

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

Reference Lorson Ranch East
EGP ESQCP number.
10/15/2015

Project Information	
Fontaine Blvd & Lamprey Drive	12/20/2017
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY @	\$ 5		\$ - *
Permanent Seeding*		AC @	\$ 582		\$ - *
Mulching*		AC @	\$ 507		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3		\$ -
Vehicle Tracking Control		EA @	\$ 1,625		\$ -
Safety Fence		LF @	\$ 3		\$ -
Silt Fence		LF @	\$ 4		\$ -
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Bales		EA @	\$ 21		\$ -
Erosion Logs		LF @	\$ 6		\$ -
Rock Ditch Checks		EA @	\$ 4,000		\$ -
Inlet Protection	16.00	EA @	\$ 153	\$ 2,448.00	\$ 2,448.00
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776	\$ 776.00	\$ 776.00
		@	\$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.					
Section 1 Subtotal				\$ 3,224.00	\$ 3,224.00

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$ 5,000		\$ - *
Aggregate Base Course	10,000.00	Tons @	\$ 18	\$ 180,000.00	\$ 180,000.00 *
Asphalt Pavement	8,770.00	Tons @	\$ 65	\$ 570,050.00	\$ 570,050.00 *
Raised Median, Paved	11,300.00	SF @	\$ 7	\$ 79,100.00	\$ 79,100.00 *
Electrical Conduit, Size =		LF @	\$ 14		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000		\$ - *
Regulatory Sign	30.00	EA @	\$ 100	\$ 3,000.00	\$ 3,000.00 *
Advisory Sign		EA @	\$ 100		\$ - *
Guide/Street Name Sign	8.00	EA @	\$ 200	\$ 1,600.00	\$ 1,600.00 *
Epoxy Pavement Marking	7,800.00	SF @	\$ 12	\$ 93,600.00	\$ 93,600.00 *
Thermoplastic Pavement Marking	120.00	SF @	\$ 22	\$ 2,640.00	\$ 2,640.00 *
Barricade - Type F	4.00	EA @	\$ 115	\$ 460.00	\$ 460.00 *
Delineator (Type I)		EA @	\$ 21		\$ - *
Curb and Gutter, Type C (Ramp)		LF @	\$ 21		\$ - *
Curb and Gutter, Type A (6" Vertical)	11,100.00	LF @	\$ 16	\$ 177,600.00	\$ 177,600.00 *
Curb and Gutter, Type B (Median)	1,280.00	LF @	\$ 13	\$ 16,640.00	\$ 16,640.00 *
Pedestrian Ramp	260.00	SY @	\$ 108	\$ 28,080.00	\$ 28,080.00 *

Note: values were not checked in detail because CD revisions are necessary.

Cross Pan	85.00	SY	@	\$ 53	=	\$ 4,505.00	\$ 4,505.00	*	
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	=	\$	\$ -	*	
Jimmy Camp Creek Bridge (260' long)		LS	@	\$ 2,550,000	=	\$	\$ -	*	
- Storm Drain Improvements									
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$	\$ -	*	
Reinforced Concrete Pipe (RCP) 24" HERC		LF	@	\$ 90	=	\$	\$ -	*	
18" Reinforced Concrete Pipe	540.00	LF	@	\$ 69	=	\$ 37,260.00	\$ 37,260.00	*	
24" Reinforced Concrete Pipe	400.00	LF	@	\$ 84	=	\$ 33,600.00	\$ 33,600.00	*	
30" Reinforced Concrete Pipe	145.00	LF	@	\$ 94	=	\$ 13,630.00	\$ 13,630.00	*	
36" Reinforced Concrete Pipe	1,030.00	LF	@	\$ 124	=	\$ 127,720.00	\$ 127,720.00	*	
42" Reinforced Concrete Pipe	1,100.00	LF	@	\$ 134	=	\$ 147,400.00	\$ 147,400.00	*	
48" Reinforced Concrete Pipe	220.00	LF	@	\$ 178	=	\$ 39,160.00	\$ 39,160.00	*	
54" Reinforced Concrete Pipe	1,400.00	LF	@	\$ 182	=	\$ 254,800.00	\$ 254,800.00	*	
60" Reinforced Concrete Pipe		LF	@	\$ 216	=	\$	\$ -	*	
66" Reinforced Concrete Pipe	1,370.00	LF	@	\$ 263	=	\$ 360,310.00	\$ 360,310.00	*	
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 †	4.00	EA	@	\$ 800	=	\$ 3,200.00	\$ 3,200.00	*	
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	3.00	EA	@	\$ 5,044	=	\$ 15,132.00	\$ 15,132.00	*	
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	7.00	EA	@	\$ 6,694	=	\$ 46,858.00	\$ 46,858.00	*	
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	6.00	EA	@	\$ 8,000	=	\$ 48,000.00	\$ 48,000.00	*	
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	2.00	EA	@	\$ 8,830	=	\$ 17,660.00	\$ 17,660.00	*	
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	12.00	EA	@	\$ 8,592	=	\$ 103,104.00	\$ 103,104.00	*	
Storm Sewer Manhole, Slab Base, Depth < 15 feet	8.00	EA	@	\$ 4,575	=	\$ 36,600.00	\$ 36,600.00	*	
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ -	*	
Rip Rap, d50 Size from 6" to 24"	300.00	CY	@	\$ 98	=	\$ 29,400.00	\$ 29,400.00	*	
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	@	\$ 20,000	=	\$		\$ - *
Detention Emergency Spillway		EA	@	\$ 15,000	=	\$		\$ - *
Permanent Water Quality Facility (Describe)		EA	@	\$ 25,000	=	\$		\$ - *
* 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								1,313,834.00
Section 2 Subtotal								2,471,109.00
								\$ 2,471,109.00 **

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	7,500.00	SY	\$ \$38	=	\$ 285,000.00	\$ 285,000.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- Water System Improvements						
Water Main Pipe (PVC), Size 8"	2,200.00	LF	@ \$ \$94	=	\$ 206,800.00	\$ 206,800.00
Water Main Pipe (Ductile Iron), Size 8"	4,500.00	LF	@ \$ \$137	=	\$ 616,500.00	\$ 616,500.00
Gate Valves, 8"	20.00	EA	@ \$ \$1,852	=	\$ 37,040.00	\$ 37,040.00
Fire Hydrant Assembly w/ all valves		EA	@ \$ \$6,430	=	\$	\$ -
Water Service Line Installation, including tap and valves		EA	@ \$ 1,253	=	\$	\$ -
		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				=	\$ 1,145,340.00	1,145,340.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$3,619,673.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	3,619,673.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$494,221.80
	(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 County Engineer / ECM Administrator		Date

Markup Summary

1 (2)



Note: values were not checked in detail because CD revisions are necessary.

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