

Use latest 2024 form:



Value inputted for "Permanent Pond/BMP (provide engineer's estimate)" should match the total value shown in the Engineer's Cost Estimate for the PBMP in the FDR. Currently the FDR does not breakdown the values that contribute to this \$170k, so I can't verify that all pond components are included.

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

Updated: 1/8/2022

JR Response: Submitting 2024 now

JR Response: Provided separate cost estimates for the drainage infrastructure items as well and the pond items. Coordinated values with the FAE.

Description	Quantity							
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>								
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	13,237	CY	\$ 5.00	=	\$ 66,185.00		\$ 66,185.00	
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	738.0	SY	\$ 8.00	=	\$ 5,904.00		\$ 5,904.00	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	34.5	AC	\$ 1,875.00	=	\$ 64,687.50		\$ 64,687.50	
Permanent Pond/BMP	1	EA	\$ 170,000.00	=	\$ 170,000.00		\$ 170,000.00	
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00	
Inlet Protection	6	EA	\$ 202.00	=	\$ 1,212.00		\$ 1,212.00	
Rock Check Dam	21	EA	\$ 605.00	=	\$ 12,705.00		\$ 12,705.00	
Safety Fence	2,936	LF	\$ 3.00	=	\$ 8,808.00		\$ 8,808.00	
Sediment Basin	4	EA	\$ 2,132.00	=	\$ 8,528.00		\$ 8,528.00	
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -	
Silt Fence	3,290	LF	\$ 3.00	=	\$ 9,870.00		\$ 9,870.00	
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -	
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -	
Straw Wattle/Rock Sock		LF	\$ 7.00	=	\$ -		\$ -	
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -		\$ -	
Vehicle Tracking Control	1	EA	\$ 2,867.00	=	\$ 2,867.00		\$ 2,867.00	
Outlet Protection	1	EA	\$ 202.00	=	\$ 202.00		\$ 202.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 15,467.20		\$ 15,467.20
<b>Section 1 Subtotal</b>					=	<b>\$ 367,524.70</b>		<b>\$ 367,524.70</b>

FAE will be approved with the Plat SF2325.

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control	1.0	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	553.0	CY	\$ 61.00	=	\$ 33,733.00		\$ 33,733.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	3,315.0	SY	\$ 23.00	=	\$ 76,245.00		\$ 76,245.00
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	1.0	EA	\$ 364.00	=	\$ 364.00		\$ 364.00
Guide/Street Name Sign	2.0	EA	\$ 364.00	=	\$ 728.00		\$ 728.00
Epoxy Pavement Marking	2,430.0	SF	\$ 16.00	=	\$ 38,880.00		\$ 38,880.00
Thermoplastic Pavement Marking	70.0	SF	\$ 28.00	=	\$ 1,960.00		\$ 1,960.00
Barricade - Type 3		EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,348.0	LF	\$ 35.00	=	\$ 47,180.00		\$ 47,180.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	1,030.0	SY	\$ 72.00	=	\$ 74,160.00		\$ 74,160.00
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	4.0	EA	\$ 1,390.00	=	\$ 5,560.00		\$ 5,560.00
Cross Pan, local (8" thick, 6' wide to include return)	137.0	LF	\$ 73.00	=	\$ 10,001.00		\$ 10,001.00
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		=	\$ -		\$ -



PROJECT INFORMATION			
STERLING RECYCLING FACILITY	2/13/2024		
Project Name	Date	PCD File No.	SF2325

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Asphalt Pavement (4" thick)	9,122.0	SY	\$ 23.00		\$ 209,806.00		\$ 209,806.00 *
Aggregate Base Course (135 lbs/cf)	1,520.0	CY	\$ 61.00		\$ 92,720.00		\$ 92,720.00 *
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>							
18" Reinforced Concrete Pipe	18	LF	\$ 76.00	=	\$ 1,368.00		\$ 1,368.00
24" Reinforced Concrete Pipe	240	LF	\$ 91.00	=	\$ 21,840.00		\$ 21,840.00
30" Reinforced Concrete Pipe	46	LF	\$ 114.00	=	\$ 5,244.00		\$ 5,244.00
36" Reinforced Concrete Pipe	21	LF	\$ 140.00	=	\$ 2,940.00		\$ 2,940.00 *
48" Reinforced Concrete Pipe	45	LF	\$ 228.00	=	\$ 10,260.00		\$ 10,260.00
54" Corrugated Steel Pipe	40	LF	\$ 304.00	=	\$ 12,160.00		\$ 12,160.00 *
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost) 52"	1	EA	\$ 1,824.00		\$ 1,824.00		\$ 1,824.00
Grated Inlet (Type C), Depth < 5'	1	EA	\$ 5,611.00	=	\$ 5,611.00		\$ 5,611.00
Grated Inlet (Type D), Depth < 5'	2	EA	\$ 6,931.00	=	\$ 13,862.00		\$ 13,862.00 *
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	2,402	LF	\$ 78.00	=	\$ 187,356.00		\$ 187,356.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -		\$ -
Gate Valves, 8"	10	EA	\$ 2,247.00	=	\$ 22,470.00		\$ 22,470.00
Fire Hydrant Assembly, w/ all valves	1	EA	\$ 7,978.00	=	\$ 7,978.00		\$ 7,978.00
Water Service Line Installation, inc. tap and valves	1	EA	\$ 1,601.00	=	\$ 1,601.00		\$ 1,601.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet	7	EA	\$ 5,305.00	=	\$ 37,135.00		\$ 37,135.00
Sanitary Service Line Installation, complete	1	EA	\$ 1,696.00	=	\$ 1,696.00		\$ 1,696.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sewer Main Pipe (PVC), Size 10"	2,704	LF	\$ 98.00	=	\$ 264,992.00		\$ 264,992.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>							
Fence	2,360	EA	\$ 5.00	=	\$ 11,801.95		\$ 11,801.95
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 912,664.95</b>	<b>\$ 912,664.95</b>

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

**PROJECT INFORMATION**

**STERLING RECYCLING FACILITY**

**2/13/2024**

**Project Name**

**Date**

**PCD File No. SF2325**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 6,000.00	=	\$ 6,000.00		\$ 6,000.00
<b>Total Construction Financial Assurance</b>						<b>\$</b>	<b>1,585,000.65</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$</b>	<b>1,585,000.65</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
<b>Total Defect Warranty Financial Assurance</b>						<b>\$</b>	<b>120,117.50</b>
(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.

Stamp and sign

**JR Response: Stamped and signed**

Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Date

Date