

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

PROJECT INFORMATION		
Latigo Trails Fil 9	6/17/2022	SF-2136
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	32,486	CY	\$ 3.50	=	\$ 113,701.00		\$ 113,701.00
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.)	8.62	AC	\$ 828.00	=	\$ 7,137.36		\$ 7,137.36
* Mulching	8.62	AC	\$ 777.00	=	\$ 6,697.74		\$ 6,697.74
* Permanent Turf Reinforcement Mat (TRM)	7,606	SY	\$ 11.00	=	\$ 83,666.00		\$ 83,666.00
* Permanent Erosion Control Blanket (ECB)	13,594	SY	\$ 6.00	=	\$ 81,564.00		\$ 81,564.00
* Permanent Pond/BMP Construction	See Below	CY	\$ -	=			\$ -
* Permanent Pond/BMP (provide engineer's estimate)	See Below	EA		=			
Safety Fence	0	LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	0	SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,453.00	=	\$ 4,906.00		\$ 4,906.00
Silt Fence	9,506	LF	\$ 2.60	=	\$ 24,715.60		\$ 24,715.60
Temporary Seeding	0	AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch	0	AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales	0	EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle	45	LF	\$ 5.00	=	\$ 225.00		\$ 225.00
Rock Check Dams	132	EA	\$ 518.00	=	\$ 68,376.00		\$ 68,376.00
Inlet Protection	6	EA	\$ 173.00	=	\$ 1,038.00		\$ 1,038.00
Outlet Protection	6	EA	\$ 173.00	=	\$ 1,038.00		\$ 1,038.00
Sediment Basin	1	EA	\$ 1,824.00	=	\$ 1,824.00		\$ 1,824.00
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00
Stabilized Staging Area	1	LS	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Construction Fence	4,781	LF	\$ 1.00	=	\$ 4,781.00		\$ 4,781.00
<i>[insert items not listed but part of construction plans]</i>					\$ -		\$ -
South Pond					\$ -		\$ -
Detention Outlet Structure (modification)	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Low Tailwater Riprap Basin	1	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Concrete Trickle Channel	35	CY	\$ 95.00	=	\$ 3,325.00		\$ 3,325.00
Detention Emergency Spillway	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Permanent WQ Feature (EDB) (Retrofit)	1	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Gravel Maintenance Access Road	335	CY	\$ 45.00	=	\$ 15,075.00		\$ 15,075.00
G1 Pond					\$ -		\$ -
24" RCP	42	LF	\$ 81.00	=	\$ 3,402.00		\$ 3,402.00
Detention Outlet Structure	1	EA	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
Rock Chute	1	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Concrete Trickle Channel	24	CY	\$ 95.00	=	\$ 2,280.00		\$ 2,280.00
Detention Emergency Spillway	1	EA	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
24" - Flared End Section (FES)	1	EA	\$ 486.00	=	\$ 486.00		\$ 486.00
Permanent WQ Feature (EDB)	1	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Gravel Maintenance Access Road	82	CY	\$ 45.00	=	\$ 3,690.00		\$ 3,690.00
Paved Maintenance Access Road	16	CY	\$ 80.00	=	\$ 1,280.00		\$ 1,280.00
MAINTENANCE (35% of Construction BMPs)				=	\$ 65,930.76		\$ 65,930.76
Section 1 Subtotal					=	\$ 547,070.46	\$ 547,070.46

* - 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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					% Complete	Remaining

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS

Removal of Asphalt (Full Depth)		SY	\$ 10.00		\$ -		\$ -	*
Removal of Asphalt (Planing-4")		SY	\$ 5.00		\$ -		\$ -	*
Removal of Striping		LF	\$ 1.00		\$ -		\$ -	*
Removal of Fencing		LF	\$ 5.00		\$ -		\$ -	*
Aggregate Base Course (133 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -	*
Aggregate Base Course (133 lbs/cf) 6" thick	2,490	CY	\$ 52.00		\$ 129,480.00		\$ 129,480.00	*
Asphalt Pavement (3" thick)		SY	\$ 14.50		\$ -		\$ -	*
Asphalt Pavement (4" thick)	14,935	SY	\$ 20.00		\$ 298,700.00		\$ 298,700.00	*
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	1	EA	\$ 311.00	=	\$ 311.00		\$ 311.00	*
Guide/Street Name Sign	4	EA	\$ 250.00	=	\$ 1,000.00		\$ 1,000.00	*
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -	*
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -	*
Barricade - Type 3	1	EA	\$ 207.00	=	\$ 207.00		\$ 207.00	*
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -	*
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -	*
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -	*
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -	*
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -	*
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -	*
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -	*
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -	*
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -	*
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -	*
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	=	\$ -		\$ -	*
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	*

