

# 2015 Financial Assurance Estimate Form

(Basic form)

6/18/2018

## Project Information

Homestead 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					
				<b>Section 1 Subtotal</b>	<b>= \$</b>

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		
<b>- Roadway Improvements</b>					
Construction Traffic Control		LS @	\$ 6,000	=	\$
Aggregate Base Course	7,103.00	Tons @	\$ 10	=	\$ 71,030.00
Asphalt Pavement	5,112.00	Tons @	\$ 65	=	\$ 332,280.00
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	6.00	EA @	\$ 600	=	\$ 3,600.00
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)	4,558.00	LF @	\$ 13	=	\$ 59,254.00
Curb and Gutter, Type A (6" Vertical)	3,208.00	LF @	\$ 16	=	\$ 51,328.00
Curb and Gutter, Type B (Median)		LF @	\$ 13	=	\$
Pedestrian Ramp	168.00	SY @	\$ 108	=	\$ 18,144.00



Provide thicknesses

Cross Pan		550.00	SY	@	\$	\$53	=	\$	29,150.00
Sidewalk (5")		7,530.00	LF	@	\$	\$20	=	\$	150,600.00
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	=	\$	
<b>- Storm Drain Improvements</b>									
Concrete Box Culvert (M Standard), Size ( W x H )			LF	@	\$		=	\$	
Reinforced Concrete Pipe (RCP)	Size		LF	@	\$		=	\$	
18" Reinforced Concrete Pipe		210.00	LF	@	\$	\$69	=	\$	14,490.00
24" Reinforced Concrete Pipe		510.00	LF	@	\$	\$84	=	\$	42,840.00
30" Reinforced Concrete Pipe		1,665.00	LF	@	\$	\$94	=	\$	156,510.00
36" Reinforced Concrete Pipe		360.00	LF	@	\$	\$124	=	\$	44,640.00
42" Reinforced Concrete Pipe		385.00	LF	@	\$	\$134	=	\$	51,590.00
48" Reinforced Concrete Pipe			LF	@	\$	\$178	=	\$	
54" Reinforced Concrete Pipe		1,180.00	LF	@	\$	\$182	=	\$	214,760.00
60" Reinforced Concrete Pipe		254.00	LF	@	\$	\$216	=	\$	54,864.00
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	+	2.00	EA	@	\$		=	\$	
Flared End Section (FES) CSP	+	1.00	EA	@	\$		=	\$	
End Treatment- Headwall		1.00	EA	@	\$		=	\$	
End Treatment- Wingwall		2.00	EA	@	\$		=	\$	
End Treatment - Cutoff Wall		3.00	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 =8', Depth < 5 feet		1.00	EA	@	\$	\$4,700	=	\$	4,700.00
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		3.00	EA	@	\$	\$8,000	=	\$	24,000.00
Curb Inlet (Type R) L =15' , 10'-15' Depth		2.00	EA	@	\$	\$8,800	=	\$	17,600.00
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	1.00	EA	@	\$ 3,270	=	\$ 3,270.00
Grated Inlet (Type D), < 5' deep	3.00	EA	@	\$ 3,908	=	\$ 11,724.00
Storm Sewer Manhole, Box Base, Depth < 15 feet	13.00	EA	@	\$ 8,592	=	\$ 111,696.00
Storm Sewer Manhole, Slab Base, Depth < 15 feet	1.00	EA	@	\$ 4,575	=	\$ 4,575.00
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$
Rip Rap, d50 Size from 6" to 24"	280.00	CY	@	\$ 98	=	\$ 27,440.00
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						
<b>Section 2 Subtotal</b>						<b>\$ 1,500,085.00 **</b>

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		
<b>- Roadway Improvements</b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
Detention Pond 4	3.00	@	\$ 10,000	=	\$ 30,000.00
Detention Pond W-9	2.00	@	\$ 10,000	=	\$ 20,000.00
<b>- Storm Drain Improvements</b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
<b>- Water System Improvements</b>					
Water Main Pipe (PVC), Size 8"	2,791.00	LF	@ \$ 94	=	\$ 262,354.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ 137	=	\$
Gate Valves, 8"	6.00	EA	@ \$ 1,852	=	\$ 11,112.00
Fire Hydrant Assembly w/ all valves	8.00	EA	@ \$ 6,430	=	\$ 51,440.00
Water Service Line Installation, inc. tap & valves	72.00	EA	@ \$ 1,253	=	\$ 90,216.00
Fire Cistem Installation, complete		EA	@ \$	=	\$
<b>- Sanitary Sewer Improvements</b>					
Sewer Main Pipe (PVC), Size 8"	2,782.00	LF	@ \$ 94	=	\$ 261,508.00
Sanitary Sewer Manhole, Depth < 15 feet	12.00	EA	@ \$ 4,575	=	\$ 54,900.00
Sanitary Service Line Installation, complete	72.00	EA	@ \$ 1,516	=	\$ 109,152.00
Sanitary Sewer Lift Station, complete		EA	@ \$	=	\$
<b>- Landscaping (if Applicable)</b>					
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
		EA	@ \$	=	\$
				<b>Section 3 Subtotal</b>	<b>= \$ 890,682.00</b>

\*\*\*items in this section are not subject to defect warranty financial assurance

Complete landscape for areas within sub.

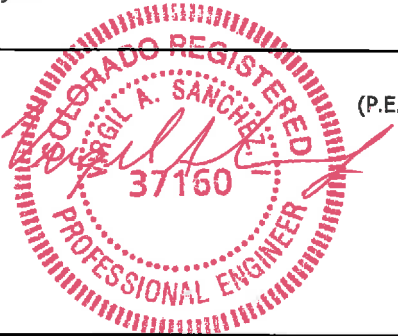
**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	1,000.00
( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total</b>	=	<b>\$ 2,391,767.00</b>
	(Sum of all Section Totals)		
	<b>Public Improvements Total* **</b>	\$	1,500,085.00
	<b>Defect Warranty Financial Assurance Total</b>	=	<b>\$ 300,017.00</b>
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		1,800,102.00

**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)

4/18/18  
Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

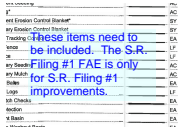
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# Markup Summary

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## dsdrice (2)

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**Subject:** Text Box  
**Page Label:** 1  
**Author:** dsdrice  
**Date:** 7/26/2018 10:02:42 AM  
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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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**Subject:** Cloud+  
**Page Label:** 1  
**Author:** dsdrice  
**Date:** 7/26/2018 10:04:26 AM  
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Provide thicknesses

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## dsdparsons (1)

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**Subject:** Cloud+  
**Page Label:** 4  
**Author:** dsdparsons  
**Date:** 7/24/2018 11:55:23 AM  
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Complete landscape for areas within sub.