

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

Updated: 12/22/2020

PROJECT INFORMATION		
WWSD Lake Pump Station No. 2 and Pipeline	7/15/2021	PPR-2119
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	999	CY	\$ 8.00	=	\$ 7,992.00		\$ 7,992.00 *
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ - *
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ - *
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	1	AC	\$ 777.00	=	\$ 777.00		\$ 777.00 *
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ - *
* 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	1	AC	\$ 777.00	=	\$ 777.00		\$ 777.00
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle	4,380	LF	\$ 5.00	=	\$ 21,900.00		\$ 21,900.00
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
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)					=	\$ 11,066.30	\$ 11,066.30
Section 1 Subtotal					=	\$ 52,281.30	\$ 52,281.30

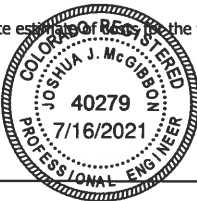
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION							
WWSO Lake Pump Station No. 2 and Pipeline		7/15/2021		PPR-2119			
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							
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		CY	\$ 90.00	=	\$ -		\$ - *
<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					=	\$ 84,382.00	\$ 84,382.00

PROJECT INFORMATION							
WWSL Lake Pump Station No. 2 and Pipeline		7/15/2021		PPR-2119			
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
GRADING AND EROSION CONTROL							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min	13,000	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 Erosion Control Blanket	850	SY	\$ 6.00	=	\$ 5,100.00		\$ 5,100.00
Erosion Logs/Straw Waddle	1,020	LF	\$ 5.00	=	\$ 5,100.00		\$ 5,100.00
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 Cistern Installation, complete		EA		=	\$ -		\$ -
Water Main Pipe (PVC), Size 12"	4,800	LF	\$ 126.00	=	\$ 604,800.00		\$ 604,800.00
Gate Valves, 12"	6	EA	\$ 4,300.00	=	\$ 25,800.00		\$ 25,800.00
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
End Treatment- Headwall	3	EA	\$ 600.00	=	\$ 1,800.00		\$ 1,800.00
Type M Rip Rap	675	CY	\$ 90.00	=	\$ 60,750.00		\$ 60,750.00
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
Trees to be Removed/Replaced	12	EA	\$ 2,000.00	=	\$ 24,000.00		\$ 24,000.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				Section 3 Subtotal	= \$ 802,350.00		\$ 802,350.00
** - Section 3 is not subject to defect warranty requirements							
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		=	\$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -		\$ -
Total Construction Financial Assurance						\$ 939,013.30	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 939,013.30	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 18,795.80	
(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 the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.



Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

7-16-21

Date

APPROVED
Engineering Department

07/16/2021 11:41:39 AM
dsdnijkamp

EPC Planning & Community
Development Department

Construction BMP's contained within the pond have not been listed here due to runoff will flow directly into the pond.