

CCER Responses

updated on new FAE form

SF-19-009

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
<b>Earthwork*</b>		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	= \$	\$ -
<b>Rock Ditch Checks</b>		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
		@ \$	= \$		\$ -
Section 1 Subtotal				= \$ 79,570.50	\$ 79,570.50

\* 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 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
<b>Construction Traffic Control</b>		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	=	\$	\$ -	*	
<b>- Storm Drain Improvements</b>									
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	*	

Revised

## 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	*
								=	1,948,924.00	1,948,924.00	**
<b>Section 2 Subtotal</b>								\$			

\* 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 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, 4" thick		SY	@	\$38	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
<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"		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	@	\$	=	\$	\$ -
<b>- Sanitary Sewer Improvements</b>							
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	@	\$	=	\$	\$ -
<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	\$	=	\$	\$ -
fencing and landscape for PUD required landscape adjacent to these lots and roads			EA	\$	=	\$	\$ -
			EA	\$	=	\$	\$ -
			EA	\$	=	\$	\$ -
<b>Section 3 Subtotal</b>							

\*\*\*Items in this section are not subject to defect warranty financial assurance

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) \$ \$4,500  
( Inc. survey to verify detention pond volumes.)

**Total Construction Financial Assurance** \$2,032,994.50  
(Sum of all section subtotals)

**Total Remaining Construction Financial Assurance** 2,032,994.50  
(Sum of all section totals less credit for items complete)

**Total Defect Warranty Financial Assurance** \$394,898.30  
(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 (P.E. Seal) Date

\_\_\_\_\_  
Approved by Owner / Applicant Date

\_\_\_\_\_  
Approved by El Paso County Engineer / ECM Administrator Date

# 2019 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 7/16/2019

PROJECT INFORMATION		
RETREAT AT TIMBERRIDGE FILING NO. 1	8/13/2019	SF-19-009
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min	150,000	CY	\$ 2.50	=	\$ 375,000.00		\$ 375,000.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	10	AC	\$ 800.00	=	\$ 8,000.00		\$ 8,000.00
* Mulching	10	AC	\$ 750.00	=	\$ 7,500.00		\$ 7,500.00
* Permanent Erosion Control Blanket	3,200	SY	\$ 6.00	=	\$ 19,200.00		\$ 19,200.00
* Permanent Pond/BMP Construction	1,000	CY	\$ 20.00	=	\$ 20,000.00		\$ 20,000.00
* Permanent Pond/BMP (Spillway)	3	EA	\$ 5,000.00	=	\$ 15,000.00		\$ 15,000.00
* Permanent Pond/BMP (Outlet Structure)	3	EA	\$ 8,000.00	=	\$ 24,000.00		\$ 24,000.00
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	1,500	SY	\$ 3.00	=	\$ 4,500.00		\$ 4,500.00
Vehicle Tracking Control	2	EA	\$ 2,370.00	=	\$ 4,740.00		\$ 4,740.00
Silt Fence	7,600	LF	\$ 2.50	=	\$ 19,000.00		\$ 19,000.00
Temporary Seeding	5	AC	\$ 628.00	=	\$ 3,140.00		\$ 3,140.00
Temporary Mulch	5	AC	\$ 750.00	=	\$ 3,750.00		\$ 3,750.00
Erosion Bales	75	EA	\$ 25.00	=	\$ 1,875.00		\$ 1,875.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams	8	EA	\$ 500.00	=	\$ 4,000.00		\$ 4,000.00
Inlet Protection	10	EA	\$ 167.00	=	\$ 1,670.00		\$ 1,670.00
Sediment Basin	8	EA	\$ 1,762.00	=	\$ 14,096.00		\$ 14,096.00
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00		\$ 900.00
				=	\$ -		\$ -
<i>(insert items not listed but part of construction plans)</i>				=	\$ -		\$ -
				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ 20,184.85		\$ 20,184.85
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
<b>Section 1 Subtotal</b>					=	<b>\$ 546,555.85</b>	<b>\$ 546,555.85</b>

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)	7,300	Tons	\$ 28.00	=	\$ 204,400.00		\$ 204,400.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	21,800	SY	\$ 19.00	=	\$ 414,200.00		\$ 414,200.00
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 88.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	14	EA	\$ 300.00	=	\$ 4,200.00		\$ 4,200.00
Guide/Street Name Sign	14	EA	\$ 250.00	=	\$ 3,500.00		\$ 3,500.00
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -
Barricade - Type 3	3	EA	\$ 200.00	=	\$ 600.00		\$ 600.00
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	4,050	LF	\$ 30.00	=	\$ 121,500.00		\$ 121,500.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	6,600	LF	\$ 30.00	=	\$ 198,000.00		\$ 198,000.00
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -
5" Sidewalk	4,550	SY	\$ 60.00	=	\$ 273,000.00		\$ 273,000.00
6" Sidewalk	130	SY	\$ 72.00	=	\$ 9,360.00		\$ 9,360.00
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 61.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,480.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)	300	LF	\$ 49.00	=	\$ 14,700.00		\$ 14,700.00
Guardrail Type 7 (Concrete)		LF	\$ 72.00	=	\$ -		\$ -
Guardrail End Anchorage	2	EA	\$ 2,098.00	=	\$ 4,196.00		\$ 4,196.00
Guardrail Impact Attenuator		EA	\$ 3,767.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000.00	=	\$ -		\$ -

