

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

Updated: 10/2023

PROJECT INFORMATION		
Circle K at Highway 24 & Meridian Road	5/15/2024	VR-22-03
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	18860.	CY	\$ 5.00	=	\$	94,300.00		\$ 94,300.00
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 mgmt.) & Mulching	5.6	AC	\$ 2,018.00	=	\$	11,300.80		\$ 11,300.80
Permanent Pond/BMP (provide engineer's estimate)	1.	EA	\$ 90,000.00	=	\$	90,000.00		\$ 90,000.00
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$	1,172.00		\$ 1,172.00
Inlet Protection	5.	EA	\$ 217.00	=	\$	1,085.00		\$ 1,085.00
Rock Check Dam	4.	EA	\$ 651.00	=	\$	2,604.00		\$ 2,604.00
Safety Fence	2090.	LF	\$ 3.00	=	\$	6,270.00		\$ 6,270.00
Sediment Basin	1.	EA	\$ 2,294.00	=	\$	2,294.00		\$ 2,294.00
Sediment Trap		EA	\$ 538.00	=	\$	-		\$ -
Silt Fence	1900.	LF	\$ 3.00	=	\$	5,700.00		\$ 5,700.00
Slope Drain		LF	\$ 43.00	=	\$	-		\$ -
Straw Bale		EA	\$ 33.00	=	\$	-		\$ -
Straw Wattle/Rock Sock	1350.	LF	\$ 8.00	=	\$	10,800.00		\$ 10,800.00
Surface Roughening		AC	\$ 269.00	=	\$	-		\$ -
Temporary Erosion Control Blanket	3096.	SY	\$ 3.00	=	\$	9,288.00		\$ 9,288.00
Temporary Seeding and Mulching	8.	AC	\$ 1,793.00	=	\$	14,344.00		\$ 14,344.00
Vehicle Tracking Control	2.	EA	\$ 3,085.00	=	\$	6,170.00		\$ 6,170.00
				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
MAINTENANCE (35% of Construction BMPs)						=	\$	20,494.25
Section 1 Subtotal						=	\$	275,822.05

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS								
Construction Traffic Control	1.	LS	\$ 10,000.00	=	\$	10,000.00		\$ 10,000.00
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	4.	EA	\$ 392.00	=	\$	1,568.00		\$ 1,568.00
Guide/Street Name Sign		EA		=	\$	-		\$ -
Epoxy Pavement Marking		SF	\$ 17.00	=	\$	-		\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	=	\$	-		\$ -
Barricade - Type 3		EA	\$ 259.00	=	\$	-		\$ -
Delineator - Type I		EA	\$ 31.00	=	\$	-		\$ -
Curb and Gutter, Type A (6" Vertical)	660.	LF	\$ 38.00	=	\$	25,080.00		\$ 25,080.00
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	1800.	SY	\$ 77.00	=	\$	138,600.00		\$ 138,600.00
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		=	\$	-		\$ -

PROJECT INFORMATION

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5/15/2024

VR-22-03

Project Name

Date

PCD File No.

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	\$ 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 = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		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				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 175,248.00		\$ 175,248.00

