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Hartman Park	
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SITE SITE	
LOCATION	
Zuni St. D. Navajo	
Pueblo St	
<u>SURVEY</u> :	
RED MOUNTAIN LAND SURVEVING	
(970) 903-2024	
TBM 1	
DESC: 1/2" REBAR AND YELLOW PLASTIC CAP	
EASTING: 2672402.4450	
ELEV: 5590.68	
TBM 2	
DESC: 60D NAIL IN ISLAND NORTHING:2117612.9660	
EASTING: 2672336.5890	
APPLICABLE PERMITS	
PERMIT 1: USACE NATIONWIDE PERMIT VERIFICATION	
SPA-2023.00371 NATIONWIDE PERMIT 13-BANK STABIL ZATION	
CONTRACTOR RESPONSIBLE FOR BEST MANAGEMENT PR/	ACTICES
ASSOCIATED WITH NWP13.	
ALL COORDINATES ARE IN NSRS11.NM-WF UNLESS OTHERWISE NOTED.	
A PORTION OF THIS PROJECT LIES WITHIN THE FEMA 100-YEAR FLOODPLAIN (ZONE A) FIRM F	24NEL 3504500710E
EFFECTIVE DATE AUGUST 5, 2010.	ANEL 33043007 101,
ENGINEER AND OWNER DISCLAIM ALL RESPONSIBILITY FOR IDENTIFYING SUBSURFACE UTILITY SHALL BE HELD SOLELY RESPONSIBLE FOR IDENTIFYING LOCATING AND PROTECTING LITHU	TIES. CONTRACTOR
EXCAVATION.	
CONTRACTOR SHALL FIELD ALL DIMENSIONS AND QUANTITIES IN THE FIELD PRIOR TO BEGINI	NING WORK.
CONTRACTOR IS SOLELY RESPONSIBLE FOR SCHEDULING ALL REQUIRED INSPECTIONS.	
CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS AT THE CONSTRUTIONS IN THE CONSTRUCTION PLANS AT THE CONSTRUCTION PLANS AT THE CONSTRUCTIONS IN THE CONSTRUCTION PLANS AT THE CONSTRUCTION	ICTION SITE AT ALL
RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFOR	MATION, AND
COMPLETENESS, ACCURACY, AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT TH REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.	E APPLICATION IS
ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER W	/HO PREPARED THEM.
IN APPROVING THESE PLANS, THE CITY OF AZTEC MUST RELY UPON THE ADEQUACY OF THE DESIGN ENGINEER.	WORK OF THE

# IAMS ARROYO GABION WALL REPAIR CIVIL SITE CONSTRUCTION PLANS AZTEC, NEW MEXICO

# BY: CITY OF AZTEC 201 W. CHACO AZTEC, NEW MEXICO 87410



# APRIL 5, 2024





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	SHEET INDEX
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	STAGING AND EROSION CONTORL PLAN
4	PLAN AND PROFILE
5	PLAN AND PROFILE
6	CROSS SECTIONS
7	DETAIL SHEET

### **UTILITY OWNERS:**

CITY OF AZTEC DEPARTMENT OF PUBLIC WORKS (505) 334-7660

CITY OF AZTEC ELECTRIC DEVELOPMENT (505) 334-7660

QWEST (TELEPHONE) (505) 325-2311

COMCAST CABLE VICTOR APPLEGATE (505) 402-0055

PNM (GAS) (505) 324-3783

	REVISIONS	
NO.	REVISION DESCRIPTION	DATE
1	Update quantities sheet 2, detail sheet 7	1/7/2025



Aqua Strategies Inc. 13341 W. US Hwy 290, Bldg. 2 Dripping Springs, TX 78620-5000 www.aquastrategies.com (512) 826-2604

GENERAL NOTES:

