

Please add Project name, date, PDC File # CDR236

2023 Financial Assurance
(with pre-plat construction)

Updated: 12/8/2022

PROJECT INFORMATION		
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	4,500	CY	\$ 6.00	= \$ 27,000.00			\$ 27,000.00
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		CY	\$ 2.00	= \$ -			\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	= \$ -			\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	3	AC	\$ 1,875.00	= \$ 5,625.00			\$ 5,625.00
Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -			\$ -
Concrete Washout Basin	1	EA	\$ 1,089.00	= \$ 1,089.00			\$ 1,089.00
Inlet Protection	1	EA	\$ 202.00	= \$ 202.00			\$ 202.00
Rock Check Dam	1	EA	\$ 605.00	= \$ 605.00			\$ 605.00
Safety Fence		LF	\$ 3.00	= \$ -			\$ -
Sediment Basin		EA	\$ 2,132.00	= \$ -			\$ -
Sediment Trap		EA	\$ 500.00	= \$ -			\$ -
Silt Fence	600	LF	\$ 3.00	= \$ 1,800.00			\$ 1,800.00
Slope Drain		LF	\$ 40.00	= \$ -			\$ -
Straw Bale		EA		= \$ -			\$ -
Straw Wattles/Rock Sock		LF		= \$ -			\$ -
Surface Roughening		AC		= \$ -			\$ -
Temporary Erosion Control Blanket	1,074	SY	\$ 3.00	= \$ 3,222.00			\$ 3,222.00
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)					\$ 3,043.60		\$ 3,043.60
				45,453.60			\$ 45,453.60

Add straw bales or upgraded BMP per FDR pg 13

Add eastern VTC +1

SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)	522	Tons	\$ 34.00	= \$ 17,748.00			\$ 17,748.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	= \$ -			\$ -
Concrete Treated Subgrade (12")	5,806	SY	\$ 6.00	= \$ 34,836.00			\$ 34,836.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	= \$ -			\$ -
Asphalt Pavement (4" thick)	1,025	SY	\$ 23.00	= \$ 23,575.00			\$ 23,575.00
Asphalt Pavement (6" thick)	5,806	SY	\$ 35.00	= \$ 203,210.00			\$ 203,210.00
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	= \$ -			\$ -
Raised Median, Paved		SF	\$ 10.00	= \$ -			\$ -
Regulatory Sign/Advisory Sign	9	EA	\$ 364.00	= \$ 3,276.00			\$ 3,276.00
Guide/Street Name Sign	1	EA		= \$ -			\$ -
Epoxy Pavement Marking	3,010	SF	\$ 16.00	= \$ 48,160.00			\$ 48,160.00
Thermoplastic Pavement Marking	128	SF	\$ 28.00	= \$ 3,584.00			\$ 3,584.00
Barricade - Type 3		EA	\$ 241.00	= \$ -			\$ -
Delineator - Type I		EA	\$ 29.00	= \$ -			\$ -
Curb and Gutter, Type A (Vertical)	2,414	LF	\$ 35.00	= \$ 84,490.00			\$ 84,490.00
Curb and Gutter, Type B (Median)	763	LF	\$ 35.00	= \$ 26,705.00			\$ 26,705.00
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	= \$ -			\$ -
Regional Park Tier III Trail	928	CY	\$ 56.00	= \$ 51,968.00			\$ 51,968.00
4" Sidewalk (common areas only)		SY	\$ 58.00	= \$ -			\$ -
5" Sidewalk		SY	\$ 72.00	= \$ -			\$ -
6" Sidewalk	1,005	SY	\$ 87.00	= \$ 87,435.00			\$ 87,435.00
8" Sidewalk		SY	\$ 116.00	= \$ -			\$ -
Pedestrian Ramp	2	EA	\$ 1,390.00	= \$ 2,780.00			\$ 2,780.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	= \$ -			\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	30	LF	\$ 111.00	= \$ 3,330.00			\$ 3,330.00
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		= \$ -			\$ -

Add east end Rex Road barricades. Barriers and signage is needed

PROJECT INFORMATION

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
				=	\$ -		\$ -	
<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	60	LF	\$ 114.00	=	\$ 6,840.00		\$ 6,840.00	
36" Reinforced Concrete Pipe	125	LF	\$ 140.00	=	\$ 17,500.00		\$ 17,500.00	
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 = 36 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 768.00	=	\$ 1,536.00		\$ 1,536.00	
Flared End Section (FES) RCP Size = 30 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 624.00	=	\$ 1,248.00		\$ 1,248.00	
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'	1	EA	\$ 14,109.00	=	\$ 14,109.00		\$ 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"	8	Tons	\$ 97.00	=	\$ 776.00		\$ 776.00	
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				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 633,106.00		\$ 633,106.00

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

PROJECT INFORMATION							
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
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"		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		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
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		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ -		\$ -

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

seems low. confirm

PROJECT INFORMATION							
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1,000.00	=	\$ 1,000.00		\$ 1,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -		\$ -
Total Construction Financial Assurance							\$ 679,559.60
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)							\$ 679,559.60
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance							\$ 133,146.20
(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