

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

12-26-18

PCD FILE NO. PPR MS-19-006

<b>Project Information</b>	
Appaloosa Hwy 24 Subdivision Filing 1A Lot 2	5/2/2019
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	3,500.00	CY	@ \$ 5	= \$	17,500.00	\$ 17,500.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	1.50	AC	@ \$ 582	= \$	873.00	\$ 873.00 *
Mulching*	1.50	AC	@ \$ 507	= \$	760.50	\$ 760.50 *
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	1,575.00	LF	@ \$ 4	= \$	6,300.00	\$ 6,300.00
Temporary Seeding	1.50	AC	@ \$ 485	= \$	727.50	\$ 727.50
Temporary Mulch	1.50	AC	@ \$ 507	= \$	760.50	\$ 760.50
Erosion Bales	30.00	EA	@ \$ 21	= \$	630.00	\$ 630.00
Erosion Logs		LF	@ \$ 6	= \$		\$ -
Rock Ditch Checks		EA	@ \$	= \$		\$ -
Inlet Protection	2.00	EA	@ \$ 153	= \$	306.00	\$ 306.00
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 preliminary acceptance process.						
<b>Section 1 Subtotal</b>				= \$	31,883.50	\$ 31,883.50

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control	1.00	LS	@ \$ 1,000	= \$	1,000.00	\$ 1,000.00 *
Aggregate Base Course	582.00	Tons	@ \$ 18	= \$	10,476.00	\$ 10,476.00 *
Asphalt Pavement	337.00	Tons	@ \$ 65	= \$	21,905.00	\$ 21,905.00 *
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	\$ 100.00 *
Advisory Sign		EA	@ \$ 100	= \$		\$ - *
Guide/Street Name Sign	1.00	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	=	\$		\$	-	*
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	=	\$		\$	-	*
<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	=	\$		\$	-	*
38"x24" RCEP		90.00	LF	@	\$	\$94	=	\$	8,460.00	\$	8,460.00	*
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 24"			EA	@	\$	700	=	\$		\$	-	*
Flared End Section (FES) RCP 38"x24"		2.00	EA	@	\$	800	=	\$	1,600.00	\$	1,600.00	*
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"		5.00	CY	@	\$	\$98	=	\$	490.00	\$	490.00	*
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	@	\$	=	\$		\$ - *
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 preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6								
<b>Section 2 Subtotal</b>					=	\$	44,031.00	44,031.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining	
<b>- Roadway Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -	
		@	\$	=	\$	\$ -	
		@	\$	=	\$	\$ -	
		SY	\$ 338	=	\$	\$ -	
		@	\$	=	\$	\$ -	
		@	\$	=	\$	\$ -	
<b>- Storm Drain Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -	
		@	\$	=	\$	\$ -	
		@	\$	=	\$	\$ -	
			5,000	=	\$	\$ -	
		LF	\$69	=	\$	\$ -	
30" CMP Pipe	60.00	LF	\$75	=	\$ 4,500.00	\$ 4,500.00	
		LF	75	=	\$	\$ -	
Flared End Section (FES) HDPE	30"	2.00	EA	500	=	\$ 1,000.00	\$ 1,000.00
			EA	600	=	\$	\$ -
Detention Outlet Structure			EA	5,000	=	\$	\$ -
Detention Emergency Spillway			EA	@ \$ 1,500	=	\$	\$ -
Rip Rap, d50 Size from 6" to 24"	5.00	CY	@ \$ 98	=	\$ 490.00	\$ 490.00	
		@	\$	=	\$	\$ -	
<b>- Water System Improvements</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 Cistem Installation, complete		EA	@ \$	=	\$	\$ -	
<b>- Sanitary Sewer Improvements</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	@ \$ 1,516	=	\$	\$ -	
<b>- Landscaping (If Applicable)</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>	= \$ 5,990.00	5,990.00	

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$1,500
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$83,404.50</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>83,404.50</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$12,632.90</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.

Engineer	(P.E. Seal)	Date
Approved by Owner / Applicant		Date
Approved by El Paso County Engineer / ECM Administrator		Date