

2023 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION		
PEACEFUL RIDGE PHASE 2	12.20.2023	CDR-22-015
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
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	5800.	CY	\$ 5.00	=	\$ 30,000.00		\$ 30,000.00
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	=	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching		AC	\$ 1,875.00	=	\$ -		\$ -
Permanent Pond/BMP (provide engineer's estimate)		EA	\$ 130,000.00	=	\$ -		\$ -
Concrete Washout Basin	2.	EA	\$ 1,089.00	=	\$ 2,178.00		\$ 2,178.00
Inlet Protection		EA	\$ 202.00	=	\$ -		\$ -
Rock Check Dam		EA	\$ 605.00	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 2,132.00	=	\$ -		\$ -
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	2360.	LF	\$ 3.00	=	\$ 7,080.00		\$ 7,080.00
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	180.	LF	\$ 7.00	=	\$ 1,260.00		\$ 1,260.00
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	9126.1	SY	\$ 3.00	=	\$ 27,378.30		\$ 27,378.30
Temporary Seeding and Mulching	15.	AC	\$ 1,666.00	=	\$ 24,990.00		\$ 24,990.00
Vehicle Tracking Control	2.	EA	\$ 2,867.00	=	\$ 5,734.00		\$ 5,734.00
Sediment Control Logs	1026.	LF	\$ 5.00	=	\$ 5,130.00		\$ 5,130.00
<i>*Earthwork above is for grading of roads, utility install</i>					\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>					\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)						\$ 25,050.31	\$ 25,050.31
Section 1 Subtotal					=	\$ 128,800.61	\$ 128,800.61

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SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	2435.	CY	\$ 61.00	=	\$ 148,535.00		\$ 148,535.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	13405.	SY	\$ 23.00	=	\$ 308,315.00		\$ 308,315.00
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) <u> </u> " thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	2.	EA	\$ 364.00	=	\$ 728.00		\$ 728.00
Guide/Street Name Sign	4.	EA	\$ 250.00	=	\$ 1,000.00		\$ 1,000.00
Epoxy Pavement Marking		SF	\$ 16.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1248.	LF	\$ 35.00	=	\$ 43,680.00		\$ 43,680.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	4892.	LF	\$ 35.00	=	\$ 171,220.00		\$ 171,220.00
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	4134.	SY	\$ 72.00	=	\$ 297,648.00		\$ 297,648.00
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	8.	EA	\$ 1,390.00	=	\$ 11,120.00		\$ 11,120.00
Cross Pan, local (8" thick, 6' wide to include return)	75.	LF	\$ 73.00	=	\$ 5,475.00		\$ 5,475.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	=	\$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,790.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size = <u> </u>		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

PROJECT INFORMATION

PEACEFUL RIDGE PHASE 2

12.20.2023

CDR-22-015

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF	=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 76.00	= \$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 91.00	= \$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 114.00	= \$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 140.00	= \$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 187.00	= \$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 228.00	= \$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 297.00	= \$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 348.00	= \$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 402.00	= \$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 460.00	= \$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 98.00	= \$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 112.00	= \$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 143.00	= \$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 171.00	= \$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 197.00	= \$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 207.00	= \$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 304.00	= \$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 328.00	= \$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 397.00	= \$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 467.00	= \$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 537.00	= \$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 642.00	= \$ -		\$ -
Flared End Section (FES) RCP Size = 8" pipe <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 3,000.00	= \$ -		\$ -
Flared End Section (FES) CSP Size = 24" pipe <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 4,000.00	= \$ -		\$ -
End Treatment- Headwall		EA	=	\$ -		\$ -
End Treatment- Wingwall		EA	=	\$ -		\$ -
End Treatment - Cutoff Wall		EA	=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	= \$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	= \$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	= \$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	= \$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	= \$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00	= \$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	= \$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 8.00	= \$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00	= \$ -		\$ -
Rip Rap, Grouted		Tons	\$ 115.00	= \$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 689.00	= \$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	= \$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	= \$ -		\$ -
Drainage Channel Lining, Other Stabilization			=	\$ -		\$ -
<i>48"x63" HE Reinforced Concrete Pipe</i>		LF	\$ 460.00	= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>			=	\$ -		\$ -
Section 2 Subtotal				= \$	992,721.00	\$ 992,721.00

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PROJECT INFORMATION

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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)							
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$ -		\$ -
40" x 63" HERCP		LF	\$ 402.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 48"		EA	\$ 684.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	3143.	LF	\$ 78.00	=	\$ 245,154.00		\$ 245,154.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -		\$ -
Gate Valves, 8"	25.	EA	\$ 2,247.00	=	\$ 56,175.00		\$ 56,175.00
Fire Hydrant Assembly, w/ all valves	7.	EA	\$ 7,978.00	=	\$ 55,846.00		\$ 55,846.00
Water Service Line Installation, inc. tap and valves	109.	EA	\$ 1,601.00	=	\$ 174,509.00		\$ 174,509.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Water Main Pipe (PVC), Size 6"	155.	LF	\$ 66.00	=	\$ 10,230.00		\$ 10,230.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	3234.	LF	\$ 78.00	=	\$ 252,252.00		\$ 252,252.00
Sanitary Sewer Manhole, Depth < 15 feet	5.	EA	\$ 5,305.00	=	\$ 26,525.00		\$ 26,525.00
Sanitary Service Line Installation, complete	109.	EA	\$ 1,696.00	=	\$ 184,864.00		\$ 184,864.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sanitary Sewer Manhole, Depth > 15 feet	5.	EA	\$ 8,500.00	=	\$ 42,500.00		\$ 42,500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		LS		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 1,048,055.00	\$ 1,048,055.00
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		=	\$ -		\$ -
Total Construction Financial Assurance						\$ 2,174,576.61	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,174,576.61	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 204,544.20	
(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)

Julie R. White

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

December 20th, 2023

Date

Date