

2015 Financial Assurance Estimate Form

(Basic form)

6/18/2018

Project Information

Branding Iron at Sterling Ranch Filing No. 1

6/18/2018

Project Name

Date

All Grading and Erosion Control Items were provided with the Sterling Ranch Fil. No. 1 FAE's

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*		CY @	\$5	=	\$ *
Permanent Seeding*		AC @	\$582	=	\$ *
Mulching*		AC @	\$507	=	\$ *
Permanent Erosion Control Blanket		SY @	\$6	=	\$ *
Temporary Erosion Control Blanket		SY @	\$3	=	\$ *
Vehicle Tracking Control		EA @	\$1,625	=	\$ *
Safety Fence		LF @	\$3	=	\$ *
Silt Fence		LF @	\$4	=	\$ *
Temporary Seeding		AC @	\$485	=	\$ *
Temporary Mulch		AC @	\$507	=	\$ *
Erosion Bales		EA @	\$21	=	\$ *
Erosion Logs		LF @	\$6	=	\$ *
Rock Ditch Checks		EA @		=	\$ *
Inlet Protection		EA @	\$153	=	\$ *
Sediment Basin		EA @	\$1,625	=	\$ *
Concrete Washout Basin		EA @	\$776	=	\$ *
		@	\$	=	\$ *
Specified items subject to defect warranty financial assurance					
				Section 1 Subtotal	= \$

These items need to be included. The S.R. Filing #1 FAE is only for S.R. Filing #1 improvements.

Section 2 - Public Improvements**	Quantity	Units	Price		
- Roadway Improvements					
Construction Traffic Control		LS @	\$10,000	=	\$
Aggregate Base Course	5,553.00	Tons @	\$10	=	\$ 55,530.00
Asphalt Pavement	4,132.00	Tons @	\$65	=	\$ 268,580.00
Raised Median, Paved		SF @	\$7	=	\$
Electrical Conduit, Size =		LF @	\$14	=	\$
Traffic Signal, complete intersection		EA @	\$250,000	=	\$
Regulatory Sign		EA @	\$100	=	\$
Advisory Sign		EA @	\$100	=	\$
Guide/Street Name Sign	5.00	EA @	\$600	=	\$ 3,000.00
Epoxy Pavement Marking		SF @	\$12	=	\$
Thermoplastic Pavement Marking		SF @	\$22	=	\$
Barricade - Type 3	5.00	EA @	\$115	=	\$ 575.00
Delineator (Type I)		EA @	\$21	=	\$
Curb and Gutter, Type C (6" Mountable)	2,795.00	LF @	\$13	=	\$ 36,335.00
Curb and Gutter, Type A (6" Vertical)	4,500.00	LF @	\$16	=	\$ 72,000.00
Curb and Gutter, Type B (Median)		LF @	\$13	=	\$
Pedestrian Ramps	200.00	SY @	\$108	=	\$ 21,600.00

Cross Pan	785.00	SY	@	\$	\$53	=	\$	41,605.00
Sidewalk (5" Thick)	5,465.00	LF	@	\$	\$23	=	\$	125,695.00
Guardrail Type 3 (W-Beam)		LF	@	\$	\$18	=	\$	
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$	
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$	
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$	
Sound Barrier Fence		LF	@	\$	\$100	=	\$	
- Storm Drain Improvements								
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$		=	\$	
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$	
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$	
24" Reinforced Concrete Pipe	100.00	LF	@	\$	\$84	=	\$	8,400.00
30" Reinforced Concrete Pipe	325.00	LF	@	\$	\$94	=	\$	30,550.00
36" Reinforced Concrete Pipe	260.00	LF	@	\$	\$124	=	\$	32,240.00
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$	
48" Reinforced Concrete Pipe		LF	@	\$	\$178	=	\$	
54" Reinforced Concrete Pipe		LF	@	\$	\$182	=	\$	
60" Reinforced Concrete Pipe		LF	@	\$	\$216	=	\$	
66" Reinforced Concrete Pipe		LF	@	\$	\$263	=	\$	
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$	
Corrugated Steel Pipe (CSP) Size		LF	@	\$		=	\$	
18" Corrugated Steel Pipe		LF	@	\$	\$66	=	\$	
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$	
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$	
36" Corrugated Steel Pipe		LF	@	\$	\$136	=	\$	
42" Corrugated Steel Pipe		LF	@	\$	\$147	=	\$	
48" Corrugated Steel Pipe		LF	@	\$	\$169	=	\$	
54" Corrugated Steel Pipe		LF	@	\$	\$193	=	\$	
60" Corrugated Steel Pipe		LF	@	\$	\$227	=	\$	
66" Corrugated Steel Pipe		LF	@	\$	\$278	=	\$	
72" Corrugated Steel Pipe		LF	@	\$	\$330	=	\$	
78" Corrugated Steel Pipe		LF	@	\$	\$381	=	\$	
84" Corrugated Steel Pipe		LF	@	\$	\$432	=	\$	
Flared End Section (FES) RCP +		EA	@	\$	\$400	=	\$	
Flared End Section (FES) CSP +		EA	@	\$		=	\$	
End Treatment- Headwall		EA	@	\$		=	\$	
End Treatment- Wingwall		EA	@	\$		=	\$	
End Treatment - Cutoff Wall		EA	@	\$		=	\$	
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$	\$3,791	=	\$	
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	\$	\$5,044	=	\$	
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$	\$6,027	=	\$	
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$	\$5,528	=	\$	
Curb Inlet (Type R) L =10' , 5'-10' Depth	2.00	EA	@	\$	\$6,694	=	\$	13,388.00
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$	\$7,500	=	\$	
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$	\$7,923	=	\$	
Curb Inlet (Type R) L =15' , 5'-10' Depth	4.00	EA	@	\$	\$8,000	=	\$	32,000.00
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$	\$8,800	=	\$	
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$	\$8,000	=	\$	
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$	\$8,830	=	\$	
Curb Inlet (Type R) L = _____ , _____ - _____ Depth		EA	@	\$		=	\$	

