



BOARD OF SUPERVISORS AGENDA ITEM REPORT **CONTRACTS / AWARDS / GRANTS**

Requested Board Meeting Date: May 2, 2017

or Procurement Director Award ☐

Contractor/Vendor Name (DBA): Borderland Construction Company, Inc.

Project Title/Description:

Construction Manager At Risk Services For Old Nogales Interceptor / Aerospace Corridor / Park Avenue Sewer Augmentation - Project 3ASC15

Purpose:

Amendment of Award: Contract No. CT-VWW-16-208, Amendment No. One (1). This amendment increases the award amount from \$576,735.21 to \$1,901,946.40 and incorporates Guaranteed Maximum Price No 1 (GMP-1).

GMP-1 pertains to project Phase 3 and provides for coordination of community relations prior to and during construction and for all construction activities for this phase. Due to limited subcontracting opportunities, no Small Business Enterprise (SBE) goal is established for GMP-1.

Administering Department: Regional Wastewater Reclamation.

Procurement Method:

Pursuant to Solicitation For Qualifications No. 187502, the Board of Supervisors awarded a contract for this project on February 16, 2016 in the amount of \$576,735.21 for preconstruction services for a contract term of February 16, 2016 to July 31, 2020.

Attachments: Amendment No. One (1) with GMP-1 attached as "APPENDIX C": Construction Manager at Risk (CMAR) Services for Old Nogales Interceptor / Aerospace Corridor / Park Avenue Sewer Augmentation - Project No. 3ASC15 GMP-1 Construction of Phase 3 Sewer, proposal dated March 30, 2017.

Program Goals/Predicted Outcomes:

To complete project Phase 3 within the stated Scope of Work, under budget and on schedule.

Public Benefit:

Completion of project Phase 3 will prevent sewer overflows within the sewer's service area.

Metrics Available to Measure Performance:

Construction progress meetings, inspection reports and performance evaluations.

Retroactive:

No

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To: COB - 4-26-17 (1)
pgs. 16
Addendum

Procure Dept 04/26/17 PM07:55

Original Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Effective Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
☐ Expense Amount: \$ _____ ☐ Revenue Amount: \$ _____
Funding Source(s): _____

Cost to Pima County General Fund: _____

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No ☐ Not Applicable to Grant Awards
Were insurance or indemnity clauses modified? ☐ Yes ☐ No ☐ Not Applicable to Grant Awards
Vendor is using a Social Security Number? ☐ Yes ☐ No ☐ Not Applicable to Grant Awards

If Yes, attach the required form per Administrative Procedure 22-73.

Amendment Information

Document Type: CT Department Code: WW Contract Number (i.e., 15-123): 16-208
Amendment No.: One (1) AMS Version No.: Five (5)
Effective Date: May 2, 2017 New Termination Date: _____
☒ Expense ☐ Revenue ☒ Increase ☐ Decrease Amount This Amendment: \$ 1,325,211.19
Funding Source(s): Regional Wastewater Reclamation Department Obligations

Cost to Pima County General Fund: \$0.00

Contact: Keith E. Rogers Keith E. Rogers 4-20-17
Department: Procurement Procurement 4/24/17 Telephone: 724-3542
Department Director Signature/Date: [Signature] 4/24/17
Deputy County Administrator Signature/Date: [Signature] 4/25/17
County Administrator Signature/Date: C. D. [Signature] 4/25/17
(Required for Board Agenda/Addendum Items)

**PIMA COUNTY REGIONAL WASTEWATER
RECLAMATION DEPARTMENT**

PROJECT: Construction Manager At Risk Services
for Old Nogales Interceptor / Aerospace
Corridor / Park Avenue Sewer Augmen-
tation – Project 3ASC15

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

CONTRACT NO.: CT-WW-16-208

AMENDMENT NO.: One (1)

FUNDING: Regional Wastewater Reclamation Department
Obligations

CONTRACT	
NO.	CT-WW-16-208
AMENDMENT NO.	01
This number must appear on all invoices, correspondence and documents pertaining to this contract.	

