

**BOARD OF SUPERVISORS AGENDA ITEM SUMMARY**

Requested Board Meeting Date: November 18, 2014

**ITEM SUMMARY, JUSTIFICATION and/or SPECIAL CONSIDERATIONS:**

Amendment # 02 contract # CT-WW-1400000000000000189, B&F Construction, Inc., Construction Manager at Risk Services for The South Rillito West Central Interceptor Rehabilitation – Project No. 3NRI14. This amendment adds Guaranteed Maximum Price #1 (GMP-1) in the amount of \$5,126,680.51 to the contract for the purchase of long lead equipment and materials, preliminary construction services, and community relations requirements prior to the commencement of construction activities, and for verification of underground utilities. Funding Source: RWRD Obligation Fund. Administering Department: Regional Wastewater Reclamation Department

This amendment provides for the procurement of long lead equipment and materials for the flow management requirements during construction (the construction of which to be submitted to the Board of Supervisors under a separate GMP and contract amendment at a later date), community relations efforts prior to the commencement of construction activities, potholing of existing utilities. Additional GMPs and Contract Amendments will be issued and submitted for Board of Supervisor approval for future construction phases. As indicated in the November 19, 2013 Board of Supervisors Agenda Item Summary for the initial award of this project, the total cost including pre-construction and construction phase services, is estimated not to exceed \$18,500,000.00. This amendment increases the total contract amount to \$5,801,934.29.

Effective Date: November 18, 2014

Termination Date: July 31, 2016

Original Contract Amount: \$189,292.90

Previous Amendment(s): \$485,960.88

Previous Contract Amount: \$675,253.78

Amount this Amendment: \$5,126,680.51

Revised Contract Amount: \$5,801,934.29

Project Manager: Noel Ortiz

Contract Officer: Keith E. Rogers, 724-3542  
Procurement Department

AMS# CT-WW-1400000000000000189 Ver. 4

Please return to Harry Lewis.

Cont #	:	CT-WW-14*189-02
Effective:	:	11-18-2014
Term	:	07-31-2016
Cost	:	\$ 5,126,680.51
Rev	:	
Tot	:	\$5,126,680.51
NTE	:	\$5,801,934.29
Timex	:	NO
Renewal:	:	04-01-2016
Term	:	07-31-2016

To: COB - 11-5-14  
Agenda - 11-18-14  
Ver. 4  
Vendor - 1  
Pgs. 114

CLERK OF BOARD USE ONLY: BOS MTG. \_\_\_\_\_

ITEM NO. \_\_\_\_\_

Procure Dept 11/03/14 PM 01:23

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**PIMA COUNTY REGIONAL WASTEWATER  
RECLAMATION DEPARTMENT**

**PROJECT:** Construction Manager At Risk Services  
for The North Rillito Interceptor  
Rehabilitation Project No. 3NRI14

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

**CONTRACT NO.:** CT-WW-14000000000000000189

**AMENDMENT NO.:** Two (2)

**FUNDING:** RWRD Obligation Fund

**CONTRACT**

NO. CT-WW-14000000000000000189

AMENDMENT NO. 02

This number must appear on all  
invoices, correspondence and  
documents pertaining to this  
contract.

<b>CONTRACT TERM:</b> 08/19/2013 - 07/31/2016	<b>ORIGINAL CONTRACT AMOUNT:</b>	\$	189,292.90
<b>TERMINATION PRIOR AMENDMENT:</b> 07/31/2016	<b>PRIOR AMENDMENT(S):</b>	\$	485,960.88
<b>TERMINATION THIS AMENDMENT:</b> 07/31/2016	<b>AMOUNT THIS AMENDMENT:</b>	\$	5,126,680.51
	<b>REVISED CONTRACT AMOUNT:</b>	\$	5,801,934.29

**CONSTRUCTION CONTRACT AMENDMENT**

**WHEREAS,** COUNTY and CONTRACTOR have entered into the Contract for the project referenced above; and

**WHEREAS,** COUNTY and CONTRACTOR now desire to incorporate Guaranteed Maximum Price #1(GMP-1) into the contract for the purchase of long lead equipment, preliminary construction activity, potholing of existing utilities, and coordination of community relations prior to the commencement of construction; and,

**WHEREAS,** COUNTY's acceptance of GMP-1 is subject to the understanding of the Parties that all other elements of future GMPs are and remain negotiable.

**NOW, THEREFORE,** it is agreed as follows:

**CHANGE:** The captioned contract amount to read: Not to Exceed \$5,801,934.29

**CHANGE:** ARTICLE III – PAYMENT, PHASE II: PROJECT CONSTRUCTION

Insert after the first paragraph:

Guaranteed Maximum Price #1 (GMP-1) for the purchase of long lead equipment and preliminary construction activities as identified in ATTACHMENT 2 TO APPENDIX "B" is Five Million One Hundred Twenty-Six Thousand Six Hundred Eighty Dollars and Fifty-One Cents (\$5,126,680.51). COUNTY reserves the right to negotiate the construction fee, overhead rate, and all other elements of future GMPs.

**ADD:** To APPENDIX "B", ATTACHMENT 2 TO APPENDIX "B": Construction Manager at Risk (CMAR) Services For: North Rillito Interceptor Rehabilitation Project No. 3NRI14 GMP-1 Construction Proposal Dated October 27, 2014 (112 pages, attached).

This Amendment shall be effective on November 18, 2014.

All other provisions of the Contract, not specifically changed by this amendment, shall remain in effect and be binding upon the parties.


IN WITNESS WHEREOF, the parties have affixed their signatures to this Amendment on the dates written below.

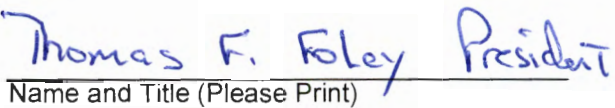
APPROVED:

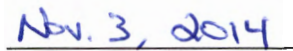
\_\_\_\_\_  
Chair, Board of Supervisors

\_\_\_\_\_  
Date

CONTRACTOR:

  
\_\_\_\_\_  
Signature

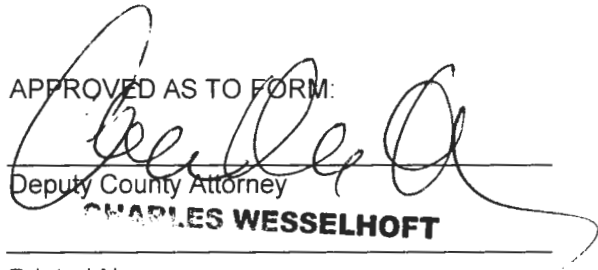
  
\_\_\_\_\_  
Name and Title (Please Print)

  
\_\_\_\_\_  
Date

ATTEST:

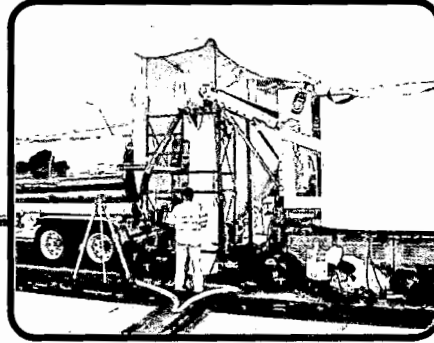
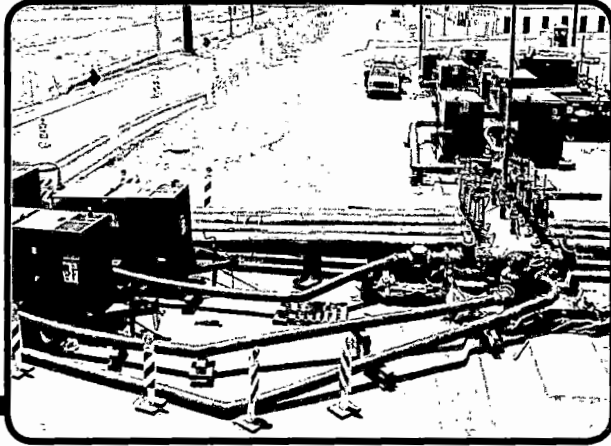
\_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Deputy County Attorney

**CHARLES WESSELHOFT**

\_\_\_\_\_  
Printed Name



Pima County Regional  
Wastewater Reclamation  
Department

Pima County Regional Wastewater Reclamation Department  
**Construction Manager at Risk (CMAR) Services for:**  
**North Rillito Interceptor Rehabilitation**  
**Project No. 3NRI14**  
**GMP-1 Construction Proposal**



Submitted by:  
B & F Contracting, Inc. POC-039744





October 27, 2014

Noel Ortiz, P.E. – RWRD Project Manager  
Pima County Regional Wastewater Reclamation Department  
3355 N. Dodge Blvd.  
Tucson, AZ 85716

**RE: Name:** Construction Manager at Risk for North Rillito Interceptor Rehabilitation  
**Project No.:** 3NRI14  
**Contract No.:** CT-WW-000000000000000189  
**B&F Job No.:** 3150

**SUBJECT: GMP-1 PROPOSAL & SUPPORTING EXHIBITS**

Dear Mr. Ortiz,

We are pleased to submit our Guaranteed Maximum Price Proposal (GMP-1), in accordance with the Pre-construction Phase Services Contract on the North Rillito Interceptor Rehabilitation Project No. 3NRI14. Attached to this cover letter you will find B&F Contracting, Inc.'s GMP-1 Proposal Packaged dated October 20, 2014, for this Construction Manager at Risk Project.

B&F proposes to complete the work associated with GMP-1 for a not-to-exceed amount of **\$5,126,680.51**. See below for the current GMP summary of costs, including the original design phase services contract:

**DESIGN PHASE SERVICES**

Design Phase Services:	\$ 189,292.90
<u>Amendment No. 01</u>	<u>\$ 485,960.88</u>
Design Phase Total:	\$ 675,253.78

**CONSTRUCTION PHASE SERVICES**

GMP-1:	\$ 5,126,680.51
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**COMBINED SERVICES TOTAL**

Design Phase:	\$675,253.78
<u>GMP-1:</u>	<u>\$5,126,680.51</u>
Current Total:	<b>\$5,801,934.29</b>

The team at B&F Contracting, Inc. wants to thank Pima County RWRD for the opportunity to provide our proposal on this CMAR. If you have any questions about this proposal, please contact Dan Foley at (520) 840-9785.

Sincerely,

Dan Foley – Project Manager  
dfoley@bfcontracting.com  
B&F Contracting, Inc.

<b>1</b>	<b>SCOPE OF WORK &amp; SUMMARY OF THE GMP</b>
<b>2</b>	<b>GMP-1 SCHEDULE OF VALUES &amp; GENERAL CONDITIONS</b>
<b>3</b>	<b>LIST OF PLANS &amp; SPECIFICATIONS</b>
<b>4</b>	<b>CLARIFICATIONS &amp; ASSUMPTIONS</b>
<b>5</b>	<b>PROJECT SCHEDULE</b>
<b>6</b>	<b>SBE UTILIZATION</b>
<b>7</b>	<b>SUBCONTRACTOR, VENDOR &amp; SUPPLIER SELECTIONS</b>
<b>8</b>	<b>CONSULTING SERVICES SUMMARY</b>
<b>9</b>	<b>BID ANALYSIS, QUOTES &amp; BACKUP</b>
<b>10</b>	<b>GENERAL REQUIREMENTS LABOR, EQUIPMENT, MATERIAL COST BREAKDOWNS</b>
<b>11</b>	<b>FMP PHASE 1, 2 and 5 COST BREAKDOWN</b>
<b>12</b>	

# EXHIBIT A

## GMP-1 PROPOSAL - TABLE OF CONTENTS

**Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department -  
North Rillito Interceptor Rehabilitation Project**

<b>Project No.</b>	3NRI14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Rd. to Sabino Creek	<b>B&amp;F Job #:</b>	3150

EXHIBIT NO.	DESCRIPTION
	Table of Contents
A.1	Scope of Work
A.2	Summary of the GMP
A.3	GMP-1 Schedule of Values
A.3.b	GMP-1 General Conditions
A.4	List of Plans & Specifications
A.5	List of Clarifications & Assumptions
A.6	Project Schedule
A.7	SBE Requirements
A.8	Vendor & Material Supplier Selections
A.9	Consulting Services Summary of Costs
A.10	Bid Analysis, Quotes & Proposal Backup
A.11	Labor, Equipment, Material Cost Breakdowns
A.12	FMP Phase 1, 2 & 5 Cost Breakdown
A.12.a	FMP Summary of Costs
A.12.b	FMP Long Lead Material Procurement Items

## EXHIBIT A.1

### SCOPE OF WORK

#### Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

<b>Project No.</b>	3NRI14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Rd. to Sabino Creek	<b>B&amp;F Job #:</b>	3150

#### GMP-1 Scope of Work

GMP-1 includes costs associated with community relations required in the design phase of the NRI Project. Flow Management Plan long lead materials such as, HDPE pipe, fittings and related components are included as well as the installation, operation and teardown of FMP Phase 1, Phase 2 and Phase 5, in order to expedite the start of the project. Trenching requirements for the FMP systems 1, 2 & 5, along with AC Restoration, Concrete and Backfill are also included. This GMP-1 also includes costs associated with the construction of the NRI Relief Sewer North Diversion Structure.

#### Project Overview

This project consists of the rehabilitation of approximately 53,000 LF (10 miles) of wastewater lines using the Cured-In-Place-Pipe (CIPP) Lining Method, including the evaluation and repair of approximately 100 manholes using epoxy coating, and the reconstruction/replacement of approximately 20 manhole. The selected stretch to be rehabilitated is from North Campbell Avenue in the West, downstream end, to North Woodland Road at the east, upstream end, mainly along the North bank of the Rillito River. Starting at Manhole 1708-13 approximately 1,200 feet West of North Campbell Ave., and ending at MH 8716-20 North Woodland Road, in an West-East Direction. The sewer line sizes range from 15 to 36 inches in diameter, with existing material including asbestos cement pipe (ACP), vitrified clay pipe (VCP), and t-lock reinforced concrete pipe (RCP).

During a CCTV Inspection project conducted in 2003, the system-wide inspection and assessment of sewer pipe identified defects in the sewer system requiring repair. The National Association of Sewer Service Companies (NASSCO) grading system was used to evaluate the pipe condition. This grading system rates pipe from Grade 1 to Grade 5, with Grade 1 being acceptable condition and Grade 5 being imminent failure. Follow up CCTV inspections conducted in 2006 and later in 2012 established that the North Rillito Interceptor (NRI) requires rehabilitation.



## **EXHIBIT A.2**

### **SUMMARY OF THE GMP**

#### **Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project**

##### **SUMMARY OF THE GMP:**

##### **ITEM 0.0 GENERAL REQUIREMENTS**

##### **Item 0.1 Traffic Control for Phases 1, 2 & 5**

Includes all implantation of traffic control planning, permitting and rental of devices throughout the construction of phases 1, 2 and 5. This includes costs for setup, rental and teardown of the barricade devices. Traffic flaggers were included for areas in residential roadways where restrictions are limited to one lane.

##### **Item 0.2 Permit Fees (Allowance)**

Permit fee allowance for Right-of-Way requirements, traffic control permit plans, hydrant meter fees, and all other associated permit fees for phases 1, 2 and 5. Also includes any excavation permits required within the City of Tucson.

##### **Item 0.3 Construction Water**

Costs for construction water obtained from metered hydrants throughout phases 1, 2 and 5. Includes water use from CIPP lining, dust control efforts and flow management plan hydrostatic testing.

##### **Item 0.4 PDEQ Dust Control Permit**

Dust control permit cost from PDEQ for disturbed areas within Phases 1, 2 and 5.

##### **Item 0.6 SWPPP BMP's for Phases 1 and 2**

Includes all costs associated with the implementation of the Storm Water Pollution Prevention Planning (SWPPP) BMP's. This includes 9-inch and 12-inch straw wattles, silt fencing and curb inlet guards. Includes implantation, installation, maintenance and removal of BMP's by B&F crews around spoil piles and disturbed areas within phases 1 and 2. Gravel pads to be installed and maintained at all NRI staging areas defined on the project plan. Line item also includes bi-weekly inspections as required by the SWPPP plan.

##### **Item 0.7 Materials Testing and Quality Control for Phases 1, 2 & 5**

Includes costs associated with all material performance testing and quality control for phases 1, 2 and 5. This includes all density/compaction testing for excavation and backfill related work. Also includes

concrete compression testing, asphalt testing, resistivity, sieve analysis and special testing for rebar/reinforcing. Includes all reporting requirements signed and/or sealed by a professional engineer.

Item 0.8 Street Sweeping Services

Includes costs for street sweeping services for work near large arterial roadways (River, Tanque Verde, Sabino Canyon, Cloud Rd.). This will be used for maintaining a clean jobsite and for final cleaning of the roadways within phases 1, 2 and 5.

**ITEM 1.0 FLOW MANAGEMENT PLAN & LONG LEAD MATERIAL ITEMS (Phases 1, 2 and 5)**

Item 1.1 Flow Management Plan Phase 1 and Long Lead Material Items:

Procurement of long lead materials required for the FMP System. Includes 18-inch, 12-inch and 8-inch HDPE to be used as the primary discharge pipeline to convey sewage flows. Also includes consumable items including spill berms, pneumatic plug hoses, spill kits, and plugs required by the FMP System.

Includes installation, testing, operation and teardown of the Phase 1 Flow Management System during CIPP, MH Rehab and MH Repair, Replacement and Rehabilitation activities. Phase 1 runs from Woodland Road to the Sabino Creek for approximately 10,000 LF.

Item 1.2 Flow Management Plan – Phase 2

Includes installation, testing, operation and teardown of Phase 2 Flow Management System during CIPP, MH Rehab and MH Repair, Replacement and Rehabilitation activities. Phase 2 runs from Pantano Rd. at the Sabino Creek to Sabino Canyon Road for approximately 8,000 LF.

Item 1.3 Flow Management Plan – Phase 5

Includes installation, testing, operation and teardown of Phase 5 Flow Management System during the NRI Relief North Diversion Structure construction, CIPP, MH Rehab and MH Repair, Replacement and Rehabilitation activities. Phase 5 runs from Swan Rd. to Alvernon Way for approximately 6,000 LF.

Item 1.4 Trenching and Asphalt Work for Discharge Pipe – Phase 1

Includes all trenching, backfill, compaction and asphalt restoration work associated with the discharge pipe located at private driveways, businesses or major roadways within Phase 1. HDPE discharge pipe for the Flow Management Plan will need to be trenched at these areas to provide continuous access to residents and businesses at each of the phases.

Item 1.5 Trenching and Asphalt Work for Discharge Pipe – Phase 2

Includes all trenching, backfill, compaction and asphalt restoration work associated with the discharge pipe located at private driveways, businesses or major roadways within Phase 2. HDPE discharge pipe for the Flow Management Plan will need to be trenched at these areas to provide continuous access to residents and businesses at each of the phases.

Item 1.6 Trenching and Asphalt Work for Discharge Pipe – Phase 5

Includes all trenching, backfill, compaction and asphalt restoration work associated with the discharge pipe located at private driveways, businesses or major roadways within Phase 2. HDPE discharge pipe for the Flow Management Plan will need to be trenched at these areas to provide continuous access to residents and businesses at each of the phases. This also includes possible asphaltic concrete restoration within the NRPR Park where HDPE discharge pipe is located.

**ITEM 2.0 PUBLIC RELATIONS & OTHER SERVICES**

Item 2.1 – Public Relations & Community Outreach Services – NRI Rehab

Weekly Construction Meetings/Team Meetings – Attend and participate in weekly construction meetings. Provide strategic input to planning and implementation of effective public outreach. Attend additional Team meetings as required. (Assumes 24 months)

TSM Meetings – Research participants, plan, schedule and coordinate meetings with police, fire, school districts, emergency services, post office, sanitation, etc. Develop and distribute meeting agenda, prepare copies of informational materials. (Assumes 1 TSM meeting per each of 6 phases of construction)

Public Open Houses – Coordinate open house for each of 6 construction phases of project to provide overview and approach to affected residents, businesses and property owners. Team planning meetings, coordinate location and open house layout; develop, print, and mail open house notification; post open house information on the website; assist team members on presentation, fact sheets, and other materials to be presented at the open house; staff the welcome table and provide support during the open house; coordinate refreshments; and assist with any necessary follow-up as a result of the open house. (Assumes 6 Open Houses for construction phase)

Neighborhood/Area Outreach –Coordinate one-on-one outreach with interested property owners and team members as needed; provide supporting informational materials as needed. (Assumes 24 months)

Project Information Line/Maintain Database – Maintain project information phone line; respond to incoming phone calls on project information line during regular office hours of 8 AM to 5 PM Monday through Friday transferring the phone line to contractor during nighttime and weekend hours. Maintain log of construction inquiries and obtain contact information, respond to inquiries, referring inquiries to team members as appropriate. (Assumes total directs to be split with SRI Contractor through completion of SRI project)

Website - Maintain the website including posting construction updates, all project materials, maps, photographs, Frequently Asked Questions (FAQ), and other items of interest to inform the public about the progress of the project. Kaneen will be responsible for managing the website, collecting information, and facilitating answering of questions, etc. (Assumes total website directs to be split with SRI Contractor through completion of SRI project)

Construction Alerts - Prepare construction alerts for posting to website, coordinate with graphic designer to include maps or graphics as needed, coordinate edits and revisions, obtain final approval, and send electronically to contact database. (Assumes weekly alerts)

Branding – Create project brand/logo to be used on all public outreach materials, including print and electronic media. Kaneen will coordinate with graphic artist to design logo, coordinate revisions with client, and produce outreach materials as needed.

Item 2.2 – Certified Arborists for Tree Trimming

B&F will utilize certified Arborists for any tree trimming needs on the NRI Project. This will be limited to areas of construction impact with the potential for plant disturbances, where we do not anticipate the need for removal.

**ITEM 3.0 NRI RELIEF SEWER – NORTH DIVERSION STRUCTURE**

Item 3.1 – Construct NRI Relief North Diversion Structure & Stub-Out MH

This line item includes costs for excavation, shoring/bracing, and installation of the North Junction Structure and MH 01 including a 10' stub of 30" CCFRPM as part of the North Rillito Relief Sewer project for Pima County Regional Wastewater Reclamation Department. After coordination with RWRD, B&F assumed the construction of the North Diversion Structure under the NRI Rehab contractor to facilitate ease of construction coordination on our project. In doing so, the flow management system for the CIPP lining will now be able to be used simultaneously for the construction of the North Diversion structure, saving redundant FMP costs. Includes all coatings, ADEQ NOI and approvals as required for construction.

Item 3.2 – SWPPP BMP's for Phase 5 NRI Relief North Diversion Structure

Includes all costs associated with the implementation of the Storm Water Pollution Prevention Planning (SWPPP) BMP's. This includes 9-inch and 12-inch straw wattles, silt fencing and curb inlet guards. Includes implantation, installation, maintenance and removal of BMP's by B&F crews around spoil piles and disturbed areas within phase 5, along with the work associated with the North Diversion Structure. Gravel pads to be installed and maintained at all NRI staging areas defined on the project plan. Line item also includes bi-weekly inspections as required by the SWPPP plan.

Item 3.3 – NACE Level 3 Inspector for Coating (Allowance)

Includes costs related to 3<sup>rd</sup> party independent inspection of the coating system used inside the North Diversion Structure. At this time the manhole coating specifications are still in development. B&F has carried an allowance to cover this inspection. This line item includes costs for 3<sup>rd</sup> party spark testing, adhesion testing and "cosmetic testing" of the finish for the coating.

Item 3.4 – Public Relations & Community Outreach Services – NRI Relief Sewer

B&F incorporated Public Relations & Community Outreach Services to be performed on the NRI Relief Sewer Project into the NRI Rehab Project for ease of coordination using the same PR Firm (Kaneen Advertising). The public relations and community outreach services include the following:

1. Open House - Coordinate open house to provide project overview and approach to affected residents, businesses and property owners. Team planning meetings, coordinate location and open house layout; develop, print, and mail open house notification; post open house information on the website; assist team members on presentation, fact sheets, and other materials to be presented at the open house; staff the welcome table and provide support during the open house; coordinate refreshments; and assist with any necessary follow-up as a result of the open house. (Assumes 1 Open House)

2. TSM Meetings – Research participants, plan, schedule and coordinate meeting with police, fire, school districts, emergency services, post office, sanitation, etc. Develop and distribute meeting agenda, prepare copies of informational materials. (Assumes 1 TSM meeting)
3. Neighborhood Notifications – Develop content, produce and deliver informational flier via door hangers to residents directly affected by the construction of the relief project. Coordinate one-on-one outreach with interested property owners and team members as needed; provide supporting informational materials as needed. Update Neighborhood Association representatives with construction activity updates as needed. (Assumes 1 informational flier)
4. Construction Meetings/Team Meetings – Attend and participate in construction meetings. Provide strategic input to planning and implementation of effective public outreach. Attend additional Team meetings as required. (Assumes attendance at meetings at least once per month and more frequently as required during project)
5. Traffic Alerts - Prepare construction alerts for posting to website, coordinate with graphic designer to include maps or graphics as needed, coordinate edits and revisions, obtain final approval, and send electronically to contact database.
6. Pima County and Elected Official Updates and Briefings – Coordinate Loop access impacts with Pima County representative. Provide briefings and updates to elected officials in Ward 3 and Pima County District 1 as project construction progresses.
7. Website - Maintain the website including posting construction updates, all project materials, maps, photographs and other items of interest to inform the public about the progress of the project. Kaneen will be responsible for managing the website, collecting information, and facilitating answering of questions, etc.
8. Project Information Line – Maintain project information phone line; respond to incoming phone calls on project information line during regular office hours of 8 AM to 5 PM Monday through Friday transferring the phone line to contractor during nighttime and weekend hours. Maintain log of construction inquiries and obtain contact information, respond to inquiries, referring inquiries to team members as appropriate.
9. Project and Account Management – Coordination and communications with project team members regarding overall project management including work progress summary and budget review. (Assumes 12 months)

Item 3.5 – Setup and Remove NRI Rehab/Relief Staging Yard

Includes all setup and teardown activities required for the NRI Rehab/Relief Sewer staging area located north of the Rillito River at MH 1710-09. Includes installation of the job trailer, site fencing, gravel pad, clearing, grubbing and grading.

Item 3.6 – Hydroseeding

Includes all Hydroseeding of the staging area on private property after the completion of construction activities within Phase 5. B&F estimated approximately 2.0 acres of disturbance within the staging area that will require Hydroseeding.

