



February 12, 2024

Eli Reisner,
Project Manager, Capital Improvements
City of Flagstaff
211 W. Aspen Ave.
Flagstaff, AZ 86004

Re: Spruce Wash Watershed Improvements (“Project”)
City of Flagstaff Project # 03-23014
Construction Manager at Risk – Guaranteed Maximum Price (“GMP”) 2

Dear Mr. Reisner,

Eagle Mountain Construction (“EMC”) is submitting GMP 2 for the above referenced Project.

The Spruce Wash Watershed Improvements is a “suite” of 8-9 individual projects (pending final designs) along the Spruce Wash drainage corridor, with several of the scopes having multiple phases. This GMP 2 includes roadway improvements for Grandview Dr. (Phase 2); clearing of trees and initial grading work for utility relocations for Linda Vista-Cedar Channel (Phase 1); Linda Vista Crossing; and The Wedge Utilities (Phase 2).

As the remaining suite of projects progress through the design phase, EMC will continue with our Design Phase services, offering constructability reviews, cost and schedule modeling, TAC Meeting attendance, and subsequent GMP development. EMC’s services for the balance of the Design Phase are reflected in the General Conditions for each project still in the design phase.

We continue to be honored to be apart this Team and appreciate the opportunity to work with so many of the Project stakeholders, the team of engineers, and the City of Flagstaff staff in the execution of the ever changing and challenging Project.

Sincerely,

Eagle Mountain Construction

Marco Spagnuolo
CEO



CONTRACT SUMMARY

Project: SPRUCE WASH WATERSHED IMPROVEMENTS
Project #: COF# 03-23014
Dwgs:
Submitted: 2/12/2024

PROJECT DESCRIPTION	COST OF WORK	GC's	CMAR FEE	BOND, INS, AZTPT	CMAR CONT	OWNER CONT	TOTAL
GRANDVIEW PH 1 - UTILITIES	\$ 1,808,284	\$ 472,480	\$ 239,480	\$ 201,391	\$ 50,000	\$ 50,000	\$ 2,821,635
THE WEDGE PH 1 - CLEARING	\$ 70,750	\$ 42,170	\$ 11,857	\$ 9,971	\$ -	\$ -	\$ 134,747
GMP 1	\$ 1,879,034	\$ 514,650	\$ 251,337	\$ 211,362	\$ 50,000	\$ 50,000	\$ 2,956,383
GRANDVIEW ROADWAY IMPROVEMENTS	\$ 2,048,205	\$ 198,360	\$ 235,889	\$ 198,371	\$ 50,000	\$ 50,000	\$ 2,780,825.49
LINDA VISTA CROSSING	\$ 886,110	\$ 84,500	\$ 101,914	\$ 85,705	\$ 25,000	\$ 25,000	\$ 1,208,228.69
LINDA VISTA-CEDAR CHANNEL - PH 1	\$ 391,330	\$ 33,500	\$ 44,607	\$ 37,512	\$ 10,000	\$ 10,000	\$ 526,949.54
THE WEDGE PH 2 - UTILITIES	\$ 2,190,781	\$ 196,000	\$ 250,612	\$ 210,752	\$ 150,000	\$ 100,000	\$ 3,098,145.34
GMP 2	\$ 5,516,426	\$ 512,360	\$ 633,023	\$ 532,340	\$ 235,000	\$ 185,000	\$ 7,614,149.06
ARROYO-SECO INLET							
KILLIP INLET							
ARROYO-DORTHA CHANNEL - PH 1							
ARROYO-DORTHA CHANNEL - PH 2							
KILLIP SECONDARY OUTLET							
LINDA VISTA-CEDAR CHANNEL - PH 2							
CEDAR CROSSING - FINAL 1's							
THE WEDGE - PH 3 - BASIN CONSTRUCTION							
GMP X - PRELIMINARY COST MODELS							
SPRUCE WASH DRAINAGE IMPROVEMENTS TOTAL							

