

COB - BOSAIR FORM

06/18/2026 11:31 AM (MST)

Submitted by James.Johnson@pima.gov



BOARD OF SUPERVISORS AGENDA ITEM REPORT (BOSAIR)

All fields are required. Enter N/A if not applicable. For number fields, enter 0 if not applicable.

Record Number: SC WW SC2600000376

Award Type:	Contract
BOSAIR Activity:	Board Meeting Request
Requested Board Meeting Date:	07/14/2026
Supplier / Customer / Grantor / Subrecipient:	B & F Contracting, Inc. Borderland Construction Company, Inc. Ellison-Mills Contracting, LLC Hunter Contracting Co.
Project Title / Description:	Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services
Purpose:	Award: Supplier Contract No. SC2600000376. This award of supplier contract is recommended to the 4 highest-ranking contractors in an annual shared award amount not to exceed \$25,000,000.00 for an initial 1-year contract term from 07/14/26 to 07/13/27, which may be extended for up to 4 additional one-year terms. Administering Department: Regional Wastewater Reclamation. This is an indefinite delivery/indefinite quantity job order supplier contract. Funding sources will be determined at time of project job order. For projects estimated less than \$250,000.00, and during emergency situations, the department will utilize Exhibit E - Contractor Unit Price Books for pricing, and the department may select a contractor based on availability, specialty or other such basis as the department may determine in its sole discretion. For projects estimated at \$250,000.00 or more, all contractors will be given the opportunity to compete on the basis of cost or cost and schedule through a request for quotation. No individual job order may exceed \$3,000,000.00, including any change orders.
Procurement Method:	Other

Insert additional Procurement Method info, if applicable:

Request for Qualifications No. RFQu-2600000677 was conducted in accordance with A.R.S. § 34-604 and Pima County Board of Supervisors Policy D29.1 as a two-step competitive solicitation. For Step 1, 6 responsive Statements of Qualifications were received and evaluated by a 7-member committee using qualifications and experience-based selection criteria. Based on the scoring of the SOQs, a short-list of 5 respondents were invited to interviews. After the interview stage, 5 respondents were invited to participate in Step 2. RFP-2600000677 was issued to the 5 invited respondents, which consisted of a technical proposal and a price proposal. Based on the final scores of Step 2, the final list of the 4 highest-qualified contractors are recommended for award.

Attachments: Notice of Recommendation for Award and Supplier Contract.

Program Goals/Predicted Outcomes:

This job order supplier contract provides the Regional Wastewater Reclamation Department (RWRD) resources for construction-related repair, rehabilitation, re-construction and emergency responses to critical components within the public sewer conveyance system.

Public Benefit and Impact:

The resources provided address critical issues derived from the Conveyance System Assessment Program per requirements from the Arizona Department of Environmental Quality (ADEQ) through compliance with the Capacity, Management, Operation & Maintenance (CMOM) plan. The Arizona Aquifer Protection Permit (APP) established the CMOM requirements for Arizona. Through CMOM, RWRD is required to provide a system condition assessment of the entire conveyance system every ten (10) years. This assessment identifies structural and operational issues within the conveyance system. As structural deficiencies are discovered they are to be repaired or, at a minimum, identified and monitored until further degradation escalates to a point requiring repair. RWRD operates the assessment program based on National Association of Sewer Service Companies (NASSCO) standards for condition ratings.

Strategic Plan Pillar

- Infrastructure & Growth

Support of Prosperity Initiative:

- N/A

Provide information that explains how this activity supports the selected Prosperity Initiatives

N/A

Metrics Available to Measure Performance:

Performance will be measured using the contractor evaluation process as outlined in BOS Policy D29.1(E).

Retroactive:

NO

Contract / Award Information

Record Number: SC WW SC2600000376

Document Type:

SC

Department Code:

WW

Contract Number:

SC2600000376

Commencement Date: 07/14/2026

Termination Date: 07/13/2027

Supplier / Subrecipient
Headquarters Location
B & F Contracting, Inc. (Tucson, AZ)
Borderland Construction Company, Inc. (Tucson, AZ)
Ellison-Mills Contracting, LLC (Casa Grande, AZ)
Hunter Contracting Co. (Gilbert, AZ)

* Headquarters information is not a consideration for awards

Total Expense Amount:

\$25,000,000.00

Total Revenue Amount:

\$0.00

Funding Source Name(s)
Required: Regional Wastewater Reclamation Department Obligations

Funding from General Fund?	NO
Contract is fully or partially funded with Federal Funds?	NO
Contract is fully or partially funded with Non-Federal Grant Funds?	NO
Were insurance or indemnity clauses modified?	NO
Vendor is using a Social Security Number?	NO

Department: Procurement

Name: James Johnson

Telephone: 520.724.7465

Add Procurement Department Signatures	Yes
Add GMI Department Signatures	No

Division Manager/Procurement Officer Signature:  SL Date: 6/24/2026 | 4:51 PM MST

Procurement Director Signature: Bruce Collins Date: 6/24/2026 | 4:53 PM MST

Department Director Signature:  Date: 6/24/2026 | 5:14 PM MST

Deputy County Administrator Signature:  Date: 6/25/2026 | 12:17 PM MST

County Administrator Signature:  Date: 6/25/2026 | 3:29 PM MST



NOTICE OF RECOMMENDATION FOR AWARD

Date of Issue: June 4, 2026

The Procurement Department hereby issues formal notice to respondents to **Solicitation No. RFQu-2600000677, Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services** that the following listed respondents will be recommended for award of a shared Supplier Contract in the annual award amount of \$25,000,000.00. The award action is scheduled to be performed by the Board of Supervisors on or after July 14, 2026.

Award is recommended to the most qualified Respondents (listed alphabetically).

AWARDEE NAMES

B & F Contracting, Inc.

Borderland Construction Company, Inc.

Ellison-Mills Contracting, LLC

Hunter Contracting Co.

OTHER RESPONDENTS

Achen-Gardner Construction, LLC

NOTE: Pursuant to A.R.S. §34-604(H), only the names of the firms on the final list may be disclosed.

Issued by: James Johnson, CPPB, Procurement Officer
Telephone Number: (520) 724-7465

This notice is in compliance with Pima County Procurement Code §11.12.010(C) and §11.20.010(C).

Copy to: Pima County SBE via e-mail at SBE@pima.gov.

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

PROJECT: Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services

CONTRACTORS: B & F Contracting, Inc.
1904 W. Prince Rd.
Tucson, AZ 85705

Borderland Construction Company, Inc.
400 E. 38th St.
Tucson, AZ 85713

Ellison-Mills Contracting, LLC
3152 N. Lear Ave, Ste 2
Casa Grande, AZ 85122

Hunter Contracting Co.
701 N. Cooper Road
Gilbert, AZ 85233

CONTRACT NO.: SC2600000376

AMOUNT: \$25,000,000.00

FUNDING: Regional Wastewater Reclamation Department Obligations

JOB ORDER CONTRACT

1. Parties, Background and Purpose.

- 1.1. Parties. This Agreement is entered into between Pima County, a body politic and corporate of the State of Arizona, hereinafter called County, and B & F Contracting, Inc.; Borderland Construction Company, Inc.; Ellison-Mills Contracting, LLC; and Hunter Contracting Co., hereinafter called Contractor in the singular, Contractors in the plural, and collectively referred to as the Parties.
- 1.2. Authority. County has a need to establish an Agreement with up to 4 Job Order Contractors for Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services.
- 1.3. Qualifications Based Solicitation. County conducted a competitive qualifications-based procurement pursuant to A.R.S. §34-604, for Job Order Contractors under RFQu-260000677. Based on an evaluation of the respondents' representations of their qualifications and necessary due diligence, County selected the 4 highest ranking Contractors as Job Order Contractors. The Job Order Contractors have agreed to be bound by and adhere to the requirements of this Agreement.

2. Basic Terms, Renewals, Extensions and Revisions.

- 2.1. Initial Term. This Contract (Agreement), as approved by the Board of Supervisors, commences on July 14, 2026, and terminates on July 13, 2027, unless sooner terminated or further extended pursuant to the provisions of this Agreement. This Agreement establishes the terms under which the Job Order Contractors will be assigned and perform tasks and projects under this Agreement.

2.2. Extension Options. County, at its sole discretion, may extend up to 4 additional 1-year terms or add funding to this Agreement at any time with the acknowledgment of the Contractors and the Board of Supervisors' or the Procurement Director's approval pursuant to Board of Supervisor Policy D29.4. Contract extensions, renewals, or revisions will occur through the issuance by County to Contractor of a revised Agreement document setting forth the requested changes. Failure by Contractor to object in writing to the proposed revisions, terms, conditions, scope modifications and/or specifications within 10 calendar days of issuance by County will signify acceptance of all such changes by Contractor and the revision will be binding upon the Parties.

2.3. Individual Job Orders. Individual job orders will be implemented by issuing a Purchase Order (PO) to the selected Job Order Contractor to perform the work. Each PO will be an independent contract that will incorporate and be subject to the terms of this Agreement. The terms "PO", "Delivery Order (DO)", "Job Order", and "Contract" are used interchangeably in this Agreement.

2.3.1. Competition Thresholds.

2.3.1.1. For projects less than \$250,000.00, and during emergency situations, County will utilize Exhibit E – Contractor Unit Price Books for pricing. County may select a Contractor based on availability, specialty, or such other basis as County may determine in its sole discretion. During emergency situations requiring immediate attention by County (i.e. Flooding or other disaster prevention), County reserves the right to select a Job Order Contractor on a non-competitive basis for the work. In addition, the requirement that a Job Order Contract be in place prior to the initiation of work is waived during such an event. During such an emergency, a Contractor may be contacted and given instructions by a County Project Manager to perform the work immediately without an approved Job Order. It is understood that County will prepare a Job Order as soon as practicable following said instructions.

2.3.1.2. For projects of \$250,000.00 or more, all Contractors will compete on the basis of cost or cost and schedule through a request for quotation. Price may be either a fixed cost or a guaranteed maximum price.

2.3.1.3. All federally funded Job Orders will be competitively bid among all Contractors.

2.3.1.4. No individual Job Order may exceed \$3,000,000.00, including change orders.

2.3.2. Small Business Enterprise. These services are subject to the Pima County Code, Title 20, and Chapter 20.04, pertaining to participation of subcontractors. The Pima County SBE Program is a race and gender-neutral program established to encourage contracting with all small businesses. A minimum goal of 3% for participation by Small Business Enterprises (SBEs) of the total amount of the annual Agreement applies to each Job Order Contractor individually. Only firms listed on the City of Tucson Small Business Enterprise Certified Business Directory are eligible to meet the SBE goal. The current list of certified SBE firms can be located on the City of Tucson's Procurement Website, [City of Tucson Business Enterprise Program Certification & Compliance System](#).

2.3.2.1. Contractor shall supply a year-to-date subcontractor and SBE utilization report covering the entire Supplier Contract to date to the Pima County Procurement Department, Business Enterprise Program Coordinator on a quarterly basis. If the Contractor has experienced difficulties in achieving the SBE goal, they may present Certificate of Good Faith Effort/Request for Waiver at that time.

2.3.2.2. For projects that are federally-funded, the individual job order does not apply toward the 3% SBE goal. Additional DBE requirements may be set for the individual job order.

- 2.3.3. Construction Completion Time: Work performed under this Agreement will be as stated in Individual Job Orders issued under this Agreement. County will assess Liquidated damages against Contractor based upon the construction completion time, if so specified in a Job Order.
 - 2.3.4. Subcontractors: Subcontractors will be selected in accordance with Contractor's Subcontractor Selection Plan, incorporated herein by reference.
 3. **Scope of Services**. Contractor will provide County all labor, materials and equipment necessary to complete the project as described in Exhibit A – Scope of Services (84 Pages), incorporated into this Agreement. All work will be done per specifications called for in the bid documents as contained in Pima County Solicitation Number RFQu-2600000667, Exhibit B - General Conditions (14 Pages), Exhibit C - Special Conditions – Multiple Award Job Order Contract (12 Pages), Exhibit D – Supplemental Provisions For Federal-Aid Contracts (3 Pages), Exhibit E – Contractor Unit Price Books (46 Pages) and other documents incorporated into this Agreement.
 4. **Compensation and Payment**.
 - 4.1. Compensation. County will pay Contractor as specified.
 - 4.1.1. Invoices. Contractor will provide detailed documentation in support of requested payment. The Contractor must cite the Purchase Order number on all invoices. Payments will be made in accordance with ARS § 34-609.
 - 4.1.1.1. For the period of record retention required under Section 25, County reserves the right to question any payment made under this Section and to require reimbursement by setoff or otherwise for payments determined to be improper or contrary to the Agreement or law.
 5. **Federal Funding**. County and Contractor understand the Job Orders under this Agreement may be funded partially or entirely through a federal grant or other source of federal funding.
 - 5.1. Federal Labor Standards. Federal Labor Standards are applicable for Job Orders identified as being federally funded.
 - 5.2. Additional Requirements. Federal forms will be attached to the Job Order, and Contractor agrees to be bound by all requirements.
 - 5.2.1. Exhibit D – Supplemental Provisions for Federal-Aid Construction Contracts.
 - 5.2.2. Davis Bacon (AZ. Wage Decision). Minimum wage rate, withholding, payroll, apprentice, subcontracting, and termination provisions, and the Work Hour and Safety Standards Act related to overtime pay and safety.
 - 5.3. Subcontracting. Contractor will not subcontract on any federally funded Job Order with any firm or person listed in the Federal Government's System for Award Management (SAM) system with an active exclusion.
 6. **Insurance**. The Insurance Requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract.
 - 6.1. Ratings. Contractor's insurance shall be placed with companies licensed in the State of Arizona and the insureds shall have an "A.M. Best" rating of not less than A- VII. County in no way warrants that the minimum insurer rating is sufficient to protect the Contractor from potential insurer insolvency.

6.2. Insurance Coverages and Limits.

6.2.1. Minimum Scope and Limits of Insurance: Contractor will procure and maintain at its own expense insurance policies (the "Required Insurance") satisfying the below requirements (the "Insurance Requirements") until all of its obligations under this Agreement have been met. The below Insurance Requirements are minimum requirements for this Agreement and in no way limit Contractor's indemnity obligations under this Agreement. County in no way warrants that the required insurance is sufficient to protect the Contractor for liabilities that may arise from or relate to this Agreement. If necessary, Contractor may obtain commercial umbrella or excess insurance to satisfy the Insurance Requirements.

6.2.1.1. Commercial General Liability (CGL) – Occurrence Form with limits of \$2,000,000 Each Occurrence and \$2,000,000 General Aggregate. Policy will include bodily injury, property damage, and broad form contractual liability coverage, personal and advertising injury and products – completed operations.

6.2.1.2. Business Automobile Liability – Bodily Injury and Property Damage for any owned, hired, and/or non-owned automobiles used in the performance of this Agreement with a Combined Single Limit (CSL) of \$1,000,000 each accident.

6.2.1.3. Workers' Compensation and Employers' Liability - Statutory requirements and benefits for Workers' Compensation. In Arizona, WC coverage is compulsory for employers of 1 or more employees. Employer's Liability coverage- \$1,000,000 each accident and each person - disease.

6.2.1.4. Builder's Risk Insurance – Insurance applies to this Agreement, but need not be provided unless required for a particular job order. If Builders Risk Insurance applies to a particular job order, then Contractor is required to maintain throughout the course of construction Builder's Risk Insurance in a dollar amount equal to the full insurable value under the job order, which shall include "All Risk" coverage. Pima County shall be named as a "Loss Payee". Contractor is responsible for equipment, materials, and supplies until completion of the project and acceptance by County.

6.2.1.5. Claims-Made Coverage. Claim-Made Insurance Coverage - If any part of the Required Insurance is written on a claims-made basis, any policy retroactive date must precede the effective date of this Agreement, and Contractor must maintain such coverage for a period of not less than 3 years following Agreement expiration, termination or cancellation.

6.3. Additional Insurance Requirements:

The policies will include, or be endorsed to include, as required by this written agreement, the following provisions:

6.3.1. Additional Insured: The General Liability and Business Automobile Liability Policies shall each be endorsed to include Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees as additional insureds with respect to liability arising out of the activities performed by or on behalf of Contractor.

6.3.2. Subrogation: The General Liability, Business Automobile Liability and Workers' Compensation Policies shall each contain a waiver of subrogation endorsement in favor of County, its departments, districts, boards, commissions, officers, officials, agents, and employees for losses arising from work performed by or on behalf of Contractor.

6.3.3. Primary Insurance: The Contractor's policies shall stipulate that the insurance afforded the Contractor shall be primary and that any insurance carried by County, its agents, officials, or employees shall be excess and not contributory insurance.

6.3.4. Insurance provided by Contractor shall not limit Contractor's liability assumed under the indemnification provisions of this Contract.

6.4. Notice of Cancellation:

Each Required Insurance policy must provide, and certificates specify, County will receive not less than 30 days advance written notice of any policy cancellation, except 10-days prior notice is sufficient when the cancellation is for non-payment of a premium. Notice shall include the County project or Agreement number and project description.

6.5. Verification of Coverage:

Contractor will furnish County with certificates of insurance as required by this Contract. An authorized representative of the insurer will sign the certificates.

6.5.1. All certificates and endorsements, as required by this Agreement, are to be received and approved by County before work commences. Each insurance policy required by this Agreement must be in effect at, or prior to, commencement of work under this Agreement. Failure to maintain the insurance coverages or policies as required by this Agreement, or to provide evidence of renewal, is a material breach of Agreement.

6.5.2. All certificates required by this Agreement shall be sent directly to the appropriate County Department. The Certificate of Insurance shall include County project or contract number and project description on the certificate. County reserves the right to require complete copies of all insurance policies required by this Contract at any time.

6.6. Approval and Modifications:

The Pima County Risk Manager may modify the Insurance Requirements at any point during the Term of this Contract. This can be done administratively, with written notice from the Risk Manager and does not require a formal Contract amendment. Neither the County's failure to obtain a required insurance certificate or endorsement, the County's failure to object to a non-complying insurance certificate or endorsement, nor the County's receipt of any other information from the Contractor, its insurance broker(s) and/or insurer(s), constitutes a waiver of any of the Insurance Requirements.

7. Indemnification.

7.1. To the fullest extent permitted by law, Contractor will defend, indemnify, and hold harmless Pima County and any related taxing district, and the officials and employees of each of them (collectively, "Indemnatee") from and against any and all claims, actions, liabilities, losses, and expenses (including reasonable attorney fees) (collectively, "Claims") arising out of actual or alleged injury of any person (including death) or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by any act or omission of Contractor or any of Contractor's directors, officers, agents, employees, volunteers, or subcontractor. This indemnity includes any claim or amount arising or recovered under the Workers' Compensation Law or arising out of the failure of Contractor to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. The Indemnatee will, in all instances, except for Claims arising solely from the acts or omissions of the Indemnatee, be indemnified by Contractor from and against any and all Claims. Contractor is responsible for primary loss investigation, defense and judgment costs for any Claim to which this indemnity applies. This indemnity will survive the expiration or termination of this Contract.

- 7.2. All warranty and indemnification obligations under this Agreement shall survive expiration or termination of the Contract, unless expressly provided otherwise. The Parties agree that any indemnification provision inconsistent with A.R.S. § 34-226 is, in all cases, not void, but will be interpreted and applied as if it were consistent with A.R.S. § 34-226.
- 7.3. Upon request, Contractor may fully indemnify and hold harmless any private property owner granting a right of entry to Contractor for the purpose of completing the project.
8. **Bonding Requirements.** Contractor will file payment and performance bonds with County, as required by A.R.S. §§ 34-610 and 34-611, no later than the time of agreement on the price (or Guaranteed Maximum Price) for any construction under this Agreement.
 - 8.1. Bonds will be submitted on an annual basis for the full value of all construction reasonably anticipated during the Agreement year or may be provided on a Job-Order by Job-Order basis; in the latter case, Contractor will anticipate additional Job Orders and provide bonds in reasonable increments.
 - 8.1.1. If bonds are secured on a Job-Order by Job-Order basis, the Contracting Department will obtain the appropriate bonds from Contractor upon issuance of a Job Order and prior to release of the Purchase Order.
 - 8.2. At no time will the cumulative value of the bonds be less than the total value of the construction performed by Contractor under this Agreement, including Job Orders awarded to Contractor but not yet completed.
9. **Laws and Regulations.**
 - 9.1. Compliance with Laws. Contractor will comply with all federal, state, and local laws, rules, regulations, standards and Executive Orders, without limitation to those designated within this Agreement.
 - 9.2. Choice of Law; Venue. The laws and regulations of the State of Arizona govern the rights and obligations of the Parties under this Contract. Any action relating to this Contract must be filed and maintained in Superior Court in Pima County.
 - 9.3. Licensing. Contractor warrants that it is appropriately licensed to provide the services under this Contract licensed.
10. **Status of Independent Contractor.** Contractor is an independent Contractor. Neither Contractor, nor any of Contractor's officers, agents or employees will be considered an employee of Pima County for any purpose or be entitled to receive any employment-related benefits, or assert any protections, under the Pima County Merit System. Contractor is responsible for paying all federal, state and local taxes on the compensation received by Contractor under this Contract and will indemnify and hold County harmless from any and all liability that County may incur because of Contractor's failure to pay such taxes.
11. **Contractor/Subcontractor Performance.**
 - 11.1. Performance. Contractor will perform the work with the degree of care and skill which a licensed contractor in Arizona would exercise under similar conditions. Contractor will employ suitably trained and skilled personnel to perform all required services under this Agreement. Prior to changing any key personnel, especially those key personnel County relied upon in making this Agreement, Contractor will obtain County's approval.
 - 11.2. Responsibility. Contractor is responsible for the professional quality, technical accuracy, timely completion, and the coordination of all its effort and other services furnished by Contractor under

this Agreement. Without additional compensation, Contractor will correct or revise any errors, omissions, or other deficiencies in all products of its efforts and other services provided. This includes resolving any deficiencies arising out of the acts or omissions of Contractor found during or after the course of the services performed by or for Contractor under this Agreement, regardless of County having knowledge of or condoning or accepting the products or the services. Correction of such deficiencies will be at no cost to County.

- 11.3. **Subcontractor License.** Contractor will ensure that all Subcontractors have the appropriate and current license issued by the Arizona Registrar of Contractors for work they perform under this Agreement. Contractor will not permit any Subcontractor to perform work that does not fall within the scope of the Subcontractor's license, except as may be permitted under the rules of the Registrar of Contractors.
- 11.4. **Subcontractor Acts and Omissions.** Contractor will be fully responsible for all acts and omissions of its Subcontractor(s) and of persons directly or indirectly employed by Subcontractor and of persons for whose acts any of them may be liable to the same extent that Contractor is responsible for the acts and omissions of persons directly employed by it. Nothing in this Agreement creates any obligation on the part of County to pay any Subcontractor, except as may be required by law.
- 11.5. **Subcontractor List.** Contractor must use the Subcontractor's named on Contractor's Subcontractor List submitted with the bid. No Subcontractor may be added or changed without the prior written approval of County subsequent to review and approval by the Administering Department Director and Procurement Director. Substitution of non-SBE Subcontractors may be approved at the discretion of County for reasons including but not limited to, availability, insolvency or any other reason deemed to be in the best interest of County. Approval for substitution of SBE Subcontractors that are listed on the Bidders Statement of Proposed SBE Utilization submitted with the bid will only be granted if the provisions of Section 20.28.050 of the Pima County Code have been met.
12. **Assignment.** Contractor will not assign its rights or obligations under this Agreement in whole or in part, without County's prior written approval. County may withhold approval at its sole discretion.
13. **Non-Discrimination.** Contractor will comply with all provisions and requirements of Arizona Executive Order 2009-09, which is hereby incorporated into this contract, including flow-down of all provisions and requirements to any Subcontractors. During the performance of this Agreement, Contractor will not discriminate against any employee, client or any other individual in any way because of that person's age, race, creed, color, religion, sex, disability or national origin.
14. **Americans with Disabilities Act.** Contractor will comply with Title II of the Americans with Disabilities Act (Public Law 110-325, 42 U.S.C. §§ 12101-12213) and the federal regulations for Title II (28 CFR Part 35).
15. **Authority to Contract.** Contractor warrants its right and power to enter into this Agreement. If any court or administrative agency determines that County does not have authority to enter into this Agreement, County will not be liable to Contractor or any third Party by reason of such determination or by reason of this Agreement.
16. **Non-Waiver.** The failure of County to insist in any 1 or more instances upon full and complete compliance with any of the terms and provisions of this Agreement or to take any action permitted as a result thereof is not a waiver or relinquishment of the right to insist upon full and complete performance of the same or any other covenant or condition either in the past or in the future. The acceptance by either Party of sums less than may be due and owing it at any time is not an accord and satisfaction.

17. **Cancellation for Conflict of Interest.** This Agreement is subject to cancellation for conflict of interest pursuant to A.R.S. § 38-511, the pertinent provisions of which are incorporated into this Contract by reference.

18. **Termination of Contract for Default.**

18.1. Upon a failure by Contractor to cure a default under this Agreement within 10 days of receipt of notice from County of the default, County may, in its sole discretion, terminate this Agreement for default by written notice to Contractor. In this event, County may take over the work and complete it by Contract or otherwise. Contractor and its sureties, if any, will be liable for any damage to County resulting from Contractor's default, including any increased costs incurred by County in completing the work.

18.2. Default Events. The following constitutes an event of default:

18.2.1. Abandonment of or refusal or failure to prosecute the work or any separable part thereof with the diligence that will insure completion within the time specified in this Agreement, including any extension, or a failure to complete the work (or the separable part of the work) within the specified time;

18.2.2. Persistent or repeated refusal or failure to supply enough properly skilled workers or materials to perform the work on schedule;

18.2.3. Failure to provide competent supervision at the site;

18.2.4. Failure to take down, rebuild, repair, alter or amend any defective or deficient work, or to remove any defective or deficient material;

18.2.5. Failure to make prompt payment to Subcontractors or suppliers for material or labor;

18.2.6. Loss of Contractor's business or other required license or authority, or any curtailment or cessation for any reason of business or business operations that would substantially impair or preclude Contractor's performance of this Agreement;

18.2.7. Disregard of laws, ordinances, or the instructions of County or its representatives, or any otherwise substantial violation of any provision of the Agreement; or

18.2.8. If a voluntary or involuntary action for bankruptcy is commenced with respect to Contractor, or Contractor becomes insolvent, makes a general assignment for the benefit of creditors, or has a receiver or liquidator appointed in respect of its assets.

18.3. Termination. In the event of a termination for default:

18.3.1. All finished and unfinished as-builts, shop drawings, documents, data, studies, surveys, drawings, photographs, reports and other information in whatever form, including electronic, acquired or prepared by Contractor for this project become County's property and will be delivered to County not later than 5 business days after the effective date of the termination;

18.3.2. County may withhold payments to Contractor arising under this or any other Contract for the purpose of set-off until such time as the exact amount of damage due County from Contractor is determined; and

18.3.3. Subject to the immediately preceding subparagraph 18.3.2, County's liability to Contractor will not exceed the reasonable value of work satisfactorily performed prior to the date of termination for which payment has not been previously made.

18.4. Non-Termination. County will not terminate the Agreement nor any Job Order issued under this Agreement for default or charge Contractor with damages under this Section if:

18.4.1. Except for subparagraph 18.2.8 in subsection 18.2 above, the event of default or delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of Contractor. Examples of such causes include:

- 18.4.1.1. Acts of God or of the public enemy,
- 18.4.1.2. Acts of County in either its sovereign or contractual capacity,
- 18.4.1.3. Acts of another Contractor in the performance of a contract with County,
- 18.4.1.4. Fires,
- 18.4.1.5. Floods,
- 18.4.1.6. Epidemics and pandemics,
- 18.4.1.7. Quarantine restrictions,
- 18.4.1.8. Strikes,
- 18.4.1.9. Freight embargoes,
- 18.4.1.10. Unusually severe weather, or
- 18.4.1.11. Delays of Subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both Contractor and the Subcontractor(s) or suppliers; and

18.4.2. Contractor, within 3 days from the beginning of any event of default or delay (unless extended by County), notifies County in writing of the cause(s) therefor. In this circumstance, County will ascertain the facts and the extent of the resulting delay. If, in the judgment of County the findings warrant such action, the time for completing the work may be extended.

18.5. Receipt of Notice. For the purposes of subsection 18.1 above, "receipt of notice" includes receipt by hand by Contractor's onsite project manager, by facsimile transmission, or under the Notices clause of this Agreement.

18.6. Excusable. If, after termination of the Agreement for default, County determines that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the Parties will be the same as if County had terminated the Contract for convenience as set forth in Section 19.

18.7. Rights and Remedies. The rights and remedies of County in this Section are cumulative and in addition to any other rights and remedies provided by law or under this Agreement.

19. **Termination for Convenience of County**. County may terminate this Agreement at any time by giving written notice to Contractor of such termination and specifying the effective date thereof, at least 15 days before the effective date of such termination. In that event, all finished or unfinished documents and other materials will, at the option of County, become its property. If County terminates the Agreement as provided herein, County will pay Contractor an amount based on the time and expenses incurred by Contractor prior to the termination date. However, County will make no payment for anticipated profit on unperformed services.

20. **Non-Appropriation of Funds.** Notwithstanding any other provision in this Agreement, County may terminate this Agreement if for any reason the Pima County Board of Supervisors does not appropriate sufficient monies for the purpose of maintaining this Agreement. In the event of such termination, County has no further obligation to Contractor, other than payment for services rendered prior to termination.

21. **Notices.** Any notice required or permitted to be given under this Agreement must be in writing and be served by delivery or by certified mail upon the other Party as follows:

County:

Jackson Jenkins, Director
Regional Wastewater Reclamation Department
201 N. Stone Ave., 8th Floor
Tucson, AZ 85701
Tel: (520) 724-6500

Any Notice required or permitted to be given by County may be served by personal delivery or certified mail to Contractor's contact name in Contractor's electronic vendor record.

22. **Non-Exclusive Agreement.** Contractor understands that this Contract is Non-Exclusive and is for the sole convenience of County. County reserves the right to obtain like services from other sources for any reason.

23. **Agreement Documents.**

23.1. Incorporation of Documents: Contractor and County in entering into this Agreement have relied upon information provided in Solicitation Nos. RFQu-2600000677 and RFP-2600000677 –Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services, Exhibit A – Scope of Services, Bonds (Bid, Payment, and Performance Bonds), Exhibit B – General Conditions, Exhibit C - Special Conditions – Multiple Award Job Order Contract, Exhibit D - Supplemental Provisions for Federal-Aid Construction Contracts, Exhibit E – Contractor Unit Price Books Technical Specifications and Plans, Construction Documents, Drawings and Specifications, Amendments, and on information provided in Contractor's response to this Solicitation. These documents are hereby incorporated into and made a part of this Agreement by reference as if set forth in full herein.

23.2. Order of Precedence: In the event of a conflict or inconsistency between or among the Agreement documents, the documents shall take precedence in the following order:

23.2.1. This Agreement

23.2.2. Exhibit B – General Conditions

23.2.3. Special Provisions, Technical Specifications, and Plans

23.2.4. Contractor Response to the Solicitation

23.2.5. Instructions to Bidders

23.2.6. Invitation to Bid

23.3. Deviation: The Parties may, by written mutual agreement, deviate from this order of precedence in resolving inconsistencies between or among contract documents. Any such agreement interpreting the documents shall be incorporated into the Agreement by amendment.

23.4. Conflict: In the event of any conflict between any provision in the Special Conditions, and any provision of the General Conditions, or any other incorporated document, the provision in the Special Conditions shall take precedence.

24. **Ownership of Documents.** Ownership of all original drawings, boring logs, field data, estimates, field notes, plans, specifications, documents, reports, calculations, maps and models, and other information developed by Contractor under this Agreement vests in and become the property of the County and will be delivered to County upon completion or termination of the services, but Contractor may retain record copies thereof.

25. **Books and Records.**

25.1. Maintenance. Contractor will keep and maintain proper and complete books, records and accounts, which will be open at all reasonable times for inspection and audit by duly authorized representatives of County.

25.2. Retention. Contractor will retain all records relating to this Agreement at least 5 years after its termination or cancellation or until any related pending proceeding or litigation has been closed, if later. Alternatively, Contractor may, at its option, deliver such records to County for retention.

26. **Remedies.** Either Party may pursue any remedies provided by law for the breach of this Agreement, provided, however, that the procedures in Section 29 are first exhausted. No right or remedy is intended to be exclusive of any other right or remedy and each is cumulative and in addition to any other right or remedy existing at law or at equity or by virtue of this Agreement.

27. **Severability.** Each provision of this Agreement stands alone, and any provision of this Agreement found to be prohibited by law is ineffective to the extent of such prohibition without invalidating the remainder of this Agreement.

28. **Delays.** Neither Party will be considered in default in the performance of its obligations to the extent that the performance of any such obligation is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such Party.

29. **Disputes.**

29.1. Resolving Dispute. In the event of a dispute between County and Contractor regarding any part of this Agreement or the Parties' obligations or performance hereunder, either Party may request a special meeting between their respective representatives to resolve the dispute. If the dispute remains unresolved, then either Party may request escalation of the issue to a meeting between the Director of the Pima County Department administering this Agreement and Contractor's counterpart official, such meeting to be held within 1 week of the request, unless otherwise agreed. If the dispute is still not resolved after that meeting, then either Party may pursue such remedy or remedies as may be available to them under the laws of the State of Arizona.

29.2. Performance. The Parties will continue performance of their respective obligations under this Agreement notwithstanding the existence of any dispute.

30. **Public Records.**

30.1. Disclosure. Pursuant to A.R.S. § 39-121 et seq., and A.R.S. §§ 34-603(H), 604(H), in the case of Construction or Architectural and Engineering services procured under A.R.S. Title 34, Chapter 6, all information submitted by Contractor in any way related to this Agreement, including, but not limited to, pricing, product specifications, work plans, and any supporting data becomes public information and upon request, is subject to release and/or review by the general public including competitors.

30.2. Records Marked Confidential.

30.2.1. Any information submitted related to this Agreement that Contractor believes constitutes proprietary, trade secret or otherwise confidential information must be appropriately and

prominently marked as confidential prior to submittal to County and be accompanied by an index specifically identifying and describing the general contents of each page so marked. The index is a Public Record and must not include any information considered confidential.

30.2.2. Notwithstanding the above provisions, in the event records marked confidential are requested for public release pursuant to A.R.S. § 39-121 et seq., County will release records marked confidential 10 business days after the date of notice to the Contractor of the request for release, unless Contractor has, within the 10-day period, secured a protective order, injunctive relief or other appropriate order from a court of competent jurisdiction in Arizona, enjoining the release of the records. For the purposes of this paragraph, the day of the request for release is not counted in the time calculation. Contractor will be notified of any request for such release on the same day of the request for public release or as soon thereafter as practicable. County shall not, under any circumstances, be responsible for securing a protective order or other relief enjoining the release of records marked confidential, nor shall County be in any way financially responsible for any costs associated with securing such an order.

31. Legal Arizona Workers Act Compliance.

31.1. Compliance with Immigration Laws. Contractor warrants that it will at all times during the term of this Agreement comply with all federal immigration laws applicable to Contractor's employment of its employees, and with the requirements of A.R.S. § 23-214 (A) (together the "State and Federal Immigration Laws"). Contractor will further ensure that each Subcontractor who performs any work for Contractor under this Agreement likewise complies with the State and Federal Immigration Laws.

31.2. Books & Records. County has the right at any time to inspect the books and records of Contractor and any Subcontractor in order to verify such Party's compliance with the State and Federal Immigration Laws.

31.3. Remedies for Breach of Warranty. Any breach of Contractor's or any Subcontractor's warranty of compliance with the State and Federal Immigration Laws, or of any other provision of this section, is a material breach of this Agreement subjecting Contractor to penalties up to and including suspension or termination of this Agreement. If the breach is by a Subcontractor, and the subcontract is suspended or terminated as a result, Contractor will take such steps as may be necessary to either self-perform the services that would have been provided under the subcontract or to retain a replacement Subcontractor (subject to County approval if SBE or DBE preferences apply), as soon as possible so as not to delay project completion.

31.4. Subcontractors. Contractor will advise each Subcontractor of County's rights, and the Subcontractor's obligations, under this Section by including a provision in each subcontract substantially in the following form:

"Subcontractor hereby warrants that it will at all times during the term of this contract comply with all federal immigration laws applicable to Subcontractor's employees, and with the requirements of A.R.S. § 23-214 (A). Subcontractor further agrees that County may inspect the Subcontractor's books and records to ensure that Contractor is in compliance with these requirements. Any breach of this paragraph by Subcontractor is a material breach of this contract subjecting Subcontractor to penalties up to and including suspension or termination of this contract."

31.5. Costs. Any additional costs attributable directly or indirectly to remedial action under this Section are the responsibility of Contractor. In the event that remedial action under this Section results in delay to 1 or more tasks on the critical path of Contractor's approved construction or critical milestones schedule, such period of delay will be excusable delay for which Contractor is entitled to an extension of time but not costs.

32. **Israel Boycott Certification.** Pursuant to A.R.S. § 35-393.01, if Contractor engages in for-profit activity and has 10 or more employees, and if this Agreement has a value of \$100,000.00 or more, Contractor certifies it is not currently engaged in and agrees for the duration of this Contract to not engage in, a boycott of goods or services from Israel. This certification does not apply to a boycott prohibited by 50 U.S.C. § 4842 or a regulation issued pursuant to 50 U.S.C. § 4842.
33. **Forced Labor of Ethnic Uyghurs.** Pursuant to A.R.S. § 35-394, if Contractor engages in for-profit activity and has 10 or more employees, Contractor certifies it is not currently using, and agrees for the duration of this Contract to not use (1) the forced labor of ethnic Uyghurs in the People's Republic of China; (2) any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; and (3) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China. If Contractor becomes aware during the term of the Contract that the Company is not in compliance with A.R.S. § 35-394, Contractor must notify the County within 5 business days and provide a written certification to County regarding compliance within one hundred eighty days.
34. **Heat Injury and Illness Prevention and Safety Plan** Pursuant to Pima County Procurement Code 11.40.030, Contractor hereby warrants that if Contractor's employees perform work in an outdoor environment under this Contract, Contractor will keep on file a written Heat Injury and Illness Prevention and Safety Plan. At County's request, Contractor will provide a copy of this plan and documentation of heat safety and mitigation efforts implemented by Contractor to prevent heat-related illnesses and injuries in the workplace. Contractor will post a copy of the Heat Injury and Illness Prevention and Safety Plan where it is accessible to employees. Contractor will further ensure that each subcontractor who performs any work for Contractor under this Contract complies with this provision.
35. **Cooperative Use of Resulting Agreement.** Reserved.
36. **Counterparts.** This Agreement may be executed in 1 or more counterparts, each of which will be deemed an original and all of which together will constitute one and the same instrument. Facsimile or other electronically delivered copies of signature pages to this Agreement shall be treated between the Parties as original signatures for all purposes.
37. **Amendment.** Except for the amendment provision above in Section 2, this Contract may be modified, amended, altered or extended only by a written amendment signed by the Parties.
38. **Entire Agreement.** This document constitutes the entire agreement between the Parties and all prior or contemporaneous agreements and understandings, oral or written, are hereby superseded and merged herein.

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39. **Effectiveness and Date.** This Agreement will become effective when all Parties have signed it. The date of this Agreement will be the date the Agreement is signed by the last Party to sign it (as indicated by the date associated with that Party's signature).

Each Party is signing this Contract on the date below that Party's signature.

PIMA COUNTY:

CONTRACTOR:

Chair, Board of Supervisors

Signature

Date

Name and Title (Please Print)

Date

ATTEST:

Clerk of the Board

Date

This contract template has been approved as to form by the Pima County Attorney's Office.

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Each Party is signing this Contract on the date below that Party's signature.

PIMA COUNTY:

Chair, Board of Supervisors

Date

CONTRACTOR: B&F Contracting, Inc.



Signature

Bruce W. Balls, CEO

Name and Title (Please Print)

6/18/2026

Date

ATTEST:

Clerk of the Board

Date

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Each Party is signing this Contract on the date below that Party's signature.

PIMA COUNTY:

Chair, Board of Supervisors

Date

CONTRACTOR:



Signature

SHANE BUSTAMANTE, VICE PRESIDENT

Name and Title (Please Print)

06-22-2026

Date

ATTEST:

Clerk of the Board

Date

This contract template has been approved as to form by the Pima County Attorney's Office.

39. **Effectiveness and Date.** This Agreement will become effective when all Parties have signed it. The date of this Agreement will be the date the Agreement is signed by the last Party to sign it (as indicated by the date associated with that Party's signature).

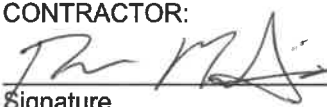
Each Party is signing this Contract on the date below that Party's signature.

PIMA COUNTY:

Chair, Board of Supervisors

Date

CONTRACTOR:



Signature

Ryan Montijo Co-Owner

Name and Title (Please Print)

6/24/2026

Date

ATTEST:

Clerk of the Board

Date

This contract template has been approved as to form by the Pima County Attorney's Office.

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Each Party is signing this Contract on the date below that Party's signature.

PIMA COUNTY:

Chair, Board of Supervisors

Date

CONTRACTOR:



Signature

Robert Carlson SR. Vice President
Name and Title (Please Print)

06/19/2024
Date

ATTEST:

Clerk of the Board

Date

This contract template has been approved as to form by the Pima County Attorney's Office.

Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

EXHIBIT A - SCOPE OF SERVICES (84 Pages)

This is an indefinite delivery/indefinite quantity, job order contract under which the Contractor will provide all labor, materials, management, supervision, services, and coordination required to provide a full range of conveyance system maintenance, repair, rehabilitation, and construction services. All such work is to be requested by the County from time to time by issuance of an individual job order for each individual project. Services are for the Pima County Regional Wastewater Reclamation Department.

General Scope: Scope of work will include repair, construction, improvement and maintenance of new and existing County owned structures, and facilities.

Exhibit A consists of the following sections:

A1 SCOPE OF WORK

A2 BACKGROUND AND INTRODUCTION

A3 EMERGENCY RESPONSE

- A3-1 Response Time
- A3-2 Emergency Job Order Liquidated Damages
- A3-3 Emergency Payment Multiplier

A4 PROJECT MANAGEMENT

- A4-1 Project Kick-Off Meeting
- A4-2 Job Order Progress Meetings and Job Order Progress Reports
- A4-3 Subcontractor, Engineer Design & Surveying Management
- A4-4 Community Relations
- A4-5 Resident Notification

A5 REFERENCES AND JOB ORDER SUBMITTALS

- A5-1 References
- A5-2 Submittals

A6 JOB ORDER EXECUTION

- A6-1 Work Within Easements and Right-Of-Way
- A6-2 Execution
- A6-3 Maintenance of Sewage Flows
- A6-4 Cleaning of Sewer
- A6-5 Television Inspection
- A6-6 Sewer Preparation Prior to Liner Installation
- A6-7 CIPP Liner installation
- A6-8 Service Connections
- A6-9 Utility Trench Pavement Patch
- A6-10 Chip Seal Coat
- A6-11 Manhole Construction
- A6-12 Manhole Rehabilitation
- A6-13 Manhole Adjustment and Reconstruction
- A6-14 Manhole and Cleanout Frame and Cover and Existing Manhole Section Replacement and Salvage/Disposal
- A6-15 Pot-Holing
- A6-16 Cleanout Reconstruction
- A6-17 Excavation and Backfill
- A6-18 Manhole Bench Rehabilitation
- A6-19 Pipe Point Repair
- A6-20 Clean-Up

Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

A6-21	Concrete Sidewalks and Curb
A6-22	Property Damage
A6-23	Punch List Items
A6-24	Traffic Control
A6-25	Section Reserved
A6-26	General Field Procedures
A6-27	Scheduling of Work
A6-28	Immediate Maintenance Requirements
A6-29	Grouting of Cavities

A7 MEASUREMENT

A7-1	RWRD Price Book Unit Measure/Payment

A8 ADMINISTRATIVE PROVISIONS

A8-1	Availability of Applicable Information
A8-2	Coordination and Approvals
A8-3	Quality Control
A8-4	Submittals
A8-5	Force Account
A8-6	Invoicing and Payment
A8-7	County Responsibilities

The following Appendices are attached:

SUB APPENDIX A	Engineering Resources
SUB APPENDIX B	Wastewater Flow Management Plan Guidelines
SUB APPENDIX C	Residential/Business Notification Guidelines
SUB APPENDIX D	Cured In Place Pipe (CIPP) Specifications
SUB APPENDIX E	Procedure for Reporting Unauthorized Discharges/Releases
SUB APPENDIX F	Manhole Rehabilitation Specifications
SUB APPENDIX G	Construction Safety Plan Outline

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Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

A1 SCOPE OF WORK:

Job Orders will be issued for the maintenance, repair, rehabilitation, adjustment or construction of Conveyance Facilities or other RWRD facilities. Job Orders scope may include irrigation systems and landscaping, site grading, pavement repair and installation, surveying, potholing for locating RWRD utilities or other utilities impacting conveyance assets, installation, maintenance and repair of odor control facilities, minor related design work and permitting, Storm Water Pollution Prevention Plan preparation and inspection and other related facilities construction tasks. The conveyance system is described below.

It is the County's intent to primarily use this contract to perform work on both large and small diameter pipes, sanitary sewer manholes and structures, lift stations, siphons, and other conveyance system appurtenances. Methods for sewer line maintenance, repair and construction may involve open cut, CIPP, concrete, including rehabilitation, coatings and other methods of repair and rehabilitation. The scope of work shall also include furnishing of materials, repairing, rehabilitating, and reconstruction of existing sewer structures & constructing new manholes over existing sewer lines.

The purpose of this contract is to specify the terms and conditions whereby the **Contractor** shall:

1. Provide effective project management of any/all Subcontractors, field procedures, and all related supporting contracts included in this project.
2. Obtain all necessary permits and coordinate with affected jurisdictions.
3. Coordinate and provide public notification prior to Job Order accomplishment.
4. Provide sewer line cleaning, closed circuit television (CCTV) inspection, without wastewater in the lines, and video recording of existing sewer and services connections prior to repair, rehabilitation or reconstruction.
5. Provide sewer line cleaning, closed circuit television (CCTV) inspection, without wastewater in the lines, and video recording of existing sewer and services connections after repair, rehabilitation or reconstruction, and provide verification of re-instatement of lateral connections.
6. Rehabilitate existing sewers by the CIPP method, or other approved method, and Reinstatement of lateral connections without excavation.
7. Performance of spot repairs, as required, by the repair method selected by County. Perform active leak sealing operations, as required.
8. Performance of sanitary sewer structure rehabilitation by coating and/or reconstruction.
9. Provide replacement, rehabilitation and/or adjustment of structures such as manholes, siphons, and pump stations.
10. Provide sewage flow management and maintenance of flow, with zero release of sewage.
11. Provide and perform all required acceptance testing.
12. Maintenance of traffic in accordance with local, state, and federal requirements.
13. Adhere to all safety requirements in accordance with local, state, and federal requirements.
14. Provide As-Builts as required.
15. Respond to emergency sanitary sewer overflow (SSO) situations as required.

Attention to detail, adherence to safety measures, and organizational skills will be a key factor to the success of this contract. All design standards, materials and workmanship for public sanitary sewers are to be in accordance with the latest edition of the Pima County Regional Wastewater Reclamation Department Manuals of Engineering Design Standards and Standard Specifications and Details for Construction, except as modified by the provisions and specifications of this contract. Copies of said Manuals are on file at Pima County Wastewater Management offices at 201 N. Stone Avenue, 5th Floor.

PROJECT PHASING

Normal Job Order Accomplishment

The following Five-Phase Approach shall be followed throughout the life of this contract for "normal" Job Order Accomplishment (Time-frame shown corresponds to a **one-reach repair** Job Order level of effort):

Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

Phase One: Day One. This phase consists of a Job Order being issued by the County Project Manager to the Contractor. The Job Order will also mark day one of the required performance period. The actual performance period will be calculated by County by issuing a total of 4 weeks for the initial reach to be rehabilitated and adding an additional week for each additional reach. For example: a one-reach Job Order will have a 4-week performance period specified as it is delivered to the Contractor in Phase I. A four-reach Job Order will have a 7-week performance period (four weeks for the initial reach and one week each for the subsequent three reaches for a total of seven weeks). The Job Order may include one sewer pipe reach or multiple reaches. In a similar manner, performance periods will be established for manhole repairs or rehabilitations.

The Job Order will include:

- ☐ a prioritized written report summarizing CCTV inspection results identifying sewer defects, or a report detailing manhole defects;
- ☐ a definition of the Job Order time period;
- ☐ a definition of the "affected neighborhood";
- ☐ a listing of the number of reaches and household connections that are necessary;
- ☐ a map of affected property owners;
- ☐ a copy of the CCTV inspection log and tape; and
- ☐ submittal checklist with the items identified which need to be addressed and returned to County.

Phase Two: Day two to Day four (three days). With the information provided by the Job Order in the Phase One, the Contractor shall turn in the required submittals for the rehabilitation/reconstruction of each specific reach included in the Job Order. The required submittals for this Phase are identified in the Submittal Section III.4.2.

Phase Three: Day five to Day six (two days). Once the submittals received in Phase Two are approved by County Field Engineering, a NTP will be issued to the Contractor by the County Project Manager.

Phase Four: Day seven through completion of Job Order performance period. The receipt of the NTP, issued in Phase Three, allows the Contractor to start mobilization and proceed with the required rehabilitation work.

Phase Five: Completion of Performance Period and Job Order invoice payment. Upon the receipt, review and approval of the Punch List Completion Report and Submittals on the Phase Four, County will proceed with payment for the Completed Job Order. Partial payments will be processed on Job Orders that extend longer than 30 days, once the submittals for the installed reaches for the requested partial payment are received. The required submittals for this Phase are identified in the Submittal Section III.4.2.

Manhole/Cleanout Phasing

The following Five-Phase Approach shall be followed throughout the life of this contract for "Normal" Job Order Accomplishment (Time-frame shown correspond to a Job Order for set of **manholes and/or cleanouts repair or rehabilitation** Job Order level of effort):

Phase One: Day One. This phase consists of a Job Order being issued by the Pima County Project Manager to the Contractor. The County Job Order will include written report summarizing and identifying all manholes/cleanouts needing repair; the Job Order will also mark day one of the required performance period. The actual performance period will be calculated by County and shall not exceed a total of twenty-one (21) working days for the Job Order to be completed from the NTP issue date.

The following information will be included in each work order:

- ☐ Indication of "NORMAL or EMERGENCY" response time.
- ☐ "Scope of Services" outlining the required work to be performed.
- ☐ A map indicating the location of the project.
- ☐ A sample job order is included in the Solicitation for Qualifications.

Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

Phase Two: Day two to Day four (three working days). With the information provided by the Job Order in the Phase One, the Contractor shall turn in the required submittals for the reconstruction/adjustment of each Job Order.

Phase Three: Day five to Day seven (three working days). Once County Field Engineering approves the submittals received in Phase Two, a NTP will be issued to the Contractor by the County Project Manager.

Phase Four: Day eight to Completion of Performance Period. The receipt of the Notice to Proceed issued in Phase Three allows the Contractor to start mobilization and proceed with the required rehabilitation work.

Phase Five: Completion of Performance Period and Job Order invoice payment. Upon the receipt, review and approval of the Completed Job Order(s), payments will be processed on Job Orders (s) on a monthly basis.

In order to achieve a good interface between the Contractor and County, a sample Job Order dry-run will be developed for this project. This dry-run will go through the five phases of Job Order Accomplishment.

After successfully completing the initial Job Order dry-run, a contract Notice to Proceed will be issued. The Contractor thereafter, shall schedule all new personnel for training in all aspects of the work as provided in the initial Job Order Dry-run. The training of new personnel will be performed at County's earliest convenience.

The Contractor shall perform these tasks on a Job Order-by-Job Order basis not to exceed the performance period for each Job Order, and each Job Order's tasks shall be complete and accepted by County before the County issues the next Job Order Notice To Proceed. The County reserves the right to issue multiple Job Orders in case of an emergency situation or as the Contractor demonstrate its capability to handle multiple Job Orders simultaneously. When multiple Job Orders are issued, County will prioritize and provide the order of execution for each of the Job Orders.

In case of an emergency situation, the County and the Contractor will work together to minimize the amount of time for the accomplishment of each phase.

In the event of any conflict, seeming or real, between the Special Provisions and the RWRD Standard Details and Specifications for Public Improvements, the Special Provisions shall prevail.

Job Orders that are not completed within the calculated performance period will trigger the deduction of Liquidated Damages in the amount as provided for in Section 108 of PAG Standard Specifications from the amount owed to the Contractor to cover County management and inspection expenses.

County guarantees no minimum or maximum to the size or amount of any Job Order or to the TOTAL contract amount over the life-time of the contract.

The Contractor shall be expected to accomplish each Job Order in the most efficient and expeditious manner possible. The Contractor, when requested by County, shall submit the list of equipment proposed to be used on specific Job Order for review and approval prior to commencement of the Job Order.

A2 BACKGROUND AND INTRODUCTION

It is the intent of these specifications to provide a means for rehabilitating sanitary sewer lines using mainly the Cured-In-Place-Pipe (CIPP) reconstruction process. Other trenchless technologies will be considered, on a case- by-case basis, as approved by County. The awarded Contractor shall be responsible for providing all labor, materials, equipment, flow control/management, tools, transportation, and supplies required to complete the work in accordance with the terms of the Contract and the repair method selected by County. The involved rehabilitation and/or point repair work is to be achieved with zero release of sanitary sewage. When complete, the liner pipe will extend from one manhole to the next manhole in a continuous watertight length, and all active lateral connections (if applicable) in this length will be reinstalled without exception and be free of all forms of restrictions.

Where rehabilitation is not feasible due to the extent of the deterioration, these Specifications provide for the Point Repair by replacement of the involved deteriorated sections. These Specifications also provide for the rehabilitation

Pima County Procurement Department

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

of sewer structures (manholes, diversion structures, siphon inlets and outlets, etc.) suffering from deterioration and/or offset in the frame and cover and riser area resulting in infiltration by the application of an internal, approved, coating system. These Specifications also provide for the reconstruction of the sanitary sewer structure from significant deterioration of or offset (greater than 6 inches) in the frame/riser such that internal rehabilitation methods are insufficient to acceptably restore the integrity of the structure. This specification also applies to the vertical adjustment of sewer structures to the extent that the adjustment is being made as part of a rehabilitation project for sewer structures as determined by County.

A3 EMERGENCY RESPONSE:

A3-1 *Response Time:*

An emergency response is required when there is an actual or imminent danger to the public health and/or property. When responding to an emergency job order, the Contractor must be able to complete site assessment and mobilize (to the site) with the necessary equipment within 120 minutes of being notified by County personnel. For emergency situations in the Mt. Lemmon, Green Valley, and Arivaca Junction areas, the response time for Emergency work orders shall be 180 minutes.

The Contractor must provide and constantly update a list of its personnel (including telephone numbers) that are assigned to respond to Emergency job orders, on a monthly basis.

A3-2 *EMERGENCY Job Order Liquidated Damages:*

Failure to respond to the work site within the required response time and with the required equipment will result in an initial Liquidated Damages Penalty of \$500.00 Dollars. An additional \$100.00 Dollars per hour will be assessed for each successive hour thereafter, until the Contractor's personnel start repair work on site, with the required equipment, to bring the EMERGENCY situation under control.

A3-3 *EMERGENCY Payment Multiplier:*

EMERGENCY Job Order payment shall be calculated with a 1.15 multiplier for work performed under Emergency status (price book work), as required by the County. Once the EMERGENCY has been determined to be stabilized (no longer a threat to life, health, or property) by County personnel on site, the EMERGENCY will Job Order will be closed and a standard Job Order for the remaining scope or repair will be issued.

A4 PROJECT MANAGEMENT:

The services provided under this task relate to monitoring the progress and performance of the Contractor and its Subcontractors. The Contractor selected for this project shall be responsible for the effective, timely, efficient, and environmentally sound completion of the required work and shall also be held fully accountable for the conduct and actions of its staff, and staff of the Subcontractors.

A4-1 *Project Kick-Off Meeting*

A4-1a The Contractor shall conduct a Kick-Off meeting for the project. At the Kick-Off meeting the Contractor shall:

- ☐ Introduce the project team.
- ☐ Establish project task goals.
- ☐ Review the project Job Order Accomplishment Phases.
- ☐ As directed and agreed upon with County:
 - o Establish lines of communication between the Contractor, its Subcontractors, and County.
 - o Establish formats for project deliverables following County approved standards.
 - o Establish public notification procedures following County approved standards.

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- ☐ Present the mobilization schedule.
- ☐ Present the required submittals.

A4-1b The Contractor shall prepare the agenda in consultation with the County Project Manager and record and prepare minutes of the meeting.

A4-2 Job Order Progress Meetings and Job Order Progress Reports

Note that each Job Order Accomplishment Phase has to be completed before proceeding with the next phase. The approval to begin the next phase **will** not be issued until all deliverables listed on each phase have been received and approved by County Project Manager on a Job Order-by-Job Order basis.

A4-2a Throughout the Contractor's performance of this contract, the Contractor shall prepare a written Job Order Completion Report detailing the Contractor's efforts and achievements for each completed Job Order. Each Job Order Completion Report shall be presented to County as part of the Phase Five Submittals. The Job Order Completion Report shall include, but not be limited, to:

- ☐ Summary of Work performed during the completed Job Order.
- ☐ Collection of any and all Lessons Learned for implementation on future Job Orders.
- ☐ Status of the punch list items generated during that Job Order.
- ☐ Job Orders still open for resolution.
- ☐ As-Built of the reach if changes occurred.
- ☐ Expected warranty "cut-off" date.

A4-2b The monthly Job Order meetings (estimated duration 1 hours) shall be for the purpose of discussing, preparing, and resolving all related Job Order issues. The Contractor shall turn in all required initial submittals during the initial Job Order Meeting. This initial meeting shall mark the start of the Second Phase for Job Order Accomplishment. The Contractor shall submit the mailing labels/door hangers of the affected residents in the area of the Job Order to be executed for County approval.

A4-2c The Contractor shall be responsible for recording and typing the minutes of each meeting and for submittal of a copy of the minutes to the Project Manager within five (5) calendar days of the date on which the meeting was held. Upon receipt of concurrence with the meeting minutes, the Contractor shall revise and resolve the minutes, if necessary, and resubmit the minutes to County for record purposes. The minutes shall identify each significant agenda topic, summarize the discussions, identify action items with the responsible party, and indicate conclusion(s) reached in a manner sufficiently complete to adequately record the meeting. The Job Order meetings are in addition to the normal day-to-day communications between the Contractor and County. Special meetings may be required at more frequent intervals to discuss issues affecting the quality and timeliness of its completion and may be called by either the Contractor or County.

A4-2d As-Built Records Upon completion of construction, and as part of the final submittals for Phase V, the Contractor shall forward a complete set of as-built drawings and a copy set in accordance with County standards. These drawings shall indicate all final measurements and locations of all Work constructed under this Contract, deviations from design sewer alignment and grade, structural changes, and flow configurations. They shall also include, but not be limited to the following:

- ☐ Lengths, elevations, grades, stations and locations of all sewers, identified by Contract items, pipe size, and depth between manholes, special structures and terminals;
- ☐ Lengths and locations of all water mains, identified by Contract items, depth and main size;
- ☐ Distances between sewer service wyes and tees, with tie-in measurements to manholes and indication as to type of connection, length of house connection, and location and depth of end of lateral;

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- ☐ Distance between water service connections, with tie-in measurements to valves, fire hydrants, laterals, and other fittings, and indication as to size of connection, length of service connection, location of curb or corporation stop and end of pipe;
- ☐ Alignment of water mains, sewers, process piping, buildings, tanks, roadways, and other structures, where final installed location of alignment differs from that shown on the Plans, including tie-in measurements of distinguished marks that can be identified on the aerial photograph or topographic survey plan; and
- ☐ Every other feature or aspect of the completed Project which differs from or was not shown on the original Contract Plans.
- ☐ The locations of all House Connection Sewer (HCS) openings and abandoned HCSs.

A4-3 Subcontractor, Engineering Design & Surveying Management

A4-3a Due to the extent of this project it is anticipated that more than one Subcontractor and/or Subcontractor crews may be required for Job Order accomplishment.

A4-3b The Contractor shall provide currently licensed/bonded, qualified Subcontractors to perform the work that the Contractor is not qualified to perform. The Contractor shall be responsible for insuring that the work of its Subcontractors is performed within the guidelines established herein, in a timely manner, and shall not adversely impact the overall Job Order schedule.

A4-3c When it is necessary for the JOC Contractor to Hire an Engineering Firm (or Engineer) for design and/or inspections (examples – geotechnical, electrical, mechanical, materials, etc.), the engineer must be registered in the State of Arizona in the appropriate field of expertise.

A4-3d For design work the Firm must be approved by the County. The County can request the Contractor to provide a design and As-Builts with appropriate seals on all drawings.

A4-3e If surveying is required, the surveyor must be licensed to practice in the State of Arizona and will be required to seal survey information within the drawings.

A4-4 Community Relations

A4-4a Due to the extent of this project it is anticipated that the Contractor will be in a position where interaction with the public will be often required. It is the intent of Pima County to maintain a positive public image at all times during the construction planning, progress, and completion. To that effect, the County Community Relations Manager shall be contacted whenever a situation involving public property damage, Sanitary Sewer Overflows (SSO's, see **SUB APPENDIX E**), residential street closure, major street lane closures, or any other major interaction with the public is required (contact phone numbers will be provided). All information delivered to the public or the press shall be coordinated with the County Community Relations Manager. All inquiries from the press shall be directed to the County Community Relations Manager.

A4-4b Any damage to County infrastructure or to private or public property shall be immediately repaired or rehabilitated to County or property owner's satisfaction at no additional expense to County. The property owner and County will be notified of the problem and the repair. The County Community Relations Manager shall be contacted to interact with the public on behalf of County. This does not preclude the Contractor or his/her representative from speaking to a resident whose property has been damaged at the time of the incident.

Neither does it preclude the Contractor or his/her representative from speaking to residents or a specific resident who approach him/her later in the project unless he/she has been instructed not to communicate with specific individuals. In such cases, the Contractor or his representative will address the individual or individuals courteously and politely and refer them to the designated Pima County representative.

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A4-4c During any Sanitary Sewer Overflow (SSO) situation, the County Community Relations Manager shall be contacted to interact with the public and media as the Department spokesperson.

A4-4d When public meetings are required in preparation for a rehabilitation project, per SUB APPENDIX C, close coordination with the County Community Relations Manager shall be required.

A4-4e A project supervisor must be available for calls on a cell phone (paid for by the Contractor and with a Local Tucson number) from 5:00 p.m. to 8:00 a.m. Monday through Friday and 24 hours a day on weekends and County holidays. This **local** phone number will be provided to residents in affected areas so they can ask questions or address concerns about work that might be taking place "after hours" in their neighborhood.

A4-5 Resident/Business Notification

Residents may need to be notified of inspection or construction activities, including changes in street traffic or lane closures. All the residents within the proposed work area shall be notified of the estimated timing, duration, and type of activities to be performed in the area. The Contractor and its Subcontractors shall communicate and coordinate with the public in an effective, efficient, and friendly manner in order to be a "good neighbor" and foster their cooperation during the task. During the course of the project, if the original time for the construction activity is accelerated or delayed, the Contractor will notify the County PM, Community Relations, as well as residents to commencement of any work schedule change 24 hours in advance.

A4-5a The Contractor shall present and submit for County approval the proposed notification letter. The resident's addresses and information are available on the Pima County GIS data files. If notification is required, notifications shall be mailed and/or hand delivered to residents, as specified in **Sub Appendix C**, prior to the actual cleaning and/or CCTV inspection activity. The Contractor and/or its Subcontractors field crews shall carry a copy of the notification letter at all times.

A4-5b Every effort shall be made to determine if a neighborhood or homeowner association exists within the proposed work area. If such an organization is active, it shall also be included in the notification procedures. The Contractor shall contact the County Community Relations Manager for a list of known neighborhood associations with their respective points of contacts (POC). The list shall be part of the final report for the project.

A5 REFERENCES AND JOB ORDER SUBMITTALS:

This task describes the project references and submittal requirements for CIPP Rehabilitation/Pipeline Reconstruction, Point Repairs, Manhole Rehabilitations, and Manhole Reconstructions. Failure to provide the required up to date submittals at the Project Kick-Off meeting will result in the contractor's NOT being issued JO's

A5-1 References

Where a reference is made to one of the standards listed below, the revision in effect at the time of the bid opening shall apply. If there is a conflict between any ASTM data and this specification, this specification shall govern.

American Society for Testing and Materials (ASTM)

ASTM D-638: Test Method for Tensile Properties of Plastics

ASTM D-790: Test Method for Flexural Properties of Un-reinforced and Reinforced Plastics and Electrical Insulating Materials

ASTM F-1216: Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube.

ASTM F-2019: Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the pull in place installation of reinforced cure in place (GRP-CIPP UV light curing).

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ASTM C-581: Standard Practice for Determining Chemical Resistance of Thermosetting Resins Used in Glass-Fiber-reinforced Structures Intended for Liquid Service

ASTM D-3681: Standard Test Method for Chemical Resistance of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe in a Deflected Condition

ASTM F 1743: Rehabilitation of Existing Pipelines and Conduits by Pulled-In-Place Installation of Cured-In-Place Thermosetting Resin Pipe (CIPP)

Arizona Department of Environmental Quality (ADEQ), Section R18-9-E301.4.01 General Permit: Sewage Collection System.

Pima County Regional Wastewater Reclamation Department Standard Details and Specification, latest edition.

Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments.

A5-2 General Contract Submittals

A5-2a Due to the phase approach of this contract, the Contractor shall be required to establish a submittal schedule for the duration and performance of this contract. The submittals will be required as per the phase of the Job Order.

A5-2b Before the Contractor receives the Contract NTP, the Contractor shall present County with the following:

- ☐ List of Subcontractors certifications and qualifications
- ☐ Local Tucson phone numbers for all superintendents and project managers
- ☐ Coating applicator's certifications and qualifications
- ☐ Confined space entry procedures and certifications for the General Contractor's personnel and all Subcontractor's personnel requiring entrance to the sewage system (Cleaning, Manhole Rehabilitation, Manhole Reconstruction, Closed Circuit Televising (CCTV))
- ☐ All relevant information for the proposed (CIPP) liner from the resin manufacturer (specifications, characteristics, properties, and methods of application). Ref: Cured In Place Pipe (CIPP) Specifications, **SUB APPENDIX D**.
- ☐ Spill Prevention Plan
- ☐ Construction Safety Plan per **SUB APPENDIX G**.
- ☐ Emergency Personnel telephone numbers (updated thru contract duration as needed)
- ☐ Contractors equipment cost for owned equipment (updated thru contract duration as needed) for force account work payment calculation
- ☐ Draft of Residents Notification Letter/Door hangers

A5-2c As the contract progresses and a Job Order is issued, the Contractor shall (on a Job Order basis) as part of the submittals for the Job Order Accomplishment, (Phase Two), submit to County the following submittals to include but not limited to:

- ☐ A copy of the proposed work schedule
- ☐ Pricing based on Pima County Wastewater Unit Price Book; this pricing will be stated as a computation of prices for each item times the quantity and will give an overall Not to Exceed amount
- ☐ Design data and specifications data sheets listing all parameters used in the CIPP design and thickness calculations based on Appendix X1 of ASTM F-1216.
- ☐ Flow Management Plan (If required)
- ☐ Confined space entry plan (if required)
- ☐ Traffic Control Plan (If required)
- ☐ Proposed method of sewer cleaning
- ☐ Residents Notification Letter customized to the specific Job Order location

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- ☐ Pipe materials and appurtenances
- ☐ Submittal for seals and grout
- ☐ Manhole Reconstruction Shop Drawings & material submittals (If required by the Job Order)
- ☐ Manhole/structure coating product
- ☐ Photos and video of the proposed construction area (before & after construction) for County records (If required by the Job Order).
- ☐ Proposed lay down area for construction activities
- ☐ Any Environmental related permit including but not limited to SWPPP permits, Native Plant Preservation Surveys and Plans, 404 Permits, Right of Entry or Right of Way permits, or other required permits.
- ☐ Erosion Control Plan per County requirements for construction impacting less than 1 acre.
- ☐ NASSCO certifications for personnel performing CCTV inspections
- ☐ Submittal for all other equipment and material not previously approved after award of the Contract
- ☐ Resident Notification Log

A5-2d During the progress of the Job Order, as part of the submittals for the Job Order Accomplishment, (Phase Four), the Contractor shall submit to County the following submittals/Deliverables, to include but not limited to:

- ☐ Daily progress reports, to be turned in to the Pima County Inspector for approval and coordination. The daily report will include the proposed activities for the next day.
- ☐ A copy of the "wet-out", Styrene Monitoring Log and "Cure" reports in an approved format immediately after curing of each liner is completed if applicable.
- ☐ Pipe Installation Cut sheets
- ☐ Concrete tickets
- ☐ Notification of any property damage

A5-2e Upon completion of the Job Order the Contractor shall submit to County the following submittals/Deliverables for the process of payment, to include but not limited to:

- ☐ Job Order Completion Report
- ☐ Materials Tests Results
- ☐ Updated list of punch list items
- ☐ Records and DVDs documenting line cleaning and television inspection of completed work
- ☐ Actual resin volume used, and test results of infrared spectrum analysis conducted on each lot of resin, if applicable
- ☐ Copy of cured liner samples test result reports, if applicable
- ☐ Photos and video of the construction area (after construction)
- ☐ Notification of any property damage
- ☐ Job Order status report
- ☐ Meeting Minutes
- ☐ As-Built/Record drawings if required in the Job Order
- ☐ Electronic photos of completed manhole/cleanout reconstruction and or adjustment to finish grade.

A6 JOB ORDER EXECUTION:

Utilizing the Job Order information and submittals approved on the previous subtask, County will issue a NTP to the Contractor. The Contractor shall then proceed with the Job Order.

The Contractor shall research all available public records such as: existing As-Builts, Wastewater Operations Division Hansen Infrastructure Management System (IMS) database, sewer base maps, Ortho-photos (where available), subdivision plats, GIS data maps, or any other data source the Contractor and/or County deem reliable or necessary.

The **Contractor** shall provide, at a minimum, one-week notice when requesting from County any other data sources (existing As-Builts, sewer base maps, Ortho-photos, subdivision plats, GIS data maps, County Field Operations survey folders) deemed reliable or necessary and not otherwise accessible to the public.

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A6-1 Work Within Easements and Right-Of-Way

A6-1a This work is to be done within existing public rights-of-ways. It shall be the responsibility of the Contractor to obtain any and all necessary permits to conduct the work within the rights-of-way shown in the plans, including any permits required for temporary pavement cuts within the roadway. It will be the Contractor's responsibility to obtain any Right of Entry permits or agreements required to perform work within other jurisdictions or utilities easements, right of way, or property including ADOT and Railroad right of way, easements or property. The Contractor shall prepare and provide control plans as necessary, including for traffic and sewage flow management. The Contractor shall complete the ADEQ application for the purpose of obtaining the ADEQ Approval to Construct letter if required. Payment for the required permits shall be made per permit receipt amount from the Jurisdiction Payment Bill, with no markup allowed, out of the Permits Line Item.

A6-1b The Contractor shall follow Pima County Native Plant Preservation Plan. The Contractor shall make every effort to minimize damage to existing improvements and/or vegetation during all work operations. Any existing improvement and/or vegetation which require removal for work access shall be replaced "in kind" by the Contractor. All costs associated with the above work within rights-of-way shall be included in pipe installation costs, except as provided for by specific items in the Special Provisions. Any existing improvement and/or vegetation that is damaged or removed by the Contractor outside the rights-of-way shall be replaced "in kind" and to a condition equal to or better than the original at the Contractor's expense.

A6-2 Execution

A6-2a The Contractor shall visit all line segments proposed for rehabilitation and notify County in writing of any site conditions or visible problems, such as access, which would prevent the accomplishment of the work.

A6-2b After receiving the Notice to Proceed, a notification letter and door hanger, provided by the Contractor and approved by County, shall be delivered by the Contractor to each residence affected by the installation process as specified in **SUB APPENDIX C** as soon as possible. Residents shall be informed when wastewater and/or water service interruption will take place and the approximate duration.

A6-2c The Contractor shall be on site with all necessary equipment in good working order no later than 7:00 a.m. on the day specified in the NTP. Every effort shall be made by the Contractor to complete all work by 5:00 p.m. The Contractor shall notify each residence affected by the construction activities, for which service has not been re-established by 5:00 p.m. of the estimated time the service reconnection will be complete. No work, unless required by an emergency and authorized by County, will be performed on weekends and holidays. Contractor shall schedule Traffic Control and Flow Management during non-peak hours whenever possible, so as to best accommodate the neighborhoods and traffic flow.

A6-2d Except for CIPP or alternate pipe rehabilitation/repair method, flow management operations, and manhole rehabilitation (protective coating), all work shall be scheduled on a 7:00am to 5:00pm workday, unless other hours are authorized or required by the County, with the exception of Flow Management, which shall be manned and operated on a 24 hour, 7 days per week basis until the completion of the project, and Emergency Repairs as required. Prior to commencement of Construction activities involving Cured in Place Pipes (CIPP), the Contractor shall notify Pima County Industrial Wastewater Control of the project schedule and will give them the opportunity to schedule sampling of the curing waters prior to discharging them back into the sewer system.

A6-2e Contractor shall deliver the uncured resin impregnated liner to the site, provide all equipment required to install the liner into the conduit, expand the liner in accordance with the manufacturer's standard procedures, and cure it in place. The liner shall be impregnated with resin not more than 72 hours (or other time as defined and recommended by the product manufacturer) before the proposed time of installation and stored in accordance with the manufacturer's recommended procedures.

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A6-2f The Contractor shall take steps to minimize the spread of noxious odors to the surrounding neighborhood. This shall include but not be limited to covering the tops of the manholes where flow management pumps are removing wastewater from the existing sewer line or discharging wastewater to the existing sewer line and using portable odor abating devices (if required by the job order). All measures being employed shall first be reviewed and approved by County.

A6-2g Work performed shall be in accordance with local, state, and federal standards and requirements. Safety and maintenance of traffic are the responsibility of the Contractor. Site safety shall be maintained around the clock during the work performance.

A6-2h All debris resulting from construction activities shall be disposed in an approved landfill at the Contractor's expense.

A6-3 Maintenance of Sewage Flows:

A6-3a The Contractor shall be responsible for all sewage flow management around the pipe to be cleaned, televised, repaired, replaced or lined, or any manhole rehabilitation where bench work will be required, in accordance with County standards (see **SUB APPENDIX B** for detailed Flow Management Submittal requirements). Pump and flow management lines shall be of adequate capacity and size to handle 1.5 times the peak wet weather flow without affecting the service connections upstream of the sewer line being lined. The Contractor shall be responsible for cleanup, repair, and property damage costs and claims resulting from sewage overflow or backup caused by inadequate pumping or any other reason related to the Contractor's lining work. **A** certified maintenance person capable of starting, stopping, refueling, troubleshooting, and maintaining this equipment during the rehabilitation work shall continuously monitor pumps and equipment.

A6-3b The Contractor shall take appropriate steps to ensure that all pumps, piping, and hoses that carry raw sewage are protected from vandalism, vehicular traffic and pedestrian traffic.

A6-3c In the event, during any form of "Maintenance of Sewage Flows" that raw sewage is spilled, discharged, leaked or otherwise deposited in the open environment, due to the Contractor's work, the Contractor is responsible for any cleanup of solids and disinfecting of the area affected. This work shall be performed at the Contractor's expense with no additional cost to County. The Contractor is also responsible for notifying County **immediately regardless of quantity** and complying with any and all regulatory requirements in regard to the spill with no additional cost to County. The Contractor shall be charged back for any fines, penalties, or other costs or damages imposed upon County by any agency or private party as a result of a spill or improper discharge by the Contractor.

A6-4 Cleaning of Sewer:

This contract may require cleaning of the sewers prior to CCTV activities, including manhole washdown (MH bench debris removed) and siphons and wet wells. The Contractor and its Subcontractors shall provide all materials, labor and supervision, necessary to clean the collection system. The purpose of cleaning is so that all potential defects are visible, and the true physical condition of the sewer can be ascertained.

A6-4a The Contractor shall supply equipment for sewer cleaning capable of removing sewage solids, sludge, roots, grease, grit, dirt, rocks, rags, and other deleterious materials and obstructions from sewers without damage to the existing sewer pipes. The Contractor shall use equipment that will efficiently clean the pipe and remove solids from the collection system in a minimum amount of time.

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A6-4b Cleaning methods that may be used include, but are not limited to, high velocity hydraulic cleaners and power rodders. Other methodologies recommended by the Contractor or its Subcontractors must be approved by Pima County. The Contractor shall protect the integrity of the collection system and all manholes from damage during the cleaning operations.

A6-4c The Contractor shall remove sewage solids, sludge, roots, grease, grit, dirt, rocks, rags, and other debris resulting from the cleaning operation at the next downstream manhole. The Contractor shall not pass material from an upstream segment to the next downstream segment. When hydraulic or mechanical cleaning equipment is used, the Contractor shall construct a weir, dam, or functionally equivalent structure in the downstream manhole to trap solids for removal. The Contractor must be vigilant in removing solids and must monitor the manhole to ensure that no harm comes from backing up the main. The Contractor shall coordinate the location of disposal of liquid material (decant) with County. Normally, the Contractor will be able to decant into a manhole from which debris has been removed. The Contractor shall obtain and complete all permits, documentation, and waste manifest to transport and dispose of solid materials to the Tres Rios Water Reclamation Facility (WRF). The Contractor shall be responsible for the transport and disposal of the material removed during cleaning at no additional cost to the County.

A6-4d The Contractor and its Subcontractors shall take adequate precautions to prevent and shall be responsible for any structural flooding damage or sanitary sewer overflows (SSO's) that occur due to cleaning operations.

A6-4e If, during the CCTV inspection, the sewers and manholes are not, in the opinion of the County representative, adequately cleaned, the CCTV inspection shall stop and the areas in question shall be cleaned, or re-cleaned by the Contractor or its Subcontractors at no additional cost to the County.

A6-4f Because of the age and possible condition of the sewer lines, the Contractor and its Subcontractors shall exercise extreme caution when cleaning the sewers. The Contractor and its Subcontractors shall routinely use high-velocity hydro-cleaning equipment preceding the CCTV activity. The Contractor shall protect the pipeline and its appurtenances from damage during the cleaning operation.

Any damage resulting from the cleaning operation shall be repaired by the Contractor, at no additional cost to the County, using repair methods approved by the County.

A6-4g Cleaning of Sewers will be required throughout the duration of the contract. Flow management shall be in operation and the sewer line dry before starting the cleaning operation. It shall be the responsibility of the Contractor to remove all internal debris, roots, and other protrusions from the sewer line that will prevent insertion of the liner or compromise the integrity of the finished product. The Contractor shall take adequate precautions to prevent and shall be responsible for any flooding damage that occurs due to cleaning operations. If, during the TV inspection, the sewers are not, in the opinion of the County representative, adequately cleaned, the TV inspection shall stop and the areas in question shall be cleaned or re-cleaned by the Contractor. Because of the age and possible condition of the sewer, the Contractor shall exercise extreme caution when cleaning the sewers. The Contractor shall submit their proposed cleaning methods for approval before starting any cleaning operations. The Contractor shall not routinely use high velocity hydro-cleaning equipment immediately preceding the TV camera. The Contractor shall use high velocity hydro-cleaning equipment in conjunction with the TV inspection only when so directed by the County representative. In general, County will review and approve the method of cleaning being proposed by the Contractor based on the condition of the existing pipe.

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A6-4h In addition, prior to television_ inspection and video recording, the sewer shall be cleaned to such a condition that the video camera can adequately discern structural defects, misalignments, and points of infiltration and exfiltration. Prior to pipe rehabilitation, all sand, rocks, gravel, mud, grease, and other debris that could interfere with or otherwise adversely impact the success of the rehabilitation shall be removed. Intruding laterals shall be cut prior to rehabilitation where applicable.

A6-4i Solids, wastewater, and debris resulting from the cleaning operation shall be captured and hauled by the Contractor to the Tres Rios WRF for decanting. Nothing shall be allowed to go to the respective WRF through the sewage system. Under no circumstance shall sewage or solids be dumped onto the surface, street, or into waterways, ditches, inlets, or storm drains.

A6-5 Television Inspection:

The required software for this contract is to be in accordance with the latest NASSCO certified software used by Pima County. No substitutions will be allowed.

A6-5a After the sewer section to be lined has been cleaned, after liner installation and reinstatement of lateral connections or after sewer line repair or replacement has been completed, the line shall be inspected with a television camera able to provide a total view, up and down and side to side by panning a minimum of 275 degrees and rotating 360 degrees. Lighting for the camera shall be directed, and of sufficient intensity to provide a clear picture of the entire periphery of the existing sewer. The Contractor shall supply County with clear, viewable, color digital video showing the line segment from the centerline of one manhole to the centerline of the next manhole, including service connections, before and after the lining process, and after sewer line repair or replacement, recorded back-to-back. A copy of all paper records, digital records, and inspections shall be submitted to County upon request and shall be submitted to County on an as completed Job Order basis and prior to request for payment. Note: Contractor may submit digital CCTV inspections for submittal. If both pre- and post- rehabilitation video records are not presented prior to a payment request for a Job Order, payment for the work will not be made and the request will be rejected.

A6-5b The interior of the pipeline shall be carefully inspected to determine the location of any conditions, which may prevent proper installation of liner into the pipelines, and it shall be noted both on digital video recording and on log sheets so that these conditions can be corrected.

