

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

Updated: 6/7/2019

PROJECT INFORMATION		
Rolling Hills Ranch Standalone Grading	2/17/2021	EGP203
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							
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min	531,374	CY	\$ 2.00	=	\$ 1,062,748.00	100%	\$ Okay, EN
* Permanent Seeding (inc. noxious weed mgmnt.)	252	AC	\$ 800.00	=	\$ 201,600.00	60%	\$ 80,640
* Mulching	252	AC	\$ 750.00	=	\$ 189,000.00	60%	\$ 75,600
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -
* Permanent Pond/BMP (Spillway)	1	EA	\$ 31,200	=	\$ 31,200.00	80%	\$ 6,240
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 50,000	=	\$ 50,000.00	80%	\$ 10,000
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	18,371	SY	\$ 3.00	=	\$ 55,113.00	30%	\$ 38,579
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00	100%	\$ -
Silt Fence	15,099	LF	\$ 2.50	=	\$ 37,747.50	100%	\$ -
Temporary Seeding		AC	\$ 628.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 750.00	=	\$ -		\$ -
Erosion Bales	1,212	EA	\$ 25.00	=	\$ 30,300.00	60%	\$ 12,120
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	1	EA	\$ 167.00	=	\$ 167.00		\$ 167
Sediment Basin	7	EA	\$ 1,762.00	=	\$ 12,334.00	100%	\$ -
Concrete Washout Basin		EA	\$ 900.00	=	\$ -		\$ -
Detention Pond Concrete Trickle Channel	550	SY	\$ 72.00	=	\$ 39,600.00	100%	\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)							\$ 62,171.03
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED).							\$ 62,171
Section 1 Subtotal					=	\$ 1,774,350.53	\$ 285,517
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
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)		SY	\$ 19.00	=	\$ -		\$ -
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		EA	\$ 300.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
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	=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -

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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		LF	\$ 65.00	=	\$ -	\$ -
24" Reinforced Concrete Pipe	808	LF	\$ 78.00	=	\$ 63,024.00	80% \$ 12,605
30" Reinforced Concrete Pipe		LF	\$ 97.00	=	\$ -	\$ -
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$ -	\$ -
42" Reinforced Concrete Pipe	259	LF	\$ 160.00	=	\$ 41,440.00	80% \$ 8,288
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 = 24 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 468.00	=	\$ 468.00	80% \$ 94
Flared End Section (FES) RCP Size = 42 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 960.00	=	\$ 960.00	80% \$ 192
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -	\$ -
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'	1	EA	\$ 4,640.00	=	\$ 4,640.00	80% \$ 928
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -	\$ -
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	=	\$ -	\$ -
Storm Sewer Manhole, Slab Base	2	EA	\$ 6,395.00	=	\$ 12,790.00	80% \$ 2,558
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -	\$ -
Rip Rap, d50 size from 6" to 24"	1,103	Tons	\$ 80.00	=	\$ 88,240.00	80% \$ 17,648
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	3,985	CY	\$ 112.00	=	\$ 446,320.00	80% \$ 89,264
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -	\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				Section 2 Subtotal	= \$ 657,882.00	\$ 131,576

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)						
				=	\$ -	\$ -
				=	\$ -	\$ -
				=	\$ -	\$ -
				=	\$ -	\$ -

PROJECT INFORMATION


Rolling Hills Ranch Standalone Grading EGP203
 Project Name 2/17/2021 Date PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL						
Water Main Pipe (PVC), Size 8"		LF	\$ 64.00	= \$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	= \$ -		\$ -
Gate Valves, 8"		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 Cistem Installation, complete		EA		= \$ -		\$ -
[insert items not listed but part of construction plans]						
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 64.00	= \$ -		\$ -
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				= \$ -		\$ -
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000
Total Construction Financial Assurance					\$ 2,442,233	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 427,094	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 438,486	
(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 1:30:55 PM
 dsdnijkamp

**EPC Planning & Community
 Development Department**