

PROJECT INFORMATION

**ADDED BOTH
PCD FILE
NUMBERS**

Falcon Ranchettes Piling No. 1a (Meridian Storage)	9/8/2022	PPR-23-XXX
Project Name	Date	PCD File No.

**This should just be
Meridian Storage**

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		CY	\$ 8.00	=	\$ -	\$ -
1,000-5,000; \$		CY	\$ 6.00	=	\$ -	\$ -
5,001-20,000; \$		CY	\$ 5.00	=	\$ -	\$ -
20,001-50,000; \$100,000 min	28,024	CY	\$ 3.50	=	\$ 100,000.00	\$ 100,000.00
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 mgmt.) & Mulching	1.8	AC	\$ 1,875.00	=	\$ 3,375.00	\$ 3,375.00
Permanent Pond/BMP (Itemized in Final Drainage Report)	1	EA	\$ 71,672.00	=	\$ 71,672.00	\$ 71,672.00
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	1	EA	\$ 605.00	=	\$ 605.00	\$ 605.00
Safety Fence	504	LF	\$ 3.00	=	\$ 1,512.00	\$ 1,512.00
Sediment Basin	1	EA	\$ 2,132.00	=	\$ 2,132.00	\$ 2,132.00
Sediment Trap			\$ 500.00	=	\$ -	\$ -
Silt Fence			\$ 3.00	=	\$ 1,956.00	\$ 1,956.00
Slope Drain			\$ 40.00	=	\$ 640.00	\$ 640.00
Straw Bale			\$ 31.00	=	\$ -	\$ -
Straw Wattle/Rock			\$ 7.00	=	\$ 7,140.00	\$ 7,140.00
Surface Roughening			\$ 250.00	=	\$ -	\$ -
Temporary Erosion			\$ 3.00	=	\$ -	\$ -
Temporary Seeding and Mulching	1.8	AC	\$ 1,666.00	=	\$ -	\$ 2,998.80
Vehicle Tracking Control	4	EA	\$ 2,867.00	=	\$ -	\$ 8,601.00
Curb Rock Sock	20	EA	\$ 50.00	=	\$ -	\$ 1,000.00
12" PVC Pipe		EA		=	\$ -	\$ -
6" PVC Pipe		EA		=	\$ -	\$ -
<i>[insert items not listed but part of construction plans]</i>						
MAINTENANCE (35% of Construction BMPs)						\$ 9,940.98
Section 1 Subtotal						\$ 214,479.78

**REVISED AS
REQUESTED**

**Need to account for the
RCD (4) in the estimate.**

**ADDED 2 FOR DRAINAGE SWALE,
AND NEW LINE ITEM FOR
REINFORCED, 4 FOR DRAINAGE
CHANNEL**

NOW SHOWING 2 VTC'S

**Note all public
improvements should
be listed on the FAE
that is part of the replat
VR239 that matches the
CDs. This FAE should
include the onsite GEC
and site specific
improvements and
stormwater**

SECTION 2 - PUBLIC IMPROVEMENTS *

Construction Traffic Control	1.0	LS	\$ 10,000.00	=	\$ -	\$ 10,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -	\$ -
Aggregate Base Course (135 lbs/cf)	1,555.0	CY	\$ 61.00	=	\$ 94,855.00	\$ 94,855.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -	\$ -
Asphalt Pavement (4" thick)	4,666.0	SY	\$ 23.00	=	\$ 107,318.00	\$ 107,318.00
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -	\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 100.00	=	\$ -	\$ -
Raised Median, Paved		SF		=	\$ -	\$ -
Regulatory Sign/Advisory Sign	3.0	EA	\$ 363.00	=	\$ 1,092.00	\$ 1,092.00
Guide/Street Name Sign	1.0	EA		=	\$ -	\$ -
Epoxy Pavement Marking		SF	\$ 16.00	=	\$ -	\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -	\$ -
Barricade - Type 3		EA	\$ 241.00	=	\$ -	\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -	\$ -
Curb and Gutter, Type A (6" Vertical)	1,948.0	LF	\$ 35.00	=	\$ 68,180.00	\$ 68,180.00
Curb and Gutter, Type B (Median)	303.0	LF	\$ 35.00	=	\$ 10,605.00	\$ 10,605.00
Curb and Gutter, Type C (Ramp)	15.0	LF	\$ 35.00	=	\$ 525.00	\$ 525.00
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -	\$ -
5" Sidewalk	1,108.0	SY	\$ 72.00	=	\$ 79,776.00	\$ 79,776.00
6" Sidewalk		SY	\$ 87.00	=	\$ -	\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -	\$ -
Pedestrian Ramp	14.0	EA	\$ 1,390.00	=	\$ 19,460.00	\$ 19,460.00
Cross Pan, local (8" thick, 6' wide to include return)	292.0	LF	\$ 73.00	=	\$ 21,316.00	\$ 21,316.00
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 =		LF	\$ 20.00	=	\$ -	\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -	\$ -
<i>[insert items not listed but part of construction plans]</i>						