A6-5c The camera shall be moved through the line in either direction at a uniform rate, stopping when necessary to permit proper documentation of the sewer's condition and features in accordance with NASSCO Defect and Features Coding Standards. In no case shall the camera be pulled at a speed greater than 30 feet per minute. The camera shall be panned, tilted, and rotated as is necessary to best view and evaluate all features and points of interest found. If, during the inspection operation, the television camera **will** not pass through the entire sewer segment, the Contractor shall set up the equipment so that the inspection can be performed from the opposite manhole. A blower shall be used, as needed, to defog the sewer line and promote a clear picture.

A6-5d Televising and digital video recording after rehabilitation and reinstatement of lateral connections shall be conducted without wastewater in the sewer lines.

A6-5e The digital video recording shall include a view into each service connection before use and, if possible, in use after the lining process. If the connection cannot be shown in use, a thorough video inspection of the connection will be required before moving on through the line and the digital video recording shall indicate

"resident not available, flush test not possible". At service connections, the Contractor shall slowly scan the entire edge of the service connection (360 degrees).

A6-5f At a minimum, the CCTV equipment shall consist of a pan and tilt color camera capable of illumination and recording features. The CCTV equipment must be equipped with a radio frequency transmitter. The TV truck must include a radio frequency receiver to allow the operator to mark on the ground surface with Spray paint, the location of the sewer line and or serious defects, which require immediate repair. The data collected shall be PC based, using the latest Pima County compatible CCTV software, capable of recording the CCTV logs. The camera shall be either transported by tractor or tagging and maintain centering of the camera in the pipe centerline.

A6-5g If during the television inspection of a manhole section, the camera is unable to pass an obstruction even though flow is unobstructed, televise the manhole section from the other direction (reverse setup) in order to obtain a complete recording of the line. Whenever such a condition arises, notify the Project Manager or designated representative.

A6-5h When the camera is being pulled from the other direction in order to inspect on either side of an obstruction, and a second obstruction is encountered away from the first obstruction, notify the Project Manager or designated representative and request a review of the recorded image.

A6-5i The County makes no guarantee that the sanitary sewer designated for television inspection is clear for the passage of the camera. Selection of the appropriate equipment, tools and methods for securing safe passage of the camera is the Contractors responsibility.

A6-5j If during CCTV inspection of a line segment the camera gets "stuck" inside the pipe and can't be pulled, the Contractor shall notify the Project Manager immediately. The Contractor will be required to remove its camera/equipment and will be responsible for all costs associated with retrieving. its camera/equipment including excavation, trench safety, bedding, backfill, base, pavement, pipe replacement or repair in accordance with Pima County Standard Specifications.

A6-5k The inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections by closed circuit television (CCTV). The CCTV Contractor has to be certified with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) defect code usage. All pipeline features and defects shall be observed and annotated on the video, in accordance with NASSCO Defect and Features Coding.

A6-5l The Contractor's TV inspection operator shall provide and record audio comments on the digital video recording what the operator sees during the actual TV inspection. The audio comments shall note the condition of the pipe and the location of connections to the sewer to supplement the visual information, shown on the TV recording, concerning the distance in feet through the pipe the TV camera has traveled. The County representative reserves the right, both at the time of the actual TV inspection and at the time of the receipt of the finished inspections, to reject inspections because of a poor picture quality (clarity, brightness, etc.). The Contractor shall re-televise, re-inspect, record, and resubmit new CCTV inspections of those sewer segments that may have been rejected by County because of poor quality, all within the bounds of present state of the art televising capabilities. All sewer reaches that may have to be re-inspected will be done by the Contractor at no expense to County. At the beginning of each TV inspection, the Contractor's TV equipment operator shall both visually display using a video header and orally note on the audio track of the inspection, the location, day, date and time of the TV inspection.

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A6-5m Within manholes, both ends of the liner shall be televised and video recorded to determine proper cutting and to detect any leaks between the liner and the host pipe.

A6-5n The Contractor shall identify each line segment by street name, upstream and downstream manhole numbers, date, length of line, host pipe type, and in the case of rehab by the CIPP method, liner thickness. Each service connection will be identified by their respective house number and street name. This information shall be indicated on the video using audio and/or superimposed text.

A6-5o During televising and video recording, each line segment shall be measured to determine the exact length for billing purposes. Measurement for location of rehabilitation shall be by the footage meter on the cable (or a mutually agreed upon device), which shall appear continuously on the video picture and inspection media. Footage meter shall be standardized to reflect the distance from the centerline of the starting manhole to the centerline of the ending manhole. Accuracy of the distance meter shall be checked by use of a walking meter, roll-a-tape, or other suitable device. Logs and inspections shall indicate the location of all noted features, relative to the centerline of the manholes. Depth gauge attached to camera will be required for newly installed sewer mains from manhole to manhole and newly installed CIPP liner.

A6-5p The Contractor shall take adequate precautions to prevent and shall be responsible for any flooding damage that occurs due to cleaning operations. If, during the TV inspection, the sewers are not, in the opinion of the County representative, adequately cleaned, the TV inspection shall stop and the areas in question shall be cleaned or re-cleaned by the Contractor. Because of the age and possible condition of the sewer, the Contractor shall exercise extreme caution when cleaning the sewers. The Contractor shall not routinely use high velocity hydro-cleaning equipment immediately preceding the TV camera. The Contractor shall use high velocity hydro-cleaning equipment in conjunction with the TV inspection only when so directed by the County representative.

A6-5q CCTV operations shall comply with standard County CCTV inspection requirements. The Contractor shall label each individual electronic media file and shall provide a separate written index of all electronic media files submitted. The index shall list, by media file, each sewer segment recorded thereon and shall be accompanied by a map that clearly indicates which electronic media file covers, which reach of, inspected sewer. In addition to paper logs, the electronic media files shall include a log that relates each inspected sewer segment to the counter indication on the electronic media file showing a distance in feet from the manhole to each lateral connection or physical feature noted during that segment's TV inspection. Upon completion of the TV inspection, all electronic media files shall be submitted to County and shall become the property of the County. All CCTV operations indexes and daily logs shall be compiled and included in the project's summary report.

A6-6 Sewer Preparation Prior to Liner Installation:

A6-6a Any protruding pieces of concrete, "dropped" joints, or broken pipe shall be corrected by trenchless methods or point repairs so that the host pipe is left in a clean, smooth condition ready for lining, unless otherwise jointly determined by the Contractor and County that the defect will not compromise the integrity of the liner. Prior to liner installation, all active leaks of a magnitude that may compromise the liner shall be stopped using chemical grout. If conditions, such as broken pipe and major blockages, are found that would prevent proper cleaning, or where additional damage could result if cleaning were attempted or continued, the Contractor, with the approval of County, shall perform the necessary point repair, and then complete the cleaning.

A6-7 CIPP Liner Installation

A6-7a Reference: Cured In Place Pipe (CIPP) Specifications, **SUB APPENDIX D.**

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A6-8 Service Connections:

A6-8a The re-connection of service connections for CIPP rehabilitation Job Orders, shall be completed, unless otherwise specified, without excavation, from the interior of the pipeline by means of a television camera directed cutting device. All re-cut service connections shall be neat and smooth and free of all burrs, frayed edges, or any restrictions preventing free flow. Service connections shall be trimmed and wire-brushed per NASSCO CIPP Installation Specifications. No coupons, debris, or shavings shall be left inside the service connections or the lined pipe. County will provide the Contractor with the approximate location of house service connections in the CCTV video provided with each Job Order package for both open cut and trenchless repair methods. During the pre-rehabilitation television inspection of the line, the Contractor shall confirm the house service connection location. There is the potential for inadequate connection reopening resulting in sewage back up in private homes. The Contractor shall be responsible for any and all damages to private properties due to defective work. All other repair methods where open cut repair or replacement of sewer lines is called for, will require the service be reinstated at the same time the sewer pipe is being repaired or replaced.

A6-8b The Contractor shall maintain a crew or a plumber capable of responding on short notice (one hour) to the affected residences for such emergencies that may occur as a result of the lining process. The Contractor shall provide a minimum of two 24-hour telephone numbers to be contacted in case of an emergency.

A6-8c The Contractor will be responsible for all costs incurred due to deficiencies related to the lining procedure or sewer line replacement. In the event a service connection is not properly reinstated, the Contractor shall rectify the defect without cost to County.

A6-8d The Contractor shall stop all visible leaks, including those at service connections, to achieve an acceptable watertight seal.

A6-8e During televising, the camera shall slowly scan the entire edge of the service connections (360 degrees).

A6-9 Utility Trench Pavement Patch:

A6-9a Pavement replacement shall be performed in conformance with the Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments or controlling municipality. The work includes, but is not limited to, removal of existing asphaltic concrete or cold patch; placement of new material; all striping and pavement markers.

A6-10 Chip Seal Coat

A6-10a Chip seal shall be performed in conformance with Section 404 of the Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments. In the event a double chip seal coat is required on a Work Order, the Contractor shall be paid the line item cost for chip seal multiplied by two (2).

A6-11 Manhole Construction:

A6-11a All manhole construction and installation shall be performed in compliance with County standards and specifications. Unless otherwise specified on the Work Order, all sanitary sewer manholes shall be precast units conforming to the requirements of ASTM C478 or ASTM D6783. Construction of new manholes shall consist of furnishing and installing all materials necessary, including but not limited to, manhole frames and covers, adjustment rings and steps, removal of existing pipe and the finishing of the bench and inverts. All new sanitary manholes shall be hydro tested or vacuum tested for water tightness as required by the Arizona Department of Environmental Quality (ADEQ), Section R18-9-E301.4.01 General Permit: Sewage Collection Systems

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A6-12 Manhole Rehabilitation:

A6-12a Reference: Manhole Coatings & Rehabilitation Specifications and also PCRWRD Approved Product list, **SUB APPENDIX F**.

A6-13 Manhole Adjustment and Reconstruction:

A6-13a Manhole adjustment is defined as the elevation change of the manhole structure in order to raise or lower the manhole to a specified elevation, but that does not require the addition or removal of the cone or barrel sections. Manhole adjustments shall be achieved by adding or removing manhole adjustment rings/bricks or the use of mortar not to exceed 1 inch in thickness. The existing manhole frame and cover shall be removed, cleaned and reinstalled unless directed by County to replace the existing frame and cover with a new frame and cover. All work shall be performed in accordance with County Standard Details.

Vertical Tolerance

Manhole rims shall not exceed 0.5 inch above or below finish grade. Manhole rims that exceed this requirement shall be adjusted to match final grade by the contractor. This includes work related to pavement overlay or resurfacing.

Brick

Brick used for manhole adjustments shall conform to the requirements of ASTM C32, Grade MS. Brick dimensions shall be accepted by the inspector prior to use.

Mortar

Mortar used for manhole adjustments shall conform to the requirements of SSDC Section 3.3.2.C. Fine aggregate for mortar shall conform to ASTM C144. Concrete shall not be used in place of mortar.

Damaged Frame and Cover

Under no circumstances shall the contractor be permitted to reinstall a damaged frame and cover. Damaged components shall be replaced in kind with new or used components acceptable by the Inspector.

Foreign Material Adhering to Frame and Cover

The Contractor shall remove asphalt or chip seal material from frames and covers. If the Contractor is unable to remove material to the satisfaction of the Inspector, the Contractor shall replace the frame and cover. The Contractor shall ensure that the manhole lids and pick holes are clean and free of any construction material, debris, or obstruction prior to the project being accepted. The Contractor is not responsible for removing material remaining from prior work by others.

Coatings and Linings

Any manhole coating or lining disturbed by the Contractor's operation shall be replaced in-kind in conformance with RWRD requirements.

A6-13b Reconstruction of the manhole cone and/or barrel section occurs when the required amount of adjustment to the manhole causes a violation of the dimensional ranges noted in the appropriate County Standard Details for adjustment of brick, precast concrete and flat top manholes. All manhole reconstruction shall be done in accordance with the applicable County Standard Details. Any additional or replacement manhole sections shall be new material. Joints of new manhole sections must provide a suitable match and shall match standard detail 208 manhole joints (in configuration and performance) with the existing manhole section joint. If existing joints do not match standard detail 208, a leveling course will be required and shall meet standard detail 308. The Contractor shall be responsible for the proper disposal of the existing manhole section(s). The costs associated with removal and/or proper disposal of an existing manhole section(s) shall be incidental to the appropriate RWRD Price Book Item.

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A6-13c of a brick manhole will normally require the removal of bricks in the cone section to the straight wall of the manhole, where a new cone section can be added to achieve the desired manhole finish elevation. The Contractor shall install a leveling course meeting standard detail 308. Contractor may submit to the Engineer a plan to use precast concrete manhole sections in lieu of bricks in the reassembly of the manhole to be adjusted. This plan must receive the Engineer's approval prior to the ordering of the precast concrete manhole sections. Any additional or replacement manhole sections shall be new material. The costs associated with the proper disposal of the removed, unused and remaining bricks shall be considered incidental to the appropriate RWRD Price Book Item.

A6-14 Manhole and Cleanout Frame and Cover and Existing Manhole Section Replacement and Salvage/Disposal:

A6-14a If an existing manhole frame and cover is replaced with a new manhole frame and cover, County shall direct the Contractor to either salvage and deliver the existing frame and cover to County's Operations Division Yard (3355 N. Dodge Blvd.) or to properly dispose of the existing frame and cover. The Contractor shall coordinate deliveries to Conveyance Yard by calling 520-724-3400. The costs associated with salvaging the existing manhole frame and cover(s) and delivery to County shall be considered incidental to the appropriate RWRD Price Book Item.

A6-14b The Contractor shall be responsible for the proper disposal of the existing manhole section and non-reuse for public or private sewer systems. The costs associated with removal, salvage and delivery to County or proper disposal of an existing manhole section(s) shall be incidental to the appropriate RWRD Price Book Item.

A6-15 Pot-Holing:

A6-15a If a feature cannot be located, the Contractor or its designated Subcontractor shall perform pot holing to determine its location. The Contractor shall be responsible for the proper disposal of the existing pot holing debris. The costs associated with removal and/or proper disposal of the existing pot holing debris shall be incidental to the appropriate RWRD Price Book Item.

A6-15b The Contractor shall coordinate with the appropriate regulating departments or agencies of all towns or jurisdictions included in Pima County. As a minimum, the Contractor shall contact each one of the appropriate Public Works or Transportation Departments of Marana, Oro Valley, Pima County, Sahuarita, South Tucson, and City of Tucson to comply with Blue Staking, all affected Utility Agencies, and permitting requirements.

A6-15c The Contractor shall comply with all Occupational Safety and Health Administration (OSHA) regulations pertaining to Pot-Holing operations.

A6-16 Cleanout Reconstruction:

A6-16a Reconstruction of existing cleanouts shall be done by replacement with a new manhole. Cleanouts may be reconstructed in place if utility conflicts do not allow for a new terminal manhole to be installed.

A6-17 Excavation and Backfill:

A6-17a Due to the existing condition of our sewer lines, it is expected that some of our lines will be encroached upon by private landscaping, vegetation overgrowth, alleyways and within public streets. On such conditions, the Contractor shall excavate to positively locate these lines.

A6-17b At a minimum Excavation shall be done to locate and identify sewer facilities within County designated sewer easements. The Contractor may be required to excavate the width of the easement and/or ROW and at a depth as deep as the nearest locatable downstream manhole.

A6-17c The Contractor shall coordinate with the appropriate regulating departments or agencies of all towns or jurisdictions included in Pima County. As a minimum, the Contractor shall contact each one of the appropriate Public Works or Transportation Departments of Marana, Oro Valley, Pima County, Sahuarita, South Tucson, and City of Tucson to comply with Blue Staking, utility coordination, and permitting requirements.

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A6-17d The Contractor shall comply with all Occupational Safety and Health Administration (OSHA) regulations pertaining to excavation and backfilling operations.

A6-17e The Contractor shall comply with backfill and compaction requirements as set forth in PCRWRD Standard Specifications and Details for Construction.

Guidelines for compaction testing of backfill for small projects.

The following guideline shall apply to any public sewer facility construction or repair that does not fall under the requirements of SSDC Section 3.1.3.F Backfill Density Testing Procedures. This guideline is intended to address compaction of backfill for small projects, point repairs, and the construction of new manholes. Furthermore, this guideline is intended to ensure consistency in our compaction records.

Backfill material shall be compacted in lifts to attain a minimum of 95% standard proctor. Failure of backfill compaction test results will result in rejection of that portion of the work. The Inspector shall select test locations that are representative of the contractor's general backfill installation effort.

Trench Backfill

This guideline shall apply to each 100 feet or less of open trench excavation. Compaction tests shall be reported for each vertical two (2) feet of compacted backfill, commencing at approximately four (4) feet of compacted material above the top of pipe; and shall continue to the surface. For construction in paved roads, an additional test shall be performed to document that the aggregate base course has been compacted to 100% maximum density per PAG SSPI Section 303-3.02.

Manhole and Structure Backfill

Compaction testing for backfill around manholes and structures shall consist of one test per each vertical two (2) feet of compacted backfill. For manholes, test locations shall rotate with successive 2-foot increments at 120-degree intervals and shall continue to the surface. Density testing of backfill around formed structures shall consist of one test per each vertical two (2) feet of compacted backfill, alternating sides with successive 2-foot increments. For construction in paved roads, an additional test shall be performed to document that the aggregate base course has been compacted to 100% per PAG SSPI Section 303-3.02.

The Inspector may require additional tests if field conditions warrant, soil conditions change, or if they judge the compactive effort to be inconsistent. Nothing in this guideline shall prevent or limit the contractor/materials tech from performing as many additional tests as they deem necessary

A6-18 Manhole Bench Rehabilitation:

A6-18a Rehabilitation of the manhole bench occurs when the manhole channel(s) must be reconstructed, as to allow a smooth flow from the inlet pipe(s) to the outlet pipe(s). All manhole bench reconstruction shall be done in accordance with the applicable County Standard Details. The Contractor shall be responsible for the proper disposal of the manhole bench debris. The costs associated with bench rehabilitation safety equipment, removal and/or proper disposal of the existing manhole debris shall be incidental to the appropriate RWRD Price Book Item.

A6-18b The Contractor shall develop a written procedure for permit-required confined space entries in strict conformance with OSHA and all local, state and federal safety standards. This procedure shall be signed in ink by an official authorized to bind the Contractor to its provisions and submitted for approval prior to physically accessing any active sanitary sewer line or related facility. Pima County Wastewater Management, Confined Entry Procedure, Dec 1994 (Available upon request) shall be followed for all permit-required confined space entries, and all personnel shall be familiar with these procedures.

A6-19 Pipe Point Repair:

A6-19a Pipe point repairs and sewer line replacements will be required throughout the duration of the contract. The Contractor shall field verify the location and extent of the repair, which are otherwise authorized by County. All excavation and new pipe installation related work shall be performed in compliance with County

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standards and specifications. The Contractor shall be required to remove all defective portions of the pipe by cutting the pipe perpendicular to the pipe axis. All repair materials should come from the approved product list.

A6-19b For point repairs on large diameter pipes for which solid profile pipe is not available, contact County for an approved list of pipe materials. The existing pipe shall be removed from the ground and properly disposed of at a Pima County landfill at the Contractor's expense. The new pipe shall be installed in the same location and at approximately the same slope in sand bedding per standard detail WWM 105. Where the pipe connects to manholes, a watertight seal shall be used such as link seals in combination with mortar. The pipe shall be air tested using the applicable ASTM Standards.

A6-19c For all other pipes, solid profile PVC pipe shall be used per the latest ASTM Standards. The existing pipe shall be removed from the ground and properly disposed of at an approved landfill at the Contractor's expense. The new pipe shall be installed in the same location and approximately the same slope per Pima County Standard Specifications. The Contractor is solely responsible for keeping the pipe to line and grade. Where the pipe connects to manholes, a watertight seal shall be used such as link seals in combination with mortar. Air testing may be required in certain circumstances, based on the project representative's direction, using the applicable ASTM Standards.

A6-19d Density tests, backfill specifications, and soil compaction shall be performed in accordance with Standard Specifications and Details for Construction.

Guidelines for compaction testing of backfill for small projects.

The following guideline shall apply to any public sewer facility construction or repair that does not fall under the requirements of SSDC Section 3.1.3.F Backfill Density Testing Procedures. This guideline is intended to address compaction of backfill for small projects, point repairs, and the construction of new manholes. Furthermore, this guideline is intended to ensure consistency in our compaction records.

Backfill material shall be compacted in lifts to attain a minimum of 95% standard proctor. Failure of backfill compaction test results will result in rejection of that portion of the work. The Inspector shall select test locations that are representative of the contractor's general backfill installation effort.

Trench Backfill

This guideline shall apply to each 100 feet or less of open trench excavation. Compaction tests shall be reported for each vertical two (2) feet of compacted backfill, commencing at approximately four (4) feet of compacted material above the top of pipe; and shall continue to the surface. For construction in paved roads, an additional test shall be performed to document that the aggregate base course has been compacted to 100% maximum density per PAG SSPI Section 303-3.02.

A6-20 Clean-Up:

A6-20a The Contractor shall keep the work area in a neat and orderly condition by frequent removal of debris. Upon completion of the lining process or sewer line replacement at each location, all debris and unused material shall be promptly removed from the area. The area will be left in a condition similar to, or better than, before the work was performed.

A6-20b The Contractor may be required to perform various landscaping and/or hydroseeding based upon individual project requirements and as directed by the County.

A6-21 Concrete Sidewalks and Curb:

A6-21a Concrete Sidewalks and Curb Removal and Replacement shall be done per PAG Standard Specifications and Details unless otherwise required by the local jurisdiction.

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A6-22 Property Damage:

A6-22a Any damage to County infrastructure or to private or public property will be immediately repaired or rehabilitated to County and/or the Property owner's satisfaction at no additional expense to County. The property owner and County (County) will be notified of the problem and the date of the repair. The property owner must acknowledge acceptance of the completed repairs by signing a form releasing the County and the Contractor from further claims.

A6-23 Punch List Items:

A6-23a The Contractor shall notify Pima County of any punch list items within 72 hours and correct any problems found within 14 days of discovery. The Contractor shall maintain an updated list of Punch List Items and shall submit it to County once a week. Delays in the completion of Punch List Items shall be grounds to stop the Job Order progress payment.

A6-24 Traffic Control

A6-24a The work under this section shall consist of providing flagging services and furnishing, installing, maintaining, moving, and removing barriers, barricades, warning signs, delineators, lights, signals, cones, pavement markings, impact attenuation devices, and other traffic control devices in order to provide safe and efficient passage through and/or around the work and protecting the public and workers from damage to person and property within the limits and for the duration of the project.

A6-24b All work shall conform to the requirements of the current edition of the Work Zone Standards and Guidelines published by the U.S. Department of Transportation, Federal Highway Administration as amended by the appropriate jurisdiction and, hereinafter, referred to as the traffic control standards for the protection of workers and the public.

A6-24c Traffic control, when required, shall be the Contractor's responsibility in strict accordance with each individual town, city, or jurisdiction's safety requirements and ordinances. When work takes place in the traveled portion of the public right-of-way such that, it is necessary to alter the normal pattern of traffic in order to safely accomplish the work, the Contractor, or its designated Subcontractor shall provide the required traffic control in accordance with PAG Standard Specifications unless required otherwise by the city or town where the work will be performed.

A6-24d The Contractor is advised that some Job Orders might be situated within the City of Tucson, Town of Marana, Town of Sahuarita, Town of Oro Valley, and City of South Tucson Right-of-Ways and as such, they will be under the jurisdiction of that city or town. All traffic plans and permits for those Job Orders shall be coordinated through that city or town as required. The Contractor shall prepare and submit a Traffic Control Plan to that city or town for their approval before commencement of work. Traffic control shall be in accordance with Section 701 of the most current version of the PAG Standard Details and Specifications for Public Improvements unless required otherwise by the city or town.

A6-24e Prior to the actual start of construction operations within a roadway, specific approval of traffic control, including possible detours, provisions for emergency services and public transportation access will be required. A copy of the approved traffic control plan shall be submitted to County. No separate payment shall be made for the preparation of traffic control plans. The cost shall be included in the overall cost of the project.

A6-24f COT has placed a recurring ban on traffic control (due to construction for example) on major Tucson traffic arteries during certain months (a portion of November, all of December, and a portion of January). The Contractor should verify the specifics of this ban with COT directly by calling Traffic Engineering, 520-791-4529. The COT Traffic Control Plan also applies to regular civic events including the Gem Show. COT evaluates the effect of project construction on the Gem Show on a case-by-case basis. The Gem Show occurs regularly during the third week of January through the first week of February. The Contractor is advised to verify the effect of the Gem Show restrictions on the Job Order construction, if any.

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A6-24g Contractor shall schedule Traffic Control and Flow Management during non-peak hours whenever possible, so as to best accommodate the neighborhoods and traffic flow.

A6-24h Failure to have an approved Traffic Control Plan (if required) on site at all times will result in the JO being shut down until the approved Traffic Control is on site.

A6-25 ***Section Reserved***

A6-26 ***General Field Procedures***

A6-26a The Contractor is expected to access system features within public right of ways or easements while at the same time respecting to the largest degree viable private property rights. The Contractor and/or its Subcontractors shall perform all their operations with diligent safety standards for themselves and the general public. To minimize disruption to the public, ingress and egress to manholes shall follow the public sanitary sewer lines to the points where it crosses public access.

A6-26b The Contractor shall make every effort to clearly identify its personnel, equipment, and vehicles as County authorized agents for this project. Contractor and Subcontractor field personnel shall wear safety vests at all times and carry a copy of the notification letter at all times.

A6-26c All attempts shall be made to respect non-standard access to private property, and utmost professional courtesy when contacting the general public. In addition to the proximity of private property, the Contractor may expect that the majority of the involved easements are heavily vegetated or landscaped. This situation should be expected especially in or around residential neighborhoods where public easements are not clearly marked or established, and some degree of landscaping encroachment shall be expected and tolerated by the Contractor. Vehicular access shall be controlled and limited to existing right-of-ways and access roads in order to avoid and minimize damaging the existing vegetation.

A6-26d If trimming of vegetation is required, it shall be limited to the smallest possible area around the system feature requiring the CIPP installation, and that area only. In this event, the Contractor shall fully comply with all applicable local, state, and federal vegetation and riparian codes, ordinances, and regulations. All trimmed or disturbed vegetation shall be removed from the area and disposed of in approved landfills or composting facilities at the Contractor's expense.

A6-26e The Contractor shall comply and follow all local, State and Federal safety, wildlife and vegetation conservation laws, codes, regulations, protocols and guidelines including but not limited to:

- ☐ Health, Noise, and Safety Regulations
- ☐ Dust Control Regulations
- ☐ Native Vegetation Ordinances
- ☐ Riparian Habitat Ordinances
- ☐ Endangered Species
- ☐ Flood Plain Ordinances

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A6-26f The Contractor or Subcontractor employees are expected to physically enter the active public sanitary sewer system at some point in the Job Order performance, the Contractor shall be responsible to inform its personnel of the fact that most of the field work in this contract is to be carried out on/within operating, active gravity sanitary sewer lines and related facilities (manholes, lift stations, meters). Confined entry certification shall be required for all personnel that might be in a position to work near, or enter any sanitary sewer feature. Any entry into the related sanitary manholes may involve, but not be limited to, exposure to one or more of the following hazards:

- ☐ Pathogenic microorganisms
- ☐ Oxygen-Deficient atmosphere
- ☐ Flammable atmosphere
- ☐ Toxic atmosphere
- ☐ Temperature extremes
- ☐ Engulfment hazards
- ☐ Excessive noise
- ☐ Slick or wet surfaces
- ☐ Falling objects
- ☐ Insects; including Bees, Spiders, Snakes, and Cockroaches
- ☐ Insect Pesticides
- ☐ Lifting heavy objects
- ☐ Climbing
- ☐ At the Pump Stations:
 - Old Sewage
 - Water depth at wet wells
 - Electrical Hazards

A6-26g The Contractor and Sub-Contractors shall maintain good housekeeping and cleaning practices at all times. Good general personal and equipment hygiene principles and protection shall be adhered to, and personal protection equipment (PPE) shall be available to all employees to prevent or minimize the exposure to raw sewage at all times. The Contractor shall comply with all applicable local, state, and federal safety regulations. Particular attention must be directed toward OSHA confined space entry rules. The Contractor shall develop a written procedure for permit-required confined space entries in strict conformance with OSHA and all local, state and federal safety standards. This procedure shall be signed in ink by an official authorized to bind the Contractor to its provisions and shall be submitted for approval to County prior to physically accessing any active sanitary sewer line or related facility. Pima County Wastewater management, Confined Space Entry Procedure (current version) shall be followed for all permit-required confined space entries, and all Contractor personnel shall be familiar with these procedures. The Contractor shall provide all equipment necessary to make an OSHA acceptable confined space entry. All costs associated with safety equipment and confined space entry(s) shall be considered appurtenant to the appropriate line item, and no additional payment shall be made for these costs. No entrance, for any reason, into the public sanitary sewage system's confined spaces shall occur without the expressed consent of County (Operations Division) and the utilization of the required safety provision. The written procedure shall include certification of training for all personnel assigned to the project.

A6-26h The Contractor shall provide a CONSTRUCTION SAFETY PLAN. A suggested outlined can be found in **Sub Appendix G**. The Contractor shall provide a knowledgeable, full time, safety officer to monitor and assure that all work is being performed in strict accordance with all applicable city, County, state, and federal safety standards and in strict compliance with the submitted CONSTRUCTION SAFETY PLAN. The safety officer shall be present at all times during construction activities.

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A6-27 *Scheduling of Work*

It shall be the Contractor's responsibility to schedule all activities so as to maximize the efficiency of its operations.

It is preferred, to minimize the interruptions and disruptions of each Job Order upon the neighborhood, that the Contractor coordinates all activities in sequence, as to prevent re-visiting the same area on a later date. As a minimum, the schedule shall consider the following:

- ☐ Affected jurisdictions
- ☐ Insure the procurement of all required excavation permits (If and where applicable)
- ☐ Traffic control plans and permit requirements where applicable/required
- ☐ Where applicable, contact all affected utilities located in the area
- ☐ Blue Stake for utility locations (If and where required)
- ☐ Access/Easements limitations or restrictions
- ☐ Additional public notifications for future operations (If required)
- ☐ Availability of pot-holing Contractor
- ☐ Availability of point repair Contractor
- ☐ Availability of manhole reconstruction/rehabilitation Contractor

A6-27a Existing Utilities

Under State Law (ARS 40-360-21) the Contractor is required to contact all utilities in order to determine the locations of their respective utilities prior to any excavation. The Contractor is responsible for any damages to existing utilities and will make any necessary repairs at his expense. The Contractor shall brace and/or support existing utilities as necessary to protect the existing facility from disturbance/damage.

A6-27b The Contractor shall contact Blue Stake (Arizona 811) two (2) working days prior to any excavation.

A6-27c The Contractor shall contact Tucson Electric Power Company at least ten (10) days prior to excavation within ten (10) feet of any power pole. Tucson Electric Power Company shall provide relocation or bracing of said pole.

A6-27d All gas line relocation required, including trenching, will be performed by Southwest Gas Corporation or their Contractor. Southwest Gas will determine actual location of new and/or relocated gas lines.

A6-27e Any required utility relocation shall be accomplished in cooperation with and to the satisfaction of the company or agency having jurisdiction over the particular utility. All costs associated with any utility relocation made by the Contractor shall be negotiated under PAG Standard Specifications section 109-5, Force Account Work. Where utilities are relocated by the utility owner or their representative, payment shall be made per utility relocation bill amount from the Utility Owner, with no markup allowed, out of the Utility Relocation Line Item.

A6-27f Any required water line relocation shall be performed by the utility or by Contractor at the utilities option. All water line relocation shall be in accordance with appropriate water utility Standard, Specifications and Details and ADEQ Bulletins.

A6-27g The Contractor shall maintain utility and sewer service during construction to all parties and establishments tributary to the work. The equipment, material and manner with which any required temporary sewer flow management is constructed shall assure continuous sewer service without spill or discharge of raw sewage during operation, installation or removal of the sewer flow management equipment. The Contractor shall submit a plan and associated details of any proposed flow management for review by County and the Engineer. See **SUB APPENDIX B** of this Contract for additional information.

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A6-28 Immediate Maintenance Requirements

The release of sanitary sewage is considered a violation of Federal Environmental Regulations, and can result in fines and criminal penalties from the Environmental Protection Agency (EPA). The highest priority of the Contractor shall be to insure the proper operation of the public sanitary sewer system.

During this subtask the Contractor shall identify and report to County any abnormal condition found on the system requiring maintenance. There are two categories of abnormal conditions, emergency and non-emergency. The difference is that emergency conditions affect the flow or public health and shall be reported immediately. The non-emergency conditions are all other conditions that, although abnormal, can be notified at the end of the day because they are not critical to the system's operation. When an emergency situation is found, the Contractor's responsibility is to report IMMEDIATELY to:

From 7:00 AM to 5:00 PM	County Operations Dispatcher: 520-724-3400

See **SUB APPENDIX B** for further requirements.

As a minimum, the following information shall be provided:

- ☐ Facility feature number
- ☐ Address
- ☐ Location
- ☐ How to access the area, and if there are any special conditions that the response team needs to know about the area (Private property, gates, fences, or vehicle size limitations)
- ☐ Best description of the situation

Emergency conditions include but are not limited to:

- ☐ Any release of any amount of Wastewater from the system is an emergency condition.
- ☐ Partial and full line blockages
- ☐ Surcharging manholes
- ☐ Collapsed structures (benches, crowns, and walls)
- ☐ Missing or damaged manhole covers, frames, and cement collars
- ☐ Bee Hives/Africanized Bee Attacks

Once notified, County personnel will make the determination of what actions are required.

In the event that it is determined that the Contractor failed to follow these notification procedures in **SUB APPENDIX E** by either neglect or lack of due diligence, resulting in County being sued or fined by any of the monitoring agencies, the Contractor will be charged for all associated costs (e.g. County mitigation, fines, legal costs).

A6-29 Grouting of Cavities

A6-29a Grouting will be required throughout the duration of the contract. The Contractor shall field verify the location and extent of the grouting, which are otherwise authorized by County. All grouting related work shall be performed in compliance with County standards and specifications.

A6-29b When the pipe rehabilitation is completed, grouting of any cavities between the new CIPP liner and the existing ground, shall be completely filled with a County approved, Controlled Low Strength Mix (CLSM) #1 grout. The grout can be injected through a cored hole from within the rehabilitated pipe or boring from the surface to the cavity to be pressure grouted.

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A7 RWRD Price Book Unit Measurement /Payment (Rev. 04-14-2026)

RWRD Price Book unit prices will include ALL COSTS (with the exception of sales taxes), including labor, materials, equipment, overhead, bonding, pre-construction, indirect costs, etc., incidental to performing the work and completing the Job Order with the exception of any Change Orders deemed necessary and directed by the Owner. Sales tax will be a reimbursable item based upon actual cost. Mobilization costs will be separate unit cost.

The amount of work to be done may be more or less than the estimated quantities and may be increased or decreased by the County as circumstances may require. The increase or decrease in any quantity shall not be regarded as grounds for an increase in the unit price or in the time allowed for the completion of the work, except as provided in the Contract Documents.

A7-1 RWRD Price Book (RWRDPB) Items:

RWRDPB Item Numbers 1-136: Furnish and Install CIPP Liner in Existing 6"- 78" Dia. Host Gravity Sewer Pipe: The pipe will be measured for payment along the center line of the pipe from the center of manhole to center of manhole. The respective unit prices specified to be paid, per LINEAR FOOT, of rehabilitated pipe, shall be compensation in full for furnishing all pipe, sewer fittings and other materials required for rehabilitating pipe lines by trenchless technology; for laying, setting, and jointing of all pipes and fittings; for all testing, including leakage tests; de-watering by any and all methods; any excavation, backfill and recompaction, pavement removal and replacement required to rehabilitate existing sewer main; all cleaning up; all labor, tools, and construction equipment; and for all other work and incidental expenses. Payment includes all costs for water required for liner installation and curing, all costs for root removal, applicable taxes, and public notifications.

Resin: The resin system shall be isophthalic polyester meeting the requirements of ASTM F1216, section 5.2 except as modified herein.

However, Pima County may allow the use of vinyl ester resin, along with the associated changes in design values for that type of resin, conditioned upon County review and approval by shop drawing submittal.

RWRDPB Item Numbers 137-376: Point Repairs, Line Replacements, and Associated Appurtenances: Measurement on this item shall be per point repair schedule for point repairs provided and installed. Payment shall be compensation in full for furnishing all materials (including engineered backfill if required), labor and equipment necessary to construct and install the point repairs and all required pipe or density testing as described in the Job Order and specifications, applicable taxes, and public notifications.

RWRDPD Item Numbers 377-391: Point Repair Couplings: Measurement on this item shall be per EACH coupling (Smith Blair or approved equal by County) installed complete.

RWRDPB Item Numbers 392-393: HCS Reinstatement for CIPP Method: Measurement on this item shall be per EACH reinstated HCS (house connection sewer) of the host pipe rehabilitated by the CIPP method. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the HCS reinstatement.

RWRDPB Item Number 394: HCS Reinstatement for Open Cut Method: Measurement on this item shall be per EACH for reconnection of existing, exposed, service connections to the sewer main. Reconnection of services to new pipe shall be accomplished via wye connection; reconnections to existing pipe can be accomplished via saddle connection (as approved by County). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the HCS reinstatement.

RWRDPB Item Numbers 395-407: Mobilization: Measurement on this item shall be by LUMP SUM for project mobilization for the applicable host pipe diameter range. Payment shall be compensation in full for furnishing all labor, materials, and equipment necessary to accomplish the project mobilization for a given Job Order using either the manhole installation, CIPP liner, or spot repair method, or a combination of one or more methods in one Job order. ***separate mobilization for CIPP, point repair, manhole rehabilitation manhole adjustment***

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Flow Management

RWRDPB Item Numbers 408-412: Flow Management Pumping Portion Mobilization: Measurement for this item shall be Pump Mobilized, for the transportation to the job site, site preparation, and pump/pipe connections of each pump and ancillary equipment determined to be required for successful flow management for completion of the Job Order in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide, transport to the site, and make necessary connections for the flow management pumps and ancillary equipment.

RWRDPB Item Numbers 413-428: Flow Management Pumping Portion: Measurement on this item shall be per Pump discharge hose diameter mobilized at the most economical rate (on hourly, daily or weekly rate) as the Job Order schedule requires. This item includes operating the pumps for the flow management pumping portion of the system, in accordance with the Job Order plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to, maintain and operate the flow management pumping portion of the system.

RWRDPB Item Numbers 429-433: Flow Management HDPE Piping and Materials Portion: Measurement on this item shall be per LF for providing, installing, and operating the flow management piping and materials portion of the system, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide, install, operate, flush and remove from the site the flow management piping and materials portion of the system per Job Order.

RWRDPB Item Numbers 434-436: Flow Management Aluminum Piping and Materials Portion: Measurement on this item shall be per LF for providing, installing, and operating the flow management piping and materials portion of the system, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide, install, operate, flush and remove from the site the flow management piping and materials portion of the system per Job Order.

Pavements

RWRDPB Item Numbers 437: Utility Trench Pavement Patch TYPE 1: Measurement on this item shall be per SY (square yard) for providing and installing pavement patch of Type 1 AC layer, per PAG Std Dtl 216, in accordance with the standard specifications for public improvements. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the installation of the pavement patch Type 1 including striping, markers, traffic control, and any removal and disposal of existing material required.

RWRDPB Item Numbers 438: Utility Trench Pavement Patch TYPE 2: Measurement on this item shall be per SY (square yard) for providing and installing pavement patch of Type 2, with 2-inch-thick AC layer, per PAG Std Dtl 216, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the installation of the pavement patch Type 2 including striping, markers, traffic control, and any removal and disposal of existing material required.

RWRDPB Item Numbers 439: Utility Trench Pavement Patch TYPE 3: Measurement on this item shall be per SY (square yard) for providing and installing pavement patch of Type 3, with 2-inch-thick AC layer, per PAG Std Dtl 216, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the installation of the pavement patch Type 3 including striping, markers, traffic control, and any removal and disposal of existing material required.

RWRDPB Item Number 440: Chip Seal Coat: Measurement on this item shall be per SY (square yard) for providing and installing chip seal coat per Section 404 of PAG Std Specs, and in accordance with the standard specifications for public improvements. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the installation of the chip seal coat including traffic control.

RWRDPB Item Number 441: Asphaltic Concrete Finish Course (Mix #3): Measurement on this item shall be per SY (square yard) for providing and installing the asphaltic concrete finish course (mix #3), with 2 inch thick layer incremental adjustment to the thickness stated in RWRDPB Items 1-3, per Section 406 of PAG Std Specs, and in

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accordance with the standard specifications for public improvements. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the installation of asphaltic concrete finish course (mix #3).

RWRDPB Item Number 442: Metal Plate (8' x 10' x 1"): Measurement on this item shall be per DAY for providing and installing the plate to the job site, applying cold mix around the plate as required, complete in place, and in accordance with the standard specifications for public improvements. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide installation and removal of the plate on site.

RWRDPB Item Number 443: Metal Plate (8' x 10' x 1"): Measurement on this item shall be per WEEK for providing and installing the plate to the job site, applying cold mix around the plate as required, complete in place, and in accordance with the standard specifications for public improvements. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide installation and removal of the plate on site.

Manholes & Bases – New

RWRDPB Item Numbers 444-451: Furnish and Install New Standard/Non-Reinforced Manhole Base 4' and, 5' Diameter: Measurement and payment on these items shall be at the unit price bid EACH, for the specified manhole base diameter. Payment shall be compensation in full for furnishing all materials, labor, and equipment necessary to furnish and install the base, complete. This shall include, but not limited to, compensation for any unforeseen obstructions of difficulties which may be encountered in construction of the base; for all excavation; pot-holing cost; placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup; hauling and proper disposal of debris at an authorized landfill; all disposal fees; costs for all other work and incidental expenses necessary to construct and install the manhole base as called for on the assigned Job Order and in accordance with County Standard Details and Specifications and the Contract Special Provisions.

RWRDPB Item Numbers 452-455: Furnish and Install New Reinforced Manhole Base 5'Diameter: Measurement and payment on these items shall be at the unit price bid EACH, for the specified reinforced manhole base diameter. Payment shall be compensation in full for furnishing all materials, labor, and equipment necessary to furnish and install the reinforced base, complete. This shall include, but not limited to, compensation for any unforeseen obstructions of difficulties which may be encountered in construction of the base; for all excavation; pot-holing cost; placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup; hauling and proper disposal of debris at an authorized landfill; all disposal fees; costs for all other work and incidental expenses necessary to construct and install the manhole base as called for on the assigned Job Order and in accordance with County Standard Details and Specifications and the Contract Special Provisions.

RWRDPB Item Number 456-458: Furnish and Install New Shallow Manhole: Measurement on this item shall be unit bid EACH, for the specified new 30" diameter shallow manhole. Payment shall be compensation in full for furnishing all materials, labor, and equipment necessary to furnish and install the shallow manhole, complete. This shall include, but not limited to, compensation for any unforeseen obstructions of difficulties which may be encountered in construction of the manhole; for all excavation; pot-holing cost; placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup; hauling and proper disposal of debris at an authorized landfill; all disposal fees; costs for all other work and incidental expenses necessary to construct and install the manhole as called for on the assigned Job Order and in accordance with County Standard Details and Specifications and the Contract Special Provisions.

RWRDPB Item Numbers 459-490: Furnish and Install New Manhole Material for 4' and 5' Diameter Manholes: Measurement and payment on these items shall be at the unit price bid per VERTICAL FOOT, for the specified manhole diameter within the specified range of depth, measured to the nearest tenth (0.1) of a foot of the manhole height. The manhole height shall be measured from the manhole base invert elevation to the top of the rim elevation. Payment shall be compensation in full for furnishing all materials, labor, and equipment necessary to furnish and install manhole material, complete. This shall include, but not limited to, compensation for the shaft, cone and/or flat top slab, grade rings, steps, and manhole frame and cover, complete; any unforeseen obstructions of difficulties which may be encountered in construction of the manhole material; for all excavation; pot-holing cost; placement and compaction of backfill material; for all testing including material testing and watertight testing; transportation of construction materials and excess materials; all cleanup; hauling and proper disposal of debris at an authorized

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landfill; all disposal fees; costs for all other work and incidental expenses necessary to construct and install the manhole materials as called for on the assigned Job Order and in accordance with County Standard Details and Specifications and the Contract Special Provisions

Manholes & Bases - Rehabilitate

RWRDPB Item Numbers 491-492: Rehabilitate and Coat Existing Manhole Base 4 or 5 Ft Dia (Std Dtl 200): Measurement on this item shall be per EACH existing 4- or 5-foot diameter rehabilitated and coated existing manhole base, complete, in place, per RWRD Std Detail 200, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the rehabilitated manhole base.

RWRDPB Item Number 493: Rehabilitate and Coat Existing Manhole Base 5 Ft Dia. (Std Dtl 200): Measurement on this item shall be per EACH existing 5-foot diameter rehabilitated and coated manhole base, complete, in place, per RWRD Std Dtl 200, in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to complete the rehabilitated manhole base.

Manhole - Coating

RWRDPB Item Number 494: Provide Protective Coating for Existing Manhole: Measurement on this item shall be per S.F. of existing manhole coated on its walls, ceiling, and riser sections, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the coating in the existing manhole, except the base and frame and cover.

RWRDPB Item Number 495: Provide Protective Coating for New or Existing Manhole Ring and Cover: Measurement on this item shall be per EACH new or existing manhole ring and cover section coated, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the coating on the manhole ring and cover.

Manhole - Frames & Covers

RWRDPB Item Number 496: Provide 14" Cleanout Frame and Cover: Measurement on this item shall be per EACH new cleanout frame and cover provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the new cleanout frame and cover.

RWRDPB Item Number 497-498: Provide 24" Dia. Manhole Frame and Cover: Measurement on this item shall be per EACH New 24-inch diameter manhole frame and cover provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 24-inch diameter manhole frame and cover.

RWRDPB Item Number 499-500: Provide 30" Dia. Manhole Frame and Cover: Measurement on this item shall be per EACH New 30-inch diameter manhole frame and cover provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 30-inch diameter manhole frame and cover.

RWRDPB Item Number 501-502: Provide 24" Dia. Waterproof Manhole Cover and Frame: Measurement on this item shall be per EACH New 24-inch diameter manhole cover and frame provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 24-inch diameter waterproof manhole cover and frame.

RWRDPB Item Number 503-504: Provide 30" Dia. Waterproof Manhole Cover and Frame: Measurement on this item shall be per EACH New 30-inch diameter manhole cover and frame provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 30-inch diameter waterproof manhole cover and frame.

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RWRDPB Item Number 505-506: Provide 24" Dia. Bolted Waterproof Manhole Cover and Frame: Measurement on this item shall be per EACH New 24-inch diameter bolted waterproof manhole cover and frame provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 24-inch diameter bolted waterproof manhole cover and frame.

RWRDPB Item Number 507-508: Provide 30" Dia. Bolted Waterproof Manhole Cover and Frame: Measurement on this item shall be per EACH 30 New inch diameter bolted waterproof manhole cover and frame provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the 30-inch diameter bolted waterproof manhole cover and frame.

Manhole - Concrete Collar

RWRDPB Item Number 509: Provide Standard Concrete Collar: Measurement on this item shall be per EACH new manhole concrete collar provided and installed, complete, in place, per County Standards, per RWRD Std Dtl 211. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the new manhole concrete collar.

RWRDPB Item Number 510 Provide Protective Concrete Collar: Measurement on this item shall be per EACH new manhole concrete collar provided and installed, complete, in place, per RWRD Std. detail 212 and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the new manhole concrete collar.

Manhole – Adjustment to Grade

RWRDPB Item Number 511: Adjust Existing 24" Dia. Frame and Cover for Brick Manhole: Measurement on this item shall be per EACH existing 24" diameter frame and cover for brick manhole adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to adjust the existing brick manhole to the grade specified. This shall include, but not be limited to, compensation for any unforeseen obstructions or difficulties which may be encountered in adjustment of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to adjust the existing manhole.

RWRDPB Item Number 512: Adjust Existing 30" Dia. Frame and Cover for Brick Manhole: Measurement on this item shall be per EACH existing 30" diameter frame and cover for brick manhole adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to adjust the existing brick manhole to the grade specified. This shall include, but not be limited to, compensation for any unforeseen obstructions or difficulties which may be encountered in adjustment of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to adjust the existing manhole.

RWRDPB Item Number 513: Adjust Existing 24" Dia. Frame and Cover for Reinforced Concrete Manhole: Measurement on this item shall be per EACH existing 24" diameter frame and cover for reinforced concrete manhole adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to adjust the existing precast manhole to the grade specified. This shall include, but not be limited to, compensation for any unforeseen obstructions or difficulties which may be encountered in adjustment of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to adjust the existing manhole.

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RWRDPB Item Number 514: Adjust Existing 30" Dia. Frame and Cover for Reinforced Concrete Manhole:

Measurement on this item shall be per EACH existing 30" diameter frame and cover for reinforced concrete manhole adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to adjust the existing precast manhole to the grade specified. This shall include, but not be limited to, compensation for any unforeseen obstructions or difficulties which may be encountered in adjustment of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to adjust the existing manhole.

Manhole – Reconstruction

RWRDPB Item Number 515: Reconstruct Existing Cleanout to Finished Grade: Measurement on this item shall be per EACH existing cleanout adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to reconstruct the existing cleanout to the grade specified and per County Standards and Appendix A – Engineering Resources. This shall include, but not be limited to, compensation for any unforeseen obstructions or difficulties which may be encountered in adjustment of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to reconstruct the existing cleanout.

RWRDPB Item Numbers 516-517: Reconstruct Existing 4 or 5 FT Dia. Brick Manhole to Finished Grade:

Measurement on this item shall be per VF (vertical foot) existing 4 or 5 ft diameter brick manhole barrel/cone section adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to reconstruct the existing brick manhole to the grade specified. This shall include, but not be limited to, compensation for new manhole barrel and/or cone section, new grade rings, new steps, for any unforeseen obstructions or difficulties which may be encountered in reconstruction of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to reconstruct the existing manhole.

RWRDPB Item Numbers 518-519: Reconstruct Existing 4 or 5 FT Dia. Reinforced Concrete MH to Finished Grade:

Measurement on this item shall be per VF (vertical foot) existing 4 or 5 ft diameter reinforced concrete manhole barrel/cone section adjusted to the finished grade, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to reconstruct the existing precast manhole to the grade specified. This shall include, but not be limited to, compensation for new manhole barrel and/or cone section, new grade rings, new steps, for any unforeseen obstructions or difficulties which may be encountered in reconstruction of the manhole; for pot-holing costs; all excavation of existing material and placement and compaction of backfill material; all material testing; transportation of construction materials and excess materials; all cleanup, hauling and proper disposal of debris at an authorized landfill; all landfill disposal fees; costs for all safety equipment; and all other work and incidental expenses necessary to reconstruct the existing manhole.

Manhole – Bench Rehabilitation

RWRDPB Item Numbers 520: 4-foot Diameter Manhole Bench Rehabilitation: Measurement on this item shall be per EACH manhole bench rehabilitated, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to rehabilitate the bench/channel(s) inside a manhole.

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RWRDPB Item Numbers 521: 5-foot Diameter Manhole Bench Rehabilitation: Measurement on this item shall be per EACH manhole bench rehabilitated, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to rehabilitate the bench/channel(s) inside a manhole.

Pot Holing

RWRDPB Item Number 522: Pot-holing: Measurement on this item shall be per VF (vertical foot) of required Pot-holing, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor, and equipment necessary to locate County facilities.

Excavation and Backfill

RWRDPB Item Number 523: Excavation & Backfill: Measurement on this item shall be per CY (cubic yard) for excavation and backfill, using native soil for backfilling, required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 0' to 4' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

RWRDPB Item Number 524: Excavation & Backfill: Measurement on this item shall be per CY (cubic yard) for excavation and native backfill for required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 4.1' to 10' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

RWRDPB Item Number 525: Excavation & Backfill Measurement on this item shall be per CY (cubic yard) for excavation and native backfill for required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 10.1' to 15' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

RWRDPB Item Number 526: Excavation & Backfill Measurement on this item shall be per CY (cubic yard) for excavation and backfill of AB material for tasks that required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 0' deep to 4' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

RWRDPB Item Number 527: Excavation & Backfill Measurement on this item shall be per CY (cubic yard) for excavation and backfill of AB material for tasks that required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 4.1' deep to 10' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

RWRDPB Item Number 528: Excavation & Backfill Measurement on this item shall be per CY (cubic yard) for excavation and backfill of AB material for tasks that required excavation and backfill that is not already addressed in another given RWRDPB Item, (use $CY = (Width * Length * Depth) / 27$ 10.1' deep to 15' deep). Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to accomplish the excavation and backfill work in accordance with the Plans and Specifications.

Concrete Work

RWRDPB Item Numbers 529-535: Concrete Sidewalks, Concrete Driveways, PCCP Concrete, and Curb Removal and Replacement: Measurement shall be per CUBIC YARD of existing concrete sidewalk and concrete curb removed and replaced "in-kind" in accordance with the Standard Specifications and Standard Details numbers 200, 203, 209, 211, and 213 complete, in-place. Payment shall be at the unit price and shall be compensation in full for furnishing all labor, materials and equipment necessary to accomplish the concrete sidewalk and/or concrete curb removal and

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replacement, inclusive of saw cutting, removal and proper disposal of debris at an authorized landfill, subgrade compaction; furnishing and placing forms; furnishing and placement of Class "B" concrete, providing proper surface drainage, protection of existing utilities and other sundry improvements and all other work necessary to complete the items in conformance with the Standard Specifications and Standard Details.

Miscellaneous

RWRDPB Item Number 536-537: Porta Potties Measurement on this item shall be per EACH WEEK for a porta potty provided and installed, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the porta potties.

RWRDPB Item Number 538: Grouting of Cavities: Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to inject grout; includes mobilization of grouting equipment, grout material and transportation of the material to the site, boring or coring to access the cavity, injection of the grout, complete in place, with no allowance for wasted material, repair of the cored pipe using a County approved method, repair of the bored surface opening by a County approved method, clean up and, demobilization of the equipment used.

RWRDPB Item Numbers 539-541: CCTV: Payment shall be made per linear foot of successfully televised pipe, complete, in place, to County Standards.

RWRDPB Item Numbers 542-547: Pipe Cleaning Payment shall be made per linear foot of successfully cleaned pipe, complete in place, to County Standards.

RWRDPB Item Number 548: Provide As-Built Documents: Measurement on this item shall be per SHEET for providing as built documents, sealed by an AZ Registered Land Surveyor, complete, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the required as built documents.

RWRDPB Item Number 549: Provide Construction Staking: Measurement on this item shall be per LINEAR FOOT for providing construction staking, complete, in place, and in accordance with the project plans and specifications. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the required construction staking.

RWRDPB Item Numbers 550: Asbestos Cement Pipe Removal and Proper Disposal: Measurement on this item shall be per TON for the removal and disposal of ACP, in accordance with all regulations regarding the approved procedures for removal and disposal of asbestos cement pipe materials. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to remove and dispose.

RWRDPB Item Numbers 551-554: Remove and Install Security Fencing: Measurement on this item shall be per LINEAR FOOT for the removal and/or installation of barb wire and chain link fencing, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to remove and/or install the required fencing.

RWRDPB Item Number 555-556: Remove and Install 20' Security Gate: Measurement on this item shall be per EACH 20' security gate that is removed and/or installed, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the required gate removal and replacement.

RWRDPB Item Numbers 557-558: Remove and Replace 6' and 8' CMU Wall: Measurement on this item shall be per SQUARE FOOT CMU wall that is removed and replaced, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the required CMU wall removal and replacement.

RWRDPB Item Number 559: Archaeological Monitoring: Measurement on this item shall be per HOUR as required, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the necessary monitoring services.

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RWRDPB Item Number 560: Hydroseeding: Measurement on this item shall be per ACRE for Hydroseeding services as required, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the Hydroseeding services.

RWRDPB Item Number 561: Shop/Engineering Drawings: Measurement on this item shall be per SHEET for providing Shop/Engineering Drawings as required, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the Drawings.

RWRDPB Item Number 562: Rip-Rap: Measurement on this item shall be per SQUARE YARD for providing D₅₀ 6" rip-rap as required, per County (*Blue Book*) standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the rip-rap.

RWRDPB Item Number 563: Install Survey Monument per Standard Detail RWRD 503: Measurement on this item shall be per EACH to provide and install Survey Monuments, per County standards. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide and install the Survey Monument.

RWRDPB Item Number 564: Provide miscellaneous services, construction materials and installation by Force Account: Measurement and payment for miscellaneous construction, materials and equipment required for work which is outside of the scope of the contract and not covered under a PRICE PROPOSAL line item shall be done as outlined in Section 109-5 EXTRA AND FORCE ACCOUNT WORK of the PAG Standard Details and Specifications for Public Improvements. Examples of such work are as follows: Force Main Repair, Flush Tank Removal, Lamp-hole Abandonment, Use of Approved Test Products (including UV Point Repair and Carbon-Fiber Manhole Coating), Surveying, Traffic Control, Permits, Utility Relocation, SWPPP, and Landscaping. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the required Surveying services. Work under this item must be authorized by County prior to the commencement of the work. This item will only be used as needed; all the monies for this item may not be spent during the course of construction on this project.

A8 ADMINISTRATIVE PROVISIONS:

It shall be the Contractor's responsibility to provide the requested services and to produce and assemble the documents described herein. The formal work relationship between the Contractor and County shall be maintained between the Contractor's Project Manager and County's Project Manager. This formal relationship shall include the passage of all written forms of correspondence, requests for information, notifications, submittals, and claims for payment.

A8-1 Availability of Applicable Information

The County staff will provide or coordinate the available information applicable to the work of the Contractor that is not otherwise available to the public. The Contractor shall make inquiries to the County Project Manager to resolve if possible, any inconsistencies or deficiencies found within the information supplied.

A8-2 Coordination and Approvals

It shall be the Contractor's responsibility to provide all coordination with involved utilities, governmental agency, private owner or company, and regulatory agencies with jurisdiction over the location of the project, and to resolve any issue requisite to providing the services and documents required herein.

A8-3 Quality Control

A8-3a The Contractor has total responsibility for the accuracy, timeliness and completeness of the work and the documents it is to furnish under this contract. County will review the submittals to determine if quality control procedures are being applied and if they are adequate and appropriate for the work presented.

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A8-3b Submittals of the work and supporting documentation thereof as provided below shall be accomplished by documentation, which shows the Contractor has established and is following quality control procedures. Such documentation may be in the form of copies of appropriate deliverables lists, tables, checklists, etc. which show columns for checking, revision, re-checking, and quality control reviews, as appropriate. Submittals to County not accompanied by documentation, which verifies the use of quality control procedures, may be returned to the Contractor if it appears to County that quality control procedures are not being followed. Documentation of the application of quality control procedures may be considered to be a requisite element of each review submittal.

A8-4 Submittals

A8-4a Formal submittals of the work are considered to be milestones. The submittals are due at the beginning of the requiring Phase. The Contractor shall conduct the work to complete the tasks in accordance with the respective approved schedules.

A8-4b The Contractor submittals for County approval or review shall include, but not be limited to the following:

Submittals Schedule		
Item No.	Description	Applicable Section
1.	Coating applicator's certifications and qualifications	After award
2.	Confined space entry procedures for the main Contractor's personnel and all Subcontractor's personnel requiring entrance to the sewage system (Cleaning, Manhole Rehabilitation, Manhole Reconstruction, Closed Circuit Televising (CCTV))	After award
3.	All relevant information for the proposed (CIPP) liner from the resin manufacturer (specifications, characteristics, properties, and methods of application). Ref: Cured In Place Pipe (CIPP) Specifications, Sub Appendix D.	After award
4.	Draft of Residents Notification Letter/Door hangers	After award
5.	Spill Prevention Plan	After award
6.	WO Schedule	Phase II
7.	Coating applicator's certifications and qualifications	Phase II
8.	Cleaning of Sewer Proposed Method Submittal	Phase II
9.	Copies of CCTV personnel National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) defect code usage	Phase II
10.	Design Data and Specification data sheet listing all parameters used in the CIPP design and thickness calculations based on Appendix XI of ASTM F-1216	Phase II
11.	Pricing based on Bid Schedule; this pricing will be stated as a computation of prices for each item times the quantity and will give an over-all Not To Exceed amount	Phase II
12.	Certified test report to demonstrate compliance of the proposed CIPP with the specified ASTM Standards	Phase II
13.	Manufacturers storage and handling instructions for the liner tube and resin	Phase II
14.	Installation, heating, curing, and cool-down schedule plan for each inversion	Phase II
15.	Resin manufacturer data sheet	Phase II
16.	Description of methods for avoiding liner stoppage during installation and plans for protecting downstream sewer that have previously been lined	Phase II
17.	Traffic Control Plan (If Required)	Phase II
18.	Resident Notification Letter for approval.	Phase II
19.	Submittal for seals and grouts.	Phase II
20.	Product specifications on inversion lubricants (if used)	Phase II
21.	Manhole rehabilitation coating products submittals	Phase II
22.	Manhole reconstruction shop drawings & material submittals	Phase II

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23.	Flow Management Plan	Phase II
24.	Point repair proposed procedures, materials, and shop drawings.	Phase II
25.	Personnel certifications for Confined Spaces, and Pump Operators	Phase II
26.	Photos and video of the proposed construction area (before construction)	Phase II
27.	Proposed lay down are for construction activities	Phase II
28.	Contractor daily reports	Phase IV
29.	A copy of the "wet-out" and "Cure" reports in an approved format immediately after curing of each liner is completed.	Phase IV
30.	Updated list of punch list items	Phase V
31.	Job Order Completion Report	Phase V
32.	Records and Digital Media documenting line cleaning and television inspection of completed work.	Phase V
33.	Actual resin volume used, and test results of infrared spectrum analysis conducted on each lot of resin.	Phase V
34.	Copy of cured liner samples test result reports	Phase V
35.	Photos and video of the proposed construction area (after construction)	Phase V
36.	Notification of any property damage	As Needed
37.	Monthly WO Meeting Minutes	Monthly Meeting

A8-5 Force Account

Work that is considered by county to be out of the scope of work of this contract shall be paid for as a force account item following PAG section 109-5 guidelines, unless agreed or specified otherwise within the contract documents.

A8-6 Invoicing and Payment

Contractor will submit to County, within a reasonable timeframe, invoices for payment in a format and method that is acceptable to County, including any itemization or formatting as required. Typically, invoices shall be submitted monthly, or within 30 days of project completion.

No payment shall be made for stored materials, unless specifically allowed for a specific item in a particular Job Order issued, in which case payment for the agreed stored material will only be made for the specific Job Order. The stored material shall be **owned** by the Contractor, no third-party payments will be processed.

A8-7 County Responsibilities

The County will perform the following functions during the execution of this Contract:

- ☐ Designate a Project Manager to direct the Contractor and serve as a single point of contact for all of the Contractor's formal contacts with the County. Said Project Manager may be changed by written notification to the Contractor;
- ☐ Secure the necessary reviews and approvals from County Staff reviewers
- ☐ Provide the required Notices-To Proceed without unnecessary delays
- ☐ Provide timely payment of the Contractor's reimbursement vouchers
- ☐ Provide copies of any relevant, available studies, reports, or other documentation prepared by or for County or other agencies which may bear on the work unless such studies, reports or documents have been published separately and are available publicly
- ☐ Provide the Contractor with all information stated to be provided the Contractor under this Contract.

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SUB APPENDIX A

ENGINEERING RESOURCES (1 Page)

Current Engineering Design Standards, Details and Directives are available at

<https://www.pima.gov/1812/Design-Standards-Specifications-Details>

and are hereby referenced as though incorporated herein.

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SUB APPENDIX B

PROCEDURES IMPLEMENTATION OF WASTEWATER FLOW MANAGEMENT (1 Page)

Wastewater Flow Management Goal: To provide for the uninterrupted flow of wastewater around the section or sections of pipe where construction work will be performed. To eliminate spills associated with bypass pumping operations and to contain and promptly clean up SSO's caused by flow management activities.

Current Engineering Design Standards, Details and Directives are available at

<https://www.pima.gov/1812/Design-Standards-Specifications-Details>

and are hereby referenced as though incorporated herein.

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Services

SUB APPENDIX C
RESIDENTIAL/BUSINESS NOTIFICATIONS (1 Page)

When interruption of customers sanitary service is required due to a Job Order, the contractor must follow the guidelines set in section 2.8 of the 2016 RWRD Standard Specifications for Construction.

Current Engineering Design Standards, Details and Directives are available at

<https://www.pima.gov/1812/Design-Standards-Specifications-Details>

and are hereby referenced as though incorporated herein.

If County determines that a neighborhood meeting is required, the Contractor and Pima County Wastewater Management shall jointly hold a neighborhood meeting a minimum of five (5) calendar days prior to commencement of work on the project. The Contractor's Superintendent and County staff shall be in attendance at the meeting. The purpose of the meeting is to discuss the parameters of the project, and how it will affect the neighborhood residents/businesses. Identification of special requirements for handicapped persons will be addressed.

Prior to commencing work, the Contractor shall notify all residents/businesses whose service connections will be interrupted by means of a bilingual door hanger, at least 48 hours in advance of the service interruption. This notification shall be in person, whenever possible, and shall include a pamphlet describing the Job Order, the method of construction, and the approximate date and length of time that the interruption of service will occur. The Contractor's proposed written notification shall be submitted to County for review and approval prior to distribution to the public. The Contractor shall confirm the notification again verbally, whenever possible, at least 24 hours before the interruption actually happens. The 24-hour bilingual notifications shall include an "Official Notification/Notificación Official" approved by the County. The Contractor shall maintain a notification log, which will include the date and time of the notification for all the involved properties, the contact person's name, or if no contact was made, that the information was left at the door. This notification log shall be submitted to County prior to construction.

During the course of the project, if the original time for the construction activity is accelerated or delayed, the Contractor will notify the County PM, Community Relations, as well as residents to commencement of any work schedule change 24 hours in advance.

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SUB APPENDIX D

CURED-IN-PLACE PIPE (CIPP) SPECIFICATIONS (23 Pages) & SPECIAL PROVISIONS FOR CURED-IN-PLACE SECTIONAL LINER (CIPSL) (Trenchless point repair for gravity sewer pipelines)

Dated December 2025

*These Special Provisions are Generic in nature and intended to apply to any and all Job Order Contracts

SPECIAL PROVISIONS-CURED IN PLACE PIPE (CIPP)

SECTION

SECTION 701 - PRIORITY OF SPECIFICATIONS

SECTION 702 - LOCATION OF WORK

SECTION 703 - DESCRIPTION OF WORK

SECTION 704 - EXISTING UTILITIES

SECTION 705 - WORK WITHIN RIGHTS-OF-WAY, PRIVATE STREETS, AND EASEMENTS

SECTION 706 - TEMPORARY UTILITIES

SECTION 707 - DAMAGE TO WORK DURING CONSTRUCTION

SECTION 708 - TRAFFIC CONTROL, DETOURING, AND ACCESS TO ADJACENT PROPERTIES

SECTION 709 - AS-BUILT RECORDS

SECTION 710 - NOTIFICATION OF WORK TO PROPERTY RESIDENTS/OWNERS

SECTION 711 - WASTEWATER FLOW MANAGEMENT PLANS

SECTION 712 - CLOSED CIRCUIT TELEVISION (CCTV) SPECIFICATIONS

SECTION 713 - CURED-IN-PLACE PIPE (CIPP) INSTALLATION PROCEDURES

SECTION 714 - CIPP MATERIALS

SECTION 715 - STRUCTURAL REQUIREMENTS

SECTION 716 - REHABILITATION OF EXISTING MANHOLES

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SECTION 717 - PAVEMENT REMOVAL AND REPLACEMENT

SECTION 718 - MISCELLANEOUS OTHER WORK SECTION 719 - MEASUREMENT AND PAYMENT

SECTION 720 - PERMITS AND SUBMITTALS

SECTION 721 - ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL

INTENT AND PURPOSE

Intent and purpose of these Special Provisions is to interpret and/or supplement all Pima County Regional Wastewater Rehabilitation Department (PCRWRD) Standard Specifications and Details for Construction 2022 Edition, PCRWRD Engineering Design Standards 2016 Edition, and the Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments, to the extent and in the manner referred to and to provide additional Specifications.

SECTION 701 - PRIORITY OF SPECIFICATIONS

In the event of any conflict, seeming or real, between these Special Provisions and the PCRWRD Standard Specifications and Details for Construction 2022 Edition, or the Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments, these Special Provisions shall prevail, and the order in which they govern shall be:

1. Special Provisions
2. Project Plans
3. PCRWRD Standard Details for Construction, 2022 Edition
4. PCRWRD Standard Specifications for Construction, 2022 Edition
5. PAG Standard Specifications and Details or Public Improvements, 2015 Edition with Amendments

The Contract Drawings which accompany, and form part of these Special Provisions bear the title "**Project Title and G/R Number**".

SECTION 702 - LOCATION OF WORK

This project is known as the "**Project Title and G/R Number**". The project is located within Sections **Project Specifics**, Pima County, Arizona. The project is bordered on the north by **Project Specifics**. The location is depicted in the Contract Drawings accompanying these Specifications.

SECTION 703 - DESCRIPTION OF WORK

703.1 The work to be performed consists of furnishing all materials, equipment and supplies, and performing all labor in connection with the rehabilitation of a sanitary sewer and other work shown on Plan No. **Project Specifics**, complete in place, in strict accordance with the Standard Specifications, Standard Drawings, Contract Documents, and these Special Provisions. One Contractor shall perform entire rehabilitation project utilizing one or more lining technology.

703.2 The rehabilitation work in this project shall include but not limited to:

- Flow Management
- Cleaning
- Close Circuit Television (CCTV)
- Point Repairs
- Cured-in-place pipe (CIPP)
- Manhole Rehabilitation
- Bench/Channel Rehabilitation
- Construction of Required Structures

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703.3 The rehabilitation consists of approximately **XX, XXX** linear feet of existing X, and XX-inch gravity sewer pipe and rehabilitation of approximately 100 manholes. The existing gravity sewer includes asbestos cement (AC), vitrified clay (VC), reinforced concrete pipe (RC), and ductile iron (DI) pipes, and reinforced concrete manholes.

703.4 The PCRWRD approved trenchless technology for this specific job is installation of a thermosetting resin-impregnated, felt fiber tube inserted, inflated, and water cured in the existing conduit, henceforth referred to as cured-in-place pipe (CIPP).

703.5 The PCRWRD approved manhole rehabilitation technology is **Project Specifics** coatings.

703.6 **Project Specifics:** There are X new manholes and XX feet of new x" (*polyvinyl chloride (PVC), reinforced concrete pipe (RCP)* gravity sewer pipe to be installed.

SECTION 704 - EXISTING UTILITIES

704.1 Under State Law Arizona Revised Statue (ARS 40-360-21) the Contractor is required to contact all utilities in order to determine the locations of their respective utilities prior to any excavation. The Contractor shall be responsible for any damages to existing utilities and shall make any necessary repairs at his expense. The Contractor shall brace and/or support existing utilities as necessary to protect existing facilities from disturbance and/or damage.

704.2 Contractor shall verify locations and elevations of all existing utilities prior to any construction. The Contractor shall call AZ 811 (Blue Stake) at 811 or 1-800-782-5348 two (2) full working days prior to any excavation. Saturdays, Sundays, and holidays are not considered to be working days. The Contractor shall provide the PCRWRD inspector a copy of the Blue Stake Ticket(s) and all utility coordination records performed for all required construction activities for this project at least two (2) working days prior to commencing work.

704.3 The Contractor shall contact Tucson Electric Power Company at least ten (10) working days prior to excavation within ten (10) feet of any power pole. Tucson Electric Power Company shall provide relocation or bracing of said pole.

704.4 All gas line relocation required, including trenching, will be performed by Southwest Gas Corporation or their Contractor. Southwest Gas Corporation will determine actual location of new and/or relocated gas lines.

704.5 Any required utility relocation shall be accomplished in cooperation with and to the satisfaction of the company or agency having jurisdiction over the particular utility. The Contractor shall be responsible for all costs associated with any utility relocation. The Contractor shall provide the PCRWRD inspector a copy of all utility plans and coordination records performed for all required construction activities for this project at least two (2) working days prior to commencing work.

704.6 Any water line relocation(s) required shall be performed by the Contractor or by the Water Company's Contractor. All existing water lines are part of the **Utility Specific** (*Tucson Water, Metro Water, etc.*). All water line relocation shall be in accordance with **Utility Specific** Standard Specifications and Details and Arizona Administrative Code of the Department of Environmental Quality (ACC ADEQ) Title 18, Chapter 5, except as modified on the Plans. See Section 709, "TEMPORARY UTILITIES" of these Special Provisions, regarding construction water for the project.

704.7 The Contractor shall maintain utility and sewer service during construction to all parties and establishments tributary to the work. The equipment, material and manner with which any required temporary sewer Flow Management is constructed shall assure continuous sewer service without spill or discharge of raw sewage during operation, installation or removal of the sewer flow management equipment. The Contractor shall submit a plan and associated details of the proposed FMP for review to PCRWRD in accordance with Section 2 of the PCRWRD Standard Specifications and Details for Construction 2022 Edition. See Section 712, "Wastewater Flow Management Plans" of these Special Provisions for additional information.

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SECTION 705 - WORK WITHIN RIGHTS-OF-WAY, PRIVATE STREETS, AND EASEMENTS

705.1 This work is to be done within existing public rights-of-way of Pima County and City of Tucson, private streets, and public sewer and utility easements, as shown on the plans. It shall be the responsibility of the Contractor to obtain any and all necessary permits to conduct the work within the rights-of-way shown in the plans, including any permits required for temporary pavement cuts within the roadway. The Contractor shall prepare and provide all required plans, including but not limited to traffic control and temporary sewage flow management. In addition, the Contractor shall provide dewatering plans if necessary should ground water be encountered. The Contractor shall provide the PCRWRD inspector a copy of all required plans and coordination records performed for all required construction activities for this project at least two (2) working days prior to commencing work.

705.2 The Contractor shall make every effort to minimize damage to existing improvements during all work operations. Any existing improvement which requires removal for work access shall be replaced "in kind" by the Contractor to the satisfaction of the right of way or easement owner. All costs associated with the above work within rights-of-way, private streets, and easements shall be included in pipe installation costs, except as provided for by specific items in the proposal. Any existing improvement which is damaged or removed by the Contractor outside the rights-of-way, private streets, and easements, shall be replaced "in kind" and to a condition equal to or better than the original at the Contractor's expense. The Contractor shall provide to the PCRWRD inspector a copy of all records related to the resolution of these situations including acceptance by the affected parties, any ancillary actions, remedies, and any other pertinent information/work related to the original incident within ten (10) working days after the work has been completed.

SECTION 706 - TEMPORARY UTILITIES

706.1 The Contractor shall provide, at no additional cost to PCRWRD, all construction power used at the site. He shall make all arrangements with the electrical utility for power takeoff points, voltage and phasing requirements, transformers and metering and shall pay all costs and fees arising there from. It shall be the Contractor's responsibility to provide all special connections required for his work.

706.2 The Contractor shall provide, at no additional cost to PCRWRD, all construction water used at the site. The Contractor shall make all arrangements with Tucson Water for water takeoff points and metering and shall pay all costs and fees arising there from. It shall be the Contractor's responsibility to provide all special connections required for his work. The Contractor shall make provisions for delivering the water from the connection(s) to the point(s) of use. The Contractor shall also be responsible for making provisions to locate water supply hoses below surface grade when it is necessary to extend hoses across roadways. For some above ground installations, the Contractor may consider using hose-wheel ramps to protect the hoses from vehicle traffic. The Contractor shall coordinate all hose installations within the right-of-way with Pima County or City of Tucson and PCRWRD. PCRWRD may require below grade placement at some locations independent of Pima County and City of Tucson requirements. The Contractor shall coordinate with the PCRWRD Field Engineering Unit (FEU) early in the coordination process to ensure the project-specific requirements of PCRWRD FEU are clearly understood and provisions made for implementation thereof. The Contractor shall provide the PCRWRD inspector a copy of all required plans and coordination records performed for all required construction activities for this project at least two (2) working days prior to commencing work.

SECTION 707 - DAMAGE TO WORK DURING CONSTRUCTION

The Contractor shall make every effort to prevent damage to the sewer and related appurtenances during construction. Any and all damage to the sewer and/or appurtenances resulting from negligence on the part of the Contractor shall be rectified by the Contractor to the satisfaction and approval of PCRWRD at the expense of the Contractor. It shall be the Contractor's responsibility to protect the sewer and related appurtenances from all reasonably foreseeable potentially damaging events until final approval and acceptance by PCRWRD.

SECTION 708 - TRAFFIC CONTROL, DETOURING, AND ACCESS TO ADJACENT PROPERTIES

708.1 The Contractor is advised that this project is situated within Pima County and City of Tucson Right-of-Ways and is under the jurisdiction of the Pima County and City of Tucson Departments of Transportation. All traffic plans and right-of-way permits shall be coordinated through the appropriate DOT. The Contractor shall prepare and submit

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a Traffic Control Plan to them for their approval before commencement of work. Traffic Control Plans shall be in accordance with the most current version of the *appropriate jurisdiction's* Standard Details and Specifications.

708.2 Prior to the approval of construction operations within a roadway, specific approval of traffic control, including possible detours, provisions for emergency services and public transportation access, will be required. A copy of the approved traffic control plan shall be submitted to the PCRWRD inspector at least two (2) working days prior to commencing work.

SECTION 709 - AS-BUILT RECORDS

709.1 The Contractor shall maintain a complete set of As-Built Record Drawings that are acceptable to PCRWRD. The As-Built Records shall be kept up-to-date throughout the project and will be available for examination by PCRWRD personnel and their representatives upon request.

709.2 Upon completion of sewer rehabilitation, the Contractor shall forward a complete set of As-Built Record Drawings to PCRWRD FEU in accordance with Section 1.4.7 of the PCRWRD Standard Specifications and Details for Construction, 2022 edition and ARS 32-152. The Contractor shall also identify locations of reinstated Active House Connection Sewer (HCS) openings. These drawings indicate deviations, including CIPP thicknesses less than that for fully deteriorated pipe, from Special Provisions, Plans, and Specifications. Contractor shall provide the Contractor's Completion Date and Contractor's Comments for each sewer reach on all of the plan sheets. Final approval and payment of the project will not be provided until after the As-Built Record Drawings are accepted by PCRWRD.

SECTION 710 - NOTIFICATION OF WORK TO PROPERTY RESIDENTS/OWNERS

710.1 The Contractor shall notify the property residents/owners within the area of the proposed work, using a PCRWRD approved Official Notification form. The notification process is usually done in three steps:

- An official notification form (Sample in Appendix A) sent by PCRWRD, usually 30 calendar days prior to start of work in all affected areas.
- An Official Contractor's notification sent by the Contractor, usually 3 calendar days prior to start of work in the affected areas.
- An official Door hanger (Sample in Appendix A) in the affected area, usually 24 hours before start of work in the affected areas.

All of the notifications shall be written in both English and Spanish languages and distributed to residents/owners

710.1 **Schedule and Notification Letter:** The Contractor shall develop a list of all the affected area residents and Mailings shall be prepared and sorted in compliance with United States Postal regulations. Residents/owner addresses are available on the Pima County Department of Transportation (PCDOT) GIS website.)

710.1.1 Due to the large area to be rehabilitated, the work shall be performed in sequence by areas. The Contractor shall present and submit for PCRWRD approval the proposed schedule along with mailing addresses of all affected residents/owners. Once the schedule and notification letter are approved by PCRWRD, the contractor shall hand-deliver or mail the notifications using stationary and envelopes from PCRWRD.

710.1.2 For the duration of the project, contractor field crews shall carry a copy of the notification letter at all times. The notification letter shall list a Contractor phone number for notification during the day as well as an "after-hours" cell phone number in the event of an emergency between the hours of 5:00 p.m. and 8:00 a.m.

710.2 **Public Meetings:** At the discretion of the Pima County PM, the Contractor and PCRWRD shall jointly schedule a minimum of one neighborhood meeting prior to commencement of work on the project. The Contractor's Superintendent, their subcontractors, and PCRWRD staff shall be in attendance at these meetings. The Contractor and PCRWRD shall jointly hold a public meeting by the affected areas 30 days prior to commencement of work on the project. The purpose of the meeting will be to discuss parameters of the project and impacts on neighborhood residents/businesses. Due to the large area to be rehabilitated, the work may be performed in sequence by areas and

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more than one meeting may be required. The contractor's superintendent, all their subcontractors, and PCRWRD staff shall be in attendance at the meeting(s). Requirements of special needs of individuals will be documented and addressed at the meeting.

710.3 Active Service Connections: Prior to commencement of work affecting tributary systems, the Contractor shall be responsible for determining locations of all active connections, then further identify any business, commercial, high flow, or any other service connections in which flow cannot be interrupted. CCTV records of most tributary reaches are available at PCRWRD Conveyance Division. If any discrepancies arise in the field, records are available to the contractor in PCRWRD Permits Section located on the 1st floor of the Public Works Building, 201 North Stone Avenue. If the information is not available in the Permits Section, the Contractor shall determine the locations by visiting the site, CCTV, dye testing, consulting with the owner/resident, or by other approved methods. The Contractor shall submit a proposed plan for maintaining uninterrupted use of these service connections for the Engineer's approval at least two (2) working days prior to commencing work.

710.4 Bilingual Door Hanger: By means of a bilingual door hanger (Sample in Appendix A), the contractor shall notify all residents/businesses whose service connections will be interrupted at least 24 hours in advance of the service interruption. This notification shall be in person, whenever possible, and shall include the approximate date and length of time that the interruption of service will occur. The Contractor's proposed written notification shall be submitted to PCRWRD for review and approval prior to distribution to the public. The Contractor shall confirm the notification again verbally, whenever possible, at least 24 hours before the interruption. The 24-hour bilingual notifications shall include an "Official Notification/Notificacion Oficial" approved by the PCRWRD.