**EXHIBIT A.3 GUARANTEED MAXIMUM PRICE (GMP-1)****B&F CONTRACTING, INC.**

PROJECT: Construction Manager at Risk (CMAR) Services for North Rillito  
 Interceptor Rehabilitation Project No. 3NRI14  
 Pima County Regional Wastewater Reclamation Department  
 Date: 10/27/2014  
 Revision: GMP-1

Tucson Office: 1904 W. Prince Rd., Tucson, AZ 85705  
 Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029  
 Office: 623-582-1170 | Fax: 623-582-3761  
 Arizona Licenses: ROC-0897 A General Engineering  
 ROC-1112 B-04 General Engineering



ITEM	Description	Sub/Self Perform	QTY	UNIT	Unit Price	Total Price
0.0	<b>GENERAL REQUIREMENTS</b>					
0.1	Traffic Control for Phase 1, 2 & 5	Border Traffic	1	LS	\$ 123,000.00	\$ 123,000.00
0.2	Permit Fees (Allowance)	CoT	1	Allow	\$ 3,000.00	\$ 3,000.00
0.3	Construction Water	CoT	750	MGAL	\$ 7.00	\$ 5,250.00
0.4	PDEQ Dust Control Permit	B&F	1	EA	\$ 625.00	\$ 625.00
0.5	Dust Control	B&F	1	LS	\$ 30,259.20	\$ 30,259.20
0.6	SWPPP BMP's for Phase 1 & 2	B&F	1	LS	\$ 32,083.56	\$ 32,083.56
0.7	Materials Testing & Quality Control for Phase 1, 2 & 5	TBD	1	LS	\$ 33,725.00	\$ 33,725.00
0.8	Street Sweeping Services	TBD	1	LS	\$ 4,590.00	\$ 4,590.00
	<b>GENERAL REQUIREMENTS SUBTOTAL</b>					<b>\$ 232,532.76</b>
1.0	<b>FLOW MANAGEMENT PLAN &amp; LONG LEAD ITEMS (Phases 1, 2 &amp; 5)</b>					
1.1	Flow Management Plan & Long Lead Items (Phase 1)	B&F	1	LS	\$ 1,055,295.72	\$ 1,055,295.72
1.2	Flow Management Plan (Phase 2)	B&F	1	LS	\$ 912,040.54	\$ 912,040.54
1.3	Flow Management Plan (Phase 5)	B&F	1	LS	\$ 899,155.69	\$ 899,155.69
1.4	Trenching and Asphalt Work for Discharge Pipe (Phase 1)	B&F	1	LS	\$ 34,878.55	\$ 34,878.55
1.5	Trenching and Asphalt Work for Discharge Pipe (Phase 2)	B&F	1	LS	\$ 21,693.41	\$ 21,693.41
1.6	Trenching and Asphalt Work for Discharge Pipe (Phase 5)	B&F	1	LS	\$ 41,521.08	\$ 41,521.08
	<b>FLOW MANAGEMENT PLAN &amp; LONG LEAD ITEMS (Phases 1, 2 &amp; 5) SUBTOTAL</b>					<b>\$ 2,964,585.00</b>
2.0	<b>PUBLIC RELATIONS &amp; OTHER SERVICES</b>					
2.1	Public Relations & Community Outreach Services - NRI Rehab	Kaneen	1	LS	\$ 204,810.00	\$ 204,810.00
2.2	Certified Arborist for Tree Trimming	TBD	1	LS	\$ 45,838.24	\$ 45,838.24
	<b>PUBLIC RELATIONS &amp; OTHER SERVICES SUBTOTAL</b>					<b>\$ 250,648.24</b>
3.0	<b>NRI RELIEF SEWER - NORTH DIVERSION STRUCTURE</b>					
3.1	Construct NRI Relief North Diversion Structure & Stub-Out MH	KE&G	1	LS	\$ 416,200.00	\$ 416,200.00
3.2	SWPPP BMP's for Phase 5 NRI Relief North Diversion Structure	B&F	1	LS	\$ 17,810.17	\$ 17,810.17
3.3	NACE Level 3 Inspector for Coating Inspection (Allowance)	B&F	60	HR	\$ 85.00	\$ 5,100.00
3.4	Public Relations & Community Outreach Services - NRI Relief Sewer	Kaneen	1	LS	\$ 39,750.00	\$ 39,750.00
3.5	Setup/Remove NRI Rehab/Relief Staging Yard in Phase 5	B&F	1	LS	\$ 20,592.40	\$ 20,592.40
3.6	Hydroseeding	B&F	2	Acre	\$ 2,900.00	\$ 5,800.00
	<b>NRI RELIEF SEWER - NORTH DIVERSION STRUCTURE SUBTOTAL</b>					<b>\$ 505,252.57</b>
	<b>SUBTOTAL #1 - DIRECT COST WORK ITEMS</b>					<b>\$ 3,953,018.57</b>

(% = B / L)	6.31%	GENERAL CONDITIONS	\$ 323,576.16	B
		GMP SUBTOTAL	\$ 4,276,594.73	C = (A + B)
11.00%		CONSTRUCTION FEE	\$ 470,425.42	D = (11% * C)
		GMP + FEE SUBTOTAL	\$ 4,747,020.15	E = (C + D)
1.00%		PAYMENT/PERFORMANCE	\$ 51,266.81	F = (1% * L)
		GMP + FEE + BOND SUBTOTAL	\$ 4,798,286.95	G = (E + F)
1.50%		GENERAL LIABILITY INS.	\$ 71,974.30	H = (1.5% * G)
		GMP + FEE + BOND + INSURANCE SUBTOTAL	\$ 4,870,261.26	I = (G + H)
5.265%		TAX	\$ 256,419.26	J = (5.265% * I)
		GMP + FEE + BOND + INSURANCE + TAX SUBTOTAL	\$ 5,126,680.51	K = (I + J)
		<b>TOTAL GMP-1</b>	<b>\$ 5,126,680.51</b>	<b>L = K</b>



**Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito  
Interceptor Rehabilitation Project**

<b>Project No.</b>	3NR14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Drive to Campbell Rd. along the Rillito	<b>B&amp;F Job #:</b>	3150

GC'S - Estimated Duration	6	MTH
Hours per Month	160	HRS

[illegible]

**EXHIBIT A.4**  
**LIST OF PLANS & SPECIFICATIONS**

**Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department -  
North Rillito Interceptor Rehabilitation Project**

<b>Project No.</b>	3NRI14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Rd. to Sabino Creek	<b>B&amp;F Job #:</b>	3150

**NOTE: The GMP is based on the following Project Documents:**

North Rillito Interceptor Rehabilitation - Drawings Supplied during RFQ Stage, sheets 1 through 12 dated, 2/5/2013 (no seal)

North Rillito Interceptor Rehabilitation Layout Sheets, sheets 1 through 5, dated 4/3/2014 (not sealed)

Flow Management Plan - Phase 1, 2 and 5 developed by B&F Contracting and Brown & Caldwell

Technical Specifications for Manhole Rehabilitation and Corrosion Protective Coating - Prepared for the North Rillito Interceptor (NRI) Rehabilitation Project. Dated 9/30/2014

Special Provisions & Specifications for CIPP Lining, dated 10.02.2014

## **EXHIBIT A.5**

### **CLARIFICATIONS & ASSUMPTIONS**

#### **Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project**

##### **LIST OF CLARIFICATIONS & ASSUMPTIONS:**

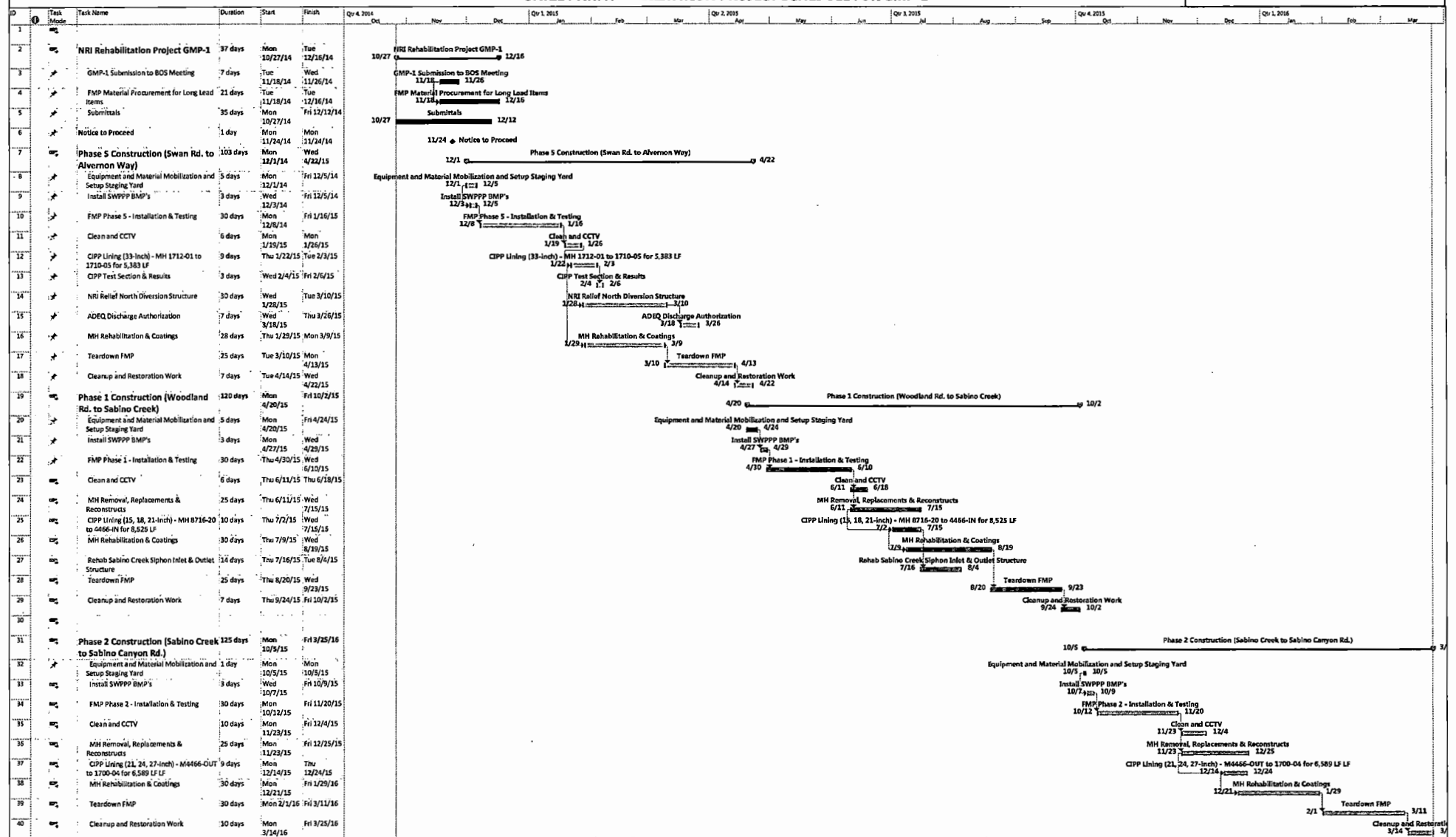
1. Construction GMP-1 includes costs for Flow Management at Phases 1, 2 and 5 only. FMP costs for subsequent phases on this project to be incorporated on GMP-2
2. This GMP excludes all costs for CIPP Lining and Manhole Rehabilitation / Coating Work, Manhole Reconstructs, Removals, Replacements and Restoration Activities. These costs to be carried within GMP-2 or GMP-3 in the future.
3. GMP-1 includes costs associated for the construction of the NRI Relief Sewer North Diversion Structure. This work was requested to be pulled from the NRI Relief Sewer Project and incorporated into the NRI Rehabilitation Project due to ease of coordination and sequencing of the Flow Management System for cost savings. Additional funds will need to be allocated to this contract for this work.
4. It is understood that RWRD will enter into an MOA (Memorandum of Agreement) with Regional Flood Control District and Natural Resources Parks and Recreation for access rights to and from their properties on this project. These properties and access ways will be used for flow management, staging, and access in and out for contractors.
5. It is understood that RWRD and B&F, upon property coordination will be granted access rights to the Bike Path for our FMP discharge piping, and all other access as require for this project.
6. Normal weather conditions are expected on this project, as such, B&F expects average rainfall to equal 1 day per month. Weather related days can be claimed during rainfall events or after rainfall events on day no rain has occurred. Phase 1, 2 and 5 has a 12 (12) month schedule, so we anticipate twelve (12) rain days for GMP-1.
7. It is assumed Right-of-Way Fees and/or Excavation type permits and included review time for areas within Pima County Department of Transportation (PCDOT) are to be compensated for internally within Pima County. This is based on discussions and meetings held between RWRD, B&F and PCDOT. The two agreed to share internal cost codes so they could apply review time and permit fees as such.
8. Clarifications and Assumptions included on this Exhibit or others take precedence over all Special Provisions or Contract Requirements on this project.
9. GMP excludes all costs and/or fees associated with regular and overtime onsite inspection. Special Inspections such as post videos, etc. to be provided by RWRD.
10. Normal works hours are assumed to be from 6:00 am to 6:00 pm, but after hours and 24 hour operation may be required to facilitate the construction of this project due to its unique nature.
11. Pavement patching/restoration to match existing conditions for any areas required by the Flow Management Plan. B&F assumes no areas where existing IGA's or pavement moratoriums exist that would increase the cost and scope of asphalt replacement. Replacement to be per CoT and PCDOT Standard Details and Specifications.
12. Hydrostatic pressure testing of FMP main-line discharge lines to be tested at 1.5 times the operating pressure of the system or at 30, 40 or 50 PSI, whichever is closest to the operating range.

13. Hydrostatic pressure testing to be performed on the temporary force main from the manifold and check valve from the pump station to the discharge end and blind flange connection. Suction and discharge hoses connected to pumps are exempt from these higher pressure tests.
14. HDPE pipe used temporarily for the FMP discharge lines are not expected to be free and clear of dings, scuffs or scrapes. QA/QC testing and acceptance of temporary FMP pipe shall be tested hydrostatically on FMP discharge lines in lieu of the 10% wall thickness rule.
15. HDPE discharge lines to be disinfected and cleaned prior to removal using 12.5% Hypochlorite solution.
16. Traffic Control costs include setup, rental, teardown and traffic flaggers in areas required by CoT and PCDOT. It is expected that all traffic control devices will be able to be left overnight. Additional costs not included in this GMP will be incurred if they are required to be removed overnight.
17. Excludes any costs for the removal of hazardous materials.
18. Excludes costs for chip sealing of any kind.
19. This GMP assumes no costs for police officers for traffic control.
20. GMP-1 includes costs for currently identified engineering, design, environmental, survey and community relation efforts determined in the design phase. Additional efforts encountered or added due to increased scope of work elements or unforeseen conditions to be encountered on later, subsequent GMP's. It is anticipated that additional design efforts may be required for additional sewer reconfiguration and manhole work if required to improve the hydraulics of the NRI.
21. Excludes any costs for ADEQ Construction Authorization or Discharge Authorization or AZPDES requirements in this GMP. It is anticipated that any costs for this will be reimbursed on the subsequent GMP where sewer reconfiguration work is identified.
22. ADEQ Discharge Authorization costs to be covered on the NRI Relief Sewer Project.
23. Excludes any costs associated with Hard Dig conditions, rock excavation, blasting or hydraulic breakers of any kind.
24. Construction is anticipated to begin on or around December 1, 2014.
25. RWRD to provide access as required for work within PCDOT Right-of-Way currently secured by perimeter fencing near the Tanque Verde and Sabino Creek Washes.
26. GMP-1 includes a construction schedule of 120 calendar days, starting from the Notice-to-Proceed
27. Excludes all costs associated with RFCD and NRPR Right-of-Way access permits and/or fees.
28. Phase 1 Flow Management assumes the acceptable placement of HDPE discharge piping down Woodland Rd., and along the eastbound shoulder of Tanque Verde Rd. It also assumes, access underneath the Tanque Verde Bridge and Rillito River Path. These locations were all coordinated and agreed upon during design phase meetings and discussions with each agency.
29. Phase 5 Flow Management assumes the use of structural beams to span a tributary wash into the Rillito. B&F to fabricate and install pipe-bridge to support the (3) each 18-inch discharge pipes here.
30. Includes Hydroseeding restoration within staging areas used on the NRI Rehab Project. GMP does not include Hydroseeding for areas used to install FMP discharge pipe within RFCD, CoT, PCDOT or NRPR Right of Way.
31. This GMP excludes costs for The Loop Bike Path repairs for asphalt and/or pavement repairs.
32. Includes costs associated with Storm Water Pollution Prevention Planning (SWPPP) BMP's, and the installation, maintenance and removal of them.
33. B&F will start in Phase 5 first due to the sequencing of the project which will allow for the North Diversion structure to be completed initially.
34. Flow Management Plan trenching and asphalt restoration costs are included for phase 1, 2 and 5 only.
35. GMP includes traffic control costs for phases 1, 2 and 5 only. Remaining phases to be included with additional GMP's.
36. GMP includes costs for permit fees, construction water, PDEQ, dust control, materials testing, quality control, and street sweeping services associated with phases 1, 2 and 5 only.
37. Includes Public Relations and Community Outreach Services for Phases 1 through 6, and for the NRI Relief Project in this GMP.

38. Includes Tree Trimming by Certified Arborist for areas in Phases 1 through 6.
39. This GMP-1 assumes the use of the staging yard near existing manhole 1710-09 under an existing contract agreement for the NRI Relief Project. B&F assumes the use of this staging area for work performed in Phase 5, including flow management and North Diversion Structure work.
40. B&F assumes the NRI Relief Sewer Project to assume all ADEQ Discharge Authorization coordination and permit fees associated with the Relief Sewer construction work, as it ties into the North diversion Structure.
41. General Condition costs were estimated at 6 months for GMP-1. B&F anticipates a total project schedule of 18 months, so GMP-2 and GMP-3 will include the additional 12 months.

Exhibit A.6 - Project Schedule

## 3NRI14 NRI REHABILITATION PROJECT SCHEDULE FOR GMP-1



Project: NRI GMP-1 Schedule re Task Milestone Project Summary Inactive Milestone Manual Task Manual Summary Rollup Start-only External Tasks Progress

Date: Mon 10/27/14 Split Summary Inactive Task Inactive Summary Duration-only Manual Summary Finish-only External Milestone Progress



## **EXHIBIT A.7**

### **SBE UTILIZATION**

#### **Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project**

The North Rillito Interceptor Rehabilitation is a very unique project with specialized scope of work elements not found locally in the Tucson market. There are no SBE options for three (3) major work components that involve CIPP Lining, Manhole Rehabilitation Coatings and Flow Management Services. Due to this characteristic, it is exceedingly difficult to meet high SBE Utilization goals set forth by the procurement department that are used for other traditional commercial and civil construction improvement projects.

PCRWRD and B&F met with Terri Spencer, the SBE Program Coordinator for the Pima County Procurement Department to discuss these challenges on this project. Our firm presented a SBE plan that determined we could meet a minimum value of 1.38% and a maximum of 2.4% participation rate on the overall project.

We intend to use Border Traffic Safety, a SBE Certified Traffic Control Service provider in the amount of \$123,000.00 for Phase 1, 2 and 5 of this project, as part of this GMP-1. Our firm is also currently under contract with Kaneen Advertising, a Public Relations Firm to provide consulting services for Phase 1 through 6 in the amount of \$244,560.00.

After receiving proposals from both of these SBE contractors, for an anticipated SBE participation value of \$367,560.00 this puts us at a participation rate of 7.16% on GMP-1. B&F anticipates this participation rate to decrease to 1.38% - 2.4% after we submit GMP-2 and GMP-3, when the contract amount increases to \$18,500,000.00, and other specialty scopes of work are added to the contract.

**EXHIBIT A.8****GMP-1 SUBCONTRACTOR/VENDOR/SUPPLIER SELECTION**

**Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North  
Rillito Interceptor Rehabilitation Project**

<b>Project No.</b>	3NRI14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Rd. to Sabino Creek	<b>B&amp;F Job #:</b>	3150

<b>Description</b>	<b>Subcontractor/Vendor/Supplier</b>	<b>Amount</b>	<b>Reason For Selection</b>
Public Relations & Community Outreach	Kaneen Advertising & PR	\$ 244,560.00	Part of Pre-Qualified CMAR Team
NRI Relief North Diversion Structure	KE&G Construction	\$ 416,200.00	Qualifications / Local
FMP HDPE Pipe	ISCO Industries	\$ 306,370.00	Lowest Price / Qualifications
	SECOR	\$ 307,330.00	
	Ferguson Waterworks	\$ 308,521.25	
A.R.I Combination Air Relief Valves	Ferguson Waterworks	\$ 16,333.44	Lowest Price / Qualifications
	Dana Kepner	\$ 16,333.44	
	HD Supply Waterworks	\$ 16,333.44	
12.5% Hypochlorite - Disinfectant	Hill Brothers Chemical	\$ 1,924.00	Qualifications / Price / Local
Knife Gate Valves	West-Tech, LLC	\$ 50,194.57	Lowest Price / Qualifications
	HD Supply Waterworks	\$ 64,844.02	
	Ferguson Waterworks	\$ 95,302.44	
	Dana Kepner	\$ 135,311.10	
FMP FuelCube Tank	Capital Pump & Equipment	\$ 7,167.00	Qualifications / Price
FMP Pneumatic Plug Sets	Axiom Plugs	\$ 29,305.00	Lowest Price / Qualifications
	Trench Shore & Rentals (TSR)	\$ 32,988.10	
FMP Pump Spill Berms	Capital Pump & Equipment	\$ 14,066.00	Qualifications / Price
FMP Plug Hoses (20' & 30' Lengths)	Axiom Plugs (20' & 30' Hoses)	\$ 2,040.00	Lowest Price / Qualifications
	Trench Shore & Rentals (TSR)	\$ 4,265.28	Lowest Price / Qualifications
FMP Plug Hoses (40' Lengths)	Trench Shore & Rentals	\$ 566.58	Qualifications / Price / Local
Pipe Swabs & Cleaning Pigs	Pipeline Pigging Products	\$ 1,074.00	Qualifications / Price

## EXHIBIT A.9

### Engineering, Survey, Environmental & Public Relations Support Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	Date:	10/27/2014
Project Title	North Rillito Interceptor Rehab Project		
Project Location	Woodland Rd. to Sabino Creek	B&F Job #:	3150

Item	Description	Quantity	Unit	Unit Price	Extension
<b><u>Public Relations &amp; Outreach Services - Bid Item 2.1 and Bid Item 3.4</u></b>					
1	Public Relations & Community Outreach Services - NRI Rehab Project	1	LS	\$ 204,810.00	\$ 204,810.00
2	Public Relations & Community Outreach Services - NRI Relief Sewer North Diversion Structure	1	LS	\$ 39,750.00	\$ 39,750.00
				<b>Subtotal</b>	<b>\$ 244,560.00</b>
<b><u>Certified Arborist &amp; Cleanup/Haul Off - Bid Item 2.2</u></b>					
1	Certified Arborist & Cleanup/Haul off	1	LS	\$ 45,838.24	\$ 45,838.24
				<b>Subtotal</b>	<b>\$ 45,838.24</b>
				<b>Consulting Services Subtotal</b>	<b>\$ 290,398.24</b>



**KANEEN**

Advertising &  
**Public Relations Inc.**

B & F CONTRACTING, INC.  
North Rillito Interceptor Rehabilitation  
Construction Phase – 24 Months  
June 25, 2014

### SCOPE OF WORK

1. Weekly Construction Meetings/Team Meetings – Attend and participate in weekly construction meetings. Provide strategic input to planning and implementation of effective public outreach. Attend additional Team meetings as required. (Assumes 24 months)
2. TSM Meetings – Research participants, plan, schedule and coordinate meetings with police, fire, school districts, emergency services, post office, sanitation, etc. Develop and distribute meeting agenda, prepare copies of informational materials. (Assumes 1 TSM meeting per each of 6 phases of construction)
3. Public Open Houses – Coordinate open house for each of 6 construction phases of project to provide overview and approach to affected residents, businesses and property owners. Team planning meetings, coordinate location and open house layout; develop, print, and mail open house notification; post open house information on the website; assist team members on presentation, fact sheets, and other materials to be presented at the open house; staff the welcome table and provide support during the open house; coordinate refreshments; and assist with any necessary follow-up as a result of the open house. (Assumes 6 Open Houses for construction phase)
4. Neighborhood/Area Outreach –Coordinate one-on-one outreach with interested property owners and team members as needed; provide supporting informational materials as needed. (Assumes 24 months)
5. Project Information Line/Maintain Database – Maintain project information phone line; respond to incoming phone calls on project information line during regular office hours of 8 AM to 5 PM Monday through Friday transferring the phone line to contractor during nighttime and weekend hours. Maintain log of construction inquiries and obtain contact information, respond to inquiries, referring inquiries to team members as appropriate. (Assumes total directs to be split with SRI Contractor through completion of SRI project)

6. Website - Maintain the website including posting construction updates, all project materials, maps, photographs, Frequently Asked Questions (FAQ), and other items of interest to inform the public about the progress of the project. Kaneen will be responsible for managing the website, collecting information, and facilitating answering of questions, etc. (Assumes total website directs to be split with SRI Contractor through completion of SRI project)
7. Construction Alerts - Prepare construction alerts for posting to website, coordinate with graphic designer to include maps or graphics as needed, coordinate edits and revisions, obtain final approval, and send electronically to contact database. (Assumes weekly alerts)
8. Branding – Create project brand/logo to be used on all public outreach materials, including print and electronic media. Kaneen will coordinate with graphic artist to design logo, coordinate revisions with client, and produce outreach materials as needed.

# Public Relations & Community Outreach Services Proposal



**B & F Contracting**  
**Pima County Wastewater/North Rillito Interceptor Rehabilitation Project**  
 June 25, 2014

**Construction Public Outreach - Assumes 24 Months**

## ESTIMATE OF MANHOURS

Task	Project Principal/Manager	Designer/Artist	Public Relations Coordinator	Clerical	Total Hours	Total Labor Costs	Direct Expenses	Total Costs
	\$120	\$95	\$80	\$45				<b>\$ 204,810.00</b>
1. Construction / Team Meetings (Assumes attendance at weekly construction meetings and additional team meetings as required)	96	0	340	150	586	\$45,470	\$ 50.00	\$ 45,520.00
2.TSM Meetings (Assumes 6 meetings - one per construction phase)	18	12	48	36	114	\$8,760	\$ 1,320.00	\$ 10,080.00
3. Public Open Houses (Assumes 6 meetings - one per construction phase)	72	36	120	36	264	\$23,280	\$ 9,060.00	\$ 32,340.00
4. Neighborhood/Area Outreach (As needed)	60	20	144	24	248	\$21,700	\$ 400.00	\$ 22,100.00
5. Maintain Contact Database/Project Information Line	24	0	200	48	272	\$21,040	\$ 1,200.00	\$ 22,240.00
6. Website - Maintenance and Updates	24	12	100	24	160	\$13,100	\$ 3,400.00	\$ 16,500.00
6.1 Website Development	0	0	0	0	0	\$0	\$ 3,800.00	\$ 3,800.00
7. Construction Alerts (Assumes Weekly)	96	24	384	48	552	\$46,680	\$ 100.00	\$ 46,780.00
8. Branding (Assumes creation and design production only; printing of outreach materials will be billed at cost)	10	6	30	4	50	\$4,350	\$ 1,100.00	\$ 5,450.00
<b>TOTAL</b>	<b>400</b>	<b>110</b>	<b>1366</b>	<b>370</b>	<b>2246</b>	<b>\$184,380</b>	<b>\$ 20,430.00</b>	<b>\$ 204,810.00</b>



**NRI Public Relations &  
Community Outreach Proposal  
- Direct Costs**



**B & F Contracting  
Pima County Wastewater/North Rillito Interceptor Rehabilitation Project  
June 25, 2014**

**Construction Public Outreach - Assumes 24 Months**

**ESTIMATE OF DIRECT COSTS**

TASK DESCRIPTION	PRINTING	POSTAGE*	MAILING LIST/ SERVICE	MEETING ROOM	REFRESHMENTS	DISPLAYS/ MEETING MATERIAL	WEBSITE UPDATES AND MAINTENANCE/E-MAIL SERVICE/INFO LINE **	GRAPHIC DESIGN	COLOR COPIES/ MISC	DIRECT TOTAL
1. Construction / Team Meetings (Assumes attendance at weekly construction meetings and additional team meetings as required)									50	50
2. TSM Meetings (Assumes 6 meetings - one per construction phase)	600				60	600			60	1320
3. Public Open Houses (Assumes 6 meetings - one per construction phase)	3000		1800	1800	300	1200	60		900	9060
4. Neighborhood/Area Outreach (As needed)									400	400
5. Maintain Contact Database/Project Information Line							1200			1200
6. Website - Maintenance and Updates							2400	1000		3400
6.1 Website Development							3800			3800
7. Construction Alerts (Assumes Weekly)									100	100
8. Branding (Assumes creation and design production only; printing of outreach materials will be billed at cost)								1000	100	1100
<b>TOTAL</b>	<b>\$3,600</b>	<b>\$0</b>	<b>\$1,800</b>	<b>\$1,800</b>	<b>\$360</b>	<b>\$1,800</b>	<b>\$7,460</b>	<b>\$2,000</b>	<b>\$1,610</b>	<b>\$20,430</b>

\*Assumes postage to be paid directly by Pima County

\*\* Assumes total website and information line direct expenses to be split with SRI Contractor until SRI project is complete



**KANEEN**

Advertising &  
Public Relations Inc.

B & F CONTRACTING, INC.

Additional Public Relations Services Related to NRI Relief Project

Construction Phase – 12 Months

August 29, 2014

SCOPE OF WORK

1. Open House - Coordinate open house to provide project overview and approach to affected residents, businesses and property owners. Team planning meetings, coordinate location and open house layout; develop, print, and mail open house notification; post open house information on the website; assist team members on presentation, fact sheets, and other materials to be presented at the open house; staff the welcome table and provide support during the open house; coordinate refreshments; and assist with any necessary follow-up as a result of the open house. (Assumes 1 Open House)
2. TSM Meetings – Research participants, plan, schedule and coordinate meeting with police, fire, school districts, emergency services, post office, sanitation, etc. Develop and distribute meeting agenda, prepare copies of informational materials. (Assumes 1 TSM meeting)
3. Neighborhood Notifications – Develop content, produce and deliver informational flier via door hangers to residents directly affected by the construction of the relief project. Coordinate one-on-one outreach with interested property owners and team members as needed; provide supporting informational materials as needed. Update Neighborhood Association representatives with construction activity updates as needed. (Assumes 1 informational flier)
4. Construction Meetings/Team Meetings – Attend and participate in construction meetings. Provide strategic input to planning and implementation of effective public outreach. Attend additional Team meetings as required. (Assumes attendance at meetings at least once per month and more frequently as required during project)
5. Traffic Alerts - Prepare construction alerts for posting to website, coordinate with graphic designer to include maps or graphics as needed, coordinate edits and revisions, obtain final approval, and send electronically to contact database.
6. Pima County and Elected Official Updates and Briefings – Coordinate Loop access impacts with Pima County representative. Provide briefings and updates

to elected officials in Ward 3 and Pima County District 1 as project construction progresses.

7. Website - Maintain the website including posting construction updates, all project materials, maps, photographs and other items of interest to inform the public about the progress of the project. Kaneen will be responsible for managing the website, collecting information, and facilitating answering of questions, etc.
8. Project Information Line – Maintain project information phone line; respond to incoming phone calls on project information line during regular office hours of 8 AM to 5 PM Monday through Friday transferring the phone line to contractor during nighttime and weekend hours. Maintain log of construction inquiries and obtain contact information, respond to inquiries, referring inquiries to team members as appropriate.
9. Project and Account Management – Coordination and communications with project team members regarding overall project management including work progress summary and budget review. (Assumes 12 months)

Proposal for NRI Relief Sewer - Direct Costs for  
Public Relations & Community Outreach Services



Pima County NRI Relief Project  
August 28, 2014

Public Outreach for 12 Months  
ESTIMATE OF DIRECT COSTS

TASK DESCRIPTION	PRINTING	POSTAGE*	MAILING LIST/ SERVICE	ROOM RENTAL	REFRESHMENTS	DISPLAYS/ MEETING MATERIAL	GRAPHIC DESIGNER	WEBSITE UPDATES AND MAINTENANCE/E-MAIL SERVICE/INFO LINE	COLOR COPIES/ MISC	DIRECT TOTAL
1. Open House	600		350	300	50	250	500		150	2200
2. TSM (Traffic System Management) Meeting	100				10	100			25	235
3. Neighborhood Notifications	150								75	225
4. Contruction Meetings										0
5. Traffic Alerts								200		200
6. Pima County and Elected Official Updates/Briefings						150			50	200
7. Website Updates							300	600		900
8. Project Information Line										0
9. Project/Account Management										0
<b>TOTAL</b>	<b>\$850</b>	<b>\$0</b>	<b>\$350</b>	<b>\$300</b>	<b>\$60</b>	<b>\$500</b>	<b>\$800</b>	<b>\$800</b>	<b>\$300</b>	<b>\$3,960</b>

\*Assumes postage for all mailings and notifications to be paid for directly by Pima County.

