

Please use the 2023 version:
<https://planningdevelopment.elpasoco.com/planning-development-forms/#1584029763943-19bc4c03-3586>

Seems low. Please be sure to use the higher value of cut and fill volumes, not net volume.

EPC STORMWATER REVIEW COMMENTS
 IN ORANGE BOXES WITH BLACK TEXT

Provide total of all earthwork quantities

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

Updated: 1/20/2023

PROJECT INFORMATION			
Mayberry Filing No. 4	4/5/2023		SF2317
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	1,055	CY	\$ 6.00	= \$ 8,000.00		\$ 8,000.00	
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 Seeding (inc. noxious weed mgmnt.)	9	AC	\$ 886.00	= \$ 7,974.00		\$ 7,974.00	
* Mulching	9	AC	\$ 831.00	= \$ 7,479.00		\$ 7,479.00	
* Permanent Erosion Control Blanket	5,102	SY	\$ 7.00	= \$ 35,714.00		\$ 35,714.00	
* Permanent Pond/BMP Construction	0	CY	\$ 22.00	= \$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)	0	EA		= \$ -		\$ -	
		EA		= \$ -		\$ -	
Safety Fence	3,018	LF	\$ 3.00	= \$ 9,054.00		\$ 9,054.00	
Temporary Erosion Control Blanket	5,102	SY	\$ 3.00	= \$ 15,306.00		\$ 15,306.00	
Vehicle Tracking Control	1	EA	\$ 2,625.00	= \$ 2,625.00		\$ 2,625.00	
Silt Fence	0	LF	\$ 3.00	= \$ -		\$ -	
Temporary Seeding	9	AC	\$ 695.00	= \$ 6,255.00		\$ 6,255.00	
Temporary Mulch	9	AC	\$ 831.00	= \$ 7,479.00		\$ 7,479.00	
Erosion Bales	0	EA	\$ 28.00	= \$ -		\$ -	
Curb Socks	8	LF	\$ 5.00	= \$ 40.00		\$ 40.00	
Erosion Logs/Straw Wattles	0	LF	\$ 6.00	= \$ -		\$ -	
Rock Check Dams	3	EA	\$ 554.00	= \$ 1,662.00		\$ 1,662.00	
Inlet Protection	4	EA	\$ 185.00	= \$ 740.00		\$ 740.00	
Sediment Basin	0	EA	\$ 1,952.00	= \$ -		\$ -	
Concrete Washout Basin	1	EA	\$ 997.00	= \$ 997.00		\$ 997.00	
[insert items not listed but part of construction plans]				= \$ -		\$ -	

see comment on GEC

MAINTENANCE (35% of Construction BMPs)				= \$ 12,286.40		\$ 12,286.40
Section 1 Subtotal				= \$ 115,611.40		\$ 115,611.40

SECTION 2 - PUBLIC IMPROVEMENTS *

Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	1,300	CY	\$ 56.00	= \$ 72,800.00		\$ 72,800.00
Asphalt Pavement (3" thick)	0	SY	\$ 16.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	3,901	SY	\$ 21.00	= \$ 81,921.00		\$ 81,921.00
Asphalt Pavement (6" thick)	0	SY	\$ 32.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) 4" thick	860	Tons	\$ 97.00	= \$ 83,420.00		\$ 83,420.00
Raised Median, Paved	0	SF	\$ 9.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	2	EA	\$ 333.00	= \$ 666.00		\$ 666.00
Guide/Street Name Sign	0	EA		= \$ -		\$ -
Epoxy Pavement Marking	0	SF	\$ 15.00	= \$ -		\$ -
Thermoplastic Pavement Marking	0	SF	\$ 26.00	= \$ -		\$ -
Barricade - Type 3	0	EA	\$ 221.00	= \$ -		\$ -
Delineator - Type I	0	EA	\$ 27.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,864	LF	\$ 32.00	= \$ 59,657.60		\$ 59,657.60
Curb and Gutter, Type B (Median)	0	LF	\$ 32.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	0	LF	\$ 32.00	= \$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$ -		\$ -
5" Sidewalk	1,414	SY	\$ 66.00	= \$ 93,303.54		\$ 93,303.54
6" Sidewalk	0	SY	\$ 80.00	= \$ -		\$ -
8" Sidewalk	0	SY	\$ 106.00	= \$ -		\$ -
Pedestrian Ramp	2	EA	\$ 1,273.00	= \$ 2,546.00		\$ 2,546.00
Cross Pan, local (8" thick, 6' wide to include return)	0	LF	\$ 67.00	= \$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	0	LF	\$ 102.00	= \$ -		\$ -
Curb Chase	0	EA	\$ 1,639.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)	0	LF	\$ 55.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)	0	LF	\$ 80.00	= \$ -		\$ -
Guardrail End Anchorage	0	EA	\$ 2,324.00	= \$ -		\$ -
Guardrail Impact Attenuator	0	EA	\$ 4,172.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)	0	LF	\$ 87.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)	0	LF	\$ 89.00	= \$ -		\$ -
Electrical Conduit, Size =	0	LF	\$ 18.00	= \$ -		\$ -

is this duplicative?