710.5 Notification Log: The Contractor shall maintain a notification log, which will include the date and time of the notification for all involved properties, the contact person's name, or if no contact was made, that the information was left at the door. The notification log shall be made available to the PCRWRD inspector upon request.

710.6 Temporary Portable Restroom Facilities: The Contractor shall provide temporary portable restroom facilities at the beginning of and for the duration of the service interruption. These restrooms are for resident and business use only. The number of facilities shall be not less than one (1) portable restroom per four (4) residential units and one (1) portable restroom per business. The portable temporary restroom facilities shall be structurally stable, shall be kept clean, and shall include hand-washing stations. The Contractor shall accommodate the special needs including Americans with Disabilities Act (ADA) requirements, if any, for the continuance of sewer service of all the residents/owners.

If sewer service cannot be effectively/fully restored within 24 hours after interruption, physical flow management pumping for the house connection must be provided.

SECTION 711 - WASTEWATER FLOW MANAGEMENT PLANS

711.1 The sewer to be rehabilitated under this project is an active line in a deteriorated condition. The Contractor shall develop, and submit for PCRWRD approval, as many wastewater Flow Management Plans (FMP) as required to provide uninterrupted flow around the section or sections of pipe designated to be rehabilitated and are affected by the construction work.

711.2 The purpose of the FMP is to provide full unobstructed view of the interior of the line during the CCTV operations and allow maximum access to the sewer system to perform the required rehabilitation activities. All required FMP work shall be in accordance with Section 2 of the PCRWRD Standard Specifications and Details for Construction 2022 Edition.

711.3 Activities requiring FMP shall include but not limited to:

- Initial CCTV Pipeline Inspection and Condition Assessment
- Removal of line obstructions
- Cleaning
- CIPP Installation
- Post Inversion CCTV
- Manhole Rehabilitations

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711.4 The Contractor shall prepare and submit for PCRWRD approval one original and two copies of their wastewater FMP, showing the method for each affected reach of project sewer. Wastewater FMP submittals shall be made, before a Notice to Proceed is issued, to:

Field Engineering Manager
Pima County Regional Wastewater Rehabilitation Department
1313 S. Mission Road
Tucson, Arizona 85713

711.5. **Wastewater flow management operations shall not be performed by the Contractor until receipt of written approval from PCRWRD.** PCRWRD Field Operations (520-724-3400) and the affected treatment facility Tres Rios WRF (520-724-6100), Agua Nueva WRF (520-443-6464), must be notified at least 72 hours prior to commencement of any FMP.

711.6 The Contractor shall, at his expense, obtain all permits necessary for the installation and operation of the wastewater flow management equipment.

711.7 For wastewater FMPs gravity type designs are typically preferred over pumped type designs. However, the most appropriate type of wastewater flow management should be used for the project.

711.8 The flow management equipment shall be quiet running and shall be equipped with noise suppression apparatus, including, but not limited to sound boards and engine mufflers. Contractor shall be required to meet the noise abatement requirements of Pima County.

711.9 Prior to start of construction, the Contractor shall also prepare a Sanitary Sewer Overflow (SSO) spill prevention plan, to be included with his wastewater FMP submittal, and obtain plan acceptance from PCRWRD FEU.

711.10 For gravity type wastewater FMPs the following specifications apply:

- Show influent & discharge points with elevations & stationing on the design plans
- Survey, blue stake, and show the plan and profile on the design plans
- Design sewer pipe plugs for expeditious removal during startup testing

711.11 For pumped type wastewater FMPs the following specifications apply:

- Show suction & discharge points with elevations & stationing on the design plans
- Provide pump performance curves
- Submit calculations to verify suction lift of pumps has not been exceeded
- Suction lines shall be steel reinforced pipe or better
- Structural calculations are required for all aluminum pipe designs
- Use separate intakes for each pump with debris control
- Intake manifolds are not acceptable
- Provide adequate intake line spacing (center to center) to avoid vortexing
- Provide high level alarm notification to pagers or cell phones
- Discharge manifolds are acceptable
- Provide redundant air release valves and discharge force mains
- Provide multiple fuel tanks with 24 hours of fuel supply
- Provide containment under each pump and manifold
- Protect discharge piping from vandalism and vehicular damage
- Discharge lines refer to section 2 Wastewater Flow Management part IV

711.12 The Contractor shall be responsible for insuring that there is no unauthorized discharge or spill of raw sewage as a result of the flow management operation. In the event of a sewage spill the Contractor shall:

- Notify the PCRWRD Field Operations Division (520-724-3400)

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- Be responsible for the prompt cleanup and disinfecting of the spill using an on-site disinfectant meeting EPA and PCRWRD specifications for SSO mitigation to the satisfaction of the PCRWRD Operations Manager.

711.13 In cases where the Contractor is not in compliance with mitigation efforts, any assistance provided by PCRWRD will be billed to the Contractor. The Contractor shall compensate PCRWRD for the cost of any fines levied as a result of a spill or unauthorized discharge.

711.14 For information regarding measured sewage and storm flows in the subject sewer line, the Contractor shall contact PCRWRD Metering Section at (520) 724-6180. The Contractor shall be responsible for verifying this information and then providing a sufficient number of pumps to handle the normal peak flows with additional reserve capacity to handle wet weather flows and pump malfunctions.

711.15 The Contractor shall provide backup pumps equal in number to 50% of the number of pumps being used and of the same discharge capacity. Any fractional number of pumps shall be rounded up to the next higher whole number. Flow management pumps shall be manned 24 hours per day. No unattended operation will be permitted. The Contractor shall be responsible for the periodic inspection of the flow management pipelines and shall provide a written log documenting the time of each inspection in accordance with Section 2.6.2.b, of the PCRWRD SSDC 2016 edition.

711.16 "Lay-flat" hoses are not authorized. Where flow management pipelines cross existing paved residential roads, a ramp over the pipes will be constructed or other arrangements made to insure that local access is maintained to homes and businesses. A minimum of 12 inches of cover will be provided over the top of the flow management pipelines located in areas where vehicular traffic must cross over them. This cover requirement may be reduced if approved in writing by PCRWRD, after the Contractor submits an acceptable cover design. The pipelines at the crossing shall be designed for an H-20 truck loading and have a slope that will permit large tractor trailer and fire apparatus to cross over the ramp safely.

SECTION 712 - CLOSED CIRCUIT TELEVISION (CCTV) SPECIFICATIONS

712.1 The CCTV Contractor shall be a qualified firm experienced in televised inspection of sanitary sewers. All inspection of pipelines shall be in color format performed by NASSCO certified personnel trained in locating breaks, obstacles and service connections by closed circuit television (CCTV). A copy of the training certificates shall be submitted to the PCRWRD inspector at least two (2) working days prior to commencing work. All CCTV inspection of pipelines shall be performed while the pipeline is dry with no flows in the pipeline to provide full unobstructed view of the interior of the line during the CCTV operations. The CCTV Contractor shall perform all support activities related to the rehabilitation efforts for this project to include but not limited to:

- Initial Inspections and Pipeline Assessment, requirement validation
- Cleaning and Pre-Inversion Video
- Post-Inversion Video

712.2 The Contractor shall provide for the uninterrupted flow of sewage around the section or sections of pipe designated for pre and post-CCTV work so that a full, unobstructed view of the pipeline and newly installed liner can be obtained. The camera shall be properly setup so that it is approximately in the center of the pipeline and that the lighting is attenuated such that it will produce an accurate image of the finished CIPP. If accumulated sediments are suspected or if so determined by the PCRWRD representative, the Contractor shall clean the sewer line in order to facilitate an accurate and reliable camera operation. If the Contractor does not have the cleaning capability, then it shall engage a qualified firm experienced in flushing of sanitary sewers to perform the work.

712.3 All video recordings shall be formatted to be compatible with the latest version of Granite XP in use by PCRWRD, in full color format, conform to current NASSCO-PACP standards, show the entire reach, and be of sufficient quality to clearly detect imperfections and/or defects in the installed liner. At a minimum, the CCTV equipment shall consist of a pan and tilt color camera, with an optic zoom, capable of illumination and recording features. The camera shall be a tractor capable of centering the camera in the center of the pipeline. **The required software** for this contract is **Pioneer/Sewer AI** (Version of NASSCO shall be determined by PCRWRD). PCRWRD

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will assist contractors and Sewer AI/Pioneer with agency specific requirements to be used on any Pima County inspections. **No substitutions will be allowed.**

712.4 The Contractor shall meet with PCRWRD Conveyance personnel to validate these requirements and procedures before project start. The project superintendent, CCTV Foreman, and the CCTV operators shall be present.

712.5 **Initial Inspection and Assessment of Pipelines:** The interior of the pipeline(s) shall be carefully inspected to determine the location of any conditions which may prevent proper installation of the proposed liner into the pipelines. Any conditions which may prevent proper insertion of the liner shall be noted and corrected prior to proceeding with liner installation. During inspection of the pipeline interior, the locations of any service connections shall be noted and accounted for on the log sheets.

712.6 **CCTV Lengths:** The following is an estimate of the total lengths of CCTV requirement for the project:

Pipe Diameter (in inches)	Total Reach Length (LF)
15"	5,123
18"	3,517
21"	278
24"	571
27"	7,998
30"	11,972
33"	12,856
36"	9,519
TOTAL LENGTH	51,834

712.7 **Sewer Inspection Reporting:** At the completion of the project the Contractor shall provide PCRWRD with one (1) copy of the CCTV indexed videotapes and paperwork forms for each trunk/interceptor, with a final Project Summary report with the video inspection on CD-ROMs. The report will serve as a reference book for the project and for future engineering evaluation. The report shall contain the following elements:

1. Cover page identifying the subject sewer(s) in the report and the dates of CCTV work;
2. Base map identifying the general location of the sewer lines in the report;
3. Reference map identifying the report subsections as a part of the whole report along with the corresponding Project As Built Drawings sheets from the Project Plans;
4. Labeled tabs for each subsection;
5. Reference list of all reaches (using PCRWRD identifiers) in the subsection, in the order of upstream to downstream, with a comment column to document any major issues with each reach, and a column identifying the media number it resides on;
6. List of all digital media numbers and a subheading of all reaches contained in each unit in recorded order;

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7. List of all reaches with a subheading of all digital images recorded for that reach;
8. Copies of all CCTV logs acquired for that subsection, in the order of the reference list.

712.8 Report Deliverable: Report deliverables will be in a digital format and submitted with CCTV videos.

712.9 Final Summary Report: The final report shall summarize the entire project, including a time-line of start and completion dates for the CCTV work detailed in each separate report. All contract issues, project difficulties, scheduling problems, or other specific information relating to the execution of this contract shall be communicated and summarized. Receipt of the final report shall constitute completion of the project.

SECTION 713 - CURED-IN-PLACE PIPE (CIPP) INSTALLATION PROCEDURES

713.1 Specification for CIPP: This section covers the rehabilitation of pipelines and conduits by the installation of a resin-impregnated flexible tube that is inserted and inflated into the original conduit by use of a hydrostatic head air pressure or mechanically inserted. When cured by hot water or steam or U.V. light, the finished CIPP pipe shall be continuous and formed to the original pipeline or conduit.

713.2 NASSCO/ASTM's References: This specification references NASSCO, ASTM F1216, ASTM F1743, ASTM F2019, CIPP Installation Specifications which is made a part hereof by such reference and shall be the latest edition and revision thereof. NASSCO, ASTM F1216, ASTM F1743, ASTM F2019, CIPP Installation Specifications shall govern when this specification does not address installation methods and materials. If there is a conflict between NASSCO, ASTM F1216, ASTM F1743, ASTM F2019, CIPP Installation Specifications and this special provision, this special provision shall govern.

713.3 Safety: The Contractor shall insure that all personnel are aware of the potential for pipeline collapse before commencing work and shall take appropriate safety precautions to protect both the workers and the pipeline. The Contractor shall carry out his operations in strict accordance with all applicable OSHA standards and shall be responsible for providing a safe work environment at the work site. Prior to issuing the project's Notice to Proceed the Contractor shall develop and submit a written plan covering procedures for confined space entry and styrene protection and require all personnel, including subcontractors involved with the project, to be familiar with it in strict accordance with OSHA and all local, state, and federal safety standards. These plans shall be signed in ink by an official authorized to bind the Contractor to its provisions and shall be submitted for PCRWRD FEU approval prior to physically accessing any active sanitary sewer line or related facility. The plan shall include certification of training for all personnel assigned to the project.

713.3.1 Confined Space Entries: Particular attention is drawn to those safety requirements involving working with confined space entries. All Contractor and subcontractor personnel shall be made aware of the fact that work for this project is to be carried out within an operating gravity sewer line(s). Any entry into the sewer line(s) or appurtenant manhole(s) may involve but not be limited to exposure to one or more of the following hazards:

- ☐ Pathogenic microorganisms
- ☐ Oxygen-deficient atmosphere
- ☐ Flammable atmosphere
- ☐ Toxic atmosphere
- ☐ Temperature extremes
- ☐ Engulfment hazard
- ☐ Excessive noise
- ☐ Slick or wet surfaces
- ☐ Falling objects

No entrance, for any reason, into the public sanitary sewage system's confined spaces shall occur without the expressed consent of PCRWRD's Conveyance Division and the utilization of the required safety provisions.

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713.4 Safety Equipment: The Contractor shall be responsible to provide all required equipment to carry out his operations in strict accordance with all applicable OSHA standards and shall be responsible for providing a safe work environment at the work site. In addition to the confined space entry requirements the Contractor shall provide monitoring of styrene concentrations in all enclosed or partially enclosed work spaces during construction operations and maintain a monitoring log to demonstrate to PCRWRD FEU that employees are NOT exposed to concentrations of styrene which are above the OSHA limits for the time weighted average (TWA) or short term exposure levels (STEL). **The monitoring log shall be made available to the PCRWRD inspector upon request.**

713.5 Work Site Air Quality Monitoring: In addition to the confined space entry monitoring requirements, the Contractor shall also monitor the work site and maintain a monitoring log for styrene migration. In accordance with Title 17, Air Quality Control, of the Pima County Code, the Contractor shall comply with air monitoring of the work site during the installation of the CIPP, to test for any offsite migration of styrene. The Contractor shall contact Pima County to verify these requirements. **The monitoring log shall be made available to the PCRWRD inspector upon request.**

713.5.1 Odor Mitigation: In addition to the monitoring the Contractor shall consider using the following styrene odor mitigation techniques:

713.5.1.1 Hydraulic turbulence increases the rate of release of dissolved gases, release the heated cook water slowly to reduce/avoid hydraulic turbulence.

713.5.1.2 Lower the liquid temperature of the cook water before the release to inhibit styrene gas from escaping into the sewer atmosphere. This could be the result of either increased solubility of styrene gas or liquefaction of the styrene gas (phase change) at the lower cook water release temperature.

713.5.1.3 Use of blowers (fans) mounted over downstream manholes to pull out contaminated sewer atmosphere and release at street grade level. This will prevent the contaminated sewer atmosphere from finding an unprotected HCS line and migrating into a residence or business. A dry p-trap would cause an unprotected HCS line.

713.5.1.4 Addition of food flavoring to the resin or any PCRWRD approved masking agent.

713.6 Existing Pipe Condition: The sewer to be rehabilitated under this project is in a fully deteriorated condition. The Contractor shall insure that all personnel are aware of the potential for collapse before commencing work and shall take appropriate safety precautions to protect both the workers and the pipe. All inspection and obstruction removals/corrections of pipelines shall be performed while the pipeline is dry with no flows in the pipeline. The Contractor shall follow all FMP requirements as per Section 712, of these Special Provisions and the latest PCRWRD Standards.

713.7 Inspection and assessment of Pipelines: All inspection of pipelines shall be performed by NASSCO certified personnel trained in locating breaks, obstacles and service connections by closed circuit television (CCTV) in accordance with Section 712, of these Special Provisions and the latest PCRWRD Standards.

713.8 Line Obstructions: It shall be the responsibility of the Contractor to clear the line of all obstructions such as solids, offset joints, protruding service connections, protruding mortar at joints or service connections, protruding reinforcement steel bars, or collapsed pipe that will prevent the insertion of the liner. If inspection completed by Field Engineering Inspector reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, then, upon receipt of written approval and direction from the PCRWRD PM, the Contractor shall make a point repair excavation to uncover and remove or repair the obstruction. Payment for point repairs shall be in accordance with Section 109, Extra and Force Account Work, of the PAG Standard Specifications for Public Improvements.

713.9 Cleaning of Sewer Line: It shall be the responsibility of the Contractor to remove all internal debris, roots, and other material from the sewer line as a result of the removal of all obstructions found during the initial inspection. The Contractor is responsible for determining the appropriate method of cleaning based on the condition of the existing pipe. The cleaning shall be performed accompanied by the CCTV camera to insure a clean line. The pre-insertion videos and log sheets shall be submitted to PCRWRD FEU for review prior to receiving a notice-to-proceed (NTP) from PCRWRD for the particular insertion work.

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713.9.1 Pipes with T-Lock Lining: For pipes with diameters of between 30"- 42", the Contractor shall remove minimum 5' of the T-Lock liner at each end. This is to assist in the mechanical lock of the CIPP liner to the host pipe.

713.10 Monitoring Temperatures and Curing: Temperature sensors shall be placed at the upstream and downstream ends of the reach being lined to monitor the pressurized fluid's (air or water) temperature during the curing process.

713.10.1 To monitor the temperatures inside the liner walls and to verify proper curing, temperature sensors shall be placed between the host pipe and the liner in the bottom of the host pipe (invert) throughout the reach to record the heating and cooling that takes place on the outside of the liner during processing. The sensors shall be spaced apart at intervals no greater than 20 feet for pipe sizes up to 15-inches in diameter; and no greater than 10-feet for pipe sizes 18-inches and larger. Additionally, sensors shall be strategically placed at points where a significant heat sink is likely to be anticipated. The monitoring of these sensors shall be by a small computer which can record the temperatures at this interface throughout the processing of the CIPP utilizing a tamper-proof database. The proposed temperature sensor monitoring system and related software shall be as manufactured by ZIA Systems (www.ziasystems.com/) or approved equal.

713.10.2 Prior to installing the liner in the host pipe, the temperature monitoring system's proper functioning shall be confirmed by hooking it up to the computer and seeing that the sensors are reporting their ambient temperatures. No more than two sensors in sequence can be found faulty during this test. If three or more sensors in sequence are discovered faulty, a new sensor array shall be pulled into the host pipe replacing the previously installed array; and the new array shall be again tested for its proper functioning. **The sensor monitoring system function confirmation report shall be made available to the PCRWRD inspector upon request.**

713.10.3 Felt Curing: The resin system shall be installed per the directions of the CIPP System Manufacturer of the CIPP product. Refer to ASTM F1216, ASTM 1743 and NASSCO Cured in Place Pipe Installation Guideline.

713.10.4 UV Curing: The UV system shall be installed per the directions of the CIPP System Manufacturer of the CIPP product. Refer to ASTM 2019 and NASSCO Cured in Place Pipe Installation Guideline.

713.10.5 Pipes with T-Lock Lining: In sections where the host pipe has T-Lock liner, the contractor shall allow the water curing temperature to drop to 90°F before releasing the water, to aid with the anchoring/locking of the CIPP liner to the host pipe and decrease the possibility of shrinkage of the installed CIPP liner.

713.11 Wet out Logs: The Contractor shall make available to the PCRWRD Inspector the wet-out logs (either from the plant, over the hole, or on-site facilities) for all inversions during this project. At a minimum, logs shall include:

- ☐ Project Name and Number,
- ☐ Date of wet out, dry liner thickness, dry liner length and length after wet out,
- ☐ Length of time for the preparation, mixing, and filling time, including the total time from preparation to storage of the wet-out liner,
- ☐ The diameter of the liner, total weight in pounds of the mixture, and the total weights of the materials used to make the resin and how many ponds per lf were injected,
- ☐ Liner inversion number, resin batch number used for the impregnation,
- ☐ The reaches included in the inversion with the appropriate MH numbers and the size of the pipelines being rehabilitated.

The wet-out logs shall be made available to the PCRWRD inspector upon request.

713.12 Tube Installation: The tube material shall meet the requirements of ASTM F1216, Section 5. The tube shall be sized for the final position in the pipe and shall be fabricated to a size that when installed will form to the internal circumference and length of the original pipe with no noticeable bulges or folds present. Allowance should be made for variations in internal pipe diameters and circumferential stretching during inflation. Stretching and cutting of liner shall be within the range of the manufacturer's recommended tolerances. Should inserted liners at the beginning of the project indicate excessive bulges or folds, PCRWRD shall be permitted to request changes in the Contractors tube fabrication to eliminate said defects.

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713.12 CIPP Sample Collection: The Contractor shall prepare a minimum of 1 sample of the CIPP from each insertion of CIPP that is undertaken. Samples for CIPP liners 18" or greater in diameter shall be either a restrained or plated sample. All CIPP samples shall be properly marked with the date of inversion or insertion and the inversion or insertion number, once the sample is removed from the source. The PCRWRD inspector must be present during all sample taking. Sample testing shall be compliant with ASTM F 1216, Section 8, or NASSCO Cured in Place Pipe Installation Guideline as applicable. The samples shall be tested for thickness and initial physical properties as per Section 715.9 of these Special Provisions. A certified copy of these test results shall be delivered within ten (10) days of the inversion to the PCRWRD Inspector.

713.12.1 For small line (<18") projects, restrained samples shall be produced by lining through a short piece of pipe of the same diameter of the existing sewer. The form must be maintained in a reasonably horizontal orientation with a proper heat sink (i.e. sandbags). Each sample shall be cut in half, and each half shall be signed and dated by both the Contractor and PCRWRD Inspector. The Contractor shall retain one signed sample and provide the other signed sample to the PCRWRD inspector. The Contractor shall submit their samples to a laboratory for testing. The sample shall be taken preferably from an intermediate manhole or the receiving manhole.

713.12.2 For large line (≥ 18") projects, the length of the sample form shall be a minimum of two times and preferably three times the sample length required by the testing lab. The flat plate samples shall be taken directly from the wet-out tube, clamped between flat plates, and cured in the downtube. Each sample shall be cut in half, and each half shall be signed and dated by both the Contractor and PCRWRD Inspector. The Contractor shall submit their samples to a PCRWRD pre-approved laboratory for testing.

713.13 Project Specific: Reinstatement of House Connection Sewers: After the curing of the CIPP is complete and inspected, existing house connection sewers shall be re-opened without excavation, utilizing a remotely controlled cutting device, monitored by CCTV. The cut liner shall have no jagged edges and shall be trimmed smooth and meet NASSCO Specifications for reinstatement of services. **Project Specific** The contractor shall provide as approved by RWRD Project Manager and or Inspection Staff "Top hat" seal, recommended by the lining manufacturer, at each house connection sewer deemed not to meet NASSCO Specifications for Connection Reinstatement so that no leakage of fluids may infiltrate between the liner and the existing sewer pipe surface. The Contractor shall have a minimum of two (2) complete functional cutters plus key spare components on the jobsite before each installation or in the immediate area of the jobsite that can be quickly obtained. **Existing capped house connection sewers shall not be re-opened** unless directed by the Engineer or his authorized representative, all existing house connection sewers shall be reinstated. No additional payment shall be made for excavations for the purpose of re-opening existing house connection sewers unless prior approval is obtained from the Project Manager. The Contractor shall be responsible for all costs and liability associated with any excavation and house connection restoration work not approved by the Engineer.

713.14 Project Specific Demonstration Section(s): Prior to embarking on the entire CIPP project the Contractor shall install CIPP in at least one sewer reach test section determined by the PCRWRD PM to demonstrate the Contractor's understanding of PCRWRD's acceptable criteria. This demonstration section work shall include cleaning, pre-installation CCTV, liner installation, post CCTV, and submittal of a post-installation video recording and a sample of the completed CIPP test section. Upon acceptance of the demonstration section(s) by the PCRWRD PM, the Contractor may proceed with the project.

713.15 Post-Installation Inspection: In addition to physically sampling the finished CIPP and upon completion of each CIPP sewer reach, the Contractor shall conduct a post-installation CCTV quality control assessment of the completed work in accordance with Section 712 of these Special Provisions. The CCTV inspection should be used to confirm tightness of the fit of the CIPP to the host pipe and to identify any imperfections or conditions in the new CIPP. The flow shall be bypassed during the post-TV work so that a full, unobstructed view of the newly installed liner can be obtained. The camera shall be properly setup so that it is approximately in the center of the pipeline and that the lighting is attenuated such that it will produce an accurate image of the finished CIPP. PCRWRD may require a FEU Inspector present during the post-CCTV recording. The finished liner shall be continuous over its entire length and be free from visual defects such as foreign inclusions, dry spots, holes, wrinkles, seam separation, discoloration, and delamination. All observed conditions shall be logged using the same standardized coding system (NASSCO) as was used for the pre-TV survey. A copy of the Post-Inversion CCTV survey, including the coding log, shall be delivered to the PCRWRD Inspector and Project Manager by electronic media.

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713.15.1 Once the liner insertion and curing process is completed for a sewer reach deemed acceptable by the Contractor, the Contractor shall present the PCRWRD inspector, within two (2) working days of liner completion, the CCTV video recordings of all acceptable CIPP installation and suitable logs for evaluation.

713.15.2 If after the liner insertion and curing process is completed for a sewer reach, the reach is deemed unacceptable by the Contractor using NASSCO CIPP Installation Specifications, the Contractor, within five (5) working days of liner completion, shall submit a written statement to PCRWRD of a list of defects within the sewer reach and proposed corrective measures of the defects for PCRWRD review/acceptance

713.16 Any defects which will affect the integrity or strength of the CIPP or adversely affect the hydraulic capacity of the CIPP shall be repaired or replaced at no cost to PCRWRD. These defects shall be repaired or liner replaced, at the discretion of PCRWRD Project Manager, per liner manufacturer's recommendations by the Contractor at no cost to PCRWRD.

713.16.1 **Finish:** The finished CIPP shall be continuous over the entire length of an insertion run and be as free as commercially practicable from visual defects such as foreign inclusions, dry spots, pinholes, wrinkles, seam separation, discoloration, and delamination. During the warranty period any defects which will affect the integrity or strength of the CIPP shall be repaired at the Contractor's expense, in a manner mutually agreed by PCRWRD and the Contractor. Methods of repair shall be proposed by the Contractor and submitted to PCRWRD Project Manager and Inspection Staff for review and approval before proceeding with the repairs.

713.16.2 **Wrinkles:** Horizontal or Vertical wrinkles in the finished project that cause a horizontal backwater of one (1) inch or more or reduce the hydraulic capacity of the pipe between the 4:00 and 8:00 O'Clock pipe positions and wrinkles which exceed five per cent of the pipe diameter are unacceptable and shall be removed or repaired by the Contractor at no additional cost to PCRWRD. Wrinkles in the finished liner that reduce the structural stability of the existing sewer pipe are unacceptable. If a void is discovered between the liner and the existing pipe in the location of the wrinkle, the Contractor shall repair or replace that section of liner at no additional cost to Pima County. Methods of repair shall be proposed by the Contractor and submitted to PCRWRD PM for review and approval before proceeding with the repairs.

713.16.3 **Separations of the seams:** Separations of the seams in the finished liner are unacceptable and shall be removed or repaired by the Contractor at no additional cost to PCRWRD. Methods of repair shall be proposed by the Contractor and submitted to PCRWRD Project Manager / Inspection Staff for review and approval before proceeding with the repairs.

713.16.4 **Sealing CIPP at Manholes:** The CIPP shall make a tight-fitting seal with the existing pipe(s) in the manhole. There shall be a small flare (2 to 4 inches) to the CIPP that will act as a "mechanical locking mechanism" to make sure the CIPP does not shift in the host pipe. The ends of the CIPP will be sealed appropriately using approved methods.

713.16.4.1 All reaches shall include hydrophilic end seals, as well as epoxy anchor/end seals for tail, inversion, and line-thru manholes.

713.16.4.2 If due to broken or misaligned pipe at the manhole wall, CIPP fails to make a tight seal at any point, the Contractor shall apply a seal at that point. The seal shall be of a resin mixture compatible with the CIPP. The top half of the pipe shall be neatly cut off and not broken or sheared off, a maximum of four (4) inches and a minimum of two (2) inches from the walls, to allow for the liner to lock at the manhole opening and limit possible shrinkage of the liner. Cutting the liner flush with the face of the manhole walls shall not be allowed to prevent liner shrinkage. The Contractor shall leave a minimum of two (2) inches to a maximum for four (4) inches of CIPP extending from the edge of the channel on both sides. The finished channel in the manhole shall be a smooth continuation of the pipe(s) and shall be merged with other lines or channels, if any to provide easy flow transition. Channel cross-section shall be U-shaped with a minimum height of half pipe diameter to three-fourths of the pipe diameter for fifteen (15) inches and larger. The side of the channels shall be built up with mortar/concrete to provide benches at a maximum of 1 in 12 pitch towards the channel.

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713.17 Clean-Up: Clean-Up on acceptance of the installation work and testing, the Contractor shall clean and restore the project area to a condition at least equal to the original condition, as directed by the Project Manager.

713.18 The initial acceptance of the completed CIPP is the responsibility of the Contractor and not PCRWRD. A final post installation CCTV video of the entire sewer reach (manhole to manhole or manhole to cleanout) shall be submitted to the PCRWRD PM/CCTV after all defects are repaired to the satisfaction of PCRWRD. Acceptance of this final CCTV video recording (video formatting) is at the discretion of the PCRWRD and conduction of additional CCTV inspections due to the initial inspections resulting in CIPP not being in compliance with PCRWRD standards, shall be conducted by the Contractor at no cost to PCRWRD. PCRWRD reserves the right to CCTV any liner installation with Department personnel or representative.

713.19 Emergency Action Plan: The Contractor shall present to the PCRWRD PM a proposed Emergency Action Plan with corrective measures to be utilized should an inserted tube fail to extend through the entire pipe reach being rehabilitated. The proposed emergency action plan shall include details of any specialized equipment, materials, personnel and regulatory reporting and compliance requirements which may be required should one or more of the following situations occur:

713.19.1 Failure, blowout or collapse of inserted tube during the curing process.

713.19.2 Boiler or heater mechanical failure during the curing process.

713.19.3 Aborting, removing, handling and proper disposal of resin impregnated tube after insertion into carrier pipe but prior to curing.

713.19.4 Mechanical failure of sewage flow management equipment prior to a rehabilitated pipe reach being placed back into service.

713.19.5 Finding of incorrect measurement(s) or fabrication error(s) after tube has been inserted into pipe.

713.19.6 Emergency action spill plan for wastewater spill.

Submission and approval of the aforementioned emergency action plan by the Contractor shall not relieve him of his responsibilities to take action for any other emergency, not specifically stated herein, which may arise during the course of the work.

SECTION 714 - CIPP MATERIALS

714.1 Suitability of Material: Proposed materials shall be suitable for use in the environment and conditions of the project.

714.1.1 Tube: The tube shall consist of one or more layers of a flexible needled felt or an equivalent nonwoven or woven material (such as fiberglass), or a combination of nonwoven and woven materials, capable of carrying the prescribed quantity of resin, withstanding the required installation pressures and curing process temperatures or an approved liner from the PCRWRD Approved Product list. The tube's materials of construction should be compatible with the resin system to be used on this project. The material should be able to stretch to fit irregular pipe sections, negotiate minor bends, and dimple at any service or branch connections.

714.1.1.1 The tube shall contain no intermediate or encapsulated impervious elastomeric layers that would prevent the resin from migrating and filling the annular spaces between the host pipe and the cured liner. No materials shall be included in the tube that is subject to delamination in the cured CIPP.

714.1.2 Resin: The resin system shall meet the requirements of ASTM F1216, section 5.2 except as modified herein. In addition, the resin shall be high-grade corrosion resistant specifically designed for the CIPP being installed. The wall color of the interior pipe surface of the CIPP after installation shall not be of a dark or non-reflective nature that could inhibit proper closed circuit television inspection. No fillers shall be added to the resin without the specific

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approval of PCRWRD. Any modifications to the resin must be submitted and approved by Pima County before use in the Pima County Sewer System.

714.1.3 Caulking/Seal: The caulking/seal shall be of a resin mixture compatible with the CIPP and in accordance with the CIPP manufacturer's recommendations.

714.2 Color of Liner Material: The liner material shall not be made of a dark or non-reflective material that would inhibit proper CCTV inspection.

714.3 Manufacture: The tube should be fabricated to a size that, when installed, will tightly fit the internal circumference and the length of the original pipeline or conduit. Allowances should be made in its manufacture for the longitudinal and circumferential stretching that occurs during the placement of the tube.

714.3.1.1. The tube shall be uniform in thickness and, when subjected to the installation pressures, will meet or exceed the designed finish wall thickness throughout its length.

714.3.1.2. Any plastic film applied to the tube on what will become the interior wall of the finished CIPP shall be compatible with the resin system used, translucent enough that the resin saturation is clearly visible, and shall be firmly bonded to the felt material. (Tubes with removable calibration tubes such as those used in UV light-cured CIPP do not have to meet this bonding requirement.)

714.3.1.3. The tube shall be marked for distance at regular intervals along its entire length, not to exceed 5 feet. Such markings shall also include the CIPP System Manufacturer's name or identifying symbol (brand), the tube number, and pipe diameter.

714.4 Approved Manufacturers: See PCRWRD Approved Product list Section F. These are the only approved manufacturers of CIPP liner. No substitution is permitted. Rehabilitation of the existing pipelines shall be by insertion with CIPP. The CIPP system used must have a minimum proven performance record of 250,000 LF of successful CIPP installation in the United States.

714.5 Contractor: The licensed lining Contractor must have successfully installed a minimum of 50,000 feet of CIPP liner in sewers with nominal diameters of 6 inches and larger. In addition, the Contractor must have successfully installed an individual length of CIPP in excess of the longest length between manhole in this project. This qualifying experience must have been completed in the United States and within the past 5 years. The Contractor Experience Form and the Superintendent Experience Form are required to be submitted at the same time with the Contractor's Bid Schedule.

SECTION 715 - STRUCTURAL REQUIREMENTS

715.1 Design Criteria: All liner pipe used to line the existing sewer shall be designed to have a minimum service life of 50 years and to withstand the total vertical and lateral loads, including, but not limited to, soil load, live loads and hydrostatic loads. Design shall be based on the assumption that the existing carrier pipe provides no structural support to the liner pipe, except for transmitting loads. No design shall rely on bonding to the existing carrier pipe wall. The following design criteria shall be utilized to develop suitable structural and corrosion resistant design for the pipe:

715.1.1 Dead Loads: Design is to be based on the actual depth of soil cover above the top of the pipe. The Contractor shall use the manhole depths and pipe diameters (listed on the plan set) to approximately calculate the actual depth of soil cover near the manholes. Assume a soil weight of 120 pounds per cubic foot and a modulus of soil reaction ($E's$) of 1,000 psi. The assumed minimum depth of cleanouts and terminal manholes is four (4) feet. If As Built drawings exist and show soil borings for the project area, include as attachment for design calculations.

715.1.2 Live Loads: Are based on HS20-44 (A.A.S.H.T.O Latest Edition).

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715.1.3 Corrosion: Corrosion-All liner pipe, joints, and fittings to be furnished shall be suitable for continuous service in sewage environments with 10% sulfuric acid at an average wastewater temperature of 84 degrees Fahrenheit.

715.1.4 Buckling: Pipe design shall incorporate a safety factor of 2.0 for external loads in accordance with ASTM F 1216 Appendix XI.

715.1.5 Hydrostatic Pressure: Water table shall be construed as being two (2.0) feet below finished grade extending over the entire project length. Because the depth of soil cover varies over the entire project length, the calculated hydrostatic pressure will vary over the entire project length. After calculating the approximate depth of soil cover near each manhole, the Contractor shall subtract two (2.0) feet to get the resulting assumed water table elevation near each manhole.

715.1.6 Ovality: Percentage ovality of original pipe equals 5%.

715.1.7 Long-Term Modulus of Elasticity: Assume this value to be 50% of the initial modulus of elasticity.

715.1.8 Flexural Strength: Minimum value of 4,500 psi.

715.1.9 CIPP Liner Thickness: The minimum CIPP liner thickness for use on this project, measured in all cases with the plastic coating or pre-liner tube excluded, shall be the Minimum Liner Thickness as per PCRWRD approved design.

715.1.10 Existing sewer pipe is assumed to be fully deteriorated.

715.2 Submittals: Before commencing any work, the Contractor shall submit the following:

715.2.1 Material Certifications: Certifications of the materials including the cell classifications, grades, types of resins, glass fibers, and all other materials used in the manufacture of the liner pipe.

715.2.2 CIPP Design Calculations: Complete calculations including list of parameters, all formulas and all other data which are necessary for the design of the liner pipe. Calculations submitted shall use a design temperature of 73.4 (+/- 3.6) degrees Fahrenheit and shall include, but not be limited to: soil loads, live loads, hydrostatic loads, pipe stiffness (PS), Dimension Ratio (DR), flexural modulus, initial and long term (50 years) values of pipe deflection after installation, pipe bending strain, hydrostatic collapse resistance, constrained buckling strength, ovality reduction factor, and allowable installation length. Drawings showing the cross-sectional profile of the liner pipe wall and pipe joint details shall also be submitted.

715.2.4 Manufacturer's Specifications: Relevant information from the resin manufacturer shall include specifications, characteristics, properties, and methods of application. A written certification that the resin material complies with the required application, along with curing temperature, and duration of the temperature depending upon the sewer size and CIPP Liner thickness as determined for the project shall be submitted. A blanket letter shall not be sufficient in case of varying CIPP Liner thickness and lengths. This information shall be used during field inspection to verify that proper curing procedures are being followed.

715.2.4 Temperature/Time Logs Forms: The Contractor shall submit the format of the curing Temperature/Time Log sheets for review and approval. At a minimum the log shall contain the inversion number, the manhole numbers of the reach(es) included in the inversion, design liner thickness, resin and liner been used, and the date of the inversion. Information on the temperature range and cure times recommended by the resin manufacturer shall also be submitted for each run of CIPP installed.

715.2.5 Previous CIPP Field Samples: To verify past performance, the manufacturer shall submit a minimum of 5 test results from previous field installations of the same resin system and tube materials as proposed for the actual installation. These test results must verify that the CIPP physical properties as specified in Section 715 of these Special Provisions have been achieved in previous field applications. New resin systems can be used by obtaining prior approval from PCRWRD and arranging to have testing done in an independent testing lab utilizing the proposed

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resin system and tube materials to confirm that these same physical properties can be obtained. In this case of a new resin system, only one test value shall be required. The previous field samples or the new resin system samples (as the case may be) shall be provided to PCRWRD as shop drawing type submittals.

715.2.6 Test Reports: Submit certified copies of test reports on physical and chemical properties of the resin and flexible tube.

715.3 Testing Requirements: All CIPP samples shall be collected in accordance with Section 713.12 of these Special Provisions for each inversion or insertion marked with the date of inversion or insertion, and properly marked with the inversion or insertion number, once the sample is removed from the source. **The PCRWRD inspector must be present during all sample taking for lines eighteen (18) inches or greater.** The Contractor can use the following pre-approved laboratories for CIPP sample testing:

Microbac
4750 Nautilus Court South
Boulder, Colorado 80301
Tel: (303) 581-0079
Fax: (303) 581-0195

Ramtech Laboratories
14104 Orange Avenue
Paramount, California 90723
Tel: (562) 633-4824
Fax: (562) 633-4128

HTS Pipe Consultants
420 Pickering
Houston, TX 77091
Tel: (713) 692-8373

715.3.1 Thickness: It is the responsibility of the Contractor to demonstrate to the PCRWRD PM that the CIPP liner wall thickness measured from the flat plate sample, is not less than the minimum thickness as per PCRWRD approved design. If necessary, the Contractor shall do an additional liner insertion, approved by Pima County, to meet the minimum liner thickness specification requirement or else pay a penalty based on the amount of liner thickness deficit. The monetary penalty option will only be allowed at PCRWRD's discretion and then only after it has been demonstrated that the installed liner can handle the structural loads imposed upon it.

715.3.1.1 The monetary penalty for liner thickness deficit shall be calculated as follows:

Penalty per l.f. = (Amount of liner thickness deficit in mm/minimum liner thickness specified in mm) x (l.f. bid price of installed liner)

715.3.2 Chemical Resistance: The CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of tube and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical testing requirements.

715.3.3 Physical Properties: A minimum of one (1) sample of the CIPP from each insertion shall be tested for flexural strength and the flexural tangent Modulus of Elasticity in accordance with the latest version of ASTM D790, Procedure A. These tests shall be done utilizing the full thickness of the CIPP and with the plastic coating or pre-liner tube removed. If the tests cannot be run on the full thickness of the CIPP in one test, then the testing laboratory shall coordinate with PCRWRD to determine what should be done.

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715.3.3.1 If the minimum Modulus of Elasticity is not met, then the following penalties will apply at the option of PCRWRD:

Modulus of Elasticity Deviation	Penalty
1 to 9,999 psi	\$10/linear foot reduction in payment
10,000 to 24,999 psi	\$20/linear foot reduction in payment
25,000 to 49,999 psi	\$30/linear foot reduction in payment
50,000 to 74,999 psi	\$40/linear foot reduction in payment
75,000 psi and greater	Add additional liner thickness to meet the required thickness of liner calculated using the lower modulus of elasticity.

715.3.3.2 If the minimum flexural strength is not met, then the following penalties will apply at the option of PCRWRD:

Flexural Strength Deviation	Penalty
1 to 199 psi	\$10/linear foot reduction in payment
200 to 399 psi	\$20/linear foot reduction in payment
400 to 599 psi	\$30/linear foot reduction in payment
600 psi and greater	Insert new liner that meets the minimum flexural strength requirements.

If an additional liner is installed over an existing liner, the Contractor must utilize a procedure whereby the additional liner will adhere to the existing liner in a manner acceptable to PCRWRD. Methods of repair shall be proposed by the Contractor and submitted to PCRWRD PM for review and approval before proceeding with the repairs.

SECTION 716 - REHABILITATION OF EXISTING MANHOLES-(section not used)

SECTION 717 - PAVEMENT REMOVAL AND REPLACEMENT-(section not used)

SECTION 718 - MISCELLANEOUS OTHER WORK

Miscellaneous other work shall consist of the removal and the replacement of existing improvements that will be encountered within the area of the construction of the project and items of work which are necessary for the completion of the project work and necessary to protect, maintain, serve, and restore the property of the owner to its original and intended use and for other items of work which are not included in any of the bid items of the contract work. This work shall be considered incidental to the Contract work, and no measurement or payment shall be made unless expressly approved PCRWRD, in which case it shall be paid for as a FORCE ACCOUNT item.

SECTION 719 - MEASUREMENT AND PAYMENT

719.1 General: The method of measurement and payment for the various items comprising the completed work follows. Payment for the items shall be compensation in full for the furnishing of all overhead, material, labor, tools, equipment, and using or installing appurtenances necessary to complete all the work in a good, neat, and satisfactory manner as shown on the plans or as specified. Each item, fixture, piece of equipment, etc. shall be complete with all necessary connections and appurtenances for satisfactory use or operation. No additional payment will be made for work on appurtenances related to each item unless particularly noted or specified. Measurement shall be made of the completed work in place with no allowance for waste. All work not particularly noted or specified to be included in a bid item is considered appurtenant to the appropriate bid item, and no additional payment shall be made.

719.2 The Contractor will receive and shall accept compensation provided for in the Contract as full payment for furnishing all material and for performing all work under the Contract in a complete and acceptable manner, and for all risk, loss, damage or expense of whatever nature arising from this Contract or prosecution of this work.

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719.3 The successful Contractor shall prepare a Schedule of Values for this project and submit it after notification of recommendation for award of contract. The Schedule of Values is an itemized list that has a format similar to the contract Bid Proposal except that additional cost subdivisions are required for lump sum and other items that represent a combination of subordinate components. The purpose of the Schedule of Values is simply to provide Pima County with more detailed information regarding the component cost makeup of lump sum bid items and other combined items in the bid.

719.3.1 *Bid Item No.1: Mobilization:* Mobilization will be measured for payment by the lump sum as a single complete unit of work. The basis for payment shall be in accordance to Section 901, Mobilization, of the PAG Standard Specifications for Public Improvements, updated November 2015.

719.3.2 *Bid Item No. 2: Furnish, Operate and Maintain Sewage Flow Management Systems/Equipment:* Measurement on this item shall be by LUMP SUM for preparing each required FMP acceptable to PCRWRD and furnishing, operating, and maintaining sewage flow management systems/equipment necessary to accomplish the sewer rehabilitation work. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to provide the sewage flow management systems/equipment in accordance with the Plans and Special Provisions.

719.3.3 *Bid Items Nos. 3 – 10: Furnish and Install CIPP Liner in Existing 6", 8", 10", 12", 15", 18", 21", 24", 27", 30", 33", and 36" Gravity Sewer Pipe:* The pipe will be measured for payment along the center line of the pipe from the center of manhole to center of manhole. The respective unit prices specified to be paid, per LINEAR FOOT, of rehabilitated pipe, shall be compensation in full for furnishing all liner, and other materials required for rehabilitating pipe lines by trenchless technology; for laying, setting, and jointing of all pipes and fittings; for rehabilitating man holes; for all testing, including leakage tests; de-watering by any and all methods; any excavation, backfill and re-compaction, pavement removal and replacement required to rehabilitate existing sewer main (i.e. for point repairs); all cleaning up; all labor, tools, and construction equipment; and for all other work and incidental expenses, and for reconnecting service connections and laterals if any. Payment includes all costs obtaining necessary permits, water required for liner installation and curing, all costs for root removal and cleaning before, CCTV before and after of lines to be rehabilitated, temporary and all costs for providing traffic control. Any new manholes needed to accomplish the rehabilitation of the sewer pipe other than those shown in the bid proposal shall be included in this bid item. These additional manholes shall be coated in accordance with Section 716 of these Special Provisions. When the Contractor requests payment from PCRWRD for constructing a portion of the CIPP pipe, he is required to submit (with the invoice) redlines of project plans and specifications which show the as-built information for the completed CIPP pipe.

719.3.4 *Bid Item No. 11: Reinstatement of House Connection Sewer:* Measurement for this item shall be for EACH reinstatement of existing house connection sewer. Payment shall be compensation in full for furnishing all materials, labor and equipment necessary to re-open and seal each house connection sewer in accordance with the Plans and Specifications.

719.3.5 *Bid Item No. 12: Manhole Rehabilitation:* The manhole will be measured for payment from pipe invert to manhole cover. The respective unit prices specified to be paid per VERTICAL LINEAR FOOT (VLF) of rehabilitated manholes shall be compensation in full for furnishing all materials, labor and equipment necessary to provide all required cleaning, including sand blasting and wet abrasive blasting, all flushing, all applications of hydraulic cements and coatings, all caulking, carbon fiber, epoxy coatings, and all testing of the finished coatings on all parts of the manhole in accordance with the Plans and Specifications.

719.3.6 *Bid Item No. 13: Force Account:* Measurement and payment for miscellaneous labor, construction, materials, and equipment required for work which is outside of the scope of the contract as bid shall be done as outlined in Section 109-5 EXTRA AND FORCE ACCOUNT WORK of the PAG Standard Specifications for Public Improvements, updated November 2015. Work under this item must be authorized by the Project Manager or his designated representative prior to the commencement of the work.

This item will only be used as needed; all the monies for this item may not be spent during construction on this project.

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SECTION 720 - PERMITS AND SUBMITTALS

720.1 The Contractor is required to obtain all necessary permits before starting project construction, including but not limited to: PCRWRD Project Construction Permit, PCDOT Right-Of-Way Permit, Arizona Department of Water Resources DWR Permit to Withdraw Groundwater – Form 518 (temporary de-watering), PDEQ Air Quality Permit, and Tucson Water Construction Water Permit, a PC Floodplain Use Permit, OR A PC Floodplain Use Permit is not required, however, the Contractor is to notify the Pima County Flood Control District prior to construction so that they may observe the construction.

720.2 There will be no direct payment to the Contractor for time and expenses related to obtaining the necessary permits. Payment for obtaining these permits is understood to be included in the total contract price awarded to the Contractor.

720.3 Formal submittals of the work are considered to be milestones. The periods of time at which these submittals are due are in calendar days and are firm to the extent that the due date will be extended to the next PCRWRD business day should the scheduled due date fall on a Saturday, Sunday, or Holiday. The Contractor shall conduct the work to complete the tasks in accordance with the respective approved schedules.

The Contractor submittals for PCRWRD approval shall include, but not limited to the following:

SUBMITTALS SCHEDULE CIPP REHABILITATION			
Item No.	Description	Applicable	
		Yes/No	Section
WITH BID			
	Contractor Experience Form		714.5
	Superintendent Experience Form		714.5
PRIOR TO NOTICE TO PROCEED			
	Wastewater Flow Management Plan(s)		711.4
	Confined Space Entry and Styrene Protection Procedures		713.3
	Emergency Action Plan		713.19

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	Contractor Certification by Manufacturer		MH Rehab
PRIOR TO START OF CONSTRUCTION			
	Blue Stake Ticket		704.2
	Other Utilities Plans and Coordination Records		704.5
	Right of Ways/Easement Work related Construction Permits		705.1
	Temporary Utilities		706.2
	Traffic Control Plan		708.2
	Residents' Notification Letter And Schedule		710.1
	Active Service Connections		710.3
	Notification Door Hanger		710.4
	Notification Log		710.5
	SSO Spill Response Plan		711.9
	CCTV Operators NASSCO Certificates of training		712.1
	Contractor's Calculations for Liner Thickness		713.7.2
	Operational Plan for Inspection & Cleaning of Sewer		714.1.05.b
	Procedure/Information on Mitigating Shrinkage & Wrinkling		712.8 & 714.1.05.d
	References from Public Wastewater Service Providers		714.1.05.e
	Certified Laboratory Test Reports physical properties for resin and flexible tube		713.7.3
	Resin Manufacturer's Information and Certification of Compliance		713.7.4
	Certifications of Compliance Materials used in CIPP		713.7.1
	Test Results from Previous Field Installations		713.8.4
	Material Safety Data (MSD) Sheets for Components of CIPP		712.1.3 & 714.1.05.j
	PCRWRD Project Construction Permit		718
	ADEQ Discharge Authorization Permit		718
	PCDEQ Fugitive Dust Activity Permit		718
	Plan for Maintaining Service connection use		712.4 & 714.1.13

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PRIOR TO CIPP INSTALLATION			
	Line Obstructions		713.8
	Pre-Insertion Videos and Log Sheets		713.9
	Temperature sensor system function test		713.10.2
	Wet Out Logs		713.11
POST CIPP INSTALLATION			
	Styrene Monitoring Logs		713.4
	Site Air Quality Monitoring		713.5
	CIPP Samples		713.12
	Certified Copy of CIPP Test Results		713.12
	Chemical resistance, & physical properties		713.8.5.3 thru 713.8.5.5
	Curing temperature/time log sheets		712.9
	Monitoring Temperatures and Curing Logs		713.10
	Post-Inspection Acceptance Statement and/or List of Defects with Corrective Plan		713.15.1 & 713.15.2
	Post Inversion CCTV Records		713.15
PRIOR TO FINAL ACCEPTANCE OF PROJECT			
	Existing Improvements Damages		705.2
	Record As-Built Drawings		709.2
	Final Summary Report		712.8/712.9

ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL

721.1 The Contractor is advised that the transit pipe to be removed contains asbestos. This pipe is classified as a Category II Regulated Asbestos-Containing Material. The Contractor shall apply for and obtain an Asbestos NESHAP Activity Permit from the Pima County Department of Environmental Quality. All work under this Section shall comply with Section 940 of the PAG Standard Specifications for Public Improvements. A copy of the permit shall be provided.

721.2 Prior to commencement of work, the Contractor shall provide training certificates for all personnel and/or any Asbestos Abatement Contractor working on asbestos abatement. In addition, the Contractor shall provide the Engineer a signed statement to the fact that workers have been notified that (a) asbestos containing materials are present at the work site and (b) they are removing asbestos containing materials (as applicable to the employees).

721.3 Air monitoring test results shall be provided to the Project Manager.

721.4 Disposal of transit pipe shall be at an Agency approved facility. Waste shipment records of transite pipe removed from the site complete with the receiving disposal site operator's signature and date shall be provided to the Engineer.

721.5 This work shall be considered incidental to the contract, and no measurement of payment shall be made.

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SUB APPENDIX E (1 Page)

PROCEDURE FOR REPORTING UNAUTHORIZED DISCHARGES/RELEASES

During any Unauthorized Discharge or Release of Sanitary Sewer effluent **immediately call Pima County Regional Wastewater Reclamation at 520-724-3400**

Identify yourself and company name, state that the discharge is from “**Job Order Number and Location**” Flow Management Setup, and PCRWRD Permit Number

Give clear directions as to where the discharge is located (directions from nearest cross street if no address is available).

State any pertinent details such as volume of discharge, did it enter the wash, residence address, is discharge ongoing or it has stopped, etc.

Should any RELEASE occur from any portion of the Flow Management Setup, you are to follow these procedures immediately!!

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SUB APPENDIX F (11 Pages)

TECHNICAL SPECIFICATIONS FOR MANHOLE REHABILITATION AND CORROSION PROTECTIVE COATING APPLICATION Dated December 2025

A. GENERAL

It is the responsibility of the contractor to know and understand these specifications, to have them on site during the performance of any and all work, and to adhere to them at all times.

In this Pima County (PC) Regional Wastewater Reclamation Department (RWRD) specification, the words “coating” (or “coatings”) and “lining” (or “linings”) are used interchangeably. Similarly, “to coat” is used interchangeably with “to line” (or other variations of these words). In this specification, an “approved coating system” is one that has been selected by the PCRWRD Product Selection Committee (PSC) for use in the public sewer system operated by PCRWRD and is included in the PCRWRD List of Approved Products (LAP) for Public Sanitary Sewer Conveyance Facilities.

In this specification, unless otherwise specifically noted, the word “manhole” shall mean “sanitary sewer structure” and shall encompass sanitary sewer manholes, sewage lift station wet wells, sanitary sewer diversion structures, sanitary sewer junction structures, and other sanitary sewer facilities as indicated in the project documents. It also encompasses sanitary sewer pipes (or portions thereof, including inverts) that are located within the sanitary sewer structure, but does not include sanitary sewer pipes (or portions thereof) that are located outside of the limits of the structure.

In this specification, “existing manholes” shall mean those manholes that are currently owned and previously accepted by RWRD. “New manholes” shall mean those manholes that are constructed as either brand new or as in-kind replacement for manholes that are not candidates for rehabilitation.

“Rehabilitating” existing manholes and “applying corrosion protective coating” to such manholes shall include, but will not be limited to, the following activities:

- Cleaning the manhole and removing corroded/deteriorated materials from the manhole and otherwise preparing the manhole for one of the approved coating systems.
- Applying one of the approved coating systems, as specified herein.
- Testing the finished underlayment and surface coating, as required herein.
- Other related activities, as noted herein.

Applying “corrosion protective coating” to the new manholes installed as part of this project shall include, but will not be limited to, the following activities:

- Cleaning and preparing the manhole for one of the approved coating systems.
- Applying one of the approved coating systems, as specified herein.
- Testing the finished underlayment and surface coating, as required herein.
- And other related activities, as noted herein.

Where required by the approved construction documents, new manholes shall be coated and/or existing manholes shall be rehabilitated and an approved corrosion protective coating applied to their interior surfaces, as specified herein. The approved coating system (as specified herein) shall be applied to all exposed brick, concrete, grout, mortar, and cementitious surfaces within the manhole, including unlined concrete pipes within the manhole, bench-to-pipe transitions, bench, risers, cones, adjusting rings, etc. Coating of the metallic manhole frame and cover shall only be required if noted on the construction documents.

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For projects containing more than five (5) manholes requiring coating, an example manhole procedure shall be followed. In such cases, prior to the start of any manhole rehabilitation or coating work, the RWRD Field Engineer will identify one manhole within the project that will be used as an example manhole. The example manhole will require rehabilitation and shall be rehabilitated by the contractor using the approved coating system, in conformance with these specifications. The manhole will be completed using the milestones listed in Section I of this specification. Upon completion and final acceptance of the example manhole by the RWRD Field Engineer, it shall be used as the standard for all project manholes.

B. APPROVED CORROSION PROTECTIVE COATING SYSTEMS:

The approved corrosion protective coating systems for application to existing manholes shall be as identified in the LAP. Each of the approved coating systems has an underlayment material and a surface coating material. The underlayment material (if required) and the surface coating material installed in any one manhole shall be from the same coating system and specified as compatible by the manufacturer.

Sprayable or trowel able formulations of Approved Products are acceptable. If "sprayable", the product shall be applied by an airless sprayer or spin caster. Regardless of the installation method, the final surface texture throughout the entire manhole, as judged solely by the RWRD Inspector, shall have a Concrete Surface Profile (CSP) value of 1 to 3, as defined by the International Concrete Repair Institute (ICRI). The Contractor shall not re-use or apply rebounded, spilled or over-sprayed material.

No substitutions outside the LAP are permitted without the approval of the RWRD Field Engineer. All coating systems shall be applied in conformance with these specifications.

C. COATING APPLICATORS:

The Contractor performing the work covered by this specification (also referred to herein as "the coating applicator") shall have a minimum of five (5) years' experience performing sewer manhole rehabilitation and corrosion protective coating work and shall have completed a minimum of five (5) such projects within the last five (5) years, one of which shall have been completed within the last 60-days using one or more of the RWRD Approved Products. The coating applicator shall document said project experience on the "Performance History" form included in this specification. The contractor shall submit the completed Performance History form to the RWRD Field Engineer for approval. The coating applicator shall report on the form any failures that occurred on any of the listed projects within five (5) years after final acceptance. The coating applicator shall also report any remedial action taken to address said failures and the final resolution. The coating applicator may attach additional sheets as necessary. An unacceptable performance history (e.g., having less than five (5) years of experience, having fewer than five (5) completed projects within the last five (5) years, and/or having failures within five (5) years after final acceptance on any of the listed projects that have not been corrected by remedial action), as determined by the RWRD Field Engineer, shall serve as the basis of rejection of the coating applicator.

The Contractor shall also submit a signed and dated certification letter from the manufacturer of the product (e.g., one of the Approved Products) that the applicator intends to install in the manhole(s). The certification letter shall state that the coating applicator has been trained and is certified and approved by the manufacturer to apply the manufacturer's coating in sewer manholes. The certification letter shall include the name of the Certified Applicator employed by the Contractor, date of training and certification expiration date. Failure to supply a valid certification letter shall result in the disqualification of the Contractor from installing said product in the RWRD system.

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D. COATING SYSTEM APPLICATION:

1. Cleaning and Preparation Activities:

- a. Unless otherwise noted on the construction documents, for existing manholes lined with an existing PVC liner (e.g., T-lock liner), the Contractor shall remove the existing PVC liner prior to other cleaning activities at no cost to Pima County.
- b. Unless otherwise noted on the construction documents, existing or new liners on pipelines connecting to or passing through the manhole shall be left intact and in-place.
- c. Unless otherwise noted on the construction documents, for existing manholes lined or coated with a previously applied corrosion protective coating, the Contractor shall entirely remove the existing liner/coating (including any underlayment layers) prior to performing other cleaning activities at no cost to Pima County.
- d. Steps in the existing manholes shall be replaced at the discretion of the RWRD Inspector with the acceptance of the project manager. Should the Inspector require the steps to be replaced, they shall be removed after the existing concrete has been water blasted, and the final existing concrete surface profile has been exposed. The steps shall be cut flush with the concrete surface profile before re-surfacing begins. No portion of the remaining embedded steps shall protrude above the surface of the concrete. The steps shall then be replaced per PCRWRD Standard Detail RWRD 210 before final coating.
- e. Prior to application of the approved coating, all portions of the manhole to be coated shall be cleaned of all dust, loose particles, corroded or damaged materials, oils, grease, curing compounds, chemical contaminants, previously applied paints, insecticide coatings, and any other material indicated by the Inspector. The Contractor shall clean the manhole by abrasive blasting, followed by water blasting. Both abrasive blasting and water blasting shall be required. Abrasive blasting may be either wet or dry. Abrasive blasting equipment shall be rated for a minimum of 90 pounds per square inch (psi). Water blasting shall be performed with water blasting equipment capable of a minimum of 5,000 psi at 4 gallons per minute (GPM). The Contractor shall remove all sand, or other abrasive material, and all debris from the manhole with an industrial vacuum cleaner or other means approved by the RWRD Inspector.
- f. Other manhole cleaning methods may be used in addition to abrasive blasting and water blasting, as necessary to properly clean and prepare the manhole, but shall not be used as a substitute for abrasive blasting and water blasting without prior approval of the RWRD Field Engineer. Subject to RWRD Inspector approval, other methods that may be used in addition to abrasive blasting and water blasting (but not as a substitute for them) are high pressure water jetting, shot blasting, grinding, mechanical removal methods, chemical cleaning, detergent cleaning, hot water blasting and acid etching. If chemical cleaning or acid-etching are used, the substrate shall be neutralized and washed of residue.
- g. The Contractor shall be aware that manhole cleaning and preparation activities (e.g., water blasting and abrasive blasting) may cause damage to certain materials and finishes. The Contractor shall be solely responsible to protect portions of the manhole (including appurtenances and attachments) that are not designated for such cleaning and preparation activities from damage and shall be responsible to repair any damage caused by their activities at no cost to Pima County. Furthermore, the Contractor shall protect portions of the manhole on which the Contractor has previously applied the corrosion protective coating from any subsequent preparation or repair activities.

- h. Any and all products, aside from those on the Approved Products List, to be used for the work shall be identified in a detailed submittal provided by the Contractor to the RWRD Field Engineer for approval. Approval, in writing, from the RWRD Field Engineer must be received by the contractor prior to any products' use. Chemical use shall conform to local, state and federal laws and regulations. Safety Data Sheets (SDS) for all chemicals shall be hard-copied and available on site at all times.
- i. For new manholes, a manhole suitably prepared for coating shall have a uniform surface texture conforming to an ICRI CSP value of 2 to 3 and shall be free of laitance or other irregularities. For existing manholes, a manhole suitably prepared for coating shall have all loose, soft, discolored or otherwise deteriorated material removed from the manhole and the surface of the manhole shall have a texture at least as rough as ICRI CSP value of 4. The RWRD Inspector may use one or more of the following observations/tests to determine whether the manhole has been properly cleaned and prepared:
 - 1. Visual appearance of the manhole – The prepared substrate shall have the appearance of sound concrete (or brick and/or mortar), free from discolored, white, chalky and cracked areas.
 - 2. Aural observations – When struck with a metal hammer or tool, the prepared substrate shall exhibit the characteristic sound of solid, competent concrete (or brick).
 - 3. Mechanical abrasion tests – The substrate should be competent enough such that it cannot be scraped off with the claw of a hammer or similar metal tool.
 - 4. PH testing – The Inspector may use wetted litmus paper applied to the surface of the substrate to ensure that the pH of the substrate is 10 or higher. Any cleaning required after the PH testing will be done at no cost to Pima County.
 - 5. Phenolphthalein testing – The Inspector may apply a few drops of phenolphthalein to the surface of the concrete; whereby sound concrete should yield a purple color. Cleaning and removal of the phenolphthalein residue after testing will be done at no cost to Pima County.
- j. The RWRD Inspector may elect to use one or more of the above tests. The selection of test methods shall be at the sole discretion of the RWRD Inspector.
- k. If after cleaning, a new or existing manhole does not meet the requirements under section E.1.h, the RWRD Inspector shall have the authority to require that additional effort be made to adequately prepare the manhole. For existing manholes, the RWRD Inspector may also require removal of deteriorated concrete or other substrate materials that do not pass one or more tests as described under section E.1.h. These additional requirements shall be at no cost to Pima County.
- l. The Contractor shall remove loose material from the manhole. The Contractor shall take all necessary precautions to prevent debris from damaging the manhole and/or entering the sewer at no cost to RWRD. The RWRD Inspector shall approve the Contractor's precautions prior to any work being conducted.
- m. Any visible water infiltration or seepage through joints or seams in the existing manhole walls shall be eliminated at no cost to Pima County, using a material approved by the RWRD Field Engineer and compatible with the approved coating system. A letter from the underlayment material manufacturer and finish surface coating material manufacturer stating that the material used to stop the infiltration is compatible with their product shall be submitted to the RWRD Field Engineer for approval before any such material may be used.
- n. After the manhole is properly cleaned and prepared, the Contractor may be required to drill a hole no larger than ½-inch in diameter that penetrates a minimum of 2-inches into the concrete (or other manhole wall surface type). The Contractor shall then install a 3/8-inch diameter 316 stainless steel expansion bolt into the hole. The bolt shall penetrate a minimum of 2-inches into the manhole wall but shall be long enough that a minimum of 1-inch length

(but no more than 2-inches length) of the bolt will be exposed after the finished manhole coating system is installed. The hex-head end of the bolt shall be the exposed end. Unless otherwise directed by the RWRD Inspector, the bolt shall be installed on the manhole riser section at a location approximately 12-inches below the point where the manhole cone and manhole riser meet. The RWRD Inspector will direct the Contractor where to install the bolt around the circumferential inner perimeter of the manhole. The various layers of the coating system shall be installed securely up to and around the base of the bolt to seal the bolt penetration off as a pathway for corrosion. This bolt will be used to provide grounding for spark testing procedures described later in this specification.

- o. The time between manhole cleaning and preparation activities and application of the first coating layer shall not exceed two (2) hours without repeating the 5000 psi at 4 gpm water blasting process.
- p. The Contractor shall properly dispose of all debris resulting from the manhole cleaning and preparation activities at no cost to Pima County. Said disposal shall be in accordance with all local, state and federal laws and regulations. Debris disposal into the sewer system is entirely prohibited.

2. Underlayment Material Application:

The requirements of this section apply to both existing and new manholes, as dictated by project requirements to produce an acceptable coating system installation.

- a. Prior to any surface coating work, the Contractor shall fill all voids (including any irregularities left by the removal of PVC liner tees) and restore the manhole surface to an even and uniform surface profile using an underlayment approved by the coating manufacturer as compatible with the coating system being applied.
- b. The underlayment shall be installed over a clean surface prepared in accordance with the requirements of this specification. The Contractor shall employ whatever means necessary (e.g., humidity control, temperature control, additional blasting, mechanical surface preparation, etc.) to ensure proper curing of the underlayment layer, strong adherence of the underlayment layer to the prepared manhole surface, and strong adherence to any layer installed over the underlayment layer.
- c. After installation, the underlayment shall be uniform, free of trowel marks and irregularities. Irregularities shall be defined as any void, depression, ripple, wave, bubble, bump exceeding 1/8" in height or depth from flush, or crack anywhere within the underlayment material. It is the responsibility of the Contractor to identify conditions that may require additional underlayment thickness in order to meet the requirements of this specification. The additional underlayment work will be done at no additional cost to Pima County.
- d. This paragraph shall apply to those manholes where one or more adhesion tests are required. (Refer to the section herein titled "ADHESION/BOND TESTING"). For such manholes, after the underlayment layer has cured for a minimum of 4 hours but before the surface coating has been applied over the underlayment layer, the Contractor shall test the underlayment layer for proper adhesion to the underlying substrate in accordance with the section herein titled, "ADHESION/BOND TESTING ". Only if the underlayment layer in a manhole passes the adhesion test(s) in that manhole shall the Contractor progress to the next step of surface coating application. If the underlayment layer does not pass the adhesion test(s), the Contractor shall perform the remedial and retesting procedures described in the "ADHESION/BOND TESTING" section. The remedial and retesting procedures shall be performed at no additional cost to Pima County and shall be completed prior to progressing to the next step of surface coating application.

- e. The final underlayment surface shall be consistent with an ICRI CSP value of 2 to 3.
 - f. If offset barrel sections are present in a manhole, the offsets shall be corrected using a fillet of approved material to create a smooth transition. The final angle of the filleted surface shall be no steeper than 1:12.
3. Surface Coating Application:
- a. Prior to applying the surface coating, the underlayment shall be cleaned by water blasting at a minimum of 5,000 psi at 4 gpm.
 - b. The approved surface coating shall be mixed in a clean, dry mixing container or tank/vessel when part of a specialized application assembly.
 - c. The Contractor shall ensure strong adherence of the surface coating layer(s) to the underlying substrate and proper curing of the surface coating layer(s), using methods that are approved by the coating manufacturer. If the surface coating is applied in two or more layers, the time between applications of the various layers shall be controlled, as specified by the coating manufacturer, to ensure proper bonding between layers.
 - d. For all coatings, trowel marks and other surface irregularities shall be removed by using a short nap mohair paint roller. The short nap mohair shall be dampened with water. Excess water shall be shaken off prior to use. The contractor shall submit an alternate procedure, approved by the coating manufacturer, to the RWRD Field Engineer for approval prior to using a different procedure.
 - e. The surface coating shall be carefully butted against and then feathered over (4-inches minimum) any PVC liners that exist on pipes passing through or connecting to the manholes to create a continuous corrosion barrier.
 - f. The required total cured thickness for the surface coating layer (not including the thicknesses of any underlayment or priming layers) for all coating systems shall be 3/16-inch or (187.5 mil).
 - g. Coating components that have begun to set shall not be recovered by adding additional liquid but shall be discarded.
 - h. Do not allow flowing water, chemicals or other liquids on the approved, applied, coating for a minimum of 4-hours after installation, or a longer period if recommended by the coating manufacturer. Any request for a deviation from the 4-hour minimum shall be made, in writing, to the RWRD Field Engineer at least 10 business days prior to the start of any activity.
 - i. After installation, the final coating shall be uniform, free of trowel marks and irregularities that may interfere with the procedures and methods for the required final testing. Irregularities shall be defined as any void, depression, ripple, wave, bubble, bump exceeding 1/8" in height or depth from flush, or crack anywhere within the final coating material. No sag or run in the final coating that creates a void or thinning of the material or other irregularity that detracts from the even and uniform surface shall be accepted. The final surface profile shall be consistent with an ICRI CSP value of 1 to 2. Any of the aforementioned irregularities or other issues that detract from a uniform final coating and are not consistent with an ICRI CSP value of 1 to 2, shall be considered defects and shall be repaired using a manufacturer-approved method. The repairs shall be done at no cost to Pima County.

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- j. All coating termination edges shall be locked in to the substrate with a termination groove "key" cut into the substrate. The "key" shall be a minimum of 1/8" wide x 1/4" deep.
- k. If offset barrel sections are present in the manhole, the offsets shall be corrected using a fillet of approved material to create a smooth transition. The final angle of the filleted surface shall be 1:12.

E. ADHESION TESTING:

Adhesion testing shall be performed at two different stages of the work. Adhesion of the underlayment layer to the underlying substrate shall be tested before the surface coating layer(s) are applied. Later, after the surface coating layer(s) have been applied, the adhesion of all applied layers in the coating system to one another and to the underlying substrate shall be tested. The adhesion testing shall be completed as follows:

1. The number of required adhesion tests shall be based on the type and number of structures included in the work. In the case of manholes (as differentiated for the purposes of this item only from other sewer structures), there shall be a minimum of one (1) underlayment adhesion test and one (1) finished coating system adhesion test for every four (4) manholes at the discretion of FEU and Project Manager. In the case of other sewer structures (e.g., sewer diversion structures, pump station wet wells, metering stations, etc.), there shall be a minimum of two (2) underlayment adhesion tests and two (2) finished coating system adhesion tests for every such sewer structure.
2. The manholes to be subjected to adhesion testing and the specific test locations within each manhole shall be selected by the RWRD Inspector. The RWRD Inspector will be present to observe all adhesion testing.
3. The need to repeat an adhesion test due to an error in the performance of the adhesion testing (e.g., a dolly coming off prematurely) or due to a failure in the coating system before the required full test tensile load is applied (i.e., a "not pass" test result) shall not count as an additional test for the purposes of determining compliance with the minimum number of tests required per Item No. 1, but shall rather be designated and documented as a "repeat test". Repeat tests shall be done at no cost to Pima County.
4. After the underlayment layer has cured for a minimum of 4 hours (unless otherwise approved by the RWRD Field Inspector and/or Project Manager) but before the surface coating has been applied over the underlayment layer, the Contractor shall test the underlayment layer for proper adhesion to the underlying substrate. The Contractor shall perform the adhesion testing in-place and in accordance with ASTM Standard C1583-04 and the requirements of this section.
5. After the approved coating has been applied to all specified surfaces and has adequately cured (as determined by the manufacturer, but no more than 4 days), the Contractor shall test the finished coating system for adequate adhesion between the underlying substrate and the coating system, and between the various layers of the coating system. Said test shall be performed in place and in accordance with ASTM Standard D7234-12, with the exception of the flat surface requirement in section 7.1.1, and the requirements of this section.
6. The Contractor shall perform the adhesion testing discussed in this section using a DeFelsko Positest Pull-off Adhesion Tester Model AT-C or an equal approved by the RWRD Field Engineer. All required test equipment and materials shall be provided by the Contractor. The Contractor shall supply 50 mm-diameter dollies (as sold by DeFelsko, one dolly for each adhesion test, not re-usable) and the appropriate adhesive for the dollies as needed to perform all of the required tests. The Contractor shall also provide the equipment and tools to core drill around the test location in conformance with test procedure.
7. If delamination or any other failure occurs between or within any of the coating system layers and/or the underlying concrete substrate prior to the application of the full, sustained test tensile load of 80 psi, the

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test shall be classified as "not pass". However, if the dolly comes off the surface of the coating and no other delamination or failure occurs between or within any of the coating system layers and/or the underlying concrete substrate, the test will not be classified as a "failure" or "not pass", but the test shall be repeated at no additional cost to Pima County. If delamination or other failure occurs but only when the sustained, applied tensile load is in excess of 80 psi, the test shall also be judged to be a "pass". The contractors shall not stop the test or retest(s) once they exceed the 80-psi load but, shall continue the test to failure and the final break location and load recorded.

8. For tests that are classified as "not pass", the RWRD Inspector may require additional testing and/or remedial action. Remedial action may include removing the entire coating system, or select components, from the entire manhole, re-cleaning of the manhole, reapplication of the coating system to all required surfaces, and retesting. Said additional testing and/or remedial action shall be at no additional cost to Pima County.
9. After the adhesion tests have been performed, the Contractor shall mechanically grind down the test locations to the underlying substrate and re-apply the underlayment and/or coating system (whichever has been installed up to that point in the manhole) in accordance with these specifications to patch the area. Said repair work shall be at no additional cost to Pima County. The Contractor shall not use chemicals to dissolve the underlayment or coating system as a substitute for mechanical grinding of the test area.
10. If it is determined by the RWRD Field Engineer that excessive failures within the coating system or its individual parts are occurring, or if the results of adhesion testing indicate other deficiencies in the coating, the RWRD Inspector may direct the contractor to perform adhesion tests in additional manholes in order to resolve such issues. In the case of testing failures, said testing and remedial action shall be at no cost to RWRD or Pima County.

F. SPARK TESTING:

Holiday Testing (spark testing) is required only on the fully-installed finished coating system.

1. After the approved coating has been applied to all specified surfaces, the Contractor shall holiday test the coated surfaces. The Contractor shall provide, at no cost to Pima County, a third-party, NACE Certified Level 3 Coating Inspector (with active certification in good standing) to conduct the spark testing. All specialized testing equipment necessary to perform said testing shall be furnished by the third-party Coating Inspector and shall be in good condition. The Contractor shall be responsible for supplying all support services and equipment required to facilitate the third-party inspection at no additional cost to Pima County.
2. The contractor shall provide the NACE Level 3 certification and qualifications shall be submitted to the RWRD Field Engineering Manager for approval prior to the start of testing. For the purposes of this specification, NACE refers to the National Association of Corrosion Engineers International.
3. Holiday testing of coatings shall be conducted at no less than 100 Volts per mil thickness of installed coating unless pre-approved, in writing, by the RWRD Field Engineer. A request to deviate from the 100 Volts per mil minimum standard shall be submitted no less than 10 business days prior to the start any activity.
4. The wire brush and test electrodes shall be maintained in proper condition (i.e. no deformed bristles, bent or dirty brushes, etc.) so as to maintain constant contact with the coating surface. Should the RWRD Inspector determine that the brush being used does not conform to the criteria of this section, the brush shall be replaced at no expense to Pima County before spark testing may continue. The entire brush shall be in constant contact with the coating surface during spark testing.

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5. All holidays, pinholes or other deficiencies identified by the third-party Coating Inspector, shall be repaired following the coating manufacturer's recommendations and shall affect the smallest surface area possible. Repair procedures shall be submitted to the RWRD Field Engineer for approval before starting any activity. Five (5) Holidays or less may be repaired by the installer. Six (6) Holidays or more require third-party NACE Level 3 retest.
6. If after two repeated repair attempts are completed, the coating system fails to pass the spark test, the RWRD Inspector will notify the RWRD Field Engineer. All additional costs incurred to RWRD for having RWRD personnel on site for further repairs and inspections will be at the coating applicators cost.

G. CLEAN-UP:

Any spilled or over-sprayed material shall be removed prior to curing. After curing has occurred, clean-up may be accomplished by chipping or blasting. All discarded materials, including trash, shall be disposed of properly. Clean-up and disposal of discarded material and trash left by the crew shall be at no cost to Pima County. The clean-up area includes the area around the manhole, all Contractor vehicles and equipment, and any area where work materials have been left, stored or placed.

H. MATERIALS:

Materials shall be delivered to the site in factory sealed and labeled containers. Date of manufacture shall appear on each container. Materials shall be handled and stored according to the strictest requirements of the manufacturer and in accordance with all local, state and federal laws and regulations. Improperly stored or otherwise mishandled materials may be disallowed from use for the project at the sole discretion of the RWRD Inspector. A bill of lading for any shipment of material shall be provided upon request of the RWRD Inspector or PM.

I. MILESTONES:

At each manhole, the RWRD Inspector shall inspect the work completed to date at the conclusion of each milestone listed below before the Contractor shall commence work on the next milestone. It is the contractor's responsibility to contact the RWRD Inspector when ready for inspection. Both the contractor and the RWRD Inspector will meet at a time mutually agreed upon to conduct the milestone inspections. Failure to have inspection performed prior to moving to the next step/milestone may result in corrective action involving removal of completed work to the point of the last inspection. For example, not having the underlayment inspected before installing the surface coating may require the surface coating to be removed to expose the underlayment layer for inspection. The required corrective action will be at the sole discretion of the Field Engineer and shall be at no cost to Pima County. The inspection milestones are as follows:

1. Completion of the cleaning and surface preparation activities required by these specifications.
2. Completion of all void-filling activities and underlayment application, prior to surface coating application, including the associated adhesion testing of the underlayment layer.
3. Completion of the surface coating installation prior to testing.
4. Adhesion/bond testing of the finished coating system as required by these specifications.
5. Holiday (spark) testing of the final surface coating as required by these specifications.

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6. Final clean-up of the area

J. WARRANTY AND BONDING:

- A. The contractor shall provide a renewable maintenance bond to cover all workmanship and all materials for each manhole or structure coated with an approved corrosion protective coating, renewed as needed to comply with this specification, which shall be in effect for a period of not less than three (3) years from the date of Final Acceptance of the project.
 - 1. The contractor shall submit their Bond and Warranty to the RWRD Field Engineer through the RWRD Inspector prior to and as a condition of project Final Acceptance.
 - 2. Warranty also applies to repair materials, primers, or any other products used in the application.
 - 3. The bond shall also be unconditional in nature covering any type of failure in the coating and agreeing to repair or replace at no additional cost to PCRWRD at any point during the 3-year period.
- B. The contractor shall provide a 5-Year Warranty from the Coating Manufacturer that is addressed to PCRWRD.
- C. Coating failure is defined as blistering, cracking, embrittlement, bubbling, softening, or failure to adhere to the substrate. The RWRD Field Engineer shall be the sole judge of coating failure.
- D. Testing performed by PCRWRD during construction (e.g., spark testing, adhesion testing, and/or other testing) does not in any way modify the Warranty, nor relieve the Contractor from the responsibility for responding and correcting defects during the Warranty period.

K. MAINTAIN & PROTECT EXISTING SEWER FLOWS:

The Contractor shall be aware that the existing manholes included in this project are active, functioning manholes. The Contractor shall be required to maintain existing sewer flows in accordance with the Approved Flow Management Plan (FMP) for the project. Flow management operations shall never be implemented, modified, or discontinued without the explicit permission of the RWRD FEU Manager and/or delegee.

For new sewer lines installed as part of this project, no sewer flows shall be permitted within said sewer lines until the requirements of this specification are fully satisfied for all manholes that are required to be coated, and the work has been accepted by the Field Engineer.

The Contractor shall take all necessary precautions to prevent debris from damaging the manhole and/or entering the sewer at no cost to Pima County. The RWRD Inspector shall approve the Contractor's precautions prior to any work being conducted. The Contractor shall immediately remove from the sewer lines any material that enters the sewer lines due to his operations, at no cost to Pima County.

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Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

PERFORMANCE HISTORY

INFORMATION REQUIRED FROM SUCCESSFUL BIDDER ONLY (MUST BE COMPLETED AND SUBMITTED AFTER THE BID OPENING)

PERFORMANCE HISTORY FOR THE APPLICATION OF THE SPECIFIED OR SIMILAR COATING SYSTEM IN SANITARY SEWER STRUCTURES:

(Attach additional sheets as necessary.)

Contractor Name:

Project:

Date:

Locations:

Client:

Client Phone No.:

Material Applied:

Failures and Remedial Action:

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SUB APPENDIX G (8 Pages)

CONSTRUCTION SAFETY PLAN OUTLINE

Introduction

The following outline will assist the Contractor in the development of a **Safety Plan** for maintaining a safe and healthful worksite while performing construction activities for Pima County Wastewater Management. The pre-construction meeting will identify specific safety requirements of the project and overall safety concerns. Items identified shall be included in the safety plan.

