

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

Updated: 6/7/2019

PROJECT INFORMATION		
Estates at Rollings Hills Ranch Filing 2	11/3/2020	SF-20-018
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		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min	88,100	CY	\$ 2.50	=	\$ 220,250.00		\$ 220,250.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	49	AC	\$ 800.00	=	\$ 39,200.00		\$ 39,200.00
* Mulching	49	AC	\$ 750.00	=	\$ 36,750.00		\$ 36,750.00
* 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	1,240	SY	\$ 3.00	=	\$ 3,720.00		\$ 3,720.00
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00		\$ 2,370.00
Silt Fence	2,667	LF	\$ 2.50	=	\$ 6,667.50		\$ 6,667.50
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	15	EA	\$ 167.00	=	\$ 2,505.00		\$ 2,505.00
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)				=	\$ 5,656.88		\$ 5,656.88
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
Section 1 Subtotal				=	\$ 318,019.38		\$ 318,019.38
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -
Concrete Treated Subgrade (8')	34,256	SY	\$ 6.00	=	\$ 205,536.00		\$ 205,536.00
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	27,631	SY	\$ 19.00	=	\$ 524,989.00		\$ 524,989.00
Asphalt Pavement (6" thick)	6,625	SY	\$ 29.00	=	\$ 192,125.00		\$ 192,125.00
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	12	EA	\$ 300.00	=	\$ 3,600.00		\$ 3,600.00
Guide/Street Name Sign	7	EA	\$ 100.00	=	\$ 700.00		\$ 700.00
Epoxy Pavement Marking	2,602	SF	\$ 13.00	=	\$ 33,826.00		\$ 33,826.00
Thermoplastic Pavement Marking	34	SF	\$ 23.00	=	\$ 782.00		\$ 782.00
Barricade - Type 3 Tech Contractors owns		EA	\$ 200.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	5,785	LF	\$ 30.00	=	\$ 173,550.00		\$ 173,550.00
Curb and Gutter, Type B (Median)	1,694	LF	\$ 30.00	=	\$ 50,820.00		\$ 50,820.00
Curb and Gutter, Type C (Ramp)	11,358	LF	\$ 30.00	=	\$ 340,740.00		\$ 340,740.00
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -
5" Sidewalk	8,352	SY	\$ 60.00	=	\$ 501,120.00		\$ 501,120.00
6" Sidewalk	3,430	SY	\$ 72.00	=	\$ 246,960.00		\$ 246,960.00
8" Sidewalk	305	SY	\$ 96.00	=	\$ 29,280.00		\$ 29,280.00
Pedestrian Ramp	38	EA	\$ 1,150.00	=	\$ 43,700.00		\$ 43,700.00
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	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -

