

2015 Financial Assurance

(Basic form)

3/27/18

Estimate Form

Project Information	
Jackson Office Warehouse & Storage Buildings	<u>3/27/2018</u>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	=	Price	=	Total
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	644.00	LF	@ \$6	=	\$	=	3,864.00
Rock Ditch Checks		EA	@ \$	=	\$	=	\$
Inlet Protection	2.00	EA	@ \$153	=	\$	=	306.00
Sediment Basin	1.00	EA	@ \$1,625	=	\$	=	1,625.00
Concrete Washout Basin	1.00	EA	@ \$776	=	\$	=	776.00
Specified items subject to defect warranty financial assurance			@ \$	=	\$	=	\$
Section 1 Subtotal					=	\$	14,543.70

Section 2 - Public Improvements**	Quantity	Units	Price	=	Price	=	Total
- 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)		LF	@ \$16	=	\$	=	\$
Curb and Gutter, Type B (Median)		LF	@ \$13	=	\$	=	\$
Pedestrian Ramp		SY	@ \$108	=	\$	=	\$

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	EA	@	\$	3,000	=	\$
all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6			Section 2 Subtotal		=	\$ *

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	
Permanent Water Quality Facility (Describe) SFB	1.00		@	\$ 3,000	=	\$ 3,000.00	
- 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		=	\$ 4,655.00

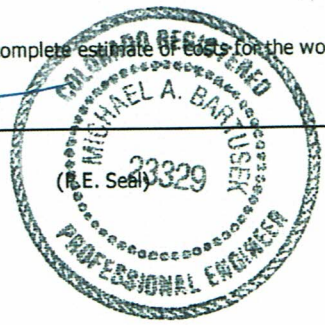
Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	1,500.00
(Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	<u>\$ 20,698.70</u>
	(Sum of all Section Totals)		
	Public Improvements Total**	\$	6,326.70
	Defect Warranty Financial Assurance Total	=	<u>\$ 1,265.34</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.

[Handwritten Signature]



8/27/18
Date

Engineer

[Handwritten Signature]

6/1/2018
Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date