

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

Project Information: 5908 Bradley Rd	SP 16-005
Springs at Waterview	1/27/2020
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	%	Remaining	
				Complete		
Earthwork*	35,000.00	CY	@ \$ 5	= \$ 175,000.00	80.00	\$ 35,000.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	8.00	AC	@ \$ 582	= \$ 4,656.00	80.00	\$ 931.20 *
Mulching*	8.00	AC	@ \$ 507	= \$ 4,056.00	80.00	\$ 811.20 *
Permanent Erosion Control Blanket*		SY	@ \$ 6	= \$		\$ - *
Temporary Erosion Control Blanket		SY	@ \$ 3	= \$		\$ -
Vehicle Tracking Control	2.00	EA	@ \$ 1,625	= \$ 3,250.00	50.00	\$ 1,625.00
Safety Fence		LF	@ \$ 3	= \$		\$ -
Silt Fence	2,800.00	LF	@ \$ 4	= \$ 11,200.00		\$ 11,200.00
Temporary Seeding		AC	@ \$ 485	= \$		\$ -
Temporary Mulch		AC	@ \$ 507	= \$		\$ -
Erosion Bales	80.00	EA	@ \$ 21	= \$ 1,680.00		\$ 1,680.00
Erosion Logs	275.00	LF	@ \$ 6	= \$ 1,650.00		\$ 1,650.00
Rock Ditch Checks		EA	@ \$	= \$		\$ -
Inlet Protection	2.00	EA	@ \$ 153	= \$ 306.00		\$ 306.00
Sediment Basin	1.00	EA	@ \$ 1,625	= \$ 1,625.00		\$ 1,625.00
Concrete Washout Basin		EA	@ \$ 776	= \$		\$ -
		@ \$		= \$		\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process.						
Section 1 Subtotal				\$ 203,423.00		\$ 54,828.40

Section 2 - Public Improvements**	Quantity	Units	Price	%	Remaining	
				Complete		
- Roadway Improvements						
Construction Traffic Control		LS	@ \$	= \$	\$ - *	
Aggregate Base Course	3,103.00	Tons	@ \$ 18	= \$ 55,854.00	80.00	\$ 11,170.80 *
Asphalt Pavement	1,764.00	Tons	@ \$ 65	= \$ 114,660.00	80.00	\$ 22,932.00 *
Raised Median, Paved		SF	@ \$ 7	= \$	\$ - *	
Electrical Conduit, Size =		LF	@ \$ 14	= \$	\$ - *	
Traffic Signal, complete intersection		EA	@ \$ 250,000	= \$	\$ - *	
Regulatory Sign	7.00	EA	@ \$ 100	= \$ 700.00		\$ 700.00 *
Advisory Sign		EA	@ \$ 100	= \$	\$ - *	
Guide/Street Name Sign	5.00	EA	@ \$	= \$	\$ - *	
Epoxy Pavement Marking		SF	@ \$ 12	= \$	\$ - *	
Thermoplastic Pavement Marking		SF	@ \$ 22	= \$	\$ - *	
Barricade - Type 3		EA	@ \$ 115	= \$	\$ - *	
Delineator (Type I)		EA	@ \$ 21	= \$	\$ - *	
Curb and Gutter, Type C (Ramp)	4,500.00	LF	@ \$ 21	= \$ 94,500.00	80.00	\$ 18,900.00 *
Curb and Gutter, Type A (6" Vertical)	750.00	LF	@ \$ 16	= \$ 12,000.00	80.00	\$ 2,400.00 *
Curb and Gutter, Type B (Median)		LF	@ \$ 13	= \$	\$ - *	
Concrete Sidewalk, 4"	1,100.00	SY	@ \$ 38	= \$ 41,800.00		\$ 41,800.00 *
Concrete Sidewalk, 5"		SY	@ \$ 48	= \$	\$ - *	
Concrete Sidewalk, 6"		SY	@ \$ 57	= \$	\$ - *	
Pedestrian Ramp	105.00	SY	@ \$ 108	= \$ 11,340.00		\$ 11,340.00 *

