

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

Updated: 10/2023

PROJECT INFORMATION		
PEACEFUL RIDGE at Fountain Valley	11.6.2023	CDR-22-015
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	15800.	CY	\$ 5.00	=	\$ 79,000.00		\$ 79,000.00
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)	1.	EA	\$ 130,000.00	=	\$ 130,000.00		\$ 130,000.00
Concrete Washout Basin	2.	EA	\$ 1,089.00	=	\$ 2,178.00		\$ 2,178.00
Inlet Protection	16.	EA	\$ 202.00	=	\$ 3,232.00		\$ 3,232.00
Rock Check Dam	16.	EA	\$ 605.00	=	\$ 9,680.00		\$ 9,680.00
Safety Fence		LF	\$ 3.00	=	\$ 48.00		\$ 48.00
Sediment Basin		EA	\$ 2,132.00	=	\$ -		\$ -
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	7965.	LF	\$ 3.00	=	\$ 23,895.00		\$ 23,895.00
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	2880.	LF	\$ 7.00	=	\$ 20,160.00		\$ 20,160.00
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	15829.	SY	\$ 3.00	=	\$ 47,487.00		\$ 47,487.00
Temporary Seeding and Mulching	43.3	AC	\$ 1,666.00	=	\$ 72,137.80		\$ 72,137.80
Vehicle Tracking Control	2.	EA	\$ 2,867.00	=	\$ 5,734.00		\$ 5,734.00
Sediment Control Logs	2026.	LF	\$ 5.00	=	\$ 10,130.00		\$ 10,130.00
<i>*Earthwork above is for grading of roads, utility install</i>							\$ -
<i>[insert items not listed but part of construction plans]</i>							\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>						\$ 67,376.33	\$ 67,376.33
<b>Section 1 Subtotal</b>					<b>=</b>	<b>\$ 471,058.13</b>	<b>\$ 471,058.13</b>

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

**SECTION 2 - PUBLIC IMPROVEMENTS \***

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	6300.	CY	\$ 61.00	=	\$ 384,300.00		\$ 384,300.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	37805.	SY	\$ 23.00	=	\$ 869,515.00		\$ 869,515.00
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	17.	EA	\$ 364.00	=	\$ 6,188.00		\$ 6,188.00
Guide/Street Name Sign	30.	EA	\$ 250.00	=	\$ 7,500.00		\$ 7,500.00
Epoxy Pavement Marking		SF	\$ 16.00	=	\$ 4,944.00		\$ 4,944.00
Thermoplastic Pavement Marking	309.	SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3	1.	EA	\$ 241.00	=	\$ 241.00		\$ 241.00
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	5520.	LF	\$ 35.00	=	\$ 193,200.00		\$ 193,200.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	14844.	LF	\$ 35.00	=	\$ 519,540.00		\$ 519,540.00
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	11022.	SY	\$ 72.00	=	\$ 793,584.00		\$ 793,584.00
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	56.	EA	\$ 1,390.00	=	\$ 77,840.00		\$ 77,840.00
Cross Pan, local (8" thick, 6' wide to include return)	500.	LF	\$ 73.00	=	\$ 36,500.00		\$ 36,500.00
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 at Fountain Valley**

**11.6.2023**

**CDR-22-015**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	689.	LF	\$ 76.00	=	\$ 52,364.00		\$ 52,364.00
24" Reinforced Concrete Pipe	456.	LF	\$ 91.00	=	\$ 41,496.00		\$ 41,496.00
30" Reinforced Concrete Pipe	544.	LF	\$ 114.00	=	\$ 62,016.00		\$ 62,016.00
36" Reinforced Concrete Pipe	1028.	LF	\$ 140.00	=	\$ 143,920.00		\$ 143,920.00
42" Reinforced Concrete Pipe	318.	LF	\$ 187.00	=	\$ 59,466.00		\$ 59,466.00
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>	1.	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Flared End Section (FES) CSP Size = 24" pipe <i>(unit cost = 6x pipe unit cost)</i>	1.	EA	\$ 4,000.00	=	\$ 4,000.00		\$ 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'	1.	EA	\$ 9,507.00	=	\$ 9,507.00		\$ 9,507.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	1.	EA	\$ 11,995.00	=	\$ 11,995.00		\$ 11,995.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	3.	EA	\$ 12,858.00	=	\$ 38,574.00		\$ 38,574.00
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'	7.	EA	\$ 14,109.00	=	\$ 98,763.00		\$ 98,763.00
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	17.	EA	\$ 7,734.00	=	\$ 131,478.00		\$ 131,478.00
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	1074.	Tons	\$ 97.00	=	\$ 104,178.00		\$ 104,178.00
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>	47.	LF	\$ 460.00	=	\$ 21,620.00		\$ 21,620.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
				<b>Section 2 Subtotal</b>	<b>= \$ 3,685,729.00</b>		<b>\$ 3,685,729.00</b>

