PRIVATE SEWAGE SYSTEM INSPECTION REPORT for **Dunn** County

Name	Jesse Smith	
Address	N2566 County Rd C	
City	Elmwood	
State & Zip	WI	54740

PLUMBER:	CST:
Darrell Frazer	Arik Wruck

Property Address/City	N3840 State Rd 25
Town of	Menomonie
Legal	NW-SE 14 27-13
Subdivision	
CSM #	Lot 2 CSM 4777
Sanitary permit #	**651144**
State Plan ID #	PWTS-052300715-C
Parcel tax #	1701622713144200010
Computer #	

GENERAL INFORMATION

CST BM Elev.: 100	Insp. BM Elev.: 100
Top of Well	

ELEVATION DATA

STATION	ELEVATION	ELEVATION
Benchmark		100
Bldg. Sewer		92.64
St/Ht Inlet		91.77
Pump Pad		88.90
St/Ht Outlet		
Header/Manifold		
Lateral		98.97
System Elevation		98.55
Grade/Contour		96.50
Well		

TANK INFORMATION

TYPE	MANUFACTURER	CAPACITY
Septic	Skaw	750
Dosing	Combo	500

TANK SETBACK INFORMATION

TYPE	P/L	WELL	BLDG	VENT TO AIR INTAKE
Septic	18'	100'	>70'	>70'
Dosing	18'	100'	>70'	

PUMP/SIPHON INFORMATION

Manuf/Model #	Liberty 283		
Lift 10.07'	Friction Loss 0.18	System Head 3.25	TDH Ft. 13.5
Forcemain	Length 13'	Dia 2"	Dist. to Well >75'

SOIL ABSORPTION SYSTEM

Dispersal Cell Information	Width 6'	Length 50'	No. of Cells 1		
Setback	Type of System	P/L	Bldg	Well	Lake/Stream
Information	Mound (Rock)	18'	>60'	103'	

DISTRIBUTION SYSTEM

Header/Manifold	Distribution pipe(s)	X Hole Size	X Hole Spacing
Length 3' Dia. 1.5"	Length 48' Dia. 1.5" Spacing 3'	3/16"	3'

WI FUND: _____Yes ___X___ No _____ Maybe COMMENTS:

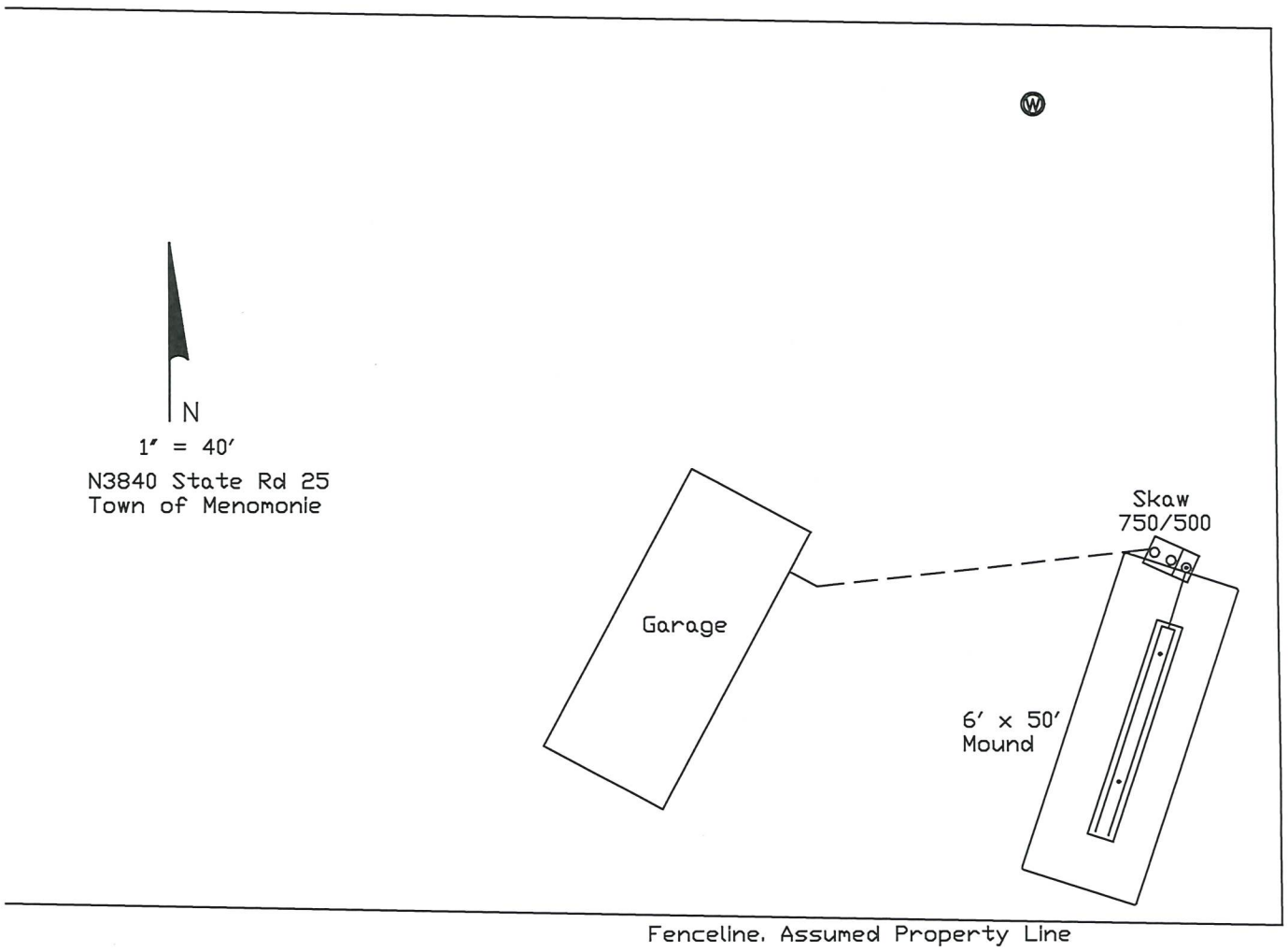
New House/Double Wide	X
New Mobile Home	
New Other	
Replace/Repair/Reconnect	

