

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
[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		=	\$	-		\$ -
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]				=	\$	-		\$ -
[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								
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	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**								
ROADWAY IMPROVEMENTS								
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/Pavment	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	
STORM DRAIN IMPROVEMENTS (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	
WATER SYSTEM IMPROVEMENTS								
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	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
SANITARY SEWER IMPROVEMENTS 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]				=	\$ -		\$ -	
LANDSCAPING IMPROVEMENTS (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	
Section 3 Subtotal					=	\$ 1,988,287.25		\$ 1,988,287.25

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

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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]

Date 2/7/23

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Approved

By: Elizabeth Nijkamp, PE
 Date: 02/22/2023

El Paso County Department of Public Works