

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

Updated: 6/7/2019

PROJECT INFORMATION		
Estates at Rollings Hills Ranch Filing 1	12/26/2019	SF1919
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>								
* 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	11,400	CY	\$ 5.00	=	\$ 57,000.00		\$ 57,000.00	
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.)	12	AC	\$ 800.00	=	\$ 9,600.00		\$ 9,600.00	
* Mulching	12	AC	\$ 750.00	=	\$ 9,000.00		\$ 9,000.00	
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -	
* Permanent Pond/BMP (Spillway)		EA		=	\$ -		\$ -	
* Permanent Pond/BMP (Outlet Structure)		EA		=	\$ -		\$ -	
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	2,455	LF	\$ 2.50	=	\$ 6,137.50		\$ 6,137.50	
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	4	EA	\$ 167.00	=	\$ 668.00		\$ 668.00	
Sediment Basin		EA	\$ 1,762.00	=	\$ -		\$ -	
Concrete Washout Basin		EA	\$ 900.00	=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 3,211.43		\$ 3,211.43
<b>Section 1 Subtotal</b>					=	<b>\$ 87,986.93</b>		<b>\$ 87,986.93</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>								
<b>ROADWAY IMPROVEMENTS</b>								
Construction Traffic Control		LS		=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -	
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -	
Asphalt Pavement (4" thick)	12,506	SY	\$ 19.00	=	\$ 237,614.00		\$ 237,614.00	
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -		\$ -	
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -	
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	1,732	SF	\$ 13.00	=	\$ 22,516.00		\$ 22,516.00	
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -	
Barricade - Type 3 Tech Contractors owns	0	EA	\$ 200.00	=	\$ -		\$ -	
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)	3,650	LF	\$ 30.00	=	\$ 109,500.00		\$ 109,500.00	
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)	3,042	LF	\$ 30.00	=	\$ 91,260.00		\$ 91,260.00	
4" Sidewalk (common areas only)	841	SY	\$ 48.00	=	\$ 40,368.00		\$ 40,368.00	
5" Sidewalk	1,558	SY	\$ 60.00	=	\$ 93,480.00		\$ 93,480.00	
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -	
Pedestrian Ramp	13	EA	\$ 1,150.00	=	\$ 14,950.00		\$ 14,950.00	
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	=	\$ -		\$ -	

**PROJECT INFORMATION**

<b>Estates at Rollings Hills Ranch Filing 1</b>	<b>12/26/2019</b>	<b>SF1919</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	94	LF	\$ 65.00	=	\$ 6,110.00		\$ 6,110.00
24" Reinforced Concrete Pipe		LF	\$ 78.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 97.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe	540	LF	\$ 120.00	=	\$ 64,800.00		\$ 64,800.00
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	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 390.00	=	\$ 390.00		\$ 390.00
Flared End Section (FES) CSP Size = 36" <small>(unit cost = 6x pipe unit cost)</small>	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'	4	EA	\$ 7,627.00	=	\$ 30,508.00		\$ 30,508.00
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'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	1	EA	\$ 6,395.00	=	\$ 6,395.00		\$ 6,395.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00	=	\$ -		\$ -
Rip Rap, Grouted	40	Tons	\$ 95.00	=	\$ 3,800.00		\$ 3,800.00
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				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
				=	\$ -		\$ -
<b>Section 2 Subtotal</b>					<b>=</b>	<b>\$ 725,431.00</b>	<b>\$ 725,431.00</b>

\* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

**PROJECT INFORMATION**

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<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	1,770	LF	\$ 64.00	=	\$ 113,280.00		\$ 113,280.00
Water Main Pipe (PVC), Size 12"	150	LF	\$ 70.00	=	\$ 10,500.00		\$ 10,500.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"	5	EA	\$ 1,858.00	=	\$ 9,290.00		\$ 9,290.00
Gate Valves, 12"	2	EA	\$ 2,100.00	=	\$ 4,200.00		\$ 4,200.00
Fire Hydrant Assembly, w/ all valves	4	EA	\$ 6,597.00	=	\$ 26,388.00		\$ 26,388.00
Water Service Line Installation, inc. tap and valves	17	EA	\$ 1,324.00	=	\$ 22,508.00		\$ 22,508.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	1,760	LF	\$ 64.00	=	\$ 112,640.00		\$ 112,640.00
Sanitary Sewer Manhole, Depth < 15 feet	5	EA	\$ 4,386.00	=	\$ 21,930.00		\$ 21,930.00
Sanitary Service Line Installation, complete	16	EA	\$ 1,402.00	=	\$ 22,432.00		\$ 22,432.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 343,168.00</b>	<b>\$ 343,168.00</b>

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

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<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	= \$	-		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	= \$	-		\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 1,156,585.93</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 1,156,585.93</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
<b>Total Defect Warranty Financial Assurance</b>						<b>\$ 160,206.20</b>
(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, Owner / Applicant Vice President

\_\_\_\_\_  
Date

Approved by El Paso County Engineer / ECM Administrator

\_\_\_\_\_  
Date