

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

Updated: 08/15/2023

PROJECT INFORMATION		
Mayberry Filing No.2A	9/29/2023	SF####
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	5,000	CY	\$ 6.00	=	\$ 30,000.00		\$ 30,000.00
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	474	SY	\$ 8.00	=	\$ 3,792.00		\$ 3,792.00
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	3	AC	\$ 1,875.00	=	\$ 5,625.00		\$ 5,625.00
Permanent Pond/BMP (provide engineer's estimate)	0	EA		=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00
Inlet Protection Provide Q for - shown on GEC	0	EA	\$ 202.00	=	\$ -		\$ -
Rock Check Dam	1	EA	\$ 605.00	=	\$ 605.00		\$ 605.00
Safety Fence	0	LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin	0	EA	\$ 2,132.00	=	\$ -		\$ -
Sediment Trap	0	EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	0	LF	\$ 3.00	=	\$ -		\$ -
Slope Drain	0	LF	\$ 40.00	=	\$ -		\$ -
Straw Bale	0	EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	870	LF	\$ 7.00	=	\$ 6,090.00		\$ 6,090.00
Surface Roughening	3	AC	\$ 250.00	=	\$ 750.00		\$ 750.00
Temporary Erosion Control Blanket	474	SY	\$ 3.00	=	\$ 1,422.00		\$ 1,422.00
Temporary Seeding and Mulching	3	AC	\$ 1,666.00	=	\$ 4,998.00		\$ 4,998.00
Vehicle Tracking Control See GEC Plan comments	0	EA	\$ 2,867.00	=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 4,852.75		\$ 4,852.75
Section 1 Subtotal					\$ 59,223.75		\$ 59,223.75

* - 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 *

ROADWAY IMPROVEMENTS							
Construction Traffic Control	0	LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	0	Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	213	CY	\$ 61.00	=	\$ 12,993.00		\$ 12,993.00
Asphalt Pavement (3" thick)	0	SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	638	SY	\$ 23.00	=	\$ 14,674.00		\$ 14,674.00
Asphalt Pavement (6" thick)	0	SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 4" thick	141	Tons	\$ 106.00	=	\$ 14,946.00		\$ 14,946.00
Raised Median, Paved	0	SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	0	EA	\$ 364.00	=	\$ -		\$ -
Guide/Street Name Sign	0	EA	\$ 364.00	=	\$ -		\$ -
Epoxy Pavement Marking	0	SF	\$ 16.00	=	\$ -		\$ -
Thermoplastic Pavement Marking	0	SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3	0	EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I	0	EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	277	LF	\$ 35.00	=	\$ 9,695.00		\$ 9,695.00
Curb and Gutter, Type B (Median)	0	LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	0	LF	\$ 35.00	=	\$ -		\$ -
4" Sidewalk (common areas only)	0	SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	475	SY	\$ 72.00	=	\$ 34,200.00		\$ 34,200.00
6" Sidewalk	0	SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk	0	SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	2	EA	\$ 1,390.00	=	\$ 2,780.00		\$ 2,780.00
Cross Pan, local (8" thick, 6' wide to include return)	0	LF	\$ 73.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	0	LF	\$ 111.00	=	\$ -		\$ -
Curb Opening with Drainage Chase	1	EA	\$ 1,790.00	=	\$ 1,790.00		\$ 1,790.00
Guardrail Type 3 (W-Beam)	0	LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)	0	LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage	0	EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator	0	EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)	0	LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)	0	LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =	0	LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)	0	EA		=	\$ -		\$ -

