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5'90			0	15'90
6,00	L E		E	6'00
6'30	F		F	(6'3
Z				
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Industry Services Division 1400 E Washington Ave P.O. Box 7162 Madison, WI 53707–7162 County CHIPPEWA

Sanitary Permit Number (to be filled in by Co.)

NAMO CRO	P.S.			Ma			30x 7162 53707-			oq.		16-5			17
In acc	ordance with SPS 383		ode, subm	ission of this	form to	the :	appropriat				tion Num	nber			
the Do	epartment of Safety and ses in accordance with	d Professional Servic the Privacy Law, s. 1	es. Perso 15.04(1)(r	nal informati n), Stats.	on you	provi	ide may be	used f	or seconda	Project Addre 18051 CTH C		ferent tha	n mailin	g address	s)
I. A	oplication Informat	<u>tion – Please Print</u>	All Info	ormation											
	rty Owner's Name FE'S WILDWOOD RE	TREAT								Parcel # 22808-2644-0)1250000)			
	rty Owner's Mailing A CTH OO	Address								Property Loca Govt. Lot	ution				
City,	State		Ziı	p Code		Phor	ne Numbe			SE ¼, SE ¼,	Section	26			
CHIP	PEWA FALLS, WI		54	729		715.	.225.7116			T 28 N8; R	W E or V	`	e one)		
`	ype of Building (ch or 2 Family Dwelling				_	Lot	#			Subdivision N				•	
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M Pi	ublic/Commercial – De	escribe Use Four 5	Teu	SING E TO	422	Dioc	JK#			☐ City of					
	tate Owned – Describe	Use			_					─ ☐ Village o	f				
					i	CSN	A Number			■ Town of	LAFAY	ETTE			
111 7	Type of Permit: (C	hack only one hoy	on line	A Comple	ete line	Rif	f annlica	hle)							
A.	New System	Replacement		Treatm					nt Only	Other Mo	dification	n to Exist	ing Syste	em (expla	ain)
В.	Permit Renewal Before Expiration	Permit Revision	on	Change Plumber	of		Peri Owner	nit Tra	nsfer to Ne	List Previous	Permit N	lumber ar	nd Date I	ssued	
IV.	Type of POWTS S	System/Compone	nt/Devi	ce: (Check	c all th	nat a	pply)								
	Ion-Pressurized In-Gro Iolding Tank					_ —	Mound a	_	of suitable (explain)	e soil	< 24 in.	of suitabl	e soil		
V. D	ispersal/Treatment	Area Information	n:												
	n Flow (gpd) 7 = 1026	Design Soil Applic Rate(gpdsf) 0.5	ation	Dispe 2052	ersal Ar	ea Re	equired (sf)	Dispersa 2455.2	l Area Proposed (sf		tem Eleva RIES	ition		
VI.	Tank Info		city in llons			.	" c				ste	d p			ွ
		New Tanks		ng Tanks	Tota Gallo		# of Units		Manu	facturer	Prefab Concrete	Site Con- structed	Steel	Fiber Glass	Plastic
Septi	c or Holding Tank	1000	2250		3250		3	HUF	FCUTT		\boxtimes				
Dosir	ng Chamber	3000	0		3000		1	HUF	FCUTT						
VII.	Responsibility Stat	tement- I, the unde	rsigned,	assume resp	onsibili	ity fo	r installat	ion of 1	the POWI	S shown on the at	tached p	lans.			
Plum	ber's Name (Print)		Plumb	er's Signatur	e	D [)	0		MP/MPRS Number	i	Business 1		umber	
	C SCHOENBERG			w.	-X	2	ver	$\stackrel{\checkmark}{\bigcirc}$		222022		715.723.3	243		
	ber's Address (Street, 32 75 TH AVENUE -							/							
VIII	. County/Departme	ent Use Only								l l					
	Approved Disag			Permit Fee	Ce (Da	ate ssue		Issuing	Agent Signiture					
·	l <u>—</u>	er Given Reason for l	Denial	s 400	<u>لا يون</u>	(06	<u> </u>	1/1	W Jr	(mue_	-			
IX.	Conditions of Appr				i			A :	, ,		¢.				
	* syste	in elev	atic	7 P	etu	. (en	46	4	- 101.1	×				

EISA Ratings March 1, 2007

SYSTEM ELEVATION AND SIZING CALCULATIONS

Below Grade Soil Absorption Systems

Whites Wildv	wood Retreat	Owner's Name	6/6/2016	Review Date
	ick 4 Standard-W Chambe Jnit EISA Modification	r		Distribution Cell Media
	Effluent 1 or 2 t Vertical Separation Requi	ired	1.00 4.00	ft Maximum Cover Depth ft Unit Height ft Laying Length ft ² Min. Aggregate Area
1026 g	pd Design Flow		20.00	Unit EISA ft ²
0.5 g	pd/ft ² Wastewater Applicat	tion Rate	96.00	Number of Units
96.50 ft	t Proposed Cell Elevation		24	Number of Quick 4 Endcaps

Soil	Surface	Soil	Distribut	tion Cell	Acceptable	Finished G	ade EL (ft)
Boring	Grade	Limitation	Elevat	ion (ft)	System	Minimum	Maximum
Number	Elevation (ft)	Depth (in)	Lowest	Highest	Elevation?	98.50	107.50
1	102.10	75	98.85	101.10	No		
2	99.50	63	97.25	98.50	No		
3	99.70	76	96.37	98.70	Yes		

