

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

SF2136

PROJECT INFORMATION			
Latigo Trails Fil 10	9/17/2021	SF-XX-XXX	
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	29,934	CY	\$ 3.50	=	\$ 104,769.00		\$ 104,769.00
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ -	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmt.)	8.81	AC	\$ 82.00	=	\$ 729.48		\$ 7,294.68
* Mulching		AC	\$ 77.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket	17,458	SY	\$ 6.00	=	\$ 104,748.96		\$ 104,748.96
* Permanent Pond/BMP Construction	See Below	CY	\$ -	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,453.00	=	\$ 4,906.00		\$ 4,906.00
Silt Fence	1,100	LF	\$ 2.60	=	\$ 2,860.00		\$ 2,860.00
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle	5	LF	\$ 5.00	=	\$ 25.00		\$ 25.00
Rock Check Dams	108	EA	\$ 518.00	=	\$ 55,944.00		\$ 55,944.00
Inlet Protection	1	EA	\$ 173.00	=	\$ 173.00		\$ 173.00
Outlet Protection	1	EA	\$ 173.00	=	\$ 173.00		\$ 173.00
Sediment Basin		EA	\$ 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
[insert items not listed but part of construction plans]					\$ -		\$ -
<b>South Pond</b>							
48" RCP	300	LF	\$ 100.00	=	\$ 30,000.00		\$ 30,000.00
Detention Outlet Structure	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Concrete/Riprap Forebay		EA	\$ 3,000.00	=	\$ -		\$ -
Concrete Trickle Channel	200	CY	\$ 95.00	=	\$ 19,000.00		\$ 19,000.00
Detention Emergency Spillway	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
48" - Flared End Section (FES)	8	EA	\$ 600.00	=	\$ 4,800.00		\$ 4,800.00
Permanent WQ Feature (EDB)		EA	\$ 5,000.00	=	\$ -		\$ -
Gravel Maintenance Access Road	800	SY	\$ 45.00	=	\$ 36,000.00		\$ 36,000.00
<b>G1 Pond</b>							
24" RCP	36	LF	\$ 81.00	=	\$ 4,050.00		\$ 4,050.00
Detention Outlet Structure	1	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Concrete/Riprap Forebay	1	EA	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Concrete Trickle Channel	50	CY	\$ 95.00	=	\$ 4,750.00		\$ 4,750.00
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)		EA	\$ 2,500.00	=	\$ -		\$ -
Gravel Maintenance Access Road	200	SY	\$ 45.00	=	\$ 9,000.00		\$ 9,000.00
<b>MAINTENANCE (35% of Construction BMPs)</b>					\$ 74,759.65		\$ 74,759.65
<b>Section 1 Subtotal</b>					\$ 505,171.29		\$ 505,171.29

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>RAISED MEDIAN</b>							
Removal of Striping		SY	\$ 10.00	=	\$ -		\$ -
Removal of Fencing		SY	\$ 5.00	=	\$ -		\$ -
Aggregate Base Course (133 lbs/cf)		LF	\$ 1.00	=	\$ -		\$ -
Aggregate Base Course (133 lbs/cf) 4" thick	407	LF	\$ 5.00	=	\$ 2,035.00		\$ 2,035.00
Asphalt Pavement (3" thick)		Tons	\$ 29.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	14,882	CY	\$ 52.00	=	\$ 772,864.00		\$ 772,864.00
Asphalt Pavement (6" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 1" thick		SY	\$ 30.00	=	\$ -		\$ -
Raised Median, Paved		Tons	\$ 91.00	=	\$ -		\$ -
		SF	\$ 8.30	=	\$ -		\$ -

PROJECT INFORMATION			
Latigo Trails Fil 10	9/17/2021	SF-XX-XXX	
Project Name	Date	PCD File No.	

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Regulatory Sign/Advisory Sign	4	EA	\$ 311.00	=	\$ 1,244.00		\$ 1,244.00 *
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		EA	\$ 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	=	\$ -		\$ - *

See comment on sheet 6 of the GEC plan set.