Proposal for NRI Relief Sewer Estimate of Manhours for Public Relations & Community Outreach Services



Pima County NRI Relief Project  
August 28, 2014

Public Outreach for 12 Months  
ESTIMATE OF MANHOURS

Task	Project Principal/Manager	Designer/Artist	Public Relations Coordinator	Clerical	Total Hours	Total Labor Costs	Direct Expenses	Total Costs
	\$120	\$95	\$80	\$45				\$ 39,750.00
1. Open House	32	12	24	10	78	\$7,350	\$ 2,200.00	\$ 9,550.00
2. TSM (Traffic System Management) Meeting	15	2	8	2	27	\$2,720	\$ 235.00	\$ 2,955.00
3. Neighborhood Notifications	30	8	15	8	61	\$5,920	\$ 225.00	\$ 6,145.00
4. Contruction Meetings	60	0	20	4	84	\$8,980	\$ -	\$ 8,980.00
5. Traffic Alerts	14	2	2	2	20	\$2,120	\$ 200.00	\$ 2,320.00
6. Pima County and Elected Official Updates/Briefings	20	0	4	0	24	\$2,720	\$ 200.00	\$ 2,920.00
7. Website Updates	16	2	2	2	22	\$2,360	\$ 900.00	\$ 3,260.00
8. Project Information Line	12	0	4	4	20	\$1,940	\$ -	\$ 1,940.00
9. Project/Account Management	6	0	12	0	18	\$1,680	\$ -	\$ 1,680.00
<b>TOTAL</b>	<b>205</b>	<b>26</b>	<b>91</b>	<b>32</b>	<b>354</b>	<b>\$35,790</b>	<b>\$ 3,960.00</b>	<b>\$ 39,750.00</b>

**PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14**  
**CERTIFIED ARBORIST FOR TREE TRIMMING SERVIES - BID ITEM 2.3 on EXHIBIT A.3**



**LABOR/MATERIAL/EQUIPMENT BREAKDOWN**  
**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT**  
**CONSTRUCTION MANAGER AT RISK SERVICES**

B&F CONTRACTING, INC.  
 1904 W. Prince Rd.  
 Tucson, AZ 85705  
 Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item	Description									
1	Tree Trimming by Certified Arborist / Pickup & Haul off Tree Trimming Debris									
<u>LABOR</u>	<u>QTY</u>	<u>Hours</u>	<u>Unit</u>	<u>Price</u>	<u>TOTAL</u>	<u>Rate</u>	<u>Labor Burden</u>	<u>Total</u>		
							0.32			
Operator	1	8	HR	\$ 33.00	\$ 264.00	\$ 25.00	\$ 8.00	\$ 33.00		
Laborer	1	8	HR	\$ 30.36	\$ 242.88	\$ 23.00	\$ 7.36	\$ 30.36		
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	\$ 23.00	\$ 7.36	\$ 30.36		
<u>EQUIPMENT</u>	<u>QTY</u>	<u>Hours</u>	<u>Unit</u>	<u>Price</u>	<u>TOTAL</u>					
Crew Truck	1	8	DAY	\$ 28.89	\$ 231.12					
CAT 420E Backhoe	1	8	HR	\$ 41.01	\$ 328.08					
10 Wheeler	1	8	HR	\$ 81.57	\$ 652.56					
Crew, & Equipment Daily Rate:					\$ 1,961.52					

Cost or work Breakdown for Line Item Based on above units and below durations

	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Total</u>
Haul off Tree Trimmings from Certified Arborist (estimated at 2 days per phase)	Day	12	\$ 1,961.52	\$ 23,538.24

**VENDORS/SUPPLIERS/MATERIALS**

Certified Arborist (65 hours per phase)	HR	400	\$ 55.00	\$ 22,000.00
Dump Fees	EA	20	\$ 15.00	\$ 300.00

LINE ITEM # 1 TOTAL COST \$45,838.24



## **EXHIBIT A.10**

### **BID ANALYSIS, QUOTES & BACKUP**

#### **Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project**

See the following attached bids and quotes from material suppliers, vendors, etc.:



Bill To:  
104483  
B & F CONTRACTING INC  
11011 NORTH 23RD AVENUE  
PHOENIX, AZ 85029

Ship To:  
B & F CONTRACTING  
11011 NORTH 23RD AVE  
PHOENIX, AZ 85029

FMP Discharge Pipe HDPE Quote  
See Exhibit A.8

Quote Number	18009855
Quote Date	10/02/14
Expiration Date	10/09/14
Page	1 of 1

Payment Terms NET 30	Customer Job/Project Name NRI - REHAB PROJECT	Written By ZACH CRAVEN
Freight Terms PREPAID AND ALLOW	Contact DAN FOLEY (623)582-1170	Sales Rep ERNST - BAUCH
Ship Via Best Way	Additional Info NRI REHAB - TUCSON, AZ	

#	Qty	UM	Product	Description	Each	Extended
1	1,000	FT	10082611	8" DR 26 IPS PIPE HDPE AWWA	4.44	4,440.00
2	9,000	FT	10122612	12" DR 26 IPS PIPE HDPE AWWA	9.69	87,210.00
3	11,000	FT	10182611	18" DR 26 IPS PIPE HDPE AWWA	19.52	214,720.00

FREIGHT TO TUCSON, AZ INCLUDED

APPROXIMATE LEAD TIME 5 WEEKS ARO

ISCO Standard Terms and Conditions apply. Please visit <http://www.isco-pipe.com/terms-and-conditions.aspx>

Merchandise Total	Tax(1)	Freight(2)	Quote Total
306,370.00	0.00	0.00	US \$ 306,370.00
<sup>1</sup> Sales tax will be charged based on the ship to address at the time of invoice if there is no tax certificate on file.		Accepted By: _____	
<sup>2</sup> Freight amount in this quote is an estimate only. Actual freight terms and charges will be determined at the time the order is placed.		Printed Name: _____	
		Date: _____	

926 Baxter Avenue \* Louisville, KY 40204

800-345-4726

**SECOR**  
Project Quotation

FMP Discharge Pipe HDPE Quotation  
See Exhibit A.8

Salesman: Bill Burton  
Office: Albuquerque, NM  
Phone: 866-735-2455  
Facsimile: 505-341-0771  
Date: October 2, 2014  
Quote # 1022014BB1

Complete Piping Systems Serving:  
Environmental, Industrial, Irrigation,  
Mining, Natural Gas, Tele-Com,  
Water & Wastewater

Project Name: NRI Rehab  
Location: Tuscon, AZ  
Bid Date: October 2, 2014  
Engineer: Dan Foley  
Contractor: B & F Contracting  
Municipality:

Line Item	Quantity	Size	Manufacturer	Description	Unit Price	Total Price	Availability
1	1000	8" IPS	WL Plastics	SDR-17 PE4710 AWWA Black HDPE X 50'	\$6.67 ft	\$6,670.00	3-4 Weeks
2	9000	12" IPS	WL Plastics	SDR-26 PE4710 AWWA Black HDPE X 50'	\$9.72 ft	\$87,480.00	3-4 Weeks
3	11000	18" IPS	WL Plastics	SDR-26 PE4710 AWWA Black HDPE X 50'	\$19.38 ft	\$213,180.00	3-4 Weeks
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
					<b>Total Sale:</b>	<b>\$307,330.00</b>	

**<<<< Terms & Conditions >>>>**

- |                     |                        |  |
|---------------------|------------------------|--|
| * Payment Terms:    | <b>30 days net.</b>    | * Sale Prices exclude any applicable sales taxes.  |
| * FOB Point:        | Tuscon, AZ             | * Changes in quantities may affect price per unit. |
| * Ship Via:         | Best Way               |  |
| * Quote Valid Until | <b>October 9, 2014</b> |  |

**Additional Comments:**



FERGUSON WATERWORKS #3082  
2275 EAST GINTER ROAD  
TUCSON, AZ 85706

FMP Discharge Pipe HDPE Quote  
See Exhibit A.8

Deliver To: darryn.gaylor@ferguson.com  
From: Darryn Gaylor  
Comments:

15:40:25 OCT 02 2014

FERGUSON WATERWORKS #3083

Price Quotation  
Phone : 520-294-3344  
Fax : 520-294-4770

Page # 1

**Bid No.....:** B215614

**Bid Date.....:** 10/02/14

**Quoted By..:** DLG

**Cust**

**Terms.....:** CASH ON DEMAND

**Customer:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Ship To:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Cust PO#...:** HDPE PIPE QUOTE

**Job Name:** NRI REHABILITATION

Item	Description	Quantity	Net Price	UM	Total
	HDPE PIPE QUOTE GOOD UNTIL 10/31/14.				
PEI26AX50	8X50 IPS SDR26 HDPE PIPE	1000	450.000	C	4500.00
PEI26A1250	12X50 IPS SDR26 HDPE PIPE	9000	982.979	C	88468.11
PEI26A1850	18X50 IPS SDR26 HDPE PIPE	11000	1959.574	C	215553.14
	LEAD TIME ON ALL PIPE IS 4-8 WEEKS ARO.				

**Net Total:** \$308521.25

**Tax:** \$0.00

**Freight:** \$0.00

**Total:** \$308521.25

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This quote is offered contingent upon the buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at [http://wolseleyna.com/terms\\_conditionsSale.html](http://wolseleyna.com/terms_conditionsSale.html).  
Govt Buyers: All items are open market unless noted otherwise.

**LEAD LAW WARNING:** It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with \*NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



FERGUSON WATERWORKS #3082  
2275 EAST GINTER ROAD  
TUCSON, AZ 85706

A.R.I - Air Relief Valve - Quote  
See Exhibit A.8

Deliver To: darryn.gaylor@ferguson.com  
From: Darryn Gaylor  
Comments:

17:32:30 JUL 01 2014

FERGUSON WATERWORKS #3083

Price Quotation

Page # 1

Phone : 520-294-3344

Fax : 520-294-4770

**Bid No.....:** B210522

**Bid Date.....:** 07/01/14

**Quoted By.:** DLG

**Cust**

**Terms.....:** CASH ON DEMAND

**Customer:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Ship To:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Cust PO#...:** ARV'S

**Job Name:** NRI REHABILITATION

Item	Description	Quantity	Net Price	UM	Total
AD025MTHRD	3 COMB AIR VLV F/ SEW SAAR PART NUMBER D025TP03 LEAD TIME TO BE DETERMINED AT TIME OF ORDER.	16	1020.838	EA	16333.41

**Net Total:** \$16333.41

**Tax:** \$0.00

**Freight:** \$0.00

**Total:** \$16333.41

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This quote is offered contingent upon the buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at [http://wolseley.com/terms\\_conditionsSale.html](http://wolseley.com/terms_conditionsSale.html).  
Govt Buyers: All items are open market unless noted otherwise.

**LEAD LAW WARNING:** It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with \*NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



***NRI REHAB  
SEWER  
NW TUCSON***

**PVC Pipe Pricing**

Due to ongoing global disruptions in the PVC resin marketplace, prices will be subject to the Manufacturers price in effect at the time of shipment.

**Quote:** RM060314B  
**Bid Date:** ASAP!!

**Bid Proposal Prepared For:**

DAN FOLEY  
B & F CONTRACTING, INC  
11011 N. 23RD AVENUE  
PHOENIX AZ 85029-4807

**Bid Prepared By:**

Bid Lead: RICK MARTINEZ  
Take-Off: CUSTOMER LIST

**Lake Havasu City**  
P: 928.854.5050  
F: 928.854.5075  
**Prescott**  
P: 928.445.1433  
F: 928.445.9244

**Show Low**  
P: 928.537.4076  
F: 928.537.4147

**Phoenix**  
P: 602.255.0234  
F: 602.254.5503  
**Tucson**  
P: 520.624.7180  
F: 520.624.7280

## Proposal Details

This proposal has been prepared with the following assumptions:

### Specifications

PIMA COUNTY specifications will prevail in this proposal.

### Vendors

Material for this project will be provided by the following vendors:

Material	Vendor	Lead Times
Ductile Pipe	Pac States	6-8 Weeks
Clamps&Couplings	Romac	2-3 Weeks
PVC Pipe	Diamond Plastics	Stock-6 Weeks
Knife Gate Valve	Red Valve	Stock-18 Weeks
Copper	Cambridge-Lee	Stock

### Terms & Conditions

In addition to the Dana Kepner Standard Terms & Conditions of Sale, the following apply to this proposal:

Due to the extreme volatility of raw material, energy, and transportation costs, the prices shown in this quotation are only valid for 30 days, with the exception of PVC Pipe prices. PVC prices will be subject to the Manufacturers price in effect at the time of shipment. Order releases and shipments delivered 60 days beyond the order date, or as stipulated, will be subject to the price in effect at the time of shipment.

Prices are valid for 30 days after the bid date.

Totals are for estimating purposes only. Unit prices prevail.

The materials specifications, sizes, and quantities listed are the interpretations of Dana Kepner Company, Inc. and are believed to be correct, but are not guaranteed.

Dana Kepner Company, Inc. is not responsible for manufacturers ability to ship material or hold prices.

**Terms are net 30, and Quote is based on award of complete project.**

Due to volatility in the copper commodity market, copper tubing pricing will be determined at time of shipment.

Connecting hardware for Non-DK supplied material is not included in bid, unless otherwise noted.

Quoted totals do not include taxes.

Clay Pipe and Fittings are Non-Returnable.

**PVC Sewer Pipe may come in 13', 14', 20', & 22' lengths, based on availability. Regardless of product description in this proposal.**

**Thank you for the opportunity to bid this project.**

## Bid Detail

**SEWER****PVC**

Qty	UM	Product Description	Unit Price	Total Price
300.0	FT	18"X20' DR 25 CL 165 C-905	\$26.76	\$8,028.00
308.0	FT	21"X14' PVC SEWER PIPE F679	\$24.65	\$7,592.20
300.0	FT	24"X20' CLASS 165 PIPE, C905 PVC DR 25	\$47.62	\$14,286.00
308.0	FT	27"X14' PVC SEWER PIPE F679	\$42.76	\$13,170.08
300.0	FT	30"X20' DR 25 CL 165 C-905	\$76.43	\$22,929.00
300.0	FT	36"X20' DR 25 CL 165 C-905	\$110.97	\$33,291.00

**NOTE:33"PIPE NOT AVAILABLE!! QUOTING  
21" & 27" AS F679 HEAVY WALL!!**

**Total:** \$99,296.28  
**Average Cost per Ft.:** \$54.68

**DIP**

Qty	UM	Product Description	Unit Price	Total Price
108.0	FT	18"X18'0" CL350 SP2000 TYTON JT	\$100.31	\$10,833.48
108.0	FT	20"X18'0" CL350 SP2000 TYTON JT	\$116.69	\$12,602.52
108.0	FT	24"X18'0" CL350 SP2000 TYTON JT	\$152.98	\$16,521.84
108.0	FT	30"X18'0" CL350 SP2000 TYTON JT	\$228.80	\$24,710.40
108.0	FT	36"X18'0" CL350 SP2000 TYTON JT	\$282.71	\$30,532.68
2.0	EA	FREIGHT CHARGED	\$4,500.00	\$9,000.00

**NOTE:33"DIP IS NOT AVAILABLE! EACH  
TRUCK LOAD IS \$4500 FREIGHT CHARGE!!**

340.0	FT	37"X340' BLACK POLY TUBE (14"-18") 8 MIL 20' PERFS	\$0.65	\$221.00
340.0	FT	54X154' BLACK POLYTUBE (20-24") 8 MIL PERF EVERY 22 FEET	\$1.00	\$340.00
340.0	FT	67"X154' BLACK POLYTUBE (30") 8 MIL PERF EVERY	\$1.30	\$442.00
340.0	FT	81"X154' BLACK POLYTUBE 8 MIL PERF EVERY 22 FEET	\$1.75	\$595.00
50.0	EA	2' X 100'ROLL PIPE WRAPPING TAPE	\$4.51	\$225.50
<b>Total:</b>				\$106,024.42
<b>Average Cost per Ft.:</b>				\$163.62

**KNIFE GATE**

Qty	UM	Product Description	Unit Price	Total Price
12.0	EA	8"RED VALVE SERIES G KNIFE GATE VALVE	\$1,578.89	\$18,946.68
12.0	EA	12"RED VALVE SERIES G KNIFE GATE VALVE	\$3,542.22	\$42,506.64
12.0	EA	18"RED VALVE SERIES G KNIFE GATE VALVE	\$7,070.00	\$84,840.00
1.0	EA	FREIGHT CHARGED	\$1,350.00	\$1,350.00

**NOTE:EACH CRATE CHARGE IS \$1350!!**

**Total:** \$147,643.32  
**Average Cost per PCS:** \$4,101.20

**ARI VALVE**

Qty	UM	Product Description	Unit Price	Total Price
1.0	EA	3"THREADED CARV ARI D025TP03	\$1,020.84	\$1,020.84
<b>Total:</b>				\$1,020.84
<b>Average Cost per PCS:</b>				\$1,020.84

**HDPE**

ARV = 16 each x \$1,020.84 = \$16,333.44

Qty	UM	Product Description	Unit Price	Total Price
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Run Date 7/01/14

HD SUPPLY WATERWORKS, LTD.

A.R.I - Air Relief Valve - Quote  
See Exhibit A.8B & F CONTRACTING INC  
STOCK PHOENIX  
11011 N 23RD AVE STE 104  
PHOENIX AZ 85029  
Telephone: 623-582-1170  
Fax: 623-582-2663GILBERT AZ  
1410 W Harvard Ave  
Gilbert AZ 85233  
Telephone: 480-926-7003  
Fax: 480-926-7050

7/01/14 Bid ID: 3878920 NRI

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
------	----------	-------------	-------------	--------------	-------------------

ATTN TOM FOLEY

DUE TO CONTINUOUS PRICE  
INCREASES ON ALL MATERIAL,  
THIS PRICE QUOTE WILL NEED TO  
BE REVISED BY 08/01/14.

90	16	EA	3" ARI D-025 COMBO VLV-POLYMER ARI DO25TP03 THREADED 3-150PSI REINFORCED NYLON BODY
----	----	----	---

1,020.84	16,333.44
----------	-----------

ORBINOX KNIFE GATE VALVES  
BODY 304SS, GATES 304SS  
SEAT - EPDM, PACKING - PTFE  
IMPREGNATED SYTHETIC FIBER  
YOKE - EPOXY COATED CS  
ANSI 150 FLANGE CONNECTION  
ACTUATOR: RISING STEM W/HAND  
WHEEL

200	12	EA	8 KNIFE GATE VALVE ORBINOXC MODEL SERIES 20	835.37	10,024.44
220	8	EA	12" KNIFE GATE VALVE ORBINOX MODEL SERIES 20	1,507.32	12,058.56
240	8	EA	18 KNIFE GATE W/HW ORBINOX MODEL SERIES 20	3,506.10	28,048.80

FOB: AMORY, MS  
FREIGHT PREPAID AND ADD-TERMS  
CAN SHIP 3-5 DAYS ARO 8" & 12"  
18" 4-6 WEEK LEAD TIME

Subtotal: 66,465.24

Tax: .00  
Bid Total: 66,465.24

## TERMS AND CONDITIONS OF SALE ("Terms")

1. All references in this document to "Seller" shall include HD Supply, Inc. and / or any parent, subsidiary or affiliate of HD Supply, Inc. (including any division of the foregoing) whether or not performing any or all of the scope hereunder or specifically identified herein. All references to "Buyer" shall include all parent(s), subsidiaries and affiliates of the entity placing the order. Buyer and Seller may be referred to individually as a "Party" and collectively as "Parties".
2. All sales to Buyer are subject to these Terms, which shall prevail over any inconsistent terms of Buyer's purchase order or other documents. Additional or different terms and conditions in any way altering or modifying these Terms are expressly objected to and shall not be binding upon Seller unless specifically accepted in writing by Seller's authorized representative. No modification or alteration of these Terms shall result by Seller's shipment of goods following receipt of Buyer's purchase order, or other documents containing additional, conflicting or inconsistent terms. There are no terms, conditions, understandings, or agreements other than those stated herein, and all prior proposals and negotiations are merged herein. These Terms are binding on the Parties, their successors, and permitted assigns.
3. Prices on Seller website, catalogs or in Seller quotes are subject to change without notice, and all such prices expire and become invalid if not accepted within 10 calendar days from the date of issue, unless otherwise noted by Seller in writing. Price extensions if made are for Buyer's convenience only, and they, as well as any mathematical, stenographic or clerical errors, are not binding on Seller. Prices shown do not include any sales, excise, or other governmental tax or charge payable by Seller to any federal, state or local authority. Any taxes now or hereafter imposed upon sales or shipments will be added to the purchase price, and Buyer shall reimburse Seller for any such tax or provide Seller with an acceptable tax exemption certificate. All prices and other terms provided to Buyer shall be kept confidential except to the extent a Party is required by law to disclose the same.
4. Seller shall not be liable for delay or default in delivery resulting from any cause beyond Seller's reasonable control, including, but not limited to, governmental action, strikes or other labor troubles, fire, damage or destruction of goods, wars (declared or undeclared), acts of terrorism, manufacturers' shortages, availability or timeliness of transportation, materials, fuels, or supplies, and acts of God (each a "Force Majeure Event"). Upon the occurrence of a Force Majeure Event: (a) the time for Seller's performance shall be extended reasonably and the Parties shall adjust all affected dates accordingly; (b) the purchase price shall be adjusted for any increased costs to Seller resulting from such Force Majeure Event; and (c) Buyer shall not be entitled to any other remedy.
5. Seller is a reseller of goods only, and as such does not provide any warranty for the goods it supplies hereunder. Notwithstanding this As-Is limitation, Seller shall pass through to Buyer any transferable manufacturer's standard warranties with respect to goods purchased hereunder. BUYER AND PERSONS CLAIMING THROUGH BUYER SHALL SEEK RECOURSE EXCLUSIVELY FROM MANUFACTURERS IN CONNECTION WITH ANY DEFECTS IN OR FAILURES OF GOODS, AND THIS SHALL BE THE EXCLUSIVE RECOURSE OF BUYER AND PERSONS CLAIMING THROUGH BUYER FOR DEFECTIVE GOODS, WHETHER THE CLAIM OF BUYER OR THE PERSON CLAIMING THROUGH BUYER SHALL SOUND IN CONTRACT, TORT, STRICT LIABILITY, PURSUANT TO STATUTE, OR FOR NEGLIGENCE. BUYER SHALL PASS THESE TERMS TO SUBSEQUENT BUYERS AND USERS OF GOODS. SELLER EXCLUDES AND DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SELLER ASSUMES NO RESPONSIBILITY WHATSOEVER FOR SELLER'S INTERPRETATION OF PLANS OR SPECIFICATIONS PROVIDED BY BUYER, AND BUYER'S ACCEPTANCE AND USE OF GOODS SUPPLIED HEREUNDER SHALL BE PREMISED ON FINAL APPROVAL BY BUYER OR BY BUYER'S RELIANCE ON ARCHITECTS, ENGINEERS, OR OTHER THIRD PARTIES RATHER THAN ON SELLER'S INTERPRETATION. TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT, WHETHER IN CONTRACT, WARRANTY, INDEMNITY, TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, ARISING DIRECTLY OR INDIRECTLY OUT OF THE PERFORMANCE OR BREACH OF THESE TERMS, SHALL SELLER BE LIABLE FOR (a) ANY INCIDENTAL, INDIRECT, PUNITIVE, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES SUCH AS LOSS OF USE, LOST PROFITS, ATTORNEYS' FEES OR DELAY DAMAGES, EVEN IF SUCH DAMAGES WERE FORESEEABLE OR CAUSED BY SELLER'S BREACH OF THIS AGREEMENT, (b) ANY CLAIM THAT PROPERLY IS A CLAIM AGAINST THE MANUFACTURER, OR (c) ANY AMOUNT EXCEEDING THE AMOUNT PAID TO SELLER FOR GOODS FURNISHED TO BUYER WHICH ARE THE SUBJECT OF SUCH CLAIM(S). ALL CLAIMS MUST BE BROUGHT WITHIN ONE YEAR OF ACCRUAL OF A CAUSE OF ACTION.
6. Buyer shall indemnify, defend, and hold Seller its officers, directors, employees and agents harmless from any and all costs (including attorneys' and accountants' fees and expenses), liabilities and damages resulting from or related to any third party (including Buyer's employees) claim, complaint and/or judgment arising from Buyer's use of any goods furnished hereunder, as well as any negligent, intentional, or tortious act or omission of Buyer or any material breach by Buyer of these Terms.
7. When goods are delivered to Buyer in Seller's own vehicles, the F.O.B. point shall be Buyer's designated delivery site. In all other cases the F.O.B. point shall be Seller's store or warehouse and all responsibility and costs of shipping and delivery beyond the applicable F.O.B. point shall be borne by Buyer. Title and risk of loss shall pass to Buyer at the applicable F.O.B. point, which for goods not delivered in Seller's own vehicles shall be when Seller delivers the goods to the common carrier. All claims for shortage of goods or for loss or damage to goods as to which Seller has the risk of loss shall be waived unless Buyer, within 10 calendar days after receipt of the short or damaged shipment, gives Seller written notice fully describing the alleged shortage or damage. Partial shipments are permitted at Seller's discretion.
8. Any change in product specifications, quantities, destinations, shipping schedules, or any other aspect of the scope of goods must be agreed to in writing by Seller, and may result in a price and delivery adjustment by Seller. No credit for goods returned by Buyer shall be given without Seller's written authorization. All returns are subject to a restocking charge.
9. Unless otherwise agreed in writing, payment terms are net 30 days from delivery, payable in United States of America ("U.S.") dollars. Notwithstanding the foregoing, all orders are subject to Seller's continuing approval of Buyer's credit. If Buyer's credit is not approved or becomes unsatisfactory to Seller then Seller, in its sole discretion, may suspend or cancel performance, or require different payment terms, including but not limited to cash on delivery or in advance of shipment. In addition, Seller may in its discretion require an advance deposit of up to 100% of Seller's selling price for any specially manufactured goods ordered by Buyer hereunder. Payments due hereunder shall be made in the form of cash, check, or money order, or other tender approved in writing by Seller. Seller may, in its sole discretion, apply Buyer's payment against any open charges. Past due accounts bear interest at the lesser of 1.5% per month or the maximum rate permitted by applicable law, continuing after Seller obtains judgment against Buyer. Seller may exercise setoff or recoupment to apply to or satisfy Buyer's outstanding debt. Buyer shall have no right of setoff hereunder, the same being expressly waived hereby.
10. Buyer shall not export or re-export, directly or indirectly, all or any part of the goods or related technology obtained from Seller under these Terms except in accordance with applicable export laws and regulations of the U.S. Further, a Buyer that is a non-U.S. company or citizen shall similarly limit any export or re-export activity to that which would be deemed compliant with U.S. export laws and regulations if performed by a U.S. company or citizen.
11. Buyer shall pay Seller all costs and expenses of collection, suit, or other legal action brought as a result of the commercial relationship between them, including, but not limited to, all actual attorneys' and paralegals' fees, and collection costs, incurred pre-suit, through trial, on appeal, and in any administrative or bankruptcy proceedings. Any cause of action that Seller has against Buyer may be assigned without Buyer's consent to HD Supply, Inc. or to any affiliate, parent or subsidiary of HD Supply, Inc.
12. This Agreement, Buyer's account, and the business relationship between Buyer and Seller shall be governed by and construed in accordance with the laws of Georgia without regard to conflicts of laws rules, and specifically excluding the UN Convention on Contracts for the International Sale of Goods. The Parties agree that any legal action arising under or related to this Agreement shall be brought in Cobb County, Georgia, and any right to object to such venue or to assert the inconvenience of such forum is hereby waived.
13. If Buyer fails to comply with these Terms, Seller may terminate or restrict any order immediately upon notice to Buyer. Buyer certifies that it is solvent and that it will advise Seller immediately if it becomes insolvent. Buyer agrees to send Seller written notice of any changes in the form of ownership of Buyer's business within 5 days of such changes. Buyer and Seller are the only intended beneficiaries of this document, and there are no third party beneficiaries.
14. The invalidity or unenforceability of all or part of these Terms will not affect the validity or enforceability of the other terms. The parties agree to replace any void or unenforceable term with a new term that achieves substantially the same practical and economic effect and is valid and enforceable.
15. The following provisions shall survive termination, cancellation and completed performance of this Agreement as long as necessary to allow the aggrieved party to fully enforce such clauses: 5, 6, 9, 10, 11 and 12.



# HILL BROTHERS Chemical Co.

Tucson, AZ

Hypochlorite - Disinfectant - Quote  
See Exhibit A.8

## Invoice

**Remit To:** Hill Brothers Chemical Co.  
Tucson Division  
1675 N. Main St.  
Orange, CA. 92867-3499  
(520) 795-9351  
Fax: (520) 881-2369

Number	Invoice Date
5078618	6/9/2014
Customer	Due Date
000005407100	7/9/2014
Terms	Salesperson
NET 30 DAYS	CRAIG ZIEGLER
Reference Number	
PO: ***QUOTE ONLY***	

**Sold To:** B & F CONTRACTING, INC.  
11011 N. 23RD AVENUE  
PHOENIX, AZ 85029

**Ship To:** B & F CONTRACTING, INC.  
11011 N. 23RD AVENUE  
PHOENIX, AZ 85029

Shipper Number	Order Date	Shipping Date	Purchase Order Number	Shipped Via	F.O.B.
5078618	6/9/2014		***QUOTE ONLY***	HILL BROTHERS	TUC

Ordered	Shipped	Package Size	Product Code	Description	Units	Unit Meas.	Unit Price	Amount
1.00	1.00	13 GAL CBY	CC17000U0	12.5% LIQUID BLEACH	13.00	GAL	3.0000	39.00
				Container Deposit:	1.00	EA	20.0000	20.00
1.00	1.00	300 GAL TOTE	CC17000Z0	SODIUM HYPOCHLORITE 12.5%	300.00	GAL	1.9500	585.00
				Container Deposit:	1.00	EA	400.0000	400.00

NRI Quantities for 12.5% 300 Gallon Hypochlorite Tote  
Cost = 300 Gal x \$1.95/Gal x 2 refills = \$1,170.00  
plus tote container cost of \$400.00 = \$1570.00

NRI Quantities for 12.5% 13 Gallon Hypochlorite Container  
Cost = 13 Gal x \$3.0/Gal x 6 each containers = \$234.00  
plus container cost of 6 each @ 20.00 = \$120.00  
Total Cost of \$354.00

**TOTAL Cost: \$1570 + \$354 = \$1924**

Containers Returned	Quantity	Refund	Total
---------------------	----------	--------	-------

QUOTE ONLY!!

