## 2019 Financial Assurance Estimate Form

(with pre-plat construction)

Updated: 4/18/2019

TAMLIN ROAD RV & BOAT STORAGE			8/18/2020			PPR-19-045				
Project Name:			Date		PCD File No.					
			Unit		Ţ			lat Construction)		
Description	Quantity	Units	Cost		- 1	Total	% Complete	Remaining		
SECTION 1 - GRADING AND EROSION CONT	ROL (Construction	and Perr	nanent BMPs)							
* Earthwork										
less than 1,000; \$5,300 min	THE PROPERTY.	CY	\$ 8.00	BE .	\$	•	\$	•		
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$	•	\$	-		
5,001-20,000; \$30,000 min		CY	\$ 5.00	88	\$	- 0	\$	•		
20,001-50,000; \$100,000 min	40,022	CY	\$ 3.50	92	\$	140,077.00	\$	140,077.0		
50,001-200,000; \$175,000 min	TO THE RESERVE	CY	\$ 2.50	=	\$	•	\$	-		
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$		\$	-		
* Permanent Seeding (inc. noxious weed mgmnt.)	8	AC	\$ 800.00	=	\$	6,088.00	\$	6,088.0		
* Mulching	8	AC	\$ 750.00		\$	6,000.00	\$	6,000.0		
* Permanent Erosion Control Blanket	1,018	SY	\$ 6.00	-	\$	6,108.00	\$	6,108.0		
* Permanent Pond/BMP Construction	0	CY	\$ 20.00	=	\$	-	\$			
* Permanent Pond/BMP (Spillway)	1	EA	\$ 7,500.00		\$	7,500.00	\$	7,500.0		
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 15,000.00	-	\$	15,000.00	\$	15,000.0		
Safety Fence		LF	\$ 3.00		\$	•	\$	•		
Temporary Erosion Control Blanket		SY	\$ 3.00	-	5	•	5	-		
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$	2,370.00	s	2,370.0		
Silt Fence	900	LF	\$ 2.50		\$	2,250.00	S	2,250.0		
Temporary Seeding	4	AC	\$ 628.00	-	\$	2,260.80	s	2,260.8		
Temporary Mulch	4	AC	\$ 750.00		S	2,700.00	\$	2,700.0		
Erosion Bales	and the state of t	EA	\$ 25.00	=	\$		\$	2,700.0		
Erosion Logs/Straw Waddle	12 200	LF	\$ 5.00		\$		\$			
Rock Check Dams		EA	\$ 500.00		\$		\$			
Inlet Protection	1	EA	\$ 167.00		\$	167.00	s	167.0		
Sediment Basin	i	EA	\$ 1,762.00	-	Š	1,762.00	s	1,762.0		
Conrete Washout Area	100000000000000000000000000000000000000	EA	\$ 900.00	=	\$	2,7 02.00	\$	2,702.0		
	A STATE OF THE PARTY OF THE PAR		A CONTRACTOR OF THE PARTY OF TH		\$		\$	***************************************		
[insert items not listed but part of construction plans]	-				\$		5			
	AINTENANCE (35%	of Constr	uction RMPs)	-	\$	4,028.43	5	4,028.4		
- Subject to defect warranty financial assurance. A minimum of 20% shall	•	OI COIISE	accon being	_	-	7,020.75		7,020.7		
e retained until final acceptance (MAXIMUM OF 80% COMPLETE	•	Section	on 1 Subtotal	=	\$	196,311.23	\$	192,282.80		
(LOWED)						11 11 11111	1 100	ee 00 6 6		
SECTION 2 - PUBLIC IMPROVEMENTS *				200	MAN ELS					
ROADWAY IMPROVEMENTS					7					
Construction Traffic Control		LS	Commission of the		\$		\$			
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	-	\$		\$			
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00		\$		\$			
Asphalt Pavement (3" thick)		SY	\$ 14.00		\$		\$			
Asphalt Pavement (4" thick)	EX CALL	SY	\$ 19.00		\$	-	\$			
Asphalt Pavement (6" thick)		SY	\$ 29.00		\$		\$			
Asphalt Pavement (147 lbs/cf) _ thick		Tons	\$ 88.00	-	\$		\$			
Raised Median, Paved	Arrest Early	SF	\$ 8.00	-	\$		\$			
Regulatory Sign/Advisory Sign	TO SHELL IN STREET	EA	\$ 300.00		\$		\$			
Guide/Street Name Sign		EA			\$		\$			
Epoxy Pavement Marking		SF	\$ 13.00	-	\$		\$			
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$		5.			
Barricade - Type 3		EA	\$ 200.00		\$		\$			
Delineator • Type I		EA	\$ 24.00	-	\$		\$	-		
Curb and Gutter, Type A (6" Vertical)	Transferred Lands	LF	\$ 30.00	-	\$	24	5			

