

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

Project Information	
RETREAT AT TIMBERRIDGE FILING NO. 1	4/5/2019
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY	@ \$5	= \$	\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)	7.50	AC	@ \$582	= \$ 4,365.00	\$ 4,365.00 *
Mulching*	7.50	AC	@ \$507	= \$ 3,802.50	\$ 3,802.50 *
Permanent Erosion Control Blanket*	2,900.00	SY	@ \$6	= \$ 17,400.00	\$ 17,400.00 *
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	7,600.00	LF	@ \$4	= \$ 30,400.00	\$ 30,400.00
Temporary Seeding	3.50	AC	@ \$485	= \$ 1,697.50	\$ 1,697.50
Temporary Mulch	3.50	AC	@ \$507	= \$ 1,774.50	\$ 1,774.50
Erosion Bales	75.00	EA	@ \$21	= \$ 1,575.00	\$ 1,575.00
Erosion Logs		LF	@ \$6	= \$	\$ -
Rock Ditch Checks		EA	@ \$	= \$	\$ -
Inlet Protection	10.00	EA	@ \$153	= \$ 1,530.00	\$ 1,530.00
Sediment Basin	8.00	EA	@ \$1,625	= \$ 13,000.00	\$ 13,000.00
Concrete Washout Basin	1.00	EA	@ \$776	= \$ 776.00	\$ 776.00
		@ \$	= \$		\$ -
* 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				= \$ 79,570.50	\$ 79,570.50

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS	@ \$	= \$	\$ - *
Aggregate Base Course	7,300.00	Tons	@ \$18	= \$ 131,400.00	\$ 131,400.00 *
Asphalt Pavement	6,185.00	Tons	@ \$65	= \$ 402,025.00	\$ 402,025.00 *
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	1.00	EA	@ \$100	= \$ 100.00	\$ 100.00 *
Guide/Street Name Sign	14.00	EA	@ \$100	= \$ 1,400.00	\$ 1,400.00 *
Epoxy Pavement Marking		SF	@ \$12	= \$	\$ - *
Thermoplastic Pavement Marking		SF	@ \$22	= \$	\$ - *
Barricade - Type 3	3.00	EA	@ \$115	= \$ 345.00	\$ 345.00 *
Delineator (Type I)		EA	@ \$21	= \$	\$ - *
Curb and Gutter, Type C (Ramp)	6,600.00	LF	@ \$21	= \$ 138,600.00	\$ 138,600.00 *
Curb and Gutter, Type A (6" Vertical)	4,050.00	LF	@ \$16	= \$ 64,800.00	\$ 64,800.00 *
Curb and Gutter, Type B (Median)		LF	@ \$13	= \$	\$ - *
Concrete Sidewalk, 4"	4,550.00	SY	@ \$38	= \$ 172,900.00	\$ 172,900.00 *
Concrete Sidewalk, 5"	130.00	SY	@ \$48	= \$ 6,240.00	\$ 6,240.00 *
Concrete Sidewalk, 6"		SY	@ \$57	= \$	\$ - *
Pedestrian Ramp	175.00	SY	@ \$108	= \$ 18,900.00	\$ 18,900.00 *
Cross Pan	130.00	SY	@ \$53	= \$ 6,890.00	\$ 6,890.00 *
Curb Chase		EA	@ \$1,300	= \$	\$ - *

Are these right? 5" should be used in front of urban lots and can be in Section 3 of the FAE.

Verify/add the highlighted items/values.

