

Provide
highlighted items

SF-19-018

Updated: 6/7/2019

2019 Financial Assurance Estimate Form (with pre-plat construction)

PROJECT INFORMATION		
Branding Iron at Sterling Ranch Filing No. 2	2/7/2020	SF-19-004
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		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 800.00	= \$ -		\$ -
* Mulching		AC	\$ 750.00	= \$ -		\$ -
* Permanent Erosion Control Blanket (SC250)	10,350	SY	\$ 6.00	= \$ 62,100.00		\$ 62,100.00
* Permanent Pond/BMP Construction		CY	\$ 20.00	= \$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA	\$ 2,500.00	= \$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 6,500.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket (SC150)	49,760	SY	\$ 3.00	= \$ 149,280.00		\$ 149,280.00
Vehicle Tracking Control		EA	\$ 2,370.00	= \$ 2,370.00		\$ 2,370.00
Silt Fence	2,474	LF	\$ 2.50	= \$ 6,185.00		\$ 6,185.00
Temporary Seeding	1.64	AC	\$ 628.00	= \$ 1,029.92		\$ 1,029.92
Temporary Mulch		AC	\$ 750.00	= \$ -		\$ -
Erosion Bales	21	EA	\$ 25.00	= \$ 525.00		\$ 525.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -
Rock Check Dams		EA	\$ 500.00	= \$ -		\$ -
Inlet Protection	2	EA	\$ 167.00	= \$ 334.00		\$ 334.00
Sediment Basin		EA	\$ 1,762.00	= \$ -		\$ -
Concrete Washout Basin		EA	\$ 900.00	= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 55,903.37		\$ 55,903.37
Section 1 Subtotal				= \$ 277,727.29		\$ 277,727.29
SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 3,000.00	= \$ 3,000.00		\$ 3,000.00
Aggregate Base Course (135 lbs/cf)	4,700	Tons	\$ 28.00	= \$ 131,600.00		\$ 131,600.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	10,265	SY	\$ 19.00	= \$ 195,035.00		\$ 195,035.00
Asphalt Pavement (6" thick)		SY	\$ 29.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) —" thick		Tons	\$ 88.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 300.00	= \$ -		\$ -
Guide/Street Name Sign	8	EA	\$ 250.00	= \$ 2,000.00		\$ 2,000.00
Epoxy Pavement Marking		SF	\$ 13.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	= \$ -		\$ -
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	4,928	LF	\$ 30.00	= \$ 147,840.00		\$ 147,840.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	1,528	LF	\$ 30.00	= \$ 45,840.00		\$ 45,840.00
4" Sidewalk (common areas only)		SY	\$ 48.00	= \$ -		\$ -
5" Sidewalk	5,860	SY	\$ 60.00	= \$ 351,600.00		\$ 351,600.00
6" Sidewalk		SY	\$ 72.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -
Pedestrian Ramp	16	EA	\$ 1,150.00	= \$ 18,400.00		\$ 18,400.00
Cross Pan, local (8" thick, 6' wide to include return)	837	LF	\$ 61.00	= \$ 51,057.00		\$ 51,057.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

