

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

3/17/2015

<b>Project Information</b>	
<b>Hudson Minor Subdivision (4 lots)</b>	<b>7/20/2018</b>
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		LF @	\$ 4	\$	\$ -
Temporary Seeding		AC @	\$ 485	\$	\$ -
Temporary Mulch		AC @	\$ 507	\$	\$ -
Erosion Bales		EA @	\$ 21	\$	\$ -
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>				\$ 29,032.50	\$ 29,032.50

Provide length for the silt fence

Add quantity of bales

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		50.00	LF	@	\$	\$94	=	\$	4,700.00	\$	4,700.00	*
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	=	\$		\$	-	*

Revise length.  
Culvert OA1  
indicates 62 ft.

50.00

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					=					
				<b>Section 2 Subtotal</b>	=	18,394.00			18,394.00	**
					=	\$				

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		<b>% Complete</b>	<b>Remaining</b>
<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>		=	\$

Provide quantity for as-built drawings.

<b>Financial Assurance Totals</b>	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) ( Inc. survey to verify detention pond volumes.)	\$
<b>Total Construction Financial Assurance</b>	<b>\$47,426.50</b>
(Sum of all section subtotals)	
<b>Total Remaining Construction Financial Assurance</b>	<b>47,426.50</b>
(Sum of all section totals less credit for items complete)	
<b>Total Defect Warranty Financial Assurance</b>	<b>\$9,129.70</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  <div style="text-align: center;">(P.E. Seal)</div>	Date
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date

# Markup Summary

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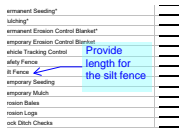
## Daniel Torres (3)

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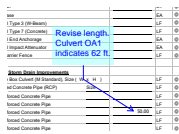
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Add quantity of bales



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**Date:** 8/7/2018 1:01:34 PM  
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Provide length for the silt fence



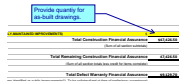
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Revise length. Culvert OA1 indicates 62 ft.

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## dsdlaforce (1)

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**Author:** dsdlaforce  
**Date:** 8/7/2018 6:19:43 PM  
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Provide quantity for as-built drawings.