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

Updated: 6/7/2019

PROJECT INFORMATION		
Rollin Ridge Filing No. 1 (16 residential lots)	7/21/2020	SF-19-022
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	29,200	CY	$ 3.50	=	$ 102,200.00		$ 102,200.00	*
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.)	8	AC	$ 800.00	=	$ 6,400.00		$ 6,400.00	*
* Mulching	8	AC	$ 750.00	=	$ 6,000.00		$ 6,000.00	*
* Permanent Erosion Control Blanket	1,216	SY	$ 6.00	=	$ 7,296.00		$ 7,296.00	*
* Permanent Pond/BMP Construction		CY	$ 20.00	=	$ -		$ -	*
* Permanent Pond/BMP (Spillway)	2	EA	$ 5,000.00	=	$ 10,000.00		$ 10,000.00	*
* Permanent Pond/BMP (Outlet Structure)	2	EA	$ 6,000.00	=	$ 12,000.00		$ 12,000.00	
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	640	LF	$ 2.50	=	$ 1,600.00		$ 1,600.00	
Temporary Seeding		AC	$ 628.00	=	$ -		$ -	
Temporary Mulch		AC	$ 750.00	=	$ -		$ -	
Erosion Bales		EA	$ 25.00	=	$ -		$ -	
Erosion Logs/Straw Waddle	72	LF	$ 5.00	=	$ 360.00		$ 360.00	
Rock Check Dams		EA	$ 500.00	=	$ -		$ -	
Inlet Protection	4	EA	$ 167.00	=	$ 668.00		$ 668.00	
Sediment Basin	1	EA	$ 1,762.00	=	$ 1,762.00		$ 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)				=	$ 2,681.00		$ 2,681.00	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)		**Section 1 Subtotal**		**=**	**$ 154,237.00**		**$ 154,237.00**	
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								*
Construction Traffic Control	1	LS	$ 3,000.00	=	$ 3,000.00		$ 3,000.00	*
Aggregate Base Course (135 lbs/cf)		Tons	$ 28.00	=	$ -		$ -	*
Aggregate Base Course (135 lbs/cf)	1,280	CY	$ 50.00		$ 64,000.00		$ 64,000.00	*
Asphalt Pavement (3" thick)		SY	$ 14.00		$ -		$ -	*
Asphalt Pavement (4" thick)	6,805	SY	$ 19.00		$ 129,295.00		$ 129,295.00	*
Asphalt Pavement (6" thick)		SY	$ 29.00		$ -		$ -	*
Asphalt Pavement (147 lbs/cf)		Tons	$ 88.00	=	$ -		$ -	*
Raised Median, Paved	800	SF	$ 8.00	=	$ 6,400.00		$ 6,400.00	*
Regulatory Sign/Advisory Sign	7	EA	$ 300.00	=	$ 2,100.00		$ 2,100.00	*
Guide/Street Name Sign	2	EA	$ 100.00	=	$ 200.00		$ 200.00	*
Epoxy Pavement Marking	800	SF	$ 13.00	=	$ 10,400.00		$ 10,400.00	*
Thermoplastic Pavement Marking	40	SF	$ 23.00	=	$ 920.00		$ 920.00	*
Barricade - Type 3	2	EA	$ 200.00	=	$ 400.00		$ 400.00	*
Delineator - Type I		EA	$ 24.00	=	$ -		$ -	*
Curb and Gutter, Type A (6" Vertical)		LF	$ 30.00	=	$ -		$ -	*
Curb and Gutter, Type B (Median)	220	LF	$ 30.00	=	$ 6,600.00		$ 6,600.00	*
Curb and Gutter, Type C (Ramp)		LF	$ 30.00	=	$ -		$ -	*
4" Sidewalk (common areas only)		SY	$ 48.00	=	$ -		$ -	*
5" Sidewalk		SY	$ 60.00	=	$ -		$ -	*
6" Sidewalk		SY	$ 72.00	=	$ -		$ -	*
8" Sidewalk		SY	$ 96.00		$ -		$ -	*
Pedestrian Ramp		EA	$ 1,150.00	=	$ -		$ -	*
Cross Pan, local (8" thick, 6' wide to include return)		LF	$ 61.00	=	$ -		$ -	*
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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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining	
				=	$ -		$ -	
[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	76	LF	$ 65.00	=	$ 4,940.00		$ 4,940.00	*
24" Reinforced Concrete Pipe	173	LF	$ 78.00	=	$ 13,494.00		$ 13,494.00	*
30" Reinforced Concrete Pipe		LF	$ 97.00	=	$ -		$ -	*
36" Reinforced Concrete Pipe	74	LF	$ 120.00	=	$ 8,880.00		$ 8,880.00	*
42" Reinforced Concrete Pipe		LF	$ 160.00	=	$ -		$ -	*
48" Reinforced Concrete Pipe		LF	$ 195.00	=	$ -		$ -	*
54" Reinforced Concrete Pipe		LF	$ 245.00	=	$ -		$ -	*
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 = 18" (unit cost = 6x pipe unit cost)	2	EA	$ 390.00	=	$ 780.00		$ 780.00	*
Flared End Section (FES) RCP Size = 24" (unit cost = 6x pipe unit cost)	2	EA	$ 468.00	=	$ 936.00		$ 936.00	*
Flared End Section (FES) RCP Size = 36" (unit cost = 6x pipe unit cost)	2	EA	$ 720.00	=	$ 1,440.00		$ 1,440.00	*
End Treatment- Headwall		EA		=	$ -		$ -	*
End Treatment- Wingwall		EA		=	$ -		$ -	*
End Treatment - Cutoff Wall		EA		=	$ -		$ -	*
Curb Inlet (Type R) L=5', Depth < 5'		EA	$ 5,542.00	=	$ -		$ -	*
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	$ 7,188.00	=	$ -		$ -	*
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'		EA	$ 7,861.00	=	$ -		$ -	*
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'		EA	$ 10,633.00	=	$ -		$ -	*
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'		EA	$ 11,667.00	=	$ -		$ -	*
Grated Inlet (Type C), Depth < 5'		EA	$ 4,640.00	=	$ -		$ -	*
Grated Inlet (Type D), Depth < 5'	1	EA	$ 5,731.00	=	$ 5,731.00		$ 5,731.00	*
Storm Sewer Manhole, Box Base		EA	$ 11,627.00	=	$ -		$ -	*
Storm Sewer Manhole, Slab Base		EA	$ 6,395.00	=	$ -		$ -	*
Geotextile (Erosion Control)		SY	$ 6.00	=	$ -		$ -	*
Rip Rap, d50 size from 6" to 24"	38	Tons	$ 80.00	=	$ 3,000.00		$ 3,000.00	*
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				=	$ -		$ -	*
				=	$ -		$ -	
[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**		**=**	**$ 262,516.00**		**$ 262,516.00**	

