2015 Financial Assurance Estimate Form

(Basic form) 10/10/18 Add PCD File NO. PPR1848

Project Information	
STORMWATER MGMT AKERS ACRES LOT 8	**10/10/18**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	**Quantity**	**Units**		**Price**			
Earthwork*	3,000.00	CY	@	$ $5	=	$ 15,000.00	*
Permanent Seeding* (inc. noxious weed management)	1.00	AC	@	$ $582	=	$ 582.00	*
Mulching*	1.00	AC	@	$ $507	=	$ 507.00	*
Permanent Erosion Control Blanket*		SY	@	$ $6	=	$	*
Temporary Erosion Control Blanket		SY	@	$ $3		$	
Vehicle Tracking Control	1.00	EA	@	$ $1,625	=	$ 1,625.00	
Safety Fence		LF	@	$ $3	=	$	
Silt Fence	1,400.00	LF	@	$ $4	=	$ 5,600.00	
Temporary Seeding		AC	@	$ $485	=	$	
Temporary Mulch		AC	@	$ $507	=	$	
Erosion Bales		EA	@	$ $21	=	$	
Erosion Logs		LF	@	$ $6	=	$	
Rock Ditch Checks		EA	@	$	=	$	
Inlet Protection	2.00	EA	@	$ $153	=	$ 306.00	
Sediment Basin		EA	@	$ $1,625	=	$	
Concrete Washout Basin	1.00	EA	@	$ $776	=	$ 776.00	
			@	$	=	$	
pecified items subject to defect warranty financial assurance							
				Section 1 Subtotal	=	$ 24,396.00	

Section 2 - Public Improvements**	**Quantity**	**Units**		**Price**		
- Roadway Improvements						
Construction Traffic Control		LS	@	$	=	$
Aggregate Base Course		Tons	@	$ $18	=	$
Asphalt Pavement		Tons	@	$ $65	=	$
Raised Median, Paved		SF	@	$ $7	=	$
Electrical Conduit, Size =		LF	@	$ $14	=	$
Traffic Signal, complete intersection		EA	@	$ $250,000	=	$
Regulatory Sign		EA	@	$ $100	=	$
Advisory Sign		EA	@	$ $100	=	$
Guide/Street Name Sign		EA	@	$		$
Epoxy Pavement Marking		SF	@	$ $12	=	$
Thermoplastic Pavement Marking		SF	@	$ $22	=	$
Barricade - Type 3		EA	@	$ $115	=	$
Delineator (Type I)		EA	@	$ $21	=	$
Curb and Gutter, Type C (Ramp)		LF	@	$ $21	=	$
Curb and Gutter, Type A (6" Vertical)		LF	@	$ $16	=	$
Curb and Gutter, Type B (Median)		LF	@	$ $13	=	$
Pedestrian Ramp		SY	@	$ $108	=	$

Cross Pan		SY	@	$ $53	=	$
Curb Chase		EA	@	$ $1,300	=	$
Guardrail Type 3 (W-Beam)		LF	@	$ $18	=	$
Guardrail Type 7 (Concrete)		LF	@	$ $67	=	$
Guardrail End Anchorage		EA	@	$ $1,978	=	$
Guardrail Impact Attenuator		EA	@	$ $3,564	=	$
Sound Barrier Fence		LF	@	$ $100	=	$
- Storm Drain Improvements						
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	$	=	$
Reinforced Concrete Pipe (RCP) Size		LF	@	$	=	$
18" Reinforced Concrete Pipe		LF	@	$ $69	=	$
24" Reinforced Concrete Pipe		LF	@	$ $84	=	$
30" Reinforced Concrete Pipe		LF	@	$ $94	=	$
36" Reinforced Concrete Pipe		LF	@	$ $124	=	$
42" Reinforced Concrete Pipe		LF	@	$ $134	=	$
48" Reinforced Concrete Pipe		LF	@	$ $178	=	$
54" Reinforced Concrete Pipe		LF	@	$ $182	=	$
60" Reinforced Concrete Pipe		LF	@	$ $216	=	$
66" Reinforced Concrete Pipe		LF	@	$ $263	=	$
72" Reinforced Concrete Pipe		LF	@	$ $283	=	$
Corrugated Steel Pipe (CSP) Size		LF	@	$	=	$
18" Corrugated Steel Pipe		LF	@	$ $66	=	$
24" Corrugated Steel Pipe		LF	@	$ $96	=	$
30" Corrugated Steel Pipe		LF	@	$ $101	=	$
36" Corrugated Steel Pipe		LF	@	$ $136	=	$
42" Corrugated Steel Pipe		LF	@	$ $147	=	$
48" Corrugated Steel Pipe		LF	@	$ $169	=	$
54" Corrugated Steel Pipe		LF	@	$ $193	=	$
60" Corrugated Steel Pipe		LF	@	$ $227	=	$
66" Corrugated Steel Pipe		LF	@	$ $278	=	$
72" Corrugated Steel Pipe		LF	@	$ $330	=	$
78" Corrugated Steel Pipe		LF	@	$ $381	=	$
84" Corrugated Steel Pipe		LF	@	$ $432	=	$
Flared End Section (FES) RCP		EA	@	$	=	$
Flared End Section (FES) CSP		EA	@	$	=	$
End Treatment- Headwall		EA	@	$	=	$
End Treatment- Wingwall		EA	@	$	=	$
End Treatment - Cutoff Wall		EA	@	$	=	$
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	$ $3,791	=	$
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	$ $5,044		$
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	$ $6,027	=	$
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	$ $5,528	=	$
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	$ $6,694	=	$
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	$ $7,500	=	$
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	$ $7,923	=	$
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	$ $8,000	=	$
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	$ $8,800	=	$
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	$ $8,000	=	$
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	$ $8,830	=	$
Curb Inlet (Type R) L =_____', __' - __' Depth		EA	@	$	=	$
Curb Inlet (Type R) L =_____', __' - __' Depth		EA	@	$	=	$

