

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

SF-23-004

Updated: 12/8/2022

PROJECT INFORMATION		
Saddlehorn Filing 3	2/9/2023	EGP-22-004
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		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min	147,182	CY	\$ 2.50	= \$ 367,955.00		\$ 367,955.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
Permanent Erosion Control Blanket	11,656.00	SY	\$ 8.00	= \$ 93,248.00		\$ 93,248.00
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	26.00	AC	\$ 1,875.00	= \$ 48,750.00		\$ 48,750.00
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 398,297	= \$ 398,297.00		\$ 398,297.00
Concrete Washout Basin	1	EA	\$ 1,089.00	= \$ 1,089.00		\$ 1,089.00
Inlet Protection	19	EA	\$ 202.00	= \$ 3,838.00		\$ 3,838.00
Outlet Protection	19	EA	\$ 202.00	= \$ 3,838.00		\$ 3,838.00
Rock Check Dam	107	EA	\$ 605.00	= \$ 64,735.00		\$ 64,735.00
Safety Fence	11,960	LF	\$ 3.00	= \$ 35,880.00		\$ 35,880.00
Sediment Basin	3	EA	\$ 2,132.00	= \$ 6,396.00		\$ 6,396.00
Sediment Trap		EA	\$ 500.00	= \$ -		\$ -
Silt Fence	22,874	LF	\$ 3.00	= \$ 68,622.00		\$ 68,622.00
Slope Drain		LF	\$ 40.00	= \$ -		\$ -
Straw Bale		EA	\$ 31.00	= \$ -		\$ -
Straw Wattle/Rock Sock	1,640	LF	\$ 7.00	= \$ 11,480.00		\$ 11,480.00
Surface Roughening		AC	\$ 250.00	= \$ -		\$ -
Temporary Erosion Control Blanket	62,284	SY	\$ 3.00	= \$ 186,852.00		\$ 186,852.00
Temporary Seeding and Mulching		AC	\$ 1,666.00	= \$ -		\$ -
Vehicle Tracking Control	4	EA	\$ 2,867.00	= \$ 11,468.00		\$ 11,468.00
*Gravel Maintenance Access Road	3,486	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)				=	\$ 198,593.15	\$ 198,593.15
Section 1 Subtotal				=	\$ 1,675,341.15	\$ 1,675,341.15

* - 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	1.0	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")	2,354	SY	\$ 5.00	= \$ 11,770.00		\$ 11,770.00
Removal of Striping	3,117	LF	\$ 1.00	= \$ 3,117.00		\$ 3,117.00
Removal of Fencing	3,021	LF	\$ 5.00	= \$ 15,105.00		\$ 15,105.00
Aggregate Base Course (135 lbs/cf)	2,086.0	Tons	\$ 34.00	= \$ 70,924.00		\$ 70,924.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 35.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) 7" thick	23,267.0	Tons	\$ 106.00	= \$ 2,466,302.00		\$ 2,466,302.00
Raised Median, Paved		SF	\$ 10.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	22.0	EA	\$ 364.00	= \$ 8,008.00		\$ 8,008.00
Guide/Street Name Sign	22	EA	\$ 250.00	= \$ 5,500.00		\$ 5,500.00
Epoxy Pavement Marking	9,005	SF	\$ 16.00	= \$ 144,080.00		\$ 144,080.00
Thermoplastic Pavement Marking	93	SF	\$ 28.00	= \$ 2,604.00		\$ 2,604.00
Barricade - Type 3	3.0	EA	\$ 241.00	= \$ 723.00		\$ 723.00
Delineator - Type I		EA	\$ 29.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 35.00	= \$ -		\$ -
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		SY	\$ 72.00	= \$ -		\$ -
6" Sidewalk		SY	\$ 87.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 116.00	= \$ -		\$ -
Pedestrian Ramp		EA	\$ 1,390.00	= \$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	= \$ -		\$ -
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		= \$ -		\$ -

