

2023 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/8/2022

PROJECT INFORMATION			
Project Name	CMD LS1 Addition	Date	\$ 44,967.00 PCD File No. PPR 22254

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	1,500	CY	\$ 6.00	=	\$ 9,000.00		\$ 9,000.00
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	\$ 8.00	=	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.0	AC	\$ 1,875.00	=	\$ 1,875.00		\$ 1,875.00
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 1,089.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 202.00	=	\$ -		\$ -
Rock Check Dam		EA	\$ 605.00	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 2,132.00	=	\$ -		\$ -
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	450	LF	\$ 3.00	=	\$ 1,350.00		\$ 1,350.00
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	520	LF	\$ 7.00	=	\$ 3,640.00		\$ 3,640.00
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	482.0	SY	\$ 3.00	=	\$ 1,446.00		\$ 1,446.00
Temporary Seeding and Mulching	1.0	AC	\$ 1,666.00	=	\$ 1,666.00		\$ 1,666.00
Vehicle Tracking Control	2	EA	\$ 2,867.00	=	\$ 5,734.00		\$ 5,734.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ 4,842.60		\$ 4,842.60
MAINTENANCE (35% of Construction BMPs)				=	\$ 4,842.60		\$ 4,842.60
				=	\$ 29,553.60		\$ 29,553.60
Section 1 Subtotal				=	\$ 29,553.60		\$ 29,553.60

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

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 364.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 16.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,390.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	=	\$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,790.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

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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	\$ 76.00	=	\$	-		\$ -	
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$	-		\$ -	
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$	-		\$ -	
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$	-		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$	-		\$ -	
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$	-		\$ -	
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$	-		\$ -	
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
End Treatment- Headwall		EA		=	\$	-		\$ -	
End Treatment- Wingwall		EA		=	\$	-		\$ -	
End Treatment - Cutoff Wall		EA		=	\$	-		\$ -	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00	=	\$	-		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$	-		\$ -	
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00	=	\$	-		\$ -	
Rip Rap, Grouted		Tons	\$ 115.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$	-		\$ -	
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$	-		\$ -	
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				=	\$	-		\$ -	

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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)						
				=	\$ -	\$ -
				=	\$ -	\$ -
				=	\$ -	\$ -
				=	\$ -	\$ -
				=	\$ -	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -	\$ -
Gate Valves, 8"		EA	\$ 2,247.00	=	\$ -	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,978.00	=	\$ -	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	=	\$ -	\$ -
Fire Cistern Installation, complete		EA		=	\$ -	\$ -
				=	\$ -	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				=	\$ -	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	=	\$ -	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	=	\$ -	\$ -
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		=	\$ -	\$ -
Section 3 Subtotal				=	\$ -	\$ -

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

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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					\$	29,553.60
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	29,553.60
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	2,175.00
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Approvals

I hereby certify that the above is a true 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 _____

Approved by Owner / Applicant *[Signature]*

Date 3-2-23

Approved by El Paso County Engineer / ECM Administrator _____

Date _____