

PCD File #
PPR-22-56

2022 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 11/4/2021

PROJECT INFORMATION		
U-Haul at Falcon	8/26/2022	
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		CY	\$ 8.00	=	\$ -		\$ -	
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -	
5,001-20,000; \$30,000 min	12,000	CY	\$ 5.00	=	\$ 60,000.00		\$ 60,000.00	
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$300,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)				=	\$ -		\$ -	
* Mulching				=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	2	EA	\$ 2,625.00	=	\$ 5,250.00		\$ 5,250.00	
Silt Fence	2,464	LF	\$ 3.00	=	\$ 7,392.00		\$ 7,392.00	
Temporary Seeding		AC	\$ 695.00	=	\$ -		\$ -	
Temporary Mulch		AC	\$ 831.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 28.00	=	\$ -		\$ -	
Erosion Logs/Straw Wattles	1,060	LF	\$ 6.00	=	\$ 6,360.00		\$ 6,360.00	
Rock Check Dams	1	EA	\$ 554.00	=	\$ 554.00		\$ 554.00	
Inlet Protection	8	EA	\$ 185.00	=	\$ 1,480.00		\$ 1,480.00	
Sediment Basin	1	EA	\$ 1,952.00	=	\$ 1,952.00		\$ 1,952.00	
Concrete Washout Basin	1	EA	\$ 997.00	=	\$ 997.00		\$ 997.00	
Stabilized Staging Area	1	EA	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00	
Rock Socks	6	EA	\$ 150.00	=	\$ 900.00		\$ 900.00	
Drainage Swale	810	LF	\$ 4.00	=	\$ 3,240.00		\$ 3,240.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 10,368.75		\$ 10,368.75
Section 1 Subtotal					=	\$ 99,993.75		\$ 99,993.75

SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 16.00	=	\$ -		\$ -

Please remove stormwater pipe, and SS manholes that are not located in the public ROW from Section #2 and place in Section #3 for maintenance by others.

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Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)			
							% Complete	Remaining		
[insert items not listed but part of construction plans]				=	\$	-		\$ -		
[insert items not listed but part of construction plans]				=	\$	-		\$ -		
STORM DRAIN IMPROVEMENTS										
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -		
18" Reinforced Concrete Pipe		LF	\$ 70.00	=	\$	-		\$ -		
24" Reinforced Concrete Pipe		LF	\$ 83.00	=	\$	-		\$ -		
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$	-		\$ -		
36" Reinforced Concrete Pipe		LF	\$ 128.00	=	\$	-		\$ -		
42" Reinforced Concrete Pipe	369	LF	\$ 171.00	=	\$	63,099.00		\$ 63,099.00		
48" Reinforced Concrete Pipe	797	LF	\$ 209.00	=	\$	166,573.00		\$ 166,573.00		
54" Reinforced Concrete Pipe		LF	\$ 272.00	=	\$	-		\$ -		
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$	-		\$ -		
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$	-		\$ -		
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$	-		\$ -		
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$	-		\$ -		
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$	-		\$ -		
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$	-		\$ -		
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$	-		\$ -		
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$	-		\$ -		
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$	-		\$ -		
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$	-		\$ -		
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$	-		\$ -		
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$	-		\$ -		
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$	-		\$ -		
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$	-		\$ -		
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$	-		\$ -		
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 2,750.00	=	\$	-		\$ -		
End Treatment- Headwall		EA		=	\$	-		\$ -		
End Treatment- Wingwall		EA		=	\$	-		\$ -		
End Treatment- Cutoff Wall		EA		=	\$	-		\$ -		
Forebay into Pond WU	1	EA	\$ 45,000.00	=	\$	-		\$ 45,000.00		
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 8,447.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,984.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,775.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 11,706.00	=	\$	-		\$ -		
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,920.00	=	\$	-		\$ -		
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$	-		\$ -		
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$	-		\$ -		
Grated Inlet (Type 13 Valley)		EA	\$ 6,500.00	=	\$	-		\$ -		
Storm Sewer Manhole, Box Base	6	EA	\$ 12,876.00	=	\$	77,256.00		\$ 77,256.00		
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	=	\$	-		\$ -		
Geotextile (Erosion Control)		SY	\$ 7.00	=	\$	-		\$ -		
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00	=	\$	-		\$ -		
Rip Rap, Grouted		Tons	\$ 105.00	=	\$	-		\$ -		
Drainage Channel Construction, Size (10 W x 1.5 H)		LF	\$ 180.00	=	\$	-		\$ -		
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$	-		\$ -		
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	=	\$	-		\$ -		
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$	-		\$ -		
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -		
[insert items not listed but part of construction plans]				=	\$	-		\$ -		
[insert items not listed but part of construction plans]				=	\$	-		\$ -		
Section 2 Subtotal						=	\$	351,928.00	\$	351,928.00

Add sidewalk along Meridian

Move to Section #1 and include trickle channel in design and cost

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

PROJECT INFORMATION

U-Haul at Falcon	8/26/2022	
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							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
18" Reinforced Concrete Pipe	110	LF	\$ 70.00	=	\$ 7,700.00		\$ 7,700.00
24" Reinforced Concrete Pipe	770	LF	\$ 83.00	=	\$ 63,910.00		\$ 63,910.00
18" Corrugated Steel Pipe	0	LF	\$ 90.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 420.00	=	\$ 420.00		\$ 420.00
Flared End Section (FES) RCP Size = 24 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 498.00	=	\$ 498.00		\$ 498.00
Curb Inlet (Type R) L=5', Depth < 5'	1	EA	\$ 6,138.00	=	\$ 6,138.00		\$ 6,138.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA	\$ 7,981.00	=	\$ 7,981.00		\$ 7,981.00
Grated Inlet (Type C), Depth < 5'	0	EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type 13 Valley)	1	EA	\$ 6,500.00	=	\$ 6,500.00		\$ 6,500.00
Storm Sewer Manhole, Box Base	1	EA	\$ 12,876.00	=	\$ 12,876.00		\$ 12,876.00
Storm Sewer Manhole, Slab Base	2	EA	\$ 7,082.00	=	\$ 14,164.00		\$ 14,164.00
Rip Rap, d50 size from 6" to 24"	0	Tons	\$ 89.00	=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	1,124	LF	\$ 71.00	=	\$ 79,804.00		\$ 79,804.00
Water Main Pipe (DIP), Size 6"	425	LF	\$ 65.00	=	\$ 27,625.00		\$ 27,625.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"	6	EA	\$ 2,058.00	=	\$ 12,348.00		\$ 12,348.00
Fire Hydrant Assembly, w/ all valves	4	EA	\$ 7,306.00	=	\$ 29,224.00		\$ 29,224.00
Water Service Line Installation, inc. tap and valves	2	EA	\$ 1,466.00	=	\$ 2,932.00		\$ 2,932.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Service Pipe (PVC), Size 6"	499	LF	\$ 65.00	=	\$ 32,435.00		\$ 32,435.00
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete	2	EA	\$ 1,553.00	=	\$ 3,106.00		\$ 3,106.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<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		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 307,661.00	\$ 307,661.00

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

provide costs

PROJECT INFORMATION

U-Haul at Falcon	8/26/2022	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance					\$	759,582.75
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	759,582.75
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	82,385.60
(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 (P.E. Seal Required)

Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date