

2015 Financial Assurance Estimate Form

(Basic form)

7/31/17

Project Information	
Gleneagle Residential Infill Development Fil #1, lots 23-44	7/31/2017
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	12,000.00	CY	@	\$ 5	=	\$ 60,000.00 *
Permanent Seeding*	11.30	AC	@	\$ 582	=	\$ 6,576.60 *
Mulching*	11.30	AC	@	\$ 507	=	\$ 5,729.10 *
Permanent Erosion Control Blanket*	950.00	SY	@	\$ 6	=	\$ 5,700.00 *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$
Vehicle Tracking Control	1.00	EA	@	\$ 1,625	=	\$ 1,625.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	4,303.00	LF	@	\$ 4	=	\$ 17,212.00
Temporary Seeding	7.00	AC	@	\$ 485	=	\$ 3,395.00
Temporary Mulch	7.00	AC	@	\$ 507	=	\$ 3,549.00
Erosion Bales	70.00	EA	@	\$ 21	=	\$ 1,470.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	1.00	EA	@	\$ 153	=	\$ 153.00
Sediment Basin	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Concrete Washout Basin	2.00	EA	@	\$ 776	=	\$ 1,552.00
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
						Section 1 Subtotal = \$ 110,211.70

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control	1.00	LS	@	\$ 4,000	=	\$ 4,000.00
Aggregate Base Course	2,015.00	Tons	@	\$ 18	=	\$ 36,270.00
Asphalt Pavement	810.00	Tons	@	\$ 65	=	\$ 52,650.00
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size =		LF	@	\$ 14	=	\$
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$
Regulatory Sign	2.00	EA	@	\$ 100	=	\$ 200.00
Advisory Sign		EA	@	\$ 100	=	\$
Guide/Street Name Sign	4.00	EA	@	\$ 177	=	\$ 708.00
Epoxy Pavement Marking		SF	@	\$ 12	=	\$
Thermoplastic Pavement Marking	384.00	SF	@	\$ 22	=	\$ 8,448.00
Barricade - Type 3		EA	@	\$ 115	=	\$
Delinicator (Type I)		EA	@	\$ 21	=	\$
Curb and Gutter, Type C (Ramp)	2,159.00	LF	@	\$ 21	=	\$ 45,339.00
Curb and Gutter, Type A (6" Vertical)	64.00	LF	@	\$ 16	=	\$ 1,024.00
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$
Pedestrian Ramp	52.00	SY	@	\$ 108	=	\$ 5,616.00

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase	1.00	EA	@	\$	\$1,300	=	\$ 1,300.00
Concrete Sidewalk	10,090.00	SF	@	\$	\$3	=	\$ 30,270.00
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		LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe	100.00	LF	@	\$	\$94	=	\$ 9,400.00
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	=	\$
High Density Polyethylene (HDPE) Pipe		LF	@	\$	45	=	\$
High Density Polyethylene (HDPE) Pipe		LF	@	\$	75	=	\$
18" Corrugated Steel Pipe		LF	@	\$	\$68	=	\$
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$
36" Corrugated Steel Pipe		LF	@	\$	\$138	=	\$
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		EA	@	\$	500	=	\$
Flared End Section (FES) RCP		EA	@	\$	600	=	\$
Flared End Section (FES) RCP 30"	4.00	EA	@	\$	700	=	\$ 2,800.00
Flared End Section (FES) HDPE		EA	@	\$	650	=	\$
End Treatment- Headwall		EA	@	\$		=	\$
End Treatment- Wingwall		EA	@	\$		=	\$
End Treatment - Cutoff Wall		EA	@	\$		=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet	1.00	EA	@	\$	\$3,791	=	\$ 3,791.00
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		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	1.00	EA	@	\$	\$3,270	=	\$ 3,270.00
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		EA	@	\$	\$4,575	=	\$
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$
Rip Rap, d50 Size from 8" to 24"	213.00	CY	@	\$	\$98	=	\$ 20,874.00
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	=	\$
Permanent Water Quality Facility (Describe)		EA	@	\$		=	\$
**all items this section subject to defect warranty financial assurance. † For lined and sections, multiply pipe LF cost by 6							
Section 2 Subtotal						=	\$ 225,960.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
- Roadway Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$ 338	=	\$
			@	\$	=	\$
			@	\$	=	\$
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
High Density Polyethylene (HDPE) Pipe 30"	290.00	LF	@	\$ 75	=	\$ 21,750.00
18" Reinforced Concrete Pipe	200.00	LF	@	\$ 69	=	\$ 13,800.00
Flared End Section (FES) RCP 18"	1.00	EA	@	\$ 500	=	\$ 500.00
Flared End Section (FES) HDPE 30"	1.00	EA	@	\$ 650	=	\$ 650.00
Detention Outlet Structure	2.00	EA	@	\$ 5,000	=	\$ 10,000.00
Detention Emergency Spillway	2.00	EA	@	\$ 1,500	=	\$ 3,000.00
			@	\$	=	\$
- Water System Improvements						
Water Main Pipe (PVC), Size 8"	1,208.00	LF	@	\$ 94	=	\$ 113,552.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$
Gate Valves, 8"	8.00	EA	@	\$ 1,852	=	\$ 14,816.00
Fire Hydrant Assembly w/ all valves	2.00	EA	@	\$ 6,430	=	\$ 12,860.00
Water Service Line Installation, inc. tap & valves	22.00	EA	@	\$ 1,253	=	\$ 27,566.00
Fire Cistern Installation, complete		EA	@	\$	=	\$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	705.00	LF	@	\$ 94	=	\$ 66,270.00
Sewer Main Pipe (PVC), Size 10"	240.00			\$ 100	=	\$ 24,000.00
Sanitary Sewer Manhole, Depth < 15 feet	6.00	EA	@	\$ 4,575	=	\$ 27,450.00
Sanitary Service Line Installation, complete	22.00	EA	@	\$ 1,516	=	\$ 33,352.00
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 =		\$ 369,566.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$	<u>705,737.70</u>
(Sum of all Section Totals)				
	Public Improvements Total**	=	\$	303,965.70
	Defect Warranty Financial Assurance Total	=	\$	<u>60,793.14</u>
(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)				

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

7/31/17
Date



615 DEVELOPMENT, INC

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Approved

Date

By: Jennifer Irvine, County Engineer

Date: 07/31/2017

El Paso County Department of Public Works