PROJECT INFORMATION

Aggregate Base Course (135 lbs/cf)	Tons	\$ 28.00	-	\$		\$	
Aggregate Base Course (135 lbs/cf)	CY	\$ 50.00		s		s	
Asphalt Pavement (3" thick)	SY	\$ 14.00		\$		\$	
Asphalt Pavement (4" thick)	SY	\$ 19.00		\$		s	
Asphalt Pavement (6" thick)	SY	\$ 29.00		\$	-	s	
Asphalt Pavement (147 lbs/cf) _ * thick	Tons	\$ 88.00	-	5		5	
Raised Median, Paved	SF	\$ 8.00	-	\$		Š	100
Regulatory Sign/Advisory Sign	EA	\$ 300.00		\$	· Daniel	\$	
Guide/Street Name Sign	EA		-	\$		5	-
Epoxy Pavement Marking	SF	\$ 13.00	-			İs	-
Thermoplastic Pavement Marking	SF	\$ 23.00	-	\$	- 13355	5	
Barricade - Type 3	EA	\$ 200.00			. IEVELIII	\$	21 - 1
Oelineator • Type !	EA	\$ 24.00	-	\$	-	\$	72
Curb and Gutter, Type A (6" Vertical)	LF	\$ 30.00	-	\$	•	5	a- 1
Curb and Gutter, Type B (Median)	LF	\$ 30.00	-		-	s	
Curb and Gutter, Type C (Ramp)	LF .	\$ 30.00				S	
4° Sidewalk (common areas only)	SY	\$ 48.00		5		s	12
5° Sidewalk	SY	\$ 60.00	-	\$	-	\$	7.6
6" Sidewalk	SY	\$ 72.00		\$		s	-
8° Sidewalk	SY	\$ 96.00			-	Š	
Pedestrian Ramp	EA	\$ 1,150.00			- 1075000	5	32 5
Cross Pan, local (8" thick, 6" wide to include return)	LF	\$ 61.00	•	\$	- Hanney	s	1.4
Cross Pan, collector (9" thick, 8" wide to include return)	LF	\$ 92.00			· Marie Marie	S	-
Curb Chase	EA	\$ 1,480.00	-	\$	-	s	- 1
Guardrail Type 3 (W-Beam)	LF	\$ 49.00	-	\$		S	- 1
Guardrail Type 7 (Concrete)	LF	\$ 72.00			-	\$	- 1
Guardrail End Anchorage	EA	\$ 2,098.00	-			\$	3- 1
Guardrall Impact Attenuator	EA	\$ 3,767.00	=	\$	-	Ś	
Sound Barrier Fence (CMU block, 6' high)	LF	\$ 78.00			-	\$	
Sound Barrier Fence (panels, 6' high)	LF	\$ 80.00	=	s		S	-
Electrical Conduit, Size =	LF	\$ 16.00	_	\$	·	\$	-
Traffic Signal, complete Intersection	EA	\$ 425,000		Ś		s	
			-	\$	· Daniel Colo	\$	

Contract the state of the state	PROJECT INFORMATION	
TAMLIN ROAD RV & BOAT STORAGE	8/18/2020	PPR-19-045
Project Name:	Date	PCD File No.

