

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

10/15/2015

Project Information	
Creekside at Lorson Ranch Filing No. 1 - Early Grading	10/20/2018
Project Name	Date

PUD SP 18-005

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	60,000.00	CY @	\$ 5	= \$	300,000.00	\$ 300,000.00 *
Permanent Seeding*	30.00	AC @	\$ 582	= \$	17,460.00	\$ 17,460.00 *
Mulching*	30.00	AC @	\$ 507	= \$	15,210.00	\$ 15,210.00 *
Permanent Erosion Control Blanket*	3,500.00	SY @	\$ 6	= \$	21,000.00	\$ 21,000.00 *
Temporary Erosion Control Blanket		SY @	\$ 3	= \$		\$ -
Vehicle Tracking Control	3 — 2.00	EA @	\$ 1,625	= \$	3,250.00	\$ 3,250.00
Safety Fence		LF @	\$ 3	= \$		\$ -
Silt Fence	8,280.00	LF @	\$ 4	= \$	33,120.00	\$ 33,120.00
Temporary Seeding	9.00	AC @	\$ 485	= \$	4,365.00	\$ 4,365.00
Temporary Mulch	9.00	AC @	\$ 507	= \$	4,563.00	\$ 4,563.00
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	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				= \$	407,869.00	\$ 407,869.00

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control		LS @	\$ 5,000	= \$		\$ - *
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 @	\$ 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	= \$		\$ - *

provide

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	46.00	LF	@	\$ 182	=	\$ 8,372.00		\$ 8,372.00	*
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		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 = ___', ___' - ___' 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"	37.00	CY	@	\$ 98	=	\$ 3,626.00		\$ 3,626.00	*
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	3.00	EA	@	\$ 20,000	=	\$ 60,000.00		\$ 60,000.00	*
Detention Emergency Spillway	2.00	EA	@	\$ 15,000	=	\$ 30,000.00		\$ 30,000.00	*
Permanent Water Quality Facility (Describe)	3.00	EA	@	\$ 25,000	=	\$ 75,000.00		\$ 75,000.00	*
* specified items subject to defect warranty financial									
recurrence. A minimum of 20% to be retained up to								176,998.00	

assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6

Section 2 Subtotal	=	176,998.00		176,998.00 **
	\$			

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		SY	\$ \$38	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- 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	=	\$	\$ -
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	=	\$

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 \$ **586,867.00**

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance **586,867.00**

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

Total Defect Warranty Financial Assurance **\$106,133.60**

(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



[Signature]

1/7/19

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date