**PROJECT INFORMATION**

**RETREAT AT TIMBERRIDGE FILING NO. 1**

**8/13/2019**

**SF-19-009**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Dual Multi-plate <b>Steel Arch</b> Culverts, Size ( 26' x 8'- 7" )	2	EA	\$150,000.00	=	\$ 300,000.00		\$ 300,000.00
18" Reinforced Concrete Pipe	135	LF	\$ 65.00	=	\$ 8,775.00		\$ 8,775.00
24" Reinforced Concrete Pipe	1,325	LF	\$ 78.00	=	\$ 103,350.00		\$ 103,350.00
30" Reinforced Concrete Pipe	275	LF	\$ 97.00	=	\$ 26,675.00		\$ 26,675.00
36" Reinforced Concrete Pipe	740	LF	\$ 120.00	=	\$ 88,800.00		\$ 88,800.00
42" Reinforced Concrete Pipe	665	LF	\$ 160.00	=	\$ 106,400.00		\$ 106,400.00
48" Reinforced Concrete Pipe	600	LF	\$ 195.00	=	\$ 117,000.00		\$ 117,000.00
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>	3	EA	\$ 800.00	=	\$ 2,400.00		\$ 2,400.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall (Arch Culverts)	2	EA	\$ 8,000.00	=	\$ 16,000.00		\$ 16,000.00
End Treatment- Wingwall (Arch Culverts)	2	EA	\$ 12,000.00	=	\$ 24,000.00		\$ 24,000.00
End Treatment - Headwall (Pipe Outlets)	5	EA	\$ 1,200.00	=	\$ 6,000.00		\$ 6,000.00
Curb Inlet (Type R) L=5', Depth < 5'	2	EA	\$ 5,542.00	=	\$ 11,084.00		\$ 11,084.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	3	EA	\$ 7,627.00	=	\$ 22,881.00		\$ 22,881.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	3	EA	\$ 10,633.00	=	\$ 31,899.00		\$ 31,899.00
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	\$ -		\$ -
Grated Inlet (Type C) RG Outlet Depth < 5'	1	EA	\$ 4,640.00	=	\$ 4,640.00		\$ 4,640.00
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	5	EA	\$ 11,627.00	=	\$ 58,135.00		\$ 58,135.00
Storm Sewer Manhole, Slab Base	5	EA	\$ 6,395.00	=	\$ 31,975.00		\$ 31,975.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	870	Tons	\$ 80.00	=	\$ 69,600.00		\$ 69,600.00
Rip Rap, Grouted		Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	660	CY	\$ 112.00	=	\$ 73,920.00		\$ 73,920.00
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -
Drainage Channel Lining, Sheet Pile Check Structures	485	LF	\$ 200.00	=	\$ 97,000.00		\$ 97,000.00
Permanent Pond/BMP (EDB)	2	EA	\$ 50,000.00	=	\$ 100,000.00		\$ 100,000.00
Permanent Pond/BMP (RG)	1	EA	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00
<b>Section 2 Subtotal</b>				=	<b>\$ 2,578,190.00</b>		<b>\$ 2,578,190.00</b>

PROJECT INFORMATION		
RETREAT AT TIMBERRIDGE FILING NO. 1	8/13/2019	SF-19-009
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>						
<b>ROADWAY IMPROVEMENTS</b>						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>						
Water Main Pipe (PVC), Size 8"	4,550	LF	\$ 64.00	= \$	291,200.00	\$ 291,200.00
Water Main Pipe (PVC), Size 12"	4,300	LF	\$ 75.00	= \$	322,500.00	\$ 322,500.00
Gate Valves, 8"	30	EA	\$ 1,858.00	= \$	55,740.00	\$ 55,740.00
Fire Hydrant Assembly, w/ all valves	12	EA	\$ 6,597.00	= \$	79,164.00	\$ 79,164.00
Water Service Line Installation, inc. tap and valves	59	EA	\$ 1,324.00	= \$	78,116.00	\$ 78,116.00
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				= \$	-	\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>						
Sewer Main Pipe (PVC), Size 8"	9,450	LF	\$ 64.00	= \$	604,800.00	\$ 604,800.00
Sanitary Sewer Manhole, Depth < 15 feet	36	EA	\$ 4,386.00	= \$	157,896.00	\$ 157,896.00
Sanitary Service Line Installation, complete	59	EA	\$ 1,402.00	= \$	82,718.00	\$ 82,718.00
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				= \$	-	\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)						
3-Rail Fencing (Adacent to Vollmer Rd.)	1,600	LF	\$ 10.00	= \$	16,000.00	\$ 16,000.00
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
				= \$	-	\$ -
<b>Section 3 Subtotal</b>				<b>= \$</b>	<b>1,688,134.00</b>	<b>\$ 1,688,134.00</b>

\*\* - Section 3 is not subject to defect warranty requirements

developer installed  
landscape/trail

underdrain

**PROJECT INFORMATION**

<b>RETREAT AT TIMBERRIDGE FILING NO. 1</b>	<b>8/13/2019</b>	<b>SF-19-009</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,000.00	=	\$	5,000.00	\$	5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 2,000.00	=	\$	2,000.00	\$	2,000.00
<b>Total Construction Financial Assurance</b>							<b>\$</b>	<b>4,819,879.85</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)								
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>							<b>\$</b>	<b>4,819,879.85</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)								
<b>Total Defect Warranty Financial Assurance</b>							<b>\$</b>	<b>609,378.00</b>
(20% of all items identified as (*). 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.

\_\_\_\_\_  
 Engineer (P.E. Seal Required)

\_\_\_\_\_  
 Approved by Owner / Applicant

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Approved by El Paso County Engineer / ECM Administrator

\_\_\_\_\_  
 Date