-Building sewer and tank buried prior to inspection
-Dwelling not onsite at time of inspection

6/27/2023
Date

Inspector's Signature

1360690
Cert. No.


N
1" = 40'
N3840 State Rd 25
Town of Menomonie
Garage
Skaw
750/500
6' x 50'
Mound
Fenceline, Assumed Property Line

DUNN COUNTY

Parcel #: 170162271314420010

Alternate#: N/A

STATE * SANITARY PERMIT

No. 651144

New Mound – N3840 State Rd 25

OWNER Jesse Smith, N2566 County Rd C Elmwood, WI 54740

PLUMBER Darrell Frazer **LICENSE #** 221071

TOWN OF Menomonie **LOCATED** NW-SE

SECTION 14 **T** 27 **N – R** 13 **W**

AND/OR LOT 2 **BLOCK** _____

CSM #4777 **SUBDIVISION/CSM**

CHAPTER 145.135 WISCONSIN STATUTES

(a) The purpose of the sanitary permit is to allow installation of the private sewage system described in the application for permit.

(b) The approval of the sanitary permit is based on regulations on force on the date of issue.

(c) The sanitary permit is valid 2 years from original date of issuance and may be renewed for similar periods thereafter. Application for renewal shall be made through the county and shall comply with regulations in effect at the time.

(d) Changed regulations will not impair the validity of a sanitary permit until the time of renewal.

(e) Renewal of the sanitary permit will be based on regulations in force at the time renewal is sought. Changed regulations may impede renewal.

(f) The sanitary permit is transferable. A sanitary permit transfer shall be obtained from the county authority.

* If you wish to renew the permit, or transfer ownership of the permit please contact the county authority.

_____ **AUTHORIZED ISSUING OFFICER** **DATE** 5/22/2023

(2-Bedroom House)

THIS PERMIT EXPIRES 5/21/2025 **UNLESS RENEWED PRIOR TO THAT DATE**

(TWO YEARS FROM THE ORIGINAL DATE OF ISSUANCE)

PLACE VISIBLE FROM THE ROAD FRONTING THE LOT DURING CONSTRUCTION

SBD-6499(R. 9/16)

RECEIVED MAY 15 2023

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

County: DUNN

Sanitary Permit Number (to be filled in by Co.): 651144

Sanitary Permit Application

State Transaction Number: PWTS-052300715-C

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): (N3840 WI-25)

I. Application Information – Please Print All Information

Property Owner's Name: JESSIE SMITH

Parcel #: 170162271314420010

Property Owner's Mailing Address: N2566 CR-C

Property Location: Govt. Lot ____ NW ¼, SE ¼, Section 14 (circle one) T 27 N; R 13 E or (W)

City, State	Zip Code	Phone Number
ELMWOOD WI	54740	(715) 317-0422

Subdivision Name: 4777

II. Type of Building (check all that apply)

- [x] 1 or 2 Family Dwelling – Number of Bedrooms: 2
- [ ] Public/Commercial – Describe Use: ____
- [ ] State Owned – Describe Use: ____

Lot #: 2

Block #: ____

CSM Number: 4777

- [ ] City of
- [ ] Village of MENOMONIE
- [x] Town of

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

A.	[x] 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
- [x] 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
300	.4	750.0	880	98.42'

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	750		750	1	SKAW	X				
Dosing Chamber	500		500	1	SKAW	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
DARRELL FRAZER		MP-221071	(715) 288-6225

Plumber's Address (Street, City, State, Zip Code): 16317 160TH ST., BLOOMER, WI, 54724

VIII. County/Department Use Only

		Permit Fee	Date Issued	Issuing Agent Signature
[x] Approved	[ ] Disapproved [ ] Owner Given Reason for Denial	$540.00	5/22/2023	

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

Wisconsin Department of Safety and Professional Services
Division of Industry Services
4822 Madison Yards Way
PO Box 7302
Madison, WI 53707

Phone: 608-266-2112
Web: http://dsps.wi.gov
Email: dsps@wisconsin.gov

Tony Evers, Governor
Dan Hereth, Secretary

May 9, 2023

CUST ID NO.: 221071
DARRELL FRAZER
16317 160TH ST
BLOOMER, WI 54724

Identification Numbers
Plan Review No.: PWTS-052300715-C
Application No.: DIS-042319420
Site ID No.: SIT-115181
Please refer to all identification numbers in each correspondence with the Department.

