

Update the FAE with  
any changes to the  
site design.

Add PCD File #

## 2015 Financial Assurance

06/22/2018

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

#### Project Information

7340 Utah Lane

5/13/2019

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	100.00	CY	@ \$ 5	= \$ 500.00		\$ 500.00 *
Permanent Seeding*	0.10	AC	@ \$ 582	= \$ 58.20		\$ 58.20 *
Mulching*	0.10	AC	@ \$ 507	= \$ 50.70		\$ 50.70 *
Permanent Erosion Control Blanket*		SY	@ \$ 6	= \$		\$ - *
Temporary Erosion Control Blanket		SY	@ \$ 3	= \$		\$ -
Vehicle Tracking Control		EA	@ \$ 1,625	= \$		\$ -
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		EA	@ \$ 153	= \$		\$ -
Sediment Basin		EA	@ \$ 4,000	= \$		\$ -
Concrete Washout Basin		EA	@ \$ 776	= \$		\$ -
		@ \$	= \$			\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to final acceptance process.						
Section 1 Subtotal				= \$ 608.90		\$ 608.90

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS	@ \$ 5,000	= \$		\$ - *
Aggregate Base Course, 6" thick		Tons	@ \$ 18	= \$		\$ - *
Asphalt Pavement, 5" thick		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	@ \$ 200	= \$		\$ - *
Epoxy Pavement Marking		SF	@ \$ 12	= \$		\$ - *
Thermoplastic Pavement Marking		SF	@ \$ 22	= \$		\$ - *
Barricade - Type F		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)		LF	@	\$	90	=	\$		\$	-	*
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$		\$	-	*
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$		\$	-	*
30" Reinforced Concrete Pipe		LF	@	\$	\$94	=	\$		\$	-	*
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) RCP	+	EA	@	\$	800	=	\$		\$	-	*
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 = 30' , 5' - 10' Depth		EA	@	\$	10,000	=	\$		\$	-	*
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	@	\$	\$20	=	\$		\$	-	*
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 Lining, Other Stabilization		SY	@	\$ 3	=	\$		\$ - *
Detention Outlet Structure		EA	@	\$ 4,000	=	\$		\$ - *
Detention Emergency Spillway		EA	@	\$ 15,000	=	\$		\$ - *
Permanent Water Quality Facility (Describe)	2.00	EA	@	\$ 3,000	=	\$ 6,000.00		\$ 6,000.00 *
POROUS LANDSCAPE WQ POND								
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to final acceptance process. † For flared end sections, multiply pipe LF cost by 6								
				Section 2 Subtotal		\$ 6,000.00		\$ 6,000.00 **



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 - 5" THICK		SY	\$ \$58	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<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)		LF	@ \$ 15	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
8" STM PIPE	370.00	LF	@ \$ 15	=	\$ 5,550.00	\$ 5,550.00
INLETS	6.00	EA	@ \$ 300	=	\$ 1,800.00	\$ 1,800.00
		@	\$	=	\$	\$ -
<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	=	\$	\$ -
Watermain crossing Marksheffel Road		EA	@ \$ \$120,000	=	\$	\$ -
<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	=	\$	\$ -
Underdrain		LF	@ \$ 10	=	\$	\$ -
<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	@ \$ 35,000	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal				=	\$ 7,350.00	7,350.00


<b>Financial Assurance Totals</b>		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$6,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$19,958.90</b>
(Sum of all section subtotals)		
	<b>Total Remaining Construction Financial Assurance</b>	<b>19,958.90</b>
(Sum of all section totals less credit for items complete)		
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$1,321.78</b>
(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

5/14/19

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

# Markup Summary

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6/25/2019 4:40:44 PM (1)

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 Add PCD File #	<b>Subject:</b> PCD File # <b>Page Label:</b> 1 <b>Author:</b> Lindsay Darden <b>Date:</b> 6/25/2019 4:40:44 PM <b>Color:</b> 	Add PCD File #
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6/3/2019 11:24:56 AM (1)

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