\$58

Guardrail Type 3 (W-Beam)	150.00	LF	@	\$	\$18	=	\$	2,700.00	=	\$	2,700.00	*
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$		=	\$	-	*
Guardrail End Anchorage	1.00	EA	@	\$	\$1,978	=	\$	1,978.00	=	\$	1,978.00	*
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$		=	\$	-	*
Sound Barrier Fence		LF	@	\$	\$100	=	\$		=	\$	-	*
- Storm Drain Improvements												
Concrete Box Culvert (M Standard), Triple (8' x 12')	140.00	LF	@	\$	1,800	=	\$	252,000.00	=	\$	252,000.00	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$		=	\$	-	*
18" Reinforced Concrete Pipe	105.00	LF	@	\$	\$69	=	\$	7,245.00	=	\$	7,245.00	*
24" Reinforced Concrete Pipe	1,325.00	LF	@	\$	\$84	=	\$	111,300.00	=	\$	111,300.00	*
30" Reinforced Concrete Pipe	275.00	LF	@	\$	\$94	=	\$	25,850.00	=	\$	25,850.00	*
36" Reinforced Concrete Pipe	740.00	LF	@	\$	\$124	=	\$	91,760.00	=	\$	91,760.00	*
42" Reinforced Concrete Pipe	665.00	LF	@	\$	\$134	=	\$	89,110.00	=	\$	89,110.00	*
48" Reinforced Concrete Pipe	600.00	LF	@	\$	\$178	=	\$	106,800.00	=	\$	106,800.00	*
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 †	3.00	EA	@	\$	800	=	\$	2,400.00	=	\$	2,400.00	*
Flared End Section (FES) CSP †		EA	@	\$		=	\$		=	\$	-	*
End Treatment- Headwall	5.00	EA	@	\$	1,200	=	\$	6,000.00	=	\$	6,000.00	*
End Treatment- Wingwall (Triple Box Culvert)	4.00	EA	@	\$	10,000	=	\$	40,000.00	=	\$	40,000.00	*
End Treatment - Cutoff Wall (Triple Box Culvert)	2.00	EA	@	\$	2,500	=	\$	5,000.00	=	\$	5,000.00	*
Curb Inlet (Type R) L=5', Depth < 5 feet	2.00	EA	@	\$	\$3,791	=	\$	7,582.00	=	\$	7,582.00	*
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	3.00	EA	@	\$	\$5,528	=	\$	16,584.00	=	\$	16,584.00	*
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		EA	@	\$	\$7,923	=	\$		=	\$	-	*
Curb Inlet (Type R) L=15', 5'-10' Depth	3.00	EA	@	\$	\$8,000	=	\$	24,000.00	=	\$	24,000.00	*
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	5.00	EA	@	\$	\$8,592	=	\$	42,960.00	=	\$	42,960.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	5.00	EA	@	\$	\$4,575	=	\$	22,875.00	=	\$	22,875.00	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		=	\$	-	*
Rip Rap, d50 Size from 6" to 24"	130.00	CY	@	\$	\$98	=	\$	12,740.00	=	\$	12,740.00	*

Bank stabilization

Rip Rap, Grouted		CY	@	\$ 215	=	\$	\$ -	*
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$	\$ -	*
Channel Const. (Check Sturcture)	115.00	LF	@	\$ 200	=	\$ 23,000.00	\$ 23,000.00	*
Channel Const. (Check Sturcture Rip Rap)	130.00	CY	@	\$ 98	=	\$ 12,740.00	\$ 12,740.00	*
Channel Lining, Grass		AC	@	\$ 1,287	=	\$	\$ -	*
Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$	\$ -	*
Detention Outlet Structure		EA	@	\$	=	\$	\$ -	*
Detention Emergency Spillway		EA	@	\$	=	\$	\$ -	*
Permanent Water Quality Facility (EDB)	2.00	EA	@	\$ 50,000	=	\$ 100,000.00	\$ 100,000.00	*
* 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. † For flared end sections, multiply pipe LF cost by 6								
Section 2 Subtotal					=	\$ 1,948,924.00	\$ 1,948,924.00	**

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, 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"		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	=	\$		\$ -
Fire Cistern Installation, complete		EA	@	\$	=	\$		\$ -
- 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					=	\$		

fencing and landscape for PUD required landscape adjacent to these lots and roads

Engineering Review

05/21/2019 2:08:58 PM

dsdrice

JeffRice@elpasoco.com

(719) 520-7877

EPC Planning & Community Development Department

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$4,500</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	<u>\$2,032,994.50</u>
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	<u>2,032,994.50</u>
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	<u>\$394,898.30</u>
	(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
(P.E. Seal)	

Approved by Owner / Applicant	Date
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Approved by El Paso County Engineer / ECM Administrator	Date
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