STORM DRAIN IMPROVEMENTS

Concrete Box Culvert (M Standard), Size (9 W x 3 H)	57	LF	\$ 1,500.00	=	\$ 85,500.00		\$ 85,500.00	*
18" Reinforced Concrete Pipe	50	LF	\$ 67.00	=	\$ 3,350.00		\$ 3,350.00	*
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$ -		\$ -	*
29" x 45" Horizontal Elliptical Reinforced Concrete Pipe		LF	\$ 130.00	=	\$ -		\$ -	*
30" Reinforced Concrete Pipe	45	LF	\$ 100.00	=	\$ 4,500.00		\$ 4,500.00	*
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$ -		\$ -	*
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -	*
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -	*
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -	*
43"x68" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -	*
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -	*
18" - Flared End Section (FES)	2	EA	\$ 402.00		\$ 804.00		\$ 804.00	*
30" - Flared End Section (FES)	2	EA	\$ 600.00		\$ 1,200.00		\$ 1,200.00	*
End Treatment- Headwall (9X3 RCBC)	2	EA	\$ 4,000.00	=	\$ 8,000.00		\$ 8,000.00	*
End Treatment- Wingwall	2	EA	\$ 3,000.00	=	\$ 6,000.00		\$ 6,000.00	*
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -	*
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	=	\$ -		\$ -	*

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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'		EA	\$ 7,894.00	=	\$ -		\$ -
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'		EA	\$ 10,265.00	=	\$ -		\$ -
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'		EA	\$ 10,940.00	=	\$ -		\$ -
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		EA	\$ 6,619.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	85	Tons	\$ 83.00	=	\$ 7,055.00		\$ 7,055.00
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size (Varies)		LF	\$ 15.00	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC		=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 596,107.00		\$ 596,107.00

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"	3,723	LF	\$ 66.00	=	\$ 245,718.00		\$ 245,718.00
Water Main Pipe (PVC), Size 12"		LF	\$ 100.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"	20	EA	\$ 1,923.00	=	\$ 38,460.00		\$ 38,460.00
Gate Valves, 12"		EA	\$ 2,900.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves/appurtenances	11	EA	\$ 6,828.00	=	\$ 75,108.00		\$ 75,108.00
Water Service Line Installation, inc. tap and valves	39	EA	\$ 1,370.00	=	\$ 53,430.00		\$ 53,430.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Electrical per lot	39	EA	\$ 2,800.00	=	\$ 109,200.00		\$ 109,200.00
Gas Main	4,500	LF	\$ 25.00	=	\$ 112,500.00		\$ 112,500.00
Gas Service (50' per lot @\$15/lf)	39	EA	\$ 750.00	=	\$ 29,250.00		\$ 29,250.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -

SANITARY SEWER IMPROVEMENTS

Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	=	\$ -		\$ -
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 Subtotal				=	\$ 663,666.00		\$ 663,666.00
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** - Section 3 is not subject to defect warranty requirements

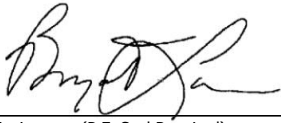
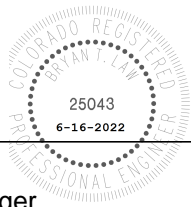
PROJECT INFORMATION

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 10,000.00	=	\$	10,000.00	\$	10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 10,000.00	=	\$	10,000.00	\$	10,000.00
Total Construction Financial Assurance							\$	1,826,843.46
(Sum of all section subtotals plus as-builts and pond/BMP certification)								
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)							\$	1,826,843.46
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)								
Total Defect Warranty Financial Assurance							\$	228,635.49
(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.

Engineer (P.E. Seal Required)

, Manager

6/21/22

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date