GMP 2 - SUMMARY

COST OF WORK		\$ 5,516,426.11
GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	9.29%	\$ 512,360.00
SUBTOTAL #1 - Cost of the Work + GC's		\$ 6,028,786.11
CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	10.50%	\$ 633,022.54
SUBTOTAL #2 - Cost of the Work + GC's + Fee		\$ 6,661,808.65
PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.90%	\$ 59,956.28
SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds		\$ 6,721,764.93
INSURANCE (Percentage of Subtotal #3)	1.00%	\$ 67,217.65
SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance		\$ 6,788,982.58
SALES TAX (Percentage of GMP)	5.97%	\$ 405,166.48
CMAR CONTINGENCY & PRICE ESCALATION FUNDING	4%	\$ 235,000.00
GUARENTEED MAXIMUM PRICE		\$ 7,429,149.06
OWNERS CONTINGENCY (Percentage of Cost of the Work)	3%	\$ 185,000.00
CONTRACT PRICE		\$ 7,614,149.06

GRANDVIEW ROADWAY IMPROVEMENTS - GMP

Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
ROADWAY REMOVALS					
001	SAWCUT, REMOVE & DISPOSE ASPHALTIC CONCRETE PAVEMENT	9,500	SY	\$ 10.00	\$ 95,000.00
003	REMOVE & DISPOSE PORTLAND CEMENT CONCRETE	10,910	SF	\$ 3.00	\$ 32,730.00
004	REMOVE & SALVAGE DRIVEWAY/WALKWAY PAVERS	1,030	SF	\$ 3.00	\$ 3,090.00
005	REMOVE & DISPOSE FLAGSTONE PAVERS & BASE	315	SF	\$ 4.00	\$ 1,260.00
010	REMOVE & DISPOSE CONCRETE CURB & GUTTER	4,540	LF	\$ 3.00	\$ 13,620.00
020	REMOVE & DISPOSE CONCRETE VALLEY GUTTER	810	SF	\$ 4.00	\$ 3,240.00
060	REMOVE & SALVAGE MAILBOX	8	EA	\$ 100.00	\$ 800.00
RELOCATIONS & ADJUSTEMENTS					
101	RELOCATE STREET SIGN ON NEW POST	7	EA	\$ 525.00	\$ 3,675.00
130	ADJUST VALVE BOX & COVER	15	EA	\$ 975.00	\$ 14,625.00
140	ADJUST MANHOLE FRAME & COVER	13	EA	\$ 1,540.00	\$ 20,020.00
ROADWAY CONSTRUCTION					
201	PAVEMENT SECTION: 4" AC / 6" ABC	7,210	SY	\$ 75.00	\$ 540,750.00
203	PAVEMENT SECTION: 6" AC / 12" ABC OR MATCH EXISTING	260	SY	\$ 115.00	\$ 29,900.00
205	PAVEMENT SECTION: 8" PCCP / 8" ABC	3,670	SF	\$ 25.00	\$ 91,750.00
210	TYPE A VERTICAL CURB & GUTTER	220	LF	\$ 40.00	\$ 8,800.00
214	3' ROLL CURB (CATCH, SPILL & TRANSITIONS)	4,455	LF	\$ 45.00	\$ 200,475.00
215	MODIFIED ROLL CURB DRIVEWAY	8	EA	\$ 500.00	\$ 4,000.00
220	SIDEWALK	1,090	SF	\$ 15.00	\$ 16,350.00
221	SIDEWALK WITH INTREGAL CURB BACK OF SIDEWALK-2' MAX HEIGHT	590	SF	\$ 45.00	\$ 26,550.00
222	CURB RAMP (MAG STD DET. 236-5, FORMING AND DOMES)	4	EA	\$ 5,315.00	\$ 21,260.00