Version 5.0 (03/07)

EISA Ratings March 1, 2007

SYSTEM ELEVATION AND SIZING CALCULATIONS

Below Grade Soil Absorption Systems

Whites Wildwood Retreat	Owner's Name	6/6/2016	Review Date
Infiltrator Quick 4 Standard-W Char No Fabric Unit EISA Modification	nber		Distribution Cell Media
1 Effluent 1 or 2 ft Vertical Separation R	equired	8.00 1.00 4.00	ft Maximum Cover Depth ft Unit Height ft Laying Length
1026 gpd Design Flow 0.5 gpd/ft² Wastewater App 96.50 ft Proposed Cell Elevati		2052.00 20.00 96.00 24	ft ² Min. Aggregate Area Unit EISA ft ² Number of Units Number of Quick 4 Endcaps

Soil	Surface	Soil	Distribut	ion Cell	Acceptable	Finished Gr	ade EL (ft)
Boring	Grade	Limitation	Elevation (ft)		System	Minimum	Maximum
Number	Elevation (ft)	Depth (in)	Lowest	Highest	Elevation?	98.50	107.50
1	102.10	75	98.85	101.10	No		
2	99.50	63	97.25	98.50	No		
3	99.70	76	96.37	98.70	Yes		

Version 5.0 (03/07)



Soil Testing, Septic Designs & Inspections Serving North Western Wisconsin since 1994 (715) 577-6838 WastewaterPros.com

Client: WHITE'S WILDWOOD RETREAT

18051 CTH OO - Chippewa Falls, WI

NON-PRESSURIZED CONVENTIONAL SOIL ABSORPTION COMPONENT USING GRAVELLESS LEACHING CHAMBERS

Reference Component Manual

In-ground Absorption Component Manual (VERSION 2.0)

Location:

18051 CTH OO

SE 14, SE 14 Sec. 26 T 28 N, R 08 W

Town: LAFAYETTE County: CHIPPEWA

Designer's information:

William J. Bergh (License No. 1577-007)

I the undersigned state that these plans were designed

and submitted under my authority.

Designer's Signature:

Contents

Page 1 Cover sheet

Page 2 Design data & system overview

Page 3 POWTS site plan

Page 4 Treatment tank cross-section

Page 5 Flow Equalization tank cross-section

Page 6 Dose Pump specifications

Page 7 Distribution cells (cross-section & plan view)

Page 8 Drop Box detail

Page 9 Leaching chamber manufacturer specifications

Page 10 O&M

Page 11 O&M

PROFESSIONAL DESIGNATION AND THE STATE OF TH

Wedding facility pavillion added in 2016. Pavillion only to be used one day per week. All flows will be equalized over a seven day period using timed dosing effluent application.

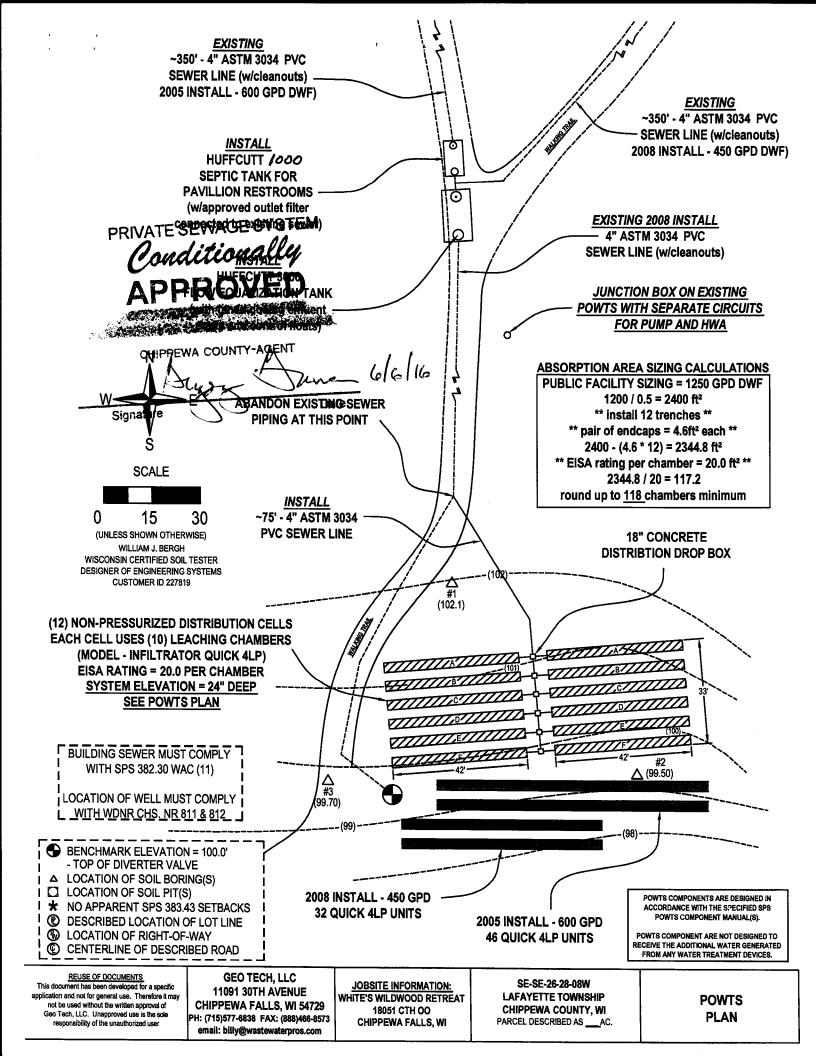
The POWTS design will incorporate as much of the existing infrastructure as possible. The existing installation has separate tourist housing each with their own septic tank. The effluent conveyance piping combines approximately 350' downslpe of each building and this is the proposed location for the new treatment tanks.