CONDITIONAL APPROVAL

PLAN APPROVAL EXPIRES: 05/09/2025

MUNICIPALITY:
TOWN OF MENOMONIE
DUNN COUNTY

SITE:
SMITH SEPTIC
N3842 WI-25
MENOMONIE, WI 54751
NW SE S14 T27N R13W CSM 4777 LOT 2

FOR:
Design Wastewater Flow Value: 200
Bedrooms: 2
Limiting Factor(s): 13"
Maintenance Required: Effluent Filter

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES

Travis Wagner

SEE CORRESPONDENCE
Mound Component Manual - Version 2.1 (May 2022-2027)

SITE REQUIREMENTS

- A full-size copy of the approved plans, specifications, and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. A Department electronic stamp and signature shall be on the plans which are used at the job site for construction.

The following conditions shall be met during construction or installation and prior to occupancy or use:

- **It is recommended to fence off the dispersal area prior and during construction to avoid disturbance, compaction and use of the site.**
- **With new construction, it is recommended not to activate the pump in the dose tank until the tanks are pumped prior to homeowner occupancy.**
- **Wastewater generated from contractors cleaning equipment and tools and/or left-over construction products shall not be discharged into the drains discharging to the private onsite wastewater treatment system (POWTS). Waste generated shall be properly disposed of on-site or off site.**
- **Any tall grasses, leaves and shrubs** shall be cut short and removed prior to tilling the surface for installation to prevent matting under the dispersal area.
- **Prior to construction of the dispersal area, check the moisture content** of the soil to a depth of 8 inches. Smearing and compacting wet soil will result in reducing the infiltration capacity of the soil. Proper soil moisture content can be determined by rolling a soil sample between the hands. If it rolls into a 1/4- inch wire, the site is too wet to prepare. If it crumbles, site preparation can proceed. If the site is too wet to prepare, do not proceed until it dries.
- **Electrical connections shall comply with SPS 316.300 and NEC 300**
- **All piping shall conform to SPS Table 384.30-3 and SPS Table 384.30-5**

OWNER RESPONSIBILITIES

- The current owner, and each subsequent owner, shall receive a copy of this letter including instructions relating to proper use and maintenance of the system. Owners shall receive a copy of the appropriate operation and maintenance manual and/or owner's manual for the POWTS described in this approval and Wis. Admin. Code § SPS 383.54(1).
- In the event this soil absorption system or any of its component parts malfunctions so as to create a health hazard, the property owner must follow the contingency plan as described in the approved plans.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been CONDITIONALLY APPROVED. This system is to be constructed and located in accordance with the enclosed approved plans and with any component manual(s) referenced above. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements.

No person may engage in or work at plumbing in the state unless licensed to do so by the Department per s.145.06, stats.

All permits required by the state, or the local municipality shall be obtained prior to commencement of construction/installation/operation.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

Inquiries concerning this correspondence may be made to me at the contact information listed below, or at the address on this letterhead.

Sincerely,

Travis Wagner

Travis Wagner

Division of Industry Services
Phone: 608-598-0715
Email: travis.wagner@wisconsin.gov

Fee Required: $250.00
Fee Received: $250.00
Balance Due: $0.00
Refund Expected: $0.00

Private Onsite Wastewater Treatment System

Index and Title Page

Project Name: JESSIE SMITH - 2 BDRM MOUND POWTS *Conditionally* (NEW)

Owner's Name: JESSIE SMITH **APPROVED**

Owner's Address: N2566 CR-C **DEPT. OF SAFETY AND PROFESSIONAL SERVICES**

ELMWOOD, WI. 54740 **DIVISION OF INDUSTRY SERVICES**

Travis Wagner

Legal Description: NW, SE, 14, 27N, 13W

Municipality: Town, Village, City of MENOMONIE **SEE CORRESPONDENCE**

County: DUNN

Lot Number: 2 Block Number: _____ CSM Number: 4777

Subdivision Name: (N3840 WI-25)

