

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

1-3-19

Project Information	
Appaloosa Hwy 24 Subdivision Filing 1A Lots 1, 2 & 3	1/3/2019
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	1,000.00	CY @	\$ 5	\$ 5,000.00	\$ 5,000.00 *
Permanent Seeding* (inc. noxious weed mgmt.)	0.60	AC @	\$ 582	\$ 349.20	\$ 349.20 *
Mulching*	0.60	AC @	\$ 507	\$ 304.20	\$ 304.20 *
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	540.00	LF @	\$ 4	\$ 2,160.00	\$ 2,160.00
Temporary Seeding	0.60	AC @	\$ 485	\$ 291.00	\$ 291.00
Temporary Mulch	0.60	AC @	\$ 507	\$ 304.20	\$ 304.20
Erosion Bales	6.00	EA @	\$ 21	\$ 126.00	\$ 126.00
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.					
Section 1 Subtotal				\$ 12,866.60	\$ 12,866.60

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$ 1,000	\$	\$ - *
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 @	\$	\$	\$ - *
Epoxy Pavement Marking		SF @	\$ 12	\$	\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22	\$	\$ - *
Baricade - Type 3		EA @	\$ 115	\$	\$ - *
Deflector (Type I)		EA @	\$ 21	\$	\$ - *
Curb and Gutter, Type C (Ramp)		LF @	\$ 21	\$	\$ - *
Curb and Gutter, Type A (6" Vertical)		LF @	\$ 18	\$	\$ - *
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	=	\$	\$	-	*
21" 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	@	\$	\$68	=	\$	\$	-	*
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 30"		EA	@	\$	800	=	\$	\$	-	*
End Treatment- Headwall		EA	@	\$		=	\$	\$	-	*
End Treatment- Wingwall		EA	@	\$		=	\$	\$	-	*
End Treatment - Cutoff Wall		EA	@	\$		=	\$	\$	-	*
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$	\$3,781	=	\$	\$	-	*
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	@	\$	\$6,594	=	\$	\$	-	*
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	@	\$	\$9,000	=	\$	\$	-	*
Curb Inlet (Type R) L =15', 10'-15' Depth		EA	@	\$	\$9,800	=	\$	\$	-	*
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	@	\$	\$4,675	=	\$	\$	-	*
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	69.00	CY	@	\$	\$450	=	\$	31,050.00	\$	31,050.00 *
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						=	\$	31,050.00	\$	31,050.00 **
				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)		@	\$	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
Concrete Sidewalk		SY @	\$ 338	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
- Storm Drain Improvements					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
			5,000	=	\$ -
18" HDPE Pipe	346.00	LF	\$69	=	\$ 23,874.00
24" RCP Pipe	50.00	LF	\$75	=	\$ 3,750.00
Flared End Section (FES) HDPE 18"	1.00	EA	450	=	\$ 450.00
Flared End Section (FES) RCP 24"	1.00	EA	500	=	\$ 500.00
Type C Inlet	3.00	EA	3,270	=	\$ 9,810.00
Detention Outlet Structure	1.00	EA	5,000	=	\$ 5,000.00
Detention Emergency Spillway	1.00	EA @	\$ 1,500	=	\$ 1,500.00
Rip Rap, 450 Size from 8" to 24"		CY @	\$ 98	=	\$ -
		@	\$	=	\$ -
- Water System Improvements					
Water Main Pipe (PVC), Size 8"		LF @	\$ 94	=	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF @	\$ 137	=	\$ -
Gate Valves, 6"		EA @	\$ 1,852	=	\$ -
Fire Hydrant Assembly w/ all valves		EA @	\$ 8,430	=	\$ -
Water Service Line Installation, including tap and valves	3.00	EA @	\$ 1,253	=	\$ 3,759.00
Fire Cystem Installation, complete		EA @	\$	=	\$ -
- Sanitary Sewer Improvements					
Sewer Main Pipe (PVC), Size 8"	340.00	LF @	\$ 94	=	\$ 31,960.00
Sanitary Sewer Manhole, Depth < 16 feet	1.00	EA @	\$ 4,575	=	\$ 4,575.00
Sanitary Service Line Installation, complete	3.00	EA @	\$ 1,516	=	\$ 4,548.00
Sanitary Sewer Lift Station, complete		EA @	\$ 1,516	=	\$ -
- Landscaping (If Applicable)					
(Use 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				=	\$ 89,726.00
					89,726.00

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	\$135,142.60
(Sum of all section subtotals)	
Total Remaining Construction Financial Assurance	135,142.60
(Sum of all section totals less credit for items complete)	
Total Defect Warranty Financial Assurance	\$7,340.68
(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.

[Signature] 2/4/19
 Engineer Date



[Signature] 2/4/19
 Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date