Remarks:

07-411434

Charge for container is required to be paid with invoice. The charge is refundable for credit if the container is returned in good condition. Goods or services covered by this invoice were produced, manufactured or purchased in accordance with provisions of the Fair Labor Standards Act of June 25, 1938. For billing questions call (520) 795-9351

### CDPRR Information

N/A
N/A
N/A

Sales Amount: \$624.00  
Total Tax: \$0.00  
Container Deposit: \$420.00  
Container Refund: \$0.00  
OUTSIDE FREIGHT: \$0.00  
  
Total: \$1,044.00

# West Tech LLC

7150 West Roosevelt Street  
Building C Suite 117  
Phoenix, AZ 85043  
623-476-5600 office

## Estimate

Date	Estimate #
5/22/2014	14-4150

Name / Address
<i>B&amp;F Contracting Inc 11011 N 23rd Ave Phoenix, AZ 85029</i>

Ship To

Job Name	Quoted by	Terms	FOB
Sewer Rehab	Chris	Net 30	Factory PPA

Qty	Description	Net Each	Total
5	Orbinox SIZE:8" MODEL: Ser. 10 Unidirectional semi lug wafer knife gate valve. BODY MATERIAL: Cast iron GATE MATERIAL: 304 SS SEAT:EPDM PACKING MATERIAL: PTFE impregnated synthetic fiber YOKE: Epoxy coated C.S. FLANGE CONNECTION: ANSI 150 ACTUATOR:Rising stem hand wheel	644.00	3,220.00T
5	Orbinox SIZE:12" MODEL: Ser. 10 Unidirectional semi lug wafer knife gate valve. BODY MATERIAL: Cast iron GATE MATERIAL: 304 SS SEAT:EPDM PACKING MATERIAL: PTFE impregnated synthetic fiber YOKE: Epoxy coated C.S. FLANGE CONNECTION: ANSI 150 ACTUATOR:Rising stem hand wheel	1115.00	5,575.00T
5	Orbinox SIZE:18" MODEL: Ser. 10 Unidirectional semi lug wafer knife gate valve. BODY MATERIAL: Cast iron GATE MATERIAL: 304 SS SEAT:EPDM PACKING MATERIAL: PTFE impregnated synthetic fiber YOKE: Epoxy coated C.S. FLANGE CONNECTION: ANSI 150 ACTUATOR:Rising stem hand wheel	2599.00	12,995.00T

PRICING GOOD FOR 15 DAYS FROM ESTIMATE DATE

NO RETENTION ALLOWED ..  
ALL PRICING SUBJECT TO APPROVAL

SEE ATTACHED TERMS & CONDITIONS

NRI Quantities for Knife Gate Valves  
8" Knife Gate = 14 each x \$644 = \$9,016.00  
12" Knife Gate = 12 each x \$1115 = \$13,380.00  
18" Knife Gate = 10 each x \$2599 = \$25,990.00  
Total for Knife Gate Valves = \$48,386.00 +  
1808.57 freight = \$50,194.57

# West Tech LLC

7150 West Roosevelt Street  
Building C Suite 117  
Phoenix, AZ 85043  
623-476-5600 office

## Estimate

Date	Estimate #
5/22/2014	14-4150

Name / Address
<i>B&amp;F Contracting Inc 11011 N 23rd Ave Phoenix, AZ 85029</i>

Ship To

Job Name		Quoted by	Terms	FOB	
Sewer Rehab		Chris	Net 30	Factory PPA	
Qty	Description		Net Each		Total
	<p>NOTES: 1. FOB: AMORY, MS 2. FREIGHT: BEST WAY PRE PAID &amp; ADD 3. LEAD TIME: 2-3 WEEKS ARO 4. NET 30 TERMS UPON CREDIT APPROVAL 5. IF BEING RESOLD PLEASE SEND COPY OF TAX EXEMPT FORM TO REMOVE AZ/PHOENIX SALES TAX 6. BILLING THRU WEST TECH LLC Arizona/Phx Sales Tax</p>				1,808.57

NRI Quantities for Knife Gate Valves  
8" Knife Gate = 14 each x \$644 = \$9,016.00  
12" Knife Gate = 12 each x \$1115 = \$13,380.00  
18" Knife Gate = 10 each x \$2599 = \$25,990.00  
Total for Knife Gate Valves = \$48,386.00 +  
1808.57 freight = \$50,194.57

PRICING GOOD FOR 15 DAYS FROM ESTIMATE DATE

NO RETENTION ALLOWED ..  
ALL PRICING SUBJECT TO APPROVAL

SEE ATTACHED TERMS & CONDITIONS

# West Tech LLC

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## TERMS AND CONDITIONS OF SALE AS OF 1-1-2014

1. **QUOTATIONS:** Quotations shall remain open for thirty (30) days and in the meantime may be changed or withdrawn. The terms of this proposal shall exclusively govern the sale and Purchaser's acceptance of this proposal is expressly limited to those terms. Any acceptance by West Tech LLC is expressly conditioned on assent by Purchaser to West Tech LLC's terms. All delivery dates are subject to change at any time.
2. **ORDERS:** Quotations are for information purposes only and Purchaser's order is subject to acceptance and acknowledgement by West Tech LLC.
3. **TERMS OF PAYMENT:** Net 30 days from date of shipment, unless otherwise noted on West Tech LLC's invoice to customer & finance charge of 3% per month on past due balance. . West Tech LLC also reserves the right to demand terms of payment different from those specified herein whenever it reasonably appears that the Buyer's financial condition requires such change or if the purchase order is over \$10,000.00.
4. **WARRANTY, REMEDY, and DISCLAIMER:** WEST TECH LLC MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY THE SPECIFIC MANUFACTURE AND EXCLUDED FROM THESE TERMS OF SALE.
5. **LIMITATION OF LIABILITY:** West Tech LLC shall not in any event be liable for special, indirect, incidental or consequential damages. West Tech LLC's liability on any claim of any kind shall in no case exceed the price paid by the Purchaser for the equipment. West Tech LLC also disclaims all liability, whether in contract, tort, warranty, or otherwise, to any party other than Purchaser.
6. **SHIPPING DATES:** West Tech LLC shall not be liable for any loss or damage for delay or non-delivery due to any causes whatsoever not reasonably within the control of West Tech LLC.
7. **WEIGHT AND DIMENSIONS:** Any descriptions of equipment in any catalogue such as weights and dimensions are not guaranteed to be correct. Apply for certified dimension sheets.
8. **RETURN FOR CREDIT:** West Tech LLC's written consent must be obtained before returned goods will be accepted. All returned goods must have an RMA (Returned Materials Authorization) number obtained from West Tech LLC or items will not be accepted. Custom made product will be subject to return approval by West Tech LLC.
9. **CLAIMS:** Any claim for corrections or deductions must be made within five days after receipt of goods. Claims for shortages must be supported by a properly noted freight bill.
10. **CANCELLATIONS:** The Purchaser may cancel his order only upon written notice and payment to West Tech LLC of reasonable cancellation charges specified by West Tech LLC. All orders for products identified by West Tech LLC, Inc. as non-standard are non-cancelable, non-returnable.
11. **FREIGHT:** All shipments are F.O.B. factory. West Tech LLC responsibility ends with deliverance of goods to carrier and our possession of signed bill of lading. Claims for material damaged or lost in transit should be made to the carrier, as West Tech LLC's responsibility concludes upon delivery to the carrier.
12. **PACKAGING:** Unless specified by the Buyer in writing, all material will be packed as West Tech LLC deems necessary for proper protection. Additional charges may also be imposed if packaging instructions are other than standard
13. **MINIMUM ORDER:** \$75.00.
14. **APPLICABLE LAW:** Purchase orders shall be governed, enforced, and interpreted in accordance with the laws of the State of Arizona.

Run Date 7/01/14

HD SUPPLY WATERWORKS, LT

Knife Gate Valves Quote for FMP  
See Exhibit A.8

B & F CONTRACTING INC  
STOCK PHOENIX  
11011 N 23RD AVE STE 104  
PHOENIX AZ 85029  
Telephone: 623-582-1170  
Fax: 623-582-2663

GILBERT AZ  
1410 W Harvard Ave  
Gilbert AZ 85233  
Telephone: 480-926-7003  
Fax: 480-926-7050

7/01/14 Bid ID: 3878920 NRI

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
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ATTN TOM FOLEY

DUE TO CONTINUOUS PRICE  
INCREASES ON ALL MATERIAL,  
THIS PRICE QUOTE WILL NEED TO  
BE REVISED BY 08/01/14.

90	16	EA	3" ARI D-025 COMBO VLV-POLYMER ARI DO25TP03 THREADED 3-150PSI REINFORCED NYLON BODY	1,020.84	16,333.44
----	----	----	---	----------	-----------

ORBINOX KNIFE GATE VALVES  
BODY 304SS, GATES 304SS  
SEAT - EPDM, PACKING - PTFE  
IMPREGNATED SYTHETIC FIBER  
YOKE - EPOXY COATED CS  
ANSI 150 FLANGE CONNECTION  
ACTUATOR: RISING STEM W/HAND  
WHEEL

200	12	EA	8 KNIFE GATE VALVE ORBINOXC MODEL SERIES 20	835.37	10,024.44
220	8	EA	12" KNIFE GATE VALVE ORBINOX MODEL SERIES 20	1,507.32	12,058.56
240	8	EA	18 KNIFE GATE W/HW ORBINOX MODEL SERIES 20	3,506.10	28,048.80

FOB: AMORY, MS  
FREIGHT PREPAID AND ADD-TERMS  
CAN SHIP 3-5 DAYS ARO 8" & 12"  
18" 4-6 WEEK LEAD TIME

Subtotal: 66,465.24

Tax: .00

Bid Total: 66,465.24

## NRI Quantities for Knife Gate Valves

8" Knife Gate = 14 Each x \$835.37 = \$11,695.18  
12" Knife Gate = 12 each at \$1507.32 = \$18,087.84  
18" Knife Gate = 10 each at \$3506.10 = \$35,061.00  
Total = \$64,844.02



## TERMS AND CONDITIONS OF SALE ("Terms")

1. All references in this document to "Seller" shall include HD Supply, Inc. and / or any parent, subsidiary or affiliate of HD Supply, Inc. (including any division of the foregoing) whether or not performing any or all of the scope hereunder or specifically identified herein. All references to "Buyer" shall include all parent(s), subsidiaries and affiliates of the entity placing the order. Buyer and Seller may be referred to individually as a "Party" and collectively as "Parties".
2. All sales to Buyer are subject to these Terms, which shall prevail over any inconsistent terms of Buyer's purchase order or other documents. Additional or different terms and conditions in any way altering or modifying these Terms are expressly objected to and shall not be binding upon Seller unless specifically accepted in writing by Seller's authorized representative. No modification or alteration of these Terms shall result by Seller's shipment of goods following receipt of Buyer's purchase order, or other documents containing additional, conflicting or inconsistent terms. There are no terms, conditions, understandings, or agreements other than those stated herein, and all prior proposals and negotiations are merged herein. These Terms are binding on the Parties, their successors, and permitted assigns.
3. Prices on Seller website, catalogs or in Seller quotes are subject to change without notice, and all such prices expire and become invalid if not accepted within 10 calendar days from the date of issue, unless otherwise noted by Seller in writing. Price extensions if made are for Buyer's convenience only, and they, as well as any mathematical, stenographic or clerical errors, are not binding on Seller. Prices shown do not include any sales, excise, or other governmental tax or charge payable by Seller to any federal, state or local authority. Any taxes now or hereafter imposed upon sales or shipments will be added to the purchase price, and Buyer shall reimburse Seller for any such tax or provide Seller with an acceptable tax exemption certificate. All prices and other terms provided to Buyer shall be kept confidential except to the extent a Party is required by law to disclose the same.
4. Seller shall not be liable for delay or default in delivery resulting from any cause beyond Seller's reasonable control, including, but not limited to, governmental action, strikes or other labor troubles, fire, damage or destruction of goods, wars (declared or undeclared), acts of terrorism, manufacturers' shortages, availability or timeliness of transportation, materials, fuels, or supplies, and acts of God (each a "Force Majeure Event"). Upon the occurrence of a Force Majeure Event: (a) the time for Seller's performance shall be extended reasonably and the Parties shall adjust all affected dates accordingly; (b) the purchase price shall be adjusted for any increased costs to Seller resulting from such Force Majeure Event; and (c) Buyer shall not be entitled to any other remedy.
5. Seller is a reseller of goods only, and as such does not provide any warranty for the goods it supplies hereunder. Notwithstanding this As-Is limitation, Seller shall pass through to Buyer any transferable manufacturer's standard warranties with respect to goods purchased hereunder. BUYER AND PERSONS CLAIMING THROUGH BUYER SHALL SEEK RECOURSE EXCLUSIVELY FROM MANUFACTURERS IN CONNECTION WITH ANY DEFECTS IN OR FAILURES OF GOODS, AND THIS SHALL BE THE EXCLUSIVE RECOURSE OF BUYER AND PERSONS CLAIMING THROUGH BUYER FOR DEFECTIVE GOODS, WHETHER THE CLAIM OF BUYER OR THE PERSON CLAIMING THROUGH BUYER SHALL SOUND IN CONTRACT, TORT, STRICT LIABILITY, PURSUANT TO STATUTE, OR FOR NEGLIGENCE. BUYER SHALL PASS THESE TERMS TO SUBSEQUENT BUYERS AND USERS OF GOODS. SELLER EXCLUDES AND DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SELLER ASSUMES NO RESPONSIBILITY WHATSOEVER FOR SELLER'S INTERPRETATION OF PLANS OR SPECIFICATIONS PROVIDED BY BUYER, AND BUYER'S ACCEPTANCE AND USE OF GOODS SUPPLIED HEREUNDER SHALL BE PREMISED ON FINAL APPROVAL BY BUYER OR BY BUYER'S RELIANCE ON ARCHITECTS, ENGINEERS, OR OTHER THIRD PARTIES RATHER THAN ON SELLER'S INTERPRETATION. TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT, WHETHER IN CONTRACT, WARRANTY, INDEMNITY, TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, ARISING DIRECTLY OR INDIRECTLY OUT OF THE PERFORMANCE OR BREACH OF THESE TERMS, SHALL SELLER BE LIABLE FOR (a) ANY INCIDENTAL, INDIRECT, PUNITIVE, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES SUCH AS LOSS OF USE, LOST PROFITS, ATTORNEYS' FEES OR DELAY DAMAGES, EVEN IF SUCH DAMAGES WERE FORESEEABLE OR CAUSED BY SELLER'S BREACH OF THIS AGREEMENT, (b) ANY CLAIM THAT PROPERLY IS A CLAIM AGAINST THE MANUFACTURER, OR (c) ANY AMOUNT EXCEEDING THE AMOUNT PAID TO SELLER FOR GOODS FURNISHED TO BUYER WHICH ARE THE SUBJECT OF SUCH CLAIM(S). ALL CLAIMS MUST BE BROUGHT WITHIN ONE YEAR OF ACCRUAL OF A CAUSE OF ACTION.
6. Buyer shall indemnify, defend, and hold Seller its officers, directors, employees and agents harmless from any and all costs (including attorneys' and accountants' fees and expenses), liabilities and damages resulting from or related to any third party (including Buyer's employees) claim, complaint and/or judgment arising from Buyer's use of any goods furnished hereunder, as well as any negligent, intentional, or tortious act or omission of Buyer or any material breach by Buyer of these Terms.
7. When goods are delivered to Buyer in Seller's own vehicles, the F.O.B. point shall be Buyer's designated delivery site. In all other cases the F.O.B. point shall be Seller's store or warehouse and all responsibility and costs of shipping and delivery beyond the applicable F.O.B. point shall be borne by Buyer. Title and risk of loss shall pass to Buyer at the applicable F.O.B. point, which for goods not delivered in Seller's own vehicles shall be when Seller delivers the goods to the common carrier. All claims for shortage of goods or for loss or damage to goods as to which Seller has the risk of loss shall be waived unless Buyer, within 10 calendar days after receipt of the short or damaged shipment, gives Seller written notice fully describing the alleged shortage or damage. Partial shipments are permitted at Seller's discretion.
8. Any change in product specifications, quantities, destinations, shipping schedules, or any other aspect of the scope of goods must be agreed to in writing by Seller, and may result in a price and delivery adjustment by Seller. No credit for goods returned by Buyer shall be given without Seller's written authorization. All returns are subject to a restocking charge.
9. Unless otherwise agreed in writing, payment terms are net 30 days from delivery, payable in United States of America ("U.S.") dollars. Notwithstanding the foregoing, all orders are subject to Seller's continuing approval of Buyer's credit. If Buyer's credit is not approved or becomes unsatisfactory to Seller then Seller, in its sole discretion, may suspend or cancel performance, or require different payment terms, including but not limited to cash on delivery or in advance of shipment. In addition, Seller may in its discretion require an advance deposit of up to 100% of Seller's selling price for any specially manufactured goods ordered by Buyer hereunder. Payments due hereunder shall be made in the form of cash, check, or money order, or other tender approved in writing by Seller. Seller may, in its sole discretion, apply Buyer's payment against any open charges. Past due accounts bear interest at the lesser of 1.5% per month or the maximum rate permitted by applicable law, continuing after Seller obtains judgment against Buyer. Seller may exercise setoff or recoupment to apply to or satisfy Buyer's outstanding debt. Buyer shall have no right of setoff hereunder, the same being expressly waived hereby.
10. Buyer shall not export or re-export, directly or indirectly, all or any part of the goods or related technology obtained from Seller under these Terms except in accordance with applicable export laws and regulations of the U.S. Further, a Buyer that is a non-U.S. company or citizen shall similarly limit any export or re-export activity to that which would be deemed compliant with U.S. export laws and regulations if performed by a U.S. company or citizen.
11. Buyer shall pay Seller all costs and expenses of collection, suit, or other legal action brought as a result of the commercial relationship between them, including, but not limited to, all actual attorneys' and paralegals' fees, and collection costs, incurred pre-suit, through trial, on appeal, and in any administrative or bankruptcy proceedings. Any cause of action that Seller has against Buyer may be assigned without Buyer's consent to HD Supply, Inc. or to any affiliate, parent or subsidiary of HD Supply, Inc.
12. This Agreement, Buyer's account, and the business relationship between Buyer and Seller shall be governed by and construed in accordance with the laws of Georgia without regard to conflicts of laws rules, and specifically excluding the UN Convention on Contracts for the International Sale of Goods. The Parties agree that any legal action arising under or related to this Agreement shall be brought in Cobb County, Georgia, and any right to object to such venue or to assert the inconvenience of such forum is hereby waived.
13. If Buyer fails to comply with these Terms, Seller may terminate or restrict any order immediately upon notice to Buyer. Buyer certifies that it is solvent and that it will advise Seller immediately if it becomes insolvent. Buyer agrees to send Seller written notice of any changes in the form of ownership of Buyer's business within 5 days of such changes. Buyer and Seller are the only intended beneficiaries of this document, and there are no third party beneficiaries.
14. The invalidity or unenforceability of all or part of these Terms will not affect the validity or enforceability of the other terms. The parties agree to replace any void or unenforceable term with a new term that achieves substantially the same practical and economic effect and is valid and enforceable.
15. The following provisions shall survive termination, cancellation and completed performance of this Agreement as long as necessary to allow the aggrieved party to fully enforce such clauses: 5, 6, 9, 10, 11 and 12.



# Knife Gate Valve Quote



FERGUSON WATERWORKS #3082  
2275 EAST GINTER ROAD  
TUCSON, AZ 85706

Deliver To: darryn.gaylor@ferguson.com  
From: Darryn Gaylor  
Comments:

16:43:48 JUN 10 2014

FERGUSON WATERWORKS #3083

Price Quotation

Page # 1

Phone : 520-294-3344

Fax : 520-294-4770

**Bid No.....:** B208982

**Bid Date.....:** 06/04/14

**Quoted By.:** DLG

**Cust**

**Terms.....:** CASH ON DEMAND

**Customer:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Ship To:** B&F CONTRACTING BID ACCT  
BID ACCT ONLY  
PHOENIX, AZ 85029

**Cust PO#....:** C900/DIP SWR/HDPE

**Job Name:** NRI REHABILITATION

Item	Description	Quantity	Net Price	UM	Total
	-----				
	QUOTE GOOD UNTIL 7/11/14				
	-----				
	*C900 PIPE FOR SEWER				
DR25BP18	18 C905 DR25 CL165 PVC GJ BLUE PIPE	100	28.011	FT	2801.10
DR25BP24	24 C905 DR25 CL165 PVC GJ BLUE PIPE	100	48.558	FT	4855.80
DR25BP30	30 C905 DR25 CL165 PVC GJ BLUE PIPE	100	80.435	FT	8043.50
DR25BP36	36 C905 DR25 CL165 PVC GJ BLUE PIPE	100	115.359	FT	11535.90
	NO QUOTE ON 21", 27", OR				
	33" C905 - NOT MADE.				
	SUBTOTAL				27236.30
	-----				
	*SDR26 PVC SEWER PIPE				
SDR26HWSP1814	18X14 F679 PS115 HW PVC GJ SWR	98	24.750	FT	2425.50
SDR26HWSP2414	24X14 F679 PS115 HW PVC GJ SWR PIPE	98	45.217	FT	4431.27
SDR26HWSP3014	30X14 F679 PS115 HW PVC GJ SWR PIPE	98	78.728	FT	7715.34
SDR26HWSP3614	36X14 F679 PS115 HW PVC GJ SWR PIPE	98	112.446	FT	11019.71
	SUBTOTAL				25591.82
	-----				
	*DIP SEWER PIPE				
SP-CPDIC350SJP18SP	18 DI CL350 SLIP JT PIPE SP2000	108	100.314	FT	10833.91
SP-CPDIC350SJP20SP	20 DI CL350 SLIP JT PIPE SP2000	108	116.692	FT	12602.74
SP-CPDIC350SJP24SP	24 DI CL350 SLIP JT PIPE SP2000	108	152.984	FT	16522.27
SP-CPDIC350SJP30SP	30 DI CL350 SLIP JT PIPE SP2000	108	228.800	FT	24710.40
SP-CPDIC350SJP36SP	36 DI CL350 SLIP JT PIPE SP2000	108	282.714	FT	30533.11
	PRICE DOES NOT INCLUDE				
	FREIGHT FROM AL				



FERGUSON WATERWORKS #3083

Price Quotation

Page # 3

Phone : 520-294-3344

Fax : 520-294-4770

16:43:48 JUN 10 2014

Reference No: B208982

Item	Description	Quantity	Net Price	UM	Total
PEI17HB418F3	18 IPS SDR17 PC80 HDPE 45 FAB 3PC	6	160.875	EA	965.25
PEI11HBY18F	18 IPS SDR11 PC100 HDPE WYE FAB	5	979.204	EA	4896.02
	SUBTOTAL				232334.40
-----					
*****					
HDPE PRICING VALID FOR					
7 DAYS, SUBJECT TO CURRENT					
PRICING THEREAFTER.					
*****					
*A.R.I. AIR RELIEF VALVE					
SP-AD040MWW	3 CAST IRON COMB ARV F/WASTEWATER	1	928.030	EA	928.03
	SUBTOTAL				928.03
-----					
*KNIFE GATE VALVES					
SP-RG0080316R10	8 CI SERIES G KNIFE GATE VALVE	1	1671.760	EA	1671.76
SP-RG0120316R10	12 CI SERIES G KNIFE GATE VALVE	1	3750.590	EA	3750.59
SP-RG0180316R10	18 CI SERIES G KNIFE GATE VALVE	1	7485.880	EA	7485.88
	OPTIONAL GATE VLV.				
FNW61BX	8 DI SS 316 MM LUG UNI OS&Y KGV	1	1148.090	EA	1148.09
FNW61B12	12 DI SS 316 MM LUG UNI OS&Y KGV	1	1990.240	EA	1990.24
FNW61B18	18 DI SS 316 MM LUG UNI OS&Y KGV	1	5534.630	EA	5534.63
FNWR1FFGAX	8 RR 1/8 FF 150# GSKT				
FNWR1FFGA12	12 RR 1/8 FF 150# GSKT				
FNWR1FFGA18	18 RR 1/8 FF 150# GSKT				
SP-ITP8SSNBHDKGV	8 316 SS N&B KIT F/HDPE X KNIFE GV				
SP-ITP12SSNBHDKGV	12 316 SS N&B KIT F/HDPE X KNIFE GV				
SP-ITP18SSNBHDKGV	18 316 SS N&B KIT F/HDPE X KNIFE GV				
	SUBTOTAL				24097.52
-----					
*SS REPAIR BANDS					
P3121AS8B12	8X12 SS 1B REP CLMP 8.54-8.94	1	176.280	EA	176.28
P3121AS8B16	8X16 SS 1B REP CLMP 8.54-8.94	1	201.435	EA	201.44
P3121AS8B24	8X24 SS 1B REP CLMP 8.54-8.94	1	355.290	EA	355.29
P3121AS8B30	8X30 SS 1B REP CLMP 8.54-8.94	1	468.390	EA	468.39
-----					
P3121AS12B12	12X12 SS 1B REP CLMP 12.62-13.02	1	266.110	EA	266.11
P3121AS12B16	12X16 SS 1B REP CLMP 12.62-13.02	1	300.950	EA	300.95
P3121AS12B24	12X24 SS 1B REP CLMP 12.62-13.02	1	496.340	EA	496.34
P3121AS12B30	12X30 SS 1B REP CLMP 12.62-13.02	1	708.435	EA	708.44
-----					
P3122AS18A16	18X16 SS 2B REP CLMP 17.82-18.57	1	686.205	EA	686.21
SP-P3122AS18A24	18X24 SS 2B REP CLMP 17.82-18.57	1	1082.580	EA	1082.58

## NRI Quantities for Knife Gate Valves:

8" Knife Gate = 14 each x \$1148.09 = \$16,073.26

12" Knife Gate = 12 each x \$1990.24 = \$23,882.88

18" Knife Gate = 10 each x \$5534.63 = \$55,346.30

Total for Knife Gate Valves = \$95,302.44



***NRI REHAB***  
***SEWER***  
***NW TUCSON***

**PVC Pipe Pricing**

Due to ongoing global disruptions in the PVC resin marketplace, prices will be subject to the Manufacturers price in effect at the time of shipment.

**Quote:** RM060314B

**Bid Date:** ASAP!!

**Bid Proposal Prepared For:**

DAN FOLEY  
B & F CONTRACTING, INC  
11011 N. 23RD AVENUE  
PHOENIX AZ 85029-4807

**Bid Prepared By:**

Bid Lead: RICK MARTINEZ  
Take-Off: CUSTOMER LIST

**Lake Havasu City**

P: 928.854.5050

F: 928.854.5075

**Prescott**

P: 928.445.1433

F: 928.445.9244

**Show Low**

P: 928.537.4076

F: 928.537.4147

**Phoenix**

P: 602.255.0234

F: 602.254.5503

**Tucson**

P: 520.624.7180

F: 520.624.7280

# Proposal Details

This proposal has been prepared with the following assumptions:

## Specifications

PIMA COUNTY specifications will prevail in this proposal.

## Vendors

Material for this project will be provided by the following vendors:

Material	Vendor	Lead Times
Ductile Pipe	Pac States	6-8 Weeks
Clamps&Couplings	Romac	2-3 Weeks
PVC Pipe	Diamond Plastics	Stock-6 Weeks
Knife Gate Valve	Red Valve	Stock-18 Weeks
Copper	Cambridge-Lee	Stock

## Terms & Conditions

In addition to the Dana Kepner Standard Terms & Conditions of Sale, the following apply to this proposal:

Due to the extreme volatility of raw material, energy, and transportation costs, the prices shown in this quotation are only valid for 30 days, with the exception of PVC Pipe prices. PVC prices will be subject to the Manufacturers price in effect at the time of shipment. Order releases and shipments delivered 60 days beyond the order date, or as stipulated, will be subject to the price in effect at the time of shipment.

Prices are valid for 30 days after the bid date.

Totals are for estimating purposes only. Unit prices prevail.

The materials specifications, sizes, and quantities listed are the interpretations of Dana Kepner Company, Inc. and are believed to be correct, but are not guaranteed.

Dana Kepner Company, Inc. is not responsible for manufacturers ability to ship material or hold prices.

**Terms are net 30, and Quote is based on award of complete project.**

Due to volatility in the copper commodity market, copper tubing pricing will be determined at time of shipment.

Connecting hardware for Non-DK supplied material is not included in bid, unless otherwise noted.

Quoted totals do not include taxes.

Clay Pipe and Fittings are Non-Returnable.

