

## Financial Assurance

3/17/2015

## Estimate Form (with pre-plat construction)

Project Information	
Hudson Minor Subdivision (4 lots)	9/25/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		% Complete	Remaining
Earthwork*	3,950.00	CY	@	\$ 5	=	\$ 19,750.00	\$ 19,750.00 *
Permanent Seeding*	0.50	AC	@	\$ 582	=	\$ 291.00	\$ 291.00 *
Mulching*	0.50	AC	@	\$ 507	=	\$ 253.50	\$ 253.50 *
Permanent Erosion Control Blanket*	1,160.00	SY	@	\$ 6	=	\$ 6,960.00	\$ 6,960.00 *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$	\$ -
Vehicle Tracking Control	1.00	EA	@	\$ 1,625	=	\$ 1,625.00	\$ 1,625.00
Safety Fence		LF	@	\$ 3	=	\$	\$ -
Silt Fence	1,000.00	LF	@	\$ 4	=	\$ 4,000.00	\$ 4,000.00
Temporary Seeding		AC	@	\$ 485	=	\$	\$ -
Temporary Mulch		AC	@	\$ 507	=	\$	\$ -
Erosion Bales	12.00	EA	@	\$ 21	=	\$ 252.00	\$ 252.00
Erosion Logs		LF	@	\$ 6	=	\$	\$ -
Rock Ditch Checks		EA	@	\$	=	\$	\$ -
Inlet Protection	1.00	EA	@	\$ 153	=	\$ 153.00	\$ 153.00
Sediment Basin		EA	@	\$ 1,625	=	\$	\$ -
Concrete Washout Basin		EA	@	\$ 776	=	\$	\$ -
		@	\$	=	\$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.							
<b>Section 1 Subtotal</b>					=	\$ 33,284.50	\$ 33,284.50

Section 2 - Public Improvements**	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
Construction Traffic Control		LS	@	\$	=	\$	\$ - *
Aggregate Base Course	660.00	Tons	@	\$ 18	=	\$ 11,880.00	\$ 11,880.00 *
Asphalt Pavement		Tons	@	\$ 65	=	\$	\$ - *
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		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)		LF	@	\$ 21	=	\$	\$ - *
Curb and Gutter, Type A (6" Vertical)		LF	@	\$ 16	=	\$	\$ - *
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$	\$ - *
Pedestrian Ramp		SY	@	\$ 108	=	\$	\$ - *

Cross Pan		SY	@	\$	\$53	=	\$		\$	-	*
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	=	\$		\$	-	*
<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		LF	@	\$	\$69	=	\$		\$	-	*
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$		\$	-	*
30" Reinforced Concrete Pipe	62.00	LF	@	\$	\$94	=	\$	5,828.00	\$	5,828.00	*
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	=	\$		\$	-	*
High Density Polyethylene (HDPE) Pipe Size		LF	@	\$		=	\$		\$	-	*
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 30"	2.00	EA	@	\$	564	=	\$	1,128.00	\$	1,128.00	*
Flared End Section (FES) HDPE		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		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		EA	@	\$	\$8,592	=	\$		\$	-	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$	\$4,575	=	\$		\$	-	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"	7.00	CY	@	\$	\$98	=	\$	686.00	\$	686.00	*
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	@	\$	=	\$		\$ - *
* specified items subject to defect warranty financial assurance. 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			=	19,522.00		19,522.00 **
					=	\$		

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)			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
<b>- Water System Improvements</b>								
Water Main Pipe (PVC), Size 8"		LF	@	\$ \$94	=	\$		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$		\$ -
Gate Valves, 8"		EA	@	\$ \$1,852	=	\$		\$ -
Fire Hydrant Assembly w/ all valves		EA	@	\$ \$6,430	=	\$		\$ -
Water Service Line Installation, including tap and valves		EA	@	\$ 1,253	=	\$		\$ -
Fire Cistern Installation, complete		EA	@	\$	=	\$		\$ -
<b>- Sanitary Sewer Improvements</b>								
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ \$94	=	\$		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	\$ \$4,575	=	\$		\$ -
Sanitary Service Line Installation, complete		EA	@	\$ 1,516	=	\$		\$ -
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	@	\$	=	\$		
		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
***items in this section are not subject to defect warranty financial assurance								
				<b>Section 3 Subtotal</b>	=	\$		

**Financial Assurance Totals**

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

\$ 1,000

( Inc. survey to verify detention pond volumes.)

**Total Construction Financial Assurance** **\$53,806.50**

(Sum of all section subtotals)

**Total Remaining Construction Financial Assurance** **53,806.50**

(Sum of all section totals less credit for items complete)

**Total Defect Warranty Financial Assurance** **\$9,355.30**

(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

Date

9/27/18

Approved by Owner / Applicant

Date

9/27/18

Approved by El Paso County Engineer / ECM Administrator

Date

