

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

<b>Project Information</b>	
<b>Liberty Tree Academy</b>	<b>8/25/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	13,200.00	CY	@ \$ 5	= \$ 66,000.00	\$ 66,000.00 *
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.					
<b>Section 1 Subtotal</b>				<b>\$ 86,171.47</b>	<b>\$ 86,171.47</b>

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
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	=	\$		\$	-	*
<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	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								=	257,474.00	257,474.00	**
<b>Section 2 Subtotal</b>								=	\$		

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	220.00	SY	@	\$	\$38	=	\$ 8,360.00	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
<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"	1,200.00	LF	@	\$	\$94	=	\$ 112,800.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$	\$137	=	\$ -	
Gate Valves, 8"	12.00	EA	@	\$	\$1,852	=	\$ 22,224.00	
Fire Hydrant Assembly w/ all valves	3.00	EA	@	\$	\$6,430	=	\$ 19,290.00	
Water Service Line Installation, including tap and valves	134.00	EA	@	\$	1,253	=	\$ 167,902.00	
Fire Cistem Installation, complete		EA	@	\$		=	\$ -	
<b>- Sanitary Sewer Improvements</b>								
Sewer Main Pipe (PVC), Size 8"	176.00	LF	@	\$	\$94	=	\$ 16,544.00	
Sanitary Sewer Manhole, Depth < 15 feet	1.00	EA	@	\$	\$4,575	=	\$ 4,575.00	
Sanitary Service Line Installation, complete	1.00	EA	@	\$	1,516	=	\$ 1,516.00	
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)	1.00	EA	@	\$	35,000	=	\$ 35,000.00	
		EA	@	\$		=	\$ -	
		EA	@	\$		=	\$ -	
		EA	@	\$		=	\$ -	
***Items in this section are not subject to defect warranty financial assurance								
<b>Section 3 Subtotal</b>						=	\$ 388,211.00	388,211.00

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 2,500
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance \$734,356.47</b>
	(Sum of all section subtotals)
	<b>Total Remaining Construction Financial Assurance 734,356.47</b>
	(Sum of all section totals less credit for items complete)
	<b>Total Defect Warranty Financial Assurance \$65,569.89</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.

*[Handwritten Signature]*

9/11/2018

Engineer

Date



*[Handwritten Signature]*

8/31/2018

Approved by Owner / Applicant

Date



Approved by El Paso County Engineer / ECM Administrator

Date