

2015 Financial Assurance Estimate Form

(Basic form)

PCD Project No. PPR-17-026

Project Information	
Lot 12, Claremont Business Park Fil.No. 2	8/7/2017
Project Name _____	Date _____

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*	815.00	CY	\$ 5	=	\$ 4,075.00 *
Permanent Seeding*	0.34	AC	\$ 582	=	\$ 197.88 *
Mulching*	0.34	AC	\$ 507	=	\$ 172.38 *
Permanent Erosion Control Blanket*		SY	\$ 8	=	\$ *
Temporary Erosion Control Blanket		SY	\$ 3	=	\$
Vehicle Tracking Control	1.00	EA	\$ 1,625	=	\$ 1,625.00
Safety Fence		LF	\$ 3	=	\$
Silt Fence	148.00	LF	\$ 4	=	\$ 592.00
Temporary Seeding	0.34	AC	\$ 485	=	\$ 164.90
Temporary Mulch		AC	\$ 507	=	\$
Erosion Bales		EA	\$ 21	=	\$
Erosion Logs		LF	\$ 6	=	\$
Rock Ditch Checks		EA	\$	=	\$
Inlet Protection	1.00	EA	\$ 153	=	\$ 153.00
Sediment Basin		EA	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA	\$ 776	=	\$ 776.00
		@	\$	=	\$
Specified items subject to defect warranty financial assurance					
			Section 1 Subtotal	=	\$ 7,756.16

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					=	\$ **

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	@	\$ 14,750	= \$ 14,750.00
Class C Filter Material		CY	@	\$ 35	= \$
Reinforced Vertical Concrete Walls		CY	@	\$ 725	= \$
			@	\$	= \$
- 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)					
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	= \$
		EA	@	\$	= \$
Swale (Cobble Stone/Grass)		EA	@	\$	= \$
		EA	@	\$	= \$
		EA	@	\$	= \$
***items in this section are not subject to defect warranty financial assurance				Section 3 Subtotal	= \$ 16,250.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)		\$	500.00
	Construction Financial Assurance Total	=	\$ 24,506.16
	(Sum of all Section Totals)		
	Public Improvements Total**	\$	4,445.26
	Defect Warranty Financial Assurance Total	=	\$ 889.05
(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

Approved by Owner / Applicant

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Approved

By: Jennifer Irvine, County Engineer

Date: 12/11/2017

El Paso County Department of Public Works

11/29/17



Approved by El Paso County Engineer / ECM Administrator

Date