

2015 Financial Assurance Estimate Form (with pre-plat construction)

Project Information	
Grazing Yak 19145002	4/16/2019
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	39,000.00	CY	@ \$ 5	= \$ 195,000.00	\$ 195,000.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	43.00	AC	@ \$ 582	= \$ 25,026.00	\$ 25,026.00 *
Mulching*		AC	@ \$ 507	= \$	\$ - *
Permanent Erosion Control Blanket*	2,700.00	SY	@ \$ 6	= \$ 16,200.00	\$ 16,200.00 *
Temporary Erosion Control Blanket		SY	@ \$ 3	= \$	\$ -
Vehicle Tracking Control	2.00	EA	@ \$ 1,625	= \$ 3,250.00	\$ 3,250.00
Safety Fence		LF	@ \$ 3	= \$	\$ -
Silt Fence	4,000.00	LF	@ \$ 4	= \$ 16,000.00	\$ 16,000.00
Temporary Seeding	20.00	AC	@ \$ 485	= \$ 9,700.00	\$ 9,700.00
Temporary Mulch		AC	@ \$ 507	= \$	\$ -
Erosion Bales		EA	@ \$ 21	= \$	\$ -
Erosion Logs		LF	@ \$ 6	= \$	\$ -
Rock Ditch Checks		EA	@ \$	= \$	\$ -
Inlet Protection		EA	@ \$ 153	= \$	\$ -
Sediment Basin	5.00	EA	@ \$ 1,625	= \$ 8,125.00	\$ 8,125.00
Concrete Washout Basin		EA	@ \$ 776	= \$	\$ -
		@ \$	= \$		\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process.					
Section 1 Subtotal				= \$ 273,301.00	\$ 273,301.00

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	@ \$	= \$	\$ - *
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	= \$	\$ - *
Concrete Sidewalk, 4"		SY	@ \$ 38	= \$	\$ - *
Concrete Sidewalk, 5"		SY	@ \$ 48	= \$	\$ - *
Concrete Sidewalk, 6"		SY	@ \$ 57	= \$	\$ - *
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	@	\$		=	\$		\$	-	*
<p>* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. † For flared end sections, multiply pipe LF cost by 6</p>											
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, 4" thick		SY	@	\$ 38	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
- Storm Drain Improvements							
	1.00		@	\$ 30,000	=	\$ 30,000.00	\$ 30,000.00
Permanent Detention Structure			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
- 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, including tap and 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		\$ 30,000.00	30,000.00

complete

lay down and solar areas

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ <u>\$5,000</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance <u>\$308,301.00</u>
	(Sum of all section subtotals)
	Total Remaining Construction Financial Assurance <u>308,301.00</u>
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Financial Assurance <u>\$47,245.20</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.

Brendan D. Miller, P.E. 4/16/2019

Engineer Date

(P.E. Seal)

Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date



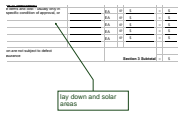
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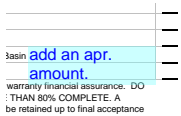
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lay down and solar areas

Steve Kuehster (1)



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add an apr. amount.