**PVC Sewer Pipe may come in 13', 14', 20', & 22' lengths, based on availability. Regardless of product description in this proposal.**

**Thank you for the opportunity to bid this project.**

## Bid Detail

**SEWER****PVC**

Qty	UM	Product Description	Unit Price	Total Price
300.0	FT	18"X20' DR 25 CL 165 C-905	\$26.76	\$8,028.00
308.0	FT	21"X14' PVC SEWER PIPE F679	\$24.65	\$7,592.20
300.0	FT	24"X20' CLASS 165 PIPE, C905 PVC DR 25	\$47.62	\$14,286.00
308.0	FT	27"X14' PVC SEWER PIPE F679	\$42.76	\$13,170.08
300.0	FT	30"X20' DR 25 CL 165 C-905	\$76.43	\$22,929.00
300.0	FT	36"X20' DR 25 CL 165 C-905	\$110.97	\$33,291.00

**NOTE:33"PIPE NOT AVAILABLE!! QUOTING  
21" & 27" AS F679 HEAVY WALL!!**

**Total:** \$99,296.28  
**Average Cost per Ft.:** \$54.68

**DIP**

Qty	UM	Product Description	Unit Price	Total Price
108.0	FT	18"X18"0" CL350 SP2000 TYTON JT	\$100.31	\$10,833.48
108.0	FT	20"X18"0" CL350 SP2000 TYTON JT	\$116.69	\$12,602.52
108.0	FT	24"X18"0" CL350 SP2000 TYTON JT	\$152.98	\$16,521.84
108.0	FT	30"X18"0" CL350 SP2000 TYTON JT	\$228.80	\$24,710.40
108.0	FT	36"X18"0" CL350 SP2000 TYTON JT	\$282.71	\$30,532.68
2.0	EA	FREIGHT CHARGED	\$4,500.00	\$9,000.00

**NOTE:33"DIP IS NOT AVAILABLE! EACH  
TRUCK LOAD IS \$4500 FREIGHT CHARGE!!**

340.0	FT	37"X340' BLACK POLY TUBE (14"-18") 8 MIL 20' PERF'S	\$0.65	\$221.00
340.0	FT	54X154' BLACK POLYTUBE (20-24") 8 MIL PERF EVERY 22 FEET	\$1.00	\$340.00
340.0	FT	67"X154' BLACK POLYTUBE (30") 8 MIL PERF EVERY	\$1.30	\$442.00
340.0	FT	81"X154' BLACK POLYTUBE 8 MIL PERF EVERY 22 FEET	\$1.75	\$595.00
50.0	EA	2" X 100'ROLL PIPE WRAPPING TAPE	\$4.51	\$225.50
<b>Total:</b>				\$106,024.42
<b>Average Cost per Ft.:</b>				\$163.62

**KNIFE GATE**

Qty	UM	Product Description	Unit Price	Total Price
12.0	EA	8"RED VALVE SERIES G KNIFE GATE VALVE	\$1,578.89	\$18,946.68
12.0	EA	12"RED VALVE SERIES G KNIFE GATE VALVE	\$3,542.22	\$42,506.64
12.0	EA	18"RED VALVE SERIES G KNIFE GATE VALVE	\$7,070.00	\$84,840.00
1.0	EA	FREIGHT CHARGED	\$1,350.00	\$1,350.00

**NOTE:EACH CR NRI Quantities for Knife Gate Valves**

8" Knife Gate = 14 each x \$1578.89 = \$22,104.46  
12" Knife Gate = 12 each x \$3,542.22 = \$42,506.64  
18" Knife Gate = 10 each x \$7,070.00 = \$70,700.00  
Total Cost = \$103,844.44 + \$1350 freight = \$135311.10

**ARI VALVE**

Qty	UM	Product Description	Unit Price	Total Price
1.0	EA	3"THREADED CARV ARI D025TP03	\$1,020.84	\$1,020.84
<b>Total:</b>				\$1,020.84
<b>Average Cost per PCS:</b>				\$1,020.84

**HDPE**

Qty	UM	Product Description	Unit Price	Total Price
-----	----	---------------------	------------	-------------



# Capital Pump & Equipment

3165 S. Alma School Rd #29-149  
Chandler, AZ 85248  
Phone: 480-626-5257

## Quotation

Date	Quote No.
5/19/2014	CPI4108

<b>Customer</b>
B & F Contracting, Inc. 11011 N. 23rd Avenue Phoenix, AZ 85029

P.O. No.	Terms	Project
Quote	Net 30	

Item	Description	Qty	Unit Price	Amount
FCP500-PH50	500 Gallon FuelCube Tank 12V/20GPM, 1" Transfer Pump kit w/Auto Nozzle 1"X50' Delivery Hose	1	5,570.00	5,570.00
Freight	Freight		1,597.00	1,597.00
Prices are Quoted Delivered to B&F Contracting before any sales tax if applicable.				
By accepting an Estimate and/or invoice you acknowledge you have read and understand the Capital Pump and Equipment terms and conditions for sale contract.				

Any Questions Please Contact Tom Henderson  
Thenderson@cpepumps.com  
480-290-1585

**Total**

**\$7,167.00**

FMP Materials - Pneumatic Plug Sets  
See Exhibit A.8

**300 Kirby  
Seabrook, TX 77586  
Ph: 713-894-6457  
Fx: 281-532-0680**

☐ RENTAL  
☐ EXCHANGE  
☐ RETURN  
☐ PURCHASE  
☐ REPAIR  
☒ QUOTE

# DELIVERY MEMORANDUM

SOLD TO B & F Contracting SHIP TO

JOB TELEPHONE #

JOB TELEPHONE #  
ATTN:

[illegible]

*Thank You*

Freight = 3 shipments @ \$500.00 for a total of \$29,305.00

\* SERVICE CHARGE 1.5 % ADDED PER MONTH FOR AMOUNTS PAST 30 DAYS

**Customer Signature** \_\_\_\_\_



## Sale Quote

Quote Date: 6/17/2014  
Quoted By: Wayne R. Reed  
Mobile #: 520-429-7974  
Email: [wayne@tsraz.com](mailto:wayne@tsraz.com)

4360 E. Tennessee Street Tucson AZ 85714  
Phone: 520-352-3311 Fax: 520-352-3312

Quoted to: B&F Contracting

Attn: Kyle

Phone:

Fax:

Revised 6/19/14

Qty	Equipment Description	Price Each	Tax Ext. Total	Total for All Units
5	050-610 6"-10" Domehead Plug Back Plug	\$ 290.00	\$ 88.45	\$ 1,538.45
5	050-812 8"-12" Domehead Plug Back Plug	\$ 400.00	\$ 122.00	\$ 2,122.00
5	094-812 8" -12" Flow Thru w/4" Bypass	\$ 555.00	\$ 169.28	\$ 2,944.28
2	050-1016 10"-16" Domehead Back Plug	\$ 645.00	\$ 78.69	\$ 1,368.69
2	051-1016 10"-16" Domehead Front Plug	\$ 765.00	\$ 93.33	\$ 1,623.33
2	098-1218 12"-18" Flow Thur w/8" Bypass	\$ 1,250.00	\$ 152.50	\$ 2,652.50
2	050-1224 12"-24" Domehead Back Plug	\$ 850.00	\$ 103.70	\$ 1,803.70
2	051-1224 12"-24" Domehead Front Plug	\$ 1,100.00	\$ 134.20	\$ 2,334.20
2	098-1224 12"-24" Flow Thru Plug 8" Bypass	\$ 1,500.00	\$ 183.00	\$ 3,183.00
1	250-1530 15"-30" Interchange Plug 12" bypass	\$ 2,418.00	\$ 147.50	\$ 2,565.50
3	050-2036 20"-36" Domhead Back Plug	\$ 2,150.00	\$ 393.45	\$ 6,843.45
3	051-2036 20"-36" Domehead Front Plug	\$ 2,300.00	\$ 420.90	\$ 7,320.90
1	323-20 20' Liftline	\$ 200.00	\$ 12.20	\$ 212.20
1	323-30 30' Liftline	\$ 235.00	\$ 14.34	\$ 249.34
1	323-40 40' Liftline	\$ 267.00	\$ 16.29	\$ 283.29

Freight to be determined at time of order...

**TOTAL** \$ 37,044.82  
10% Discount \$5,556.72  
**\$ 31,488.10**

Freight = 3 shipments @ \$500.00 for  
a total of \$32,988.10

Wayne R. Reed 6/19/2014  
Quoted By Signature Date

Customer Signature Date

Quote is good for 30 Days. Thank you for the opportunity to serve you.





# Capital Pump & Equipment

705 W Queen Creek Rd  
Unit 2084  
Chandler, AZ 85248  
Phone: 480-626-5257

## Quotation

Date	Quote No.
2/12/2014	CP1445

Customer
B & F Contracting, Inc. 11011 N. 23rd Avenue Phoenix, AZ 85029

P.O. No.	Terms	Project
Quote	Net 30	

Item	Description	Qty	Unit Price	Amount
PT6612	Bermpac - 6' W x 6' L x 12" H 40 Mil PE	0	210.00	\$0.00
PTB-12A	Bermpac - 12" Aluminum L Bracket		0.00	
PT6812	Bermpac - 6' W x 8' L x 12" H 40 Mil PE	20	228.00	\$4,560.00
PTB-12A	Bermpac - 12" Aluminum L Bracket		0.00	
PT121212	Bermpac - 12' W x 12' L x 12" H 40 Mil PE	15	364.00	\$5,460.00
PTB-12A	Bermpac - 12" Aluminum L Bracket		0.00	
PT122512-	Bermpac - 12' W x 25' L x 12" H 40 Mil PE	7	578.00	\$4,046.00
PTB-12A	Bermpac - 12" Aluminum L Bracket		0.00	
PT125012	Bermpac - 12' W x 50' L x 12" H 40 Mil PE	0	1,000.00	\$0.00
PTB-12A	Bermpac - 12" Aluminum L Bracket		0.00	
All Prices are FOB Mesa, AZ				
By accepting an Estimate and/or invoice you acknowledge you have read and understand the Capital Pump and Equipment terms and conditions for sale contract.				

Any Questions Please Contact Tom Henderson  
Thenderson@cpepumps.com  
480-290-1585

**Total**

Total Cost of =  
\$14,066.00 for Spill  
Berms

**Dan Foley**

---

**From:** Adam Ament <plugmaster71@yahoo.com>  
**Sent:** Wednesday, June 18, 2014 6:49 AM  
**To:** Dan Foley  
**Subject:** Re: Plug Quotes to B&F

Dan,

The 20' Duralift lines 323-20 are 163.00 ea. and the 30' Duralift lines 323-30 are 191.00 ea.

We make lines ourselves cheaper.

We make 30' 3/8" single wire hydraulic with galvanized fittings, ball valve, gauge and swiveled end for 125.00 ea.

The 20' lines are the same hardware set up but we use 1/4" hydraulic line on the 20 footers and they are 90.00 ea.

The difference is that we don't have the rope set up on ours. They copied my idea on the lines a few years back.

**AXIOM PLUG RENTALS**

**ADAM AMENT**

**PH:713.894.6457**

**FX:281.334.7264**

NRI Quantities for Plug Hoses

12 each x 30' Hose @ 125.00 each = \$1500.00

6 each x 20' Hose @ 90.00 each = \$540.00

Total of \$2,040.00 for pneumatic plug hoses.

On Tuesday, June 17, 2014 10:46 PM, Dan Foley <dfoley@bfcontracting.com> wrote:

Adam,

Can you include the pricing for the Dura-lift pneumatic hoses that are made of the hydraulic lines with the guage? 20 and 30' lengths are what I'm looking for.

Thanks,  
Dan

---

**From:** Kyle Gunter [mailto:Kgunter@bfcontracting.com]

**Sent:** Tuesday, June 17, 2014 10:54 AM

**To:** Dan Foley

**Subject:** FW: Quote

**From:** Adam Ament [<mailto:plugmaster71@yahoo.com>]

**Sent:** Monday, June 16, 2014 12:11 PM

**To:** [kgunter@bfcontracting.com](mailto:kgunter@bfcontracting.com)

**Subject:** Quote

I sent this the day after we spoke. I got a return on it but I had sent it to Tom too.

**AXIOM PLUG RENTALS**

**ADAM AMENT**

**PH:713.894.6457**

**FX:281.334.7264**



4360 E. Tennessee Street Tucson AZ 85714  
Phone: 520-352-3311 Fax: 520-352-3312

## Sale Quote

Quote Date: 6/17/2014  
Quoted By: Wayne R. Reed  
Mobile #: 520-429-7974  
Email: [wayne@tsraz.com](mailto:wayne@tsraz.com)

Quoted to: B&F Contracting

Attn: Kyle

Phone:

Fax:

Revised 6/19/14

Qty	Equipment Description		Price Each	Tax Ext. Total	Total for All Units
1	323-20 20' Lifeline		\$ 200.00	\$ 12.20	\$ 212.20
1	323-30 30' Lifeline		\$ 235.00	\$ 14.34	\$ 249.34
1	323-40 40' Lifeline		\$ 267.00	\$ 16.29	\$ 283.29

Freight to be determined at time of order...

**TOTAL** \$ 744.82

Wayne R. Reed 6/19/2014  
Quoted By Signature Date

Customer Signature Date

Quote is good for 30 Days. Thank you for the opportunity to serve you.

40' Plug Hose Lengths:  
NRI Quantities for Plug Hoses  
2 each 40' hose @ \$283.29 = \$566.58

30' Plug Hose Lengths:  
NRI Quantities for Plug Hoses  
12 each 30' hose @ \$249.34 = \$2,992.08

20' Plug Hose Lengths:  
NRI Quantities for Plug Hoses  
6 each 30' hose @ \$212.20 = \$1273.20

Combined Pricing for 20' & 30' Hoses:  
\$2,992.08 + \$1273.20 = \$4,265.28

**Dan Foley**

---

**From:** Marcia Craig <marcia@pipepigs.com>  
**Sent:** Thursday, June 05, 2014 8:59 AM  
**To:** dfoley@bfcontracting.com  
**Subject:** Your Quote Request  
**Attachments:** B1.pdf

Hi, Dan,

Thank you for your quote request today. We are happy to offer the following for your consideration:

6 each	8" B1 Swabs	@ \$ 26.00 each	\$ 156.00
6 each	12" B1 Swabs	@ \$ 47.00 each	\$ 282.00
6 each	18" B1 Swabs	@ \$ 106.00 each	\$ 636.00

Total Net Price ExWorks our Houston (Tomball) Tx. factory:

\$1,074.00

**Delivery:**

Based on our current production schedule, we could have them ready to ship within 7 to 10 work days

**Payment terms:**

2%-15 days; Net 30 (with approved credit) or credit card is acceptable at time of the order.

**Packing details:**

2 cartons: 25" x 19" x 25"

1 bundle: 37" x 54" x 27"

Estimated Total weight: 65 lbs.

Validity: 60 days

We have attached our B1 swab spec sheet for your reference.

**Best Regards,**

**Marcia Craig**

**ARIZONA BAG COMPANY, LLC**  
2530 W. BUCKEYE ROAD  
PHOENIX, AZ 85009

# Quote

Customer No.: BFCO0001  
Quote No.: 17401

Quote To: **B & F CONTRACTING, INC.**  
11011 N 23RD AVE  
PHOENIX, AZ 85029

Ship To: **B & F CONTRACTING, INC.**  
11011 N 23RD AVE  
PHOENIX, AZ 85029

Date	Ship Via		F.O.B.		Terms	
06/16/14	FOB PHX		Origin		Net 30	
Purchase Order Number		Sales Person			Required	
		DEBBIE			06/16/14	
Quantity			Item Number	Description	Unit Price	Amount
Required	Shipped	B.O.				
40			415004100	4' X 100' ORANGE SAFETY FENCE	23.8800	955.20

Quote subtotal 955.20  
Sales tax @ 8.300% 79.28  
Quote total 1034.48

Please visit our website: [www.arizonabag.com](http://www.arizonabag.com)

Totals: 50 Rolls x \$23.88 = \$1,194.00

Thank You



Cost Proposal for NRI Relief North Diversion  
Structure Construction per Exhibit A.8

1601 PASEO SAN LUIS, SUITE 202  
SIERRA VISTA, ARIZONA 85635  
(520) 458-9594  
FAX (520) 458-2362

5100 S. ALVERNON WAY  
TUCSON, ARIZONA 85706  
(520) 748-0188  
FAX (520) 748-8975

September 18, 2014

B&F Contracting, Inc.  
1904 W. Prince Rd  
Tucson, Arizona 85705

Attn: Dan Foley  
Re: NRI Relief Sewer, North Junction Structure and MH 01

Mr. Foley,

KE&G Construction is pleased to provide this proposal for the excavation, shoring/bracing, and installation of the North Junction Structure and MH 01 including a 10' stub of 30" CCFRPM as part of the North Rillito Relief Sewer project for Pima County Regional Wastewater Reclamation Department. Our proposal is "Turn Key" with the following clarifications: Sewer Bypass is to be completed by others. KE&G will need the sanitary sewer flow to be bypassed for the period of 3 weeks following mobilization. Once the invert of the North Junction Structure is placed, KE&G will install flow through plugs and a solid piece of PVC in the invert, allowing B&F Contracting, Inc. to cease bypass operations. The plugs will remain in place until an authorization to discharge is received from ADEQ. KE&G will then remove the plugs during low flow with no additional bypass required. In addition to the bypass, also excluded from this proposal are Pima County and ADEQ permit fees, bonds, and taxes.

Our pricing is based upon a mutually agreeable subcontract, the North Rillito Interceptor Relief Sewer Project Plans, Special Provisions Dated June 2014, and RFI's numbered 1-3. All survey, special rebar inspection, concrete testing, and backfill density testing are included in our proposal. KE&G has revised the quotation to account for the new preliminary RWRD coating specifications in lieu of the North Rillito Relief Sewer specifications. At this time the manhole coating to be utilized on the concrete surfaces is Sewer Shield by JPCI. KE&G proposes to complete the work for the lump sum of: \$406,200.00.

If additional bonding is required for the work, we propose that an additional allowance of \$10,000.00 be allowed to cover any required bonds for the coating value of \$73,366.95.

Should you have any questions regarding this proposal, feel free to contact me via e-mail at [bjanski@kegtus.com](mailto:bjanski@kegtus.com) or by phone at 520-940-8423.

Regards,  
KE&G Construction, Inc.

Brian Janski  
Project Manager/Estimator

Base Bid \$406,200.00
Coating Bond: \$10,000.00
Total Cost: \$416,200.00

## **EXHIBIT A.11**

### **LABOR, EQUIPMENT, MATERIAL COSTS**

**Construction Manager at Risk for Pima County Regional  
Wastewater Reclamation Department - North Rillito Interceptor  
Rehabilitation Project**

See the following items behind this sheet:



**PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14**  
**TRAFFIC CONTROL ESTIMATE FOR PHASES 1, 2 & 5 - BID ITEM 0.1 on EXHIBIT A.3**  
**LABOR/MATERIAL/EQUIPMENT BREAKDOWN**



**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT**  
**CONSTRUCTION MANAGER AT RISK SERVICES**

B&F CONTRACTING, INC.  
 1904 W. Prince Rd.  
 Tucson, AZ 85705  
 Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item

1

**PHASE 1 TRAFFIC CONTROL ESTIMATE - BORDER TRAFFIC SAFETY (SBE Certified)**

	<u>UNIT</u>	<u>QTY</u>	<u>UNIT Price</u>	<u>COST</u>
<b><u>TRAFFIC CONTROL REQUIREMENTS - PHASE 1</u></b>				
Traffic Control Device Rental	Day	120	\$ 175.00	\$ 21,000.00
1 Man 1 Truck	HR	200	\$ 50.00	\$ 10,000.00
Shadow Truck	HR	80	\$ 50.00	\$ 4,000.00
2 Men 2 Trucks	HR	40	\$ 100.00	\$ 4,000.00
Flagmen - 2 Men 1 Truck	HR	200	\$ 90.00	\$ 18,000.00
			Subtotal	\$ 57,000.00
<b><u>TRAFFIC CONTROL REQUIREMENTS - PHASE 2</u></b>				
Traffic Control Device Rental	Day	120	\$ 70.00	\$ 8,400.00
1 Man 1 Truck	HR	80	\$ 50.00	\$ 4,000.00
Shadow Truck	HR	60	\$ 50.00	\$ 3,000.00
2 Men 2 Trucks	HR	40	\$ 100.00	\$ 4,000.00
Flagmen - 2 Men 1 Truck	HR	80	\$ 90.00	\$ 7,200.00
			Subtotal	\$ 26,600.00
<b><u>TRAFFIC CONTROL REQUIREMENTS - PHASE 5</u></b>				
Traffic Control Device Rental	Day	120	\$ 105.00	\$ 12,600.00
1 Man 1 Truck	HR	180	\$ 50.00	\$ 9,000.00
Shadow Truck	HR	60	\$ 50.00	\$ 3,000.00
2 Men 2 Trucks	HR	40	\$ 100.00	\$ 4,000.00
Flagmen - 2 Men 1 Truck	HR	120	\$ 90.00	\$ 10,800.00
			Subtotal	\$ 39,400.00
LINE ITEM #	1		TOTAL COST	\$ 123,000.00
			EA	1.00
			UNIT COST	\$ 123,000.00

	Unit	Qty	Rate	Total
Dust Control Measures - Phase 1, 2 & 5	Day	120	\$ 252.16	\$ 30,259.20
LINE ITEM #	1		TOTAL COST	<u>\$30,259.20</u>

**PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14**  
**SWPPP BMP's - Straw Waddles & Gravel Bags - BID ITEM 0.8 and 3.2 on EXHIBIT A.3**



**LABOR/MATERIAL/EQUIPMENT BREAKDOWN**  
**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT**  
**CONSTRUCTION MANAGER AT RISK SERVICES**

B&F CONTRACTING, INC.  
 1904 W. Prince Rd.  
 Tucson, AZ 85705  
 Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item	Description								
<b>1</b>	<b>Install and Maintain SWPPP Best Management Practices (BMP's) - Straw Waddles &amp; Gravel Bags (Phase 1 &amp; 2)</b>								
<b>LABOR</b>	<b>QTY</b>	<b>Hours</b>	<b>Unit</b>	<b>Price</b>	<b>TOTAL</b>	<b>Rate</b>	<b>Labor Burden</b>	<b>Total</b>	
							<b>0.32</b>		
Foremen	1	8	HR	\$ 42.24	\$ 337.92	\$ 32.00	\$ 10.24	\$ 42.24	
Laborer	2	8	HR	\$ 29.04	\$ 464.64	\$ 22.00	\$ 7.04	\$ 29.04	
<b>EQUIPMENT</b>	<b>QTY</b>	<b>Hours</b>	<b>Unit</b>	<b>Price</b>	<b>TOTAL</b>				
Crew Trucks	1	8	DAY	\$ 28.89	\$ 231.12				
Hand Tools	1	8	HR	\$ 8.50	\$ 68.00				
CAT 420E Backhoe	1	4	HR	\$ 41.01	\$ 164.04				
<b>Crew, &amp; Equipment Daily Rate:</b>					<b>\$ 1,101.68</b>				

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Install and Maintain SWPPP Best Management Practices (BMP's) - Straw Waddles & Gravel Bags (Phase 1 & 2)	Day	10	\$ 1,101.68	\$ 11,016.80

**VENDORS/MATERIALS/SUBS**

9" x 25' Erosion Control Straw Waddle	rolls	120	\$ 55.00	\$ 6,600.00
Wood Stakes	bundle	6	\$ 14.46	\$ 86.76
Curb Inlet Guards	ea	15	\$ 45.00	\$ 675.00
Gravel Bags	ea	300	\$ 2.95	\$ 885.00
Gravel for Trackout Pad	Ton	30	\$ 15.00	\$ 450.00
S-Fence Silt Fencing	LF	1000	\$ 1.65	\$ 1,650.00
Gravel Delivery	ea	4	\$ 130.00	\$ 520.00
Bi-Weekly Inspection for SWPPP BMP's	month	24	\$ 425.00	\$ 10,200.00

<b>LINE ITEM # 1</b>	<b>TOTAL COST</b>	<b>\$ 32,083.56</b>
	<b>EA</b>	<b>1.00</b>
	<b>UNIT COST</b>	<b>\$ 32,083.56</b>

9" Straw Waddles = 3000 LF Total divided by 25' per roll = 120 rolls

9" x 25' Waddles for Phase 1 & 2 Staging Yard on Tanque Verde - Footprint = 2000'

9" x 25' Waddles for Phase 1 & 2 MH Excavations = 10 Excavations at 25' x 25' = 100 LF per each x 10 = 1,000 LF

Item	Description								
<b>2</b>	<b>Install and Maintain SWPPP Best Management Practices (BMP's) - Straw Waddles &amp; Gravel Bags (NRI Relief North Diversion Structure)</b>								
<b>LABOR</b>	<b>QTY</b>	<b>Hours</b>	<b>Unit</b>	<b>Price</b>	<b>TOTAL</b>	<b>Rate</b>	<b>Labor Burden</b>	<b>Total</b>	
							<b>0.32</b>		
Foremen	1	8	HR	\$ 42.24	\$ 337.92	\$ 32.00	\$ 10.24	\$ 42.24	
Laborer	2	8	HR	\$ 29.04	\$ 464.64	\$ 22.00	\$ 7.04	\$ 29.04	
<b>EQUIPMENT</b>	<b>QTY</b>	<b>Hours</b>	<b>Unit</b>	<b>Price</b>	<b>TOTAL</b>				
Crew Trucks	1	8	DAY	\$ 28.89	\$ 231.12				
Hand Tools	1	8	HR	\$ 8.50	\$ 68.00				
CAT 420E Backhoe	1	4	HR	\$ 41.01	\$ 164.04				
<b>Crew, &amp; Equipment Daily Rate:</b>					<b>\$ 1,101.68</b>				

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Install and Maintain SWPPP Best Management Practices	Day	4	\$ 1,101.68	\$ 4,406.72

**VENDORS/MATERIALS/SUBS**

12" x 20' Erosion Control Straw Waddle	rolls	50	\$ 125.00	\$ 6,250.00
Wood Stakes	bundle	5	\$ 14.46	\$ 72.30
Curb Inlet Guards	ea	5	\$ 45.00	\$ 225.00
Gravel Bags	ea	300	\$ 2.95	\$ 885.00
Gravel for Trackout Pad	Ton	21.41	\$ 15.00	\$ 321.15
Gravel Delivery	ea	4	\$ 150.00	\$ 600.00
S-Fence Silt Fencing	LF	1000	\$ 1.65	\$ 1,650.00
Bi-Weekly Inspection of SWPPP BMP's	month	8	\$ 425.00	\$ 3,400.00

<b>LINE ITEM # 2</b>	<b>TOTAL COST</b>	<b>\$ 17,810.17</b>
	<b>EA</b>	<b>1.00</b>
	<b>UNIT COST</b>	<b>\$ 17,810.17</b>

12" Straw Waddles = 1000 LF Total divided by 20' per roll = 50 rolls

12" x 20" Waddles for NRI Relief North Diversion Structure Excavation Footprint / Yard = 1000 LF

Quote Backup for SWPPP BMP's - Wattles,  
Sand Bags, Stakes and Gravel Bags



**BORDER**  
CONSTRUCTION SPECIALTIES

3143 N. Fwy. Industrial Loop  
Tucson, AZ 85705  
P: 520-623-4100  
F: 520-623-9513

**QUOTATION**

Quotation: **SQ\_0127214-**

Ship to: Cash Sales - Contractor - Tax All

Cash Sales - Contractor - Tax All

Page 1 of 1  
Number SQ\_0127214-1  
Date 9/23/2014  
Quotation deadline 10/23/2014  
Requisition  
Payment COD

Order taker : Ana Coronado  
Sales person : Tucson House Account  
Phone  
Your ref.

Item number	Description	Quantity	Unit	Unit price	Ship date	Amount
BP3501	9"x25', Erosion Control Straw Wattle	40.00	rl	26.2700	9/23/2014	1,050.80
BP3510	12"x20', Erosion Control Straw Wattle	40.00	rl	36.0500	9/23/2014	1,442.00
BP1631A	55lb, Gravel Filled Poly Sand Bag (56/plt, San Diego Only)	100.00	ea	2.9500	9/23/2014	295.00
BP1655	1"x2"x18", Wood Stake (50/bndl)	4.00	bn	17.4600	9/23/2014	69.84

\*\*Roughly about 4 bundles of stakes are  
needed for each 40 rolls of wattle\*\*

Follow us on Facebook, LinkedIn and Twitter!!

Sales balance	Total discount	Misc. charges	Net amount	Sales tax	Round-off	Total
2,857.64	0.00	0.00	2,857.64	231.47	0.00	3,089.11 USD

**Dan Foley**

---

**From:** Vince Morris <vmorris@ertecsystems.com>  
**Sent:** Friday, October 17, 2014 1:30 PM  
**To:** dfoley@bfcontracting.com  
**Subject:** FW: SWPPP Quote - Curb Inlet & S-Fence Pricing

**Importance:** High

Hi Dan –  
Thanks for your email.

GeoSupply carries Curb Inlet Guard – a pretty good level of inventory in Tucson and Phoenix.  
For a price and source for Curb Inlet Guard, you can call

Bill Lynch: cell: (480) 710-4344  
[blynch@geosupply.com](mailto:blynch@geosupply.com)

S-Fence comes in 7' panels.  
At 1000 LF, your price is \$1.53 / LF  
Shipping would be about \$0.12 per LF  
Sales tax is not added.

Price per LF = \$1.65

Call anytime if you have questions.

Thx,  
Vince

Vince Morris  
[vmorris@ertecsystems.com](mailto:vmorris@ertecsystems.com)  
[www.ertecsystems.com](http://www.ertecsystems.com)  
o: 510-521-0724  
c: 510-816-2660



---

**From:** Dan Foley [<mailto:dfoley@bfcontracting.com>]  
**Sent:** Friday, October 17, 2014 11:34 AM  
**To:** [info@ertecsystems.com](mailto:info@ertecsystems.com)  
**Subject:** FW: SWPPP Quote - Curb Inlet & S-Fence Pricing  
**Importance:** High

Hello,

I need to get some pricing squared away for the BMP's of our SWPP plan on a project B&F has. Can you quote me on the following:

S-Fence:

- Cost per roll
- Cost for 1000 LF

Curb Inlet Guard:

- Need approximately 20 each for storm drain catch basins.

Please include a cost to ship to Tucson, Arizona.

Call me if you have any questions.

Thanks,

**Dan Foley**

**B&F Contracting, Inc. | Sewer Rehabilitation Division**

1904 W. Prince Rd. | Tucson, AZ 85705 – Tucson Office

Tel: 520.207.8228 | Fax: 623.582.3761

Cell: 520.840.9785 | [dfoley@bfcontracting.com](mailto:dfoley@bfcontracting.com)

ROC-089744 A-General Engineering



**Dan Foley**

---

**From:** Bill Lynch <blynch@geosupply.com>  
**Sent:** Tuesday, October 21, 2014 11:19 AM  
**To:** Dan Foley  
**Cc:** Kyle Foley; Pam Bucy  
**Subject:** RE: SWPPP Quote - Curb Inlet & S-Fence Pricing

Dan,

It looks like Vince gave you direct pricing on the S Fence below. I doubt I can beat that!

The curb guards are \$45 a piece. If my sales person brings them to you in her car there will be no delivery charge.

**Bill Lynch**  
**General Manager**  
**GeoSupply Soil Solutions**  
[blynch@geosupply.com](mailto:blynch@geosupply.com)  
**Office: 602-305-8094**  
**Fax: 602-305-8096**  
**Cell: 480-710-4344**

---

**From:** Dan Foley [<mailto:dfoley@bfcontracting.com>]  
**Sent:** Monday, October 20, 2014 10:29 AM  
**To:** Bill Lynch  
**Cc:** 'Kyle Foley'  
**Subject:** FW: SWPPP Quote - Curb Inlet & S-Fence Pricing  
**Importance:** High

Bill –

Can you get me quotes on the S-Fence and Curb Inlet Guards, detailed below?

Thanks,

Dan Foley  
520-840-9785

**From:** Vince Morris [<mailto:vmorris@ertecsystems.com>]  
**Sent:** Friday, October 17, 2014 1:30 PM  
**To:** [dfoley@bfcontracting.com](mailto:dfoley@bfcontracting.com)  
**Subject:** FW: SWPPP Quote - Curb Inlet & S-Fence Pricing  
**Importance:** High

Hi Dan –

Thanks for your email.

