Schedule 2: Sewage System Installer Information

A. Project Information							
Building number, street name			Unit number	Lot/con.			
Municipality	Postal code	Plan number/ other descr	ription				
B. Sewage system installer							
	agod in the busin	oss of constructing on site i	netalling ropairing e	onvicing, clooning or			
Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1, Division C?							
 Yes (Continue to Section C) No (Continue to Section E) Installer unknown at time of application (Continue to Section E) 							
C. Registered installer information (where answer to B is "Yes")							
Name		BCIN					
Street address		Unit number	Lot/con.				
Municipality	Postal code	Province	E-mail	I			
Telephone number	Fax		Cell number				
D. Qualified supervisor information		war to cootion D is "Vest					
•	on (where answ		•				
Name of qualified supervisor(s)		Building Code Identification Number (BCIN)					
E. Declaration of Applicant:							
1				declare that:			
(print name)	(print name)						
I am the applicant for the permit to construct the sewage system. If the installer is unknown at time of application, I shall submit a new Schedule 2 prior to construction when the installer is known;							
<u>OR</u>							
 I am the holder of the permit to construct the sewage system, and am submitting a new Schedule 2, now that the installer is known. 							
I certify that:							
1. The information contained in thi	s schedule is true	to the best of my knowledge	Э.				
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.							
Date Signature of applicant							

Schedule 3A: Sewage System Specifications

A. Proposed Sewage Sy	stem	🛛 Resi	dentia	I				Comr	nercial		
New Installation Re			lacem	ient 🗆 A	Altera	tion		Repa	ir		
B. Proposed Sewage System Type											
 CLASS 2 - LEACHING PIT (Limited Use) CLASS 3 - CESS POOL (Restricted Use) CLASS 4 - SEWAGE SYSTEM CLASS 5 - HOLDING TANK (Temporary or Limited Use) C. Building Information											
C. Building Information											1
Plumbing Fixtures (Inclu	de rou	ghed-in plun	bing a	and proposed ac	ditior	ns (fu	ture basem	ent bat	throom)	1 1	
Description		# Existing	+	#New (Propos	sed)	=	Total	x	Fixture Unit	=	Count
Example; Sink		0	+	1		=	1	x	1.5	=	1.5
Bath Group -toilet/sink/show	er		+			=		x	6	=	
Sinks/Wash Basins			+			=		x	1.5	=	
Bathtub/Showers			+			П		x	1.5	=	
Toilets (flush tank)			+			П		x	4	=	
Dishwasher			+			=		x	1.5	=	
Laundry Tub/Washer Machir	e		+			=		x	1.5	=	
Water Softener backwashes Volume of Backwash						E UNITS	=				
D. Design Flow Calculati	ions (Q)									
				[1				
BEDROOM FLOWS (A)	#	of BEDRO	DMS	Number	Number Volume (litres)			Total Flow FINIS		HED FLO (M ²)	OR AREA
		1 Bedr	oom			750			FIRST FLO	DOR	
		2 Bedro	ooms			1100			SECOND	FLOOR	
		3 Bedro	ooms			1600			THIRD FL	OOR	
		4 Bedro	ooms		2	2000			TOTAL		
		5 Bedro	ooms		2500				DESIGN FLOW "Q'		OW "Q"
Extra Bedroom Over 5 (B)		Each Be	droom	1	500				Q = A + (B or C or D)		C or D)
		Each 10r	n ² ove	:۲		100			A =		
		200m ² -							В=	<u> </u>	
(C)		Each 10r <i>400m² -</i>	n⁻ ove 600m ⁴	2 2		75			C =		
		Each ² >600	0m ²			50			D =		
FIXTURE COUNT FLOW (D)					50			Q =		litres/day	
E. Septic Tank Size (Wo	E. Septic Tank Size (Working Capacity) Vew CSA B66 Standard Existing Replacement										
	Proposod/Evisting Working Capacity =										
F. Other Treatment Unit		Tertiary	,		s I	econ	Idary				
Manufacturer			Mode					BMEC	C #		
		-	-					_			

Schedule 3B: Soil Design Criteria and Site Evaluation

					-			
A. Perc	olation Rate of	of Design Soil (T)					
Perc	colation Rate of	Design Soil	Percola	ition Rate of Mantle Sa	and 🗆	Laboratory Analysis		
			T	= min/cm 🛛 🖬 L		Lab Report Attached		
	Native	Imported	Nati	ive 🗆 Impo	orted			
		lation rate ("T"-tim	e) for conventio		uitability for filter bec	a certified soil technician to I sand in filter bed systems.		
B. Perc	olation Rate a	and Classificati						
	aboratory Analy	ysis (Attached Re	port)	☐ Test on Site (Te	st Pit)	Estimated (Unified System)		
			TEST	PIT SOIL DATA				
	TE	ST PIT #1		TEST PIT #2				
Ground	Rock or Depth Ground Water Table (metres)		escription of Soil	Rock or Ground Water Table	Depth (metres)	Description of Soil		
		- 0 -			- 0 -			
		0.25 -			- 0.25 -			
		0.50 -			- 0.50 -			
		0.75 -			- 0.75 -			
	-	1.00 -			- 1.00 -			
	-	1.25 -			- 1.25 -			
	-	· 1.50 -			- 1.50 -			
	-	1.80 -			- 1.80 -			
Depth to	Depth to Groundwater m			Depth to Groundwater m				
Seasona	l High Groundw	/ater _	m	Seasonal High Grou	m			
Depth to	Bedrock	-	m	Depth to Bedrock		m		
			ESTIMAT	ED PERCOLATION				
			RATE	OF NATIVE SOIL				
	T-time			Soil Typ				
	(Min/cm)		(U	nified Soil Classifi	cation System)			
	4 – 12	Gravel, Sand M	ix, some fines	GM – Permeable to medium permeable, depending on amount of silt.				
	12 – 50	Clayey Gravel, g clay mixtures	gravel-sand-	GC – Important to estimate amount of silt and clay.				
	2 – 12	Gravel, Sand M	ix, some fines	SW – Medium permeability				
	2 – 8	Gravelly Sand, i fines	uniform, some	SP – Medium permeability				
	8 – 20	Silty Sand / Loa	ım Mix	SM – Medium to low permeability				
	12 – 50	Clayey Sand/Sil	Ity Loam Mix	SC - Medium to low permeability depending on amount of clay				
	20 – 50	Inorganic silts/C	Clayey Silts	ML – Medium to low permeability				