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Description		Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
[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	\$ 65.00	= \$	\$ -
24" Reinforced Concrete Pipe				892 LF	\$ 78.00	= \$ 69,576.00	\$ 69,576.00
30" Reinforced Concrete Pipe				5 LF	\$ 97.00	= \$ 485.00	\$ 485.00
36" Reinforced Concrete Pipe				LF	\$ 120.00	= \$ -	\$ -
42" Reinforced Concrete Pipe				LF	\$ 160.00	= \$ -	\$ -
48" Reinforced Concrete Pipe				LF	\$ 195.00	= \$ -	\$ -
54" Reinforced Concrete Pipe				LF	\$ 245.00	= \$ -	\$ -
60" Reinforced Concrete Pipe				LF	\$ 288.00	= \$ -	\$ -
66" Reinforced Concrete Pipe				LF	\$ 332.00	= \$ -	\$ -
72" Reinforced Concrete Pipe				LF	\$ 380.00	= \$ -	\$ -
18" Corrugated Steel Pipe				LF	\$ 84.00	= \$ -	\$ -
24" Corrugated Steel Pipe				LF	\$ 96.00	= \$ -	\$ -
30" Corrugated Steel Pipe				LF	\$ 122.00	= \$ -	\$ -
36" Corrugated Steel Pipe				LF	\$ 147.00	= \$ -	\$ -
42" Corrugated Steel Pipe				LF	\$ 168.00	= \$ -	\$ -
48" Corrugated Steel Pipe				LF	\$ 178.00	= \$ -	\$ -
54" Corrugated Steel Pipe				LF	\$ 260.00	= \$ -	\$ -
60" Corrugated Steel Pipe				LF	\$ 280.00	= \$ -	\$ -
66" Corrugated Steel Pipe				LF	\$ 340.00	= \$ -	\$ -
72" Corrugated Steel Pipe				LF	\$ 400.00	= \$ -	\$ -
78" Corrugated Steel Pipe				LF	\$ 460.00	= \$ -	\$ -
84" Corrugated Steel Pipe				LF	\$ 550.00	= \$ -	\$ -
Flared End Section (FES) RCP Size = 18 (unit cost = 6x pipe unit cost)				EA	\$ 390.00	= \$ -	\$ -
Flared End Section (FES) CSP Size = 42 (unit cost = 6x pipe unit cost)				EA	\$ 960.00	= \$ -	\$ -
End Treatment- Headwall				EA	\$ 12,000.00	= \$ -	\$ -
End Treatment- Wingwall				EA	\$ 6,000.00	= \$ -	\$ -
End Treatment - Cutoff Wall				EA	\$ 1,000.00	= \$ -	\$ -
Curb Inlet (Type R) L=5', Depth < 5'				EA	\$ 5,542.00	= \$ -	\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'				1 EA	\$ 7,188.00	= \$ 7,188.00	\$ 7,188.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'				1 EA	\$ 8,345.00	= \$ 8,345.00	\$ 8,345.00
Curb Inlet (Type R) L=10', Depth < 5'				EA	\$ 7,627.00	= \$ -	\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'				EA	\$ 7,861.00	= \$ -	\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'				EA	\$ 9,841.00	= \$ -	\$ -
Curb Inlet (Type R) L=15', Depth < 5'				EA	\$ 9,918.00	= \$ -	\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'				EA	\$ 10,633.00	= \$ -	\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'				EA	\$ 11,627.00	= \$ -	\$ -
Curb Inlet (Type R) L=20', Depth < 5'				EA	\$ 10,570.00	= \$ -	\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'				EA	\$ 11,667.00	= \$ -	\$ -
Grated Inlet (Type C), Depth < 5'				EA	\$ 4,640.00	= \$ -	\$ -
Grated Inlet (Type D), Depth < 5'				EA	\$ 5,731.00	= \$ -	\$ -
Storm Sewer Manhole, Box Base				3 EA	\$ 11,627.00	= \$ 34,881.00	\$ 34,881.00
Storm Sewer Manhole, Slab Base				EA	\$ 6,395.00	= \$ -	\$ -
Geotextile (Erosion Control)				SY	\$ 6.00	= \$ -	\$ -
Rip Rap, d50 size from 6" to 24"				Tons	\$ 80.00	= \$ -	\$ -
Rip Rap, Grouted				Tons	\$ 95.00	= \$ -	\$ -
Drainage Channel Construction, Size (W x H)				LF	= \$ -	= \$ -	\$ -
Drainage Channel Lining, Concrete				CY	\$ 570.00	= \$ -	\$ -
Drainage Channel Lining, Rip Rap				CY	\$ 112.00	= \$ -	\$ -
Drainage Channel Lining, Grass				AC	\$ 1,469.00	= \$ -	\$ -
Drainage Channel Lining, Other Stabilization					= \$ -	= \$ -	\$ -
[insert items not listed but part of construction plans]					= \$ -	= \$ -	\$ -
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)					= \$ -	= \$ -	\$ -
Section 2 Subtotal				=	\$ 1,066,847.00		\$ 1,066,847.00

maintenance
access road/trail

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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)						
Rip Rap Protection	609	Ton	\$ 80.00	= \$ 48,720.00		\$ 48,720.00
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	3,248	LF	\$ 64.00	= \$ 207,872.00		\$ 207,872.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	= \$	-	\$ -
Gate Valves, 8"	20	EA	\$ 1,858.00	= \$ 37,160.00		\$ 37,160.00
Fire Hydrant Assembly, w/ all valves	9	EA	\$ 6,597.00	= \$ 59,373.00		\$ 59,373.00
Water Service Line Installation, inc. tap and valves	75	EA	\$ 1,324.00	= \$ 99,300.00		\$ 99,300.00
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
[insert items not listed but part of construction plans]						
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"	3,023	LF	\$ 64.00	= \$ 193,472.00		\$ 193,472.00
Sanitary Sewer Manhole, Depth < 15 feet	14	EA	\$ 4,386.00	= \$ 61,404.00		\$ 61,404.00
Sanitary Service Line Installation, complete	75	EA	\$ 1,402.00	= \$ 105,150.00		\$ 105,150.00
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)						
		SF		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$ 812,451.00		\$ 812,451.00

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

Underdrain

per Planning?

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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	\$ 2,500.00	= \$ 2,500.00	\$	2,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -	\$	-
Total Construction Financial Assurance						\$ 2,159,525.29
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,159,525.29
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 225,789.40
(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

Approved by El Paso County Engineer / ECM Administrator

Date

Date

