

Please use the new 2019
FAE form (attached)



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

11/14/18

Add PCD File No. SF1911

Project Information	
Abert Ranch (10 lots; 2,340 LF of roadway)	2/15/2019
Project Name	Date

Verify the length of the silt fence.
The GEC shows more than 500'.

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	15,900.00	CY @	\$ 5 = \$ 79,500.00		\$ 79,500.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	2.00	AC @	\$ 582 = \$ 1,164.00		\$ 1,164.00 *
Mulching*	2.00	AC @	\$ 507 = \$ 1,014.00		\$ 1,014.00 *
Permanent Erosion Control Blanket*	2,885.00	SY @	\$ 6 = \$ 17,310.00		\$ 17,310.00 *
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	300.00	LF @	\$ 4 = \$ 1,200.00		\$ 1,200.00
Temporary Seeding		AC @	\$ 485 = \$ -		\$ -
Temporary Mulch		AC @	\$ 507 = \$ -		\$ -
Erosion Bales		EA @	\$ 21 = \$ -		\$ -
Erosion Logs	84.00	LF @	\$ 6 = \$ 504.00		\$ 504.00
Rock Ditch Checks		EA @	\$ - = \$ -		\$ -
Inlet Protection	3.00	EA @	\$ 153 = \$ 459.00		\$ 459.00
Sediment Basin	1.00	EA @	\$ 1,625 = \$ 1,625.00		\$ 1,625.00
Concrete Washout Basin		EA @	\$ 776 = \$ -		\$ -
		@	\$ - = \$ -		\$ -
* 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				= \$ 104,401.00	\$ 104,401.00

Concrete washout is shown on the GEC.

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$ - = \$ -		\$ - *
Aggregate Base Course (120 lb/cf @ 6" thick)	2,600.00	Tons @	\$ 18 = \$ 46,800.00		\$ 46,800.00 *
Asphalt Pavement (110 lb/sy/in @ 4" thick)	1,840.00	Tons @	\$ 65 = \$ 119,600.00		\$ 119,600.00 *
Raised Median, Paved		SF @	\$ 7 = \$ -		\$ - *
Electrical Conduit, Size =		LF @	\$ 14 = \$ -		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000 = \$ -		\$ - *
Regulatory Sign	2.00	EA @	\$ 100 = \$ 200.00		\$ 200.00 *
Advisory Sign	2.00	EA @	\$ 100 = \$ 200.00		\$ 200.00 *
Guide/Street Name Sign	2.00	EA @	\$ 100 = \$ 200.00		\$ 200.00 *
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		102.00	LF	@	\$	\$69	=	\$	7,038.00	\$	7,038.00	*
24" Reinforced Concrete Pipe			LF	@	\$	\$84	=	\$		\$	-	*
30" Reinforced Concrete Pipe		70.00	LF	@	\$	\$94	=	\$	6,580.00	\$	6,580.00	*
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	18"	4.00	EA	@	\$	414	=	\$	1,656.00	\$	1,656.00	*
Flared End Section (FES) RCP	30"	2.00	EA	@	\$	564	=	\$	1,128.00	\$	1,128.00	*
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"		10.00	CY	@	\$	\$98	=	\$	980.00	\$	980.00	*

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	@	\$		=	\$		\$	-	*	
<p>* 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</p>												
Section 2 Subtotal						=	\$	184,382.00		\$	184,382.00	**

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, 4" thick		SY	@	\$ \$38	=	\$ -
Mailbox Pad	1.00	EA	@	\$ \$1,500	=	\$ 1,500.00
			@	\$	=	\$ -
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$ -
			@	\$	=	\$ -
			@	\$	=	\$ -
42" HDPE Pond Outlet Pipe	76.00	LF	@	\$ \$134	=	\$ 10,184.00 *
Flared End Section (FES) RCP 42"	1.00	EA	@	\$ 804	=	\$ 804.00 *
Rip Rap, d50 Size from 6" to 24"	5.00	CY	@	\$ \$98	=	\$ 490.00 *
Detention Outlet Structure	1.00	EA	@	\$ 8,000	=	\$ 8,000.00 *
Detention Emergency Spillway	1.00	EA	@	\$ 6,000	=	\$ 6,000.00 *
- 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	=	\$ 26,978.00
						26,978.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$2,000</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	<u>\$317,761.00</u>
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	<u>317,761.00</u>
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	<u>\$56,674.00</u>
	(20% of all items identified as public improvements*). To be collateralized at time of preliminary acceptance)	

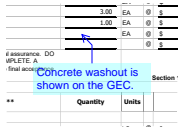
Approvals

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

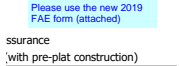
Markup Summary

Daniel Torres (5)



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Page Label: 1
Author: Daniel Torres
Date: 6/10/2019 4:58:34 PM
Color: ■

Concrete washout is shown on the GEC.



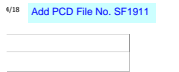
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Please use the new 2019 FAE form (attached)



Subject: Callout
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Verify the length of the silt fence. The GEC shows more than 500'.



Subject: Text Box
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Add PCD File No. SF1911



Subject: File Attachment
Page Label: 1
Author: Daniel Torres
Date: 6/13/2019 7:05:25 AM
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