

2015 Financial Assurance Estimate Form

(Basic form)

PCD PROJECT No. CDR-17-001

Project Information

Lot 48, High Forest Ranch Fil. No. 2

8/16/2017

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	3,814.00	CY	@	\$ \$5	=	\$ 19,070.00 *
Permanent Seeding*	7.10	AC	@	\$ \$582	=	\$ 4,132.20 *
Mulching*	7.10	AC	@	\$ \$507	=	\$ 3,599.70 *
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	1,735.00	LF	@	\$ \$4	=	\$ 6,940.00
Temporary Seeding		AC	@	\$ \$485	=	\$
Temporary Mulch		AC	@	\$ \$507	=	\$
Erosion Bales	4.00	EA	@	\$ \$21	=	\$ 84.00
Erosion Logs		LF	@	\$ \$6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	2.00	EA	@	\$ \$153	=	\$ 306.00
Sediment Basin		EA	@	\$ \$1,625	=	\$
Concrete Washout Basin		EA	@	\$ \$776	=	\$
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
				Section 1 Subtotal	=	\$ 35,756.90

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		EA	@	\$ \$844	=	\$

Sidewalk		LF	@	\$	\$23	=	\$
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	@	\$	=	\$
Curb and Gutter, Type 1 (6" Vertical)			@	\$	=	\$
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)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Concrete Spillway			@	\$ 500	=	\$
36" RCP	80.00		@	\$ 124	=	\$ 9,920.00
36" RCP FES	2.00		@	\$ 450	=	\$ 900.00
9" Rip Rap	14.00		@	\$ 98	=	\$ 1,372.00
Pond Outlet Structure			@	\$ 5,000	=	\$
SC 250 Spillway Mat			@	\$ 10	=	\$
- 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		= \$ 12,192.00

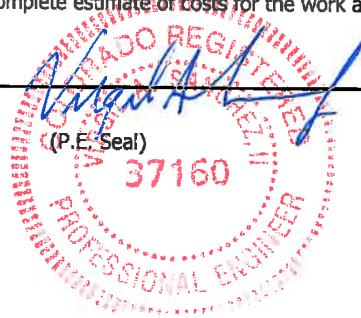
Financial Assurance Totals

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	=	\$ 48,448.90
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	26,801.90
	Defect Warranty Financial Assurance Total	=	\$ 5,360.38
	(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

8-16-17

Approved by Owner / Applicant

Date

AUG 16, 2017

Approved by El Paso County Engineer / ECM Administrator

Date