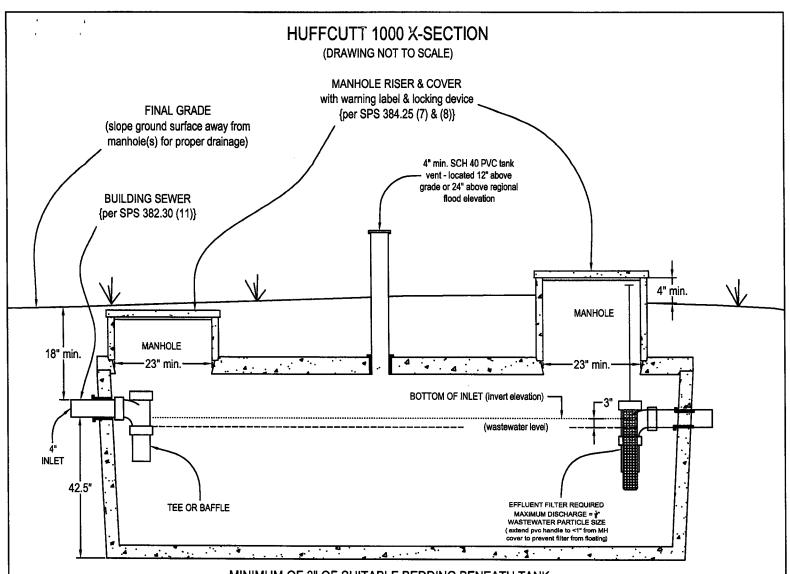
The building sewer from the new restroom will connect near the outlet of the existing Huffcutt 1250 gallon septic tank that was installed in 2005. The combined wastewater will flow through to a new Huffcutt 1000 gallon septic tank.

The effluent from the new 1000 gallon septic tank will combine with the effluent from the 2005 tourist retreat in a new Huffcutt 3000 gallon Flow Equalization tank. The flow equalization tank will have a timed dosing effluent pump installed and calibrated to dose 1200 GPD to the new absorption area (upslope of existing absorption trenches).

Source	<u>Type</u>	<u>Units</u>	<u>EWF</u>	<u>DWF</u>
Tourist (2005)	room	5	65	487.5
Floor Drain	drain	1	25	37.5
Tourist (2008)	room	3	65	292.5
Floor Drain	drain	1	25	37.5
Total Existing				855
4000 ft ² Hall	per 10ft ²	400	2	1200
Total DWF				2055

<u>Weekday</u>	<u>DWF</u>	DWF + storage	Daily dose	Storage
Saturday	2055	2055	1200	855
Sunday	855	1710	1200	510
Monday	855	1365	1200	165
Tuesday	855	1020	1200	-180
Wednesday	855	675	1200	-525
Thursday	855	330	1200	-870
Friday	855	-15	1200	-1215





MINIMUM OF 3" OF SUITABLE BEDDING BENEATH TANK

TANK SPECIFICATIONS

Max Length = 90.25"

Max Width = 78"

Liquid depth = 44.0"

Gallons/inch = 24.9 gpi

Max capacity = 1095.6 gallons

ANCHORING MAY BE REQUIRED PER SPS 383.43 (8)(g)
MAXIMUM DEPTH OF BURY IS 96"

4 OF 1)

HUFFCUTT MODEL 3000 X-SECTION (DRAWING NOT TO SCALE) FINAL GRADE (slope ground surface away from manhole(s) for proper drainage) MANHOLE RISER & COVER {per SPS 384.25 (7) & (8)} 4" min. SCH PVC tank vent -**GATE** located 12" above finish grade or VALVE **BUILDING SEWER** 24" above regional flood elevation {per SPS 382.30 (11)} **ELECTRICAL & ALARM SUPPLY** (electric & alarm wiring must be **FORCEMAIN** installed on separate circuits) **OPTIONS** MANHOLE 18" min. "FLOAT TREE" do not attach floats to pump discharge - use >1" sch 40 INLET WEEP HOLE REQUIRED (same Ø HWA as orifices) 4" INLET PIPE (tee or baffle) **PUMP INTAKE** MINIMUM OF 3" OF SUITABLE BEDDING BENEATH TANK 3" PUMP PAD EFFLUENT FILTER NA ** OR EQUIVALENT COMPONENT

Flow Equalization manufacturer/model——HUFFCUTT 3000

Trash tank time dosing pump/model——Zoeller 57

Pump discharge rate (rated minimum)——80 GPM @ 5.0' HEAD

Type of float switch———Mechanical

Total Dynamic Head (TDH)———<6.0'

(friction losses are considered insignificant)

trash tank capacities

Reserve capacity above alarm float------26.0"—1365.0 gallons Alarm float above pump/timer on float-----23.0"—1207.5 gallons Pump/timer off float above bottom of tank—6.0"—315.00 gallons Total septic tank capacities—-----55.0"—3047.2 gallons

The timer is set to engage the pump every 30 minutes and run the pump for 3 minutes.

