

Please use the latest FAE form. See attached.



8/6/2015

2015 Financial Assurance Estimate Form

Please show this on the GEC plan and provide BMP detail on plans

Project Information

Tract 7 Valley Garden Subdivision

3/26/2019

Rocky Top Resoruces Site Improvements

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	12,000.00	CY @	\$5	= \$	60,000.00	\$ 60,000.00 *
Permanent Seeding*	9.50	AC @	\$582	= \$	5,529.00	\$ 5,529.00 *
Mulching*	9.50	AC @	\$507	= \$	4,816.50	\$ 4,816.50 *
Permanent Erosion Control Blanket*		SY @	\$6	= \$		\$ - *
Temporary Erosion Control Blanket	1,500.00	SY @	\$3	= \$	4,500.00	\$ 4,500.00
Vehicle Tracking Control	1.00	EA @	\$1,625	= \$	1,625.00	\$ 1,625.00
Safety Fence		LF @	\$3	= \$		\$ -
Silt Fence	1,520.00	LF @	\$4	= \$	6,080.00	\$ 6,080.00
Temporary Seeding		AC @	\$485	= \$		\$ -
Temporary Mulch	10.00	AC @	\$507	= \$	5,070.00	\$ 5,070.00
Erosion Bales		EA @	\$21	= \$		\$ -
Erosion Logs		LF @	\$6	= \$		\$ -
Rock Ditch Checks		EA @	\$	= \$		\$ -
Inlet Protection	2.00	EA @	\$153	= \$	306.00	\$ 306.00
Sediment Basin		EA @	\$1,625	= \$		\$ -
Concrete Washout Basin	1.00	EA @	\$776	= \$	776.00	\$ 776.00
Stabilized stockpile and staging area	1.00	EA @	\$1,000	= \$	1,000.00	\$ 1,000.00
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
Section 1 Subtotal				= \$	89,702.50	\$ 89,702.50

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- 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 @	\$50	= \$		\$ - *
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	= \$		\$ - *
Concrete Sidewalk		SY @	\$38	= \$		\$ - *

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	=	\$		\$	-	*
43"x68"Horiz. Ell. Reinforced Concrete Pipe		LF	@	\$	\$190	=	\$		\$	-	*
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 24"		EA	@	\$	\$900	=	\$		\$	-	*
Flared End Section (FES) RCP 30"		EA	@	\$	\$1,000	=	\$		\$	-	*
Flared End Section (FES) RCP 42"		EA	@	\$	\$1,200	=	\$		\$	-	*
Flared End Section (FES) 54-INCH		EA	@	\$	\$1,500	=	\$		\$	-	*
End Treatment- Headwall		EA	@	\$	2,000	=	\$		\$	-	*
End Treatment- Wingwall		EA	@	\$	3,000	=	\$		\$	-	*
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 =25' , <5' Depth		EA	@	\$	\$9,000	=	\$		\$	-	*
Curb Inlet (Type R) L =25' , 5' - 10' Depth		EA	@	\$	\$10,000	=	\$		\$	-	*
Curb Inlet (Type R Modified) L =25', 5' - 10' Depth		EA	@	\$	\$13,500	=	\$		\$	-	*
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 (Trickle Channel)		CY	@	\$	\$450	=	\$		\$	-	*
Channel Lining, Rip Rap		CY	@	\$	\$98	=	\$		\$	-	*
Channel Lining, Grass		AC	@	\$	\$1,287	=	\$		\$	-	*
Concrete Cutoff Wall (30" RCP FES)		EA	@	\$	\$500	=	\$		\$	-	*
Detention Outlet Structure		EA	@	\$	\$12,000	=	\$		\$	-	*
Detention Emergency Spillway		EA	@	\$	\$18,300	=	\$		\$	-	*
Presedimentation Forebay		EA	@	\$	\$7,000	=	\$		\$	-	
Gravel Maintenance Access Trail		SY	@	\$	\$20	=	\$		\$	-	
Type II Bedding		CY	@	\$	\$35	=	\$		\$	-	
Detention Basin Seeding and Mulch		AC	@	\$	\$520	=	\$		\$	-	
Permanent Water Quality Facility (Describe)		EA	@	\$		=	\$		\$	-	*
Low tailwater protection		EA		\$	6,000	=	\$		\$	-	
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6											
						Section 2 Subtotal		=	\$		**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		% Complete	Remaining
- 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			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
Grated Inlet (Type D), < 5' deep	2.00	ea	@	\$ 3,908	=	\$ 7,816.00	\$ 7,816.00
30-inch RCP	120.00	lf	@	\$ 94	=	\$ 11,280.00	\$ 11,280.00
3.0 AF Extended Detention Basin	3.00	af	@	35,000	=	105,000.00	\$ 105,000.00
Forebays, trickle channel outlet structure and emergency spillway			@	\$	=	\$	\$ -
- Water System Improvements							
Water Main Pipe (PVC), Size 6"		LF	@	\$ \$94	=	\$	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$	\$ -
Water Main Pipe (PVC), Size 12"		LF	@	\$ \$122	=	\$	\$ -
Gate Valves, 6"		EA	@	\$ \$1,852	=	\$	\$ -
Gate Valves, 12"		EA	@	\$ \$2,400	=	\$	\$ -
Fire Hydrant Assembly w/ all valves		EA	@	\$ \$6,430	=	\$	\$ -
Water Service Line Installation, including tap and valves		EA	@	\$ 1,253	=	\$	\$ -
Fire Cistern Installation, complete		EA	@	\$	=	\$	\$ -
- Sanitary Sewer Improvements							
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ \$94	=	\$	\$ -
Sewer Main Pipe (PVC), Size 12"		LF	@	\$ \$165	=	\$	\$ -
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	=	\$ 124,096.00	124,096.00

Financial Assurance Totals		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$2,500</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	<u>\$216,298.50</u>
(Sum of all section subtotals)		
	Total Remaining Construction Financial Assurance	<u>216,298.50</u>
(Sum of all section totals less credit for items complete)		
	Total Defect Warranty Financial Assurance	<u>\$14,069.10</u>
(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)		

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

(P.E. Seal)

Date

Approved by Owner / Applicant

Date

Approved by El Paso Couny Engineer / ECM Administrator

Date