Wisconsin
Department of Commerce
Safety and Buildings Division

PRIVATE ONSITE WASTE TREATMENT SYSTEMS (POWTS) INSPECTION REPORT

(ATTACH TO PERMIT)

County	Sanitary Permit No:	State Plan Transaction ID#:	Tax No:
Washburn	614118/S45-21		17448

GENERAL INFORMATION

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

Permit Holder's Name:	☐ City ☐ Village ■ Town of:	
.STEVEN WURZER		
CST BM Elev:	Insp BM Elev:	BM Description: TOP OF SLAB BY MAIN DOOR

TANK INFORMATION

TYPE	MANUFACTURER	CAPACITY
Septic	WIESER COMBO	1585/950
SEPTIC		
Aeration		
Holding		

TANK SETBACK INFORMATION

TANK TO	P/L	WELL	BLDG	VENT TO AIR INTAKE	ROAD
Septic	90	50+	70'		
Holding					

ELEVATION DATA

STATION	BS	HI	FS	ELE
Benchmark	.50		100.50	100.00
Bldg. Sewer			14.32	86.18
St / Ht Inlet			15.64	84.86
St / Ht Outlet				
Dt OUTLET			15.89	84.61
Dt Bottom			19.08	81.42
Dist. Pipe				
Infiltrative Surface				
	TOP	CELL	6.24	94.26
	MID.	CELL	6.72	93.78
	BOTT.	CELL	7.12	93.38
FINAL GRADE	AVE.		3.00	97.50

PUMP / SIPHON INFORMATION

Manufacturer	ZOLLER			Demand GPM
Model Number	151			
TDH 12.84 Lift	Friction Loss 1.6	System Head		TDH14.44 Ft
Forcemain	Length 80'	Dia2"	Dist. To Well 50+	

DISPERSAL CELL INFORMATION 3-80' LONG

DIMENSIONS	Width 3'	Length'	No of Cells 3	
SETBACK INFORMATION	P / L	Bldg	Well	OHWM of Nav Waters
CELL TO	50+	100'+	150'+	200+

Type of System		Manufacturer:
NPIG	LEACHING CHAMBER	EZ FLOWS
		Model Number: 1203H

DISTRIBUTION SYSTEM

X Pressure Systems Only VENTS

Header / Manifold	Distribution Pipe(s)	X Hole Size	X Hole Spacing	Observation Pipes
Length __'____ Dia	Length _____ Dia _____ Spac _____			x Yes ☐ No

SOIL COVER

Depth Over Cell Center	Depth Over Cell Edges	Depth of Topsoil	Seeded / Sodded	Mulched
			☐ Yes ☐ No	☐ Yes ☐ No

COMMENTS: (Include code discrepancies, persons present, etc.)

See S338-01

CHAINS & LOCKS, LIFETIME FILTER GF-10, TYLER GUNDERSON MP LIC. # 1083900 ON SITE

Plan revision required? ☐ Yes ☐ No | 4 | 26 | 21 | Date

POWTS Inspector's Signature

2	2	3	7	8	1

Cert No

Use other side for additional information

Bureau of Field Operations, PO Box 7302, Madison, WI 53701-7302

SBD-6710 (R.3/01)

Wisconsin
Department of Commerce
Safety and Buildings Division

PRIVATE ONSITE WASTE TREATMENT SYSTEMS (POWTS) INSPECTION REPORT

(ATTACH TO PERMIT)

County	Sanitary Permit No:	State Plan Transaction ID#:	Tax No:
Washburn	S338-01		17448

GENERAL INFORMATION

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

Permit Holder's Name:	☐ City ☐ Village ■ Town of:	BM Description:
.STEVEN WURZER	LONG LAKE	TOP OF SLAB BY MAIN DOOR

CST BM Elev: | Insp BM Elev:

TANK INFORMATION

TYPE	MANUFACTURER	CAPACITY
Septic		
SEPTIC		
Aeration		
Holding		

TANK SETBACK INFORMATION

TANK TO	P/L	WELL	BLDG	VENT TO AIR INTAKE	ROAD
Septic	50'	>50'	>50'		
Holding					

ELEVATION DATA

STATION	BS	HI	FS	ELE
Benchmark	3.12		103.12	100.00
Bldg. Sewer			NA	
St / Ht Inlet			NA	
St / Ht Outlet			NA	
Dt Inlet			NA	
Dt Bottom			25.11	78.01
Dist. Pipe				
Infiltrative Surface	TOP 2		8.1 8.4	95.02 94.72
	3		8.7	94.42
	4		9.0	94.12
	5		9.3	93.82
	BOTT.		9.6	93.52

PUMP / SIPHON INFORMATION

Manufacturer	EXSISTING DON'T NO		Demand GPM
Model Number			
TDH 17' Lift	Friction Loss 1.8	System Head	TDH 18.8 Ft
Forcemain	Length 90'	Dia 2"	Dist. To Well 100+

DISPERSAL CELL INFORMATION

DIMENSIONS	Width 3'	Length' 70'	No of Cells 6	
SETBACK INFORMATION	P / L	Bldg	Well	OHWM of Nav Waters
CELL TO	50+	100+	150+	200+

Type of System		Manufacturer:
NPIG	LEACHING CHAMBER	EZ FLOWS
		Model Number: 1203H

DISTRIBUTION SYSTEM

X Pressure Systems Only — VENTS

Header / Manifold	Distribution Pipe(s)	X Hole Size	X Hole Spacing	Observation Pipes
Length __'___ Dia	Length ____ Dia ____ Spac ____			x Yes ☐ No

SOIL COVER

Depth Over Cell Center	Depth Over Cell Edges	Depth of Topsoil	Seeded / Sodded	Mulched
			☐ Yes ☐ No	☐ Yes ☐ No

COMMENTS: (Include code discrepancies, persons present, etc.)

THIS WAS A ADD ON TO THE EXSISTING HOUSE DRAIN FIELD . TYLER GUNDERSON PLUMBER

6 ROWS 70' LONG 1260 Sq FT WAS ADDED. A REVISION WAS DONE SEE PLOT PLAN

Plan revision required?	Date			POWTS Inspector's Signature	Cert No
x Yes ☐ No	4	26	21		223781

Use other side for additional information

SBD-6710 (R.3/01)

Wisconsin Department of Safety and Professional Services
Division of Industry Services

SOIL EVALUATION REPORT

Page ___ of ___

in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 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.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County: WASHBURN

Parcel I.D.: 65-026-2-37-11-23-5 05-003-003000

Reviewed by: ____ Date: ____

Property Owner: STEVEN J WURZER

Property Owner's Mailing Address: N1211 EASTSIDE RD.

City: BIRCHWOOD | State: WI | Zip Code: 54817 | Phone Number: ( )

Property Location: Govt. Lot NW 1/4 NE 1/4 S 23 T 37 N R 11 [ ] E (or) [X] W

Lot # | Block # | Subd. Name or CSM#

[ ] City [ ] Village [X] Town | Nearest Road: LONG LAKE | EASTSIDE RD.

[ ] New Construction Use: [X] Residential / Number of bedrooms 7 Code derived design flow rate 1050 GPD

[X] Replacement [ ] Public or commercial - Describe: ____

Parent material: LOESS OVER OUTWASH Flood Plain elevation if applicable: N/A ft.