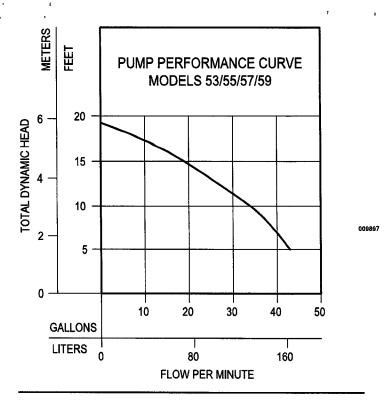
During this period the pump will transfer 25 gallons to the distribtuion cells

(gate valve will be metered on-site to ensure the specified dosing amount is applied).

25 gallons/dose x 48 doses/day = 1200 GPD

Tank Dimensions

Length 78.00" Width 59.00" Liquid depth 55.00" Gallons per inch 52.50



CONSULT FACTORY FOR SPECIAL APPLICATIONS

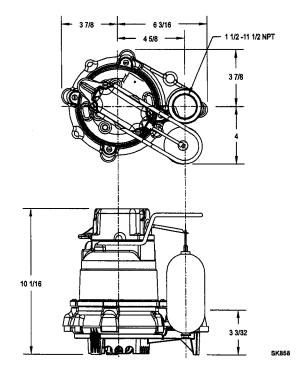
- Variable level float switches available.
- · Variable level long cycle systems available.
- Available with special cord lengths of 15', 25', 35' and 50'.
- · Alarm systems available.
- Duplex systems available.

Single Seal			Co	ntrol Selec	tion		List	ings
Model	Volts	Phase	Mode	Amps	Simplex	Duplex	CSA	UL
M53/55 & M57/59	115	1	Auto	9,7	1		Υ	Υ
N53/55 & N57/59	115	1	Non	9.7	2	3 or 4 & 5	İΥ	Y
* BN53	115	1	Auto	9.7	*		Υ	Y
* BN57	115	1	Auto	9.7	*		N	Υ
* BE53/57	230	1	Auto	4.8	*		Υ	Y
D53/55 & D57/59	230	1	Auto	4.8	1		Υ	Y
E53/55 & E57/59	230	1	Non	4.8	2	3 or 4 & 5	Υ	Υ

^{*} Single piggyback switch included.

TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT AND DEWATERING

МО	DEL	53/55/57/59			
Feet	Meters	Gal.	Liters		
5	1.5	43	163		
10	3.0	34	129		
15	4.6	19	72		
Shut-o	ff Head:	19.25 ft.(5.9m)			



SELECTION GUIDE

- 1. Integral float operated mechanical switch, no external control required.
- Single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
- 3. Mechanical alternator "M-Pak" 10-0072 or 10-0075.
- 4. See FM0712 for correct model of Electrical Alternator.
- Variable level control switch 10-0225 used as a control activator, with Electrical Alternator (3) or (4) float system.

▲ CAUTION

For information on additional Zoeller products refer to catalog on Piggyback Variable Level Float Switches, FM0477; Electrical Alternator, FM0486; Mechanical Alternator, FM0495; Sump/Sewage Basins, FM0487; and Single Phase Simplex Pump Control/Alarm Systems, FM0732.

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).

RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller pump.





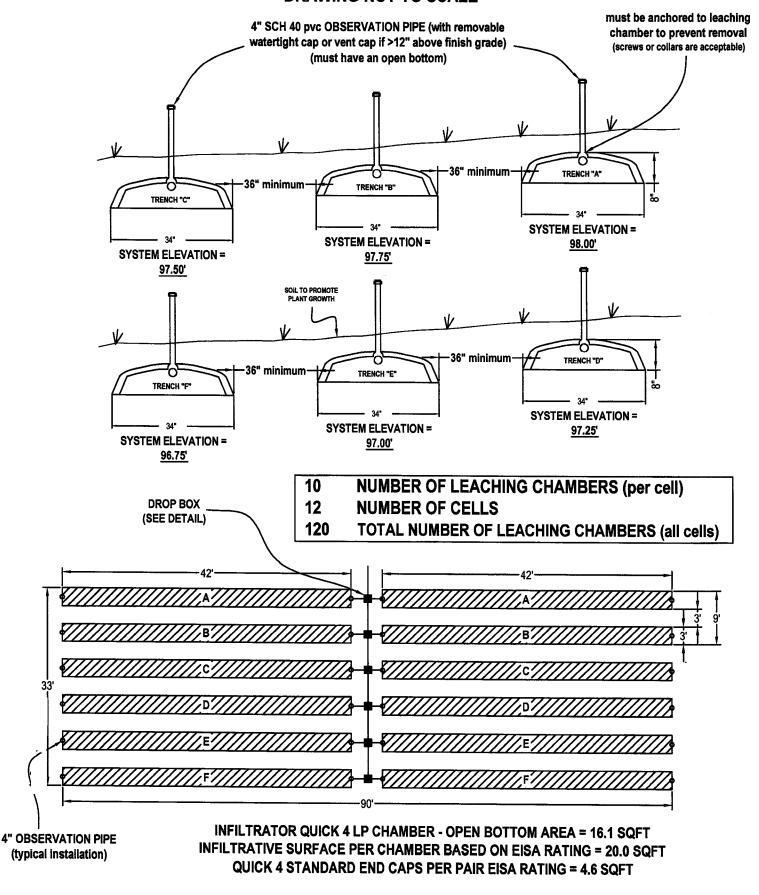
MAIL TO: P.O. BOX 16347 Louisville, KY 40256-0347 SHIP TO: 3649 Cane Run Road Louisville, KY 40211-1961 (502) 778-2731 • 1 (800) 928-PUMP FAX (502) 774-3624

Manufacturers of..

