

Please include IP for all new inlets (approx. 10). Only 1 IP was accounted for with the EGP

Include costs associated with forebay, trickle channel, and maintenance access road construction not accounted for with the EGP

EPC STORMWATER REVIEW COMMENTS ARE SHOWN IN ORANGE BOXES WITH BLACK TEXT

Revise to CDR-2215.

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

Updated: 11/4/2021

PROJECT INFORMATION		
Peaceful Ridge at Fountain Valley Sub	5/23/2022	EGP-213
Project Name	Date	PCD File No.

Items covered by Early Grading Assurance

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL						
* Earthwork						
less than 1,000; \$5,300 min						\$ -
1,000-5,000; \$8,000 min						\$ -
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		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 886.00	= \$ -		\$ -
* Mulching		AC	\$ 831.00	= \$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 7.00	= \$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	= \$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA	\$ 104,000.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,625.00	= \$ -		\$ -
Silt Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Seeding		AC	\$ 695.00	= \$ -		\$ -
Temporary Mulch		AC	\$ 831.00	= \$ -		\$ -
Erosion Bales		EA	\$ 28.00	= \$ -		\$ -
Erosion Logs/Straw Wattles		LF	\$ 6.00	= \$ -		\$ -
Rock Check Dams	2	EA	\$ 554.00	= \$ 1,108.00		\$ 1,108.00
Inlet Protection		EA	\$ 185.00	= \$ -		\$ -
Sediment Basin		EA	\$ 1,952.00	= \$ -		\$ -
Concrete Washout Basin		EA	\$ 997.00	= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						
MAINTENANCE (35% of Construction BMPs)				= \$	387.80	\$ 387.80
Section 1 Subtotal				= \$	1,495.80	\$ 1,495.80

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$	-	\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$	-	\$ -
Aggregate Base Course (135 lbs/cf)	9,219	CY	\$ 56.00	= \$	516,243.26	\$ 516,243.26
Asphalt Pavement (3" thick)		SY	\$ 16.00	= \$	-	\$ -
Asphalt Pavement (4" thick)	41,484	SY	\$ 21.00	= \$	871,164.00	\$ 871,164.00
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	20	EA	\$ 333.00	= \$	6,660.00	\$ 6,660.00
Guide/Street Name Sign	16	EA	\$ 150.00	= \$	2,400.00	\$ 2,400.00
Epoxy Pavement Marking		SF	\$ 15.00	= \$	-	\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	= \$	-	\$ -
Barricade - Type 3		EA	\$ 221.00	= \$	-	\$ -
Delineator - Type I		EA	\$ 27.00	= \$	-	\$ -
Curb and Gutter, Type A (6" Vertical)	1,335	LF	\$ 32.00	= \$	42,720.00	\$ 42,720.00
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$	-	\$ -
Curb and Gutter, Type C (Ramp)	19,280	LF	\$ 32.00	= \$	616,960.00	\$ 616,960.00
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$	-	\$ -
5" Sidewalk	12,406	SY	\$ 66.00	= \$	818,796.00	\$ 818,796.00
6" Sidewalk		SY	\$ 80.00	= \$	-	\$ -
8" Sidewalk		SY	\$ 106.00	= \$	-	\$ -
Pedestrian Ramp	20	EA	\$ 1,273.00	= \$	25,460.00	\$ 25,460.00
Cross Pan, local (8" thick, 6' wide to include return)	924	LF	\$ 67.00	= \$	61,908.00	\$ 61,908.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	= \$	-	\$ -
Curb Chase		EA	\$ 1,639.00	= \$	-	\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 55.00	= \$	-	\$ -
Guardrail Type 7 (Concrete)		LF	\$ 80.00	= \$	-	\$ -
Guardrail End Anchorage		EA	\$ 2,324.00	= \$	-	\$ -
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	\$ 470,666.00	= \$	-	\$ -

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

Please include a line item for rock socks. Rock socks were not accounted for with the EGP

Include all earthwork for grading of roads and other additional infrastructure.

