

# 2015 Financial Assurance

## Estimate Form (with pre-plat construction)

<b>Project Information</b>	
<b>MIDTOWN COLLECTION AT HANNAH RIDGE FIL. NO. 1</b>	<b>3/28/2019</b>
Project Name (SF-19-___)	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	= \$		\$ - *
Permanent Turf Reinfortment Matting (TRM)		SY	@	\$ \$12	= \$		\$ -
Vehicle Tracking Control	3.00	EA	@	\$ \$1,625	= \$ 4,875.00		\$ 4,875.00
Safety Fence		LF	@	\$ \$3	= \$		\$ -
Silt Fence	2,850.00	LF	@	\$ \$4	= \$ 11,400.00		\$ 11,400.00
Temporary Seeding	8.60	AC	@	\$ \$485	= \$ 4,171.00		\$ 4,171.00
Temporary Mulch		AC	@	\$ \$507	= \$		\$ -
Erosion Bales	13.00	EA	@	\$ \$21	= \$ 273.00		\$ 273.00
Erosion Logs		LF	@	\$ \$6	= \$		\$ -
Rock Ditch Checks		EA	@	\$ \$98	= \$		\$ -
Inlet Protection	5.00	EA	@	\$ \$153	= \$ 765.00		\$ 765.00
Sediment Basin	3.00	EA	@	\$ \$1,625	= \$ 4,875.00		\$ 4,875.00
Concrete Washout Basin	1.00	EA	@	\$ \$776	= \$ 776.00		\$ 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.							
Section 1 Subtotal					= \$ 27,135.00		\$ 27,135.00

