

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

Updated: 11/4/2021

PROJECT INFORMATION			
The Cottages at Mesa Ridge	2/2/2023	SF2214	
	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		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min	30,000	CY	\$ 3.50	=	\$ 105,000.00		\$ 105,000.00
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.)	3	AC	\$ 886.00	=	\$ 2,835.20		\$ 2,835.20
* Mulching	3	AC	\$ 831.00	=	\$ 2,659.20		\$ 2,659.20
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence	705	LF	\$ 3.00	=	\$ 2,115.00		\$ 2,115.00
Temporary Erosion Control Blanket	6,882	SY	\$ 3.00	=	\$ 20,646.00		\$ 20,646.00
Vehicle Tracking Control	1	EA	\$ 2,625.00	=	\$ 2,625.00		\$ 2,625.00
Silt Fence	2,950	LF	\$ 3.00	=	\$ 8,850.00		\$ 8,850.00
Temporary Seeding		AC	\$ 695.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 831.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 28.00	=	\$ -		\$ -
Erosion Logs/Straw Wattles	2,550	LF	\$ 6.00	=	\$ 15,300.00		\$ 15,300.00
Rock Check Dams		EA	\$ 554.00	=	\$ -		\$ -
Inlet Protection	3	EA	\$ 185.00	=	\$ 555.00		\$ 555.00
Sediment Basin	1	EA	\$ 1,952.00	=	\$ 1,952.00		\$ 1,952.00
Concrete Washout Basin	1	EA	\$ 997.00	=	\$ 997.00		\$ 997.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>					\$ 17,823.75		\$ 17,823.75
<b>Section 1 Subtotal</b>					<b>\$ 181,358.15</b>		<b>\$ 181,358.15</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 16.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 21.00	=	\$ -		\$ -
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		EA	\$ 333.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
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)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 32.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 66.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,273.00	=	\$ -		\$ -
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-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	=	\$ -		\$ -

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[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
12" Reinforced Concrete Pipe		LF	\$ 50.00	=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 70.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 83.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 128.00	=	\$ -		\$ -
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 = (unit cost = 6x pipe unit cost)		EA	\$ 420.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		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'		EA	\$ 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		EA	\$ 12,876.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	=	\$ -		\$ -
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		CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ -		\$ -

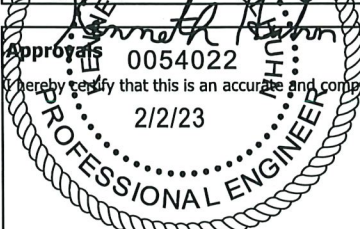
\* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION							
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		Date		PCD File No.			
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>							
Thermoplastic Pavement Marking	100	SF	\$ 26.00	=	\$ 2,600.00		\$ 2,600.00
Asphalt Pavement (6" thick)	9,291	SY	\$ 32.00	=	\$ 297,312.00		\$ 297,312.00
Concrete Pad/Pavement	743	SY	\$ 66.00	=	\$ 49,038.00		\$ 49,038.00
Emergency Access Road	3,104	SY	\$ 10.00	=	\$ 31,040.00		\$ 31,040.00
Cross Pan, local (8" thick, 6' wide to include return)	50	LF	\$ 67.00	=	\$ 3,350.00		\$ 3,350.00
2' Gutter Pan	1,331	LF	\$ 32.00	=	\$ 42,592.00		\$ 42,592.00
Curb and Gutter, Type B (6" Vertical)	4,357	LF	\$ 26.00	=	\$ 113,282.00		\$ 113,282.00
Curb and Gutter, Type A (6" Vertical)	185	LF	\$ 32.00	=	\$ 5,920.00		\$ 5,920.00
Pedestrian Ramp	27	EA	\$ 1,273.00	=	\$ 34,371.00		\$ 34,371.00
4" Sidewalk (common areas only)	1,920	SY	\$ 53.00	=	\$ 101,760.00		\$ 101,760.00
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
10" HDPP STORM PIPE	81	LF	\$ 50.00	=	\$ 4,050.00		\$ 4,050.00
12" HDPP STORM PIPE	312	LF	\$ 60.00	=	\$ 18,720.00		\$ 18,720.00
18" HDPP STORM PIPE	115	LF	\$ 70.00	=	\$ 8,050.00		\$ 8,050.00
18" RCP STORM PIPE	127	LF	\$ 70.00	=	\$ 8,890.00		\$ 8,890.00
24" RCP STORM PIPE	136	LF	\$ 83.00	=	\$ 11,288.00		\$ 11,288.00
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'	1	EA	\$ 12,876.00	=	\$ 12,876.00		\$ 12,876.00
Grated Inlet (Type C)	2	EA	\$ 5,138.00	=	\$ 10,276.00		\$ 10,276.00
Outlet Structure Modification	1	LS	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
66" RCP FMIC Extension	450	LF	\$ 368.00	=	\$ 165,600.00		\$ 165,600.00
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 4"	2,085	LF	\$ 60.00	=	\$ 125,100.00		\$ 125,100.00
Water Main Pipe (PVC), Size 8"	1,075	LF	\$ 71.00	=	\$ 76,325.00		\$ 76,325.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"	11	EA	\$ 2,058.00	=	\$ 22,638.00		\$ 22,638.00
Fire Hydrant Assembly, w/ all valves	4	EA	\$ 7,306.00	=	\$ 29,224.00		\$ 29,224.00
Water Service Line Installation, inc. tap and valves	62	EA	\$ 1,466.00	=	\$ 90,892.00		\$ 90,892.00
				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b> Finacial Assurance for sewer items provided to Fountain Sanitation District Separately							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,553.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
Deciduous/ Evergreen Trees	366	EA	\$ 450.00	=	\$ 164,700.00		\$ 164,700.00
Deciduous/ Evergreen Shrubs	702	EA	\$ 35.00	=	\$ 24,570.00		\$ 24,570.00
Perennials/ Grasses	1,169	EA	\$ 18.00	=	\$ 21,042.00		\$ 21,042.00
Sod/ Seed	180,625	EA	\$ 0.65	=	\$ 117,406.25		\$ 117,406.25
Rock/ Boulders	1	LS	\$ 60,000.00	=	\$ 60,000.00		\$ 60,000.00
Fencing	2,848	LF	\$ 25.00	=	\$ 71,200.00		\$ 71,200.00
Retaining Walls	8,080	SF	\$ 30.00	=	\$ 242,400.00		\$ 242,400.00
<b>Section 3 Subtotal</b>					<b>= \$ 1,988,287.25</b>		<b>\$ 1,988,287.25</b>

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

PROJECT INFORMATION		
The Cottages at Mesa Ridge	2/2/2023	SF2214
	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	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,000.00	=	\$ 1,000.00		\$ 1,000.00
Total Construction Financial Assurance						\$	2,172,645.40
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	2,172,645.40
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	22,098.88
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)							


 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) BMW [Signature]

Approved by Owner / Applicant \_\_\_\_\_ Date 2/7/23

Approved by El Paso County Engineer / ECM Administrator \_\_\_\_\_ Date \_\_\_\_\_