

2 on GEC  
Plan?

Provide for disturbed area minus  
permanent seeding qty.

Financial Assurance

3/17/2015

Estimate Form (with pre-plat construction)

Project Information	
Ellicott Town Center Flg. No. 1 (98 Lots; 9,609 LF)	8/24/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		% Complete	Remaining
Earthwork*	44,700.00	CY	@	\$ 5	=	\$ 223,500.00	\$ 223,500.00 *
Permanent Seeding*	20.00	AC	@	\$ 582	=	\$ 11,640.00	\$ 11,640.00 *
Mulching*	20.00	AC	@	\$ 507	=	\$ 10,140.00	\$ 10,140.00 *
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	4,300.00	LF	@	\$ 4	=	\$ 17,200.00	\$ 17,200.00
Temporary Seeding		AC	@	\$ 485	=	\$	\$ -
Temporary Mulch		AC	@	\$ 507	=	\$	\$ -
Erosion Bales		EA	@	\$ 21	=	\$	\$ -
Erosion Logs		LF	@	\$ 6	=	\$	\$ -
Rock Ditch Checks		EA	@	\$	=	\$	\$ -
Inlet Protection	12.00	EA	@	\$ 153	=	\$ 1,836.00	\$ 1,836.00
Sediment Basin	1.00	EA	@	\$ 1,625	=	\$ 1,625.00	\$ 1,625.00
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00	\$ 776.00
		@	\$	=	\$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.				Section 1 Subtotal		= \$ 268,342.00	\$ 268,342.00

Section 2 - Public Improvements**	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
Construction Traffic Control		LS	@	\$	=	\$	\$ - *
Aggregate Base Course	10,260.00	Tons	@	\$ 18	=	\$ 184,680.00	\$ 184,680.00 *
Asphalt Pavement	6,820.00	Tons	@	\$ 65	=	\$ 443,300.00	\$ 443,300.00 *
Raised Median, Paved		SF	@	\$ 7	=	\$	\$ - *
Electrical Conduit, Size =		LF	@	\$ 14	=	\$	\$ - *
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$	\$ - *
Regulatory Sign	10.00	EA	@	\$ 100	=	\$ 1,000.00	\$ 1,000.00 *
Advisory Sign	5.00	EA	@	\$ 100	=	\$ 500.00	\$ 500.00 *
Guide/Street Name Sign	10.00	EA	@	\$ 100	=	\$ 1,000.00	\$ 1,000.00 *
Epoxy Pavement Marking		SF	@	\$ 12	=	\$	\$ - *
Thermoplastic Pavement Marking		SF	@	\$ 22	=	\$	\$ - *
Barricade - Type 3	4.00	EA	@	\$ 115	=	\$ 460.00	\$ 460.00 *
Delineator (Type I)		EA	@	\$ 21	=	\$	\$ - *
Curb and Gutter, Type C (Ramp)		LF	@	\$ 21	=	\$	\$ - *
Curb and Gutter, Type A (6" Vertical)	17,160.00	LF	@	\$ 16	=	\$ 274,560.00	\$ 274,560.00 *
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$	\$ - *
Pedestrian Ramp	230.00	SY	@	\$ 108	=	\$ 24,840.00	\$ 24,840.00 *

Provide quantities in items with  
dots.

Cross Pan	50.00	SY	@	\$	\$53	=	\$	2,650.00	\$	2,650.00	*
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	265.00	LF	@	\$	\$69	=	\$	18,285.00	\$	18,285.00	*
24" Reinforced Concrete Pipe	982.00	LF	@	\$	\$84	=	\$	82,488.00	\$	82,488.00	*
30" Reinforced Concrete Pipe	278.00	LF	@	\$	\$94	=	\$	26,132.00	\$	26,132.00	*
36" Reinforced Concrete Pipe	590.00	LF	@	\$	\$124	=	\$	73,160.00	\$	73,160.00	*
42" Reinforced Concrete Pipe	488.00	LF	@	\$	\$134	=	\$	65,392.00	\$	65,392.00	*
48" Reinforced Concrete Pipe	428.00	LF	@	\$	\$178	=	\$	76,184.00	\$	76,184.00	*
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 - 18"	1.00	EA	@	\$	414	=	\$	414.00	\$	414.00	*
Flared End Section (FES) RCP - 30"	4.00	EA	@	\$	564	=	\$	2,256.00	\$	2,256.00	*
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	3.00	EA	@	\$	\$3,791	=	\$	11,373.00	\$	11,373.00	*
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	7.00	EA	@	\$	\$5,528	=	\$	38,696.00	\$	38,696.00	*
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		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	8.00	EA	@	\$	\$4,575	=	\$	36,600.00	\$	36,600.00	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"	15.00	CY	@	\$	\$98	=	\$	1,470.00	\$	1,470.00	*

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	@	\$	8,000	=	\$		\$	-	*
Detention Emergency Spillway		EA	@	\$	3,000	=	\$		\$	-	*
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						=					
							\$	1,365,440.00		1,365,440.00	**
				<b>Section 2 Subtotal</b>							

Add Highway 94 improvements as separate line items.

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		SY	@	\$ \$38	=	\$	-
Mailbox Pad	1.00	EA	@	\$ 1,500	=	\$ 1,500.00	\$ 1,500.00
Detention Pond Forebay	1.00	EA	@	\$ 4,000	=	\$ 4,000.00	\$ 4,000.00
Detention Outlet Structure	1.00	EA	@	\$ 8,000	=	\$ 8,000.00	\$ 8,000.00
Detention Emergency Spillway	1.00	EA	@	\$ 3,000	=	\$ 3,000.00	\$ 3,000.00
<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"	3,943.00	LF	@	\$ \$94	=	\$ 370,642.00	\$ 370,642.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$	-
Gate Valves, 8"	33.00	EA	@	\$ \$1,852	=	\$ 61,116.00	\$ 61,116.00
Fire Hydrant Assembly w/ all valves	9.00	EA	@	\$ \$6,430	=	\$ 57,870.00	\$ 57,870.00
Water Service Line Installation, including tap and valves	98.00	EA	@	\$ 1,253	=	\$ 122,794.00	\$ 122,794.00
Fire Cistern Installation, complete		EA	@	\$ \$65,000	=	\$	-
<b>- Sanitary Sewer Improvements</b>							
Sewer Main Pipe (PVC), Size 8"	7,361.00	LF	@	\$ \$94	=	\$ 691,934.00	\$ 691,934.00
Sanitary Sewer Manhole, Depth < 15 feet	30.00	EA	@	\$ \$4,575	=	\$ 137,250.00	\$ 137,250.00
Sanitary Service Line Installation, complete	98.00	EA	@	\$ 1,516	=	\$ 148,568.00	\$ 148,568.00
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)		EA	@	\$	=	\$	-
		EA	@	\$	=	\$	-
		EA	@	\$	=	\$	-
		EA	@	\$	=	\$	-
		EA	@	\$	=	\$	-
***items in this section are not subject to defect warranty financial assurance							
<b>Section 3 Subtotal</b>					=	\$ 1,606,674.00	1,606,674.00

Is this adequate?

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

\$ \$2,000

( Inc. survey to verify detention pond volumes.)

**Total Construction Financial Assurance** \$3,242,456.00

(Sum of all section subtotals)

**Total Remaining Construction Financial Assurance** 3,242,456.00

(Sum of all section totals less credit for items complete)

**Total Defect Warranty Financial Assurance** \$322,144.00

(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

Date

(P.E. Seal)

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date