GeoSupply carries Curb Inlet Guard – a pretty good level of inventory in Tucson and Phoenix.  
For a price and source for Curb Inlet Guard, you can call

Bill Lynch: cell: (480) 710-4344  
[blynch@geosupply.com](mailto:blynch@geosupply.com)

S-Fence comes in 7' panels.  
At 1000 LF, your price is \$1.53 / LF  
Shipping would be about \$0.12 per LF  
Sales tax is not added.

Call anytime if you have questions.

Thx,  
Vince

Vince Morris  
[vmorris@ertecsystems.com](mailto:vmorris@ertecsystems.com)  
[www.ertecsystems.com](http://www.ertecsystems.com)  
o: 510-521-0724  
c: 510-816-2660



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**From:** Dan Foley [<mailto:dfoley@bfcontracting.com>]  
**Sent:** Friday, October 17, 2014 11:34 AM  
**To:** [info@ertecsystems.com](mailto:info@ertecsystems.com)  
**Subject:** FW: SWPPP Quote - Curb Inlet & S-Fence Pricing  
**Importance:** High

Hello,

I need to get some pricing squared away for the BMP's of our SWPP plan on a project B&F has. Can you quote me on the following:

S-Fence:

- Cost per roll
- Cost for 1000 LF

Curb Inlet Guard:

- Need approximately 20 each for storm drain catch basins.

Please include a cost to ship to Tucson, Arizona.



Call me if you have any questions.

Thanks,

**Dan Foley**

**B&F Contracting, Inc. | Sewer Rehabilitation Division**

1904 W. Prince Rd. | Tucson, AZ 85705 – Tucson Office

Tel: 520.207.8228 | Fax: 623.582.3761

Cell: 520.840.9785 | [dfoley@bfcontracting.com](mailto:dfoley@bfcontracting.com)

ROC-089744 A-General Engineering



**North Rillito  
Inteceptor**

# PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14

## MATERIALS TESTING & QUALITY CONTROL - BID ITEM 0.7 on Exhibit A.3

### LABOR/MATERIAL/EQUIPMENT BREAKDOWN

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT

CONSTRUCTION MANAGER AT RISK SERVICES



B&F CONTRACTING, INC.  
1904 W. Prince Rd.  
Tucson, AZ 85705  
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item	Description							
1	Materials Testing & Quality Control (Phase 1, 2 & 5) - For Backfill, Compaction, Concrete & Asphalt							
<u>LABOR</u>	<u>QTY</u>	<u>Hours</u>	<u>Unit</u>	<u>Price</u>	<u>TOTAL</u>	<u>Rate</u>	<u>Labor Burden</u>	<u>Total</u>
Field Technician	1	200	HR	\$ 80.00	\$ 16,000.00	\$ 80.00		
Professional Engineer	1	30	HR	\$ 80.00	\$ 2,400.00	\$ 80.00		
Special Inspections - Rebar	1	60	HR	\$ 55.00	\$ 3,300.00	\$ 55.00		
<u>EQUIPMENT</u>	<u>QTY</u>	<u>Hours</u>	<u>Unit</u>	<u>Price</u>	<u>TOTAL</u>			
Vehicle Expense Per Trip	40	1	EA	\$ 35.00	\$ 1,400.00			
Crew, & Equipment Daily Rate:					<u>\$ 23,100.00</u>			
<u>Materials Testing</u>								
Profession Engineer Review & Report		EA	30	\$ 75.00	\$ 2,250.00			
Proctor, Standard Compaction Test		EA	40	\$ 105.00	\$ 4,200.00			
Sieve Analysis		EA	10	\$ 65.00	\$ 650.00			
Resistivity Test		EA	10	\$ 90.00	\$ 900.00			
Compressive Strength Test for Concrete Cylinder		EA	30	\$ 25.00	\$ 750.00			
Asphalt Marshall Pill Preparation & Compaction		EA	25	\$ 75.00	\$ 1,875.00			
LINE ITEM #	1	TOTAL COST			<u>\$ 33,725.00</u>			
		EA			1.00			
		UNIT COST			\$ 33,725.00			

**PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14**

**STREET SWEEPING SERVICES - BID ITEM 0.8 on EXHIBIT A.3**

**LABOR/MATERIAL/EQUIPMENT BREAKDOWN**

**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT**

**CONSTRUCTION MANAGER AT RISK SERVICES**



B&F CONTRACTING, INC.  
1904 W. Prince Rd.  
Tucson, AZ 85705  
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item	Description				
1	Street Sweeping Services for Phases 1, 2 & 5				
<b>EQUIPMENT</b>	<b>QTY</b>	<b>Hours</b>	<b>Unit</b>	<b>Price</b>	<b>TOTAL</b>
Street Sweeper	1	6	DAY	\$ 85.00	\$ 510.00
Crew, & Equipment Daily Rate:					\$ 510.00
Cost or work Breakdown for Line Item Based on above units and below durations					
	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Total</b>	
Street Sweeping Services for Phases 1, 2 & 5	Day	9	\$ 510.00	\$ 4,590.00	
<b>LINE ITEM #</b>	<b>1</b>	<b>TOTAL COST</b>		<b>\$4,590.00</b>	
		<b>EA</b>		<b>1.00</b>	
		<b>UNIT COST</b>		<b>\$ 4,590.00</b>	

**PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14**  
**SETUP/REMOVE NRI REHAB/RELIEF YARD - BID ITEM 3.5 on EXHIBIT A.3**  
**EXHIBIT 1.C LABOR/MATERIAL/EQUIPMENT BREAKDOWN**



**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT**  
**CONSTRUCTION MANAGER AT RISK SERVICES**

B&F CONTRACTING, INC.  
 1904 W. Prince Rd.  
 Tucson, AZ 85705  
 Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 10/27/2014

Item Description  
 1 Setup NRI Rehab / Relief Yard in Phase 5 - Includes Fencing, Gravel Pad, Clearing, Grading, etc. for Phase 5

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Total
							0.32	
Foremen	1	8	HR	\$ 42.24	\$ 337.92	\$ 32.00	\$ 10.24	\$ 42.24
Operator	1	8	HR	\$ 33.00	\$ 264.00	\$ 25.00	\$ 8.00	\$ 33.00
Laborer	2	8	HR	\$ 29.04	\$ 464.64	\$ 22.00	\$ 7.04	\$ 29.04
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	\$ 23.00	\$ 7.36	\$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	\$ 28.89	\$ 231.12
Ingersoll Rand 10k Forklift	1	8	HR	\$ 57.16	\$ 457.28
CAT 420E Backhoe	1	8	HR	\$ 41.01	\$ 328.08
10 Wheeler & Trailer	1	8	HR	\$ 81.57	\$ 652.56

Crew, & Equipment Daily Rate: \$ 2,978.48

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Setup/Remove NRI Rehab/Relief Yard for Northern Diversion Structure	Days	5	\$ 2,978.48	\$ 14,892.40

Materials / Vendors / Suppliers

Perimeter Fencing for NRI Relief Yard	MO	4	\$ 425.00	\$ 1,700.00
---------------------------------------	----	---	-----------	-------------

LINE ITEM # 1 TOTAL COST \$16,592.40  
 EA 1.00  
 UNIT COST \$ 16,592.40

Item Description  
 2 Mobilization & Demobilization

EQUIPMENT	QTY	Unit	Price	TOTAL
Backhoe	2	EA	\$ 250.00	\$ 500.00
Ingersoll Rand Reach Forklift	1	EA	\$ 250.00	\$ 250.00
Misc. Trips for Materials/Parts/Equipment	5	EA	\$ 250.00	\$ 1,250.00

Mobilization Cost \$ 2,000.00  
 2 Trips for Mob/Demob \$ 4,000.00

LINE ITEM # 2 TOTAL COST \$ 4,000.00

LUMP SUM TOTAL FOR MOBILIZATION / DEMOBILIZATION \$ 20,592.40

## **EXHIBIT A.12**

### **FMP Phase 1, 2 and 5 Cost Breakdown**

**Construction Manager at Risk for Pima County Regional  
Wastewater Reclamation Department - North Rillito Interceptor  
Rehabilitation Project**

See the following items behind this sheet:

# EXHIBIT A.12.a

## FLOW MANAGEMENT PLAN - SUMMARY OF COSTS

Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department -  
North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	Date:	10/27/2014
Project Title	North Rillito Interceptor Rehab Project		
Project Location	Woodland Rd. to Sabino Creek	B&F Job #:	3150

\*\*\*\*\*

Item	Description	Quantity	Unit	Extension	
<b><u>Flow Management Phase 1 - Setup, Operation &amp; Teardown - Bid Item 1.1</u></b>					
1	Phase 1 - Setup, Testing, Operation & Teardown	1	LS	\$328,248.90	\$ 328,248.90
2	Phase 1 - Operate FMP System	1	LS	\$289,147.44	\$ 289,147.44
3	FMP Long Lead Materials	1	LS	\$437,899.38	\$ 437,899.38
				<b>Phase 1 Subtotal</b>	<b><u>\$1,055,295.72</u></b>
<b><u>Flow Management Phase 2 - Setup, Operation &amp; Teardown - Bid Item 1.2</u></b>					
1	Phase 2 - Setup, Testing, Operation & Teardown	1	LS	\$362,397.37	\$ 362,397.37
2	Phase 2 - Operate FMP System	1	LS	\$549,643.17	\$ 549,643.17
				<b>Phase 3 Subtotal</b>	<b><u>\$ 912,040.54</u></b>
<b><u>Flow Management Phase 5 - Setup, Operation &amp; Teardown - Bid Item 1.3</u></b>					
1	Phase 5 - Setup, Testing, Operation & Teardown	1	LS	\$386,809.34	\$ 386,809.34
2	Phase 5 - Operate FMP System	1	LS	\$512,346.36	\$ 512,346.36
				<b>Phase 5 Subtotal</b>	<b><u>\$ 899,155.69</u></b>
<b><u>FMP Phase 1 - AC Restoration, ABC, Trenching, Plates, Etc. - Bid Item 1.4</u></b>					
1	Phase 1 - Trenching, Backfill, Plates AC Restorati	1	LS	\$ 34,878.55	\$ 34,878.55
				<b>Phase 1 Subtotal</b>	<b><u>\$ 34,878.55</u></b>
<b><u>FMP Phase 2 - AC Restoration, ABC, Trenching, Plates, Etc. - Bid Item 1.5</u></b>					
1	Phase 2 - Trenching, Backfill, Plates AC Restorati	1	LS	\$ 21,693.41	\$ 21,693.41
				<b>Phase 2 Subtotal</b>	<b><u>\$ 21,693.41</u></b>
<b><u>FMP Phase 5 - AC Restoration, ABC, Trenching, Plates, Etc. - Bid Item 1.6</u></b>					
1	Phase 5 - Trenching, Backfill, Plates AC Restorati	1	LS	\$ 41,521.08	\$ 41,521.08
				<b>Phase 5 Subtotal</b>	<b><u>\$ 41,521.08</u></b>

# EXHIBIT A.12.b

## LONG LEAD FMP MATERIAL PROCUREMENT LIST

**Construction Manager at Risk for Pima County Regional Wastewater Reclamation  
Department - North Rillito Interceptor Rehabilitation Project**

<b>Project No.</b>	3NRI14	<b>Date:</b>	10/27/2014
<b>Project Title</b>	North Rillito Interceptor Rehab Project		
<b>Project Location</b>	Woodland Rd. to Sabino Creek	<b>B&amp;F Job #:</b>	3150

ITEM DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL COST
2 each 300 Gallon Tote - 12.5% Hypochlorite	LS	\$ 1,570.00	1	\$ 1,570.00
Smaller 13 gallon container - 12.5%	LS	\$ 354.00	1	\$ 354.00
13 Gallon Container Cost	EA	\$ 20.00	6	\$ 120.00
Pneumatic Hoses for Plugs - 40' Hoses	EA	\$ 283.29	2	\$ 566.58
Pneumatic Hoses for Plugs - 30' Hoses	EA	\$ 125.00	12	\$ 1,500.00
Pneumatic Hoses for Plugs - 20' Hoses	EA	\$ 90.00	6	\$ 540.00
Pipe Swabs for Pigging/Cleaning	LS	\$ 1,074.00	1	\$ 1,074.00
Trash Bags Boxes for debris removed in	EA	\$ 25.97	20	\$ 519.40
Hard Plastic Vinyl Gloves for Sanitation	EA	\$ 20.90	30	\$ 627.00
Box of Latex Gloves (100 per box)	Box	\$ 16.00	30	\$ 480.00
Soap & Hand Sanitizers	LS	\$ 4.30	50	\$ 215.00
Paper Towels - Bags	BAGS	\$ 25.25	35	\$ 883.75
Plastic 32 Gallon Trash Can	EA	\$ 29.97	12	\$ 359.64
Orange Safety Fencing for NPPO (1 roll = 100'	Roll	\$ 23.88	50	\$ 1,194.00
Steel T-Post for Orange Safety Fencing	EA	\$ 4.88	200	\$ 976.00
95 Gallon Spill Kit	EA	\$ 546.00	4	\$ 2,184.00
Freight for Spill Kits	LS	\$ 600.00	1	\$ 600.00
500 Gallon FuelCube Storage Tank	EA	\$ 5,570.00	1	\$ 5,570.00
500 Gallon FuelCube Storage Tank - Freight	EA	\$ 1,597.00	1	\$ 1,597.00
8-inch DR17 HDPE Discharge Pipe (Virgin Primary Pipe)	LF	\$ 4.44	1000	\$ 4,440.00
12-inch DR26 HDPE Discharge Pipe (Virgin Primary Pipe)	LF	\$ 9.69	9000	\$ 87,210.00
18-inch DR26 HDPE Discharge Pipe (Virgin Primary Pipe)	LF	\$ 19.52	11000	\$ 214,720.00
Spill Berm - 6' x 8' - 40 mil	EA	\$ 228.00	20	\$ 4,560.00
Spill Berm - 12' x 12' - 40 mil	EA	\$ 364.00	15	\$ 5,460.00
Spill Berm - 12' x 25' - 40 mil	EA	\$ 578.00	7	\$ 4,046.00
Spill Berm - "L" Bracket Supports	EA	\$ 7.00	100	\$ 700.00
Orbinox - Knife Gate Valve - 8"	EA	\$ 644.00	14	\$ 9,016.00
Orbinox - Knife Gate Valve - 12"	EA	\$ 1,115.00	12	\$ 13,380.00
Orbinox - Knife Gate Valve - 18"	EA	\$ 2,599.00	10	\$ 25,990.00
Freight for Orbinox Knife Gate Valves	LS	\$ 1,808.57	1	\$ 1,808.57
A.R.I - Air Relief Valves	EA	\$ 1,020.84	16	\$ 16,333.44
FMP Plug Sets	LS	\$ 29,305.00	1	\$ 29,305.00

**TOTAL FMP MATERIALS \$ 437,899.38**

**Project Name:**

**City:**

**DATE:**

**Document Name:**

**NRI Rehab - Phase 1 FMP**

**Pima County Regional Wastewater Reclamation D**

**10/27/2014**

**FMP Phase 1 - Estimate Recap**

See Bid Item 1.1 on Exhibit A.3 or Exhibit A.12.a for the Cost Summary

Production Task Items Labor	31,882.65	SUBTOTAL COLUMN #1	193,542.91
Overtime (0%)	-	PRODUCTION EQUIP	34,731.53
Travel		INSTALL/REMOVE EQUIP	99,974.45
FMP Mobilization/Demobilization	57,700.00	TOTAL DIRECT COSTS	328,248.90
Bypass Setup/Teardown Labor	66,520.27	Bypass MUP	
Equipment Rental During Setup	37,440.00	FMP Setup/Teardown Subtotal	328,248.90
SUBTOTAL COLUMN #1	<u>193,542.91</u>		
		<b>FMP Installation/Removal Cost</b>	<b>\$ 328,248.90</b>
 # DAYS RUN TIME IN WORKSHEET	 35.00	<b>FMP Rental Equipment &amp; Operation Cost</b>	<b>\$ 289,147.44</b>
		<b>FMP PHASE 1 COST</b>	<b>\$ 617,396.34</b>



Project Name:  
DATE:  
Document name:

NRI Rehab - Phase 1 FMP  
10/27/2014  
Flow Management - Production Task Items

**Trenching**

**Crew**

**Equipment**

Discharge Structure	245 lf	/ day	0.00 days @	2,600.00	1,200.00
Street Crossings	ea		0.00 days @	2,600.00	1,200.00
Excavate Suction pit	1 ea	/ day	days @	1,800.00	2,500.00
Cut pipe top	ea	/ day	days @	1,200.00	850.00
Tie Rebar	ls	/ day	days @	1,150.00	250.00
Const Yard	lf	/ day	days @	1,700.00	850.00
TRENCH PREP	lf	125 / day	days @	1,000.00	500.00
TRENCH B-FILL	lf	125 / day	days @	1,000.00	450.00

Pull In Discharge Pipe - 10,000 LF x 2 runs	20000 lf	5500 / day	3.64 days @	1,789.44	6,507.05	1,897.44	6,899.78
Pull In Discharge Pipe @ Tanque Verde Bridge & River Path	2500 lf	1250 / day	2.00 days @	1,789.44	3,578.88	1,897.44	3,794.88
Pull In Discharge Pipe at House Drives & Trench Crossings	278 lf	125 / day	2.22 days @	1,789.44	3,979.71	1,897.44	4,219.91
Remove Discharge Pipe	20000 lf	6000 / day	3.33 days @	1,789.44	5,964.80	1,897.44	6,324.80
Unload & Stage HDPE Pipe	lf	/ day	2.00 days @	833.70	1,667.40	1,302.40	2,604.80
Move Pump Station	2 Ea	1 / day	2.00 days @	1,221.12	2,442.24	1,444.64	2,889.28
Install/Remove Plugs	3 ea	3 / day	1.00 days @	1,221.12	1,221.12	820.40	820.40
Vector Pump Lateral Flow during CIPP Lining	2 ea	/ day	2.00 days @	1,020.00	2,040.00	1,200.00	2,400.00
Discharge Pit	ea	/ day	days @	1,500.00		750.00	
Splice Pits/ TIE INS	ea	/ day	days @				
Landscape	ea	/ day	days @	1,100.00		350.00	
Clean Up Site after FMP Removal	lf	/ day	3.00 days @	1,493.81	4,481.44	1,592.56	4,777.68

**COMPACTION**

mech	lf	/ day	days @	1,200.00	750.00
Water	lf	/ day	days @		

**Pavement**

small	lf	/ day	days @	2,200.00	1,500.00
7Th large	lf	/ day	days @	2,400.00	2,500.00

**Supervision**

0.00 days @	650.00	75.00
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TOTAL LABOR: 31,882.65 EQUIP: 34,731.53

Project Name: NRI REHAB - FMP Phase 1 Estimate  
 DATE: 10/27/2014

**BYPASS LABOR & EQUIPMENT FOR FUSING PIPE & REMOVAL**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	0.32	0	42.24
Operator	2	8	HR	\$ 33.00	\$ 528.00	25	10.24	0.00	33.00
Laborer	2	8	HR	\$ 26.40	\$ 422.40	20	8	0.00	26.40
Fusion Technician	1	8	HR	\$ 52.80	\$ 422.40	40	6.4	0.00	52.80
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	12.8	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	3	8	DAY	\$ 28.89	\$ 693.36
Generator	1	8	HR	\$ 16.19	\$ 129.52
Compressor	1	8	HR	\$ 18.96	\$ 151.68
Ingersol Rand 10k Forklift	2	8	HR	\$ 57.16	\$ 914.56
JCB Mini Forklift	1	8	HR	\$ 31.44	\$ 251.52
McElroy 618 Fusion Machine	2	8	HR	\$ 56.25	\$ 900.00
CAT 420E Backhoe	2	8	HR	\$ 41.93	\$ 670.88
20 ft. trailer	2	8	HR	\$ 4.75	\$ 76.00
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56

2 HRS/MAN  
 DAILY TOTAL \$ 6,393.68  
 Daily OT \$ 997.92  
 DAILY TOTAL W/ OT \$ 7,391.60

LABOR	EQUIP
\$ 1,953.60	\$ 4,440.08
\$ 2,951.52	\$ 4,440.08

**BYPASS LABOR & EQUIPMENT FOR PUMPS & MANIFOLD INSTALLATION**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	0.32	0	42.24
Operator	1	8	HR	\$ 33.00	\$ 264.00	25	10.24	0.00	33.00
Laborer	2	8	HR	\$ 26.40	\$ 422.40	20	8	0.00	26.40
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	6.4	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	2	8	DAY	\$ 28.89	\$ 462.24
Generator	1	8	HR	\$ 16.19	\$ 129.52
Compressor	1	8	HR	\$ 18.96	\$ 151.68
Ingersol Rand 10k Forklift	1	8	HR	\$ 57.16	\$ 457.28
McElroy 618 Fusion Machine	1	8	HR	\$ 56.25	\$ 450.00
20 ft. trailer	1	8	HR	\$ 4.75	\$ 38.00
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56

1 HRS/MAN  
 DAILY TOTAL \$ 3,608.48  
 Daily OT \$ 297.00  
 DAILY TOTAL W/ OT \$ 3,905.48

LABOR	EQUIP
\$ 1,267.20	\$ 2,341.28
\$ 1,564.20	\$ 2,341.28

# **PUMP WATCH ONLY LABOR**

	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Pump Operators	4	12	HR	\$ 39.60	\$ 1,900.80	30	0.32	0	39.60
Pipe Monitor	4	12	HR	\$ 29.04	\$ 1,193.92	22	7.04	0.00	29.04
Fuel Truck Driver	1	4	HR	\$ 30.36	\$ 121.44	23	7.36	0.00	30.36
LABOR SUBTOTAL					\$ 3,416.16	2 Pump Operators = 1 at MH 2721-15 for 15" SS, 1 at 8696-01D for 8" SS Lateral or at 8729-01 for 12" SS Lateral (2 shifts 6am to 6pm & 6pm to 6am)			
Overtime Hours Per Person/Per Day	4		HR	Cost/Day	\$ 549.12	2 Pipe Monitors = 2 for mainline discharge pipe = 9200 LF in length			
(12 Hour Shifts = 4 Hours Daily overtime per person)						1 Fuel Truck Driver for Refueling Pumps			
LABOR TOTAL					\$ 3,965.28	*Pump Operators & Pipe Monitors on 12 hour shifts for each employee = 10 personnel per day			

# **PUMP WATCH ONLY EQUIPMENT**

FMP Station Tool Truck	2	12	HR	\$ 28.89	\$ 693.36
Light Tower	2	12	HR	\$ 10.20	\$ 244.80
185 Air Comp.	1	8	HR	\$ 18.96	\$ 151.68
Fuel Truck/Oil & Lube	1	4	HR	\$ 65.00	\$ 260.00
TOTAL					\$ 1,349.84

# **FUEL CONSUMPTION FOR FMP PUMPS**

Pump station #	Size	Quan HRS	# PUMPS	GAL/HR	FUEL PUMP GPH	\$ 4.10 Diesel Cost
2AM / 6AM	*3 pumps x 4 hours x 1.91 GPH x fuel cost	4	2	1.91	\$ 62.65	\$ 1,879.44
6AM / 11AM	*4 pumps x 5 hours x 2.87 GPH x fuel cost	5	4	2.87	\$ 235.34	\$ 7,060.20
11AM / 8PM	*3 pumps x 9 hours x 2.87 GPH x fuel cost	9	3	2.87	\$ 317.16	\$ 9,514.67
8PM / 2AM	*3 pumps x 6 hours x 2.87 GPH x fuel cost	6	3	1.91	\$ 140.96	\$ 4,228.74
Total Gallons					184.415	\$ 756.10
TOTAL FUEL PER MONTH W/ MUP						\$ 22,683.05

Pump Fuel Consumption Table			
	Engine Load		
	100.00%	75.00%	50.00%
CD100M	1.21	0.91	0.61
CD150M	3.82	2.87	1.91
CD225M	4.90	3.68	2.45
DPC300	7.80	5.85	3.90
CD300M	10.10	7.58	5.05

# **PUMP/PIPE/FITTING RENTAL**

Design Flow based on :					Peak 1250 GPM	Peak Flow Rt. 1875 GPM	Redundancy 50% - 2 pumps or more 100% - 1 pump setup
Pump station #	Qty/Type	Size	PipeQuan	# PUMPS	Unit	mth Cost	cost per month
PUMPS	CD300M	12"			EA	\$ 7,000.00	\$ -
PUMPS	DPC300	12"			EA	\$ 6,300.00	\$ -
PUMPS	CD225M	8"			EA	\$ 4,000.00	\$ -
PUMPS	CD150M	6"		4	EA	\$ 3,000.00	\$ 12,000.00
PUMPS	CD100M	4"		2	EA	\$ 2,100.00	\$ 4,200.00
PUMPS	GSP80	4"			EA	\$ 840.00	\$ -
PUMPS	GSP60	3"			EA	\$ 840.00	\$ -
PIPE	DR11	8"	1000		LF	\$ 1.20	\$ 1,200.00
PIPE	DR26	12"	9800		LF	\$ 1.80	\$ 17,640.00
PIPE	DR26	18"	0		LF	\$ 2.25	\$ -
Generator	0				EA	\$ 1,500.00	\$ -
Spill Berm	0				EA	\$ 215.00	\$ -
Water Crossing	2	12"			EA	\$ 900.00	\$ 1,800.00
Manifolds	6				EA	\$ 450.00	\$ 2,700.00
VALVES	12				EA	\$ 175.00	\$ 2,100.00
SUCT TUBES	0				EA	\$ 600.00	\$ -
Metal Traffic Plates					EA	\$ 114.66	\$ -
HOSES	14				EA	\$ 240.00	\$ 3,360.00
FITTINGS, VICTAULIC, SPOOLS	40				EA	\$ 16.00	\$ 640.00
MISC	0				LS	\$ 250.00	\$ -
ARI Air Relief Valves	0				EA	\$ 330.72	\$ -
Pressure Transducer in MH	0				EA	\$ 280.00	\$ -
PUMP SERVICE	8				EA	\$ 350.00	\$ 2,800.00
MECHANIC	32				HRS	\$ 95.00	\$ 3,040.00
PLUGS					LS	\$ -	\$ -

Pump & Pipe Rates	
	List Rate
CD300M	\$ 7,000.00
DPC300	\$ 6,300.00
CD225M	\$ 4,000.00
CD150M	\$ 3,300.00
CD100M	\$ 2,300.00
GSP80	\$ 1,000.00
GSP60	\$ 1,000.00
8" DR11	\$ 1.00
12" DR26	\$ 1.75
18" DR26	\$ 2.50

Days/Month	Hours/Day	Total Monthly Hours
30	24	720
Regular Time Pump Hours/Month		192 (Equal to 48 Hours/Week)
Overtime Hours		336 (Equal to 720 Total Hours - 192 Hours for Primary & 192 Hours for Backup Pump = 336 O/T Hours/Month)

Subtotal \$ 51,480.00  
 Overtime Pump Cost \$ 9,843.75  
 Total Cost for Monthly Rental \$ 61,323.75

RATE FOR RENTAL HDPE PIPE & COMPONENTS WHILE PERFORMING SET-UP & TAKE-DOWN (1 month) \$ 29,440.00  
 RATE FOR RENTAL PUMPS WHILE PERFORMING SET-UP & TAKE-DOWN (2 Weeks) \$ 8,000.00  
 TOTAL Equipment Rental During Setup/Teardown \$ 37,440.00

Total Hours Per Month	Regular Hours	O/T Hours	Pump Qty
720	384	336	3
Pump O/T Hours	1008		
Months	1.25		
Total O/T Hours	1260		
O/T Hourly Run Rate - CD150M \$	7.81		
Pump Overtime Hours	1260		
Total Pump O/T Costs	\$ 9,843.75		

#### PUMP & EQUIPMENT MOBILIZATION/DEMObILIZATION

Type	Quantity	# PER TRIP	TRIPS	\$ PER TRIP	TOTAL
Pumps	6	1	6	\$ 100.00	\$ 600.00
Forklift	2	1	2	\$ 250.00	\$ 500.00
Backhoe	3	1	3	\$ 250.00	\$ 750.00
FMP Components (Hoses, Ftg's, Valves, Manifolds, Plugs, Etc)	5	1	10	\$ 100.00	\$ 1,000.00
TOTAL					\$ 2,850.00

#### PIPE MOBLIZATION & DEMObILIZATION

	LF OF PIPE	LF PER TRIP	TRIPS	\$ PER TRIP	TOTAL
8"	2000	2400	1.00	\$ 520.00	\$ 520.00
12"	20000	1650	13.00	\$ 520.00	\$ 6,760.00
18"	0	1250	0.00	\$ 400.00	\$ -
TOTAL					\$ 7,280.00
TOTAL MOBILIZATION & DEMOBILIZATION					\$ 20,280.00

### FUSING PIPE INSTALLATION

	LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR	
8"	2000	40	5	2	47	4	
12"	19600	392	14	8	414	4	
18"	0	0	0	0	0	4	using 2 fusers
	TOTAL FUSING HRS	115.25					
	8HR DAYS	# DAYS					Additional & Misc. Fuses at elbows, manifolds, fittings, etc
	DAILY RATE	# DAYS	TOTAL COST				
	\$ 7,391.60	14.41	\$ 108,485.24				

### INSTALL PUMPS & MANIFOLDS & HYDROSTATIC TEST HDPE DISCHARGE PIPE

# OF PUMPS	Setup/Days	Hydrostatic Testing Days	
6	2	2	
LABOR & EQUIP	\$ 3,905.48		15" SS Main Line Flow - 8" SS Lateral Flow - 18" SS Lateral Flow -
TOTAL	\$ 15,621.92		
TOTAL INSTALL	\$ 122,107.16		

### CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR REMOVAL

LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR
21600	432	25	10	467	12
TOTAL FUSING HRS	38.91666667				
HR DAYS	# DAYS				
	3.891666667				
DAILY RATE	# DAYS	TOTAL COST			
\$ 7,391.60	3.891666667	\$ 28,765.64			

### BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING

# OF PUMPS	# OF DAYS	Pig, Clean & Disinfect Pipe
6	2	2
LABOR & EQUIP	\$ 7,391.60	
TOTAL	\$ 29,566.40	
TOTAL REMOVAL COSTS	\$ 58,332.04	

	EQUIP	LABOR	TOTAL
RATE FOR RENTAL EQ DURING SET-UP			\$ 37,440.00
PIPE MOBILIZATION			\$ 57,700.00
FUSING PIPE INSTALL	\$ 63,964.90	\$ 42,520.34	\$ 106,485.24
INSTALL PUMPS AND MANIFOLDS	\$ 9,365.12	\$ 6,256.80	\$ 15,621.92
CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR RE	\$ 17,279.31	\$ 11,486.33	\$ 28,765.64
BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING	\$ 9,365.12	\$ 6,256.80	\$ 15,621.92
	\$ 99,974.45	\$ 66,520.27	\$ 261,834.72

**FMP RENTAL, LABOR & EQUIPMENT COSTS WHILE RUNNING**

Run Time of 35 DAYS NOTE: The run time totals go to the RECAP sheet totals.