General comments and recommendations: SOIL BORING IN ADDITION TO PREVIOUS SOIL TEST. (SAME BENCHMARK.) ADD ON TO EXSISTING DF

4 Boring # [X] Boring [ ] Pit Ground surface elev. 94.6 ft. Depth to limiting factor >99 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-11	10YR 4/3	CIF 5YR 5/6 SPECKS	SIL	—					
2	11-31	7.5YR 4/4	—	LS	—					
3	31-99	7.5YR 4/4	—	GRVL LS+FS	—					

[ ] Boring # [ ] Boring [ ] Pit Ground surface elev. ____ ft. Depth to limiting factor ____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print): Arik Wruck Signature: ____ CST Number: ____

Address: 1518 Glenn Pl. Eau Claire, WI, 54703 (715) 225-1906 CST - 092000015

Date Evaluation Conducted: 4/28/2021 Telephone Number: ____

SBD-8330 (R07/13)

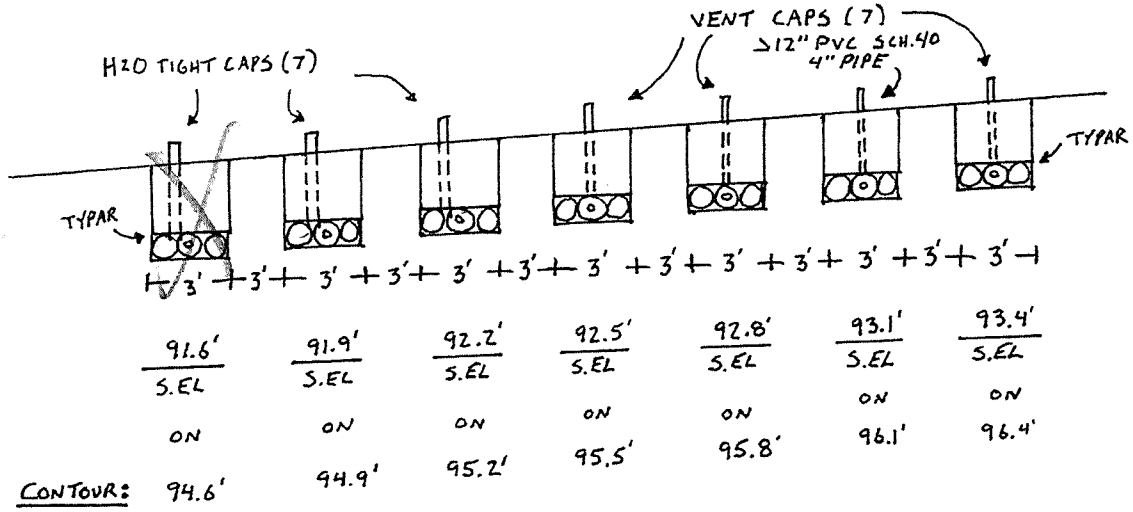
STEVEN J WURZER (N1211 EASTSIDE RD.)
NW, NE, 23, 37N, 11W
T. OF LONG LAKE, WASHBURN CO.

Top of pc 15.61

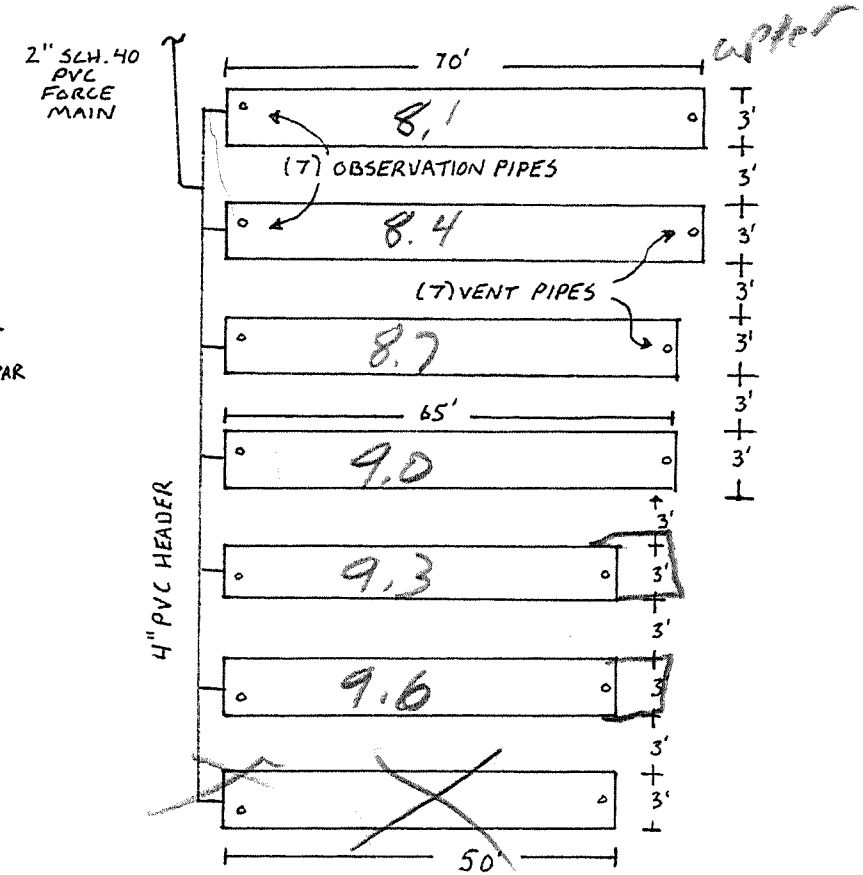
6' Riser

PLOT PLAN

BM 3.12 Top of Stump



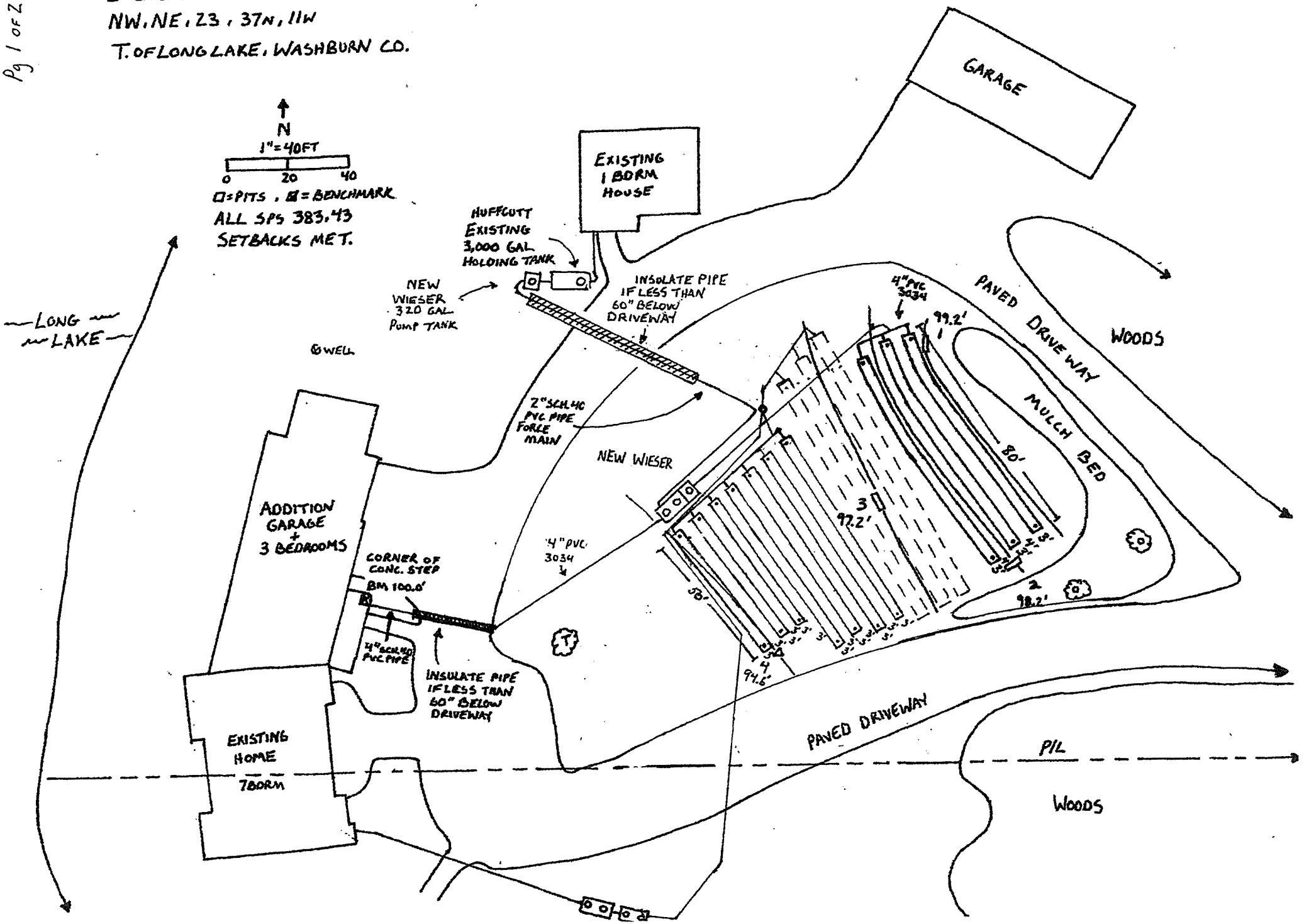
CROSS - SECTION (NO SCALE)



