

# 2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 11/16/2020

PROJECT INFORMATION			
Rolling Hills Ranch FILING NO. 3	5/5/2021	SF-21-016	
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		CY	\$ 5.00	=	\$ -		\$ -
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	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.20	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.10	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.10	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,453.00	=	\$ 2,453		\$ 2,453
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.20	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection	13	EA	\$ 173.00	=	\$ 2,249		\$ 2,249
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932		\$ 932
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ 1,972		\$ 1,972
<b>Section 1 Subtotal</b>				=	<b>\$ 7,606</b>		<b>\$ 7,606</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Concrete treated Subgrade (8")	29,531	SY	\$ 6.00	=	\$ 177,186		\$ 177,186
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	29,531	SY	\$ 20.00	=	\$ 590,620		\$ 590,620
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	15	EA	\$ 311.00	=	\$ 4,665		\$ 4,665
Guide/Street Name Sign	11	EA	\$ 100.00	=	\$ 1,100		\$ 1,100
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3 - GTL Development Owned		EA	\$ -	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	3,203	LF	\$ 30.00	=	\$ 96,090		\$ 96,090
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	13,202	LF	\$ 30.00	=	\$ 396,060		\$ 396,060
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk	9,091	SY	\$ 62.00	=	\$ 563,642		\$ 563,642
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	36	EA	\$ 1,190.00	=	\$ 42,840		\$ 42,840
Cross Pan, local (8" thick, 6' wide to include return)	70	LF	\$ 63.00	=	\$ 4,410		\$ 4,410
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

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<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	177	LF	\$ 65.00	=	\$ 11,505		\$ 11,505
24" Reinforced Concrete Pipe	849	LF	\$ 78.00	=	\$ 66,222		\$ 66,222
30" Reinforced Concrete Pipe	356	LF	\$ 97.00	=	\$ 34,532		\$ 34,532
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe	155	LF	\$ 160.00	=	\$ 24,800		\$ 24,800
48" Reinforced Concrete Pipe		LF	\$ 195.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -
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 (unit cost = 6x pipe unit cost)	1	EA	\$ 468.00	=	\$ 468		\$ 468
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		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	1	EA	\$ 5,736.00	=	\$ 5,736		\$ 5,736
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	3	EA	\$ 7,894.00	=	\$ 23,682		\$ 23,682
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	4	EA	\$ 10,265.00	=	\$ 41,060		\$ 41,060
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'	1	EA	\$ 10,940.00	=	\$ 10,940		\$ 10,940
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	6	EA	\$ 6,619.00	=	\$ 39,714		\$ 39,714
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	12	Tons	\$ 83.00	=	\$ 996		\$ 996
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 2,136,268		\$ 2,136,268

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

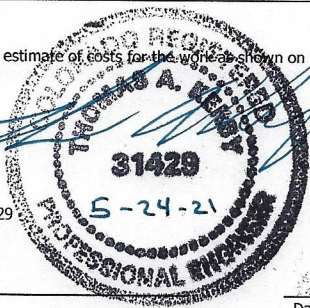
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Project Name	Date	PCD File No.

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 6"		LF	\$ 55.00	= \$ -		\$ -
Water Main Pipe (PVC), Size 8"	5,421	LF	\$ 64.00	= \$ 346,944		\$ 346,944
Water Main Pipe (PVC), Size 12"	3,211	LF	\$ 75.00	= \$ 240,825		\$ 240,825
Gate Valves, 6"		EA	\$ 1,500.00	= \$ -		\$ -
Gate Valves, 8"	17	EA	\$ 1,858.00	= \$ 31,586		\$ 31,586
Gate Valves, 12"	11	EA	\$ 2,100.00	= \$ 23,100		\$ 23,100
Fire Hydrant Assembly, w/ all valves	21	EA	\$ 6,597.00	= \$ 138,537		\$ 138,537
Water Service Line Installation, inc. tap and valves	205	EA	\$ 1,324.00	= \$ 271,420		\$ 271,420
Fire Cistern Installation, complete		EA		= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>						
Sewer Main Pipe (PVC), Size 8"	5,358	LF	\$ 66.00	= \$ 353,628		\$ 353,628
Sanitary Sewer Manhole, Depth < 15 feet	18	EA	\$ 4,540.00	= \$ 81,720		\$ 81,720
Sanitary Service Line Installation, complete	189	EA	\$ 1,451.00	= \$ 274,239		\$ 274,239
Sanitary Sewer Lift Station, complete		EA		= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)						
		EA		= \$ -		\$ -
** - Section 3 is not subject to defect warranty requirements				<b>Section 3 Subtotal</b>	<b>= \$ 1,761,999</b>	<b>\$ 1,761,999</b>
<b>AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)</b>						
		LS	\$ 1,000.00	= \$ 1,000		\$ 1,000
<b>POND/BMP CERTIFICATION (inc. elevations and volume calculations)</b>						
		LS		= \$ -		\$ -
<b>Total Construction Financial Assurance</b>					<b>\$ 3,906,873</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>\$ 3,906,873</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>\$ 427,254</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 31429



Raul Guzman, Vice President  
GTL Development Inc.

Date

6/11/2021

**APPROVED**  
**Engineering Department**

07/29/2021 12:09:39 PM

ddnjikamp

EPC Planning & Community  
Development Department

Approved by El Paso County Engineer / ECM Administrator