

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

8/6/2015

<b>Project Information</b>	
<b>Homestead at Sterling Ranch Filing No. 1</b>	<b>11/7/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY @	\$ 5		\$ - *
Permanent Seeding* (Inc. noxious weed mgmnt.)		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		\$ 1,625.00
Safety Fence		LF @	\$ 3		\$ -
Silt Fence		LF @	\$ 4		\$ -
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Muich		AC @	\$ 507		\$ -
Erosion Bales		EA @	\$ 21		\$ -
Erosion Logs		LF @	\$ 6		\$ -
Rock Ditch Checks		EA @	\$		\$ -
Inlet Protection	10.00	EA @	\$ 153	60.00	\$ 612.00
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776		\$ 776.00
		@	\$		\$ -
* 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.					
<b>Section 1 Subtotal</b>					\$ 3,931.00
					\$ 3,013.00

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
Construction Traffic Control		LS @	\$		\$ - *
Aggregate Base Course	7,103.00	Tons @	\$ 18	60.00	\$ 51,141.60 *
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	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 *

Note: percents complete are to be agreed on prior to plat recordation.

Cross Pan	550.00	SY	@	\$	\$53	=	\$	29,150.00	80.00	\$	5,830.00	*
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	=	\$			\$	-	*
Sidewalk (5" Thick)	7,530.00	LF	@	\$	\$58	=	\$	436,740.00	70.00	\$	131,022.00	*
<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	30.00	\$	10,143.00	*
24" Reinforced Concrete Pipe	610.00	LF	@	\$	\$84	=	\$	51,240.00		\$	51,240.00	*
30" Reinforced Concrete Pipe	1,665.00	LF	@	\$	\$94	=	\$	155,510.00	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	@	\$	\$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 †		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	1.00	\$	5,472.72	*
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	3.00	\$	23,280.00	*
Curb Inlet (Type R) L=15', 10'-15' Depth	2.00	EA	@	\$	\$8,800	=	\$	17,600.00	2.00	\$	17,248.00	*
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		\$	3,270.00	*
Grated Inlet (Type D), < 5' deep	3.00	EA	@	\$	\$3,908	=	\$	11,724.00		\$	11,724.00	*
Storm Sewer Manhole, Box Base, Depth < 15 feet	13.00	EA	@	\$	\$8,592	=	\$	111,696.00		\$	111,696.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	1.00	EA	@	\$	\$4,575	=	\$	4,575.00		\$	4,575.00	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$			\$	-	*
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	@	\$ 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 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6								
<b>Section 2 Subtotal</b>						\$	1,889,316.00	942,563.32 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
<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		SY	@ \$ \$38	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
<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)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
Pond 4	1.00	@	\$ 30,000	= \$ 30,000.00	75.00	\$ 7,500.00
Pond W9	1.00	@	\$ 20,000	= \$ 20,000.00	30.00	\$ 14,000.00
			@ \$	= \$		\$ -
<b>- Water System Improvements</b>						
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	@ \$	= \$		\$ -
<b>- Sanitary Sewer Improvements</b>						
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	@ \$	= \$		\$ -
<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	@ \$	= \$		\$ -
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						
<b>Section 3 Subtotal</b>				=	\$ 900,804.00	31,622.00

Add grass-lined swale in Tract L and TSB offsite.

Provide letter from district stating that the utilities are functional and have been accepted.

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

( Inc. survey to verify detention pond volumes.)

**Total Construction Financial Assurance** \$2,794,651.00

(Sum of all section subtotals)

**Total Remaining Construction Financial Assurance** 977,198.32

(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)

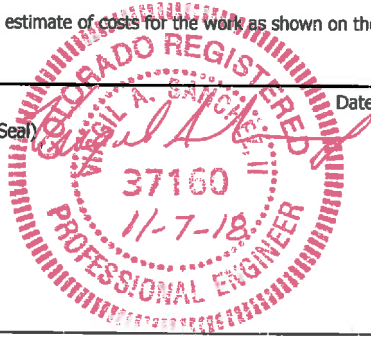
**Approvals**

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



*James Hord*

*11/17/18*

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

provide \$ for as-builts