

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

Updated: 12/8/2022

PROJECT INFORMATION		
Grandview Reserve PUDSP	9/22/2023	PUDSP2110
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plate 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		CY	\$ 5.00	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	\$ -		\$ -
50,001-200,000; \$175,000 min	147,398	CY	\$ 2.50	\$ 368,495.00		\$ 368,495.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	\$ -		\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmt.) & Mulching		AC	\$ 1,875.00	\$ -		\$ -
Permanent Pond/BMP (provide engineer's estimate)		EA		\$ -		\$ -
Concrete Washout Basin	3	EA	\$ 1,089.00	\$ 3,267.00		\$ 3,267.00
Inlet Protection		EA	\$ 202.00	\$ -		\$ -
Rock Check Dam	627	EA	\$ 605.00	\$ 379,335.00		\$ 379,335.00
Safety Fence	659	LF	\$ 3.00	\$ 1,977.00		\$ 1,977.00
Sediment Basin	11	EA	\$ 2,132.00	\$ 23,452.00		\$ 23,452.00
Sediment Trap		EA	\$ 500.00	\$ -		\$ -
Silt Fence	20,731	LF	\$ 3.00	\$ 62,193.00		\$ 62,193.00
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	22,333.0	SY	\$ 3.00	\$ 66,999.00		\$ 66,999.00
Temporary Seeding and Mulching	126.0	AC	\$ 1,666.00	\$ 209,916.00		\$ 209,916.00
Vehicle Tracking Control	2	EA	\$ 2,867.00	\$ 5,734.00		\$ 5,734.00
12" Gravel Access Road	18,870	SF	\$ 1.25	\$ 23,587.50		\$ 23,587.50
<i>(insert items not listed but part of construction plans)</i>						
MAINTENANCE (35% of Construction BMPs)				\$ 270,617.73		\$ 270,617.73
Section 1 Subtotal				\$ 1,415,573.23		\$ 1,415,573.23

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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<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, Grouled		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				\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						
Section 2 Subtotal				=	\$ -	\$ -



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

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					% 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					\$ 1,415,573.23	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 1,415,573.23	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 73,699.00	
(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) _____ Date 9/25/23

Approved by Owner / Applicant _____ Date _____

Approved by El Paso County Engineer / ECM Administrator _____

Approved

By: Elizabeth Nijkamp, PE

Date: 03/05/2024

El Paso County Department of Public Works