225	6' VALLEY GUTTER	10,340	SF	\$ 26.00	\$ 268,840.00
226	8' VALLEY GUTTER	860	SF	\$ 25.00	\$ 21,500.00
240	6" PCC / 3" ABC DRIVEWAY MATCH-UP	9,195	SF	\$ 20.00	\$ 183,900.00
242	PAVER DRIVEWAY/WALKWAY MATCH-UP	1,060	SF	\$ 18.00	\$ 19,080.00
243	GRAVEL DRIVEWAY MATCH-UP	180	SY	\$ 90.00	\$ 16,200.00
245	INSTALL FLAGSTONE PAVERS	315	SF	\$ 35.00	\$ 11,025.00
260	RELOCATE MAILBOX	8	EA	\$ 530.00	\$ 4,240.00
280	SURVEY MONUMENT, TYPE A	14	EA	\$ 965.00	\$ 13,510.00
STORMDRAIN REMOVAL					
041	REMOVE & DISPOSE MANHOLE	1	EA	\$ 1,230.00	\$ 1,230.00
050	REMOVE & DISPOSE STORMDRAIN	100	LF	\$ 42.00	\$ 4,200.00
051	REMOVE & DISPOSE CATCH BASIN	4	EA	\$ 785.00	\$ 3,140.00
STORMDRAIN CONSTRUCTION					
520	TRENCH DRAIN TYPE 'N' CATCH BASIN	1	EA	\$ 37,050.00	\$ 37,050.00
551	ADOT CURB WALL	580	SF	\$ 58.00	\$ 33,640.00
STRIPING & SIGNAGE					
601	STOP BAR	1	EA	\$ 550.00	\$ 550.00
602	CROSSWALK	1	EA	\$ 850.00	\$ 850.00
MISCELLANEOUS					
	MOBILIZATION & DEMOBILIZATION	1	LS	\$ 37,260.00	\$ 37,260.00
	SURVEY & STAKING	1	LS	\$ 18,000.00	\$ 18,000.00
	TRAFFIC CONTROL & MAINTENANCE	1	LS	\$ 19,050.00	\$ 19,050.00
	AS-BUILTS\RECORD DRAWINGS	1	LS	\$ 9,500.00	\$ 9,500.00
	SWPPP INSTALLATION & MAINTENANCE	1	LS	\$ 7,245.00	\$ 7,245.00
CONTRACT ALLOWANCES					
	SAND BAG REMOVAL ONLY - NO DUMP FEES INCLUDED	1	LS	\$ 18,300.00	\$ 18,300.00
	LANDSCAPING PER RESIDENCE	59	EA	\$ 3,000.00	\$ 177,000.00
	WALLS & FENCING	1	LS	\$ 7,500.00	\$ 7,500.00
	CUSTOM MAIL BOX	1	LS	\$ 7,500.00	\$ 7,500.00
SUMMARY					
COST OF WORK					\$ 2,048,205.00
	GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	9.68%			\$ 198,360.00
SUBTOTAL #1 - Cost of the Work + GC's					\$ 2,246,565.00
	CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	10.50%			\$ 235,889.33
SUBTOTAL #2 - Cost of the Work + GC's + Fee					\$ 2,482,454.33
	PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.90%			\$ 22,342.09
SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds					\$ 2,504,796.41
	INSURANCE (Percentage of Subtotal #3)	1.00%			\$ 25,047.96
SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance					\$ 2,529,844.38
	SALES TAX (Percentage of GMP)	5.97%			\$ 150,981.11
	CMAR CONTINGENCY & PRICE ESCALATION FUNDING	2%			\$ 50,000.00
GMP					\$ 2,730,825.49
	OWNERS CONTINGENCY (Percentage of Cost of the Work)	2%			\$ 50,000.00
CONTRACT PRICE					\$ 2,780,825.49

