## 2023 Financial Assurance Estimate Form

(with pre-plat construction)

FAWWA Water Treatment Plant

Project Name

tion)		Updated: 12/8/2022
	PROJECT INFORMATION	
	10/19/2023	PPR2314
	Date	PCD File No.

	Unit						(with Pre-Plat Construction)			
Description	Quantity	Units		Cost			Total	% Complete		Remaining
SECTION 1 - GRADING AND EROSION CONTROL	(Construction	and Perma	nen	t BMPs)						
Earthwork										
less than 1,000; \$5,300 min	450	CY	\$	8.00	=	\$	5,300.00		\$	5,300.00
1,000-5,000; \$8,000 min		CY	\$	6.00	=	\$	-		\$	-
5,001-20,000; \$30,000 min		CY	\$	5.00	=	\$	-		\$	-
20,001-50,000; \$100,000 min		CY	\$	3.50	=	\$	-		\$	-
50,001-200,000; \$175,000 min		CY	\$	2.50	=	\$	-		\$	-
greater than 200,000; \$500,000 min		CY	\$	2.00	=	\$	-		\$	-
Permanent Erosion Control Blanket		SY	\$	8.00	=	\$	-		\$	-
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.61	AC	\$	1,875.00	=	\$	3,018.75		\$	3,018.75
Temp. Pond/BMP (provide engineer's estimate)	2	EA	\$	5,000.00	=	\$	10,000.00		\$	10,000.00
Concrete Washout Basin		EA	\$	1,089.00	=	\$	-		\$	-
Inlet Protection		EA	\$	202.00	=	\$	-		\$	-
Rock Check Dam	2	EA	\$	605.00	=	\$	1,210.00		\$	1,210.00
Safety Fence		LF	\$	3.00	=	\$	-		\$	-
Sediment Basin	2	EA	\$	2,132.00	=	\$	4,264.00		\$	4,264.00
Sediment Trap		EA	\$	500.00	=	\$	-		\$	-
Silt Fence	305	LF	\$	3.00	=	\$	915.00		\$	915.00
Slope Drain		LF	\$	40.00		\$	-		\$	-
Straw Bale		EA	\$	31.00	=	\$	-		\$	-
Straw Wattle/Rock Sock		LF	\$	7.00	=	\$	-		\$	-
Surface Roughening		AC	\$	250.00		\$	-		\$	-
Temporary Erosion Control Blanket	210.0	SY	\$	3.00	=	\$	630.00		\$	630.00
Temporary Seeding and Mulching	0.3	AC	\$	1,666.00	=	\$	416.50		\$	416.50
Vehicle Tracking Control	1	EA	\$	2,867.00	=	\$	2,867.00		\$	2,867.00
					=	\$	-		\$	-
[insert items not listed but part of construction plans]					=	\$	-		\$	-
MAI	NTENANCE (35%	∕₀ of Constr	ucti	on BMPs)	=	\$	3,605.88		\$	3,605.88
* - Subject to defect warranty financial assurance. A minimum of 20% shall										
be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)		Section	on 1	Subtotal	=	\$	32,227.13		\$	32,227.13
SECTION 2 - PUBLIC IMPROVEMENTS *						_				