provide detail

Value Seems low

add speed limit signs on entry roads

Quantity seems low

PROJECT INFORMATION

Saddlehorn Filing 3
Project Name

2/9/2023
Date

EGP-22-004
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	443	LF	\$ 76.00	=	\$	33,668.00		\$ 33,668.00	
24" Reinforced Concrete Pipe	226	LF	\$ 91.00	=	\$	20,566.00		\$ 20,566.00	
30" Reinforced Concrete Pipe	99	LF	\$ 114.00	=	\$	11,286.00		\$ 11,286.00	
36" Reinforced Concrete Pipe	38	LF	\$ 140.00	=	\$	5,320.00		\$ 5,320.00	
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$	-		\$ -	
19" x 30" CMP	224	LF	\$ 100.00	=	\$	22,400.00		\$ 22,400.00	
12' x 4' RCP	160	LF	\$ 1,100.00	=	\$	176,000.00		\$ 176,000.00	
18" Corrugated Steel Pipe	215	LF	\$ 98.00	=	\$	21,070.00		\$ 21,070.00	
24" Corrugated Steel Pipe	515	LF	\$ 112.00	=	\$	57,680.00		\$ 57,680.00	
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = 18" RCP <small>(unit cost = 6x pipe unit cost)</small>	16	EA	\$ 402.00	=	\$	6,432.00		\$ 6,432.00	
Flared End Section (FES) CSP Size = 24" RCP <small>(unit cost = 6x pipe unit cost)</small>	10	EA	\$ 486.00	=	\$	4,860.00		\$ 4,860.00	
Flared End Section (FES) CSP Size = 30" RCP <small>(unit cost = 6x pipe unit cost)</small>	5	EA	\$ 600.00	=	\$	3,000.00		\$ 3,000.00	
Flared End Section (FES) CSP Size = 19" X 30" HERC <small>(unit cost = 6x pipe unit cost)</small>	4	EA	\$ 100.00	=	\$	400.00		\$ 400.00	
End Treatment- Headwall	2	EA	\$ 10,000.00	=	\$	20,000.00		\$ 20,000.00	
End Treatment- Wingwall		EA		=	\$	-		\$ -	
End Treatment - Cutoff Wall		EA		=	\$	-		\$ -	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,224.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 11,995.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 12,783.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00	=	\$	-		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$	-		\$ -	
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"	1,402.0	Tons	\$ 97.00	=	\$	135,994.00		\$ 135,994.00	
Rip Rap, Grouted		Tons	\$ 115.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$	-		\$ -	
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$	-		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
				Section 2 Subtotal	=	\$ 3,301,959.00		\$ 3,301,959.00	

Did not see anywhere that 18" CMP was used

Quantity seems high (only extended ex. culvert at Curtis)

Did not see headwalls on CD's. Verify if any were used

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

PROJECT INFORMATION			
Saddlehorn Filing 3	2/9/2023	EGP-22-004	
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 6"	313	LF	\$ 64.00	= \$	20,032.00	\$ 20,032.00
Water Main Pipe (PVC), Size 8"	10,279	LF	\$ 78.00	= \$	801,762.00	\$ 801,762.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	= \$	-	\$ -
Gate Valves, 8"	35	EA	\$ 2,247.00	= \$	78,645.00	\$ 78,645.00
Fire Hydrant Assembly, w/ all valves	24	EA	\$ 7,978.00	= \$	191,472.00	\$ 191,472.00
Water Service Line Installation, inc. tap and valves	44	EA	\$ 1,601.00	= \$	70,444.00	\$ 70,444.00
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	\$ 78.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
<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				= \$	1,162,355.00	\$ 1,162,355.00

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

Include line item for LOMR

PROJECT INFORMATION		
Saddlehorn Filing 3	2/9/2023	EGP-22-004
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 6,139,655.15
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,139,655.15
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 842,041.80
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Fill in costs for As-builts and Pond/BMP Certification.

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

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date