PLAN VIEW (NO SCALE)

PLOT PLAN

STEVEN J WURZER (N1211 EASTSIDE RD.)
NW. NE. 23, 37N, 11W
T. OF LONG LAKE, WASHBURN CO.



Industry Services Division
1400 E Washington Ave
P.O. Box 7162
Madison, WI 53707–7162

RECEIVED
APR 19 2021
WASHBURN COUNTY
ZONING ADMIN

ORIGINAL

County WASHBURN IX# 17448

Sanitary Permit Number (to be filled in by Co.) 6/4/18 / S 45-21

State Transaction Number

Sanitary Permit Application

In accordance with SPS 383.21(2), Wis. Adm. Code, submission of this form to the appropriate governmental unit is required prior to obtaining a sanitary permit. Note: Application forms for state-owned POWTS are submitted to the Department of Safety and Professional Services. Personal information you provide may be used for secondary purposes in accordance with the Privacy Law, s. 15.04(1)(m), Stats.

Project Address (if different than mailing address)

I. Application Information – Please Print All Information

Property Owner's Name: STEVEN J WURZER

Parcel # 65-026-2-37-11-23-5
05-003-003000

Property Owner's Mailing Address: N1211 EASTSIDE RD

City, State: BIRCHWOOD, WI

Zip Code: 54817

Phone Number:

Property Location
Govt. Lot ____
NW ¼, NE ¼, Section 23
(circle one)
T 37 N; R 11 E or (W)

II. Type of Building (check all that apply)

☒ 1 or 2 Family Dwelling – Number of Bedrooms 4

☐ Public/Commercial – Describe Use ____

☐ State Owned – Describe Use ____

Lot #

Block #

CSM Number

Subdivision Name

☐ City of ____

☐ Village of ____

☒ Town of LONG LAKE

III. Type of Permit: (Check only one box on line A. Complete line B if applicable)

A.	☒ New System	☐ Replacement System	☐ Treatment/Holding Tank Replacement Only		☐ Other Modification to Existing System (explain)
B.	☐ Permit Renewal Before Expiration	☐ Permit Revision	☐ Change of Plumber	☐ Permit Transfer to New Owner	List Previous Permit Number and Date Issued

IV. Type of POWTS System/Component/Device: (Check all that apply)

☒ Non-Pressurized In-Ground ☐ Pressurized In-Ground ☐ At-Grade ☐ Mound ≥ 24 in. of suitable soil ☐ Mound < 24 in. of suitable soil

☐ Holding Tank ☐ Other Dispersal Component (explain)____ ☐ Pretreatment Device (explain)____

V. Dispersal/Treatment Area Information:

Design Flow (gpd)	Design Soil Application Rate(gpdsf)	Dispersal Area Required (sf)	Dispersal Area Proposed (sf)	System Elevation
600	.7	857.2	1200	95.6', 96.0', 96.4'

VI. Tank Info

	Capacity in Gallons: New Tanks	Capacity in Gallons: Existing Tanks	Total Gallons	# of Units	Manufacturer	Prefab Concrete	Site Constructed	Steel	Fiber Glass	Plastic
Septic or Holding Tank	~~1,500~~ 1585		1585	1	WIESER / HUFFCUTT	X				
Dosing Chamber	950		950	1	"COMBO"	X				

VII. Responsibility Statement- I, the undersigned, assume responsibility for installation of the POWTS shown on the attached plans.

Plumber's Name (Print)	Plumber's Signature	MP~~MPRS~~ Number	Business Phone Number
TYLER GUNDERSON	Tyler	1083900	(715) 225-2861

Plumber's Address (Street, City, State, Zip Code)
W7223 CTY RD P, ARKANSAW, WI, 54721

VIII. County/Department Use Only

☒ Approved	☐ Disapproved ☐ Owner Given Reason for Denial	Permit Fee $375.00	Date Issued 4-20-21	Issuing Agent Signature

IX. Conditions of Approval/Reasons for Disapproval

Attach to complete plans for the system and submit to the County only on paper not less than 8 1/2 x 11 inches in size

Private Onsite Wastewater Treatment System

Index and Title Page

Project Name: STEVEN J WURZER - 4BDRM INGROUND POWTS (NEW)

Owner's Name: " "

Owner's Address: N1211 EASTSIDE RD.
BIRCHWOOD, WI, 54817

Legal Description: NW, NE, 23, 37N, 11W

Municipality: Town, ~~Village, City~~ of LONG LAKE

County: WASH BURN

Lot Number: _____ Block Number: _____ CSM Number: _____

Subdivision Name: (N1211 EASTSIDE RD., BIRCHWOOD, WI, 54817)

