

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

Updated: 10/2023

PROJECT INFORMATION			
STERLING RECYCLING FACILITY	5/3/2024		SF2325
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	13,237	CY	\$	5.00	=	\$	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	\$	9.00	=	\$	6,642.00						
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	34.5	AC	\$	2,018.00	=	\$	69,621.00						
Permanent Pond/BMP (provide engineer's estimate)	1.	EA	\$	174,077.00	=	\$	174,077.00						
Concrete Washout Basin	1.	EA	\$	1,172.00	=	\$	1,172.00						
Inlet Protection	6.	EA	\$	217.00	=	\$	1,302.00						
Rock Check Dam	21.	EA	\$	651.00	=	\$	13,671.00						
Safety Fence	2936.	LF	\$	3.00	=	\$	8,808.00						
Sediment Basin	4.	EA	\$	2,294.00	=	\$	9,176.00						
Sediment Trap		EA	\$	538.00	=	\$	-						
Silt Fence	3290.	LF	\$	3.00	=	\$	9,870.00						
Slope Drain		LF	\$	43.00	=	\$	-						
Straw Bale		EA	\$	33.00	=	\$	-						
Straw Wattle/Rock Sock		LF	\$	8.00	=	\$	-						
Surface Roughening		AC	\$	269.00	=	\$	-						
Temporary Erosion Control Blanket		SY	\$	3.00	=	\$	-						
Temporary Seeding and Mulching		AC	\$	1,793.00	=	\$	-						
Vehicle Tracking Control	1.	EA	\$	3,085.00	=	\$	3,085.00						
Outlet Protection	1.	EA	\$	202.00	=	\$	202.00						
<i>[insert items not listed but part of construction plans]</i>													
							MAINTENANCE (35% of Construction BMPs)	=	\$	16,139.90		\$	16,139.90
							Section 1 Subtotal	=	\$	379,950.90		\$	379,950.90
SECTION 2 - PUBLIC IMPROVEMENTS *													
ROADWAY IMPROVEMENTS													
Construction Traffic Control	1.	LS	\$	5,000.00	=	\$	5,000.00		\$	5,000.00		\$	5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$	37.00	=	\$	-		\$	-		\$	-
Aggregate Base Course (135 lbs/cf)	553.	CY	\$	66.00	=	\$	36,498.00		\$	36,498.00		\$	36,498.00
Asphalt Pavement (3" thick)		SY	\$	18.00	=	\$	-		\$	-		\$	-
Asphalt Pavement (4" thick)	3315.	SY	\$	25.00	=	\$	82,875.00		\$	82,875.00		\$	82,875.00
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	1.	EA	\$	392.00	=	\$	392.00		\$	392.00		\$	392.00
Guide/Street Name Sign	2.	EA	\$	392.00	=	\$	784.00		\$	784.00		\$	784.00
Epoxy Pavement Marking	2430.	SF	\$	17.00	=	\$	41,310.00		\$	41,310.00		\$	41,310.00
Thermoplastic Pavement Marking	70.	SF	\$	30.00	=	\$	2,100.00		\$	2,100.00		\$	2,100.00
Barricade - Type 3		EA	\$	259.00	=	\$	-		\$	-		\$	-
Delineator - Type I		EA	\$	31.00	=	\$	-		\$	-		\$	-
Curb and Gutter, Type A (6" Vertical)	1348.	LF	\$	38.00	=	\$	51,224.00		\$	51,224.00		\$	51,224.00
Curb and Gutter, Type B (Median)		LF	\$	38.00	=	\$	-		\$	-		\$	-
Curb and Gutter, Type C (Ramp)		LF	\$	38.00	=	\$	-		\$	-		\$	-
4" Sidewalk (common areas only)		SY	\$	62.00	=	\$	-		\$	-		\$	-
5" Sidewalk		SY	\$	77.00	=	\$	-		\$	-		\$	-
6" Sidewalk		SY	\$	94.00	=	\$	-		\$	-		\$	-
8" Sidewalk		SY	\$	125.00	=	\$	-		\$	-		\$	-
Pedestrian Ramp	4.	EA	\$	1,496.00	=	\$	5,984.00		\$	5,984.00		\$	5,984.00
Cross Pan, local (8" thick, 6' wide to include return)	137.	LF	\$	79.00	=	\$	10,823.00		\$	10,823.00		\$	10,823.00
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)		LF	\$	65.00	=	\$	-		\$	-		\$	-
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	\$	-	=	\$	-		\$	-		\$	-