- 1. THE "NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION", SHALL GOVERN CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE NOTED ON THESE PLANS OR IN THE CONTRACT DOCUMENTS. IN CASE OF CONFLICT BETWEEN PLANS AND SPECIFICATIONS, THE PLANS SHALL GOVERN.
- 2. NO PAYMENT WILL BE MADE FOR ANY HAULING OF MATERIALS. THE TRANSPORTATION OF MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM TO WHICH THE WORK PERTAINS.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF AZTEC AND THE CITY OF AZTEC FIRE DEPARTMENT 24 HOURS BEFORE CONSTRUCTION - 3. ACTIVITIES BEGIN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREET FREE AND CLEAR OF ANY DEBRIS THAT IS TRACKED FROM THE SITE. 4.
- ALL ACCESS ROADS SHALL BE SERVICEABLE AND MAINTAINED FOR FIRE PROTECTION AND EMERGENCY VEHICLES PRIOR TO AND DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO PROPERTY OWNERS AFFECTED BY THE CONSTRUCTION. ALL AFFECTED RESIDENTS SHALL BE INFORMED OF ANY LANE OR ROAD CLOSURES AT LEAST 48 HOURS PRIOR TO CLOSURE. ACCESS TO RESIDENCIES SHALL NOT BE DENIED FOR MORE THAN 24 HOURS WITHOUT THE APPROVAL OF THE PROJECT MANAGER.
- 7. OVERNIGHT PARKING OF THE CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
- CONTRACTOR SHALL KEEP WORK SITE IN AN ORDERLY CONDITION. DURING CONSTRUCTION. AT COMPLETION OF WORK, CONTRACTOR 8. SHALL REMOVE ALL DEBRIS AND LEAVE WORK SITE IN A CONDITION ACCEPTABLE TO THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES DISCOVERED IN THE PLANS AND SPECIFICATIONS PROMPTLY 9. TO THE CITY ENGINEER IN WRITING.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND. SURFACE AND AERIAL UTILITIES, CONSTRUCTIONS AND STRUCTURES WHETHER ON PUBLIC OR PRIVATE PROPERTY DAMAGES THERETO BY THE CONTRACTOR SHALL BE REPLACED IN KIND OR BETTER AT NO EXPENSE TO THE PROJECT.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THIS PROJECT.

PAVING NOTES:

- ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED WILL BE REPAIRED BY THE CONTRACTOR AT 1. CONTRACTOR'S EXPENSE BEFORE ACCEPTANCE OF THE PROJECT.
- MANHOLE FRAMES, COVERS, WATER VALVE COVERS, AND OTHER EXISTING UTILITIES SHALL BE RAISED TO FINISHED GRADE AT THE CONTRACTOR'S EXPENSE BY A QUALIFIED CONTRACTOR WITH ENGINEER INSPECTION. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ROAD BASE MATERIAL CONSISTING OF EXISTING AND IMPORTED MATERIAL.
- CONTRACTOR SHALL SAW CUT TACK AND MATCH EXISTING PAVEMENT.
- THE CONTRACTOR WILL NOTIFY THE AZTEC PUBLIC WORKS DIRECTOR AT LEAST 4 HOURS PRIOR TO PAVING.
- FLAGGING SHALL BE PROVIDED FOR SAFETY WHERE NEEDED AND REQUIRED BY THE MUTCD OR AS DIRECTED BY THE CITY ENGINEER. ALL FLAGGING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE MUTCD. FLAGGERS SHALL BE CONSIDERED INCIDENTAL TO PAYMENT FOR TRAFFIC CONTROL AND NO MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS SERVICE.
- 6. TRAFFIC CONTROL DEVICES SHALL REMAIN IN OPERATION AT ALL TIMES DURING CONSTRUCTION.

### UTILITIES:

- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES, CONDUITS AND STRUCTURES ARE SHOWN WHERE KNOWN TO EXIST. 1. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES.
- UTILITY CONFLICTS ARE NOT ANTICIPATED ON THIS PROJECT SINCE EXCAVATION WILL BE LIMITED. IF UTILITIES ARE ENCOUNTERED THE 2. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ALL UTILITY COMPANIES AND THE CITY OF AZTEC WITH REGARDS TO RELOCATING, ADJUSTING, REPLACING, AND REPAIRING UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEAN UP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND - 3. SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIAL SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, SEWER CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING PAST SPILLS ENCOUNTERED DURING CONSTRUCTION AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT AT (505) 827-9329.

CONSTRUCTION TESTING:

- 1. THE PROJECT WILL HAVE VERIFICATION, AND DENSITY TESTS COMP VERIFY COMPACTION.
- 2. THE CITY WILL USE GEOMAT TO PROVIDE QUALITY ASSURANCE TES FOR REQUIRED TESTING. CONTRACTOR SHALL PROVIDE QUALITY CO WORK QUALITY THAT CONFORMS TO THE GOVERNING SPECIFICATI BACK TO THE CONTRACTOR. GEOMAT CONTACT PHONE - 505-327-
- 3. ROAD BASE MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUI "MOISTURE AND DENSITY CONTROL."
- 4. SP-IV ASPHALT SMALL BE COMPACTED TO A MEAN DENSITY OF 939 NMDOT SPECIFICATION DIVISION 473.
- 5. ASPHALT MIX DESIGN SHALL BE PER NMDOT SP-IV DESIGN ASPHAL
- 6. GRADATION OF PROPOSED IMPORTED ROADBASE OR BULK MATER TO IMPORT AND TO THE AZTEC PUBLIC WORKS DIRECTOR.
- 7. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. TH SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE ALL MATER NMDOT STANDARD.