"QUALITY PUMPS SINCE 1939"

INFILTRATOR QUICK 4LP LEACHING CHAMBER (typical)

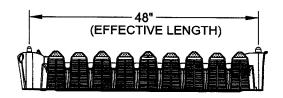
installations requires additional cells (not shown here)
"DRAWING NOT TO SCALE"

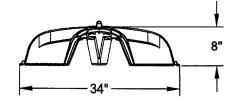


DETAIL 16A DROP BOX **DIMENSIONS:** HEIGHT: 16" O.D. LENGTH: 11 1/2" O.D. WIDTH: 11 1/2" O.D. BELOW INLET: 8 1/2" O.D. WEIGHT: 108 LBS. INLET AND OUTLET: 4" CAST-A-SEAL BOOT OR EQUAL $11\frac{1}{2}$ TOP VIEW 2" 16" ø4" 8¹/₂ 72" 2" 2" 2" SIDE VIEW END VIEW DROP BOX DRAWN BY: WCP SCALE: 3" = 1'-0" PRE-POUR: REV. DATE: SEPTIC MANUAL DATE: 00/00/00 POST-POUR: W3716 US HWY 10 MAIDEN ROCK, WI 54750 800-325-8456 FILE: SHEET 16A

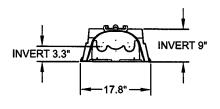
THE QUICK4 PLUS STANDARD LP CHAMBER

Quick4 Plus Standard LP Chamber Side and End Views

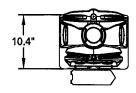




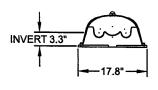
Quick4 Plus All-in-One End Cap Front, Side and End Views

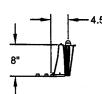


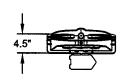




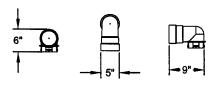
Quick4 Plus End Cap Front, Side and End Views







Quick4 Plus All-in-One Periscope



Quick4 Plus Standard Chamber Specifications

Size (W x L x H) 34" x 53" x 8" (86 cm x122 cm x 20 cm)

Invert Height 0.6", 3.3", 7", 8" (1.52 cm, 8.4 cm, 18.5 cm, 22.6 cm)

INFILTRATOR SYSTEMS, INC. STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, and cap and other accessory manufactured by infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmarship for one year from the date that the septic permit is issued the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify infiltrator in writing at its Corporate Headquarters in Old Saybrook. Connecticut within fifteen (15) days of the alleged defect, Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b)THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Inflitract. The Limited Warranty does not extend to incidental, consequential, special or indirect damages, Inflitrator shall not be fable for penalties or liquicated damages, including loss of production and profits, lator and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party, Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units: the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder late to comply with all of the terms set forth in this Limited Warranty. Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installated in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybroox, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.



systems inc.

6 Business Park Road • P.O. Box 768 Old Saybrook, CT 06475 860.577.7000 • FAX 860.577.7001

800.221.4436 www.infiltratorsystems.com

For technical assistance, installation instructions or customer service, call Infiltrator Systems at 800.221-4436

U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending.

Owner/Agent:
POWTS Maintainer:
Local Regulatory Authority:
POWTS Installer:
Septage Servicing Operator

WHITE'S WILDWOOD RETREAT – 18051 CTH OO

Geo Tech Soil & Site Evaluation – Chippewa Falls, WI 715-577-6838

Chippewa County Zoning Department Chippewa Falls, WI 715.726.7940

Eric Schoenberg – Schoenberg Services Inc. – Cadott, WI 715.720.9901

DESIGN PARAMETERS

Influent/Effluent quality (values typical for domestic (non-commercial wastewater and septic tank effluent)
Fats, Oil and greases (FOG) <30 mg/L, Biochemical Oxygen Demand (BOD) <220 mg/L, Total Suspended Solids (TSS) <150 mg/L Soil Loading Rate (SLR) = 0.5 (eff #1)

SYSTEM SPECIFICATIONS

The components of this septic system are intended to serve two retreats and pavilion with no kitchen facilities. The components include two existing Huffcutt septic tanks (with filters), install a Huffcutt 1000 septic tank (with filter) and a Huffcutt 3000 gallon flow equalization tank with a timed dosing Zoeller 57 effluent pump, alarm and control float. Install (12) non-pressurized distribution cells using Infiltrator Quick4LP leaching chambers. Install a minimum of 120 leaching chambers when applying an EISA rating of 20.0 as specified by SPS. All parts of the components must comply with WI Adm. Code SPS 384 and be installed per manufacturer specifications and approval letters.

