

2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION

Meridian Storage	5/6/2024	VR239 & PPR2336
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		CY	\$ 6.00	=	\$ -	\$ -	*	
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -	\$ -	*	
20,001-50,000; \$100,000 min	28227.	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	\$ 9.00	=	\$ -	\$ -	*	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.8	AC	\$ 2,018.00	=	\$ 3,632.40	\$ 3,632.40	*	
Permanent Pond/BMP (Itemized in Final Drainage Report)	1.	EA	\$ 89,465.00	=	\$ 89,465.00	\$ 89,465.00	*	
Concrete Washout Basin	2.	EA	\$ 1,172.00	=	\$ 2,344.00	\$ 2,344.00	*	
Inlet Protection	9.	EA	\$ 217.00	=	\$ 1,953.00	\$ 1,953.00	*	
Rock Check Dam	2.	EA	\$ 651.00	=	\$ 1,302.00	\$ 1,302.00	*	
Safety Fence	1950.	LF	\$ 3.00	=	\$ 5,850.00	\$ 5,850.00	*	
Sediment Basin	1.	EA	\$ 2,294.00	=	\$ 2,294.00	\$ 2,294.00	*	
Sediment Trap		EA	\$ 538.00	=	\$ -	\$ -	*	
Silt Fence	590.	LF	\$ 3.00	=	\$ 1,770.00	\$ 1,770.00	*	
Slope Drain	32.	LF	\$ 43.00	=	\$ 1,376.00	\$ 1,376.00	*	
Straw Bale		EA	\$ 33.00	=	\$ -	\$ -	*	
Straw Wattle/Rock Sock	200.	LF	\$ 8.00	=	\$ 1,600.00	\$ 1,600.00	*	
Surface Roughening		AC	\$ 269.00	=	\$ -	\$ -	*	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -	\$ -	*	
Temporary Seeding and Mulching	1.8	AC	\$ 1,793.00	=	\$ 3,227.40	\$ 3,227.40	*	
Vehicle Tracking Control	2.	EA	\$ 3,085.00	=	\$ 6,170.00	\$ 6,170.00	*	
Curb Rock Sock	18	EA	\$ 55.00	=	\$ 990.00	\$ 990.00	*	
SR4 Detention Pond (Itemized in Final Drainage Report)	1	LS	\$ 17,935.00	=	\$ 17,935.00	\$ 17,935.00	*	
Reinforced Check Dam	4	EA	\$ 1,300.00	=	\$ 5,200.00	\$ 5,200.00	*	
Culvert Inlet Protection	1	EA	\$ 400.00	=	\$ 400.00	\$ 400.00	*	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -	\$ -	*	
MAINTENANCE (35% of Construction BMPs)					=	\$ 17,523.59	\$ 17,523.59	*
Section 1 Subtotal					=	\$ 263,032.39	\$ 263,032.39	*
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control	1	LS	\$ 10,000.00	=	\$ 10,000.00	\$ 10,000.00	*	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -	\$ -	*	
Aggregate Base Course (135 lbs/cf)	1555	CY	\$ 66.00	=	\$ 102,630.00	\$ 102,630.00	*	
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -	\$ -	*	
Asphalt Pavement (4" thick)	4666	SY	\$ 25.00	=	\$ 116,650.00	\$ 116,650.00	*	
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -	\$ -	*	
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 114.00	=	\$ -	\$ -	*	
Raised Median, Paved		SF	\$ 11.00	=	\$ -	\$ -	*	
Regulatory Sign/Advisory Sign	3	EA	\$ 392.00	=	\$ 1,176.00	\$ 1,176.00	*	
Guide/Street Name Sign	2	EA	\$ 392.00	=	\$ 784.00	\$ 784.00	*	
Epoxy Pavement Marking		SF	\$ 17.00	=	\$ -	\$ -	*	
Thermoplastic Pavement Marking		SF	\$ 30.00	=	\$ -	\$ -	*	
Barricade - Type 3		EA	\$ 259.00	=	\$ -	\$ -	*	
Delineator - Type I		EA	\$ 31.00	=	\$ -	\$ -	*	
Curb and Gutter, Type A (6" Vertical)	1984	LF	\$ 38.00	=	\$ 75,392.00	\$ 75,392.00	*	
Curb and Gutter, Type B (Median)	303	LF	\$ 38.00	=	\$ 11,514.00	\$ 11,514.00	*	
Curb and Gutter, Type C (Ramp)	15	LF	\$ 38.00	=	\$ 570.00	\$ 570.00	*	
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -	\$ -	*	
5" Sidewalk	1108	SY	\$ 77.00	=	\$ 85,316.00	\$ 85,316.00	*	
6" Sidewalk		SY	\$ 94.00	=	\$ -	\$ -	*	
8" Sidewalk		SY	\$ 125.00	=	\$ -	\$ -	*	
Pedestrian Ramp	10	EA	\$ 1,496.00	=	\$ 14,960.00	\$ 14,960.00	*	
Cross Pan, local (8" thick, 6' wide to include return)	202	LF	\$ 79.00	=	\$ 15,958.00	\$ 15,958.00	*	
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	=	\$ -	\$ -	*	
Curb Opening with Drainage Chase		EA	\$ 1,926.00	=	\$ -	\$ -	*	
Guardrail Type 3 (W-Beam)	60.	LF	\$ 65.00	=	\$ 3,900.00	\$ 3,900.00	*	
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -	\$ -	*	
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -	\$ -	*	
Guardrail Impact Attenuator		EA	\$ 4,902.00	=	\$ -	\$ -	*	
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	=	\$ -	\$ -	*	
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	=	\$ -	\$ -	*	
Electrical Conduit, Size =		LF	\$ 22.00	=	\$ -	\$ -	*	
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -	\$ -	*	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -	\$ -	*	