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

PROJECT INFORMATION

Circle K at Highway 24 & Meridian Road

5/15/2024

VR-22-03

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								
Aggregate Base Course (135 lbs/cf)	1,600	CY	\$ 66.00	=	\$ 105,600.00		\$ 105,600.00	
Asphalt Pavement (4" thick)	8,047	SY	\$ 25.00	=	\$ 201,175.00		\$ 201,175.00	
Curb and Gutter, Type A (6" Vertical)	3,215	LF	\$ 38.00	=	\$ 122,170.00		\$ 122,170.00	
4" Sidewalk (common areas only)	642	SY	\$ 62.00		\$ 39,804.00		\$ 39,804.00	
5" Sidewalk	614	SY	\$ 77.00		\$ 47,278.00		\$ 47,278.00	
Pedestrian Ramp	12	EA	\$ 1,496.00		\$ 17,952.00		\$ 17,952.00	
Cross Pan, local (8" thick, 6' wide to include return)	376	LF	\$ 79.00	=	\$ 29,704.00		\$ 29,704.00	
Cross Pan, collector (9" thick, 8' wide to include return)	210	LF	\$ 119.00	=	\$ 24,990.00		\$ 24,990.00	
Curb Opening with Drainage Chase	1	EA	\$ 1,926.00		\$ 1,926.00		\$ 1,926.00	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
15" Reinforced Concrete Pipe	302	LF	\$ 70.00	=	\$ 21,140.00		\$ 21,140.00	
Concrete Box Culvert (M Standard), Size (23"x14")	97	LF	\$ 95.00		\$ 9,215.00		\$ 9,215.00	
18" Reinforced Concrete Pipe	218	LF	\$ 82.00		\$ 17,876.00		\$ 17,876.00	
24" Reinforced Concrete Pipe	85	LF	\$ 98.00		\$ 8,330.00		\$ 8,330.00	
Storm Main Pipe (PVC), Size 6"	158	LF	\$ 70.00		\$ 11,088.70		\$ 11,088.70	
Storm Main Pipe (PVC), Size 8"	219	LF	\$ 82.00		\$ 17,958.00		\$ 17,958.00	
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost) 15"	2	EA	\$ 396.00		\$ 792.00		\$ 792.00	
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) 18"	1	EA	\$ 492.00		\$ 492.00		\$ 492.00	
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) 24"	2	EA	\$ 588.00		\$ 1,176.00		\$ 1,176.00	
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) 23"x14"	2	EA	\$ 570.00		\$ 1,140.00		\$ 1,140.00	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA	\$ 9,377.00		\$ 9,377.00		\$ 9,377.00	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'	1	EA	\$ 12,805.00		\$ 12,805.00		\$ 12,805.00	
Storm Sewer Manhole, Slab Base	1	EA	\$ 8,322.00		\$ 8,322.00		\$ 8,322.00	
Denver No. 16 Valley Grate	6	EA	\$ 4,300.00		\$ 25,800.00		\$ 25,800.00	
Rip Rap, d50 size from 6" to 24"	10	Tons	\$ 104.00		\$ 1,040.00		\$ 1,040.00	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	509.	LF	\$ 84.00	=	\$ 42,756.00		\$ 42,756.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"	8.	EA	\$ 2,418.00	=	\$ 19,344.00		\$ 19,344.00	
Fire Hydrant Assembly, w/ all valves	2.	EA	\$ 8,584.00	=	\$ 17,168.00		\$ 17,168.00	
Water Service Line Installation, inc. tap and valves	3.	EA	\$ 1,723.00	=	\$ 5,169.00		\$ 5,169.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
8"x6" Reducer	2	EA	\$ 1,750.00	=	\$ 3,500.00		\$ 3,500.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	185.	LF	\$ 84.00	=	\$ 15,540.00		\$ 15,540.00	
Sanitary Sewer Manhole, Depth < 15 feet	3.	EA	\$ 5,708.00	=	\$ 17,124.00		\$ 17,124.00	
Sanitary Service Line Installation, complete	3.	EA	\$ 1,825.00	=	\$ 5,475.00		\$ 5,475.00	
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					=	\$ 863,226.70		\$ 863,226.70

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

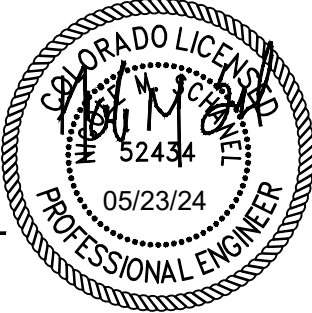
PROJECT INFORMATION


Circle K at Highway 24 & Meridian Road	5/15/2024	VR-22-03
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)			\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 2,500.00	= \$ 2,500.00		\$ 2,500.00
Total Construction Financial Assurance					\$ 1,321,796.75	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 1,321,796.75	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 74,169.76	
(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) 	May 28, 2024
Approved by Owner / Applicant	Date 06/12/2024
Approved by El Paso County Engineer / ECM Administrator	Date