

2022 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 11/4/2021

PROJECT INFORMATION			
The Sanctuary Filing No. 1 at Meridian Ranch	7/13/2022		SF-22-020
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		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 886.00	=	\$ -		\$ -	
* Mulching		AC	\$ 831.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	1	EA	\$ 2,625.00	=	\$ 2,625.00		\$ 2,625.00	
Silt Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding		AC	\$ 695.00	=	\$ -		\$ -	
Temporary Mulch		AC	\$ 831.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 28.00	=	\$ -		\$ -	
Erosion Logs/Straw Wattles		LF	\$ 6.00	=	\$ -		\$ -	
Rock Check Dams		EA	\$ 554.00	=	\$ -		\$ -	
Inlet Protection	12	EA	\$ 185.00	=	\$ 2,220.00		\$ 2,220.00	
Sediment Basin		EA	\$ 1,952.00	=	\$ -		\$ -	
Concrete Washout Basin	1	EA	\$ 997.00	=	\$ 997.00		\$ 997.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 2,044.70		\$ 2,044.70
Section 1 Subtotal					=	\$ 7,886.70		\$ 7,886.70

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

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	=	\$ -		\$ -
Concrete treated Subgrade (8")	38,884	SY	\$ 6.00	=	\$ 233,304.00		\$ 233,304.00
Asphalt Pavement (3" thick)		SY	\$ 16.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	25,752	SY	\$ 21.00	=	\$ 540,792.00		\$ 540,792.00
Asphalt Pavement (6" thick)	13,132	SY	\$ 32.00	=	\$ 420,224.00		\$ 420,224.00
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 97.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 9.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	18	EA	\$ 333.00	=	\$ 5,994.00		\$ 5,994.00
Guide/Street Name Sign	13	EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 15.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	=	\$ -		\$ -
Barricade - Type 3 - GTL Development Owned	3	EA	\$ -	=	\$ -		\$ -
Delineator - Type I		EA	\$ 27.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	6,060	LF	\$ 32.00	=	\$ 193,920.00		\$ 193,920.00
Curb and Gutter, Type B (Median)	2,551	LF	\$ 32.00	=	\$ 81,632.00		\$ 81,632.00
Curb and Gutter, Type C (Ramp)	12,352	LF	\$ 32.00	=	\$ 395,264.00		\$ 395,264.00
4" Sidewalk (common areas only)		SY	\$ 53.00	=	\$ -		\$ -
5" Sidewalk	8,117	SY	\$ 66.00	=	\$ 535,722.00		\$ 535,722.00
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -
Pedestrian Ramp	42	EA	\$ 1,273.00	=	\$ 53,466.00		\$ 53,466.00
Cross Pan, local (8" thick, 6' wide to include return)	666	LF	\$ 67.00	=	\$ 44,622.00		\$ 44,622.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,639.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 55.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 80.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,324.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,172.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 87.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 18.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	=	\$ -		\$ -

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						% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	306	LF	\$ 70.00	=	\$ 21,420.00		\$ 21,420.00
24" Reinforced Concrete Pipe	372	LF	\$ 83.00	=	\$ 30,876.00		\$ 30,876.00
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe	32	LF	\$ 128.00	=	\$ 4,096.00		\$ 4,096.00
42" Reinforced Concrete Pipe	298	LF	\$ 171.00	=	\$ 50,958.00		\$ 50,958.00
48" Reinforced Concrete Pipe	419	LF	\$ 209.00	=	\$ 87,571.00		\$ 87,571.00
54" Reinforced Concrete Pipe	1,251	LF	\$ 272.00	=	\$ 340,272.00		\$ 340,272.00
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 24 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 468.00	=	\$ 468.00		\$ 468.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	1	EA	\$ 8,447.00	=	\$ 8,447.00		\$ 8,447.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	5	EA	\$ 10,984.00	=	\$ 54,920.00		\$ 54,920.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,775.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'	5	EA	\$ 11,706.00	=	\$ 58,530.00		\$ 58,530.00
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	1	EA	\$ 12,920.00	=	\$ 12,920.00		\$ 12,920.00
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,876.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	11	EA	\$ 7,082.00	=	\$ 77,902.00		\$ 77,902.00
Geotextile (Erosion Control)		SY	\$ 7.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	102	Tons	\$ 89.00	=	\$ 9,078.00		\$ 9,078.00
Rip Rap, Grouted		Tons	\$ 105.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<i>* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 3,262,398.00	\$ 3,262,398.00

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						% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
6" Sidewalk	2,869	SY	\$ 80.00	=	\$ 229,520		\$ 229,520
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 6"		LF	\$ 61.00	=	\$ -		\$ -
Water Main Pipe (PVC), Size 8"	7,919	LF	\$ 71.00	=	\$ 562,249.00		\$ 562,249.00
Water Main Pipe (PVC), Size 10"	418	LF	\$ 78.00	=	\$ 32,604.00		\$ 32,604.00
Gate Valves, 6"		EA	\$ 1,661.00	=	\$ -		\$ -
Gate Valves, 8"	32	EA	\$ 2,058.00	=	\$ 65,856.00		\$ 65,856.00
Gate Valves, 10"	1	EA	\$ 2,193.00	=	\$ 2,193.00		\$ 2,193.00
Fire Hydrant Assembly, w/ all valves	17	EA	\$ 7,306.00	=	\$ 124,202.00		\$ 124,202.00
Water Service Line Installation, inc. tap and valves	344	EA	\$ 1,466.00	=	\$ 504,304.00		\$ 504,304.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	8,702	LF	\$ 71.00	=	\$ 617,842.00		\$ 617,842.00
Sanitary Sewer Manhole, Depth < 15 feet	25	EA	\$ 4,858.00	=	\$ 121,450.00		\$ 121,450.00
Sanitary Service Line Installation, complete	343	EA	\$ 1,553.00	=	\$ 532,679.00		\$ 532,679.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
** - Section 3 is not subject to defect warranty requirements							
Section 3 Subtotal					= \$ 2,792,899.00		\$ 2,792,899.00

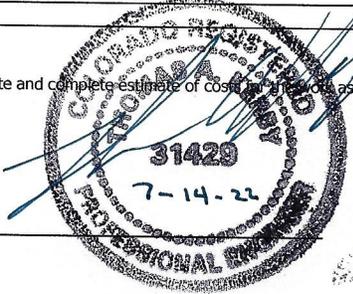
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Project Name	Date	PCD File No.

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					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1,000.00	= \$ 1,000.00		\$ 1,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 6,064,183.70
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,064,183.70
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 652,479.60
(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 cost for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.



Engineer (P.E. Seal Required)
GTL, INC.

Raul Guzman

Approved by Owner / Applicant: Raul Guzman, Vice President

July 14, 2022

Date

APPROVED

Engineering Department

08/17/2022 6:07:50 PM

dsdnijkamp

**EPC Planning & Community
Development Department**

Approved by El Paso County Engineer / ECM Administrator