RUN SYSTEM	# days	Cost/day	TOTAL
FUEL	35	\$ 756.10	\$ 26,463.55
FMP COMPONENT RENTAL (pumps, pipe, valves, etc)	35	\$ 2,190.13	\$ 76,654.69
PUMP WATCH ONLY EQUIPMENT	35	\$ 1,349.84	\$ 47,244.40
PUMP WATCH ONLY LABOR	35	\$ 3,965.28	\$ 138,784.80

# Days 35  
# months 1.25

**TOTAL RUN COST \$ 289,147.44**

**DAILY COST \$ 8,261.36**

BREAKDOWN OF FMP RUN DAYS	
ACTIVITY	# DAYS
Cleaning Work	3
CCTV	3
CIPP	7
MH Rehab - Base/Invert/Bench	15
MH Reconstruct/Replace	7
Sewer Realignment/Replace	0
Total Days	35

**Project Name:** NRI Rehab - Phase 1 FMP  
**City:** Pima County Regional Wastewater Reclamation Department  
**DATE:** 10/27/2014  
**Document Name:** FMP Phase 1 - AC Restoration, ABC, Plates, Etc.  
See Bid Item 1.4 on Exhibit A.3 or Exhibit A.12.a for the Cost Summary

Production Task Items Labor	9,586.00	Asphalt	2,381.33
		Sawcutting	1,668.00
SUBTOTAL COLUMN #1	9,586.00	Milling for Plates	1,200.00
		Slurry	416.67
		ABC Subgrade	\$1,235.56
		Trucking / Hauling	2,736.00
		Traffic Plate Rental	7,971.00
		Dump Fees	150.00
		SUBTOTAL COLUMN #2	17,758.55
		SUBTOTAL COLUMN #1	9,586.00
		Production Task Items Equip	7,534.00
		TOTAL DIRECT COSTS	34,878.55
		<b>SUBTOTAL</b>	<b>34,878.55</b>

## PRODUCTION TASK ITEMS FOR ASPHALT RESTORATION & TRENCHING

Project Name: North Rillito Interceptor Rehabilitation Project 3NRI14  
DATE: Tucson  
Utility: 10/27/2014  
Document name: Phase 1 Asphalt Restoration

<u>TRENCHING &amp; ASPHALT REPLACEMENT ITEMS</u>				<u>Crew</u>	<u>Equipment</u>		
Trench Driveway & Road Crossing:	300 lf	150 / day	2.00 days @	1,493.00	2,986.00	1,592.00	3,184.00
Clean Up	_____ lf	/ day	0.50 days @	1,000.00	500.00	450.00	225.00
<b>COMPACTION</b>							
Mechanical Compaction	lf	/ day	0.50 days @	1,200.00	600.00	750.00	375.00
<b>Pavement</b>							
Small Patch Areas	_____ lf	/ day	2.50 days @	2,200.00	5,500.00	1,500.00	3,750.00
TOTAL LABOR:					<b>9,586.00</b>	EQUIP:	<b>7,534.00</b>



Project Name: North Rillito Interceptor Rehabilitation Project 3NRI14  
 DATE: Tucson  
 Utility: 10/27/2014  
 Document name: Phase 1 Asphalt Restoration from FMP Discharge Pipe at Driveway & Road Crossings

#### PAVING PATCHES FOR FMP DISCHARGE PIPE AT DRIVEWAY & ROAD CROSSINGS

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD	Price per Ton	Asphalt Per Ton
8874 E. Woodland Rd. - Driveway Patch	35	4	4	1	3.46	0.86	16		\$65.00
Woodland Rd. at 8716-15 - 8" SS Lateral Patch	25	5	6	1	4.63	0.77	14		
8610 E. Woodland Rd. - Driveway Patch	40	4	4	1	3.95	0.99	18		
8540 E. Woodland Rd. - Driveway Patch	35	4	4	1	3.46	0.86	16		
8510 E. Woodland Rd. - Driveway Patch	30	4	4	1	2.96	0.74	13		
3334 E. Milber St. - Driveway Patch	40	4	4	1	3.95	0.99	18		
8240 E. Woodland Rd. - Driveway Patch	23	4	4	1	2.27	0.57	10		
8220 E. Woodland Rd. - Driveway Patch	30	4	4	1	2.96	0.74	13		
4259 N. Limberlost Pl.	20	4	4	1	1.98	0.49	9		
Totals	278	37							

TOTAL SY	126
Tons Asphalt	29.62
Tons C Mix 1"	7.02

Asphalt Cost	\$	1,925.12
C Mix 1" Cost	\$	456.20

Total Cost	\$	2,381.33
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#### MILLING FOR TRENCHING

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
	0	0	0	1	0.00	0.00	0
Totals	0	0					

TOTAL SY	0
Tons Asphalt	0.00
Tons C Mix 1"	0.00

Asphalt Cost	\$	-
C Mix 1" Cost	\$	-

Total Cost	\$	-
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#### PAVING FOR MANHOLES

MANHOLE LOCATION	ft. LENGTH	ft. WIDTH	INCHES DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
	0	0	0	0	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
					0.00	0.00	

TOTAL SY	0
Tons Asphalt	0.00
Tons C Mix 1"	0.00

Asphalt Cost	\$	-
C Mix 1" Cost	\$	-

Total Cost	\$	-
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**TEMPORARY PLATES OVER FMP DISCHARGE PIPE AT DRIVEWAYS & ROAD CROSSINGS**

SIZE	QUANTITY	DAYS	RATE	TOTAL
5 x 12 Metal Traffic Plates	15	45	\$ 10.92	\$ 7,371.00
(1.5 month rental for Phase 1)				
Pick/Up & Delivery	4		\$ 150.00	\$ 600.00

**Total Cost \$ 7,971.00**

**MILLING FOR PLATES**

Location	QUAN	FT/DAY	#DAYS	\$/DAY	TOTAL
	1	600	1	\$ 1,200.00	\$ 1,200.00

**Total Cost \$ 1,200.00**

**SAWCUT ASPHALT FOR FMP DISCHARGE PIPE CROSSINGS**

SAWCUT	LENGTH	Sides	\$/LF	TOTAL
TRENCH	278.00	2	3	\$ 1,668.00

**Total Cost \$ 1,668.00**

**CONCRETE**

Type of Concrete Work	Cost Per Unit	Length	Width	SQ FT	SF per CY	LF per CY	HAUL OFF CY
Sidewalk 4" (SF)	\$ 10.00	0	4	0	81		0.00
Dwy 9" (SF)	\$ 12.00	0	4	0	36		0.00
Valley Gutter 6" (SF)	\$ 9.00	0	3	0	54		0.00
C&G (LF)	\$ 26.50	0	N/A	N/A		22	0.00
Extruded Curb (LF)	\$ 25.00	0	N/A	N/A		31	0.00
							0.00

**Total Cost \$ -**

### SLURRY

Location	LENGTH	WIDTH	DEPTH	QUANT.	TOTAL CY
Woodland Rd. Street Crossing	25	5	1.5	1	6.94
	0	0	0	1	0.00

	\$/Yard
1/2 Sack	\$60.00
1 Sack	\$65.00

TOTAL CY 6.94

Total Cost \$ 416.67

### ABC BACKFILL

Location	Length	Width	Depth	Quantity	Total Tons
Trench Crossings	278	4	18	1	123.56
	0	0	0	0	0.00
	0	0	0	0	0.00

	\$/TON
PAG Spec ABC	\$10.00

Total Tons 123.56  
Total Cost \$1,235.56

### TRUCKS

Amount to haul off	Tn AC	CY 1 sack	Tn ABC	Tn ABC	CY Conc	10 TN / trklload	12 CY / trklload	# of Trucks	Trips/hour
Asphalt	36.64					3.66		4.00	1
Slurry		6.94					0.58	1.00	1
ABC			123.56			12.35555556		13.00	1
Concrete					0.00		0.00	0.00	1

Truck Type	8 HR Days	Qty	\$/Day	Total
10 Wheel	3.00	1	\$ 652.00	\$ 1,956.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
TRAVEL	12.00		\$ 65.00	\$ 780.00

18.00	18.00
TOTAL TRKS	TOTAL HRS
Travel to & From Jobsite (hrs)	4
Travel for this project (hrs)	12.00

Total Cost \$ 2,736.00

### DUMP FEE

# Loads	\$/Load	Total
10	\$ 15.00	\$ 150.00

Total Cost \$ 150.00

**Project Name:**

**NRI Rehab - Phase 2 FMP**

**City:**

**Pima County Regional Wastewater Reclamation**

**DATE:**

**10/27/2014**

**Document Name:**

**FMP Phase 2 - Estimate Recap**

See Bid Item 1.2 on Exhibit A.3 or Exhibit A.12.a for the Cost Summary

Production Task Items Labor	46,529.85	SUBTOTAL COLUMN #1	197,002.41
Overtime (0%)	-	PRODUCTION EQUIP	54,468.40
Cost for I-Beam Supports	18,358.72	INSTALL/REMOVE EQUIP	110,926.56
FMP Mobilization/Demobilization	16,200.00	TOTAL DIRECT COSTS	362,397.37
Bypass Setup/Teardown Labor	77,968.84	Bypass MUP	
Equipment Rental During Setup	37,945.00	FMP Setup/Teardown Subtotal	362,397.37
SUBTOTAL COLUMN #1	<u>197,002.41</u>		
		<b>FMP Installation/Removal Cost</b>	<b>\$ 362,397.37</b>
<b># DAYS RUN TIME IN WORKSHEET</b>	<b>50.00</b>	<b>FMP Rental &amp; Operation Cost</b>	<b>\$ 549,643.17</b>
		<b>FMP PHASE 1 COST</b>	<b>\$ 912,040.54</b>

Project Name:  
DATE:  
Utility:  
Document name:

NRI Rehab - Phase 2 FMP  
10/27/2014

Flow Management - Production Task Items

### Trenching

### Crew

### Equipment

Discharge Structure	245 lf	/ day	0.00 days @	2,600.00	1,200.00
Street Crossings	ea		0.00 days @	2,600.00	1,200.00
Excavate Suction pit	1 ea	/ day	days @	1,800.00	2,500.00
Cut pipe top	ea	/ day	days @	1,200.00	850.00
Tie Rebar	Ls	/ day	days @	1,150.00	250.00
Const Yard	lf	/ day	days @	1,700.00	850.00
TRENCH PREP	lf	125 / day	days @	1,000.00	500.00
TRENCH B-FILL	lf	125 / day	days @	1,000.00	450.00

Pull In Discharge Pipe - 10,000 LF x 2 runs	20000 lf	4000 / day	5.00 days @	1,789.44	8,947.20	1,897.44	9,487.20
Pull In Discharge Pipe @ Sabino Canyon Rd. & River Path - Install Reducer Manifold		/ day	2.00 days @	1,789.44	3,578.88	1,897.44	3,794.88
Pull In Discharge Pipe Over Pedestrian Bridges, in Alley's & Properties	lf	/ day	4.00 days @	1,789.44	7,157.76	1,897.44	7,589.76
Remove Discharge Pipe	20000 lf	5000 / day	4.00 days @	1,789.44	7,157.76	1,897.44	7,589.76
Unload & Stage HDPE Pipe	lf	/ day	2.00 days @	833.70	1,667.40	1,302.40	2,604.80
Move Pump Station - Laterals during CIPP Lining	3 Ea	1 / day	3.00 days @	1,221.12	3,663.36	1,444.64	4,333.92
Install/Remove Plugs	3 ea	3 / day	2.00 days @	1,221.12	2,442.24	820.40	1,640.80
R/R Cones	2 ea	/ day	days @	1,000.00		500.00	
Discharge Pit	ea	/ day	days @	1,500.00		750.00	
Splice Pits/ TIE INS	ea	/ day	days @				
Landscape	ea	/ day	days @	1,100.00		350.00	
Clean Up Site after FMP Removal	lf	/ day	4.00 days @	1,493.81	5,975.25	1,592.56	6,370.24
Set/Remove I-Beam Pipe Supports at Pedestrian Bridges on River Path (3 each locations @ 1.5 days each)			4.50 days @	1,320.00	5,940.00	2,457.12	11,057.04

### COMPACTION

mech	lf	/ day	days @	1,200.00	750.00
Water	lf	/ day	days @		

### Pavement

small	lf	/ day	days @	2,200.00	1,500.00
7Th large	lf	/ day	days @	2,400.00	2,500.00

### Supervision

0.00 days @ 650.00 75.00

TOTAL LABOR: 46,529.85 EQUIP: 54,468.04

Project Name:

NRI REHAB - FMP PHASE 2 ESTIMATE

DATE:

10/27/2014

## BYPASS LABOR &amp; EQUIPMENT FOR FUSING PIPE &amp; REMOVAL

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	10.24	0.00	42.24
Operator	2	8	HR	\$ 33.00	\$ 528.00	25	8	0.00	33.00
Laborer	3	8	HR	\$ 26.40	\$ 633.60	20	6.4	0.00	26.40
Fusion Technician	1	8	HR	\$ 52.80	\$ 422.40	40	12.8	0.00	52.80
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	7.36	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	3	8	DAY	\$ 28.89	\$ 693.36
Generator	1	8	HR	\$ 16.19	\$ 129.52
Compressor	1	8	HR	\$ 18.96	\$ 151.68
Ingersol Rand 10k Forklift	2	8	HR	\$ 57.16	\$ 914.56
JCB Mini Forklift	1	8	HR	\$ 31.44	\$ 251.52
McElroy 618 Fusion Machine	2	8	HR	\$ 56.25	\$ 900.00
CAT 420E Backhoe	2	8	HR	\$ 41.93	\$ 670.88
20 ft. trailer	2	8	HR	\$ 4.75	\$ 76.00
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56

LABOR	EQUIP
\$ 1,921.92	\$ 4,440.08
\$ 2,919.84	\$ 4,440.08

2	HRS/MAN	DAILY TOTAL	\$ 6,604.88
		Daily OT	\$ 997.92
		DAILY TOTAL W/ OT	\$ 7,602.80

## BYPASS LABOR &amp; EQUIPMENT FOR PUMPS &amp; MANIFOLD INSTALLATION

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	10.24	0.00	42.24
Operator	1	8	HR	\$ 33.00	\$ 264.00	25	8	0.00	33.00
Laborer	2	8	HR	\$ 26.40	\$ 422.40	20	6.4	0.00	26.40
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	7.36	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	2	8	DAY	\$ 28.89	\$ 462.24
Generator	1	8	HR	\$ 16.19	\$ 129.52
Compressor	1	8	HR	\$ 18.96	\$ 151.68
Ingersol Rand 10k Forklift	1	8	HR	\$ 57.16	\$ 457.28
McElroy 618 Fusion Machine	1	8	HR	\$ 56.25	\$ 450.00
20 ft. trailer	1	8	HR	\$ 4.75	\$ 38.00
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56

LABOR	EQUIP
\$ 1,267.20	\$ 1,879.04
\$ 1,514.70	\$ 1,879.04

1	HRS/MAN	DAILY TOTAL	\$ 3,608.48
		Daily OT	\$ 247.50
		DAILY TOTAL W/ OT	\$ 3,855.98

# **PUMP WATCH ONLY LABOR**

	<u>QTY</u>	<u>Hours</u>	<u>Unit</u>	<u>Price</u>	<u>TOTAL</u>	<u>Rate</u>	<u>Labor Burden</u>	<u>Profit</u>	<u>Total</u>
Pump Operators	6	12	HR	\$ 39.60	\$ 2,851.20	30	0.32	0	
Pipe Monitor	4	12	HR	\$ 29.04	\$ 1,393.92	22	7.04	0.00	39.60
Fuel Truck Driver	1	4	HR	\$ 30.36	\$ 121.44	23	7.36	0.00	29.04
									30.36
LABOR SUBTOTAL					\$ 4,366.56	4 Pump Operators = 1 at 4466-IN, 1 at 8699-01, 1 at 1811-02, 1 for SS Laterals			
Overtime Hours Per Person/Per Day	4		HR	Cost/Day	\$ 686.40	2 Pipe Monitors = 2 for mainline discharge pipe = 9200 LF in length			
(12 Hour Shifts = 4 Hours Daily overtime)						1 Fuel Truck Driver for Refueling Pumps			
LABOR TOTAL					\$ 5,052.96	*Pump Operators & Pipe Monitors on 12 hour shifts for each employee = 10 personnel per day			

# **PUMP WATCH ONLY EQUIPMENT**

FMP Station Tool Truck	2	12	HR	\$ 28.89	\$ 693.36
Light Tower	2	12	HR	\$ 10.20	\$ 244.80
185 Air Comp.	1	8	HR	\$ 18.96	\$ 151.68
Fuel Truck/Oil & Lube	1	4	HR	\$ 65.00	\$ 260.00
TOTAL					\$ 1,349.84

# **FUEL CONSUMPTION - Pumps**

<u>Pump station #</u>	<u>Size</u>	<u>Quan HRS</u>	<u># PUMPS</u>	<u>GAL/HR</u>	<u>Daily Cost</u>	<u>Diesel Cost cost per month</u>
2AM / 6AM		4	5	2.87	\$ 237.80	\$ 7,133.85
6AM / 11AM		5	6	3.82	\$ 475.59	\$ 14,267.70
11AM / 8PM		9	5	2.87	\$ 535.04	\$ 16,051.16
8PM / 2AM		6	4	2.87	\$ 285.35	\$ 8,560.62
Total Gallons				369,565	\$ 1,533.78	\$ 46,013.33
TOTAL FUEL PER MONTH W/ MUP						\$ 46,013.33

Pump Fuel Consumption Table			
	Engine Load		
	100.00%	75.00%	50.00%
CD100M	1.21	0.91	0.61
CD150M	3.82	2.87	1.91
CD225M	4.90	3.68	2.45
DPC300	7.80	5.85	3.90
CD300M	10.10	7.58	5.05

# **PLUGS**

<u>Pump station #</u>	<u>Size</u>	<u>Quan</u>	<u>MH #</u>	<u>PIPE</u>	<u>monthly rental</u>	<u>cost per month</u>
	24	0	Eastm	D/S EAST	\$ 1,200.00	\$ -
	18	0		D/S EAST	\$ 700.00	\$ -
	15"	0	Suction MH		\$ 650.00	\$ -
	45	0	DISCH	D/S EAST	\$ 1,350.00	\$ -
	30	0		D/S SOUTH	\$ 1,200.00	\$ -
	36	0	scn pit	D/S East	\$ 1,200.00	\$ -
	12	0		fl thru	\$ 500.00	\$ -
	10	0	misc	fl thru	\$ 450.00	\$ -
	8	0	misc	fl thru	\$ 400.00	\$ -
	18" w/ 12"			fl thru	\$ 750.00	\$ -
					\$	\$ -

# PUMP/PIPE/FITTING RENTAL

Design Flow based on :

Peak PPF Redundancy  
0

Pump station #	Qty/Type	Size	PipeQuan	# PUMPS	Unit	mth Cost	cost per month
PUMPS	CD300M	12"			EA	\$ 7,000.00	\$ -
PUMPS	DPC300	12"			EA	\$ 6,300.00	\$ -
PUMPS	CD225M	8"			EA	\$ 4,000.00	\$ -
PUMPS	CD150M	6"		7	EA	\$ 3,000.00	\$ 21,000.00
PUMPS	CD100M	4"		4	EA	\$ 2,100.00	\$ 8,400.00
PUMPS	GSP80	4"			EA	\$ 840.00	\$ -
PUMPS	GSP60	3"			EA	\$ 840.00	\$ -
PIPE	DR11	8"	2350		LF	\$ 1.20	\$ 2,820.00
PIPE	DR26	12"	5050		LF	\$ 1.80	\$ 9,090.00
PIPE	DR26	18"	2650		LF	\$ 2.25	\$ 5,962.50
Generator	0				EA	\$ 1,500.00	\$ -
Spill Berm	0				EA	\$ 215.00	\$ -
Water Crossing	3	12"			EA	\$ 900.00	\$ 2,700.00
Manifolds	8				EA	\$ 450.00	\$ 3,600.00
VALVES	15				EA	\$ 225.00	\$ 3,375.00
SUCT TUBES	0				EA	\$ 600.00	\$ -
Metal Traffic Plates	0				EA	\$ 114.66	\$ -
HOSES	24				EA	\$ 240.00	\$ 5,760.00
FITTINGS, VICTAULIC, SPOOLS	50				EA	\$ 16.00	\$ 800.00
MISC	0				LS	\$ 250.00	\$ -
ARI Air Relief Valves	0				EA	\$ 330.72	\$ -
Pressure Transducer in MH	0				EA	\$ 280.00	\$ -
PUMP SERVICE	12				EA	\$ 350.00	\$ 4,200.00
MECHANIC	40				HRS	\$ 95.00	\$ 3,800.00
PLUGS				1	LS	\$ 6.00	\$ 6.00

Subtotal \$ 71,513.50  
Overtime Pump Cost \$ 14,062.50  
Total Cost \$ 85,576.00

RATE FOR RENTAL HDPE PIPE & COMPONENTS WHILE PERFORMING SET-UP & TAKE-DOWN (1 month) \$ 28,145.00  
RATE FOR RENTAL PUMPS WHILE PERFORMING SET-UP & TAKE-DOWN (1 Week) \$ 9,800.00  
TOTAL Equipment Rental During Setup/Tear-down \$ 37,945.00

Pump & Pipe Rates	
	List Rate
CD300M	\$ 7,000.00
DPC300	\$ 6,300.00
CD225M	\$ 4,000.00
CD150M	\$ 3,300.00
CD100M	\$ 2,675.00
GSP80	\$ 1,000.00
GSP60	\$ 1,000.00
8" DR11	\$ 1.00
12" DR26	\$ 1.75
18" DR26	\$ 2.50

Days/Month 30 Hours/Day 24 Total Monthly Hours 720  
Regular Time Pump Hours/Month 192 (Equal to 48 Hours/Week)  
Overtime Hours 320 (Equal to 720 Total Hours - 192 Hours for

Total Hours Per Month 720 Regular Hours 384 O/T Hours 336 Pump Qty 3

O/T Hourly Run Rate - CD150M \$ 7.81  
Pump Overtime Hours 1800  
Total Pump O/T Costs \$ 14,062.50

## PUMP & EQUIPMENT MOBILIZATION/DEMObILIZATION

Type	Quantity	# PER TRIP	TRIPS	\$ PER TRIP	TOTAL
Pumps	11	1	11	\$ 100.00	\$ 1,100.00
Forklift	2	1	2	\$ 300.00	\$ 600.00
Backhoe	3	1	3	\$ 300.00	\$ 900.00
FMP Components (Hoses, Ftg's, Valves, Manifolds, Plugs, Etc)	6	1	10	\$ 225.00	\$ 2,250.00
TOTAL					\$ 4,850.00

## PIPE MOBILIZATION & DEMObILIZATION

LF OF PIPE	LF PER TRIP	TRIPS	\$ PER TRIP	TOTAL
8" 2350	2400	1.00	\$ 250.00	\$ 250.00
12" 10100	1650	7.00	\$ 250.00	\$ 1,750.00
18" 5300	1250	5.00	\$ 250.00	\$ 1,250.00
TOTAL				\$ 3,250.00

TOTAL MOBILIZATION & DEMOBILIZATION \$ 16,200.00



### FUSING PIPE INSTALLATION

	LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR	
8"	4680	93.6	5	5	103.6	4	
12"	10100	202	10	10	222	4	
18"	5050	101	5	5	111	4	using 2 fusers
	TOTAL FUSING HRS	109.15					
	8HR DAYS # DAYS	13.64					Additional & Misc. Fuses at elbows, manifolds, fittings, etc
	DAILY RATE	# DAYS	TOTAL COST				
	\$ 7,602.80	13.64	\$ 103,730.70				

### INSTALL PUMPS & MANIFOLDS & HYDROSTATIC TEST HDPE DISCHARGE PIPE

	# OF PUMPS	Setup/Days	Hydrostatic Testing Days			
	11	6	3			
LABOR & EQUIP		\$ 3,855.98		Main Suction Pit @ 4466-OUT - 3 each 6" pumps	2 days setup	1 day testing
				18" SS Lateral @ 8699-01 - 2 each 6" Pumps	2 day setup	.5 day testing
				15" & 8" Laterals @ 1811-02 - 2 each 6" Pumps	1 day setup	.5 day testing
				8" & 8" Laterals @ 5191-01 - 2 each 4" Pumps	.5 day setup	.5 day testing
				8" & 8" Laterals @ 5954-15 - 2 each 4" Pumps	.5 day setup	.5 day testing
				Total of 11 Pumps (7 each 6" & 4 each 4")		
TOTAL		\$ 34,703.82				
TOTAL INSTALL		\$ 138,434.52				

### CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR REMOVAL

	LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR
	19830	396.6	30	20	446.6	12
TOTAL FUSING HRS		37.21666667				
HR DAYS # DAYS		3.721666667				
DAILY RATE		# DAYS	TOTAL COST			
\$ 7,602.80		3.721666667	\$ 28,295.09			

### BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING

# OF PUMPS	# OF DAYS	Pig, Clean & Disinfect Pipe
11	6	3
LABOR & EQUIP	\$ 7,602.80	
TOTAL	\$ 68,425.20	
TOTAL REMOVAL COSTS	\$ 96,720.29	

	EQUIP	LABOR	TOTAL
RATE FOR RENTAL EQ DURING SET-UP & TAKEDOWN			\$ 37,945.00
PIPE MOBILIZATION			\$ 16,200.00
FUSING PIPE INSTALL	\$ 60,579.34	\$ 39,837.57	\$ 100,416.91
INSTALL PUMPS AND MANIFOLDS	\$ 16,911.36	\$ 13,632.30	\$ 30,543.66
CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR RE	\$ 16,524.50	\$ 10,866.67	\$ 27,391.17
BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING	\$ 16,911.36	\$ 13,632.30	\$ 30,543.66
	\$ 110,926.56	\$ 77,968.84	\$ 243,040.40

**FMP RENTAL, LABOR & EQUIPMENT COSTS WHILE RUNNING**

Run Time of 50 DAYS NOTE: The run time totals go to the RECAP sheet totals.

RUN SYSTEM	# days	Cost/day	TOTAL
FUEL	50	\$ 1,533.78	\$ 76,688.89
FMP COMPONENT RENTAL (pumps, pipe, valves, etc)	50	\$ 3,056.29	\$ 152,814.29
PUMP WATCH ONLY EQUIPMENT	50	\$ 1,349.84	\$ 67,492.00
PUMP WATCH ONLY LABOR	50	\$ 5,052.96	\$ 252,648.00

# Days 50  
# months 1.785714286

TOTAL RUN COST \$ 549,643.17

DAILY COST \$ 10,992.86

BREAKDOWN OF FMP RUN DAYS	
ACTIVITY	# DAYS
Cleaning Work	4
CCTV	3
CIPP	9
MH Rehab (Base/Invert/Bench)	14
MH Reconstruct/Replace	20
Sewer Realignment/Replace	0
Total Days	50

**Project Name:** NRI Rehab - Phase 2 FMP  
**City:** Pima County Regional Wastewater Reclamation Department  
**DATE:** 10/27/2014  
**Document Name:** FMP Phase 2 - AC Restoration, ABC, Plates, Etc.

