

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

Updated: 10/2023

PROJECT INFORMATION		
GRANDVIEW RESERVE FILING NO. 1	6/24/2024	SF2311
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		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min	123497.	CY	\$ 2.50	= \$ 308,742.50		\$ 308,742.50
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
Permanent Erosion Control Blanket		SY	\$ 9.00	= \$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching		AC	\$ 2,018.00	= \$ -		\$ -
Permanent Pond/BMP (See Final Drainage Report)	1.	EA	\$ 362,510.00	= \$ 362,510.00		\$ 362,510.00
Concrete Washout Basin	1.	EA	\$ 1,172.00	= \$ 1,172.00		\$ 1,172.00
Inlet Protection	10.	EA	\$ 217.00	= \$ 2,170.00		\$ 2,170.00
Rock Check Dam	2.	EA	\$ 651.00	= \$ 1,302.00		\$ 1,302.00
Safety Fence	358.	LF	\$ 3.00	= \$ 1,074.00		\$ 1,074.00
Sediment Basin		EA	\$ 2,294.00	= \$ -		\$ -
Sediment Trap		EA	\$ 538.00	= \$ -		\$ -
Silt Fence	5142.	LF	\$ 3.00	= \$ 15,426.00		\$ 15,426.00
Slope Drain		LF	\$ 43.00	= \$ -		\$ -
Straw Bale		EA	\$ 33.00	= \$ -		\$ -
Straw Wattle/Rock Sock	2945.	LF	\$ 8.00	= \$ 23,560.00		\$ 23,560.00
Surface Roughening	27.17	AC	\$ 269.00	= \$ 7,308.73		\$ 7,308.73
Temporary Erosion Control Blanket	11087.	SY	\$ 3.00	= \$ 33,261.00		\$ 33,261.00
Temporary Seeding and Mulching	27.17	AC	\$ 1,793.00	= \$ 48,723.52		\$ 48,723.52
Vehicle Tracking Control	1.	EA	\$ 3,085.00	= \$ 3,085.00		\$ 3,085.00
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 47,568.59		\$ 47,568.59
Section 1 Subtotal				= \$ 855,903.34		\$ 855,903.34

* - 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	1.	LS	\$ 7,500.00	= \$ 7,500.00		\$ 7,500.00
Aggregate Base Course (135 lbs/cf)	690.	Tons	\$ 37.00	= \$ 25,530.00		\$ 25,530.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	18661.	SY	\$ 25.00	= \$ 466,525.00		\$ 466,525.00
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	7.	EA	\$ 392.00	= \$ 2,744.00		\$ 2,744.00
Guide/Street Name Sign	12.	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)	831.	LF	\$ 38.00	= \$ 31,578.00		\$ 31,578.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	8725.	LF	\$ 38.00	= \$ 331,550.00		\$ 331,550.00
4" Sidewalk (common areas only)		SY	\$ 62.00	= \$ -		\$ -
5" Sidewalk	824.	SY	\$ 77.00	= \$ 63,448.00		\$ 63,448.00
6" Sidewalk		SY	\$ 94.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 125.00	= \$ -		\$ -
Pedestrian Ramp	6.	EA	\$ 1,496.00	= \$ 8,976.00		\$ 8,976.00
Cross Pan, local (8" thick, 6' wide to include return)	360.	LF	\$ 79.00	= \$ 28,440.00		\$ 28,440.00
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)			\$ 65.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)			\$ 94.00	= \$ -		\$ -
Guardrail End Anchorage			\$ 2,731.00	= \$ -		\$ -
Guardrail Impact Attenuator			\$ 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		= \$ -		\$ -

Pedestrian ramps need to be constructed with development

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						% Complete	Remaining
Fire Access Road - Bollards w/ Chains	4.	EA	\$ 1,500.00	=	\$ 6,000.00		\$ 6,000.00
5' Pedestrian Trail (Crushed Fines)	10313.	SF	\$ 0.75	=	\$ 7,734.75		\$ 7,734.75
Maintenance & Fire Access Roads (Gravel)	34890.	SF	\$ 1.25	=	\$ 43,612.50		\$ 43,612.50
<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	\$ 82.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe	655.	LF	\$ 98.00	=	\$ 64,190.00		\$ 64,190.00
30" Reinforced Concrete Pipe	305.	LF	\$ 123.00	=	\$ 37,515.00		\$ 37,515.00
36" Reinforced Concrete Pipe	440.	LF	\$ 151.00	=	\$ 66,440.00		\$ 66,440.00
42" Reinforced Concrete Pipe	165.	LF	\$ 201.00	=	\$ 33,165.00		\$ 33,165.00
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 = 18" <i>(unit cost = 6x pipe unit cost)</i>	2.	EA	\$ 420.00	=	\$ 840.00		\$ 840.00
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	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	3.	EA	\$ 9,377.00	=	\$ 28,131.00		\$ 28,131.00
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'	1	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'	7.	EA	\$ 13,835.00	=	\$ 96,845.00		\$ 96,845.00
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"	1895.	Tons	\$ 104.00	=	\$ 197,080.00		\$ 197,080.00
Unresolved: Provide manhole quantities		Tons	\$ 124.00	=	\$ -		\$ -
		LF		=	\$ -		\$ -
		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
Type 2 Granular Bedding	18456.	SF	\$ 1.00	=	\$ 18,456.00		\$ 18,456.00
Grass Lined Drainage Swale	325.	LF	\$ 9.00	=	\$ 2,925.00		\$ 2,925.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 1,569,225.30	\$ 1,569,225.25

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						% 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"	5223.	LF	\$ 84.00	=	\$ 438,732.00		\$ 438,732.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"	30.	EA	\$ 2,418.00	=	\$ 72,540.00		\$ 72,540.00	
Fire Hydrant Assembly, w/ all valves	12.	EA	\$ 8,584.00	=	\$ 103,008.00		\$ 103,008.00	
Water Service Line Installation, inc. tap and valves	119.	EA	\$ 1,723.00	=	\$ 205,037.00		\$ 205,037.00	
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"	5127.	LF	\$ 84.00	=	\$ 430,668.00		\$ 430,668.00	
Sanitary Sewer Manhole, Depth < 15 feet	46.	EA	\$ 5,708.00	=	\$ 262,568.00		\$ 262,568.00	
Sanitary Service Line Installation, complete	119.	EA	\$ 1,825.00	=	\$ 217,175.00		\$ 217,175.00	
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)								
DECIDUOUS TREE	45.	EA	\$ 450.00	=	\$ 20,250.00		\$ 20,250.00	
ORNAMENTAL TREE	39.	EA	\$ 350.00	=	\$ 13,650.00		\$ 13,650.00	
EVERGREEN TREE	53.	ES	\$ 500.00	=	\$ 26,500.00		\$ 26,500.00	
SOD	37597.	SF	\$ 1.10	=	\$ 41,356.70		\$ 41,356.70	
SEED A	27025.	SF	\$ 0.40	=	\$ 10,810.00		\$ 10,810.00	
SEED B	303873.	SF	\$ 0.40	=	\$ 121,549.20		\$ 121,549.20	
SEED (DETENTION)	57080.	SF	\$ 0.40	=	\$ 22,832.00		\$ 22,832.00	
Section 3 Subtotal					=	\$ 1,986,675.90		\$ 1,986,675.90

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

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					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 20,000.00	= \$ 20,000.00		\$ 20,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
Total Construction Financial Assurance						\$ 4,441,804.54
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 4,441,804.49
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 448,095.56
(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