2015 Financial Assurance Estimate Form

(Basic form)

PCD Project No. PPR-18-000

Project Information	
Lot 13, Claremont Business Park Fil.No. 2	9/16/2018
Project Name	Date

Section 1 - Gra	ding and Erosion Control BMPs	Quantity	Units			Price		
Earthwork*		800.00	CY	@	\$	\$5	=	\$ 4,000.00
Permanent Seed	ing*	0.40	AC	@	\$	\$582	=	\$ 232.80
Mulching*		0.40	AC	@	\$	\$507	=	\$ 202.80
Permanent Erosi	on Control Blanket*		SY	@	\$	\$8	=	\$
Temporary Erosi	on Control Blanket		SY	@	\$	\$3		\$
Vehicle Tracking	Control	1.00	EA	@	\$	\$1,625	=	\$ 1,625.00
Safety Fence			LF	@	\$	\$3	=	\$
Silt Fence		200.00	LF	@	\$	\$4	=	\$ 800.00
Temporary Seed	ing	0.40	AC	@	\$	\$485	=	\$ 194.00
Temporary Mulch			AC	@	\$	\$507	=	\$
Erosion Bales	Add inlet protection		EA	@	\$	\$21	=	\$
Erosion Logs	shown on plans		LF	@	\$	\$6	=	\$
Rock Ditch Chec	ks		EA	@	\$		=	\$
Inlet Protection		7	EA	@	\$	\$153	=	\$
Sediment Basin			EA	@	\$	\$1,625	=	\$
Concrete Washo	ut Basin	1.00	EA	@	\$	\$776	=	\$ 776.00
				@	\$		=	\$
pecified items su	bject to defect warranty financial assuranc	ce						
					Sec	tion 1 Subtota	=	\$ 7,830.60

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 Type / (controller) Guardrail End Anchorage	EA	@	\$ \$1,978	=	\$
Guardrail Impact Attenuator	EA	@	\$ \$3,564	=	\$
Sound Barrier Fence	LF	@	\$ \$100	=	\$
Count Barrier 1 crice			Ψ Ψ100		Ψ
- 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' , 3-10 Depth	EA EA	@		=	\$
Curb Inlet (Type R) L =10', 10-13 Depth Curb Inlet (Type R) L =15', Depth < 5 feet	EA EA	@	\$ \$7,500 \$ \$7,923	+=	\$
Curb Inlet (Type R) L =15', Depth < 5 reet Curb Inlet (Type R) L =15', 5'-10' Depth	EA EA	@	\$ \$8,000	- -	\$
	_	@	-	=	\$
Curb Inlet (Type R) L =15' , 10'-15' Depth	EA EA		*		\$
Curb Inlet (Type R) L =20', Depth < 5 feet	EA	@		=	\$
Curb Inlet (Type R) L = 20' , 5'-10' Depth	EA	@ @	\$ \$8,830 \$	=	\$
Curb Inlet (Type R) L =','' Depth	EA 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			Secti	on 2 Subtota	=	\$ **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units			Price		
- Roadway Improvements							
(Include any applicable items from above Public			@	\$		=	\$
Improvements list, that are to be private and NOT			@	\$		=	\$
maintained by El Paso County)			@	\$		=	\$
Concrete Sidewalk		SY	@	\$	\$38	=	\$
Curb and Gutter, Type B (6" Vertical)		LF	@	\$	20	=	\$
Aggregate Base Course			@	\$		=	\$
- Storm Drain Improvements							
(Include any applicable items from above Public			@	\$		=	\$
Improvements list, that are to be private and NOT			@	\$		=	\$
maintained by El Paso County)			@	\$		=	\$
			@	\$		=	\$
Permanent WQ Facility (Grading)	1.00	EA	@	\$	1,500	=	\$ 1,500.00
Subsurface WQ Storm Facility	1.00	EA	@	\$	6,000		\$ 6,000.00
Class C Filter Material		CY	@	\$	35		\$
Reinforced Vertical Concrete Walls		CY	@	\$	725		\$
			@	\$		=	\$
- Water System Improvements	- include re	taining	j w	alls			
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)							
(List landscaping line items and cost - usually only in case		EA	@	\$		=	\$
of subdivision specific condition of approval, or PUD)		EA	@	\$		=	\$
Swale (Cobble Stone/Grass)		EA	@	\$		=	\$
		EA	@	\$		=	\$
		EA	@	\$		=	\$
***items in this section are not subject to defect warranty							
financial assurance				Section	on 3 Subtota	=	\$ 7,500.00

Financial Assurance Totals		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$ 500.00
(Inc. survey to verify detention pond volumes.) Construction Financial Assurance Total	=	\$ 15,830.60
(Sum of all Section Totals)		
Public Improvements Total* **		\$ 4,435.60
Defect Warranty Financial Assurance Total	=	\$ 887.12
(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		

Approvals			
I hereby certify that this is an accurat the Project.	e and complete estimate of costs for the v	work as shown on the approved Construction Dr	awings associated with
Engineer		Date	
	(P.E. Seal)		
Approved by Owner / Applicant		Date	
Approved by El Paso Couny Engineer	/ FCM Administrator	Date	
Approved by Li raso county Engineer	/ LCM Administrator	Date	

Markup Summary

Daniel Torres (3)

PPR 1844
Project No. PPR-18-000

Subject: Callout Page Label: 1 Lock: Unlocked Author: Daniel Torres

Date: 10/23/2018 3:23:57 PM

Color:

PPR 1844

100	24	5	150	
100	EA	0	5	150
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Subject: Callout Page Label: 4 Lock: Unlocked Author: Daniel Torres

Date: 10/23/2018 3:29:19 PM

Color:

include retaining walls

Subject: Callout Page Label: 1 Lock: Unlocked Author: Daniel Torres

Date: 10/23/2018 4:53:58 PM

Color:

Add inlet protection shown on plans