Grated Inlet (Type C), < 5' deep		EA	@	$	$3,270	=	$
Grated Inlet (Type D), < 5' deep		EA	@	$	$3,908	=	$
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	$	$8,592	=	$
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	$	$4,575	=	$
Geotextile (Erosion Control)		SY	@	$	$5	=	$
Rip Rap, d50 Size from 6" to 24"		CY	@	$	$98	=	$
Rip Rap, Grouted		CY	@	$	$215	=	$
Drainage Channel Construction, Size (W x H)		LF	@	$		=	$
Channel Lining, Concrete		CY	@	$	$450	=	$
Channel Lining, Rip Rap		CY	@	$	$98	=	$
Channel Lining, Grass		AC	@	$	$1,287	=	$
Channel Lining, Other Stabilization		SY	@	$	$3	=	$
Detention Outlet Structure		EA	@	$		=	$
Detention Emergency Spillway		EA	@	$		=	$
Permanent Water Quality Facility (Describe)		EA	@	$		=	$
**all items this section subject to defect warranty financial assurance. ┼ For flared end sections, multiply pipe LF cost by 6					**Section 2 Subtotal**	=	$ **

Assuming the quantity listed is in linear feet, per Pond Details sheet C3, approximately 135.75 ft. of 18" RCP is indicated. Revise quantity.

These are private, not common development improvements. you may remove them

Provide units for each of these improvements

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
- Roadway Improvements						
			@	$	=	$
			@	$	=	$
			@	$	=	$
FULL DEPTH RECLAM. OF HMA PVMT (0-8 IN.)	9,200.00	SY	@	$ 5	=	$ 46,000.00
HMA (GRS) (XX) PG XX-XX) (5" THICK)	2,600.00	T	@	$ 100	=	$ 260,000.00
			@	$	=	$
- Storm Drain Improvements						
RIP RAP 12"	30.00		@	$ 60	=	$ 1,800.00
CONCRETE CLASS B (HEADWALL, FOREBAY AND MICROPOOL)	12.00		@	$ 2,000	=	$ 24,000.00
18 INCH REINFORCED CONCRETE PIPE (CL 3) (COMPLETE IN PLACE)	111.00		@	$ 42	=	$ 4,662.00
INLET TYPE R L10 (5 FT)	1.00		@	$ 7,000	=	$ 7,000.00
CONCRETE RELEASE STRUCTURE	1.00		@	$ 7,000	=	$ 7,000.00
CONCRETE TRICKLE CHANNEL	90.00		@	$ 70	=	$ 6,300.00
- Water System Improvements						
Water Main Pipe (PVC), Size 8"		LF	@	$ $94	=	$
Water Main Pipe (Ductile Iron), Size 8"		LF	@	$ $137	=	$
Gate Valves, 8"		EA	@	$ $1,852	=	$
Fire Hydrant Assembly w/ all valves		EA	@	$ $6,430	=	$
Water Service Line Installation, inc. tap & valves		EA	@	$ $1,253	=	$
Fire Cistern Installation, complete		EA	@	$	=	$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"		LF	@	$ $94	=	$
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	$ $4,575	=	$
Sanitary Service Line Installation, complete		EA	@	$ 1,516	=	$
Sanitary Sewer Lift Station, complete		EA	@	$	=	$
- Landscaping (If Applicable)						
OPAQUE FENCING	940.00	EA	@	$ 6	=	$ 5,640.00
		EA	@	$	=	$
		EA	@	$	=	$
		EA	@	$	=	$
		EA	@	$	=	$
***items in this section are not subject to defect warranty financial assurance				**Section 3 Subtotal**	=	$ 360,602.00

Financial Assurance Totals			
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**			$
(Inc. survey to verify detention pond volumes.)	**Construction Financial Assurance Total**	=	$ 384,998.00
	(Sum of all Section Totals)		
	Public Improvements Total* **		$ 16,089.00
	Defect Warranty Financial Assurance Total	=	$ 3,217.80
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

Engineer — Date

(P.E. Seal)

Approved by Owner / Applicant — Date

Approved by El Paso Couny Engineer / ECM Administrator — Date