Production Task Items Labor	5,289.50	Asphalt	2,864.81
		Sawcutting	1,020.00
SUBTOTAL COLUMN #1	<u>5,289.50</u>	Milling for Plates	600.00
		Slurry	1,000.00
		ABC Subgrade	\$0.00
		Trucking / Hauling	912.00
		Traffic Plate Rental	5,541.60
		Dump Fees	90.00
		SUBTOTAL COLUMN #2	<u>12,028.41</u>
		SUBTOTAL COLUMN #1	5,289.50
		Production Task Items Equip	4,375.50
		TOTAL DIRECT COSTS	21,693.41
		<b>SUBTOTAL</b>	<b>21,693.41</b>

## PRODUCTION TASK ITEMS FOR ASPHALT RESTORATION & TRENCHING

**Project Name:** North Rillito Interceptor Rehabilitation Project 3NRI14  
**DATE:** Tucson  
**Utility:** 10/27/2014  
**Document name:** Phase 2 Asphalt Restoration

<b>TRENCHING &amp; ASPHALT REPLACEMENT ITEMS</b>				<b>Crew</b>	<b>Equipment</b>		
Trench Driveway & Road Crossing:	150 lf	150 / day	1.50 days @	1,493.00	2,239.50	1,592.00	2,388.00
Clean Up	lf	/ day	0.25 days @	1,000.00	250.00	450.00	112.50
<b>COMPACTION</b>							
Mechanical Compaction	lf	/ day	0.50 days @	1,200.00	600.00	750.00	375.00
<b>Pavement</b>							
Small Patch Areas	lf	/ day	1.00 days @	2,200.00	2,200.00	1,500.00	1,500.00
TOTAL LABOR:					<b>5,289.50</b>	EQUIP:	<b>4,375.50</b>

Project Name: North Rillito Interceptor Rehabilitation Project 3NRI14  
 DATE: Tucson  
 Utility: 10/27/2014  
 Document name: Phase 2 Asphalt Restoration from FMP Discharge Pipe at Driveway & Road Crossings

#### PAVING PATCHES FOR FMP DISCHARGE PIPE AT DRIVEWAY & ROAD CROSSINGS

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
Pantano & Alvin Rd.	65	6	6	1	14.44	2.41	43
Lodge Rd. for 8" SS Lateral	105	6	6	1	23.33	3.89	70
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
Totals	170	12					

Price per Ton Asphalt Per Ton  
 \$65.00

TOTAL SY	113
Tons Asphalt	37.78
Tons C Mix 1"	6.30

Asphalt Cost	\$ 2,455.56
C Mix 1" Cost	\$ 409.26

Total Cost	\$ 2,864.81
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#### MILLING FOR TRENCHING

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
	0	0	0	1	0.00	0.00	0
Totals	0	0					

TOTAL SY	0
Tons Asphalt	0.00
Tons C Mix 1"	0.00

Asphalt Cost	\$ -
C Mix 1" Cost	\$ -

Total Cost	\$ -
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#### PAVING FOR MANHOLES

MANHOLE LOCATION	ft. LENGTH	ft. WIDTH	INCHES DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
	0	0	0	0	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
					0.00	0.00	

TOTAL SY	0
Tons Asphalt	0.00
Tons C Mix 1"	0.00

Asphalt Cost	\$ -
C Mix 1" Cost	\$ -

Total Cost	\$ -
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**TEMPORARY PLATES OVER FMP DISCHARGE PIPE AT DRIVEWAYS & ROAD CROSSINGS**

SIZE	QUANTITY	DAYS	RATE	TOTAL
5 x 12 Metal Traffic Plates (2 month rental for Phase 2)	8	60	\$ 10.92	\$ 5,241.60
Pick/Up & Delivery	2		\$ 150.00	\$ 300.00

**Total Cost \$ 5,541.60**

**MILLING FOR PLATES**

Location	QUAN	FT/DAY	#DAYS	\$/DAY	TOTAL
	1	600	0.5	\$ 1,200.00	\$ 600.00

**Total Cost \$ 600.00**

**SAWCUT ASPHALT FOR FMP DISCHARGE PIPE CROSSINGS**

SAWCUT	LENGTH	Sides	\$/LF	TOTAL
TRENCH	170.00	2	3	\$ 1,020.00

**Total Cost \$ 1,020.00**

**CONCRETE**

Type of Concrete Work	Cost Per Unit	Length	Width	SQ FT	SF per CY	LF per CY	HAUL OFF CY
Sidewalk 4" (SF)	\$ 10.00	0	4	0	81		0.00
Dwy 9" (SF)	\$ 12.00	0	4	0	36		0.00
Valley Gutter 6" (SF)	\$ 9.00	0	3	0	54		0.00
C&G (LF)	\$ 26.50	0	N/A	N/A		22	0.00
Extruded Curb (LF)	\$ 25.00	0	N/A	N/A		31	0.00

**0.00**

**Total Cost \$ -**

### SLURRY

Location	LENGTH	WIDTH	DEPTH	QUANT.	TOTAL CY
Lodge Rd.	100	3	1	1	11.11
Pantano Rd. & Alvin	50	3	1	1	5.56

TOTAL CY 16.67

Total Cost \$ 1,000.00

	\$/Yard
1/2 Sack	\$60.00
1 Sack	\$65.00

### ABC BACKFILL

Location	Length	Width	Depth	Quantity	Total Tons
	0	0	0	0	0.00
	0	0	0	0	0.00
	0	0	0	0	0.00

Total Tons 0.00  
Total Cost \$0.00

	\$/TON
PAG Spec ABC	\$10.00

### TRUCKS

Amount to haul off	Tn AC	CY 1 sack	Tn ABC	Tn ABC	CY Conc	10 TN / trklod	12 CY / trklod	# of Trucks	Trips/hour
Asphalt	44.07					4.41		5.00	1
Slurry		16.67					1.39	2.00	1
ABC			0.00			0		0.00	1
Concrete					0.00		0.00	0.00	1
								7.00	7.00
								TOTAL TRKS	TOTAL HRS
10 Wheel	1.00	1	\$ 652.00	\$ 652.00					
			\$ -	\$ -					
			\$ -	\$ -					
			\$ -	\$ -					
TRAVEL	4.00		\$ 65.00	\$ 260.00					

Travel to & From Jobsite (hrs) 4  
Travel for this project (hrs) 4.00

Total Cost \$ 912.00

### DUMP FEE

# Loads	\$/Load	Total
6	\$ 15.00	\$ 90.00

Total Cost \$ 90.00

**Project Name:**

**NRI Rehab - Phase 5 FMP**

**City:**

**Pima County Regional Wastewater Reclamation**

**DATE:**

**10/27/2014**

**Document Name:**

**FMP Phase 5 - Estimate Recap**

See Bid Item 1.3 on Exhibit A.3 or Exhibit A.12.a for the Cost Summary

Production Task Items Labor	33,600.32	SUBTOTAL COLUMN #1	223,520.44
Overtime (0%)	-	PRODUCTION EQUIP	38,708.05
Cost for I-Beam Supports at Wash	27,371.36	INSTALL/REMOVE EQUIP	124,580.85
FMP Mobilization/Demobilization	16,100.00	TOTAL DIRECT COSTS	386,809.34
Bypass Setup/Teardown Labor	76,445.16	Bypass MUP	
Equipment Rental During Setup	70,003.60	FMP Setup/Teardown Subtotal	386,809.34
SUBTOTAL COLUMN #1	<u>223,520.44</u>		
		<b>FMP Installation/Removal Cost</b>	<b>\$ 386,809</b>
<b># DAYS RUN TIME IN WORKSHEET</b>	<b>40.00</b>	<b>FMP Rental &amp; Operation Cost</b>	<b>\$ 512,346</b>
		<b>FMP PHASE 5 COST</b>	<b>\$ 899,156</b>



Project Name:  
DATE:  
Utility:  
Document name:

NRI Rehab - Phase 5 FMP  
10/27/2014

Flow Management - Production Task Items

**Trenching**

**Crew**

**Equipment**

Discharge Structure	245 lf	/ day	0.00 days @	2,600.00		1,200.00	
Street Crossings	ea		0.00 days @	2,600.00		1,200.00	
Excavate Suction pit	1 ea	/ day	days @	1,800.00		2,500.00	
Cut pipe top	ea	/ day	days @	1,200.00		850.00	
Tie Rebar	Ls	/ day	days @	1,150.00		250.00	
Const Yard	lf	/ day	days @	1,700.00		850.00	
TRENCH PREP	lf	125 / day	days @	1,000.00		500.00	
TRENCH B-FILL	lf	125 / day	days @	1,000.00		450.00	
<hr/>							
Pull In Discharge Pipe - 7800 LF x 3 runs	23400 lf	4500 / day	5.20 days @	1,789.44	9,305.09	1,897.44	9,866.69
Pull In Discharge Pipe Delays @ River Path under Swan & Alvernon Crossing		/ day	2.00 days @	1,789.44	3,578.88	1,897.44	3,794.88
Misc.	lf	/ day	days @	1,789.44		1,897.44	
Remove Discharge Pipe	20000 lf	5000 / day	4.00 days @	1,789.44	7,157.76	1,897.44	7,589.76
Unload & Stage HDPE Pipe	lf	/ day	3.00 days @	833.70	2,501.10	1,302.40	3,907.20
Move Pump Station - Laterals during CIPP Lining	3 Ea	1 / day	1.00 days @	1,221.12	1,221.12	1,444.64	1,444.64
Install/Remove Plugs	3 ea	3 / day	1.00 days @	1,221.12	1,221.12	820.40	820.40
R/R Cones	2 ea	/ day	days @	1,000.00		500.00	
Discharge Pit	ea	/ day	days @	1,500.00		750.00	
Splice Pits/ TIE INS	ea	/ day	days @				
Landscape	ea	/ day	days @	1,100.00		350.00	
Clean Up Site after FMP Removal	lf	/ day	4.00 days @	1,493.81	5,975.25	1,592.56	6,370.24
Set/Remove I-Beam Pipe Supports at Pedestrian Bridge			2.00 days @	1,320.00	2,640.00	2,457.12	4,914.24

**COMPACTION**

mech	lf	/ day	days @	1,200.00		750.00	
Water	lf	/ day	days @				

**Pavement**

small	lf	/ day	days @	2,200.00		1,500.00	
7Th large	lf	/ day	days @	2,400.00		2,500.00	

**Supervision**

0.00 days @ 650.00 75.00

TOTAL LABOR: 33,600.32 EQUIP: 38,708.05

Project Name:

NRI REHAB - FMP PHASE 5 ESTIMATE

DATE:

10/27/2014

## BYPASS LABOR &amp; EQUIPMENT FOR FUSING PIPE &amp; REMOVAL

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	0.32	0	42.24
Operator	2	8	HR	\$ 33.00	\$ 528.00	25	10.24	0.00	33.00
Laborer	3	8	HR	\$ 26.40	\$ 633.60	20	8	0.00	26.40
Fusion Technician	1	8	HR	\$ 52.80	\$ 422.40	40	6.4	0.00	52.80
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	12.8	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Crew Trucks	3	8	DAY	\$ 28.89	\$ 693.36			0.00	
Generator	1	8	HR	\$ 16.19	\$ 129.52				
Compressor	1	8	HR	\$ 18.96	\$ 151.68				
Ingersol Rand 10k Forklift	2	8	HR	\$ 57.16	\$ 914.56				
JCB Mini Forklift	1	8	HR	\$ 31.44	\$ 251.52				
McElroy 618 Fusion Machine	2	8	HR	\$ 56.25	\$ 900.00				
CAT 420E Backhoe	2	8	HR	\$ 41.93	\$ 670.88				
20 ft. trailer	2	8	HR	\$ 4.75	\$ 76.00				
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56				

LABOR	EQUIP
\$ 2,164.80	\$ 4,440.08
\$ 2,608.32	\$ 4,440.08

3	HRS/MAN	DAILY TOTAL	\$ 6,604.88
		Daily OT	\$ 443.52
		DAILY TOTAL W/ OT	\$ 7,048.40

## BYPASS LABOR &amp; EQUIPMENT FOR PUMPS &amp; MANIFOLD INSTALLATION

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Foremen	1	8	HR	\$ 42.24	\$ 337.92	32	0.32	0	42.24
Operator	2	8	HR	\$ 33.00	\$ 528.00	25	10.24	0.00	33.00
Laborer	3	8	HR	\$ 26.40	\$ 633.60	20	8	0.00	26.40
Truck Driver	1	8	HR	\$ 30.36	\$ 242.88	23	6.4	0.00	30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Crew Trucks	2	8	DAY	\$ 28.89	\$ 462.24				
Generator	1	8	HR	\$ 16.19	\$ 129.52				
Compressor	1	8	HR	\$ 18.96	\$ 151.68				
Ingersol Rand 10k Forklift	2	8	HR	\$ 57.16	\$ 914.56				
McElroy 618 Fusion Machine	1	8	HR	\$ 56.25	\$ 450.00				
20 ft. trailer	1	8	HR	\$ 4.75	\$ 38.00				
10 Wheeler/Onsite Transport	1	8	HR	\$ 81.57	\$ 652.56				

LABOR	EQUIP
\$ 1,742.40	\$ 2,798.56
\$ 1,940.40	\$ 2,798.56

2	HRS/MAN	DAILY TOTAL	\$ 4,540.96
		Daily OT	\$ 198.00
		DAILY TOTAL W/ OT	\$ 4,738.96

# PUMP WATCH ONLY LABOR

	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Profit	Total
Pump Operators	6	12	HR	\$ 39.60	\$ 2,851.20	30	0.32	0.00	39.60
Pipe Monitor	4	12	HR	\$ 29.04	\$ 1,393.92	22	7.04	0.00	29.04
Fuel Truck Driver	1	4	HR	\$ 30.36	\$ 121.44	23	7.36	0.00	30.36
LABOR SUBTOTAL					\$ 4,366.56	4 Pump Operators			
Overtime Hours Per Person/Per Day (12 Hour Shifts = 4 Hours Daily overtime)					\$ 686.40	2 Pipe Monitors = 2 for mainline discharge pipe = 7800 LF in length			
						1 Fuel Truck Driver for Refueling Pumps			
LABOR TOTAL					\$ 5,052.96	*Pump Operators & Pipe Monitors on 12 hour shifts for each employee = 10 personnel per day			

# PUMP WATCH ONLY EQUIPMENT

FMP Station Tool Truck	2	12	HR	\$ 28.89	\$ 693.36
Light Tower	2	12	HR	\$ 10.20	\$ 244.80
185 Air Comp.	1	8	HR	\$ 18.96	\$ 151.68
Fuel Truck/Oil & Lube	1	4	HR	\$ 65.00	\$ 260.00
TOTAL					\$ 1,349.84

# FUEL CONSUMPTION - Pumps

Pump station #	Size	Quan HRS	# PUMPS	GAL/HR	\$ Daily Cost	4.15 Diesel Cost cost per month
2AM / 6AM		4	3	3.90	\$ 194.22	\$ 5,826.60
6AM / 11AM		5	5	5.85	\$ 806.94	\$ 18,208.13
11AM / 8PM		9	4	5.85	\$ 873.99	\$ 26,219.70
8PM / 2AM		6	4	3.90	\$ 388.44	\$ 11,653.20
Total Gallons				497.25	\$ 2,063.59	\$ 61,907.63
TOTAL FUEL PER MONTH W/ MUP						\$ 61,907.63

Pump Fuel Consumption Table			
	Engine Load		
	100.00%	75.00%	50.00%
CD100M	1.21	0.91	0.61
CD150M	3.82	2.87	1.91
CD225M	4.90	3.68	2.45
DPC300	7.80	5.85	3.90
CD300M	10.10	7.58	5.05

# PLUGS

Pump station #	Size	Quan	MH #	PIPE	monthly rental	cost per month
	24	0	Eastm	D/S EAST	\$ 1,200.00	\$ -
	18	0		D/S EAST	\$ 700.00	\$ -
	15"	0	Suction MH		\$ 650.00	\$ -
	45	0	DISCH	D/S EAST	\$ 1,350.00	\$ -
	33	0		D/S SOUTH	\$ 1,200.00	\$ -
	36	0	scdn pit	D/S East	\$ 1,200.00	\$ -
	12	0		fl thru	\$ 500.00	\$ -
	10	0	misc	fl thru	\$ 450.00	\$ -
	8	0	misc	fl thru	\$ 400.00	\$ -
	18" w/ 12"			fl thru	\$ 750.00	\$ -
					\$	\$ -

# PUMP/PIPE/FITTING RENTAL

Design Flow based on :

Peak PPF Redundancy  
0

Pump station #	Qty/Type	Size	PipeQuan	# PUMPS	Unit	mth Cost	cost per month
PUMPS	CD300M	12"			EA	\$ 6,500.00	\$ -
PUMPS	DPC300	12"		5	EA	\$ 6,000.00	\$ 30,000.00
PUMPS	CD225M	8"			EA	\$ 4,000.00	\$ -
PUMPS	CD150M	6"		2	EA	\$ 3,000.00	\$ 6,000.00
PUMPS	CD100M	4"		2	EA	\$ 2,100.00	\$ 4,200.00
PUMPS	GSP80	4"			EA	\$ 840.00	\$ -
PUMPS	GSP60	3"			EA	\$ 840.00	\$ -
PIPE	DR11	8"	0		LF	\$ 1.20	\$ -
PIPE	DR26	12"			LF	\$ 1.80	\$ -
PIPE	DR26	18"	12400		LF	\$ 2.50	\$ 31,000.00
Generator	0				EA	\$ 1,500.00	\$ -
Spill Berm	0				EA	\$ 215.00	\$ -
Water Crossing	2	12"			EA	\$ 900.00	\$ 1,800.00
Manifolds	5				EA	\$ 450.00	\$ 2,250.00
VALVES	12				EA	\$ 225.00	\$ 2,700.00
SUCT TUBES	5				EA	\$ 600.00	\$ 3,000.00
Metal Traffic Plates					EA	\$ 114.66	\$ -
HOSES	12				EA	\$ 240.00	\$ 2,880.00
FITTINGS, VICTAULIC, SPOOLS	50				EA	\$ 16.00	\$ 800.00
MISC	0				LS	\$ 250.00	\$ -
ARI Air Relief Valves	5				EA	\$ 330.72	\$ 1,653.60
Pressure Transducer in MH	0				EA	\$ 280.00	\$ -
PUMP SERVICE	15				EA	\$ 350.00	\$ 5,250.00
MECHANIC	40				HRS	\$ 95.00	\$ 3,800.00
PLUGS				1	LS	\$ -	\$ -

\*\*12,400 LF of 18" Pipe = 3 each runs at 7800 LF = 23,400 LF Pipe total minus 11,000 LF of 18" pipe purchased = 12,400 LF of rental pipe

Subtotal \$ 95,333.60  
Overtime Pump Cost \$ 26,250.00  
Total Cost \$ 121,583.60

RATE FOR RENTAL HDPE PIPE & COMPONENTS WHILE PERFORMING SET-UP & TAKE-DOWN (1 month) \$ 43,203.60  
RATE FOR RENTAL PUMPS WHILE PERFORMING SET-UP & TAKE-DOWN (2 Weeks) \$ 26,800.00  
TOTAL Equipment Rental During Setup/Teardown \$ 70,003.60

## PUMP & EQUIPMENT MOBILIZATION/DEMOBILIZATION

Type	Quantity	# PER TRIP	TRIPS	\$ PER TRIP	TOTAL
12" Pumps	5	2	3	\$ 300.00	\$ 900.00
4" & 6" Pumps	4	1	4	\$ 100.00	\$ 400.00
Forklift	2	1	2	\$ 300.00	\$ 600.00
Backhoe	3	1	3	\$ 300.00	\$ 900.00
FMP Components (Hoses, Ftg's, Valves, Manifolds, Plugs, Etc)	6	1	10	\$ 225.00	\$ 2,250.00
				TOTAL	\$ 5,050.00

## PIPE MOBLIZATION & DEMOBILIZATION

LF OF PIPE	LF PER TRIP	TRIPS	\$ PER TRIP	TOTAL
8"	0	2400	0.00	\$ -
12"		1650	0.00	\$ -
18"	12400	1250	10.00	\$ 3,000.00
			TOTAL	\$ 3,000.00

TOTAL MOBILIZATION & DEMOBILIZATION \$ 16,100.00

Pump & Pipe Rates	
	List Rate
CD300M	\$ 7,000.00
DPC300	\$ 6,300.00
CD225M	\$ 4,000.00
CD150M	\$ 3,300.00
CD100M	\$ 2,675.00
GSP80	\$ 1,000.00
GSP60	\$ 1,000.00
8" DR11	\$ 1.00
12" DR26	\$ 1.75
18" DR26	\$ 2.50

## 12-inch DPC300 Pumps

Days/Month	30	Hours/Day	24	Total Monthly Hours	720
Regular Time Pump Hours/Month				192 (Equal to 48 Hours/Week)	
Overtime Hours				320 (Equal to 720 Total Hours - 192 Hours for	
Total Hours Per Month	720	Regular Hours	384	O/T Hours	336
				Pump Qty	3
O/T Hourly Run Rate - CD150M	\$	15.63			
Pump Overtime Hours		1440			
Total Pump O/T Costs	\$	22,500.00			

## 6" CD150M Pumps

Days/Month	30	Hours/Day	24	Total Monthly Hours	720
Regular Time Pump Hours/Month				192 (Equal to 48 Hours/Week)	
Overtime Hours				320 (Equal to 720 Total Hours - 192 Hours for	
Total Hours Per Month	720	Regular Hours	364	O/T Hours	336
				Pump Qty	1
O/T Hourly Run Rate - CD150M	\$	7.81			
Pump Overtime Hours		480			
Total Pump O/T Costs	\$	3,750.00			

### FUSING PIPE INSTALLATION

	LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR	
8"	800	16	4	4	24	4	using 2 fusers
12"	0	0	0	0	0	4	
18"	23400	468	20	20	508	4	
	TOTAL FUSING HRS	133.00					
	8HR DAYS	# DAYS					Additional & Misc. Fuses at elbows, manifolds, fittings, etc
		16.63					
	DAILY RATE	# DAYS	TOTAL COST				
	\$ 7,048.40	16.63	\$ 117,179.65				

### INSTALL PUMPS & MANIFOLDS & HYDROSTATIC TEST HDPE DISCHARGE PIPE

# OF PUMPS	Setup/Days	Hydrostatic Testing Days		# Days for Setup	# Days Testing
9	4	2		4	3
LABOR & EQUIP	\$ 4,738.96		Main Suction Pit @ 1712-02- 5 each 12" pumps	0.5	0.25
			8" Private SS Lateral @ 1710-13- 2 each 4" Pumps	0.5	0.25
			12" Laterals @ 1710-09 - 2 each 6" Pumps	5	3.5
TOTAL	\$ 28,433.76				
TOTAL INSTALL	\$ 145,613.41				

### CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR REMOVAL

LF OF PIPE	# OF FUSES	ADDNL FUSES	MISC	TOTAL FUSES	# FUSES/HR
24300	468	30	24	540	12
TOTAL FUSING HRS	45				
HR DAYS	# DAYS				
	4.5				
DAILY RATE	# DAYS	TOTAL COST			
\$ 7,048.40	4.5	\$ 31,717.80			

### BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING

# OF PUMPS	# OF DAYS	Pig, Clean & Disinfect Pipe
9	3	2
LABOR & EQUIP	\$ 7,048.40	
TOTAL	\$ 35,242.00	
TOTAL REMOVAL COSTS	\$ 66,959.80	

	EQUIP	LABOR	TOTAL
RATE FOR RENTAL EQ DURING SET-UP			\$ 43,203.60
PIPE MOBILIZATION			\$ 16,100.00
FUSING PIPE INSTALL	\$ 73,816.33	\$ 43,363.32	\$ 117,179.65
INSTALL PUMPS AND MANIFOLDS	\$ 16,791.36	\$ 11,642.40	\$ 28,433.76
CUT DISCHARGE PIPE INTO SECTIONS & PREPARE FOR RE	\$ 19,980.36	\$ 11,737.44	\$ 31,717.80
BREAKDOWN PUMPS & MANIFOLDS, PIGGING & CLEANING	\$ 13,992.80	\$ 9,702.00	\$ 23,694.80

\$ 124,580.85 \$ 76,445.16 \$ 260,329.61

**FMP RENTAL, LABOR & EQUIPMENT COSTS WHILE RUNNING**

Run Time of 40 DAYS NOTE: The run time totals go to the RECAP sheet totals.

RUN SYSTEM	# days	Cost/day	TOTAL
FUEL	40	\$ 2,063.59	\$ 82,543.50
FMP COMPONENT RENTAL (pumps, pipe, valves, etc)	40	\$ 4,342.27	\$ 173,690.86
PUMP WATCH ONLY EQUIPMENT	40	\$ 1,349.84	\$ 53,993.60
PUMP WATCH ONLY LABOR	40	\$ 5,052.96	\$ 202,118.40

# Days 40  
# months 1.428571429

**TOTAL RUN COST \$ 512,346.36**

**DAILY COST \$ 12,808.66**

**BREAKDOWN OF FMP RUN DAYS**

ACTIVITY	# DAYS	
Cleaning Work	4	
CCTV	3	
CIPP	12	Includes Test Section
MH Rehab	15	
MH Reconstruct/Replace	0	
NRI Diversion Structure & ADEQ D	6	Utilize days for mh rehab
<b>Total Days</b>	<b>40</b>	

Diversion Structure to run concurrently with CIPP Lining  
Additional days for ADEQ Discharge Authorization

**Project Name:** NRI Rehab - Phase 5 FMP  
**City:** Pima County Regional Wastewater Reclamation Department  
**DATE:** 10/27/2014  
**Document Name:** FMP Phase 5 - AC Restoration, ABC, Plates, Etc.

Production Task Items Labor	11,708.55	Asphalt	5,466.82
		Sawcutting	1,770.00
SUBTOTAL COLUMN #1	<u>11,708.55</u>	Milling for Plates	600.00
		Slurry	1,111.11
		ABC Subgrade	\$750.00
		Trucking / Hauling	2,736.00
		Traffic Plate Rental	8,162.40
		Dump Fees	150.00
		SUBTOTAL COLUMN #2	<u>20,746.33</u>
		SUBTOTAL COLUMN #1	11,708.55
		Production Task Items Equip	9,066.20
		TOTAL DIRECT COSTS	41,521.08
		<b>SUBTOTAL</b>	<b>41,521.08</b>

## PRODUCTION TASK ITEMS FOR ASPHALT RESTORATION & TRENCHING

**Project Name:** North Rillito Interceptor Rehabilitation Project 3NRI14  
**DATE:** Tucson  
**Utility:** 10/27/2014  
**Document name:** Phase 5 Asphalt Restoration

<u>TRENCHING &amp; ASPHALT REPLACEMENT ITEMS</u>				<u>Crew</u>	<u>Equipment</u>		
Trench Driveway & Road Crossing:	235 lf	100 / day	2.35 days @	1,493.00	3,508.55	1,592.00	3,741.20
Clean Up	_____ lf	/ day	1.00 days @	1,000.00	1,000.00	450.00	450.00
<b>COMPACTION</b>							
Mechanical Compaction	lf	/ day	0.50 days @	1,200.00	600.00	750.00	375.00
<b>Pavement</b>							
Asphalt Patching	_____ lf	/ day	3.00 days @	2,200.00	6,600.00	1,500.00	4,500.00
TOTAL LABOR:					<b>11,708.55</b>	EQUIP:	<b>9,066.20</b>



Project Name: North Rillito Interceptor Rehabilitation Project 3NRI14  
 DATE: Tucson  
 Utility: 10/27/2014  
 Document name: Phase 5 Asphalt Restoration from FMP Discharge Pipe at Driveway & Road Crossings

#### PAVING PATCHES FOR FMP DISCHARGE PIPE AT DRIVEWAY & ROAD CROSSINGS

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
Emeritus Assisted Living Facility - Parking Area	135	5	6	1	25.00	4.17	75
Park Driveway off River #1	50	5	6	1	9.26	1.54	28
Park Driveway off River #2	50	5	6	1	9.26	1.54	28
River Rd. at Alvemon	60	10	8	1	29.63	3.70	67
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0
					0.00	0.00	0

Price per Ton  
 Asphalt Per Ton \$65.00

Totals	295	25					
					TOTAL SY	197	
					Tons Asphalt	73.15	
					Tons C Mix 1"	10.95	
					Asphalt Cost	\$ 4,754.63	
					C Mix 1" Cost	\$ 712.19	
					Total Cost	\$ 5,466.82	

#### MILLING FOR TRENCHING

LOCATION	ft. LENGTH	ft. WIDTH	in. DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
River Rd. & Alvemon	60	10	1	1	3.70	3.70	67

TOTAL SY	67
Tons Asphalt	3.70
Tons C Mix 1"	3.70

Asphalt Cost	\$ 240.74
C Mix 1" Cost	\$ 240.74

Totals	60	10					
					Total Cost	\$ 481.48	

#### PAVING FOR MANHOLES

MANHOLE LOCATION	ft. LENGTH	ft. WIDTH	INCHES DEPTH	QUAN.	ASPHALT	C MIX 1"	SQ YD
	0	0	0	0	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0
	0	0	6	1	0.00	0.00	0

TOTAL SY	0
Tons Asphalt	0.00
Tons C Mix 1"	0.00

Asphalt Cost	\$ -
C Mix 1" Cost	\$ -

Total Cost	\$ -
------------	------

# TEMPORARY PLATES OVER FMP DISCHARGE PIPE AT DRIVEWAYS & ROAD CROSSINGS

SIZE	QUANTITY	DAYS	RATE	TOTAL
5 x 12 Metal Traffic Plates	12	60	\$ 10.92	\$ 7,862.40
(2 month rental for Phase 1)				
Pick/Up & Delivery	2		\$ 150.00	\$ 300.00

Total Cost \$ 8,162.40

# MILLING FOR PLATES

Location	QUAN	FT/DAY	#DAYS	\$/DAY	TOTAL
	1	600	0.5	\$ 1,200.00	\$ 600.00

Total Cost \$ 600.00

# SAWCUT ASPHALT FOR FMP DISCHARGE PIPE CROSSINGS

SAWCUT	LENGTH	Sides	\$/LF	TOTAL
TRENCH	295.00	2	3	\$ 1,770.00

Total Cost \$ 1,770.00

# CONCRETE

Type of Concrete Work	Cost Per Unit	Length	Width	SQ FT	SF per CY	LF per CY	HAUL OFF CY
Sidewalk 4" (SF)	\$ 10.00	0	4	0	81		0.00
Dwy 9" (SF)	\$ 12.00	0	4	0	36		0.00
Valley Gutter 6" (SF)	\$ 9.00	0	3	0	54		0.00
C&G (LF)	\$ 26.50	0	N/A	N/A		22	0.00
Extruded Curb (LF)	\$ 25.00	0	N/A	N/A		31	0.00
							0.00

Total Cost \$ -

### SLURRY

Location	LENGTH	WIDTH	DEPTH	QUANT.	TOTAL CY
River & Alvernon way	50	5	2	1	18.52
	0	0	0	1	0.00

	\$/Yard
1/2 Sack	\$60.00
1 Sack	\$65.00

TOTAL CY 18.52

Total Cost \$ 1,111.11

### ABC BACKFILL

Location	Length	Width	Depth	Quantity	Total Tons
Ermentus Assisted Living	135	5	18	1	75.00
	0	0	0	0	0.00
	0	0	0	0	0.00

	\$/TON
PAG Spec ABC	\$10.00

Total Tons 75.00  
Total Cost \$750.00

### TRUCKS

Amount to haul off	Tn AC	CY 1 sack	Tn ABC	Tn ABC	CY Conc	10 TN / trklload	12 CY / trklload	# of Trucks	Trips/hour
Asphalt	91.51					9.15		10.00	1
Slurry		18.52					1.54	2.00	1
ABC			75.00			7.5		8.00	1
Concrete					0.00		0.00	0.00	1

20.00	20.00
TOTAL TRKS	TOTAL HRS

Truck Type	8 HR Days	Qty	\$/Day	Total
10 Wheel	3.00	1	\$ 652.00	\$ 1,956.00
			\$ -	\$ -
			\$ -	\$ -
TRAVEL	12.00		\$ 65.00	\$ 780.00

Travel to & From Jobsite (hrs) 4  
Travel for this project (hrs) 12.00

Total Cost \$ 2,736.00

### DUMP FEE

# Loads	\$/Load	Total
10	\$ 15.00	\$ 150.00

Total Cost \$ 150.00