

2015 Financial Assurance Estimate Form

(Basic form)

8/16/17

Project Information	
Judge Orr road RV Park & Storage Development	8/16/2017
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork* Private		CY	@	\$ 5	=	\$ *
Permanent Seeding*		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	3,725.00	LF	@	\$ 4	=	\$ 14,900.00
Temporary Seeding	5.00	AC	@	\$ 485	=	\$ 2,425.00
Temporary Mulch	5.00	AC	@	\$ 507	=	\$ 2,535.00
Erosion Bales	70.00	EA	@	\$ 21	=	\$ 1,470.00
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		EA	@	\$ 776	=	\$
			@	\$	=	\$
specified items subject to defect warranty financial assurance						
				Section 1 Subtotal	=	\$ 24,733.00

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	=	\$

RECEIVED VERSION

SEP 20 2017

3

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		120.00	LF	@	\$	\$94	=	\$ 11,280.00
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	=	\$
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 38"X24"		4.00	EA	@	\$	700	=	\$ 2,800.00
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	@	\$		=	\$
<p>**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6</p>						
Section 2 Subtotal					=	\$ 14,180.00 **

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		LF	@	\$ 94	=	\$
		LF	@	\$ 137	=	\$
		EA	@	\$ 1,852	=	\$
		EA	@	\$ 6,430	=	\$
		EA	@	\$ 1,253	=	\$
Fire Cistern Installation, complete		EA	@	\$	=	\$
- Sanitary Sewer Improvements						
Wastewater System Private		LF	@	\$ 94	=	\$
				\$100		
		EA	@	\$ 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		

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	= \$ 45,413.00
(Sum of all Section Totals)	
Public Improvements Total* **	\$ 14,180.00
Defect Warranty Financial Assurance Total	= \$ 2,836.00
(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; margin-top: 20px;">(P.E. Seal)</div>	Date
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date