

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

PCF File # CDR238

Updated: 12/8/2022

PROJECT INFORMATION		
Eagleview Regional Drainage Improvements	3/3/2023	PCD File No.
Project Name	Date	

Description	Quantity	Units	Unit Cost	Total	% 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		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min	85,575	CY	\$ 2.50	= \$ 213,937.50		\$ 213,937.50
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
Permanent Erosion Control Blanket (Coir Mat- Channel Slope)	8,854	SY	\$ 8.00	= \$ 70,832.00		\$ 70,832.00
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	12.9	AC	\$ 1,875.00	= \$ 24,187.50		\$ 24,187.50
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 615,000.00	= \$ 615,000.00		\$ 615,000.00
Concrete Washout Basin	1	EA	\$ 1,089.00	= \$ 1,089.00		\$ 1,089.00
Inlet Protection	3	EA	\$ 202.00	= \$ 606.00		\$ 606.00
Rock Check Dam		EA	\$ 605.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Sediment Basin	1	EA	\$ 2,132.00	= \$ -		\$ 2,132.00
Sediment Trap		EA	\$ 500.00	= \$ -		\$ -
Silt Fence	1,084	LF	\$ 3.00	= \$ -		\$ 3,252.00
Slope Drain		LF	\$ 40.00	= \$ -		\$ -
Straw Bale		EA	\$ 31.00	= \$ -		\$ -
Straw Wattle/Rock Sock		LF	\$ 7.00	= \$ -		\$ -
Surface Roughening		AC	\$ 250.00	= \$ -		\$ -
Temporary Erosion Control Blanket	14,073.0	SY	\$ -	= \$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1, -	= \$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2, -	= \$ -		\$ -
Rock Chutes/Forebay (Subregional Pond)	1,506	CY	\$ -	= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						

Update to match the Cost Estimate from the Drainage Report

Regional Drainage Pond- SR1 (County Cost)			
Rip Rap Chute #1 / Forebay (24" Riprap)	CY	865	\$ 153,924
Rip Rap Chute #2/ Forebay (18" Riprap)	CY	544	\$ 96,812
Rip Rap Chute #6/ Forebay (18" Riprap)	CY	97	\$ 17,345
Pond Earthwork	CY	81160	\$ 649,280
Concrete Trickle Channel (8' wide)	LF	1166	\$ 74,624
Concrete Trickle Channel (4' wide)	LF	92	\$ 4,600
Concrete Micropool	EA	1	\$ 25,000
Concrete Outlet Structure	EA	1	\$ 35,000
Concrete Outfall Pipe (2- 72 Inch)	LF	196	\$ 90,160
Concrete FES w/ Toe Wall	EA	2	\$ 10,000
Rip Rap Emergency Spillway (12" Riprap)	CY	1841	\$ 327,718
Maintenance Road (6" Thick)	CY	647	\$ 36,204
Certification	EA	1	\$ 8,000
Mobilization	EA	1	\$ 10,000
Erosion Control	LS	1	\$ 40,000
Subtotal			\$ 1,578,667

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	= \$ -		\$ -

PROJECT INFORMATION

Eagleview Regional Drainage Improvements

3/3/2023

Project Name

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PCD File No.

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						% Complete	Remaining
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

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 = <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	\$ 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				=	\$ -		\$ -

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						% Complete	Remaining
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ -	\$ -
** - Section 3 is not subject to defect warranty requirements							
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 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
Total Construction Financial Assurance						\$	2,689,522.85
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	2,689,522.85
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	448,143.80
(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 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