2015 Financial Assurance

11/14/18

Estimate Form (with pre-plat construction)

Project Information

Gleneagle Residential Infill Development Fil No. 2	**2/14/2019**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	**Quantity**	**Units**		**Price**			**% Complete**	**Remaining**	
Earthwork*	2,000.00	CY	@	$ $5	=	$ 10,000.00		$ 10,000.00	*
Permanent Seeding* (inc. noxious weed mgmnt.)	6.79	AC	@	$ $582	=	$ 3,951.78		$ 3,951.78	*
Mulching*	6.79	AC	@	$ $507	=	$ 3,442.53		$ 3,442.53	*
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	4,050.00	LF	@	$ $4	=	$ 16,200.00		$ 16,200.00	
Temporary Seeding	5.00	AC	@	$ $485	=	$ 2,425.00		$ 2,425.00	
Temporary Mulch	5.00	AC	@	$ $507	=	$ 2,535.00		$ 2,535.00	
Erosion Bales	28.00	EA	@	$ $21	=	$ 588.00		$ 588.00	
Erosion Logs		LF	@	$ $6	=	$		$ -	
Rock Ditch Checks		EA	@	$	=	$		$ -	
Inlet Protection 3 Inlets	1.00	EA	@	$ $153	=	$ 153.00		$ 153.00	
Sediment Basin	1.00	EA	@	$ $1,625	=	$ 1,625.00		$ 1,625.00	
Concrete Washout Basin	1.00	EA	@	$ $776	=	$ 776.00		$ 776.00	
			@	$	=	$		$ -	
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process.									
				Section 1 Subtotal	=	$ 43,321.31		$ 43,321.31	

Section 2 - Public Improvements**	**Quantity**	**Units**		**Price**			**% Complete**	**Remaining**	
- Roadway Improvements									
Construction Traffic Control	1.00	LS	@	$	=	$		$ -	*
Aggregate Base Course	850.00	Tons	@	$ $18	=	$ 15,300.00		$ 15,300.00	*
Asphalt Pavement	487.00	Tons	@	$ $65	=	$ 31,655.00		$ 31,655.00	*
Raised Median, Paved		SF	@	$ $7	=	$		$ -	*
Electrical Conduit, Size =		LF	@	$ $14	=	$		$ -	*
Traffic Signal, complete intersection		EA	@	$ $250,000	=	$		$ -	*
Regulatory Sign	1.00	EA	@	$ $100	=	$ 100.00		$ 100.00	*
Advisory Sign		EA	@	$ $100	=	$		$ -	*
Guide/Street Name Sign	1.00	EA	@	$		$		$ -	*
Epoxy Pavement Marking		SF	@	$ $12	=	$		$ -	*
Thermoplastic Pavement Marking	192.00	SF	@	$ $22	=	$ 4,224.00		$ 4,224.00	*
Barricade - Type 3		EA	@	$ $115	=	$		$ -	*
Delineator (Type I)		EA	@	$ $21	=	$		$ -	*
Curb and Gutter, Type C (Ramp)	1,348.00	LF	@	$ $21	=	$ 28,308.00		$ 28,308.00	*
Curb and Gutter, Type A (6" Vertical)	20.00	LF	@	$ $16	=	$ 320.00		$ 320.00	*
Curb and Gutter, Type B (Median)		LF	@	$ $13	=	$		$ -	*
Concrete Sidewalk, 4" Sidewalk adjacent	6,280.00	SY	@	$3		$ 18,840.00		$ 18,840.00	*
Concrete Sidewalk, 5" to type c curb		SY	@	$48		$		$ -	*
Concrete Sidewalk, 6" requires 5"		SY	@	$57		$		$ -	*
Pedestrian Ramp thickness.	108.00	SY	@	$ $108	=	$ 11,664.00		$ 11,664.00	*

Cross Pan			SY	@	$	$53	=	$		$	-	*
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			LF	@	$	$69	=	$		$	-	*
24" Reinforced Concrete Pipe		200.00	LF	@	$	$84	=	$	16,800.00	$	16,800.00	*
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	24"	2.00	EA	@	$	$700	=	$	1,400.00	$	1,400.00	*
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			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	@	$		=	$		$	-	*
CDOT Inlet (Type13), < 5' deep		2.00	EA	@	$	$3,270	=	$	6,540.00	$	6,540.00	*
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		2.00	EA	@	$	$4,575	=	$	9,150.00	$	9,150.00	*
Geotextile (Erosion Control)			SY	@	$	$5	=	$		$	-	*
Rip Rap, d50 Size from 6" to 24"			CY	@	$	$98	=	$		$	-	*
Rip Rap, Grouted			CY	@	$	$215	=	$		$	-	*

Note comment on plans, add another type 2 Manhole to replace a bend

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	@	$	=	$		$ -	*
Detention Emergency Spillway		EA	@	$	=	$		$ -	*
Permanent Water Quality Facility (Describe)		EA	@	$	=	$		$ -	*
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. ┼ For flared end sections, multiply pipe LF cost by 6				**Section 2 Subtotal**	=	$ 144,301.00		144,301.00	**

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, 4" thick		SY	@	$ $38	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- Storm Drain Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
24" HDPE Pipe	486.00	LF		$75	=	$ 36,450.00		$ 36,450.00
Grated Inlet (Type C), < 5' deep	1.00	EA	@	$ $3,270	=	$ 3,270.00		$ 3,270.00
Flared End Section (FES) HDPE 24"	2.00	EA		500	=	$ 1,000.00		$ 1,000.00
Detention Outlet Structure	1.00	EA	@	$ 5,000	=	$ 5,000.00		$ 5,000.00
Detention Emergency Spillway	1.00	EA	@	$ 1,500	=	$ 1,500.00		$ 1,500.00
Rip Rap, d50 Size from 6" to 24"	17.00	CY	@	$ $98	=	$ 1,666.00		$ 1,666.00
- Water System Improvements								
Water Main Pipe (PVC), Size 8"	685.00	LF	@	$ $94	=	$ 64,390.00		$ 64,390.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	$ $137	=	$		$ -
Gate Valves, 8"	2.00	EA	@	$ $1,852	=	$ 3,704.00		$ 3,704.00
Fire Hydrant Assembly w/ all valves	1.00	EA	@	$ $6,430	=	$ 6,430.00		$ 6,430.00
Water Service Line Installation, including tap and valves	12.00	EA	@	$ 1,253	=	$ 15,036.00		$ 15,036.00
Fire Cistern Installation, complete		EA	@	$	=	$		$ -
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"	646.00	LF	@	$ $94	=	$ 60,724.00		$ 60,724.00
Sanitary Sewer Manhole, Depth < 15 feet	3.00	EA	@	$ $4,575	=	$ 13,725.00		$ 13,725.00
Sanitary Service Line Installation, complete	12.00	EA	@	$ 1,516	=	$ 18,192.00		$ 18,192.00
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)		EA	@	$	=	$		$ -
		EA	@	$	=	$		
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
***items in this section are not subject to defect warranty financial assurance				**Section 3 Subtotal**	=	$ 231,087.00		231,087.00

Financial Assurance Totals		
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**	$	$1,500
(Inc. survey to verify detention pond volumes.)	**Total Construction Financial Assurance**	**$420,209.31**
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	**420,209.31**
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	**$32,339.06**
	(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 (P.E. Seal)	Date
Approved by Owner / Applicant	Date
Approved by El Paso Couny Engineer / ECM Administrator	Date