

2015 Financial Assurance Estimate Form

3/17/2015



Project Information

Forest Lakes Filing No. 28

8/10/2016

Project Name

Date

Section 1 - Grading and Erosion Control BMPs

	Quantity	Units	Price	% Complete	Remaining
Earthwork*	50,500.00	CY	@ \$ 5 = \$ 252,500.00		\$ 252,500.00 *
Permanent Seeding*	24.56	AC	@ \$ 582 = \$ 14,293.92		\$ 14,293.92 *
Mulching*	24.56	AC	@ \$ 507 = \$ 12,451.92		\$ 12,451.92 *
Permanent Erosion Control Blanket*		SY	@ \$ 6 = \$ -		\$ - *
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	1,990.00	LF	@ \$ 4 = \$ 7,960.00		\$ 7,960.00
Temporary Seeding		AC	@ \$ 485 = \$ -		\$ -
Temporary Mulch		AC	@ \$ 507 = \$ -		\$ -
Erosion Bales	9.00	EA	@ \$ 21 = \$ 189.00		\$ 189.00
Erosion Logs		LF	@ \$ 6 = \$ -		\$ -
Rock Ditch Checks		EA	@ \$ - = \$ -		\$ -
Inlet Protection	9.00	EA	@ \$ 153 = \$ 1,377.00		\$ 1,377.00
Temporary Sediment Basin		EA	@ \$ 1,625 = \$ -		\$ -
Concrete Washout Basin	1.00	EA	@ \$ 776 = \$ 776.00		\$ 776.00
		@	\$ - = \$ -		\$ -
Section 1 Subtotal =				\$ 291,172.84	\$ 291,172.84

* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.

Section 2 - Public Improvements**

	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS	@ \$ - = \$ -		\$ - *
Aggregate Base Course	7,935.00	Tons	@ \$ 18 = \$ 142,830.00		\$ 142,830.00 *
Asphalt Pavement	3,212.00	Tons	@ \$ 65 = \$ 208,780.00		\$ 208,780.00 *
Raised Median, Paved		SF	@ \$ 7 = \$ -		\$ - *
Electrical Conduit, Size =		LF	@ \$ 14 = \$ -		\$ - *
Traffic Signal, complete intersection		EA	@ \$ 250,000 = \$ -		\$ - *
Regulatory Sign	4.00	EA	@ \$ 100 = \$ 400.00		\$ 400.00 *
Advisory Sign		EA	@ \$ 100 = \$ -		\$ - *
Guide/Street Name Sign	3.00	EA	@ \$ 300 = \$ 900.00		\$ 900.00 *
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)	3,195.00	LF	@ \$ 21 = \$ 67,095.00		\$ 67,095.00 *
Curb and Gutter, Type A (6" Vertical)	1,620.00	LF	@ \$ 16 = \$ 25,920.00		\$ 25,920.00 *
Curb and Gutter, Type B (Median)	230.00	LF	@ \$ 13 = \$ 2,990.00		\$ 2,990.00 *
Pedestrian Ramp	87.75	SY	@ \$ 108 = \$ 9,477.00		\$ 9,477.00 *

Cross Pan	25.00	SY	@	\$	\$53	=	\$	1,325.00	\$	1,325.00	*
Concrete Sidewalk	3,239.00	SY	@	\$	\$38	=	\$	123,082.00	\$	123,082.00	*
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	@	\$	\$3,584	=	\$		\$	-	*
Sound Barrier Fence		LF	@	\$	\$100	=	\$		\$	-	*

