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

Updated: 6/7/2019

PROJECT INFORMATION		
Rolling Hills Ranch FILING NO. 1	1/22/2020	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		$ 41,000.00	*
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 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		$ 2,370.00	
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		$ 4,342.00	
Sediment Basin		EA	$ 1,762.00	=	$ -		$ -	
Concrete Washout Basin	1	EA	$ 900.00	=	$ 900.00		$ 900.00	
				=	$ -		$ -	
[insert items not listed but part of construction plans]				=	$ -		$ -	
MAINTENANCE (35% of Construction BMPs)				=	$ 2,664.20		$ 2,664.20	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)		**Section 1 Subtotal**		**=**	**$ 51,276.20**		**$ 51,276.20**	
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		$ 245,802.00	*
Asphalt Pavement (3" thick)		SY	$ 14.00		$ -		$ -	*
Asphalt Pavement (4" thick)	40,967	SY	$ 19.00		$ 778,373.00		$ 778,373.00	*
Asphalt Pavement (6" thick)	3,946	SY	$ 29.00		$ 114,434.00		$ 114,434.00	*
Asphalt Pavement (147 lbs/cf) __" thick		Tons	$ 88.00	=	$ -		$ -	*
Raised Median, Paved		SF	$ 8.00	=	$ -		$ -	*
Regulatory Sign/Advisory Sign	14	EA	$ 300.00	=	$ 4,200.00		$ 4,200.00	*
Guide/Street Name Sign	14	EA	$ 100.00	=	$ 1,400.00		$ 1,400.00	*
Epoxy Pavement Marking	1,417	SF	$ 13.00	=	$ 18,421.00		$ 18,421.00	*
Thermoplastic Pavement Marking		SF	$ 23.00	=	$ -		$ -	*
Barricade - Type 3	6	EA	$ 200.00	=	$ 1,200.00		$ 1,200.00	*
Delineator - Type I		EA	$ 24.00	=	$ -		$ -	*
Curb and Gutter, Type A (6" Vertical)	7,435	LF	$ 30.00	=	$ 223,050.00		$ 223,050.00	*
Curb and Gutter, Type B (Median)		LF	$ 30.00	=	$ -		$ -	*
Curb and Gutter, Type C (Ramp)	16,448	LF	$ 30.00	=	$ 493,440.00		$ 493,440.00	*
4" Sidewalk (common areas only)	12,274	SY	$ 48.00	=	$ 589,152.00		$ 589,152.00	*
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		$ 74,750.00	*
Cross Pan, local (8" thick, 6' wide to include return)	30	LF	$ 61.00	=	$ 1,830.00		$ 1,830.00	*
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]				=	$ -		$ -	*
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		$ 84,045.00	*
24" Reinforced Concrete Pipe	1,166	LF	$ 78.00	=	$ 90,948.00		$ 90,948.00	*
30" Reinforced Concrete Pipe	480	LF	$ 97.00	=	$ 46,560.00		$ 46,560.00	*
36" Reinforced Concrete Pipe	1,729	LF	$ 120.00	=	$ 207,480.00		$ 207,480.00	*
42" Reinforced Concrete Pipe	588	LF	$ 160.00	=	$ 94,080.00		$ 94,080.00	*
48" Reinforced Concrete Pipe	202	LF	$ 195.00	=	$ 39,390.00		$ 39,390.00	*
54" Reinforced Concrete Pipe	176	LF	$ 245.00	=	$ 43,120.00		$ 43,120.00	*
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		$ 720.00	*
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		$ 500.00	*
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		$ 35,940.00	*
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		$ 55,027.00	*
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		$ 53,165.00	*
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		$ 70,002.00	*
Grated Inlet (Type C), Depth < 5'	2	EA	$ 4,640.00	=	$ 9,280.00		$ 9,280.00	*
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		$ 140,690.00	*
Geotextile (Erosion Control)		SY	$ 6.00	=	$ -		$ -	*
Rip Rap, d50 size from 6" to 24"	24	Tons	$ 80.00	=	$ 1,912.00		$ 1,912.00	*
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]				=	$ -		$ -	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)		**Section 2 Subtotal**		**=**	**$ 3,518,911.00**		**$ 3,518,911.00**	

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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		$ 260,640.00
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
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		$ 27,060.00
Water Main Pipe (PVC), Size 8"	9,815	LF	$ 64.00	=	$ 628,160.00		$ 628,160.00
Water Main Pipe (PVC), Size 12"	3,127	LF	$ 75.00	=	$ 234,525.00		$ 234,525.00
Gate Valves, 6"	41	EA	$ 1,500.00	=	$ 61,500.00		$ 61,500.00
Gate Valves, 8"	41	EA	$ 1,858.00	=	$ 76,178.00		$ 76,178.00
Gate Valves, 12"	14	EA	$ 2,100.00	=	$ 29,400.00		$ 29,400.00
Fire Hydrant Assembly, w/ all valves	29	EA	$ 6,597.00	=	$ 191,313.00		$ 191,313.00
Water Service Line Installation, inc. tap and valves	279	EA	$ 1,324.00	=	$ 369,396.00		$ 369,396.00
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		$ 842,496.00
Sanitary Sewer Manhole, Depth < 15 feet	34	EA	$ 4,386.00	=	$ 149,124.00		$ 149,124.00
Sanitary Service Line Installation, complete	297	EA	$ 1,402.00	=	$ 416,394.00		$ 416,394.00
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 is not subject to defect warranty requirements		**Section 3 Subtotal**		**=**	**$ 3,286,186.00**		**$ 3,286,186.00**

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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		=	$ 1,000.00		$ 1,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	$ -		$ -

Provide quantities.

Unresolved.

Total Construction Financial Assurance **$ 6,857,373.20**

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) **$ 6,857,373.20**

(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance **$ 711,982.20**

(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