

include quantities for the highlighted items.

SF-21-049

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

Updated: 12/22/2020

PROJECT INFORMATION		
Project Name FOREST LAKES FILING 7	Date 11/22/21	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	14,800	CY	\$ 5.00	=	\$ 74,000.00		\$ 74,000.00
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.)	2,145	AC	\$ 828.00	=	\$ 1,776.06		\$ 1,776.06
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket	2,680	SY	\$ 6.00	=	\$ 16,080.00		\$ 16,080.00
* Permanent Pond/BMP Construction	5,350	CY	\$ 21.00	=	\$ 112,350.00		\$ 112,350.00
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket	9,615	SY	\$ 3.00	=	\$ 28,845.00		\$ 28,845.00
Vehicle Tracking Control	1	EA	\$ 2,453.00	=	\$ 2,453.00		\$ 2,453.00
Silt Fence	410	LF	\$ 2.60	=	\$ 1,066.00		\$ 1,066.00
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection	21	EA	\$ 173.00	=	\$ 3,633.00		\$ 3,633.00
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00
<i>(insert items not listed but part of construction plans)</i>				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ 12,925.15		\$ 12,925.15
MAINTENANCE (35% of Construction BMPs)							
Section 1 Subtotal					\$ 254,060.21		\$ 254,060.21

* - 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	3,825	Tons	\$ 29.00	=	\$ -		\$ -
Aggregate		CY	\$ 52.00	=	\$ 198,900.00		\$ 198,900.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	1,913	SY	\$ 20.00	=	\$ 38,260.00		\$ 38,260.00
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	12	EA	\$ 311.00	=	\$ 3,732.00		\$ 3,732.00
Guide/Street Name Sign	7	EA	\$ 300.00	=	\$ 2,100.00		\$ 2,100.00
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)	2,550	LF	\$ 31.00	=	\$ 79,050.00		\$ 79,050.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	6,650	LF	\$ 31.00	=	\$ 206,150.00		\$ 206,150.00
4" Sidewalk (common areas only)	1,417	SY	\$ 50.00	=	\$ 70,850.00		\$ 70,850.00
5" Sidewalk	3,695	SY	\$ 62.00	=	\$ 229,090.00		\$ 229,090.00
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	14	EA	\$ 1,190.00	=	\$ 16,660.00		\$ 16,660.00
Cross Pan, local (8" thick, 6' wide to include return)	148	LF	\$ 63.00	=	\$ 9,324.00		\$ 9,324.00
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		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Ar		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	=	\$ -		\$ -

Quantity seems low

Verify

Quantity seems low

PROJECT INFORMATION

Project Name **FOREST LAKES FILING 7**

Date **11/22/21**

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<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	318	LF	\$ 67.00	=	\$ 21,306.00		\$ 21,306.00
24" Reinforced Concrete Pipe	838	LF	\$ 81.00	=	\$ 67,878.00		\$ 67,878.00
30" Reinforced Concrete Pipe	413	LF	\$ 100.00	=	\$ 41,300.00		\$ 41,300.00
36" Reinforced Concrete Pipe	280	LF	\$ 124.00	=	\$ 34,720.00		\$ 34,720.00
42" Reinforced Concrete Pipe	122	LF	\$ 166.00	=	\$ 20,252.00		\$ 20,252.00
48" Reinforced Concrete Pipe	637	LF	\$ 202.00	=	\$ 128,674.00		\$ 128,674.00
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
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	\$ 5,736.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	3	EA	\$ 7,440.00	=	\$ 22,320.00		\$ 22,320.00
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'	5	EA	\$ 8,136.00	=	\$ 40,680.00		\$ 40,680.00
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'	8	EA	\$ 11,005.00	=	\$ 88,040.00		\$ 88,040.00
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	10	EA	\$ 12,034.00	=	\$ 120,340.00		\$ 120,340.00
Storm Sewer Manhole, Slab Base	6	EA	\$ 6,619.00	=	\$ 39,714.00		\$ 39,714.00
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 1,479,340.00	\$ 1,479,340.00

