

2015 Financial Assurance Estimate Form

(Basic form)

2/14/19

Project Information	
Homestead at Sterling Ranch Filing No. 2	2/20/2019
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	@	\$	=	\$
pecified items subject to defect warranty financial assurance						
Section 1 Subtotal					=	\$ 57,425.00

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
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

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	=	\$	
- Storm Drain Improvements									
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				Section 2 Subtotal		=	\$ 1,038,953.65 **

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	5,858.33	SY	@	\$ 38	=	\$ 222,616.67
			@	\$	=	\$
			@	\$	=	\$
<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"	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	@	\$	=	\$
<u>- Sanitary Sewer Improvements</u>						
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	@	\$	=	\$
<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	=	\$ 1,670,793.67

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>2,767,172.32</u>
	(Sum of all Section Totals)	
	Public Improvements Total* **	\$ 1,076,735.65
	Defect Warranty Financial Assurance Total	= \$ <u>215,347.13</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	Date
(P.E. Seal)	

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