

2015 Financial Assurance

3/17/2015

Estimate Form (with pre-plat construction)

<b>Project Information</b>	
<b>Stonebridge Filing 4</b>	<div style="border: 2px solid blue; padding: 5px; color: blue; font-weight: bold;">                 The submitted GEC was for early grading. Quantities will be reviewed when the revised GEC is submitted.             </div>
Project Name	

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Compleat	Remaining
Earthwork*	2,543	CY @	\$ 5	=	\$ 12,715	\$ 12,715 *
Permanent Seeding*	0.5	AC @	\$ 582	=	\$ 303	\$ 303 *
Mulching*	0.5	AC @	\$ 507	=	\$ 264	\$ 264 *
Permanent Erosion Control Blanket*		SY @	\$ 6	=	\$ -	\$ - *
Temporary Erosion Control Blanket	600	SY @	\$ 3	=	\$ 1,800	\$ 1,800
Vehicle Tracking Control	1	EA @	\$ 1,625	=	\$ 1,625	\$ 1,625
Safety Fence		LF @	\$ 3	=	\$ -	\$ -
Silt Fence		LF @	\$ 4	=	\$ -	\$ -
Temporary Seeding		AC @	\$ 485	=	\$ -	\$ -
Temporary Mulch		AC @	\$ 507	=	\$ -	\$ -
Erosion Bales		EA @	\$ 21	=	\$ -	\$ -
Erosion Logs		LF @	\$ 6	=	\$ -	\$ -
Rip Rap, d50 Size from 6" to 24"		CY @	\$ 98	=	\$ -	\$ - *
Rock Ditch Checks		EA @	\$ -	=	\$ -	\$ -
Inlet Protection	10	EA @	\$ 153	=	\$ 1,530	\$ 1,530
Sediment Basin		EA @	\$ 1,625	=	\$ -	\$ -
Concrete Washout Basin	1	EA @	\$ 776	=	\$ 776	\$ 776
Detention Basin Outlet Structures		@	\$ 10,000	=	\$ -	\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
<b>Section 1 Subtotal</b>				=	\$ 19,012	\$ 19,012

Section 2 - Public Improvements**	Quantity	Units	Price		% Compleat	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS @	\$ 5,000	=	\$ -	\$ - *
Concrete treated Subgrade (8")	29,410.0	SY @	\$ 6	=	\$ 176,460	\$ 176,460 *
Asphalt Pavement (4" @ 145 lbs/cu.ft.)	6,397.0	Tons @	\$ 65	=	\$ 415,805	\$ 415,805 *
Raised Median, Paved		SF @	\$ 7	=	\$ -	\$ - *
Electrical Conduit, Size =		LF @	\$ 14	=	\$ -	\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	=	\$ -	\$ - *
Regulatory Sign	14.0	EA @	\$ 100	=	\$ 1,400	\$ 1,400 *
Advisory Sign		EA @	\$ 100	=	\$ -	\$ - *
Guide/Street Name Sign	11.0	EA @	\$ 100	=	\$ 1,100	\$ 1,100 *
Epoxy Pavement Marking		SF @	\$ 12	=	\$ -	\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22	=	\$ -	\$ - *
Barricade - Type 3		EA @	\$ 115	=	\$ -	\$ - *
Delineator (Type I)		EA @	\$ 21	=	\$ -	\$ - *
Curb and Gutter, Type C (Ramp)	11,784.0	LF @	\$ 21	=	\$ 247,464	\$ 247,464 *
Curb and Gutter, Type A (6" Vertical)	3,829.0	LF @	\$ 16	=	\$ 61,264	\$ 61,264 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	=	\$ -	\$ - *
5' Pedestrian Ramp	303.0	SY @	\$ 108	=	\$ 32,724	\$ 32,724 *
6' Pedestrian Ramp		SY @	\$ 108	=	\$ -	\$ - *
Mid Block Pedestrian Ramp	56.0	SY @	\$ 108	=	\$ 6,048	\$ 6,048 *