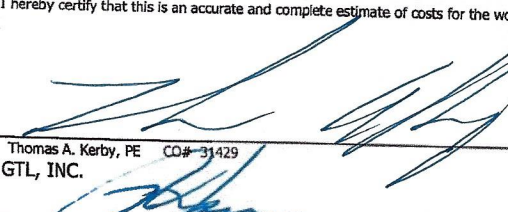
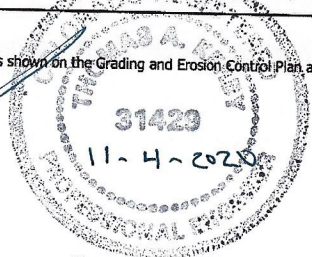
PROJECT INFORMATION							
Estates at Rollings Hills Ranch Filing 2			11/3/2020			SF-20-018	
Project Name			Date			PCD File No.	
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (10 x 4)	204	LF	\$ 400.00	=	\$ 81,600.00		\$ 81,600.00
18" Reinforced Concrete Pipe	154	LF	\$ 65.00	=	\$ 10,010.00		\$ 10,010.00
24" Reinforced Concrete Pipe	671	LF	\$ 78.00	=	\$ 52,338.00		\$ 52,338.00
30" Reinforced Concrete Pipe	1,095	LF	\$ 97.00	=	\$ 106,215.00		\$ 106,215.00
36" Reinforced Concrete Pipe	370	LF	\$ 120.00	=	\$ 44,400.00		\$ 44,400.00
42" Reinforced Concrete Pipe	1,199	LF	\$ 160.00	=	\$ 191,840.00		\$ 191,840.00
48" Reinforced Concrete Pipe	246	LF	\$ 195.00	=	\$ 47,970.00		\$ 47,970.00
54" Reinforced Concrete Pipe	161	LF	\$ 245.00	=	\$ 39,445.00		\$ 39,445.00
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 = 54" (unit cost = 6x pipe unit cost)	1	EA	\$ 1,470.00	=	\$ 1,470.00		\$ 1,470.00
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
End Treatment- Headwall	2	EA	\$ 4,000.00	=	\$ 8,000.00		\$ 8,000.00
End Treatment- Wingwall	4	EA	\$ 9,000.00	=	\$ 36,000.00		\$ 36,000.00
End Treatment - Cutoff Wall	1	EA	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00
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'	1	EA	\$ 7,627.00	=	\$ 7,627.00		\$ 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'	1	EA	\$ 9,918.00	=	\$ 9,918.00		\$ 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'	7	EA	\$ 10,570.00	=	\$ 73,990.00		\$ 73,990.00
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		\$ 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	13	EA	\$ 6,395.00	=	\$ 83,135.00		\$ 83,135.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	675	Tons	\$ 80.00	=	\$ 54,000.00		\$ 54,000.00
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]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 3,209,387.00		\$ 3,209,387.00

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

PROJECT INFORMATION		
Estates at Rollings Hills Ranch Filing 2	11/3/2020	SF-20-018
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)						
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	6,846	LF	\$ 64.00	= \$ 438,144.00		\$ 438,144.00
Water Main Pipe (PVC), Size 12"	2,919	LF	\$ 70.00	= \$ 204,330.00		\$ 204,330.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	= \$ -		\$ -
Gate Valves, 8"	17	EA	\$ 1,858.00	= \$ 31,586.00		\$ 31,586.00
Gate Valves, 12"	8	EA	\$ 2,100.00	= \$ 16,800.00		\$ 16,800.00
Fire Hydrant Assembly, w/ all valves	21	EA	\$ 6,597.00	= \$ 138,537.00		\$ 138,537.00
Water Service Line Installation, inc. tap and valves	99	EA	\$ 1,324.00	= \$ 131,076.00		\$ 131,076.00
Fire Cistern Installation, complete		EA		= \$ -		\$ -
(insert items not listed but part of construction plans)				= \$ -		\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"	12,611	LF	\$ 64.00	= \$ 807,104.00		\$ 807,104.00
Sanitary Sewer Manhole, Depth < 15 feet	38	EA	\$ 4,386.00	= \$ 166,668.00		\$ 166,668.00
Sanitary Service Line Installation, complete	98	EA	\$ 1,402.00	= \$ 137,396.00		\$ 137,396.00
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		= \$ -		\$ -
Section 3 Subtotal				= \$ 2,071,641.00		\$ 2,071,641.00

AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)	LS	\$ 1.00	= \$ 2,000.00	\$ 2,000.00	\$ 2,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)	LS		= \$ -	\$ -	\$ -
Total Construction Financial Assurance \$ 5,601,047.38					
(Sum of all section subtotals plus as-builts and pond/BMP certification)					
Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 5,601,047.38					
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)					
Total Defect Warranty Financial Assurance \$ 701,117.40					
(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.	
 Thomas A. Kerby, PE CO# 31429 GTL, INC.	 November 3, 2020 Date
Approved by Raul Guzman, Owner / Applicant	Vice President
APPROVED Engineering Department 11/25/2020 10:31:00 AM dsdnijkamp EPC Planning & Community Development Department	
Approved by El Paso County Engineer / ECM Administrator	