

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

Updated: 03/01/24

PROJECT INFORMATION		
Saddlehorn Filing 3	3/1/2024	SF-23-004
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<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		CY	\$ 5.00	=	\$ -		\$ -	
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min	139190.	CY	\$ 2.50	=	\$ 347,975.00		\$ 347,975.00	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
Permanent Erosion Control Blanket	11656.	SY	\$ 9.00	=	\$ 104,904.00		\$ 104,904.00	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	25.59	AC	\$ 2,018.00	=	\$ 51,640.62		\$ 51,640.62	
Permanent Pond/BMP (provide engineer's estimate)	See Below	EA		=	\$ -		\$ -	
Pond C Detention Outlet Structure	1.	EA	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00	
Pond C Detention Emergency Spillway	1.	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00	
Pond C Concrete/Riprap Forebay	1.	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00	
Pond C Concrete Trickle Channel	55.	CY	\$ 95.00	=	\$ 5,225.00		\$ 5,225.00	
Pond D Detention Outlet Structure	1.	EA	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00	
Pond D Detention Emergency Spillway	1.	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00	
Pond D Concrete/Riprap Forebay	1.	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00	
Pond D Concrete Trickle Channel	65.	CY	\$ 95.00	=	\$ 6,175.00		\$ 6,175.00	
Pond E Detention Outlet Structure	1.	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00	
Pond E Detention Emergency Spillway	1.	EA	\$ 4,000.00	=	\$ 4,000.00		\$ 4,000.00	
Pond E Concrete/Riprap Forebay	1.	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00	
Pond E Concrete Trickle Channel	10.	CY	\$ 95.00	=	\$ 950.00		\$ 950.00	
Drianageway riprap, d50 size from 6" to 24"	3000.	Tons	\$ 83.00	=	\$ 249,000.00		\$ 249,000.00	
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$ 1,172.00		\$ 1,172.00	
Inlet Protection	19.	EA	\$ 217.00	=	\$ 4,123.00		\$ 4,123.00	
Outlet Protection	19.	EA	\$ 217.00	=	\$ 4,123.00		\$ 4,123.00	
Rock Check Dam	107.	EA	\$ 651.00	=	\$ 69,657.00		\$ 69,657.00	
Safety Fence	11061.	LF	\$ 3.00	=	\$ 33,183.00		\$ 33,183.00	
Sediment Basin	3.	EA	\$ 2,294.00	=	\$ 6,882.00		\$ 6,882.00	
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -	
Silt Fence	22874.	LF	\$ 3.00	=	\$ 68,622.00		\$ 68,622.00	
Slope Drain	157.	LF	\$ 43.00	=	\$ 6,751.00		\$ 6,751.00	
Straw Bale		EA	\$ 33.00	=	\$ -		\$ -	
Straw Wattle/Rock Sock	112.	LF	\$ 8.00	=	\$ 896.00		\$ 896.00	
Surface Roughening		AC	\$ 269.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding and Mulching		AC	\$ 1,793.00	=	\$ -		\$ -	
Vehicle Tracking Control	4.	EA	\$ 3,085.00	=	\$ 12,340.00		\$ 12,340.00	
*Gravel Maintenance Access Road	3486.	SY	\$ 50.00	=	\$ 174,300.00		\$ 174,300.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 133,306.95		\$ 133,306.95
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)								
<b>Section 1 Subtotal</b>					=	\$ 1,344,225.57		\$ 1,344,225.57

## SECTION 2 - PUBLIC IMPROVEMENTS \*

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 50,000.00	=	\$ 50,000.00		\$ 50,000.00
Removal of Asphalt (Full Depth)	515.	SY	\$ 10.00	=	\$ 5,150.00		\$ 5,150.00
Removal of Asphalt (Planing-2")	2524.	SY	\$ 5.00	=	\$ 12,620.00		\$ 12,620.00
Removal of Striping	7096.74	LF	\$ 1.00	=	\$ 7,096.74		\$ 7,096.74
Removal of Fencing	3020.	LF	\$ 5.00	=	\$ 15,100.00		\$ 15,100.00
Aggregate Base Course (133 lbs/cf) 4" thick	12595.	Tons	\$ 37.00	=	\$ 466,015.00		\$ 466,015.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (115 lb/cy-in) 3-5" thick	14852.	Tons	\$ 114.00	=	\$ 1,693,128.00		\$ 1,693,128.00
Raised Median, Paved		SF	\$ 11.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	32.	EA	\$ 392.00	=	\$ 12,544.00		\$ 12,544.00
Guide/Street Name Sign	26.	EA	\$ 250.00	=	\$ 6,500.00		\$ 6,500.00
Epoxy Pavement Marking	8228.	SF	\$ 17.00	=	\$ 139,876.00		\$ 139,876.00
Thermoplastic Pavement Marking	209.	SF	\$ 30.00	=	\$ 6,270.00		\$ 6,270.00
Barricade - Type 3	6.	EA	\$ 259.00	=	\$ 1,554.00		\$ 1,554.00
Delineator - Type I		EA	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 38.00	=	\$ -		\$ -
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	=	\$ -		\$ -

