

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

06/22/2018

SF 19-003

Project Information	
Lorson Ranch East Filing No. 3	5/2/2019
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 @	\$	= \$		\$ -
Inlet Protection		EA @	\$ 153	= \$		\$ -
Sediment Basin		EA @	\$ 4,000	= \$		\$ -
Concrete Washout Basin		EA @	\$ 776	= \$		\$ -
		@	\$	= \$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to final acceptance process.						
Section 1 Subtotal				= \$		\$ -

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control	1.00	LS @	\$ 5,000	= \$ 5,000.00		\$ 5,000.00 *
Aggregate Base Course, 6" thick	3,605.00	Tons @	\$ 18	= \$ 64,890.00		\$ 64,890.00 *
Asphalt Pavement, 5" thick	2,773.00	Tons @	\$ 65	= \$ 180,245.00		\$ 180,245.00 *
Raised Median, Paved		SF @	\$ 7	= \$		\$ - *
Electrical Conduit, Size =		LF @	\$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	= \$		\$ - *
Regulatory Sign	5.00	EA @	\$ 100	= \$ 500.00		\$ 500.00 *
Advisory Sign		EA @	\$ 100	= \$		\$ - *
Guide/Street Name Sign	12.00	EA @	\$ 200	= \$ 2,400.00		\$ 2,400.00 *
Epoxy Pavement Marking		SF @	\$ 12	= \$		\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22	= \$		\$ - *
Barricade - Type F	2.00	EA @	\$ 115	= \$ 230.00		\$ 230.00 *
Delineator (Type I)		EA @	\$ 21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)	5,440.00	LF @	\$ 21	= \$ 114,240.00		\$ 114,240.00 *
Curb and Gutter, Type A (6" Vertical)	900.00	LF @	\$ 16	= \$ 14,400.00		\$ 14,400.00 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	= \$		\$ - *
Pedestrian Ramp	85.00	SY @	\$ 108	= \$ 9,180.00		\$ 9,180.00 *

Cross Pan	202.00	SY	@	\$ 53	=	\$ 10,706.00	\$ 10,706.00	*
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	=	\$	\$ -	*
Sound Barrier Fence		LF	@	\$ 100	=	\$	\$ -	*
- Storm Drain Improvements								
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$	\$ -	*
Reinforced Concrete Pipe (RCP)		LF	@	\$ 90	=	\$	\$ -	*
18" Reinforced Concrete Pipe	7.00	LF	@	\$ 69	=	\$ 483.00	\$ 483.00	*
24" Reinforced Concrete Pipe	254.00	LF	@	\$ 84	=	\$ 21,336.00	\$ 21,336.00	*
30" Reinforced Concrete Pipe	300.00	LF	@	\$ 94	=	\$ 28,200.00	\$ 28,200.00	*
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	@	\$ 800	=	\$	\$ -	*
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	1.00	EA	@	\$ 5,044	=	\$ 5,044.00	\$ 5,044.00	*
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		EA	@	\$ 6,694	=	\$	\$ -	*
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$ 7,500	=	\$	\$ -	*
Curb Inlet (Type R) L =15' , Depth < 5 feet	4.00	EA	@	\$ 7,923	=	\$ 31,692.00	\$ 31,692.00	*
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 = 30' , 5' - 10' Depth		EA	@	\$ 10,000	=	\$	\$ -	*
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	2.00	EA	@	\$ 4,575	=	\$ 9,150.00	\$ 9,150.00	*
Geotextile (Erosion Control)	60.00	SY	@	\$ 20	=	\$ 1,200.00	\$ 1,200.00	*
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	@	\$ 4,000	=	\$		\$ - *
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 final acceptance process. † For flared end sections, multiply pipe LF cost by 6					=			
				Section 2 Subtotal	=	\$	498,896.00	498,896.00 **

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 - 5" THICK	7,820.00	SY	\$ 58	=	\$ 453,560.00	\$ 453,560.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- 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"		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	=	\$	\$ -
Watermain crossing Marksheffel Road		EA	\$ 120,000	=	\$	\$ -
- 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	=	\$	\$ -
Underdrain		LF	\$ 10	=	\$	\$ -
- Landscaping (If Applicable)						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	\$	=	\$	\$ -
		EA	\$	=	\$	\$ -
Landscape lorson blvd	1.00	EA	\$ 35,000	=	\$ 35,000.00	\$ 35,000.00
		EA	\$	=	\$	\$ -
		EA	\$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal				=	\$ 488,560.00	488,560.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$6,000
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$993,456.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	993,456.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$99,779.20
	(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

Date

CO. OF REGISTERED PROFESSIONAL ENGINEERS
LEO RICE
5997
5-2-2019
PROFESSIONAL ENGINEER

5/2/2019

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Approved

by Jeff Rice Date
El Paso County Planning and Community Development
on behalf of Elizabeth Nijkamp, Engineering Review Manager



05/06/2019 11:50:26 AM

SF-19-003