The safety plan should be tailored to the particular project as detailed in the construction specifications and drawings. The Contractor shall impose this plan on his Subcontractors and their employees working on all projects for Pima County Wastewater Management.

Please number the pages and indicate the safety plan revision number and date on the cover, table of contents, or other suitable page, preferably on all pages.

Safety Plan Outline: The following items should be addressed as appropriate to the project.

G1 Applicable Regulations

- ☐ OSHA 29 CFR 1926 "Safety and Health Regulations for Construction".
- ☐ OSHA 29 CFR 1910 "General Industry Safety and Health Regulations Identified as Applicable to Construction".
- ☐ All other applicable regulations.

G2 Required Submittals

- ☐ Crane Operator and equipment.
- ☐ Welding - American Welding Society (AWS) Certification.
- ☐ Pressure vessels - Meeting ASTM standards.
- ☐ Asbestos - Licenses, Medicals, Fit Tests, Respiratory Protection Program.
- ☐ Rigging Plan.
- ☐ Excavation Plan, Cave-in Protection, Dewatering Plan, Utilities Support.
- ☐ Confined Space Entry Procedure
- ☐ Fall Protection Plan.
- ☐ OSHA 200 Logs.
- ☐ Environmental Protection (See Flow Management) Plan
- ☐ Certificates of Insurance with County identified as additional insured. Include Motor Vehicle Insurance.
- ☐ Competent Person Qualifications. ie. Excavations, Scaffolds, etc.
- ☐ Safety Representative's Qualifications.
- ☐ Personnel Qualifications for working on energized electrical circuits; Union cards or equivalent.
- ☐ Respiratory Protection Program.

G3 General Information

H3-1 Safety Performance:

- ☐ Copy of the company record of injuries and accidents (OSHA 200 logs).
- ☐ Insurance experience modification rate for the past two years.

H3-2 Contractor's Name:

- ☐ Name of project superintendent
- ☐ Phone number to contact project superintendent (on and off site)
- ☐ If a project manager is assigned, name and phone number

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H3-3 Project Name:

- ☐ Building Number
- ☐ Job Number

H3-4 Contractor's Designated Safety Representative:

- ☐ Phone number to contact safety representative
- ☐ Alternate
- ☐ Safety Training Documentation

G4 Responsibilities

G4-1 Prime Contractor:

- ☐ Ultimate responsibility for all safety including safety of Subcontractor.
- ☐ Designates safety representative.
- ☐ Ensure that safety plan is part of contract with all Subcontractors.
- ☐ Coordinates and plan work activities among all Subcontractors.
- ☐ Meet the requirements of the applicable regulations.
- ☐ Establish company safety rules and policies.
- ☐ Correct safety deficiencies when noted in safety inspection.

G4-2 Contractor's Safety Representative:

- ☐ Inspect work areas, including Subcontractors for unsafe conditions, including tools, equipment, and proper protective clothing. Establish inspection frequency. (See Checklist)
- ☐ Inspects work areas, including Subcontractors for unsanitary conditions, poor housekeeping, etc. Establish inspection frequency. (See Checklist)
- ☐ Ensures that any unsafe and/or unsanitary condition is corrected.
- ☐ Initiates method of reporting unsafe conditions to prime Contractor for correction, include remedial action to be taken. Copies of safety inspection to be sent to the Project Manager.
- ☐ Proposed follow-up on changes, corrections and other actions necessary to correct unsafe conditions.
- ☐ Coordinates activities with Subcontractors to ensure work proceeds in accordance with applicable safety requirements.
- ☐ Reviews possible safety hazards, construction activities, etc. with their employees and Subcontractors.
- ☐ Coordinates certifications, training, record keeping, etc. Keeps records in central area available for review.

G4-3 Subcontractors:

- ☐ Responsible for safety of their employees.
- ☐ Reviews possible safety hazards, construction activities, etc. with their employees.
- ☐ Ensures that their foreman and employees understand precautions to be taken.
- ☐ Inspects hand tools and equipment regularly that are used in construction activities.
- ☐ Corrects safety deficiencies when identified and notified.
- ☐ Inform prime Contractor immediately of any unsafe condition or activity.

G5 Fire, Medical, and Environmental Emergencies

For County work area emergency services, fire, medical and spill response, identify within the safety plan the providers of these services for any emergencies arising while performing work for County:

- ☐ Site and Facility-specific information and training detailed within the safety plan.
- ☐ Identify the provider of emergency medical transportation.

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- ☐ Identify local emergency phone numbers within the safety plan and conspicuously posted at the jobsite.
- ☐ Immediately notify the Pima County Wastewater management Project Manager in the event of any emergency. Project Manager phone and pager number identified within the safety plan and clearly posted in a conspicuous location.

G5-1 Serious injuries:

- ☐ For ambulance, the appropriate emergency number.
- ☐ Appropriate steps to be taken by prime Contractor first aid station until arrival of ambulance.
- ☐ Immediately notify Project Manager, Construction Inspector, or Field Engineering Office at (520) 740-2651.

G5-2 Fire Protection and Prevention:

- ☐ Fire protection equipment provided by prime Contractor, one fire extinguisher for each vehicle.
- ☐ Fire protection equipment provided for special construction activities, i.e., welding, flame cutting, etc., one fire extinguisher for each operation.
- ☐ Welding/cutting permit.
- ☐ One fire watch with no other duties assigned per open flame operation.
- ☐ For any fire notify the proper emergency number.
- ☐ Immediately notify Project Manager, Construction Inspector or Field Engineer Office at 740-2651.
- ☐ Within 72 hours of incident, submit written narrative report to Project Manager indicating:
 - o Type
 - o Cause
 - o Planned remedial action
 - o Injuries

G5-3 Environmental Protection (Spill Prevention)

- ☐ Use of containment
- ☐ Storage and handling of hazardous materials
- ☐ Operation, maintenance and repair of equipment
- ☐ Daily equipment inspection for leaking or loose fluid retention systems

G5-4 Housekeeping

- ☐ Daily requirements
- ☐ Removal of combustible debris
- ☐ Collection containers
- ☐ Handling asbestos or lead

G5-5 illumination

- ☐ Areas illuminated
- ☐ Maintenance of equipment
- ☐ Separate circuits for lighting and power

G5-6 Sanitation

- ☐ Equipment provided
- ☐ Maintenance of equipment

G5-7 Protective Equipment

- ☐ Type required for project
- ☐ Responsibility for use
- ☐ Appropriate construction attire; shirts with sleeves, long pants, safety shoes
- ☐ Respiratory Protection and associated written program

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G5-8 Safety Training and Education

An outline of training to be provided to company and Subcontractor employees. Outline shall include:

- ☐ The topics to be discussed.
- ☐ Frequency of training.
- ☐ Personnel to receive training
- ☐ The training provider whether it be an employee (ie. Contractor safety representative, etc.) or a Subcontractor. For example, all newly hired employees should receive initial training in the OSHA construction safety and health requirements, hazard recognition and avoidance for their particular job category.
- ☐ Prior to each change in project phase a safety awareness meeting should be held with all affected employees and Subcontractor employees.
- ☐ Toolbox safety talks should be held at least weekly to discuss the hazards of that particular week's activities.
- ☐ Safety - oriented posters and signs
- ☐ Contractor and Subcontractor employee safety training
- ☐ Training records shall be kept at the jobsite and forwarded to BNL.

G5-9 Safety Records

Safety Records shall include:

- ☐ Accident investigation and reporting procedure.
- ☐ Accident log.
- ☐ Notification of any accidents to Project Manager, Construction Inspector or Field Engineer Office at 740-2651.

G5-10 Electrical Safety

- ☐ Ground-Fault Circuit-Interrupters (GFCIs).
- ☐ Lock-out/Tagout (LOTO) of Electrical sources.
- ☐ Extension cord inspection and condition.
- ☐ Working on energized circuits permits, procedures, and personnel qualifications.

G5-11 Confined Spaces

- ☐ Permits.
- ☐ Oxygen deficiency monitoring.
- ☐ Hazardous gases/vapors monitoring.
- ☐ LOTO of hazardous energy sources.
- ☐ Entry and exit procedures.
- ☐ Two man rule and communication.
- ☐ Emergency rescue equipment.

G5-12 Hazard Communication

- ☐ Name the individual responsible for maintaining this information and his/her responsibilities.
- ☐ Location and availability of the written Hazard Communication Program.
- ☐ Location and availability of Material Safety Data Sheets (MSDS) for all materials onsite.
- ☐ The type and frequency of Employee training.

G5-13 Mobile Equipment

- ☐ Registered vehicles, license plates.
- ☐ Operator qualifications, Commercial Driver's License (CDL) or equivalent.
- ☐ Operator's manual with all material handling equipment.
- ☐ Daily inspection for fluid levels and leaking or loose fluid retention systems.
- ☐ Backup alarms.
- ☐ Tarp Loads.
- ☐ Rollover Protective Structure (ROPS) cab.

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- ☐ Leak-free.
- ☐ Maintain and repair offsite.

G5-14 Fall Protection

- ☐ Fall protection plan specific to job.
- ☐ Body harness inspection.
- ☐ Lanyard inspection.
- ☐ Anchor points, types and locations.
- ☐ Guarding system. Roof edges, floor holes, wall openings, scaffolds, peaked roofs, work platforms (powered or stationary).
- ☐ Training.

G5-15 Excavation

- ☐ Digging Permit.
- ☐ Excavation Plan describing the method to protect workers from cave-ins.
- ☐ Dewatering plan.
- ☐ Competent Person qualifications. Training, Hazard Identification, Authority
- ☐ Barricading against people and vehicles.
- ☐ Confined Space permit (where required).
- ☐ Hand-dig near utilities.
- ☐ Cave-in protection if five feet or deeper.
- ☐ Rigging plan for materials in and around the excavation.
- ☐ Contingency plan for discovery of contaminated soils.

G5-16 Rigging

- ☐ Rigging plan describing the proposed methods for handling materials and equipment at the jobsite.
- ☐ Operator's manual with all material handling equipment.
- ☐ Documented inspection for compliance with OSHA requirements within 48 hours of notification of intent to perform Rigging Operations.
- ☐ Arizona Crane operator's license.
- ☐ Load Charts for all lifting machinery.
- ☐ Swing radius and barricading.
- ☐ Staging and path of material movements.
- ☐ Sling inspections.
- ☐ Sling tags.
- ☐ 48 hour notification to Project Manager prior to lift.
- ☐ Potential kiteing effects and calculations.
- ☐ Tag lines and location of line handlers.
- ☐ Weight of the load or lift.
- ☐ Center of gravity marked on item to be lifted.
- ☐ Valid Arizona driver's license for forklift operators.

G5-17 Temporary Services

- ☐ 48-hour notification to Project Manager.
- ☐ All requests and approvals made through Project Manager.
- ☐ Construction trailer service line height and code requirements per National Electric Code (NEC).
- ☐ Coordinate temporary services with Subcontractors.
- ☐ Toilet facilities.
- ☐ Telephone services.

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G5-18 Asbestos/Lead

- ☐ Inspection.
- ☐ Contingency plan for discovery.
- ☐ Awareness training.
- ☐ Respiratory protection program.

G5-19 Drug-Free Workplace

Written Drug-Free Workplace Program to Include:

- ☐ Policy Statement ii) Prohibited activities
- ☐ Supervisor and Employee Responsibilities
- ☐ Enforcement and consequences for violations

Ongoing drug-free awareness training program for Supervisors and Employees to Include:

- ☐ Intervention Procedures - employee and supervisor.
- ☐ Identification - Signs and Symptoms
- ☐ Corrective action
- ☐ Employee Assistance Options

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Services

SAFETY CHECKLIST

PROJECT:

JOB #:

DATE:

TIME:

Indicate the corrective action taken, date, initial

INSPECTION ITEM

1. Access
2. Ramps/Walkways
3. Cylinders Concrete & Masonry
4. Cranes & Hoists
5. Electrical
6. Excavation & Trenching Fall Protection
7. Confined Space Entry
8. Environmental Protection (Spill Prevention)
9. Fire Protection & Prevention Flammable & Combustible Liquids
10. Floor & Wall Openings
11. Hazard Communication
12. Heavy Equipment
13. Housekeeping
14. Illumination
15. Ladders & Scaffolds
16. Material Handling, Storage & Use Occupational Health & Environmental Controls
17. Personal Protective Equipment
18. Radiation Safety
19. Signs & Barricades
20. Steel Erection
21. Tools, Hand & Power
22. Welding & Cutting
23. Other (Postings)
24. Comments

INSPECTOR:

DATE:

cc:

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PHASE-HAZARD ANALYSIS

WORK PHASE*	HAZARD	PREVENTION/CONTROL
Mobilization/Staging		
Site Clearing		
Demolition		
Excavation		
Concrete/Masonry		
Structural Steel		
Masonry/Exterior Work		
Roofing		
Flooring		
Utilities		

* Use Safety Checklist as a guide to identify activities and hazards requiring attention within each work phase.

END SUB APPENDIX G

END EXHIBIT A – SCOPE OF SERVICES

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EXHIBIT B - GENERAL CONDITIONS (14 Pages)

ARTICLE 1 – DEFINITIONS

Whenever in these Specifications, or in any document of instructions where these Specifications govern, the following terms or pronouns in place of them are used, the intent and meaning will be interpreted as follows:

Bid: The offer of the Bidder for the work when properly made out on forms containing the Bid for Lump Sum Construction supplied by County and properly submitted, signed and guaranteed.

Bid Documents: All Drawings, Technical Specifications, Supplementary General and/or General Conditions, Bid Schedule, Construction Contract and Bonds, and Contract Documents.

Bidder: Any individual, firm or corporation, qualified as herein provided, legally submitting a Bid for the work contemplated, acting directly or through an authorized representative.

Board: The Board of Supervisors, Pima County, Arizona, acting under authority of the laws of Arizona.

Building Code: The directions, provisions, and requirements contained in the current edition of the Building Codes, with Amendments, as adopted by Pima County, supplemented by such special provisions as may be necessary, pertaining to the method and manner of performing the work, quality and quantity of material to be furnished and measurement for payment of same.

Contract: The written Agreement between County and Contractor covering the performance of the work and the furnishing of labor, equipment, and materials in the construction of the work.

Contract Bond: The approved form of security furnished by Contractor and its Surety as a guarantee on the part of Contractor to execute the work in accordance with the terms of the Contract.

Contractor: The party who undertakes to execute the work, acting directly or through an authorized lawful agent or employee.

Pima County: Pima County, Arizona, a body politic and corporate, the owner of the work.

Department: The Pima County Regional Wastewater Reclamation Department

Director: The Pima County Department Director, an assistant or other representative duly authorized by a Department Director to act on their behalf.

Extra Work: Work, including materials, for which no price agreement is contained in the Contract and which is deemed necessary for the proper completion of the work.

Item: A detail of work for which separate payment is made.

Laboratory: The established laboratory of the Department or other laboratories authorized by County to test materials and work involved in the Contract.

Plans: The Contract drawings or exact representations thereof, which show the location, character, dimensions, and details of the work.

Project Manager, Engineer, or Architect: The person designated by County to oversee the project on its behalf.

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Standard Specifications: The directions, provisions, and requirements contained in the current edition of the Pima Association of Governments (PAG) Standard Specifications and Details for Public Improvements, 2015 Edition with Amendments, as adopted by Pima County, supplemented by such special provisions as may be necessary, pertaining to the method and manner of performing the work, quality and quantity of material to be furnished and measurement of payment of same.

Supplementary Agreement: A written agreement executed by Contractor and County covering alterations to the project. A change order or a force account work request prepared on the approved form of the Department is a supplementary agreement.

Supplementary General Conditions or Special Conditions: The Supplementary General Conditions or Special Conditions are additional to the General Conditions, which are conditions or requirements peculiar to the project under consideration.

Surety: The corporate body which is bound with and for Contractor, who is primarily liable, and which (agrees) to be responsible for its payment of all debts pertaining to and for its acceptable performance of the work for which it has contracted.

The Work: All of the work specified in the Contract.

ARTICLE 2 – RESPONSIBILITY REGARDING EXISTING UTILITIES AND STRUCTURES

The existence and locations of underground utilities indicated on the plans are not guaranteed and will be investigated and verified in the field by Contractor before starting work. Excavations in the vicinity of existing structures and utilities will be carefully done by hand. Contractor will be held responsible for any damage to, and for maintenance and protection of existing utilities and structures.

County does not guarantee the existence and locations of underground utilities indicated on the plans and Contractor will investigate and verify the location of underground utilities in the field before starting work. Contractor will carefully perform excavations in the vicinity of existing structures and utilities. Contractor is responsible for any damage to, and for maintenance and protection of, existing utilities and structures. At least 2 full working days prior to commencing excavation, contractor must call blue Stake Center, 1-800-STAKE-IT, between the hours of 7:00 a.m. and 4:30 p.m., Monday through Friday for information relative to the location of buried utilities.

Contractor is fully responsible for costs incurred due to damage to utilities as a result of grading or excavation operations. Utility locations shown on the Plans are approximate, and not all utilities may be shown. The possibility of conflicts with existing utilities –in-place exists. If conflicting utilities interfere with Contractor's normal progress toward completion of this project, County may, at its option, authorize Contractor to relocate said conflicting utilities by Force Account.

It is the responsibility of Contractor to contact the utility companies in order for them to determine if there is a need for any bracing or shoring of power to telephone poles during the construction of this project. If bracing or shoring is necessary, Contractor will affect this work to the satisfaction of the utility company. County will make no measurement or direct payment for bracing or shoring.

ARTICLE 3 – LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

- A. Laws to be Observed -- Contractor is presumed to be familiar with and at all times will observe and comply with all Federal and State laws and local ordinances, worker's compensation, occupational disease, and unemployment compensation laws together with the payment of all premiums and taxes therefor, also all laws, ordinances, and regulations in any manner affecting the conduct of the work and will indemnify and hold harmless County and its representatives against any claim arising from the violations of such laws, bylaws, ordinances or regulations, whether by Contractor or by Contractor's employees.

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- B. Permits and Licenses -- County will procure all County building permits, and sewer connection fees. Contractor will post required permits on site and give all notices necessary and incidental to the due and lawful prosecution of the work. Contractor will procure and pay for all other permits, fees, and applications for water, gas, electric and other utilities.
- C. Sanitary Provisions -- Contractor will provide and maintain in a neat and sanitary condition such accommodations for the use of its employees as may be necessary to comply with the requirements and regulations of the Arizona Department of Health Services or other authorities having jurisdiction therein.
- D. Public Convenience and Safety -- Contractor will have due regard for the public health and will conduct the work in such a manner as to provide and insure the safety and convenience of the public.

When special conditions prevail and extraordinary measures are necessary, the details will be set forth in the Technical Specifications or Special Provisions.

- E. Barricades, Danger, Warning, and Detour Signs -- Contractor will at its expense and without further order provide, erect, and maintain at all times during the progress or temporary suspension of the work such barricades, fences, warning lights, danger signals, reflectors, signs, or other protective devices as are required to ensure the safety of the public, those engaged in connection with the work and the work itself.

Unless otherwise expressly stated in the Contract, no measurement or direct payment for this work will be made, but the cost of providing, erecting, and maintaining such protection devices, including guards, watchmen and/or flagmen as required will be considered as included and paid for in the contract prices for the work.

- F. Use of Explosives -- Prohibited
- G. Preservation and Restoration of Property -- Contractor will be responsible for the preservation of all public and private property on the surface or underground, along and adjacent to the work and will conduct its operations so as to insure the prevention of injury or damage thereto. No land monuments or property will be disturbed or moved until an authorized agent has witnessed or otherwise referenced their locations.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work, or in consequence or the non-execution thereof on the part of Contractor, Contractor will restore such property at its own expense to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring same, or it will make good such damage or injury in an acceptable manner.

- H. Contractor's Responsibility for Work -- Until written final acceptance of the work by County, Contractor will have the charge and care thereof and will take every precaution against injury or damage to any part thereof by action of elements, or from any other cause, whether arising from the execution or non-execution of the work. Contractor will rebuild, repair, restore, and make good all injuries or damages of any portion of the work occasioned by any of the above causes before final acceptance and will bear the expense thereof.

In case of the suspension of work for any cause whatever, Contractor will be responsible for all work and materials and will take proper care of the work, storing all materials if necessary, and will provide suitable drainage of the work and erect necessary temporary structures.

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- I. Waiver of Legal Rights -- County will not be precluded or be estopped, by any measurement, estimate, or certificate made either before or after the completion and acceptance of the work and payment therefor, from showing the true amount and character of the work performed and materials furnished by Contractor, or from showing that any such measurement, estimate, or certificate is untrue or incorrectly made, or that the work or materials do not conform in fact to the Contract. Neither the acceptance by County or by any representative of County nor any payment, nor acceptance of the whole or any part of the work, nor any extension of time, nor any possession taken by County will operate as a waiver of any portion of the Contract or of any power herein reserved, or any right to damage herein provided. A waiver of any breach of the Contract is not a waiver of any other subsequent breach.

ARTICLE 4 – ACCIDENTS

Contractor will provide, at the site, such equipment and medical facilities as are necessary to supply first-aid service to anyone who may be injured in connection with the work.

Contractor must promptly report in writing to County all accidents whatsoever arising out of, or in connection with the performance of the work, whether on or adjacent to the site, which caused death, personal injury, or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages are caused, Contractor will report the accident immediately by telephone or messenger to both County and the Board.

If any claim is made by anyone against Contractor or any subcontractor on account of any accident, Contractor will promptly report the facts in writing to County, giving full details of the claim.

ARTICLE 5 – RESERVED

ARTICLE 6 – DELAYS

If the number of calendar days in Contractor's schedule plus the grace period specified in the above paragraph equals or exceeds the number of calendar days for completion stated in the solicitation, then the completion period will be as stated in the solicitation and there will be no grace period.

County and Contractor have agreed upon the Project scope, total price, and schedule for the performance of the work. The agreed schedule represents a firm commitment by Contractor and County to complete the work within the schedule identified in this Contract, as it may be adjusted from time to time.

County and Contractor understand that events may occur that delay or disrupt the schedule or require a change in the level of resources or effort. Therefore, the Contract may be adjusted as follows for Delays:

1. A delay in the work attributable to County is an excusable delay for which an adjustment may be made to the schedule. In any such case the schedule of the affected task or activity may be extended 1 day for each day of County-caused delay; provided, however, that if the County-caused delay overlaps a period of delay attributable to any other cause, the extension for County-caused delay is limited to the number of non-overlapped days of County-caused delay.
2. There is no adjustment for any Contractor-caused delay in the work, including time to repair or replace defective work. In the event of a significant Contractor-caused delay exceeding 2 workdays, Contractor will provide a recovery plan to County within 5 days of County's request.
2. A delay in the work attributable to any other cause, including strikes, lockouts, fire, unusual delay in transportation, unavoidable casualties or any causes beyond the control of County or Contractor and that arises without the fault or negligence of either, is an excusable delay for which County and Contractor agree to negotiate an appropriate schedule adjustment. If the period of delay attributable

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to any cause under this paragraph overlaps a period of delay attributable to any other cause, the adjustment under this paragraph will be made first and the delay attributed to such other cause will be limited to that occurring outside of the overlap.

3. If any of the causes of delay in Paragraphs 1 or 3 above affects a task or activity on the critical path, then the schedule adjustment may include adjustment to the completion date. If the cause does not affect a task or activity on the critical path, then the adjustment will be made from Float and the completion date shall not be changed.
4. If any of the causes of delay in Paragraphs 1 or 3 above results in material provable additional costs to the affected task or tasks as a result of disruption of the schedule, then the parties will negotiate an equitable adjustment therefor.
6. County and Contractor will negotiate an equitable adjustment of cost for any task or tasks for which there is any significant change in the level of effort arising from additional or changed work requested or directed in writing by County that materially deviates from or adds to the work.

Contractor must submit claims for extension of time in writing to County for review and approval no later than 7 days after the initiation of that delay. In the case of a continuing cause of delay, only 1 claim is necessary.

County will grant approval of time extension for delays only based on the verification of a daily log maintained by the superintendent at the job site. The daily log must segregate and document each individual delay occurrence, and then separately track the job costs attributable to changes in the work noted in Article 21. Contractor's failure to maintain the daily logs in the manner described above will result in County's denial of the claim for time extension.

If Contractor has requested detail drawings and instructions as noted in Article 9, County will not approve a request for delay on account of County's failure to furnish drawings until 2 weeks after demand for such drawings.

ARTICLE 7 – EXECUTION, CORRELATION, AND INTENT OF DOCUMENTS

The Contract documents are complementary, and what is called for by anyone will be as binding as if called for by all, and the most stringent requirement will apply. The intention of the documents is to include all labor and materials, equipment, and transportation necessary for the proper execution of the work. It is not intended, however, that materials or work not covered by or properly inferable from any heading, branch, class, or trade of the specifications will be supplied unless distinctly so noted on the drawings. Materials or work described in words that so applied have a well-known technical or trade meaning will be held to refer to such recognized standards.

ARTICLE 8 – DETAIL DRAWINGS AND INSTRUCTIONS

County will furnish with reasonable promptness, additional instructions, by means of drawings or otherwise, necessary for the proper execution of the work. All such drawings and instructions will be consistent with the Bid documents, true developments thereof, and reasonably inferable therefrom.

ARTICLE 9 – COPIES OF DRAWINGS FURNISHED

County will provide, at no cost to Contractor, 2 complete sets of code approved construction documents in non-reproducible form.

County will provide, at no cost to Contractor, 5 non-reproducible sets of construction documents used during the course of bidding the work (Bid Sets) for execution on the work. It will be Contractor's responsibility to ensure that any modifications called for as a result of the permit process are transferred to the bid sets.

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Contractor may purchase additional sets of code-approved sets or bid sets construction documents, at its expense.

ARTICLE 10 – ORDER OF COMPLETION

Contractor will submit at such times as may be requested by County, schedules which will show the order in which Contractor proposes to carry on the work with dates at which Contractor will start the several parts of the work and estimated dates of completion of the several parts.

ARTICLE 11 – CONSTRUCTION DOCUMENTS ON THE JOB SITE

Contractor will keep 1 copy of code approved construction documents on the job site, in good order, available to County and to County's representatives. This set of documents will be kept current as to pending and approved changes in the work.

ARTICLE 12 – OWNERSHIP OF DRAWINGS

All drawings, specifications, and copies thereof furnished by County are the property of County. They are not to be used on other work and with the exception of the signed Contract set, and are to be returned to County on request, at the completion of the work. All models are the property of County.

ARTICLE 13 – CONTRACTOR'S UNDERSTANDING

Contractor has, by careful examination, satisfied itself as to the nature and location of the work, the conformation of the ground, the character of equipment and facilities needed preliminary to and during the prosecution of the work, the general and local conditions, and all other matters which can in any way affect the work under this Contract. No verbal agreement or conversations with any officer, agent or employee of County, either before or after the execution of this Contract, will affect or modify any of the terms or obligations herein contained.

ARTICLE 14 – MATERIALS, APPLIANCES, EMPLOYEES

Unless otherwise agreed, Contractor will provide and pay for all materials, labor, water, tools, equipment, light, power, transportation, and other facilities necessary for the execution and completion of the work.

Unless otherwise agreed, all materials will be new, and both workmanship and materials will be of good quality. Contractor will, if required, furnish satisfactory evidence as to the kind and quality of materials.

Contractor will at all times enforce strict discipline and good order among its employees and will not employ on the work any unfit person or anyone not skilled in the work that Contractor assigns to that person.

ARTICLE 15 – ROYALTIES AND PATENTS

Contractor will pay all royalties and license fees. Contractor will defend all suits or claims for infringement of any patent rights and will hold County harmless from loss on account thereof, except that County will be responsible for all such loss when a particular process or the product of a particular manufacturer or manufacturers is specified, but if Contractor has information that the process or article specified is an infringement of a patent it will be responsible for such loss unless it promptly gives such information to County.

ARTICLE 16 – SURVEYS, PERMITS, AND REGULATIONS

County will furnish all property surveys unless otherwise specified. Contractor will secure and pay for permits and licenses of a temporary nature necessary for the prosecution of the work except as noted in

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Article 3.b. County will secure and pay for easements for permanent structures or permanent changes in existing facilities unless otherwise agreed.

Contractor will give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If Contractor observes that the drawings and specifications are at variance therewith, it will promptly notify County in writing, and any necessary changes will be adjusted as provided in the Contract for changes in the work. If Contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to County, it will bear all costs arising therefrom.

ARTICLE 17 – PROTECTION OF WORK AND PROPERTY

Contractor will continuously maintain adequate protection of all its work from damage and will protect County's property from injury or loss arising in connection with this Contract. It will make good any such damage, injury, or loss, except such as may be directly due to errors in the bid documents or caused by agents or employees of County. It will adequately protect adjacent property as provided by law and the bid documents. It will provide and maintain all passageways, guard fences, lights, and other facilities for protection required by public authority or local conditions.

If an emergency should occur affecting the safety of life or the work or of adjoining property, Contractor, without special instruction or authorization from County, is hereby permitted to act at his discretion, to prevent such threatened loss or injury, and Contractor will so act, without appeal, if so instructed or authorized. Any compensation claimed by Contractor on account of emergency work will be determined by County.

Contractor is responsible for equipment, materials, and supplies until completion of the project and acceptance by County.

ARTICLE 18 – INSPECTION OF WORK

County representatives will at all times have access to the work wherever it is in preparation or progress and Contractor will provide proper facilities for such access and for inspection.

If the specifications, County's instructions, laws, ordinances, or any public authority, require any work to be specially tested or approved, Contractor will give County timely notice of its readiness for inspection and if the inspection is by an authority other than County, of the date fixed for such inspection. Inspections by County will be promptly made, and where practicable at the source of supply. If any work should be covered up without approval or consent of County, it must, if required by County, be uncovered for examination at Contractor's expense.

Re-examination of questioned work may be ordered by County and if so ordered the work must be uncovered by Contractor. If such work is found to be in accordance with the bid documents, County will pay the cost of re-examination and replacement. If such work is found not to be in accordance with the bid documents, Contractor will pay such cost.

ARTICLE 19 – SUPERINTENDENCE - SUPERVISION

Contractor will keep on its work site during its progress a competent Superintendent and any necessary assistants, all satisfactory to County. The Superintendent will not be changed except with the consent of County, unless the Superintendent proves to be unsatisfactory to Contractor and ceases to be in its employ. The Superintendent will represent Contractor in its absence and all directions given to it will be as binding as if given to Contractor. Contractor will give efficient supervision to the work using its best skill and attention.

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If Contractor, in the course of the work, finds any discrepancy between the construction documents and the physical conditions of the locality, or any errors or omissions in the construction documents or in the layout as given by points and instructions, it will be its duty to immediately inform County, in writing, and County will promptly verify the same. Any work done after such discovery, until authorized, will be done at Contractor's risk.

Neither County nor Contractor, will employ an employee of the other without consent.

ARTICLE 20 – CHANGES IN THE WORK

In giving instructions, County will have authority to make minor changes in the work, not involving extra cost, and not inconsistent with the purposes of the work, but otherwise, except in an emergency endangering life or property, no extra work or change will be made unless in pursuance of a written order by County and no claim for an addition to the Contract sum will be valid unless so ordered.

The value of any such extra work or change will be determined in 1 or more of the following ways:

1. By mutual acceptance of a lump sum, itemized and detailed with sufficient substantiating data, as requested by County, to permit evaluation.
2. By unit prices named in the Contract or subsequently agreed upon.
3. By cost and fixed fee.

If none of the above methods is agreed upon, Contractor, provided it receives an order as above, will proceed with the work. In such case and also under case (c), it will keep and present in such form as County may direct, a correct account of the net cost of labor and materials, together with vouchers. In any case, County will certify to the amount, including allowance for overhead and profit, due to Contractor. Pending final determination of cost, payments on account of changes will be made on County's estimate.

The amount of Contractor's overhead and profit allowed for any change order, whether increase or decrease, will not exceed the following limits for work by Contractor:

Overhead Limit: 10% of direct cost;
Profit Limit: 5% of the sum of direct cost and overhead cost.

For any portion of the work for a change order that is performed by a Subcontractor or a Sub Subcontractor, Contractor's combined overhead and profit limits allowed will not exceed 5% of the actual direct cost of the work.

Contractor's cost for additional work or changes requested by County which result in an approved extension of time to the contract will be limited to the cost of the extra work determined in 1 or more of the 3 ways described previously in this Article, and the actual wage or salary paid for the on-site job superintendent in direct employ of Contractor in performance of the work. This amount will be prorated to the actual amount of extra time approved and will only include the direct amount paid to the superintendent plus actual cost of all overhead items applicable to payroll for that position, such as insurance, taxes, FICA, worker's compensation, and unemployment taxes and benefits.

ARTICLE 21 – CLAIMS FOR EXTRA COST FOR ADDITIONAL WORK

If Contractor claims that any additional instructions by drawings or otherwise involve extra cost under this Contract, it will give County written notice thereof within a reasonable time after the receipt of such instructions, and in any event before proceeding to execute the work, except in an emergency endangering life or property. The procedure will then be as provided for in Article 20 "Changes in the Work". No such claim will be valid unless so made.

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ARTICLE 22 – DEDUCTIONS FOR UNCORRECTED WORK

If County deems it not expedient to correct work injured or done not in accordance with the Contract, an equitable deduction from the Contract price will be made therefor.

Contractor will promptly remove from the premises all materials condemned by County as failing to conform to the Contract, whether incorporated in the work or not, and Contractor will promptly replace and re-execute its own work in accordance with the Contract and without expense to County and will bear the expense of making good all work of other Contractors destroyed or damaged by such removal or replacement. If Contractor does not remove such condemned work and materials within a reasonable time, fixed by written notice, County may remove them and may store the material at the expense of Contractor. If Contractor does not pay the expense of such removal within ten days' time thereafter, County may, upon ten day's written notice, sell such materials at auction or at private sale and will account for the net proceeds thereof, after deducting all the costs and expenses that should have been borne by Contractor.

ARTICLE 23 – SUSPENSION OF WORK

County may at any time suspend the work, or any part thereof by giving 3 days' notice to Contractor in writing. When the reason for such suspension involves safety, health or welfare issues, the 3-day written notice requirement may be waived at the decision of the County Management. Contractor will resume the work within 10 days after the date fixed in the written notice from County to Contractor to do so.

ARTICLE 24 –COUNTY'S RIGHT TO DO WORK

If Contractor neglects to prosecute the work properly or fails to perform any provision of this Contract, County may, after 3 days written notice to the Contractor, without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due Contractor.

ARTICLE 25 –COUNTY'S RIGHT TO TERMINATE CONTRACT

If Contractor persistently or repeatedly refuses or fails, except in cases for which extension of time is provided, to supply enough properly skilled workers or proper materials, or if it fails to make prompt payment to subcontractors for material or labor, or persistently disregards laws, ordinances, or the instructions of County, or otherwise is guilty of a substantial violation of any provision of the contract, then County may, without prejudice to any other right or remedy and after giving Contractor 10 days written notice, terminate the employment of Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method County may deem expedient. In such case Contractor will not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract price will exceed the expense of finishing the work, including compensation for additional managerial and administrative service, such excess will be paid to Contractor. If such expense exceeds such unpaid balance, Contractor will pay the difference to County. County will certify the expense incurred by County as herein provided, and the damage incurred through the Contractor's default.

ARTICLE 26 – REMOVAL OF EQUIPMENT

In any case of annulment or termination of this Contract before completion from any cause whatever, Contractor, if notified to do so by County, will promptly remove any part or all of its equipment and supplies from the property of County, failing which County will have the right to remove such equipment and supplies at the expense of Contractor.

ARTICLE 27 – USE OF COMPLETED PORTIONS

County has the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work or such portions may not have expired, but such taking possession and use is not an acceptance of any work not completed in accordance with the

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Bid documents. If such prior use increases the cost of or delays the work, Contractor will be entitled to such extra compensation, or extension of time, or both, as County may determine.

ARTICLE 28 – PAYMENTS WITHHELD

County may decline to certify payment or, because of discovered evidence or observations, may nullify the whole or any part of any certificate for payment previously issued, to such extent as may be necessary in its opinion to protect County from loss because of:

1. Defective work not remedied.
2. Third party claims filed or reasonable evidence indicating probable filing of such claims.
3. Failure of Contractor to make payments properly to Subcontractors or for labor, materials, or equipment.
4. Reasonable evidence that the work cannot be completed for the unpaid balance of the Contract sum.
5. Damage to another Contractor.

When the above grounds are removed, payment will be made for amounts withheld because of them.

ARTICLE 29 – WARRANTY

Contractor will provide a written guarantee covering all costs for repair or replacement of defective work for a period of 2 years (or longer if noted elsewhere in the construction documents) from substantial completion. Contractor will complete repair, or respond to County in writing with repair solution, within 72 hours of notification by County. County may make emergency repairs to ensure life safety or to prevent property loss, without invalidating the warranty.

ARTICLE 30 – LIENS

Neither the final payment nor any part of the retained percentage will become due until Contractor delivers to County a complete release of all liens arising out of this Contract, or receipts in full or in lieu thereof, and if required in either case, an affidavit that so far as it has knowledge or information, the release and receipts include all the labor for which a lien could be filed; but Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to County, to indemnify County against any lien. If any lien remains unsatisfied after all payments are made, Contractor will pay to County all monies that County may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

ARTICLE 31 – RIGHTS OF VARIOUS INTERESTS

Wherever work being done by County's forces or other contractors is contiguous to work covered by this Contract the respective rights of the various interests involved will be established by the County to secure the completion of the various portions of the work in general harmony.

ARTICLE 32 – SEPARATE CONTRACTS

County reserves the right to let other contracts in connection with this work. Contractor will afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and will properly connect and coordinate its work with theirs.

If any part of Contractor's work depends upon proper execution or results of the work of any other Contractor, Contractor will inspect and its report will constitute an acceptance of the other contractor's work after the execution of its work.

To ensure the proper execution of its subsequent work, Contractor will measure work already in place and will at once report to County any discrepancy between the executed work and the drawings.

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ARTICLE 33 – COUNTY’S STATUS

The County has general review of the work and has the authority to reject all work and materials that do not conform to the Contract.

ARTICLE 34 – CLAIMS AND DISPUTES

All claims, demands, disputes, controversies, and differences that arise between the parties hereto as result of or in connection with this Contract will be referred to County in writing with a request for review and response in accordance with this paragraph, which County will render in writing within a reasonable time.

Contractor will deliver written notice of each such claim, demand, dispute, controversy, or difference to County within 15 days of the occurrence of the event giving rise thereto and written supporting data will be submitted to County within 45 days of such occurrence unless County specifies a different period of time in writing to Contractor. The submission to County with respect to any such claim, demand, dispute, controversy, or difference will be a condition precedent to any exercise by Contractor of such rights or remedies as Contractor may otherwise have under the Bid documents or at law in respect of any such claim, demand, dispute, controversy, or difference.

If either County or Contractor is dissatisfied with any decision of County and both parties agree in writing, then the dispute may be settled by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrator(s) will be entered in any court having jurisdiction thereof. All arbitration hearings must be held in Tucson, Arizona.

ARTICLE 35 – CLEANING UP

Contractor will, as directed by County, remove from County's property and from all public and private property, at its own expense, all temporary structures, rubbish, and waste materials resulting from its operation.

ARTICLE 36 – FIRE PREVENTION AND PROTECTION REQUIREMENTS FOR CONSTRUCTION PROJECT

(a) **PURPOSE:**

To provide guidelines for Contractors practices in prevention of and protection against fire causes, property damage and losses on County Construction projects' work.

(b) **SCOPE:**

Subject requirements shall be applicable to new construction, facilities remodeling, additions, and Improvement projects' work conducted for Pima County. Contractor shall also comply with all applicable ordinances, laws, rules, and regulations of public authority having jurisdiction for fire prevention and protection.

(c) **REQUIREMENTS:**

1. Make a survey of the suitability and effectiveness of existing fire control facilities, measures and devices.
2. Arrange for, provide and install a sufficient number of portable fire extinguishers suitable for work operations in accordance with the requirements of the National Fire Protection Association and local agencies having jurisdiction.
3. Fire extinguisher and devices shall be inspected, serviced and maintained in accordance with manufacturer's instructions.

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4. Fire Fighting and control equipment shall be readily visible and unobstructed at all times; shall not be made inoperative or used for other purposes.
5. Installation of fire protection piping and hydrants (as specified in bid documents) shall be as prompt as possible so hose stream protection will be available when combustible materials arrive on site and potential fire causing operations begin.
6. Provide ready access for public fire department.
7. Provide safe temporary lighting and power services; properly insulate, ground, and substantially support strung wires; overloading of conductors and overfusing of circuits is prohibited; poor contacts and defective terminals, switches, wire and outlets shall not be installed. Temporary electrical installations shall be in accordance with National Electric Code and other applicable ordinances, regulations, specifications.
8. Bulk storage of lumber, gasoline, fuel oil, paint, solvents, gases shall be kept outside of buildings under construction; one day's working supply of such items may be inside at any time. Flammable fluids shall be in approved containers only; open containers are prohibited.
9. Only flame-resistant tarpaulins or coverings shall be used for protecting stored supplies and equipment.
10. Smoking shall be prohibited in all areas where flammable or combustible materials are stored and in other hazardous areas. "No Smoking" signs shall be posted accordingly.
11. Fires, welding, flame cutting, melting, and similar operations in combustible areas shall not be left unattended promptly.
12. Accumulations of flammable liquids on floors, walls, etc. are prohibited; spills shall be cleaned up promptly.
13. All rags, waste, etc. soiled by combustible or flammable materials shall be placed in tightly closed metal containers and disposed of daily.
14. Tar kettles shall be located outside of and as far away as possible from building.
15. All portable cylinders of compressed gases shall be constructed, maintained and marked in accordance with Interstate Commerce Commission regulations; shall be properly secured against tipping or accidental upset, handled with care, protected against excessive heat and cold; valve protection caps shall be in place when cylinders are not in use.
16. Welding and cutting operations shall be performed only by competently proven personnel.
17. Construction debris shall be removed from buildings and site daily. Reasonably good housekeeping shall be maintained at all times.
18. All machines using cutting oil shall have metal drip pans under them to catch oil drippings, oil turnings and shavings.
19. No solvent with flash point below 100-degree F. shall be used for cleaning equipment or parts.
20. No smoking or open fire of any kind shall be permitted in areas where spray guns are in operation.
21. Wood sawdust and shavings and wood rubbish shall not be allowed to accumulate on project site.

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22. Adequate precautions shall be taken to protect extensive form work and scaffolding from exposure to and spread of fire.
23. Moveable heating devices, when used, shall have safe clearances at bottom, top, and sides from combustible materials. Use of salamanders is generally prohibited; exceptions may be granted when use is considered essential.
24. Regularly scheduled inspections shall be made by Contractors authorized personnel to assure compliance with these and other jurisdictional requirements. Contractor's supervisory personnel shall be instructed in their duties concerning safe fire protection practices.

ARTICLE 37 – ARCHAEOLOGICAL FEATURES

Construction for this project may occur in an archaeological sensitive area. The County Department of Conservation Lands and Resources will determine prior to construction (other than emergencies) any special site monitoring requirements. Human burials, including human skeletal remains, cremations, and funerary objects are protected under A.R.S. section 41-844 on state, County, and municipal lands, and under A.R.S. section 41-865 on private lands. Should archaeological features and/or artifacts or human remains, including human skeletal or cremation remains be discovered, work at that location will cease immediately, and the area will be taped off and avoided until archaeological investigations are completed. Construction is subject to delay in that location pursuant to applicable State law, while consultation with the Arizona State Museum and appropriate documentation and data recovery takes place. To the extent permitted by law, all archaeological artifacts and other materials will belong to County. No monetary compensation will be made to Contractor for any claims due to delays in the work schedule. Only the Contract construction time will be extended to permit the original scheduled number of days for completion of the project.

ARTICLE 38 – RESERVED

ARTICLE 39 – PRODUCT AND MATERIAL DATA SAFETY SHEETS

The contractor shall submit United States Department of Labor product or material data safety sheets on all materials used on the project. Only those forms issued by OSHA and United States Department of Labor will be acceptable.

ARTICLE 40 – HAZARDOUS MATERIALS/ HAZARDOUS WASTES / HAZARDOUS SUBSTANCES ABATEMENT

Should Contractor uncover, or otherwise become aware of the presence of any Hazardous Materials, Hazardous Wastes or Hazardous Substances during the construction of this project, notice will be served immediately to the County Project Manager, and all work surrounding said materials or substances will be ceased until directed to proceed. Construction delays due to Hazardous Materials, Hazardous Wastes or Hazardous Substances abatement may occur.

If this contract does not otherwise require the services of a Hazardous Materials Contractor, abatement of such materials will be provided by County, at its expense and independent of this contract.

If this Contract already employs the services of a Hazardous Materials Contractor, the cost to abate any such additional materials will be added to the contract as Additional Services, in accordance with the provisions of Article 21 "Claims for Cost of Additional Work", and time extensions granted in accordance with the provisions of Article 6 "Delays".

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ARTICLE 41 – WASTE DISPOSAL FACILITIES

Contractor will legally dispose of all construction debris in appropriate County operated waste disposal facilities and pay any applicable fees. In the case of conflicts with the provisions of the Contract Specifications, this provision applies.

ARTICLE 42 – AS-BUILT DRAWINGS

Contractor will keep an accurate record of all changes and deviations from the Project Plans and Specifications and submit to County 1 set of “As-Built” drawings including dimension, location of underground utilities, etc., upon completion of the work. As-Built drawings will be drawn and submitted in such a format as prescribed by County.

ARTICLE 43. EXISTING CONDITIONS

The Contractor shall, before the conditions are disturbed, give immediate (within 8 hours) verbal notice to the onsite Construction Manager and/or onsite County representative to be followed up by written notice within 24 hours of initial discovery to the Construction Manager and County of:

- (a) Subsurface or latent physical conditions at the site which differ materially from those indicated in this contract; or
- (b) Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

The Construction Manager, Architect and/or County shall investigate the site conditions within 24 hours after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, an adjustment shall be made pursuant to Article 21 of the General Conditions, Changes in the Work.

No request by Contractor for an adjustment to the contract under this clause shall be allowed, unless Contractor has given the written notice required; provided, that the time prescribed in this clause for giving written notice may be extended by the County.

No request by the Contractor for an adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

ARTICLE 44. BUILDER'S RISK

Contractor will be responsible for equipment, materials, and supplies until completion of the project and acceptance by County.

END EXHIBIT B - GENERAL CONDITIONS

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EXHIBIT C - SPECIAL CONDITIONS – MULTIPLE AWARD JOB ORDER CONTRACT (12 Pages)

ARTICLE 1 – OVERVIEW AND DEFINITIONS

- A. Overview of Job Order Contracting Arrangement – This Agreement establishes a Multiple-Award, indefinite quantity, job order contracting Arrangement for such construction services within the scope of this Agreement as County may request from time to time by issuance of an individual Job Order Contract for each Project.

The Contract Price for each Job Order shall not exceed \$3,000,000.00, including any Change Orders.

There is no limit on the number of Job Orders County may issue to any Contractor during any 12-month term of this Contract or during the entire period this Contract is in effect.

Generally, a Contractor may not refuse to quote any Job Order under this Agreement properly issued by County, unless Contractor can legitimately claim the scope of work is poorly defined, hazardous to health or safety, outside the bounds of the intended use of this Agreement, or the Contractor does not have the capacity to accept the Job Order and begin work in a timely manner.

County shall have the right to perform work of the types included in this Agreement itself or to have other contractors perform such work.

- B. Definitions – The following terms will have the following meanings when used in the Agreement. Other terms may be defined elsewhere in the Documents. Terms not defined in the Agreement shall have their ordinary meaning within the usage of the trade. The presence or absence of initial capitals does not indicate a change in meaning.

“Alternatives Analysis” means assessment of alternatives for design, means and methods or other scope considerations that are evaluated using value engineering principles and have the potential to reduce construction costs while still delivering a quality and functional Project that meets County requirements.

“Contract Price” means the price to be paid for the Work (and for Pre-Construction Services, if any) as specified in the Job Order. The Contract Price shall be a fixed, lump sum price, or a Not-to-Exceed Guaranteed Maximum Price, based on the Contractor's accepted quotation.

“Contract Time” means the time for performance of the Work under a Job Order as specified in the Job Order commencing with the Start Date and ending with Final Completion Date set forth in the Job Order, as modified.

“Critical Path Method (CPM)” is a scheduling technique which identifies the logical sequence of the activities occurring in a construction project, the anticipated time required to complete each activity in the project, and the activities that must be completed on schedule to finish the project within the anticipated time. Typically, activities are arrayed in a network that shows both activities and their dependencies. CPM is also used as a management technique which enables contracting parties to predict when activities may occur so that resources can be effectively used and limitations can be identified.

“Critical Path” means that sequence of dependent activities in a project that will take the longest time to complete. Any delay in the completion of any of these activities may extend the Substantial Completion date.

“Day” means calendar day unless specifically provided otherwise or required by law.

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“Design Professional (DP)” means, as to a Job Order, the person, if any, who will perform Design Services relating to the Work under the Job Order and who is designated as the Design Professional in the Job Order.

“Drawings and Specifications” means, as to a Job Order, the drawings and specifications, if any, attached to the Job Order and specifications included in the Job Order Contract Documents. The Drawings and Specifications set forth the requirements for construction of the Project. Where there are no drawings and specifications for the Work prepared by a Design Professional, County will deliver to the Contractor line drawings and/or a written description of the Work and, in each such case, the line drawings and/or the written description shall be deemed the drawings for the Work for that Job Order for all purposes.

“Final Completion Date” means, as to a Job Order, the date by which Contractor shall have completed all Work under a Job Order, including, without limitation, all deficiency, correction and incomplete items (Punch List).

“Job Order” means the Contract for a Project executed by County under this Agreement, as it may be modified by Change Orders, if any, relating to the Project under the Job Order.

“Minor Change” means a change in the Work having no impact on cost or time or the County’s approved design intent, as determined by County.

“Notice to Proceed” means written notice given by County to the Contractor fixing the date on which the Contractor will start to perform the Work under that Job Order. The start date will be the Start Date stated in the Job Order.

“Plans and Specifications” means the plans and specifications upon which the Job Order’s price proposal is based.

“Pre-Construction Services” means the performance under a Job Order requiring such services of alternatives analysis, cost or schedule estimating, value engineering, constructability or other design reviews or consultation in the review of a County or third-party design prepared by a County-provided design professional.

“Project” means each project of County as to which some or all of the work is to be performed under a Job Order.

“Qualifications/Proposals Documents” means the Solicitation for Qualifications issued by County for this Job Order Contract, all Addenda thereto, and all information and documents submitted by Contractor relating thereto including, without limitation, Contractor’s submission of formal sealed qualifications, and also including, without limitation, the subcontractor management plan submitted by the Contractor. It also includes all other qualifications/proposals documents: that is all documents and materials delivered by County to Contractor in connection with Contractor’s submission of qualifications and submission of a proposal for the contract.

“Sales Taxes” - Sales taxes are deemed to include all sales, use, excise, consumer, franchise, and other taxes which are legally enacted when negotiations of a Job Order Contract Price are concluded, whether or not yet effective or merely scheduled to go into effect. Taxes are actual costs and are a not-to-exceed reimbursable amount.

“Schedule of Values (SOV)” A spreadsheet with estimated costs organized by subcontract categories, allowances, bid contingency, general conditions costs, taxes, bonds, insurances, and the Contractor’s construction phase fee. The supporting document for the spreadsheet must be provided in an organized manner that correlates with the schedule of values. The backup information shall consist of the request for bids, bids received, and clarification assumptions used for the particular bid

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item listed on the schedule of values, if applicable. The SOV may be output from the Project Schedule if the Project Schedule is cost-loaded.

“Start Date” means, as to a Job Order, the date specified in the Notice to Proceed for that Job Order for Contractor to begin the Work.

“Subcontractor” means a subcontractor of the Contractor for any of the Work included in a Job Order or any subcontractor at any tier of such a subcontractor.

“Substantial Completion” means when the Work, or an agreed upon portion of the Work, is sufficiently complete so that County can occupy and use the Project or a portion thereof for its intended purposes. The conditions of Substantial Completion that apply to a specific Job Order will be listed in the Notice to Proceed Letter for that Job Order.

“Supplier” means a person providing materials, supplies or equipment to be included in the Work to Contractor or any Subcontractor.

“Technical Specifications” means the general provisions and the detailed specifications prescribed by County describing the materials and performance required for each individual Job Order.

“Work” and **“Work (Construction)”** mean all labor, materials, supplies, tools, equipment, transportation, site cleanup, storage and disposal of construction debris, supervision, management, overhead and profit, bonds, insurance, licenses and permits, taxes, intellectual property royalty and license fees, all other activities and items required to perform the Work under a Job Order as described in the Scope of Work in the Job Order. Work does not include Pre-Construction Services in connection with a Job Order.

ARTICLE 2 – JOB ORDER DEVELOPMENT

The steps for development of a Job Order and Quotation will generally be the following:

1. For Projects estimated under \$250,000.00, and during emergency situations County will notify the selected Contractor of a new Project and may or may not schedule a site visit to explain and discuss the project. Design documents, if any, will be provided to the Contractor by the time of the site visit. Once the parties agree on the scope of the project, County will memorialize the agreement in a Job Order and deliver it to Contractor who shall have 5 working days, unless a shorter period is specified in the Job Order, to commence construction. Unless otherwise specified by County, issuance of the Job Order shall constitute Notice to Proceed. In the event of an emergency, the requirement that a Job Order Contract be in place prior to the initiation of work is waived. During such an emergency, a Contractor may be contacted and given instructions by a County Project Manager to perform the work immediately without an approved Job Order. It is understood that the County will prepare a Job Order as soon as practicable following said instructions.
2. For Projects estimated at \$250,000.00 or greater, the County will notify all Job Order Contractors under contract to County. The request shall advise all Contractors of the nature of the Work to be done and include the selection criteria and methodologies County will use to make the "best value" decision. Criteria could include lowest bid, lowest bid meeting schedule, best cost alternative(s), etc. The request letter may also include an estimate of the total dollars the County has budgeted for the Job. Contractor shall be provided an opportunity to ask questions, seek clarification and/or inspect the site, if requested. Alternatively, the County may identify in the request the date and time for a meeting or site visit to explain and discuss the Work and further refine the scope of the project. Design documents, if any, may be provided in advance or at the meeting or site visit.

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3. Upon establishment of the scope of the needed Project, each Contractor interested in performing the Job Order shall prepare its proposal for accomplishment of the Project utilizing the Contractor's best estimating practices to develop a fixed, lump sum or not-to-exceed Guaranteed Maximum Contract Price to complete the Work, including any additional Pre-Construction Services (if necessary). See Article 3 for a description of required proposal items. Quotes will be in letter format including an attached table listing major construction components (i.e., Mobilization, grade control structures, soil cement bank protection, excavation, clearing/grubbing, subgrade prep., etc.) with quantities, unit cost, total cost as columns in the table. The time for submittal of proposals for individual Projects shall not exceed 7 working days unless approved by the County.
4. County shall review each Contractor's proposal and may either accept the proposals or negotiate modifications to the proposals until such time the County is satisfied with each of the proposals. Such negotiations shall be limited to value alternatives of costs less than 20% of the original quotation price. Scope modifications or value alternatives that are equal to or greater than 20% shall require County to modify the original request and rebid to the benefit of all interested Contractors under this Contract.
5. The Job Order will then be issued by County to the Job Order Contractor that submitted the best quotation (including schedule and/or value engineering alternatives), as measured by the criteria in the request for quotation. Past performance on earlier Job Orders, including past performance on cost or price control, may be used to determine award of future Job Orders. Quotations must be reasonably prepared, accurately describing the work including the types of materials used, quantities and other cost elements. In the instance the quotation is deemed to be unreasonable or inaccurate, the Project Manager can exercise the option to reject the bid (even if it is the lower bid) or request a revised quotation. An alternative Contractor will be chosen for the work.
6. Upon issuance of each Job Order by County, the Job Order Contract will be binding upon the Contractor and County. A Job Order is considered "issued" when delivered to the Contractor or sent by facsimile copy, in which case the Job Order will be "issued" when sent to Contractor's fax number and County's fax machine prints an acknowledgement of receipt or County.

ARTICLE 3 – JOB ORDER PROPOSAL CONTENT

Although specific Job Orders will vary, the content of Job Order proposals provided by each Contractor under this contract will generally include the following:

1. The description of the Scope of the Work;
2. The duration of the work, including CPM schedule (if required);
3. The Contract Price for Work (Construction), including prices for various proposed alternatives;
4. The Contract Price of Pre-Construction Services by Contractor (if any);
5. The name of the Contractor Representative for the Project;
6. The Drawings and Specifications (if any) used to prepare the quotation;
7. Any assumptions or exclusions that qualify the Contractor's price, including how many days the proposal is valid for;
8. A risk analysis of the project that identifies potential risks to the cost or schedule, or other items which the Owner may need to be informed of that will impact a successful outcome;
9. If any Shop Drawings, Product Data and/or Samples are required for the Job Order, the date for delivery of each required item;

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10. A statement of which, if any, of the following are required: Preconstruction Conference, Weekly Progress Meetings, Field Office, Storage Enclosure, Materials and Equipment Handling Facility, Submittals, Shop Drawings, Product Data, Equipment List, Samples, Project Manual, Schedule of Values, Construction Progress Schedule, Narrative Reports, Progress Report, Progress Charts, Progress Photographs, Materials Status Report, Construction Diagram, Construction Status Report, Operation and Maintenance Data, Operating Maintenance Instructions and Parts List, and As-Built Drawings.

Each Job Order will be interpreted to include all items reasonably necessary to complete the Project as described in the Scope of the Work of the Job Order. All Work shall be performed in a professional manner and all materials used shall be new, of the highest quality and of the type best adapted to their purpose, unless otherwise specified.

ARTICLE 4 – JOB ORDER NEGOTIATION

- A. Job Order Pricing – The Contract Price shall include all costs, including overhead, pre-construction, mobilization, indirect costs, etc., incidental to performing the work and completing the job order and with the exception of any changes in the scope of work as directed by the Owner as defined by **Article 6**, no additional payments will be made.
- B. Pre-Construction Services (if any) – If Contractor is providing Pre-Construction Services, the proposal must be supported by documentation to establish that adequate involvement by Contractor in the planning, engineering and design work will be performed to satisfy the requirements of the project. Required services may include (but are not limited to) constructability reviews, materials recommendations, alternatives analysis, development of cost and schedule estimates and tradeoffs, and similar services.

ARTICLE 5 – JOB ORDER MANAGEMENT

- A. Planning, Scheduling, Monitoring – Planning, scheduling and progress monitoring are essential functions of Contractor. If required by the Job Order, after the issuance of the Job Order Contractor shall prepare and submit to County a Schedule of Values allocating the Contract Price among the various portions of the Work for purposes of progress payments. The format of the Schedule of Values shall be as specified by County. In addition, if required by the Job Order, Contractor shall submit a CPM-based Construction Schedule that shall be maintained and updated for the duration of the project.

1. Project Management

Contractor shall employ and supply a sufficient force of workers, material and equipment, and shall prosecute the Work under each Job Order with such diligence as to maintain a steady rate of progress or, if there is a Construction Progress Schedule, the rate of progress indicated on the Construction Progress Schedule, to prevent work stoppage, and to ensure completion of the Project under each Job Order within the Contract Time.

2. Daily Log

Contractor shall maintain a Daily Log of construction activities using a form approved by County. Contractor shall include in the log all significant issues or problems affecting progress and completion of any Job Order.

If required in a Job Order, Contractor shall provide copies of the entries in the Daily Log to County no later than the morning of the next business day. The Daily Log does not constitute written notice to the County when such notice is required by the Contract.

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3. Progress Schedule and Float

If Contractor submits an original or updated schedule which shows the Work under a Job Order and/or individual milestone(s) completing earlier than required by the adjusted Final Completion Date in the Job Order, the differences between the forecasted early completion and the required Final Completion Date shall be considered Project-owned float available for use by both County and Contractor.

B. Reporting

1. Monthly Reporting

If required by the Job Order, on the last business day of each calendar month, Contractor will deliver to the County a Monthly Narrative Report. The Report shall include a description of all current, issued, and in process Job Orders, the status of each and anticipated problem areas, delaying factors and their impact, and an explanation of corrective action(s) taken or proposed.

The Report shall include for each job order the Start Date, the Final Completion Date, and, for Job Orders with more than 60 days between such dates, either (A) the current Progress Schedule for the Project, or (B) the date by which Contractor is to submit a proposed Progress Schedule for approval by County.

If the Project under any Job Order is behind schedule in any month, Contractor's Narrative Report shall indicate precisely what measures it will take in the next thirty days to put the Work back on schedule.

If requested by County, Contractor shall meet with County to review the monthly Update Report and to discuss any issues.

2. Contractor Responsibility

To the extent required in the Job Order for the Project, Contractor shall be responsible to prepare, submit and maintain the daily log, CPM schedules and Narrative Reports indicated above; failure to do so may be considered a material breach of this Contract. Any additional or unanticipated cost or expense required to maintain logs, schedules reports shall be solely Contractor's responsibility and shall not be charged to County.

ARTICLE 6 – CHANGES AND CHANGED CONDITIONS

- A. Owner Directed Changes in the Scope of Work – By written directive at any time, County may make any changes within the general scope of the Work under a Job Order or issue additional instructions, require additional or modified Work or direct deletion of Work. Contractor shall not proceed with any change involving an increase or decrease in cost or time without prior written authorization from the County in the form of a completed and executed Change Order. If Contractor proceeds with any change involving an increase or decrease in cost or time without written authorization as required by this article, Contractor waives all rights or claims Contractor may have as a result of the change. The County's right to make changes shall not invalidate the Agreement or Job Order Contract Documents or relieve Contractor of any liability. Any requirement of notice of change to the Surety shall be the responsibility of Contractor.

ARTICLE 7 – DELAYS AND TIME EXTENSIONS

- A. Demonstration of Delay – It is agreed that no time extensions shall be granted nor delay damages paid by County unless the delay can be clearly demonstrated by Contractor on the basis of the updated

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Critical Path Schedule, cannot be mitigated, offset, or eliminated through such actions as revising the intended sequence of the Work or other reasonable means.

- B. Application of Float – Since float time within the schedule is jointly owned, no time extensions will be granted nor delay damages paid until a delay occurs which extends the work beyond the adjusted Final Completion Date. Since float time within the construction schedule is jointly owned, it is acknowledged that County-caused delays on the Project may be offset by County-caused time savings (i.e., critical path submittals returned in less time than allowed by the Contract, approval of substitution requests which result in a savings of time to the Contractor, etc.).
- C. In such an event, Contractor shall not be entitled to receive a time extension or delay damages until all County-caused time savings are exceeded and the Final Completion Date or milestone date is also exceeded.

ARTICLE 8 – PERFORMANCE MEASUREMENT

- A. Performance Assessment – Promptly after final completion of the Work under each Job Order, County will complete a written evaluation of Contractor's performance of the Work. The evaluation shall consist of completion by County of the Performance Quality Evaluation Form attached as **Attachment 1** to these **SPECIAL CONDITIONS**.
- B. Feedback – The completed Performance Evaluation will be shared with Contractor as a means of providing feedback regarding Contractor's cost, schedule and quality performance. Contractor may submit additional information, comment, recommendations or rebuttal for association with the Performance Evaluation.
- C. Comparative Assessment – Contractor's cost, schedule and quality performance of Job Orders under this Contract will be compared periodically to the performance of other like-situated Contractors. The results of these comparisons will be provided to Contractor.

Contractor understands that these assessments will necessarily involve significant subjectivity. Contractor agrees to this process and agrees further that the application of subjectivity in these assessments shall not form the basis for any claim or cause of action of any form whatsoever.

- D. Consideration of Renewal – Contractor's record of cost, schedule and quality performance and comparative assessments shall be significant considerations in the County's determination whether to renew Contractor's participation in the Agreement. Contractor agrees that any determination by County not to renew its participation based on performance will be at the sole discretion of County.

ARTICLE 9 – SUBCONTRACTORS

- A. Subcontractor Selection – Contractor will select Subcontractors in accordance with the Subcontractor Selection Plan incorporated into this Contract by reference.
- B. Subcontracts
 - 1. Contractor agrees to deliver to each Subcontractor and to cause each Subcontractor to deliver to each sub-subcontractor a copy of this Agreement and the Job Order Contract Documents relating to the Work of the Subcontractor or sub-subcontractor. Contractor agrees to include in its contract with each Subcontractor all provisions of the Agreement and Job Order documents required to be included in those contracts and to cause its Subcontractors to include the same provisions in their contracts with their sub-subcontractors at all tiers.
 - 2. Each Subcontract, or other Agreement, with any subcontractor for any job order shall include the address or location of the work.

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- C. Assignment Upon Termination – Contractor hereby assigns to County (and its assigns) all its interest in any subcontracts and purchase orders now existing or hereinafter entered into by Contractor for performance of any part of the Work under each Job Order, which assignment will be effective upon termination of the Contract by the County and only as to those subcontracts and purchase orders which the County assumes in writing. All subcontracts and purchase orders shall provide that they are freely assignable by Contractor to the County and its assigns. Such assignment is part of the consideration to County for entering into the Contract with Contractor and may not be withdrawn prior to final completion of the Work under each Job Order.

ARTICLE 10 – TERMINATION FOR CAUSE

Anything in the Contract Documents to the contrary notwithstanding, any termination of this Agreement shall automatically terminate all Job Orders as to which the Work is not complete, except that upon any termination of this Contract, County may elect by written notification to Contractor to continue in effect any or all then uncompleted Job Orders in which event this Agreement shall continue in effect as to each continued Job Order and shall terminate upon completion of the last such Job Order.

Anything in the Agreement to the contrary notwithstanding, (i) all indemnification provisions, reimbursement provisions and payment provisions shall survive termination of this Agreement under this Article and shall continue in effect indefinitely without termination, and (ii) all guarantee and warranty provisions and all provisions in the Agreement Documents requiring Contractor to correct any Work not in accordance with the relevant Job Order Documents shall not terminate upon termination of this Agreement and shall continue in effect thereafter in accordance with the terms of each such provision.

- A. Cause for Termination – In addition to the termination rights of the County in **ARTICLE 18 – TERMINATION OF CONTRACT FOR DEFAULT** of the Agreement between County and Contractor, the County may terminate any or all Job Orders and/or the overall Job Order Agreement at the election of County, upon the occurrence of any 1 or more of the following events:

1. If Contractor refuses or fails to prosecute the Work under any Job Order with such diligence as will ensure its completion within the Contract Time for that Job Order; or if the Contractor fails to complete the Work under any Job Order within the Contract Time for that Job Order;
2. If Contractor or any of its key Subcontractors under any Job Order is adjudged a bankrupt or insolvent or makes a general assignment for the benefit of creditors, or if Contractor or any of its key Subcontractors under any Job Order or a third party files a petition to take advantage of any debtor's act or to reorganize under the bankruptcy or similar laws concerning Contractor or any of its key Subcontractors under any Job Order, or if a trustee or receiver is appointed for Contractor or any of its key Subcontractors under any Job Order or for any of Contractor's property on account of Contractor or a key Subcontractor under any Job Order, and, in each case, Contractor or its successor in interest or its respective key Subcontractor under any Job Order does not provide reasonably adequate assurance of future performance in accordance with the Contract Documents within 10 days after receipt of a request for assurance from the County;
3. If Contractor persistently fails to supply sufficient skilled workmen or suitable materials or equipment for the Work under any Job Order;
4. If, as to any Job Order, Contractor fails to make prompt payments to Subcontractors or Suppliers at any tier, or for labor, materials or equipment;
5. If Contractor fails to comply with laws, ordinances, rules, codes, regulations, orders or similar requirements of any public entity having jurisdiction;
6. If, as to any Job Order, Contractor fails to follow any reasonable instructions by the County, which are consistent with the Construction Documents;

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7. If, as to any Job Order, Contractor performs Work which deviates from the Job Order Documents and neglects or refuses to correct rejected Work; or
 8. If, as to any Job Order, Contractor otherwise violates in any material way any provisions or requirements of this Agreement or any Job Order Contract Documents.
- B. Notice and Cure Period – If County determines that 1 or more events of default described in **Article 10(A)** has occurred, the County may elect to terminate any or all Job Orders and/or terminate Contractor's participation in the overall Agreement. To do this, the County must first give Contractor and its Surety written notice of the events of default ("**Notice of Default**") and allow Contractor and its Surety 10 calendar days to cure the events of default. If the events of default are not cured within the 10 calendar days, County may terminate any or all Job Orders and/or terminate Contractor's participation in the overall Agreement by written notice to Contractor and its Surety.
- C. Completion of Terminated Work
1. If any Job Order or participation in the Agreement is terminated, County may take over the Work under terminated Job Orders and prosecute them to completion, by contract or otherwise, and may exclude Contractor from the sites. The County may take possession of the Work under the terminated Job Orders and of all of Contractor's tools, appliances, construction equipment, machinery, supplies and plant which may be on the site of the Work for each terminated Job Order, and use the same to the full extent they could be used by Contractor, all without liability to Contractor.
In exercising the County's right to prosecute the completion of the Work, the County may also take possession of all materials and equipment stored at the site or for which the County has paid Contractor but which are stored elsewhere. The County may use the foregoing items to finish the Work as the County deems expedient. In such case, the Contractor shall not be entitled to receive any further payment until the Work is finished.
 2. If any Job Order is terminated, the County may demand that Contractor's surety take over and complete the Work under the Job Order. The County may require that in so doing, the Contractor's surety not utilize Contractor in performing the Work. Upon the failure or refusal of Contractor's surety to take over and begin completion of the Work within 20 days after the demand, the County may take over the Work and prosecute it to completion as provided above.
 3. As to any terminated Job Order, County shall have the option of requiring any, all or none of the Subcontractors and Sub-subcontractors to perform according to their subcontracts and may assign any or all of the subcontracts to a general contractor selected to complete the Work.
 4. If County takes over the Work under any terminated Job Order, unexecuted orders entered into by Contractor for performance of any part of the Work will be effective upon acceptance by County in writing and only as to those subcontracts and purchase orders which the County designates in writing.
- D. Payment for Terminated Work
1. If, as to any terminated Job Order, the unpaid balance of the Contract Price exceeds the direct and indirect costs and expenses of completing the Work and all County damages including, without limitation, liquidated damages and compensation for additional professional and Contractor services ("**County's Termination Costs**"), such excess shall be used to pay Contractor for the Work it performed and for which Contractor has not been paid previously and the amount shall be determined using the Tasks, Unit Prices, Coefficients, and Other Tasks and Other Prices included in the Job Order. If, as to any terminated Job Order, the County's Termination Costs exceed the unpaid balance of the Contract Price, Contractor shall immediately upon demand pay the difference

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to the County or the County may set off the amount against any other amounts owing to Contractor for any cause whatsoever, whether current or future.

2. In exercising the County's right to prosecute the completion of the Work under any terminated Job Order, the County shall have the right to exercise its sole discretion as to the manner, methods, and reasonableness of the costs to be incurred in completing the Work, and the County shall not be required to obtain the lowest figure for Work performed in completing the Project. If the County holds a competitive procurement for remedial Work or completion of the Work under a terminated Job Order, Contractor shall not be eligible for the award of such contracts.
 3. Contractor shall be liable for any damage to the County resulting from the termination or from Contractor's refusal or failure to complete the Work under any terminated Job Order and for all costs necessary for repair and completion of the Project under each terminated Job Order over and beyond the Contract Price. Contractor shall be liable for all legal fees and costs required to enforce the provisions of the Agreement and/or Job Order Documents.
- E. Nonexclusive Remedies – In the event any Job Order or Contractor's participation in the Agreement is terminated, the termination shall not affect any other rights of the County against Contractor. The rights and remedies of County under this **Article 10** are in addition to any other rights and remedies provided by law or under the Agreement or Job Order Contract Documents. Any retention or payment of monies to Contractor by County will not release Contractor from liability.
- F. Erroneous Termination for Cause – If any Job Order or participation in the overall Agreement is terminated under this **Article 10**, and it is determined for any reason that there was no default under **Article 10**, the termination shall be deemed a Termination for Convenience of the County.

ARTICLE 11 – TERMINATION FOR CONVENIENCE OF THE COUNTY

The County, by written notice to Contractor, may terminate any Job Order or the overall Agreement in whole or in part if sufficient appropriated or other funds are not available or the County determines, in the sole discretion of the County, that such termination is in the County's best interest. In such case, Contractor shall be paid for all Work under each Job Order for which Contractor has not been paid previously. Contractor shall also be paid reasonable termination expenses. In no event shall such payments as to any Job Order, exclusive of termination expenses, exceed the total Contract Price for the Job Order as reduced by payments previously made to Contractor and as further reduced by the value of the Work as yet not completed. Since profit and overhead are built into the Contract Price for each Job Order, Contractor shall not be entitled any additional profit or overhead on Work performed and in addition, Contractor shall not be entitled to any profit or overhead on Work not performed.

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ATTACHMENT 1 TO EXHIBIT C (2 Pages)

PERFORMANCE EVALUATION FORM

FOR OFFICIAL USE ONLY (WHEN COMPLETED)

PERFORMANCE EVALUATION (CONSTRUCTION)				1. CONTRACT NUMBER 2. CEC NUMBER	
IMPORTANT: Be sure to complete Part III - Evaluation of Performance Elements on reverse.					
PART I - GENERAL CONTRACT DATA					
3. TYPE OF EVALUATION (X one) ☐ INTERIM (List percentage %) ☐ FINAL ☐ AMENDED				4. TERMINATED FOR DEFAULT ☐	
5. CONTRACTOR (Name, Address, and ZIP Code)				6.a. PROCUREMENT METHOD (X one) ☐ SEALED BID ☐ NEGOTIATED	
				b. TYPE OF CONTRACT (X one) ☐ FIRM FIXED PRICE ☐ COST REIMBURSEMENT	
				☐ OTHER (Specify)	
7. DESCRIPTION AND LOCATION OF WORK					
8. TYPE AND PERCENT OF SUBCONTRACTING					
9. FISCAL DATA ▶		a. AMOUNT OF BASIC CONTRACT \$	b. TOTAL AMOUNT OF MODIFICATIONS \$	c. LIQUIDATED DAMAGES ASSESSED \$	d. NET AMOUNT PAID CONTRACTOR \$
10. SIGNIFICANT DATES ▶		a. DATE OF AWARD	b. ORIGINAL CONTRACT COMPLETION DATE	c. REVISED CONTRACT COMPLETION DATE	d. DATE WORK ACCEPTED
PART II - PERFORMANCE EVALUATION OF CONTRACTOR					
11. OVERALL RATING (X appropriate block) ☐ OUTSTANDING ☐ ABOVE AVERAGE ☐ SATISFACTORY ☐ MARGINAL ☐ UNSATISFACTORY (Explain in Item 20 on reverse)					
12. EVALUATED BY					
a. ORGANIZATION (Name and Address (Include ZIP Code))				b. TELEPHONE NUMBER (Include Area Code)	
c. NAME AND TITLE		d. SIGNATURE		e. DATE	
13. EVALUATION REVIEWED BY					
a. ORGANIZATION (Name and Address (Include ZIP Code))				b. TELEPHONE NUMBER (Include Area Code)	
c. NAME AND TITLE		d. SIGNATURE		e. DATE	
14. AGENCY USE (Distribution, etc.)					

DD FORM 2626, JUN 94

EXCEPTION TO SF 1420 APPROVED BY GSA/IRMS 6-94
 Adobe Professional 7.0

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PART III - EVALUATION OF PERFORMANCE ELEMENTS													
N/A = NOT APPLICABLE O = OUTSTANDING A = ABOVE AVERAGE S = SATISFACTORY M = MARGINAL U = UNSATISFACTORY													
	N/A	O	A	S	M	U		N/A	O	A	S	M	U
15. QUALITY CONTROL							16. EFFECTIVENESS OF MANAGEMENT						
a. QUALITY OF WORKMANSHIP							a. COOPERATION AND RESPONSIVENESS						
b. ADEQUACY OF THE CQC PLAN							b. MANAGEMENT OF RESOURCES/ PERSONNEL						
c. IMPLEMENTATION OF THE CQC PLAN							c. COORDINATION AND CONTROL OF SUBCONTRACTOR(S)						
d. QUALITY OF QC DOCUMENTATION							d. ADEQUACY OF SITE CLEAN-UP						
e. STORAGE OF MATERIALS							e. EFFECTIVENESS OF JOB-SITE SUPERVISION						
f. ADEQUACY OF MATERIALS							f. COMPLIANCE WITH LAWS AND REGULATIONS						
g. ADEQUACY OF SUBMITTALS							g. PROFESSIONAL CONDUCT						
h. ADEQUACY OF QC TESTING							h. REVIEW/RESOLUTION OF SUBCONTRACTOR'S ISSUES						
i. ADEQUACY OF AS-BUILTS							i. IMPLEMENTATION OF SUBCONTRACTING PLAN						
j. USE OF SPECIFIED MATERIALS							18. COMPLIANCE WITH LABOR STANDARDS						
k. IDENTIFICATION/CORRECTION OF DEFICIENT WORK IN A TIMELY MANNER							a. CORRECTION OF NOTED DEFICIENCIES						
17. TIMELY PERFORMANCE							b. PAYROLLS PROPERLY COMPLETED AND SUBMITTED						
a. ADEQUACY OF INITIAL PROGRESS SCHEDULE							c. COMPLIANCE WITH LABOR LAWS AND REGULATIONS WITH SPECIFIC ATTENTION TO THE DAVIS-BACON ACT AND EEO REQUIREMENTS						
b. ADHERENCE TO APPROVED SCHEDULE							19. COMPLIANCE WITH SAFETY STANDARDS						
c. RESOLUTION OF DELAYS							a. ADEQUACY OF SAFETY PLAN						
d. SUBMISSION OF REQUIRED DOCUMENTATION							b. IMPLEMENTATION OF SAFETY PLAN						
e. COMPLETION OF PUNCHLIST ITEMS							c. CORRECTION OF NOTED DEFICIENCIES						
f. SUBMISSION OF UPDATED AND REVISED PROGRESS SCHEDULES													
g. WARRANTY RESPONSE													
20. REMARKS (Explanation of unsatisfactory evaluation is required. Other comments are optional. Provide facts concerning specific events or actions to justify the evaluation. These data must be in sufficient detail to assist contracting officers in determining the contractor's responsibility. Continue on separate sheet(s), if needed.)													

DD FORM 2626 (BACK), JUN 94

END ATTACHMENT 1 TO EXHIBIT C – PERFORMANCE EVALUATION FORM

END EXHIBIT C – SPECIAL CONDITIONS- MULTIPLE AWARD JOB ORDER CONTRACTS

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EXHIBIT D - SUPPLEMENTAL PROVISIONS FOR FEDERAL-AID CONSTRUCTION CONTRACTS (3 Pages)

These provisions apply only to work subject to Federal-Aid. A copy of this Exhibit D and a current Wage Determination shall be attached to the Job Order for any federally funded project. Current wage determinations may be found at <https://sam.gov/wage-determinations>.

ARTICLE 1 – DAVIS BACON ACT WAGE DETERMINATION

Contractor shall pay wages in accordance with the most current Davis Bacon rates in effect in Pima County, Arizona at the time the Job Order is negotiated. Contractor shall provide to County at the time of Job Order negotiation, an adjustment to each of the unit prices for the line items that require payment Davis-Bacon wages. Contractor shall include a copy of the most recent Davis-Bacon Wage Determination in their proposal for incorporation into the Job Order's terms and conditions. The most current Davis-Bacon Act Wage Determinations may be found online at <https://sam.gov/wage-determinations>.

ARTICLE 2 – SUBCONTRACTORS

In addition to the requirements set forth in Article 10 of the Job Order Contract, Contractor shall ensure that no subcontracts are awarded at any tier, to any individual, firm, partnership, joint venture, or any other entity regardless of the form of business organization, listed in the Federal Government's System for Award Management (SAM) system (<https://www.sam.gov/portal/public/SAM>) with an active exclusion.

ARTICLE 3 – INDEMNIFICATION

To the fullest extent permitted by law, Contractor will indemnify and hold harmless County, its officers, employees and agents from and against any and all suits, actions, legal administrative proceedings, claims or demands and costs attendant thereto, including reasonable attorney's fees and court costs, to the extent caused by any negligent, reckless or intentionally wrongful act or omission of Contractor, its agents, employees or anyone acting under its direction or control or on its behalf in connection with performance of this Contract. The obligations under this Article shall not extend to the negligence of County, its officers, employees, agents or indemnitees.

All warranty and indemnification obligations under this contract shall survive expiration or termination of the contract, unless expressly provided otherwise. The Parties agree that any indemnification provision inconsistent with State statute will be interpreted and applied as if it were consistent with State statute.

Upon request, Contractor may fully indemnify and hold harmless any private property owner granting a right of entry to Contractor for the purpose of completing the project. The obligations under this Article do not extend to the negligence of County, their agents, employees or indemnitees.

ARTICLE 4 – OWNERSHIP OF DOCUMENTS

In addition to the requirements set forth in Article 24 of the Job Order Contract, The Granting Agency reserves a royalty-free, nonexclusive, and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use, for Federal Government purposes: (a) the copyright in any work developed under this Agreement or any subcontract; and (b) Any rights of copyright to which Contractor or County acquires ownership under this Agreement.

ARTICLE 5 – BOOKS AND RECORDS

In addition to the requirements set forth in Article 25 of the Job Order Contract, Contractor shall also keep and maintain proper and complete books, records and accounts, which shall be open at all reasonable times for inspection and audit by the Granting Agency and the Comptroller General of the United States.

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ARTICLE 6 – CHANGED CONDITIONS

(1) Differing site conditions.

