

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

Project Information	
Liberty Tree Academy	8/25/2018
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.					
Section 1 Subtotal				\$ 86,171.47	\$ 86,171.47

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								=	257,474.00	257,474.00	**
Section 2 Subtotal								=	\$		

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	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
- 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	
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	@	\$		=	\$ -	
- Sanitary Sewer Improvements								
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	@	\$		=	\$ -	
- 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	
		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

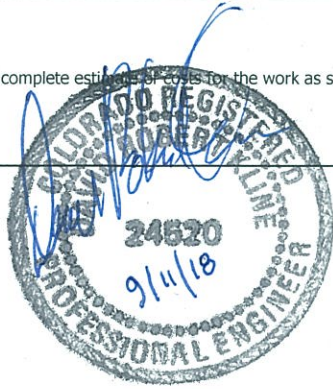
Financial Assurance Totals

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

[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