

SF-19-004

# 2015 Financial Assurance Estimate Form

(Basic form)

2/14/19

<b>Project Information</b>	
<b>Homestead at Sterling Ranch Filing No. 2</b>	<b>2/20/2019</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*		CY	@	\$ 5	=	\$ *
Permanent Seeding*		AC	@	\$ 582	=	\$ *
Mulching*		AC	@	\$ 507	=	\$ *
Permanent Erosion Control Blanket*	6,297.00	SY	@	\$ 6	=	\$ 37,782.00 *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$
Vehicle Tracking Control	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	3,479.00	LF	@	\$ 4	=	\$ 13,916.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	30.00	EA	@	\$ 21	=	\$ 630.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	7.00	EA	@	\$ 153	=	\$ 1,071.00
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00
Rip-Rap	119.00	CY	@	\$	=	\$
Specified items subject to defect warranty financial assurance						
<b>Section 1 Subtotal</b>					=	\$ 57,425.00

Use the current form on the website to correct this note.

Extend rip rap item.

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
Construction Traffic Control	1.00	LS	@	\$ 3,000	=	\$ 3,000.00
Aggregate Base Course	7,019.05	Tons	@	\$ 18	=	\$ 126,342.95
Asphalt Pavement	4,386.91	Tons	@	\$ 65	=	\$ 285,149.03
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	9.00	EA	@	\$	=	\$
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 (Ramp)	7,274.00	LF	@	\$ 21	=	\$ 152,754.00
Curb and Gutter, Type A (6" Vertical)	2,512.00	LF	@	\$ 16	=	\$ 40,192.00
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$
Pedestrian Ramp	19.00	SY	@	\$ 108	=	\$ 2,052.00

Include improvements to Briargate, Wheatland & Vollmer to provide two points of access.

Cross Pan		657.00	SY	@	\$	\$53	=	\$	34,821.00
Curb Chase			EA	@	\$	\$1,300	=	\$	
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		168.00	LF	@	\$	\$69	=	\$	11,592.00
24" Reinforced Concrete Pipe		54.00	LF	@	\$	\$84	=	\$	4,536.00
30" Reinforced Concrete Pipe		998.00	LF	@	\$	\$94	=	\$	93,812.00
36" Reinforced Concrete Pipe		8.00	LF	@	\$	\$124	=	\$	992.00
42" Reinforced Concrete Pipe		699.00	LF	@	\$	\$134	=	\$	93,666.00
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	†	2.00	EA	@	\$	\$1,000	=	\$	2,000.00
Flared End Section (FES) CSP	†		EA	@	\$		=	\$	
End Treatment- Headwall		1.00	EA	@	\$	\$6,000	=	\$	6,000.00
End Treatment- Wingwall		1.00	EA	@	\$	\$12,000	=	\$	12,000.00
End Treatment - Cutoff Wall		1.00	EA	@	\$	\$1,000	=	\$	1,000.00
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	18.00	EA	@	\$	\$8,592	=	\$ 154,656.00
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$	\$4,575	=	\$
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$
Rip Rap, d50 Size from 6" to 24"	59.72	CY	@	\$	\$98	=	\$ 5,852.56
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	1.00	EA	@	\$	1,500	=	\$ 1,500.00
Detention Emergency Spillway	1.00	EA	@	\$	1,036	=	\$ 1,036.11
Permanent Water Quality Facility (Describe)	1.00	EA	@	\$	6,000	=	\$ 6,000.00
**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>		=	\$ 1,038,953.65 **

<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)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Concrete Sidewalk	5,858.33	SY	@	\$ 38	=	\$ 222,616.67
			@	\$	=	\$
			@	\$	=	\$
<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"	4,943.00	LF	@	\$ 94	=	\$ 464,642.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$
Gate Valves, 8"	29.00	EA	@	\$ 1,852	=	\$ 53,708.00
Fire Hydrant Assembly w/ all valves	11.00	EA	@	\$ 6,430	=	\$ 70,730.00
Water Service Line Installation, inc. tap & valves	104.00	EA	@	\$ 1,253	=	\$ 130,312.00
Fire Cistern Installation, complete		EA	@	\$	=	\$
<b>- Sanitary Sewer Improvements</b>						
Sewer Main Pipe (PVC), Size 8"	4,859.00	LF	@	\$ 94	=	\$ 456,746.00
Sanitary Sewer Manhole, Depth < 15 feet	25.00	EA	@	\$ 4,575	=	\$ 114,375.00
Sanitary Service Line Installation, complete	104.00	EA	@	\$ 1,516	=	\$ 157,664.00
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	@	\$	=	\$
***items in this section are not subject to defect warranty financial assurance				<b>Section 3 Subtotal</b>		<b>\$ 1,670,793.67</b>

<b>Financial Assurance Totals</b>	
As-built drawings - <b>(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)</b>	<b>\$</b>
( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total = \$ 2,767,172.32</b>
(Sum of all Section Totals)	
Public Improvements Total* **	<b>\$ 1,076,735.65</b>
<b>Defect Warranty Financial Assurance Total</b>	<b>= \$ 215,347.13</b>
(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.

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Engineer	Date
(P.E. Seal)	

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