**ACKNOWLEDGED. FAE MATCHES
VR AND PPR.**

PROJECT INFORMATION

Falcon Ranchettes Filing No. 1a (Meridian Storage)

9/8/2023

PPR-23-XXX

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	39	LF	\$ 76.00	=	\$ 2,964.00		\$ 2,964.00
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe	42	LF	\$ 140.00	=	\$ 5,880.00		\$ 5,880.00
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 = 30 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 684.00	=	\$ 684.00		\$ 684.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		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'	2	EA	\$ 8,715.00	=	\$ 17,430.00		\$ 17,430.00
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'		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	1	EA	\$ 14,061.00	=	\$ 14,061.00		\$ 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	50.0	Tons	\$ 115.00	=	\$ 5,750.00		\$ 5,750.00
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				=	\$ -		\$ -
Drainage Channel <i>(Itemized in Final Drainage Report)</i> <i>[insert items not listed but part of construction plans]</i>	1	LS	\$231,836.00	=	\$ 231,836.00		\$ 231,836.00
				=	\$ -		\$ -

PROJECT INFORMATION

Falcon Ranchettes Filing No. 1a (Meridian Storage)

9/8/2023

PPR-23-XXX

Project Name

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							
Asphalt Pavement (4" thick)	6,209	SY	\$ 23.00	=	\$ 142,807.00		\$ 142,807.00
Aggregate Base Course (135 lbs/cf)	2,069	CY	\$ 61.00	=	\$ 126,209.00		\$ 126,209.00
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
18" Reinforced Concrete Pipe	296	LF	\$ 76.00	=	\$ 22,486.88		\$ 22,486.88
24" Reinforced Concrete Pipe	126	LF	\$ 91.00	=	\$ 11,466.00		\$ 11,466.00
30" Reinforced Concrete Pipe	811	LF	\$ 114.00	=	\$ 92,454.00		\$ 92,454.00
36" Reinforced Concrete Pipe	49	LF	\$ 140.00	=	\$ 6,841.80		\$ 6,841.80
Area Inlet (CDOT Type 13-Triple)	2	EA	\$ 14,105.00	=	\$ 28,210.00		\$ 28,210.00
2'x2' Nyloplast Drain Basin (Or Similar)	1	EA	\$ 4,500.00	=	\$ 4,500.00		\$ 4,500.00
Storm Sewer Manhole, Box Base	2	EA	\$ 14,061.00	=	\$ 28,122.00		\$ 28,122.00
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	794	LF	\$ 78.00	=	\$ 61,932.00		\$ 61,932.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -		\$ -
Gate Valves, 8"	5	EA	\$ 2,247.00	=	\$ 11,235.00		\$ 11,235.00
Fire Hydrant Assembly, w/ all valves	2	EA	\$ 7,978.00	=	\$ 15,956.00		\$ 15,956.00
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves	128	LF	\$ 75.00	=	\$ 9,600.00		\$ 9,600.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sanitary Service Line Installation, inc. tap and cleanouts	516	LF	\$ 55.00	=	\$ 28,380.00		\$ 28,380.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
Landscaping Improvements	1	LS	\$ 45,000.00	=	\$ 45,000.00		\$ 45,000.00
		EA		=	\$ -		\$ -
** - Section 3 is not subject to defect warranty requirements					Section 3 Subtotal	=	\$ 492,392.68
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 12,500.00	=	\$ 12,500.00		\$ 12,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 4,500.00	=	\$ 4,500.00		\$ 4,500.00
Total Construction Financial Assurance						\$ 1,553,694.46	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,553,694.46	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 200,973.80	
(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)

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date