Add north-south 6' sidewalk/trail quantity

Check/provide highlighted values

PROJECT INFORMATION

Mayberry Filing No. 4

4/5/2023

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Traffic Signal, complete intersection	0	EA	\$ 470,666	=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	0	LF	\$ 70.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe	52	LF	\$ 83.00	=	\$ 4,316.00		\$ 4,316.00
30" Reinforced Concrete Pipe	482	LF	\$ 104.00	=	\$ 50,128.00		\$ 50,128.00
36" Reinforced Concrete Pipe	0	LF	\$ 128.00	=	\$ -		\$ -
45" Reinforced Concrete Pipe	203	LF	\$ 171.00	=	\$ 34,713.00		\$ 34,713.00
48" Reinforced Concrete Pipe	0	LF	\$ 209.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe	0	LF	\$ 272.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe	116	LF	\$ 319.00	=	\$ 37,004.00		\$ 37,004.00
66" Reinforced Concrete Pipe	0	LF	\$ 368.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe	0	LF	\$ 421.00	=	\$ -		\$ -
18" Corrugated Steel Pipe	0	LF	\$ 90.00	=	\$ -		\$ -
24" Corrugated Steel Pipe	0	LF	\$ 103.00	=	\$ -		\$ -
30" Corrugated Steel Pipe	0	LF	\$ 131.00	=	\$ -		\$ -
36" Corrugated Steel Pipe	0	LF	\$ 157.00	=	\$ -		\$ -
42" Corrugated Steel Pipe	0	LF	\$ 180.00	=	\$ -		\$ -
48" Corrugated Steel Pipe	0	LF	\$ 190.00	=	\$ -		\$ -
54" Corrugated Steel Pipe	0	LF	\$ 278.00	=	\$ -		\$ -
60" Corrugated Steel Pipe	0	LF	\$ 300.00	=	\$ -		\$ -
66" Corrugated Steel Pipe	0	LF	\$ 364.00	=	\$ -		\$ -
72" Corrugated Steel Pipe	0	LF	\$ 428.00	=	\$ -		\$ -
78" Corrugated Steel Pipe	0	LF	\$ 492.00	=	\$ -		\$ -
84" Corrugated Steel Pipe	0	LF	\$ 588.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 24" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 495.00	=	\$ 495.00		\$ 495.00
Flared End Section (FES) CSP Size = 60" <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 1,788.00	=	\$ 3,576.00		\$ 3,576.00
End Treatment- Headwall	0	EA		=	\$ -		\$ -
End Treatment- Wingwall	0	EA		=	\$ -		\$ -
End Treatment - Cutoff Wall	0	EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	0	EA	\$ 6,138.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	0	EA	\$ 7,981.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'	0	EA	\$ 9,242.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	2	EA	\$ 8,447.00	=	\$ 16,894.00		\$ 16,894.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	0	EA	\$ 8,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'	0	EA	\$ 10,898.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'	2	EA	\$ 10,984.00	=	\$ 21,968.00		\$ 21,968.00
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	0	EA	\$ 11,775.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'	0	EA	\$ 12,876.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'	0	EA	\$ 11,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'	0	EA	\$ 12,920.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'	0	EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'	0	EA	\$ 6,347.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	1	EA	\$ 12,876.00	=	\$ 12,876.00		\$ 12,876.00
Storm Sewer Manhole, Slab Base	0	EA	\$ 7,082.00	=	\$ -		\$ -
Geotextile (Erosion Control)	0	SY	\$ 7.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	15	Tons	\$ 89.00	=	\$ 1,335.00		\$ 1,335.00
Rip Rap, Grouted	0	Tons	\$ 105.00	=	\$ -		\$ -
Drainage Channel Construction, Size (34 W x 3 H)	282	LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete	0	CY	\$ 631.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	0	CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass	0	AC	\$ 1,626.00	=	\$ 357.72		\$ 357.72
Drainage Channel Lining, Other Stabilization	0			=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -

Add costs. Does this include sod?

PROJECT INFORMATION		
Mayberry Filing No. 4	4/5/2023	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)		
					% Complete	Remaining	
Section 2 Subtotal				= \$	577,976.86	\$	577,976.86

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**

				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
STORM DRAIN IMPROVEMENTS		(Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	1,249	LF	\$ 71.00	=	\$	88,701.72	\$	88,701.72
Water Main Pipe (Ductile Iron), Size 8"	29	LF	\$ 83.00	=	\$	2,365.50	\$	2,365.50
Gate Valves, 8"	7	EA	\$ 2,058.00	=	\$	14,406.00	\$	14,406.00
Fire Hydrant Assembly, w/ all valves	2	EA	\$ 7,306.00	=	\$	14,612.00	\$	14,612.00
Water Service Line Installation, inc. tap and valves	8	EA	\$ 1,466.00	=	\$	11,728.00	\$	11,728.00
Fire Cistern Installation, complete		EA		=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	754	LF	\$ 71.00	=	\$	53,548.20	\$	53,548.20
Sanitary Sewer Manhole, Depth < 15 feet	3	EA	\$ 4,858.00	=	\$	14,574.00	\$	14,574.00
Sanitary Service Line Installation, complete	8	EA	\$ 1,553.00	=	\$	12,424.00	\$	12,424.00
Sanitary Sewer Lift Station, complete	0	EA		=	\$	-	\$	-
				=	\$	-	\$	-
				=	\$	-	\$	-
LANDSCAPING IMPROVEMENTS		(For subdivision specific condition of approval, or PUD)						
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-
		EA		=	\$	-	\$	-

[insert items not listed but part of construction plans]

Please ensure that this includes all necessary facilities, including off-site extensions

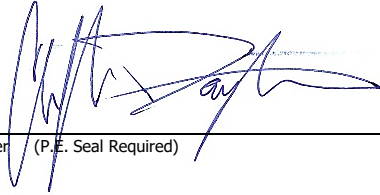
PROJECT INFORMATION

Mayberry Filing No. 4	4/5/2023	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
** - Section 3 is not subject to defect warranty requirements						Section 3 Subtotal	=	\$ 212,359.42
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	\$ 908,947.68	
						(Sum of all section subtotals plus as-builts and pond/BMP certification)		
						Total Remaining Construction Financial Assurance (with Pre-Plat Construction)	\$ 908,947.68	
						(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)		
						Total Defect Warranty Financial Assurance	\$ 127,428.77	
						(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