Parcel I.D. Number: 65-026-2-37-11-23-5 05-003-003000

Name of Designer: TYLER GUNDERSON License #: MP-1083900

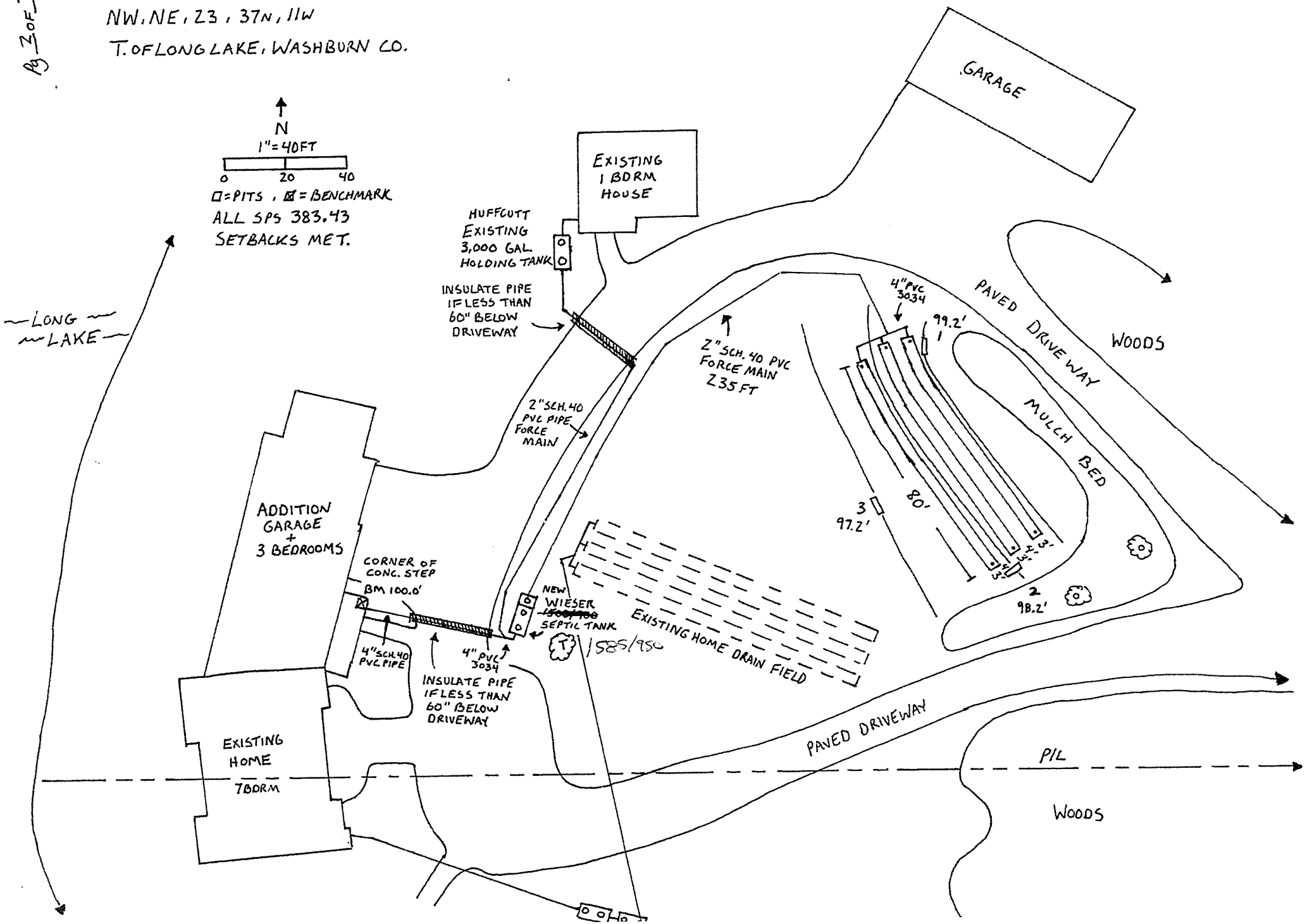
Signature: _____ Date: 4/18/2021

Designed pursuant to the following POWTS Component Manual and DSPS 381-385:
SBD-10705-P (N.01/01, R.10/12) "In-ground Soil Absorption Component Manual" Version 2.0
Attachment: Soil Evaluation Report

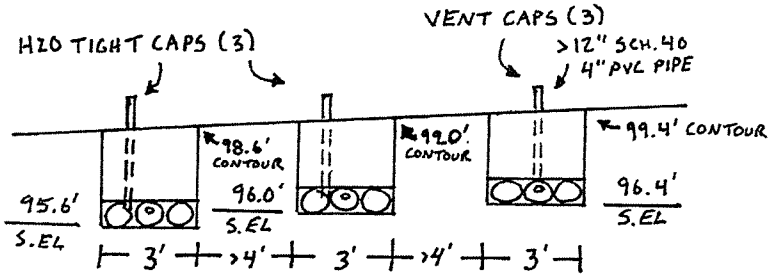
PLOT PLAN

Pg 3 of 7

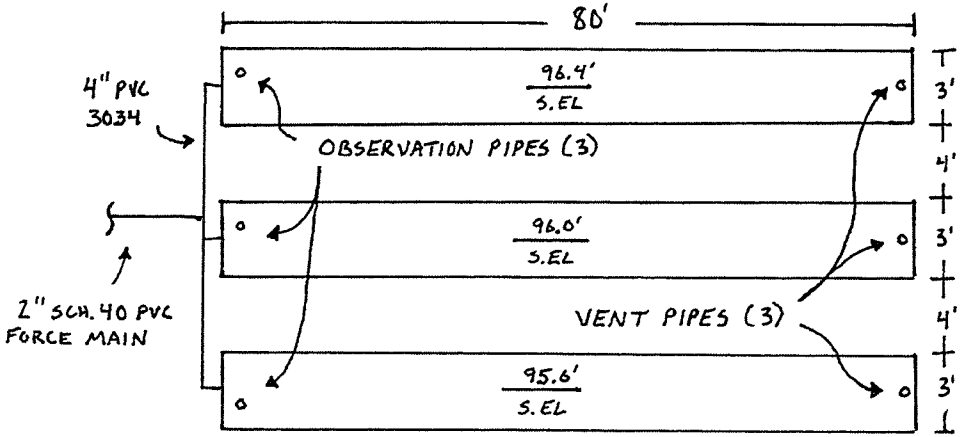
STEVEN J WURZER (N1211 EASTSIDE RD.)
NW.NE, 23, 37N, 11W
T. OF LONG LAKE, WASHBURN CO.



PLOT PLAN



CROSS-SECTION (NO SCALE)



PLAN VIEW (NO SCALE)

USE EZ-FLOW 1203H BUNDLES (1'x3'x10') = 24

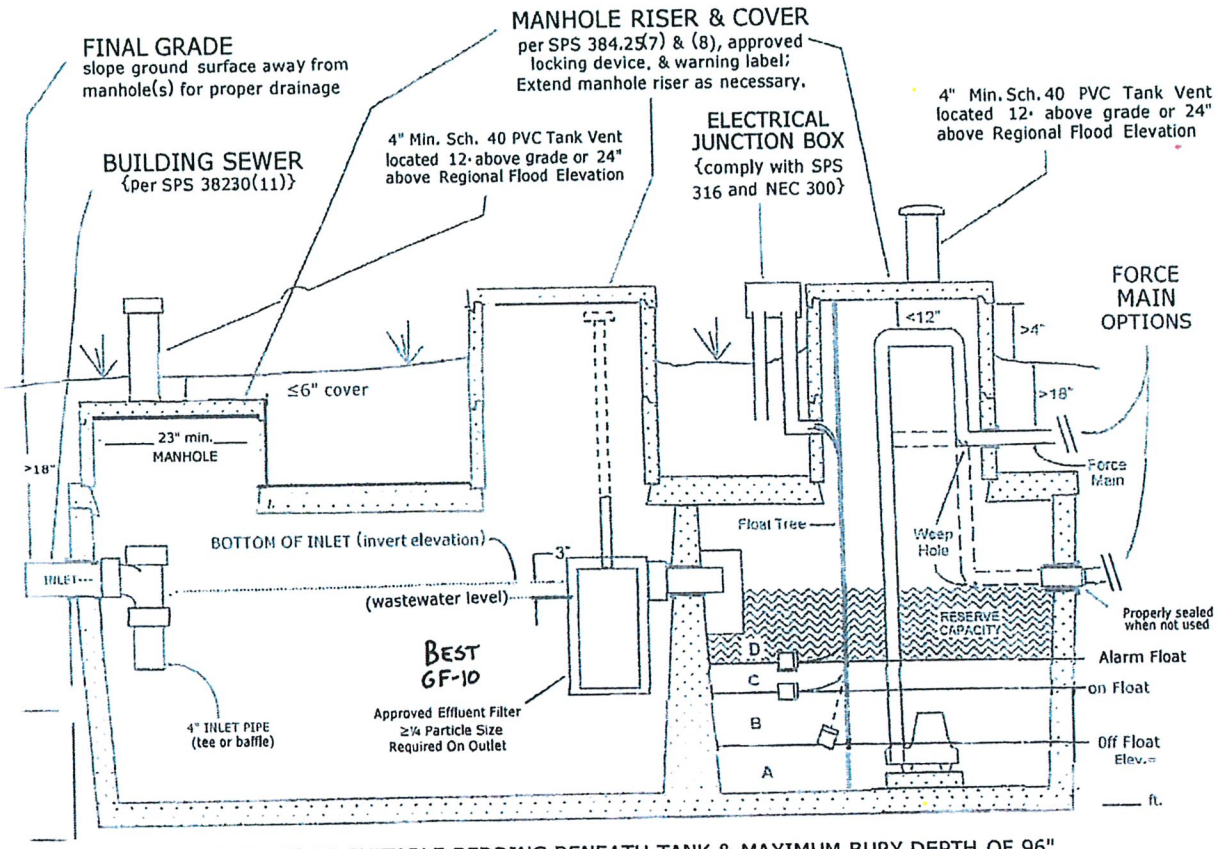
24 BUNDLES x 50.0 FT² = 1,200 FT² (TOTAL)