Cross Pan	96.00	SY	@	\$ 53	=	\$ 5,088.00	50.00	\$ 2,544.00	*
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) Size		LF	@	\$	=	\$		\$ -	*
18" Reinforced Concrete Pipe	1,009.00	LF	@	\$ 69	=	\$ 69,621.00	80.00	\$ 13,924.20	*
24" Reinforced Concrete Pipe	354.00	LF	@	\$ 84	=	\$ 29,736.00	80.00	\$ 5,947.20	*
30" Reinforced Concrete Pipe	30.00	LF	@	\$ 94	=	\$ 2,820.00	80.00	\$ 564.00	*
36" Reinforced Concrete Pipe		LF	@	\$ 124	=	\$		\$ -	*
42" Reinforced Concrete Pipe		LF	@	\$ 134	=	\$		\$ -	*
48" Reinforced Concrete Pipe	924.00	LF	@	\$ 178	=	\$ 164,472.00	80.00	\$ 32,894.40	*
54" Reinforced Concrete Pipe	133.00	LF	@	\$ 182	=	\$ 24,206.00	80.00	\$ 4,841.20	*
60" Reinforced Concrete Pipe		LF	@	\$ 216	=	\$		\$ -	*
66" Reinforced Concrete Pipe	169.00	LF	@	\$ 263	=	\$ 44,447.00	80.00	\$ 8,889.40	*
72" Reinforced Concrete Pipe	122.00	LF	@	\$ 283	=	\$ 34,526.00	80.00	\$ 6,905.20	*
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	@	\$	=	\$		\$ -	*
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	7.00	EA	@	\$ 5,044	=	\$ 35,308.00	80.00	\$ 7,061.60	*
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	80.00	\$ 6,338.40	*
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$ 8,000	=	\$		\$ -	*
Curb Inlet (Type R) L =15' , 10'-15' Depth	2.00	EA	@	\$ 8,800	=	\$ 17,600.00	80.00	\$ 3,520.00	*
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	1.00	EA	@	\$ 3,908	=	\$ 3,908.00		\$ 3,908.00	*
Storm Sewer Manhole, Box Base, Depth < 15 feet	2.00	EA	@	\$ 8,592	=	\$ 17,184.00		\$ 17,184.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	3.00	EA	@	\$ 4,575	=	\$ 13,725.00		\$ 13,725.00	*
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$		\$ -	*
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	=	\$		\$ -	*

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, 4" 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"	2,622.00	LF	@ \$ \$94	=	\$ 246,468.00	100.00	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ \$137	=	\$		\$ -
Gate Valves, 8"	17.00	EA	@ \$ \$1,852	=	\$ 31,484.00	100.00	\$ -
Fire Hydrant Assembly w/ all valves	6.00	EA	@ \$ \$6,430	=	\$ 38,580.00	100.00	\$ -
Water Service Line Installation, including tap and valves	85.00	EA	@ \$ \$1,253	=	\$ 106,505.00	100.00	\$ -
Fire Cistern Installation, complete		EA	@ \$	=	\$		\$ -
- Sanitary Sewer Improvements							
Sewer Main Pipe (PVC), Size 8"	2,397.00	LF	@ \$ \$94	=	\$ 225,318.00	100.00	\$ -
Sanitary Sewer Manhole, Depth < 15 feet	13.00	EA	@ \$ \$4,575	=	\$ 59,475.00	100.00	\$ -
Sanitary Service Line Installation, complete	85.00	EA	@ \$ \$1,516	=	\$ 128,860.00	100.00	\$ -
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	=	\$ 836,690.00	

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$2,000
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$1,867,300.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	294,317.80
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$201,779.80
	(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.

Charles K. Collier 1/28/2020
Engineer Date



[Signature] 1/28/2020
Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator

Approved
By: Elizabeth Nijkamp
Date: 01/28/2020
El Paso County Planning & Community Development