LINDA VISTA CROSSING - GMP

Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
SITE REMOVALS					
100	CONTRACTOR TO CLEAR, GRUB & ROUGH GRADE WITHIN GRADING LIMITS	1.0	LS	\$ 8,500.00	\$ 8,500.00
101	REMOVE & DISPOSE CONCRETE	295	SF	\$ 3.00	\$ 885.00
102	REMOVE & DISPOSE CONCRETE CURB & GUTTER	90	LF	\$ 3.00	\$ 270.00
103	REMOVE & DISPOSE OF EXISTING PONDEROSA TREE & STUMP	1	EA	\$ 3,500.00	\$ 3,500.00
105	REMOVE & DISPOSE OF EXISTING PONDEROSA TREE, STUMP TO REMAIN	1	EA	\$ 850.00	\$ 850.00
106	REMOVE & DISPOSE OF EXISTING CONCRETE HEADWALL	1	EA	\$ 1,750.00	\$ 1,750.00
107	REMOVE & SALVAGE ALL CONCRETE JERSEY BARRIERS AND/OR SANDBAGS	1	LS	\$ 1,250.00	\$ 1,250.00
110	REMOVE & REPLACE EXT WOOD FENCE TO LIMITS	1	LS	\$ 2,750.00	\$ 2,750.00
113	REMOVE & DISPOSE EXISTING WATERLINE AS NEEDED FOR CONSTRUCTION	80	LF	\$ 50.00	\$ 4,000.00
115	REMOVE & SALVAGE EXISTING STORMDRAIN	185	LF	\$ 46.00	\$ 8,510.00
116	REMOVE & SALVAGE EXISTING RIPRAP & GABION BASKETS	50	SY	\$ 180.00	\$ 9,000.00
117	SAW-CUT, REMOVE & DISPOSE OF EXISTING ASPHALT	415	SY	\$ 10.00	\$ 4,150.00
118	REMOVE & DISPOSE EXISTING BOLLARDS AS NEEDED TO CONSTRUCT CHANNEL	11	EA	\$ 75.00	\$ 825.00
EARTHWORK CONSTRUCTION					
	EARTHWORK	200	CY	\$ 30.00	\$ 6,000.00
ROADWAY CONSTRUCTION					
200	NEW 4" SIDEWALK	295	SF	\$ 18.00	\$ 5,310.00
201	NEW TYPE 'A' CONCRETE VERTICAL CURB & GUTTER	90	LF	\$ 40.00	\$ 3,600.00
202	NEW 4" AC \ 8" ABC	415	SY	\$ 85.00	\$ 35,275.00
204	NEW SAFETY RAIL - MODIFIED FUTS - ALLOWANCE (No sub quotes yet)	140	LF	\$ 140.00	\$ 19,600.00
WATER CONSTRUCTION					
300	NEW 8" CLASS 350 DIP (INCL VR & CASING PIPE)	60	LF	\$ 535.00	\$ 32,100.00
301	NEW 16" CLASS 350 DIP (INCL VR & CASING PIPE)	60	LF	\$ 680.00	\$ 40,800.00
304	NEW 1" ARV	1	EA	\$ 4,050.00	\$ 4,050.00
305	NEW 2" ARV	1	EA	\$ 6,550.00	\$ 6,550.00
DRAINAGE CONSTRUCTION					
500	NEW 15' X 5' OLSON CONCRETE ARCH CULVERT	1	LS	\$ 307,000.00	\$ 307,000.00
501	NEW 5' X 4' CONCRETE BOX CULVERT	1	LS	\$ 75,500.00	\$ 75,500.00
502	NEW CONTECH ARMORFLEX CLASS 40 - 4.75" BLOCK	265	SF	\$ 110.00	\$ 29,150.00
