

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

Updated: 12/8/2019

PROJECT INFORMATION		
Branding Iron at Sterling Ranch Filing No. 2	12/8/2020	SF-19-018
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plate Construction)		
						% Complete	Remaining	
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)								
* Earthwork								
less than 1,000; \$5,300 min	663	CY	\$ 8.00	=	\$ 5,300.00	80.00%	\$ 1,060.00	
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	50.00%	\$ 31,050.00	
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -	
* Permanent Pond/BMP (Spillway)		EA	\$ 2,500.00	=	\$ -	80.00%	\$ -	
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 6,500.00	=	\$ -	80.00%	\$ -	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket (SC150)	49,760	SY	\$ 3.00	=	\$ 149,280.00	50.00%	\$ 74,640.00	
Vehicle Tracking Control	4	EA	\$ 2,370.00	=	\$ 9,480.00	80.00%	\$ 1,896.00	
Silt Fence	2,474	LF	\$ 2.50	=	\$ 6,185.00	80.00%	\$ 1,237.00	
Temporary Seeding	12	AC	\$ 628.00	=	\$ 7,536.00		\$ 7,536.00	
Temporary Mulch	12	AC	\$ 750.00	=	\$ 9,000.00	80.00%	\$ 1,800.00	
Erosion Bales	21	EA	\$ 25.00	=	\$ 525.00	80.00%	\$ 105.00	
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -	
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -	
Inlet Protection	2	EA	\$ 167.00	=	\$ 334.00	80.00%	\$ 66.80	
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)					=	\$ 63,819.00		\$ 63,819.00
Section 1 Subtotal					=	\$ 313,559.00		\$ 183,209.80
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control	1	LS	\$ 3,000.00	=	\$ 3,000.00	80.00%	\$ 600.00	
Aggregate Base Course (135 lbs/cf)	4,700	Tons	\$ 28.00	=	\$ 131,600.00	80.00%	\$ 26,320.00	
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -	
Asphalt Pavement (3" thick)	3,260	SY	\$ 14.00	=	\$ 45,640.00	80.00%	\$ 9,128.00	
Asphalt Pavement (4" thick)	6,765	SY	\$ 19.00	=	\$ 128,535.00	80.00%	\$ 25,707.00	
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	80.00%	\$ 29,568.00	
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)	1,528	LF	\$ 30.00	=	\$ 45,840.00	80.00%	\$ 9,168.00	
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -	
5" Sidewalk	3,580	SY	\$ 60.00	=	\$ 214,800.00		\$ 214,800.00	
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -	
Pedestrian Ramp	22	EA	\$ 1,150.00	=	\$ 25,300.00	80.00%	\$ 5,060.00	
Cross Pan, local (8" thick, 6' wide to include return)	837	LF	\$ 61.00	=	\$ 51,057.00	80.00%	\$ 10,211.40	
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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12/8/2020

SF-19-018

Project Name

Date

PCD File No.

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						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
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	80.00%	\$ 13,915.20
30" Reinforced Concrete Pipe	5	LF	\$ 97.00	=	\$ 485.00	80.00%	\$ 97.00
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) ROP Size = 18 (unit cost = 8x 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	80.00%	\$ 1,437.60
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'	1	EA	\$ 8,345.00	=	\$ 8,345.00	80.00%	\$ 1,669.00
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	80.00%	\$ 6,976.20
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, #50 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				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 916,087.00	\$ 356,657.40

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

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						% 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	25.00%	\$ 36,540.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	3,248	LF	\$ 64.00	=	\$ 207,872.00	100.00%	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"	20	EA	\$ 1,858.00	=	\$ 37,160.00	100.00%	\$ -
Fire Hydrant Assembly, w/ all valves	9	EA	\$ 6,597.00	=	\$ 59,373.00	100.00%	\$ -
Water Service Line Installation, inc. tap and valves	75	EA	\$ 1,324.00	=	\$ 99,300.00	100.00%	\$ -
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"	3,023	LF	\$ 64.00	=	\$ 193,472.00	100.00%	\$ -
Sanitary Sewer Manhole, Depth < 15 feet	14	EA	\$ 4,386.00	=	\$ 61,404.00	100.00%	\$ -
Sanitary Service Line Installation, complete	75	EA	\$ 1,402.00	=	\$ 105,150.00	100.00%	\$ -
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)							
		SF		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				Section 3 Subtotal	= \$ 812,451.00		\$ 36,540.00

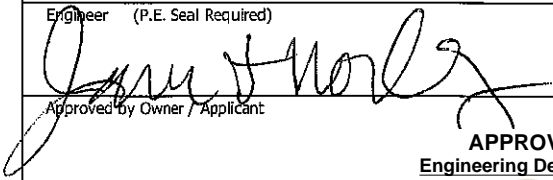
** - Section 3 is not subject to defect warranty requirements

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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						\$ 2,044,597.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 578,907.20
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 196,697.40
(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)


12/8/2020
 Date

APPROVED
 Engineering Department

Approved by Owner / Applicant

12/08/2020 1:17:54 PM
 dsdnjkamp

Date

EPC Planning & Community
 Development Department