CONTRACT TERM: 02/16/2016 - 07/31/2020	ORIGINAL CONTRACT AMOUNT:	\$	576,735.21
TERMINATION PRIOR AMENDMENT: NA	PRIOR AMENDMENT(S):	\$	-
TERMINATION THIS AMENDMENT: 07/31/2020	AMOUNT THIS AMENDMENT:	\$	1,325,211.19
	REVISED CONTRACT AMOUNT:	\$	1,901,946.40

CONSTRUCTION CONTRACT AMENDMENT

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

WHEREAS, construction of the project was anticipated to be conducted in multiple phases; and

WHEREAS, construction of project Phase 3 shall be conducted first while design of Phase 1 and Phase 2 continues; and

WHEREAS, GMP-1 shall pertain to project Phase 3; and

WHEREAS, COUNTY and CONTRACTOR, pursuant to Article 2, have agreed to incorporate Guaranteed Maximum Price-1 (GMP-1) into the contract for all Phase 3 activities, including coordination of community relations prior to and during construction and for all construction activities; and,

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

WHEREAS, COUNTY and CONTRACTOR pursuant to Article 3 have agreed to increase the Contract amount as identified in GMP-1.

NOW, THEREFORE, it is agreed as follows:

CHANGE: ARTICLE III – PRECONSTRUCTION PHASE FEE AND GUARANTEED MAXIMUM PRICE

Insert after Paragraph B:

Guaranteed Maximum Price-1 (GMP-1) for all construction activities and coordination of community relations prior to the commencement of construction and during construction as identified in APPENDIX "C" is One Million, Three Hundred Twenty-Five Thousand, Two Hundred Eleven Dollars and Nineteen Cents (\$1,325,211.19). COUNTY reserves the right to negotiate the construction fee, overhead rate, and all other elements of future GMPs, if any.

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ADD: AS APPENDIX "C"

APPENDIX "C": Construction Manager at Risk (CMAR) Services for Old Nogales Interceptor / Aerospace Corridor / Park Avenue Sewer Augmentation - Project No. 3ASC15 GMP-1 Construction of Phase 3 Sewer, proposal dated March 30, 2017 (14 pages, attached).

This Amendment shall be effective on May 2, 2017.

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

Todd Adams, Vice President

Name and Title (Please Print)

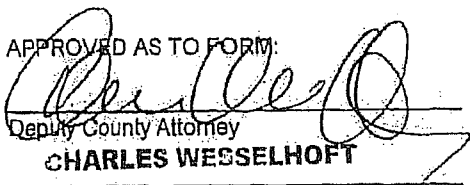
04/25/17

Date

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:



Deputy County Attorney
CHARLES WESSELHOFT

Printed Name

APR 21 2017

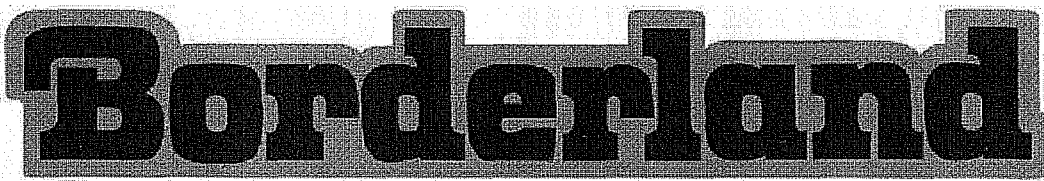
Date

APPENDIX “C”

**Construction Manager at Risk (CMAR) Services for Old Nogales Interceptor /
Aerospace Corridor / Park Avenue Sewer Augmentation – Project No. 3ASC15**

GMP-1 Construction of Phase 3 Sewer, Proposal Dated March 30, 2017

(14 pages)



HEAVY ENGINEERING CONTRACTORS • CONSTRUCTION MANAGEMENT • CMAR

March 30, 2017

Francisco Duchicela, P.E. – CIP Project Manager
Pima County Regional Wastewater Reclamation Department
3355 N. Dodge Blvd.
Tucson, AZ 85716

RE: RWRD Project: Old Nogales Interceptor / Aerospace Corridor / Park Avenue Sewer Augmentation
RWRD Project No: 3ASC15
RWRD Contract No: CT-WW-16-208

SUBJECT: GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)
PROPOSAL & SUPPORTING EXHIBITS

Dear Mr. Duchicela,

We are pleased to submit our Guaranteed Maximum Price Proposal #1 (GMP #1), in accordance with the Pre-construction Phase Services Contract on the Old Nogales Interceptor / Aerospace Corridor / Park Avenue Sewer Augmentation Project No. 3ASC15. Attached to this cover letter you will find Borderland Construction Company, Inc.'s GMP #1 Proposal Package dated March 30, 2017, for this Construction Manager at Risk (CMAR) project.