			Unit				Plat Construction)
Description	Quantity	Units	Cost		Total	% Complete	Remaining
[insert items not listed but part of construction	olans)				\$		·
TORM DRAIN IMPROVEMENTS		-	1 0000				
Concrete Box Culvert (M Standard), Size ( W	x H )	LF	THE PERSON NAMED IN	-		restate to the second s	
18* Reinforced Concrete Pipe	were source on the series of	LF	\$ 65.00	=			
24" Reinforced Concrete Pipe		LF	\$ 78.00	-	\$		<b>*</b>
30" Reinforced Concrete Pipe		LF	\$ 97.00	-	\$ -		\$
36" Reinforced Concrete Pipe		LF	\$ 120.00	-	\$	THE RESERVE OF THE PARTY OF THE	\$
42" Reinforced Concrete Pipe		LF	\$ 160.00	-	\$ -		§
48" Reinforced Concrete Pipe		LF	\$ 195.00		3 (4		\$
54" Reinforced Concrete Pipe		LF	\$ 245.00	-	\$	Annual Philipping and the Control of	
60" Reinforced Concrete Pipe		LF	\$ 288.00		\$		
66" Reinforced Concrete Pipe		LF	\$ 332.00	-	3		9
72" Reinforced Concrete Pipe		LF	\$ 380.00		\$ +		\$
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ .		0
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	-	\$ .		9
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	-	\$		8
72" Corrugated Steel Pipe		LF	\$ 400.00		\$		
78" Corrugated Steel Pipe	" 355	LF	\$ 460.00		\$		
84" Corrugated Steel Pipe		LF	\$ 550.00	-	5 .		
Flared End Section (FES) RCP Size =	18			-		- Table 1	
(unit cost = 6x pipe unit cost)		EA	\$ 1,200.00		\$ -		
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)	ON THE RESIDENCE	EA	N. C. S. S. S. S.	-	-	100000000000000000000000000000000000000	3
		EA	-		The same to	m-a	
End Treatment- Headwall			-		7	THE RESIDENCE AND ADDRESS OF	
End Treatment- Wingwall		EA	-	··			
End Treatment - Cutoff Wall		EA	A F F 40 00		\$		
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00				
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10	Manager and a second se	EA	\$ 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		EA	\$ 7,861.00	-	\$		and the same of th
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15		EA	\$ 9,841.00	2			
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9,918.00	-	\$		
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10		EA	\$ 10,633.00		\$		
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	terdida - terd protesta subsubriar	EA	\$ 11,627.00			Semelien	
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	-	\$ -		
Geolextile (Erosion Control)		SY	\$ 6.00	-	\$ -		
Rlp Rap, d50 size from 6" to 24"		Tons	\$ 80.00		\$ -	1	
Rip Rap, Grouted		Tons	\$ 95.00	-	-	August 1	
Drainage Channel Construction, Size ( W x	H )	LF		я	\$ -		
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				=	\$ -		

	PROJECT INFORMATION	
TAMLIN ROAD RV & BOAT STORAGE	8/18/2020	PPR-19-045
Project Name:	Date	PCD File No.

