

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

8/6/2015

Project Information	
Homestead at Sterling Ranch Filing No. 1	11/28/2018
Project Name	Date

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 @	\$ 6		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3		\$ - *
Vehicle Tracking Control	1.00	EA @	\$ 1,625	100.00	\$ -
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	10.00	EA @	\$ 153	100.00	\$ -
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776	100.00	\$ -
		@	\$		\$ -
* 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 1 Subtotal				\$ 3,931.00	\$ -

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$		\$ - *
Aggregate Base Course	7,103.00	Tons @	\$ 18	100.00	\$ - *
Asphalt Pavement	5,112.00	Tons @	\$ 65	80.00	\$ 66,456.00 *
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 @	\$ 3600	80.00	\$ 720.00 *
Epoxy Pavement Marking		SF @	\$ 12		\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22		\$ - *
Barricade - Type 3	5.00	EA @	\$ 115	80.00	\$ 115.00 *
Delinicator (Type I)		EA @	\$ 21		\$ - *
Curb and Gutter, Type C (Ramp)	4,538.00	LF @	\$ 21	80.00	\$ 19,143.60 *
Curb and Gutter, Type A (8" Vertical)	3,208.00	LF @	\$ 16	80.00	\$ 10,265.60 *
Curb and Gutter, Type B (Median)		LF @	\$ 13		\$ - *
Pedestrian Ramp	168.00	SY @	\$ 106	80.00	\$ 3,628.80 *

18 PDS ?

8 EXISTING
INTERNAL PDS

80%

50%?

Gross Pan	550.00	SY	@	\$	\$53	=	\$	29,150.00	80.00	\$	5,830.00	*
Curb Chase		EA	@	\$	\$1,300	=	\$			\$	-	*
Guardrail Type 3 (W-Beam)		LF	@	\$	\$19	=	\$			\$	-	*
Guardrail Type 7 (Concrete)		LF	@	\$	\$87	=	\$			\$	-	*
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$			\$	-	*
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$			\$	-	*
Sidewalk (5" Thick)	7,530.00	LF	@	\$	\$58	=	\$	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	@	\$	\$69	=	\$	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	@	\$	\$283	=	\$			\$	-	*
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$			\$	-	*
Corrugated Steel Pipe (CSP) Size		LF	@	\$		=	\$			\$	-	*
18" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$			\$	-	*
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$			\$	-	*
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$			\$	-	*
36" Corrugated Steel Pipe		LF	@	\$	\$135	=	\$			\$	-	*
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	1.00	EA	@	\$	\$5,528	=	\$	5,528.00	80.00	\$	1,105.60	*
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	@	\$	\$7,823	=	\$			\$	-	*
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	@	\$	\$5	=	\$			\$	-	*
Rip Rap, #50 Size from 6" to 24"	280.00	CY	@	\$	\$98	=	\$	27,440.00	80.00	\$	5,488.00	*
Rip Rap, Grouted		CY	@	\$	\$215	=	\$			\$	-	*
Drainage Channel Construction, Size (W x H)		LF	@	\$		=	\$			\$	-	*

0%

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	@	\$	=	\$	\$ - *
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 90% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6						
Section 2 Subtotal				=	1,889,316.00	352,292.40 **
				=	\$	

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	@ \$ 36	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
- 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	60.00	\$ 6,000.00
Pond W8	1.00		@ \$ 20,000	= \$ 20,000.00	80.00	\$ 4,000.00
Tract L Grass lined swale and TSB	1.00		@ \$ 1,000	= \$ 1,000.00	80.00	\$ 200.00
- Water System Improvements						
Water Main Pipe (PVC), Size 6"	2,791.00	LF	@ \$ 94	= \$ 262,354.00	100.00	\$ -
Water Main Pipe (Ductile Iron), Size 6"		LF	@ \$ 137	= \$		\$ -
Gate Valves, 8"	6.00	EA	@ \$ 1,862	= \$ 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	@ \$ 4,576	= \$ 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 line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@ \$	= \$		\$ -
		EA	@ \$	= \$		\$ -
Traffic 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	20,322.00

60
30
10
100

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 750
(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 373,354.40
	(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.

Engineer	(P.E. Seal)	Date
<i>James H. Morley</i>		7/10/2019
Approved by Owner / Applicant		Date
Approved by El Paso County Engineer / ECM Administrator		Date

