

# 2015 Financial Assurance Estimate Form

(Basic form)

8/6/2015

## Project Information

Academy Village Filing No. 3

1/19/2018

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*		CY	@	\$ 5	=	\$ *
Permanent Seeding* (inc. noxious weed management)		AC	@	\$ 582	=	\$ *
Mulching*		AC	@	\$ 507	=	\$ *
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	333.00	LF	@	\$ 4	=	\$ 1,332.00
Temporary Seeding	0.35	AC	@	\$ 485	=	\$ 169.75
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales		EA	@	\$ 21	=	\$
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	4.00	EA	@	\$ 153	=	\$ 612.00
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00
			@	\$	=	\$
pecified items subject to defect warranty financial assurance						
				<b>Section 1 Subtotal</b>	=	<b>\$ 4,514.75</b>

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
Construction Traffic Control	1.00	LS	@	\$ 1,000	=	\$ 1,000.00
Aggregate Base Course	18.00	Tons	@	\$ 18	=	\$ 324.00
Asphalt Pavement	21.00	Tons	@	\$ 65	=	\$ 1,365.00
Raised Median, Paved	78.00	SF	@	\$ 7	=	\$ 546.00
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	@	\$	=	\$
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)	25.00	LF	@	\$ 13	=	\$ 325.00
Pedestrian Ramp		SY	@	\$ 108	=	\$

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	=	\$
<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		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	=	\$
Corrugated Steel Pipe (CSP) Size		LF	@	\$		=	\$
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) RCP †		EA	@	\$		=	\$
Flared End Section (FES) CSP †		EA	@	\$		=	\$
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, #50 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	@	\$ 5,000	=	\$
Detention Emergency Spillway	EA	@	\$ 4,000	=	\$
Permanent Water Quality Facility (Describe)	EA	@	\$ 5,000	=	\$
~150 SY footprint, ~ 4' depth					
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6					
<b>Section 2 Subtotal</b>				=	<b>\$ 3,560.00 **</b>

<b>Section 3 - Common Development Improvements (Private or District)***</b>		<b>Quantity</b>	<b>Units</b>	<b>Price</b>	
<b><u>- Roadway Improvements</u></b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Epoxy Pavement Marking			SF @	\$ 12	= \$
Curb and Gutter, Type C (Ramp)			LF @	\$ 21	= \$
Curb and Gutter, Type A (6" Vertical)			LF @	\$ 16	= \$
Pedestrian Ramp			SY @	\$ 108	= \$
Concrete Sidewalk			SY @	\$ 38	= \$
<b><u>- Storm Drain Improvements</u></b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Reinforced Concrete Pipe (RCP)      Size - 12"	45.00	LF	@	\$ 65	= \$ 2,925.00
Detention Outlet Structure	1.00	EA	@	\$ 5,000	= \$ 5,000.00
Detention Emergency Spillway	1.00	EA	@	\$ 4,000	= \$ 4,000.00
Flared End Section (FES) RCP      †	2.00	EA	@	\$ 390	= \$ 780.00
Permanent Water Quality Facility (Describe) ~150 SY footprint, ~ 4' depth	1.00	EA	@	\$ 5,000	= \$ 5,000.00
<b><u>- Water System Improvements</u></b>					
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	@	\$	= \$
<b><u>- Sanitary Sewer Improvements</u></b>					
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ 94	= \$
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	\$ 4,575	= \$
Sanitary Service Line Installation, complete		EA	@	\$ 1,516	= \$
Sanitary Sewer Lift Station, complete		EA	@	\$	= \$
<b><u>- Landscaping (If Applicable)</u></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					
				<b>Section 3 Subtotal</b>	<b>= \$ 17,705.00</b>

**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 (Sum of all Section Totals)	=	\$ 25,780.00
Public Improvements Total**	\$	3,560.00
Defect Warranty Financial Assurance Total (20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)	=	\$ 712.00

**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.

*Dean Ellis*  
 Engineer Date *14 Aug. 18*



*Boyd C. Schaefer*  
 Approved by Owner / Applicant *Boyd C. Schaefer, Dir of Facilities* Date *8-14-2018*

*[Signature]*  
 Approved by El Paso County Engineer / EOM Administrator Date *8/15/18*