Borderland proposes to complete the work associated with GMP #1 for a not-to-exceed amount of **\$1,325,211.19**.

The Borderland team 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 me at (520) 623-0900.

Sincerely,

Todd Adams – Vice President
t.adams@borderland-inc.com
Borderland Construction Company, Inc.



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

GMP #1 - SUMMARY

Pima County Regional Wastewater Reclamation Department
 Old Nogales Interceptor/Aerospace Corridor/Park Avenue Sewer Augmentation
 PCRWRD Project Number: 3ASC15

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

CONSTRUCTION	AMOUNT
CONSTRUCTION COSTS:	
I. Cost of Construction	\$ 896,183.39
II. CMAR Contingency	\$ 44,809.17
SUBTOTAL <i>(Direct Construction Costs)</i>	\$ 940,992.56
INDIRECT CONSTRUCTION COSTS:	
III. General Conditions	\$ 54,506.20
IV. Overhead	\$ 93,875.53
V. Railroad Insurance <i>(N/A for Phase 3)</i>	\$ -
VI. General Liability Insurance	\$ 3,289.69
VII. Payment and Performance Bonds	\$ 9,364.10
SUBTOTAL <i>(Direct Cons. Cost + Gen Cond + Overhead + Insurance + Bonds)</i>	\$ 1,102,028.08
VIII. Construction Fee	\$ 54,468.71
SUBTOTAL <i>(Direct Cons. Cost + Gen Cond + Overhead + Insurance + Bonds + Fee)</i>	\$ 1,156,496.79
IX. Arizona Gross Receipts Tax	\$ 60,889.56
GUARANTEED MAXIMUM PRICE (GMP)	\$ 1,217,386.35
OTHER PROJECT COSTS:	
X. Owner's Contingency	\$ 107,824.84
TOTAL CONTRACT COST	\$ 1,325,211.19

For supporting documentation - see also:

Attachment #1 - Schedule of Values

Attachment #2 - Scope of Work

Attachment #3 - Clarifications, Assumptions, and Exclusions to the scope of work

Attachment #4 - Anticipated Construction Schedule

Attachment #5 - Cash-flow Forecast

Attachment #6 - Subcontractor List

Attachment #7 - Anticipated Milling Limits



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #1 - SCHEDULE OF VALUES

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

Item No.	Item Description	Unit	Quantity	Unit Cost	Extended Amount
1	I. COST OF CONSTRUCTION - LINE ITEMS				
2	MOBILIZATION PHASE 3	LS	1	\$ 15,239.66	\$ 15,239.66
3	SWPPP	LS	1	\$ 9,264.86	\$ 9,264.86
4	REMOVE 8" SEWER	LF	1128	\$ 20.31	\$ 22,909.68
5	REMOVE SEWER MANHOLES	EA	4	\$ 959.06	\$ 3,836.24
6	REMOVE 4" HCS	EA	16	\$ 396.57	\$ 6,345.12
7	8" AND 10" PVC SEWER	LF	1442	\$ 99.53	\$ 143,522.26
8	4" PVC HCS	EA	15	\$ 2,177.95	\$ 32,669.25
9	CONNECT NEW HCS TO EXISTING HCS (IN STREET NO CLEANOUTS)	EA	15	\$ 549.00	\$ 8,235.00
10	CONNECTION TO EXISTING MH 1751-10 (NO COATINGS)	EA	1	\$ 4,786.02	\$ 4,786.02
11	4' DIAMETER MANHOLE CAST IN PLACE (NO COATINGS)	EA	3	\$ 5,963.69	\$ 17,891.07
12	4' DIAMETER MANHOLE OVER EXISTING 8" (NO COATINGS)	EA	2	\$ 6,563.71	\$ 13,127.42
13	4' DIAMETER MANHOLE CAST IN PLACE (W/ COATING)	EA	1	\$ 15,563.98	\$ 15,563.98
14	6' DIVERSION STRUCTURE CAST IN PLACE OVER 10" IN PARK AVE (W/ COATING)	EA	1	\$ 42,871.07	\$ 42,871.07
15	REPAIR TO MANHOLE 1751-10 (TO BE DIRECTED BY RWRD)(ALLOWANCE)	LS	1	\$ 5,000.15	\$ 5,000.15
16	UTILITY POTHOLING	EA	14	\$ 763.26	\$ 10,685.64
17	2" MILL AND REPAVE DREXEL/PARK INTERSECTION W/TDOT#2 MIX (CURB TO CURB)(NO CRACK SEALING)	SY	8900	\$ 14.01	\$ 124,689.00
18	REPAIR FAILING ASPHALT OVER RECLAIMED LINE (ALLOWANCE)	SY	533	\$ 53.54	\$ 28,536.82
19	ASPHALT TRENCH REPLACEMENT (4" AC ON 6"ABC)	SY	1400	\$ 44.28	\$ 61,992.00
20	ASPHALT REPLACEMENT 4" AC W/ SLURRY (FOR BYPASS TRENCHES)	SY	56	\$ 159.32	\$ 8,921.92
21	THERMOPLASTIC STRIPING AND PAVEMENT MARKINGS	LS	1	\$ 11,690.35	\$ 11,690.35
22	PRELOWER MANHOLE (ALL TYPES)	EA	12	\$ 292.61	\$ 3,511.32
23	PRELOWER SURVEY MONUMENTS	EA	3	\$ 127.04	\$ 381.12
24	PRELOWER WATER VALVE BOX AND COVER	EA	13	\$ 153.80	\$ 1,999.40



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #1 - SCHEDULE OF VALUES

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

Item No.	Item Description	Unit	Quantity	Unit Cost	Extended Amount
25	CONCRETE MANHOLE COLLAR 211	EA	12	\$ 475.01	\$ 5,700.12
26	ADJUST WATER VALVE BOX FRAME AND COVER	EA	13	\$ 339.09	\$ 4,408.17
27	SURVEY MONUMENT	EA	3	\$ 302.60	\$ 907.80
28	BYPASS PUMPING OF 10" IN PARK	DY	21	\$ 1,496.58	\$ 31,428.18
29	BYPASS SETUP / TEAR DOWN OF 10" IN PARK	EA	1	\$ 22,423.80	\$ 22,423.80
30	FLOW THROUGH PLUGS IN 18" ONH AT 1ST	EA	1	\$ 6,831.78	\$ 6,831.78
31	WET VACTOR TRAILER (ALLOWANCE) (SOUTHLAND AND MORRIS)	LS	1	\$ 4,000.00	\$ 4,000.00
32	STREET SIGN (ALLOWANCE)	LS	1	\$ 500.00	\$ 500.00
33	LOOP DETECTORS (PARK AND DREXEL)	EA	7	\$ 3,600.00	\$ 25,200.00
34	12" WATER CHANGE OUTS TO DIP (IN PARK AVE W/ASPHALT PATCH)	EA	1	\$ 54,449.19	\$ 54,449.19
35	TRAFFIC CONTROL	LS	1	\$ 55,000.00	\$ 55,000.00
36	PUBLIC RELATIONS	LS	1	\$ 32,965.00	\$ 32,965.00
37	SURVEYING AND AS-BUILTS	LS	1	\$ 21,640.00	\$ 21,640.00
38	COMPACTION / CONCRETE TESTING	LS	1	\$ 21,318.00	\$ 21,318.00
39	CONSTRUCTION WATER	MGAL	2292	\$ 6.00	\$ 13,752.00
40	PERMIT FEES (ALLOWANCE)	LS	1	\$ 1,990.00	\$ 1,990.00
41	COST OF CONSTRUCTION - LINE ITEMS SUBTOTAL				\$ 896,183.39
42	II. CMAR CONTINGENCY (5% of LINE ITEM SUBTOTAL)	LS	1	\$ 44,809.17	\$ 44,809.17
43	SUBTOTAL A. (DIRECT CONSTRUCTION COSTS)				\$ 940,992.56
44	INDIRECT CONSTRUCTION COSTS				
45	III. GENERAL CONDITIONS				
46	PROJECT MANAGER 50%	WK	4	\$ 3,375.00	\$ 13,500.00
47	FIELD ENGINEER(50%)	WK	4	\$ 2,637.60	\$ 10,550.40
48	SUPERINTENDENT	WK	8	\$ 2,907.60	\$ 23,260.80
49	DRINKING WATER	WK	8	\$ 25.00	\$ 200.00
50	PORTABLE RESTROOMS	MO	2	\$ 360.00	\$ 720.00
51	SMALL TOOLS	WK	8	\$ 300.00	\$ 2,400.00
52	PROJECT PHOTOGRAPHY BEFORE/AFTER	MO	2	\$ 100.00	\$ 200.00
53	LOT RENTAL/TEMP FENCE RENTAL	MO	3	\$ 1,225.00	\$ 3,675.00
54	SUBTOTAL B. (III. GENERAL CONDITIONS)				\$ 54,506.20
55	SUBTOTAL C. (DIRECT COSTS + GENERAL CONDITIONS)				\$ 995,498.76



