2019 Financial Assurance Estimate Form

(with pre-plat construction)

Forest Lakes Phase II Water Tank Project Name	5/12/2020 Date	PCD File No.
	PROJECT INFORMATION	
(with pre-plat construction)		Updated: 7/16/2019

occription	Quantity	Units	Unit			Total	(with Pre % Complete		emaining
escription					1	TOLAI	% Complete	R	emaining
ECTION 1 - GRADING AND EROSION CONTR	OL (Construction	and Perm	nament BMPs)			The state of the s	THE P. LEWIS CO., LANSING, MICH.		The State of the S
* Earthwork		01/	0.00				description to the second	-	
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		CY	\$ 3.50	=	\$	-		\$	-
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$			\$	-
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	s			s	
* Permanent Seeding (inc. noxious weed mgmnt.)	0.06	AC	\$ 800.00	=	5	51.44		5	51.4
the state of the s	0.00	AC	\$ 750.00	=	S	51.11		S	51.1
* Mulching	-								1 000 0
* Permanent Erosion Control Blanket	311	SY	\$ 6.00	=	S	1,866.00		S	1,866.0
* Permanent Pond/BMP Construction		CY	5 20.00	=	S			\$, -
* Permanent Pond/BMP (Spillway)		EA		=	S	·		Ş	-
* Permanent Pond/BMP (Outlet Structure)		EA		=	S	-		\$	-
Safety Fence		LF	\$ 3.00	=	S	-		S	-
Temporary Erosion Control Blanket		SY	\$ 3.00	=	S	-		S	-
Vehicle Tracking Control		EA.	\$ 2,370.00	=	S	-		S	
		LF						S	
Silt Fence				=	5				
Temporary Seeding		AC	\$ 628.00	=	\$			S	
Temporary Mulch		AC	\$ 750.00	=	\$	-		\$	-
Erosion Bales		EA	\$ 25.00	=	S	-		5	-
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	S	-		S	-
Rock Check Dams		EA	\$ 500.00	=	S	-		S	
Inlet Protection		EA	\$ 167.00	=	S	-		S	-
Sediment Basin		EA	\$ 1,762.00	_	S	-		S	-
Concrete Washout Basin		EA	\$ 900.00		S	<u>_</u>		S	
				=	S			S	
[insert items not listed but part of construction plans]				=	S			S	-
MAI	NTENANCE (35%	of Constr	ruction BMPs)	=	\$	-		S	-
all be retained until final acceptance (MAXIMUM OF 80% COMPLETE		Section	on 1 Subtotal	=	\$	1,917.44		\$	1,917.44
Subject to defect warranty financial assurance. A minimum of 20% all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS *		Section	on 1 Subtotal	=	\$	1,917.44		3	1,917.42
all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED)			on 1 Subtotal	=		1,917.44			1,917.44
all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS *		Section	on 1 Subtotal	=	\$	1,917.44		\$	1,917.44
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all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS CONSTRUCTION TARRIFIC CONTROI Aggregate Base Course (135 lbs/cf) Asgregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 3 (W-Beam)		LS Tons CY SY SY Tons SF EA EA LF LF LF SY SY SY SY LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 92.00 \$ 1,480.00 \$ 92.00 \$ 1,480.00 \$ 49.00		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			s s s s s s s s s s s s s s s s s s s	
all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS CONSTRUCTION Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 7 (Concrete)		LS Tons CY SY SY Tons SF EA EA LF LF LF SY SY SY SY LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 11.50.00 \$ 60.00 \$ 72.00 \$ 96.00 \$ 11,480.00 \$ 49.00 \$ 49.00 \$ 72.00					5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
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all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8" wide to include return) Curb Chase Guardrail Type 7 (Concrete) Guardrail Impact Attenuator		LS Tons CY SY SY Tons SF EA EA EA LF LF LF SY SY SY LF LF EA LF EA LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 1,150.00 \$ 61.00 \$ 92.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 20.00 \$ 1,480.00 \$ 72.00 \$ 30.00 \$ 72.00 \$ 30.00 \$ 3		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			s s s s s s s s s s s s s s s s s s s	
all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS CONSTRUCTION Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete)		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 88.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 61.00 \$ 92.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 3,767.00 \$ 78.00		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
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all be retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Impact Attenuator Sound Barrier Fence (CMU block, 6' high)		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 88.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 61.00 \$ 92.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 3,767.00 \$ 78.00		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