Parcel I.D. Number: 1701622713144200010

Name of Designer: DARRELL FRAZER License #: MP-221071

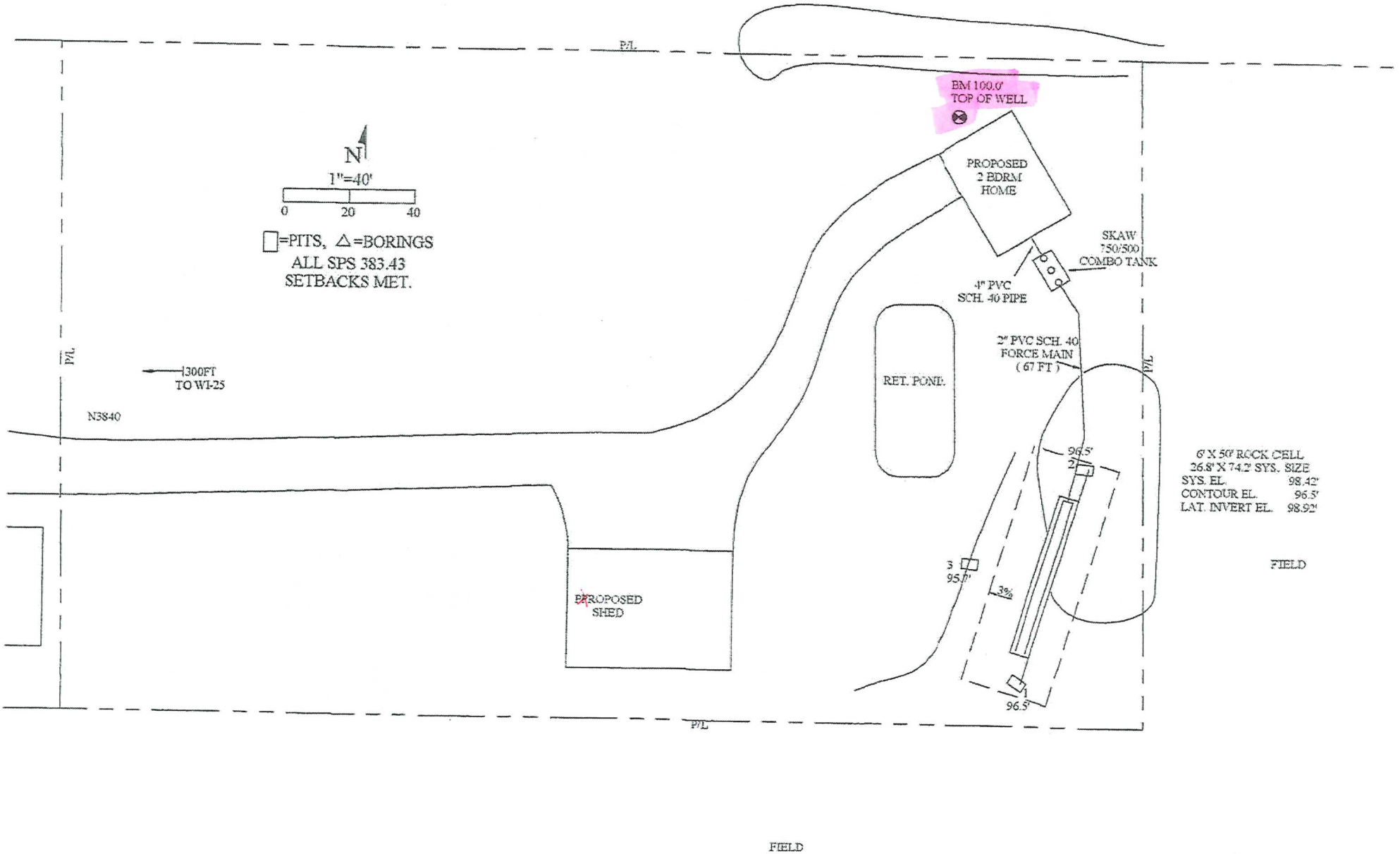
Signature: [signature] Date: 4/25/23

Designed pursuant to the following POWTS Component Manual and DSPS 381-385:
"Mound Component Manual for POWTS" Version 2.1 (May 2022-2027)
"Pressure Distribution Component Manual for POWTS" Version 2.1 (May 2022-2027)
Attachment: Soil Evaluation Report