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #1 - SCHEDULE OF VALUES

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

Item No.	Item Description	Unit	Quantity	Unit Cost	Extended Amount
56	IV. CMAR OVERHEAD (9.43% of Subtotal C)	LS	1	\$ 93,875.53	\$ 93,875.53
57	SUBTOTAL D. (DIRECT COSTS + GENERAL CONDITIONS + OVERHEAD)				\$ 1,089,374.29
58	VIII. CONSTRUCTION FEE (5% of Subtotal D)	LS	1	\$ 54,468.71	\$ 54,468.71
59	V. RAILROAD INSURANCE	LS		\$ -	\$ -
60	VI. GENERAL LIABILITY INSURANCE (0.2876% of Subtotal D + V + VIII)	LS	1	\$ 3,289.69	\$ 3,289.69
61	VII. PAYMENT AND PERFORMANCE BONDS	LS	1	\$ 9,364.10	\$ 9,364.10
62	SUBTOTAL E. (SUBTOTAL D + V + VI + VII + VIII)				\$ 1,156,496.79
63	IX. SALES TAX (City of Tucson 8.1% at 65% of Subtotal E)	LS	1	\$ 60,889.56	\$ 60,889.56
64	GUARANTEED MAXIMUM PRICE (GMP)				\$ 1,217,386.35
63	X. OWNER'S CONTINGENCY				
64	UNFORESEEN CONDITIONS (5% of GMP)	LS	1	\$ 57,824.84	\$ 57,824.84
64	SOUTHWEST GAS - ALLOWANCE UNDEFINED MODIFICATIONS	LS	1	\$ 50,000.00	\$ 50,000.00
65	SUBTOTAL F. (OWNER'S CONTINGENCY)				\$ 107,824.84
66	TOTAL CONTRACT COST				\$ 1,325,211.19



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #2 - SCOPE OF WORK

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

BRIEF DESCRIPTION OF WORK:			
New 10" sewer line in Drexel Road (between 1st Avenue and Park Avenue), including new manholes, new diversion structure, removal of existing 8" sewer, HCS tie-overs, and asphalt repairs			
LIST OF PLANS & SPECIFICATIONS USED FOR GMP			
	Document:	Prepared By:	Date:
1	Old Nogales Interceptor/Aerospace Corridor and Park Avenue Relief Sewer Augmentation Design Phase 3 - Pre-90% Plans	Westland Resources	03/21/17
2	PCRWRD Engineering Design Standards 2016 (EDS 2016)	Pima County Regional Wastewater Reclamation Dept.	2016
3	PCRWRD Standard Specifications and Details for Construction 2016 (SSDC 2016)	Pima County Regional Wastewater Reclamation Dept.	2016
4	Standard Specifications for Public Improvements Volume 1	Pima Association of Governments (PAG)	2014
5	Standard Specifications for Public Improvements Volume 2 (Standard Details)	Pima Association of Governments (PAG)	2014
6	Old Nogales Interceptor Sewer Augmentation Water System Modifications - Preliminary Plans (<i>Not for Construction</i>) <i>and comments/input from coordination meeting with Tucson Water on 3/30/17</i>	Westland Resources (Draft provided via email)	03/23/17
7	Tucson Water Standard Specifications and Details	Tucson Water	07/03/05



