

2015 Financial Assurance Estimate Form

(Basic form)

11/9/2017

Project Information	
Branding Iron at Sterling Ranch Filing No. 1	11/9/2017
Project Name	Date

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

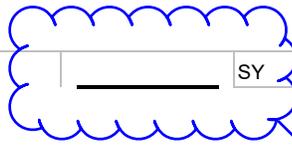
Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*		CY @	\$ 5	=	\$ *
Permanent Seeding*		AC @	\$ 582	=	\$ *
Mulching*		AC @	\$ 507	=	\$ *
Permanent Erosion Control Blanket*		SY @	\$ 6	=	\$ *
Temporary Erosion Control Blanket		SY @	\$ 3	=	\$
Vehicle Tracking Control		EA @	\$ 1,625	=	\$
Safety Fence		LF @	\$ 3	=	\$
Sill 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	=	\$

Section 2 - Public Improvements**	Quantity	Units	Price		
- Roadway Improvements					
Construction Traffic Control	1.00	LS @	\$ 10,000	=	\$ 10,000.00
Aggregate Base Course	1,331.00	Tons @	\$ 18	=	\$ 23,958.00
Asphalt Pavement	1,078.00	Tons @	\$ 65	=	\$ 70,070.00
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		EA @	\$ 115	=	\$
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)	200.00	LF @	\$ 16	=	\$ 3,200.00
Curb and Gutter, Type B (Median)		LF @	\$ 13	=	\$

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

Pedestrian Ramp

		SY	@	\$	\$108	=	\$
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provide

provide thickness(es)

Cross Pan		SY	@	\$	\$53	=	\$
Sidewalk	3,165.00	LF	@	\$	\$23	=	\$ 72,795.00
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		LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe		LF	@	\$	\$94	=	\$
36" Reinforced Concrete Pipe		LF	@	\$	\$124	=	\$
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	@	\$		=	\$
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		EA	@	\$	\$6,694	=	\$
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		EA	@	\$	\$8,000	=	\$
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		EA	@	\$	\$8,592	=	\$
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						=	\$ 219,358.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
<u>- Roadway Improvements</u>						
(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	=	\$
			@	\$	=	\$
			@	\$	=	\$
<u>- Storm Drain Improvements</u>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
<u>- Water System Improvements</u>						
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	@	\$	=	\$
<u>- Sanitary Sewer Improvements</u>						
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	@	\$	=	\$
<u>- Landscaping (If Applicable)</u>						
(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						\$ 461,481.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$	<u>680,839.00</u>
	(Sum of all Section Totals)			
	Public Improvements Total* **	=	\$	219,358.00
	Defect Warranty Financial Assurance Total	=	\$	<u>43,871.60</u>
	(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)			

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)	Date
provide		
Approved by Owner / Applicant		Date
Approved by El Paso County Engineer / ECM Administrator		Date

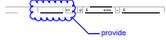
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These items need to be included. The S.R. Filing #1 FAE is only for S.R. Filing #1 improvements.



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provide



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provide thickness(es)



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