504	NEW 24" THICK, D50 = 18" RIPRAP WITH FILTER FABRIC	250	SY	\$ 185.00	\$ 46,250.00
508	NEW DOUBLE TYPE 'E' CATCH BASIN	2	EA	\$ 9,725.00	\$ 19,450.00
509	NEW 18" CMP STORMDRAIN	10	LF	\$ 365.00	\$ 3,650.00
510	NEW 7' X 10' CONCRETE JUNCTION STRUCURE	1	EA	\$ 27,300.00	\$ 27,300.00
511	NEW 3' WIDE EARTH BERM	160	LF	\$ 45.00	\$ 7,200.00
512	NEW MATERIAL CONNECTION	1	EA	\$ 1,250.00	\$ 1,250.00
SIGNAGE & STRIPING					
600	NEW 6" WHITE LANE STRIPING	425	LF	\$ 3.00	\$ 1,275.00
601	NEW 4" DOUBLE YELLOW STRIPE	140	LF	\$ 4.00	\$ 560.00
FRANCHISE UTILITIES					
*108	CONTRACTOR TO COORDINATE WITH APS FOR RELOCATION OF FACILITIES	1	LS	\$ 2,500.00	\$ 2,500.00
*114	COORDINATE WITH UNISOURCE FOR RELOCATION OF MAINS & TRENCHING	140	LF	\$ 105.00	\$ 14,700.00
MISCELLANEOUS					
	MOBILIZATION & DEMOBILIZATION	1	LS	\$ 63,500.00	\$ 63,500.00
	SURVEY & STAKING	1	LS	\$ 13,600.00	\$ 13,600.00
	TRAFFIC CONTROL & MAINTENANCE	1	LS	\$ 32,900.00	\$ 32,900.00
	AS-BUILTS\RECORD DRAWINGS	1	LS	\$ 9,500.00	\$ 9,500.00
	SWPPP INSTALLATION & MAINTENANCE	1	LS	\$ 16,300.00	\$ 16,300.00
ALLOWANCES					
	BOX CULVERT TEMPORARY FLOW CONTROL MEASURES	1	LS	\$ 10,000.00	\$ 10,000.00
	ROCK EXCAVATION	1	LS	\$ 5,000.00	\$ 5,000.00
SUMMARY					
COST OF WORK					\$ 886,110.00
	GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	9.54%			\$ 84,500.00
SUBTOTAL #1 - Cost of the Work + GC's					\$ 970,610.00
	CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	10.50%			\$ 101,914.05
SUBTOTAL #2 - Cost of the Work + GC's + Fee					\$ 1,072,524.05
	PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.90%			\$ 9,652.72
SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds					\$ 1,082,176.77
	INSURANCE (Percentage of Subtotal #3)	1.00%			\$ 10,821.77
SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance					\$ 1,092,998.53
	SALES TAX (Percentage of GMP)	5.97%			\$ 65,230.15
CMAR CONTINGENCY & PRICE ESCALATION FUNDING					\$ 25,000.00
GMP					\$ 1,183,228.69
	OWNERS CONTINGENCY (Percentage of Cost of the Work)	3%			\$ 25,000.00
CONTRACT PRICE					\$ 1,208,228.69

