

2015 Financial Assurance Estimate Form

(Basic form)

8/6/2015

Project Information	SF 17-021
Judge Orr Renchettes	12/18/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	2,920.00	CY	@	\$ 5	=	\$ 14,600.00 *
Permanent Seeding* (inc. noxious weed management)	2.30	AC	@	\$ 582	=	\$ 1,338.60 *
Mulching*	2.30	AC	@	\$ 507	=	\$ 1,166.10 *
Permanent Erosion Control Blanket*		SY	@	\$ 6	=	\$ *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$
Vehicle Tracking Control	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	2,580.00	LF	@	\$ 4	=	\$ 10,320.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	9.00	EA	@	\$ 21	=	\$ 189.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks	20.00	EA	@	\$ 40	=	\$ 800.00
Inlet Protection		EA	@	\$ 153	=	\$
Sediment Basin	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Concrete Washout Basin		EA	@	\$ 776	=	\$
			@	\$	=	\$
pecified items subject to defect warranty financial assurance						
				Section 1 Subtotal	=	\$ 34,913.70

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control		LS	@	\$	=	\$
Aggregate Base Course	2,261.00	Tons	@	\$ 18	=	\$ 40,698.00
Asphalt Pavement	1,566.00	Tons	@	\$ 65	=	\$ 101,790.00
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size =		LF	@	\$ 14	=	\$
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$
Regulatory Sign	3.00	EA	@	\$ 100	=	\$ 300.00
Advisory Sign	5.00	EA	@	\$ 100	=	\$ 500.00
Guide/Street Name Sign	6.00	EA	@	\$ 100	=	\$ 600.00
Epoxy Pavement Marking	50.00	SF	@	\$ 12	=	\$ 600.00
Thermoplastic Pavement Marking		SF	@	\$ 22	=	\$
Barricade - Type 3	1.00	EA	@	\$ 115	=	\$ 115.00
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	=	\$
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 15"			LF	@	\$	\$69	=	\$
18" Reinforced Concrete Pipe			LF	@	\$	\$69	=	\$
24" Reinforced Concrete Pipe			LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe		58.00	LF	@	\$	\$94	=	\$ 5,452.00
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 †		2.00	EA	@	\$	800	=	\$ 1,600.00
Flared End Section (FES) CSP †			EA	@	\$		=	\$
End Treatment- Headwall			EA	@	\$		=	\$
End Treatment- Wingwall			EA	@	\$		=	\$
End Treatment - Cutoff Wall			CY	@	\$	550	=	\$
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	=	\$
Soil Rip Rap, d50 Size from 6" to 24"	22.50	CY	@	\$	\$98	=	\$ 2,205.00
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	@	\$	9,000	=	\$
Detention Emergency Spillway		EA	@	\$		=	\$
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		=	\$ 153,860.00 **

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)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Concrete Sidewalk		SY	@	\$ 38	=	\$
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	@	\$ 100	=	\$
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	=	\$
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						
(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)		LF	@	\$ 69	=	\$
30" Corrugated Steel Pipe		LF	@	\$ 101	=	\$
36" Corrugated Steel Pipe		LF	@	\$ 136	=	\$
Flared End Section (FES) †		EA	@	\$ 63	=	\$
Soil Rip Rap, d50 Size from 6" to 24"		CY	@	\$ 98	=	\$
Detention Outlet Structure		EA	@	\$ 9,000	=	\$
Detention Emergency Spillway		EA	@	\$ 2,500	=	\$
Soil Rip Rap Rundown, d50=12"		CY	@	\$ 98	=	\$
			@	\$	=	\$
			@	\$	=	\$
- 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	=	\$
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	\$

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	3,000.00
(Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$ 191,773.70
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	170,964.70
	Defect Warranty Financial Assurance Total	=	\$ 34,192.94
	(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 *David Mijares* Date 1.30.19
 (P.E. Seal) 40510

Approved by Owner / Applicant *[Signature]* Date 30 January 2019

Approved by El Paso County Engineer / ECM Administrator

Approved
 By: Elizabeth NijKamp
 Date: 07/10/2019
 El Paso County Planning & Community Development