MIN. REQUIRED = 600 ÷ .7 = 857.2 FT²

MAX. INSTALL DEPTH = 52" BELOW GRADE

COMBINATION SEPTIC/DOSE TANK CROSS-SECTION

(DRAWING NOT TO SCALE)



MINIMUM OF 3" OF SUITABLE BEDDING BENEATH TANK & MAXIMUM BURY DEPTH OF 96"
Anchoring of tank may be required per SPS 383.43(8)(9)

Tank Manufacturer: WIESER
Septic/Pump Size: ~~1500/1000~~ 1585/950 gallons

Daily Wastewater Flow (DWF): 600 GPD
Number of daily doses: 5.4 (18.6%)

Alarm Manufacturer: SEPTRONICS
Model Number: SJJ1
Switch Type: MECHANICAL
Effluent Pump Manufacturer: ZOELLER
Model Number: 151

Minimum Discharge Rate: 20 GPM

Vertical lift (pump off to lateral invert) ..... 13.9 ft
System head (distal pressure – x 1.3 ft): – ft
235 ft Force main x 1.0 /100 friction factor 2.35 ft
Filter friction loss..... 0 ft
Total Dynamic Head (TOH): 16.25 ft

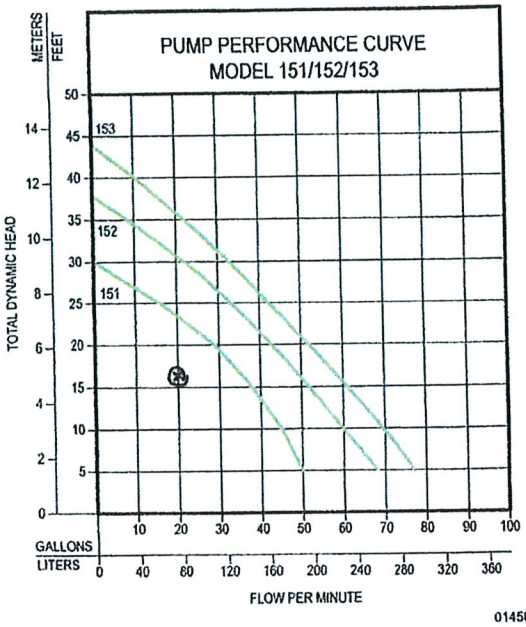
Force main volume: 235 ft x .163 gal/ft= 38.3 gal
Actual dose volume: 150 gal - 38.3 gal = 111.7 gal
(total dose volume - volume of force main)

DOSE TANK CAPACITIES:

Reserve above alarm 20 in = 500 gal(D)
Alarm float above on float 2 in= 50 gal(C)
On/Off float measurement 6 in= 150 gal(B)
Off above tank bottom 8 in= 200 gal(A)

DOSE TANK DIMENSIONS:

Length 15'3¼" in Width 8'5¼"
Outlet height 36 in in Gallons/inch 25



014508A

TOTAL DYNAMIC HEAD/FLOW
PER MINUTE
EFFLUENT AND DEWATERING

MODEL		151		152		153	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	50	189	69	261	77	291
10	3.0	45	170	61	231	70	265
15	4.6	38	144	53	201	61	231
20	6.1	29	110	44	167	52	197
25	7.6	16	61	34	129	42	159
30	9.1	–	–	23	87	33	125
35	10.7	–	–	–	–	22	85
40	12.2	–	–	–	–	11	42
Shut-off Head:		30 ft. (9.1m)		38 ft. (11.6m)		44 ft. (13.4m)	

014508B

CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Timed dosing panels available.
- Electrical alternators, for duplex systems, are available and supplied with an alarm.
- Variable level control switches are available for controlling single phase systems.
- Double piggyback variable level float switches are available for variable level long and short cycle controls.
- Sealed Qwik-Box available for outdoor installations. See FM1420.
- Over 130°F (54°C) special quotation required.

151/152/153 Series

151/152/153 MODELS				Control Selection	
Model	Volts-Ph	Mode	Amps	Simplex	Duplex
N151	115 1	Non	6.0	1	2 or 3
BN151	115 1	Auto	6.0	Included	2 or 3
E151	230 1	Non	3.2	1	2 or 3
BE151	230 1	Auto	3.2	Included	2 or 3
N152	115 1	Non	8.5	1	2 or 3
BN152	115 1	Auto	8.5	Included	2 or 3
E152	230 1	Non	4.3	1	2 or 3
BE152	230 1	Auto	4.3	Included	2 or 3
N153	115 1	Non	10.5	1	2 or 3
BN153	115 1	Auto	10.5	Included	2 or 3
E153	230 1	Non	5.3	1	2 or 3
BE153	230 1	Auto	5.3	Included	2 or 3

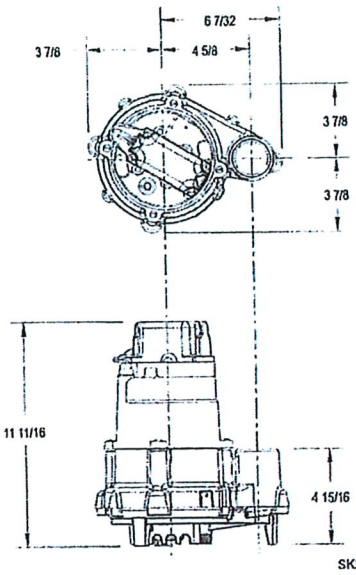
SELECTION GUIDE

1. Single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
2. See FM0712 for correct model of Electrical Alternator E-Pak.
3. Variable level control switch 10-0743 used as a control activator, specify duplex (3) or (4) float system.

⚠ CAUTION

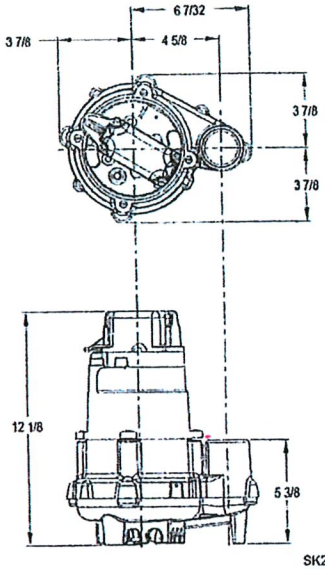
All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

Model 151

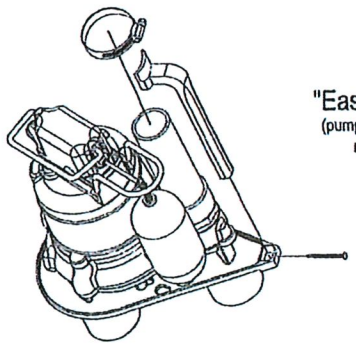


SK2444

Models 152 / 153



SK2064



"Easy assembly"
(pump & discharge pipe not included.)