PROJECT INFORMATION

Meridian Storage

5/6/2024

VR239 & PPR2336

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		LF	\$ 82.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe	42	LF	\$ 151.00	=	\$ 6,342.00		\$ 6,342.00
42" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
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	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 9,377.00	=	\$ 18,754.00		\$ 18,754.00
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,925.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	2	EA	\$ 10,230.00	=	\$ 20,460.00		\$ 20,460.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 12,907.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 13,835.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 13,755.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 15,130.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	1	EA	\$ 8,322.00	=	\$ 8,322.00		\$ 8,322.00
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
15" Reinforced Concrete Pipe	43	LF	\$ 55.00	=	\$ 2,365.00		\$ 2,365.00
Drainage Channel (Itemized in Final Drainage Report)	1	LS	\$256,836.00	=	\$ 256,836.00		\$ 256,836.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 751,929.00	\$ 751,929.00

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

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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							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
15" Reinforced Concrete Pipe	40	LF	\$ 70.00	=	\$ 2,800.00		\$ 2,800.00
18" Reinforced Concrete Pipe	1,150	LF	\$ 82.00	=	\$ 94,300.00		\$ 94,300.00
24" Reinforced Concrete Pipe	126	LF	\$ 98.00	=	\$ 12,348.00		\$ 12,348.00
36" Reinforced Concrete Pipe	46	LF	\$ 151.00	=	\$ 6,946.00		\$ 6,946.00
Area Inlet (CDOT Type 13-Triple)	2	EA	\$ 15,130.00		\$ 30,260.00		\$ 30,260.00
Area Inlet (CDOT Type C)	1	EA	\$ 6,037.00		\$ 6,037.00		\$ 6,037.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 8,322.00	=	\$ 8,322.00		\$ 8,322.00
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	794	LF	\$ 84.00	=	\$ 66,696.00		\$ 66,696.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -
Gate Valves, 8"	5	EA	\$ 2,418.00	=	\$ 12,090.00		\$ 12,090.00
Fire Hydrant Assembly, w/ all valves	2	EA	\$ 8,584.00	=	\$ 17,168.00		\$ 17,168.00
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	=	\$ -		\$ -
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	\$ 84.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sanitary Service Line Installation, inc. tap and cleanouts	137	LF	\$ 55.00	=	\$ 7,535.00		\$ 7,535.00
Sewer Main Pipe (PVC), Size 12"	560	LF	\$ 92.00		\$ 51,520.00		\$ 51,520.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
Landscaping and Irrigation	1.	EA	\$ 60,000.00	=	\$ 60,000.00		\$ 60,000.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ 385,622.00		\$ 385,622.00

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

Please remove from FAE

Removed landscaping from FAE

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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)			\$ 13,500.00	=	\$	13,500.00	\$	13,500.00	
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 5,500.00	=	\$	5,500.00	\$	5,500.00	
Total Construction Financial Assurance							\$ 1,419,583.39		
(Sum of all section subtotals plus as-builts and pond/BMP certification)									
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)							\$ 1,419,583.39		
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)									
Total Defect Warranty Financial Assurance							\$ 189,005.28		
(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)

Mike Texer

05/15/2024

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date