2015 Financial Assurance Estimate Form

(Basic form) 2/21/18

Project Information	
South Academy Business Center	**2/21/2018**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price			
Earthwork*	600.00	CY	@	$ $5	=	$ 3,000.00	*
Permanent Seeding*	1.00	AC	@	$ $582	=	$ 582.00	*
Mulching*	1.00	AC	@	$ $507	=	$ 507.00	*
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	3,870.00	LF	@	$ $4	=	$ 15,480.00	
Temporary Seeding		AC	@	$ $485	=	$	
Temporary Mulch		AC	@	$ $507	=	$	
Erosion Bales	2.00	EA	@	$ $21	=	$ 42.00	
Erosion Logs		LF	@	$ $6	=	$	
Rock Ditch Checks		EA	@	$	=	$	
Inlet Protection	1.00	EA	@	$ $153	=	$ 153.00	
Sediment Basin		EA	@	$ $1,625	=	$	
Concrete Washout Basin		EA	@	$	=	$	
			@	$	=	$	
specified items subject to defect warranty financial assurance							
				Section 1 Subtotal	=	$ 21,389.00	

Provide quantity since a Sediment Basin is now identified in the Grading and Erosion Control Plan

Sect *	Quantity	Units		Price		
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)		EA	@	$		=	$
**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)			@	$	=	$
			@	$	=	$
			@	$	=	$
Construction Traffic Control	1.00	LS	@	$ 1,000	=	$ 1,000.00
Aggregate Base Course	723.00	Tons	@	$ $18	=	$ 13,014.00
Asphalt Pavement	419.00	Tons	@	$ $65	=	$ 27,235.00
Curb and Gutter, Type A (6" Vertical)	200.00	LF	@	$ $16	=	$ 3,200.00
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$
			@	$	=	$
			@	$	=	$
Rip Rap, d50 Size from 6" to 24"	10.00	CY	@	$ $98	=	$ 980.00
Detention Outlet Structure	1.00	EA	@	$ 5,000	=	$ 5,000.00
Detention Emergency Spillway	1.00	EA	@	$ 1,500	=	$ 1,500.00
- 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**	=	$ 48,729.00

Financial Assurance Totals		
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**		$ 500.00
(Inc. survey to verify detention pond volumes.) **Construction Financial Assurance Total**	=	$ 70,618.00
(Sum of all Section Totals)		
Public Improvements Total* **		$ 4,089.00
Defect Warranty Financial Assurance Total	=	$ 817.80
(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: 2/21/18

(P.E. Seal)

COLORADO REGISTERED MICHAEL A. BARTUSEK 23329 PROFESSIONAL ENGINEER

Approved by Owner / Applicant — Date: 2-20-18

Approved by El Paso County Engineer / ECM Administrator — Date