

2015 Financial Assurance Estimate Form (with pre-plat construction)

Project Information	
Liberty Tree Academy	8/10/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	20,000.00	CY	@ \$ 5	= \$	100,000.00	\$ 100,000.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	1.60	AC	@ \$ 582	= \$	931.20	\$ 931.20 *
Mulching*	1.61	AC	@ \$ 507	= \$	816.27	\$ 816.27 *
Permanent Erosion Control Blanket*	438.00	SY	@ \$ 6	= \$	2,628.00	\$ 2,628.00 *
Temporary Erosion Control Blanket		SY	@ \$ 3	= \$		\$ -
Vehicle Tracking Control	1.00	EA	@ \$ 1,625	= \$	1,625.00	\$ 1,625.00
Safety Fence	626.00	LF	@ \$ 3	= \$	1,878.00	\$ 1,878.00
Silt Fence	1,856.00	LF	@ \$ 4	= \$	7,424.00	\$ 7,424.00
Temporary Seeding	1.00	AC	@ \$ 485	= \$	485.00	\$ 485.00
Temporary Mulch	1.00	AC	@ \$ 507	= \$	507.00	\$ 507.00
Erosion Bales		EA	@ \$ 21	= \$		\$ -
Erosion Logs	246.00	LF	@ \$ 6	= \$	1,476.00	\$ 1,476.00
Rock Ditch Checks	5.00	EA	@ \$	= \$		\$ -
Inlet Protection		EA	@ \$ 153	= \$		\$ -
Sediment Basin	1.00	EA	@ \$ 1,625	= \$	1,625.00	\$ 1,625.00
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				= \$	120,171.47	\$ 120,171.47

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control	1.00	LS	@ \$ 5,000	= \$	5,000.00	\$ 5,000.00 *
Aggregate Base Course		Tons	@ \$ 18	= \$		\$ - *
Asphalt Pavement	1,710.00	Tons	@ \$ 65	= \$	111,150.00	\$ 111,150.00 *
Raised Median, Paved		SF	@ \$ 7	= \$		\$ - *
Electrical Conduit, Size =		LF	@ \$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA	@ \$ 250,000	= \$		\$ - *
Regulatory Sign	7.00	EA	@ \$ 100	= \$	700.00	\$ 700.00 *
Advisory Sign		EA	@ \$ 100	= \$		\$ - *
Guide/Street Name Sign	2.00	EA	@ \$	= \$		\$ - *
Epoxy Pavement Marking	1,025.00	SF	@ \$ 12	= \$	12,300.00	\$ 12,300.00 *
Thermoplastic Pavement Marking	32.00	SF	@ \$ 22	= \$	704.00	\$ 704.00 *
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)	1,183.00	LF	@ \$ 16	= \$	18,928.00	\$ 18,928.00 *
Curb and Gutter, Type B (Median)	1,392.00	LF	@ \$ 13	= \$	18,096.00	\$ 18,096.00 *
Pedestrian Ramp	85.00	SY	@ \$ 108	= \$	9,180.00	\$ 9,180.00 *

Cross Pan	209.00	SY	@	\$ 53	=	\$ 11,077.00		\$ 11,077.00	*
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		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	136.00	LF	@	\$ 69	=	\$ 9,384.00		\$ 9,384.00	*
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 †	1.00	EA	@	\$ 350	=	\$ 350.00		\$ 350.00	*
Flared End Section (FES) CSP †		EA	@	\$	=	\$		\$ -	*
End Treatment- Headwall		EA	@	\$	=	\$		\$ -	*
End Treatment- Wingwall		EA	@	\$	=	\$		\$ -	*
End Treatment - Cutoff Wall	1.00	EA	@	\$ 3,500	=	\$ 3,500.00		\$ 3,500.00	*
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)	275.00	SY	@	\$ 5	=	\$ 1,375.00		\$ 1,375.00	*

Rip Rap, d50 Size from 6" to 24"	135.00	CY	@	\$ 98	=	\$ 13,230.00	\$ 13,230.00	*
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	1.00	EA	@	\$ 7,500	=	\$ 7,500.00	\$ 7,500.00	*
Detention Emergency Spillway	1.00	EA	@	\$ 25,000	=	\$ 25,000.00	\$ 25,000.00	*
Permanent Water Quality Facility (Describe)	1.00	EA	@	\$ 10,000	=	\$ 10,000.00	\$ 10,000.00	*
* 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					=	\$ 257,474.00	\$ 257,474.00	**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price			% Complete	Remaining
- Roadway Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
Concrete Sidewalk	220.00	SY	@	\$ 38	=	\$ 8,360.00	\$ 8,360.00	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
- 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"	1,200.00	LF	@	\$ 94	=	\$ 112,800.00	\$ 112,800.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$	\$ -	
Gate Valves, 8"	12.00	EA	@	\$ 1,852	=	\$ 22,224.00	\$ 22,224.00	
Fire Hydrant Assembly w/ all valves	3.00	EA	@	\$ 6,430	=	\$ 19,290.00	\$ 19,290.00	
Water Service Line Installation, including tap and valves	134.00	EA	@	\$ 1,253	=	\$ 167,902.00	\$ 167,902.00	
Fire Cistern Installation, complete		EA	@	\$	=	\$	\$ -	
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"	176.00	LF	@	\$ 94	=	\$ 16,544.00	\$ 16,544.00	
Sanitary Sewer Manhole, Depth < 15 feet	1.00	EA	@	\$ 4,575	=	\$ 4,575.00	\$ 4,575.00	
Sanitary Service Line Installation, complete	1.00	EA	@	\$ 1,516	=	\$ 1,516.00	\$ 1,516.00	
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$	\$ -	
- Landscaping (If Applicable)								
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)	1.00	EA	@	\$ 35,000	=	\$ 35,000.00	\$ 35,000.00	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
***items in this section are not subject to defect warranty financial assurance								
Section 3 Subtotal					=	\$ 388,211.00	\$ 388,211.00	

Financial Assurance Totals

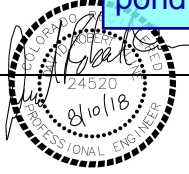
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance <u>\$765,856.47</u>
	(Sum of all section subtotals)
	Total Remaining Construction Financial Assurance <u>765,856.47</u>
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Financial Assurance <u>\$72,369.89</u>
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)

After the construction the design engineer will need to submit a pond certification letter. Therefore include a cost for survey work to verify detention pond volumes.

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

8/10/2018

Approved by Owner / Applicant

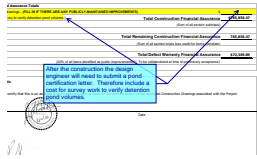
Date

Approved by El Paso County Engineer / ECM Administrator

Date

Markup Summary

dsdlaforce (1)



Subject: Callout
Page Label: 4
Author: dsdlaforce
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After the construction the design engineer will need to submit a pond certification letter. Therefore include a cost for survey work to verify detention pond volumes.