JESSE SMITH (N3840 WI-25)
T. OF MENOMONIE, DUNN CO.
NW, SE, 14, 27N, 13W

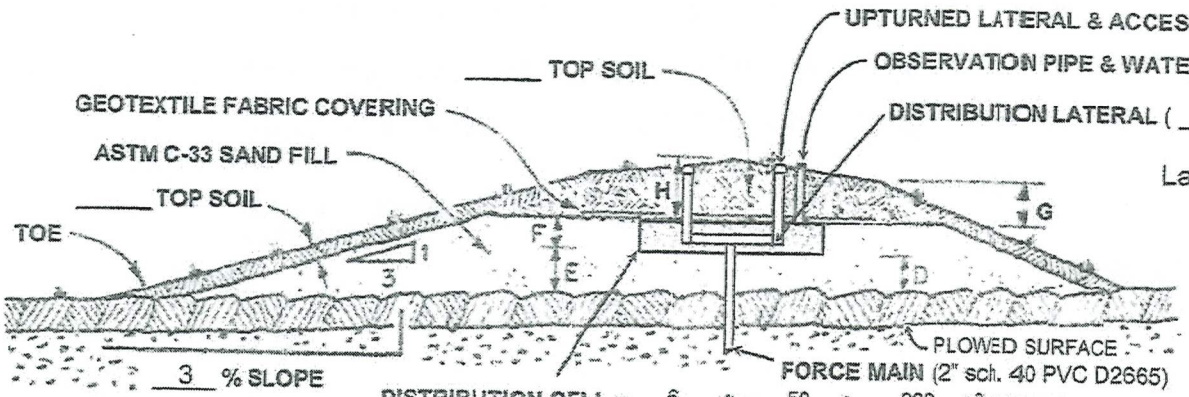
PLOT PLAN

Darrell Frazer
CST 221071
4/25/23



D = 1.92 ft
E = 2.1 ft
F = .9 ft
G = .5 ft
H = 1.1 ft

CROSS-SECTION OF MOUND



Lateral Invert El.= 98.92 ft

System El.= 98.42 ft

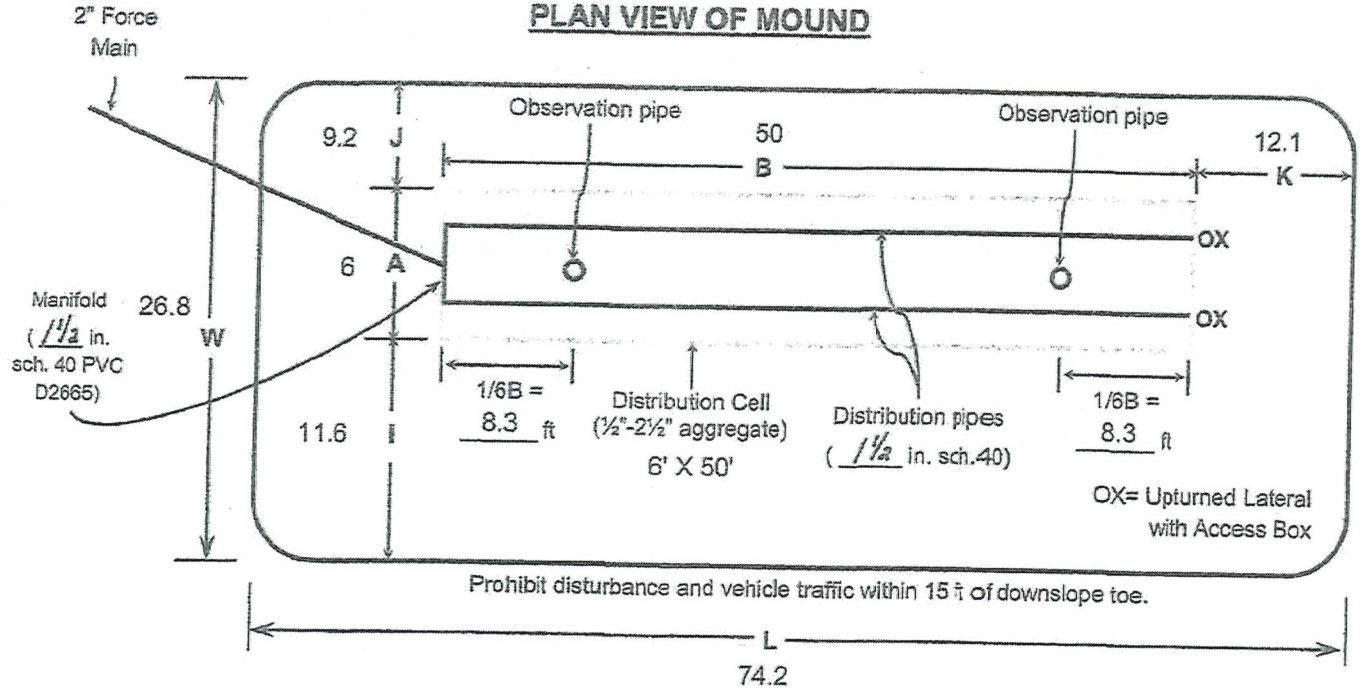
Contour El.= 96.5 ft

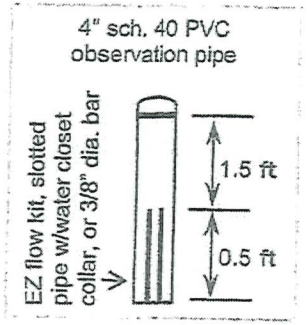
DISTRIBUTION CELL = 6 ft x 50 ft = 300 ft² (½"-2½" aggregate)

Min. Required = 300 ÷ 1.0 = 300 ft²

A = 6 ft
B = 50 ft
I = 11.6 ft
J = 9.2 ft
K = 12.1 ft
L = 74.2 ft
W = 26.8 ft

PLAN VIEW OF MOUND





Basal Area = 50 ft x 17.6 ft = 880 ft²

Min. Required = 300 ÷ 0.4 = 750 ft²

PIPE LATERAL LAYOUT OF MOUND

(End Manifold with Aggregate)

HOLE DIAMETER = 3/16 in.

LATERAL DIA. = 1½ in.