LINDA VISTA - CEDAR CHANNEL - GMP

PHASE 1

Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
SITE REMOVALS					
100	CLEAR, GRUB & ROUGH GRADE WITHIN GRADING LIMITS	1.0	LS	\$ 24,650.00	\$ 24,650.00
101	REMOVE & DISPOSE CONCRETE	195	SF	\$ 4.00	\$ 780.00
103-105	REMOVE & DISPOSE OF TREES & VEGITATION - PER MARKINGS	1	LS	\$ 135,000.00	\$ 135,000.00
107	REMOVE & SALVAGE ALL CONCRETE JERSEY BARRIERS	1	LS	\$ 1,800.00	\$ 1,800.00
109	REMOVE & REPLACE EXISTING CHAIN LINK FENCE				
110	REMOVE & REPLACE EXISTING WOOD FENCE				
112	REMOVE & RELOCATE EXISTING DRY ROCK RETAINING WALL				
116	REMOVE & SALVAGE EXISTING RIPRAP				
117	SAW-CUT, REMOVE & DISPOSE EXT STORM DRAIN				
EARTHWORK CONSTRUCTION					
	EARTHWORK (CUT & FILL)				
DRAINAGE CONSTRUCTION					
204	NEW 4" COMPACTED AB				
502	NEW CONTECH ARMORFLEX CLASS 40 BLOCK				
503	NEW SHOTCRETE CHANNEL				
505	NEW CONCRETE SPILLWAY				
507	NEW END SECTION				
512	NEW MATERIAL CONNECTION				
513	WRAP POWER POLE WITH 1/2" ASPHALT EXPANSION JOINT				
514	NEW END SECTION				
FRANCHISE UTILITIES					
*108	CONTRACTOR TO COORDINATE WITH APS	1	LS	\$ 5,000.00	\$ 5,000.00
*114	COORDINATE WITH UNISOURCE FOR RELOCATE MAIN & SERVICES	2,140	LF	\$ 65.00	\$ 139,100.00
MISCELLANEOUS					
	MOBILIZATION & DEMOBILIZATION	1	LS	\$ 18,500.00	\$ 18,500.00
	SURVEY & STAKING	1	LS	\$ 9,500.00	\$ 9,500.00
	TRAFFIC CONTROL & MAINTENANCE	1	LS	\$ 5,000.00	\$ 5,000.00
	AS-BUILTS\RECORD DRAWINGS	1	LS	\$ 4,500.00	\$ 4,500.00
	SWPPP INSTALLATION & MAINTENANCE	1	LS	\$ 17,500.00	\$ 17,500.00
CONTRACT ALLOWANCES					
	SAND BAG REMOVAL & REPLACEMENT	1	LS	\$ 5,000.00	\$ 5,000.00
	ROCK EXCAVATION	250	CY	\$ 100.00	\$ 25,000.00
SUMMARY					
COST OF WORK					\$ 391,330.00
	GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	8.56%			\$ 33,500.00
SUBTOTAL #1 - Cost of the Work + GC's					\$ 424,830.00
	CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	10.50%			\$ 44,607.15
SUBTOTAL #2 - Cost of the Work + GC's + Fee					\$ 469,437.15
	PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.90%			\$ 4,224.93
SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds					\$ 473,662.08
	INSURANCE (Percentage of Subtotal #3)	1.00%			\$ 4,736.62
SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance					\$ 478,398.71
	SALES TAX (Percentage of GMP)	5.97%			\$ 28,550.83
	CMAR CONTINGENCY & PRICE ESCALATION FUNDING	3%			\$ 10,000.00
GMP					\$ 516,949.54
	OWNERS CONTINGENCY (Percentage of Cost of the Work)	3%			\$ 10,000.00
CONTRACT PRICE					\$ 526,949.54