WATER CONTROL PLAN

1. CONTRACTOR TO BE RESPONSIBLE FOR MANAGEMENT OF WATER.

PHAS	E 1 – MATERIALS ESTIMATE					C	<b>N</b>		
					I		D		
						, <b>T</b>	ת	2000	
ITEM	DESCRIPTION	OUANTITY	UNIT	CONTRACTOR BID	COST		ering	lg. ) -5(	
BASE PRO	JECT ITEMS	Qontri				+	lgine	3ld 32(	
1	Mobilization and Demobilization	1.0					D E	78( 78(	
3	Erosion Control - Rock Berm	60.0	L.F. L.F.			<u> </u>	nce	290 S.C	
4	Erosion Control - Inlet Protection	1.0	UNIT				Scie	gie , T	
5	Gabion Mat 1.5'x10'x1' HxWxLength	70.0	L.F.			U	ling,	es Lw gs teç	4
7	Gabion 3'X3'X1ft HxWxL Gabion 3'X4'x1ft HxWxL	70.0	L.F. L.F.					gie S I S I rin tra	Ò
8	Gabion 3'X5'x1ft HxWxL	70.0	L.F.				tter F	ate U Spi	- 70
9B	Gabion Fill Option 2: 6" Riprap, Well Graded	133.0	C.Y.				Na Va	stra W. g s qu	20
10	Gravel Base	16.0	C.Y.					a C - 1 - 1 Din - 1.a	$\infty$
12	Geotextile	218.0	S.Y.					au 34 ipp	12
13	Remove Sidewalk	280.0	S.F.					M Dr 13	(5
14	Replace Sidewalk Post and Cable Fencing	32.0	S.Y.					1.28	
21		233.0	L.I .	TOTAL BASE ITEMS		-			
ALTERNA	E PROJECT ITEMS						THY	DENNIS OS	
94	Gabion Fill Option 1: 24" Rock w/	133.0	СY				No Contraction	W MET CO IE	
15	Remove Curb	70.0	L.F.			-		(28718)	
16	Replace Curb	70.0	L.F.			-	2		
17	Remove Asphalt Replace Asphalt	1,400.0	S.F.			-	hat	SIONAL ENGINE	
19	Excavation	389.0	C.Y.			-	100	is provide the	
20	Subgrage Preparation	78.0	S.Y.			-			
22	Culvert Headwall	0.0	UNIT						
			TOTA						
			TOTA	L ALTERNATE ITEMS					
			TOTA TOTAL BA	ASE + ALTERNATE ITEMS				X	
			TOTA TOTAL BA	ALTERNATE ITEMS				ARK X	
			TOTA TOTAL BA	L ALTERNATE ITEMS				D A R K	
			TOTA TOTAL BA	L ALTERNATE ITEMS			Ś		
				ASE + ALTERNATE ITEMS		3	S	ON AAN PARK	
РНА	се 2+PHASE 3			ASE + ALTERNATE ITEMS		<b>3</b>	TES	TION TMAN PARK	
PHAS	се 2+PHASE 3						OTES	ATION RTMAN PARK	
PHAS	SE 2+PHASE 3			ASE + ALTERNATE ITEMS			NOTES	IZATION JARTMAN PARK	
PHAS ITEM BASE PROJE	SE 2+PHASE 3 DESCRIPTION	QUANTITY		ASE + ALTERNATE ITEMS	COST		NOTES	ILIZATION HARTMAN PARK	
PHAS ITEM BASE PROJE	SE 2+PHASE 3           DESCRIPTION           CCT ITEMS           Mobilization and Demobilization	QUANTITY		ASE + ALTERNATE ITEMS	COST		<b>AL NOTES</b>	BILIZATION	
PHAS ITEM BASE PROJE	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6'	QUANTITY 1.0 100.0	TOTAL BA	ASE + ALTERNATE ITEMS	COST		<b>AL NOTES</b>	FABILIZATION	
PHAS ITEM BASE PROJE	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection	QUANTITY 1.0 100.0 60.0 1.0	TOTAL BA	ASE + ALTERNATE ITEMS	COST		<b>FRAL NOTES</b>	STABILIZATION	
PHAS ITEM BASE PROJE 1 2 3 4 5	SE 2+PHASE 3 DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0	TOTAL BA	ASE + ALTERNATE ITEMS	COST		ERAL NOTES	<ul> <li>STABILIZATION</li> <li>RROYO HARTMAN PARK</li> </ul>	
