

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

06/22/2018

SF 18-019

<b>Project Information</b>	
Lorson Ranch East Filing No. 2	10/26/2018
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 preliminary acceptance process.						
<b>Section 1 Subtotal</b>				= \$		\$ -

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control	1.00	LS @	\$ 5,000	= \$ 5,000.00		\$ 5,000.00 *
Aggregate Base Course, 6" thick	8,020.00	Tons @	\$ 18	= \$ 144,360.00		\$ 144,360.00 *
Asphalt Pavement, 5" thick	7,410.00	Tons @	\$ 65	= \$ 481,650.00		\$ 481,650.00 *
Raised Median, Paved		SF @	\$ 7	= \$		\$ - *
Electrical Conduit, Size =		LF @	\$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	= \$		\$ - *
Regulatory Sign	14.00	EA @	\$ 100	= \$ 1,400.00		\$ 1,400.00 *
Advisory Sign		EA @	\$ 100	= \$		\$ - *
Guide/Street Name Sign	28.00	EA @	\$ 200	= \$ 5,600.00		\$ 5,600.00 *
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)	12,000.00	LF @	\$ 21	= \$ 252,000.00		\$ 252,000.00 *
Curb and Gutter, Type A (6" Vertical)	2,100.00	LF @	\$ 16	= \$ 33,600.00		\$ 33,600.00 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	= \$		\$ - *
Pedestrian Ramp	230.00	SY @	\$ 108	= \$ 24,840.00		\$ 24,840.00 *

Cross Pan	300.00	SY	@	\$ 53	=	\$ 15,900.00	\$ 15,900.00	*	
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	=	\$	\$ -	*	
<b>- Storm Drain Improvements</b>									
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$	=	\$	\$ -	*	
Reinforced Concrete Pipe (RCP)		LF	@	\$ 90	=	\$	\$ -	*	
18" Reinforced Concrete Pipe	160.00	LF	@	\$ 69	=	\$ 11,040.00	\$ 11,040.00	*	
24" Reinforced Concrete Pipe	660.00	LF	@	\$ 84	=	\$ 55,440.00	\$ 55,440.00	*	
30" Reinforced Concrete Pipe	400.00	LF	@	\$ 94	=	\$ 37,600.00	\$ 37,600.00	*	
36" Reinforced Concrete Pipe	42.00	LF	@	\$ 124	=	\$ 5,208.00	\$ 5,208.00	*	
42" Reinforced Concrete Pipe		LF	@	\$ 134	=	\$	\$ -	*	
48" Reinforced Concrete Pipe	175.00	LF	@	\$ 178	=	\$ 31,150.00	\$ 31,150.00	*	
54" Reinforced Concrete Pipe	460.00	LF	@	\$ 182	=	\$ 83,720.00	\$ 83,720.00	*	
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	90.00	LF	@	\$ 66	=	\$ 5,940.00	\$ 5,940.00	*	
24" Corrugated Steel Pipe		LF	@	\$ 96	=	\$	\$ -	*	
30" Corrugated Steel Pipe		LF	@	\$ 101	=	\$	\$ -	*	
36" Corrugated Steel Pipe	48.00	LF	@	\$ 136	=	\$ 6,528.00	\$ 6,528.00	*	
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	2.00	EA	@	\$ 5,044	=	\$ 10,088.00	\$ 10,088.00	*	
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$ 6,027	=	\$	\$ -	*	
Curb Inlet (Type R) L =10', Depth < 5 feet	6.00	EA	@	\$ 5,528	=	\$ 33,168.00	\$ 33,168.00	*	
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	1.00	EA	@	\$ 7,923	=	\$ 7,923.00	\$ 7,923.00	*	
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	2.00	EA	@	\$ 10,000	=	\$ 20,000.00	\$ 20,000.00	*	
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	9.00	EA	@	\$ 4,575	=	\$ 41,175.00	\$ 41,175.00	*	
Geotextile (Erosion Control)	250.00	SY	@	\$ 20	=	\$ 5,000.00	\$ 5,000.00	*	
Rip Rap, d50 Size from 6" to 24"	150.00	CY	@	\$ 98	=	\$ 14,700.00	\$ 14,700.00	*	
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	@	\$	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 preliminary acceptance process. + For flared end sections, multiply pipe LF cost by 6							=	\$	1,333,260.00		1,333,260.00	**
<b>Section 2 Subtotal</b>							=	\$	1,333,260.00		1,333,260.00	**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
<b>- Roadway Improvements</b>						
(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
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
<b>- Storm Drain Improvements</b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
<b>- Water System Improvements</b>						
Water Main Pipe (PVC), Size 8"	7,100.00	LF	@ \$ \$94	= \$ 667,400.00		\$ 667,400.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ \$137	= \$		\$ -
Gate Valves, 8"	56.00	EA	@ \$ \$1,852	= \$ 103,712.00		\$ 103,712.00
Fire Hydrant Assembly w/ all valves	16.00	EA	@ \$ \$6,430	= \$ 102,880.00		\$ 102,880.00
Water Service Line Installation, including tap and valves	196.00	EA	@ \$ \$1,253	= \$ 245,588.00		\$ 245,588.00
Watermain crossing Marksheffel Road		EA	@ \$ \$120,000	= \$		\$ -
<b>- Sanitary Sewer Improvements</b>						
Sewer Main Pipe (PVC), Size 8"	7,000.00	LF	@ \$ \$94	= \$ 658,000.00		\$ 658,000.00
Sanitary Sewer Manhole, Depth < 15 feet	27.00	EA	@ \$ \$4,575	= \$ 123,525.00		\$ 123,525.00
Sanitary Service Line Installation, complete	196.00	EA	@ \$ \$1,516	= \$ 297,136.00		\$ 297,136.00
Underdrain	7,000.00	LF	@ \$ \$10	= \$ 70,000.00		\$ 70,000.00
<b>- Landscaping (If Applicable)</b>						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@ \$	= \$		\$ -
		EA	@ \$	= \$		\$ -
Landscape n. side of fontaine from creek to roundabout	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						
				<b>Section 3 Subtotal</b>	= \$ 2,756,801.00	2,756,801.00

**Financial Assurance Totals**

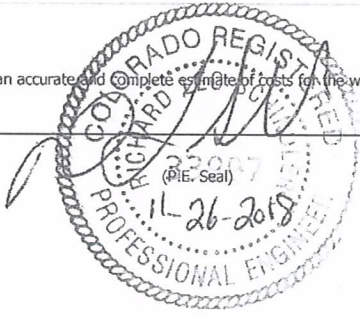
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$6,000
( Inc. survey to verify detention pond volumes.)		
<b>Total Construction Financial Assurance</b>		<b>\$4,096,061.00</b>
(Sum of all section subtotals)		
<b>Total Remaining Construction Financial Assurance</b>		<b>4,096,061.00</b>
(Sum of all section totals less credit for items complete)		
<b>Total Defect Warranty Financial Assurance</b>		<b>\$266,652.00</b>
(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




*Jan*

*11/27/18*

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

<b>Approved</b> by Jeff Rice El Paso County Planning and Community Development on behalf of Elizabeth Nijkamp, Engineering Review Manager	
01/23/2019 11:32:55 AM	Date