MANIFOLD DIA. = 1½ in. } (sch. 40 PVC pipe D2665)

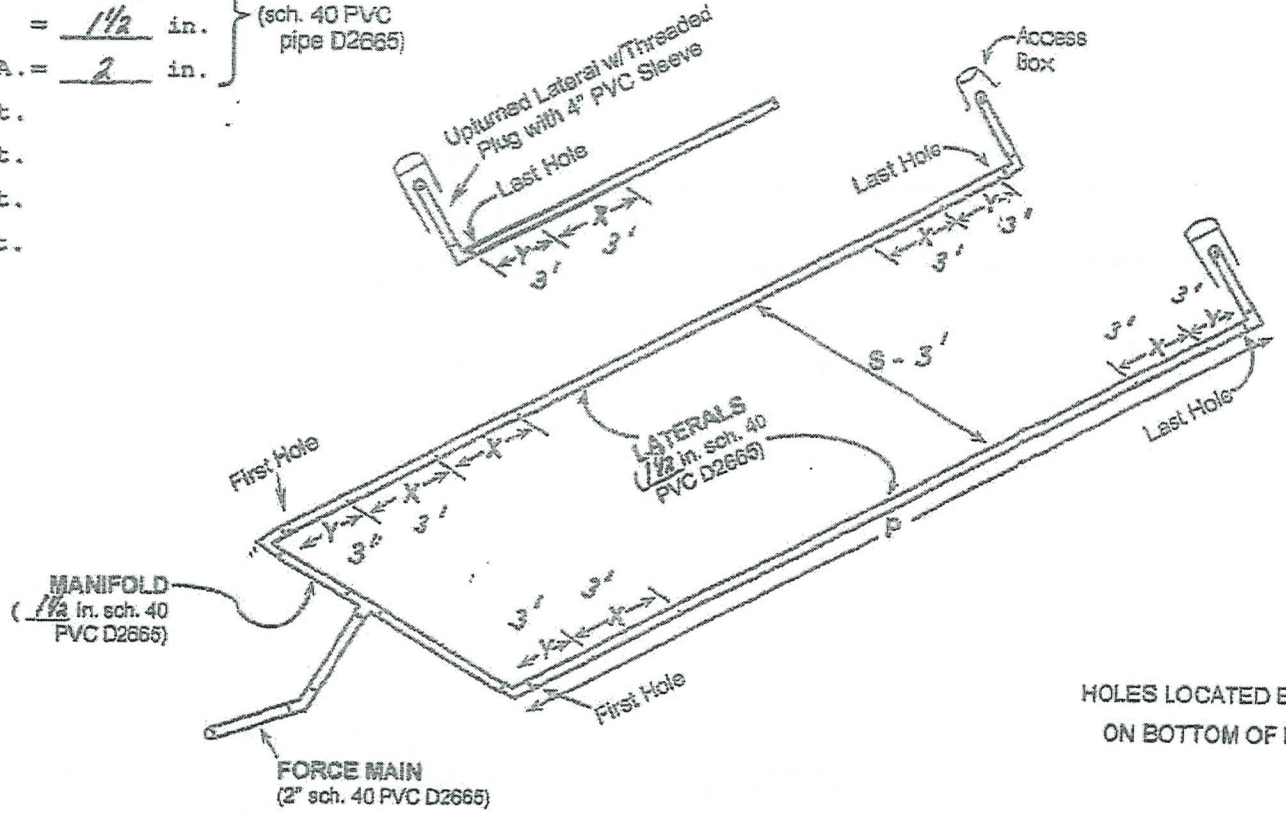
FORCE MAIN DIA. = 2 in.

P = 48 ft.

S = 3 ft.

X = 3 ft.

Y = 3 ft.



HOLES LOCATED EVENLY ON BOTTOM OF PIPE.

