

2022 Financial Assurance Estimate Form
(with pre-plat construction)

See previous redlines also

Updated: 11/4/2021

PROJECT INFORMATION		
Grandview Reserve Filing No. 1	6/3/2022	PUDSP-21-010
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		CY	\$ 2.50	= \$ -			\$ -
greater than 200,000; \$500,000 min	950,832	CY	\$ 2.00	= \$ 1,901,664.00			\$ 1,901,664.00
* Permanent Seeding (inc. noxious weed mgmnt.)	15	AC	\$ 886.00	= \$ 13,290.00			\$ 13,290.00
* Mulching	15	AC	\$ 831.00	= \$ 12,465.00			\$ 12,465.00
* Permanent Erosion Control Blanket		SY	\$ 7.00	= \$ -			\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	= \$ -			\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -			\$ -
Safety Fence		LF	\$ 3.00	= \$ -			\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -			\$ -
Vehicle Tracking Control	4	EA	\$ 2,625.00	= \$ 10,500.00			\$ 10,500.00
Silt Fence	21,312	LF	\$ 3.00	= \$ 63,936.00			\$ 63,936.00
Temporary Seeding		AC	\$ 695.00	= \$ -			\$ -
Temporary Mulch		AC	\$ 831.00	= \$ -			\$ -
Erosion Bales		EA	\$ 28.00	= \$ -			\$ -
Erosion Logs/Straw Wattles		LF	\$ 6.00	= \$ -			\$ -
Rock Check Dams		EA	\$ 554.00	= \$ -			\$ -
Inlet Protection		EA	\$ 185.00	= \$ -			\$ -
Sediment Basin		EA	\$ 1,952.00	= \$ -			\$ -
Concrete Washout Basin	2	EA	\$ 997.00	= \$ 1,994.00			\$ 1,994.00
			\$ 8,000.00	= \$ -			\$ -
<i>[insert items not listed but part of construction plans]</i>							
MAINTENANCE (35% of Construction BMPs)				= \$ 26,750.50			\$ 26,750.50
Section 1 Subtotal				= \$ 2,030,599.50			\$ 2,030,599.50

* - 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	\$ 5,000.00	= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	= \$ -			\$ -
Raised Median, Paved		SF	\$ 9.00	= \$ -			\$ -
Barricade - Type 3		EA	\$ 221.00	= \$ -			\$ -
Delineator - Type 1		EA	\$ 27.00	= \$ -			\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 32.00	= \$ -			\$ -
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$ -			\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 32.00	= \$ -			\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$ -			\$ -
5" Sidewalk		SY	\$ 66.00	= \$ -			\$ -
6" Sidewalk		SY	\$ 80.00	= \$ -			\$ -
8" Sidewalk		SY	\$ 106.00	= \$ -			\$ -
<i>[insert items not listed but part of construction plans]</i>							

STORM DRAIN IMPROVEMENTS

Concrete Box Culvert (M Standard), Size (12'W x 10' H)	116	LF	\$ 2,000.00	= \$ 232,000.00			\$ 232,000.00
Concrete Box Culvert (M Standard), Size (13'W x 4' H)	186	LF	\$ 1,300.00	= \$ 241,800.00			\$ 241,800.00
Concrete Box Culvert (M Standard), Size (13'W x 2' H)	93	LF	\$ 900.00	= \$ 83,700.00			\$ 83,700.00
30" Reinforced Concrete Pipe		LF	\$ 104.00	= \$ -			\$ -
36" Reinforced Concrete Pipe		LF	\$ 128.00	= \$ -			\$ -
42" Reinforced Concrete Pipe		LF	\$ 171.00	= \$ -			\$ -
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		CY	\$ 850.00	= \$ -			\$ -
End Treatment- Wingwall		CY	\$ 850.00	= \$ -			\$ -
End Treatment - Cutoff Wall		CY		= \$ -			\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	= \$ -			\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	= \$ -			\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,876.00	= \$ -			\$ -
Storm Sewer Manhole, Slab Base, 15'x5'	1		\$ 10,000.00	= \$ 10,000.00			\$ 10,000.00
Geotextile (Erosion Control)		SY	\$ 7.00	= \$ -			\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00	= \$ -			\$ -
Rip Rap, Grouted		Tons	\$ 105.00	= \$ -			\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	= \$ -			\$ -
Drainage Channel Lining, Concrete		CY	\$ 631.00	= \$ -			\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	= \$ -			\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	= \$ -			\$ -
Drainage Channel Lining, Other Stabilization				= \$ -			\$ -
Concrete overflow structure, etc				= \$ -			\$ -
<i>[insert items not listed but part of construction plans]</i>							
Section 2 Subtotal				= \$ 567,500.00			\$ 567,500.00

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

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)							
Channel Stabilization	1	Ea	\$ 1,200,000	=	\$	1,200,000.00	\$ 1,200,000.00
GSB Drop Structures	6	EA	\$ 450,000	=	\$	2,700,000.00	\$ 2,700,000.00
Pond W-3 Outfall Improvement	1	EA	\$ 500,000	=	\$	500,000.00	\$ 500,000.00
Improvements to Existing Ponds - Outfall/Embankment	2	EA	\$ 350,000	=	\$	700,000.00	\$ 700,000.00
Sheet Pile Check Structures (5 EA)	1,500	SF	\$ 60.00	=	\$	90,000.00	\$ 90,000.00
Maint. Access Rds/Trails and Turnarounds, ___" Class ___	270,000	SF	\$ 2.00	=	\$	540,000.00	\$ 540,000.00
				=	\$	-	\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$	-	\$ -
Gate Valves, 8"		EA	\$ 2,058.00	=	\$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,306.00	=	\$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,466.00	=	\$	-	\$ -
Fire Cistern Installation, complete		EA		=	\$	-	\$ -
Water line relocation	400	LF	\$ 90.00	=	\$	36,000.00	\$ 36,000.00
<i>[insert items not listed but part of construction plans]</i>							
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	=	\$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,553.00	=	\$	-	\$ -
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)							
Wetland Mitigation Plantings / Stabilization	6	EA	\$ 75,000.00	=	\$	447,000.00	\$ 447,000.00
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
Section 3 Subtotal				=	\$	6,213,000.00	\$ 6,213,000.00

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

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 \$ 8,841,099.50
 (Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 8,841,099.50
 (Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance \$ 498,983.80
 (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