- (i) During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the site is disturbed and before the affected work is performed.
- (ii) Upon written notification, County will investigate the conditions, and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the Contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. County will notify Contractor of the determination whether or not an adjustment of the contract is warranted.
- (iii) No contract adjustment which results in a benefit to Contractor will be allowed unless Contractor has provided the required written notice.
- (iv) No contract adjustment will be allowed under this clause for any effects caused on unchanged work.

(2) Suspensions of work ordered by County.

- (i) If the performance of all or any portion of the work is suspended or delayed by County in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and Contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, Contractor shall submit to County in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.
- (ii) Upon receipt, County will evaluate Contractor's request. If County agrees that the cost and/or time required for the performance of the Contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of Contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, County will make an adjustment (excluding profit) and modify the contract in writing accordingly. Contractor will be notified of County's determination whether or not an adjustment of the Contract is warranted.
- (iii) No contract adjustment will be allowed unless Contractor has submitted the request for adjustment within the time prescribed.
- (iv) No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided or excluded under any other term or condition of this Contract.

(3) Significant changes in the character of work.

- (i) County reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the Contract nor release the surety, and Contractor agrees to perform the work as altered.

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and Related Facilities Repair, Rehabilitation & Construction Services

- (ii) If the alterations or changes in quantities significantly change the character of the work under the Contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding anticipated profit, will be made to the Contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against Contractor in such amount as County may determine to be fair and equitable.
- (iii) If the alterations or changes in quantities do not significantly change the character of the work to be performed under the Contract, the altered work will be paid for as provided elsewhere in the Contract.
- (iv) The term "significant change" shall be construed to apply only to the following circumstances:
 - (A) When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
 - (B) When a major item of work, as defined elsewhere in the Contract, is increased in excess of 125 percent or decreased below 75 percent of the original Contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original Contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

**END OF EXHIBIT D - SUPPLEMENTAL PROVISIONS FOR FEDERAL-AID CONSTRUCTION
CONTRACTS**

EXHIBIT E
CONTRACTOR UNIT PRICE BOOKS (46 Pages)

Pima County Procurement Department
Step 2, RFP-2600000677 Job Order Contract: Wastewater Conveyance System and Related
Facilities Repairs, Rehabilitation & Construction Services



Exhibit E – Price Proposal (21 pages)

RFP-2600000677

**Job Order Contract: Wastewater Conveyance System and Related Facilities Repair,
 Rehabilitation & Construction Services**

The undersigned Bidder hereby acknowledges receipt of the complete Bid Documents for this project and has examined and is familiar with all documents, including those incorporated by reference, which are applicable to this project. By executing this Bid Schedule, Bidder hereby proposes and agrees to furnish any and all required labor, material, construction equipment, transportation, and services for the project in strict conformity with the Bid Documents set in this Attachment A. Failure to sign Page 1 of this Bid Schedule shall result in Bid being deemed nonresponsive.

CONTRACTOR SHALL SIGNIFY RECEIPT OF AMENDMENT(S) (IF ANY). Any bid that fails to acknowledge any amendment that directly affects cost, scope or schedule will be rejected as nonresponsive.

Addenda #	By (Bidder Initials)	Date	Addenda #	By (Bidder Initials)	Date
1	MW	5/5/26			
2	MW	5/12/26			

PROPOSAL MUST BE SIGNED BY AN AUTHORIZED CONTRACTOR REPRESENTATIVE

CONTRACTOR HEREBY CERTIFIES that it has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

SIGNATURE:  DATE: 5/18/26

PRINTED NAME & TITLE: Mark Wright CFO

LEGAL COMPANY NAME: B&F Contracting

Price Book - B & F Contracting, Inc. (10 Pages)

Code	Description	UOM	Group Id	Group Name	Group Type	Project Name	Price	Quantity	Total Cost
1	6"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 81.80	\$ 5,000.00	\$ 409,000.00
2	6"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 81.80	\$ 5,000.00	\$ 409,000.00
3	6"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 81.80	\$ 1,000.00	\$ 81,800.00
4	6"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 81.80	\$ 100.00	\$ 8,180.00
5	8"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 75.10	\$ 5,000.00	\$ 375,500.00
6	8"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 75.10	\$ 5,000.00	\$ 375,500.00
7	8"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 75.10	\$ 1,000.00	\$ 75,100.00
8	8"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 75.10	\$ 100.00	\$ 7,510.00
9	10"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 79.90	\$ 5,000.00	\$ 399,500.00
10	10"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 79.90	\$ 5,000.00	\$ 399,500.00
11	10"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 79.90	\$ 1,000.00	\$ 79,900.00
12	10"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.70	\$ 100.00	\$ 9,270.00
13	12"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.70	\$ 2,000.00	\$ 185,400.00
14	12"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.70	\$ 2,000.00	\$ 185,400.00
15	12"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.70	\$ 2,000.00	\$ 185,400.00
16	12"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.70	\$ 200.00	\$ 18,540.00
17	15"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 101.30	\$ 2,000.00	\$ 202,600.00
18	15"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 101.30	\$ 2,000.00	\$ 202,600.00
19	15"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 101.30	\$ 2,000.00	\$ 202,600.00
20	15"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 101.30	\$ 200.00	\$ 20,260.00
21	18"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 118.80	\$ 1,000.00	\$ 118,800.00
22	18"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 118.80	\$ 1,000.00	\$ 118,800.00
23	18"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 118.80	\$ 1,000.00	\$ 118,800.00
24	18"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 118.80	\$ 200.00	\$ 23,760.00
25	21"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 125.50	\$ 1,000.00	\$ 125,500.00
26	21"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 125.50	\$ 1,000.00	\$ 125,500.00
27	21"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 125.50	\$ 1,000.00	\$ 125,500.00
28	21"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 125.50	\$ 200.00	\$ 25,100.00
29	24"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 149.80	\$ 1,000.00	\$ 149,800.00
30	24"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 149.80	\$ 1,000.00	\$ 149,800.00
31	24"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 149.80	\$ 1,000.00	\$ 149,800.00
32	24"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 149.80	\$ 200.00	\$ 29,960.00
33	27"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.30	\$ 1,000.00	\$ 152,300.00
34	27"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.30	\$ 1,000.00	\$ 152,300.00
35	27"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.30	\$ 1,000.00	\$ 152,300.00
36	27"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.30	\$ 500.00	\$ 76,150.00
37	30"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 160.00	\$ 1,000.00	\$ 160,000.00
38	30"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 160.00	\$ 1,000.00	\$ 160,000.00
39	30"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 160.00	\$ 1,000.00	\$ 160,000.00
40	30"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 160.00	\$ 500.00	\$ 80,000.00
41	33"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 192.30	\$ 1,000.00	\$ 192,300.00
42	33"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 192.30	\$ 1,000.00	\$ 192,300.00
43	33"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 192.30	\$ 1,000.00	\$ 192,300.00
44	33"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 192.30	\$ 500.00	\$ 96,150.00
45	36"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 209.90	\$ 1,000.00	\$ 209,900.00
46	36"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 209.90	\$ 1,000.00	\$ 209,900.00
47	36"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 209.90	\$ 1,000.00	\$ 209,900.00
48	36"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 209.90	\$ 500.00	\$ 104,950.00
49	39"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.80	\$ 1,000.00	\$ 231,800.00
50	39"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.80	\$ 1,000.00	\$ 231,800.00
51	39"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.80	\$ 1,000.00	\$ 231,800.00
52	39"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.80	\$ 200.00	\$ 46,360.00
53	42"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 265.10	\$ 1,000.00	\$ 265,100.00
54	42"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 265.10	\$ 1,000.00	\$ 265,100.00
55	42"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 265.10	\$ 1,000.00	\$ 265,100.00
56	42"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 265.10	\$ 200.00	\$ 53,020.00
57	6"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.50	\$ 5,000.00	\$ 362,500.00
58	6"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.50	\$ 5,000.00	\$ 362,500.00
59	6"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.50	\$ 1,000.00	\$ 72,500.00
60	6"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.50	\$ 100.00	\$ 7,250.00
61	8"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 47.60	\$ 5,000.00	\$ 238,000.00
62	8"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 47.60	\$ 5,000.00	\$ 238,000.00
63	8"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 58.00	\$ 1,000.00	\$ 58,000.00
64	8"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 57.40	\$ 100.00	\$ 5,740.00
65	10"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 57.40	\$ 2,000.00	\$ 114,800.00
66	10"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 57.40	\$ 2,000.00	\$ 114,800.00
67	10"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 57.40	\$ 1,000.00	\$ 57,400.00
68	10"Host Pipe, 20' Cover Felt CIPP Liner, 6.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 68.60	\$ 100.00	\$ 6,860.00
69	12"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 68.60	\$ 2,000.00	\$ 137,200.00
70	12"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 68.60	\$ 2,000.00	\$ 137,200.00
71	12"Host Pipe, 15' Cover Felt CIPP Liner, 7.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 71.20	\$ 2,000.00	\$ 142,400.00
72	12"Host Pipe, 20' Cover Felt CIPP Liner, 7.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.10	\$ 200.00	\$ 15,820.00
73	15"Host Pipe, 5' Cover Felt CIPP Liner, 6.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 85.70	\$ 2,000.00	\$ 171,400.00
74	15"Host Pipe, 10' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 91.00	\$ 2,000.00	\$ 182,000.00
75	15"Host Pipe, 15' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 94.90	\$ 2,000.00	\$ 189,800.00
76	15"Host Pipe, 20' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 110.80	\$ 200.00	\$ 22,160.00
77	18"Host Pipe, 5' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 123.30	\$ 1,000.00	\$ 123,300.00
78	18"Host Pipe, 10' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 126.60	\$ 1,000.00	\$ 126,600.00
79	18"Host Pipe, 15' Cover Felt CIPP Liner, 10.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 133.20	\$ 1,000.00	\$ 133,200.00
80	18"Host Pipe, 20' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 143.70	\$ 200.00	\$ 28,740.00
81	21"Host Pipe, 5' Cover Felt CIPP Liner, 8.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 149.00	\$ 1,000.00	\$ 149,000.00
82	21"Host Pipe, 10' Cover Felt CIPP Liner, 10.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 155.60	\$ 1,000.00	\$ 155,600.00

83	21"Host Pipe, 15' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 162.20	\$ 1,000.00	\$ 162,200.00
84	21"Host Pipe, 20' Cover Felt CIPP Liner, 14.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 207.00	\$ 200.00	\$ 41,400.00
85	24"Host Pipe, 5' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 178.00	\$ 1,000.00	\$ 178,000.00
86	24"Host Pipe, 10' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 184.60	\$ 1,000.00	\$ 184,600.00
87	24"Host Pipe, 15' Cover Felt CIPP Liner, 14.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 192.50	\$ 1,000.00	\$ 192,500.00
88	24"Host Pipe, 20' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 523.20	\$ 200.00	\$ 104,640.00
89	27"Host Pipe, 5' Cover Felt CIPP Liner, 11.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 154.80	\$ 1,000.00	\$ 154,800.00
90	27"Host Pipe, 10' Cover Felt CIPP Liner, 13.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 162.80	\$ 1,000.00	\$ 162,800.00
91	27"Host Pipe, 15' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 177.70	\$ 1,000.00	\$ 177,700.00
92	27"Host Pipe, 20' Cover Felt CIPP Liner, 18.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 194.90	\$ 500.00	\$ 97,450.00
93	30"Host Pipe, 5' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 170.80	\$ 1,000.00	\$ 170,800.00
94	30"Host Pipe, 10' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 189.20	\$ 1,000.00	\$ 189,200.00
95	30"Host Pipe, 15' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 191.50	\$ 1,000.00	\$ 191,500.00
96	30"Host Pipe, 20' Cover Felt CIPP Liner, 20.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 224.70	\$ 500.00	\$ 112,350.00
97	33"Host Pipe, 5' Cover Felt CIPP Liner, 13.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 196.10	\$ 1,000.00	\$ 196,100.00
98	33"Host Pipe, 10' Cover Felt CIPP Liner, 16.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 215.60	\$ 1,000.00	\$ 215,600.00
99	33"Host Pipe, 15' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 232.80	\$ 1,000.00	\$ 232,800.00
100	33"Host Pipe, 20' Cover Felt CIPP Liner, 22.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 263.70	\$ 500.00	\$ 131,850.00
101	36"Host Pipe, 5' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 224.70	\$ 1,000.00	\$ 224,700.00
102	36"Host Pipe, 10' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 243.10	\$ 1,000.00	\$ 243,100.00
103	36"Host Pipe, 15' Cover Felt CIPP Liner, 21.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 263.70	\$ 1,000.00	\$ 263,700.00
104	36"Host Pipe, 20' Cover Felt CIPP Liner, 23.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 297.00	\$ 500.00	\$ 148,500.00
105	39"Host Pipe, 5' Cover Felt CIPP Liner, 15.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 212.10	\$ 1,000.00	\$ 212,100.00
106	39"Host Pipe, 10' Cover Felt CIPP Liner, 19.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 233.80	\$ 1,000.00	\$ 233,800.00
107	39"Host Pipe, 15' Cover Felt CIPP Liner, 22.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 252.20	\$ 1,000.00	\$ 252,200.00
108	39"Host Pipe, 20' Cover Felt CIPP Liner, 25.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 391.00	\$ 200.00	\$ 78,200.00
109	42"Host Pipe, 5' Cover Felt CIPP Liner, 17.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 238.50	\$ 1,000.00	\$ 238,500.00
110	42"Host Pipe, 10' Cover Felt CIPP Liner, 20.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 259.10	\$ 1,000.00	\$ 259,100.00
111	42"Host Pipe, 15' Cover Felt CIPP Liner, 24.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 294.70	\$ 1,000.00	\$ 294,700.00
112	42"Host Pipe, 20' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 441.40	\$ 200.00	\$ 88,280.00
113	48"Host Pipe, 5' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 283.20	\$ 1,000.00	\$ 283,200.00
114	48"Host Pipe, 10' Cover Felt CIPP Liner, 23.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 320.00	\$ 1,000.00	\$ 320,000.00
115	48"Host Pipe, 15' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 357.70	\$ 1,000.00	\$ 357,700.00
116	48"Host Pipe, 20' Cover Felt CIPP Liner, 32 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 697.10	\$ 100.00	\$ 69,710.00
117	54"Host Pipe, 5' Cover Felt CIPP Liner, 21.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 339.40	\$ 1,000.00	\$ 339,400.00
118	54"Host Pipe, 10' Cover Felt CIPP Liner, 26.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 385.20	\$ 1,000.00	\$ 385,200.00
119	54"Host Pipe, 15' Cover Felt CIPP Liner, 31.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 431.10	\$ 1,000.00	\$ 431,100.00
120	54"Host Pipe, 20' Cover Felt CIPP Liner, 36.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 829.00	\$ 100.00	\$ 82,900.00
121	60"Host Pipe, 5' Cover Felt CIPP Liner, 24.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 391.00	\$ 1,000.00	\$ 391,000.00
122	60"Host Pipe, 10' Cover Felt CIPP Liner, 29.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 457.50	\$ 1,000.00	\$ 457,500.00
123	60"Host Pipe, 15' Cover Felt CIPP Liner, 35.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 520.50	\$ 1,000.00	\$ 520,500.00
124	60"Host Pipe, 20' Cover Felt CIPP Liner, 39.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 997.50	\$ 100.00	\$ 99,750.00
125	66"Host Pipe, 5' Cover Felt CIPP Liner, 26.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 466.50	\$ 1,000.00	\$ 466,500.00
126	66"Host Pipe, 10' Cover Felt CIPP Liner, 32.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 534.50	\$ 1,000.00	\$ 534,500.00
127	66"Host Pipe, 15' Cover Felt CIPP Liner, 38.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 607.70	\$ 1,000.00	\$ 607,700.00
128	66"Host Pipe, 20' Cover Felt CIPP Liner, 43.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,095.00	\$ 100.00	\$ 109,500.00
129	72"Host Pipe, 5' Cover Felt CIPP Liner, 28.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 470.10	\$ 1,000.00	\$ 470,100.00
130	72"Host Pipe, 10' Cover Felt CIPP Liner, 35.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 553.80	\$ 1,000.00	\$ 553,800.00
131	72"Host Pipe, 15' Cover Felt CIPP Liner, 42.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 619.10	\$ 1,000.00	\$ 619,100.00
132	72"Host Pipe, 20' Cover Felt CIPP Liner, 48.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,125.90	\$ 100.00	\$ 112,590.00
133	78"Host Pipe, 5' Cover Felt CIPP Liner, 31.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 533.10	\$ 1,000.00	\$ 533,100.00
134	78"Host Pipe, 10' Cover Felt CIPP Liner, 38.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 622.60	\$ 1,000.00	\$ 622,600.00
135	78"Host Pipe, 15' Cover Felt CIPP Liner, 46.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 714.30	\$ 1,000.00	\$ 714,300.00
136	78"Host Pipe, 20' Cover Felt CIPP Liner, 52.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,250.90	\$ 100.00	\$ 125,090.00
137	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 74.50	\$ 5,000.00	\$ 372,500.00
138	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 92.50	\$ 5,000.00	\$ 462,500.00
139	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 111.50	\$ 5,000.00	\$ 557,500.00
140	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 227.50	\$ 500.00	\$ 113,750.00
141	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 81.00	\$ 5,000.00	\$ 405,000.00
142	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 99.00	\$ 5,000.00	\$ 495,000.00
143	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 118.00	\$ 5,000.00	\$ 590,000.00
144	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 234.50	\$ 5,000.00	\$ 1,172,500.00
145	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 89.50	\$ 5,000.00	\$ 447,500.00
146	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 107.50	\$ 5,000.00	\$ 537,500.00
147	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 126.50	\$ 5,000.00	\$ 632,500.00
148	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 242.50	\$ 5,000.00	\$ 1,212,500.00
149	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 100.00	\$ 5,000.00	\$ 500,000.00
150	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 118.00	\$ 5,000.00	\$ 590,000.00
151	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 137.00	\$ 5,000.00	\$ 685,000.00
152	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 253.50	\$ 5,000.00	\$ 1,267,500.00
153	15"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 116.50	\$ 2,000.00	\$ 233,000.00
154	15"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 133.00	\$ 2,000.00	\$ 266,000.00
155	15"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 165.00	\$ 2,000.00	\$ 330,000.00
156	15"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 317.50	\$ 2,000.00	\$ 635,000.00
157	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 151.50	\$ 1,000.00	\$ 151,500.00
158	18"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 174.00	\$ 1,000.00	\$ 174,000.00
159	18"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 212.00	\$ 1,000.00	\$ 212,000.00
160	18"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 289.00	\$ 1,000.00	\$ 289,000.00
161	21"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 179.50	\$ 1,000.00	\$ 179,500.00
162	21"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 202.00	\$ 1,000.00	\$ 202,000.00
163	21"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 240.00	\$ 1,000.00	\$ 240,000.00
164	21"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 314.50	\$ 1,000.00	\$ 314,500.00
165	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 206.50	\$ 1,000.00	\$ 206,500.00

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332	78"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 1,350.50	\$ 100.00	\$ 135,050.00
333	20"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 317.50	\$ 100.00	\$ 31,750.00
334	20"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 329.00	\$ 100.00	\$ 32,900.00
335	20"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 402.50	\$ 100.00	\$ 40,250.00
336	20"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 454.00	\$ 100.00	\$ 45,400.00
337	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 370.50	\$ 100.00	\$ 37,050.00
338	24"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 363.00	\$ 100.00	\$ 36,300.00
339	24"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 449.00	\$ 100.00	\$ 44,900.00
340	24"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 511.50	\$ 100.00	\$ 51,150.00
341	28"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 399.00	\$ 100.00	\$ 39,900.00
342	28"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 405.00	\$ 100.00	\$ 40,500.00
343	28"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 472.50	\$ 100.00	\$ 47,250.00
344	28"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 521.50	\$ 100.00	\$ 52,150.00
345	32"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 409.00	\$ 100.00	\$ 40,900.00
346	32"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 414.00	\$ 100.00	\$ 41,400.00
347	32"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 486.50	\$ 100.00	\$ 48,650.00
348	32"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 540.50	\$ 100.00	\$ 54,050.00
349	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 432.00	\$ 50.00	\$ 21,600.00
350	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 437.00	\$ 50.00	\$ 21,850.00
351	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 476.50	\$ 50.00	\$ 23,825.00
352	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 501.00	\$ 50.00	\$ 25,050.00
353	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 486.50	\$ 50.00	\$ 24,325.00
354	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 491.50	\$ 50.00	\$ 24,575.00
355	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 523.50	\$ 50.00	\$ 26,175.00
356	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 554.50	\$ 50.00	\$ 27,725.00
357	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 530.00	\$ 50.00	\$ 26,500.00
358	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 545.50	\$ 50.00	\$ 27,275.00
359	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 571.50	\$ 50.00	\$ 28,575.00
360	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 621.50	\$ 50.00	\$ 31,075.00
361	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 117.00	\$ 1,000.00	\$ 117,000.00
362	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 131.50	\$ 1,000.00	\$ 131,500.00
363	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 147.00	\$ 1,000.00	\$ 147,000.00
364	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 186.50	\$ 1,000.00	\$ 186,500.00
365	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 147.50	\$ 100.00	\$ 14,750.00
366	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 206.50	\$ 100.00	\$ 20,650.00
367	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 215.50	\$ 100.00	\$ 21,550.00
368	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 273.00	\$ 100.00	\$ 27,300.00
369	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 155.50	\$ 100.00	\$ 15,550.00
370	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 216.00	\$ 100.00	\$ 21,600.00
371	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 251.50	\$ 100.00	\$ 25,150.00
372	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 338.00	\$ 100.00	\$ 33,800.00
373	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 149.50	\$ 100.00	\$ 14,950.00
374	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 215.00	\$ 100.00	\$ 21,500.00
375	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 242.00	\$ 100.00	\$ 24,200.00
376	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 324.50	\$ 100.00	\$ 32,450.00
377	6"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 775.00	\$ 200.00	\$ 155,000.00
378	8"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,000.50	\$ 200.00	\$ 200,100.00
379	10"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,066.50	\$ 20.00	\$ 21,330.00
380	12"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,294.50	\$ 20.00	\$ 25,890.00
381	15"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,483.50	\$ 12.00	\$ 29,802.00
382	18"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,282.00	\$ 10.00	\$ 32,820.00
383	21"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,071.50	\$ 6.00	\$ 30,429.00
384	24"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,732.50	\$ 6.00	\$ 34,395.00
385	27"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,959.50	\$ 6.00	\$ 35,757.00
386	30"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,406.50	\$ 6.00	\$ 32,439.00
387	33"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,799.00	\$ 6.00	\$ 34,794.00
388	36"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,849.00	\$ 6.00	\$ 35,094.00
389	39"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,539.50	\$ 6.00	\$ 39,237.00
390	42"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,144.50	\$ 6.00	\$ 36,867.00
391	48"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,039.50	\$ 6.00	\$ 42,237.00
392	HCS Reinstatement for CIPP, Mechanized robot	Each	Group 9	Base Bid	Standard	Price Book	\$ 158.00	\$ 1,000.00	\$ 158,000.00
393	HCS Reinstatement for CIPP, Open cut	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,806.00	\$ 10.00	\$ 28,060.00
394	HCS Reinstatement for Open cut repairs or replacements	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,000.00	\$ 250.00	\$ 500,000.00
395	CIPP Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$13,185.00	\$ 100.00	\$ 1,318,500.00
396	CIPP Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$13,185.00	\$ 100.00	\$ 1,318,500.00
397	CIPP Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$13,185.00	\$ 25.00	\$ 329,625.00
398	CIPP Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$13,185.00	\$ 25.00	\$ 329,625.00
399	CIPP Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$13,185.00	\$ 25.00	\$ 329,625.00
400	Point Repair Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$11,481.50	\$ 20.00	\$ 229,630.00
401	Point Repair Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$13,039.00	\$ 50.00	\$ 651,950.00
402	Point Repair Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$14,112.50	\$ 50.00	\$ 705,625.00
403	Point Repair Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$17,440.00	\$ 20.00	\$ 348,800.00
404	Point Repair Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$23,683.00	\$ 20.00	\$ 473,660.00
405	Manhole-Clean Out Adjustment Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,043.00	\$ 1,000.00	\$ 1,043,000.00
406	Manhole-Clean Out Reconstruction Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,453.00	\$ 1,000.00	\$ 1,453,000.00
407	New Manhole Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,017.50	\$ 1,000.00	\$ 2,017,500.00
408	Flow Management Mobilization of 4" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,761.00	\$ 200.00	\$ 952,200.00
409	Flow Management Mobilization of 6" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,300.00	\$ 50.00	\$ 265,000.00
410	Flow Management Mobilization of 8" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,781.00	\$ 25.00	\$ 169,525.00

411	Flow Management Mobilization of 12" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,348.50	\$ 5.00	\$ 46,742.50
412	Flow Management Mobilization of 14" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 14,097.00	\$ 5.00	\$ 70,485.00
413	Flow Management with a 4" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 206.50	\$ 500.00	\$ 103,250.00
414	Flow Management with a 4" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,065.50	\$ 200.00	\$ 413,100.00
415	Flow Management with a 4" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 14,458.50	\$ 200.00	\$ 2,891,700.00
416	Flow Management with a 6" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 217.50	\$ 500.00	\$ 108,750.00
417	Flow Management with a 6" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,169.00	\$ 100.00	\$ 216,900.00
418	Flow Management with a 6" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 15,181.50	\$ 100.00	\$ 1,518,150.00
419	Flow Management with a 8" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 228.50	\$ 500.00	\$ 114,250.00
420	Flow Management with a 8" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,279.00	\$ 50.00	\$ 113,950.00
421	Flow Management with a 8" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 15,952.00	\$ 50.00	\$ 797,600.00
422	Flow Management with a 12" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 247.50	\$ 500.00	\$ 123,750.00
423	Flow Management with a 12" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,482.50	\$ 25.00	\$ 62,062.50
424	Flow Management with a 12" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 17,379.00	\$ 25.00	\$ 434,475.00
425	Flow Management with a 16" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 289.50	\$ 500.00	\$ 144,750.00
426	Flow Management with a 16" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,901.00	\$ 25.00	\$ 72,525.00
427	Flow Management with a 16" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 20,308.50	\$ 25.00	\$ 507,712.50
428	Vactor Truck Monitoring for Flow Management	Hour	Group 9	Base Bid	Standard	Price Book	\$ 349.50	\$ 200.00	\$ 69,900.00
429	Flow Management 4" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 50,000.00	\$ 150,000.00
430	Flow Management 6" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 50,000.00	\$ 150,000.00
431	Flow Management 8" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 5.50	\$ 30,000.00	\$ 165,000.00
432	Flow Management 12" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 6.00	\$ 30,000.00	\$ 180,000.00
433	Flow Management 16" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 8.50	\$ 20,000.00	\$ 170,000.00
434	Flow Management 4" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 20,000.00	\$ 60,000.00
435	Flow Management 6" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 20,000.00	\$ 60,000.00
436	Flow Management 8" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ *550.00	\$ 20,000.00	\$ 11,000,000.00
437	Utility Trench Pavement Patch TYPE 1, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 252.00	\$ 500.00	\$ 126,000.00
438	Utility Trench Pavement Patch TYPE 2, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 281.00	\$ 100.00	\$ 28,100.00
439	Utility Trench Pavement Patch TYPE 3, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 322.50	\$ 100.00	\$ 32,250.00
440	Chip Seal coat, in accordance with Section 404 of PC/COT Std Specs and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 275.50	\$ 100.00	\$ 27,550.00
441	Asphaltic Concrete Finish Course (Mix #3), 2-inch thick layer incremental adjustment to the thickness stated in bid items 45, 46, 47, per Section 406 of PC/COT Std Specs, and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 145.50	\$ 300.00	\$ 43,650.00
442	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾ complete. Daily rate	Day	Group 9	Base Bid	Standard	Price Book	\$ 408.50	\$ 500.00	\$ 204,250.00
443	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾ complete. Weekly rate	Week	Group 9	Base Bid	Standard	Price Book	\$ 675.00	\$ 500.00	\$ 337,500.00
444	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,938.50	\$ 25.00	\$ 173,462.50
445	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 12,958.50	\$ 25.00	\$ 323,962.50
446	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,902.50	\$ 25.00	\$ 197,562.50
447	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 15,587.00	\$ 25.00	\$ 389,675.00
448	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 8,554.50	\$ 25.00	\$ 213,862.50
449	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 14,198.50	\$ 25.00	\$ 354,962.50
450	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,167.00	\$ 25.00	\$ 229,175.00
451	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 18,475.50	\$ 25.00	\$ 461,887.50
452	Furnish and install New 4 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 8,480.00	\$ 25.00	\$ 212,000.00
453	Furnish and install New 4 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 14,165.00	\$ 25.00	\$ 354,125.00
454	Furnish and install New 5 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,096.50	\$ 25.00	\$ 227,412.50
455	Furnish and install New 5 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 18,604.00	\$ 25.00	\$ 465,100.00

* Line No. 436, Scrivener’s Error, Price Book lists \$550.00 when both Parties agreed to \$5.50.

456	Furnish and install New 30" Diameter Reinforced Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,139.50	\$ 100.00	\$ 213,950.00
457	Furnish and install New 30" Diameter Fiberglass Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,130.00	\$ 100.00	\$ 313,000.00
458	Furnish and install New 30" Diameter Polymer Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,276.00	\$ 100.00	\$ 327,600.00
459	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,216.50	\$ 100.00	\$ 121,650.00
460	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,160.00	\$ 100.00	\$ 116,000.00
461	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,089.50	\$ 100.00	\$ 108,950.00
462	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,123.50	\$ 100.00	\$ 112,350.00
463	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,098.50	\$ 100.00	\$ 209,850.00
464	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,022.00	\$ 100.00	\$ 202,200.00
465	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,066.50	\$ 100.00	\$ 206,650.00
466	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,173.50	\$ 100.00	\$ 217,350.00
467	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,881.00	\$ 100.00	\$ 288,100.00
468	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,318.50	\$ 100.00	\$ 231,850.00
469	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,186.00	\$ 100.00	\$ 218,600.00
470	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,193.00	\$ 100.00	\$ 219,300.00
471	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,322.50	\$ 100.00	\$ 332,250.00
472	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,459.00	\$ 100.00	\$ 245,900.00
473	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,084.00	\$ 100.00	\$ 208,400.00
474	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,947.00	\$ 100.00	\$ 194,700.00
475	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,372.50	\$ 100.00	\$ 137,250.00

476	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,261.50	\$ 100.00	\$ 126,150.00
477	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,206.00	\$ 100.00	\$ 120,600.00
478	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,095.50	\$ 100.00	\$ 109,550.00
479	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,452.50	\$ 100.00	\$ 245,250.00
480	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,471.00	\$ 100.00	\$ 247,100.00
481	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,666.00	\$ 100.00	\$ 266,600.00
482	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,590.50	\$ 100.00	\$ 259,050.00
483	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,972.50	\$ 100.00	\$ 297,250.00
484	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,770.50	\$ 100.00	\$ 277,050.00
485	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,499.50	\$ 100.00	\$ 249,950.00
486	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,427.00	\$ 100.00	\$ 242,700.00
487	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,939.50	\$ 100.00	\$ 493,950.00
488	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,505.00	\$ 100.00	\$ 350,500.00
489	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,713.50	\$ 100.00	\$ 271,350.00
490	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,439.50	\$ 100.00	\$ 243,950.00
491	Rehabilitate and install coating on existing manhole base for 4 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F" , and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,799.50	\$ 100.00	\$ 479,950.00
492	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,645.00	\$ 100.00	\$ 564,500.00
493	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,108.00	\$ 25.00	\$ 152,700.00
494	Provide protective coating on existing manhole or structures walls, ceiling, and riser sections, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 91.50	\$50,000.00	\$ 4,575,000.00
495	Provide protective coating on new or existing manhole ring and cover, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 146.00	\$ 2,000.00	\$ 292,000.00
496	Furnish and install a New 14" cleanout frame and cover, as per Sub Appendix N and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 867.00	\$ 100.00	\$ 86,700.00
497	Furnish and install a New 24" manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,076.00	\$ 250.00	\$ 269,000.00
498	Furnish and install a New 24" composite manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,001.00	\$ 100.00	\$ 200,100.00
499	Furnish and install a New 30" manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,323.00	\$ 50.00	\$ 66,150.00
500	Furnish and install a New 30" composite manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,554.50	\$ 50.00	\$ 127,725.00

501	Furnish and install a New 24"Waterproof manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,101.00	\$ 100.00	\$ 110,100.00
502	Furnish and install a New 24"Waterproof composite manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,096.00	\$ 50.00	\$ 104,800.00
503	Furnish and install a New 30"Waterproof manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,369.00	\$ 100.00	\$ 136,900.00
504	Furnish and install a New 30"Waterproof composite manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,433.00	\$ 50.00	\$ 121,650.00
505	Furnish and install a New 24"Bolted Waterproof manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,214.00	\$ 50.00	\$ 60,700.00
506	Furnish and install a New 24"Bolted Waterproof composite manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,069.50	\$ 25.00	\$ 51,737.50
507	Furnish and install a New 30"Bolted Waterproof manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,461.50	\$ 50.00	\$ 73,075.00
508	Furnish and install a New 30"Bolted Waterproof composite manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,449.00	\$ 25.00	\$ 61,225.00
509	Provide concrete collar for manhole per RWRD Std Dtl 211, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 974.00	\$ 500.00	\$ 487,000.00
510	Provide concrete collar for manhole per RWRD Std Dtl 212, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,277.00	\$ 300.00	\$ 383,100.00
511	Adjust Existing 24"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 854.50	\$ 1,000.00	\$ 854,500.00
512	Adjust Existing 30"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 853.00	\$ 500.00	\$ 426,500.00
513	Adjust Existing 24"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 842.50	\$ 1,000.00	\$ 842,500.00
514	Adjust Existing 30"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 873.50	\$ 500.00	\$ 436,750.00
515	Reconstruct Existing Cleanout to the finished grade specified (regardless of height adjustment), complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,413.00	\$ 250.00	\$ 353,250.00
516	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,682.50	\$ 2,000.00	\$ 3,365,000.00
517	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,972.50	\$ 1,000.00	\$ 1,972,500.00
518	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,583.50	\$ 500.00	\$ 791,750.00
519	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,728.50	\$ 500.00	\$ 864,250.00
520	Provide Bench Rehabilitation for a 4 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,589.50	\$ 500.00	\$ 1,294,750.00
521	Provide Bench Rehabilitation for a 5 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,825.00	\$ 500.00	\$ 1,412,500.00
522	Provide Pot-holing Services for PCRWRD, as requested.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 241.00	\$ 2,000.00	\$ 482,000.00
523	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 57.50	\$ 500.00	\$ 28,750.00
524	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 49.50	\$ 1,000.00	\$ 49,500.00
525	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 50.00	\$ 2,000.00	\$ 100,000.00
526	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 99.50	\$ 500.00	\$ 49,750.00
527	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 94.50	\$ 1,000.00	\$ 94,500.00
528	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 100.00	\$ 2,000.00	\$ 200,000.00
529	Concrete Sidewalk Removal and Replacement, per Pima County/City of Tucson Standard Specifications and Dtls. 200 and 203, complete.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 942.00	\$ 1,000.00	\$ 942,000.00
530	PCCP Concrete Removal and Replacement 4" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,250.50	\$ 150.00	\$ 187,575.00
531	PCCP Concrete Removal and Replacement 6" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,193.50	\$ 200.00	\$ 238,700.00
532	PCCP Concrete Removal and Replacement 8" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,099.50	\$ 200.00	\$ 219,900.00
533	Concrete Curb Removal and Replacement, Per Pima County/City of Tucson Standard Specifications and Details	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 736.00	\$ 2,000.00	\$ 1,472,000.00
534	1-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 225.00	\$ 250.00	\$ 56,250.00
535	2-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 225.00	\$ 250.00	\$ 56,250.00
536	Porta Potties, per week	Each	Group 9	Base Bid	Standard	Price Book	\$ 198.50	\$ 200.00	\$ 39,700.00
537	Porta Potties, per day	Each	Group 9	Base Bid	Standard	Price Book	\$ 136.00	\$ 200.00	\$ 27,200.00
538	Grouting of Cavities. Installed in place. Per PCRWRD Specifications.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 552.00	\$ 500.00	\$ 276,000.00
539	CCTV of line 6"to 10"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$50,000.00	\$ 100,000.00
540	CCTV of line 12"to 15"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$50,000.00	\$ 100,000.00
541	CCTV of line 18"and larger	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$50,000.00	\$ 100,000.00
542	Sewer cleaning of lines 6"to 10"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 7.00	\$50,000.00	\$ 350,000.00
543	Sewer cleaning of DIP lines 6"to 10"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 26.00	\$ 1,000.00	\$ 26,000.00
544	Sewer cleaning of lines 12"to 15"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 7.00	\$50,000.00	\$ 350,000.00
545	Sewer cleaning of DIP lines 12"to 15"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 26.00	\$ 1,000.00	\$ 26,000.00

546	Sewer cleaning of lines 18" and larger with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 9.00	\$ 50,000.00	\$ 450,000.00
547	Sewer cleaning of DIP lines 18" and larger with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 34.50	\$ 100.00	\$ 3,450.00
548	Provide As-Built documents, in accordance with the plans and specifications, complete.	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,458.50	\$ 100.00	\$ 145,850.00
549	Provide construction staking, in accordance with the plans and specifications, complete.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 6.00	\$ 50,000.00	\$ 300,000.00
550	Asbestos Cement Pipe (ACP) Removal and Proper Disposal	Ton	Group 9	Base Bid	Standard	Price Book	\$ 3,105.50	\$ 10.00	\$ 31,055.00
551	Remove and dispose security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 23.00	\$ 200.00	\$ 4,600.00
552	Install new security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 78.50	\$ 200.00	\$ 15,700.00
553	Remove and dispose security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 21.00	\$ 500.00	\$ 10,500.00
554	Install new security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 61.00	\$ 500.00	\$ 30,500.00
555	Remove and dispose existing 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 10,461.50	\$ 10.00	\$ 104,615.00
556	Install new 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,970.50	\$ 10.00	\$ 29,705.00
557	Remove and replace 6' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 52.50	\$ 1,500.00	\$ 78,750.00
558	Remove and replace 8' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 82.00	\$ 1,000.00	\$ 82,000.00
559	Archaeological Monitoring	Hour	Group 9	Base Bid	Standard	Price Book	\$ 52.50	\$ 500.00	\$ 26,250.00
560	Hydroseeding	Acre	Group 9	Base Bid	Standard	Price Book	\$ 5,463.00	\$ 10.00	\$ 54,630.00
561	Shop/Engineering Drawings	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,724.50	\$ 100.00	\$ 172,450.00
562	Rip-Rap (D50 6") - Delivered and Installed.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 71.00	\$ 2,000.00	\$ 142,000.00
563	Install Survey Monument per Standard Detail WWM 507.	Each	Group 9	Base Bid	Standard	Price Book	\$ 721.00	\$ 25.00	\$ 18,025.00
564	Provide miscellaneous services, construction materials and installation by Force Account, in accordance with the plans and specifications, complete.		Group 10	Allowance	Cost Allowance	Price Book			\$ 500,000.00



Exhibit E – Price Proposal (21 pages)

RFP-2600000677
**Job Order Contract: Wastewater Conveyance System and Related Facilities Repair,
Rehabilitation & Construction Services**

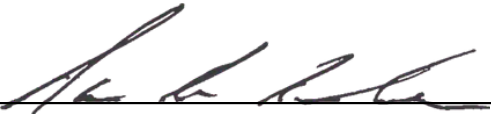
The undersigned Bidder hereby acknowledges receipt of the complete Bid Documents for this project and has examined and is familiar with all documents, including those incorporated by reference, which are applicable to this project. By executing this Bid Schedule, Bidder hereby proposes and agrees to furnish any and all required labor, material, construction equipment, transportation, and services for the project in strict conformity with the Bid Documents set in this Attachment A. Failure to sign Page 1 of this Bid Schedule shall result in Bid being deemed nonresponsive.

CONTRACTOR SHALL SIGNIFY RECEIPT OF AMENDMENT(S) (IF ANY). Any bid that fails to acknowledge any amendment that directly affects cost, scope or schedule will be rejected as nonresponsive.

Addenda #	By (Bidder Initials)	Date	Addenda #	By (Bidder Initials)	Date
One (1)	SB	05/19/26			
Two (2)	SB	05/19/26			

PROPOSAL MUST BE SIGNED BY AN AUTHORIZED CONTRACTOR REPRESENTATIVE

CONTRACTOR HEREBY CERTIFIES that it has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

SIGNATURE:  DATE: May 19, 2026

PRINTED NAME & TITLE: Shane Bustamante, Vice President

LEGAL COMPANY NAME: Borderland Construction Company, Inc.

Price Book - Borderland Construction Company, Inc. (10 Pages)

Code	Description	UOM	Group Id	Group Name	Group Type	Project Name	Price	Quantity	Total Cost
1	6"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 95.48	\$ 5,000.00	\$ 477,400.00
2	6"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 95.48	\$ 5,000.00	\$ 477,400.00
3	6"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 97.77	\$ 1,000.00	\$ 97,770.00
4	6"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 119.19	\$ 100.00	\$ 11,919.00
5	8"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 80.20	\$ 5,000.00	\$ 401,000.00
6	8"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 80.20	\$ 5,000.00	\$ 401,000.00
7	8"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 82.12	\$ 1,000.00	\$ 82,120.00
8	8"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 125.74	\$ 100.00	\$ 12,574.00
9	10"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 83.66	\$ 5,000.00	\$ 418,300.00
10	10"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 83.66	\$ 5,000.00	\$ 418,300.00
11	10"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 85.66	\$ 1,000.00	\$ 85,660.00
12	10"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 117.49	\$ 100.00	\$ 11,749.00
13	12"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 93.65	\$ 2,000.00	\$ 187,300.00
14	12"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 93.65	\$ 2,000.00	\$ 187,300.00
15	12"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 87.76	\$ 2,000.00	\$ 175,520.00
16	12"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 124.70	\$ 200.00	\$ 24,940.00
17	15"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 119.56	\$ 2,000.00	\$ 239,120.00
18	15"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 126.63	\$ 2,000.00	\$ 253,260.00
19	15"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 118.38	\$ 2,000.00	\$ 236,760.00
20	15"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 157.68	\$ 200.00	\$ 31,536.00
21	18"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 178.99	\$ 1,000.00	\$ 178,990.00
22	18"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 170.15	\$ 1,000.00	\$ 170,150.00
23	18"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 149.13	\$ 1,000.00	\$ 149,130.00
24	18"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 191.38	\$ 200.00	\$ 38,276.00
25	21"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 238.57	\$ 1,000.00	\$ 238,570.00
26	21"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.17	\$ 1,000.00	\$ 231,170.00
27	21"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 205.67	\$ 1,000.00	\$ 205,670.00
28	21"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 257.64	\$ 200.00	\$ 51,528.00
29	24"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 263.38	\$ 1,000.00	\$ 263,380.00
30	24"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 254.28	\$ 1,000.00	\$ 254,280.00
31	24"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 231.53	\$ 1,000.00	\$ 231,530.00
32	24"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 292.85	\$ 200.00	\$ 58,570.00
33	27"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 289.34	\$ 1,000.00	\$ 289,340.00
34	27"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 295.49	\$ 1,000.00	\$ 295,490.00
35	27"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 292.85	\$ 1,000.00	\$ 292,850.00
36	27"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 297.13	\$ 500.00	\$ 148,565.00
37	30"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 286.93	\$ 1,000.00	\$ 286,930.00
38	30"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 292.35	\$ 1,000.00	\$ 292,350.00
39	30"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 293.91	\$ 1,000.00	\$ 293,910.00
40	30"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 298.19	\$ 500.00	\$ 149,095.00
41	33"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 363.11	\$ 1,000.00	\$ 363,110.00
42	33"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 368.47	\$ 1,000.00	\$ 368,470.00
43	33"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 370.04	\$ 1,000.00	\$ 370,040.00
44	33"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 374.31	\$ 500.00	\$ 187,155.00
45	36"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 402.18	\$ 1,000.00	\$ 402,180.00
46	36"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 407.59	\$ 1,000.00	\$ 407,590.00
47	36"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 409.16	\$ 1,000.00	\$ 409,160.00
48	36"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 413.43	\$ 500.00	\$ 206,715.00
49	39"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 432.84	\$ 1,000.00	\$ 432,840.00
50	39"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 438.26	\$ 1,000.00	\$ 438,260.00
51	39"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 439.82	\$ 1,000.00	\$ 439,820.00
52	39"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 455.42	\$ 200.00	\$ 91,084.00
53	42"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 511.32	\$ 1,000.00	\$ 511,320.00
54	42"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 517.08	\$ 1,000.00	\$ 517,080.00
55	42"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 518.53	\$ 1,000.00	\$ 518,530.00
56	42"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 525.03	\$ 200.00	\$ 105,006.00
57	6"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 68.49	\$ 5,000.00	\$ 342,450.00
58	6"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.69	\$ 5,000.00	\$ 353,450.00
59	6"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.85	\$ 1,000.00	\$ 70,850.00
60	6"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 91.82	\$ 100.00	\$ 9,182.00
61	8"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.53	\$ 5,000.00	\$ 277,650.00
62	8"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.53	\$ 5,000.00	\$ 277,650.00
63	8"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 57.39	\$ 1,000.00	\$ 57,390.00
64	8"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.38	\$ 100.00	\$ 7,038.00
65	10"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 67.74	\$ 2,000.00	\$ 135,480.00
66	10"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 67.74	\$ 2,000.00	\$ 135,480.00
67	10"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 66.81	\$ 1,000.00	\$ 66,810.00
68	10"Host Pipe, 20' Cover Felt CIPP Liner, 6.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.81	\$ 100.00	\$ 7,981.00
69	12"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 74.81	\$ 2,000.00	\$ 149,620.00
70	12"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 74.81	\$ 2,000.00	\$ 149,620.00
71	12"Host Pipe, 15' Cover Felt CIPP Liner, 7.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 77.16	\$ 2,000.00	\$ 154,320.00
72	12"Host Pipe, 20' Cover Felt CIPP Liner, 7.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 89.23	\$ 200.00	\$ 17,846.00
73	15"Host Pipe, 5' Cover Felt CIPP Liner, 6.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 99.54	\$ 2,000.00	\$ 199,080.00
74	15"Host Pipe, 10' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 101.90	\$ 2,000.00	\$ 203,800.00
75	15"Host Pipe, 15' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 105.43	\$ 2,000.00	\$ 210,860.00
76	15"Host Pipe, 20' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 117.49	\$ 200.00	\$ 23,498.00
77	18"Host Pipe, 5' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 110.40	\$ 1,000.00	\$ 110,400.00
78	18"Host Pipe, 10' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 114.83	\$ 1,000.00	\$ 114,830.00
79	18"Host Pipe, 15' Cover Felt CIPP Liner, 10.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 125.91	\$ 1,000.00	\$ 125,910.00
80	18"Host Pipe, 20' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 138.13	\$ 200.00	\$ 27,626.00
81	21"Host Pipe, 5' Cover Felt CIPP Liner, 8.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 167.86	\$ 1,000.00	\$ 167,860.00
82	21"Host Pipe, 10' Cover Felt CIPP Liner, 10.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 177.10	\$ 1,000.00	\$ 177,100.00

83	21"Host Pipe, 15' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 185.43	\$ 1,000.00	\$ 185,430.00
84	21"Host Pipe, 20' Cover Felt CIPP Liner, 14.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 207.21	\$ 200.00	\$ 41,442.00
85	24"Host Pipe, 5' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 197.83	\$ 1,000.00	\$ 197,830.00
86	24"Host Pipe, 10' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 204.59	\$ 1,000.00	\$ 204,590.00
87	24"Host Pipe, 15' Cover Felt CIPP Liner, 14.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 216.73	\$ 1,000.00	\$ 216,730.00
88	24"Host Pipe, 20' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 237.87	\$ 200.00	\$ 47,574.00
89	27"Host Pipe, 5' Cover Felt CIPP Liner, 11.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 154.00	\$ 1,000.00	\$ 154,000.00
90	27"Host Pipe, 10' Cover Felt CIPP Liner, 13.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 167.56	\$ 1,000.00	\$ 167,560.00
91	27"Host Pipe, 15' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 178.66	\$ 1,000.00	\$ 178,660.00
92	27"Host Pipe, 20' Cover Felt CIPP Liner, 18.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 198.80	\$ 500.00	\$ 99,400.00
93	30"Host Pipe, 5' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 165.34	\$ 1,000.00	\$ 165,340.00
94	30"Host Pipe, 10' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 187.67	\$ 1,000.00	\$ 187,670.00
95	30"Host Pipe, 15' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 191.35	\$ 1,000.00	\$ 191,350.00
96	30"Host Pipe, 20' Cover Felt CIPP Liner, 20.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 226.29	\$ 500.00	\$ 113,145.00
97	33"Host Pipe, 5' Cover Felt CIPP Liner, 13.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 188.65	\$ 1,000.00	\$ 188,650.00
98	33"Host Pipe, 10' Cover Felt CIPP Liner, 16.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 211.99	\$ 1,000.00	\$ 211,990.00
99	33"Host Pipe, 15' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 229.41	\$ 1,000.00	\$ 229,410.00
100	33"Host Pipe, 20' Cover Felt CIPP Liner, 22.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 262.24	\$ 500.00	\$ 131,120.00
101	36"Host Pipe, 5' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 215.03	\$ 1,000.00	\$ 215,030.00
102	36"Host Pipe, 10' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 237.37	\$ 1,000.00	\$ 237,370.00
103	36"Host Pipe, 15' Cover Felt CIPP Liner, 21.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 257.96	\$ 1,000.00	\$ 257,960.00
104	36"Host Pipe, 20' Cover Felt CIPP Liner, 23.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 292.90	\$ 500.00	\$ 146,450.00
105	39"Host Pipe, 5' Cover Felt CIPP Liner, 15.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 203.40	\$ 1,000.00	\$ 203,400.00
106	39"Host Pipe, 10' Cover Felt CIPP Liner, 19.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 227.85	\$ 1,000.00	\$ 227,850.00
107	39"Host Pipe, 15' Cover Felt CIPP Liner, 22.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 247.39	\$ 1,000.00	\$ 247,390.00
108	39"Host Pipe, 20' Cover Felt CIPP Liner, 25.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 390.92	\$ 200.00	\$ 78,184.00
109	42"Host Pipe, 5' Cover Felt CIPP Liner, 17.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 227.96	\$ 1,000.00	\$ 227,960.00
110	42"Host Pipe, 10' Cover Felt CIPP Liner, 20.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 252.75	\$ 1,000.00	\$ 252,750.00
111	42"Host Pipe, 15' Cover Felt CIPP Liner, 24.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 286.98	\$ 1,000.00	\$ 286,980.00
112	42"Host Pipe, 20' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 428.81	\$ 200.00	\$ 85,762.00
113	48"Host Pipe, 5' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 269.19	\$ 1,000.00	\$ 269,190.00
114	48"Host Pipe, 10' Cover Felt CIPP Liner, 23.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 308.68	\$ 1,000.00	\$ 308,680.00
115	48"Host Pipe, 15' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 345.13	\$ 1,000.00	\$ 345,130.00
116	48"Host Pipe, 20' Cover Felt CIPP Liner, 32 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 686.33	\$ 100.00	\$ 68,633.00
117	54"Host Pipe, 5' Cover Felt CIPP Liner, 21.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 321.06	\$ 1,000.00	\$ 321,060.00
118	54"Host Pipe, 10' Cover Felt CIPP Liner, 26.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 368.94	\$ 1,000.00	\$ 368,940.00
119	54"Host Pipe, 15' Cover Felt CIPP Liner, 31.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 412.80	\$ 1,000.00	\$ 412,800.00
120	54"Host Pipe, 20' Cover Felt CIPP Liner, 36.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 807.93	\$ 100.00	\$ 80,793.00
121	60"Host Pipe, 5' Cover Felt CIPP Liner, 24.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 368.58	\$ 1,000.00	\$ 368,580.00
122	60"Host Pipe, 10' Cover Felt CIPP Liner, 29.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 435.56	\$ 1,000.00	\$ 435,560.00
123	60"Host Pipe, 15' Cover Felt CIPP Liner, 35.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 495.27	\$ 1,000.00	\$ 495,270.00
124	60"Host Pipe, 20' Cover Felt CIPP Liner, 39.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 963.35	\$ 100.00	\$ 96,335.00
125	66"Host Pipe, 5' Cover Felt CIPP Liner, 26.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 438.36	\$ 1,000.00	\$ 438,360.00
126	66"Host Pipe, 10' Cover Felt CIPP Liner, 32.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 506.40	\$ 1,000.00	\$ 506,400.00
127	66"Host Pipe, 15' Cover Felt CIPP Liner, 38.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 575.63	\$ 1,000.00	\$ 575,630.00
128	66"Host Pipe, 20' Cover Felt CIPP Liner, 43.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,053.22	\$ 100.00	\$ 105,322.00
129	72"Host Pipe, 5' Cover Felt CIPP Liner, 28.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 441.54	\$ 1,000.00	\$ 441,540.00
130	72"Host Pipe, 10' Cover Felt CIPP Liner, 35.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 524.37	\$ 1,000.00	\$ 524,370.00
131	72"Host Pipe, 15' Cover Felt CIPP Liner, 42.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 586.20	\$ 1,000.00	\$ 586,200.00
132	72"Host Pipe, 20' Cover Felt CIPP Liner, 48.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,081.77	\$ 100.00	\$ 108,177.00
133	78"Host Pipe, 5' Cover Felt CIPP Liner, 31.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 503.39	\$ 1,000.00	\$ 503,390.00
134	78"Host Pipe, 10' Cover Felt CIPP Liner, 38.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 587.81	\$ 1,000.00	\$ 587,810.00
135	78"Host Pipe, 15' Cover Felt CIPP Liner, 46.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 673.96	\$ 1,000.00	\$ 673,960.00
136	78"Host Pipe, 20' Cover Felt CIPP Liner, 52.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,197.02	\$ 100.00	\$ 119,702.00
137	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 81.96	\$ 5,000.00	\$ 409,800.00
138	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 97.23	\$ 5,000.00	\$ 486,150.00
139	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 125.40	\$ 5,000.00	\$ 627,000.00
140	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 212.11	\$ 500.00	\$ 106,055.00
141	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 88.64	\$ 5,000.00	\$ 443,200.00
142	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 103.91	\$ 5,000.00	\$ 519,550.00
143	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 147.76	\$ 5,000.00	\$ 738,800.00
144	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 175.62	\$ 5,000.00	\$ 878,100.00
145	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 96.49	\$ 5,000.00	\$ 482,450.00
146	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 111.75	\$ 5,000.00	\$ 558,750.00
147	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 155.60	\$ 5,000.00	\$ 778,000.00
148	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 205.42	\$ 5,000.00	\$ 1,027,100.00
149	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 110.68	\$ 5,000.00	\$ 553,400.00
150	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 125.95	\$ 5,000.00	\$ 629,750.00
151	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 169.80	\$ 5,000.00	\$ 849,000.00
152	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 229.10	\$ 5,000.00	\$ 1,145,500.00
153	15"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 121.55	\$ 2,000.00	\$ 243,100.00
154	15"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 135.96	\$ 2,000.00	\$ 271,920.00
155	15"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 191.16	\$ 2,000.00	\$ 382,320.00
156	15"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 233.38	\$ 2,000.00	\$ 466,760.00
157	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 109.22	\$ 1,000.00	\$ 109,220.00
158	18"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 120.38	\$ 1,000.00	\$ 120,380.00
159	18"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 152.42	\$ 1,000.00	\$ 152,420.00
160	18"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 195.75	\$ 1,000.00	\$ 195,750.00
161	21"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 121.24	\$ 1,000.00	\$ 121,240.00
162	21"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 134.38	\$ 1,000.00	\$ 134,380.00
163	21"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 165.00	\$ 1,000.00	\$ 165,000.00
164	21"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 219.99	\$ 1,000.00	\$ 219,990.00
165	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 150.21	\$ 1,000.00	\$ 150,210.00

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249	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,655.41	\$ 50.00	\$ 82,770.50
250	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,659.23	\$ 50.00	\$ 82,961.50
251	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,733.45	\$ 50.00	\$ 86,672.50
252	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,797.09	\$ 50.00	\$ 89,854.50
253	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,248.24	\$ 50.00	\$ 112,412.00
254	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,255.92	\$ 50.00	\$ 112,796.00
255	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,307.23	\$ 50.00	\$ 115,361.50
256	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,370.66	\$ 50.00	\$ 118,533.00
257	54"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,812.49	\$ 50.00	\$ 90,624.50
258	54"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,820.16	\$ 50.00	\$ 91,008.00
259	54"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,069.75	\$ 50.00	\$ 103,487.50
260	54"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,934.90	\$ 50.00	\$ 96,745.00
261	60"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,092.93	\$ 50.00	\$ 104,646.50
262	60"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,100.60	\$ 50.00	\$ 105,030.00
263	60"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,161.64	\$ 50.00	\$ 108,082.00
264	60"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,215.34	\$ 50.00	\$ 110,767.00
265	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 102.70	\$ 5,000.00	\$ 513,500.00
266	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 117.98	\$ 5,000.00	\$ 589,900.00
267	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 172.30	\$ 5,000.00	\$ 861,500.00
268	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 227.66	\$ 500.00	\$ 113,830.00
269	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 95.96	\$ 5,000.00	\$ 479,800.00
270	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 103.01	\$ 5,000.00	\$ 515,050.00
271	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 151.69	\$ 5,000.00	\$ 758,450.00
272	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 244.97	\$ 500.00	\$ 122,485.00
273	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 113.16	\$ 5,000.00	\$ 565,800.00
274	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 125.39	\$ 5,000.00	\$ 626,950.00
275	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 168.84	\$ 5,000.00	\$ 844,200.00
276	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 266.41	\$ 500.00	\$ 133,205.00
277	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 137.09	\$ 1,000.00	\$ 137,090.00
278	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 149.31	\$ 1,000.00	\$ 149,310.00
279	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 192.77	\$ 1,000.00	\$ 192,770.00
280	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 245.47	\$ 1,000.00	\$ 245,470.00
281	14" Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 143.84	\$ 1,000.00	\$ 143,840.00
282	14"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 155.32	\$ 1,000.00	\$ 155,320.00
283	14"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 196.15	\$ 1,000.00	\$ 196,150.00
284	14"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 245.67	\$ 1,000.00	\$ 245,670.00
285	16"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 175.89	\$ 1,000.00	\$ 175,890.00
286	16"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 185.94	\$ 1,000.00	\$ 185,940.00
287	16"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 221.67	\$ 1,000.00	\$ 221,670.00
288	16"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 264.99	\$ 1,000.00	\$ 264,990.00
289	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 161.41	\$ 1,000.00	\$ 161,410.00
290	18"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 171.01	\$ 1,000.00	\$ 171,010.00
291	18"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 205.15	\$ 1,000.00	\$ 205,150.00
292	18"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 246.55	\$ 1,000.00	\$ 246,550.00
293	20"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 195.75	\$ 1,000.00	\$ 195,750.00
294	20"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 207.84	\$ 1,000.00	\$ 207,840.00
295	20"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 345.67	\$ 1,000.00	\$ 345,670.00
296	20"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 404.82	\$ 1,000.00	\$ 404,820.00
297	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 216.17	\$ 100.00	\$ 21,617.00
298	24"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 231.56	\$ 100.00	\$ 23,156.00
299	24"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 272.48	\$ 100.00	\$ 27,248.00
300	24"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 310.66	\$ 100.00	\$ 31,066.00
301	30"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 279.85	\$ 100.00	\$ 27,985.00
302	30"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 280.11	\$ 100.00	\$ 28,011.00
303	30"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 324.65	\$ 100.00	\$ 32,465.00
304	30"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 362.83	\$ 100.00	\$ 36,283.00
305	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 365.00	\$ 100.00	\$ 36,500.00
306	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 369.74	\$ 100.00	\$ 36,974.00
307	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 399.68	\$ 100.00	\$ 39,968.00
308	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 437.73	\$ 100.00	\$ 43,773.00
309	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 502.33	\$ 50.00	\$ 25,116.50
310	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 507.07	\$ 50.00	\$ 25,353.50
311	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 537.00	\$ 50.00	\$ 26,850.00
312	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 575.06	\$ 50.00	\$ 28,753.00
313	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 490.49	\$ 50.00	\$ 24,524.50
314	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 490.91	\$ 50.00	\$ 24,545.50
315	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 525.88	\$ 50.00	\$ 26,294.00
316	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 609.23	\$ 50.00	\$ 30,461.50
317	60"Host Pipe, <=5' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 514.62	\$ 100.00	\$ 51,462.00
318	60"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 534.16	\$ 100.00	\$ 53,416.00
319	60"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 584.02	\$ 100.00	\$ 58,402.00
320	60"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 729.86	\$ 100.00	\$ 72,986.00
321	66"Host Pipe, <=5' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 585.49	\$ 100.00	\$ 58,549.00
322	66"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 605.03	\$ 100.00	\$ 60,503.00
323	66"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 654.88	\$ 100.00	\$ 65,488.00
324	66"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 800.72	\$ 100.00	\$ 80,072.00
325	72"Host Pipe, <=5' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 660.30	\$ 100.00	\$ 66,030.00
326	72"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 679.84	\$ 100.00	\$ 67,984.00
327	72"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 729.69	\$ 100.00	\$ 72,969.00
328	72"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 875.53	\$ 100.00	\$ 87,553.00
329	78"Host Pipe, <=5' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 686.85	\$ 100.00	\$ 68,685.00
330	78"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 743.40	\$ 100.00	\$ 74,340.00
331	78"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 793.26	\$ 100.00	\$ 79,326.00

332	78"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 939.09	\$ 100.00	\$ 93,909.00
333	20"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 272.78	\$ 100.00	\$ 27,278.00
334	20"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 294.27	\$ 100.00	\$ 29,427.00
335	20"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 348.21	\$ 100.00	\$ 34,821.00
336	20"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 417.72	\$ 100.00	\$ 41,772.00
337	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 364.30	\$ 100.00	\$ 36,430.00
338	24"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 379.75	\$ 100.00	\$ 37,975.00
339	24"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 435.52	\$ 100.00	\$ 43,552.00
340	24"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 533.58	\$ 100.00	\$ 53,358.00
341	28"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 590.14	\$ 100.00	\$ 59,014.00
342	28"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 605.59	\$ 100.00	\$ 60,559.00
343	28"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 663.48	\$ 100.00	\$ 66,348.00
344	28"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 737.27	\$ 100.00	\$ 73,727.00
345	32"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 659.07	\$ 100.00	\$ 65,907.00
346	32"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 673.74	\$ 100.00	\$ 67,374.00
347	32"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 732.40	\$ 100.00	\$ 73,240.00
348	32"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 796.15	\$ 100.00	\$ 79,615.00
349	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 722.21	\$ 50.00	\$ 36,110.50
350	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 735.30	\$ 50.00	\$ 36,765.00
351	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 805.27	\$ 50.00	\$ 40,263.50
352	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 807.48	\$ 50.00	\$ 40,374.00
353	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 822.51	\$ 50.00	\$ 41,125.50
354	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 835.60	\$ 50.00	\$ 41,780.00
355	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 905.58	\$ 50.00	\$ 45,279.00
356	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 907.79	\$ 50.00	\$ 45,389.50
357	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 901.81	\$ 50.00	\$ 45,090.50
358	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 941.78	\$ 50.00	\$ 47,089.00
359	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 1,005.88	\$ 50.00	\$ 50,294.00
360	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 1,084.17	\$ 50.00	\$ 54,208.50
361	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 147.17	\$ 1,000.00	\$ 147,170.00
362	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 132.09	\$ 1,000.00	\$ 132,090.00
363	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 178.64	\$ 1,000.00	\$ 178,640.00
364	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 178.85	\$ 1,000.00	\$ 178,850.00
365	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 162.15	\$ 100.00	\$ 16,215.00
366	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 143.40	\$ 100.00	\$ 14,340.00
367	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 1,690.70	\$ 100.00	\$ 169,070.00
368	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 204.51	\$ 100.00	\$ 20,451.00
369	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 209.21	\$ 100.00	\$ 20,921.00
370	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 204.82	\$ 100.00	\$ 20,482.00
371	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 251.58	\$ 100.00	\$ 25,158.00
372	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 251.58	\$ 100.00	\$ 25,158.00
373	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 164.69	\$ 100.00	\$ 16,469.00
374	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 160.30	\$ 100.00	\$ 16,030.00
375	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 207.06	\$ 100.00	\$ 20,706.00
376	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 226.52	\$ 100.00	\$ 22,652.00
377	6"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 574.75	\$ 200.00	\$ 114,950.00
378	8"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 712.55	\$ 200.00	\$ 142,510.00
379	10"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 977.55	\$ 20.00	\$ 19,551.00
380	12"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,153.03	\$ 20.00	\$ 23,060.60
381	15"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,198.89	\$ 12.00	\$ 26,386.68
382	18"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,899.66	\$ 10.00	\$ 28,996.60
383	21"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,336.61	\$ 6.00	\$ 20,019.66
384	24"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,367.08	\$ 6.00	\$ 32,202.48
385	27"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,392.99	\$ 6.00	\$ 32,357.94
386	30"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,647.39	\$ 6.00	\$ 33,884.34
387	33"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,655.49	\$ 6.00	\$ 45,932.94
388	36"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,219.79	\$ 6.00	\$ 37,318.74
389	39"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 8,244.37	\$ 6.00	\$ 49,466.22
390	42"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,919.30	\$ 6.00	\$ 47,515.80
391	48"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,888.53	\$ 6.00	\$ 59,331.18
392	HCS Reinstatement for CIPP, Mechanized robot	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,738.31	\$ 1,000.00	\$ 2,738,310.00
393	HCS Reinstatement for CIPP, Open cut	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,533.30	\$ 10.00	\$ 35,333.00
394	HCS Reinstatement for Open cut repairs or replacements	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,766.65	\$ 250.00	\$ 441,662.50
395	CIPP Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$25,965.48	\$ 100.00	\$ 2,596,548.00
396	CIPP Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$25,347.39	\$ 100.00	\$ 2,534,739.00
397	CIPP Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$17,498.14	\$ 25.00	\$ 437,453.50
398	CIPP Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$13,767.93	\$ 25.00	\$ 344,198.25
399	CIPP Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$13,767.93	\$ 25.00	\$ 344,198.25
400	Point Repair Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$10,679.28	\$ 20.00	\$ 213,585.60
401	Point Repair Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$12,016.05	\$ 50.00	\$ 600,802.50
402	Point Repair Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$12,224.51	\$ 50.00	\$ 611,225.50
403	Point Repair Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$12,855.26	\$ 20.00	\$ 257,105.20
404	Point Repair Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$17,599.64	\$ 20.00	\$ 351,992.80
405	Manhole-Clean Out Adjustment Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 784.98	\$ 1,000.00	\$ 784,980.00
406	Manhole-Clean Out Reconstruction Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,478.57	\$ 1,000.00	\$ 1,478,570.00
407	New Manhole Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,891.89	\$ 1,000.00	\$ 2,891,890.00
408	Flow Management Mobilization of 4" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,796.09	\$ 200.00	\$ 359,218.00
409	Flow Management Mobilization of 6" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,837.32	\$ 50.00	\$ 91,866.00
410	Flow Management Mobilization of 8" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,178.87	\$ 25.00	\$ 54,471.75

411	Flow Management Mobilization of 12" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,434.60	\$ 5.00	\$ 27,173.00
412	Flow Management Mobilization of 14" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,434.60	\$ 5.00	\$ 27,173.00
413	Flow Management with a 4" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 229.66	\$ 500.00	\$ 114,830.00
414	Flow Management with a 4" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 1,825.54	\$ 200.00	\$ 365,108.00
415	Flow Management with a 4" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$10,482.13	\$ 200.00	\$ 2,096,426.00
416	Flow Management with a 6" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 256.75	\$ 500.00	\$ 128,375.00
417	Flow Management with a 6" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,061.09	\$ 100.00	\$ 206,109.00
418	Flow Management with a 6" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$11,188.79	\$ 100.00	\$ 1,118,879.00
419	Flow Management with a 8" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 301.51	\$ 500.00	\$ 150,755.00
420	Flow Management with a 8" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,414.42	\$ 50.00	\$ 120,721.00
421	Flow Management with a 8" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$13,308.77	\$ 50.00	\$ 665,438.50
422	Flow Management with a 12" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 399.67	\$ 500.00	\$ 199,835.00
423	Flow Management with a 12" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 3,198.38	\$ 25.00	\$ 79,959.50
424	Flow Management with a 12" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$16,631.56	\$ 25.00	\$ 415,789.00
425	Flow Management with a 16" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 482.14	\$ 500.00	\$ 241,070.00
426	Flow Management with a 16" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 3,859.20	\$ 25.00	\$ 96,480.00
427	Flow Management with a 16" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$19,047.53	\$ 25.00	\$ 476,188.25
428	Vactor Truck Monitoring for Flow Management	Hour	Group 9	Base Bid	Standard	Price Book	\$ 359.22	\$ 200.00	\$ 71,844.00
429	Flow Management 4" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 5.89	\$50,000.00	\$ 294,500.00
430	Flow Management 6" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 7.36	\$50,000.00	\$ 368,000.00
431	Flow Management 8" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 11.78	\$30,000.00	\$ 353,400.00
432	Flow Management 12" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 11.63	\$30,000.00	\$ 348,900.00
433	Flow Management 16" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 12.69	\$20,000.00	\$ 253,800.00
434	Flow Management 4" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 7.40	\$20,000.00	\$ 148,000.00
435	Flow Management 6" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 8.46	\$20,000.00	\$ 169,200.00
436	Flow Management 8" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 12.69	\$20,000.00	\$ 253,800.00
437	Utility Trench Pavement Patch TYPE 1, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 297.31	\$ 500.00	\$ 148,655.00
438	Utility Trench Pavement Patch TYPE 2, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 296.98	\$ 100.00	\$ 29,698.00
439	Utility Trench Pavement Patch TYPE 3, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 388.85	\$ 100.00	\$ 38,885.00
440	Chip Seal coat, in accordance with Section 404 of PC/COT Std Specs and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 153.87	\$ 100.00	\$ 15,387.00
441	Asphaltic Concrete Finish Course (Mix #3), 2-inch thick layer incremental adjustment to the thickness stated in bid items 45, 46, 47, per Section 406 of PC/COT Std Specs, and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 226.44	\$ 300.00	\$ 67,932.00
442	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾ complete. Daily rate	Day	Group 9	Base Bid	Standard	Price Book	\$ 188.52	\$ 500.00	\$ 94,260.00
443	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾ complete. Weekly	Week	Group 9	Base Bid	Standard	Price Book	\$ 477.07	\$ 500.00	\$ 238,535.00
444	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,367.26	\$ 25.00	\$ 134,181.50
445	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$17,501.94	\$ 25.00	\$ 437,548.50
446	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,749.19	\$ 25.00	\$ 168,729.75
447	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$25,270.61	\$ 25.00	\$ 631,765.25
448	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 8,200.44	\$ 25.00	\$ 205,011.00
449	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$20,780.74	\$ 25.00	\$ 519,518.50
450	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,672.65	\$ 25.00	\$ 241,816.25
451	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$27,603.35	\$ 25.00	\$ 690,083.75
452	Furnish and install New 4 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 8,112.11	\$ 25.00	\$ 202,802.75
453	Furnish and install New 4 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$20,780.74	\$ 25.00	\$ 519,518.50
454	Furnish and install New 5 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,554.87	\$ 25.00	\$ 238,871.75
455	Furnish and install New 5 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$25,707.38	\$ 25.00	\$ 642,684.50

456	Furnish and install New 30" Diameter Reinforced Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,411.14	\$ 100.00	\$ 341,114.00
457	Furnish and install New 30" Diameter Fiberglass Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,925.39	\$ 100.00	\$ 192,539.00
458	Furnish and install New 30" Diameter Polymer Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,182.49	\$ 100.00	\$ 218,249.00
459	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,116.53	\$ 100.00	\$ 211,653.00
460	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,722.32	\$ 100.00	\$ 172,232.00
461	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 880.72	\$ 100.00	\$ 88,072.00
462	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 710.41	\$ 100.00	\$ 71,041.00
463	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,258.24	\$ 100.00	\$ 225,824.00
464	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,380.53	\$ 100.00	\$ 138,053.00
465	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,341.24	\$ 100.00	\$ 134,124.00
466	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,365.73	\$ 100.00	\$ 136,573.00
467	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,551.79	\$ 100.00	\$ 455,179.00
468	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,189.38	\$ 100.00	\$ 318,938.00
469	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,964.27	\$ 100.00	\$ 296,427.00
470	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,184.60	\$ 100.00	\$ 318,460.00
471	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,424.34	\$ 100.00	\$ 242,434.00
472	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,671.75	\$ 100.00	\$ 167,175.00
473	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,422.02	\$ 100.00	\$ 142,202.00
474	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,399.40	\$ 100.00	\$ 139,940.00
475	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,913.76	\$ 100.00	\$ 291,376.00

476	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,783.63	\$ 100.00	\$ 178,363.00
477	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,007.45	\$ 100.00	\$ 100,745.00
478	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 742.21	\$ 100.00	\$ 74,221.00
479	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,137.42	\$ 100.00	\$ 413,742.00
480	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,252.44	\$ 100.00	\$ 225,244.00
481	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,109.57	\$ 100.00	\$ 210,957.00
482	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,039.93	\$ 100.00	\$ 203,993.00
483	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 6,384.17	\$ 100.00	\$ 638,417.00
484	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 6,076.79	\$ 100.00	\$ 607,679.00
485	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,291.95	\$ 100.00	\$ 429,195.00
486	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,962.10	\$ 100.00	\$ 396,210.00
487	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,503.64	\$ 100.00	\$ 350,364.00
488	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,298.89	\$ 100.00	\$ 229,889.00
489	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,750.27	\$ 100.00	\$ 175,027.00
490	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,643.26	\$ 100.00	\$ 164,326.00
491	Rehabilitate and install coating on existing manhole base for 4 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F" , and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,496.56	\$ 100.00	\$ 649,656.00
492	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,428.25	\$ 100.00	\$ 642,825.00
493	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,428.25	\$ 25.00	\$ 160,706.25
494	Provide protective coating on existing manhole or structures walls, ceiling, and riser sections, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 106.94	\$ 50,000.00	\$ 5,347,000.00
495	Provide protective coating on new or existing manhole ring and cover, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 173.57	\$ 2,000.00	\$ 347,140.00
496	Furnish and install a New 14" cleanout frame and cover, as per Sub Appendix N and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,122.12	\$ 100.00	\$ 112,212.00
497	Furnish and install a New 24" manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,246.67	\$ 250.00	\$ 311,667.50
498	Furnish and install a New 24" composite manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,409.12	\$ 100.00	\$ 240,912.00
499	Furnish and install a New 30" manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,600.00	\$ 50.00	\$ 80,000.00
500	Furnish and install a New 30" composite manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,220.60	\$ 50.00	\$ 161,030.00

501	Furnish and install a New 24"Waterproof manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,276.11	\$ 100.00	\$ 127,611.00
502	Furnish and install a New 24"Waterproof composite manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,129.99	\$ 50.00	\$ 106,499.50
503	Furnish and install a New 30"Waterproof manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,600.00	\$ 100.00	\$ 160,000.00
504	Furnish and install a New 30"Waterproof composite manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,220.60	\$ 50.00	\$ 161,030.00
505	Furnish and install a New 24"Bolted Waterproof manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,305.55	\$ 50.00	\$ 65,277.50
506	Furnish and install a New 24"Bolted Waterproof composite manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,409.12	\$ 25.00	\$ 60,228.00
507	Furnish and install a New 30"Bolted Waterproof manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,629.44	\$ 50.00	\$ 81,472.00
508	Furnish and install a New 30"Bolted Waterproof composite manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,220.60	\$ 25.00	\$ 80,515.00
509	Provide concrete collar for manhole per RWRD Std Dtl 211, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,363.74	\$ 500.00	\$ 681,870.00
510	Provide concrete collar for manhole per RWRD Std Dtl 212, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,429.40	\$ 300.00	\$ 428,820.00
511	Adjust Existing 24"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 856.68	\$ 1,000.00	\$ 856,680.00
512	Adjust Existing 30"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 874.34	\$ 500.00	\$ 437,170.00
513	Adjust Existing 24"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 856.68	\$ 1,000.00	\$ 856,680.00
514	Adjust Existing 30"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 874.34	\$ 500.00	\$ 437,170.00
515	Reconstruct Existing Cleanout to the finished grade specified (regardless of height adjustment), complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,176.95	\$ 250.00	\$ 544,237.50
516	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,138.55	\$ 2,000.00	\$ 4,277,100.00
517	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,597.33	\$ 1,000.00	\$ 2,597,330.00
518	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,177.19	\$ 500.00	\$ 588,595.00
519	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,377.41	\$ 500.00	\$ 688,705.00
520	Provide Bench Rehabilitation for a 4 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,074.45	\$ 500.00	\$ 3,037,225.00
521	Provide Bench Rehabilitation for a 5 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,427.78	\$ 500.00	\$ 3,213,890.00
522	Provide Pot-holing Services for PCRWRD, as requested.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 137.15	\$ 2,000.00	\$ 274,300.00
523	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 35.17	\$ 500.00	\$ 17,585.00
524	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 38.35	\$ 1,000.00	\$ 38,350.00
525	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 39.50	\$ 2,000.00	\$ 79,000.00
526	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 83.87	\$ 500.00	\$ 41,935.00
527	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 87.05	\$ 1,000.00	\$ 87,050.00
528	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 88.20	\$ 2,000.00	\$ 176,400.00
529	Concrete Sidewalk Removal and Replacement, per Pima County/City of Tucson Standard Specifications and Dtls. 200 and 203, complete.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,094.84	\$ 1,000.00	\$ 1,094,840.00
530	PCCP Concrete Removal and Replacement 4" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,016.55	\$ 150.00	\$ 152,482.50
531	PCCP Concrete Removal and Replacement 6" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 869.06	\$ 200.00	\$ 173,812.00
532	PCCP Concrete Removal and Replacement 8" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 801.86	\$ 200.00	\$ 160,372.00
533	Concrete Curb Removal and Replacement, Per Pima County/City of Tucson Standard Specifications and Details	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 900.86	\$ 2,000.00	\$ 1,801,720.00
534	1-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 290.72	\$ 250.00	\$ 72,680.00
535	2-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 290.72	\$ 250.00	\$ 72,680.00
536	Porta Potties, per week	Each	Group 9	Base Bid	Standard	Price Book	\$ 141.33	\$ 200.00	\$ 28,266.00
537	Porta Potties, per day	Each	Group 9	Base Bid	Standard	Price Book	\$ 117.78	\$ 200.00	\$ 23,556.00
538	Grouting of Cavities. Installed in place. Per PCRWRD Specifications.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 509.68	\$ 500.00	\$ 254,840.00
539	CCTV of line 6"to 10"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.64	\$50,000.00	\$ 132,000.00
540	CCTV of line 12"to 15"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.64	\$50,000.00	\$ 132,000.00
541	CCTV of line 18"and larger	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.22	\$50,000.00	\$ 161,000.00
542	Sewer cleaning of lines 6"to 10"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.44	\$50,000.00	\$ 172,000.00
543	Sewer cleaning of DIP lines 6"to 10"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 40.04	\$ 1,000.00	\$ 40,040.00
544	Sewer cleaning of lines 12"to 15"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 4.14	\$50,000.00	\$ 207,000.00
545	Sewer cleaning of DIP lines 12"to 15"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 47.69	\$ 1,000.00	\$ 47,690.00

546	Sewer cleaning of lines 18" and larger with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 9.21	\$ 50,000.00	\$ 460,500.00
547	Sewer cleaning of DIP lines 18" and larger with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 60.97	\$ 100.00	\$ 6,097.00
548	Provide As-Built documents, in accordance with the plans and specifications, complete.	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,766.65	\$ 100.00	\$ 176,665.00
549	Provide construction staking, in accordance with the plans and specifications, complete.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 5.89	\$ 50,000.00	\$ 294,500.00
550	Asbestos Cement Pipe (ACP) Removal and Proper Disposal	Ton	Group 9	Base Bid	Standard	Price Book	\$ 3,290.46	\$ 10.00	\$ 32,904.60
551	Remove and dispose security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 17.07	\$ 200.00	\$ 3,414.00
552	Install new security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 52.40	\$ 200.00	\$ 10,480.00
553	Remove and dispose security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 16.47	\$ 500.00	\$ 8,235.00
554	Install new security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 37.68	\$ 500.00	\$ 18,840.00
555	Remove and dispose existing 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 527.98	\$ 10.00	\$ 5,279.80
556	Install new 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,670.39	\$ 10.00	\$ 16,703.90
557	Remove and replace 6' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 42.31	\$ 1,500.00	\$ 63,465.00
558	Remove and replace 8' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 67.01	\$ 1,000.00	\$ 67,010.00
559	Archaeological Monitoring	Hour	Group 9	Base Bid	Standard	Price Book	\$ 189.65	\$ 500.00	\$ 94,825.00
560	Hydroseeding	Acre	Group 9	Base Bid	Standard	Price Book	\$ 4,527.89	\$ 10.00	\$ 45,278.90
561	Shop/Engineering Drawings	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 4,863.65	\$ 100.00	\$ 486,365.00
562	Rip-Rap (D50 6") - Delivered and Installed.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 62.48	\$ 2,000.00	\$ 124,960.00
563	Install Survey Monument per Standard Detail WWM 507.	Each	Group 9	Base Bid	Standard	Price Book	\$ 287.59	\$ 25.00	\$ 7,189.75
564	Provide miscellaneous services, construction materials and installation by Force Account, in accordance with the plans and specifications, complete.		Group 10	Allowance	Cost Allowance	Price Book			\$ 500,000.00

Pima County Procurement Department

Step 2, RFP-2600000677 Job Order Contract: Wastewater Conveyance System and Related Facilities Repairs, Rehabilitation & Construction Services



Exhibit E – Price Proposal (21 pages)

RFP-2600000677

Job Order Contract: Wastewater Conveyance System and Related Facilities Repair, Rehabilitation & Construction Services

The undersigned Bidder hereby acknowledges receipt of the complete Bid Documents for this project and has examined and is familiar with all documents, including those incorporated by reference, which are applicable to this project. By executing this Bid Schedule, Bidder hereby proposes and agrees to furnish any and all required labor, material, construction equipment, transportation, and services for the project in strict conformity with the Bid Documents set in this Attachment A. Failure to sign Page 1 of this Bid Schedule shall result in Bid being deemed nonresponsive.