PHAS ITEM BASE PROJE 1 2 3 4 5 6	E 2+PHASE 3 DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0 525.0	TOTAL BA	L ALTERNATE ITEMS	COST		NERAL NOTES	NK STABILIZATION ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8	DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Cabion 3'X4'x1ft HxWxL	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0 525.0 525.0	TOTAL BA	ASE + ALTERNATE ITEMS			ENERAL NOTES	ANK STABILIZATION S ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B	DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0 525.0 525.0 525.0 1076.0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION MS ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B 10	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6'' Riprap, Well Graded Gravel Base	QUANTITY QUANTITY QUANTITY 0 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION AMS ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B 10 11	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X3'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone	QUANTITY QUANTITY QUANTITY 1.0 100.0 100.0 100.0 100.0 100.0 100.0 100 10	TOTAL BA	L ALTERNATE ITEMS     ASE + ALTERNATE ITEMS     CONTRACTOR BID   UNIT COST     I </td <td></td> <td></td> <td><b>GENERAL NOTES</b></td> <td>BANK STABILIZATION</td> <td></td>			<b>GENERAL NOTES</b>	BANK STABILIZATION	
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PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNATE 9A	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone	QUANTITY         QUANTITY         1.0         1.0         0         1.0         1.0         525.0         525.0         525.0         525.0         1076.0         116.0         1,680.0         840.0         94.0         335.0         1076.0	TOTA TOTAL BA TOTAL BA UNIT UNIT L.F. UNIT L.F. L.F. L.F. L.F. L.F. C.Y. C.Y. S.Y. S.F. S.Y. S.F. S.Y. L.F.	ALTERNATE ITEMS ASE + ALTERNATE ITEMS CONTRACTOR BID UNIT COST UNI			DATE COLOR DATES GENERAL NOTES	WILLIAMS ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNATE 9A 15	E 2+PHASE 3 DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb	QUANTITY QUANTTY QUANT	TOTA TOTAL BA TOTAL BA UNIT UNIT L.F. UNIT L.F. U.F. L.F. L.F. C.Y. C.Y. S.Y. S.F. S.Y. S.F. S.Y. L.F. U.F.	L ALTERNATE ITEMS   ASE + ALTERNATE ITEMS   ASE + ALTERNATE ITEMS   CONTRACTOR BID   UNIT COST   UNIT COST   I  <			DATE DATE DATES GENERAL NOTES	MILLIAMS ARROYO HARTMAN PARK	
PHAS ITEM BASE PROJE 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNATE 9A 15 16 17	DESCRIPTION CT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6'' Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24'' Rock w/ Chokestone Remove Curb Replace Curb Remove Asphalt	QUANTITY QUANTTY QUAN	TOTA TOTAL BA TOTAL BA UNIT UNIT L.F. UNIT L.F. U.F. L.F. L.F. C.Y. C.Y. C.Y. S.F. S.Y. S.F. S.Y. L.F. L.F. L.F. C.Y. C.Y. S.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. S.F. S.Y. L.F. S.Y. S.F. S.F. S.Y. S.F.	L ALTERNATE ITEMS         ASE + ALTERNATE ITEMS         ASE + ALTERNATE ITEMS         CONTRACTOR BID         UNIT COST         I			S 1/7/2025 GENERAL NOTES	MILLIAMS ARROYO HARTMAN PARK	

