

2015 Financial Assurance  
Estimate Form

(Basic form)

Not reviewed. The submitted document for Grading and Erosion Control did not have sufficient information to verify the quantities in the Financial Assurance Estimate Form.

<b>Project Information</b>	
<b>Jackson Office Warehouse &amp; Storage Buidings</b>	<b>11/13/2017</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	1,200.00	CY	@	\$ 5	=	\$ 6,000.00 *
Permanent Seeding*	0.30	AC	@	\$ 582	=	\$ 174.60 *
Mulching*	0.30	AC	@	\$ 507	=	\$ 152.10 *
Permanent Erosion Control Blanket*		SY	@	\$ 6	=	\$ *
Temporary Erosion Control Blanket		SY	@	\$ 3		\$
Vehicle Tracking Control	1.00	EA	@	\$ 1,625	=	\$ 1,625.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence		LF	@	\$ 4	=	\$
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	1.00	EA	@	\$ 21	=	\$ 21.00
Erosion Logs	570.00	LF	@	\$ 6	=	\$ 3,420.00
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	1.00	EA	@	\$ 153	=	\$ 153.00
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin		EA	@	\$ 776	=	\$
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
				Section 1 Subtotal	=	\$ 11,545.70

Provide Temporary Sediment and Concrete Washout

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control		LS	@	\$ 1,000	=	\$
Aggregate Base Course		Tons	@	\$ 18	=	\$
Asphalt Pavement		Tons	@	\$ 65	=	\$
Gravel		Tons	@	\$ 18	=	\$
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size =		LF	@	\$ 14	=	\$
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$
Regulatory Sign		EA	@	\$ 100	=	\$
Advisory Sign		EA	@	\$ 100	=	\$
Guide/Street Name Sign		EA	@	\$ 177		\$
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)		LF	@	\$ 21	=	\$
Curb and Gutter, Type A (6" Vertical)	74.00	LF	@	\$ 16	=	\$ 1,184.00
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$
Pedestrian Ramp		SY	@	\$ 108	=	\$

Sidewalk along the frontage required

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
Concrete Sidewalk		SF	@	\$	\$3	=	\$
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		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	=	\$
High Density Polyethylene (HDPE) Pipe 18"		LF	@	\$	\$45	=	\$
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) HDPE 18"		EA	@	\$	\$450	=	\$
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	@	\$		=	\$
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		EA	@	\$	\$4,575	=	\$
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	=	\$
Impact Stilling Basin		SY	@	\$	\$5,000	=	\$
Detention Outlet Structure		EA	@	\$	5,000	=	\$
Detention Emergency Spillway		EA	@	\$	1,500	=	\$
Permanent Water Quality Facility (Describe) SFB	1.00	EA	@	\$	3,000	=	\$ 3,000.00
**all items this section subject to defect warranty financial assurance.    ⚡ For flared end sections, multiply pipe LF cost by 6		Section 2 Subtotal				=	\$ 4,184.00 **

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)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
18" HDPE	15.00		@	\$ 45	=	\$ 675.00
Rip Rap, d50 Size from 6" to 24"	10.00	CY	@	\$ \$98	=	\$ 980.00
			@	\$	=	\$
- Water System Improvements						
Water Main Pipe (PVC), Size 8"		LF	@	\$ \$94	=	\$
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$
Gate Valves, 8"		EA	@	\$ \$1,852	=	\$
Fire Hydrant Assembly w/ all valves		EA	@	\$ \$6,430	=	\$
Water Service Line Installation, inc. tap & valves		EA	@	\$ \$1,253	=	\$
Fire Cistern Installation, complete		EA	@	\$	=	\$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ \$94	=	\$
Sewer Main Pipe (PVC), Size 10"				\$100		
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	\$ \$4,575	=	\$
Sanitary Service Line Installation, complete		EA	@	\$ 1,516	=	\$
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			=	\$ 1,655.00

Provide quantity

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	= \$ 17,384.70
	(Sum of all Section Totals)	
	Public Improvements Total* **	\$ 10,510.70
	Defect Warranty Financial Assurance Total	= \$ 2,102.14
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)	

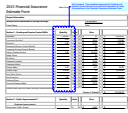
Approvals

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	Date
(P.E. Seal)	
Approved by Owner / Applicant	Date
Approved by El Paso Couny Engineer / ECM Administrator	Date

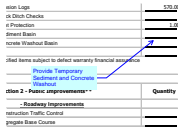
# Markup Summary

1 (2)



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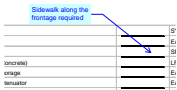
Not reviewed. The submitted document for Grading and Erosion Control did not have sufficient information to verify the quantities in the Financial Assurance Estimate Form.



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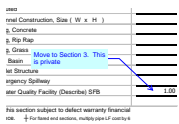
Provide Temporary Sediment and Concrete Washout

2 (2)



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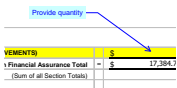
Sidewalk along the frontage required



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Move to Section 3. This is private

4 (1)



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Provide quantity