Financial Assurance

Estimate Form (with pre-plat construction)

Provide quantities for the Straw Bale Check Dams.

Project Information	
Settlers Ranch Filing No. 2C (11 lots; 1,755 LF)	5/18/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price			% Complete	Remaining	
Earthwork*	8,000.00	CY	@	$ $5	=	$ 40,000.00		$ 40,000.00	*
Permanent Seeding*	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*	1,400.00	SY	@	$ $6	=	$ 8,400.00		$ 8,400.00	*
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	650.00	LF	@	$ $4	=	$ 2,600.00		$ 2,600.00	
Temporary Seeding		AC	@	$ $582	=	$		$ -	
Temporary Mulch		AC	@	$ $507	=	$		$ -	
Erosion Bales		EA	@	$ $21	=	$		$ -	
Erosion Logs		LF	@	$ $6	=	$		$ -	
Rock Ditch Checks		EA	@	$	=	$		$ -	
Inlet Protection	1.00	EA	@	$ $153	=	$ 153.00		$ 153.00	
Sediment Basin		EA	@	$ $1,625	=	$		$ -	
Concrete Washout Basin		EA	@	$ $776	=	$		$ -	
			@	$	=	$		$ -	
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.				**Section 1 Subtotal**	=	$ 54,956.00		$ 54,956.00	

Add a second VTC at the cul-de-sac

Section 2 - Public Improvements**	Quantity	Units		Price			% Complete	Remaining	
- Roadway Improvements									
Construction Traffic Control		LS	@	$ $1,000	=	$		$ -	*
Aggregate Base Course	1,900.00	Tons	@	$ $18	=	$ 34,200.00		$ 34,200.00	*
Asphalt Pavement	1,200.00	Tons	@	$ $65	=	$ 78,000.00		$ 78,000.00	*
Raised Median, Paved		SF	@	$ $2	=	$		$ -	*
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	1.00	EA	@	$ $115	=	$ 115.00		$ 115.00	*
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	=	$		$ -	*

This appears to only be for Settlers Ranch Rd. Update quantities to account for the cul-de-sac

Provide quantity for the street name sign at the cul-de-sac.

Replace the barricade with a temporary cul-de-sac.

Add "PCD File No. SF-18-018"

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		66.00	LF	@	$	$69	=	$	4,554.00	$	4,554.00 *
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	=	$		$	- *
High Density Polyethylene (HDPE) Pipe	Size		LF	@	$		=	$		$	- *
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"	2.00	EA	@	$	414	=	$	828.00	$	828.00 *
Flared End Section (FES) HDPE	┼		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"		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	@	$	=	$		$ -	*
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. ┼ For flared end sections, multiply pipe LF cost by 6				**Section 2 Subtotal**	=	118,187.00 $		118,187.00	**

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		SY	@	$ $38	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- Storm Drain Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
		LF	@	$	=	$		$ -
		EA	@	$	=	$		$ -
- 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**	=	$		

Provide cost for as-built drawings.

Financial Assurance Totals		
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**	$	
(Inc. survey to verify detention pond volumes.)	**Total Construction Financial Assurance**	$173,143.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	173,143.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	$33,753.00
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)	

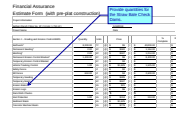
Approvals

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.

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

Markup Summary

dsdlaforce (7)



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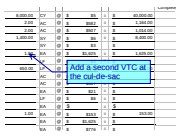
Provide quantities for the Straw Bale Check Dams.



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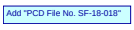
Add a second VTC at the cul-de-sac



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Add "PCD File No. SF-18-018"

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Date: 7/24/2018 9:52:13 AM
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Replace the barricade with a temporary cul-de-sac.

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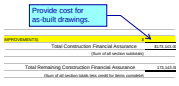
Provide quantity for the street name sign at the cul-de-sac.



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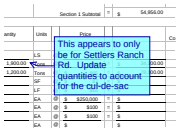
Provide cost for as-built drawings.



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This appears to only be for Settlers Ranch Rd. Update quantities to account for the cul-de-sac