DESIGN CRITERIA

✓ In ground Soil Absorption component Manual Version 2.0

MAINTENANCE & MANAGEMENT

Inspect the condition of the treatment tank(s) and dispersal cell(s) a <u>minimum</u> of every three years. The septic tank contents must be removed in accordance with Chapter NR 113, WI Adm. Code when the combined sludge and scum equals one-third (1/3) the tank volume. The effluent filter should be inspected annually to ensure maximum performance. At a minimum the filter must be cleaned every three years when the tank is pumped. Immediately following the tank pumping the effluent filter should be properly removed and thoroughly flushed with a hose or other suitable means so that any debris accumulated on the filter have been properly removed. Upon successful removal of all foreign matter replace the filter so that it is properly "seated" in the filter housing canister. Refer to individual filter manufacturer specifications for additional information about specific products.

START UP

For new construction prior to use of the POWTS check treatment tank(s) for presence of painting products or other chemicals that may impede the treatment process and/or damage the dispersal cell(s). If high concentrations are detected have the contents of the tank(s) removed by a septage-servicing operator prior to use.

OPERATION

The property owner is responsible for the operation and maintenance of the POWTS and submission of required reports. The quantity and quality of wastewater will affect the performance and longevity of your POWTS. The installation of water-saving appliances and fixtures along with prompt repair of leaks reduces the wastewater volume. Also, the brine or waste from water softeners, iron removal units, and other clear water treatment devices and foundation drains should be discharged to the ground surface whenever possible. Note: this does not include laundry waste, showers, dishwater, etc.

The system is designed to handle domestic strength wastewater, however the disposal of food based greases and oils, vegetable/fruit peels and seeds, bones, and food solids such as those produced be a garbage disposal should be minimized. Toilet tissue is the only paper that should be discharged into the system. Other non-biodegradable items such as baby wipes, tampons, sanitary napkins, condoms, cigarette butts, dental floss, and cotton swabs should not enter the system. Chemicals such as petroleum products, paint, disinfectants, pesticides, antibiotics (medications), solvents, etc., should not be flushed into the system as they can seriously damage your POWTS and contaminate your drinking water supply.

Maintain regular steady flow by spreading the laundry washing throughout the week. Avoid vehicle traffic over all system components. Compaction of snow over the unit may cause it to freeze up.

INSPECTIONS

Inspections shall be made by a person carrying one of the following licenses or certifications: Master Plumber, Master Plumber Restricted Sewer, POWTS Maintainer or Septage Servicing Operator (per the attached Maintenance Schedule)

✓ Septic Tank

Tank inspections must include a visual inspection of the tank to identify any missing or broken hardware, identify any cracks of leaks, measure the volume of combined sludge and scum and to check for any backup or surface discharge of effluent. Access openings used for service of assessment shall be sealed and/or locked upon completion of service. Any defects shall be promptly corrected. Exposed openings greater than 8 inches in diameter shall be secured with an effective locking device to prevent accidental of unauthorized entry into the tank.

The outlet (effluent) filter(s) shall be inspected and cleaned to remove any accumulated solids according to manufacturer's specifications. Provisions are to be made to retain solids in the tank during cleaning. Filter cleaning may be necessary at more frequent intervals than stated in the maintenance schedule to keep the system operating properly.

✓ Flow Equalization Tank

The inspection must include a test of all electrical equipment such as pumps, alarms and floats. A visual check must me made for leaks, backups, surfacing, missing or broken security devices and other hardware and the condition of the filter. Any service needs or repairs shall be promptly taken care of.

✓ In-Ground Gravity Component dispersal Cells

The inspection shall include recording the levels of ponding, if any in the observation tubes and a visual inspection for any evidence of surface seepage or discharge. Any discharge to the ground must be promptly reported to the regulatory authority. Ponding greater than 75% of the height of the component may indicate overloading or impending hydraulic failure necessitating more frequent monitoring.

Divertor Valve

The divertor valve shall be switched to serve the opposing distribution component every three years (when the septic tank is due for it regular maintenance). However, if ponding is observed in the observation/vent pipe of any cell, the divertor valve shall be switch to the opposing component. Furthermore, ponding greater than 75% of the height of the component may indicate overloading or impending hydraulic failure necessitating more frequent monitoring

REPORTS

Reports for maintenance, inspection, and monitoring shall be submitted in accordance with SPS 383.55 Wisconsin Administrative Code.

ABANDONMENT

When the POWTS fails and/or is permanently taken out of service the following steps shall be taken to ensure that the system is properly and safely abandoned in compliance with Ch. SPS 383.33, Wisconsin Administrative Code.

- All piping to tanks and pits shall be disconnected and the abandoned pipe opening sealed.
- The contents of all tanks and pits shall be removed and properly disposed of be a Septage Servicing Operator.
- After pumping, all tanks and pits shall be excavated and removed or their covers removed and the void space filled with soil, gravel or other inert solid material.

CONTINGENCY PLAN

If the POWTS fails and cannot be repaired the following measures have been, or must be taken, to provide a code compliant replacement system.

