

See Revised

Update to 2023 form

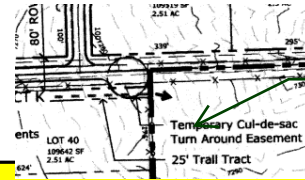
Highlighted quantities do not match with CDs

Proposing 15 rock check dams and 9 IP

EPC STORMWATER REVIEW COMMENTS IN ORANGE BOXES WITH BLACK TEXT

please verify this is included in FAE and CDS

Updated: 11/4/2021



2022 Financial Assurance Estimate Form (with pre-plate construction)

PROJECT INFORMATION			
RETREAT AT TIMBERRIDGE FILING NO. 3	12/21/2022	22-XXX	
Project Name	Date	PCD File No.	SF-22-041

Description	Quantity	Units	Unit Cost	Total	(with % Complete)	Revised
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)						
* Earthwork						
less than 1,000; \$5,000		CY	\$ 8.00	= \$ -		\$ -
1,000-5,000; \$8,000		CY	\$ 6.00	= \$ -		\$ -
5,001-20,000; \$30,000		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000	45,000	CY	\$ 3.50	= \$ 157,500.00		\$ 157,500.00
50,001-200,000; \$175,000		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	11.5	AC	\$ 886.00	= \$ 10,189.00		\$ 10,189.00
* Mulching	11.5	AC	\$ 831.00	= \$ 9,556.50		\$ 9,556.50
* Permanent Erosion Control Blanket	13,700	SY	\$ 7.00	= \$ 95,900.00		\$ 95,900.00
* Permanent Rain Garden BMPs Construction	1,500	CY	\$ 22.00	= \$ 33,000.00		\$ 33,000.00
* Permanent Rain Garden BMPs	2	EA	\$ 30,000.00	= \$ 60,000.00		\$ 60,000.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,625.00	= \$ 5,250.00		\$ 5,250.00
Silt Fence	3,500	LF	\$ 3.00	= \$ 10,500.00		\$ 10,500.00
Temporary Seeding		AC	\$ 695.00	= \$ -		\$ -
Temporary Mulch		AC	\$ 831.00	= \$ -		\$ -
Erosion Bales		EA	\$ 28.00	= \$ -		\$ -
Erosion Logs/Straw Wattles	45	LF	\$ 6.00	= \$ 270.00		\$ 270.00
Rock Check Dams	15	EA	\$ 554.00	= \$ 8,310.00		\$ 8,310.00
Inlet Protection	8	EA	\$ 185.00	= \$ 1,480.00		\$ 1,480.00
Sediment Basin	2	EA	\$ 1,952.00	= \$ 3,904.00		\$ 3,904.00
Concrete Washout Basin	1	EA	\$ 997.00	= \$ 997.00		\$ 997.00
<i>(insert items not listed but part of construction plans)</i>						
MAINTENANCE (35% of Construction BMPs)				= \$ 10,748.85		\$ 10,748.85
Section 1 Subtotal				= \$ 407,605.35		\$ 407,605.35

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
Aggregate Base Course	190,150	Tons	\$ 31.00	= \$ 5,904,650.00		\$ 5,904,650.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 16.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	18,650	SY	\$ 21.00	= \$ 391,650.00		\$ 391,650.00
Asphalt Pavement (6" thick)		SY	\$ 32.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 97.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 9.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	4	EA	\$ 333.00	= \$ 1,332.00		\$ 1,332.00
Guide/Street Name Sign	9	EA	\$ 250.00	= \$ 2,250.00		\$ 2,250.00
Epoxy Pavement Marking		EA	\$ 15.00	= \$ -		\$ -
Thermoplastic Pavement Marking		EA	\$ 26.00	= \$ -		\$ -
Barricade - Type 3	1	EA	\$ 221.00	= \$ 221.00		\$ 221.00
Delineator - Type I		EA	\$ 27.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,270	LF	\$ 32.00	= \$ 40,640.00		\$ 40,640.00
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	2,620	LF	\$ 32.00	= \$ 83,840.00		\$ 83,840.00
10' Regional Multi-use Trail (Arroya Lane / channel)	2,800	SY	\$ 15.00	= \$ 42,000.00		\$ 42,000.00
5" Sidewalk		SY	\$ 66.00	= \$ -		\$ -
6" Sidewalk	1	SY	\$ 80.00	= \$ 80.00		\$ 80.00
8" Sidewalk		SY	\$ 106.00	= \$ -		\$ -
Pedestrian Ramp	2	EA	\$ 1,273.00	= \$ 2,546.00		\$ 2,546.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 67.00	= \$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,639.00	= \$ -		\$ -
Guardrail Type 3 (W-Bearing)	400	LF	\$ 55.00	= \$ 22,000.00		\$ 22,000.00
Guardrail Type 7 (Concrete)		LF	\$ 80.00	= \$ -		\$ -
Guardrail End Anchorage	2	EA	\$ 2,324.00	= \$ 4,648.00		\$ 4,648.00
Guardrail Impact Attenuator		EA	\$ 4,172.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 87.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 18.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	= \$ -		\$ -