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

PROJECT INFORMATION

Project Name **FOREST LAKES FILING 7**

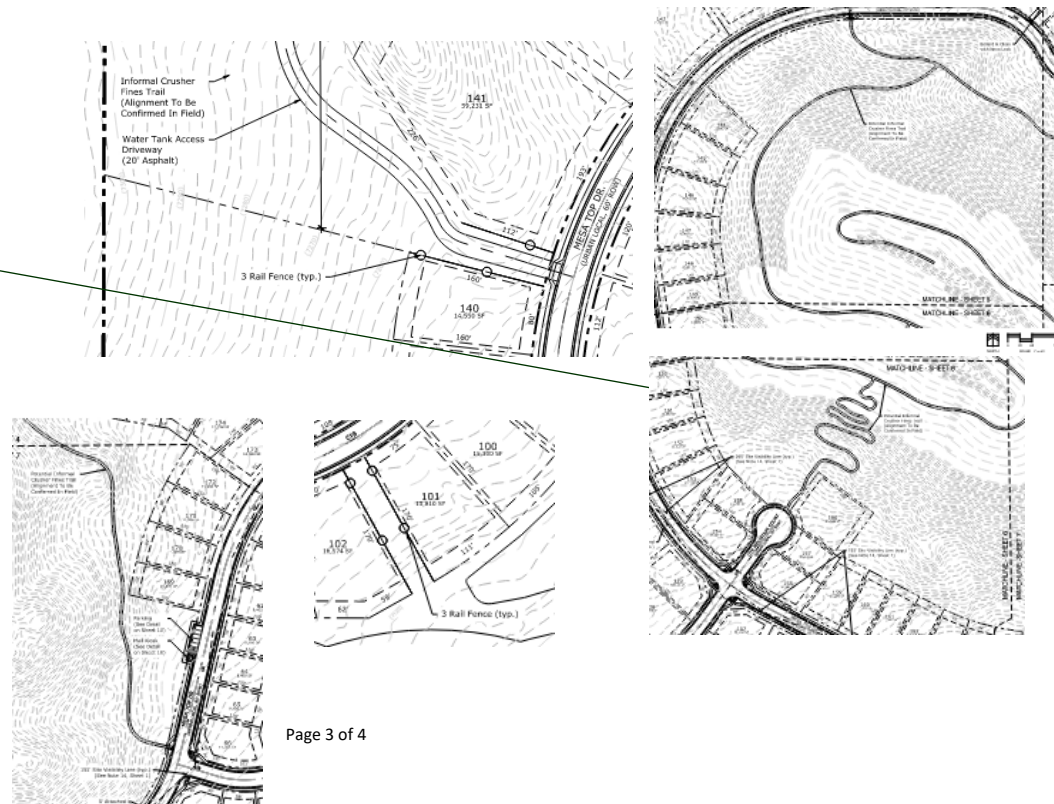
Date **11/22/21**

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						
Geotextile (Erosion Control under rip rap)	2,683	SY	\$ 6.20	= \$ 16,634.60		\$ 16,634.60
Rip Rap, d50 size from 6" to 24"	2,684	Tons	\$ 83.00	= \$ 222,772.00		\$ 222,772.00
Storm Sewer Manhole, Box Base	11	EA	\$ 12,034.00	= \$ 132,374.00		\$ 132,374.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 6,619.00	= \$ 6,619.00		\$ 6,619.00
CDOT Type C Inlets	2	EA	\$ 4,802.00	= \$ 9,604.00		\$ 9,604.00
CDOT Type D Inlets	3	EA	\$ 5,932.00	= \$ 17,796.00		\$ 17,796.00
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
24" Reinforced Concrete Pipe	45	LF	\$ 81.00	= \$ 3,645.00		\$ 3,645.00
30" Reinforced Concrete Pipe	510	LF	\$ 100.00	= \$ 51,000.00		\$ 51,000.00
36" Reinforced Concrete Pipe	311	LF	\$ 124.00	= \$ 38,564.00		\$ 38,564.00
42" Reinforced Concrete Pipe	742	LF	\$ 166.00	= \$ 123,172.00		\$ 123,172.00
48" Reinforced Concrete Pipe	766	LF	\$ 202.00	= \$ 154,732.00		\$ 154,732.00
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	4,575	LF	\$ 66.00	= \$ 301,950.00		\$ 301,950.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$ -		\$ -
Gate Valves, 8"	24	EA	\$ 1,923.00	= \$ 46,152.00		\$ 46,152.00
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	79	EA	\$ 1,370.00	= \$ 108,230.00		\$ 108,230.00
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"	4,289	LF	\$ 66.00	= \$ 283,074.00		\$ 283,074.00
Sanitary Sewer Manhole, Depth < 15 feet	15	EA	\$ 4,540.00	= \$ 68,100.00		\$ 68,100.00
Sanitary Service Line Installation, complete	79	EA	\$ 1,451.00	= \$ 114,629.00		\$ 114,629.00
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		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
Section 3 Subtotal				= \$ 1,774,155.60		\$ 1,774,155.60

** - Section 3 is not subject to defect warranty requirements

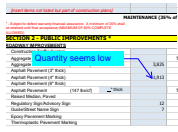
Please crosscheck recorded PUD, and add the cost for the trails, & fence materials... (Please note some of the trails are not feasible due to the rattlesnake nesting-



Financial Assurance Forms_V1 Redlines.pdf Markup Summary

1-6-2022

CDurham (3)



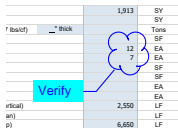
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Quantity seems low



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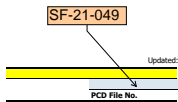
Quantity seems low



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Verify

dotprete (5)



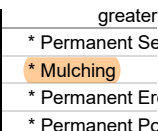
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SF-21-049



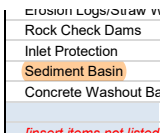
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Permanent Pond/BMP (provide engineer's estimate)



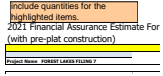
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* Mulching



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Sediment Basin



Subject: Engineer
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include quantities for the highlighted items.

dsdparsons (7)



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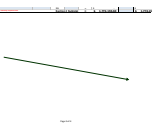
Please crosscheck recorded PUD, and add the cost for the trails, & fence materials... (Please note some of the trails are not feasible due to the rattlesnake nesting-



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