

2015 Financial Assurance
Estimate Form

(Basic form)

3/17/2015

PPR-18-040

Project Information	
Freedom Springs	3/5/18
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	9,900.00	CY	@	\$ 5	=	\$ 49,500.00 *
Permanent Seeding*	1.80	AC	@	\$ 582	=	\$ 1,047.60 *
Mulching*	1.80	AC	@	\$ 507	=	\$ 912.60 *
Permanent Erosion Control Blanket*		SY	@	\$ 6	=	\$ *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$ *
Vehicle Tracking Control	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Safety Fence		LF	@	\$ 3	=	\$ *
Silt Fence	1,145.00	LF	@	\$ 4	=	\$ 4,580.00
Temporary Seeding	1.88	AC	@	\$ 485	=	\$ 911.80
Temporary Mulch	1.88	AC	@	\$ 507	=	\$ 953.16
Erosion Bales		EA	@	\$ 21	=	\$ *
Erosion Logs	504.00	LF	@	\$ 6	=	\$ 3,024.00
Rock Ditch Checks		EA	@	\$	=	\$ *
Inlet Protection	7.00	EA	@	\$ 153	=	\$ 1,071.00
Sediment Basin	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00
Rock Sock	6.00		@	\$ 24	=	\$ 144.00
pecified items subject to defect warranty financial assurance						
Section 1 Subtotal						= \$ 69,420.16

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	13.00	SY	@	\$ 108	=	\$ 1,404.00

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase	1.00	EA	@	\$	\$1,300	=	\$ 1,300.00
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	=	\$
Concrete Sidewalk	230.00	SY	@	\$	\$38	=	\$ 8,740.00
- 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	=	\$
High Density Polyethylene (HDPE) Pipe Size		LF	@	\$		=	\$
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) HDPE †		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	=	\$ 11,444.00 **

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	79.00	SY	@ \$ \$38	=	\$ 3,002.00
			@ \$	=	\$
			@ \$	=	\$
- Storm Drain Improvements					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
Tupe 16 Combination Inlet	4.00		@ \$ 3,800	=	\$ 15,200.00
HDPE Storm Drain	1,040.00		@ \$ 45	=	\$ 46,800.00
Sand Filter Basin	1.00		@ \$ 10,500	=	\$ 10,500.00
- 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)					
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
***items in this section are not subject to defect warranty financial assurance				Section 3 Subtotal	= \$ 75,502.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	2,500.00
(Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$ <u>158,866.16</u>
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	62,904.20
	Defect Warranty Financial Assurance Total	=	\$ <u>12,580.84</u>
	(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		

Approvals

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

Engineer



Date

1/25/19

Approved by Owner / Applicant

Approved
 by Elizabeth Nijkamp
 El Paso County Planning and Community Development
 on behalf of Jennifer Irvine, County Engineer, ECM Administrator

01/29/2019 4:16:43 PM



Date

01-17-2019

Approved by El Paso County Engineer / ECM Administrator

Date