

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

PROJECT INFORMATION		
FOREST LAKES FILING 6	1/26/2021	XX-XX-XXX
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	3,850	CY	\$ 6.00	= \$ 23,100.00		\$ 23,100.00
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.)	1	AC	\$ 800.00	= \$ 824.00		\$ 824.00
* Mulching		AC	\$ 750.00	= \$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	= \$ -		\$ -
* Permanent Pond/BMP Construction	6,180	CY	\$ 20.00	= \$ 123,600.00		\$ 123,600.00
* Permanent Pond/BMP (Spillway)	1	EA	\$ 12,500.00	= \$ 12,500.00		\$ 12,500.00
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 20,000.00	= \$ 20,000.00		\$ 20,000.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,370.00	= \$ -		\$ -
Silt Fence	707	LF	\$ 2.50	= \$ 1,767.50		\$ 1,767.50
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		= \$ -		\$ -
Inlet Protection	15	EA		= \$ 2,505.00		\$ 2,505.00
Sediment Basin		EA		= \$ -		\$ -
Concrete Washout Basin	1	EA		= \$ 900.00		\$ 900.00
[insert items not listed but part of construction plans]				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 1,810.38		\$ 1,810.38
Section 1 Subtotal				= \$ 187,006.88		\$ 187,006.88

Add sediment basin.
The revised plans added a new TSB at the south end of Mesa Top Dr S

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf) 8" thick	4,718	CY	\$ 50.00	= \$ 235,900.00		\$ 235,900.00
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	17,803	SY	\$ 19.00	= \$ 338,257.00		\$ 338,257.00
Asphalt Pavement (6" thick)		SY		= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons		= \$ -		\$ -
Raised Median, Paved	4,658	SF	\$ 7.88	= \$ 37,264.00		\$ 37,264.00
Regulatory Sign/Advisory Sign	18	EA	\$ 280.00	= \$ 5,400.00		\$ 5,400.00
Guide/Street Name Sign	2	EA	\$ 300.00	= \$ 600.00		\$ 600.00
Epoxy Pavement Marking		SF	\$ 13.00	= \$ -		\$ -
Thermoplastic Pavement Marking	70	SF	\$ 23.00	= \$ 1,610.00		\$ 1,610.00
Barricade - Type 3	2	EA	\$ 200.00	= \$ 400.00		\$ 400.00
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	4,335	LF	\$ 30.00	= \$ 130,050.00		\$ 130,050.00
Curb and Gutter, Type B (Median)	1,389	LF	\$ 30.00	= \$ 41,670.00		\$ 41,670.00
Curb and Gutter, Type C (Ramp)	5,177	LF	\$ 30.00	= \$ 155,310.00		\$ 155,310.00
4" Sidewalk (common areas only)	1,895	SY	\$ 48.00	= \$ 90,960.00		\$ 90,960.00
5" Sidewalk	3,389	SY	\$ 60.00	= \$ 203,340.00		\$ 203,340.00
6" Sidewalk		SY	\$ 72.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -
Pedestrian Ramp	11	EA	\$ 1,150.00	= \$ 12,650.00		\$ 12,650.00
Cross Pan, local (8" thick, 6' wide to include return)	72	LF	\$ 61.00	= \$ 4,392.00		\$ 4,392.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

Revise to 4. There are two street name plaques on each post

PROJECT INFORMATION

FOREST LAKES FILING 6 1/26/2021 XX-XX-XXX
Project Name Date PCD File No.

