

2015 Financial Assurance
Estimate Form (with pre-plot construction)

8/6/2015

Project Information

Homestead at Sterling Ranch Filing No. 1

12/11/2018

Date

Project Name

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY @	\$ 5		\$ -
Permanent Seeding* (inc. noxious weed mgmt.)		AC @	\$ 582		\$ -
Mulching*		AC @	\$ 507		\$ -
Permanent Erosion Control Blanket*		SY @	\$ 8		\$ -
Temporary Erosion Control Blanket		SY @	\$ 3		\$ -
Vehicle Tracking Control	1.00	EA @	\$ 1,625		\$ 1,625.00
Safety Fence		LF @	\$ 3		\$ -
Silt Fence		LF @	\$ 4		\$ -
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Bales		EA @	\$ 21		\$ -
Erosion Logs		LF @	\$ 38		\$ -
Rock Ditch Checks		EA @	\$ -		\$ -
Inlet Protection	10.00	EA @	\$ 153	80.00	\$ 306.00
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776		\$ 776.00
		@	\$ -		\$ -
Section 1 Subtotal					\$ 3,931.00
					\$ 2,707.00

* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$ -		\$ -
Aggregate Base Course	7,103.00	Tons @	\$ 18	30.00	\$ 89,497.80
Asphalt Pavement	5,112.00	Tons @	\$ 95		\$ 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	5.00	EA @	\$ 115		\$ 575.00
Delineator (Type I)		EA @	\$ 21		\$ -
Curb and Gutter, Type C (Ramp)	4,558.00	LF @	\$ 21	80.00	\$ 19,143.60
Curb and Gutter, Type A (6" Vertical)	3,208.00	LF @	\$ 16	80.00	\$ 10,265.60
Curb and Gutter, Type B (Median)		LF @	\$ 13		\$ -
Pedestrian Ramp	168.00	SY @	\$ 108		\$ 18,144.00

Cross Pan	550.00	SY	⊙	\$ 563	=	\$ 29,150.00	80.00	\$ 5,830.00	
Curb Chases		EA	⊙	\$ 1,300	=	\$		\$ -	
Guardrail Type 3 (W-Beam)		LF	⊙	\$ 118	=	\$		\$ -	
Guardrail Type 7 (Concrete)		LF	⊙	\$ 87	=	\$		\$ -	
Guardrail End Anchorage		EA	⊙	\$ 1,878	=	\$		\$ -	
Guardrail Impact Attenuator		EA	⊙	\$ 3,664	=	\$		\$ -	
Sidewalk (5" Thick)	7,530.00	LF	⊙	\$ 568	=	\$ 436,740.00	80.00	\$ 87,348.00	
- Storm Drain Improvements									
Concrete Box Culvert (M Standard), Size (W x H)		LF	⊙	\$	=	\$		\$ -	
Reinforced Concrete Pipe (RCP) Size		LF	⊙	\$	=	\$		\$ -	
18" Reinforced Concrete Pipe	210.00	LF	⊙	\$ 68	=	\$ 14,490.00	80.00	\$ 2,898.00	
24" Reinforced Concrete Pipe	610.00	LF	⊙	\$ 84	=	\$ 51,240.00	80.00	\$ 10,248.00	
30" Reinforced Concrete Pipe	1,665.00	LF	⊙	\$ 94	=	\$ 156,510.00	80.00	\$ 31,302.00	
36" Reinforced Concrete Pipe	360.00	LF	⊙	\$ 124	=	\$ 44,640.00	80.00	\$ 8,928.00	
42" Reinforced Concrete Pipe	385.00	LF	⊙	\$ 134	=	\$ 51,590.00	80.00	\$ 10,318.00	
48" Reinforced Concrete Pipe		LF	⊙	\$ 178	=	\$		\$ -	
54" Reinforced Concrete Pipe	1,180.00	LF	⊙	\$ 182	=	\$ 214,760.00	80.00	\$ 42,952.00	
60" Reinforced Concrete Pipe	254.00	LF	⊙	\$ 216	=	\$ 54,864.00	80.00	\$ 10,972.80	
66" Reinforced Concrete Pipe		LF	⊙	\$ 263	=	\$		\$ -	
72" Reinforced Concrete Pipe		LF	⊙	\$ 283	=	\$		\$ -	
Corrugated Steel Pipe (CSP) Size		LF	⊙	\$	=	\$		\$ -	
18" Corrugated Steel Pipe		LF	⊙	\$ 368	=	\$		\$ -	
24" Corrugated Steel Pipe		LF	⊙	\$ 396	=	\$		\$ -	
30" Corrugated Steel Pipe		LF	⊙	\$ 101	=	\$		\$ -	
36" Corrugated Steel Pipe		LF	⊙	\$ 138	=	\$		\$ -	
42" Corrugated Steel Pipe		LF	⊙	\$ 147	=	\$		\$ -	
48" Corrugated Steel Pipe		LF	⊙	\$ 189	=	\$		\$ -	
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	⊙	\$ 8,027	=	\$		\$ -	
Curb Inlet (Type R) L=10', Depth < 5 feet	1.00	EA	⊙	\$ 5,528	=	\$ 5,528.00	80.00	\$ 1,105.60	
Curb Inlet (Type R) L=10', 5'-10' Depth		EA	⊙	\$ 6,684	=	\$		\$ -	
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	80.00	\$ 4,800.00	
Curb Inlet (Type R) L=15', 10'-15' Depth	2.00	EA	⊙	\$ 8,800	=	\$ 17,600.00	80.00	\$ 3,520.00	
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	80.00	\$ 654.00	
Grated Inlet (Type D), < 5' deep	3.00	EA	⊙	\$ 3,908	=	\$ 11,724.00	80.00	\$ 2,344.80	
Storm Sewer Manhole, Box Base, Depth < 15 feet	13.00	EA	⊙	\$ 8,582	=	\$ 111,696.00	80.00	\$ 22,339.20	
Storm Sewer Manhole, Slab Base, Depth < 15 feet	1.00	EA	⊙	\$ 4,575	=	\$ 4,575.00	80.00	\$ 915.00	
Geotextile (Erosion Control)		SY	⊙	\$ 95	=	\$		\$ -	
Rip Rap, d50 Size from 6" to 24"	280.00	CY	⊙	\$ 98	=	\$ 27,440.00		\$ 27,440.00	
Rip Rap, Grouted		CY	⊙	\$ 215	=	\$		\$ -	
Drainage Channel Construction, Size (W x H)		LF	⊙	\$	=	\$		\$ -	

