

# 2024 Financial Assurance Estimate Form (with pre-plat construction)

PPR2422

Updated: 10/2023

PROJECT INFORMATION	
UDON South	6/26/2024
Project Name	relocate to correct cell
	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>							
Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min	35828	CY	\$ 6.00	=	\$ 214,968.00		\$ 214,968.00
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 Erosion Control Blanket		SY	\$ 9.00	=	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt) & Mulching	7	AC	\$ 2,018.00	=	\$ 14,126.00		\$ 14,126.00
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00
Concrete Washout Basin	1	EA	\$ 1,172.00	=	\$ 1,172.00		\$ 1,172.00
Inlet Protection	7	EA	\$ 217.00	=	\$ 1,519.00		\$ 1,519.00
Rock Check Dam		EA	\$ 651.00	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin	1	EA	\$ 2,294.00	=	\$ 2,294.00		\$ 2,294.00
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -
Silt Fence	3330	LF	\$ 3.00	=	\$ 9,990.00		\$ 9,990.00
Slope Drain		LF	\$ 43.00	=	\$ -		\$ -
Straw Bale		EA	\$ 33.00	=	\$ -		\$ -
Straw Wattle/Rock Sock		LF	\$ 8.00	=	\$ -		\$ -
Surface Roughening	18	AC	\$ 269.00	=	\$ 4,842.00		\$ 4,842.00
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,793.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 3,085.00	=	\$ 3,085.00		\$ 3,085.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ 7,605.50		\$ 7,605.50
<b>Section 1 Subtotal</b>				=	\$ <b>261,601.50</b>		\$ <b>261,601.50</b>

## SECTION 2 - PUBLIC IMPROVEMENTS \*

ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 114.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 11.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 392.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking				=	\$ -		\$ -
Thermoplastic Pavement Marking				=	\$ -		\$ -
Barricade - Type 3				=	\$ -		\$ -
Delineator - Type I				=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 77.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 94.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,496.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	=	\$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 65.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,902.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 22.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

relocate to correct cell

Update this cost Provide cost estimate in FDR. This cost should include all pond costs.

This should match the estimate in the drainage report.

**PROJECT INFORMATION**

**UDON South**

**6/26/2024**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>								
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$	-		\$ -
18" Reinforced Concrete Pipe		LF	\$ 82.00	=	\$	-		\$ -
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$	-		\$ -
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$	-		\$ -
36" Reinforced Concrete Pipe		LF	\$ 151.00	=	\$	-		\$ -
42" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$	-		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$	-		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$	-		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$	-		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	=	\$	-		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$	-		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$	-		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	=	\$	-		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	=	\$	-		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	=	\$	-		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	=	\$	-		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	=	\$	-		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	=	\$	-		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	=	\$	-		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	=	\$	-		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$	-		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$	-		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$	-		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$	-		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$	-		\$ -
End Treatment- Headwall		EA		=	\$	-		\$ -
End Treatment- Wingwall		EA		=	\$	-		\$ -
End Treatment - Cutoff Wall		EA		=	\$	-		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 7,212.00	=	\$	-		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 9,377.00	=	\$	-		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,925.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 10,230.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$	-		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 12,907.00	=	\$	-		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 13,835.00	=	\$	-		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$	-		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 13,755.00	=	\$	-		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	=	\$	-		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$	-		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$	-		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 15,130.00	=	\$	-		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 8,322.00	=	\$	-		\$ -
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$	-		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$	-		\$ -
Rip Rap, Grouted		Tons	\$ 124.00	=	\$	-		\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$	-		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$	-		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$	-		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$	-		\$ -
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<b>Section 2 Subtotal</b>				=	\$	-		\$ -

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

PROJECT INFORMATION	
UDON South	6/26/2024
Project Name	Date

these private improvements should be removed

Description	Quantity	Units	Unit Cost	Total	% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)*</b>						
<b>ROADWAY IMPROVEMENTS</b>						
Aggregate Base Course (135 lbs/cf) (4" thick)	5792.	CY	\$ 66.00	\$ 382,272.00		\$ 382,272.00 *
4" Sidewalk (common areas only)	50.	SY	\$ 62.00	\$ 3,100.00		\$ 3,100.00 *
6" Concrete	70.	SY	\$ 94.00	\$ 6,580.00		\$ 6,580.00 *
				\$ -		\$ -
				\$ -		\$ -
				\$ -		\$ -
				\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>						
(Exception: Permanent Pond/BMP shall be itemized under Section 1)						
30" Reinforced Concrete Pipe	153.	LF	\$ 123.00	\$ 18,819.00		\$ 18,819.00 *
36" Reinforced Concrete Pipe	120.	LF	\$ 151.00	\$ 18,120.00		\$ 18,120.00 *
42" Reinforced Concrete Pipe	47.	LF	\$ 201.00	\$ 9,447.00		\$ 9,447.00 *
Flared End Section (FES) RCP Size = 30" <small>(unit cost = 6x pipe unit cost)</small>	1.	EA	\$ 738.00	\$ 738.00		\$ 738.00 *
Flared End Section (FES) CSP Size = 36" <small>(unit cost = 6x pipe unit cost)</small>	4.	EA	\$ 906.00	\$ 3,624.00		\$ 3,624.00 *
Flared End Section (FES) CSP Size = 42" <small>(unit cost = 6x pipe unit cost)</small>	1.	EA	\$ 1,206.00	\$ 1,206.00		\$ 1,206.00 *
Grated Inlet (Type D), Depth < 5'	1.	EA	\$ 7,458.00	\$ 7,458.00		\$ 7,458.00 *
Rip Rap, d50 size from 6" to 24"	180.	Tons	\$ 104.00	\$ 18,720.00		\$ 18,720.00 *
<b>WATER SYSTEM IMPROVEMENTS</b>						
Water Main Pipe (PVC), Size 8"		LF	\$ 84.00	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	\$ -		\$ -
Gate Valves, 8"		EA	\$ 2,418.00	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	\$ -		\$ -
Fire Cistern Installation, complete		EA		\$ -		\$ -
				\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 84.00	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		\$ -		\$ -
				\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b>						
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
<b>Section 3 Subtotal</b>				<b>\$ 470,084.00</b>		<b>\$ 470,084.00</b>

The pond costs should be in Section I as a total. Detail in the FDR and ensure it matches the FAE. The other non pond infrastructure can remain in Sec III

\*\* - Section 3 is not subject to defect warranty requirements

**PROJECT INFORMATION**

<b>UDON South</b>	<b>6/26/2024</b>	
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)			\$ 5,000.00	=	\$ 5,000.00	\$	5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 8,000.00	=	\$ 8,000.00	\$	8,000.00
<b>Total Construction Financial Assurance</b>						<b>\$</b>	<b>744,685.50</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$</b>	<b>744,685.50</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
<b>Total Defect Warranty Financial Assurance</b>						<b>\$</b>	<b>46,218.80</b>
(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 costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer stamp sign  
Owner sign

\_\_\_\_\_  
Engineer (P.E. Seal Required)

\_\_\_\_\_  
Approved by Owner / Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Approved by El Paso County Engineer / ECM Administrator

\_\_\_\_\_  
Date