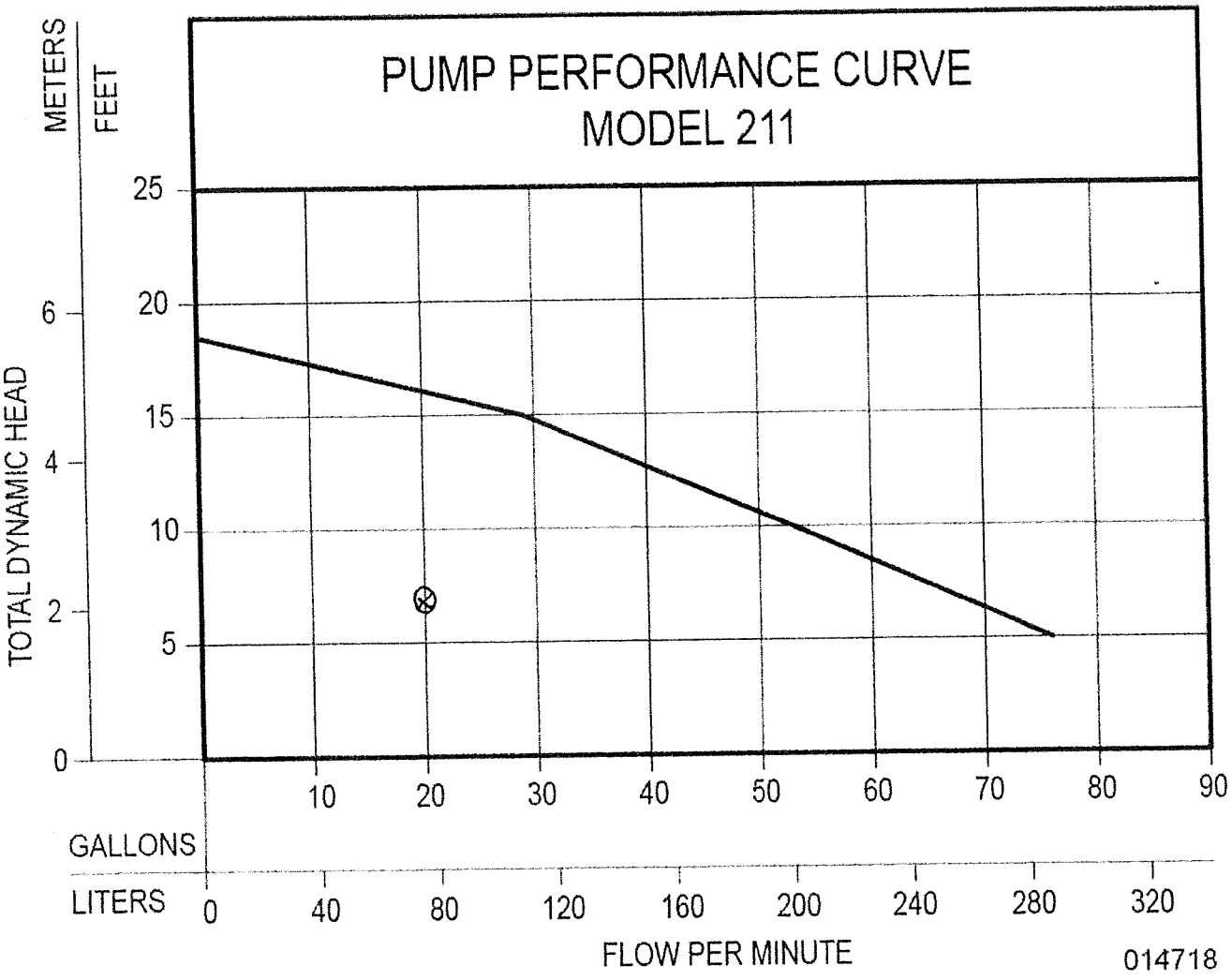
OPTIONAL PUMP STAND P/N 10-2213

- Reduces potential clogging by debris.
- Replaces rocks or bricks under the pump.
- Made of durable, noncorrosive ABS.
- Raises pump 2" off bottom of basin.
- Provides the ability to raise intake by adding sections of 1½" or 2" PVC piping.
- Attaches securely to pump.
- Accommodates sump, dewatering and effluent applications.

NOTE: Make sure float is free from obstruction.

RESERVE POWERED DESIGN

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


PUMP PERFORMANCE CURVE
MODEL 211
METERS
FEET
TOTAL DYNAMIC HEAD
25
20
15
10
5
6
4
2
0
10
20
30
40
50
60
70
80
90
GALLONS
LITERS
0
40
80
120
160
200
240
280
320
FLOW PER MINUTE
014718

POWTS OWNER'S MANUAL AND MANAGEMENT PLAN

FILE INFORMATION

Owner	STEVEN J WURZER
Permit #	

DESIGN PARAMETERS

Number of Bedrooms (100 gpd/bedroom)	4
Number of Commercial Units	—
Estimated flow (average)	400 gal/day
Design flow (DWF) = estimated x 1.5	600 gal/day
Soil Application Rate	.7 gal/day/ft^2
Influent/Effluent Quality (☐ NA) Fats. Oil & Grease (FOG) Biochemical Oxygen Demand (BOD_5) Total Suspended Solids (TSS)	Monthly Average ≤ 30 mg/L ≤ 220 mg/L ≤ 150 mg/L
Pretreated Effluent Quality (☒ NA) Biochemical Oxygen Demand (BOD_5) Total Suspended Solids (TSS) Fecal Coliform (geometric mean)	Monthly Average ≤ 30 mg/L ≤ 30 mg/L ≤ 10 cfu/100mL
Maximum Effluent Particle Size	1/8 inch diameter

SYSTEM SPECIFICATIONS

Septic Tank Capacity	1585 gal	☐ NA
Septic Tank Manufacturer	WIESER	☐ NA
Effluent Filter Manufacturer	BEST	☐ NA
Effluent Filter Model	GF-10	☐ NA
Pump Tank Capacity	965 gal	☐ NA
Pump Tank Manufacturer	WIESER	☐ NA
Pump Manufacturer	ZOELLER	☐ NA
Pump Model	151	☐ NA

Pretreatment Unit (☒ NA)
☐ Sand/Gravel Filter ☐ Peat Filter
☐ Mechanical Aeration ☐ Wetland
☐ Disinfection ☐ Other:
Manufacturer: Model:

Soil Absorption Component (☐ NA)
☒ In-ground (gravity) ☐ In-ground (pressurized)
☐ At-grade ☐ Mound
☐ Drip-line ☐ Other:

Vertical Distance Tank Bottom to Service Pad: 16 ft
Horizontal Distance Tank(s) to Service Pad: 10 ft

Dispersal Unit Mfg./Model Number: EZ FLOW 1203H BUNDLES ☐ NA

Calculations:

DWF	÷	Soil Application Rate	=	Dispersal Area Required	-	End Cap EISA	÷	(Dispersal Unit EISA) or (Trench Width)	=	# Units or Total Length of Trench(s)
600	÷	.7	=	857.2	-	—	÷	50.0 FT^2	=	24 BUNDLES 1200 FT^2 (TOTAL)

DESIGN CRITERIA

☐ "Design of Pressure Distribution Networks for Septic Tank-Soil Absorption Systems" Publication 9.6 (SSWMP Manual)
☐ "ICC Flowtech Mound Component Manual" Version 1.2
☐ "EZ Flow Mound Component Manual" Version 8/20/2007
☐ SBD - 10854-P (R.1/12) "At-Grade Component Manual Using Pressure Distribution" Version 2.0
☒ SBD - 10705-P (N.01/01) "In Ground Soil Absorption Component Manual" Version 2.0
☐ SBD - 10691-P (N.01/01) "Mound Component Manual" Version 2.0
☐ SBD - 10657-P (R.6/99) "Drip-line Effluent Disposal Component Manual"
☐ SBD - 10706-P (N.01/01) "Pressure Distribution Component Manual" Version 2.0
☐ Other:

MAINTENANCE MONITORING SCHEDULE - MAINTENANCE AND MANAGEMENT

Service Event	Service Frequency
Pump/inspect dispersal cell(s), clean filter	At least once every: ☒ 13 months ☒ 3 years ☐ Other:
Inspect pump & pump controls, alarm, pretreatment unit	At least once every: ☐ __ months ☒ 3 years ☐ NA
Flush and pressure test laterals	At least once every: ☐ __ months ☐ 3 years ☒ NA

START UP AND OPERATION: For new construction, prior to using the POWTS check treatment tank(s) for the 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. **System start up shall not occur when soil conditions are frozen at the infiltrative surface.**

The property owner is responsible for the operation and maintenance of the POWTS and submission of required reports. The quantity and quality of the wastewater stream 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, 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.