PROJECT INFORMATION

STERLING RECYCLING FACILITY	5/3/2024	SF2325
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)		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		LF	\$ 151.00	=	\$ -		\$ -
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 = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
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'		EA	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 9,377.00	=	\$ -		\$ -
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'		EA	\$ 10,230.00	=	\$ -		\$ -
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		EA	\$ 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				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 236,990.00		\$ 236,990.00

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

PROJECT INFORMATION									
STERLING RECYCLING FACILITY			5/3/2024				SF2325		
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)	9,122.0	SY	\$	25.00	=	\$ 228,050.00		\$ 228,050.00	
Aggregate Base Course (135 lbs/cf)	1,520.0	CY	\$	66.00	=	\$ 100,320.00		\$ 100,320.00	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)									
18" Reinforced Concrete Pipe	18	LF	\$	82.00	=	\$ 1,476.00		\$ 1,476.00	
24" Reinforced Concrete Pipe	253	LF	\$	98.00	=	\$ 24,794.00		\$ 24,794.00	
36" Reinforced Concrete Pipe	21	LF	\$	151.00	=	\$ 3,171.00		\$ 3,171.00	
48" Reinforced Concrete Pipe	52	LF	\$	245.00	=	\$ 12,740.00		\$ 12,740.00	
54" Corrugated Steel Pipe	48	LF	\$	320.00	=	\$ 15,360.00		\$ 15,360.00	
Flared End Section (FES) RCP Size = 24" (unit cost = 6x pipe unit cost)	2	EA	\$	588.00	=	\$ 1,176.00		\$ 1,176.00	
Flared End Section (FES) RCP Size = 54" (unit cost = 6x pipe unit cost)	1	EA	\$	1,920.00	=	\$ 1,920.00		\$ 1,920.00	
Grated Inlet (Type C), Depth < 5'	1	EA	\$	6,037.00	=	\$ 6,037.00		\$ 6,037.00	
Grated Inlet (Type D), Depth < 5'	2	EA	\$	7,458.00	=	\$ 14,916.00		\$ 14,916.00	
Storm Sewer Manhole, Box Base	1.	EA	\$	15,130.00	=	\$ 15,130.00		\$ 15,130.00	
WATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC), Size 8"	2402.	LF	\$	84.00	=	\$ 201,768.00		\$ 201,768.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	98.00	=	\$ -		\$ -	
Gate Valves, 8"	10.	EA	\$	2,418.00	=	\$ 24,180.00		\$ 24,180.00	
Fire Hydrant Assembly, w/ all valves	1.	EA	\$	8,584.00	=	\$ 8,584.00		\$ 8,584.00	
Water Service Line Installation, inc. tap and valves	1.	EA	\$	1,723.00	=	\$ 1,723.00		\$ 1,723.00	
Fire Cistern Installation, complete		EA			=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
<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	7.	EA	\$	5,708.00	=	\$ 39,956.00		\$ 39,956.00	
Sanitary Service Line Installation, complete	1.	EA	\$	1,825.00	=	\$ 1,825.00		\$ 1,825.00	
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>									
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)									
Fence	2,360	EA	\$	5.00	=	\$ 11,801.95		\$ 11,801.95	
		EA			=	\$ -		\$ -	
		EA			=	\$ -		\$ -	
		EA			=	\$ -		\$ -	
		EA			=	\$ -		\$ -	
				Section 3 Subtotal	=	\$ 979,919.95		\$ 979,919.95	

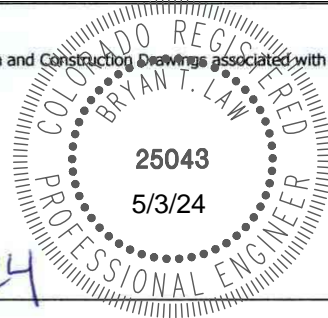
** - Section 3 is not subject to defect warranty requirements

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)			\$ 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
Total Construction Financial Assurance					\$	1,607,860.85
<small>(Sum of all section subtotals plus as-builts and pond/BMP certification)</small>						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	1,607,860.85
<small>(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)</small>						
Total Defect Warranty Financial Assurance					\$	110,703.00
<small>(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)</small>						

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.

Bryant Law



Engineer (P.E. Seal Required)

Crotowaro

Approved by Owner / Applicant

May 3, 2024

Date

Approved by El Paso County Engineer / ECM Administrator

Date