CONTRACTOR SHALL SIGNIFY RECEIPT OF AMENDMENT(S) (IF ANY). Any bid that fails to acknowledge any amendment that directly affects cost, scope or schedule will be rejected as nonresponsive.

Addenda #	By (Bidder Initials)	Date	Addenda #	By (Bidder Initials)	Date
1	RM	5/5/26			
2	RM	5/12/26			

PROPOSAL MUST BE SIGNED BY AN AUTHORIZED CONTRACTOR REPRESENTATIVE

CONTRACTOR HEREBY CERTIFIES that it has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

SIGNATURE: [Signature] DATE: 5/19/26

PRINTED NAME & TITLE: Ryan Montijo - Co-owner

LEGAL COMPANY NAME: ELISON - MILLS CONTRACTING LLC

Price Book - Ellison-Mills Contracting, LLC (10 Pages)

Code	Description	UOM	Group Id	Group Name	Group Type	Project Name	Price	Quantity	Total Cost
1	6"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 76.00	\$ 5,000.00	\$ 380,000.00
2	6"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 76.00	\$ 5,000.00	\$ 380,000.00
3	6"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 76.00	\$ 1,000.00	\$ 76,000.00
4	6"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 86.00	\$ 100.00	\$ 8,600.00
5	8"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 70.50	\$ 5,000.00	\$ 352,500.00
6	8"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 70.50	\$ 5,000.00	\$ 352,500.00
7	8"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 70.50	\$ 1,000.00	\$ 70,500.00
8	8"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 75.50	\$ 100.00	\$ 7,550.00
9	10"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 77.50	\$ 5,000.00	\$ 387,500.00
10	10"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 77.50	\$ 5,000.00	\$ 387,500.00
11	10"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 77.50	\$ 1,000.00	\$ 77,500.00
12	10"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 82.50	\$ 100.00	\$ 8,250.00
13	12"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 82.00	\$ 2,000.00	\$ 164,000.00
14	12"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 82.00	\$ 2,000.00	\$ 164,000.00
15	12"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 87.00	\$ 2,000.00	\$ 174,000.00
16	12"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 92.00	\$ 200.00	\$ 18,400.00
17	15"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 97.00	\$ 2,000.00	\$ 194,000.00
18	15"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 97.00	\$ 2,000.00	\$ 194,000.00
19	15"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 103.00	\$ 2,000.00	\$ 206,000.00
20	15"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 109.00	\$ 200.00	\$ 21,800.00
21	18"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 116.00	\$ 1,000.00	\$ 116,000.00
22	18"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 116.00	\$ 1,000.00	\$ 116,000.00
23	18"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 116.00	\$ 1,000.00	\$ 116,000.00
24	18"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 128.00	\$ 200.00	\$ 25,600.00
25	21"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 154.00	\$ 1,000.00	\$ 154,000.00
26	21"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 154.00	\$ 1,000.00	\$ 154,000.00
27	21"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 154.00	\$ 1,000.00	\$ 154,000.00
28	21"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 168.00	\$ 200.00	\$ 33,600.00
29	24"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 182.00	\$ 1,000.00	\$ 182,000.00
30	24"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 182.00	\$ 1,000.00	\$ 182,000.00
31	24"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 182.00	\$ 1,000.00	\$ 182,000.00
32	24"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 192.00	\$ 200.00	\$ 38,400.00
33	27"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 199.00	\$ 1,000.00	\$ 199,000.00
34	27"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 199.00	\$ 1,000.00	\$ 199,000.00
35	27"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 199.00	\$ 1,000.00	\$ 199,000.00
36	27"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 210.00	\$ 500.00	\$ 105,000.00
37	30"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 229.00	\$ 1,000.00	\$ 229,000.00
38	30"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 229.00	\$ 1,000.00	\$ 229,000.00
39	30"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 229.00	\$ 1,000.00	\$ 229,000.00
40	30"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 239.00	\$ 500.00	\$ 119,500.00
41	33"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 238.00	\$ 1,000.00	\$ 238,000.00
42	33"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 238.00	\$ 1,000.00	\$ 238,000.00
43	33"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 238.00	\$ 1,000.00	\$ 238,000.00
44	33"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 248.00	\$ 500.00	\$ 124,000.00
45	36"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 271.00	\$ 1,000.00	\$ 271,000.00
46	36"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 271.00	\$ 1,000.00	\$ 271,000.00
47	36"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 271.00	\$ 1,000.00	\$ 271,000.00
48	36"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 281.00	\$ 500.00	\$ 140,500.00
49	39"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 287.00	\$ 1,000.00	\$ 287,000.00
50	39"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 287.00	\$ 1,000.00	\$ 287,000.00
51	39"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 287.00	\$ 1,000.00	\$ 287,000.00
52	39"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 303.00	\$ 200.00	\$ 60,600.00
53	42"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 309.00	\$ 1,000.00	\$ 309,000.00
54	42"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 309.00	\$ 1,000.00	\$ 309,000.00
55	42"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 309.00	\$ 1,000.00	\$ 309,000.00
56	42"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 326.00	\$ 200.00	\$ 65,200.00
57	6"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 83.00	\$ 5,000.00	\$ 415,000.00
58	6"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 83.00	\$ 5,000.00	\$ 415,000.00
59	6"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 83.00	\$ 1,000.00	\$ 83,000.00
60	6"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 83.00	\$ 100.00	\$ 8,300.00
61	8"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.00	\$ 5,000.00	\$ 350,000.00
62	8"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.00	\$ 5,000.00	\$ 350,000.00
63	8"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 70.00	\$ 1,000.00	\$ 70,000.00
64	8"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 75.00	\$ 100.00	\$ 7,500.00
65	10"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.00	\$ 2,000.00	\$ 158,000.00
66	10"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.00	\$ 2,000.00	\$ 158,000.00
67	10"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.00	\$ 1,000.00	\$ 79,000.00
68	10"Host Pipe, 20' Cover Felt CIPP Liner, 6.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 79.00	\$ 100.00	\$ 7,900.00
69	12"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 86.00	\$ 2,000.00	\$ 172,000.00
70	12"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 86.00	\$ 2,000.00	\$ 172,000.00
71	12"Host Pipe, 15' Cover Felt CIPP Liner, 7.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 88.00	\$ 2,000.00	\$ 176,000.00
72	12"Host Pipe, 20' Cover Felt CIPP Liner, 7.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 88.00	\$ 200.00	\$ 17,600.00
73	15"Host Pipe, 5' Cover Felt CIPP Liner, 6.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 111.00	\$ 2,000.00	\$ 222,000.00
74	15"Host Pipe, 10' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 113.00	\$ 2,000.00	\$ 226,000.00
75	15"Host Pipe, 15' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 117.00	\$ 2,000.00	\$ 234,000.00
76	15"Host Pipe, 20' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 117.00	\$ 200.00	\$ 23,400.00
77	18"Host Pipe, 5' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 130.00	\$ 1,000.00	\$ 130,000.00
78	18"Host Pipe, 10' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 135.00	\$ 1,000.00	\$ 135,000.00
79	18"Host Pipe, 15' Cover Felt CIPP Liner, 10.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 147.00	\$ 1,000.00	\$ 147,000.00
80	18"Host Pipe, 20' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 147.00	\$ 200.00	\$ 29,400.00
81	21"Host Pipe, 5' Cover Felt CIPP Liner, 8.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 194.00	\$ 1,000.00	\$ 194,000.00
82	21"Host Pipe, 10' Cover Felt CIPP Liner, 10.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 203.00	\$ 1,000.00	\$ 203,000.00

83	21"Host Pipe, 15' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 210.00	\$ 1,000.00	\$ 210,000.00
84	21"Host Pipe, 20' Cover Felt CIPP Liner, 14.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 217.00	\$ 200.00	\$ 43,400.00
85	24"Host Pipe, 5' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 228.00	\$ 1,000.00	\$ 228,000.00
86	24"Host Pipe, 10' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 234.00	\$ 1,000.00	\$ 234,000.00
87	24"Host Pipe, 15' Cover Felt CIPP Liner, 14.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 246.00	\$ 1,000.00	\$ 246,000.00
88	24"Host Pipe, 20' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 252.00	\$ 200.00	\$ 50,400.00
89	27"Host Pipe, 5' Cover Felt CIPP Liner, 11.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 280.00	\$ 1,000.00	\$ 280,000.00
90	27"Host Pipe, 10' Cover Felt CIPP Liner, 13.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 287.00	\$ 1,000.00	\$ 287,000.00
91	27"Host Pipe, 15' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 302.00	\$ 1,000.00	\$ 302,000.00
92	27"Host Pipe, 20' Cover Felt CIPP Liner, 18.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 316.00	\$ 500.00	\$ 158,000.00
93	30"Host Pipe, 5' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 325.00	\$ 1,000.00	\$ 325,000.00
94	30"Host Pipe, 10' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 332.00	\$ 1,000.00	\$ 332,000.00
95	30"Host Pipe, 15' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 348.00	\$ 1,000.00	\$ 348,000.00
96	30"Host Pipe, 20' Cover Felt CIPP Liner, 20.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 363.00	\$ 500.00	\$ 181,500.00
97	33"Host Pipe, 5' Cover Felt CIPP Liner, 13.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 418.00	\$ 1,000.00	\$ 418,000.00
98	33"Host Pipe, 10' Cover Felt CIPP Liner, 16.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 426.00	\$ 1,000.00	\$ 426,000.00
99	33"Host Pipe, 15' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 454.00	\$ 1,000.00	\$ 454,000.00
100	33"Host Pipe, 20' Cover Felt CIPP Liner, 22.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 462.00	\$ 500.00	\$ 231,000.00
101	36"Host Pipe, 5' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 448.00	\$ 1,000.00	\$ 448,000.00
102	36"Host Pipe, 10' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 456.00	\$ 1,000.00	\$ 456,000.00
103	36"Host Pipe, 15' Cover Felt CIPP Liner, 21.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 485.00	\$ 1,000.00	\$ 485,000.00
104	36"Host Pipe, 20' Cover Felt CIPP Liner, 23.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 508.00	\$ 500.00	\$ 254,000.00
105	39"Host Pipe, 5' Cover Felt CIPP Liner, 15.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 561.00	\$ 1,000.00	\$ 561,000.00
106	39"Host Pipe, 10' Cover Felt CIPP Liner, 19.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 575.00	\$ 1,000.00	\$ 575,000.00
107	39"Host Pipe, 15' Cover Felt CIPP Liner, 22.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 606.00	\$ 1,000.00	\$ 606,000.00
108	39"Host Pipe, 20' Cover Felt CIPP Liner, 25.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 627.00	\$ 200.00	\$ 125,400.00
109	42"Host Pipe, 5' Cover Felt CIPP Liner, 17.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 617.00	\$ 1,000.00	\$ 617,000.00
110	42"Host Pipe, 10' Cover Felt CIPP Liner, 20.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 630.00	\$ 1,000.00	\$ 630,000.00
111	42"Host Pipe, 15' Cover Felt CIPP Liner, 24.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 663.00	\$ 1,000.00	\$ 663,000.00
112	42"Host Pipe, 20' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 681.00	\$ 200.00	\$ 136,200.00
113	48"Host Pipe, 5' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 696.00	\$ 1,000.00	\$ 696,000.00
114	48"Host Pipe, 10' Cover Felt CIPP Liner, 23.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 723.00	\$ 1,000.00	\$ 723,000.00
115	48"Host Pipe, 15' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 753.00	\$ 1,000.00	\$ 753,000.00
116	48"Host Pipe, 20' Cover Felt CIPP Liner, 32 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 789.00	\$ 100.00	\$ 78,900.00
117	54"Host Pipe, 5' Cover Felt CIPP Liner, 21.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 728.00	\$ 1,000.00	\$ 728,000.00
118	54"Host Pipe, 10' Cover Felt CIPP Liner, 26.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 768.00	\$ 1,000.00	\$ 768,000.00
119	54"Host Pipe, 15' Cover Felt CIPP Liner, 31.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 820.00	\$ 1,000.00	\$ 820,000.00
120	54"Host Pipe, 20' Cover Felt CIPP Liner, 36.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 859.00	\$ 100.00	\$ 85,900.00
121	60"Host Pipe, 5' Cover Felt CIPP Liner, 24.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,017.00	\$ 1,000.00	\$ 1,017,000.00
122	60"Host Pipe, 10' Cover Felt CIPP Liner, 29.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,060.00	\$ 1,000.00	\$ 1,060,000.00
123	60"Host Pipe, 15' Cover Felt CIPP Liner, 35.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,117.00	\$ 1,000.00	\$ 1,117,000.00
124	60"Host Pipe, 20' Cover Felt CIPP Liner, 39.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,159.00	\$ 100.00	\$ 115,900.00
125	66"Host Pipe, 5' Cover Felt CIPP Liner, 26.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,058.00	\$ 1,000.00	\$ 1,058,000.00
126	66"Host Pipe, 10' Cover Felt CIPP Liner, 32.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,105.00	\$ 1,000.00	\$ 1,105,000.00
127	66"Host Pipe, 15' Cover Felt CIPP Liner, 38.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,169.00	\$ 1,000.00	\$ 1,169,000.00
128	66"Host Pipe, 20' Cover Felt CIPP Liner, 43.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,232.00	\$ 100.00	\$ 123,200.00
129	72"Host Pipe, 5' Cover Felt CIPP Liner, 28.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,180.00	\$ 1,000.00	\$ 3,180,000.00
130	72"Host Pipe, 10' Cover Felt CIPP Liner, 35.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,250.00	\$ 1,000.00	\$ 3,250,000.00
131	72"Host Pipe, 15' Cover Felt CIPP Liner, 42.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,334.00	\$ 1,000.00	\$ 3,334,000.00
132	72"Host Pipe, 20' Cover Felt CIPP Liner, 48.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,403.00	\$ 100.00	\$ 340,300.00
133	78"Host Pipe, 5' Cover Felt CIPP Liner, 31.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,251.00	\$ 1,000.00	\$ 3,251,000.00
134	78"Host Pipe, 10' Cover Felt CIPP Liner, 38.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,344.00	\$ 1,000.00	\$ 3,344,000.00
135	78"Host Pipe, 15' Cover Felt CIPP Liner, 46.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,428.00	\$ 1,000.00	\$ 3,428,000.00
136	78"Host Pipe, 20' Cover Felt CIPP Liner, 52.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,511.00	\$ 100.00	\$ 351,100.00
137	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 73.00	\$ 5,000.00	\$ 365,000.00
138	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 83.00	\$ 5,000.00	\$ 415,000.00
139	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 93.00	\$ 5,000.00	\$ 465,000.00
140	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 143.00	\$ 500.00	\$ 71,500.00
141	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 79.00	\$ 5,000.00	\$ 395,000.00
142	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 89.00	\$ 5,000.00	\$ 445,000.00
143	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 99.00	\$ 5,000.00	\$ 495,000.00
144	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 149.00	\$ 5,000.00	\$ 745,000.00
145	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 86.00	\$ 5,000.00	\$ 430,000.00
146	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 96.00	\$ 5,000.00	\$ 480,000.00
147	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 106.00	\$ 5,000.00	\$ 530,000.00
148	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 156.00	\$ 5,000.00	\$ 780,000.00
149	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 96.00	\$ 5,000.00	\$ 480,000.00
150	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 106.00	\$ 5,000.00	\$ 530,000.00
151	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 116.00	\$ 5,000.00	\$ 580,000.00
152	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 165.00	\$ 5,000.00	\$ 825,000.00
153	15"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 109.00	\$ 2,000.00	\$ 218,000.00
154	15"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 119.00	\$ 2,000.00	\$ 238,000.00
155	15"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 129.00	\$ 2,000.00	\$ 258,000.00
156	15"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 179.00	\$ 2,000.00	\$ 358,000.00
157	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 124.00	\$ 1,000.00	\$ 124,000.00
158	18"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 133.00	\$ 1,000.00	\$ 133,000.00
159	18"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 143.00	\$ 1,000.00	\$ 143,000.00
160	18"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 193.00	\$ 1,000.00	\$ 193,000.00
161	21"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 148.00	\$ 1,000.00	\$ 148,000.00
162	21"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 158.00	\$ 1,000.00	\$ 158,000.00
163	21"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 168.00	\$ 1,000.00	\$ 168,000.00
164	21"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 218.00	\$ 1,000.00	\$ 218,000.00
165	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 170.00	\$ 1,000.00	\$ 170,000.00

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332	78"Host Pipe, >15.1' Cover Open Cut Pipe Repair, RCP Repair	Linear Foot/Feet	Group 6	Base Bid	Standard	Price Book	\$ 965.00	\$ 100.00	\$ 96,500.00
333	20"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 245.00	\$ 100.00	\$ 24,500.00
334	20"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 253.00	\$ 100.00	\$ 25,300.00
335	20"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 365.00	\$ 100.00	\$ 36,500.00
336	20"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 393.00	\$ 100.00	\$ 39,300.00
337	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 263.00	\$ 100.00	\$ 26,300.00
338	24"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 263.00	\$ 100.00	\$ 26,300.00
339	24"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 382.00	\$ 100.00	\$ 38,200.00
340	24"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 417.00	\$ 100.00	\$ 41,700.00
341	28"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 399.00	\$ 100.00	\$ 39,900.00
342	28"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 399.00	\$ 100.00	\$ 39,900.00
343	28"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 518.00	\$ 100.00	\$ 51,800.00
344	28"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 553.00	\$ 100.00	\$ 55,300.00
345	32"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 418.00	\$ 100.00	\$ 41,800.00
346	32"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 418.00	\$ 100.00	\$ 41,800.00
347	32"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 536.00	\$ 100.00	\$ 53,600.00
348	32"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 572.00	\$ 100.00	\$ 57,200.00
349	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 341.00	\$ 50.00	\$ 17,050.00
350	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 341.00	\$ 50.00	\$ 17,050.00
351	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 369.00	\$ 50.00	\$ 18,450.00
352	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 428.00	\$ 50.00	\$ 21,400.00
353	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 381.00	\$ 50.00	\$ 19,050.00
354	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 381.00	\$ 50.00	\$ 19,050.00
355	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 409.00	\$ 50.00	\$ 20,450.00
356	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 467.00	\$ 50.00	\$ 23,350.00
357	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 426.00	\$ 50.00	\$ 21,300.00
358	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 426.00	\$ 50.00	\$ 21,300.00
359	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 454.00	\$ 50.00	\$ 22,700.00
360	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, Steel Casting Repair	Linear Foot/Feet	Group 7	Base Bid	Standard	Price Book	\$ 513.00	\$ 50.00	\$ 25,650.00
361	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 77.00	\$ 1,000.00	\$ 77,000.00
362	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 89.00	\$ 1,000.00	\$ 89,000.00
363	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 104.00	\$ 1,000.00	\$ 104,000.00
364	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS PVC Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 133.00	\$ 1,000.00	\$ 133,000.00
365	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 108.00	\$ 100.00	\$ 10,800.00
366	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 239.00	\$ 100.00	\$ 23,900.00
367	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 252.00	\$ 100.00	\$ 25,200.00
368	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 313.00	\$ 100.00	\$ 31,300.00
369	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 140.00	\$ 100.00	\$ 14,000.00
370	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 239.00	\$ 100.00	\$ 23,900.00
371	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 284.00	\$ 100.00	\$ 28,400.00
372	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 361.00	\$ 100.00	\$ 36,100.00
373	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 105.00	\$ 100.00	\$ 10,500.00
374	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 251.00	\$ 100.00	\$ 25,100.00
375	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 301.00	\$ 100.00	\$ 30,100.00
376	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 362.00	\$ 100.00	\$ 36,200.00
377	6"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 610.00	\$ 200.00	\$ 122,000.00
378	8"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 730.00	\$ 200.00	\$ 146,000.00
379	10"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 950.00	\$ 20.00	\$ 19,000.00
380	12"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,120.00	\$ 20.00	\$ 22,400.00
381	15"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,086.75	\$ 12.00	\$ 25,041.00
382	18"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,850.00	\$ 10.00	\$ 28,500.00
383	21"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,000.00	\$ 6.00	\$ 24,000.00
384	24"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,200.00	\$ 6.00	\$ 25,200.00
385	27"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,200.00	\$ 6.00	\$ 25,200.00
386	30"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,500.00	\$ 6.00	\$ 27,000.00
387	33"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,500.00	\$ 6.00	\$ 27,000.00
388	36"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,500.00	\$ 6.00	\$ 27,000.00
389	39"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,000.00	\$ 6.00	\$ 30,000.00
390	42"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,000.00	\$ 6.00	\$ 30,000.00
391	48"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,500.00	\$ 6.00	\$ 33,000.00
392	HCS Reinstatement for CIPP, Mechanized robot	Each	Group 9	Base Bid	Standard	Price Book	\$ 785.00	\$ 1,000.00	\$ 785,000.00
393	HCS Reinstatement for CIPP, Open cut	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,300.00	\$ 10.00	\$ 13,000.00
394	HCS Reinstatement for Open cut repairs or replacements	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,300.00	\$ 250.00	\$ 325,000.00
395	CIPP Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$10,600.00	\$ 100.00	\$1,060,000.00
396	CIPP Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$12,100.00	\$ 100.00	\$1,210,000.00
397	CIPP Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$12,400.00	\$ 25.00	\$ 310,000.00
398	CIPP Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$14,500.00	\$ 25.00	\$ 362,500.00
399	CIPP Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$15,780.00	\$ 25.00	\$ 394,500.00
400	Point Repair Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,800.00	\$ 20.00	\$ 196,000.00
401	Point Repair Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$11,750.00	\$ 50.00	\$ 587,500.00
402	Point Repair Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$13,060.00	\$ 50.00	\$ 653,000.00
403	Point Repair Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$15,355.00	\$ 20.00	\$ 307,100.00
404	Point Repair Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$22,626.00	\$ 20.00	\$ 452,520.00
405	Manhole-Clean Out Adjustment Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,072.00	\$ 1,000.00	\$1,072,000.00
406	Manhole-Clean Out Reconstruction Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,784.00	\$ 1,000.00	\$1,784,000.00
407	New Manhole Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,290.00	\$ 1,000.00	\$2,290,000.00
408	Flow Management Mobilization of 4" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,900.00	\$ 200.00	\$ 580,000.00
409	Flow Management Mobilization of 6" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,900.00	\$ 50.00	\$ 145,000.00
410	Flow Management Mobilization of 8" Pumps, Approximately ___gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,500.00	\$ 25.00	\$ 112,500.00

411	Flow Management Mobilization of 12" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,800.00	\$ 5.00	\$ 29,000.00
412	Flow Management Mobilization of 14" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 5,800.00	\$ 5.00	\$ 29,000.00
413	Flow Management with a 4" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 302.00	\$ 500.00	\$ 151,000.00
414	Flow Management with a 4" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,249.00	\$ 200.00	\$ 449,800.00
415	Flow Management with a 4" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 12,210.00	\$ 200.00	\$ 2,442,000.00
416	Flow Management with a 6" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 332.00	\$ 500.00	\$ 166,000.00
417	Flow Management with a 6" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 2,400.00	\$ 100.00	\$ 240,000.00
418	Flow Management with a 6" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 12,573.00	\$ 100.00	\$ 1,257,300.00
419	Flow Management with a 8" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 393.00	\$ 500.00	\$ 196,500.00
420	Flow Management with a 8" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 3,861.00	\$ 50.00	\$ 193,050.00
421	Flow Management with a 8" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 15,466.00	\$ 50.00	\$ 773,300.00
422	Flow Management with a 12" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 595.00	\$ 500.00	\$ 297,500.00
423	Flow Management with a 12" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 4,465.00	\$ 25.00	\$ 111,625.00
424	Flow Management with a 12" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 20,816.00	\$ 25.00	\$ 520,400.00
425	Flow Management with a 16" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 594.00	\$ 500.00	\$ 297,000.00
426	Flow Management with a 16" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 6,035.00	\$ 25.00	\$ 150,875.00
427	Flow Management with a 16" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$ 23,576.00	\$ 25.00	\$ 589,400.00
428	Vactor Truck Monitoring for Flow Management	Hour	Group 9	Base Bid	Standard	Price Book	\$ 315.00	\$ 200.00	\$ 63,000.00
429	Flow Management 4" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 8.50	\$ 50,000.00	\$ 425,000.00
430	Flow Management 6" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 10.30	\$ 50,000.00	\$ 515,000.00
431	Flow Management 8" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 14.00	\$ 30,000.00	\$ 420,000.00
432	Flow Management 12" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 15.00	\$ 30,000.00	\$ 450,000.00
433	Flow Management 16" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 19.00	\$ 20,000.00	\$ 380,000.00
434	Flow Management 4" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 5.00	\$ 20,000.00	\$ 100,000.00
435	Flow Management 6" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 6.00	\$ 20,000.00	\$ 120,000.00
436	Flow Management 8" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 14.00	\$ 20,000.00	\$ 280,000.00
437	Utility Trench Pavement Patch TYPE 1, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 182.00	\$ 500.00	\$ 91,000.00
438	Utility Trench Pavement Patch TYPE 2, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 182.00	\$ 100.00	\$ 18,200.00
439	Utility Trench Pavement Patch TYPE 3, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 238.00	\$ 100.00	\$ 23,800.00
440	Chip Seal coat, in accordance with Section 404 of PC/COT Std Specs and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 111.00	\$ 100.00	\$ 11,100.00
441	Asphaltic Concrete Finish Course (Mix #3), 2-inch thick layer incremental adjustment to the thickness stated in bid items 45, 46, 47, per Section 406 of PC/COT Std Specs, and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 95.00	\$ 300.00	\$ 28,500.00
442	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾) complete. Daily rate	Day	Group 9	Base Bid	Standard	Price Book	\$ 178.00	\$ 500.00	\$ 89,000.00
443	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1"¾) complete. Weekly rate	Week	Group 9	Base Bid	Standard	Price Book	\$ 278.00	\$ 500.00	\$ 139,000.00
444	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,000.00	\$ 25.00	\$ 100,000.00
445	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,075.00	\$ 25.00	\$ 226,875.00
446	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,000.00	\$ 25.00	\$ 150,000.00
447	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,975.00	\$ 25.00	\$ 249,375.00
448	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,000.00	\$ 25.00	\$ 175,000.00
449	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,220.00	\$ 25.00	\$ 230,500.00
450	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,500.00	\$ 25.00	\$ 187,500.00
451	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 12,000.00	\$ 25.00	\$ 300,000.00
452	Furnish and install New 4 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 7,500.00	\$ 25.00	\$ 187,500.00
453	Furnish and install New 4 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,220.00	\$ 25.00	\$ 230,500.00
454	Furnish and install New 5 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,500.00	\$ 25.00	\$ 237,500.00
455	Furnish and install New 5 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 12,000.00	\$ 25.00	\$ 300,000.00

456	Furnish and install New 30" Diameter Reinforced Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,409.00	\$ 100.00	\$ 140,900.00
457	Furnish and install New 30" Diameter Fiberglass Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,699.00	\$ 100.00	\$ 269,900.00
458	Furnish and install New 30" Diameter Polymer Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,005.00	\$ 100.00	\$ 200,500.00
459	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 750.00	\$ 100.00	\$ 75,000.00
460	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 895.00	\$ 100.00	\$ 89,500.00
461	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,010.00	\$ 100.00	\$ 101,000.00
462	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,160.00	\$ 100.00	\$ 116,000.00
463	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,275.00	\$ 100.00	\$ 127,500.00
464	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,150.00	\$ 100.00	\$ 115,000.00
465	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,154.00	\$ 100.00	\$ 115,400.00
466	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,232.00	\$ 100.00	\$ 123,200.00
467	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,715.00	\$ 100.00	\$ 171,500.00
468	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,865.00	\$ 100.00	\$ 186,500.00
469	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,980.00	\$ 100.00	\$ 198,000.00
470	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,010.00	\$ 100.00	\$ 201,000.00
471	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,307.00	\$ 100.00	\$ 230,700.00
472	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,903.00	\$ 100.00	\$ 190,300.00
473	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,720.00	\$ 100.00	\$ 172,000.00
474	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,598.00	\$ 100.00	\$ 159,800.00
475	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 930.00	\$ 100.00	\$ 93,000.00

476	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,080.00	\$ 100.00	\$ 108,000.00
477	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,100.00	\$ 100.00	\$ 110,000.00
478	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,200.00	\$ 100.00	\$ 120,000.00
479	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,731.00	\$ 100.00	\$ 173,100.00
480	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,558.00	\$ 100.00	\$ 155,800.00
481	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,474.00	\$ 100.00	\$ 147,400.00
482	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,429.00	\$ 100.00	\$ 142,900.00
483	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,080.00	\$ 100.00	\$ 208,000.00
484	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,230.00	\$ 100.00	\$ 223,000.00
485	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,340.00	\$ 100.00	\$ 234,000.00
486	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,340.00	\$ 100.00	\$ 234,000.00
487	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,740.00	\$ 100.00	\$ 374,000.00
488	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,699.00	\$ 100.00	\$ 269,900.00
489	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,245.00	\$ 100.00	\$ 224,500.00
490	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,019.00	\$ 100.00	\$ 201,900.00
491	Rehabilitate and install coating on existing manhole base for 4 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F" , and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,545.00	\$ 100.00	\$ 454,500.00
492	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,545.00	\$ 100.00	\$ 454,500.00
493	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,545.00	\$ 25.00	\$ 113,625.00
494	Provide protective coating on existing manhole or structures walls, ceiling, and riser sections, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 74.00	\$50,000.00	\$ 3,700,000.00
495	Provide protective coating on new or existing manhole ring and cover, in accordance with plans and specifications, complete.	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 125.00	\$ 2,000.00	\$ 250,000.00
496	Furnish and install a New 14" cleanout frame and cover, as per Sub Appendix N and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 900.00	\$ 100.00	\$ 90,000.00
497	Furnish and install a New 24"manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,180.00	\$ 250.00	\$ 295,000.00
498	Furnish and install a New 24"Composite manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,202.00	\$ 100.00	\$ 120,200.00
499	Furnish and install a New 30"manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,220.00	\$ 50.00	\$ 61,000.00
500	Furnish and install a New 30"Composite manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,396.00	\$ 50.00	\$ 69,800.00

501	Furnish and install a New 24"Waterproof manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,280.00	\$ 100.00	\$ 128,000.00
502	Furnish and install a New 24"Waterproof composite manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,302.00	\$ 50.00	\$ 65,100.00
503	Furnish and install a New 30"Waterproof manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,320.00	\$ 100.00	\$ 132,000.00
504	Furnish and install a New 30"Waterproof composite manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,496.00	\$ 50.00	\$ 74,800.00
505	Furnish and install a New 24"Bolted Waterproof manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,280.00	\$ 50.00	\$ 64,000.00
506	Furnish and install a New 24"Bolted Waterproof composite manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,302.00	\$ 25.00	\$ 32,550.00
507	Furnish and install a New 30"Bolted Waterproof manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,320.00	\$ 50.00	\$ 66,000.00
508	Furnish and install a New 30"Bolted Waterproof composite manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,496.00	\$ 25.00	\$ 37,400.00
509	Provide concrete collar for manhole per RWRD Std Dtl 211, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,200.00	\$ 500.00	\$ 600,000.00
510	Provide concrete collar for manhole per RWRD Std Dtl 212, in accordance with plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,400.00	\$ 300.00	\$ 420,000.00
511	Adjust Existing 24"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 850.00	\$ 1,000.00	\$ 850,000.00
512	Adjust Existing 30"Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 850.00	\$ 500.00	\$ 425,000.00
513	Adjust Existing 24"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 850.00	\$ 1,000.00	\$ 850,000.00
514	Adjust Existing 30"Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 850.00	\$ 500.00	\$ 425,000.00
515	Reconstruct Existing Cleanout to the finished grade specified (regardless of height adjustment), complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,200.00	\$ 250.00	\$ 300,000.00
516	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,300.00	\$ 2,000.00	\$ 2,600,000.00
517	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,400.00	\$ 1,000.00	\$ 1,400,000.00
518	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,300.00	\$ 500.00	\$ 650,000.00
519	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,400.00	\$ 500.00	\$ 700,000.00
520	Provide Bench Rehabilitation for a 4 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,300.00	\$ 500.00	\$ 1,150,000.00
521	Provide Bench Rehabilitation for a 5 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,600.00	\$ 500.00	\$ 1,300,000.00
522	Provide Pot-holing Services for PCRWRD, as requested.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 150.00	\$ 2,000.00	\$ 300,000.00
523	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 36.00	\$ 500.00	\$ 18,000.00
524	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 36.00	\$ 1,000.00	\$ 36,000.00
525	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 36.00	\$ 2,000.00	\$ 72,000.00
526	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 69.00	\$ 500.00	\$ 34,500.00
527	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 69.00	\$ 1,000.00	\$ 69,000.00
528	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 69.00	\$ 2,000.00	\$ 138,000.00
529	Concrete Sidewalk Removal and Replacement, per Pima County/City of Tucson Standard Specifications and Dtls. 200 and 203, complete.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 938.00	\$ 1,000.00	\$ 938,000.00
530	PCCP Concrete Removal and Replacement 4" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 845.00	\$ 150.00	\$ 126,750.00
531	PCCP Concrete Removal and Replacement 6" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 775.00	\$ 200.00	\$ 155,000.00
532	PCCP Concrete Removal and Replacement 8" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 740.00	\$ 200.00	\$ 148,000.00
533	Concrete Curb Removal and Replacement, Per Pima County/City of Tucson Standard Specifications and Details	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 870.00	\$ 2,000.00	\$ 1,740,000.00
534	1-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 250.00	\$ 250.00	\$ 62,500.00
535	2-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 250.00	\$ 250.00	\$ 62,500.00
536	Porta Potties, per week	Each	Group 9	Base Bid	Standard	Price Book	\$ 200.00	\$ 200.00	\$ 40,000.00
537	Porta Potties, per day	Each	Group 9	Base Bid	Standard	Price Book	\$ 150.00	\$ 200.00	\$ 30,000.00
538	Grouting of Cavities. Installed in place. Per PCRWRD Specifications.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 395.00	\$ 500.00	\$ 197,500.00
539	CCTV of line 6"to 10"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.05	\$ 50,000.00	\$ 102,500.00
540	CCTV of line 12"to 15"	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.05	\$ 50,000.00	\$ 102,500.00
541	CCTV of line 18"and larger	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.05	\$ 50,000.00	\$ 102,500.00
542	Sewer cleaning of lines 6"to 10"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.15	\$ 50,000.00	\$ 157,500.00
543	Sewer cleaning of DIP lines 6"to 10"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 12.00	\$ 1,000.00	\$ 12,000.00
544	Sewer cleaning of lines 12"to 15"with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.75	\$ 50,000.00	\$ 187,500.00
545	Sewer cleaning of DIP lines 12"to 15"with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 18.00	\$ 1,000.00	\$ 18,000.00

546	Sewer cleaning of lines 18" and larger with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 7.85	\$ 50,000.00	\$ 392,500.00
547	Sewer cleaning of DIP lines 18" and larger with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 45.00	\$ 100.00	\$ 4,500.00
548	Provide As-Built documents, in accordance with the plans and specifications, complete.	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,800.00	\$ 100.00	\$ 180,000.00
549	Provide construction staking, in accordance with the plans and specifications, complete.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 4.50	\$ 50,000.00	\$ 225,000.00
550	Asbestos Cement Pipe (ACP) Removal and Proper Disposal	Ton	Group 9	Base Bid	Standard	Price Book	\$ 2,100.00	\$ 10.00	\$ 21,000.00
551	Remove and dispose security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 10.00	\$ 200.00	\$ 2,000.00
552	Install new security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 50.00	\$ 200.00	\$ 10,000.00
553	Remove and dispose security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 10.00	\$ 500.00	\$ 5,000.00
554	Install new security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 50.00	\$ 500.00	\$ 25,000.00
555	Remove and dispose existing 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 545.00	\$ 10.00	\$ 5,450.00
556	Install new 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,800.00	\$ 10.00	\$ 18,000.00
557	Remove and replace 6' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 54.00	\$ 1,500.00	\$ 81,000.00
558	Remove and replace 8' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 54.00	\$ 1,000.00	\$ 54,000.00
559	Archaeological Monitoring	Hour	Group 9	Base Bid	Standard	Price Book	\$ 163.00	\$ 500.00	\$ 81,500.00
560	Hydroseeding	Acre	Group 9	Base Bid	Standard	Price Book	\$ 4,595.00	\$ 10.00	\$ 45,950.00
561	Shop/Engineering Drawings	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,200.00	\$ 100.00	\$ 120,000.00
562	Rip-Rap (D50 6") - Delivered and Installed.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 45.00	\$ 2,000.00	\$ 90,000.00
563	Install Survey Monument per Standard Detail WWM 507.	Each	Group 9	Base Bid	Standard	Price Book	\$ 906.00	\$ 25.00	\$ 22,650.00
564	Provide miscellaneous services, construction materials and installation by Force Account, in accordance with the plans and specifications, complete.		Group 10	Allowance	Cost Allowance	Price Book			\$ 500,000.00

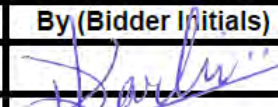
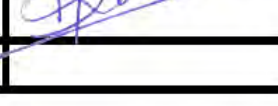
Exhibit E – Price Proposal (21 pages)

RFP-2600000677

**Job Order Contract: Wastewater Conveyance System and Related Facilities Repair,
 Rehabilitation & Construction Services**

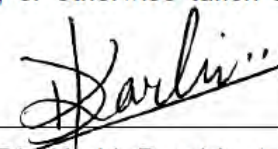
The undersigned Bidder hereby acknowledges receipt of the complete Bid Documents for this project and has examined and is familiar with all documents, including those incorporated by reference, which are applicable to this project. By executing this Bid Schedule, Bidder hereby proposes and agrees to furnish any and all required labor, material, construction equipment, transportation, and services for the project in strict conformity with the Bid Documents set in this Attachment A. Failure to sign Page 1 of this Bid Schedule shall result in Bid being deemed nonresponsive.

CONTRACTOR SHALL SIGNIFY RECEIPT OF AMENDMENT(S) (IF ANY). Any bid that fails to acknowledge any amendment that directly affects cost, scope or schedule will be rejected as nonresponsive.

Addenda #	By (Bidder Initials)	Date	Addenda #	By (Bidder Initials)	Date
1		5/5/2026			
2		5/12/2026			

PROPOSAL MUST BE SIGNED BY AN AUTHORIZED CONTRACTOR REPRESENTATIVE

CONTRACTOR HEREBY CERTIFIES that it has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

SIGNATURE:  DATE: 5/19/2026

PRINTED NAME & TITLE: Dig Karki, President

LEGAL COMPANY NAME: Hunter Contracting Co.

Price Book - Hunter Contracting Co. (12 Pages)

Code	Description	UOM	Group Id	Group Name	Group Type	Project Name	Price	Quantity	Total Cost
1	6"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 108.00	\$ 5,000.00	\$ 540,000.00
2	6"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 108.00	\$ 5,000.00	\$ 540,000.00
3	6"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 108.00	\$ 1,000.00	\$ 108,000.00
4	6"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 108.00	\$ 100.00	\$ 10,800.00
5	8"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 96.00	\$ 5,000.00	\$ 480,000.00
6	8"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 96.00	\$ 5,000.00	\$ 480,000.00
7	8"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 96.00	\$ 1,000.00	\$ 96,000.00
8	8"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 96.00	\$ 100.00	\$ 9,600.00
9	10"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 113.00	\$ 5,000.00	\$ 565,000.00
10	10"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 113.00	\$ 5,000.00	\$ 565,000.00
11	10"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 113.00	\$ 1,000.00	\$ 113,000.00
12	10"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 113.00	\$ 100.00	\$ 11,300.00
13	12"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.00	\$ 2,000.00	\$ 304,000.00
14	12"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.00	\$ 2,000.00	\$ 304,000.00
15	12"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.00	\$ 2,000.00	\$ 304,000.00
16	12"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 152.00	\$ 200.00	\$ 30,400.00
17	15"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 167.00	\$ 2,000.00	\$ 334,000.00
18	15"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 167.00	\$ 2,000.00	\$ 334,000.00
19	15"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 167.00	\$ 2,000.00	\$ 334,000.00
20	15"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 167.00	\$ 200.00	\$ 33,400.00
21	18"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 205.00	\$ 1,000.00	\$ 205,000.00
22	18"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 205.00	\$ 1,000.00	\$ 205,000.00
23	18"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 205.00	\$ 1,000.00	\$ 205,000.00
24	18"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 205.00	\$ 200.00	\$ 41,000.00
25	21"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 236.00	\$ 1,000.00	\$ 236,000.00
26	21"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 236.00	\$ 1,000.00	\$ 236,000.00
27	21"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 236.00	\$ 1,000.00	\$ 236,000.00
28	21"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 236.00	\$ 200.00	\$ 47,200.00
29	24"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 270.00	\$ 1,000.00	\$ 270,000.00
30	24"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 270.00	\$ 1,000.00	\$ 270,000.00
31	24"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 270.00	\$ 1,000.00	\$ 270,000.00
32	24"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 270.00	\$ 200.00	\$ 54,000.00
33	27"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 288.00	\$ 1,000.00	\$ 288,000.00
34	27"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 288.00	\$ 1,000.00	\$ 288,000.00
35	27"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 288.00	\$ 1,000.00	\$ 288,000.00
36	27"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 288.00	\$ 500.00	\$ 144,000.00
37	30"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 289.00	\$ 1,000.00	\$ 289,000.00
38	30"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 289.00	\$ 1,000.00	\$ 289,000.00
39	30"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 289.00	\$ 1,000.00	\$ 289,000.00
40	30"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 289.00	\$ 500.00	\$ 144,500.00
41	33"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 368.00	\$ 1,000.00	\$ 368,000.00
42	33"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 368.00	\$ 1,000.00	\$ 368,000.00
43	33"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 368.00	\$ 1,000.00	\$ 368,000.00
44	33"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 368.00	\$ 500.00	\$ 184,000.00
45	36"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 408.00	\$ 1,000.00	\$ 408,000.00
46	36"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 408.00	\$ 1,000.00	\$ 408,000.00
47	36"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 408.00	\$ 1,000.00	\$ 408,000.00
48	36"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 408.00	\$ 500.00	\$ 204,000.00
49	39"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 440.00	\$ 1,000.00	\$ 440,000.00
50	39"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 440.00	\$ 1,000.00	\$ 440,000.00
51	39"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 440.00	\$ 1,000.00	\$ 440,000.00
52	39"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 440.00	\$ 200.00	\$ 88,000.00
53	42"Host Pipe, 5' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 521.00	\$ 1,000.00	\$ 521,000.00
54	42"Host Pipe, 10' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 521.00	\$ 1,000.00	\$ 521,000.00
55	42"Host Pipe, 15' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 521.00	\$ 1,000.00	\$ 521,000.00
56	42"Host Pipe, 20' Cover UV CIPP Liner	Linear Foot/Feet	Group 1A	Base Bid	Standard	Price Book	\$ 521.00	\$ 200.00	\$ 104,200.00
57	6"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 63.00	\$ 5,000.00	\$ 315,000.00
58	6"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 63.00	\$ 5,000.00	\$ 315,000.00
59	6"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 63.00	\$ 1,000.00	\$ 63,000.00
60	6"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 63.00	\$ 100.00	\$ 6,300.00
61	8"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.00	\$ 5,000.00	\$ 275,000.00
62	8"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.00	\$ 5,000.00	\$ 275,000.00
63	8"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.00	\$ 1,000.00	\$ 55,000.00
64	8"Host Pipe, 20' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 55.00	\$ 100.00	\$ 5,500.00
65	10"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 65.00	\$ 2,000.00	\$ 130,000.00
66	10"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 65.00	\$ 2,000.00	\$ 130,000.00
67	10"Host Pipe, 15' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 65.00	\$ 1,000.00	\$ 65,000.00
68	10"Host Pipe, 20' Cover Felt CIPP Liner, 6.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 66.00	\$ 100.00	\$ 6,600.00
69	12"Host Pipe, 5' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.00	\$ 2,000.00	\$ 144,000.00
70	12"Host Pipe, 10' Cover Felt CIPP Liner, 6.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 72.00	\$ 2,000.00	\$ 144,000.00
71	12"Host Pipe, 15' Cover Felt CIPP Liner, 7.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 76.00	\$ 2,000.00	\$ 152,000.00
72	12"Host Pipe, 20' Cover Felt CIPP Liner, 7.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 76.00	\$ 200.00	\$ 15,200.00
73	15"Host Pipe, 5' Cover Felt CIPP Liner, 6.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 99.00	\$ 2,000.00	\$ 198,000.00
74	15"Host Pipe, 10' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 102.00	\$ 2,000.00	\$ 204,000.00
75	15"Host Pipe, 15' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 105.00	\$ 2,000.00	\$ 210,000.00
76	15"Host Pipe, 20' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 105.00	\$ 200.00	\$ 21,000.00
77	18"Host Pipe, 5' Cover Felt CIPP Liner, 7.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 107.00	\$ 1,000.00	\$ 107,000.00
78	18"Host Pipe, 10' Cover Felt CIPP Liner, 8.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 109.00	\$ 1,000.00	\$ 109,000.00

79	18"Host Pipe, 15' Cover Felt CIPP Liner, 10.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 122.00	\$ 1,000.00	\$ 122,000.00
80	18"Host Pipe, 20' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 124.00	\$ 200.00	\$ 24,800.00
81	21"Host Pipe, 5' Cover Felt CIPP Liner, 8.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 170.00	\$ 1,000.00	\$ 170,000.00
82	21"Host Pipe, 10' Cover Felt CIPP Liner, 10.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 177.00	\$ 1,000.00	\$ 177,000.00
83	21"Host Pipe, 15' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 184.00	\$ 1,000.00	\$ 184,000.00
84	21"Host Pipe, 20' Cover Felt CIPP Liner, 14.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 191.00	\$ 200.00	\$ 38,200.00
85	24"Host Pipe, 5' Cover Felt CIPP Liner, 9.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 201.00	\$ 1,000.00	\$ 201,000.00
86	24"Host Pipe, 10' Cover Felt CIPP Liner, 11.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 206.00	\$ 1,000.00	\$ 206,000.00
87	24"Host Pipe, 15' Cover Felt CIPP Liner, 14.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 219.00	\$ 1,000.00	\$ 219,000.00
88	24"Host Pipe, 20' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 224.00	\$ 200.00	\$ 44,800.00
89	27"Host Pipe, 5' Cover Felt CIPP Liner, 11.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 250.00	\$ 1,000.00	\$ 250,000.00
90	27"Host Pipe, 10' Cover Felt CIPP Liner, 13.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 258.00	\$ 1,000.00	\$ 258,000.00
91	27"Host Pipe, 15' Cover Felt CIPP Liner, 16.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 270.00	\$ 1,000.00	\$ 270,000.00
92	27"Host Pipe, 20' Cover Felt CIPP Liner, 18.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 284.00	\$ 500.00	\$ 142,000.00
93	30"Host Pipe, 5' Cover Felt CIPP Liner, 12.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 293.00	\$ 1,000.00	\$ 293,000.00
94	30"Host Pipe, 10' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 300.00	\$ 1,000.00	\$ 300,000.00
95	30"Host Pipe, 15' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 315.00	\$ 1,000.00	\$ 315,000.00
96	30"Host Pipe, 20' Cover Felt CIPP Liner, 20.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 329.00	\$ 500.00	\$ 164,500.00
97	33"Host Pipe, 5' Cover Felt CIPP Liner, 13.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 382.00	\$ 1,000.00	\$ 382,000.00
98	33"Host Pipe, 10' Cover Felt CIPP Liner, 16.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 390.00	\$ 1,000.00	\$ 390,000.00
99	33"Host Pipe, 15' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 415.00	\$ 1,000.00	\$ 415,000.00
100	33"Host Pipe, 20' Cover Felt CIPP Liner, 22.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 423.00	\$ 500.00	\$ 211,500.00
101	36"Host Pipe, 5' Cover Felt CIPP Liner, 14.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 409.00	\$ 1,000.00	\$ 409,000.00
102	36"Host Pipe, 10' Cover Felt CIPP Liner, 17.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 417.00	\$ 1,000.00	\$ 417,000.00
103	36"Host Pipe, 15' Cover Felt CIPP Liner, 21.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 444.00	\$ 1,000.00	\$ 444,000.00
104	36"Host Pipe, 20' Cover Felt CIPP Liner, 23.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 466.00	\$ 500.00	\$ 233,000.00
105	39"Host Pipe, 5' Cover Felt CIPP Liner, 15.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 516.00	\$ 1,000.00	\$ 516,000.00
106	39"Host Pipe, 10' Cover Felt CIPP Liner, 19.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 531.00	\$ 1,000.00	\$ 531,000.00
107	39"Host Pipe, 15' Cover Felt CIPP Liner, 22.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 560.00	\$ 1,000.00	\$ 560,000.00
108	39"Host Pipe, 20' Cover Felt CIPP Liner, 25.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 579.00	\$ 200.00	\$ 115,800.00
109	42"Host Pipe, 5' Cover Felt CIPP Liner, 17.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 570.00	\$ 1,000.00	\$ 570,000.00
110	42"Host Pipe, 10' Cover Felt CIPP Liner, 20.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 582.00	\$ 1,000.00	\$ 582,000.00
111	42"Host Pipe, 15' Cover Felt CIPP Liner, 24.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 613.00	\$ 1,000.00	\$ 613,000.00
112	42"Host Pipe, 20' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 631.00	\$ 200.00	\$ 126,200.00
113	48"Host Pipe, 5' Cover Felt CIPP Liner, 19.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 756.00	\$ 1,000.00	\$ 756,000.00
114	48"Host Pipe, 10' Cover Felt CIPP Liner, 23.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 785.00	\$ 1,000.00	\$ 785,000.00
115	48"Host Pipe, 15' Cover Felt CIPP Liner, 28.2 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 816.00	\$ 1,000.00	\$ 816,000.00
116	48"Host Pipe, 20' Cover Felt CIPP Liner, 32 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 855.00	\$ 100.00	\$ 85,500.00
117	54"Host Pipe, 5' Cover Felt CIPP Liner, 21.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 790.00	\$ 1,000.00	\$ 790,000.00
118	54"Host Pipe, 10' Cover Felt CIPP Liner, 26.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 834.00	\$ 1,000.00	\$ 834,000.00
119	54"Host Pipe, 15' Cover Felt CIPP Liner, 31.8 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 889.00	\$ 1,000.00	\$ 889,000.00
120	54"Host Pipe, 20' Cover Felt CIPP Liner, 36.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 932.00	\$ 100.00	\$ 93,200.00
121	60"Host Pipe, 5' Cover Felt CIPP Liner, 24.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,102.00	\$ 1,000.00	\$ 1,102,000.00
122	60"Host Pipe, 10' Cover Felt CIPP Liner, 29.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,150.00	\$ 1,000.00	\$ 1,150,000.00
123	60"Host Pipe, 15' Cover Felt CIPP Liner, 35.3 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,212.00	\$ 1,000.00	\$ 1,212,000.00
124	60"Host Pipe, 20' Cover Felt CIPP Liner, 39.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,256.00	\$ 100.00	\$ 125,600.00
125	66"Host Pipe, 5' Cover Felt CIPP Liner, 26.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,146.00	\$ 1,000.00	\$ 1,146,000.00
126	66"Host Pipe, 10' Cover Felt CIPP Liner, 32.5 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,197.00	\$ 1,000.00	\$ 1,197,000.00
127	66"Host Pipe, 15' Cover Felt CIPP Liner, 38.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,268.00	\$ 1,000.00	\$ 1,268,000.00
128	66"Host Pipe, 20' Cover Felt CIPP Liner, 43.9 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 1,335.00	\$ 100.00	\$ 133,500.00
129	72"Host Pipe, 5' Cover Felt CIPP Liner, 28.7 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,450.00	\$ 1,000.00	\$ 3,450,000.00
130	72"Host Pipe, 10' Cover Felt CIPP Liner, 35.6 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,518.00	\$ 1,000.00	\$ 3,518,000.00
131	72"Host Pipe, 15' Cover Felt CIPP Liner, 42.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,611.00	\$ 1,000.00	\$ 3,611,000.00
132	72"Host Pipe, 20' Cover Felt CIPP Liner, 48.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,688.00	\$ 100.00	\$ 368,800.00
133	78"Host Pipe, 5' Cover Felt CIPP Liner, 31.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,521.00	\$ 1,000.00	\$ 3,521,000.00
134	78"Host Pipe, 10' Cover Felt CIPP Liner, 38.4 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,627.00	\$ 1,000.00	\$ 3,627,000.00
135	78"Host Pipe, 15' Cover Felt CIPP Liner, 46.0 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,726.00	\$ 1,000.00	\$ 3,726,000.00
136	78"Host Pipe, 20' Cover Felt CIPP Liner, 52.1 mm thk	Linear Foot/Feet	Group 2	Base Bid	Standard	Price Book	\$ 3,803.00	\$ 100.00	\$ 380,300.00
137	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 101.00	\$ 5,000.00	\$ 505,000.00
138	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 108.00	\$ 5,000.00	\$ 540,000.00
139	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 123.00	\$ 5,000.00	\$ 615,000.00
140	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 137.00	\$ 500.00	\$ 68,500.00
141	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 96.00	\$ 5,000.00	\$ 480,000.00
142	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 93.00	\$ 5,000.00	\$ 465,000.00
143	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 105.00	\$ 5,000.00	\$ 525,000.00
144	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 127.00	\$ 5,000.00	\$ 635,000.00
145	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 92.00	\$ 5,000.00	\$ 460,000.00
146	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 101.00	\$ 5,000.00	\$ 505,000.00
147	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 114.00	\$ 5,000.00	\$ 570,000.00
148	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 135.00	\$ 5,000.00	\$ 675,000.00
149	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 102.00	\$ 5,000.00	\$ 510,000.00
150	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 112.00	\$ 5,000.00	\$ 560,000.00
151	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 123.00	\$ 5,000.00	\$ 615,000.00
152	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 145.00	\$ 5,000.00	\$ 725,000.00
153	15"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 121.00	\$ 2,000.00	\$ 242,000.00
154	15"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 131.00	\$ 2,000.00	\$ 262,000.00
155	15"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 142.00	\$ 2,000.00	\$ 284,000.00
156	15"Host Pipe, >15.1' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 164.00	\$ 2,000.00	\$ 328,000.00
157	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, PVC Repair	Linear Foot/Feet	Group 3	Base Bid	Standard	Price Book	\$ 139.00	\$ 1,000.00	\$ 139,000.00

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237	33"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 612.00	\$ 100.00	\$ 61,200.00
238	33"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 612.00	\$ 100.00	\$ 61,200.00
239	33"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 613.00	\$ 100.00	\$ 61,300.00
240	33"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 613.00	\$ 100.00	\$ 61,300.00
241	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 643.00	\$ 100.00	\$ 64,300.00
242	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 660.00	\$ 100.00	\$ 66,000.00
243	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 660.00	\$ 100.00	\$ 66,000.00
244	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 660.00	\$ 100.00	\$ 66,000.00
245	39"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 832.00	\$ 100.00	\$ 83,200.00
246	39"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 835.00	\$ 100.00	\$ 83,500.00
247	39"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 835.00	\$ 100.00	\$ 83,500.00
248	39"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 835.00	\$ 100.00	\$ 83,500.00
249	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,389.00	\$ 50.00	\$ 69,450.00
250	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,391.00	\$ 50.00	\$ 69,550.00
251	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,391.00	\$ 50.00	\$ 69,550.00
252	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,391.00	\$ 50.00	\$ 69,550.00
253	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,876.00	\$ 50.00	\$ 93,800.00
254	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,878.00	\$ 50.00	\$ 93,900.00
255	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,878.00	\$ 50.00	\$ 93,900.00
256	48"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 1,878.00	\$ 50.00	\$ 93,900.00
257	54"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,283.00	\$ 50.00	\$ 114,150.00
258	54"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,285.00	\$ 50.00	\$ 114,250.00
259	54"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,285.00	\$ 50.00	\$ 114,250.00
260	54"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,285.00	\$ 50.00	\$ 114,250.00
261	60"Host Pipe, <=5' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,837.00	\$ 50.00	\$ 141,850.00
262	60"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,839.00	\$ 50.00	\$ 141,950.00
263	60"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,839.00	\$ 50.00	\$ 141,950.00
264	60"Host Pipe, >15.1' Cover Open Cut Pipe Repair, DIP Repair	Linear Foot/Feet	Group 4	Base Bid	Standard	Price Book	\$ 2,839.00	\$ 50.00	\$ 141,950.00
265	6"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 89.00	\$ 5,000.00	\$ 445,000.00
266	6"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 99.00	\$ 5,000.00	\$ 495,000.00
267	6"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 110.00	\$ 5,000.00	\$ 550,000.00
268	6"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 168.00	\$ 500.00	\$ 84,000.00
269	8"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 106.00	\$ 5,000.00	\$ 530,000.00
270	8"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 115.00	\$ 5,000.00	\$ 575,000.00
271	8"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 127.00	\$ 5,000.00	\$ 635,000.00
272	8"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 183.00	\$ 500.00	\$ 91,500.00
273	10"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 125.00	\$ 5,000.00	\$ 625,000.00
274	10"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 134.00	\$ 5,000.00	\$ 670,000.00
275	10"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 147.00	\$ 5,000.00	\$ 735,000.00
276	10"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 202.00	\$ 500.00	\$ 101,000.00
277	12"Host Pipe, <=5' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 158.00	\$ 1,000.00	\$ 158,000.00
278	12"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 164.00	\$ 1,000.00	\$ 164,000.00
279	12"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 169.00	\$ 1,000.00	\$ 169,000.00
280	12"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C900 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 226.00	\$ 1,000.00	\$ 226,000.00
281	14" A Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 163.00	\$ 1,000.00	\$ 163,000.00
282	14"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 163.00	\$ 1,000.00	\$ 163,000.00
283	14"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 168.00	\$ 1,000.00	\$ 168,000.00
284	14"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 170.00	\$ 1,000.00	\$ 170,000.00
285	16"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 199.00	\$ 1,000.00	\$ 199,000.00
286	16"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 199.00	\$ 1,000.00	\$ 199,000.00
287	16"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 203.00	\$ 1,000.00	\$ 203,000.00
288	16"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 204.00	\$ 1,000.00	\$ 204,000.00
289	18"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 220.00	\$ 1,000.00	\$ 220,000.00
290	18"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 220.00	\$ 1,000.00	\$ 220,000.00
291	18"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 225.00	\$ 1,000.00	\$ 225,000.00
292	18"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 227.00	\$ 1,000.00	\$ 227,000.00
293	20"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 240.00	\$ 1,000.00	\$ 240,000.00
294	20"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 240.00	\$ 1,000.00	\$ 240,000.00
295	20"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 243.00	\$ 1,000.00	\$ 243,000.00
296	20"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 245.00	\$ 1,000.00	\$ 245,000.00
297	24"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 309.00	\$ 100.00	\$ 30,900.00
298	24"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 309.00	\$ 100.00	\$ 30,900.00
299	24"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 311.00	\$ 100.00	\$ 31,100.00
300	24"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 311.00	\$ 100.00	\$ 31,100.00
301	30"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 387.00	\$ 100.00	\$ 38,700.00
302	30"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 387.00	\$ 100.00	\$ 38,700.00
303	30"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 389.00	\$ 100.00	\$ 38,900.00
304	30"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 389.00	\$ 100.00	\$ 38,900.00
305	36"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 515.00	\$ 100.00	\$ 51,500.00
306	36"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 518.00	\$ 100.00	\$ 51,800.00
307	36"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 518.00	\$ 100.00	\$ 51,800.00
308	36"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 518.00	\$ 100.00	\$ 51,800.00
309	42"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 720.00	\$ 50.00	\$ 36,000.00
310	42"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 724.00	\$ 50.00	\$ 36,200.00
311	42"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 724.00	\$ 50.00	\$ 36,200.00
312	42"Host Pipe, >15.1' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 724.00	\$ 50.00	\$ 36,200.00
313	48"Host Pipe, <=5' Cover Open Cut Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 811.00	\$ 50.00	\$ 40,550.00
314	48"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 813.00	\$ 50.00	\$ 40,650.00
315	48"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, C905 Repair	Linear Foot/Feet	Group 5	Base Bid	Standard	Price Book	\$ 813.00	\$ 50.00	\$ 40,650.00

Price Book - Hunter Contracting Co.

366	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 106.00	\$ 100.00	\$ 10,600.00
367	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 114.00	\$ 100.00	\$ 11,400.00
368	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS VCP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 120.00	\$ 100.00	\$ 12,000.00
369	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 162.00	\$ 100.00	\$ 16,200.00
370	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 162.00	\$ 100.00	\$ 16,200.00
371	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 171.00	\$ 100.00	\$ 17,100.00
372	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS DIP Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 177.00	\$ 100.00	\$ 17,700.00
373	4"Host Pipe, <=5' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 108.00	\$ 100.00	\$ 10,800.00
374	4"Host Pipe, 5.1' to 10' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 108.00	\$ 100.00	\$ 10,800.00
375	4"Host Pipe, 10.1' to 15' Cover Open Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 117.00	\$ 100.00	\$ 11,700.00
376	4"Host Pipe, >15.1' Cover Open Cut Pipe Repair, HCS HDPE Repair	Linear Foot/Feet	Group 8	Base Bid	Standard	Price Book	\$ 122.00	\$ 100.00	\$ 12,200.00
377	6"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,278.00	\$ 200.00	\$ 255,600.00
378	8"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,452.00	\$ 200.00	\$ 290,400.00
379	10"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,529.00	\$ 20.00	\$ 30,580.00
380	12"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,697.00	\$ 20.00	\$ 33,940.00
381	15"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,811.00	\$ 12.00	\$ 33,732.00
382	18"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,558.00	\$ 10.00	\$ 35,580.00
383	21"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,493.00	\$ 6.00	\$ 26,958.00
384	24"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,655.00	\$ 6.00	\$ 39,930.00
385	27"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,000.00	\$ 6.00	\$ 36,000.00
386	30"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$ 6,000.00	\$ 6.00	\$ 36,000.00
387	33"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$10,584.00	\$ 6.00	\$ 63,504.00
388	36"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$10,584.00	\$ 6.00	\$ 63,504.00
389	39"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$10,584.00	\$ 6.00	\$ 63,504.00
390	42"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$10,803.00	\$ 6.00	\$ 64,818.00
391	48"Point Repair Couplings	Each	Group 9	Base Bid	Standard	Price Book	\$10,803.00	\$ 6.00	\$ 64,818.00
392	HCS Reinstatement for CIPP, Mechanized robot	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,666.00	\$ 1,000.00	\$ 1,666,000.00
393	HCS Reinstatement for CIPP, Open cut	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,352.00	\$ 10.00	\$ 23,520.00
394	HCS Reinstatement for Open cut repairs or replacements	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,406.00	\$ 250.00	\$ 601,500.00
395	CIPP Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$21,907.00	\$ 100.00	\$ 2,190,700.00
396	CIPP Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$25,212.00	\$ 100.00	\$ 2,521,200.00
397	CIPP Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$23,398.00	\$ 25.00	\$ 584,950.00
398	CIPP Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$39,051.00	\$ 25.00	\$ 976,275.00
399	CIPP Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$38,402.00	\$ 25.00	\$ 960,050.00
400	Point Repair Mobilization for 6"through 12"	Each	Group 9	Base Bid	Standard	Price Book	\$16,914.00	\$ 20.00	\$ 338,280.00
401	Point Repair Mobilization for 15" through 24"	Each	Group 9	Base Bid	Standard	Price Book	\$16,715.00	\$ 50.00	\$ 835,750.00
402	Point Repair Mobilization for 27" through 42"	Each	Group 9	Base Bid	Standard	Price Book	\$16,715.00	\$ 50.00	\$ 835,750.00
403	Point Repair Mobilization for 48" through 66"	Each	Group 9	Base Bid	Standard	Price Book	\$16,715.00	\$ 20.00	\$ 334,300.00
404	Point Repair Mobilization for 72" through 78"	Each	Group 9	Base Bid	Standard	Price Book	\$16,715.00	\$ 20.00	\$ 334,300.00
405	Manhole-Clean Out Adjustment Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,252.00	\$ 1,000.00	\$ 1,252,000.00
406	Manhole-Clean Out Reconstruction Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,256.00	\$ 1,000.00	\$ 1,256,000.00
407	New Manhole Mobilization	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,256.00	\$ 1,000.00	\$ 1,256,000.00
408	Flow Management Mobilization of 4" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,476.00	\$ 200.00	\$ 695,200.00
409	Flow Management Mobilization of 6" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 3,557.00	\$ 50.00	\$ 177,850.00
410	Flow Management Mobilization of 8" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 4,453.00	\$ 25.00	\$ 111,325.00
411	Flow Management Mobilization of 12" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,819.00	\$ 5.00	\$ 49,095.00
412	Flow Management Mobilization of 14" Pumps, Approximately ____gpm expected from this pump size	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,647.00	\$ 5.00	\$ 48,235.00
413	Flow Management with a 4" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 350.00	\$ 500.00	\$ 175,000.00
414	Flow Management with a 4" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 4,669.00	\$ 200.00	\$ 933,800.00
415	Flow Management with a 4" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$18,383.00	\$ 200.00	\$ 3,676,600.00
416	Flow Management with a 6" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 382.00	\$ 500.00	\$ 191,000.00
417	Flow Management with a 6" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 5,042.00	\$ 100.00	\$ 504,200.00
418	Flow Management with a 6" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$22,736.00	\$ 100.00	\$ 2,273,600.00
419	Flow Management with a 8" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 388.00	\$ 500.00	\$ 194,000.00
420	Flow Management with a 8" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 4,413.00	\$ 50.00	\$ 220,650.00
421	Flow Management with a 8" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$27,296.00	\$ 50.00	\$ 1,364,800.00
422	Flow Management with a 12" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 558.00	\$ 500.00	\$ 279,000.00
423	Flow Management with a 12" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 6,245.00	\$ 25.00	\$ 156,125.00
424	Flow Management with a 12" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$36,861.00	\$ 25.00	\$ 921,525.00
425	Flow Management with a 16" Pump, per hour	Hour	Group 9	Base Bid	Standard	Price Book	\$ 651.00	\$ 500.00	\$ 325,500.00
426	Flow Management with a 16" Pump, per day	Day	Group 9	Base Bid	Standard	Price Book	\$ 8,092.00	\$ 25.00	\$ 202,300.00
427	Flow Management with a 16" Pump, per week	Week	Group 9	Base Bid	Standard	Price Book	\$47,156.00	\$ 25.00	\$ 1,178,900.00
428	Vactor Truck Monitoring for Flow Management	Hour	Group 9	Base Bid	Standard	Price Book	\$ 407.00	\$ 200.00	\$ 81,400.00
429	Flow Management 4" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 6.00	\$50,000.00	\$ 300,000.00
430	Flow Management 6" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 8.00	\$50,000.00	\$ 400,000.00
431	Flow Management 8" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 13.00	\$30,000.00	\$ 390,000.00
432	Flow Management 12" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 14.00	\$30,000.00	\$ 420,000.00
433	Flow Management 16" HDPE piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 15.00	\$20,000.00	\$ 300,000.00
434	Flow Management 4" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 6.00	\$20,000.00	\$ 120,000.00

435	Flow Management 6" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 8.00	\$20,000.00	\$ 160,000.00
436	Flow Management 8" Aluminum piping and materials, per ft installed	Year	Group 9	Base Bid	Standard	Price Book	\$ 13.00	\$20,000.00	\$ 260,000.00
437	Utility Trench Pavement Patch TYPE 1, provide and install materials, with 2-inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 259.00	\$ 500.00	\$ 129,500.00
438	Utility Trench Pavement Patch TYPE 2, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 315.00	\$ 100.00	\$ 31,500.00
439	Utility Trench Pavement Patch TYPE 3, provide and install materials, with 2- inch thick asphaltic concrete layer, in accordance with PC/COT Std Dtl 216 and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 377.00	\$ 100.00	\$ 37,700.00
440	Chip Seal coat, in accordance with Section 404 of PC/COT Std Specs and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 482.00	\$ 100.00	\$ 48,200.00
441	Asphaltic Concrete Finish Course (Mix #3), 2-inch thick layer incremental adjustment to the thickness stated in bid items 45, 46, 47, per Section 406 of PC/COT Std Specs, and the plans and specifications, complete.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 150.00	\$ 300.00	\$ 45,000.00
442	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1") ¹ , complete. Daily rate	Day	Group 9	Base Bid	Standard	Price Book	\$ 691.00	\$ 500.00	\$ 345,500.00
443	Furnish and Install Temporary Traffic Metal Plate (8'x10'x1") ¹ , complete. Weekly rate	Week	Group 9	Base Bid	Standard	Price Book	\$ 1,004.00	\$ 500.00	\$ 502,000.00
444	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$13,983.00	\$ 25.00	\$ 349,575.00
445	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 10" diameter pipe, per PCWMD Std. Dtl. 201, and accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$25,149.00	\$ 25.00	\$ 628,725.00
446	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$14,590.00	\$ 25.00	\$ 364,750.00
447	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$31,613.00	\$ 25.00	\$ 790,325.00
448	Furnish and install New 4 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$16,634.00	\$ 25.00	\$ 415,850.00
449	Furnish and install New 4 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$28,750.00	\$ 25.00	\$ 718,750.00
450	Furnish and install New 5 ft Diameter non Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$17,230.00	\$ 25.00	\$ 430,750.00
451	Furnish and install New 5 ft Diameter non Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$35,190.00	\$ 25.00	\$ 879,750.00
452	Furnish and install New 4 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$16,689.00	\$ 25.00	\$ 417,225.00
453	Furnish and install New 4 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$28,750.00	\$ 25.00	\$ 718,750.00
454	Furnish and install New 5 ft Diameter Reinforced Concrete Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$17,310.00	\$ 25.00	\$ 432,750.00
455	Furnish and install New 5 ft Diameter Reinforced Polymer Manhole Base for 6" diameter to 15" diameter pipe greater than 20 ft deep, per Std. Dtl. 201, and in accordance with the plans and specifications, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$33,367.00	\$ 25.00	\$ 834,175.00
456	Furnish and install New 30" Diameter Reinforced Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 901.00	\$ 100.00	\$ 90,100.00

457	Furnish and install New 30" Diameter Fiberglass Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 656.00	\$ 100.00	\$ 65,600.00
458	Furnish and install New 30" Diameter Polymer Concrete Manhole Material for Shallow Manhole per PCWMD Std. Dtl. 207, including grade rings and 30" frame and cover per Std. Dtl.214.0, 214.1 & 214.2, and in accordance with the plans and specifications, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 7,856.00	\$ 100.00	\$ 785,600.00
459	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,293.00	\$ 100.00	\$ 129,300.00
460	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,106.00	\$ 100.00	\$ 110,600.00
461	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,131.00	\$ 100.00	\$ 113,100.00
462	Furnish and install New 4 ft Diameter Concrete Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,217.00	\$ 100.00	\$ 121,700.00
463	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 770.00	\$ 100.00	\$ 77,000.00
464	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 747.00	\$ 100.00	\$ 74,700.00
465	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 805.00	\$ 100.00	\$ 80,500.00
466	Furnish and install New 4 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 852.00	\$ 100.00	\$ 85,200.00
467	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,714.00	\$ 100.00	\$ 371,400.00
468	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,756.00	\$ 100.00	\$ 275,600.00
469	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,481.00	\$ 100.00	\$ 248,100.00
470	Furnish and install New 4 ft Diameter Polymer Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,382.00	\$ 100.00	\$ 238,200.00
471	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 6,327.00	\$ 100.00	\$ 632,700.00

	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.								
472		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,303.00	\$ 100.00	\$ 330,300.00
	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.								
473		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,845.00	\$ 100.00	\$ 184,500.00
	Furnish and install New 4 ft Diameter PVC Manhole per RWRD Std. Dtl. 205, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.								
474		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,327.00	\$ 100.00	\$ 132,700.00
	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.								
475		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,353.00	\$ 100.00	\$ 135,300.00
	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.								
476		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,168.00	\$ 100.00	\$ 116,800.00
	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.								
477		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,215.00	\$ 100.00	\$ 121,500.00
	Furnish and install New 5 ft Diameter Concrete Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.								
478		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,296.00	\$ 100.00	\$ 129,600.00
	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.								
479		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,110.00	\$ 100.00	\$ 111,000.00
	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.								
480		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,098.00	\$ 100.00	\$ 109,800.00
	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.								
481		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,095.00	\$ 100.00	\$ 109,500.00
	Furnish and install New 5 ft Diameter Fiberglass Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.								
482		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,175.00	\$ 100.00	\$ 117,500.00
	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.								
483		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,110.00	\$ 100.00	\$ 411,000.00
	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.								
484		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,217.00	\$ 100.00	\$ 321,700.00
	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.								
485		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 3,025.00	\$ 100.00	\$ 302,500.00
	Furnish and install New 5 ft Diameter Polymer Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.								
486		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,848.00	\$ 100.00	\$ 284,800.00

	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 3 ft to 6 ft deep, complete.								
487		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 8,968.00	\$ 100.00	\$ 896,800.00
	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 6.1 ft to 12 ft deep, complete.								
488		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 4,622.00	\$ 100.00	\$ 462,200.00
	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 12.1 ft to 19 ft deep, complete.								
489		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 2,506.00	\$ 100.00	\$ 250,600.00
	Furnish and install New 5 ft Diameter PVC Manhole per RWRD Std. Dtl. 206, including manhole shaft, grade rings, steps and 24" frame and cover per County Standards and Specs and in accordance with the plans and specifications, 19.1 ft to 25 ft deep, complete.								
490		Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,744.00	\$ 100.00	\$ 174,400.00
	Rehabilitate and install coating on existing manhole base for 4 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.								
491		Each	Group 9	Base Bid	Standard	Price Book	\$ 3,626.00	\$ 100.00	\$ 362,600.00
	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.								
492		Each	Group 9	Base Bid	Standard	Price Book	\$ 5,006.00	\$ 100.00	\$ 500,600.00
	Rehabilitate and install coating on existing manhole base for 5 ft diameter manhole, in accordance with Master Agreement Sub Appendix "F", and the plans and specifications, complete.								
493		Each	Group 9	Base Bid	Standard	Price Book	\$ 5,004.00	\$ 25.00	\$ 125,100.00
	Provide protective coating on existing manhole or structures walls, ceiling, and riser sections, in accordance with plans and specifications, complete.								
494		Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 56.00	\$50,000.00	\$ 2,800,000.00
	Provide protective coating on new or existing manhole ring and cover, in accordance with plans and specifications, complete.								
495		Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 119.00	\$ 2,000.00	\$ 238,000.00
	Furnish and install a New 14" cleanout frame and cover, as per Sub Appendix N and in accordance with the plans and specifications, complete.								
496		Each	Group 9	Base Bid	Standard	Price Book	\$ 501.00	\$ 100.00	\$ 50,100.00
	Furnish and install a New 24" manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.								
497		Each	Group 9	Base Bid	Standard	Price Book	\$ 856.00	\$ 250.00	\$ 214,000.00
	Furnish and install a New 24" composite manhole frame and cover per Std Dtls 213.1, in accordance with the plans and specifications, complete.								
498		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,782.00	\$ 100.00	\$ 178,200.00
	Furnish and install a New 30" manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.								
499		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,047.00	\$ 50.00	\$ 52,350.00
	Furnish and install a New 30" composite manhole frame and cover per Std Dtls 214.0, in accordance with the plans and specifications, complete.								
500		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,781.00	\$ 50.00	\$ 89,050.00
	Furnish and install a New 24" Waterproof manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.								
501		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,086.00	\$ 100.00	\$ 108,600.00
	Furnish and install a New 24" Waterproof composite manhole cover and frame per Std Dtls 213.2, in accordance with the plans and specifications, complete.								
502		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,782.00	\$ 50.00	\$ 89,100.00
	Furnish and install a New 30" Waterproof manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.								
503		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,317.00	\$ 100.00	\$ 131,700.00
	Furnish and install a New 30" Waterproof composite manhole cover and frame per Std Dtls 214.1, in accordance with the plans and specifications, complete.								
504		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,781.00	\$ 50.00	\$ 89,050.00
	Furnish and install a New 24" Bolted Waterproof manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.								
505		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,198.00	\$ 50.00	\$ 59,900.00
	Furnish and install a New 24" Bolted Waterproof composite manhole cover and frame per Std Dtls 213.3, in accordance with the plans and specifications, complete.								
506		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,783.00	\$ 25.00	\$ 44,575.00
	Furnish and install a New 30" Bolted Waterproof manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.								
507		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,462.00	\$ 50.00	\$ 73,100.00
	Furnish and install a New 30" Bolted Waterproof composite manhole cover and frame per Std Dtls 214.2, in accordance with the plans and specifications, complete.								
508		Each	Group 9	Base Bid	Standard	Price Book	\$ 2,070.00	\$ 25.00	\$ 51,750.00
	Provide concrete collar for manhole per RWRD Std Dtl 211, in accordance with plans and specifications, complete.								
509		Each	Group 9	Base Bid	Standard	Price Book	\$ 886.00	\$ 500.00	\$ 443,000.00
	Provide concrete collar for manhole per RWRD Std Dtl 212, in accordance with plans and specifications, complete.								
510		Each	Group 9	Base Bid	Standard	Price Book	\$ 1,811.00	\$ 300.00	\$ 543,300.00
	Adjust Existing 24" Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.								
511		Each	Group 9	Base Bid	Standard	Price Book	\$ 690.00	\$ 1,000.00	\$ 690,000.00

512	Adjust Existing 30"Ø Diameter Frame and Cover on a Brick manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 690.00	\$ 500.00	\$ 345,000.00
513	Adjust Existing 24"Ø Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 690.00	\$ 1,000.00	\$ 690,000.00
514	Adjust Existing 30"Ø Diameter Frame and Cover on a Reinforced Concrete manhole, to the finished grade specified, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 690.00	\$ 500.00	\$ 345,000.00
515	Reconstruct Existing Cleanout to the finished grade specified (regardless of height adjustment), complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,125.00	\$ 250.00	\$ 281,250.00
516	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,211.00	\$ 2,000.00	\$ 2,422,000.00
517	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Brick manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,301.00	\$ 1,000.00	\$ 1,301,000.00
518	Reconstruct Existing 4 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,211.00	\$ 500.00	\$ 605,500.00
519	Reconstruct Existing 5 ft Diameter Manhole Barrel/Cone Section, on a Reinforced Concrete manhole, to the finished grade specified, complete.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 1,301.00	\$ 500.00	\$ 650,500.00
520	Provide Bench Rehabilitation for a 4 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,139.00	\$ 500.00	\$ 1,069,500.00
521	Provide Bench Rehabilitation for a 5 ft Diameter Manhole, per the Special Provisions, complete.	Each	Group 9	Base Bid	Standard	Price Book	\$ 2,384.00	\$ 500.00	\$ 1,192,000.00
522	Provide Pot-holing Services for PCRWRD, as requested.	Vertical Feet	Group 9	Base Bid	Standard	Price Book	\$ 441.00	\$ 2,000.00	\$ 882,000.00
523	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 94.00	\$ 500.00	\$ 47,000.00
524	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 67.00	\$ 1,000.00	\$ 67,000.00
525	Provide Excavation & Backfill using Native Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 50.00	\$ 2,000.00	\$ 100,000.00
526	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 0 ft to 4 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 118.00	\$ 500.00	\$ 59,000.00
527	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 4.1 ft to 10 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 138.00	\$ 1,000.00	\$ 138,000.00
528	Provide Excavation & Backfill using AB Material, as per the Special Provisions, 10.1 ft to 15 ft deep CY=(Width*Length*Depth)/27	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 162.00	\$ 2,000.00	\$ 324,000.00
529	Concrete Sidewalk Removal and Replacement, per Pima County/City of Tucson Standard Specifications and Dtls. 200 and 203, complete.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,276.00	\$ 1,000.00	\$ 1,276,000.00
530	PCCP Concrete Removal and Replacement 4" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,263.00	\$ 150.00	\$ 189,450.00
531	PCCP Concrete Removal and Replacement 6" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,259.00	\$ 200.00	\$ 251,800.00
532	PCCP Concrete Removal and Replacement 8" thick	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 1,044.00	\$ 200.00	\$ 208,800.00
533	Concrete Curb Removal and Replacement, Per Pima County/City of Tucson Standard Specifications and Details	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 969.00	\$ 2,000.00	\$ 1,938,000.00
534	1-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 254.00	\$ 250.00	\$ 63,500.00
535	2-Sack Low Strength Slurry Per Pima County/City of Tucson Standard Specifications and Details Section 501.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 260.00	\$ 250.00	\$ 65,000.00
536	Porta Potties, per week	Each	Group 9	Base Bid	Standard	Price Book	\$ 188.00	\$ 200.00	\$ 37,600.00
537	Porta Potties, per day	Each	Group 9	Base Bid	Standard	Price Book	\$ 189.00	\$ 200.00	\$ 37,800.00
538	Grouting of Cavities. Installed in place. Per PCRWRD Specifications.	Cubic Yard	Group 9	Base Bid	Standard	Price Book	\$ 649.00	\$ 500.00	\$ 324,500.00
539	CCTV of line 6"Ø to 10"Ø	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$ 50,000.00	\$ 100,000.00
540	CCTV of line 12"Ø to 15"Ø	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$ 50,000.00	\$ 100,000.00
541	CCTV of line 18"Ø and larger	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 2.00	\$ 50,000.00	\$ 100,000.00
542	Sewer cleaning of lines 6"Ø to 10"Ø with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 50,000.00	\$ 150,000.00
543	Sewer cleaning of DIP lines 6"Ø to 10"Ø with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 38.00	\$ 1,000.00	\$ 38,000.00
544	Sewer cleaning of lines 12"Ø to 15"Ø with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 3.00	\$ 50,000.00	\$ 150,000.00
545	Sewer cleaning of DIP lines 12"Ø to 15"Ø with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 44.00	\$ 1,000.00	\$ 44,000.00
546	Sewer cleaning of lines 18"Ø and larger with hydro cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 8.00	\$ 50,000.00	\$ 400,000.00
547	Sewer cleaning of DIP lines 18"Ø and larger with chain flailing cleaning equipment. Debris removed with vacuum.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 48.00	\$ 100.00	\$ 4,800.00
548	Provide As-Built documents, in accordance with the plans and specifications, complete.	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,007.00	\$ 100.00	\$ 100,700.00
549	Provide construction staking, in accordance with the plans and specifications, complete.	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 5.00	\$ 50,000.00	\$ 250,000.00
550	Asbestos Cement Pipe (ACP) Removal and Proper Disposal	Ton	Group 9	Base Bid	Standard	Price Book	\$ 2,779.00	\$ 10.00	\$ 27,790.00
551	Remove and dispose security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 29.00	\$ 200.00	\$ 5,800.00
552	Install new security fencing (6' to 8' fence with barb wire)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 158.00	\$ 200.00	\$ 31,600.00
553	Remove and dispose security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 29.00	\$ 500.00	\$ 14,500.00

554	Install new security fencing (6' chain link)	Linear Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 117.00	\$ 500.00	\$ 58,500.00
555	Remove and dispose existing 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 1,178.00	\$ 10.00	\$ 11,780.00
556	Install new 20' security gate	Each	Group 9	Base Bid	Standard	Price Book	\$ 9,169.00	\$ 10.00	\$ 91,690.00
557	Remove and replace 6' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 46.00	\$ 1,500.00	\$ 69,000.00
558	Remove and replace 8' CMU Wall	Square Foot/Feet	Group 9	Base Bid	Standard	Price Book	\$ 46.00	\$ 1,000.00	\$ 46,000.00
559	Archaeological Monitoring	Hour	Group 9	Base Bid	Standard	Price Book	\$ 191.00	\$ 500.00	\$ 95,500.00
560	Hydroseeding	Acre	Group 9	Base Bid	Standard	Price Book	\$ 5,510.00	\$ 10.00	\$ 55,100.00
561	Shop/Engineering Drawings	Sheet	Group 9	Base Bid	Standard	Price Book	\$ 1,003.00	\$ 100.00	\$ 100,300.00
562	Rip-Rap (D50 6") - Delivered and Installed.	Square Yard	Group 9	Base Bid	Standard	Price Book	\$ 73.00	\$ 2,000.00	\$ 146,000.00
563	Install Survey Monument per Standard Detail WWM 507.	Each	Group 9	Base Bid	Standard	Price Book	\$ 624.00	\$ 25.00	\$ 15,600.00
564	Provide miscellaneous services, construction materials and installation by Force Account, in accordance with the plans and specifications, complete.		Group 10	Allowance	Cost Allowance	Price Book			\$ 500,000.00

End of Exhibit E - Contractor Unit Price Books



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/18/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh & McLennan Agency LLC 8605 E. Raintree Drive, Suite 200 Scottsdale AZ 85260	CONTACT NAME: Yvonne Knizek PHONE (A/C, No, Ext): 602-792-2331 FAX (A/C, No): 480-708-0973 E-MAIL ADDRESS: yvonne.knizek@marshmma.com														
INSURED B & F Contracting, Inc. 11011 N. 23rd Ave Phoenix AZ 85029	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A : Hartford Fire Insurance Company</td> <td style="text-align: center;">19682</td> </tr> <tr> <td>INSURER B : Travelers Property Casualty Co of Amer</td> <td style="text-align: center;">25674</td> </tr> <tr> <td>INSURER C : Hartford Underwriters Insurance Company</td> <td style="text-align: center;">30104</td> </tr> <tr> <td>INSURER D : Alaska National Insurance Company</td> <td style="text-align: center;">38733</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Hartford Fire Insurance Company	19682	INSURER B : Travelers Property Casualty Co of Amer	25674	INSURER C : Hartford Underwriters Insurance Company	30104	INSURER D : Alaska National Insurance Company	38733	INSURER E :		INSURER F :	
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INSURER E :															
INSURER F :															

COVERAGES**CERTIFICATE NUMBER:** 983881367**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC ☐ OTHER:	Y	Y	59UENOE0293	4/1/2026	4/1/2027	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 BI/PD Deductible \$0
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	Y	Y	59UENOE0294	4/1/2026	4/1/2027	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$0	Y	Y	CUP2Y00726126NF	4/1/2026	4/1/2027	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☒ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y	59WEOE0B1D	4/1/2026	4/1/2027	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Installation Floater Repl. Cost. No Co-Ins. \$1,000 Deductible			IM1065936	4/1/2026	4/1/2027	Each Job Site/Max lim Temporary Storage \$250,000 In Transit \$250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder and owner (if applicable) are additional insureds as respects General Liability, Automobile Liability and Excess Liability if required in a written and executed contract per the attached forms. Waiver of Subrogation applies to the General Liability, Auto Liability, Workers Compensation, and Excess if required in a written and executed contract per the attached form. Such coverage afforded by these policies for the benefit of the additional insured(s) is primary and any other coverage maintained by such additional insured(s) shall be non-contributory when required in a written and executed contract. Umbrella Excess Liability is follow-form to the General Liability, Auto Liability, and Employers Liability policies. Excess Liability includes Separation of Insured Clause. Coverages evidenced are subject to the policy terms and conditions. XC&U Coverage is not excluded. Contractual Liab per HG0001 0916 XC&U coverage is not excluded. See Attached...