THE WEDGE DETENTION BASIN - GMP

PHASE 2

Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
ROADWAY REMOVALS					
001	SAWCUT, REMOVE & DISPOSE ASPHALTIC CONCRETE PAVEMENT	4,304	SY	\$ 10.00	\$ 43,041.11
003	REMOVE & DISPOSE PORTLAND CEMENT CONCRETE	3,325	SF	\$ 3.00	\$ 9,975.00
010	REMOVE & DISPOSE CONCRETE CURB & GUTTER	745	LF	\$ 4.00	\$ 2,980.00
020	REMOVE & DISPOSE CONCRETE VALLEY GUTTER	1,500	SF	\$ 4.00	\$ 6,000.00
090	REMOVE & DISPOSE TREES				
RELOCATIONS & ADJUSTMENTS					
101	RELOCATE STREET SIGN ON NEW POST				
130	ADJUST VALVE BOX & COVER				
140	ADJUST MANHOLE FRAME & COVER				
ROADWAY CONSTRUCTION					
203	PAVEMENT SECTION: 6" AC / 8" ABC				
210	TYPE A VERTICAL CURB & GUTTER				
218	ROLL TO VERTICAL CURB TRANSITION				
220	SIDEWALK				
226	8' VALLEY GUTTER				
230	6" PCC / 3" ABC RESIDENTIAL DRIVEWAY (5' DEEP)				
231	9" PCC / 3" ABC COMMERCIAL DRIVEWAY (5' DEEP)				
232	6" PCC / 3" ABC RESIDENTIAL DRIVEWAY (3' DEEP)				
240	6" PCC / 3" ABC DRIVEWAY MATCH-UP				
243	GRAVEL DRIVEWAY MATCHUP				
250	6' CHAIN LINK FENCE				
252	FUTS RAIL				
253	FUTS RAIL, MODIFIED				
254	GATE				
280	SURVEY MONUMENT, TYPE A (INTERSECTION)				
281	SURVEY MONUMENT, TYPE B (GEOMETRY)				
290	T-TOP TRENCH	528	SY	\$ 130.00	\$ 68,640.00
WATER REMOVAL					
032	REMOVE & SALVAGE FIRE HYDRANT. REMOVE & DISPOSE VALVE CAN. ABANDON VALVE & A	0	EA	\$ -	\$ -
035	REMOVE & DISPOSE WATER SERVICE, SALVAGE METER	1	EA	\$ 950.00	\$ 950.00
037	REMOVE & DISPOSE WATER VALVE, PLUG OR CAP EXISTING TAPPING SLEEVE	1	LS	\$ 800.00	\$ 800.00
038	REMOVE & DISPOSE WATER MAIN	180	LF	\$ 30.00	\$ 5,400.00
WATER CONSTRUCTION					
301	8" CLASS 305 C-900 PVC WATERLINE (INCLUDES VR)	225	LF	\$ 205.00	\$ 46,125.00
310	8" GATE VALVE , BOX, COVER, AND ASSEMBLY	2	EA	\$ 2,995.00	\$ 5,990.00
320	FIRE HYDRANT ASSEMBLY	0	EA	\$ -	\$ -
330	3/4" COPPER WATER SERVICE	1	EA	\$ 2,550.00	\$ 2,550.00
332	ADJUST WATER SERVICE (ALLOWANCE)	1	EA	\$ 950.00	\$ 950.00
371	1" ARV (ALLOWANCE)	2	EA	\$ 3,970.00	\$ 7,940.00
372	VERTICAL WATERLINE REALIGNMENT (6-IN) (ALLOWANCE)	1	EA	\$ -	\$ -
373	VERTICAL WATERLINE REALIGNMENT (8-IN) (ALLOWANCE)	1	EA	\$ -	\$ -
SEWER REMOVAL					
040	REMOVE & DISPOSE SEWER LINE - AS NEEDED FOR CONFLICTS	175	LF	\$ 55.00	\$ 9,625.00
041	REMOVE & DISPOSE MANHOLE	4	EA	\$ 1,200.00	\$ 4,800.00
043	REMOVE & DISPOSE SEWER SERVICE	5	EA	\$ 1,050.00	\$ 5,250.00
045	CUT, PLUG & ABANDON SEWER LINE (ALLOWANCE)	9	EA	\$ 850.00	\$ 7,650.00
SEWER CONSTRUCTION					
402	60" MANHOLE (WATER TIGHT), DROP CONNECTION	3	EA	\$ 13,750.00	\$ 41,250.00
404	60" MANHOLE (WATER TIGHT)	2	EA	\$ 11,500.00	\$ 23,000.00
410	8" DIA. SDR-35 PVC SANITARY SEWER MAIN	425	LF	\$ 255.00	\$ 108,375.00
421	4" DIA. SDR-35 PVC DEEP SEWER SERVICE & CLEANOUT	5	EA	\$ 2,350.00	\$ 11,750.00
430	CASING AT SPRUCE BOX FOR 8"	50	LF	\$ 160.00	\$ 8,000.00
480	EXTRA PROTECTION (ALLOWANCE)	2	EA	\$ 1,850.00	\$ 3,700.00
STORMDRAIN REMOVAL					
041	REMOVE & DISPOSE MANHOLE	3	EA	\$ 1,050.00	\$ 3,150.00
050	REMOVE & DISPOSE STORMDRAIN	450	LF	\$ 35.00	\$ 15,750.00
051	REMOVE & DISPOSE CATCH BASIN	2	EA	\$ 1,250.00	\$ 2,500.00
STORMDRAIN CONSTRUCTION					
501	60" RGRCP STORM DRAIN	780	LF	\$ 585.00	\$ 456,300.00
501.1	60" RGRCP STORM DRAIN (BEVELED)	196	LF	\$ 675.00	\$ 132,300.00
503	60" X 48" BOX CULVERT	200	LF	\$ 965.00	\$ 193,000.00
506	24" SRP STORM DRAIN	667	LF	\$ 195.00	\$ 130,065.00
507	24" RGRCP - PRESSURE RATED	21	LF	\$ 295.00	\$ 6,195.00
508	18" RGRCP	98	LF	\$ 265.00	\$ 25,970.00
510	STORM DRAIN MANHOLE (60")	1	EA	\$ 16,190.00	\$ 16,190.00

