

2015 Financial Assurance
 Estimate Form (with pre-plot construction)

11/14/18

Project Information	
Judge Orr Road RV Park & Storage Development	4/30/2019
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price			% Complete	Remaining
Earthwork*	60,000.00	CY	@ \$ 5	=	\$ 300,000.00		\$ 300,000.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	5.00	AC	@ \$ 582	=	\$ 2,910.00		\$ 2,910.00 *
Mulching*	5.00	AC	@ \$ 507	=	\$ 2,535.00		\$ 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		\$ 1,625.00
Safety Fence		LF	@ \$ 3	=	\$		\$ -
Silt Fence	3,725.00	LF	@ \$ 4	=	\$ 14,900.00		\$ 14,900.00
Temporary Seeding		AC	@ \$ 485	=	\$		\$ -
Temporary Mulch		AC	@ \$ 507	=	\$		\$ -
Erosion Bales	22.00	EA	@ \$ 21	=	\$ 462.00		\$ 462.00
Erosion Logs		LF	@ \$ 6	=	\$		\$ -
Rock Ditch Checks		EA	@ \$	=	\$		\$ -
Inlet Protection	6.00	EA	@ \$ 153	=	\$ 918.00		\$ 918.00
Sediment Basin	1.00	EA	@ \$ 1,625	=	\$ 1,625.00		\$ 1,625.00
Concrete Washout Basin	1.00	EA	@ \$ 776	=	\$ 776.00		\$ 776.00
		@ \$		=	\$		\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process.							
Section 1 Subtotal							
					\$ 325,751.00		\$ 325,751.00

Section 2 - Public Improvements**	Quantity	Units	Price			% Complete	Remaining
- 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		EA	@ \$ 100	=	\$		\$ - *
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	=	\$		\$ - *
Concrete Sidewalk, 4"		SY	@ \$ 38	=	\$		\$ - *
Concrete Sidewalk, 5"		SY	@ \$ 48	=	\$		\$ - *
Concrete Sidewalk, 6"		SY	@ \$ 57	=	\$		\$ - *
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		LF	@	\$	=	\$	\$	-	*
18" Reinforced Concrete Pipe		LF	@	\$ 69	=	\$	\$	-	*
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$	\$	-	*
38"x24" 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	@	\$ 1,000	=	\$	\$	-	*
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	@	\$	=	\$		\$ -	*
Detention Emergency Spillway		EA	@	\$	=	\$		\$ -	*
Permanent Water Quality Facility (Describe)		EA	@	\$	=	\$		\$ -	*
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final 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)			@ \$	=	\$		\$ -
			@ \$	=	\$		\$ -
			@ \$	=	\$		\$ -
Construction Traffic Control	1.00	LS	@ \$ 4,000	=	\$ 4,000.00		\$ 4,000.00
Aggregate Base Course	1,292.00	Tons	@ \$ 18	=	\$ 23,256.00		\$ 23,256.00
Asphalt Pavement	712.00	Tons	@ \$ 65	=	\$ 46,280.00		\$ 46,280.00
Regulatory Sign	1.00	EA	@ \$ 100	=	\$ 100.00		\$ 100.00
Guide/Street Name Sign	2.00	EA	@ \$ 177	=	\$ 354.00		\$ 354.00
Thermoplastic Pavement Marking	195.00	SF	@ \$ 22	=	\$ 4,290.00		\$ 4,290.00
Curb and Gutter, Type A (6" Vertical)	941.00	LF	@ \$ 16	=	\$ 15,056.00		\$ 15,056.00
Concrete Sidewalk, 4"	210.00	SY	@ \$ 38	=	\$ 7,980.00		\$ 7,980.00
Pedestrian Ramp	53.00	SY	@ \$ 108	=	\$ 5,724.00		\$ 5,724.00
Cross Pan		SY	@ \$ 53	=	\$		\$ -
			@ \$	=	\$		\$ -
			@ \$	=	\$		\$ -
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$		\$ -
			@ \$	=	\$		\$ -
			@ \$	=	\$		\$ -
High Density Polyethylene (HDPE) Pipe 30"	1,607.00	LF	@ 75	=	\$ 120,525.00		\$ 120,525.00
High Density Polyethylene (HDPE) Pipe 24"	120.00	LF	@ \$ 69	=	\$ 8,280.00		\$ 8,280.00
38"x24" Reinforced Concrete Pipe	570.00	LF	@ \$ 94	=	\$ 53,580.00		\$ 53,580.00
Reinforced Concrete Pipe 24"	250.00	LF	@ \$ 84	=	\$ 21,000.00		\$ 21,000.00
Flared End Section (FES) RCP 24"	2.00	EA	@ 750	=	\$ 1,500.00		\$ 1,500.00
Flared End Section (FES) HDPE 24"	1.00	EA	@ 500	=	\$ 500.00		\$ 500.00
Flared End Section (FES) HDPE 30"	1.00	EA	@ 650	=	\$ 650.00		\$ 650.00
Flared End Section (FES) RCP 36"	1.00	EA	@ 1,000	=	\$ 1,000.00		\$ 1,000.00
Grated Inlet (Type D), < 5' deep	1.00	EA	@ \$ 3,908	=	\$ 3,908.00		\$ 3,908.00
Storm MH Type II	4.00		@ \$ 4,575	=	\$ 18,300.00		\$ 18,300.00
CDOT Headwall	4.00		@ \$ 2,500	=	\$ 10,000.00		\$ 10,000.00
Rip Rap, d50 Size from 6" to 24"	380.00		@ \$ 98	=	\$ 37,240.00		\$ 37,240.00
Detention Outlet Structure	1.00	EA	@ 8,000	=	\$ 8,000.00		\$ 8,000.00
Detention Emergency Spillway	1.00	EA	@ 2,500	=	\$ 2,500.00		\$ 2,500.00
- 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	@ \$	=	\$		\$ -
		EA	@ \$	=	\$		\$ -

***Items in this section are not subject to defect

warranty financial assurance

Section 3 Subtotal

=

\$ 391,523.00




391,523.00

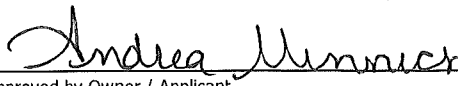
Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$1,500
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$718,774.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	718,774.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$61,089.00
	(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.

   6/18/19
Engineer Date

 6-18-19
Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator

APPROVED
Engineering Department

07/23/2019 5:14:55 PM

 dsdnijkamp

**EPC Planning & Community
Development Department**