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$	-		\$ -
STORM DRAIN IMPROVEMENTS								
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -
18" Reinforced Concrete Pipe	175	LF	\$ 65.00	=	\$	11,375.00		\$ 11,375.00
24" Reinforced Concrete Pipe	502	LF	\$ 78.00	=	\$	39,156.00		\$ 39,156.00
30" Reinforced Concrete Pipe	618	LF	\$ 97.00	=	\$	59,946.00		\$ 59,946.00
36" Reinforced Concrete Pipe	620	LF	\$ 120.00	=	\$	74,400.00		\$ 74,400.00
42" Reinforced Concrete Pipe	455	LF	\$ 160.00	=	\$	72,800.00		\$ 72,800.00
48" Reinforced Concrete Pipe	559	LF	\$ 195.00	=	\$	109,005.00		\$ 109,005.00
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$	-		\$ -
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$	-		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$	-		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$	-		\$ -
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 = (unit cost = 6x pipe unit cost)		EA		=	\$	-		\$ -
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	\$ 5,542.00	=	\$	5,542.00		\$ 5,542.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA	\$ 7,188.00	=	\$	7,188.00		\$ 7,188.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,627.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	3	EA	\$ 7,861.00	=	\$	23,583.00		\$ 23,583.00
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$	-		\$ -
Curb Inlet (Type R) L=15', Depth < 5'	4	EA	\$ 9,918.00	=	\$	39,672.00		\$ 39,672.00
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	6	EA	\$ 10,633.00	=	\$	63,798.00		\$ 63,798.00
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$	-		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,570.00	=	\$	-		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	\$	-		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	\$	-		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$	-		\$ -
Storm Sewer Manhole, Box Base	10	EA	\$ 11,627.00	=	\$	116,270.00		\$ 116,270.00
Storm Sewer Manhole, Slab Base	3	EA	\$ 6,395.00	=	\$	19,185.00		\$ 19,185.00
Geotextile (Erosion Control)	471	SY	\$ 6.00	=	\$	2,826.00		\$ 2,826.00
Rip Rap, d50 size from 6" to 24"	1,139	Tons	\$ 80.00	=	\$	91,120.00		\$ 91,120.00
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				=	\$	-		\$ -
Storm Sewer Manhole, Type III	1	EA	\$ 4,500.00	=	\$	4,500.00		\$ 4,500.00
[insert items not listed but part of construction plans]				=	\$	-		\$ -
Section 2 Subtotal						= \$ 1,998,169.00		\$ 1,998,169.00

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

Add *

Add retaining wall cost and bridge cost per email correspondence from Kyle sent on 2/17/21. Add * to the right. These will be subject to defect warranty. Reminder: check to formulas for the subtotal in page 2 and totals in page 4 that additional items inserted are properly accounted for.

PROJECT INFORMATION

FOREST LAKES FILING 6	1/26/2021	XX-XX-XXX
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		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 3,306,844.88
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 3,306,844.88
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 435,638.60
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Provide quantities for As-built & Pond Certification Unresolved.

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 3,306,844.88
 (Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance \$ 435,638.60

(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 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)

 Approved by Owner / Applicant

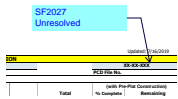
 Date

 Approved by El Paso County Engineer / ECM Administrator

 Date

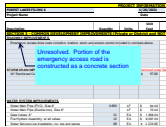
F AE V_2.pdf Markup Summary 2-23-2021

dsdlaforce (7)



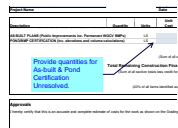
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Author: dsdlaforce
Date: 2/22/2021 2:09:45 PM
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SF2027
Unresolved



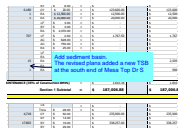
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Unresolved. Portion of the emergency access road is constructed as a concrete section



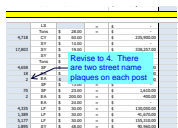
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Provide quantities for As-built & Pond Certification
Unresolved.



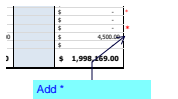
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Page Label: 1
Author: dsdlaforce
Date: 2/22/2021 2:15:06 PM
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Add sediment basin.
The revised plans added a new TSB at the south end of Mesa Top Dr S



Subject: Callout
Page Label: 1
Author: dsdlaforce
Date: 2/22/2021 2:17:54 PM
Status:
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Revise to 4. There are two street name plaques on each post



Subject: Callout
Page Label: 2
Author: dsdlaforce
Date: 2/23/2021 9:18:47 AM
Status:
Color: ■
Layer:
Space:

Add *

The image shows a small portion of a spreadsheet with several columns and rows. A red callout box is overlaid on the spreadsheet, containing text that is partially obscured but appears to be a warning or instruction. The spreadsheet data is mostly illegible due to the low resolution and the callout box.

Subject: Callout
Page Label: 2
Author: dsdlaforce
Date: 2/23/2021 9:20:58 AM
Status:
Color: ■
Layer:
Space:

Add retaining wall cost and bridge cost per email correspondence from Kyle sent on 2/17/21. Add * to the right. These will be subject to defect warranty.
Reminder: check to formulas for the subtotal in page 2 and totals in page 4 that additional items inserted are properly accounted for.