

2015 Financial Assurance Estimate Form

(Basic form)

5/21/18

Project Information	
Judge Orr road RV Park & Storage Development	5/21/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork* Private	60,000.00	CY	@	\$ 5	=	\$ 300,000.00 *
Permanent Seeding*	5.00	AC	@	\$ 582	=	\$ 2,910.00 *
Mulching*	5.00	AC	@	\$ 507	=	\$ 2,535.00 *
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	3,555.00	LF	@	\$ 4	=	\$ 14,220.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	3.00	EA	@	\$ 21	=	\$ 63.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	1.00	EA	@	\$ 153	=	\$ 153.00
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	=	\$ 323,907.00

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control		LS	@	\$ 4,000	=	\$
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	1.00	EA	@	\$ 100	=	\$ 100.00
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	=	\$

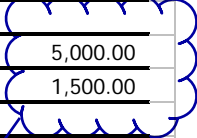
Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
Concrete Sidewalk		SF	@	\$	\$3	=	\$
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$
Sound Barrier Fence		LF	@	\$	\$100	=	\$
- Storm Drain Improvements							
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	=	\$
38"X24" Reinforced Concrete Elliptical 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		LF	@	\$	45	=	\$
High Density Polyethylene (HDPE) Pipe		LF	@	\$	75	=	\$
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	@	\$	500	=	\$
Flared End Section (FES) RCP		EA	@	\$	600	=	\$
Flared End Section (FES) RCP		EA	@	\$	700	=	\$
Flared End Section (FES) HDPE		EA	@	\$	650	=	\$
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	=	\$
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	=	\$ 100.00 **

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)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
			@	\$ 38	= \$
			@	\$	= \$
			@	\$	= \$
- Storm Drain Improvements					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
		LF	@	\$ 75	= \$
		LF	@	\$ 69	= \$
		EA	@	\$ 500	= \$
		EA	@	\$ 650	= \$
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 System Private				\$94	= \$
				\$137	= \$
				1,852	= \$
				6,430	= \$
				4,253	= \$
Fire Cistern Installation, complete					= \$
- Sanitary Sewer Improvements					
Wastewater System Private				\$94	= \$
				\$100	= \$
				4,575	= \$
		EA	@	\$ 1,516	= \$
		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	= \$ 6,500.00

Total value for the detention pond seems low. Pond structure to also include riprap rundown, forebay, and trickle channel.

Is the earthwork for the pond accounted for in Section 1?



Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	\$ 1,500.00
Construction Financial Assurance Total	= \$ 332,007.00
(Sum of all Section Totals)	
Public Improvements Total* **	\$ 305,545.00
Defect Warranty Financial Assurance Total	= \$ 61,109.00
(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 <div style="text-align: center;">(P.E. Seal)</div>	Date
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date