Section 2 - Public Improvements**	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
Construction Traffic Control		LS	@	\$ 2,000	= \$		\$ - *
Aggregate Base Course (Locals roads)	1,939.00	Tons	@	\$ \$18	= \$ 34,902.00		\$ 34,902.00 *
Asphalt Pavement (Local roads)	1,402.00	Tons	@	\$ \$65	= \$ 91,130.00		\$ 91,130.00 *
Raised Median, Paved		SF	@	\$ \$7	= \$		\$ - *
Electrical Conduit, Size =		LF	@	\$ \$14	= \$		\$ - *
Traffic Signal, complete intersection		EA	@	\$ \$250,000	= \$		\$ - *
Regulatory Sign	10.00	EA	@	\$ \$100	= \$ 1,000.00		\$ 1,000.00 *
Advisory Sign	43.00	EA	@	\$ \$100	= \$ 4,300.00		\$ 4,300.00 *
Guide/Street Name Sign	20.00	EA	@	\$ \$300	= \$ 6,000.00		\$ 6,000.00 *
Epoxy Pavement Marking		SF	@	\$ \$12	= \$		\$ - *
Thermoplastic Pavement Marking (Round-about markings)		SF	@	\$ \$22	= \$		\$ - *
Barricade - Type 3	2.00	EA	@	\$ \$115	= \$ 230.00		\$ 230.00 *
Delineator (Type I)		EA	@	\$ \$21	= \$		\$ - *
Curb and Gutter, Type A	1,676.00	LF	@	\$ \$21	= \$ 35,196.00		\$ 35,196.00
Curb and Gutter, Type C (Ramp)	396.00	LF	@	\$ \$21	= \$ 8,316.00		\$ 8,316.00 *
Curb and Gutter, Type E Modified (4" mountable island)		LF	@	\$ \$13	= \$		\$ - *
Curb and Gutter, Type B (Round-about entry medians)		LF	@	\$ \$13	= \$		\$ - *
Pedestrian Ramp	138.00	SY	@	\$ \$108	= \$ 14,904.00		\$ 14,904.00 *
Cross Pan	272.00	SY	@	\$ \$53	= \$ 14,416.00		\$ 14,416.00 *
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	1,165.00	LF	@	\$	\$100	=	\$	116,500.00	\$	116,500.00	*
Concrete Sidewalk (5" thickness)	2,987.00	SY	@	\$	\$58	=	\$	173,246.00	\$	173,246.00	
<b>- Storm Drain Improvements</b>											
Concrete Box Culvert (M Standard), Size Dual ( 10 x 4 )		LF	@	\$		=	\$		\$	-	*
Reinforced Concrete Pipe (RCP)                      Size		LF	@	\$		=	\$		\$	-	*
18" Reinforced Concrete Pipe	215.00	LF	@	\$	\$69	=	\$	14,835.00	\$	14,835.00	*
24" Reinforced Concrete Pipe	882.00	LF	@	\$	\$84	=	\$	74,088.00	\$	74,088.00	*
30" Reinforced Concrete Pipe	12.00	LF	@	\$	\$94	=	\$	1,128.00	\$	1,128.00	*
36" Reinforced Concrete Pipe		LF	@	\$	\$124	=	\$		\$	-	*
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$		\$	-	*
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) 18"                      †	2.00	EA	@	\$	414	=	\$	828.00	\$	828.00	*
Flared End Section (FES) 24"		EA	@	\$	504	=	\$		\$	-	*
Flared End Section (FES) 30"	1.00	EA	@	\$	564	=	\$	564.00	\$	564.00	*
Flared End Section (FES) 36"		EA	@	\$	744	=	\$		\$	-	*
Flared End Section (FES) 48"		EA	@	\$	1,068	=	\$		\$	-	*
Flared End Section (FES) CSP                      †		EA	@	\$		=	\$		\$	-	*
End Treatment- Headwall		EA	@	\$	4,000	=	\$		\$	-	*
End Treatment- Wingwall		EA	@	\$	10,000	=	\$		\$	-	*
End Treatment - Cutoff Wall		EA	@	\$	3,000	=	\$		\$	-	*
Curb Inlet (Type R) L=5', Depth < 5 feet	2.00	EA	@	\$	\$3,791	=	\$	7,582.00	\$	7,582.00	*
Curb Inlet (Type R) L=4', 5'-10' Depth		EA	@	\$	\$5,300	=	\$		\$	-	*
Curb Inlet (Type R) L =6' , 5'-10' Depth		EA	@	\$	\$6,000	=	\$		\$	-	*
Curb Inlet (Type R) L =8', 5'-10' Depth		EA	@	\$	\$7,000	=	\$		\$	-	*
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$	\$7,500	=	\$		\$	-	*
Curb Inlet (Type R) L =12' , 5'-10' Depth		EA	@	\$	\$8,300	=	\$		\$	-	*
Curb Inlet (Type R) L =15' , Depth < 5 feet	1.00	EA	@	\$	\$7,923	=	\$	7,923.00	\$	7,923.00	*
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		EA	@	\$	\$8,592	=	\$		\$	-	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	6.00	EA	@	\$	\$4,575	=	\$	27,450.00	\$	27,450.00	*
Geotextile (Erosion Control)      Roadside ditches		SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap,    d50 Size from 6" to 24"		CY	@	\$	\$98	=	\$		\$	-	*
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 Stabilization (40' wide utility crossing)		SY	@	\$ 3	=	\$	\$ -	*
Detention Outlet Structure		EA	@	\$ 8,000	=	\$	\$ -	*
Detention Emergency Spillway		EA	@	\$ 1,000	=	\$	\$ -	*
Permanent Water Quality Facility (SAND FILTER BASIN)		EA	@	\$ 18,000	=	\$	\$ -	*
<b>DETENTION POND IMPROVEMENTS</b>								
Detention Outlet Structure w/ Micropool	1.00	EA	@	\$ 15,000	=	\$ 15,000.00	\$ 15,000.00	*
Detention Emergency Spillway	2.00	EA	@	\$ 4,000	=	\$ 8,000.00	\$ 8,000.00	*
Concrete Forbay w/ Headwall	2.00	EA	@	\$ 18,000	=	\$ 36,000.00	\$ 36,000.00	*
Concrete Trickle Channel	134.00	LF	@	\$ 40	=	\$ 5,360.00	\$ 5,360.00	*
Rip-Rap, d50 Size from 6" to 24"	90.00	CY	@	\$ 98	=	\$ 8,820.00	\$ 8,820.00	*
Flared End Section (FES) 18" +	1.00	EA	@	\$ 414	=	\$ 414.00	\$ 414.00	*
18" Reinforced Concrete Pipe	90.00	LF	@	\$ \$69	=	\$ 6,210.00	\$ 6,210.00	*
Storm Sewer Manhole, Box Base, Depth < 15 feet	1.00	EA	@	\$ \$8,592	=	\$ 8,592.00	\$ 8,592.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	1.00	EA	@	\$ \$4,575	=	\$ 4,575.00	\$ 4,575.00	*
* 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. + For flared end sections, multiply pipe LF cost by 6								
Section 2 Subtotal					=	\$ 727,509.00	727,509.00	**

