

# 2015 Financial Assurance Estimate Form (with pre-plat construction)

8/6/2015

<b>Project Information</b>	
<b>Monument Small Engine Storage</b>	<b>6/12/18</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	40.00	CY @	\$ 5	\$ 200.00	\$ 200.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	0.40	AC @	\$ 582	\$ 232.80	\$ 232.80 *
Mulching*	0.40	AC @	\$ 507	\$ 202.80	\$ 202.80 *
Permanent Erosion Control Blanket*	49.00	SY @	\$ 6	\$ 294.00	\$ 294.00 *
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	537.00	LF @	\$ 4	\$ 2,148.00	\$ 2,148.00
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Bales	4.00	EA @	\$ 21	\$ 84.00	\$ 84.00
Erosion Logs		LF @	\$ 6		\$ -
Rock Ditch Checks		EA @	\$		\$ -
Inlet Protection	3.00	EA @	\$ 153	\$ 459.00	\$ 459.00
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776	\$ 776.00	\$ 776.00
Permanent Water Quality Sand Filter Basin	2.00	EA @	\$ 2,400	\$ 4,800.00	\$ 4,800.00
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.					
<b>Section 1 Subtotal</b>				\$ 10,821.60	\$ 10,821.60

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
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 @	\$		\$ - *
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	=	\$	\$	-	*
<b>- Storm Drain Improvements</b>										
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	=	\$	\$	-	*
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	@	\$		=	\$	\$	-	*
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	=	\$	\$	-	*

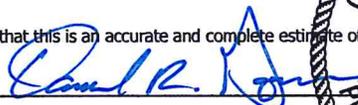
Rip Rap, d50 Size from 6" to 24"		CY	@	\$	\$98	=	\$		\$	-	*
Rip Rap, Grouted		CY	@	\$	\$215	=	\$		\$	-	*
Drainage Channel Construction, Size ( W x H )		LF	@	\$		=	\$		\$	-	*
Channel Lining, Concrete		CY	@	\$	\$450	=	\$		\$	-	*
Channel Lining, Rip Rap		CY	@	\$	\$98	=	\$		\$	-	*
Channel Lining, Grass		AC	@	\$	\$1,287	=	\$		\$	-	*
Channel Lining, Other Stabilization		SY	@	\$	\$3	=	\$		\$	-	*
Detention Outlet Structure		EA	@	\$		=	\$		\$	-	*
Detention Emergency Spillway		EA	@	\$		=	\$		\$	-	*
Permanent Water Quality Facility (Describe)		EA	@	\$		=	\$		\$	-	*
<p>* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6</p>						=					**
					<b>Section 2 Subtotal</b>		\$				

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		<b>% Complete</b>	<b>Remaining</b>
<b><u>- Roadway Improvements</u></b>						
(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	=	\$	\$ -
			@ \$	=	\$	\$ -
			@ \$	=	\$	\$ -
<b><u>- Storm Drain Improvements</u></b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$	\$ -
			@ \$	=	\$	\$ -
			@ \$	=	\$	\$ -
24" Corrugated Steel Pipe	40.00	LF	@ \$ 96	=	\$ 3,840.00	\$ 3,840.00
Flared End Section (FES) CSP 24"	2.00	EA	@ \$ 250	=	\$ 500.00	\$ 500.00
Rip Rap - Type L	11.00	CY	@ \$ 98	=	\$ 1,078.00	\$ 1,078.00
<b><u>- Water System Improvements</u></b>						
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	@ \$	=	\$	\$ -
<b><u>- Sanitary Sewer Improvements</u></b>						
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	@ \$	=	\$	\$ -
<b><u>- Landscaping (If Applicable)</u></b>						
(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						
				<b>Section 3 Subtotal</b>	<b>\$ 5,418.00</b>	<b>5,418.00</b>

<b>Financial Assurance Totals</b>	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 1,800
(Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance \$18,039.60</b>
	(Sum of all section subtotals)
	<b>Total Remaining Construction Financial Assurance 18,039.60</b>
	(Sum of all section totals less credit for items complete)
	<b>Total Defect Warranty Financial Assurance \$185.92</b>
	(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.



 Date: 7/18/18

Engineer (P.E. Seal)


 Date: 7-10-18

Approved by Owner / Applicant

**Approved**  
 by Elizabeth Nijkamp  
 El Paso County Planning and Community Development  
 on behalf of Jennifer Irvine, County Engineer, ECM Administrator
 

Approved by El Paso County Engineer / ECM Administrator Date: **08/23/2018 3:17:36 PM**