	PHA	SE 1 – MATERIALS ESTIMATE					Ŭ Û	)		
ED BY A GEOTECHNICAL ENGINEERING COMPANY TO								'n	00	
G. THE CONTRACTOR SHALL COORDINATE WITH GEOMAT					CONTRACTOR BID				20.7	
ROL TESTING AS NECESSARY TO PROVIDE ACCEPTABLE	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST		erir	bg i	
8.	BASE PRO	DJECT ITEMS						gine	<u>3</u> 3 3 3 1 0	
ENSITY PER NMDOT SPECIFICATIONS SECTION 203.3.5	1	1 Mobilization and Demobilization	1.0	UNIT				ы Ш м	, I , 86	ō
	2	2 Temporary Security Fencing 6'	100.0	L.F.				Ce		い い
THE THEORETICAL MAXIMUM DENSITY. REFER TO		B Erosion Control - Rock Berm	60.0	L.F.				cien (		Ð
		Gabion Mat 1 5'x10'x1' HxWyl ength	70.0					N N	= \$`.";	D D
IX SHALL BE TESTED BY GEOMAT.		5 Gabion 3'X3'x1ft HxWxL	70.0	L.F.				uin Duin	μ Σ Ω Τ Ω	alte
SHALL BE SUBMITTED TO GEOMAT FOR APPROVAL PRIOR		7 Gabion 3'X4'x1ft HxWxL	70.0	L.F.				Jan	δ S S S S S S S S S S S S S S S S S S	
	5	Gabion 3'X5'x1ft HxWxL	70.0	L.F.				ter	SP C R	a S
ONTRACTOR MAY OBTAIN SPECIFICATION BORROW AND	9B	Gabion Fill Option 2: 6" Riprap, Well Graded	133.0	C.Y.				N N	ם < <u>ב</u>	Ц С
SHALL BE GOVERNED BY APPROPRIATE SECTIONS OF THE	10	O Gravel Base	16.0	C.Y.					ν <u>– i</u> ,	ă
	11	I Gravel Drainage Stone	16.0	C.Y.					ла 25 с	≥
	12	2 Geotextile	218.0	S.Y.					Nq SCI	≷
	14	1 Replace Sidewalk	32.0	5.1. S.Y				<u> </u>		5
	21	L Post and Cable Fencing	235.0	L.F.						
					TOTAL BASE ITEMS					
	ALTERNA	TE PROJECT ITEMS						J YU	ENNIS	
		Gabion Fill Option 1: 24" Rock w/						N N	METOTE	
	9A	Chokestone	133.0	C.Y.			1		8718	
	15	Remove Curb	70.0	L.F.			1	116		
	17	7 Remove Asphalt	1 400 0	L.F.				S TOP		
	18	Replace Asphalt	1,400.0	5.1. S.Y				maria	ONAL ENST	)
	19	9 Excavation	389.0	C.Y.				1 4 5	e proce u	
	20	D Subgrage Preparation	78.0	S.Y.						
	22	2 Culvert Headwall	0.0	UNIT						_
				ΤΟΤΑ	L ALTERNATE ITEMS					
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		TOTAL BA	ASE + ALTERNATE ITEMS		2	S	Z	AN PARK
XCLUDED AREA OT PART OF BID	РНА	SE 2+PHASE 3			ASE + ALTERNATE ITEMS		3	TES	TION	TMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	РНА	SE 2+PHASE 3			ASE + ALTERNATE ITEMS			IOTES	ZATION	ARTMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM	SE 2+PHASE 3 DESCRIPTION	QUANTITY		ASE + ALTERNATE ITEMS	COST		NOTES	IZATION	HARTMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ	SE 2+PHASE 3 DESCRIPTION ECT ITEMS	QUANTITY		ASE + ALTERNATE ITEMS	COST		- NOTES	ILIZATION	HARTMAN PARK
XCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1	SE 2+PHASE 3           DESCRIPTION           ECT ITEMS           Mobilization and Demobilization	QUANTITY 1.0		ASE + ALTERNATE ITEMS	COST		<b>AL NOTES</b>	<b>NDILIZATION</b>	O HARTMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2	SE 2+PHASE 3           DESCRIPTION           ECT ITEMS           Mobilization and Demobilization           Temporary Security Fencing 6'	QUANTITY 1.0 100.0	UNIT L.F.	ASE + ALTERNATE ITEMS	COST		RAL NOTES	<b>FABILIZATION</b>	NAC HARTMAN DARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection	QUANTITY 1.0 100.0 60.0 1.0	UNIT UNIT L.F. L.F.	ASE + ALTERNATE ITEMS	COST		RAL NOTES	STABILIZATION	SOVO HARTMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0	TOTAL BA	ASE + ALTERNATE ITEMS	COST		ERAL NOTES	<b>STABILIZATION</b>	SROVO HARTMAN PARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 525.0 525.0	TOTAL BA	ASE + ALTERNATE ITEMS			NERAL NOTES	NK STABILIZATION	ARROYO HARTMAN DARK
XCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL	QUANTITY QUANTITY 1.0 100.0 60.0 1.0 60.0 1.0 525.0 525.0	TOTAL BA	ASE + ALTERNATE ITEMS			ENERAL NOTES	ANK STABILIZATION	ARROYO HARTMAN DARK
XCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL	QUANTITY         QUANTITY         1.00         1.00.0         60.00         1.00         525.00         525.00         525.00         525.00	UNIT UNIT L.F. UNIT L.F. L.F. L.F. L.F. L.F.	ASE + ALTERNATE ITEMS			<b>BENERAL NOTES</b>	BANK STABILIZATION	AS ARROYO HARTMAN DARK
XCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded	QUANTITY         QUANTITY         1.00         1.00.0         60.00         1.00         525.00         525.00         525.00         525.00         525.00         10076.00	UNIT UNIT UNIT L.F. UNIT L.F. L.F. L.F. L.F. L.F. L.F. L.F. C.Y.	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	MS ARROVO HARTMAN DARK
XCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL	QUANTITY         QUANTITY         1.0         1.0         60.0         100.0         60.0         525.0         525.0         525.0         525.0         525.0         1076.0         116.0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	IAMS ARROVO HARTMAN PARK
XCLUDED AREA OT PART OF BID DR PHASE 1	PHA <b>ITEM</b> BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 10 11 12 10 11 12 10 10	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 5'X10ption 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone	QUANTITY QUANTT	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	NADA ARROVO HARTMAN PARK
KCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 12 12	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Bomaya Sidowalk	QUANTITY QUANTITY QUANTITY 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 116.0 116.0 116.0 116.0 116.0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	IN LIAMS ARROYO HARTMAN PARK
KCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 13 14	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X3'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6'' Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk	QUANTITY         QUANTITY         1.0         1.0.0         0.0.0         1.0.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         116.0         1,680.0         840.0         94.0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	NULLIAMS ARROVO HARTMAN PARK
KCLUDED AREA OT PART OF BID OR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 13 14 21	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X3'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk	QUANTITY         QUANTITY         1.0         1.0         0.100.0         60.0         1.0         525.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         116.0         335.0	TOTAL BA	ASE + ALTERNATE ITEMS			<b>GENERAL NOTES</b>	BANK STABILIZATION	WILLIAMS ARROYO HARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 13 14 21	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 5'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk	QUANTITY         QUANTITY         1.0         1.0         0.100.0         60.0         1.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         116.0         335.0	TOTAL BA	ASE + ALTERNATE ITEMS			GENERAL NOTES	BANK STABILIZATION	A WILLIAMS ARROVO HARTMAN PARK
KCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNAT	DESCRIPTION         ECT ITEMS         Mobilization and Demobilization         Temporary Security Fencing 6'         Erosion Control - Rock Berm         Erosion Control - Inlet Protection         Gabion Mat 1.5'x10'x1' HxWxLength         Gabion 3'X3'x1ft HxWxL         Gabion 3'X5'x1ft HxWxL         Gabion 3'X5'x1ft HxWxL         Gabion Fill Option 2: 6'' Riprap, Well Graded         Gravel Base         Gravel Drainage Stone         Geotextile         Remove Sidewalk         Post and Cable Fencing         EPROJECT ITEMS	QUANTITY         QUANTITY         QUANTITY         1.0         1.0.0         60.0         1.00.0         60.0         1.00.0         60.0         1.00         525.0         525.0         525.0         1076.0         116.0         116.0         1,680.0         840.0         94.0         335.0	TOTAL BA	ASE + ALTERNATE ITEMS			GENERAL NOTES	BANK STABILIZATION	MILLIAMS ARROVO HARTMAN DARK
KCLUDED AREA OT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNAT	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6'' Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24'' Rock w/	QUANTITY         QUANTITY         1.0         1.0.0         0.100.0         60.0         1.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         335.0         335.0	TOTAL BA	ASE + ALTERNATE ITEMS			DATE COLORING CONTRAL NOTES		MILLIAMS ARROVO HARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 9B 10 11 12 13 14 21 ALTERNAT 9A	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone	QUANTITY         QUANTITY         1.0         1.0.0         0.100.0         0.0.0         1.00.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         335.0         94.0         335.0         1076.0	TOTAL BA	ASE + ALTERNATE ITEMS			7/2025 GENERAL NOTES	BANK STABILIZATION	ARCYCHARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 9B 10 11 12 13 14 21 ALTERNAT 9A 15	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 5'ill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Baplace Curb	QUANTITY         QUANTITY         1.0         1.0         0.100.0         60.0         1.0         525.0         525.0         525.0         525.0         1076.0         116.0         116.0         335.0         1076.0         210.0	TOTAL BA	ASE + ALTERNATE ITEMS			1/7/2025 GENERAL NOTES	BANK STABILIZATION	HIT WILLIAMS ARROVO HARTMAN PARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 5 6 7 8 9B 10 11 12 13 14 21 ALTERNAT 9A 15 16 17	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Replace Curb Replace Curb	QUANTITY         QUANTITY         QUANTITY         1.0         1.0         0.100.0         60.0         1.0         525.0         525.0         525.0         525.0         1076.0         116.0         1,680.0         840.0         94.0         335.0         1076.0         210.0         210.0	TOTAL BA	ASE + ALTERNATE ITEMS			Sector Se		MILLIAMS ARROVO HARTMAN PARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA  FITEM  BASE PROJ  1  2  3  4  5  6  7  8  9  10  11  12  3  4  5  6  7  8  9  10  11  12  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  12  13  14  21  14  21  15  16  17  18  18  18  18  18  18  18  18  18	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Remove Asphalt Replace Asphalt	QUANTITY         QUANTITY         1.0         1.0.0         0.100.0         60.0         1.00.0         60.0         1.00         525.0         525.0         525.0         1076.0         