

2021 Financial Assurance Estimate Form
(with pre-plat construction)

PPR-21-019

Updated: 12/22/2020

PROJECT INFORMATION		
WWSO Lake Pump Station No. 2 and Pipeline	2/19/2021	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)								
* Earthwork								
less than 1,000; \$5,300 min	13,000	CY	\$ 8.00	=	\$ -		\$ -	
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -	
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ 65,000.00		\$ 65,000.00	
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)	1	AC	\$ 828.00	=	\$ 828.00		\$ 828.00	
* Mulching		AC	\$ 777.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ -	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	3	EA	\$ 2,453.00	=	\$ 7,359.00		\$ 7,359.00	
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -	
Temporary Seeding	1	AC	\$ 650.00	=	\$ 650.00		\$ 650.00	
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle	5,200	LF	\$ 5.00	=	\$ 26,000.00		\$ 26,000.00	
Rock Check Dams	9	EA	\$ 518.00	=	\$ 4,662.00		\$ 4,662.00	
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -	
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -	
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00	
				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 13,861.05		\$ 13,861.05
Section 1 Subtotal					=	\$ 119,292.05		\$ 119,292.05

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

provide erosion control blanket quantity

From the GEC Plans, it appears that these 9 items are actually Rock Socks. Rock Check Dams are riprap based weirs. So you can change this Qty to 0. There is not actually a separate line item on this form for Rock Socks. You can include them with the Erosion Logs line.

However, after reviewing GEC Plans some more, you may end up placing Rock Check dams in roadside ditches. So just revise quantity for this row accordingly.

PROJECT INFORMATION								
WWSO Lake Pump Station No. 2 and Pipeline		2/19/2021		PCD File No.				
Project Name		Date		PCD File No.				
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining	
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control	1	LS	\$ 63,000.00	=	\$ 63,000.00		\$ 63,000.00	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)	28	CY	\$ 52.00	=	\$ 1,456.00		\$ 1,456.00	
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -	
Asphalt Pavement (4" thick)	250	SY	\$ 20.00	=	\$ 5,000.00		\$ 5,000.00	
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	6	EA	\$ 311.00	=	\$ 1,866.00		\$ 1,866.00	
Guide/Street Name Sign		EA		=	\$ -		\$ -	
Epoxy Pavement Marking	50	SF	\$ 14.00	=	\$ 700.00		\$ 700.00	
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -	
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -	
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)	250	LF	\$ 31.00	=	\$ 7,750.00		\$ 7,750.00	
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -	
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -	
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -	
6" Sidewalk	4	SY	\$ 75.00	=	\$ 300.00		\$ 300.00	
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -	
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -	
Cross Pan, local (8" thick, 6' wide to include return)	50	LF	\$ 63.00	=	\$ 3,150.00		\$ 3,150.00	
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -	
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -	
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -	
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -	
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>								
STORM DRAIN IMPROVEMENTS								
End Treatment- Headwall	3	EA	\$ 600.00	=	\$ 1,800.00		\$ 1,800.00	
End Treatment- Wingwall		EA		=	\$ -		\$ -	
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$ -		\$ -	
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -	
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -	
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -	
Drainage Channel Lining, Rip Rap	10	CY	\$ 116.00	=	\$ 1,160.00		\$ 1,160.00	
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -	
Type M Rip Rap	675	CY	\$ 90.00	=	\$ 60,750.00		\$ 60,750.00	
<i>[insert items not listed but part of construction plans]</i>								
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)								
Section 2 Subtotal					=	\$ 146,932.00		\$ 146,932.00

PROJECT INFORMATION

WWSD Lake Pump Station No. 2 and Pipeline 2/19/2021
 Project Name Date PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$ -		\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$ -		\$ -
Water Service Line Installation, inc. tap and valves	1	EA	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
Fire Cistem Installation, complete				= \$ -		\$ -
Water Main Pipe (PVC), Size 12"	4,800			= \$ 604,800.00		\$ 604,800.00
Gate Valves, 12"	6			= \$ 25,800.00		\$ 25,800.00
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
Section 3 Subtotal				= \$ 640,600.00		\$ 640,600.00

provide quantities for trees removed/replaced.

AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs) LS = \$ - \$ -
 POND/BMP CERTIFICATION (inc. elevations and volume calculations) LS = \$ - \$ -

Total Construction Financial Assurance \$ 906,824.05

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 906,824.05

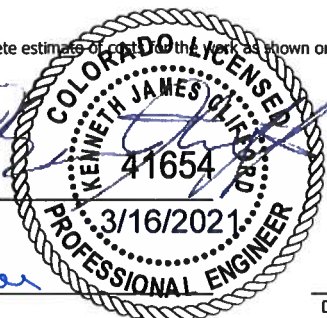
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance \$ 42,552.00

(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)

Approvals
 I hereby certify that this is an accurate and complete estimate of cost of the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Digitally signed by
 Kenneth J. Clifford
 Contact Info
 kclifford@jvajva.com
 Date: 2021.03.16
 22:02:26-06'00'



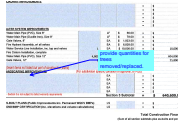
Engineer (P.E. Seal Required)
Kenneth J. Clifford
 Approved by Owner / Applicant

Date 3-18-21

Approved by El Paso County Engineer / ECM Administrator _____ Date _____

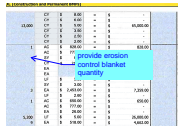
Financial Assurance Forms_V1.pdf Markup Summary

dsdlaforce (2)



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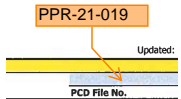
provide quantities for trees removed/replaced.



Subject: Callout
Page Label: 1
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provide erosion control blanket quantity

EPC Stormwater - Glenn Reese (2)



Subject: SW - Comment
Page Label: 1
Author: EPC Stormwater - Glenn Reese
Date: 4/19/2021 2:10:32 PM
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PPR-21-019



Subject: SW - Comment
Page Label: 1
Author: EPC Stormwater - Glenn Reese
Date: 4/19/2021 5:38:49 PM
Status:
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