Section 3 - Common Development Improvements (Private or District)***				Quantity	Units		Price		% Complete	Remaining	
<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)					@	\$	=	\$		\$ -	
					@	\$	=	\$		\$ -	
					@	\$	=	\$		\$ -	
Aggregate Base Course (Locals roads)				1,176.00	Tons	@	\$ \$18	=	\$ 21,168.00	\$ 21,168.00 *	
Asphalt Pavement (Local roads)				850.00	Tons	@	\$ \$65	=	\$ 55,250.00	\$ 55,250.00 *	
Curb and Gutter, Type A				796.00	LF	@	\$ \$21	=	\$ 16,716.00	\$ 16,716.00	
Curb and Gutter, Type C (Ramp)				1,315.00	LF	@	\$ \$21	=	\$ 27,615.00	\$ 27,615.00 *	
68	Cross Pan				68.00	SY	@	\$ \$53	=	\$ 3,604.00	\$ 3,604.00 *
<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"				2,383.00	LF	@	\$ \$94	=	\$ 224,002.00	\$ 224,002.00	
Water Main Pipe (PVC), Size 12"					LF	@	\$ \$140	=	\$	\$ -	
Water Main Pipe (Ductile Iron), Size 8"					LF	@	\$ \$137	=	\$	\$ -	
Gate Valves, 8"				23.00	EA	@	\$ \$1,852	=	\$ 42,596.00	\$ 42,596.00	
Gate Valves, 12"				6.00	EA	@	\$ \$2,001	=	\$ 12,006.00	\$ 12,006.00	
Fire Hydrant Assembly w/ all valves				5.00	EA	@	\$ \$6,430	=	\$ 32,150.00	\$ 32,150.00	
Water Service Line Installation, including tap and valves				62.00	EA	@	\$ 1,253	=	\$ 77,686.00	\$ 77,686.00	
Fire Cistern Installation, complete					EA	@	\$	=	\$	\$ -	
<u>- Sanitary Sewer Improvements</u>											
Sewer Main Pipe (PVC), Size 8"				1,875.00	LF	@	\$ \$94	=	\$ 176,250.00	\$ 176,250.00	
Sanitary Sewer Manhole, Depth < 15 feet				10.00	EA	@	\$ \$4,575	=	\$ 45,750.00	\$ 45,750.00	
Sanitary Service Line Installation, complete				61.00	EA	@	\$ 1,516	=	\$ 92,476.00	\$ 92,476.00	
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	@	\$	=	\$	\$ -	
					EA	@	\$	=	\$	\$ -	
***items in this section are not subject to defect warranty financial assurance											
Section 3 Subtotal							=	\$ 827,269.00		827,269.00	

<b>Financial Assurance Totals</b>		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$2,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$1,583,913.00</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>1,583,913.00</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$145,501.80</b>
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)	

<b>Approvals</b>	
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
Approved by El Paso Couny Engineer / ECM Administrator	Date