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #3 - CLARIFICATIONS, ASSUMPTIONS, EXCLUSIONS

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS TO THE SCOPE OF WORK:	
1	GMP was established with the understanding that the Phase 3 project needs to be started and completed between June and August of 2017, while Drexel Elementary School is on summer break. As such, extended work hours and weekend work have been accounted for to meet the aggressive construction schedule. It is assumed RWRD/COT inspectors and other jurisdictional authorities will implement similar scheduling to complete the project on schedule.
2	Railroad flagger and insurance have been removed from this GMP as project limits are now entirely outside (east of) UPRR's right-of-way.
3	3 weeks of flow management costs are accounted for in the GMP. This includes one week for construction and two weeks for RWRD/DEQ authorization.
4	No flow management cost is included for the construction of new manholes over the existing 8" lines in Morris and Southland. New manholes are to be poured around existing live sewer. GMP includes an allowance should upstream manholes need to be plugged and pumped with vector.
5	GMP is based on using native material for backfill of all sewer trenches, HCS, manholes, and sewer removals - including within the roadway limits of Drexel Road/Park Avenue. The acceptance of native backfill is based on discussions with COT and RWRD during design phase.
6	Slurry backfill was included for backfill of sewer bypass trenches only (Park Ave/Drexel Rd intersection). All other trench backfill to be native material (see clarification #5).
7	Included in the GMP is an allowance for removing and replacing asphalt and ABC over the existing reclaimed water line in Drexel Road (which appears to have experienced trench settlement causing asphalt failure and cracking). This allowance is for a new 2" asphalt base course and replacement of 4" ABC (per the existing pavement section) - it does NOT include reconstruction of the existing subgrade.
8	GMP includes an allowance to re-grout/repair manhole 1751-10.
9	SWPPP to be provided by Westland - Installation of BMP's included in this GMP
10	GMP does not include cultural resources / archaeological monitoring.
11	Bypass includes tarping the discharge for odor control - any additional/separate odor control mitigation is NOT included in our GMP
12	Cost for flow management of existing ONH, MH 1751-10, includes the use of flow through plug /invert protection, per conversations with RWRD during design phase.
13	GMP does not include any bio filter costs.
14	New HCS unit prices do NOT include the installation of cleanouts at the property line. Connections to existing HCS lines will occur within the asphalt limits of Drexel Road - no cost have been included for other right-of-way improvements/disturbances. It was assumed that existing HCS pipe is in good condition and able to be attached to. Existing and new HCS lines to be coupled together using a fernco adapter.



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #3 - CLARIFICATIONS, ASSUMPTIONS, EXCLUSIONS