	PROJECT INFORMATION	
Forest Lakes Phase II Water Tank	5/12/2020	PPR201
Project Name	Date	PCD File No.

escription	Quantity	Units	Unit Cost		To	otal	(with Pre		struction) emaining
				=	\$	-		\$	
[insert items not listed but part of construction plans]				=	\$			\$	
TORM DRAIN IMPROVEMENTS			Y					-	
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$	
18" Reinforced Concrete Pipe		LF	\$ 65.00	=	\$			\$	
24" Reinforced Concrete Pipe		LF	\$ 78.00	=	\$			\$	
30" Reinforced Concrete Pipe		LF	\$ 97.00	=	\$			\$	
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$	0.53		\$	
42" Reinforced Concrete Pipe		LF	\$ 160.00	=	\$	1170		\$	
48" Reinforced Concrete Pipe		LF	\$ 195.00	=	\$	-		\$	
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	=	S	-		\$	
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$	-		\$	
30" Corrugated Steel Pipe		LF	\$ 122.00	=	s			\$	
36" Corrugated Steel Pipe		LF	\$ 147.00	=	S			\$	
42" Corrugated Steel Pipe		LF	\$ 168.00	=	s	-		S	
48" Corrugated Steel Pipe		LF	\$ 178.00	=	S	-		\$	
54" Corrugated Steel Pipe		LF	\$ 260.00	=	S	-		\$	
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$	-		\$	
66" Corrugated Steel Pipe		LF	\$ 340.00	=	S	1,5		S	
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$	-		S	
78" Corrugated Steel Pipe		LF	\$ 460.00	=	s	-		S	
84" Corrugated Steel Pipe		LF	\$ 550.00	=	s	-		S	
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)		EA		=	S	*		s	
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	S	1-1		S	
End Treatment- Headwall		EA		=	S	-		S	
End Treatment- Wingwall		EA		=	S	-		S	
End Treatment - Cutoff Wall		EA		=	s	-		S	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5.542.00	=	S	-		S	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7.188.00	=	s	-		S	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8.345.00	=	S			5	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627.00	=	S			S	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7.861.00	=	S			S	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	s	-		S	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9.918.00	=	S	-		5	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	=	S			s	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	S			S	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00	-	S			S	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	S			S	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	S			S	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5.731.00	=	S	-		S	
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	=	S	-		S	
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	=	S	-		S	
Geotextile (Erosion Control)		SY	\$ 6.00		S	N=1		S	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00	=	S		1	\$	
Rip Rap, Grouted		Tons	\$ 95.00	-	S	-		\$	
Drainage Channel Construction, Size (W x H)		LF	ψ 95.00		\$	<u>-</u>		\$	
Drainage Channel Lining, Concrete		CY	\$ 570.00		\$	· · · · · · · · · · · · · · · · · · ·		\$	
Drainage Channel Lining, Concrete Drainage Channel Lining, Rip Rap		CY	\$ 112.00		\$	<u>:</u>		S	
						-		\$	
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$				
Drainage Channel Lining, Other Stabilization				=	S			\$	
[insert items not listed but part of construction plans]				=	\$	-	(Appendix and a party of the pa	\$	
			N STATE OF THE STA	=	\$	-	The state of the s	S	

	PROJECT INFORMATION	
Forest Lakes Phase II Water Tank	5/12/2020	PPR201
Project Name	Date	PCD File No.