PROJECT INFORMATION

Saddlehorn Filling 3	3/1/2024	SF-23-004
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,496.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$ -		\$ -
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		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	328.	LF	\$ 82.00	=	\$ 26,896.00		\$ 26,896.00
24" Reinforced Concrete Pipe	127.	LF	\$ 98.00	=	\$ 12,446.00		\$ 12,446.00
30" Reinforced Concrete Pipe	81.	LF	\$ 123.00	=	\$ 9,963.00		\$ 9,963.00
36" Reinforced Concrete Pipe	30.	LF	\$ 151.00	=	\$ 4,530.00		\$ 4,530.00
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	=	\$ -		\$ -
14" x 23" HERCP	23.56	LF	\$ 155.16	=	\$ 3,655.57		\$ 3,655.57
19" x 30" HERCP	186.06	LF	\$ 185.60	=	\$ 34,532.74		\$ 34,532.74
24" x 38" HERCP	43.81	LF	\$ 222.02	=	\$ 9,726.70		\$ 9,726.70
12' x 4' RCBC	156.	LF	\$ 1,100.00	=	\$ 171,600.00		\$ 171,600.00
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$ -		\$ -
24" Corrugated Steel Pipe	7.	LF	\$ 121.00	=	\$ 847.00		\$ 847.00
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 = 18" RCP (unit cost = 6x pipe unit cost)	13.	EA	\$ 402.00	=	\$ 5,226.00		\$ 5,226.00
Flared End Section (FES) CSP Size = 24" RCP (unit cost = 6x pipe unit cost)	6.	EA	\$ 486.00	=	\$ 2,916.00		\$ 2,916.00
Flared End Section (FES) CSP Size = 30" RCP (unit cost = 6x pipe unit cost)	3.	EA	\$ 600.00	=	\$ 1,800.00		\$ 1,800.00
Flared End Section (FES) CSP Size = 36" RCP (unit cost = 6x pipe unit cost)	1.	EA	\$ 840.00	=	\$ 840.00		\$ 840.00
Flared End Section (FES) CSP Size = 14" X 23" HERCP (unit cost = 6x pipe unit cost)	2.	EA	\$ 930.96	=	\$ 1,861.92		\$ 1,861.92
Flared End Section (FES) CSP Size = 19" X 30" HERCP (unit cost = 6x pipe unit cost)	4.	EA	\$ 1,113.60	=	\$ 4,454.40		\$ 4,454.40
Flared End Section (FES) CSP Size = 24" X 38" HERCP (unit cost = 6x pipe unit cost)	2.	EA	\$ 1,332.12	=	\$ 2,664.24		\$ 2,664.24
End Treatment- Headwall	1.	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
End Treatment- Wingwall	1.	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
End Treatment - Cutoff Wall	12.	CY	\$ 560.00	=	\$ 6,720.00		\$ 6,720.00
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"	558.	Tons	\$ 104.00	=	\$ 58,032.00		\$ 58,032.00
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -

please round off so that totals are correct

verify per FDR comments

PROJECT INFORMATION		
Saddlehorn Filing 3	3/1/2024	SF-23-004
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
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, Turf Reinforcement Mat (TRM)	207.	SY	\$ 50.00	=	\$ 10,350.00		\$ 10,350.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
<b>Section 2 Subtotal</b>					=	\$ 2,804,915.30	\$ 2,804,915.30

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

ROADWAY IMPROVEMENTS							
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	10232.	LF	\$ 84.00	=	\$ 859,488.00		\$ 859,488.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 6"	349.6	LF	\$ 94.59	=	\$ 33,068.66		\$ 33,068.66
Gate Valves, 8"	35.	EA	\$ 2,418.00	=	\$ 84,630.00		\$ 84,630.00
Fire Hydrant Assembly, w/ all valves	24.	EA	\$ 8,584.00	=	\$ 206,016.00		\$ 206,016.00
Water Service Line Installation, inc. tap and valves	40.	EA	\$ 1,723.00	=	\$ 68,920.00		\$ 68,920.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
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		=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					=	\$ 1,252,122.66	\$ 1,252,122.66

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

LETTERS OF MAP REVISION	LS	\$ 8,000.00	=	\$ 8,000.00	\$ 8,000.00
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)	LS	\$ 10,000.00	=	\$ 10,000.00	\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)	LS	\$ 10,000.00	=	\$ 10,000.00	\$ 10,000.00

**Total Construction Financial Assurance** \$ 5,429,263.53

(Sum of all section subtotals plus as-builts and pond/BMP certification)

**Total Remaining Construction Financial Assurance (with Pre-Plat Construction)** \$ 5,421,263.53


(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

**Total Defect Warranty Financial Assurance** \$ 661,886.98

(20% of all items identified as (\*). To be collateralized at time of preliminary acceptance)

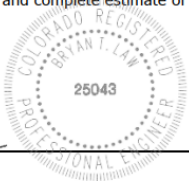
**Approvals**

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)

Signature needs to be through seal



Nathan Steele

Approved by Owner / Applicant

March 8, 2024

Date

Approved by El Paso County Engineer / ECM Administrator

Date