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS TO THE SCOPE OF WORK:	
15	Assumption is made that RWRD will provide full time inspection of project including overtime and potential weekends / nights due to expedited construction schedule.
16	Mill and replacement of Drexel Rd asphalt is assumed to be curblane-to-curblane (approximately 48' in width), from the east curblane of 1st Ave to 50' east of Park Ave. Also included is the curb return areas at the intersections of Southland Blvd and Morris Blvd (See GMP Attachment #7). Other driveways, school bus pullouts, sidestreets, and paved shoulders are specifically excluded from the milling area for Phase 3. Milling depth is to be 2" thick and roadway will be repaved using TDOT #2 mix. No recompaction/reconstruction of subgrade, crack sealing of existing pavement, or any other structural section stabilization is included in this GMP. Existing cracking and/or other subgrade deficiencies will reflect through new 2" asphalt over time.
17	GMP excludes any cost associated with discovery of concrete encasement and required removal for installation of new utilities.
18	GMP excludes the relocation of existing utilities - with the exception of the existing 12" water line at southwest quadrant of Park/Drexel.
19	Traffic control is an allowance item and will be billed based on actual vendor invoice plus applicable markups.
20	No hazardous materials removal/handling cost are included in this GMP
21	Production rates, unit costs, and schedule durations included in this GMP are based on a 24-hour closure of Drexel Road (no through traffic) for the duration of the project (local access and emergency services will be maintained during closure).
22	Production rates, unit costs, and schedule durations included in this GMP are based on (2) separate weekend closures of the Park Ave/Drexel Road intersection. Closure to begin on Friday at 9pm and end on Monday at 6am.
23	Temporary paint striping to be placed upon completion of overlay and final thermoplastic striping to be placed 30 days later.
24	This GMP does not include any SBE utilization based on conversations with Pima County SBE Department.
25	GMP does not include any RWRD 2.5% inspection fees.
26	No cost are included for bypass of existing HCS's lines or accommodation with portable restrooms. Coordination with home owner will be made during connections.
27	GMP does not include costs related to Construction Authorization and Discharge Authorization applications/fees
28	Due to the critical construction schedule and completion deadline, deflection testing (and/or any other inspection/testing) will need to be performed immediately after installation. The schedule does not allow for the 7-day wait called out in the RWRD spec page 3-26 item D. Should the county need us to retest the line at a later time we will be glad to do so.



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #3 - CLARIFICATIONS, ASSUMPTIONS, EXCLUSIONS

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 30, 2017

CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS TO THE SCOPE OF WORK:	
26	This GMP does not include any expedited review fees for DEQ. We expect that all parties will coordinate together to ensure the approvals are met per the schedule.
27	Clarification and Assumptions take precedencies over any special provision/ specifications.
28	An allowance for potential southwest gas line relocation within the Park Ave/Drexel Road intersection has been added to the Owners Contingency since details on the specific modifications were not available at the time of GMP preparation