## ROADWAY IMPROVEMENTS

							*
Construction Traffic Control	LS			=	\$ -	\$ -	*
Aggregate Base Course (135 lbs/cf)	Ton	s \$	34.00	=	\$ -	\$ -	*
Aggregate Base Course (135 lbs/cf)	CY	′ §	61.00		\$ -	\$ -	*
Asphalt Pavement (3" thick)	SY	′ (\$	17.00		\$ -	\$ -	*
Asphalt Pavement (4" thick)	SY	′ (\$	23.00		\$ -	\$ -	*
Asphalt Pavement (6" thick)	SY	′ (	35.00		\$ -	\$ -	*
Asphalt Pavement (147 lbs/cf)" thick	Ton	s \$	106.00	=	\$ -	\$ -	*
Raised Median, Paved	SF		10.00	=	\$ -	\$ -	*
Regulatory Sign/Advisory Sign	EA	. 4	364.00	=	\$ -	\$ -	*
Guide/Street Name Sign	EA			=	\$ -	\$ -	*
Epoxy Pavement Marking	SF		16.00	=	\$ -	\$ -	*
Thermoplastic Pavement Marking	SF	:   \$	28.00	=	\$ -	\$ -	*
Barricade - Type 3	EA	. 9	241.00	=	\$ -	\$ -	*
Delineator - Type I	EA	. 9	29.00	=	\$ -	\$ -	*
Curb and Gutter, Type A (6" Vertical)	LF	9	35.00	=	\$ -	\$ -	*
Curb and Gutter, Type B (Median)	LF	9	35.00	=	\$ -	\$ -	*
Curb and Gutter, Type C (Ramp)	LF	9	35.00	=	\$ -	\$ -	*
4" Sidewalk (common areas only)	SY	·   §	58.00	=	\$ -	\$ -	*
5" Sidewalk	SY		72.00	=	\$ -	\$ -	*
6" Sidewalk	SY	· §	87.00	=	\$ -	\$ -	*
8" Sidewalk	SY	'   9	116.00		\$ -	\$ -	*
Pedestrian Ramp	EA	. 9	1,390.00	=	\$ -	\$ -	*
Cross Pan, local (8" thick, 6' wide to include return)	LF	9	73.00	=	\$ -	\$ -	*
Cross Pan, collector (9" thick, 8' wide to include return)	LF	9	111.00		\$ -	\$ -	*
Curb Opening with Drainage Chase	EA	. 9	1,790.00	=	\$ -	\$ -	*
Guardrail Type 3 (W-Beam)	LF	9	60.00	=	\$ -	\$ -	*
Guardrail Type 7 (Concrete)	LF	9	87.00	=	\$ -	\$ -	*
Guardrail End Anchorage	EA	. 9	2,538.00	=	\$ -	\$ -	*
Guardrail Impact Attenuator	EA	. 9	4,556.00	=	\$ -	\$ -	*
Sound Barrier Fence (CMU block, 6' high)	LF	5	95.00		\$ -	\$ -	*
Sound Barrier Fence (panels, 6' high)	LF	\$	97.00	=	\$ -	\$ -	*
Electrical Conduit, Size =	LF	5	20.00	=	\$ -	\$ -	*
Traffic Signal, (provide engineer's estimate)	EA			=	\$ -	\$ -	*
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PROJECT INFORMATION							
FAWWA Water Treatment Plant 10/19/2023 PPR2314							
Project Name	Date	PCD File No.					

escription	Quantity	Units	Unit Cost		Total	(with Pr % Complete	e-Plat Construction) Remaining
				=	\$ -		\$
insert items not listed but part of construction plans]				=	\$ -		\$
ORM DRAIN IMPROVEMENTS					'		
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$
18" Reinforced Concrete Pipe		LF	\$ 76.00	=	\$ -		\$
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$ -		\$
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$ -		\$
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$ -		\$
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$ -		\$
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$ -		\$
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$ -		\$
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$ -		\$
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$ -		\$
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$ -		\$
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$ -		\$
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$ -		\$
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$ -		\$
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$ -		\$
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$ -		\$
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$ -		\$
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$ -		\$
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$ -		\$
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$ -		\$
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$ -		\$
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$ -		\$
84" Corrugated Steel Pipe		LF	\$ 642.00		\$ -		\$
Flared End Section (FES) RCP Size =			Ç 042.00				
(unit cost = 6x pipe unit cost)		EA		=	-		\$
Flared End Section (FES) CSP Size =				=	\$ -		\$
(unit cost = 6x pipe unit cost)		EA					
End Treatment- Headwall		EA		=	\$ -		\$
End Treatment- Wingwall		EA		=	\$ -		\$
End Treatment - Cutoff Wall		EA		=	\$ -		\$
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$ -		\$
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$ -		\$
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$ -		\$
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$ -		\$
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$ -		\$
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$ -		\$
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$ -		\$
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$ -		\$
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$ -		\$
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$ -		\$
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$ -		\$
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$ -		\$
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$ -		\$
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00	=	\$ -		\$
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$ -		\$
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$ -		\$
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00		\$ -		\$
Rip Rap, Grouted		Tons	\$ 115.00	=	\$ -		\$
Drainage Channel Construction, Size ( W x H )		LF	\$ -		\$ -		\$
Drainage Channel Lining, Concrete		CY	\$ 689.00		\$ -		\$
Drainage Channel Lining, Concrete  Drainage Channel Lining, Rip Rap		CY	\$ 135.00		\$ -		\$
		AC	\$ 1,776.00	=	\$ -		\$
Drainage Channel Lining, Grass		AC	1,//٥.٥٥	=	\$ -		\$
Drainage Channel Lining, Other Stabilization							
Support theme and linked but next of account of the second				=	Ψ		Ψ
[insert items not listed but part of construction plans] Subject to defect warranty financial assurance. A minimum of 20% shall				=	\$ -		\$

PROJECT INFORMATION							
FAWWA Water Treatment Plant 10/19/2023 PPR2314							
Project Name	Date	PCD File No.					

