

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

Updated: 12/22/2020

PROJECT INFORMATION			
Project Name <b>FOREST LAKES FILING 7</b>	Date <b>11/22/21</b>	PCD File No. <b>SF-21-049</b>	

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	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	2,145	AC	\$ 777.00	= \$ 1,666.67		\$ 1,666.67
* Permanent Erosion Control Blanket	2,680	SY	\$ 6.00	= \$ 16,080.00		\$ 16,080.00
* Permanent Pond/BMP Construction		CY	\$ 21.00	= \$ -		\$ -
* Permanent Pond/BMP (Impact/Outlet structures = \$105k, spillway = \$35k)	1	EA	\$140,000.00	= \$ 140,000.00		\$ 140,000.00
Concrete Trickle Channel	165	LF	\$ 80.00	= \$ 13,200.00		\$ 13,200.00
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
[insert items not listed but part of construction plans]				= \$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ 12,925.15	\$ 12,925.15
<b>Section 1 Subtotal</b>				=	<b>\$ 296,576.88</b>	<b>\$ 296,576.88</b>

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## SECTION 2 - PUBLIC IMPROVEMENTS \*

ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf) 8" thick	3,825	CY	\$ 52.00	= \$ 198,900.00		\$ 198,900.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	= \$ -		\$ -
Asphalt Pavement (4" thick)	17,040	SY	\$ 20.00	= \$ 340,800.00		\$ 340,800.00
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	15	EA	\$ 311.00	= \$ 4,665.00		\$ 4,665.00
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 (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	= \$ -		\$ -

**PROJECT INFORMATION**

**Project Name** FOREST LAKES FILING 7

**Date** 11/22/21

**PCD File No.** SF-21-049

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

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**PCD File No.** SF-21-049

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>								
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'	10	EA	\$ 11,005.00	=	\$	110,050.00		\$ 110,050.00
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>				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
<b>Section 2 Subtotal</b>				=	\$	<b>1,804,823.00</b>		<b>\$ 1,804,823.00</b>

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PCD File No. **SF-21-049**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
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
<b>STORM DRAIN IMPROVEMENTS</b> (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
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
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>				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
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>				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
Split Rail Fencing	25	LF	\$ 500.00	=	\$ 12,500.00		\$ 12,500.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				<b>Section 3 Subtotal</b>	<b>= \$ 1,786,655.60</b>		<b>\$ 1,786,655.60</b>

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

