SF-19-003

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

06/22/2018

Project Information	
Lorson Ranch East Filing No. 3-Grading & Wet Utilities	**3/6/2019**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price			% Complete	Remaining	
Earthwork*	1,000.00	CY	@	$ $5	=	$ 5,000.00		$ 5,000.00	*
Permanent Seeding*	1.00	AC	@	$ $582	=	$ 582.00		$ 582.00	*
Mulching*	1.00	AC	@	$ $507	=	$ 507.00		$ 507.00	*
Permanent Erosion Control Blanket*		SY	@	$ $6	=	$		$ -	*
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		LF	@	$ $4	=	$		$ -	
Temporary Seeding	10.00	AC	@	$ $485	=	$ 4,850.00		$ 4,850.00	
Temporary Mulch	10.00	AC	@	$ $507	=	$ 5,070.00		$ 5,070.00	
Erosion Bales	40.00	EA	@	$ $21	=	$ 840.00		$ 840.00	
Erosion Logs		LF	@	$ $6	=	$		$ -	
Rock Ditch Checks		EA	@	$	=	$		$ -	
Inlet Protection	4.00	EA	@	$ $153	=	$ 612.00		$ 612.00	
Sediment Basin	4.00	EA	@	$ $4,000	=	$ 16,000.00		$ 16,000.00	
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 final acceptance process.				**Section 1 Subtotal**	=	$ 37,487.00		$ 37,487.00	

Section 2 - Public Improvements**	Quantity	Units		Price			% Complete	Remaining	
- Roadway Improvements									
Construction Traffic Control		LS	@	$ 5,000	=	$		$ -	*
Aggregate Base Course, 6" thick		Tons	@	$ $18	=	$		$ -	*
Asphalt Pavement, 5" thick		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	@	$ $200		$		$ -	*
Epoxy Pavement Marking		SF	@	$ $12	=	$		$ -	*
Thermoplastic Pavement Marking		SF	@	$ $22	=	$		$ -	*
Barricade - Type F		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	=	$		$ -	*

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)			LF	@	$	90	=	$		$ - *
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	@	$	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			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 =_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			EA	@	$	$4,575	=	$		$ - *
Geotextile (Erosion Control)			SY	@	$	$20	=	$		$ - *
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 (standpipes/trash racks)		EA	@	$	4,000	=	$		$ -	*
Detention Emergency Spillway (Pond C3)		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	=	$			**

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		SY	@	$ $58	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- 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"	3,150.00	LF	@	$ $94	=	$ 296,100.00		$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	$ $137	=	$		$ -
Gate Valves, 8"	27.00	EA	@	$ $1,852	=	$ 50,004.00		$ -
Fire Hydrant Assembly w/ all valves	8.00	EA	@	$ $6,430	=	$ 51,440.00		$ -
Water Service Line Installation, including tap and valves	81.00	EA	@	$ 1,253	=	$ 101,493.00		$ -
Watermain crossing Marksheffel Road		EA	@	$ $120,000	=	$		$ -
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"	3,200.00	LF	@	$ $94	=	$ 300,800.00		$ -
Sanitary Sewer Manhole, Depth < 15 feet	13.00	EA	@	$ $4,575	=	$ 59,475.00		$ -
Sanitary Service Line Installation, complete	81.00	EA	@	$ 1,516	=	$ 122,796.00		$ -
Underdrain	3,200.00	LF	@	$ 10	=	$ 32,000.00		$ -
- 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**	=	$ 1,014,108.00		

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 **$1,057,595.00**

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance **43,487.00**

(Sum of all section totals less credit for items complete)

Total Defect Warranty Financial Assurance **$1,217.80**

(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.

COLORADO REGISTERED LEO SCANDLEN 33997 PROFESSIONAL ENGINEER 4-24-2019 (P.E. Seal)

Engineer Date

Approved by Owner / Applicant Date 4/24/19

Approved by El Paso County Engineer / ECM Administrator Date

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

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EL PASO COUNTY COLORADO EST. 1861

SF-19-003