

2019 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 6/7/2019

PROJECT INFORMATION			
Rolling Hills Ranch FILING NO. 1	2/17/2021	SF-19-23	
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	8,200	CY	\$ 5.00	=	\$ 41,000.00	70%	\$ 12,300
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 Seeding (inc. noxious weed mgmnt.)		AC	\$ 800.00	=	\$ -		\$ -
* Mulching		AC	\$ 750.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA	\$ 31,200	=	\$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 50,000	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00	100%	\$ -
Silt Fence		LF	\$ 2.50	=	\$ -		\$ -
Temporary Seeding		AC	\$ 628.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 750.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 25.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	26	EA	\$ 167.00	=	\$ 4,342.00		\$ 4,342
Sediment Basin		EA	\$ 1,762.00	=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00	100%	\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 2,664.20		\$ 2,664
Section 1 Subtotal					\$ 51,276.20		\$ 19,306
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -
Concrete treated Subgrade (8")	40,967	SY	\$ 6.00	=	\$ 245,802.00		\$ 245,802
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	40,967	SY	\$ 19.00	=	\$ 778,373.00		\$ 778,373
Asphalt Pavement (6" thick)	3,946	SY	\$ 29.00	=	\$ 114,434.00		\$ 114,434
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	18	EA	\$ 300.00	=	\$ 5,400.00		\$ 5,400
Guide/Street Name Sign	14	EA	\$ 100.00	=	\$ 1,400.00		\$ 1,400
Epoxy Pavement Marking	1,417	SF	\$ 13.00	=	\$ 18,421.00		\$ 18,421
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -
Barricade - Type 3	6	EA	\$ 200.00	=	\$ 1,200.00		\$ 1,200
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	7,435	LF	\$ 30.00	=	\$ 223,050.00		\$ 223,050
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	16,448	LF	\$ 30.00	=	\$ 493,440.00		\$ 493,440
4" Sidewalk (common areas only)	12,274	SY	\$ 48.00	=	\$ 589,152.00		\$ 589,152
5" Sidewalk		SY	\$ 60.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp	65	EA	\$ 1,150.00	=	\$ 74,750.00		\$ 74,750
Cross Pan, local (8" thick, 6' wide to include return)	30	LF	\$ 61.00	=	\$ 1,830.00		\$ 1,830
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,480.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -

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[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 (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	1,293	LF	\$ 65.00	=	\$ 84,045.00		\$ 84,045
24" Reinforced Concrete Pipe	1,166	LF	\$ 78.00	=	\$ 90,948.00		\$ 90,948
30" Reinforced Concrete Pipe	480	LF	\$ 97.00	=	\$ 46,560.00		\$ 46,560
36" Reinforced Concrete Pipe	1,729	LF	\$ 120.00	=	\$ 207,480.00		\$ 207,480
42" Reinforced Concrete Pipe	588	LF	\$ 160.00	=	\$ 94,080.00		\$ 94,080
48" Reinforced Concrete Pipe	202	LF	\$ 195.00	=	\$ 39,390.00		\$ 39,390
54" Reinforced Concrete Pipe	176	LF	\$ 245.00	=	\$ 43,120.00		\$ 43,120
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 36 (unit cost = 6x pipe unit cost)	1	EA	\$ 720.00	=	\$ 720.00		\$ 720
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		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall	1	EA	\$ 500.00	=	\$ 500.00		\$ 500
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	5	EA	\$ 7,188.00	=	\$ 35,940.00		\$ 35,940
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	7	EA	\$ 7,861.00	=	\$ 55,027.00		\$ 55,027
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	5	EA	\$ 10,633.00	=	\$ 53,165.00		\$ 53,165
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'	6	EA	\$ 11,667.00	=	\$ 70,002.00		\$ 70,002
Grated Inlet (Type C), Depth < 5'	2	EA	\$ 4,640.00	=	\$ 9,280.00		\$ 9,280
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	22	EA	\$ 6,395.00	=	\$ 140,690.00		\$ 140,690
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	24	Tons	\$ 80.00	=	\$ 1,912.00		\$ 1,912
Rip Rap, Grouted		Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
Detention Pond Concrete Trickle Channel		SY	\$ 72.00	=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 3,520,111.00		\$ 3,520,111

* - 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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						% Complete	Remaining	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**								
ROADWAY IMPROVEMENTS								
6" Sidewalk	3,620	SY	\$ 72.00	=	\$ 260,640.00		\$	260,640
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
				=	\$ -		\$	-
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 6"	492	LF	\$ 55.00	=	\$ 27,060.00		\$	27,060
Water Main Pipe (PVC), Size 8"	9,815	LF	\$ 64.00	=	\$ 628,160.00		\$	628,160
Water Main Pipe (PVC), Size 12"	3,127	LF	\$ 75.00	=	\$ 234,525.00		\$	234,525
Gate Valves, 6"	41	EA	\$ 1,500.00	=	\$ 61,500.00		\$	61,500
Gate Valves, 8"	41	EA	\$ 1,858.00	=	\$ 76,178.00		\$	76,178
Gate Valves, 12"	14	EA	\$ 2,100.00	=	\$ 29,400.00		\$	29,400
Fire Hydrant Assembly, w/ all valves	29	EA	\$ 6,597.00	=	\$ 191,313.00		\$	191,313
Water Service Line Installation, inc. tap and valves	279	EA	\$ 1,324.00	=	\$ 369,396.00		\$	369,396
Fire Cistern Installation, complete		EA		=	\$ -		\$	-
				=	\$ -		\$	-
[insert items not listed but part of construction plans]				=	\$ -		\$	-
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	13,164	LF	\$ 64.00	=	\$ 842,496.00	30%	\$	589,747
Sanitary Sewer Manhole, Depth < 15 feet	34	EA	\$ 4,386.00	=	\$ 149,124.00	30%	\$	104,387
Sanitary Service Line Installation, complete	297	EA	\$ 1,402.00	=	\$ 416,394.00	30%	\$	291,476
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				=	\$ 3,286,186.00		\$	2,863,782

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

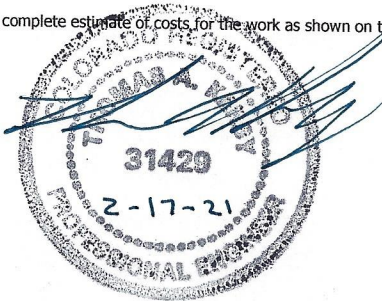
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SECTION 1 - GRADING AND EROSION CONTROL						
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1,000.00	= \$ 1,000.00		\$ 1,000
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 6,858,573
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,404,199
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 712,222
(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.

Thomas A. Kerby, PE CO# 31429



Approved by Raul Guzman, GTL Development

Vice President

February 17, 2021
Date

Approved by El Paso County Engineer / ECM Administrator

APPROVED
Engineering Department

02/25/2021 3:48:19 PM

dsdnijkamp

**EPC Planning & Community
Development Department**