

Provide temp. seeding and mulching  
 quantity to match disturbed acreage  
 minus permanent seeding.

2015 Financial Assurance (Basic form) 3/17/2015  
 Estimate Form

<b>Project Information</b>	
Freedom Springs	3/5/18
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*	9,900.00	CY @	\$5	=	\$ 49,500.00 *
Permanent Seeding*	1.80	AC @	\$582	=	\$ 1,047.60 *
Mulching*	1.80	AC @	\$507	=	\$ 912.60 *
Permanent Erosion Control Blanket*		SY @	\$6	=	\$ *
Temporary Erosion Control Blanket		SY @	\$3	=	\$
Vehicle Tracking Control	1.00	EA @	\$1,625	=	\$ 1,625.00
Safety Fence		LF @	\$3	=	\$
Silt Fence	1,145.00	LF @	\$4	=	\$ 4,580.00
Temporary Seeding		AC @	\$485	=	\$
Temporary Mulch		AC @	\$507	=	\$
Erosion Bales		EA @	\$21	=	\$
Erosion Logs	504.00	LF @	\$6	=	\$ 3,024.00
Rock Ditch Checks		EA @		=	\$
Inlet Protection	6.00	EA @	\$153	=	\$ 918.00
Sediment Basin		EA @	\$1,625	=	\$
Concrete Washout Basin	1.00	EA @	\$776	=	\$ 776.00
		@	\$	=	\$
Specified items subject to defect warranty financial assurance					
<b>Section 1 Subtotal</b>					<b>\$ 62,383.20</b>

Rock socks?

Section 2 - Public Improvements**	Quantity	Units	Price		
<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	=	\$

Provide for public sidewalk

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase	1.00	EA	@	\$	\$1,300	=	\$ 1,300.00
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	=	\$
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                                      †		EA	@	\$		=	\$
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"	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	@	\$	=	\$
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6			<b>Section 2 Subtotal</b>	=	\$ 1,300.00 **

Provide for public sidewalk.

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		
<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)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
	Concrete Sidewalk		SY	\$ 38	= \$
		@	\$	= \$	
		@	\$	= \$	
<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)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Tupe 16 Combination Inlet	4.00		@	\$ 3,800	= \$ 15,200.00
HDPE Storm Drain	1,040.00		@	\$ 45	= \$ 46,800.00
Sand Filter Basin	1.00		@	\$ 10,500	= \$ 10,500.00
<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, inc. tap & valves		EA	@	\$ 1,253	= \$
Fire Cistern 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	@	\$	= \$
<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>		= \$ 72,500.00

<b>Financial Assurance Totals</b>	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) ( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total</b> = \$ <u>136,183.20</u>
	(Sum of all Section Totals)
	Public Improvements Total* ** = \$ 52,760.20
	<b>Defect Warranty Financial Assurance Total</b> = \$ <u>10,552.04</u>
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)

**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.

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Engineer Date  
(P.E. Seal)

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Approved by Owner / Applicant Date

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Approved by El Paso County Engineer / ECM Administrator Date

# Markup Summary

dsdrice (4)



**Subject:** Cloud+  
**Page Label:** 1  
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**Author:** dsdrice  
**Date:** 10/2/2018 12:30:22 PM  
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Provide temp. seeding and mulching quantity to match disturbed acreage minus permanent seeding.



**Subject:** Callout  
**Page Label:** 1  
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**Author:** dsdrice  
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Rock socks?



**Subject:** Cloud+  
**Page Label:** 1  
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Provide for public sidewalk



**Subject:** Cloud+  
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Provide for public sidewalk.