- Storm Drain Improvements

Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$		=	\$		\$	-	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$		\$	-	*
18" Reinforced Concrete Pipe	74.00	LF	@	\$	\$89	=	\$	5,106.00	\$	5,106.00	*
24" Reinforced Concrete Pipe	127.00	LF	@	\$	\$84	=	\$	10,668.00	\$	10,668.00	*
30" Reinforced Concrete Pipe	498.00	LF	@	\$	\$94	=	\$	46,812.00	\$	46,812.00	*
36" Reinforced Concrete Pipe	57.00	LF	@	\$	\$124	=	\$	7,068.00	\$	7,068.00	*
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$		\$	-	*
48" Reinforced Concrete Pipe	840.00	LF	@	\$	\$178	=	\$	149,520.00	\$	149,520.00	*
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 †	1.00	EA	@	\$	2,200	=	\$	2,200.00	\$	2,200.00	*
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	1.00	EA	@	\$	\$3,791	=	\$	3,791.00	\$	3,791.00	*
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	3.00	EA	@	\$	\$5,528	=	\$	16,584.00	\$	16,584.00	*
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	1.00	EA	@	\$	\$3,270	=	\$	3,270.00	\$	3,270.00	*
Grated Inlet (Type D), < 5' deep		EA	@	\$	\$3,908	=	\$		\$	-	*
Storm Sewer Manhole, Box Base, Depth < 15 feet	3.00	EA	@	\$	\$8,592	=	\$	25,776.00	\$	25,776.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$	\$4,575	=	\$		\$	-	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	-	*

Rip Rap, d50 Size from 6" to 24"	20.00	CY	@	\$ 98	=	\$ 1,960.00	\$ 1,960.00 *
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	@	\$ 17,500	=	\$ -	\$ - *
Detention Emergency Spillway		EA	@	\$ 4,000	=	\$ -	\$ - *
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 = \$ 855,554.00 855,554.00 **

Section 3 - Common Development Improvements (Private or District)***

- Roadway Improvements
 (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)

Quantity	Units	Price	% Complete	Remaining
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____

- Storm Drain Improvements
 (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)

_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____
_____	@	\$ _____ = \$ _____		\$ _____

- Water System Improvements

Water Main Pipe (PVC), Size 8"
 Water Main Pipe (Ductile Iron), Size 8"
 Gate Valves, 8"
 Fire Hydrant Assembly w/ all valves
 Water Service Line Installation, including tap and valves
 Fire Cistern Installation, complete

2,291.00	LF	@ \$ 94 = \$ 215,354.00		\$ 215,354.00
_____	LF	@ \$ 137 = \$ _____		\$ _____
8.00	EA	@ \$ 1,852 = \$ 14,816.00		\$ 14,816.00
5.00	EA	@ \$ 6,430 = \$ 32,150.00		\$ 32,150.00
87.00	EA	@ \$ 1,253 = \$ 109,011.00		\$ 109,011.00
_____	EA	@ \$ _____ = \$ _____		\$ _____

- Sanitary Sewer Improvements

Sewer Main Pipe (PVC), Size 8"
 Sanitary Sewer Manhole, Depth < 15 feet
 Sanitary Service Line Installation, complete
 Sanitary Sewer Lift Station, complete

1,860.00	LF	@ \$ 94 = \$ 174,840.00		\$ 174,840.00
7.00	EA	@ \$ 4,575 = \$ 32,025.00		\$ 32,025.00
87.00	EA	@ \$ 1,516 = \$ 131,892.00		\$ 131,892.00
_____	EA	@ \$ _____ = \$ _____		\$ _____

- Landscaping (If Applicable)
 (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

Section 3 Subtotal = \$ 710,088.00 710,088.00

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	\$ <u>\$4,800</u>
Total Construction Financial Assurance	<u>\$1,861,614.84</u>
(Sum of all section subtotals)	
Total Remaining Construction Financial Assurance	<u>1,861,614.84</u>
(Sum of all section totals less credit for items complete)	
Total Defect Warranty Financial Assurance	<u>\$226,959.97</u>
(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.

 <p><i>Kyle Brackman</i> Engineer (P.E. Seal)</p>	<p style="font-size: 2em; font-weight: bold;">8-31-17</p> <p>Date</p>
<p><i>[Signature]</i></p> <p>Approved by Owner / Applicant</p>	<p style="font-size: 1.5em; font-weight: bold;">8-31-17</p> <p>Date</p>
<p><i>[Signature]</i></p> <p>Approved by El Paso County Engineer / ECM Administrator</p>	<p style="font-size: 1.5em; font-weight: bold;">10 SEPT 2017</p> <p>Date</p>