CERTIFICATE HOLDER**CANCELLATION**

Pima County
 150 W. Congress St 5th Floor
 Tucson AZ 85701

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ADDITIONAL REMARKS SCHEDULE

AGENCY Marsh & McLennan Agency LLC		NAMED INSURED B & F Contracting, Inc. 11011 N. 23rd Ave Phoenix AZ 85029
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

Notice of Cancellation to Certificate holder for General Liability, Auto Liability, and Workers Compensation, if required by written contract:
30-day notice if the policy is cancelled by the company, other than for nonpayment of premium
10-day notice if the policy is cancelled by the company for nonpayment of premium
RE: Project: Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services. Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees as additional insureds with respect to liability arising out of the activities performed by or on behalf of Contractor.

POLICY #: 59UENOE0293

POLICY PERIOD:

04/01/2026

TO

04/01/2027



COMMERCIAL GENERAL LIABILITY COVERAGE FORM

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations, and any other person or organization qualifying as a Named Insured under this policy. The words "we", "us" and "our" refer to the stock insurance company member of The Hartford providing this insurance.

The word "insured" means any person or organization qualifying as such under Section II - Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section V - Definitions.

SECTION I - COVERAGES

COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

- a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result. But:

(1) The amount we will pay for damages is limited as described in Section III - Limits Of Insurance; and

(2) Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements under Coverages A or B or medical expenses under Coverage C.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments - Coverages A and B.

- b. This insurance applies to "bodily injury" and "property damage" only if:

(1) The "bodily injury" or "property damage" is caused by an "occurrence" that takes place in the "coverage territory";

(2) The "bodily injury" or "property damage" occurs during the policy period; and

(3) Prior to the policy period, no insured listed under Paragraph 1. of Section II - Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.

- c. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph 1. of Section II - Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

(1) Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;

(2) Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or

(3) Becomes aware by any other means that "bodily injury" or "property damage" has occurred or has begun to occur.

- d. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

e. Incidental Medical Malpractice And Good Samaritan Coverage

"Bodily injury" arising out of the rendering of or failure to render the following health care services by any "employee" or "volunteer worker" shall be deemed to be caused by an "occurrence" for:

(1) Professional health care services such as:

- (a)** Medical, surgical, dental, laboratory, x-ray or nursing services or treatment, advice or instruction, or the related furnishing of food or beverages;
- (b)** Any health or therapeutic service, treatment, advice or instruction; or
- (c)** The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances; or

(2) First aid services, which include:

- (a)** Cardiopulmonary resuscitation, whether performed manually or with a defibrillator; or
- (b)** Services performed as a Good Samaritan.

For the purpose of determining the limits of insurance, any act or omission together with all related acts or omissions in the furnishing of these services to any one person will be considered one "occurrence".

However, this Incidental Medical Malpractice And Good Samaritan Coverage provision applies only if you are not engaged in the business or occupation of providing any of the services described in this provision.

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages:

- (1)** That the insured would have in the absence of the contract or agreement; or
- (2)** Assumed in a contract or agreement that is an "insured contract", provided the "bodily injury" or "property damage" occurs subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed in an "insured contract", reasonable attorney fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "bodily injury" or "property damage", provided:
 - (a)** Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and
 - (b)** Such attorney fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

c. Liquor Liability

"Bodily injury" or "property damage" for which any insured may be held liable by reason of:

- (1)** Causing or contributing to the intoxication of any person;
- (2)** The furnishing of alcoholic beverages to a person under the legal drinking age or under the influence of alcohol; or
- (3)** Any statute, ordinance or regulation relating to the sale, gift, distribution or use of alcoholic beverages.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in:

- (a)** The supervision, hiring, employment, training or monitoring of others by that insured; or
- (b)** Providing or failing to provide transportation with respect to any person that may be under the influence of alcohol;

if the "occurrence" which caused the "bodily injury" or "property damage", involved that which is described in Paragraph **(1)**, **(2)** or **(3)** above.

However, this exclusion applies only if you are in the business of manufacturing, distributing, selling, serving or furnishing alcoholic beverages. For the purposes of this exclusion, permitting a person to bring alcoholic beverages on your premises, for consumption on your premises, whether or not a fee is charged or a license is required for such activity, is not by itself considered the business of selling, serving or furnishing alcoholic beverages.

d. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law.

e. Employer's Liability

"Bodily injury" to:

- (1) An "employee" of the insured arising out of and in the course of:
 - (a) Employment by the insured; or
 - (b) Performing duties related to the conduct of the insured's business; or
- (2) The spouse, child, parent, brother or sister of that "employee" as a consequence of Paragraph (1) above.

This exclusion applies:

- (1) Whether the insured may be liable as an employer or in any other capacity; and
- (2) To any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to liability assumed by the insured under an "insured contract".

f. Pollution

- (1) "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":
 - (a) At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured. However, this subparagraph does not apply to:
 - (i) "Bodily injury" if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or equipment that is used to heat water for personal use, by the building's occupants or their guests;
 - (ii) "Bodily injury" or "property damage" for which you may be held liable, if you are a contractor and the owner or lessee of such premises, site or location has been added to your policy as an additional insured with respect to your ongoing operations performed for that additional insured at that premises, site or location and such premises, site or location is not and never was owned or occupied by, or rented or loaned to, any insured, other than that additional insured; or
 - (iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";
 - (b) At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;
 - (c) Which are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for:
 - (i) Any insured; or
 - (ii) Any person or organization for whom you may be legally responsible;
 - (d) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor. However, this subparagraph does not apply to:
 - (i) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;
 - (ii) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by you or on your behalf by a contractor or subcontractor; or
 - (iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire"; or
 - (e) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants".

(2) Any loss, cost or expense arising out of any:

- (a)** Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
- (b)** Claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

However, this paragraph does not apply to liability for damages because of "property damage" that the insured would have in the absence of such request, demand, order or statutory or regulatory requirement, or such claim or "suit" by or on behalf of a governmental authority.

g. Aircraft, Auto Or Watercraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft, "auto" or watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any aircraft, "auto" or watercraft that is owned or operated by or rented or loaned to any insured.

This exclusion does not apply to:

- (1)** A watercraft while ashore on premises you own or rent;
- (2)** A watercraft you do not own that is:
 - (a)** Less than 51 feet long; and
 - (b)** Not being used to carry persons for a charge;
- (3)** Parking an "auto" on, or on the ways next to, premises you own or rent, provided the "auto" is not owned by or rented or loaned to you or the insured;
- (4)** Liability assumed under any "insured contract" for the ownership, maintenance or use of aircraft or watercraft;
- (5)** "Bodily injury" or "property damage" arising out of:
 - (a)** The operation of machinery or equipment that is attached to, or part of, a land vehicle that would qualify under the definition of "mobile equipment" if it were not subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged; or
 - (b)** The operation of any of the machinery or equipment listed in Paragraph **f.(2)** or **f.(3)** of the definition of "mobile equipment"; or
- (6)** An aircraft that is not owned by any insured and is hired, chartered or loaned with a paid crew. However, this exception does not apply if the insured has any other insurance for such "bodily injury" or "property damage", whether the other insurance is primary, excess, contingent or on any other basis.

h. Mobile Equipment

"Bodily injury" or "property damage" arising out of:

- (1)** The transportation of "mobile equipment" by an "auto" owned or operated by or rented or loaned to any insured; or
- (2)** The use of "mobile equipment" in, or while in practice for, or while being prepared for, any prearranged racing, speed, demolition, or stunting activity.

i. War

"Bodily injury" or "property damage", however caused, arising, directly or indirectly, out of:

- (1)** War, including undeclared or civil war;
- (2)** Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3)** Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

j. Damage To Property

"Property damage" to:

- (1)** Property you own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;

- (2) Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises;
- (3) Property loaned to you;
- (4) Personal property in the care, custody or control of the insured;
- (5) That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations, if the "property damage" arises out of those operations; or
- (6) That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it.

Paragraphs (1), (3) and (4) of this exclusion do not apply to "property damage" (other than damage by fire) to premises, including the contents of such premises, rented to you for a period of seven or fewer consecutive days. A separate limit of insurance applies to Damage To Premises Rented To You as described in Section III - Limits Of Insurance.

Paragraph (2) of this exclusion does not apply if the premises are "your work" and were never occupied, rented or held for rental by you.

Paragraphs (3) and (4) of this exclusion do not apply to "property damage" arising from the use of elevators.

Paragraphs (3), (4), (5) and (6) of this exclusion do not apply to liability assumed under a sidetrack agreement.

Paragraphs (3) and (4) of this exclusion do not apply to "property damage" to borrowed equipment while not being used to perform operations at the job site.

Paragraph (6) of this exclusion does not apply to "property damage" included in the "products-completed operations hazard".

k. Damage To Your Product

"Property damage" to "your product" arising out of it or any part of it.

l. Damage To Your Work

"Property damage" to "your work" arising out of it or any part of it and included in the "products-completed operations hazard".

This exclusion does not apply if the damaged work or the work out of which the damage arises was performed on your behalf by a subcontractor.

m. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

- (1) A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or
- (2) A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "your product" or "your work" after it has been put to its intended use.

n. Recall Of Products, Work Or Impaired Property

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- (1) "Your product";
- (2) "Your work"; or
- (3) "Impaired property";

if such product, work, or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

o. Personal And Advertising Injury

"Bodily injury" arising out of "personal and advertising injury".

p. Access or Disclosure Of Confidential Or Personal Information And Data-related Liability

Damages arising out of:

- (1) Any access to or disclosure of any person's or organization's confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information; or
- (2) The loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate electronic data.

This exclusion applies even if damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of that which is described in Paragraph (1) or (2) above.

However, unless Paragraph (1) above applies, this exclusion does not apply to damages because of "bodily injury".

As used in this exclusion, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

q. Employment-Related Practices

"Bodily injury" to:

- (1) A person arising out of any "employment-related practices"; or
- (2) The spouse, child, parent, brother or sister of that person as a consequence of "bodily injury" to that person at whom any "employment-related practices" are directed.

This exclusion applies:

- (1) Whether the injury-causing event described in the definition of "employment-related practices" occurs before employment, during employment or after employment of that person;
- (2) Whether the insured may be liable as an employer or in any other capacity; and
- (3) To any obligation to share damages with or repay someone else who must pay damages because of the injury.

r. Asbestos

- (1) "Bodily injury" or "property damage" arising out of the "asbestos hazard".
- (2) Any damages, judgments, settlements, loss, costs or expenses that:
 - (a) May be awarded or incurred by reason of any claim or suit alleging actual or threatened injury or damage of any nature or kind to persons or property which would not have occurred in whole or in part but for the "asbestos hazard";
 - (b) Arise out of any request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, encapsulate, contain, treat, detoxify or neutralize or in any way respond to or assess the effects of an "asbestos hazard"; or
 - (c) Arise out of any claim or suit for damages because of testing for, monitoring, cleaning up, removing, encapsulating, containing, treating, detoxifying or neutralizing or in any way responding to or assessing the effects of an "asbestos hazard".

s. Recording And Distribution Of Material Or Information In Violation Of Law

"Bodily injury" or "property damage" arising directly or indirectly out of any action or omission that violates or is alleged to violate:

- (1) The Telephone Consumer Protection Act (TCPA), including any amendment of or addition to such law;
- (2) The CAN-SPAM Act of 2003, including any amendment of or addition to such law;
- (3) The Fair Credit Reporting Act (FCRA), and any amendment of or addition to such law, including the Fair and Accurate Credit Transaction Act (FACTA); or
- (4) Any federal, state or local statute, ordinance or regulation, other than the TCPA or CAN-SPAM Act of 2003 or FCRA and their amendments and additions, that addresses, prohibits or limits the printing, dissemination, disposal, collecting, recording, sending, transmitting, communicating or distribution of material or information.

Damage To Premises Rented To You - Exception For Damage By Fire, Lightning Or Explosion

Exclusions c. through h. and j. through n. do not apply to damage by fire, lightning or explosion to premises while rented to you or temporarily occupied by you with permission of the owner. A separate limit of insurance applies to this coverage as described in Section III - Limits Of Insurance.

COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY

1. Insuring Agreement

- a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "personal and advertising injury" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "personal and advertising injury" to which this insurance does not apply. We may, at our discretion, investigate any offense and settle any claim or "suit" that may result. But:

- (1) The amount we will pay for damages is limited as described in Section III - Limits Of Insurance; and
- (2) Our right and duty to defend end when we have used up the applicable limit of insurance in the payment of judgments or settlements under Coverages **A** or **B** or medical expenses under Coverage **C**.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments - Coverages **A** and **B**.

- b. This insurance applies to "personal and advertising injury" caused by an offense arising out of your business but only if the offense was committed in the "coverage territory" during the policy period.

2. Exclusions

This insurance does not apply to:

a. **Knowing Violation Of Rights Of Another**

"Personal and advertising injury" arising out of an offense committed by, at the direction or with the consent or acquiescence of the insured with the expectation of inflicting "personal and advertising injury".

b. **Material Published With Knowledge Of Falsity**

"Personal and advertising injury" arising out of oral, written or electronic publication, in any manner, of material, if done by or at the direction of the insured with knowledge of its falsity.

c. **Material Published Prior To Policy Period**

"Personal and advertising injury" arising out of oral, written or electronic publication, in any manner, of material whose first publication took place before the beginning of the policy period.

d. **Criminal Acts**

"Personal and advertising injury" arising out of a criminal act committed by or at the direction of the insured.

e. **Contractual Liability**

"Personal and advertising injury" for which the insured has assumed liability in a contract or agreement. This exclusion does not apply to liability for damages that the insured would have in the absence of the contract or agreement.

f. **Breach Of Contract**

"Personal and advertising injury" arising out of a breach of contract, except an implied contract to use another's "advertising idea" in your "advertisement".

g. **Quality Or Performance Of Goods - Failure To Conform To Statements**

"Personal and advertising injury" arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement".

h. **Wrong Description Of Prices**

"Personal and advertising injury" arising out of the wrong description of the price of goods, products or services.

i. **Infringement Of Intellectual Property Rights**

(1) "Personal and advertising injury" arising out of any actual or alleged infringement or violation of any intellectual property rights such as copyright, patent, trademark, trade name, trade secret, trade dress, service mark or other designation of origin or authenticity; or

(2) Any injury or damage alleged in any claim or "suit" that also alleges an infringement or violation of any intellectual property right, whether such allegation of infringement or violation is made by you or by any other party involved in the claim or "suit", regardless of whether this insurance would otherwise apply.

However, this exclusion does not apply if the only allegation in the claim or "suit" involving any intellectual property right is limited to:

(1) Infringement, in your "advertisement", of:

(a) Copyright;

(b) Slogan; or

(c) Title of any literary or artistic work; or

(2) Copying, in your "advertisement", a person's or organization's "advertising idea" or style of "advertisement".

j. **Insureds In Media And Internet Type Businesses**

"Personal and advertising injury" committed by an insured whose business is:

(1) Advertising, broadcasting, publishing or telecasting;

(2) Designing or determining content of web sites for others; or

(3) An Internet search, access, content or service provider.

However, this exclusion does not apply to Paragraphs **a.**, **b.** and **c.** of the definition of "personal and advertising injury" under the Definitions Section.

For the purposes of this exclusion, the placing of frames, borders or links, or advertising, for you or others anywhere on the Internet, is not by itself, considered the business of advertising, broadcasting, publishing or telecasting.

k. Electronic Chatrooms Or Bulletin Boards

"Personal and advertising injury" arising out of an electronic chatroom or bulletin board the insured hosts, owns, or over which the insured exercises control.

l. Unauthorized Use Of Another's Name Or Product

"Personal and advertising injury" arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatags, or any other similar tactics to mislead another's potential customers.

m. Pollution

"Personal and advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at any time.

n. Pollution-Related

Any loss, cost or expense arising out of any:

- (1) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
- (2) Claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

o. War

"Personal and advertising injury", however caused, arising, directly or indirectly, out of:

- (1) War, including undeclared or civil war;
- (2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

p. Internet Advertisements And Content Of Others

"Personal and advertising injury" arising out of:

- (1) An "advertisement" for others on your web site;
- (2) Placing a link to a web site of others on your web site;
- (3) Content, including information, sounds, text, graphics, or images from a web site of others displayed within a frame or border on your web site; or
- (4) Computer code, software or programming used to enable:
 - (a) Your web site; or
 - (b) The presentation or functionality of an "advertisement" or other content on your web site.

q. Right Of Privacy Created By Statute

"Personal and advertising injury" arising out of the violation of a person's right of privacy created by any state or federal act.

However, this exclusion does not apply to liability for damages that the insured would have in the absence of such state or federal act.

r. Violation Of Anti-Trust law

"Personal and advertising injury" arising out of a violation of any anti-trust law.

s. Securities

"Personal and advertising injury" arising out of the fluctuation in price or value of any stocks, bonds or other securities.

t. Recording And Distribution Of Material Or Information In Violation Of Law

"Personal and advertising injury" arising directly or indirectly out of any action or omission that violates or is alleged to violate:

- (1) The Telephone Consumer Protection Act (TCPA), including any amendment of or addition to such law;
- (2) The CAN-SPAM Act of 2003, including any amendment of or addition to such law;
- (3) The Fair Credit Reporting Act (FCRA), and any amendment of or addition to such law, including the Fair and Accurate Credit Transaction Act (FACTA); or
- (4) Any federal, state or local statute, ordinance or regulation, other than the TCPA or CAN-SPAM Act of 2003 or FCRA and their amendments and additions, that addresses, prohibits or limits the printing, dissemination, disposal, collecting, recording, sending, transmitting, communicating or distribution of material or information.

u. Employment-Related Practices

"Personal and advertising injury" to:

- (1) A person arising out of any "employment-related practices"; or
- (2) The spouse, child, parent, brother or sister of that person as a consequence of "personal and advertising injury" to that person at whom any "employment-related practices" are directed.

This exclusion applies:

- (1) Whether the injury-causing event described in the definition of "employment-related practices" occurs before employment, during employment or after employment of that person;
- (2) Whether the insured may be liable as an employer or in any other capacity; and
- (3) To any obligation to share damages with or repay someone else who must pay damages because of the injury.

v. Asbestos

- (1) "Personal and advertising injury" arising out of the "asbestos hazard".
- (2) Any damages, judgments, settlements, loss, costs or expenses that:
 - (a) May be awarded or incurred by reason of any claim or suit alleging actual or threatened injury or damage of any nature or kind to persons or property which would not have occurred in whole or in part but for the "asbestos hazard";
 - (b) Arise out of any request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, encapsulate, contain, treat, detoxify or neutralize or in any way respond to or assess the effects of an "asbestos hazard"; or
 - (c) Arise out of any claim or suit for damages because of testing for, monitoring, cleaning up, removing, encapsulating, containing, treating, detoxifying or neutralizing or in any way responding to or assessing the effects of an "asbestos hazard".

w. Access Or Disclosure Of Confidential Or Personal Information

"Personal and advertising injury" arising out of any access to or disclosure of any person's or organization's confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information.

This exclusion applies even if damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of any access to or disclosure of any person's or organization's confidential or personal information.

COVERAGE C MEDICAL PAYMENTS

1. Insuring Agreement

- a. We will pay medical expenses as described below for "bodily injury" caused by an accident:
 - (1) On premises you own or rent;
 - (2) On ways next to premises you own or rent; or
 - (3) Because of your operations;
 provided that:
 - (1) The accident takes place in the "coverage territory" and during the policy period;
 - (2) The expenses are incurred and reported to us within three years of the date of the accident; and
 - (3) The injured person submits to examination, at our expense, by physicians of our choice as often as we reasonably require.
- b. We will make these payments regardless of fault. These payments will not exceed the applicable limit of insurance. We will pay reasonable expenses for:
 - (1) First aid administered at the time of an accident;
 - (2) Necessary medical, surgical, X-ray and dental services, including prosthetic devices; and

(3) Necessary ambulance, hospital, professional nursing and funeral services.

2. Exclusions

We will not pay expenses for "bodily injury":

a. Any Insured

To any insured, except "volunteer workers".

b. Hired Person

To a person hired to do work for or on behalf of any insured or a tenant of any insured.

c. Injury On Normally Occupied Premises

To a person injured on that part of premises you own or rent that the person normally occupies.

d. Workers Compensation And Similar Laws

To a person, whether or not an "employee" of any insured, if benefits for the "bodily injury" are payable or must be provided under a workers' compensation or disability benefits law or a similar law.

e. Athletics Activities

To a person injured while practicing, instructing or participating in any physical exercises or games, sports, or athletic contests.

f. Products-Completed Operations Hazard

Included within the "products-completed operations hazard".

g. Coverage A Exclusions

Excluded under Coverage A.

SUPPLEMENTARY PAYMENTS - COVERAGES A AND B

1. We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:

- a. All expenses we incur.
- b. Up to \$1,000 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these bonds.
- c. The cost of appeal bonds or bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
- d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$500 a day because of time off from work.
- e. All court costs taxed against the insured in the "suit". However, such costs do not include attorneys' fees, attorneys' expenses, witness or expert fees, or any other expenses of a party taxed to the insured.
- f. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
- g. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.

These payments will not reduce the limits of insurance.

2. If we defend an insured against a "suit" and an indemnitee of the insured is also named as a party to the "suit", we will defend that indemnitee if all of the following conditions are met:

- a. The "suit" against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an "insured contract";
- b. This insurance applies to such liability assumed by the insured;
- c. The obligation to defend, or the cost of the defense of, that indemnitee, has also been assumed by the insured in the same "insured contract";
- d. The allegations in the "suit" and the information we know about the "occurrence" are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;
- e. The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such "suit" and agree that we can assign the same counsel to defend the insured and the indemnitee; and
- f. The indemnitee:

(1) Agrees in writing to:

- (a) Cooperate with us in the investigation, settlement or defense of the "suit";

- (b) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the "suit";
 - (c) Notify any other insurer whose coverage is available to the indemnitee; and
 - (d) Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and
- (2) Provides us with written authorization to:
- (a) Obtain records and other information related to the "suit"; and
 - (b) Conduct and control the defense of the indemnitee in such "suit".

So long as the above conditions are met, attorneys' fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Notwithstanding the provisions of Paragraph **2.b.(2)** of Section **I - Coverage A - Bodily Injury And Property Damage Liability**, such payments will not be deemed to be damages for "bodily injury" and "property damage" and will not reduce the limits of insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when:

- a. We have used up the applicable limit of insurance in the payment of judgments or settlements; or
- b. The conditions set forth above, or the terms of the agreement described in Paragraph f. above, are no longer met.

SECTION II - WHO IS AN INSURED

1. If you are designated in the Declarations as:
 - a. An individual, you and your spouse are insureds, but only with respect to the conduct of a business of which you are the sole owner.
 - b. A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to the conduct of your business.
 - c. A limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers.
 - d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.
 - e. A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.
2. Each of the following is also an insured:

a. Employees And Volunteer Workers

Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "executive officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business.

However, none of these "employees" or "volunteer workers" are insureds for:

- (1) "Bodily injury" or "personal and advertising injury":
 - (a) To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer workers" while performing duties related to the conduct of your business;
 - (b) To the spouse, child, parent, brother or sister of that co-"employee" or that "volunteer worker" as a consequence of Paragraph (1)(a) above;
 - (c) For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraphs (1)(a) or (1)(b) above; or
 - (d) Arising out of his or her providing or failing to provide professional health care services.
- If you are not in the business of providing professional health care services:
- (a) Subparagraphs (1)(a), (1)(b) and (1)(c) above do not apply to any "employee" or "volunteer worker" providing first aid services; and
 - (b) Subparagraph (1)(d) above does not apply to any nurse, emergency medical technician or paramedic employed by you to provide such services.

(2) "Property damage" to property:

- (a) Owned, occupied or used by,

(b) Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by

you, any of your "employees", "volunteer workers", any partner or member (if you are a partnership or joint venture), or any member (if you are a limited liability company).

b. Real Estate Manager

Any person (other than your "employee" or "volunteer worker"), or any organization while acting as your real estate manager.

c. Temporary Custodians Of Your Property

Any person or organization having proper temporary custody of your property if you die, but only:

- (1) With respect to liability arising out of the maintenance or use of that property; and
- (2) Until your legal representative has been appointed.

d. Legal Representative If You Die

Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this Coverage Part.

e. Unnamed Subsidiary

Any subsidiary, and subsidiary thereof, of yours which is a legally incorporated entity of which you own a financial interest of more than 50% of the voting stock on the effective date of the Coverage Part.

The insurance afforded herein for any subsidiary not named in this Coverage Part as a named insured does not apply to injury or damage with respect to which such insured is also a named insured under another policy or would be a named insured under such policy but for its termination or the exhaustion of its limits of insurance.

3. Newly Acquired Or Formed Organization

Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and over which you maintain financial interest of more than 50% of the voting stock, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

- a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier;
- b. Coverage **A** does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization; and
- c. Coverage **B** does not apply to "personal and advertising injury" arising out of an offense committed before you acquired or formed the organization.

4. Nonowned Watercraft

With respect to watercraft you do not own that is less than 51 feet long and is not being used to carry persons for a charge, any person is an insured while operating such watercraft with your permission. Any other person or organization responsible for the conduct of such person is also an insured, but only with respect to liability arising out of the operation of the watercraft, and only if no other insurance of any kind is available to that person or organization for this liability.

However, no person or organization is an insured with respect to:

- a. "Bodily injury" to a co-"employee" of the person operating the watercraft; or
- b. "Property damage" to property owned by, rented to, in the charge of or occupied by you or the employer of any person who is an insured under this provision.

5. Additional Insureds When Required By Written Contract, Written Agreement Or Permit

The following person(s) or organization(s) are an additional insured when you have agreed, in a written contract, written agreement or because of a permit issued by a state or political subdivision, that such person or organization be added as an additional insured on your policy, provided the injury or damage occurs subsequent to the execution of the contract or agreement.

A person or organization is an additional insured under this provision only for that period of time required by the contract or agreement.

However, no such person or organization is an insured under this provision if such person or organization is included as an insured by an endorsement issued by us and made a part of this Coverage Part.

a. Vendors

Any person(s) or organization(s) (referred to below as vendor), but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business

and only if this Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

(1) The insurance afforded the vendor is subject to the following additional exclusions:

This insurance does not apply to:

- (a) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;
- (b) Any express warranty unauthorized by you;
- (c) Any physical or chemical change in the product made intentionally by the vendor;
- (d) Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
- (e) Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
- (f) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
- (g) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or
- (h) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:
 - (i) The exceptions contained in Sub-paragraphs (d) or (f); or
 - (ii) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.

(2) This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.

b. Lessors Of Equipment

- (1) Any person(s) or organization(s) from whom you lease equipment; but only with respect to their liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person(s) or organization(s).
- (2) With respect to the insurance afforded to these additional insureds this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.

c. Lessors Of Land Or Premises

Any person or organization from whom you lease land or premises, but only with respect to liability arising out of the ownership, maintenance or use of that part of the land or premises leased to you.

With respect to the insurance afforded these additional insureds the following additional exclusions apply:

This insurance does not apply to:

- 1. Any "occurrence" which takes place after you cease to lease that land; or
- 2. Structural alterations, new construction or demolition operations performed by or on behalf of such person or organization.

d. Architects, Engineers Or Surveyors

Any architect, engineer, or surveyor, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- (1) In connection with your premises; or
- (2) In the performance of your ongoing operations performed by you or on your behalf.

With respect to the insurance afforded these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or the failure to render any professional services by or for you, including:

- 1. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

2. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional services by or for you.

e. Permits Issued By State Or Political Subdivisions

Any state or political subdivision, but only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.

With respect to the insurance afforded these additional insureds, this insurance does not apply to:

- (1) "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
- (2) "Bodily injury" or "property damage" included within the "products-completed operations hazard".

f. Any Other Party

Any other person or organization who is not an additional insured under Paragraphs a. through e. above, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- (1) In the performance of your ongoing operations;
- (2) In connection with your premises owned by or rented to you; or
- (3) In connection with "your work" and included within the "products-completed operations hazard", but only if
 - (a) The written contract or agreement requires you to provide such coverage to such additional insured; and
 - (b) This Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

However:

- (1) The insurance afforded to such additional insured only applies to the extent permitted by law; and
- (2) If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

With respect to the insurance afforded to these additional insureds, this insurance does not apply to:

"Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

- (1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- (2) Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional services by or for you.

The limits of insurance that apply to additional insureds is described in Section III - Limits Of Insurance.

How this insurance applies when other insurance is available to the additional insured is described in the Other Insurance Condition in Section IV - Commercial General Liability Conditions.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III - LIMITS OF INSURANCE

1. The Most We Will Pay

The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

- a. Insureds;
- b. Claims made or "suits" brought; or
- c. Persons or organizations making claims or bringing "suits".

2. General Aggregate Limit

The General Aggregate Limit is the most we will pay for the sum of:

- a. Medical expenses under Coverage C;

- b. Damages under Coverage **A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard"; and
- c. Damages under Coverage **B**.

3. Products-Completed Operations Aggregate Limit

The Products-Completed Operations Aggregate Limit is the most we will pay under Coverage **A** for damages because of "bodily injury" and "property damage" included in the "products-completed operations hazard".

4. Personal And Advertising Injury Limit

Subject to **2.** above, the Personal and Advertising Injury Limit is the most we will pay under Coverage **B** for the sum of all damages because of all "personal and advertising injury" sustained by any one person or organization.

5. Each Occurrence Limit

Subject to **2.** or **3.** above, whichever applies, the Each Occurrence Limit is the most we will pay for the sum of:

- a. Damages under Coverage **A**; and
- b. Medical expenses under Coverage **C**

because of all "bodily injury" and "property damage" arising out of any one "occurrence".

6. Damage To Premises Rented To You Limit

Subject to **5.** above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage **A** for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning or explosion, while rented to you or temporarily occupied by you with permission of the owner.

In the case of damage by fire, lightning or explosion, the Damage to Premises Rented To You Limit applies to all damage proximately caused by the same event, whether such damage results from fire, lightning or explosion or any combination of these.

7. Medical Expense Limit

Subject to **5.** above, the Medical Expense Limit is the most we will pay under Coverage **C** for all medical expenses because of "bodily injury" sustained by any one person.

8. How Limits Apply To Additional Insureds

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

- a. The limits of insurance specified in the written contract or written agreement; or
- b. The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS

1. Bankruptcy

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

2. Duties In The Event Of Occurrence, Offense, Claim Or Suit

a. Notice Of Occurrence Or Offense

You or any additional insured must see to it that we are notified as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, notice should include:

- (1) How, when and where the "occurrence" or offense took place;
- (2) The names and addresses of any injured persons and witnesses; and
- (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.

b. Notice Of Claim

If a claim is made or "suit" is brought against any insured, you or any additional insured must:

- (1) Immediately record the specifics of the claim or "suit" and the date received; and
- (2) Notify us as soon as practicable.

You or any additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. Assistance And Cooperation Of The Insured

You and any other involved insured must:

- (1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
- (2) Authorize us to obtain records and other information;
- (3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and
- (4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

d. Obligations At The Insureds Own Cost

No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

e. Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

f. Knowledge Of An Occurrence, Offense, Claim Or Suit

Paragraphs **a.** and **b.** apply to you or to any additional insured only when such "occurrence", offense, claim or "suit" is known to:

- (1) You or any additional insured that is an individual;
- (2) Any partner, if you or the additional insured is a partnership;
- (3) Any manager, if you or the additional insured is a limited liability company;
- (4) Any "executive officer" or insurance manager, if you or the additional insured is a corporation;
- (5) Any trustee, if you or the additional insured is a trust; or
- (6) Any elected or appointed official, if you or the additional insured is a political subdivision or public entity.

This duty applies separately to you and any additional insured.

3. Legal Action Against Us

No person or organization has a right under this Coverage Part:

- a.** To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
- b.** To sue us on this Coverage Part unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this Coverage Part or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

4. Other Insurance

If other valid and collectible insurance is available to the insured for a loss we cover under Coverages **A** or **B** of this Coverage Part, our obligations are limited as follows:

a. Primary Insurance

This insurance is primary except when **b.** below applies. If other insurance is also primary, we will share with all that other insurance by the method described in **c.** below.

b. Excess Insurance

This insurance is excess over any of the other insurance, whether primary, excess, contingent or on any other basis:

(1) Your Work

That is Fire, Extended Coverage, Builder's Risk, Installation Risk or similar coverage for "your work";

(2) Premises Rented To You

That is fire, lightning or explosion insurance for premises rented to you or temporarily occupied by you with permission of the owner;

(3) Tenant Liability

That is insurance purchased by you to cover your liability as a tenant for "property damage" to premises rented to you or temporarily occupied by you with permission of the owner;

(4) Aircraft, Auto Or Watercraft

If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to Exclusion g. of Section I - Coverage A - Bodily Injury And Property Damage Liability;

(5) Property Damage To Borrowed Equipment Or Use Of Elevators

If the loss arises out of "property damage" to borrowed equipment or the use of elevators to the extent not subject to Exclusion j. of Section I - Coverage A - Bodily Injury And Property Damage Liability;

(6) When You Are Added As An Additional Insured To Other Insurance

Any other insurance available to you covering liability for damages arising out of the premises or operations, or products and completed operations, for which you have been added as an additional insured by that insurance; or

(7) When You Add Others As An Additional Insured To This Insurance

Any other insurance available to an additional insured.

However, the following provisions apply to other insurance available to any person or organization who is an additional insured under this coverage part.

(a) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in c. below.

(b) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract, written agreement, or permit that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (a) and (b) do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty under Coverages A or B to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
- (2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

5. Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.

- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

a. When You Accept This Policy

By accepting this policy, you agree:

- (1) The statements in the Declarations are accurate and complete;
- (2) Those statements are based upon representations you made to us; and
- (3) We have issued this policy in reliance upon your representations.

b. Unintentional Failure To Disclose Hazards

If unintentionally you should fail to disclose all hazards relating to the conduct of your business that exist at the inception date of this Coverage Part, we shall not deny coverage under this Coverage Part because of such failure.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

a. Transfer Of Rights Of Recovery

If the insured has rights to recover all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

b. Waiver Of Rights Of Recovery (Waiver Of Subrogation)

If the insured has waived any rights of recovery against any person or organization for all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, we also waive that right, provided the insured waived their rights of recovery against such person or organization in a contract, agreement or permit that was executed prior to the injury or damage.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V - DEFINITIONS

- 1. **"Advertisement"** means the widespread public dissemination of information or images that has the purpose of inducing the sale of goods, products or services through:

- a. (1) Radio;
- (2) Television;
- (3) Billboard;
- (4) Magazine;
- (5) Newspaper; or
- b. Any other publication that is given widespread public distribution.

However, "advertisement" does not include:

- a. The design, printed material, information or images contained in, on or upon the packaging or labeling of any goods or products; or
- b. An interactive conversation between or among persons through a computer network.

- 2. **"Advertising idea"** means any idea for an "advertisement".

- 3. **"Asbestos hazard"** means an exposure or threat of exposure to the actual or alleged properties of asbestos and includes the mere presence of asbestos in any form.

- 4. **"Auto"** means:

- a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or

- b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".

5. "Bodily injury" means physical:

- a. Injury;
- b. Sickness; or
- c. Disease

sustained by a person and, if arising out of the above, mental anguish or death at any time.

6. "Coverage territory" means:

- a. The United States of America (including its territories and possessions), Puerto Rico and Canada;
- b. International waters or airspace, but only if the injury or damage occurs in the course of travel or transportation between any places included in a. above; or
- c. All other parts of the world if the injury or damage arises out of:
 - (1) Goods or products made or sold by you in the territory described in a. above;
 - (2) The activities of a person whose home is in the territory described in a. above, but is away for a short time on your business; or
 - (3) "Personal and advertising injury" offenses that take place through the Internet or similar electronic means of communication

provided the insured's responsibility to pay damages is determined in the United States of America (including its territories and possessions), Puerto Rico or Canada, in a "suit" on the merits according to the substantive law in such territory or in a settlement we agree to.

7. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".

8. "Employment-Related Practices" means:

- a. Refusal to employ that person;
- b. Termination of that person's employment; or
- c. Employment-related practices, policies, acts or omissions, such as coercion, demotion, evaluation, reassignment, discipline, defamation, harassment, humiliation, discrimination or malicious prosecution directed at that person.

9. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any other similar governing document.

10. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.

11. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:

- a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or
- b. You have failed to fulfill the terms of a contract or agreement;

if such property can be restored to use by the repair, replacement, adjustment or removal of "your product" or "your work", or your fulfilling the terms of the contract or agreement.

12. "Insured contract" means:

- a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire, lightning or explosion to premises while rented to you or temporarily occupied by you with permission of the owner is subject to the Damage to Premises Rented To You Limit described in Section III - Limits of Insurance;
- b. A sidetrack agreement;
- c. Any easement or license agreement, including an easement or license agreement in connection with construction or demolition operations on or within 50 feet of a railroad;
- d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
- e. An elevator maintenance agreement;
- f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization, provided the "bodily

injury" or "property damage" is caused, in whole or in part, by you or by those acting on your behalf. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph **f.** includes that part of any contract or agreement that indemnifies a railroad for "bodily injury" or "property damage" arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing.

However, Paragraph **f.** does not include that part of any contract or agreement:

- (1) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a) Preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - (b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or
- (2) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in (1) above and supervisory, inspection, architectural or engineering activities.

13. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".

14. "Loading or unloading" means the handling of property:

- a. After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";
 - b. While it is in or on an aircraft, watercraft or "auto"; or
 - c. While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;
- but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".

15. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:

- a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
- b. Vehicles maintained for use solely on or next to premises you own or rent;
- c. Vehicles that travel on crawler treads;
- d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers;
- e. Vehicles not described in **a.**, **b.**, **c.** or **d.** above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or
 - (2) Cherry pickers and similar devices used to raise or lower workers;
- f. Vehicles not described in **a.**, **b.**, **c.** or **d.** above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include any land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged. Land vehicles subject to a compulsory or financial responsibility law or other motor vehicle insurance law are considered "autos".

- 16. "Occurrence"** means an accident, including continuous or repeated exposure to substantially the same general harmful conditions.
- 17. "Personal and advertising injury"** means injury, including consequential "bodily injury", arising out of one or more of the following offenses:
- False arrest, detention or imprisonment;
 - Malicious prosecution;
 - The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person or organization occupies, committed by or on behalf of its owner, landlord or lessor;
 - Oral, written or electronic publication, in any manner, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services;
 - Oral, written or electronic publication, in any manner, of material that violates a person's right of privacy;
 - Copying, in your "advertisement", a person's or organization's "advertising idea" or style of "advertisement"; or
 - Infringement of copyright, slogan, or title of any literary or artistic work, in your "advertisement".
- 18. "Pollutants"** mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.
- 19. "Products-completed operations hazard":**
- Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:
 - Products that are still in your physical possession; or
 - Work that has not yet been completed or abandoned. However, "your work" will be deemed completed at the earliest of the following times:
 - When all of the work called for in your contract has been completed.
 - When all of the work to be done at the job site has been completed if your contract calls for work at more than one job site.
 - When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.
 Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.
 - Does not include "bodily injury" or "property damage" arising out of:
 - The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition was created by the "loading or unloading" of that vehicle by any insured;
 - The existence of tools, uninstalled equipment or abandoned or unused materials; or
 - Products or operations for which the classification, listed in the Declarations or in a policy Schedule, states that products-completed operations are subject to the General Aggregate Limit.
- 20. "Property damage"** means:
- Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it; or
 - Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it.
- As used in this definition, computerized or electronically stored data, programs or software are not tangible property. Electronic data means information, facts or programs:
- Stored as or on;
 - Created or used on; or
 - Transmitted to or from;
- computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.
- 21. "Suit"** means a civil proceeding in which damages because of "bodily injury", "property damage" or "personal and advertising injury" to which this insurance applies are alleged. "Suit" includes:
- An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or

- b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.

22. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.

23. "Volunteer worker" means a person who

- a. Is not your "employee";
- b. Donates his or her work;
- c. Acts at the direction of and within the scope of duties determined by you; and
- d. Is not paid a fee, salary or other compensation by you or anyone else for their work performed for you.

24. "Your product":

- a. Means:
 - (1) Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:
 - (a) You;
 - (b) Others trading under your name; or
 - (c) A person or organization whose business or assets you have acquired; and
 - (2) Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.
- b. Includes
 - (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your product"; and
 - (2) The providing of or failure to provide warnings or instructions.
- c. Does not include vending machines or other property rented to or located for the use of others but not sold.

25. "Your work":

- a. Means:
 - (1) Work or operations performed by you or on your behalf; and
 - (2) Materials, parts or equipment furnished in connection with such work or operations.
- b. Includes
 - (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work", and
 - (2) The providing of or failure to provide warnings or instructions.



POLICY PERIOD: 04/01/2026

TO

04/01/2027

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTORS BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

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1. ALIENATED PREMISES COVERAGE

Exclusion j. Damage To Property of Section I - Coverage A is amended as follows:

- a. The following exception to the exclusion is deleted:

Paragraph (2) of this exclusion does not apply if the premises are "your work" and were never occupied, rented or held for rental by you.

- b. This exception is replaced by the following:

Paragraph (2) of this exclusion does not apply if the premises are "your work".

2. DAMAGE TO YOUR WORK

A. Section I - Coverage A - Bodily Injury And Property Damage Liability, Paragraph 1. Insuring Agreement is amended to add the following:

- f. Damages because of "property damage" include damages the insured becomes legally obligated to pay because of "property damage" to "your work" or caused by "your work", and such "property damage" shall be deemed to be caused by an "occurrence", if not intended or expected from the standpoint

of the insured, regardless of whether the "property damage" arises from breach of contract.

- B. Exclusion I. Damage To Your Work of Section I - Coverage A** is replaced by the following:

I. Damage to Your Work

"Property damage" to that particular part of "your work" that must be restored, repaired or replaced because "your work" was incorrectly performed and included in the "products-completed operations hazard".

This exclusion does not apply if the damaged work or the work performed incorrectly was performed on your behalf by a subcontractor.

This Paragraph 2.B. does not apply if **Exclusion I. Damage To Your Work** has been otherwise modified by endorsement.

3. THAT PARTICULAR PART

This Paragraph 3. applies to **Exclusion j. Damage to Property**, subparagraphs (5), and (6), **Exclusion k. Damage to Your Product**, and **Exclusion I. Damage to Your Work**.

When performing operations as a "general contractor", the term that particular part shall not mean the entire construction, improvement or renovation project. For purposes of this provision, the term "general contractor" means the contractor signing the prime construction contract for a construction, erection, improvement or renovation project and that has main responsibility for such project including hiring all of the subcontractors and suppliers.

4. CONTRACTORS LIMITED PROFESSIONAL LIABILITY

The following exclusion is added to Paragraph 2., **Exclusions of Section I - Coverage A - Bodily Injury And Property Damage Liability**, and to Paragraph 2., **Exclusions of Section I - Coverage B - Personal And Advertising Injury Liability**:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or failure to render any professional services by you with respect to your providing engineering, architectural or surveying services in your capacity as an engineer, architect or surveyor.

Professional services include:

- (1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders, or drawings and specifications; and
- (2) Supervisory or inspection activities performed as a part of any related architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional services by you with respect to your providing engineering, architectural or surveying services in your capacity as an engineer, architect or surveyor.

This exclusion does not apply to your operations in connection with construction work performed by you or on your behalf.

However, this exception to the exclusion will not apply if you are in the business or profession of providing the professional services described above independent from the construction work performed by you or on your behalf.

In the event this insurance applies to any injury, damage, loss, cost or expense covered by Professional Liability insurance issued by a company unaffiliated with us, then the insurance

afforded under this Coverage Part is excess over such other valid and collectible Professional Liability insurance (including any deductible or self-insured retention portion thereof), and any other valid and collectible insurance available to the insured whether primary, excess, contingent or on any other basis.

5. PER PROJECT AND PER LOCATION GENERAL AGGREGATE LIMITS OF INSURANCE

A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **Section I - Coverage A**, and for all medical expenses caused by accidents under **Section I - Coverage C**, which can be attributed only to ongoing operations at a single "project" or a single "location";

1. A separate Per Project General Aggregate Limit or a separate Per Location General Aggregate Limit applies to each "project" or "location", whichever is applicable. The Per Project General Aggregate Limit and Per Location General Aggregate Limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
2. The Per Project General Aggregate Limit or the Per Location General Aggregate Limit, whichever applies, is the most we will pay for the sum of all damages under **Coverage A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under **Coverage C** regardless of the number of;
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
3. Any payments made under **Coverage A** for damages or under **Coverage C** for medical expenses shall reduce the Per Project General Aggregate Limit for that "project" or the Per Location General Aggregate for that "location", whichever applies. Such payments shall not reduce the General Aggregate Limit shown in the Declarations, the Per Project General Aggregate Limit for any other "project", or the Per Location General Aggregate Limit for any other "location".
4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of

being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Per Project General Aggregate Limit if attributable only to ongoing operations at a single "project" or the Per Location General Aggregate if attributable only to ongoing operations at a single "location".

- B.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **Section I - Coverage A** and for all medical expenses caused by accidents under **Section I - Coverage C**, which cannot be attributed only to ongoing operations at a single "project" or a single "location";

1. Any payments made under **Coverage A** for damages or under **Coverage C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
2. Such payments shall not reduce any Per Project General Aggregate Limit or any Per Location General Aggregate Limit.

- C.** When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit, or any Per Project General Aggregate Limit or any Per Location General Aggregate Limit.

- D.** The provisions of **Section III - Limits Of Insurance** not otherwise modified by this endorsement shall continue to apply as stipulated.

- E.** For the purposes of Paragraph 5., the following definitions apply:

"Project" means a premises an insured does not own or rent and where such insured performs construction-related operations. Each "project" involving the same or connecting lots, or premises whose connection is separated by a street, roadway, waterway, railroad or right-of-way shall be considered a single "project".

1. If a "project" has been abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the "project" shall be considered a single "project". "Project" does not include a premises that is a "location".

2. "Location" means a premises an insured owns or rents and where such insured performs business operations other than construction-related operations. Each "location" involving the same or connecting lots, or premises whose connection is separated by a street, roadway, waterway or right-of-way railroad shall be considered a single "location." "Location" does not include a premises that is a "project".

This provision does not apply if the Per Project and the Per Location General Aggregate Limit has been otherwise modified by endorsement.

6. MEDICAL PAYMENTS COVERAGE - INCLUDING PRODUCTS-COMPLETED OPERATIONS

Paragraph 1.a. of the **Insuring Agreement - Coverage C** is replaced by the following:

1. Insuring Agreement

- a. We will pay medical expenses as described below for "bodily injury" caused by an accident:

- (1) On premises you own or rent;
- (2) On ways next to premises you own or rent;
- (3) Because of your operations; or
- (4) Included within the definition of the "products-completed operations hazard;"

provided that:

- (1) The accident takes place in the "coverage territory" and during the policy period;
- (2) The expenses are incurred and reported to us within three years of the date of the accident; and
- (3) The injured person submits to examination, at our expense, by physicians of our choice as often as we reasonably require.

7. INJURY TO EMPLOYEE'S REPUTATION WITH RESPECT TO INCIDENTAL MEDICAL MALPRACTICE

- A.** The following is added to Paragraph 1.e. of the **Insuring Agreement - Coverage A**:

- (3) With respect to incidental medical malpractice, "bodily injury" includes damages claimed for injury to emotions or reputation of an "employee" arising out of the rendering or failure to render professional health care services as a physician, dentist, nurse, emergency medical technician or paramedic services.

B. The following exclusion is added to Coverage B - Personal and Advertising Injury:

"Personal and advertising injury arising out of the rendering or failure to render professional health care services as a physician, dentist, nurse, emergency medical technician or paramedic.

8. BODILY INJURY EMPLOYEE SUITS

A. "Bodily injury" as listed in Paragraph **2.a.(1)** of **Section II - Who Is An Insured**, does not apply to **2.a.(1)(a)** through **2.a.(1)(c)**.

B. Part **a.** of Paragraph **4. Nonowned Watercraft** in **Section II - Who Is An Insured** does not apply.

9. CONSOLIDATED INSURANCE (WRAP-UP) PROGRAMS

The following exclusion is added to **Section I Coverage A:**

This insurance does not apply to any "bodily injury" or "property damage" arising out of any "wrap project or premises" where an insured under this policy is or was also an insured under one or more commercial general liability (CGL) policies (including any umbrella or excess policies that include the commercial general liability policy(ies) as underlying insurance) included within a "consolidated insurance (wrap-up) program." This exclusion applies even if the limits of insurance for such "consolidated insurance (wrap-up) program" are exhausted or not collected for any reason, including bankruptcy or insolvency of the insurer providing coverage for the "consolidated insurance (wrap-up) program". This exclusion also applies if the CGL coverage afforded under the "consolidated insurance (wrap-up) program" is narrower in scope than the coverage provided by this policy.

This exclusion does not apply to:

A. Products-Completed Operations Hazard Exception

"Bodily injury" or "property damage" arising out of an "insured's operations" at or in connection with a "wrap project or premises" when such "bodily injury" or "property damage" commences after the "products-completed operations hazard" coverage or any completed operations extension coverage provided by the applicable "consolidated insurance (wrap-up) program" has ended or is no longer in effect.

B. Off-Site Location Exception

"Bodily injury" or "property damage" resulting from an "insured's operations" at or in connection with a "wrap project or premises" at a location to which the applicable "consolidated insurance (wrap-up) program" does not apply.

C. Repair Work And Punch List Work Exception

"Bodily injury" or "property damage" resulting from "repair work" or "punch list work" at a "wrap project or premises" but only when the applicable "consolidated insurance (wrap-up) program" does not apply or no longer applies to such "repair work" or "punch list work".

This exception does not apply to the cost of performing such "repair work" or "punch list work", or to the "repair work" or "punch list work" itself.

D. Additional Insured Extension

"Bodily injury" or "property damage" for which you are solely an additional insured under the "consolidated insurance (wrap-up) program".

The coverage provided under Paragraphs **9.A** through **9.D.** above is subject to all terms, conditions and exclusions of this policy.

For purposes of Paragraph **9**, the following definitions apply:

"Consolidated insurance (wrap-up) program" means any agreement or arrangement, including any contractor-controlled, owner-controlled, project-specific or similar insurance program under which one or more contractor(s) working on a specified project are insured under one or more commercial general liability (CGL) policies (including any umbrella or excess policies that include the commercial general liability policy(ies) as underlying insurance) issued by a specified carrier for injury or damage arising out of operations conducted in connection with or necessary or incidental to the project.

"Insured's operations" means all operations performed by a named insured (and not sub-contracted or performed by others on the insured's behalf).

"Punch list work" means the "insured's operations" at or in connection with a "wrap project or premises" in order to complete the work called for in an insured's contract for the "wrap project or premises".

"Repair work" means the "insured's operations" that are service, maintenance, correction, repair, replacement work, or periodic inspection performed by an insured at or in connection with a "wrap project or premises", in order to replace or repair an insured's completed work.

"Wrap project or premises" means any premises or construction, erection, improvement or renovation project subject to a "consolidated insurance (wrap-up) program".

10. ACCESS OR DISCLOSURE OF CONFIDENTIAL OR PERSONAL INFORMATION AND DATA-RELATED LIABILITY

A. Exclusion p. of Section I - Coverage A - Bodily Injury And Property Damage Liability is replaced by the following:

p. Access Or Disclosure Of Confidential Or Personal Information And Data-Related Liability

Damages arising out of:

- (1) Any access to or disclosure of any person's or organization's confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information; or
- (2) the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data" that does not result from physical injury to tangible property.

This exclusion applies even if damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of that which is described in Paragraph (1) or (2) above.

However, unless Paragraph (1) above applies, this exclusion does not apply to liability for damages because of "bodily injury".

B. Exclusion w. of Section 1 - Coverage B - Personal and Advertising Injury is replaced by the following: :

w. Access Or Disclosure Of Confidential Or Personal Information

"Personal and advertising injury" arising out of any access to or disclosure of any person's or organization's confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information.

This exclusion applies even if damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of any access to or disclosure of any person's or organization's confidential or personal information.

C. The following Paragraph is added to Section III - Limits Of Insurance:

Subject to Paragraph 5. **Each Occurrence Limit**, the most we will pay under **Coverage A** for "property damage" because of all loss of "electronic data" arising out of any one "occurrence" is \$100,000, unless modified by endorsement.

D. The following definition is added to Section V - Definitions:

"Electronic data" means information, facts or programs:

- a. Stored as or on;
 - b. Created or used on; or
 - c. Transmitted to or from;
- computer software, (including systems and applications software) hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

E. For the purposes of the coverage provided by this provision, the definition of "property damage" in Section V - Definitions is replaced by the following:

"Property damage" means:

- a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it;
- b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it; or
- c. Loss of, loss of use of, damage to, corruption of, inability to access, or inability to properly manipulate "electronic data", resulting from physical injury to tangible property. All such loss of "electronic data" shall be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, "electronic data" is not tangible property.

11. SUPPLEMENTARY PAYMENTS

In the **Supplementary Payments - Coverages A and B** provision:

The limit for the cost of bail bonds is increased to \$2,500.

12. TWO OR MORE COVERAGE PARTS OR POLICIES ISSUED BY US

If this policy and any other policy issued to an insured by us or any affiliated company provides coverage that applies to the same claim or damages, the maximum applicable limit(s) of liability or limit of insurance under all the policies will not exceed the highest applicable limit of liability or limit of insurance under any one policy. This condition does not apply to any policy issued by us or an affiliated company specifically written to apply as excess insurance over this policy.

13. NOTICE OF CANCELLATION TO CERTIFICATE HOLDER(S)

This policy is subject to the following additional Conditions:

- A. If this policy is cancelled by the Company, other than for nonpayment of premium, notice of such cancellation will be provided at least thirty (30) days in advance of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.
- B. If this policy is cancelled by the Company for nonpayment of premium, or by the insured, notice of such cancellation will be provided within (10) days of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.

If notice is mailed, proof of mailing to the last known mailing address of the certificate holder(s) on file with the agent of record or the Company will be sufficient proof of notice.

Any notification rights provided by this endorsement apply only to active certificate holder(s) who were issued a certificate of insurance applicable to this policy's term.

Failure to provide such notice to the certificate holder(s) will not amend or extend the date the cancellation becomes effective, nor will it negate cancellation of the policy. Failure to send notice shall impose no liability of any kind upon the Company or its agents or representatives.

14. CONTRACTUAL LIABILITY COVERAGE FOR PERSONAL AND ADVERTISING INJURY

Exclusion e. of SECTION I - COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY is replaced by the following:

This insurance does not apply to:

e. Contractual Liability

"Personal and advertising injury" for which the insured has assumed liability in a contract or agreement. This exclusion does not apply to liability for damages:

- (1) That the insured would have in the absence of the contract or agreement; or

- (2) Assumed in a contract or agreement that is an "insured contract", provided the "personal and advertising injury" occurs subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed in an "insured contract", reasonable attorney fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "personal and advertising injury", provided:

- (a) Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and
- (b) Such attorney fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

15. INSURED CONTRACT DEFINITION

a. INSURED CONTRACT-CONSTRUCTION OPERATIONS AND MUNICIPAL WORK

Paragraph d. of the definition of "insured contract" in Section V - Definitions is deleted and replaced by the following:

An obligation, as required by ordinance, to indemnify a municipality.

b. CONTRACTUAL LIABILITY

Paragraph f. of the definition of "insured contract" is deleted and replaced by the following:

That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury", "property damage", or "personal and advertising injury" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph f. includes that part of any contract or agreement that indemnifies a railroad for "bodily injury", "property damage", or "personal and advertising injury" arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing.

However, Paragraph f. does not include that part of any contract or agreement:

- (1) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:

- (a)** Preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- (b)** Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or

- (2)** Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in **(1)** above and supervisory, inspection, architectural or engineering activities.

All other terms and conditions in the policy remain unchanged.

POLICY#: 59UENOE0294

POLICY PERIOD: 04/01/2026

TO: 04/01/2027

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

COMMERCIAL AUTOMOBILE BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

To the extent that the provisions of this endorsement provide broader benefits to the "insured" than other provisions of the Coverage Form, the provisions of this endorsement apply.

1. BROAD FORM INSURED

A. Subsidiaries and Newly Acquired or Formed Organizations

The Named Insured shown in the Declarations is amended to include:

- (1) Any legal business entity other than a partnership or joint venture, formed as a subsidiary in which you have an ownership interest of more than 50% on the effective date of the Coverage Form. However, the Named Insured does not include any subsidiary that is an "insured" under any other automobile policy or would be an "insured" under such a policy but for its termination or the exhaustion of its Limit of Insurance.
- (2) Any organization that is acquired or formed by you and over which you maintain majority ownership. However, the Named Insured does not include any newly formed or acquired organization:
 - (a) That is a partnership or joint venture,
 - (b) That is an "insured" under any other policy,
 - (c) That has exhausted its Limit of Insurance under any other policy, or
 - (d) 180 days or more after its acquisition or formation by you, unless you have given us notice of the acquisition or formation.

Coverage does not apply to "bodily injury" or "property damage" that results from an "accident" that occurred before you formed or acquired the organization.

B. Employees as Insureds

Paragraph A.1. - WHO IS AN INSURED - of SECTION II - LIABILITY COVERAGE is amended to add:

- d. Any "employee" of yours while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

C. Lessors as Insureds

Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:

- e. The lessor of a covered "auto" while the "auto" is leased to you under a written agreement if:
 - (1) The agreement requires you to provide direct primary insurance for the lessor and
 - (2) The "auto" is leased without a driver.

Such a leased "auto" will be considered a covered "auto" you own and not a covered "auto" you hire.

D. Additional Insured if Required by Contract

- (1) Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:
 - f. When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

- (1) During the policy period, and
- (2) Subsequent to the execution of such written contract, and
- (3) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

- (a) The limits of insurance specified in the written contract or written agreement; or
- (b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in LOSS CONDITIONS 2. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS – OF SECTION IV – BUSINESS AUTO CONDITIONS, in the same manner as the Named Insured.

E. Primary and Non-Contributory if Required by Contract

Only with respect to insurance provided to an additional insured in 1.D. - Additional Insured If Required by Contract, the following provisions apply:

(3) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in Other Insurance 5.d.

(4) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (3) and (4) do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
- (2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, by the method described in Other Insurance 5.d.

2. AUTOS RENTED BY EMPLOYEES

Any "auto" hired or rented by your "employee" on your behalf and at your direction will be considered an "auto" you hire.

The OTHER INSURANCE Condition is amended by adding the following:

If an "employee's" personal insurance also applies on an excess basis to a covered "auto" hired or rented by your "employee" on your behalf and at your direction, this insurance will be primary to the "employee's" personal insurance.

3. AMENDED FELLOW EMPLOYEE EXCLUSION

EXCLUSION 5. - FELLOW EMPLOYEE - of SECTION II - LIABILITY COVERAGE does not apply if you have workers' compensation insurance in-force covering all of your "employees".

Coverage is excess over any other collectible insurance.

4. HIRED AUTO PHYSICAL DAMAGE COVERAGE

If hired "autos" are covered "autos" for Liability Coverage and if Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire or borrow, subject to the following limit.

The most we will pay for "loss" to any hired "auto" is:

- (1) \$100,000;
- (2) The actual cash value of the damaged or stolen property at the time of the "loss"; or
- (3) The cost of repairing or replacing the damaged or stolen property,

whichever is smallest, minus a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. No deductible applies to "loss" caused by fire or lightning. Hired Auto Physical Damage coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own.

We will also cover loss of use of the hired "auto" if it results from an "accident", you are legally liable and the lessor incurs an actual financial loss, subject to a maximum of \$1000 per "accident".

This extension of coverage does not apply to any "auto" you hire or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company), or members of their households.

5. PHYSICAL DAMAGE - ADDITIONAL TEMPORARY TRANSPORTATION EXPENSE COVERAGE

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is amended to provide a limit of \$50 per day and a maximum limit of \$1,000.

6. LOAN/LEASE GAP COVERAGE

Under SECTION III - PHYSICAL DAMAGE COVERAGE, in the event of a total "loss" to a covered "auto", we will pay your additional legal obligation for any difference between the actual cash value of the "auto" at the time of the "loss" and the "outstanding balance" of the loan/lease.

"Outstanding balance" means the amount you owe on the loan/lease at the time of "loss" less any amounts representing taxes; overdue payments; penalties, interest or charges resulting from overdue payments; additional mileage charges; excess wear and tear charges; lease termination fees; security deposits not returned by the lessor; costs for extended warranties, credit life Insurance, health, accident or disability insurance purchased with the loan or lease; and carry-over balances from previous loans or leases.

7. AIRBAG COVERAGE

Under Paragraph B. EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

The exclusion relating to mechanical breakdown does not apply to the accidental discharge of an airbag.

8. ELECTRONIC EQUIPMENT - BROADENED COVERAGE

a. The exceptions to Paragraphs B.4 - EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE are replaced by the following:

Exclusions **4.c.** and **4.d.** do not apply to equipment designed to be operated solely by use of the power from the "auto's" electrical system that, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto";
- (2) Removable from a housing unit which is permanently installed in or upon the covered "auto";
- (3) An integral part of the same unit housing any electronic equipment described in Paragraphs (1) and (2) above; or

- (4) Necessary for the normal operation of the covered "auto" or the monitoring of the covered "auto's" operating system.

b. Section III – Version CA 00 01 03 10 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C.2 and Version CA 00 01 10 01 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C are each amended to add the following:

\$1,500 is the most we will pay for "loss" in any one "accident" to all electronic equipment (other than equipment designed solely for the reproduction of sound, and accessories used with such equipment) that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;
- (2) Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or
- (3) An integral part of such equipment.

c. For each covered "auto", should loss be limited to electronic equipment only, our obligation to pay for, repair, return or replace damaged or stolen electronic equipment will be reduced by the applicable deductible shown in the Declarations, or \$250, whichever deductible is less.

9. EXTRA EXPENSE - BROADENED COVERAGE

Under Paragraph A. - COVERAGE - of SECTION III - PHYSICAL DAMAGE COVERAGE, we will pay for the expense of returning a stolen covered "auto" to you.

10. GLASS REPAIR - WAIVER OF DEDUCTIBLE

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

No deductible applies to glass damage if the glass is repaired rather than replaced.

11. TWO OR MORE DEDUCTIBLES

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

If another Hartford Financial Services Group, Inc. company policy or coverage form that is not an automobile policy or coverage form applies to the same "accident", the following applies:

- (1) If the deductible under this Business Auto Coverage Form is the smaller (or smallest) deductible, it will be waived;
- (2) If the deductible under this Business Auto Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

12. AMENDED DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS

The requirement in LOSS CONDITIONS 2.a. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - of SECTION IV - BUSINESS AUTO CONDITIONS that you must notify us of an "accident" applies only when the "accident" is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership;
- (3) A member, if you are a limited liability company; or
- (4) An executive officer or insurance manager, if you are a corporation.

13. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

14. HIRED AUTO - COVERAGE TERRITORY

Paragraph e. of GENERAL CONDITIONS 7. - POLICY PERIOD, COVERAGE TERRITORY - of SECTION IV - BUSINESS AUTO CONDITIONS is replaced by the following:

- e. For short-term hired "autos", the coverage territory with respect to Liability Coverage is anywhere in the world provided that if the "insured's" responsibility to pay damages for "bodily injury" or "property damage" is determined in a "suit," the "suit" is brought in the United States of America, the territories and possessions of the United States of America, Puerto Rico or Canada or in a settlement we agree to.

15. WAIVER OF SUBROGATION

TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US - of SECTION IV - BUSINESS AUTO CONDITIONS is amended by adding the following:

We waive any right of recovery we may have against any person or organization with whom you have a written contract that requires such waiver because of payments we make for damages under this Coverage Form.

16. RESULTANT MENTAL ANGUISH COVERAGE

The definition of "bodily injury" in SECTION V-DEFINITIONS is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by any person, including mental anguish or death resulting from any of these.

17. EXTENDED CANCELLATION CONDITION

Paragraph 2. of the COMMON POLICY CONDITIONS - CANCELLATION - applies except as follows:

If we cancel for any reason other than nonpayment of premium, we will mail or deliver to the first Named Insured written notice of cancellation at least 60 days before the effective date of cancellation.

18. HYBRID, ELECTRIC, OR NATURAL GAS VEHICLE PAYMENT COVERAGE

In the event of a total loss to a "non-hybrid" auto for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended as follows:

- a. If the auto is replaced with a "hybrid" auto or an auto powered solely by electricity or natural gas, we will pay an additional 10%, to a maximum of \$2,500, of the "non-hybrid" auto's actual cash value or replacement cost, whichever is less,
- b. The auto must be replaced and a copy of a bill of sale or new lease agreement received by us within 60 calendar days of the date of "loss,"

c. Regardless of the number of autos deemed a total loss, the most we will pay under this Hybrid, Electric, or Natural Gas Vehicle Payment Coverage provision for any one "loss" is \$10,000.

For the purposes of the coverage provision,

- a. A "non-hybrid" auto is defined as an auto that uses only an internal combustion engine to move the auto but does not include autos powered solely by electricity or natural gas.
- b. A "hybrid" auto is defined as an auto with an internal combustion engine and one or more electric motors; and that uses the internal combustion engine and one or more electric motors to move the auto, or the internal combustion engine to charge one or more electric motors, which move the auto.

19. VEHICLE WRAP COVERAGE

In the event of a total loss to an "auto" for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended to add the following:

In addition to the actual cash value of the "auto", we will pay up to \$1,000 for vinyl vehicle wraps which are displayed on the covered "auto" at the time of total loss. Regardless of the number of autos deemed a total loss, the most we will pay under this Vehicle Wrap Coverage provision for any one "loss" is \$5,000. For purposes of this coverage provision, signs or other graphics painted or magnetically affixed to the vehicle are not considered vehicle wraps.

POLICY #: 59WEOE0B1D

POLICY PERIOD: 04/01/2026

TO 04/01/2027



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**WAIVER OF OUR RIGHT TO RECOVER
FROM OTHERS ENDORSEMENT**

Policy Number:

Endorsement Number:

Effective Date:

Effective hour is the same as stated on the Information Page of the policy.

Named Insured and Address:

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

SCHEDULE

Any person or organization for whom you are required by contract or agreement to obtain this waiver from us. Endorsement is not applicable in KY, NH, NJ or for any MO construction risk

Countersigned by _____
Authorized Representative

POLICY#: 59UENOE0294

POLICY PERIOD: 04/01/2026

TO: 04/01/2027



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NOTICE OF CANCELLATION TO CERTIFICATE HOLDER(S)

This policy is subject to the following additional Conditions:

- A.** If this policy is cancelled by the Company, other than for nonpayment of premium, notice of such cancellation will be provided at least thirty (30) days in advance of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.
- B.** If this policy is cancelled by the Company for nonpayment of premium, or by the insured, notice of such cancellation will be provided within (10) days of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.

If notice is mailed, proof of mailing to the last known mailing address of the certificate holder(s) on file with the agent of record or the Company will be sufficient proof of notice.

Any notification rights provided by this endorsement apply only to active certificate holder(s) who were issued a certificate of insurance applicable to this policy's term.

Failure to provide such notice to the certificate holder(s) will not amend or extend the date the cancellation becomes effective, nor will it negate cancellation of the policy. Failure to send notice shall impose no liability of any kind upon the Company or its agents or representatives.

POLICY #: 59WEOE0B1D

POLICY PERIOD: 04/01/2026

TO

04/01/2027



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NOTICE OF CANCELLATION TO CERTIFICATE HOLDER(S)

Policy Number: See Certificate

Endorsement Number: TBD

Effective Date: See Certificate Effective hour is the same as stated on the Information Page of the policy.

Named Insured and Address:

PER ISSUED CERTIFICATE OF INSURANCE

This policy is subject to the following additional Conditions:

- A. If this policy is cancelled by the Company, other than for non-payment of premium, notice of such cancellation will be provided at least thirty (30) days in advance of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.
- B. If this policy is cancelled by the Company for non-payment of premium, or by the insured, notice of such cancellation will be provided within ten (10) days of the cancellation effective date to the certificate holder(s) with mailing addresses on file with the agent of record or the Company.

If notice is mailed, proof of mailing to the last known mailing address of the certificate holder(s) on file with the agent of record or the Company will be sufficient proof of notice.

Any notification rights provided by this endorsement apply only to active certificate holder(s) who were issued a certificate of insurance applicable to this policy's term.

Failure to provide such notice to the certificate holder(s) will not amend or extend the date the cancellation becomes effective, nor will it negate cancellation of the policy. Failure to send notice shall impose no liability of any kind upon the Company or its agents or representatives.

INSURED: B & F Contracting, Inc.

POLICY #: CUP2Y00726126NF

POLICY PERIOD: 04/01/2026

TO 04/01/2027

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED PERSON OR ORGANIZATION – NOTICE OF CANCELLATION PROVIDED BY US

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

SCHEDULE

CANCELLATION: **Number of Days Notice:** 30

PERSON OR ORGANIZATION:

ANY PERSON OR ORGANIZATION TO WHOM YOU HAVE AGREED IN A WRITTEN CONTRACT THAT NOTICE OF CANCELLATION OF THIS POLICY WILL BE GIVEN, BUT ONLY IF:

1. YOU SEND US A WRITTEN REQUEST TO PROVIDE SUCH NOTICE, INCLUDING THE NAME AND ADDRESS OF SUCH PERSON OR ORGANIZATION, AFTER THE FIRST NAMED INSURED RECEIVES NOTICE FROM US OF THE CANCELLATION OF THIS POLICY; AND
2. WE RECEIVE SUCH WRITTEN REQUEST AT LEAST 14 DAYS BEFORE THE BEGINNING OF THE APPLICABLE NUMBER OF DAYS SHOWN IN THIS SCHEDULE.

ADDRESS:

THE ADDRESS FOR THAT PERSON OR ORGANIZATION INCLUDED IN SUCH WRITTEN REQUEST FROM YOU TO US.

PROVISIONS

If we cancel this policy for any legally permitted reason other than nonpayment of premium, and a number of days is shown for Cancellation in the Schedule above, we will mail notice of cancellation to the person or organization shown in such Schedule. We will mail such notice to the address shown in the Schedule above at least the number of days shown for Cancellation in such Schedule before the effective date of cancellation.



PROCUREMENT DEPARTMENT

DESIGN & CONSTRUCTION DIVISION | 150 W. CONGRESS ST., 5TH FLOOR | TUCSON, AZ 85701

PHONE: 520-724-8161 | FAX: 520-724-3646

Insurance carrier verifies Pima County is named as Additional Insured to the Comprehensive Commercial General Liability policy AND the Comprehensive Automobile Liability policy referenced below, the County being added by ENDORSEMENT to the policies.

Marsh McLennan Agency, LLC

Insured Firm

59UENOE0293

Policy Number

Hartford Fire Insurance Company

Insurance Carrier

Authorized Carrier Signature

Lisa Heppler

Printed Name

6/22/2026

Date of Signature

NOTE: This document must be included with Insurance Certificates at time of signing contract or renewing contract.

Bond Number: 101887015

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

B&F Contracting, Inc.

(hereinafter "Principal"), as Principal, and Merchants National Bonding, Inc.
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Iowa,
with its principal office in the City of West Des Moines, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1,
as Surety, are held and firmly bound unto Pima County, Arizona (hereinafter "Obligee") in the amount of
One Million and 00/100 Dollars (\$1,000,000.00), for the payment whereof, Principal and Surety bind
themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally,
firmly by these presents.
WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/14/2026
for:

**RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities,
Repair, Rehabilitation & Construction Services**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully
performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract
during the original term of the contract and any extension of the contract, with or without notice to the
Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all
of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of
the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived,
the above obligation is void. Otherwise, it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with
the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were
copies at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees
that may be fixed by a judge of the court.

Witness our hands this 19th day of June, 2026.

Witness our hands this 19th day of June, 2026.

B&F Contracting, Inc.
Principal

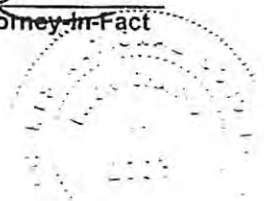
By:


BRUCE W. BALL, CEO

Merchants Bonding Company, Inc.
Surety

By:

Taylor J. Winstead, Attorney-in-Fact



Bond Number: 101887015

ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

B&F Contracting, Inc.

(hereinafter "Principal"), as Principal, and Merchants National Bonding, Inc.
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Iowa,
with its principal office in the City of West Des Moines, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Department of Insurance pursuant to Title 20, Chapter
2, Article 1, as Surety, are held and firmly bound unto Pima County (hereinafter "Obligee") in the amount
of One Million & 00/100 Dollars (\$1,000,000.00), for the payment whereof, Principal and Surety
bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally,
firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/01/2026
for:

**RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities,
Repair, Rehabilitation & Construction Services**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly
pays all monies due to all persons supplying labor or materials to the Principal or the Principal's
subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise
it remains in full force and effect.

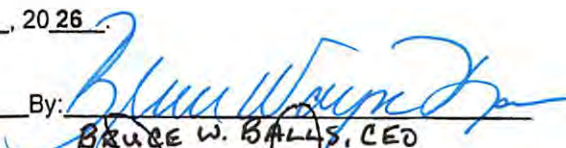
PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with
the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to
the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees
that may be fixed by a judge in the court.

Witness our hands this 19th day of June, 2026.

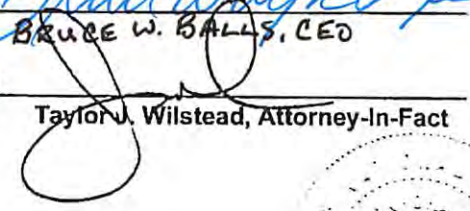
Witness our hands this 19th day of June, 2026.

B&F Contracting, Inc.
Principal

By: 

BRUCE W. BALLIS, CEO

Merchants National Bonding, Inc.
Surety

By: 

Taylor J. Wilstead, Attorney-In-Fact



MERCHANTS BONDING COMPANY™ POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa, and MERCHANTS NATIONAL INDEMNITY COMPANY, an assumed name of Merchants National Bonding, Inc., (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Alec Kleiner; Christopher D Morrow; Cynthia Kleiner; Jonathan Bjork; Kaitlyn Sherwood; Taylor J Wilestead

their true and lawful Attorney(s)-In-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the By-Laws adopted by the Board of Directors of the Companies.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

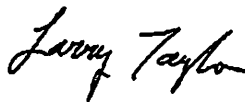
In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 2nd day of June, 2025.

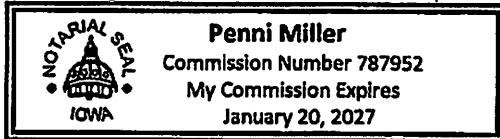


MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.
MERCHANTS NATIONAL INDEMNITY COMPANY

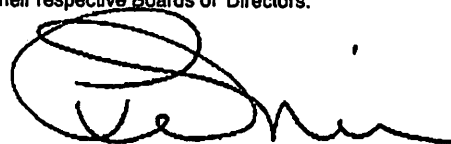
By 
President

STATE OF IOWA
COUNTY OF DALLAS ss.

On this 2nd day of June, 2025, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL), MERCHANTS NATIONAL BONDING, INC., and MERCHANTS NATIONAL INDEMNITY COMPANY; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



(Expiration of notary's commission
does not invalidate this instrument)


Notary Public

I, Elisabeth Sandersfeld, Secretary of MERCHANTS BONDING COMPANY (MUTUAL), MERCHANTS NATIONAL BONDING, INC., and MERCHANTS NATIONAL INDEMNITY COMPANY do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 19th day of June, 2026.