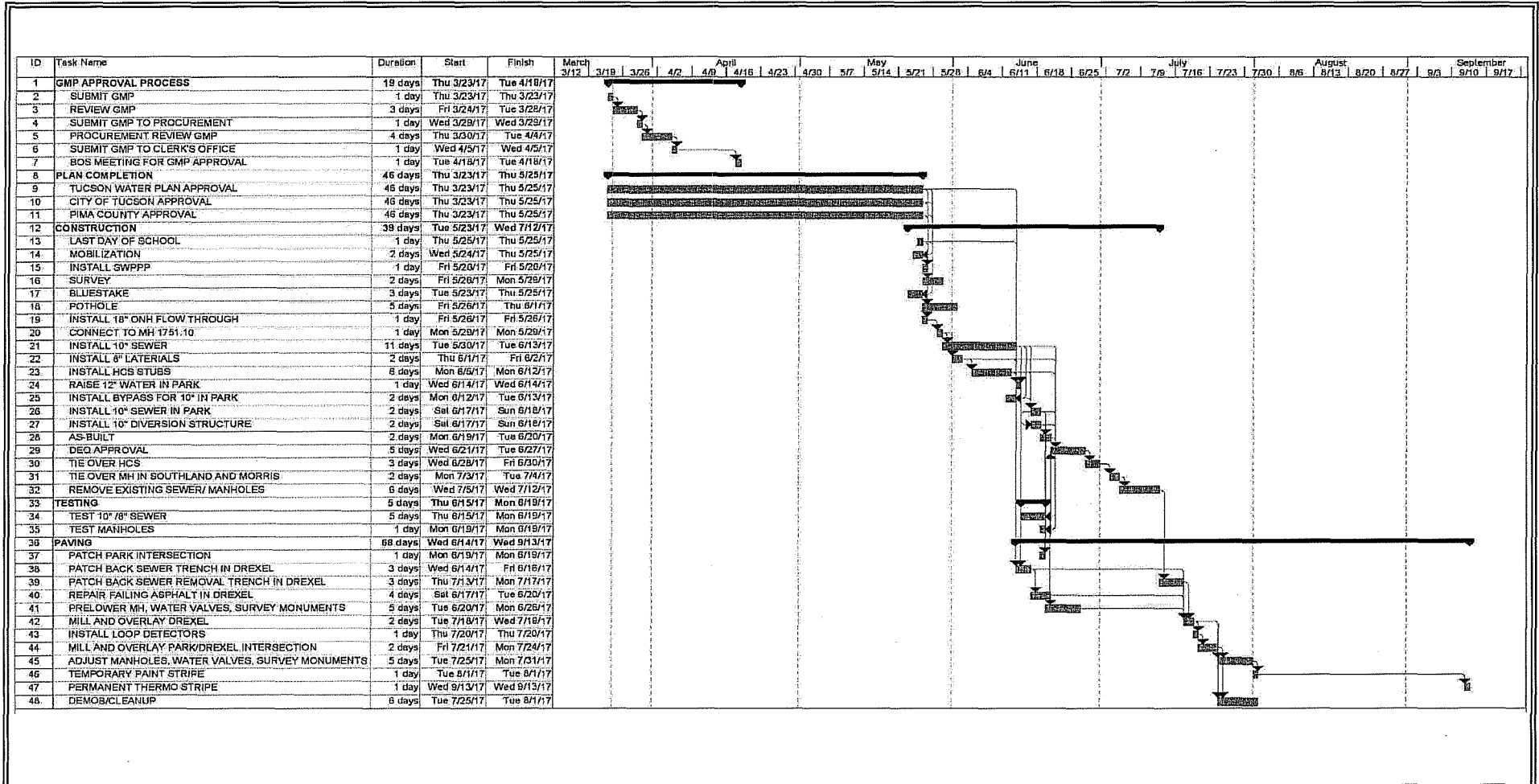


CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #4 - ANTICIPATED CONSTRUCTION SCHEDULE

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 24, 2017





CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #5 - CASH-FLOW FORECAST

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: April 19, 2017

Estimated Monthly Cash-Flow Forecast*				
Major Work Items	FY16-17 Work		FY17-18 Work	
	Work Performed: May-17**	Work Performed: Jun-17**	Work Performed: Jul-17	Work Performed: Aug-17
	To be Invoiced: Jul-17**	To be Invoiced: Jul-17**	To be Invoiced: Aug-17	To be Invoiced: Sep-17
Sewer Installations and Removals	\$ 15,000.00	\$ 875,000.00	\$ 250,000.00	
Substantial Completion/ Asphalt Repair				
Final Completion				\$ 77,386.35
Monthly Subtotals	\$ 15,000.00	\$ 875,000.00	\$ 250,000.00	\$ 77,386.35
Total***	\$1,217,386.35			
*Estimated amounts reflect anticipated installations/wrok completed by months end				
**Forecast assumes start of construction in late May-17 - work performed in May-June will be invoiced in Jul-17				
***Forecast Total does NOT include unencumbered Owners Contingency amount of \$107,824.84				



CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #6 - SUBCONTRACTORS LIST

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 24, 2017

LIST OF ANTICIPATED SUBCONTRACTORS			
	Company	Scope of Work	Selection Based on
1	B&F	Traffic Signals, Street Lighting	Team Member - Original Selection
2	B&F	Bypass Pumping	Team Member - Original Selection
3	Kaneen	Public Relations	Team Member - Design Phase
4	Westland Resources	Construction Survey & Asbuilts	Team Member - Design Phase
5	Ninyo & Moore	Quality Control/Materials Testing	Qualifications/Competitive Pricing
6	Trafficade	Traffic Control/Signage	Qualifications/Competitive Pricing
7	PMI	Striping/Pavement Markings	Qualifications/Competitive Pricing
8	Swaine Asphalt	Asphalt Milling	Qualifications/Competitive Pricing
9	Hayden Concrete	Manholes	Qualifications/Schedule Constraints
10			

Borderland

CONSTRUCTION MANAGER AT RISK (CMAR) - CONSTRUCTION SERVICES

ATTACHMENT #7 - ANTICIPATED MILLING LIMITS

GMP#1 - CONSTRUCTION OF PHASE 3 SEWER (Drexel Road: 1st Ave to Park Ave)

Updated: March 24, 2017