PROJECT INFORMATION		
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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								
					=	$ -		$ -
					=	$ -		$ -
					=	$ -		$ -
					=	$ -		$ -
					=	$ -		$ -
					=	$ -		$ -
STORM DRAIN IMPROVEMENTS	(Exception: Permanent Pond/BMP shall be itemized under Section 1)							
18" Reinforced Concrete Pipe		56	LF	$ 65.00	=	$ 3,640.00		$ 3,640.00
30" Reinforced Concrete Pipe		74	LF	$ 97.00	=	$ 7,178.00		$ 7,178.00
48" Reinforced Concrete Pipe		108	LF	$ 195.00	=	$ 21,060.00		$ 21,060.00
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)	18"	1	EA	$ 390.00	=	$ 390.00		$ 390.00
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)	48"	2	EA	$ 1,170.00	=	$ 2,340.00		$ 2,340.00
					=	$ -		$ -
					=	$ -		$ -
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"			LF	$ 40.00	=	$ -		$ -
Water Main Pipe (PVC), Size 12"			LF	$ 64.00	=	$ -		$ -
Water Main Pipe (Ductile Iron), Size 8"			LF	$ 75.00	=	$ -		$ -
Gate Valves, 8"-12"			EA	$ 1,858.00	=	$ -		$ -
Fire Hydrant Assembly, w/ all valves			EA	$ 6,597.00	=	$ -		$ -
Water Service Line Installation, inc. tap and valves			EA	$ 1,324.00	=	$ -		$ -
Fire Cistern Installation, complete			EA		=	$ -		$ -
					=	$ -		$ -
[insert items not listed but part of construction plans]					=	$ -		$ -
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"			LF	$ 40.00	=	$ -		$ -
Sanitary Sewer Manhole, Depth < 15 feet			EA	$ 4,386.00	=	$ -		$ -
Sanitary Service Line Installation, complete			EA	$ 1,402.00	=	$ -		$ -
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**	**=**	**$ 34,608.00**		**$ 34,608.00**

PROJECT INFORMATION		
Rollin Ridge Filing No. 1 (16 residential lots)	7/21/2020	SF-19-022
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	$ 2,000.00	=	$ 2,000.00		$ 2,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	$ 3,000.00	=	$ 3,000.00		$ 3,000.00

Total Construction Financial Assurance **$ 456,361.00**

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

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) **$ 456,361.00**

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

Total Defect Warranty Financial Assurance **$ 81,282.40**

(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