116.0         1,680.0         94.0         335.0         1076.0         1076.0         210.0         4,200.0         467.0	TOTAL BA	ASE + ALTERNATE ITEMS			I ATE DATE A DATES I 1/7/2025	BANK STABILIZATION	ARROVO HARTMAN PARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 2 3 4 2 3 4 2 3 4 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 19 10 11 12 13 11 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 12 13 14 15 16 17 16 17 18 19 19	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing E PROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Remove Asphalt Replace Asphalt Replace Asphalt Replace Asphalt	QUANTITY         QUANTITY         I         1.0         1.0.0         0         1.00.0         60.00         1.00         525.0         525.0         525.0         1076.0         116.0         116.0         335.0         1076.0         1076.0         210.0         4,200.0         4,200.0         467.0	TOTAL BA	ASE + ALTERNATE ITEMS			I Phases 1/7/2025 GENERAL NOTES	BANK STABILIZATION	ARROVO HARTMAN PARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 2 3 4 2 3 4 5 6 7 8 9B 10 11 12 3 4 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 19 20 17 18 19 20 17 18 19 20	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X3'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Post and Cable Fencing PROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Remove Asphalt Replace Asphalt Replace Asphalt Excavation Subgrage Preparation	QUANTITY         QUANTITY         QUANTITY         1.0         1.0         1.0         0.00         1.0         1.0         1.0         1.0         1.0         525.0         525.0         1076.0         116.0         116.0         116.0         335.0         0         1076.0         1000.0         210.0         210.0         467.0         2,889.0         578.0	TOTAL BA	ASE + ALTERNATE ITEMS			- All Phases 1/7/2025 GENERAL NOTES	BANK STABILIZATION	ARROYO HARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 2 3 4 2 3 4 2 3 4 2 3 4 5 6 7 8 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 9B 10 11 15 16 17 18 19 10 11 11 12 13 14 21 13 14 21 15 16 17 18 19 20 21 17 18 19 20 20 22	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6'' Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24'' Rock w/ Chokestone Remove Curb Replace Curb Replace Curb Replace Asphalt Replace Asphalt Replace Asphalt Replace Preparation Culvert Headwall	QUANTITY         QUANTITY         QUANTITY         I         1.00         0         1.00         60.00         1.00         60.00         1.00         525.00         525.00         1076.00         1116.00         116.00         335.00         1076.00         210.00         210.00         467.00         2,889.00         578.00         0.00	TOTAL BA	ASE + ALTERNATE ITEMS			TION DATE DATE DATE DATE AII Phases 1/7/2025 GENERAL NOTES	BANK STABILIZATION	ARCYCHARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA ITEM BASE PROJ 1 2 3 4 5 6 7 8 9B 10 11 12 3 4 5 6 7 8 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 9B 10 11 12 13 14 21 13 14 21 13 14 21 13 14 21 13 14 21 15 16 17 18 19 20 22 22	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Remove Asphalt Replace Asphalt Excavation Subgrage Preparation Culvert Headwall	QUANTITY         QUANTITY         QUANTITY         I         1.00         60.00         100.00         60.00         525.00         525.00         525.00         1076.00         1116.00         116.00         335.00         1076.00         210.00         210.00         467.00         2,889.00         578.00         0.00	TOTAL BA	ASE + ALTERNATE ITEMS   ASE + ALTERNATE ITEMS   CONTRACTOR BID   UNIT COST   UNIT COST   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I   I    I			Tables - All Phases 1/7/2025 GENERAL NOTES	BANK STABILIZATION	ARCYCHARTMAN DARK
KCLUDED AREA DT PART OF BID DR PHASE 1	PHA  FITEM  BASE PROJ  1  2  3  4  5  6  7  8  9  10  11  12  3  4  5  6  7  8  9  10  11  12  13  14  21  13  14  21  13  14  21  13  14  21  18  19  20  22	SE 2+PHASE 3 DESCRIPTION ECT ITEMS Mobilization and Demobilization Temporary Security Fencing 6' Erosion Control - Rock Berm Erosion Control - Inlet Protection Gabion Mat 1.5'x10'x1' HxWxLength Gabion 3'X3'x1ft HxWxL Gabion 3'X4'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion 3'X5'x1ft HxWxL Gabion Fill Option 2: 6" Riprap, Well Graded Gravel Base Gravel Drainage Stone Geotextile Remove Sidewalk Replace Sidewalk Replace Sidewalk Post and Cable Fencing EPROJECT ITEMS Gabion Fill Option 1: 24" Rock w/ Chokestone Remove Curb Replace Curb Replace Curb Replace Asphalt Excavation Subgrage Preparation Culvert Headwall	QUANTITY         QUANTITY         QUANTITY         1.0         1.0.0         60.0         1.00.0         60.0         1.0         525.0         525.0         525.0         1076.0         116.0         1,680.0         335.0         1076.0         210.0         210.0         467.0         2,889.0         578.0         0.0	TOTAL BA	ASE + ALTERNATE ITEMS			IDESCRIPTION DATE DATE DATE DATE DATE DATE AII Phases 1/7/2025 GENERAL NOTES	BANK STABILIZATION	

