

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

11/14/18

Project Information	
Gieneagle Residential Infill Development Fil No. 2	4/23/2019
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	4.00	EA @	\$ \$153	\$ 612.00	\$ 612.00
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				\$ 43,780.31	\$ 43,780.31

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"		SY @	\$ \$3	\$	\$ - *
Concrete Sidewalk, 5"	698.00	SY @	\$ \$48	\$ 33,504.00	\$ 33,504.00 *
Concrete Sidewalk, 6"		SY @	\$ \$57	\$	\$ - *
Pedestrian Ramp	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	293.70		LF	@	\$	\$84	=	\$	24,670.80	\$	24,670.80	*
30" Reinforced Concrete Pipe			LF	@	\$	\$84	=	\$		\$	-	*
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	@	\$	\$283	=	\$		\$	-	*
72" Reinforced Concrete Pipe			LF	@	\$	\$283	=	\$		\$	-	*
Corrugated Steel Pipe (CSP) Size			LF	@	\$		=	\$		\$	-	*
18" Corrugated Steel Pipe			LF	@	\$	\$66	=	\$		\$	-	*
24" Corrugated Steel Pipe			LF	@	\$	\$86	=	\$		\$	-	*
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 - Culoff 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	@	\$		=	\$		\$	-	*
Curb Inlet (Type 16), < 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	3.00		EA	@	\$	\$4,575	=	\$	13,725.00	\$	13,725.00	*
Geotextile (Erosion Control)			SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"			CY	@	\$	\$98	=	\$		\$	-	*
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	@	\$	=	\$		\$ - *
Detention Emergency Spillway		EA	@	\$	=	\$		\$ - *
Permanent Water Quality Facility (Describe)		EA	@	\$	=	\$		\$ - *
<p>* 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</p>					=	\$ 171,410.80		\$ 171,410.80 **
				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, 4" thick		SY @	\$ 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)		@	\$	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
24" HDPE Pipe	512.00	LF	\$ 75	=	\$ 38,400.00
Grated Inlet (Type C), < 5' deep	1.00	EA @	\$ 3,270	=	\$ 3,270.00
Flared End Section (FES) HDPE 24"	1.00	EA	500	=	\$ 500.00
Detention Outlet Structure	1.00	EA @	\$ 5,000	=	\$ 5,000.00
Detention Emergency Spillway	1.00	EA @	\$ 1,500	=	\$ 1,500.00
Saddle S Headwall	1.00	EA	1,500	=	\$ 1,500.00
Rip Rap, d50 Size from 6" to 24"	17.00	CY @	\$ 98	=	\$ 1,666.00
		EA		=	
- Water System Improvements					
Water Main Pipe (PVC), Size 8"	685.00	LF @	\$ 94	=	\$ 64,390.00
Water Main Pipe (Ductile Iron), Size 8"		LF @	\$ 137	=	\$ -
Gate Valves, 8"	2.00	EA @	\$ 1,852	=	\$ 3,704.00
Fire Hydrant Assembly w/ all valves	1.00	EA @	\$ 6,430	=	\$ 6,430.00
Water Service Line Installation, including tap and valves	12.00	EA @	\$ 1,253	=	\$ 15,036.00
Fire Cistem Installation, complete		EA @	\$	=	\$ -
- Sanitary Sewer Improvements					
Sewer Main Pipe (PVC), Size 8"	646.00	LF @	\$ 94	=	\$ 60,724.00
Sanitary Sewer Manhole, Depth < 15 feet	3.00	EA @	\$ 4,575	=	\$ 13,725.00
Sanitary Service Line Installation, complete	12.00	EA @	\$ 1,516	=	\$ 18,192.00
Sanitary Sewer Lift Station, complete		EA @	\$	=	\$ -
- Landscaping (If Applicable) (Cost includes items and cost - usually vary in case of subdivision specific condition of approval, or PUD)					
		EA @	\$	=	\$ -
		EA @	\$	=	\$ -
		EA @	\$	=	\$ -
		EA @	\$	=	\$ -
***items in this section are not subject to defect warranty financial assurance					
Section 3 Subtotal				=	\$ 234,037.00
					234,037.00

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	\$ <u>\$1,500</u>
Total Construction Financial Assurance	<u>\$450,728.11</u>
(Sum of all section subtotals)	
Total Remaining Construction Financial Assurance	<u>450,728.11</u>
(Sum of all section totals less credit for items complete)	
Total Defect Warranty Financial Assurance	<u>\$37,761.02</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.

	<p style="font-size: 1.5em; font-family: cursive;">5/31/19</p>
Engineer	Date
	
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date