PROJECT INFORMATION

RETREAT AT TIMBERRIDGE FILING NO. 3	12/21/2022	22-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
				=	\$	-		\$ -	
STORM DRAIN IMPROVEMENTS									
BridgeCor Steel Box Culvert, Size (31'-11" x 11'-8")	83	LF	\$ 1,218.36	=	\$	101,123.88		\$ 101,123.88	
BridgeCor Steel Box Culvert, Size (Foundation)	1	LS	\$ 107,900.00	=	\$	107,900.00		\$ 107,900.00	
BridgeCor Steel Box Culvert, Size (Installation/Backfill)	1	LS	\$ 215,800.00	=	\$	215,800.00		\$ 215,800.00	
				=	\$	-		\$ -	
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -	
18" Reinforced Concrete Pipe	345	LF	\$ 70.00	=	\$	24,150.00		\$ 24,150.00	
24" Reinforced Concrete Pipe	440	LF	\$ 83.00	=	\$	36,520.00		\$ 36,520.00	
30" Reinforced Concrete Pipe	1,135	LF	\$ 104.00	=	\$	118,040.00		\$ 118,040.00	
36" Reinforced Concrete Pipe	535	LF	\$ 128.00	=	\$	68,480.00		\$ 68,480.00	
42" Reinforced Concrete Pipe		LF	\$ 171.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 209.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 272.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$	-		\$ -	
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$	-		\$ -	
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$	-		\$ -	
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>	18	EA		=	\$	-		\$ -	
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
Headwall - BridgeCor Steel Box Culvert	1	LS	\$ 75,000.00	=	\$	75,000.00		\$ 75,000.00	
Wingwall - BridgeCor Steel Box Culvert	1	LS	\$ 180,000.00	=	\$	180,000.00		\$ 180,000.00	
Railing - BridgeCor Steel Box Culvert	330	LF	\$ 28.00	=	\$	9,240.00		\$ 9,240.00	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	3	EA	\$ 7,981.00	=	\$	23,943.00		\$ 23,943.00	
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 8,447.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,984.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	1	EA	\$ 11,775.00	=	\$	11,775.00		\$ 11,775.00	
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 11,706.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,920.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base	3	EA	\$ 12,876.00	=	\$	38,628.00		\$ 38,628.00	
Storm Sewer Manhole, Slab Base	6	EA	\$ 7,082.00	=	\$	42,492.00		\$ 42,492.00	
Geotextile (Erosion Control) TRM		SY	\$ 7.00	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"	671	Tons	\$ 89.00	=	\$	59,719.00		\$ 59,719.00	
Rip Rap, Grouted		Tons	\$ 105.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$	-		\$ -	
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap	270	CY	\$ 124.00	=	\$	33,480.00		\$ 33,480.00	
				=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$	-		\$ -	
Drainage Channel Lining, Sheet Pile Check Structures	1	EA	\$ 45,000.00	=	\$	45,000.00		\$ 45,000.00	
				=	\$	-		\$ -	
Section 2 Subtotal					=	\$	2,094,867.88	\$	2,094,867.88

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE)

PROJECT INFORMATION		
RETREAT AT TIMBERRIDGE FILING NO. 3	12/21/2022	22-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						

				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-

STORM DRAIN IMPROVEMENTS		(Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-

WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$	-	\$	-
Water Main Pipe (DIP), Size 24" Cherokee Reloc.	835	LF	\$ 125.00	=	\$	104,375.00	\$	104,375.00
Gate Valves, 8"	5	EA	\$ 2,058.00	=	\$	10,290.00	\$	10,290.00
Fire Hydrant Assembly, w/ all valves	3	EA	\$ 7,306.00	=	\$	21,918.00	\$	21,918.00
Water Service Line Installation, inc. tap and valves	28	EA	\$ 1,466.00	=	\$	41,048.00	\$	41,048.00
Fire Cistern Installation, complete		EA		=	\$	-	\$	-
				=	\$	-	\$	-
<i>[insert items not listed but part of construction plans]</i>				=	\$	-	\$	-

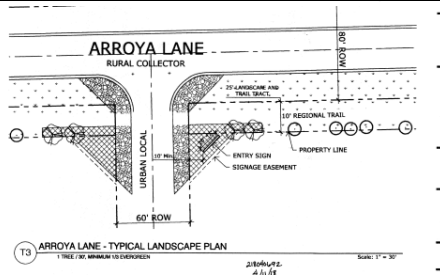
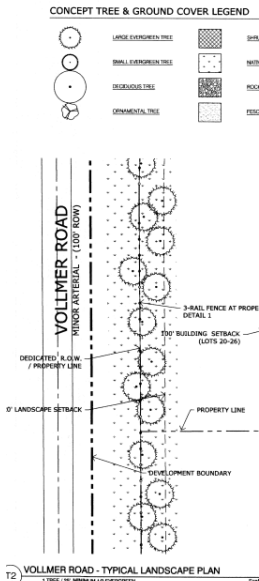
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	185	LF	\$ 71.00	=	\$	13,135.00	\$	13,135.00
Sanitary Sewer Manhole, Depth < 15 feet	1	EA	\$ 4,858.00	=	\$	4,858.00	\$	4,858.00
Sanitary Service Line Installation, complete	28	EA	\$ 1,553.00	=	\$	43,484.00	\$	43,484.00
Sanitary Sewer Lift Station, complete		EA		=	\$	-	\$	-
				=	\$	-	\$	-
<i>[insert items not listed but part of construction plans]</i>				=	\$	-	\$	-

LANDSCAPING IMPROVEMENTS		(For subdivision specific condition of approval, or PUD)						
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
Section 3 Subtotal				=	\$	239,108.00	\$	239,108.00

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

please add fencing, trail per the PUD

Added fencing but trail already included in Section 2 above



costs are very low considering the amount of work to be completed

PROJECT INFORMATION		
RETREAT AT TIMBERRIDGE FILING NO. 3	12/21/2022	22-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 2,500.00	= \$ 2,500.00		\$ 2,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,200.00	= \$ 1,200.00		\$ 1,200.00
Total Construction Financial Assurance						\$ 2,745,281.23
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,745,281.23
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 492,202.68
(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 _____