PROJECT INFORMATION

Mayberry Filing No.2A

9/29/2023

SF####

Project Name

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)	0	LF		= \$ -		\$ -
18" Reinforced Concrete Pipe	0	LF	\$ 76.00	= \$ -		\$ -
24" Reinforced Concrete Pipe	0	LF	\$ 91.00	= \$ -		\$ -
30" Reinforced Concrete Pipe	0			= \$ -		\$ -
36" Reinforced Concrete Pipe	0			= \$ -		\$ -
45" Reinforced Concrete Pipe	0			= \$ -		\$ -
48" Reinforced Concrete Pipe	0			= \$ -		\$ -
54" Reinforced Concrete Pipe	0			= \$ -		\$ -
60" Reinforced Concrete Pipe	0			= \$ -		\$ -
66" Reinforced Concrete Pipe	0			= \$ -		\$ -
72" Reinforced Concrete Pipe	0			= \$ -		\$ -
18" Corrugated Steel Pipe	0	LF	\$ 98.00	= \$ -		\$ -
24" Corrugated Steel Pipe	0	LF	\$ 112.00	= \$ -		\$ -
30" Corrugated Steel Pipe	0	LF	\$ 143.00	= \$ -		\$ -
36" Corrugated Steel Pipe	0	LF	\$ 171.00	= \$ -		\$ -
42" Corrugated Steel Pipe	0	LF	\$ 197.00	= \$ -		\$ -
48" Corrugated Steel Pipe	0	LF	\$ 207.00	= \$ -		\$ -
54" Corrugated Steel Pipe	0	LF	\$ 304.00	= \$ -		\$ -
60" Corrugated Steel Pipe	0	LF	\$ 328.00	= \$ -		\$ -
66" Corrugated Steel Pipe	0	LF	\$ 397.00	= \$ -		\$ -
72" Corrugated Steel Pipe	0	LF	\$ 467.00	= \$ -		\$ -
78" Corrugated Steel Pipe	0	LF	\$ 537.00	= \$ -		\$ -
84" Corrugated Steel Pipe	0	LF	\$ 642.00	= \$ -		\$ -
Flared End Section (FES) RCP Size = 24" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 546.00	= \$ 546.00		\$ 546.00
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'	0	EA	\$ 6,703.00	= \$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	0	EA	\$ 8,715.00	= \$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'	0	EA	\$ 10,092.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	0	EA	\$ 9,224.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	0	EA	\$ 9,507.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'	0	EA	\$ 11,901.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	0	EA	\$ 11,995.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	0	EA	\$ 12,858.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	0	EA	\$ 14,061.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'	0	EA	\$ 12,783.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	0	EA	\$ 14,109.00	= \$ -		\$ -
Grated Inlet (Type C), Depth < 5'	0	EA	\$ 5,611.00	= \$ -		\$ -
Grated Inlet (Type D), Depth < 5'	0	EA	\$ 6,931.00	= \$ -		\$ -
Storm Sewer Manhole, Box Base	0	EA	\$ 14,061.00	= \$ -		\$ -
Storm Sewer Manhole, Slab Base	0	EA	\$ 7,734.00	= \$ -		\$ -
Geotextile (Erosion Control)	0	SY	\$ 8.00	= \$ -		\$ -
Rip Rap, d50 size from 6" to 24"	0	Tons	\$ 97.00	= \$ -		\$ -
Rip Rap, Grouted	0.0	Tons	\$ 115.00	= \$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	= \$ -		\$ -
Drainage Channel Lining, Concrete	0	CY	\$ 689.00	= \$ -		\$ -
Drainage Channel Lining, Rip Rap	0	CY	\$ 135.00	= \$ -		\$ -
Drainage Channel Lining, Grass	0	AC	\$ 1,776.00	= \$ 390.72		\$ 390.72
Drainage Channel Lining, Other Stabilization	0			= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
Section 2 Subtotal				= \$ 92,014.72		\$ 92,014.72

Update FAE to include RCP, riprap, and inlets that are listed in the drainage letter.

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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)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	0	LF	\$ 78.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"	0	LF	\$ 91.00	=	\$ -		\$ -
Gate Valves, 8"	0	EA	\$ 2,247.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves	0	EA	\$ 7,978.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves	0	EA	\$ 1,601.00	=	\$ -		\$ -
Fire Cistern Installation, complete	0	EA		=	\$ -		\$ -
Water Main Pipe (PVC), Size 12"	0	LF	\$ 97.00	=	\$ -		\$ -
12"x8" Tee	0	EA	\$ 2,900.00	=	\$ -		\$ -
12"x6" Tee	0	EA	\$ 2,500.00	=	\$ -		\$ -
12"x8" Reducer	0	EA	\$ 2,900.00	=	\$ -		\$ -
Gate Valves, 12"	0	EA	\$ 2,600.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	0	LF	\$ 78.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet	0	EA	\$ 5,305.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete	0	EA	\$ 1,696.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete	0	EA		=	\$ -		\$ -
Sanitary Cleanout	0	EA	\$ 250.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ -	\$ -

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

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Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -		\$ -
Total Construction Financial Assurance						\$	154,238.47
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	154,238.47
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	26,286.34
(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.

Timothy Stackhouse, PE



Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