Curb Inlet (Type R) L = _____, ___' - ___' Depth		EA	@	\$	=	\$
Grated Inlet (Type C), < 5' deep		EA	@	\$ 3,270	=	\$
Grated Inlet (Type D), < 5' deep		EA	@	\$ 3,908	=	\$
Storm Sewer Manhole, Box Base, Depth < 15 feet	1.00	EA	@	\$ 8,592	=	\$ 8,592.00
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$ 4,575	=	\$
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$
Rip Rap, d50 Size from 6" to 24"		CY	@	\$ 98	=	\$
Rip Rap, Grouted		CY	@	\$ 215	=	\$
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$
Channel Lining, Concrete		CY	@	\$ 450	=	\$
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$
Channel Lining, Grass		AC	@	\$ 1,287	=	\$
Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$
Detention Outlet Structure		EA	@	\$	=	\$
Detention Emergency Spillway		EA	@	\$	=	\$
Permanent Water Quality Facility (Describe)		EA	@	\$	=	\$
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6						
Section 2 Subtotal					=	\$ 750,090.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
- Roadway Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Concrete Sidewalk		SY	@	\$ 338	=	\$
			@	\$	=	\$
			@	\$	=	\$
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Detention Pond 8	3.00		@	\$ 10,000	=	\$ 30,000.00
			@	\$	=	\$
			@	\$	=	\$
- Water System Improvements						
Water Main Pipe (PVC), Size 8"	1,402.00	LF	@	\$ 94	=	\$ 131,788.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$
Gate Valves, 8"		EA	@	\$ 1,852	=	\$
Fire Hydrant Assembly w/ all valves	5.00	EA	@	\$ 6,430	=	\$ 32,150.00
Water Service Line Installation, inc. tap & valves	51.00	EA	@	\$ 1,253	=	\$ 63,903.00
Fire Cistern Installation, complete		EA	@	\$	=	\$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	1,371.00	LF	@	\$ 94	=	\$ 128,874.00
Sanitary Sewer Manhole, Depth < 15 feet	6.00	EA	@	\$ 4,575	=	\$ 27,450.00
Sanitary Service Line Installation, complete	51.00	EA	@	\$ 1,516	=	\$ 77,316.00
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$
- Landscaping (If Applicable)						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
***Items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal					=	\$ 491,481.00

Add the landscaping/trails within the subdivision

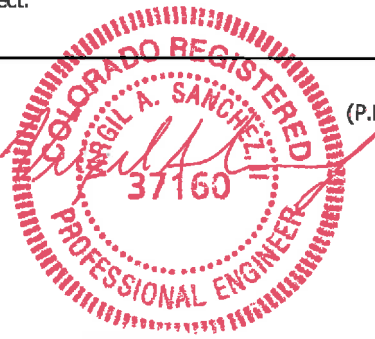
Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	1,000.00
(Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$ 1,242,571.00
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	750,090.00
	Defect Warranty Financial Assurance Total	=	\$ 150,018.00
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		900,108.00

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

Engineer



(P.E. Seal)

6/18/18

Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date