			1	Unit				(with Pre	-Plat Co	nstruction)
Description	Quantity	Units		Cost		-	Total	% Complete	I	temaining
			1120	ACTUAL TO	#	\$		2817-11-73	\$	
[insert items not listed but part of construction plans]					. =	\$	•		\$	-
<ul> <li>Subject to defect warranty financial assurance. A minimum of 20% shape retained until final acceptance (MAXIMUM OF 80% COMPLETE</li> </ul>	all	Cont.	7	Subtotal	_				_	
ALLOWED)					=	\$	-		\$	-
SECTION 3 - COMMON DEVELOPMENT IMPR	ROVEMENTS (Pri	vate or l	Distri	ict and NO	OT Mai	ntained	by EPC)**			
ROADWAY IMPROVEMENTS			11000			6.6				
			Wile-	Name of	=	\$			\$	ACTION OF
					22	\$			\$	-
					-	\$	-		\$	•
					=	\$			\$	
			-	VO BY		\$	BEEF STEEL ST	THE REAL PROPERTY.	\$	
				CONTRACTOR OF THE PARTY OF	-	\$			\$	
	otion Permanent Pond		Alternation	of the control of the same of	Section	in the latest section in			1900	
18° Reinforced Concrete Pipe Flared End Section (FES) RCP Size = 18	52	LF	\$	65.00	=	\$	3,380.00		\$	3,380.00
Flared End Section (FES) RCP Size = 18 (unit cost = 8x pipe unit cost)	1	EA	\$	1,200.00	-	\$	1,200.00	Samuella	\$	1,200.00
Rip Rap, d50 size from 6° to 24"	190	Tons	\$	80.00	=	\$	15,200.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$	15,200.00
			100		-	\$	-		\$	
					=	\$			\$	
						\$	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO	The second	\$	
NATER SYSTEM IMPROVEMENTS										
Water Main Pipe (PVC), Size 8"		LF	\$	64.00	==	\$	CONTRACTOR - OF	The same	\$	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75.00		\$			\$	
Gate Valves, B"		EA		1,858.00	-	\$	THE PERSON NAMED IN		\$	•
Fire Hydrant Assembly, w/ all valves	THE RESERVE AND ADDRESS OF THE PARTY OF THE	EA	the Real Property lies	6,597.00	=	\$	STREET, PRINTED BOOK SAN	Section of the second	\$	
Water Service Line Installation, Inc. tap and valves		EA	\$	1,324.00		\$			\$	•
Fire Cistern Installation, complete	N. M	EA	100	Martines in the second	-	\$			\$	
Second the contributed but and of contribute at the						\$			\$	
[insert items not listed but part of construction plans]			1		-	\$		1200	\$	
Sewer Main Pipe (PVC), Size 8"				04.00		-			LING!	
Sanitary Sewer Manhole, Depth < 15 feet		LF EA	\$	64.00 4,386.00	п	\$		100	\$	
Sanitary Service Line Installation, complete		EA		The state of the last of the l	-	\$		ATTOM TO	\$	
Sanitary Sewer Lift Station, complete		EA	-	1,402.00		\$		Company of		
Salitary Server Dit Station, Complete		EA				\$	11.0	25/200	\$	
[insert items not listed but part of construction plans]	+				-	\$			\$	
	(For subdivision spec	ific conditio	n of a	poroval or P		-		Name have a serious	7	
	, a. oussimour spec	EA	7	pproton of f	00)	\$	-		\$	
	The same of	EA	1		_	\$		The second	\$	

	PROJECT INFORMATION	
TAMLIN ROAD RV & BOAT STORAGE	8/18/2020	PPR-19-045
Project Name:	Date	PCD File No.

			Unit				•	(with Pre-Plat Construction)			
Description	Quantity	Units		Cost			Total	% Complete		Remaining	
n a harvinger a north reservation		EA	of a	100		i\$		-	\$	Versen of the said	
		EA			-	\$	•		\$		
		EA			- 10	\$		100	\$		
** - Section 3 is not subject to defect warranty requirements		Section	on 3	Subtotal	=	\$	19,780.00		\$	19,780.00	
AS-BUILT PLANS (Public Improvements inc. Pe	rmanent WQCV BMPs)	LS	\$	5,000.00	=	\$	5,000.00		\$	5,000.00	
POND/BMP CERTIFICATION (inc. elevations an	d volume calculations)	LS	5	1,000.00	=	\$	1,000.00		\$	1,000.00	

Total Construction Financial Assurance \$

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \_ \$

218,062,80

(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance

36,154.60

(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.

(P.E. Seal Required)

Approved by Owner / Applicant

## **APPROVED**

**Engineering Department** 

09/09/2<mark>02</mark>0 4:55:30 PM dsdnijkamp

EPC Planning & Community Development Department