Secretary



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/22/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Carstin Insurance Partners, LLC 20 E. White Mountain Blvd #A5 301 Lakeside AZ 85929 License#: 8590477 BORDCON-01	CONTACT NAME: Steve Carvajal PHONE (A/C, No, Ext): 480-659-4927 E-MAIL ADDRESS: SteveC@carstin.com FAX (A/C, No): 480-659-4315 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Allied World National Assurance</td> <td style="text-align: center;">10690</td> </tr> <tr> <td>INSURER B: Travelers Indemnity Company</td> <td style="text-align: center;">25666</td> </tr> <tr> <td>INSURER C: Allied World Assurance Company</td> <td style="text-align: center;">19489</td> </tr> <tr> <td>INSURER D: NAVIGATORS SPECIALTY INS CO</td> <td style="text-align: center;">36056</td> </tr> <tr> <td>INSURER E: Endurance</td> <td style="text-align: center;">41718</td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Allied World National Assurance	10690	INSURER B: Travelers Indemnity Company	25666	INSURER C: Allied World Assurance Company	19489	INSURER D: NAVIGATORS SPECIALTY INS CO	36056	INSURER E: Endurance	41718	INSURER F:	
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COVERAGES**CERTIFICATE NUMBER: 2147452719****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractual GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC ☐ OTHER:	Y	Y	AWAC 6004-0078	11/1/2025	11/1/2026	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY ☐	Y	Y	VTC2E-CAP-3K990386-TCT-25 VTE-BAP-3K990398-TCT-25	11/1/2025 11/1/2025	11/1/2026 11/1/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000	Y	Y	AWAC 0309-8309 AZ25EXCZ0FEEGIC	11/1/2025 11/1/2025	11/1/2026 11/1/2026	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 4,000,000 \$ 4,000,000
D	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	Y	UB-3R234190-25-25-D	11/1/2025	11/1/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	☐ Pollution & Professional Liabilit ☐ Contractors Equipment ☐ Comm Property	Y	Y	PNV10015399002 QT-630-3R068632-TIL-25 QT-630-3R068632-TIL-25	11/1/2025 11/1/2025 11/1/2025	11/1/2026 11/1/2026 11/1/2026	3,000,000 At least \$26,000,000 12,000,000 Prop. 1,000,000 2,700,000 BPP

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Regional Wastewater Reclamation Department, Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees as additional insureds with respect to liability arising out of the activities performed by or on behalf of Contractor with regards to the General, Automobile, & Umbrella/Excess Liability policies when required by written contract. Waiver of subrogation applies in favor of Regional Wastewater Reclamation Department, Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees when required by written contract. Coverage is primary and non-contributory when required by written contract. #) Day written notice of cancellation, (10 days for non-payment of premium) applies when required by written contract.

Project: Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services

CERTIFICATE HOLDER**CANCELLATION**

Regional Wastewater Reclamation Department Jackson Jenkins, Director 201 N. Stone, 8th Floor Tucson AZ 85701	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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**WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY**

ENDORSEMENT WC 00 03 13 (00) -

POLICY NUMBER: UB-3R234190-25-25-D

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

SCHEDULE

DESIGNATED PERSON:

Any person or organization for which the insured has agreed by written contract executed prior to loss to furnish this waiver.

DESIGNATED ORGANIZATION:

Any person or organization for which the insured has agreed by written contract executed prior to loss to furnish this waiver.

DATE OF ISSUE: - -

ST ASSIGN:

POLICY NUMBER: 6004-0078

COMMERCIAL GENERAL LIABILITY
CG 20 10 04 13**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.****ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
Where Required by Written Contract	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

- C.** With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1.** Required by the contract or agreement; or

- 2.** Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER: 0308-6588

COMMERCIAL GENERAL LIABILITY
CG 20 37 04 13**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.****ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART**SCHEDULE**

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
Where Required by Written Contract	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER: 6004-0078

COMMERCIAL GENERAL LIABILITY
CG 24 04 05 09

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization: Any person or organization against whom you have agreed to waive your right of recovery in a written contract, proved such contract was executed prior to the date of loss.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions**:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

Policy # 6004-0078

COMMERCIAL GENERAL LIABILITY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – WHERE REQUIRED UNDER
CONTRACT OR AGREEMENT
(PRIMARY AND NON-CONTRIBUTORY WHERE
REQUIRED UNDER CONTRACT)**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

Section II – Who Is An Insured is amended to include any person or organization to whom you become obligated to include as an additional insured under this policy, as a result of any contract or agreement you enter into which requires you to furnish insurance to that person or organization of the type provided by this policy. However, the insurance provided will not exceed the lesser of:

- a. The coverage and/or limits of this policy; or
- b. The coverage and/or limits required by said contract or agreement.

Coverage afforded to these additional insured parties will be primary to, and non-contributory with, any other insurance available to that person or organization where required of you by written contract or agreement.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE – CONTRACTORS

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

PROVISIONS

1. The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

This includes any person or organization who you are required under a written contract or agreement, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph **B.5., Other Insurance** of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Regardless of the provisions of paragraph **a.** and paragraph **d.** of this part **5. Other Insurance**, this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is a named insured when a written contract or agreement with you, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BROAD FORM NAMED INSURED B. BLANKET ADDITIONAL INSURED C. EMPLOYEE HIRED AUTO D. EMPLOYEES AS INSURED E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS G. WAIVER OF DEDUCTIBLE – GLASS	H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT J. PERSONAL EFFECTS K. AIRBAGS L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS M. BLANKET WAIVER OF SUBROGATION N. UNINTENTIONAL ERRORS OR OMISSIONS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c. in A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

This includes any person or organization who you are required under a written contract or agreement between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name

as an additional insured for Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in that "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b. in B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

- b.** For **Hired Auto Physical Damage Coverage**, the following are deemed to be covered "autos" you own:

COMMERCIAL AUTO

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented by your "employee" under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph A.1., **Who Is An Insured**, of **SECTION II – LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph A.2.a.(2), of **SECTION II – LIABILITY COVERAGE**:
 - (2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
2. The following replaces Paragraph A.2.a.(4), of **SECTION II – LIABILITY COVERAGE**:
 - (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph e. in Paragraph B.7., **Policy Term, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

- e. Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited

liability company) or members of their households.

- (1) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

- (a) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

- (b) Neither you nor any other involved "insured" will make any settlement without our consent.

- (c) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

- (d) We will reimburse the "insured":

- (i) For sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph C., **Limit Of Insurance**, of **SECTION II – LIABILITY COVERAGE**;

- (ii) For the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph C., **Limit Of Insurance**, of **SECTION II – LIABILITY COVERAGE**, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

- (2) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess contingent or on any other basis.

- (3) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its

territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

- (4) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph **A.4.a.**, **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL EFFECTS

The following is added to Paragraph **A.4.**, **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Effects

We will pay up to \$400 for "loss" to wearing apparel and other personal effects which are:

- (1) Owned by an "insured"; and
- (2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Effects coverage.

K. AIRBAGS

The following is added to Paragraph **B.3.**, **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
- b. The airbags are not covered under any warranty; and
- c. The airbags were not intentionally inflated.

We will pay up to a maximum of \$1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

COMMERCIAL AUTO

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph B.2., **Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

Bond No. 108518376

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

Borderland Construction Company, Inc.

(hereinafter "Principal"), as Principal, and Travelers Casualty and Surety Company of America
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Connecticut,
with its principal office in the City of Hartford, CT, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1,
as Surety, are held and firmly bound unto Pima County, Arizona (hereinafter "Obligee") in the amount of
Two Million Five Hundred Thousand and 00/100 Dollars (\$2,500,000.00) for the payment whereof,
Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns,
jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/14/2026
for:

**Contact No. SC2600000376 - Job Order Contract: Wastewater Conveyance System and
Related Facilities, Repair, Rehabilitation & Construction Services
for the term 07/14/2026 through 07/13/2027**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

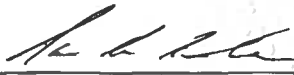
NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully
performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract
during the original term of the contract and any extension of the contract, with or without notice to the
Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all
of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of
the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived,
the above obligation is void. Otherwise, it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with
the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were
copies at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees
that may be fixed by a judge of the court.

Witness our hands this 23rd day of June, 20 26.

Borderland Construction Company, Inc.
Principal

By: 

Travelers Casualty and Surety Company of America
Surety

By: 

Tina Marie Perkins, Attorney-In-Fact

Bond No. 108518376

ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

Borderland Construction Company, Inc.

(hereinafter "Principal"), as Principal, and Travelers Casualty and Surety Company of America
(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Connecticut,
with its principal office in the City of Hartford, CT, holding a certificate of authority to transact
surety business in Arizona issued by the Director of Department of Insurance pursuant to Title 20, Chapter
2, Article 1, as Surety, are held and firmly bound unto Pima County (hereinafter "Obligee") in the amount
of **Two Million Five Hundred Thousand and 00/100 Dollars (\$2,500,000.00)** for the payment whereof,
Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns,
jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/14/2026
for:

**Contract No. SC2600000376 - Job Order Contract: Wastewater Conveyance System and
Related Facilities, Repair, Rehabilitation & Construction Services
for the term 07/14/2026 through 07/13/2027**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied
at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly
pays all monies due to all persons supplying labor or materials to the Principal or the Principal's
subcontractors in the prosecution of the work provided for in the contract, this obligation is void.
Otherwise, it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2,
Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with
the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to
the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees
that may be fixed by a judge in the court.

Witness our hands this 23rd day of June, 2026.

Borderland Construction Company, Inc.
Principal

By: 

Travelers Casualty and Surety Company of America
Surety

By: 

Tina Marie Perkins, Attorney-In-Fact



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Tina Marie Perkins** of **TUCSON**, **Arizona**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.



State of Connecticut

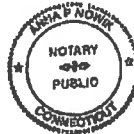
City of Hartford ss.

By: 
 Robert L. Raney, Senior Vice President

On this the 21st day of April, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026




 Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 23rd day of June, 2026




 Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.



ELLIMIL-01

KWINSLOW

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/23/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Hill & Usher Insurance & Surety 3033 N 44th St Ste 300 Phoenix, AZ 85018	CONTACT NAME: PHONE (A/C, No, Ext): (800) 956-4220 FAX (A/C, No): (602) 956-4418 E-MAIL ADDRESS: doccontrol@hillusher.com												
INSURER(S) AFFORDING COVERAGE													
INSURED Ellison-Mills Contracting LLC 3152 North Lear #2 Casa Grande, AZ 85122-8146	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">INSURER A : Travelers Prop Casualty Co Of America</td> <td style="width: 20%; text-align: center;">25674</td> </tr> <tr> <td>INSURER B : Charter Oak Fire Ins Co.</td> <td style="text-align: center;">25615</td> </tr> <tr> <td>INSURER C : Travelers Indemnity Company Of Connecticut</td> <td style="text-align: center;">25682</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER A : Travelers Prop Casualty Co Of America	25674	INSURER B : Charter Oak Fire Ins Co.	25615	INSURER C : Travelers Indemnity Company Of Connecticut	25682	INSURER D :		INSURER E :		INSURER F :	
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COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS														
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			CO-3782X324	12/31/2025	12/31/2026	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td style="text-align: right;">\$ 300,000</td></tr> <tr><td>MED EXP (Any one person)</td><td style="text-align: right;">\$ 5,000</td></tr> <tr><td>PERSONAL & ADV INJURY</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>GENERAL AGGREGATE</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td>PRODUCTS - COMP/OP AGG</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	EACH OCCURRENCE	\$ 1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000	MED EXP (Any one person)	\$ 5,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 2,000,000	PRODUCTS - COMP/OP AGG	\$ 2,000,000		\$
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B	☒ AUTOMOBILE LIABILITY ☐ ANY AUTO OWNED AUTOS ONLY ☐ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS ONLY			810-1L664790	12/31/2025	12/31/2026	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>BODILY INJURY (Per person)</td><td style="text-align: right;">\$</td></tr> <tr><td>BODILY INJURY (Per accident)</td><td style="text-align: right;">\$</td></tr> <tr><td>PROPERTY DAMAGE (Per accident)</td><td style="text-align: right;">\$</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
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	\$																				
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			CUP-9J117798	12/31/2025	12/31/2026	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td>AGGREGATE</td><td style="text-align: right;">\$ 2,000,000</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	EACH OCCURRENCE	\$ 2,000,000	AGGREGATE	\$ 2,000,000		\$								
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C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N ☒ N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	UB-8J493223	12/31/2025	12/31/2026	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>☒ PER STATUTE</td> <td>☐ OTH-ER</td> <td></td> </tr> <tr><td>E.L. EACH ACCIDENT</td><td></td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>E.L. DISEASE - EA EMPLOYEE</td><td></td><td style="text-align: right;">\$ 1,000,000</td></tr> <tr><td>E.L. DISEASE - POLICY LIMIT</td><td></td><td style="text-align: right;">\$ 1,000,000</td></tr> </table>	☒ PER STATUTE	☐ OTH-ER		E.L. EACH ACCIDENT		\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE		\$ 1,000,000	E.L. DISEASE - POLICY LIMIT		\$ 1,000,000		
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: CONTRACT #SC2600000376. JOB ORDER CONTRACT: WASTEWATER CONVEYANCE SYSTEM & RELATED FACILITIES, REPAIR, REHABILITATION & CONSTRUCTION SERVICES. ADDITIONAL INSURED FORMS CGD 246, CGT 100 & CAT 353 ATTACHED. WAIVER OF SUBROGATION FORMS CGD 316, CAT 353 & WC 000313 ATTACHED.

CERTIFICATE HOLDER**CANCELLATION**

PIMA COUNTY 150 W CONGRESS, 5TH FL TUCSON, AZ 85701	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED **(Includes Products-Completed Operations If Required By Contract)**

This endorsement modifies insurance provided under the following:
COMMERCIAL GENERAL LIABILITY COVERAGE PART

PROVISIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any person or organization that you agree in a written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only:

- a. With respect to liability for "bodily injury" or "property damage" that occurs, or for "personal injury" caused by an offense that is committed, subsequent to the signing of that contract or agreement and while that part of the contract or agreement is in effect; and
- b. If, and only to the extent that, such injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the written contract or agreement applies. Such person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

The insurance provided to such additional insured is subject to the following provisions:

- a. If the Limits of Insurance of this Coverage Part shown in the Declarations exceed the minimum limits required by the written contract or agreement, the insurance provided to the additional insured will be limited to such minimum required limits. For the purposes of determining whether this limitation applies, the minimum limits required by the written contract or agreement will be considered to include the minimum limits of any Umbrella or Excess liability coverage required for the additional insured by that written contract or agreement. This provision will not increase the limits of insurance described in Section III – Limits Of Insurance.
- b. The insurance provided to such additional insured does not apply to:

- (1) Any "bodily injury", "property damage" or "personal injury" arising out of the providing, or failure to provide, any professional architectural, engineering or surveying services, including:

- (a) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and

- (b) Supervisory, inspection, architectural or engineering activities.

- (2) Any "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the written contract or agreement specifically requires you to provide such coverage for that additional insured during the policy period.

- c. The additional insured must comply with the following duties:

- (1) Give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:

- (a) How, when and where the "occurrence" or offense took place;

- (b) The names and addresses of any injured persons and witnesses; and

- (c) The nature and location of any injury or damage arising out of the "occurrence" or offense.

- (2) If a claim is made or "suit" is brought against the additional insured:

COMMERCIAL GENERAL LIABILITY

- (a) Immediately record the specifics of the claim or "suit" and the date received; and
 - (b) Notify us as soon as practicable and see to it that we receive written notice of the claim or "suit" as soon as practicable.
- (3) Immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- (4) Tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover such additional insured for a loss we cover. However, this condition does not affect whether the insurance provided to such additional insured is primary to other insurance available to such additional insured which covers that person or organization as a named insured as described in Paragraph 4., Other Insurance, of Section IV – Commercial General Liability Conditions.

COMMERCIAL GENERAL LIABILITY

c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

d. Primary And Non-Contributory Insurance If Required By Written Contract

If you specifically agree in a written contract or agreement that the insurance afforded to an insured under this Coverage Part must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such insured which covers such insured as a named insured, and we will not share with that other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal and advertising injury" for which coverage is sought is caused by an offense that is committed;

subsequent to the signing of that contract or agreement by you.

5. Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.
- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

By accepting this policy, you agree:

- a. The statements in the Declarations are accurate and complete;
- b. Those statements are based upon representations you made to us; and
- c. We have issued this policy in reliance upon your representations.

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
 - a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE – CONTRACTORS

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

PROVISIONS

1. The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

This includes any person or organization who you are required under a written contract or agreement, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph **B.5., Other Insurance** of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Regardless of the provisions of paragraph **a.** and paragraph **d.** of this part **5. Other Insurance**, this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is a named insured when a written contract or agreement with you, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BROAD FORM NAMED INSURED	H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT
B. BLANKET ADDITIONAL INSURED	I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT
C. EMPLOYEE HIRED AUTO	J. PERSONAL PROPERTY
D. EMPLOYEES AS INSURED	K. AIRBAGS
E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS	L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS
F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS	M. BLANKET WAIVER OF SUBROGATION
G. WAIVER OF DEDUCTIBLE – GLASS	N. UNINTENTIONAL ERRORS OR OMISSIONS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c. in A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b. in B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

COMMERCIAL AUTO

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph **A.2.a.(2)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph **A.2.a.(4)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph **B.7., Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph **C., Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph **C., Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

- (d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph **A.4.a.**, **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph **A.4.**, **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

- (1) Owned by an "insured"; and

- (2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph **B.3.**, **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
 - b. The airbags are not covered under any warranty; and
 - c. The airbags were not intentionally inflated.
- We will pay up to a maximum of \$1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

COMMERCIAL AUTO

such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph **B.2., Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

XTEND ENDORSEMENT FOR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. Who Is An Insured – Unnamed Subsidiaries B. Blanket Additional Insured – Governmental Entities – Permits Or Authorizations Relating To Operations	C. Incidental Medical Malpractice D. Blanket Waiver Of Subrogation E. Contractual Liability – Railroads F. Damage To Premises Rented To You

PROVISIONS

A. WHO IS AN INSURED – UNNAMED SUBSIDIARIES

The following is added to **SECTION II – WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if:

- a.** You are the sole owner of, or maintain an ownership interest of more than 50% in, such subsidiary on the first day of the policy period; and
- b.** Such subsidiary is not an insured under similar other insurance.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal and advertising injury" caused by an offense committed:

- a.** Before you maintained an ownership interest of more than 50% in such subsidiary; or
- b.** After the date, if any, during the policy period that you no longer maintain an ownership interest of more than 50% in such subsidiary.

For purposes of Paragraph 1. of Section II – Who Is An Insured, each such subsidiary will be deemed to be designated in the Declarations as:

- a.** An organization other than a partnership, joint venture or limited liability company; or

- b.** A trust;

as indicated in its name or the documents that govern its structure.

B. BLANKET ADDITIONAL INSURED – GOVERNMENTAL ENTITIES – PERMITS OR AUTHORIZATIONS RELATING TO OPERATIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any governmental entity that has issued a permit or authorization with respect to operations performed by you or on your behalf and that you are required by any ordinance, law, building code or written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" arising out of such operations.

The insurance provided to such governmental entity does not apply to:

- a.** Any "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the governmental entity; or
- b.** Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

COMMERCIAL GENERAL LIABILITY

C. INCIDENTAL MEDICAL MALPRACTICE

1. The following replaces Paragraph **b.** of the definition of "occurrence" in the **DEFINITIONS** Section:

b. An act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

2. The following replaces the last paragraph of Paragraph **2.a.(1)** of **SECTION II – WHO IS AN INSURED**:

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a), (b), (c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide:

(a) "Incidental medical services" by any of your "employees" who is a nurse, nurse assistant, emergency medical technician or paramedic; or

(b) First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

3. The following replaces the last sentence of Paragraph **5.** of **SECTION III – LIMITS OF INSURANCE**:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph **2.**, **Exclusions**, of **SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of

pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

a. Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or

b. The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

6. The following is added to Paragraph **4.b.**, **Excess Insurance**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section **II – Who Is An Insured**.

D. BLANKET WAIVER OF SUBROGATION

The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

a. "Bodily injury" or "property damage" that occurs; or

b. "Personal and advertising injury" caused by an offense that is committed;

subsequent to the execution of the contract or agreement.

E. CONTRACTUAL LIABILITY – RAILROADS

1. The following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:

c. Any easement or license agreement;

COMMERCIAL GENERAL LIABILITY

2. Paragraph **f.(1)** of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

F. DAMAGE TO PREMISES RENTED TO YOU

The following replaces the definition of "premises damage" in the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

- a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or
- b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.



**WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY**

ENDORSEMENT WC 00 03 13 (00) - 001

POLICY NUMBER: **UB-8J493223**

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

SCHEDULE

DESIGNATED PERSON:

DESIGNATED ORGANIZATION:

**ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED
BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS
WAIVER.**

CHECKLIST AND TRANSMITTAL

Ellison-Mills Contracting

Date: 06/18/2026

Project: Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services

Bonds

 X Performance Bond (in accordance with the terms in the contract)

By initialing here, Our company will supply bonds on a job-order by job-order basis, and the Contracting Department will obtain the appropriate bonds from Contractor upon issuance of a Job Order and release the Delivery Order.

 RM

 X Payment Bond (in accordance with the terms in the contract)

By initialing here, our company will supply bonds on a job-order by job-order basis, and the Contracting Department will obtain the appropriate bonds from Contractor upon issuance of a Job Order and release the Delivery Order.

 RM

A Certified copy of Power of Attorney of the person signing for the Surety Company must be dated and filed with the bonds. Kindly have resident agent countersign the bonds (other than the "attorney in fact"), as provided for on the bond forms.

Insurance

 X Certificate of Commercial General Liability Insurance in the amount as stated in the original contract. **IMPORTANT:** Certificate shall show Pima County as additional insured and added on policy by endorsement for commercial general liability.

 X Certificate of Comprehensive Automobile Liability Insurance in the amount as stated in the original contract. **IMPORTANT:** Certificate shall show Pima County as additional insured and added on policy by endorsement for comprehensive automobile liability.

 X Certificate of Evidence of Workers' Compensation for in the amount as stated in the original contract.

 N/A Builder's Risk Insurance as stated in the original contract. The policy should list Pima County as a loss payee.

Other Requirements

Please remember that Pima County needs to be added as an additional insured to the general liability AND automobile liability policy. Addition of the name "Pima County" at the bottom of the general and auto certificates is NOT sufficient to add Pima County as additional insured. We require either an endorsement adding Pima County as additional insured to each policy (general and auto), a blanket endorsement or completion of the attached additional insured form. Your insurance company should be able to complete this additional insured requirement for you; they can contact me if they have questions.

Jorden Oliver, Procurement Department

Phone: (520) 724-8762 | Email: Jorden.Oliver@Pima.gov

Additional Insured for Commercial General Liability and Comprehensive Automobile Liability Endorsement Form attached.



PROCUREMENT DEPARTMENT

DESIGN & CONSTRUCTION DIVISION | 150 W. CONGRESS ST., 5TH FLOOR | TUCSON, AZ 85701

PHONE: 520-724-8161 | FAX: 520-724-3646

Insurance carrier verifies Pima County is named as Additional Insured to the Comprehensive Commercial General Liability policy AND the Comprehensive Automobile Liability policy referenced below, the County being added by ENDORSEMENT to the policies.

ELLISON-MILLS CONTRACTING LLC

Insured Firm

CO-3782X324 / 810-1L664790

Policy Number

TRAVELERS PROP CASUALTY / CHARTER OAKS FIRE INS. CO.

Insurance Carrier


Authorized Carrier Signature

Ryan Montijo

Printed Name

6/24/2026

Date of Signature

NOTE: This document must be included with Insurance Certificates at time of signing contract or renewing contract.

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

Bond No. 108508898

Ellison Mills Contracting, LLC

(hereinafter "Principal"), as Principal, and Travelers Casualty and Surety Company of America (hereinafter "Surety"), a corporation organized and existing under the laws of the State of Connecticut, with its principal office in the City of Hartford, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County, Arizona (hereinafter "Obligee") in the amount of Two Million, Five Hundred Thousand and 00/100ths-----Dollars \$2,500,000.00, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/14/2026 for:

RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice to the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise, it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copies at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this 14th day of July, 2026.

Ellison Mills Contracting, LLC
Principal

By

 Ryan Montijo

Travelers Casualty and Surety Company
Of America
Surety

By

 Stephanie L. Boenolz, Attorney-in-Fact



ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

Bond No. 108508898

Ellison Mills Contracting, LLC

(hereinafter "Principal"), as Principal, and Travelers Casualty and Surety Company of America (hereinafter "Surety"), a corporation organized and existing under the laws of the State of Connecticut, with its principal office in the City of Hartford, holding a certificate of authority to transact surety business in Arizona issued by the Director of Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County (hereinafter "Obligee") in the amount of Two Million, Five Hundred Thousand and 00/100ths-----Dollars \$2,500,000.00, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/01/2026 for:

RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge in the court.

Witness our hands this 14th day of July, 2026.

Ellison Mills Contracting, LLC
Principal

By:

 Ryan Montijo

Travelers Casualty and Surety Company
Of America
Surety

By:

 Stephanie L. Bucholz, Attorney-in-Fact





**SURETY BOND ELECTRONIC SIGNATURE & SEAL ADDENDUM
TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA**

Travelers Casualty and Surety Company of America ("Travelers") has authorized its Attorneys-in-Fact to utilize an electronic, facsimile, or digital signature (each an "Electronic Signature") to execute bonds on behalf of Travelers and has further authorized its Attorneys-in-Fact to attach this Addendum to any such bonds.

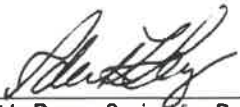
Travelers hereby acknowledges and agrees that the attached bond executed by the Attorney-in-Fact on behalf of Travelers with an Electronic Signature shall have the same force and effect as if executed by the Attorney-in-Fact with a wet ink signature.

Travelers also hereby agrees that the seal below shall be deemed affixed to the attached bond to the same extent as if Travelers' raised corporate seal was physically affixed to the face of the bond.

Dated this 1st day of April, 2023.

Travelers Casualty and Surety Company of America



By: 
Robert L. Raney, Senior Vice President



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **STEPHANIE L BUCHOLZ** of **MESA, Arizona**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st day of April, 2021**.



State of Connecticut

City of Hartford ss.

By: _____

Robert L. Raney
 Robert L. Raney, Senior Vice President

On this the **21st day of April, 2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th day of June, 2026**



Anna P. Nowik
 Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which remains in full force and effect

Dated this **14th** day of **July**

2026



Kevin E. Hughes
 Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
 Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/22/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Trucordia 28 North Center Street P. O. Box 819 Mesa AZ 85211-0819	CONTACT NAME: Kori L. Moseley, CISR, CPIW PHONE (A/C, No, Ext): (480)969-2291 FAX (A/C, No): (480)833-4833 E-MAIL ADDRESS: kori.moseley@trucordia.com														
INSURED Hunter Contracting Co. 701 N. Cooper Road Gilbert AZ 85233	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A: The Phoenix Insurance Co</td> <td>25623</td> </tr> <tr> <td>INSURER B: Travelers Prop Cas Co of America</td> <td>25674</td> </tr> <tr> <td>INSURER C: CopperPoint Indemnity Ins Co</td> <td>14216</td> </tr> <tr> <td>INSURER D: Allied World Assurance Co (U.S.) Inc.</td> <td>19489</td> </tr> <tr> <td>INSURER E: Westchester Surplus Lines Ins Co</td> <td>10172</td> </tr> <tr> <td>INSURER F: SiriusPoint Specialty Ins Corp</td> <td>16820</td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: The Phoenix Insurance Co	25623	INSURER B: Travelers Prop Cas Co of America	25674	INSURER C: CopperPoint Indemnity Ins Co	14216	INSURER D: Allied World Assurance Co (U.S.) Inc.	19489	INSURER E: Westchester Surplus Lines Ins Co	10172	INSURER F: SiriusPoint Specialty Ins Corp	16820
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COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY	☒	☒	DT-C0-5W066891-PHX-26	5/1/2026	5/1/2027	EACH OCCURRENCE \$ 2,000,000
	☐ CLAIMS-MADE ☒ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000
	☒ CGD246 04/19						MED EXP (Any one person) \$ 10,000
	☒ CGT100/CGD316 02/19						PERSONAL & ADV INJURY \$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:							GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 Deductible - BI/PD per occurrence \$ 10,000
B	AUTOMOBILE LIABILITY	☒	☒	810-4W969209-26-26-G	5/1/2026	5/1/2027	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000
	☒ ANY AUTO						BODILY INJURY (Per person) \$
	☐ ALL OWNED AUTOS ☒ SCHEDULED AUTOS						BODILY INJURY (Per accident) \$
	☒ HIRED AUTOS ☒ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$
☒ CAT353 02/15							Comprehensive/Collision Ded \$ 5,000
B	☒ UMBRELLA LIAB ☒ OCCUR	☒	☒	CUP-5W067181-26-26	5/1/2026	5/1/2027	EACH OCCURRENCE \$ 10,000,000
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE \$ 10,000,000
	☐ DED ☒ RETENTION \$ 10,000						\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	☐	☐	WC000313 04/84	5/1/2026	5/1/2027	☒ PER STATUTE ☐ OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B D	Builders Risk	☐	☐	QT-660-7T090557-TIL-26	5/1/2026	5/1/2027	Limit/Deductible \$ \$30mil/\$10,000
	Professional/Pollution Liab			0314-4983	5/1/2026	5/1/2027	Aggregate/Each Claim \$ \$4M-\$2M/\$5M-\$5M

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Job #26418-00 Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services Tucson Arizona.

CERTIFICATE HOLDER**CANCELLATION**

Pima County
its departments, districts, boards,
commissions, officers, officials,
agents and employees
150 W. Congress St 5th Floor
Tucson, AZ 85701-1317

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bill Passey/KORI

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COMMENTS/REMARKS

Excess Liability - E: Policy #G48834371002 Effective 5/1/26 to 5/1/27 Limit \$5,000,000
occurrence/aggregate.
Excess Liability - F: Policy #ARCUSXC312882026 Effective 5/1/26 to 5/1/27 Limit \$4,000,000
occurrence/aggregate.

POLICY NUMBER: 810-4W969209-26-26-G

ISSUE DATE: 05-01-24

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED PERSON OR ORGANIZATION – NOTICE OF CANCELLATION PROVIDED BY US

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

SCHEDULE

CANCELLATION: **Number of Days Notice:** 30

PERSON OR

ORGANIZATION: ANY PERSON OR ORGANIZATION TO WHOM YOU HAVE AGREED IN A WRITTEN CONTRACT THAT NOTICE OF CANCELLATION OF THIS POLICY WILL BE GIVEN, BUT ONLY IF:

1. YOU SEND US A WRITTEN REQUEST TO PROVIDE SUCH NOTICE, INCLUDING THE NAME AND ADDRESS OF SUCH PERSON OR ORGANIZATION, AFTER THE FIRST NAMED INSURED RECEIVES NOTICE FROM US OF THE CANCELLATION OF THIS POLICY; AND
2. WE RECEIVE SUCH WRITTEN REQUEST AT LEAST 14 DAYS BEFORE THE BEGINNING OF THE APPLICABLE NUMBER OF DAYS SHOWN IN THIS SCHEDULE.

ADDRESS:

THE ADDRESS FOR THAT PERSON OR ORGANIZATION INCLUDED IN SUCH WRITTEN REQUEST FROM YOU TO US.

PROVISIONS

If we cancel this policy for any legally permitted reason other than nonpayment of premium, and a number of days is shown for Cancellation in the Schedule above, we will mail notice of cancellation to the person or organization shown in such Schedule. We will mail such notice to the address shown in the Schedule above at least the number of days shown for Cancellation in such Schedule before the effective date of cancellation.

POLICY NUMBER: DT-CO-5W066891-PHX-26

GENERAL PURPOSE ENDORSEMENT

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED ENTITY - NOTICE OF CANCELLATION PROVIDED BY US
IL T4 05 05 19

THIS ENDORSEMENT MODIFIES INSURANCE PROVIDED UNDER THE FOLLOWING:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

CONTINUATION OF FORM IL T4 05, PERSON OR ORGANIZATION:

ANY PERSON OR ORGANIZATION TO WHOM YOU HAVE AGREED IN A WRITTEN CONTRACT THAT
NOTICE OF CANCELLATION OF THIS POLICY WILL BE GIVEN, BUT ONLY IF:

1. YOU SEND US A WRITTEN REQUEST TO PROVIDE SUCH NOTICE, INCLUDING THE NAME
AND ADDRESS OF SUCH PERSON OR ORGANIZATION, AFTER THE FIRST NAMED INSURED
SHOWN IN THE DECLARATIONS RECEIVES NOTICE FROM US OF THE CANCELLATION OF THIS
POLICY; AND

2. WE RECEIVE SUCH WRITTEN REQUEST AT LEAST 14 DAYS BEFORE THE BEGINNING OF
THE APPLICABLE NUMBER OF DAYS SHOWN IN THIS SCHEDULE.

ADDRESS:

THE ADDRESS FOR THAT PERSON OR ORGANIZATION INCLUDED IN SUCH WRITTEN REQUEST
FROM YOU TO US.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BROAD FORM NAMED INSURED B. BLANKET ADDITIONAL INSURED C. EMPLOYEE HIRED AUTO D. EMPLOYEES AS INSURED E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS G. WAIVER OF DEDUCTIBLE – GLASS	H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT J. PERSONAL PROPERTY K. AIRBAGS L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS M. BLANKET WAIVER OF SUBROGATION N. UNINTENTIONAL ERRORS OR OMISSIONS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

C. EMPLOYEE HIRED AUTO

- 1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:**

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

- 2. The following replaces Paragraph **b.** in **B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:**

b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1)** Any covered "auto" you lease, hire, rent or borrow; and
- (2)** Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

COMMERCIAL AUTO

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph **A.2.a.(2)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph **A.2.a.(4)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph **B.7., Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph **C., Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph **C., Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

- (d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph **A.4.a.**, **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph **A.4.**, **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

- (1) Owned by an "insured"; and

- (2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph **B.3.**, **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
 - b. The airbags are not covered under any warranty; and
 - c. The airbags were not intentionally inflated.
- We will pay up to a maximum of \$1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

COMMERCIAL AUTO

such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph **B.2., Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED **(Includes Products-Completed Operations If Required By Contract)**

This endorsement modifies insurance provided under the following:
COMMERCIAL GENERAL LIABILITY COVERAGE PART

PROVISIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any person or organization that you agree in a written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only:

- a.** With respect to liability for "bodily injury" or "property damage" that occurs, or for "personal injury" caused by an offense that is committed, subsequent to the signing of that contract or agreement and while that part of the contract or agreement is in effect; and
- b.** If, and only to the extent that, such injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the written contract or agreement applies. Such person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

The insurance provided to such additional insured is subject to the following provisions:

- a.** If the Limits of Insurance of this Coverage Part shown in the Declarations exceed the minimum limits required by the written contract or agreement, the insurance provided to the additional insured will be limited to such minimum required limits. For the purposes of determining whether this limitation applies, the minimum limits required by the written contract or agreement will be considered to include the minimum limits of any Umbrella or Excess liability coverage required for the additional insured by that written contract or agreement. This provision will not increase the limits of insurance described in Section III – Limits Of Insurance.
- b.** The insurance provided to such additional insured does not apply to:

- (1)** Any "bodily injury", "property damage" or "personal injury" arising out of the providing, or failure to provide, any professional architectural, engineering or surveying services, including:

- (a)** The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and

- (b)** Supervisory, inspection, architectural or engineering activities.

- (2)** Any "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the written contract or agreement specifically requires you to provide such coverage for that additional insured during the policy period.

- c.** The additional insured must comply with the following duties:

- (1)** Give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:

- (a)** How, when and where the "occurrence" or offense took place;

- (b)** The names and addresses of any injured persons and witnesses; and

- (c)** The nature and location of any injury or damage arising out of the "occurrence" or offense.

- (2)** If a claim is made or "suit" is brought against the additional insured:

COMMERCIAL GENERAL LIABILITY

- (a) Immediately record the specifics of the claim or "suit" and the date received; and
 - (b) Notify us as soon as practicable and see to it that we receive written notice of the claim or "suit" as soon as practicable.
- (3) Immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- (4) Tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover such additional insured for a loss we cover. However, this condition does not affect whether the insurance provided to such additional insured is primary to other insurance available to such additional insured which covers that person or organization as a named insured as described in Paragraph 4., Other Insurance, of Section IV – Commercial General Liability Conditions.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

XTEND ENDORSEMENT FOR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. Who Is An Insured – Unnamed Subsidiaries B. Blanket Additional Insured – Governmental Entities – Permits Or Authorizations Relating To Operations	C. Incidental Medical Malpractice D. Blanket Waiver Of Subrogation E. Contractual Liability – Railroads F. Damage To Premises Rented To You

PROVISIONS

A. WHO IS AN INSURED – UNNAMED SUBSIDIARIES

The following is added to **SECTION II – WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if:

- a. You are the sole owner of, or maintain an ownership interest of more than 50% in, such subsidiary on the first day of the policy period; and
- b. Such subsidiary is not an insured under similar other insurance.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal and advertising injury" caused by an offense committed:

- a. Before you maintained an ownership interest of more than 50% in such subsidiary; or
- b. After the date, if any, during the policy period that you no longer maintain an ownership interest of more than 50% in such subsidiary.

For purposes of Paragraph 1. of Section II – Who Is An Insured, each such subsidiary will be deemed to be designated in the Declarations as:

- a. An organization other than a partnership, joint venture or limited liability company; or
- b. A trust;

as indicated in its name or the documents that govern its structure.

B. BLANKET ADDITIONAL INSURED – GOVERNMENTAL ENTITIES – PERMITS OR AUTHORIZATIONS RELATING TO OPERATIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any governmental entity that has issued a permit or authorization with respect to operations performed by you or on your behalf and that you are required by any ordinance, law, building code or written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" arising out of such operations.

The insurance provided to such governmental entity does not apply to:

- a. Any "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the governmental entity; or
- b. Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

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C. INCIDENTAL MEDICAL MALPRACTICE

1. The following replaces Paragraph **b.** of the definition of "occurrence" in the **DEFINITIONS** Section:

b. An act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

2. The following replaces the last paragraph of Paragraph **2.a.(1)** of **SECTION II – WHO IS AN INSURED**:

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a), (b), (c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide:

(a) "Incidental medical services" by any of your "employees" who is a nurse, nurse assistant, emergency medical technician or paramedic; or

(b) First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

3. The following replaces the last sentence of Paragraph **5.** of **SECTION III – LIMITS OF INSURANCE**:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph **2.**, **Exclusions**, of **SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of

pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

a. Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or

b. The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

6. The following is added to Paragraph **4.b.**, **Excess Insurance**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section II – Who Is An Insured.

D. BLANKET WAIVER OF SUBROGATION

The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

a. "Bodily injury" or "property damage" that occurs; or

b. "Personal and advertising injury" caused by an offense that is committed;

subsequent to the execution of the contract or agreement.

E. CONTRACTUAL LIABILITY – RAILROADS

1. The following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:

c. Any easement or license agreement;

COMMERCIAL GENERAL LIABILITY

2. Paragraph **f.(1)** of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

F. DAMAGE TO PREMISES RENTED TO YOU

The following replaces the definition of "premises damage" in the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

- a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or
- b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations, and any other person or organization qualifying as a Named Insured under this policy. The words "we", "us" and "our" refer to the company providing this insurance.

The word "insured" means any person or organization qualifying as such under Section II – Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section V – Definitions.

SECTION I – COVERAGES

COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

- a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result. But:

- (1) The amount we will pay for damages is limited as described in Section III – Limits Of Insurance; and
- (2) Our right and duty to defend end when we have used up the applicable limit of insurance in the payment of judgments or settlements under Coverages A or B or medical expenses under Coverage C.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments.

- b. This insurance applies to "bodily injury" and "property damage" only if:

- (1) The "bodily injury" or "property damage" is caused by an "occurrence" that takes place in the "coverage territory";
- (2) The "bodily injury" or "property damage" occurs during the policy period; and
- (3) Prior to the policy period, no insured listed under Paragraph 1. of Section II – Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.

- c. "Bodily injury" or "property damage" which occurs during the policy period and was not, prior to the policy period, known to have occurred by any insured listed under Paragraph 1. of Section II – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim, includes any continuation, change or resumption of that "bodily injury" or "property damage" after the end of the policy period.

- d. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph 1. of Section II – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

- (1) Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;
- (2) Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or
- (3) Becomes aware by any other means that "bodily injury" or "property damage" has occurred or has begun to occur.

COMMERCIAL GENERAL LIABILITY

- e. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages:

- (1) That the insured would have in the absence of the contract or agreement; or
- (2) Assumed in a contract or agreement that is an "insured contract", provided that the "bodily injury" or "property damage" occurs subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed in an "insured contract", reasonable attorneys' fees and necessary litigation expenses incurred by or for a party other than an insured will be deemed to be damages because of "bodily injury" or "property damage", provided that:
 - (a) Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and
 - (b) Such attorneys' fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

c. Liquor Liability

"Bodily injury" or "property damage" for which any insured may be held liable by reason of:

- (1) Causing or contributing to the intoxication of any person;
- (2) The furnishing of alcoholic beverages to a person under the legal drinking age or under the influence of alcohol; or

- (3) Any statute, ordinance or regulation relating to the sale, gift, distribution or use of alcoholic beverages.

This exclusion applies only if you are in the business of manufacturing, distributing, selling, serving or furnishing alcoholic beverages. For the purposes of this exclusion, permitting a person to bring alcoholic beverages on your premises, for consumption on your premises, whether or not a fee is charged or a license is required for such activity, is not by itself considered the business of selling, serving or furnishing alcoholic beverages.

d. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law.

e. Employer's Liability

"Bodily injury" to:

- (1) An "employee" of the insured arising out of and in the course of:
 - (a) Employment by the insured; or
 - (b) Performing duties related to the conduct of the insured's business; or
- (2) The spouse, child, parent, brother or sister of that "employee" as a consequence of Paragraph (1) above.

This exclusion applies whether the insured may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to liability assumed by the insured under an "insured contract".

f. Pollution

- (1) "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":
 - (a) At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured. However, this subparagraph does not apply to:
 - (i) "Bodily injury" if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that

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is used to heat, cool or dehumidify the building, or produced by or originating from equipment that is used to heat water for personal use by the building's occupants or their guests;

- (ii) "Bodily injury" or "property damage" for which you may be held liable, if you are a contractor and the owner or lessee of such premises, site or location has been added to your policy as an additional insured with respect to your ongoing operations performed for that additional insured at that premises, site or location and such premises, site or location is not and never was owned or occupied by, or rented or loaned to, any insured, other than that additional insured; or
- (iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";
- (b) At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;
- (c) If such "pollutants" are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for:
 - (i) Any insured; or
 - (ii) Any person or organization for whom you may be legally responsible;
- (d) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor. However, this subparagraph does not apply to:
 - (i) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed

to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;

- (ii) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by you or on your behalf by a contractor or subcontractor; or
 - (iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire"; or
 - (e) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are or were at any time performing operations to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants".
- (2) Any loss, cost or expense arising out of any:
- (a) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or

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- (b) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

g. Aircraft, Auto Or Watercraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft, "auto" or watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any aircraft, "auto" or watercraft that is owned or operated by or rented or loaned to any insured.

This exclusion does not apply to:

- (1) A watercraft while ashore on premises you own or rent;
- (2) A watercraft you do not own that is:
 - (a) 50 feet long or less; and
 - (b) Not being used to carry any person or property for a charge;
- (3) Parking an "auto" on, or on the ways next to, premises you own or rent, provided the "auto" is not owned by or rented or loaned to you or the insured;
- (4) Liability assumed under any "insured contract" for the ownership, maintenance or use of aircraft or watercraft;
- (5) "Bodily injury" or "property damage" arising out of:
 - (a) The operation of machinery or equipment that is attached to, or part of, a land vehicle that would qualify as "mobile equipment" under the definition of "mobile equipment" if such land vehicle were not subject to a compulsory or financial responsibility law, or other motor vehicle insurance law, where it is licensed or principally garaged; or
 - (b) The operation of any of the machinery or equipment listed in Paragraph f.(2) or f.(3) of the definition of "mobile equipment"; or

(6) An aircraft that is:

- (a) Chartered with a pilot to any insured;
- (b) Not owned by any insured; and
- (c) Not being used to carry any person or property for a charge.

h. Mobile Equipment

"Bodily injury" or "property damage" arising out of:

- (1) The transportation of "mobile equipment" by an "auto" owned or operated by or rented or loaned to any insured; or
- (2) The use of "mobile equipment" in, or while in practice for, or while being prepared for, any prearranged racing, speed, demolition, or stunting activity.

i. War

"Bodily injury" or "property damage" arising out of:

- (1) War, including undeclared or civil war;
- (2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

j. Damage To Property

"Property damage" to:

- (1) Property you own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;
- (2) Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises;
- (3) Property loaned to you;
- (4) Personal property in the care, custody or control of the insured;

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- (5) That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations, if the "property damage" arises out of those operations; or
- (6) That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it.

Paragraphs (1), (3) and (4) of this exclusion do not apply to "premises damage". A separate limit of insurance applies to "premises damage" as described in Paragraph 6. of Section III – Limits Of Insurance.

Paragraph (2) of this exclusion does not apply if the premises are "your work" and were never occupied, rented or held for rental by you.

Paragraphs (3), (4), (5) and (6) of this exclusion do not apply to liability assumed under a sidetrack agreement.

Paragraph (6) of this exclusion does not apply to "property damage" included in the "products-completed operations hazard".

k. Damage To Your Product

"Property damage" to "your product" arising out of it or any part of it.

l. Damage To Your Work

"Property damage" to "your work" arising out of it or any part of it and included in the "products-completed operations hazard".

This exclusion does not apply if the damaged work or the work out of which the damage arises was performed on your behalf by a subcontractor.

m. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

- (1) A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or
- (2) A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and

accidental physical injury to "your product" or "your work" after it has been put to its intended use.

n. Recall Of Products, Work Or Impaired Property

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- (1) "Your product";
- (2) "Your work"; or
- (3) "Impaired property";

if such product, work, or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

o. Personal And Advertising Injury

"Bodily injury" arising out of "personal and advertising injury".

p. Electronic Data

Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data".

However, this exclusion does not apply to liability for damages because of "bodily injury".

q. Unsolicited Communication

"Bodily injury" or "property damage" arising out of any actual or alleged violation of any law that restricts or prohibits the sending, transmitting or distributing of "unsolicited communication".

r. Access Or Disclosure Of Confidential Or Personal Information

"Bodily injury" or "property damage" arising out of any access to or disclosure of any person's or organization's confidential or personal information.

s. Asbestos

- (1) "Bodily injury" or "property damage" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the "bodily injury" or "property damage" is caused or contributed to by the hazardous properties of asbestos.

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(2) "Bodily injury" or "property damage" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that are part of any claim or "suit" which also alleges any "bodily injury" or "property damage" described in Paragraph (1) above.

(3) Any loss, cost or expense arising out of any:

- (a) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, asbestos, asbestos fibers or products containing asbestos; or
- (b) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, asbestos, asbestos fibers or products containing asbestos.

t. Employment-Related Practices

"Bodily injury" to:

(1) A person arising out of any:

- (a) Refusal to employ that person;
- (b) Termination of that person's employment; or
- (c) Employment-related practice, policy, act or omission, such as coercion, demotion, evaluation, reassignment, discipline, failure to promote or advance, harassment, humiliation, discrimination, libel, slander, violation of the person's right of privacy, malicious prosecution or false arrest, detention or imprisonment applied to or directed at that person, regardless of whether such practice, policy, act or omission occurs, is applied or is committed before, during or after the time of that person's employment; or

(2) The spouse, child, parent, brother or sister of that person as a consequence of "bodily injury" to that person at whom any of the

employment-related practices described in Paragraph (a), (b), or (c) above is directed.

This exclusion applies whether the insured may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the "bodily injury".

Exclusions c. through n. do not apply to "premises damage". A separate limit of insurance applies to "premises damage" as described in Paragraph 6. of Section III – Limits Of Insurance.

COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY

1. Insuring Agreement

a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "personal and advertising injury" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "personal and advertising injury" to which this insurance does not apply. We may, at our discretion, investigate any offense and settle any claim or "suit" that may result. But:

(1) The amount we will pay for damages is limited as described in Section III – Limits Of Insurance; and

(2) Our right and duty to defend end when we have used up the applicable limit of insurance in the payment of judgments or settlements under Coverages A or B or medical expenses under Coverage C.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments.

b. This insurance applies to "personal and advertising injury" caused by an offense arising out of your business but only if the offense was committed in the "coverage territory" during the policy period.

2. Exclusions

This insurance does not apply to:

a. Knowing Violation Of Rights Of Another

"Personal and advertising injury" caused by or at the direction of the insured with the knowledge that the act would violate the rights of another and would inflict "personal and advertising injury".

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f. Breach Of Contract
"Advertising injury" arising out of a breach of contract.
g. Quality Or Performance Of Goods – Failure To Conform To Statements
"Advertising injury" arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement".

h. Wrong Description Of Prices
"Advertising injury" arising out of the wrong description of the price of goods, products or services stated in your "advertisement".
i. Intellectual Property
"Personal and advertising injury" arising out of any actual or alleged infringement or violation of any of the following rights or laws, or any other "personal and advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation:

- (1) Copyright;
 - (2) Patent;
 - (3) Trade dress;
 - (4) Trade name;
 - (5) Trademark;
 - (6) Trade secret; or
 - (7) Other intellectual property rights or laws.
- This exclusion does not apply to:

- (1) "Advertising injury" arising out of any actual or alleged infringement or violation of another's copyright, "title" or "slogan" in your "advertisement"; or
- (2) Any other "personal and advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation of another's copyright, "title" or "slogan" in your "advertisement".

j. Insureds In Media And Internet Type Businesses

"Personal and advertising injury" caused by an offense committed by an insured whose business is:

- (1) Advertising, "broadcasting" or publishing;

b. Material Published With Knowledge Of Falsity
This exclusion does not apply to "personal injury" caused by malicious prosecution.

c. Material Published Or Used Prior To Policy Period
"Personal and advertising injury" arising out of oral or written publication, including publication by electronic means, if done by or at the direction of the insured with knowledge of its falsity.

d. Criminal Acts
"Personal and advertising injury" arising out of a criminal act committed by or at the direction of the insured.
e. Contractual Liability
"Personal and advertising injury" for which the insured has assumed liability in a contract or agreement. This exclusion does not apply to liability for damages:

- (1) That the insured would have in the absence of the contract or agreement; or

- (2) Because of "personal injury" assumed by you in a contract or agreement that is an "insured contract", provided that the "personal injury" is caused by an offense committed subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed by you in an "insured contract", reasonable attorneys' fees and necessary litigation expenses incurred by or for a party other than an insured will be deemed to be damages because of "personal injury", provided that:

- (a) Liability to such party for, or for the cost of, that party's defense has also been assumed by you in the same "insured contract"; and
- (b) Such attorneys' fees and litigation expenses are for defense of that party

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- (2) Designing or determining content of websites for others; or
- (3) An Internet search, access, content or service provider.

However, this exclusion does not apply to Paragraphs a.(1), (2) and (3) of the definition of "personal injury".

For the purposes of this exclusion:

- (1) Creating and producing correspondence written in the conduct of your business, bulletins, financial or annual reports, or newsletters about your goods, products or services will not be considered the business of publishing; and
- (2) The placing of frames, borders or links, or advertising, for you or others anywhere on the Internet will not, by itself, be considered the business of advertising, "broadcasting" or publishing.

k. Electronic Chatrooms Or Bulletin Boards

"Personal and advertising injury" arising out of an electronic chatroom or bulletin board the insured hosts or owns, or over which the insured exercises control.

l. Unauthorized Use Of Another's Name Or Product

"Personal and advertising injury" arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatag, or any other similar tactics to mislead another's potential customers.

m. Pollution

"Personal and advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at any time.

n. Pollution-Related

Any loss, cost or expense arising out of any:

- (1) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
- (2) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or

neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

o. War

"Personal and advertising injury" arising out of:

- (1) War, including undeclared or civil war;
- (2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

p. Unsolicited Communication

"Personal and advertising injury" arising out of any actual or alleged violation of any law that restricts or prohibits the sending, transmitting or distributing of "unsolicited communication".

q. Access Or Disclosure Of Confidential Or Personal Information

"Personal and advertising injury" arising out of any access to or disclosure of any person's or organization's confidential or personal information.

r. Asbestos

- (1) "Personal and advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the "personal and advertising injury" is caused or contributed to by the hazardous properties of asbestos.
- (2) "Personal and advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that are part of any claim or "suit" which also alleges any "personal and advertising injury" described in Paragraph (1) above.
- (3) Any loss, cost or expense arising out of any:
 - (a) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or

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assess the effects of, asbestos, asbestos fibers or products containing asbestos; or

- (b) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, asbestos, asbestos fibers or products containing asbestos.

s. Employment-Related Practices

"Personal injury" to:

- (1) A person arising out of any:
 - (a) Refusal to employ that person;
 - (b) Termination of that person's employment; or
 - (c) Employment-related practice, policy, act or omission, such as coercion, demotion, evaluation, reassignment, discipline, failure to promote or advance, harassment, humiliation, discrimination, libel, slander, violation of the person's right of privacy, malicious prosecution or false arrest, detention or imprisonment applied to or directed at that person, regardless of whether such practice, policy, act or omission occurs, is applied or is committed before, during or after the time of that person's employment; or
- (2) The spouse, child, parent, brother or sister of that person as a consequence of "personal injury" to that person at whom any of the employment-related practices described in Paragraph (a), (b), or (c) above is directed.

This exclusion applies whether the insured may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the "personal injury".

COVERAGE C – MEDICAL PAYMENTS

1. Insuring Agreement

- a. We will pay medical expenses as described below for "bodily injury" caused by an accident:
 - (1) On premises you own or rent;
 - (2) On ways next to premises you own or rent; or

- (3) Because of your operations;

provided that:

- (a) The accident takes place in the "coverage territory" and during the policy period;
 - (b) The expenses are incurred and reported to us within one year of the date of the accident; and
 - (c) The injured person submits to examination, at our expense, by physicians of our choice as often as we reasonably require.
- b. We will make these payments regardless of fault. These payments will not exceed the applicable limit of insurance. We will pay reasonable expenses for:
 - (1) First aid administered at the time of an accident;
 - (2) Necessary medical, surgical, X-ray and dental services, including prosthetic devices; and
 - (3) Necessary ambulance, hospital, professional nursing and funeral services.

2. Exclusions

We will not pay expenses for "bodily injury":

a. Any Insured

To any insured, except "volunteer workers".

b. Hired Person

To a person hired to do work for or on behalf of any insured or a tenant of any insured.

c. Injury On Normally Occupied Premises

To a person injured on that part of premises you own or rent that the person normally occupies.

d. Workers' Compensation And Similar Laws

To a person, whether or not an "employee" of any insured, if benefits for the "bodily injury" are payable or must be provided under a workers' compensation or disability benefits law or a similar law.

e. Athletics Activities

To a person injured while practicing, instructing or participating in any physical exercises or games, sports, or athletic contests.

f. Products-Completed Operations Hazard

Included within the "products-completed operations hazard".

g. Coverage A Exclusions

Excluded under Coverage A.

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SUPPLEMENTARY PAYMENTS

1. We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:
 - a. All expenses we incur.
 - b. Up to \$2,500 for the cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these bonds.
 - c. The cost of bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
 - d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$500 a day because of time off from work.
 - e. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
 - f. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
 - g. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.

These payments will not reduce the limits of insurance.
2. If we defend an insured against a "suit" and an indemnitee of the insured is also named as a party to the "suit", we will defend that indemnitee if all of the following conditions are met:
 - a. The "suit" against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an "insured contract";
 - b. This insurance applies to such liability assumed by the insured;
 - c. The obligation to defend, or the cost of the defense of, that indemnitee, has also been

assumed by the insured in the same "insured contract";

- d. The allegations in the "suit" and the information we know about the "occurrence" or offense are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;
- e. The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such "suit" and agree that we can assign the same counsel to defend the insured and the indemnitee; and
- f. The indemnitee:
 - (1) Agrees in writing to:
 - (a) Cooperate with us in the investigation, settlement or defense of the "suit";
 - (b) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the "suit";
 - (c) Notify any other insurer whose coverage is available to the indemnitee; and
 - (d) Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and
 - (2) Provides us with written authorization to:
 - (a) Obtain records and other information related to the "suit"; and
 - (b) Conduct and control the defense of the indemnitee in such "suit".

So long as the above conditions are met, attorneys' fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Notwithstanding the provisions of Paragraph 2.b.(2) of Section I – Coverages – Coverage A – Bodily Injury And Property Damage Liability or Paragraph 2.e. of Section I – Coverages – Coverage B – Personal And Advertising Injury Liability, such payments will not be deemed to be damages for "bodily injury", "property damage" or "personal injury", and will not reduce the limits of insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when:

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- a. We have used up the applicable limit of insurance in the payment of judgments, settlements or medical expenses; or
- b. The conditions set forth above, or the terms of the agreement described in Paragraph f. above, are no longer met.

SECTION II – WHO IS AN INSURED

1. If you are designated in the Declarations as:

- a. An individual, you and your spouse are insureds, but only with respect to the conduct of a business of which you are the sole owner.
- b. A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to the conduct of your business.
- c. A limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers.
- d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.
- e. A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.

2. Each of the following is also an insured:

- a. Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "executive officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business. However, none of these "employees" or "volunteer workers" are insureds for:

(1) "Bodily injury" or "personal injury":

- (a) To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer

workers" while performing duties related to the conduct of your business;

- (b) To the spouse, child, parent, brother or sister of that co-"employee" or "volunteer worker" as a consequence of Paragraph (1)(a) above;
- (c) For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraph (1)(a) or (b) above; or
- (d) Arising out of his or her providing or failing to provide professional health care services.

Unless you are in the business or occupation of providing professional health care services, Paragraphs (1)(a), (b), (c) and (d) above do not apply to "bodily injury" arising out of providing or failing to provide first aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

(2) "Property damage" to property:

- (a) Owned, occupied or used by;
- (b) Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by;

you, any of your "employees", "volunteer workers", any partner or member (if you are a partnership or joint venture), or any member (if you are a limited liability company).

- b. Any person (other than your "employee" or "volunteer worker"), or any organization, while acting as your real estate manager.
- c. Any person or organization having proper temporary custody of your property if you die, but only:
 - (1) With respect to liability arising out of the maintenance or use of that property; and
 - (2) Until your legal representative has been appointed.

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- d. Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this Coverage Part.
- e. Any person or organization that, with your express or implied consent, either uses or is responsible for the use of a watercraft that you do not own that is:
 - (1) 50 feet long or less; and
 - (2) Not being used to carry any person or property for a charge.
- 3. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and of which you are the sole owner or in which you maintain an ownership interest of more than 50%, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:
 - a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier;
 - b. Coverage **A** does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization; and
 - c. Coverage **B** does not apply to "personal and advertising injury" arising out of an offense committed before you acquired or formed the organization.

For the purposes of Paragraph 1. of Section II – Who Is An Insured, each such organization will be deemed to be designated in the Declarations as:

- a. An organization, other than a partnership, joint venture or limited liability company; or
 - b. A trust;
- as indicated in its name or the documents that govern its structure.
- 4. Any person or organization that is a premises owner, manager or lessor and that you have agreed in a written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" that:
 - a. Is "bodily injury" or "property damage" that occurs, or is "personal and advertising injury" caused by an offense that is committed, subsequent to the signing of that contract or agreement; and

- b. Arises out of the ownership, maintenance or use of that part of any premises leased to you.

The insurance provided to such premises owner, manager or lessor is subject to the following provisions:

- a. The limits of insurance provided to such premises owner, manager or lessor will be the minimum limits that you agreed to provide in the written contract or agreement, or the limits shown in the Declarations, whichever are less.
- b. The insurance provided to such premises owner, manager or lessor does not apply to:
 - (1) Any "bodily injury" or "property damage" that occurs, or "personal and advertising injury" caused by an offense that is committed, after you cease to be a tenant in that premises; or
 - (2) Structural alterations, new construction or demolition operations performed by or on behalf of such premises owner, manager or lessor.
- 5. Any person or organization that is an equipment lessor and that you have agreed in a written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage", or "personal and advertising injury" that:
 - a. Is "bodily injury" or "property damage" that occurs, or is "personal and advertising injury" caused by an offense that is committed, subsequent to the signing of that contract or agreement; and
 - b. Is caused, in whole or in part, by your acts or omissions in the maintenance, operation or use of equipment leased to you by such equipment lessor.

The insurance provided to such equipment lessor is subject to the following provisions:

- a. The limits of insurance provided to such equipment lessor will be the minimum limits that you agreed to provide in the written contract or agreement, or the limits shown in the Declarations, whichever are less.
- b. The insurance provided to such equipment lessor does not apply to any "bodily injury" or "property damage" that occurs, or "personal and advertising injury" caused by an offense that is committed, after the equipment lease expires.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint

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venture or limited liability company that is not shown as a Named Insured in the Declarations. This paragraph does not apply to any such partnership, joint venture or limited liability company that otherwise qualifies as an insured under Section II – Who Is An Insured.

SECTION III – LIMITS OF INSURANCE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
2. The General Aggregate Limit is the most we will pay for the sum of:
 - a. Medical expenses under Coverage C;
 - b. Damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard"; and
 - c. Damages under Coverage B.
3. The Products-Completed Operations Aggregate Limit is the most we will pay under Coverage A for damages because of "bodily injury" and "property damage" included in the "products-completed operations hazard".
4. Subject to Paragraph 2. above, the Personal And Advertising Injury Limit is the most we will pay under Coverage B for the sum of all damages because of all "personal injury" and "advertising injury" sustained by any one person or organization.
5. Subject to Paragraph 2. or 3. above, whichever applies, the Each Occurrence Limit is the most we will pay for the sum of:
 - a. Damages under Coverage A; and
 - b. Medical expenses under Coverage C; because of all "bodily injury" and "property damage" arising out of any one "occurrence".

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".
6. Subject to Paragraph 5. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage A for damages because of "premises damage" to any one premises. The Damage To Premises Rented To You Limit will be:

- a. The amount shown for the Damage To Premises Rented To You Limit in the Declarations of this Coverage Part; or
- b. \$300,000 if no amount is shown for the Damage To Premises Rented To You Limit in the Declarations of this Coverage Part.

7. Subject to Paragraph 5. above, the Medical Expense Limit is the most we will pay under Coverage C for all medical expenses because of "bodily injury" sustained by any one person.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**1. Bankruptcy**

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

2. Duties In The Event Of Occurrence, Offense, Claim Or Suit

- a. You must see to it that we are notified as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, notice should include:
 - (1) How, when and where the "occurrence" or offense took place;
 - (2) The names and addresses of any injured persons and witnesses; and
 - (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.
- b. If a claim is made or "suit" is brought against any insured, you must:
 - (1) Immediately record the specifics of the claim or "suit" and the date received; and
 - (2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.
- c. You and any other involved insured must:
 - (1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";

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- (2) Authorize us to obtain records and other information;
 - (3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and
 - (4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.
- d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.
- e. The following provisions apply to Paragraph a. above, but only for purposes of the insurance provided under this Coverage Part to you or any insured listed in Paragraph 1. or 2. of Section II – Who Is An Insured:
- (1) Notice to us of such "occurrence" or offense must be given as soon as practicable only after the "occurrence" or offense is known to you (if you are an individual), any of your partners or members who is an individual (if you are a partnership or joint venture), any of your managers who is an individual (if you are a limited liability company), any of your "executive officers" or directors (if you are an organization other than a partnership, joint venture, or limited liability company), any of your trustees who is an individual (if you are a trust) or any "employee" authorized by you to give notice of an "occurrence" or offense.
 - (2) If you are a partnership, joint venture, limited liability company or trust, and none of your partners, joint venture members, managers or trustees are individuals, notice to us of such "occurrence" or offense must be given as soon as practicable only after the "occurrence" or offense is known by:
 - (a) Any individual who is:
 - (i) A partner or member of any partnership or joint venture;
 - (ii) A manager of any limited liability company;
 - (iii) An executive officer or director of any other organization; or
 - (iv) A trustee of any trust;
 that is your partner, joint venture member, manager or trustee; or
 - (b) Any employee authorized by such partnership, joint venture, limited liability company, trust or other organization to give notice of an "occurrence" or offense.
 - (3) Notice to us of such "occurrence" or offense will be deemed to be given as soon as practicable if it is given in good faith as soon as practicable to your workers' compensation insurer. This applies only if you subsequently give notice to us of the "occurrence" or offense as soon as practicable after any of the persons described in Paragraph e.(1) or (2) above discovers that the "occurrence" or offense may result in sums to which the insurance provided under this Coverage Part may apply.
- However, if this policy includes an endorsement that provides limited coverage for "bodily injury" or "property damage" or pollution costs arising out of a discharge, release or escape of "pollutants" which contains a requirement that the discharge, release or escape of "pollutants" must be reported to us within a specific number of days after its abrupt commencement, this Paragraph e. does not affect that requirement.
- ### 3. Legal Action Against Us
- No person or organization has a right under this Coverage Part:
- a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
 - b. To sue us on this Coverage Part unless all of its terms have been fully complied with.
- A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this Coverage Part or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured, and the claimant or the claimant's legal representative.

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4. Other Insurance

If valid and collectible other insurance is available to the insured for a loss we cover under Coverages **A** or **B** of this Coverage Part, our obligations are limited as described in Paragraphs **a.** and **b.** below.

As used anywhere in this Coverage Part, other insurance means insurance, or the funding of losses, that is provided by, through or on behalf of:

- (i) Another insurance company;
- (ii) Us or any of our affiliated insurance companies, except when the Non cumulation of Each Occurrence Limit provision of Paragraph **5.** of Section **III** – Limits Of Insurance or the Non cumulation of Personal and Advertising Injury Limit provision of Paragraph **4.** of Section **III** – Limits of Insurance applies because the Amendment – Non Cumulation Of Each Occurrence Limit Of Liability And Non Cumulation Of Personal And Advertising Injury Limit endorsement is included in this policy;
- (iii) Any risk retention group; or
- (iv) Any self-insurance method or program, in which case the insured will be deemed to be the provider of other insurance.

Other insurance does not include umbrella insurance, or excess insurance, that was bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

As used anywhere in this Coverage Part, other insurer means a provider of other insurance. As used in Paragraph **c.** below, insurer means a provider of insurance.

a. Primary Insurance

This insurance is primary except when Paragraph **b.** below applies. If this insurance is primary, our obligations are not affected unless any of the other insurance is also primary. Then, we will share with all that other insurance by the method described in Paragraph **c.** below, except when Paragraph **d.** below applies.

b. Excess Insurance

- (1) This insurance is excess over:
 - (a) Any of the other insurance, whether primary, excess, contingent or on any other basis:
 - (i) That is Fire, Extended Coverage, Builder's Risk, Installation Risk or similar coverage for "your work";

- (ii) That is insurance for "premises damage";

- (iii) If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to any exclusion in this Coverage Part that applies to aircraft, "autos" or watercraft;

- (iv) That is insurance available to a premises owner, manager or lessor that qualifies as an insured under Paragraph **4.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies; or

- (v) That is insurance available to an equipment lessor that qualifies as an insured under Paragraph **5.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies.

- (b) Any of the other insurance, whether primary, excess, contingent or on any other basis, that is available to the insured when the insured is an additional insured, or is any other insured that does not qualify as a named insured, under such other insurance.

- (2) When this insurance is excess, we will have no duty under Coverages **A** or **B** to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

- (3) When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (a) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

- (b) The total of all deductible and self-insured amounts under all that other insurance.

- (4) We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

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c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

d. Primary And Non-Contributory Insurance If Required By Written Contract

If you specifically agree in a written contract or agreement that the insurance afforded to an insured under this Coverage Part must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such insured which covers such insured as a named insured, and we will not share with that other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal and advertising injury" for which coverage is sought is caused by an offense that is committed;

subsequent to the signing of that contract or agreement by you.

5. Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.
- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

By accepting this policy, you agree:

- a. The statements in the Declarations are accurate and complete;
- b. Those statements are based upon representations you made to us; and
- c. We have issued this policy in reliance upon your representations.

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
 - a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

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2. "Advertising injury":
 - a. Means injury caused by one or more of the following offenses:
 - (1) Oral or written publication, including publication by electronic means, of material in your "advertisement" that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged;
 - (2) Oral or written publication, including publication by electronic means, of material in your "advertisement" that:
 - (a) Appropriates a person's name, voice, photograph or likeness; or
 - (b) Unreasonably places a person in a false light; or
 - (3) Infringement of copyright, "title" or "slogan" in your "advertisement", provided that the claim is made or the "suit" is brought by a person or organization that claims ownership of such copyright, "title" or "slogan".
 - b. Includes "bodily injury" caused by one or more of the offenses described in Paragraph a. above.
3. "Auto" means:
 - a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
 - b. Any other land vehicle that is subject to a compulsory or financial responsibility law, or other motor vehicle insurance law, where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".
4. "Bodily injury" means:
 - a. Physical harm, including sickness or disease, sustained by a person; or
 - b. Mental anguish, injury or illness, or emotional distress, resulting at any time from such physical harm, sickness or disease.
5. "Broadcasting" means transmitting any audio or visual material for any purpose:
 - a. By radio or television; or
 - b. In, by or with any other electronic means of communication, such as the Internet, if that material is part of:
 - (1) Radio or television programming being transmitted;
 - (2) Other entertainment, educational, instructional, music or news programming being transmitted; or
 - (3) Advertising transmitted with any of such programming.
6. "Coverage territory" means:
 - a. The United States of America (including its territories and possessions), Puerto Rico and Canada;
 - b. International waters or airspace, but only if the injury or damage occurs in the course of travel or transportation between any places included in Paragraph a. above; or
 - c. All other parts of the world if the injury or damage arises out of:
 - (1) Goods or products made or sold by you in the territory described in Paragraph a. above;
 - (2) The activities of a person whose home is in the territory described in Paragraph a. above, but is away for a short time on your business; or
 - (3) "Personal and advertising injury" offenses that take place through the Internet or similar electronic means of communication;

provided the insured's responsibility to pay damages is determined in a "suit" on the merits in the territory described in Paragraph a. above, or in a settlement we agree to.
7. "Electronic data" means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software (including systems and applications software), hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.
8. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".
9. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.

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10. "Good Samaritan services" means any emergency medical services for which no compensation is demanded or received.
11. "Hostile fire" means a fire which becomes uncontrollable or breaks out from where it was intended to be.
12. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:
 - a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or
 - b. You have failed to fulfill the terms of a contract or agreement;if such property can be restored to use by the repair, replacement, adjustment or removal of "your product" or "your work" or your fulfilling the terms of the contract or agreement.
13. "Insured contract" means:
 - a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for "premises damage" is not an "insured contract";
 - b. A sidetrack agreement;
 - c. Any easement or license agreement, except in connection with construction or demolition operations on or within 50 feet of a railroad;
 - d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
 - e. An elevator maintenance agreement;
 - f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury", "property damage" or "personal injury" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph f. does not include that part of any contract or agreement:

 - (1) That indemnifies a railroad for "bodily injury" or "property damage" arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, roadbeds, tunnel, underpass or crossing;
 - (2) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a) Preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - (b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or
 - (3) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in Paragraph (2) above and supervisory, inspection, architectural or engineering activities.
 14. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".
 15. "Loading or unloading" means the handling of property:
 - a. After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";
 - b. While it is in or on an aircraft, watercraft or "auto"; or
 - c. While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".
 16. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:
 - a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
 - b. Vehicles maintained for use solely on or next to premises you own or rent;
 - c. Vehicles that travel on crawler treads;

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d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:

- (1) Power cranes, shovels, loaders, diggers or drills; or
- (2) Road construction or resurfacing equipment such as graders, scrapers or rollers;

e. Vehicles not described in Paragraph a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:

- (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or
- (2) Cherry pickers and similar devices used to raise or lower workers;

f. Vehicles not described in Paragraph a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include any land vehicle that is subject to a compulsory or financial responsibility law, or other motor vehicle insurance law, where it is licensed or principally garaged. Such land vehicles are considered "autos".

17. "Occurrence" means:

- a. An accident, including continuous or repeated exposure to substantially the same general harmful conditions; or

- b. An act or omission committed in providing or failing to provide first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

18. "Personal and advertising injury" means "personal injury" or "advertising injury".

19. "Personal injury":

- a. Means injury, other than "advertising injury", caused by one or more of the following offenses:

- (1) False arrest, detention or imprisonment;
- (2) Malicious prosecution;
- (3) The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person occupies, provided that the wrongful eviction, wrongful entry or invasion of the right of private occupancy is committed by or on behalf of the owner, landlord or lessor of that room, dwelling or premises;
- (4) Oral or written publication, including publication by electronic means, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged; or
- (5) Oral or written publication, including publication by electronic means, of material that:
 - (a) Appropriates a person's name, voice, photograph or likeness; or
 - (b) Unreasonably places a person in a false light.

- b. Includes "bodily injury" caused by one or more of the offenses described in Paragraph a. above.

20. "Pollutants" mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.

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21. "Premises damage" means:

- a. With respect to the first paragraph of the exceptions in Exclusion j. of Section I – Coverage A – Bodily Injury And Property Damage Liability, "property damage" to any premises while rented to you for a period of seven or fewer consecutive days, including the contents of such premises; or
- b. With respect to the exception to Exclusions c. through n. in the last paragraph of Paragraph 2. of Section I – Coverage A – Bodily Injury And Property Damage Liability, "property damage" to any premises while rented to you for a period of more than seven consecutive days, or while temporarily occupied by you with permission of the owner, caused by:
 - (1) Fire;
 - (2) Explosion;
 - (3) Lightning;
 - (4) Smoke resulting from fire, explosion or lightning; or
 - (5) Water.

But "premises damage" under this Paragraph b. does not include "property damage" to any premises caused by:

- (1) Rupture, bursting, or operation of pressure relief devices;
- (2) Rupture or bursting due to expansion or swelling of the contents of any building or structure caused by or resulting from water; or
- (3) Explosion of steam boilers, steam pipes, steam engines or steam turbines.

22. "Products-completed operations hazard":

- a. Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:
 - (1) Products that are still in your physical possession; or
 - (2) Work that has not yet been completed or abandoned. However, "your work" will be deemed completed at the earliest of the following times:
 - (a) When all of the work called for in your contract has been completed.
 - (b) When all of the work to be done at the job site has been completed if your

contract calls for work at more than one job site.

- (c) When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.

Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.

- b. Does not include "bodily injury" or "property damage" arising out of:
 - (1) The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition was created by the "loading or unloading" of that vehicle by any insured;
 - (2) The existence of tools, uninstalled equipment or abandoned or unused materials; or
 - (3) Products or operations for which the classification, listed in the Declarations or in a policy Schedule, states that products-completed operations are subject to the General Aggregate Limit.

23. "Property damage" means:

- a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use will be deemed to occur at the time of the physical injury that caused it; or
- b. Loss of use of tangible property that is not physically injured. All such loss of use will be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, "electronic data" is not tangible property.

24. "Slogan":

- a. Means a phrase that others use for the purpose of attracting attention in their advertising.
- b. Does not include a phrase used as, or in, the name of:
 - (1) Any person or organization, other than you; or
 - (2) Any business, or any of the premises, goods, products, services or work, of any person or organization, other than you.

COMMERCIAL GENERAL LIABILITY

25. "Suit" means a civil proceeding in which damages because of "bodily injury", "property damage" or "personal and advertising injury" to which this insurance applies are alleged. "Suit" includes:
 - a. An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or
 - b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.
26. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.
27. "Title" means a name of a literary or artistic work.
28. "Unsolicited communication" means any communication, in any form, that the recipient of such communication did not specifically request to receive.
29. "Volunteer worker" means a person who is not your "employee", and who donates his or her work and acts at the direction of and within the scope of duties determined by you, and is not paid a fee, salary or other compensation by you or anyone else for their work performed for you.
30. "Your product":
 - a. Means:
 - (1) Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:
 - (a) You;
 - (b) Others trading under your name; or
 - (c) A person or organization whose business or assets you have acquired; and
 - (2) Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.
 - b. Includes:
 - (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your product"; and
 - (2) The providing of or failure to provide warnings or instructions.
 - c. Does not include vending machines or other property rented to or located for the use of others but not sold.
31. "Your work":
 - a. Means:
 - (1) Work or operations performed by you or on your behalf; and
 - (2) Materials, parts or equipment furnished in connection with such work or operations.
 - b. Includes:
 - (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work"; and
 - (2) The providing of or failure to provide warnings or instructions.



WORKERS COMPENSATION AND EMPLOYERS LIABILITY INSURANCE POLICY

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Anyone for whom you have agreed to provide this Waiver subject to the terms of the endorsement.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 05/01/2026 Policy No. WC1016380
Insured Hunter Contracting Co/Hunter Ditch LP/BED LLC

Endorsement No.
Premium \$ 15,045.00

Insurance Company CopperPoint Indemnity Insurance Company

Countersigned by

Authorized Representative

WC 00 03 13
(Ed. 04-1984)



PROCUREMENT DEPARTMENT
DESIGN & CONSTRUCTION DIVISION | 150 W. CONGRESS ST., 5TH FLOOR | TUCSON, AZ 85701
PHONE: 520-724-8161 | FAX: 520-724-3646

Insurance carrier verifies Pima County is named as Additional Insured to the Comprehensive Commercial General Liability policy AND the Comprehensive Automobile Liability policy referenced below, the County being added by ENDORSEMENT to the policies.

Hunter Contracting Co

Insured Firm

DT-CO-5W066891-PHX-26

Policy Number

The Phoenix Insurance Co.

Insurance Carrier

Authorized Carrier Signature

William J. Passey

Printed Name

6-22-26

Date of Signature

NOTE: This document must be included with Insurance Certificates at time of signing contract or renewing contract.

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

BOND #108474154

HUNTER CONTRACTING CO.

(hereinafter "Principal"), as Principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA (hereinafter "Surety"), a corporation organized and existing under the laws of the State of CONNECTICUT, with its principal office in the City of HARTFORD, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County, Arizona (hereinafter "Obligee") in the amount of **\$6,000,000.00, SIX MILLION AND 00/100** - for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/14/2026 for:

RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities, Repair, Rehabilitation & Construction Services HCC #26418-00 (SC2600000376)

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice to the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise, it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copies at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this 19TH day of JUNE, 20 26.

Witness our hands this 19TH day of JUNE, 20 26.

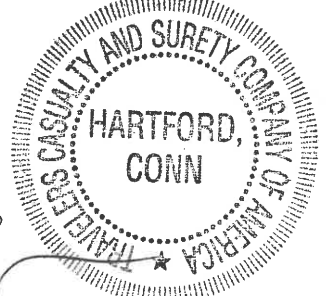
HUNTER CONTRACTING CO.
Principal

By: _____

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
Surety

By: _____

CHRISTINA V. SHRINER, ATTORNEY IN FACT



ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

BOND #108474154

HUNTER CONTRACTING CO.

(hereinafter "Principal"), as Principal, and **TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA** (hereinafter "Surety"), a corporation organized and existing under the laws of the State of **CONNECTICUT**, with its principal office in the City of **HARTFORD**, holding a certificate of authority to transact surety business in Arizona issued by the Director of Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County (hereinafter "Obligee") in the amount of **\$6,000,000.00, SIX MILLION AND 00/100** for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated 07/01/2026 for:

**RFQu-260000677 - Job Order Contract: Wastewater Conveyance System and Related Facilities,
Repair, Rehabilitation & Construction Services HCC #26418-00 (SC2600000376)**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge in the court.

Witness our hands this 19TH day of JUNE, 20 26.

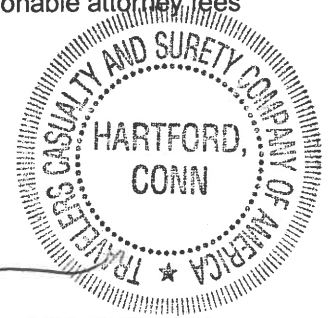
Witness our hands this 19TH day of JUNE, 20 26.

HUNTER CONTRACTING CO.
Principal

By: _____

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA By: _____
Surety

CHRISTINA V. SHRINER, ATTORNEY-IN-FACT





Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

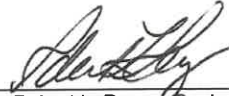
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Christina V. Shriner** of **MESA**, **Arizona**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, **2021**.



State of Connecticut

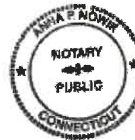
City of Hartford ss.

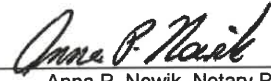
By: 
 Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, **2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2026**




 Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries, or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **19TH** day of **JUNE**, **2026**




 Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

STATE OF



ARIZONA

**DEPARTMENT OF INSURANCE
CERTIFICATE OF AUTHORITY**

I, **JOHN A. GREENE**, Director of Insurance of the State of Arizona, do hereby certify that

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
Domiciled in Connecticut
NAIC NO. 31194

is hereby authorized, subject to the provisions thereof and the Charter Powers of said Company, to transact the business of:

**CASUALTY WITH WORKERS' COMPENSATION
DISABILITY
MARINE AND TRANSPORTATION
PROPERTY
SURETY
VEHICLE**

insurance within the State of Arizona until terminated at the request of the insurer or suspended or revoked by the Director of Insurance.

Arizona Revised Statute § 20-217 (C) states:

A Certificate of Authority remains the property of the State of Arizona. Upon termination at the request of the insurer or revocation by the Director of Insurance, the insurer shall immediately deliver the Certificate of Authority to the Director of Insurance.

In TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Director of Insurance at the City of Phoenix. The effective date of this Certificate is July 1, 1997.



John A. Greene
John A. Greene
Director of Insurance

E146 (01/97)

302002

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STATE OF ARIZONA

DEPARTMENT OF INSURANCE AND FINANCIAL INSTITUTIONS

This is to certify, that this instrument is a true, full and correct copy of the original on file with the Department of Insurance and Financial Institutions of the State of Arizona and consists of 1 pages(s)

Hereunto set my hand and the official seal of this Department for the Director of Insurance and Financial Institutions this 01 December 2022.



Authorized Representative



Certificate No.:

302002

