

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

Updated: 12/8/2022

PROJECT INFORMATION		
Joyful View	1/31/2024	SF2231
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	10,330	CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ 51,650.00		\$ 51,650.00
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	\$ 8.00	=	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	7.7	AC	\$ 1,875.00	=	\$ 14,381.25		\$ 14,381.25
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 64,765.00	=	\$ 64,765.00		\$ 64,765.00
Concrete Washout Basin		EA	\$ 1,089.00	=	\$ -		\$ -
Inlet Protection	6	EA	\$ 202.00	=	\$ 1,212.00		\$ 1,212.00
Rock Check Dam	17	EA	\$ 605.00	=	\$ 10,285.00		\$ 10,285.00
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin	2	EA	\$ 2,132.00	=	\$ 4,264.00		\$ 4,264.00
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	3,600	LF	\$ 3.00	=	\$ 10,800.00		\$ 10,800.00
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		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,867.00	=	\$ 2,867.00		\$ 2,867.00
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				=	\$ 10,299.80		\$ 10,299.80
Section 1 Subtotal				=	\$ 170,524.05		\$ 170,524.05

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						% Complete	Remaining
[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	\$ 76.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe	92	LF	\$ 91.00	=	\$ 8,372.00		\$ 8,372.00
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 = 24" (unit cost = 6x pipe unit cost)	4	EA	\$ 546.00	=	\$ 2,184.00		\$ 2,184.00
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	\$ 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				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 17,853.00	\$	17,853.00

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SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**									
ROADWAY IMPROVEMENTS									
Aggregate Base Course (135 lbs/sf)	5,405	Tons	\$ 34.00	=	\$ 183,770.00		\$		183,770.00
				=	\$ -		\$		-
				=	\$ -		\$		-
				=	\$ -		\$		-
				=	\$ -		\$		-
				=	\$ -		\$		-
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)									
18" Reinforced Concrete Pipe		LF	\$ 76.00	=	\$ -		\$		-
24" Reinforced Concrete Pipe	230	LF	\$ 91.00	=	\$ 20,930.00		\$		20,930.00
Flared End Section (FES) RCP Size = 18"		EA	\$ 456.00	=	\$ -		\$		-
(unit cost = 6x pipe unit cost)									
Flared End Section (FES) RCP Size = 24"	4	EA	\$ 546.00	=	\$ 2,184.00		\$		2,184.00
(unit cost = 6x pipe unit cost)									
Rip Rap, d50 size from 6" to 24"	94.5	Tons	\$ 97.00	=	\$ 9,169.41		\$		9,169.41
Drainage Channel Construction, Size (6' X 1')	539	LF	\$ 1.50	=	\$ 808.50		\$		808.50
Drainage Channel Construction, Size (15/16' X 1.8/2')	1,500	LF	\$ 1.50	=	\$ 2,250.00		\$		2,250.00
Drainage Channel Construction, Size (23.2' x 2.9')	900	LF	\$ 1.50	=	\$ 1,350.00		\$		1,350.00
Drainage Channel Lining, Grass	0.8	AC	\$ 1,776.00	=	\$ 1,349.76		\$		1,349.76
				=	\$ -		\$		-
WATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -		\$		-
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	=	\$ -		\$		-
Gate Valves, 8"		EA	\$ 2,247.00	=	\$ -		\$		-
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,978.00	=	\$ -		\$		-
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	=	\$ -		\$		-
Fire Cistern Installation, complete	1	EA	\$ 15,000.00	=	\$ 15,000.00		\$		15,000.00
				=	\$ -		\$		-
[insert items not listed but part of construction plans]				=	\$ -		\$		-
SANITARY SEWER IMPROVEMENTS									
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	=	\$ -		\$		-
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	=	\$ -		\$		-
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	=	\$ -		\$		-
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$		-
				=	\$ -		\$		-
[insert items not listed but part of construction plans]				=	\$ -		\$		-
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)									
		EA		=	\$ -		\$		-
		EA		=	\$ -		\$		-
		EA		=	\$ -		\$		-
		EA		=	\$ -		\$		-
		EA		=	\$ -		\$		-
Section 3 Subtotal				=	\$ 236,811.67		\$		236,811.67
** - Section 3 is not subject to defect warranty requirements									


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Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
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	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Total Construction Financial Assurance						\$	435,188.72
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	435,188.72
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	29,729.85
(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)

2.6.2023

Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

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