Project Name	_		Da	ate				PCD File No.	
				Unit				(with De-	-Plat Construction)
Description	Quantity	Units		Cost			Total	% Complete	Remaining
•			-	-	T Mainta	in a d last E		% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROPRIED TO BE A COMMON DEVELOPMENT IMPROPENTS	OVEMEN 13 (Pri	vate or Dis	STFIC	t and NU	i Mainta	inea by E	PC)**		
ROADWAY IMPROVEMENTS									
					=	\$			\$ -
						\$			\$ -
					_	\$	_		\$ -
					_	\$	_		\$ -
					=	\$	-		\$ -
					=	\$	-		\$ -
STORM DRAIN IMPROVEMENTS (Exce	ption: Permanent Po	nd/BMP shall l	be ite	emized unde	r Section 1)				
,					= '	\$	-		\$ -
					=	\$	-		\$ -
					=	\$	-		\$ -
					=	\$	-		\$ -
					=	\$	-		\$ -
					=	\$	-		\$ -
WATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC), Size 8"		LF	\$	78.00	=	\$	-		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	91.00	=	\$	-		\$ -
Gate Valves, 8"		EA	\$	2,247.00	=	\$	-		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$	7,978.00	=	\$	-		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$	1,601.00	=	\$	-		\$ -
Fire Cistern Installation, complete		EA			=	\$	-		\$ -
					=	\$	-		\$ -
[insert items not listed but part of construction plans]					=	\$	-		\$ -
SANITARY SEWER IMPROVEMENTS				70.00					1
Sewer Main Pipe (PVC), Size 8"		LF	\$	78.00	=	\$	-		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	5,305.00	=	\$	-		\$ -
Sanitary Service Line Installation, complete Sanitary Sewer Lift Station, complete		EA EA	\$	1,696.00	=	\$			\$ - \$ -
Sanitary Sewer Lift Station, complete		EA				\$			\$ -
[insert items not listed but part of construction plans]						\$			\$ -
LANDSCAPING IMPROVEMENTS	(For subdivision sp	ecific condition	n of a	annroval or		Ψ			Ψ -
o IIII NOTEMENTO	(1 or adpartision sp	EA	ii oi a	approvai, Ui	=	\$			\$ -
		EA				\$	-		\$ -
		EA			=	\$	-		\$ -
		EA			=	\$	-		\$ -
		EA			=	\$	_		\$ -
** - Section 3 is not subject to defect warranty requirements			n 3	Subtotal	=	\$	_		<b>s</b> -

PROJECT INFORMATION							
FAWWA Water Treatment Plant 10/19/2023 PPR2314							
Project Name	Date	PCD File No.					

			Unit				(with Pre	-Plat C	Construction)
Description	Quantity	Units	Cost			Total	% Complete		Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQ	(CV BMPs)	LS	\$ 2,000.00	=	\$	2,000.00		\$	2,000.00
POND/BMP CERTIFICATION (inc. elevations and volume cal	lculations)	LS		=	\$	-		\$	-
				Tota	l Constru	uction Financia	I Assurance	\$	34,227.13
			(Sum of all se	ection subtot	tals plus as	-builts and pond/BN	MP certification)		
	Total Remai	ning Const	ruction Fina	ncial Assi	urance (\	with Pre-Plat Co	onstruction)	\$	34,227.13
	(Sum of a	all section totals	s less credit for	items compl	ete plus as	-builts and pond/BN	MP certification)		·
	,			·	·	·	,		
Total Defect Warranty Financial Assurance \$ 3.							3,663.75		
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)							-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

AN WAS THE	n the Grading and Erosion Control Plan and Construction Drawings associated with the Project.
37155 10/19/2023	
THE SOLONAL ENGINEERING	10/19/2023
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date