	1.7			Unit			(with Pre-Plat Construction)		
Description	Quantity	Units		Cost		Total	% Complete		Remaining
SECTION 3 - COMMON DEVELOPMENT IMPRO	VEMENTS (Pr	ivate or D	istr	ict and N	OT Mair	tained by EPC)**			
ROADWAY IMPROVEMENTS									
					=	\$ -		\$	-
					=	\$ -		\$	-
					=	\$ -	Real Harden	\$	
						\$ -		\$	-
					=	\$ -		\$	-
					=	\$ -		\$	
STORM DRAIN IMPROVEMENTS (Exception	on: Permanent Por	nd/BMP shall	be ite	emized under	r Section *	1)			
					=	\$ -		s	
					=	ş -		s	-
					=	ş -		s	-
					=	s -		\$	-
					=	\$ -		s	-
					=	s -		s	-
WATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC), Size 8"		LF	\$	64.00	=	s -		S	-
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75.00	=	s -		s	-
Gate Valves, 8"		EA	\$	1,858.00	=	s -		S	-
Fire Hydrant Assembly, w/ all valves		EA	\$	6,597.00	=	s -		s	-
Water Service Line Installation, inc. tap and valves		EA	S	1,324.00	=	s -		S	
Fire Cistern Installation, complete		EA	1833		=	s -		S	-
					=	s -		5	-
[insert items not listed but part of construction plans]					=	s -		s	-
SANITARY SEWER IMPROVEMENTS									
Sewer Main Pipe (PVC), Size 8"		LF	\$	64.00	=	s -		S	-
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	4,386.00	=	s -		S	-
Sanitary Service Line Installation, complete		EA	S	1,402.00	=	s -		S	-
Sanitary Sewer Lift Station, complete		EA			=	s -		S	¥
					=	s -		S	-
[insert items not listed but part of construction plans]					=	s -		S	-
LANDSCAPING IMPROVEMENTS	For subdivision spe	ecific condition	on of a	approval, or F	PUD)				
8' County Tier 1 Trail (*with aggregate base course)	880	LF	\$	18.00	=	s 15,840.0	0	S	15,840.00
4' Informal Crusher Fines Trail (no aggregate base course)	750	LF	\$	8.00	=	s 6,000.0	and the second control of the second control	s	6,000.00
Evergreen Trees	5	EA	\$	100.00	=	s 500.0	0	s	500.00
		EA			=	s -		s	-
		EA			=	s -		s	-
** - Section 3 is not subject to defect warranty requirements		Section	on 3	Subtotal	=	\$ 22,340.00		\$	22,340.00

	PROJECT INFORMATION	
Forest Lakes Phase II Water Tank	5/12/2020	PPR201
Project Name	Date	PCD File No.

			Unit				(with Pre-Plat Construction		
Description	Quantity	Units	Cost			Total	% Complete		Remaining
AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV	/ BMPs)	LS		=	s			s	
POND/BMP CERTIFICATION (inc. elevations and volume calculations)	ations)	LS		=	s			\$	
NOO LICE ON				Total	Constru	ction Financia	l Assurance	\$	24,257.44
E ON SEN			(Sum of all se	ction subto	als plus as	-builts and pond/BI	MP certification)	,	
Tot	tal Remaini	ng Constru	ction Finan	cial Assu	ırance (v	with Pre-Plat Co	onstruction)	\$	24,257.44
8 2 2 2 2 2 3	(Sum of all	section totals	less credit for it	tems compl	ete plus as	-builts and pond/Bh	MP certification)		
W 0051810 X				Total De	fect War	ranty Financial	l Assurance	\$	383.49
8 0 115/20 58	(2	20% of all item	s identified as (*). To be co	llateralized	at time of prelimina	ary acceptance)		

Approvals

hereby certify that this is a construction Drawings associated with the Project.

Eggineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

5-13-2020

Date

Approved

By: Elizabeth Nijkamp

Date:08/11/2020

El Paso County Planning & Community Development