Include barricade shown on the CD's

PROJECT INFORMATION							
Peaceful Ridge at Fountain Valley Sub			5/23/2022		EGP-213		
Project Name			Date		PCD File No.		
Items covered by Early Grading Assurance							
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)		
					% Complete	Remaining	
<i>[insert items not listed but part of construction plans]</i>							
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		= \$ -		\$ -	*
18" Reinforced Concrete Pipe	1,733	LF	\$ 70.00	= \$ 121,310.00		\$ 121,310.00	*
24" Reinforced Concrete Pipe	747	LF	\$ 83.00	= \$ 62,001.00		\$ 62,001.00	*
30" Reinforced Concrete Pipe		LF	\$ 104.00	= \$ -		\$ -	*
36" Reinforced Concrete Pipe		LF	\$ 128.00	= \$ -		\$ -	*
42" Reinforced Concrete Pipe	257	LF		= \$ 3,947.00		\$ 43,947.00	*
48" Reinforced Concrete Pipe		LF		= \$ -		\$ -	*
54" Reinforced Concrete Pipe		LF		= \$ -		\$ -	*
60" Reinforced Concrete Pipe		LF		= \$ -		\$ -	*
66" Reinforced Concrete Pipe		LF		= \$ -		\$ -	*
72" Reinforced Concrete Pipe		LF	\$ 421.00	= \$ -		\$ -	*
30"x19" Horizontal Elliptical Reinforced Concrete Pipe	4	LF	\$ 97.00	= \$ 388.00		\$ 388.00	*
53"x34" Horizontal Elliptical Reinforced Concrete Pipe	79	LF	\$ 220.00	= \$ 17,380.00		\$ 17,380.00	*
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 = 36" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 768.00	= \$ 768.00		\$ 768.00	*
Flared End Section (FES) RCP Size = 42" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 1,026.00	= \$ 1,026.00		\$ 1,026.00	*
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		= \$ -		\$ -	*
End Treatment- Headwall		EA		= \$ -		\$ -	*
End Treatment- Wingwall		EA		= \$ -		\$ -	*
End Treatment - Cutoff Wall		EA		= \$ -		\$ -	*
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	= \$ -		\$ -	*
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	= \$ -		\$ -	*
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'	3	EA	\$ 11,775.00	= \$ 35,325.00		\$ 35,325.00	*
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'	5	EA	\$ 12,920.00	= \$ 64,600.00		\$ 64,600.00	*
Curb Inlet (Type R) L =25', 5' ≤ Depth < 10'	1	EA	\$ 13,950.00	= \$ 13,950.00		\$ 13,950.00	*
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	= \$ -		\$ -	*
Grated Inlet (Type D), Depth < 5'	1	EA	\$ 6,347.00	= \$ 6,347.00		\$ 6,347.00	*
Storm Sewer Manhole, Box Base	7	EA	\$ 12,876.00	= \$ 90,132.00		\$ 90,132.00	*
Storm Sewer Manhole, Slab Base	2	EA	\$ 7,082.00	= \$ 14,164.00		\$ 14,164.00	*
Geotextile (Erosion Control)		SY	\$ 7.00	= \$ -		\$ -	*
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00	= \$ -		\$ -	*
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	463	CY	\$ 124.00	= \$ 57,412.00		\$ 57,412.00	*
Drainage Channel Lining, Grass		AC	\$ 1,626.00	= \$ -		\$ -	*
Drainage Channel Lining, Other Stabilization				= \$ -		\$ -	*
Wingwalls and Apron	20	CY	\$ 650.00	= \$ 13,000.00		\$ 13,000.00	*
<i>[insert items not listed but part of construction plans]</i>							
*- Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
Section 2 Subtotal				= \$ 3,504,061.26		\$ 3,504,061.26	

Provide quantity per drainage report.

PROJECT INFORMATION							
Peaceful Ridge at Fountain Valley Sub			5/23/2022		EGP-213		
Project Name			Date		PCD File No.		
Items covered by Early Grading Assurance							
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"	10,673	LF	\$ 71.00	=	\$ 757,783.00		\$ 757,783.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"	94	EA	\$ 2,058.00	=	\$ 193,452.00		\$ 193,452.00
Fire Hydrant Assembly, w/ all valves	26	EA	\$ 7,306.00	=	\$ 189,956.00		\$ 189,956.00
Water Service Line Installation, inc. tap and valves	252	EA	\$ 1,466.00	=	\$ 369,432.00		\$ 369,432.00
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"	10,221	LF	\$ 71.00	=	\$ 725,682.48		\$ 725,682.48
Sanitary Sewer Manhole, Depth < 15 feet	32	EA	\$ 4,858.00	=	\$ 155,456.00		\$ 155,456.00
Sanitary Service Line Installation, complete	252	EA	\$ 1,553.00	=	\$ 391,356.00		\$ 391,356.00
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		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 2,783,117.48	\$ 2,783,117.48

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

Include retaining walls at/near pond

Provide unit costs for as-builts and pond certification.

PROJECT INFORMATION

Peaceful Ridge at Fountain Valley Sub		5/23/2022		3		
Project Name		Date		PCD File No.		
Items covered by Early Grading Assurance						
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 6,288,674.54
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,288,674.54
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 700,812.25
(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