THE WEDGE DETENTION BASIN - GMP

PHASE 2

Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
511	STORM DRAIN VAULT: 10' X 7'	1	EA	\$ 27,300.00	\$ 27,300.00
512	STORM DRAIN VAULT: 7' X 6' WITH CONTROL GATE				
513	STORM DRAIN PRESSURE MANHOLE (60")	2	EA	\$ 19,500.00	\$ 39,000.00
515	CONCRETE COLLAR: MAG 505	1	EA	\$ 3,500.00	\$ 3,500.00
517	STORM DRAIN LATERAL CONNECTION	2	EA	\$ 1,500.00	\$ 3,000.00
518	STORM DRAIN TEE CONNECTION	2	EA	\$ 1,250.00	\$ 2,500.00
520	TRENCH DRAIN TYPE 'N' CATCH BASIN, MODIFIED	1	EA	\$ 8,060.00	\$ 8,060.00
522	STORM DRAIN VAULT: DETENTION BASIN OUTLET CONTROL				
525	TYPE I CATCH BASIN - MAG 542	3	EA	\$ 16,570.00	\$ 49,710.00
526	TYPE 3 CATCH BASIN - ADOT C15.20	1	EA	\$ 18,950.00	\$ 18,950.00
527	TYPE B CATCH BASIN - MAG 531	1	EA	\$ 10,450.00	\$ 10,450.00
528	48" STORM MANHOLE	3	EA	\$ 15,800.00	\$ 47,400.00
530	EXCAVATE DETENTION BASIN				
540	EROSION PROTECTION: RIPRAP				
541	ACCESS RAMP: RIPRAP WITH SOIL MIX				
542	EROSION PROTECTION: NON-WOVEN EROSION CONTROL BLANKET				
543	EROSION PROTECTION: HYDROSEED				
550	RETAINING WALL: ADOT DETAIL				
560	PLUNGE POOL / ENERGY DISSIPATOR				
570	STORM WATER INLINE CHECK VALVE 18"	1	EA	\$ 10,800.00	\$ 10,800.00
571	STORM WATER INLINE CHECK VALVE 24"	1	EA	\$ 13,200.00	\$ 13,200.00
STRIPING & SIGNAGE					
601	STOP BAR				
602	CROSS WALK				
603	6" WHITE LANE STRIPE				
604	4" DOUBLE YELLOW WITH BROKEN INSIDE STRIPE				
605	4" DOUBLE YELLOW STRIPE				
606	8" WHITE LANE STRIPE				
607	BIKE LANE SYMBOL				
608	CROSS HATCH STRIPING				
609	PAVEMENT MARKING ARROW				
MISCELLANEOUS					
	MOBILIZATION & DEMOBILIZATION	1	LS	\$ 40,000.00	\$ 40,000.00
	SURVEY	1	LS	\$ 28,750.00	\$ 28,750.00
	TRAFFIC CONTROL	1	LS	\$ 58,000.00	\$ 58,000.00
	AS-BUILT MEASUREMENTS/RECORD DRAWINGS	1	LS	\$ 10,000.00	\$ 10,000.00
	EROSION CONTROL/SWPPP	1	LS	\$ 14,250.00	\$ 14,250.00
CONTRACT ALLOWANCES					
	ROCK EXCAVATION	1,250	CY	\$ 185.00	\$ 231,250.00
	TEMP PATCH FOR ROADWAY	3,000	CY	\$ 45.00	\$ 135,000.00
	UTILITY TRENCHING (25% OF TOTAL TRENCH LENGTH, 10')	200	CY	\$ 85.00	\$ 17,000.00
	SAND BAG REMOVAL & REPLACEMENT	1	LS	\$ 1,500.00	\$ 1,500.00
	SEWER BYPASS PUMPING	1	LS	\$ 15,000.00	\$ 15,000.00
	OVEREXAVATION FOR RETAINING WALL PER GEOTECH				
	SLURRY BACKFILL FOR RETAINING WALL FOOTING PER GEOTECH				
	SHORING FOR WEDGE RETAINING WALL				
	DETENTION BASIN FLOW CONTROL SLIDE GATE				
	DETENTION BASIN ELECTRICAL SERVICE FOR FLOW CONTROL SLIDE GATE				
SUMMARY					
COST OF WORK					\$ 2,190,781.11
	GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	8.95%			\$ 196,000.00
SUBTOTAL #1 - Cost of the Work + GC's					\$ 2,386,781.11
	CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	10.50%			\$ 250,612.02
SUBTOTAL #2 - Cost of the Work + GC's + Fee					\$ 2,637,393.13
	PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.90%			\$ 23,736.54
SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds					\$ 2,661,129.67
	INSURANCE (Percentage of Subtotal #3)	1.00%			\$ 26,611.30
SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance					\$ 2,687,740.96
	SALES TAX (Percentage of GMP)	5.97%			\$ 160,404.38
	CMAR CONTINGENCY & PRICE ESCALATION FUNDING	7%			\$ 150,000.00
GMP					\$ 2,998,145.34
	OWNERS CONTINGENCY (Percentage of Cost of the Work)	5%			\$ 100,000.00
CONTRACT PRICE					\$ 3,098,145.34