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

**PROJECT INFORMATION**

<b>PEACEFUL RIDGE at Fountain Valley</b>	<b>11.6.2023</b>	<b>CDR-22-015</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
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>							
Storm Sewer Manhole, Slab Base	3	EA	\$ 7,734.00	=	\$ 23,202.00		\$ 23,202.00
24" Reinforced Concrete Pipe	21	LF	\$ 91.00	=	\$ 1,911.00		\$ 1,911.00
42" Reinforced Concrete Pipe	259	LF	\$ 187.00	=	\$ 48,433.00		\$ 48,433.00
48" Reinforced Concrete Pipe	798	LF	\$ 228.00	=	\$ 181,944.00		\$ 181,944.00
40" x 63" HERCP	56	LF	\$ 402.00	=	\$ 22,512.00		\$ 22,512.00
Drainage Channel Lining, Rip Rap	266	CY	\$ 135.00	=	\$ 35,910.00		\$ 35,910.00
Flared End Section (FES) RCP Size = 48"	1	EA	\$ 684.00	=	\$ 684.00		\$ 684.00
Drainage Channel Lining, Grass	1	AC	\$ 1,776.00	=	\$ 1,243.20		\$ 1,243.20
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	10682	LF	\$ 78.00	=	\$ 833,196.00		\$ 833,196.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -		\$ -
Gate Valves, 8"	70	EA	\$ 2,247.00	=	\$ 157,290.00		\$ 157,290.00
Fire Hydrant Assembly, w/ all valves	20	EA	\$ 7,978.00	=	\$ 159,560.00		\$ 159,560.00
Water Service Line Installation, inc. tap and valves	265	EA	\$ 1,601.00	=	\$ 424,265.00		\$ 424,265.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Water Main Pipe (PVC), Size 6"	239	LF	\$ 66.00	=	\$ 15,774.00		\$ 15,774.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	10432	LF	\$ 78.00	=	\$ 813,696.00		\$ 813,696.00
Sanitary Sewer Manhole, Depth < 15 feet	24	EA	\$ 5,305.00	=	\$ 127,320.00		\$ 127,320.00
Sanitary Service Line Installation, complete	265	EA	\$ 1,696.00	=	\$ 449,440.00		\$ 449,440.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sanitary Sewer Manhole, Depth > 15 feet	7	EA	\$ 8,500.00	=	\$ 59,500.00		\$ 59,500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>							
		LS		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 3,355,880.20</b>	<b>\$ 3,355,880.20</b>

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

<b>AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)</b>	LS	\$ 10,000.00	=	\$ 10,000.00	\$ 10,000.00
<b>POND/BMP CERTIFICATION (inc. elevations and volume calculations)</b>	LS	\$ 10,000.00	=	\$ 10,000.00	\$ 10,000.00

**Total Construction Financial Assurance \$ 7,532,667.33**

(Sum of all section subtotals plus as-builts and pond/BMP certification)

**Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 7,532,667.33**

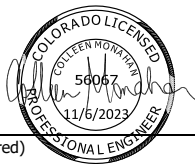
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

**Total Defect Warranty Financial Assurance \$ 778,945.80**

(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)

*[Signature]*

November 6th, 2023

Date

Approved by Owner / Applicant

**Approved**

By: **Gilbert LaForce, P.E.**  
Engineering Manager

Date: **11/08/2023 8:27:35 AM**

El Paso County Department of Public Works



Date