APRIL 5, 2024 DATE: DESIGNED BY: GC TDO DRAWN BY: RT-MEI REVIEWED BY: TDO SHEET #



## <u>LEGEND</u>





PROPOSED CONTOUR LIMITS OF CONSTRUCTION FILTER DIKE/INLET PROTECTION FLOW ARROW -x-x-x TEMPORARY SECURITY FENCE



#### **CONSTRUCTION SEQUENCING:**

PHASE 1 SHALL BE CONSTRUCTED TO COMPLETION FIRST AS PART OF CURRENT BID PROJECT.

PHASE 2 AND PHASE 3 SHALL BE CONSTRUCTED AS PART OF A SEPARATE BID PACKAGE AT A LATER DATE TO BE DETERMINED BY THE CITY.

NOTE: OTHER CONTRACTORS COULD BE WORKING ON THIS SITE. COORDINATE ALL ACTIVITIES WITH THE ACTIVITIES OF OTHERS.

PHASE 1 SEQUENCE

- NOTIFY ALL AFFECTED PARTIES AS PRESCRIBED UNDER GENERAL NOTES. 1.
- PRIOR TO STARTING CONSTRUCTION, CONSTRUCTION SHALL BE COMPLETED ACCORDING TO A TIMETABLE OF CONSTRUCTION AGREED UPON WITH THE ENGINEER. CONSTRUCTION IS TO BE SUBSTANTIALLY COMPLETE BY JUNE 26, 2024.
- 3. THE SEQUENCE OF CONSTRUCTION INSIDE PHASE 1 SHALL BE AS FOLLOWS: a. INSTALL TEMPORARY EROSION CONTROLS PRIOR TO ANY GROUND DISTURBANCE.
- b. THE ORDER OF CONSTRUCTION SHALL BE THE CONTRACTOR'S DECISION. c. RESTORE SITE VEGETATION.
- 4. COMPLETE ANY NECESSARY FINAL DRESS-UP.

PHASE 2 AND PHASE 3

- NOTIFY ALL AFFECTED PARTIES AS PRESCRIBED UNDER GENERAL NOTES.
- PRIOR TO STARTING CONSTRUCTION, CONSTRUCTION SHALL BE COMPLETED ACCORDING TO A TIMETABLE OF CONSTRUCTION AGREED UPON WITH THE ENGINEER.
- THE SEQUENCE OF CONSTRUCTION INSIDE PHASE 2 SHALL BE AS FOLLOWS: a. INSTALL TEMPORARY EROSION CONTROLS PRIOR TO ANY GROUND DISTURBANCE. b. THE ORDER OF CONSTRUCTION SHALL BE THE CONTRACTOR'S DECISION.
- c. RESTORE SITE VEGETATION.
- 4. COMPLETE ANY NECESSARY FINAL DRESS-UP.









STA OF BACK OF GABION WALL	NORTHING	EASTING
1+00	2117688.83	2672302.28
2+00	2117590.17	2672286.51
2+42	2117548.40	2672282.37
3+00	2117490.58	2672287.19
3+14	2117476.65	2672288.48
4+75	2117320.38	2672327.25
6+83	2117117.79	2672374.34







### LEGEND

-452- --- EXISTING CONTOUR PROPOSED CONTOUR FLOW ARROW

NOTES:

- CONTRACTOR SHALL SECURE NEW GABIONS TO 1. EXISTING UNDESTURBED ADJACENT GABIONS USING TYPICAL TIES.
- CONTRACTOR SHALL TRANSITION FINISH GRADING SMOOTHLY BETWEEN NEW FILL AND EXISTING GRADE.
- CONTRACTOR SHALL ATTEMPT TO AVOID 3. DISTURBING EXISTING CURB AND PAVEMENT IF SAFELY POSSIBLE.

STA OF BACK OF GABION WALL	NORTHING	EASTING
1+00	2117688.83	2672302.28
2+00	2117590.17	2672286.51
2+42	2117548.40	2672282.37
3+00	2117490.58	2672287.19
3+14	2117476.65	2672288.48
4+75	2117320.38	2672327.25
6+83	2117117.79	2672374.34









			DIMENSIONS			APPROXIMAT	EQUANTITIES	
NRIFE					SINGLE PIPI	E HEADWALL	ADD EACH AD	DITIONAL PIPE
DIAMETER	edl.	Be	5 <b>99</b> 6	8	CONC. CY.	REIN STEEL LBS	CONC-	REIN STEE
12	8	4'0"	5'-7 7/16"	1'-6"	1.60	93	0.71	38
15	8	4'-5"	6'-5 3/8"	1.06	1.72	118	0.73	44
18	8	5'-0"	7'-3 1/4"	1-9*	2.00	133	0.92	49
21	9	5'-6"	7'-6 5/16"	1'9*	2.39	150	1.09	55
24	9	6'-0"	8'-11 1/8"	2'-0"	2.79	182	1.35	74
27	9	6'6"	9'-9"	2'-3"	3.15	201	1.59	во
30	10	7'-0"	10'-7"	2'6"	3.81	231	1.93	100
36	10	8'-0"	12'-2 7/8"	3'-0*	4.65	288	2.51	130
42	10	9'-0"	13'-10 11/16"	3'-6"	5.61	330	3.19	164
48	11	10'0"	15'-6 9/16"	4'-0*	7.02	404	4.11	202
54	11	11'-0"	17'-2 7/16"	4'-6"	8.25	468	4.96	242
60	12	12'-0"	18'-10 1/4"	5'-0*	10.16	540	6.11	287
72	12	14'-0"	22'-2*	5'-6*	12.94	650	7.69	344
	FOR AND	eluptical f	or Squash Pipe IPE I.D. Shown.	USE NEXT	LARGEST HORIZ	ZONTAL		