T = _____ min./cm

Percolation Time between 10 and 20 min/cm is ideal.

Schedule 3C: Class 4 Sewage System

- Conventional Leaching Bed : Where "T" is 1 to 50 min/cm and 900mm clearance from bedrock/high water table
- \hfill Raised Leaching Bed: Where "T" is <1 or >50 min/cm with imported fill
- □ Filter Bed System: Limited space with stone and sand filter
- □ Shallow Buried Trench System Designed by a Qualified Designer Documents attached

А.	ABSORPTION TRENCH	In-ground	Raised	Partially Raised	
	Length of Distribution Pi	pe (T= <u><</u> 50 min/cm):		Loading Rates (LR	VI)
	L = QT/200	L = m		Fill-Based Trenches and Fi	ilter Beds
	L = length of distribution pipe			(Table 8.7.4.1.A. OBC	C)
	Q = daily design flow in litres			Percolation Time of Soil (T),	Loading Rates
	T = percolation time of underly	ying soil (max. 50 min/cm)		(min/cm)	(L/m ²)/day
	Length of Distribution Pi	pe (T= >50 min/cm):		1 < T <u><</u> 20	10
	L = QT/40	L = m		20 < T <u><</u> 35	8
	L = length of distribution pipe	(min. 40m required)		35 < T <u><</u> 50	6
	Q = daily design flow in litres			T > 50	4
	I = percolation time of underly	ying soil (greater than 50 min/cm)		1,2,00	
	Length of Distribution Pi	pe (With Treatment Unit):			. 2
	L = QT/300	L = m		Loading Area(A): Q /LRM	
	L = length of distribution pipe	(min. 40m required)		A = area in m ² LRM= Loading Rate (s	see above table)
	Q = daily design flow in litres			Established Benchmark	m
	T = percolation time of underly	ying soil (greater than 50 min/cm)			
	BMEC Approved Trench	System or Treatment Unit		Dose Pump Required	Yes 🛛 No
Manufa	cturer	BMEC #	_	(Required if total distribution pipe is	s 150m or more)
			Pump	Size □ 3" Diam. V = 3.3 x L	
				□ 4" Diam. V = 5.9 x L	
1				L = total length of distribution pipe i	n the leaching bed
Length	of Trench based on BMEC Rep	ort: L = m		V = effluent volume pumped per cy	cle in litres
В.	FILTER BED	🗆 In-ground 🛛 🖬 Ra	vicod	Partially Raised	8.7.5. OBC
			liseu		
1.	Effective Filter Bed Area:				
1.				Pump Required Q Yes	No
	Effective Filter Bed Area:			Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L	No
	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day	Q/75 = m Q/50 = m		Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L □ 4" Diam. V = 5.9 x L	□ No
	Effective Filter Bed Area: Q = 3,000 litres/day or less	Q/75 = m		Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L □ 4" Diam. V = 5.9 x L L = total length of distribution pipe in	NO
	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day	Q/75 = m Q/50 = m		Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L □ 4" Diam. V = 5.9 x L	NO
2.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area:	Q/75 = m Q/50 = m $Q \times T/850 = $ m ²		Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L □ 4" Diam. V = 5.9 x L L = total length of distribution pipe in	NO
2. 3.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area :	Q/75 = m Q/50 = m $Q \times T/850 = $ m ² Q/LRM = m ²		Pump Required □ Yes Size □ 3" Diam. V = 3.3 x L □ 4" Diam. V = 5.9 x L L = total length of distribution pipe in	NO
2. 3.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark	Q/75 = m Q/50 = m $Q \times T/850 = $ m ² Q/LRM = m ² m	Pump	Pump Required Image: Yes Size Image: 3" Diam. V = 3.3 x L Image: 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cycle	NO
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal	Q/75 = m Q/50 = m $Q \times T/850 = $ m ² Q/LRM = m ² m	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed
2. 3. C.	Effective Filter Bed Area: Q = 3,000 litres/day or less Q = Over 3,000 litres/day Contact Area: Mantle Area : Established Benchmark WATER SUPPLY Municipal Note: All wells with	$Q/75 = - m m Q/50 = - m m^{2}$ $Q \times T/850 = - m^{2} m^{2}$ $Q/LRM = - m^{2} m^{2}$ $m m^{2}$ $Drilled Well D D$	Pump Pump roposed	Pump Required Yes Size 3" Diam. V = 3.3 x L 4" Diam. V = 5.9 x L L = total length of distribution pipe in V = effluent volume pumped per cyclose ed Well Other	n the leaching bed

