

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

Updated: 10/2023

PROJECT INFORMATION		
Esteban Rodriguez Ranch	10/23/2024	SKP237
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	271750.	CY	\$ 2.00	=	\$ 543,500.00		\$ 543,500.00
Permanent Erosion Control Blanket		SY	\$ 9.00	=	\$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	102.	AC	\$ 2,018.00	=	\$ 205,836.00		\$ 205,836.00
Permanent Pond/BMP (provide engineer's estimate)	4.	EA	\$ 30,000.00	=	\$ 120,000.00		\$ 120,000.00
Concrete Washout Basin	2.	EA	\$ 1,172.00	=	\$ 2,344.00		\$ 2,344.00
Inlet Protection	23.	EA	\$ 217.00	=	\$ 4,991.00		\$ 4,991.00
Rock Check Dam	631.	EA	\$ 651.00	=	\$ 410,781.00		\$ 410,781.00
Safety Fence	40395.	LF	\$ 3.00	=	\$ 121,185.00		\$ 121,185.00
Sediment Basin	4.	EA	\$ 2,294.00	=	\$ 9,176.00		\$ 9,176.00
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -
Silt Fence	24387.	LF	\$ 3.00	=	\$ 73,161.00		\$ 73,161.00
Slope Drain		LF	\$ 43.00	=	\$ -		\$ -
Straw Bale		EA	\$ 33.00	=	\$ -		\$ -
Straw Wattle/Rock Sock		LF	\$ 8.00	=	\$ -		\$ -
Surface Roughening		AC	\$ 269.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,793.00	=	\$ -		\$ -
Vehicle Tracking Control	2.	EA	\$ 3,085.00	=	\$ 6,170.00		\$ 6,170.00
Turf Reinforcement Mat		SY	\$ 8.00	=	\$ -		\$ -
Outlet Protection	23.	EA	\$ 217.00	=	\$ 4,991.00		\$ 4,991.00
Stabilized Staging Area	3291.	SY	\$ 3.00	=	\$ 9,873.00		\$ 9,873.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					=	\$ 224,114.80	\$ 224,114.80
Section 1 Subtotal					=	\$ 1,736,122.80	\$ 1,736,122.80
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 50,000.00	=	\$ 50,000.00		\$ 50,000.00
Aggregate Base Course (135 lbs/cf) 7"	9600.	Tons	\$ 37.00	=	\$ 355,200.00		\$ 355,200.00
Aggregate Base Course (135 lbs/cf) 5"	18450.	Tons	\$ 37.00	=	\$ 682,650.00		\$ 682,650.00
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 5" thick	6860.	Tons	\$ 114.00	=	\$ 782,040.00		\$ 782,040.00
Asphalt Pavement (147 lbs/cf) 3" thick	12750.	Tons	\$ 114.00	=	\$ 1,453,500.00		\$ 1,453,500.00
Raised Median, Paved		SF	\$ 11.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	22.	EA	\$ 392.00	=	\$ 8,624.00		\$ 8,624.00
Guide/Street Name Sign	26.	EA	\$ 250.00	=	\$ 6,500.00		\$ 6,500.00
Epoxy Pavement Marking	2485.	SF	\$ 17.00	=	\$ 42,245.00		\$ 42,245.00
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)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 77.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 94.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,496.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$ -		\$ -
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)		LF	\$ 65.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 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		=	\$ -		\$ -

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						% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (Dual 12' x 5')	480.	LF	\$ 990.00	=	\$ 475,200.00		\$ 475,200.00
18" Reinforced Concrete Pipe	265.	LF	\$ 82.00	=	\$ 21,730.00		\$ 21,730.00
24" Reinforced Concrete Pipe	150.	LF	\$ 98.00	=	\$ 14,700.00		\$ 14,700.00
30" Reinforced Concrete Pipe	165.	LF	\$ 123.00	=	\$ 20,295.00		\$ 20,295.00
36" Reinforced Concrete Pipe	670.	LF	\$ 151.00	=	\$ 101,170.00		\$ 101,170.00
42" Reinforced Concrete Pipe	280.	LF	\$ 201.00	=	\$ 56,280.00		\$ 56,280.00
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" <small>(unit cost = 6x pipe unit cost)</small>	5.	EA	\$ 492.00	=	\$ 2,460.00		\$ 2,460.00
Flared End Section (FES) RCP Size = 24" <small>(unit cost = 6x pipe unit cost)</small>	5.	EA	\$ 588.00	=	\$ 2,940.00		\$ 2,940.00
Flared End Section (FES) RCP Size = 30" <small>(unit cost = 6x pipe unit cost)</small>	2.	EA	\$ 738.00	=	\$ 1,476.00		\$ 1,476.00
Flared End Section (FES) RCP Size = 36" <small>(unit cost = 6x pipe unit cost)</small>	3.	EA	\$ 906.00	=	\$ 2,718.00		\$ 2,718.00
Flared End Section (FES) RCP Size = 42" <small>(unit cost = 6x pipe unit cost)</small>	12.	EA	\$ 1,206.00	=	\$ 14,472.00		\$ 14,472.00
End Treatment- Headwall	10.	EA	\$ 10,000.00	=	\$ 100,000.00		\$ 100,000.00
End Treatment- Wingwall	10.	EA	\$ 10,000.00	=	\$ 100,000.00		\$ 100,000.00
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'		EA	\$ 9,377.00	=	\$ -		\$ -
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'		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'		EA	\$ 13,835.00	=	\$ -		\$ -
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" 18"	1440.	Tons	\$ 104.00	=	\$ 149,760.00		\$ 149,760.00
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	3630.	CY	\$ 145.00	=	\$ 526,350.00		\$ 526,350.00
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
Horizontal Elliptical RCP (53" x 34")	81.	LF	\$ 484.00	=	\$ 39,204.00		\$ 39,204.00
Drop Structures	4.	EA	\$ 50,000.00	=	\$ 200,000.00		\$ 200,000.00
Drainage Channel Lining Turf TRM	18068.	SY	\$ 50.00	=	\$ 903,400.00		\$ 903,400.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 6,112,914.00		\$ 5,009,964.00

* - 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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Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% 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"		LF	\$ 84.00	=	\$ -	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -	\$ -
Gate Valves, 8"		EA	\$ 2,418.00	=	\$ -	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	=	\$ -	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	=	\$ -	\$ -
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	\$ 84.00	=	\$ -	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	=	\$ -	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	=	\$ -	\$ -
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		=	\$ -	\$ -
		EA		=	\$ -	\$ -
Section 3 Subtotal				=	\$ -	\$ -

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

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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)				= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 7,849,036.80
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,746,086.80
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 1,396,450.00
(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)

 Approved by Owner / Applicant

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date