Cross Pan	286.0	SY	@	\$ 53	=	\$ 15,158	\$ 15,158 *
Curb Chase		EA	@	\$ 1,300	=	\$	\$ - *
<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	728.0	LF	@	\$ 69	=	\$ 50,232	\$ 50,232 *
24" Reinforced Concrete Pipe	1,609.0	LF	@	\$ 84	=	\$ 135,156	\$ 135,156 *
30" Reinforced Concrete Pipe	86.0	LF	@	\$ 94	=	\$ 8,084	\$ 8,084 *
36" Reinforced Concrete Pipe		LF	@	\$ 124	=	\$	\$ - *
42" Reinforced Concrete Pipe(62' from grading)		LF	@	\$ 134	=	\$	\$ - *
48" Reinforced Concrete Pipe		LF	@	\$ 178	=	\$	\$ - *
54" Reinforced Concrete Pipe		LF	@	\$ 182	=	\$	\$ - *
Flared End Section (FES) RCP	1.0	EA	@	\$ 650	=	\$ 650	\$ 650 *
End Treatment - Cutoff Wall		EA	@	\$ 1,000	=	\$	\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet	1.0	EA	@	\$ 3,791	=	\$ 3,791	\$ 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	2.0	EA	@	\$ 5,528	=	\$ 11,056	\$ 11,056 *
Curb Inlet (Type R) L =10' , 5'-10' Depth	2.0	EA	@	\$ 6,694	=	\$ 13,388	\$ 13,388 *
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$ 7,500	=	\$	\$ - *
Curb Inlet (Type R) L =15' , Depth < 5 feet	1.0	EA	@	\$ 7,923	=	\$ 7,923	\$ 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	=	\$	\$ - *
Temp. CMP Inlet		EA	@	\$ 2,800	=	\$	\$ - *
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$ 8,592	=	\$	\$ - *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	8.0	EA	@	\$ 4,575	=	\$ 36,600	\$ 36,600 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ - *
Rip Rap, d50 Size from 6" to 24"	10.0	CY	@	\$ 98	=	\$ 980	\$ 980 *
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	=	\$	\$ - *
Sub-Regional Detention Pond		LS	@	\$ 220,957	=	\$	\$ - *
Detention Emergency Spillway		EA	@	\$	=	\$	\$ - *
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					=	1,225,283	\$ 1,225,283 **
<b>Section 2 Subtotal</b>					=	\$	

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		<b>% Comple</b>	<b>Remaining</b>
<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 (5')	8,657.0	SY	\$ 38	=	\$ 328,966	\$ 328,966
Concrete Sidewalk (6')	2,426.0	SY	\$ 38	=	\$ 92,188	\$ 92,188
			@ \$	=	\$	\$ -
			@ \$	=	\$	\$ -
<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"	7,055.0	LF	@ \$ 94	=	\$ 663,170	\$ 663,170
Water Main Pipe (PVC), Size 10"	983.0	LF	@ \$ 105	=	\$ 103,215	\$ 103,215
Water Main Pipe (PVC), Size 12"		LF	@ \$ 115	=	\$	\$ -
Raw Water Main Pipe (PVC), Size 12"		LF	@ \$ 115	=	\$	\$ -
Raw Water Main Pipe (PVC), Size 6"		LF	@ \$ 89	=	\$	\$ -
Gate Valves, 8"	27.0	EA	@ \$ 1,852	=	\$ 50,004	\$ 50,004
Gate Valves, 10"	3.0	EA	@ \$ 1,925	=	\$ 5,775	\$ 5,775
Gate Valves, 12"		EA	@ \$ 2,000	=	\$	\$ -
Butterfly Valves, 14"		EA	@ \$ 2,100	=	\$	\$ -
Fire Hydrant Assembly w/ all valves	24.0	EA	@ \$ 6,430	=	\$ 154,320	\$ 154,320
Water Service Line Installation, including tap and valves	209.0	EA	@ \$ 1,253	=	\$ 261,877	\$ 261,877
Pump Station, complete		EA	@ \$ 50,000	=	\$	\$ -
Air/Vac Valve & Vault, complete		EA	@ \$ 3,500	=	\$	\$ -
<b>- Sanitary Sewer Improvements</b>						
Sewer Main Pipe (PVC), Size 8"	7,453.0	LF	@ \$ 94	=	\$ 700,582	\$ 700,582
Sanitary Sewer Manhole, Depth < 15 feet	30.0	EA	@ \$ 4,575	=	\$ 137,250	\$ 137,250
Sanitary Service Line Installation, complete	209.0	EA	@ \$ 1,516	=	\$ 316,844	\$ 316,844
Sewer Main Pipe (PVC), Size 15"		LF	@ \$ 96	=	\$	\$ -
<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						
				=	\$ 2,814,191	\$ 2,814,191

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$1,000</u>
---	----	----------------

( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b><u>\$4,059,486</u></b>
--	---	---------------------------

(Sum of all section subtotals)

	<b>Total Remaining Construction Financial Assurance</b>	<b><u>\$4,059,486</u></b>
--	---	---------------------------

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

	<b>Total Defect Warranty Financial Assurance</b>	<b><u>\$247,713</u></b>
--	--	-------------------------

(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.

THOMAS A. KERBY, PE		31429	Date
Engineer	(P.E. Seal)		

RAUL GUZMAN	VICE PRESIDENT		Date
Approved by Owner / Applicant			

Approved by El Paso County Engineer / ECM Administrator	Date
---	------