Channel Lining, Concrete	CY	①	\$ 450	=	\$	\$
Channel Lining, Rip Rap	CY	①	\$ 98	=	\$	\$
Channel Lining, Grass	AC	①	\$ 1,287	=	\$	\$
Channel Lining, Other Stabilization	SY	①	\$ 83	=	\$	\$
Detention Outlet Structure	EA	①	\$	=	\$	\$
Detention Emergency Spillway	EA	①	\$	=	\$	\$
Permanent Water Quality Facility (Describe)	EA	①	\$	=	\$	\$
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 8						
					1,889,316.00	747,421.40 **
Section 2 Subtotal				\$		

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
- 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	\$ 838	=	\$	\$
			\$	=	\$	\$
			\$	=	\$	\$
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			\$	=	\$	\$
			\$	=	\$	\$
			\$	=	\$	\$
Pond 4	1.00		\$ 30,000	=	\$ 30,000.00	40.00 \$ 18,000.00
Pond W9	1.00		\$ 20,000	=	\$ 20,000.00	30.00 \$ 14,000.00
Tract L Grass lined swale and TSB	1.00		\$ 1,000	=	\$ 1,000.00	\$ 1,000.00
- Water System Improvements						
Water Main Pipe (PVC), Size 8"	2,791.00	LF	\$ 94	=	\$ 262,354.00	100.00 \$
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 137	=	\$	\$
Gate Valves, 8"	6.00	EA	\$ 1,852	=	\$ 11,112.00	100.00 \$
Fire Hydrant Assembly w/ all valves	8.00	EA	\$ 6,430	=	\$ 51,440.00	100.00 \$
Water Service Line Installation, including tap and valves	72.00	EA	\$ 1,253	=	\$ 90,216.00	100.00 \$
Fire Cistern Installation, complete		EA	\$	=	\$	\$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	2,782.00	LF	\$ 94	=	\$ 261,508.00	100.00 \$
Sanitary Sewer Manhole, Depth < 15 feet	12.00	EA	\$ 4,575	=	\$ 54,900.00	100.00 \$
Sanitary Service Line Installation, complete	72.00	EA	\$ 1,516	=	\$ 109,152.00	100.00 \$
Sanitary Sewer Lift Station, complete		EA	\$	=	\$	\$
- Landscaping (if Applicable)						
(List landscaping items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	\$	=	\$	\$
		EA	\$	=	\$	\$
Trail Connection, Landscaping, Concrete walk, rock mulch, native seed, plantings	1.00	LS	\$ 10,122	=	\$ 10,122.00	\$ 10,122.00
		EA	\$	=	\$	\$
		EA	\$	=	\$	\$
***Items in this section are not subject to defect warranty financial assurance						
			Section 3 Subtotal	=	\$ 901,804.00	43,122.00

Financial Assurance Totals	\$	\$750
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		
(Inc. survey to verify detention pond volumes.)		
Total Construction Financial Assurance		\$2,795,801.00
(Sum of all section subtotals)		
Total Remaining Construction Financial Assurance		794,000.40
(Sum of all section totals less credit for items complete)		
Total Defect Warranty Financial Assurance		\$377,863.20
(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)		

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.

[Handwritten Signature]
 Engineer

(P.E. Seal)



12/11/18

[Handwritten Signature]
 Approved by Owner / Applicant

12/11/2018
 Date

Approved by El Paso County Engineer / ECM Administrator

Approved

By: Elizabeth NijKamp

Date: 12/12/2018

El Paso County Planning & Community Development