This system is designed to handle domestic strength wastewater; however, the disposal of food based greases, oils, vegetable/fruit peels, seeds, bones, and food solids, such as those produced by 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, solvents, etc., should not be flushed into the system because they can seriously damage your POWTS and contaminate your

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

INSPECTIONS & MAINTENANCE: Inspection shall be made by an individual 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). Tank inspections must include a visual inspection of the tank to identify any missing or broken hardware, identify any cracks or leaks, measure the volume of combined sludge and scum and check for any backup or ponding of effluent to the ground surface and test all electrical equipment such as pumps and alarms. Any defects shall be promptly corrected. Exposed openings greater than 8 inches in diameter shall be secured with effective locking devices to prevent accidental or unauthorized entry the tanks.

When the combination of sludge and scum in any tank exceeds one-third (1/3) or more of the tank volume, the entire contents of the tank shall be removed by a Septage Servicing Operator and disposed of in accordance with Ch. NR 113, Wisconsin Admin. Code. Specific servicing mechanics must be provided if vertical is >15 feet or if horizontal is >150 feet and instructions to be provided below.

The outlet filter(s) shall be inspected and cleaned to remove any accumulated solids according to manufacturer's specifications. Solids washed from the filter shall be retained in the tank. Filter cleaning may be necessary at more frequent intervals than stated in the maintenance schedule to keep the system operating.

Alarms should be tested on a regular basis by the home owner. If an alarm sounds, contact an individual licensed to service POWTS, There is normally a 1 day reserve under regular operating conditions, however water should be conserved until any problems with the system are corrected to prevent back-up of sewage into the dwelling or surfacing.

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 Admin. Code:

- All piping to tanks and pits shall be disconnected and the abandoned pipe openings sealed.
- The contents of all tanks and pits shall be removed and properly disposed of by 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:

- ☐ 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, lot lines and wells. Failure to protect the replacement area renders it unusable. Replacement systems must comply with the rules in effect at the time of replacement.
- ☐ 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.
- ☐ Mound and at-grade soil absorption systems may be reconstructed in place following removal of the biomat at the infiltrative surface. Reconstructions of such systems must comply with the rules in effect at that time.

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

ADDITIONAL COMMENTS: ZOELLER Z11 SEWAGE PUMP TO BE INSTALLED IN HOLDING TANK.
LINES UNDER DRIVING SURFACES <50" BELOW GRADE TO BE INSULATED.

POWTS INSTALLER

Name: TYLER GUNDERSON MP-1083199
Phone: (715) 225-2861

POWTS MAINTAINER

Name: GUNDERSON PLUMBING & CONCRETE
Phone: (715) 225-2861

SEPTAGE SERVICING OPERATOR (Pumper)

Name:
Phone:

LOCAL REGULATORY AUTHORITY

Name: WASHBURN CO. ZONING
Phone: (715) 468-4690

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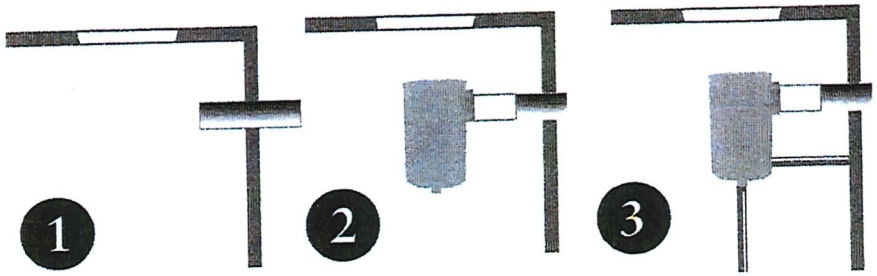
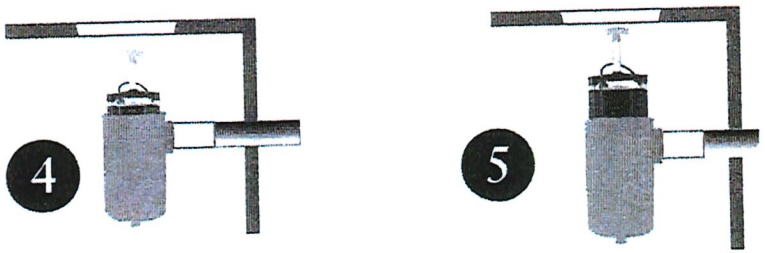
Installation Instructions for the GF10 Filter



Step 1: Locate and remove the septic tank cover, on the outlet side of tank.

Step 2: Before installation, place the filter case on to the outlet pipe. Make sure the case is positioned so the filter can be removed from the tank for maintenance and service

Step 3: For installations that require or desire additional support. (If additional support is not needed, go to Step 4) Glue a section of 1" Sch. 40 pipe to the two hubs located on the bottom of the case and the hub located on the side of the case.



Step 4: Glue the filter case onto the outlet pipe. Insert the filter cartridge into the case. (Make sure the filter is completely inserted into the case.)

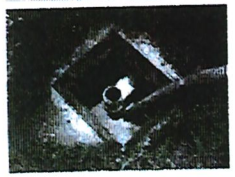
Step 5: For installations where it will be difficult to reach the handle, place 1" Schedule 40 pipe into the tee on the handle and extend it to height that will make it easy to remove the filter.

BEST TECHNOLOGY

Installation of an existing system. **Same as a new system only the septic tank must be pumped prior to installation.**

Maintenance of the GF10 Filter

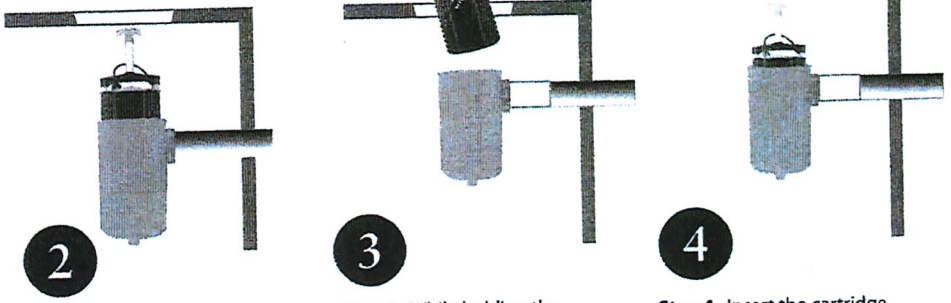
A time frame in which septic tanks are serviced is set by state and local codes. Although they may be different, most regulatory agencies suggest two to five years. We recommend the GF10 filter be cleaned when the septic tank is normally cleaned and pumped, or as needed.



WARNING: If the liquid level in the tank is above the top of the filter, pump the tank prior to removing the filter cartridge.

1 CAUTION: USE RUBBER GLOVES WHEN HANDLING FILTERS!

Step 1: Remove the septic tank cover and pump the tank if necessary to prevent any solids from escaping to the field when the filter is removed.



Step 2: Pull the filter handle and slide the filter out of the case.

Step 3: While holding the filter cartridge over the access opening of the tank, rinse the cartridge off with fresh water. Take care to make sure all solid material falls back into the tank

Step 4: Insert the cartridge back into the case making sure that it is properly aligned and completely inserted into the case.

