

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

2411

Updated: 10/2023

PROJECT INFORMATION		
Rolling Hills Ranch North Filing No. 1	4/1/2024	SF-24-XXX
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	=	\$ -		\$ -
11 new IP, there are several existing IP that are covered by other FAEs and bonds.			\$ 6.00	=	\$ 15,540.00		\$ 15,540.00
5			\$ 5.00	=	\$ -		\$ -
2			\$ 3.50	=	\$ -		\$ -
5			\$ 2.50	=	\$ -		\$ -
9			\$ 2.00	=	\$ -		\$ -
Perma			\$ 9.00	=	\$ -		\$ -
Perma			\$ 2,018.00	=	\$ 2,018.00		\$ 2,018.00
Perma				=	\$ -		\$ -
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$ 1,172.00		\$ 1,172.00
Inlet Protection	14?	EA	\$ 217.00	=	\$ 2,387.00		\$ 2,387.00
Rock Check Dam		EA	\$ 651.00	=	\$ -		\$ -
Silt Fence		LF	\$ 3.00	=	\$ -		\$ -
Silt Fence	3.	EA	\$ 2,294.00	=	\$ 6,882.00		\$ 6,882.00
Silt Fence		EA	\$ 538.00	=	\$ -		\$ -
Silt Fence		LF	\$ 3.00	=	\$ -		\$ -
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	1.	EA	\$ 3,085.00	=	\$ 3,085.00		\$ 3,085.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					=	\$ 4,323.90	\$ 4,323.90
Section 1 Subtotal					=	\$ 35,407.90	\$ 35,407.90

* - 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		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -		\$ -
Concrete treated Subgrade (8")	34801.	SY	\$ 6.00	=	\$ 208,806.00		\$ 208,806.00
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	34801.	SY	\$ 25.00	=	\$ 870,025.00		\$ 870,025.00
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	21.	EA	\$ 392.00	=	\$ 8,232.00		\$ 8,232.00
Guide/Street Name Sign	16.	EA	\$ 250.00	=	\$ 4,000.00		\$ 4,000.00
Epoxy Pavement Marking		SF	\$ 17.00	=	\$ -		\$ -
Thermoplastic Pavement Marking	84.	SF	\$ 30.00	=	\$ 2,520.00		\$ 2,520.00
Barricade - Type 3	2.	EA	\$ 259.00	=	\$ 518.00		\$ 518.00
Delineator - Type I		EA	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	5853.	LF	\$ 38.00	=	\$ 222,414.00		\$ 222,414.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	13416.	LF	\$ 38.00	=	\$ 509,808.00		\$ 509,808.00
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -		\$ -
5" Sidewalk	10597.	SY	\$ 77.00	=	\$ 815,969.00		\$ 815,969.00
6" Sidewalk		SY	\$ 94.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp	64.	EA	\$ 1,496.00	=	\$ 95,744.00		\$ 95,744.00
Cross Pan, local (8" thick, 6' wide to include return)	90.	LF	\$ 79.00	=	\$ 7,110.00		\$ 7,110.00
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		=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -

PROJECT INFORMATION

Rolling Hills Ranch North Filing No. 1

4/1/2024

SF-24-XXX

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	785.	LF	\$ 82.00	=	\$ 64,370.00		\$ 64,370.00
24" Reinforced Concrete Pipe	775.	LF	\$ 98.00	=	\$ 75,950.00		\$ 75,950.00
30" Reinforced Concrete Pipe	1419.	LF	\$ 123.00	=	\$ 174,537.00		\$ 174,537.00
36" Reinforced Concrete Pipe	133.	LF	\$ 151.00	=	\$ 20,083.00		\$ 20,083.00
42" Reinforced Concrete Pipe	219.	LF	\$ 201.00	=	\$ 44,019.00		\$ 44,019.00
48" Reinforced Concrete Pipe	104.	LF	\$ 245.00	=	\$ 25,480.00		\$ 25,480.00
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	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 48 <small>(unit cost = 6x pipe unit cost)</small>	2.	EA	\$ 1,140.00	=	\$ 2,280.00		\$ 2,280.00
Flared End Section (FES) CSP Size = 30 <small>(unit cost = 6x pipe unit cost)</small>	1.	EA	\$ 786.00	=	\$ 786.00		\$ 786.00
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall	2.	EA	\$ 1,200.00	=	\$ 2,400.00		\$ 2,400.00
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'	1.	EA	\$ 9,925.00	=	\$ 9,925.00		\$ 9,925.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	1.	EA	\$ 10,230.00	=	\$ 10,230.00		\$ 10,230.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	2.	EA	\$ 12,907.00	=	\$ 25,814.00		\$ 25,814.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	2.	EA	\$ 13,835.00	=	\$ 27,670.00		\$ 27,670.00
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'	5.	EA	\$ 13,755.00	=	\$ 68,775.00		\$ 68,775.00
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	13.	EA	\$ 8,322.00	=	\$ 108,186.00		\$ 108,186.00
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	130.	Tons	\$ 104.00	=	\$ 13,520.00		\$ 13,520.00
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 3,419,171.00	\$ 3,419,171.00

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PROJECT INFORMATION		
Rolling Hills Ranch North Filing No. 1	4/1/2024	SF-24-XXX
Project Name	Date	PCD File No.

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								
6" Sidewalk	490	SY	\$ 80.00	=	\$ 39,200.00		\$ 39,200.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	7,729	LF	\$ 71.00	=	\$ 548,759.00		\$ 548,759.00	
Water Main Pipe (PVC), Size 10"	2,329	LF	\$ 78.00	=	\$ 181,662.00		\$ 181,662.00	
Water Main Pipe (PVC), Size 12"	518	LF	\$ 85.00	=	\$ 44,030.00		\$ 44,030.00	
Gate Valves, 8"	34	EA	\$ 2,058.00	=	\$ 69,972.00		\$ 69,972.00	
Gate Valves, 10"	11	EA	\$ 2,193.00	=	\$ 24,123.00		\$ 24,123.00	
Gate Valves, 12"	3	EA	\$ 2,330.00	=	\$ 6,990.00		\$ 6,990.00	
Fire Hydrant Assembly, w/ all valves	20	EA	\$ 7,306.00	=	\$ 146,120.00		\$ 146,120.00	
Water Service Line Installation, inc. tap and valves	247	EA	\$ 1,466.00	=	\$ 362,102.00		\$ 362,102.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
[insert items not listed but part of construction plans]								
				=	\$ -		\$ -	
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	9657	LF	\$ 71.00	=	\$ 685,647.00		\$ 685,647.00	
Sanitary Sewer Manhole, Depth < 15 feet	30	EA	\$ 4,858.00	=	\$ 145,740.00		\$ 145,740.00	
Sanitary Service Line Installation, complete	246	EA	\$ 1,553.00	=	\$ 382,038.00		\$ 382,038.00	
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)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 2,636,383.00		\$ 2,636,383.00
AS-BUI				=	\$ 1,000.00		\$ 1,000.00	
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -		\$ -	
Total Construction Financial Assurance						\$ 6,091,961.90		\$ 6,091,961.90
(Sum of all section subtotals plus as-builts and pond/BMP certification)								
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,091,961.90		\$ 6,091,961.90
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)								
Total Defect Warranty Financial Assurance						\$ 687,345.80		\$ 687,345.80
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)								

verified, our costs are lower than most others since the work is done in-house and not by consultants.

** - Sectic

no change

verify this cost includes as-builts for the pond, seems a little low.

Water quality pond needs to have as-builts and the pond certification letter.

noted and revised.

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