- o A suitable replacement area has been evaluated and may be utilized for the location of a replacement soil absorption system. The replacement area should be protected from disturbance and compaction and should not be infringed upon by required setbacks from existing and proposed structure(s), lot lines and wells. Failure to protect the replacement area will result in the need for a new soil and site evaluation to establish a suitable replacement area. Replacement systems must comply with the rules in effect at that time.
- A suitable replacement area is not available due to setback and/or soil limitations. Barring advances in POWTS technology a holding tank may be installed as a last resort to replace the failed POWTS.
- The site has not been evaluated to identify a suitable replacement area. Upon failure of the POWTS a soil and site evaluation must be performed to locate a suitable replacement area. If no replacement area is available a holding tank may be installed as a last resort to replace the failed POWTS.

WARNING

SEPTIC, PUMP AND OTHER TREATMENT TANKS MAY CONTAIN LETHAL GASES AND/OR INSUFFICIENT OXYGEN.
DO NOT ENTER A SEPTIC, PUMP OF OTHER TREATMENT TANK UNDER ANY CIRCUMSTANCES. DEATH MAY
RESULT. RESCUE OF A PERSON FROM THE INTERIOR OF A TANK MAY BE DIFFICULT OR IMPOSSIBLE.

SOIL EVALUATION REPORT

#2985

Page _1_ of _3

Department of Safety and Professional Services

Geo Tech Soil & Site Evaluation, LLC

Division of Safety and Polessional Services

Division of Safety and Pull in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8½ x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

	Geo recir son o	Site Evaluati	011, LL
County	Chippewa		
Parcel I.D.	22808-2644-0125	50000	
Reviewed B	V AS	Date	16

Please print all information.					Davidson del		4 3	Datal	4	
Personal	information	you provide may be us	ed for secondary purposes	(Privacy La	w, s. 15.04 (1) (m)).	Reviewed I	зу	8 5	Date	0/16
Property	Owner		. 1	F	Property Location					•
WHITE'	S WILDV	VOOD RETREAT			Govt. Lot	SE	1/4, SE1/	4, S26, T	[28N, R8\	Ν
	Owner's M	lailing Address	UBIGHA		ot# Block#	Subd. Na 27 ACF	ame or CSN RES	/I#		
City		State Z	ipode Phone Num	nber	City Vi	llage 🔀 Tov	_{vn} Near	est Road		
CHIPPE	WA FAL	.LS WI	54729 715.225.	7116	Lafay	/ette	l	C.	TH 00	
New	Constructi	on Use: R	esidential / Number of I	bedrooms	0 Cod	de derived de	sign flow rat	te	2055	GPD
Repla	scement	⊠ F	ublic or commercial - D	escribe: 7	OURIST HOUSI	ING & DANG	CE HALL			
	aterial <u>L</u> e	OAMY FINE RESI	DUUM Is evaluation for existing	2005 soil re		Flood plain el			NA POWTS M	
and recon	nmendatio	ns: recommend SLR	= 0.5 (eff #1). POWTS d	lesign will i	ncorporate 7-day flow	w equalization.	Stepped sy	stem elev	ations recor	nmended.
		ns: recommend SLR ☑ Boring	= 0.5 (eff #1). POWTS d	lesign will in	ncorporate 7-day flov	w equalization.	Stepped sy	rstem elev	ations recor	nmended.
1 B	oring #	ns: recommend SLR ☑ Boring	= 0.5 (eff #1). POWTS d	lesign will i	ncorporate 7-day flov	w equalization.	Stepped sy	stem elev	Soil Appli	nmended.
		ins: recommend SLR ☑ Boring ☐ Pit Gro	= 0.5 (eff #1). POWTS d	D2.10 ft	ncorporate 7-day flow	w equalization.	Stepped sy	stem elev	Soil Appli	nmended.
1 B	oring #	ons: recommend SLR ☑ Boring ☐ Pit Group	= 0.5 (eff #1). POWTS of und surface elev10	D2.10 ft	ncorporate 7-day flow Depth to limi	w equalization.	Stepped sy	stem elev	Soil Appli	nmended. cation Rate
1 B	oring # [Depth in.	Boring Pit Ground Dominant Color Munsell	= 0.5 (eff #1). POWTS of und surface elev10	D2.10 ft Texture	ncorporate 7-day flow Depth to limi	w equalization.	Stepped sy	stem elev	Soil Appli	nmended. cation Rate
1 B	oring # [2] Depth in. 0-4	Boring Pit Group Dominant Color Munsell 10YR 2/2	= 0.5 (eff #1). POWTS of und surface elev10	O2.10 ft Texture	ncorporate 7-day flow Depth to limi	w equalization.	Stepped sy	_in. Roots	Soil Appli	nmended. cation Rate
Horizon 1 2	Depth in. 0-4 4-22	Boring Pit Grou Dominant Color Munsell 10YR 2/2 7.5YR 3/4	= 0.5 (eff #1). POWTS of und surface elev10	D2.10 ft Texture LFS LFS	ncorporate 7-day flow Depth to limi	w equalization.	Stepped sy	_in. Roots	Soil Appli	nmended. cation Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft²	
									*Eff#1	*Eff#2
1	0-8	10YR 3/3		LOAM						
2	8-15	7.5YR 3/4		LFS						
3	15-29	7.5YR 4/4		LFS						
4	29-63	10YR 4/4		LFS						
5	63-70	10YR 4/3	C1F 10YR 5/3 7.5YR 5/6	LVFS						