BEST TECHNOLOGY

3 Fairfield Blvd, Wallingford, CT 06492
1-877-765-9565 Fax: 203-284-8514

Wisconsin Department of Safety and Professional Services
Division of Industry Services

RECEIVED
APR 19 2021
WASHBURN COUNTY
ZONING ADMIN

SOIL EVALUATION REPORT

In accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 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.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County	WASHBURN
Parcel I.D.	65-026-2-37-11-23-5 05-003-003000
Reviewed by	Date

Property Owner: STEVEN J WURZER	Property Location: Govt. Lot NW 1/4 NE 1/4 S 23 T 37 N R 11 ☐ E (or) ☒ W		
Property Owner's Mailing Address: N1211 EASTSIDE RD.	Lot #	Block #	Subd. Name or CSM#
City: BIRCHWOOD | State: WI | Zip Code: 54817 | Phone Number: ( )	☐ City ☐ Village ☒ Town: LONG LAKE	Nearest Road: EASTSIDE RD.	

☒ New Construction ☐ Replacement
Use: ☒ Residential / Number of bedrooms 3 ☐ Public or commercial - Describe:
Code derived design flow rate 450 GPD
Parent material: LOESS OVER OUTWASH
Flood Plain elevation if applicable N/A ft.

General comments and recommendations: RECOMMEND INGROUND POWTS, RECOMMEND OVERSIZING FOR HOSTING LARGE EVENTS. 3-5% SLOPE, OPEN GRASS LAWN

1 Boring # ☐ Boring ☒ Pit Ground surface elev. 99.2 ft. Depth to limiting factor >89 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-10	10YR 4/3	-	SIL	2 m GR	mvfr	cs	2 vf	.6	.8
2	10-15	7.5YR 4/4	-	LS	sg	mvfr	as	1 vf	.7	1.6
3	15-20	10YR 3/2	-	SIL	2 m SBK	mvfr	cs	—	.6	.8
4	20-89	7.5YR 4/4	-	GRVL LS+FS 1-5%	sg	mvfr	—	—	.7	1.6

2 Boring # ☐ Boring ☒ Pit Ground surface elev. 98.2 ft. Depth to limiting factor >88 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-8	10YR 4/3	-	SIL	2 m GR	mvfr	cs	2 vf	.6	.8
2	8-13	10YR 3/2	-	SIL	2 m SBK	mvfr	cs	1 vf	.6	.8
3	13-17	10YR 4/4	-	GRVL 0-5% SIL	2 m SBK	mvfr	gs	—	.6	.8
4	17-88	7.5YR 4/4	-	GRVL LS+FS 1-5%	sg	mvfr	—	—	.7	1.6

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print): Arik Wruck	Signature		CST Number
Address: 1518 Glenn Pl. Eau Claire, WI, 54703 (715) 225-1906 CST - 092000015		Date Evaluation Conducted: 3/30/2021	Telephone Number

SBD-8330 (R07/13)

Property Owner STEVEN J WURZER Parcel ID # 65-026-2-37-11-23.5 05-003-003000 Page 2 of 4

3 Boring # ☐ Boring ☒ Pit Ground surface elev. 97.2 ft. Depth to limiting factor >90 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-7	10YR 4/3	—	SIL	2 m GR.	mvfr	cs	2 vf	.6	.8
2	7-10	7.5YR 4/4	—	LS	sg	mvfr	as	1 vf	.7	1.6
3	10-14	10YR 3/3	—	SL	1 f PL	mvfr	as	—	.4	.6
4	14-90	7.5YR 4/4	—	GRVL LS+FS 1-5%	sg	mvfr	—	—	.7	1.6

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

Pg 3 of 4

PLOT PLAN

PROJECT NAME: STEVEN J WURZER (N1211 EASTSIDE RD.)

PROJECT LOCATION: NW, NE, 23, 37N, 11W

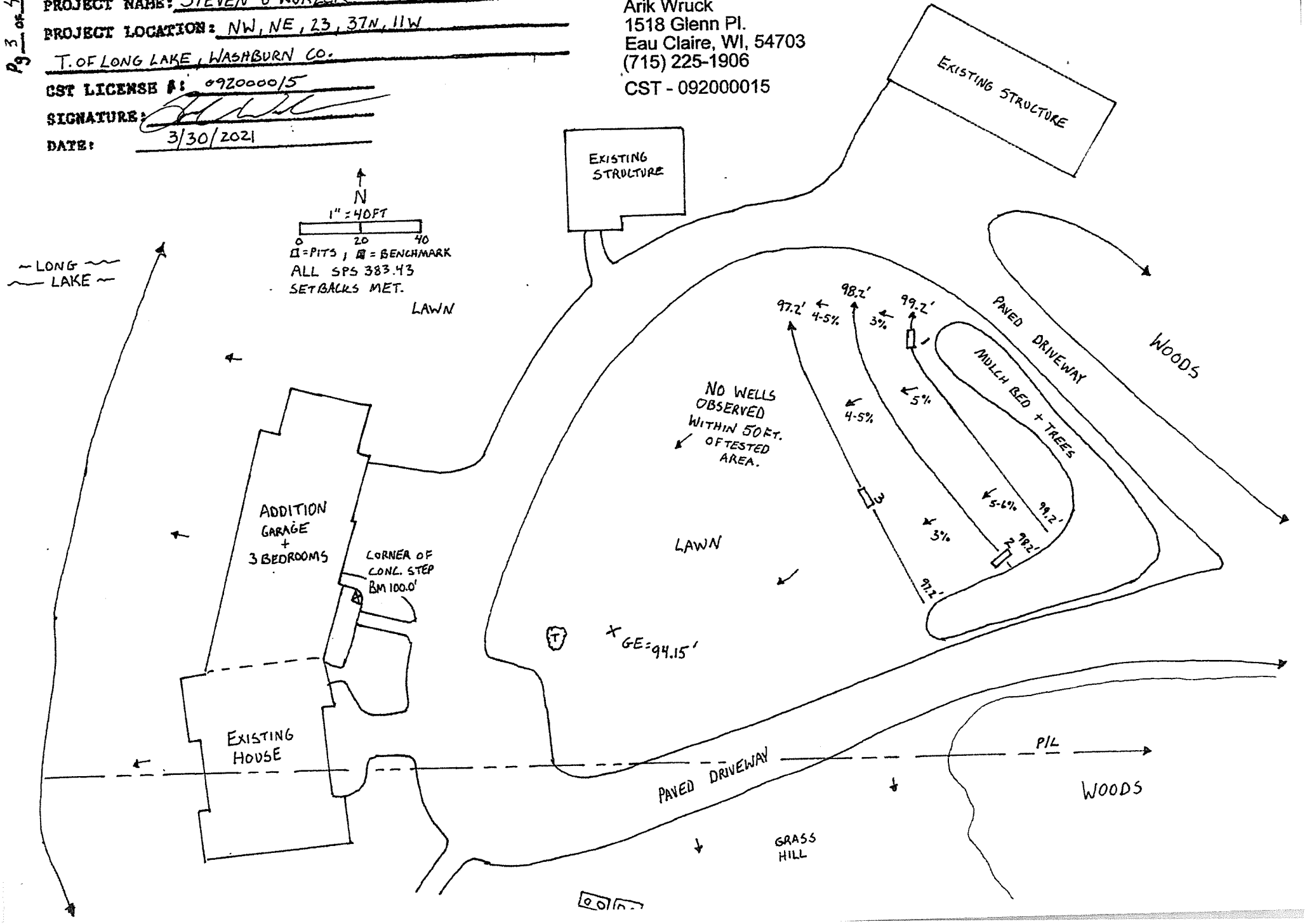
T. OF LONG LAKE, WASHBURN CO.

CST LICENSE #: 0920000/5

SIGNATURE:

DATE: 3/30/2021

Arik Wruck
1518 Glenn Pl.
Eau Claire, WI, 54703
(715) 225-1906
CST - 092000015




N
0 50 100 150ft
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conclusions drawn are the responsibility of the
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