

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

Updated: 5/3/2023

PROJECT INFORMATION		
The Villas at Claremont Ranch Final Plat	5/3/2023	SF-22-028
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	1,500	CY	\$ 6.00	=	\$ 9,000.00		\$ 9,000.00
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		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	\$ 35,000.00	=	\$ 35,000.00		\$ 35,000.00
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00
Inlet Protection	9	EA	\$ 202.00	=	\$ 1,818.00		\$ 1,818.00
Rock Check Dam	4	EA	\$ 605.00	=	\$ 2,420.00		\$ 2,420.00
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 2,132.00	=	\$ -		\$ -
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	2,175	LF	\$ 3.00	=	\$ 6,525.00		\$ 6,525.00
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	140	LF	\$ 7.00	=	\$ 980.00		\$ 980.00
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching	1,650	AC	\$ 1,666.00	=	\$ 2,748.90		\$ 2,748.90
Vehicle Tracking Control	1	EA	\$ 2,867.00	=	\$ 2,867.00		\$ 2,867.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ 6,075.62		\$ 6,075.62
MAINTENANCE (35% of Construction BMPs)				=	\$ 6,075.62		\$ 6,075.62
Section 1 Subtotal				=	\$ 68,523.52		\$ 68,523.52

* - 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 *							
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ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.0	LS	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	1,167.0	CY	\$ 61.00	=	\$ 71,187.00		\$ 71,187.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	6,932.0	SY	\$ 23.00	=	\$ 159,436.00		\$ 159,436.00
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) " thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	2.0	EA	\$ 364.00	=	\$ 728.00		\$ 728.00
Guide/Street Name Sign	7.0	EA	\$ 400.00	=	\$ 2,800.00		\$ 2,800.00
Epoxy Pavement Marking	249.0	SF	\$ 16.00	=	\$ 3,984.00		\$ 3,984.00
Thermoplastic Pavement Marking	937.0	SF	\$ 28.00	=	\$ 26,236.00		\$ 26,236.00
Barricade - Type 3		EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2,675.0	LF	\$ 35.00	=	\$ 93,625.00		\$ 93,625.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	2,133.0	LF	\$ 35.00	=	\$ 74,655.00		\$ 74,655.00
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	2,813.0	SY	\$ 72.00	=	\$ 202,536.00		\$ 202,536.00
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	13.0	EA	\$ 1,390.00	=	\$ 18,070.00		\$ 18,070.00
Cross Pan, local (8" thick, 6' wide to include return)	869.0	LF	\$ 73.00	=	\$ 63,437.00		\$ 63,437.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	=	\$ -		\$ -
Curb Opening with Drainage Chase	2.0	EA	\$ 1,790.00	=	\$ 3,580.00		\$ 3,580.00
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 =		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

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Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
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 = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
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	\$ 6,703.00	=	\$	-		\$ -	
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				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						Section 2 Subtotal	=	\$ 735,274.00	\$ 735,274.00

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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	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
Total Construction Financial Assurance						\$ 2,327,646.52
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,327,646.52
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 155,854.80
(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)

5/4/2023

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date