update the advisory sign per redline comments to the signage and striping plans

Fix page break

PROJECT INFORMATION									
Latigo Trails Fil 10			9/17/2021			SF-XX-XXX			
Project Name			Date			PCD File No.			
Description			Units	Unit Cost		Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
Pedestrian Ramp			EA	\$ 1,190.00	=	\$ -		\$ -	*
Cross Pan, local (8" thick,			LF	\$ 63.00	=	\$ -		\$ -	*
Cross Pan, collector (9" thick)			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	=	\$ -		\$ -	*
[insert items not listed but part of construction plans]									
<b>STORM DRAIN IMPROVEMENTS</b>									
Concrete Box Culvert (M Standard), Size ( W x H )			LF		=	\$ -		\$ -	*
18" Reinforced Concrete Pipe			LF	\$ 67.00	=	\$ -		\$ -	*
24" Reinforced Concrete Pipe			LF	\$ 81.00	=	\$ -		\$ -	*
29" x 45" Horizontal Elliptical Reinforced Concrete Pipe		55	LF		=	\$ -		\$ -	*
30" Reinforced Concrete Pipe			LF	\$ 100.00	=	\$ -		\$ -	*
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)			EA	\$ 402.00	=	\$ -		\$ -	*
24" - Flared End Section (FES)			EA	\$ 486.00	=	\$ -		\$ -	*
19" x 30" - Flared End Section (FES)			EA	\$ 600.00	=	\$ -		\$ -	*
43" x 68" - Flared End Section (FES)			EA	\$ 1,500.00	=	\$ -		\$ -	*
60" - Flared End Section (FES)			EA	\$ 1,500.00	=	\$ -		\$ -	*
End Treatment- Headwall (29" x 45" HERCP)		2	EA		=	\$ -		\$ -	*
End Treatment- Wingwall			EA		=	\$ -		\$ -	*
End Treatment - Cutoff Wall			EA		=	\$ -		\$ -	*
Curb Inlet (Type R) L=5', Depth < 5'			EA	\$ 5,736.00	=	\$ -		\$ -	*
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	\$ 4,800.00	=	\$ -		\$ -	*
Grated Inlet (Type D), Depth < 5'			EA	\$ 5.9	=	\$ -		\$ -	*
Storm Sewer Manhole, Box Base			EA	\$ 12.0	=	\$ -		\$ -	*
Storm Sewer Manhole, Slab Base			EA	\$ 6.6	=	\$ -		\$ -	*
Geotextile (Erosion Control)			SY	\$	=	\$ -		\$ -	*
Rip Rap, d50 size from 6" to 24"			Tons	\$	=	\$ -		\$ -	*
Rip Rap, Grouted			Tons	\$ 98.00	=	\$ -		\$ -	*
Drainage Channel Construction, Size (Varies)		925	LF	\$ 15.00	=	\$ 13,875.00		\$ 13,875.00	*
Drainage Channel Lining, Concrete			CY	\$ 590.00	=	\$ -		\$ -	*
Drainage Channel Lining, Rip Rap		33	CY	\$ 116.00	=	\$ 3,828.00		\$ 3,828.00	*
Drainage Channel Lining, Grass			AC		=	\$ -		\$ -	*
Drainage Channel Lining, Other Stabilization					=	\$ -		\$ -	*
[insert items not listed but part of construction plans]									
						388,727.60		\$ 388,727.60	
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private Development EPC)**</b>									
<b>ROADWAY IMPROVEMENTS</b>									
					=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	
					=	\$ -		\$ -	

Update quantity. The plans show dual pipes.

provide unit cost

provide wingwall quantity. The plan view showed wing walls.

provide quantity for the riprap at the culvert

Assuming this is the channel leading into South Pond then this is not a public improvement. Move the quantity into Section 3.

PROJECT INFORMATION		
Latigo Trails Fil 10	9/17/2021	SF-XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<u>STORM DRAIN IMPROVEMENTS</u> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -

Fix page break

PROJECT INFORMATION			
Latigo Trails Fil 10	9/17/2021	SF-XX-XXX	
Project Name	Date	PCD File No.	

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	4,500	LF	\$ 66.00	=	\$ 297,000.00		\$ 297,000.00
Water Main Pipe (PVC), Size 12"		LF	\$ 100.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"	8	EA	\$ 1,923.00	=	\$ 15,384.00		\$ 15,384.00
Gate Valves, 12"		EA	\$ 2,900.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves	11	EA	\$ 6,828.00	=	\$ 75,108.00		\$ 75,108.00
Water Service Line Installation, inc. tap and valves	2	EA	\$ 1,370.00	=	\$ 2,740.00		\$ 2,740.00
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/lft)	39	EA	\$ 750.00	=	\$ 29,250.00		\$ 29,250.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
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]				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ 641,182.00		\$ 641,182.00
** - Section 3 is not subject to defect warranty requirements							
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						\$ 1,555,080.89	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,555,080.89	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 121,108.05	
(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

Update the Defect Warranty to include the pond estimates. Items with (\*)

ings associated with the Project.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Date

Date