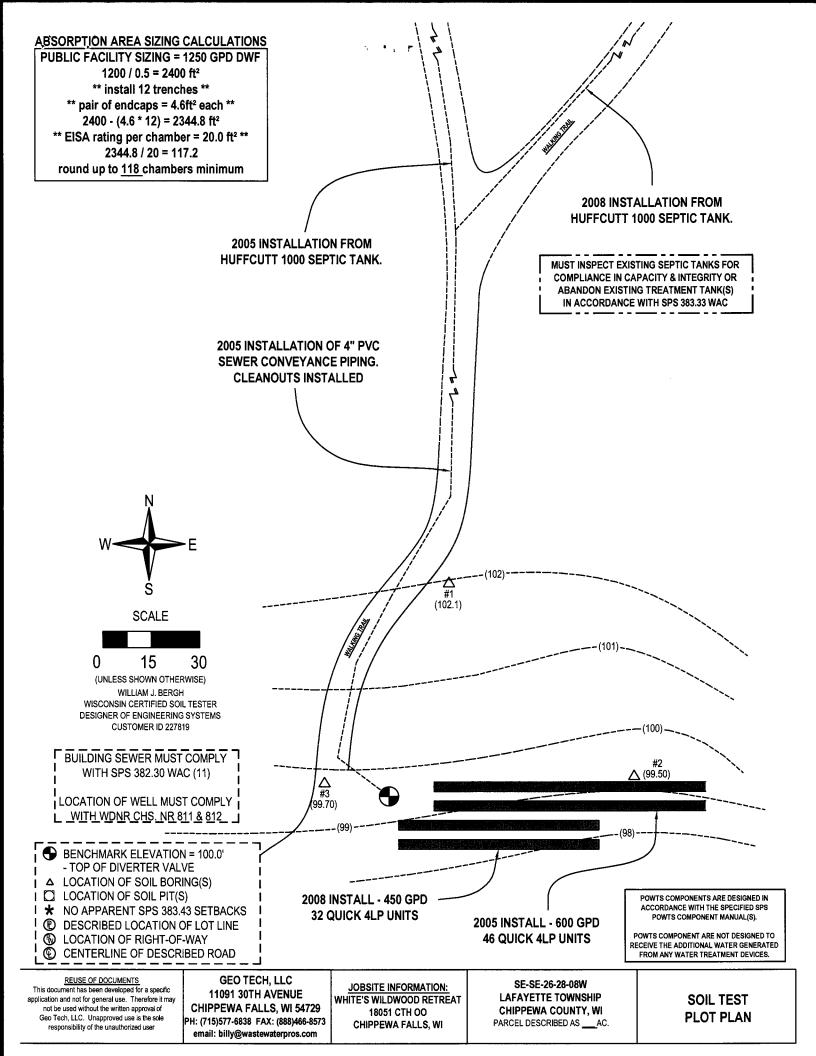
No.3 with 7.5YR 3/3 massive LFS bands 1/4"- 1/2" wide. No.3 with ~10% sandstone gragments.

* Effluent #1 = BOD ₅ > 30 ≤ 220 mg/L and	TSS >30 ≤ 150 mg/L	* Effluent #2 = BOD ₅ < \$0 mg/L and	TSS ≤30 mg/L
CST Name (Please Print) William J. Bergh	Signature: A Da	J. Bugh	CST Number 227819
Address Geo Tech Soil & Site Evaluation, LLC 11091 30th Avenue Chippewa Falls, W	54729	Date Evaluation Conducted 5/2/2016	Telephone Number 715-577-6838

SBD-8330 (R.11/11)

^{*} Effluent #1 = BOD $_5$ > 30 \leq 220 mg/L and TSS >30 \leq 150 mg/L

^{*} Effluent #2 = $BOD_5 \le 30 \text{ mg/L}$ and TSS $\le 30 \text{ mg/L}$



CHIPPEWA COUNTY NO. 09-2016-SAN-0119

STATE SANITARY PERMIT

☐ TRANSFER / RENEWAL

PREVIOUS NO.

OWNER: DEAN J & BETTY A WHITE

TOWN OF: LAFAYETTE

SECTION: <u>26</u>, <u>T28N</u>, <u>R08W</u>

PARCEL NUMBER: 22808-2644-01250000

PROPERTY ADDRESS: 18051 COUNTY HWY OO

PLUMBER: ERIC SCHOENBERG

LICENSE #: 222022

This sanitary permit is transferable.

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may impede renewal.

Renewal of the sanitary permit will be based on regulations in force at the time renewal is sought, and that changed regulations

(e)

The purpose of the sanitary permit is to allow installation of the

Chapter 145.135(2) Wisconsin Statutes

The sanitary permit is valid and may be renewed for a specified

3

Changed regulations will not impair the validity of a sanitary

The approval of the sanitary permit is based on regulations in

force on the date of approval

Note: If you wish to renew the permit, or transfer ownership of the permit, please contact Chippewa County.

History: 1977 C. 168; 1979 c. 34,221; 1981 c. 314

ISSUED BY:

DATE: 6/6/2016

THIS PERMIT EXPIRES 6/6/2018 UNLESS RENEWED BEFORE THAT DATE

POST IN PLAIN VIEW

VISIBLE FROM THE ROAD FRONTING THE LOT DURING CONSTRUCTION