

2015 Financial Assurance Estimate Form

3/17/2015

Project Information		
Falcon High School	10/2/2017	COUNTY PROJECT NO. PPR-17-048
Project Name	Date	

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	3,600.00	CY @	\$ 5	=	\$ 18,000.00	\$ 18,000.00 *
Permanent Seeding*	1.80	AC @	\$ 582	=	\$ 1,047.60	\$ 1,047.60 *
Mulching*	1.80	AC @	\$ 507	=	\$ 912.60	\$ 912.60 *
Permanent Erosion Control Blanket*		SY @	\$ 6	=	\$	\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3	=	\$	\$ -
Vehicle Tracking Control	1.00	EA @	\$ 1,625	=	\$ 1,625.00	\$ 1,625.00
Safety Fence		LF @	\$ 3	=	\$	\$ -
Silt Fence	222.00	LF @	\$ 4	=	\$ 888.00	\$ 888.00
Temporary Seeding		AC @	\$ 485	=	\$	\$ -
Temporary Mulch		AC @	\$ 507	=	\$	\$ -
Erosion Bales	27.00	EA @	\$ 21	=	\$ 567.00	\$ 567.00
Erosion Logs		LF @	\$ 6	=	\$	\$ -
Rock Ditch Checks		EA @	\$	=	\$	\$ -
Inlet Protection		EA @	\$ 153	=	\$	\$ -
Temporary Sediment Basin		EA @	\$ 1,625	=	\$	\$ -
Concrete Washout Basin		EA @	\$ 776	=	\$	\$ -
		@	\$	=	\$	\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
Section 1 Subtotal				=	\$ 23,040.20	\$ 23,040.20

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control		LS @	\$	=	\$	\$ - *
Aggregate Base Course		Tons @	\$ 18	=	\$	\$ - *
Asphalt Pavement		Tons @	\$ 65	=	\$	\$ - *
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 @	\$ 300	=	\$	\$ - *
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	=	\$	\$ - *
Concrete Sidewalk		SY @	\$ 38	=	\$	\$ -
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	=	\$	\$ - *

- 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 Size		LF	@	\$	=	\$		\$ - *
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	@	\$ 2,200	=	\$		\$ - *
Flared End Section (FES) HDPE †		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, 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	=	\$		\$ - *
Channel Lining, Other Stabilization		SY	@	\$ \$3	=	\$		\$ - *
Detention Outlet Structure		EA	@	\$ 17,500	=	\$		\$ - *
Detention Emergency Spillway		EA	@	\$ 4,000	=	\$		\$ - *

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										
				Section 2 Subtotal		\$				**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price			% Complete	Remaining
- 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)			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
5' Concrete Pan	439.00	SY	@	\$ 53	=	\$ 23,267.00		\$ 23,267.00
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
- 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, including tap and valves		EA	@	\$ 1,253	=	\$		\$ -
Fire Cistern Installation, complete		EA	@	\$	=	\$		\$ -
- Sanitary Sewer Improvements								
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	@	\$	=	\$		\$ -
- 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	@	\$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance				Section 3 Subtotal		\$	23,267.00	23,267.00

Financial Assurance Totals

A9-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	\$	
Total Construction Financial Assurance		\$46,307.20
(Sum of all section subtotals)		
Total Remaining Construction Financial Assurance		46,307.20
(Sum of all section totals less credit for items complete)		
Total Defect Warranty Financial Assurance		\$3,992.04
(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.

[Signature] _____ *11.8.17*
Engineer Date
(P.E. Seal)



Britt Rodgway _____ *11/10/2017*
Approved by Owner / Applicant Date

Approved By: Jennifer Irvine, County Engineer Date: 11/14/2017 El Paso County Department of Public Works
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Approved by El Paso County Engineer / ECM Administrator