Minimum Number of Holes = 300 ft² ÷ 12 = 25 Holes

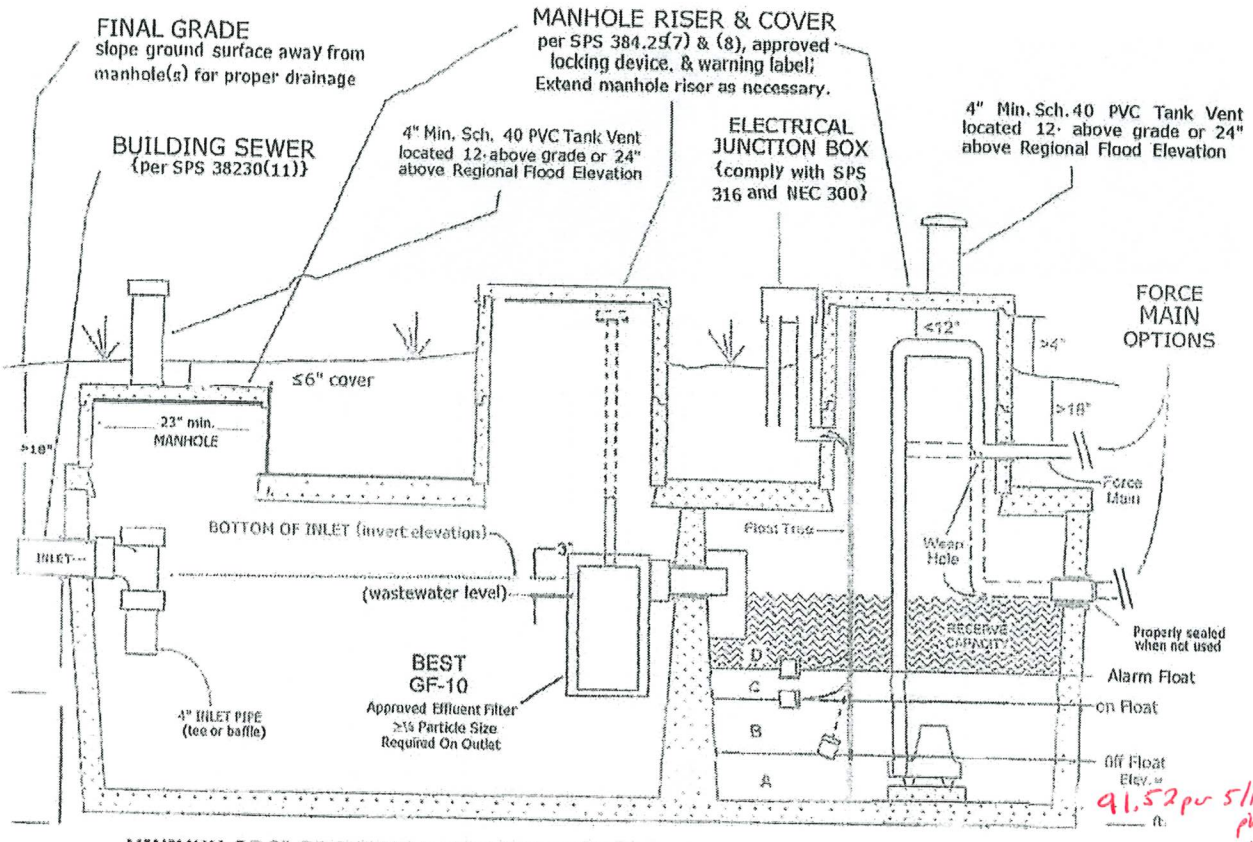
17 Holes/Lateral x 2 Laterals = 34 (3/16") Holes x 0.66 gpm / (3/16") Hole = 22.44 GPM = **SYSTEM FLOW RATE**

PIPE VOLUME = 96' ft. Laterals (total) x 0.092 gal/ft. = 8.8 x 5 = 44 GAL = **MINIMUM DOSE VOLUME**

PIPE INVERT ELEVATION = 98.92 ft.

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: SKAW
Septic/Pump Size: 750 / 500 gallons

Daily Wastewater Flow(DWF): 300 GPD
Number of daily doses: 5.1 19.6%

Alarm Manufacturer: SJE RHOMBUS
Model Number: TANK ALERT 1
Switch Type: MECHANICAL
Effluent Pump Manufacturer: LIBERTY
Model Number: 283-2

Minimum Discharge Rate: 22.44 GPM

Vertical lift (pump off to lateral invert) ..... 7.4 ft
System head (distal pressure 2.5 x 1.3 ft): 3.25 ft
67 ft Force main x 1.4 /100 friction factor 0.94 ft
Filter friction loss..... 0.0 ft
Total Dynamic Head (TOH): 11.6 ft

Force main volume: 67 ft x 0.163 gal/ft= 10.9 gal
Actual dose volume: 69.7 gal - 10.9 gal = 58.8 gal
(total dose volume - volume of force main)

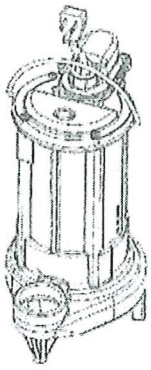
DOSE TANK CAPACITIES:

Reserve above alarm 21.1 in = 300.3 gal(D)
Alarm float above on float 2 in= 28.5 gal(C)
On/Off float measurement 4.9 in= 69.7 gal(B)
Off above tank bottom 8 in= 113.8 gal(A)

DOSE TANK DIMENSIONS:

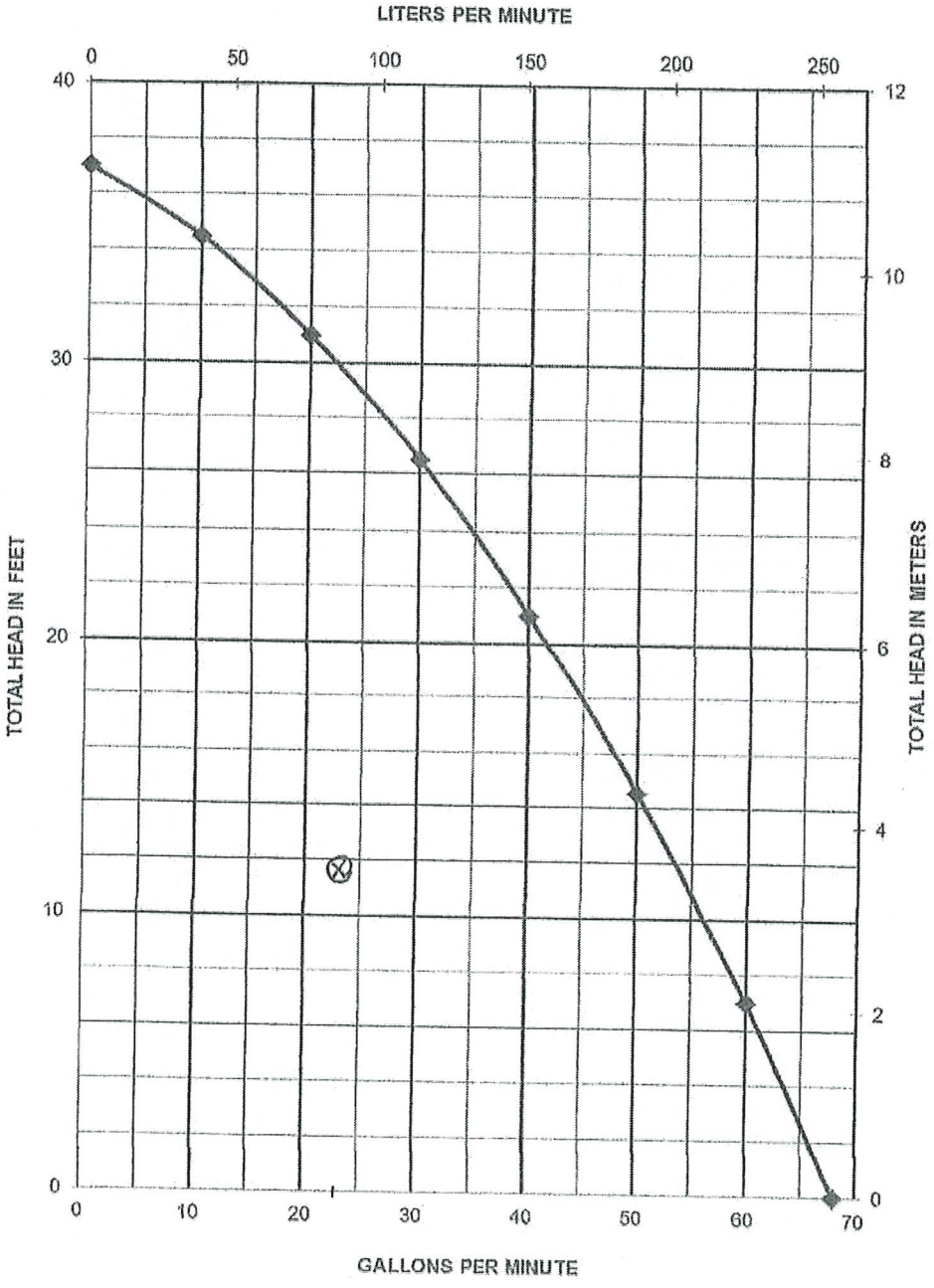
Length 130 in Width 77
Outlet height 36 in in Gallons/inch 14.23

Liberty Pumps®



Pump Specifications

280 Series 1/2 hp Submersible Effluent Pump



Liberty Pumps

POWTS OWNER'S MANUAL AND MANAGEMENT PLAN

FILE INFORMATION

Owner	JESSIE SMITH
Permit #	651144

DESIGN PARAMETERS

Number of Bedrooms	2	
Number of Commercial Units		
Estimated flow (Ave) (100 gpd/bedroom)	200	gpd
Design flow (DWF) = estimated x 1.5	300	gpd
Soil Application Rate	1.0	gpd/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	750	gal ☐ NA
Septic Tank Manufacturer	SKAW	☐ NA
Effluent Filter Manufacturer	BEST	☐ NA
Effluent Filter Model	GF-10	☐ NA
Pump Tank Capacity	500	gal ☐ NA
Pump Tank Manufacturer	SKAW	☐ NA
Pump Manufacturer	LIBERTY	☐ NA
Pump Model	283-2	☐ 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: 5 ft
Horizontal Distance Tank(s) to Service Pad: 50 ft

Dispersal Unit Mfg./Model Number: _____ ☐ 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)
300	÷ 1.0	= 300.0	- 0	÷ 6 FT	= 50 FT

300 SQFT (TOTAL)

DESIGN CRITERIA

☐ "At-Grade Component Manual for POWTS" (Pressure or Gravity. Version 3.0 (May 2022-2027)
☐ "Design of Pressure Distribution Networks for Septic Tank-Soil Absorption Systems." Publication 9.6 (SSWMP Manual)
☐ "EZ Flow Mound Component Manual" Version 12/15/2017 (April 2018-2023)
☐ "In-Ground Soil Absorption Component Manual for POWTS" Version 2.1 (May 2022-2027)
☒ "Mound Component Manual for POWTS" Version 2.1 (May 2022-2027)
☒ "Pressure Distribution Component Manual for POWTS." Version 2.1 (May 2022-2027)
☐ 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 startup 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.

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: _____

_____

POWTS INSTALLER

Name: DARRELL FRAZER	MP-221071
Phone: (715) 288-6225	

POWTS MAINTAINER

Name: FRAZER EXCAVATING
Phone: (715) 288-6225

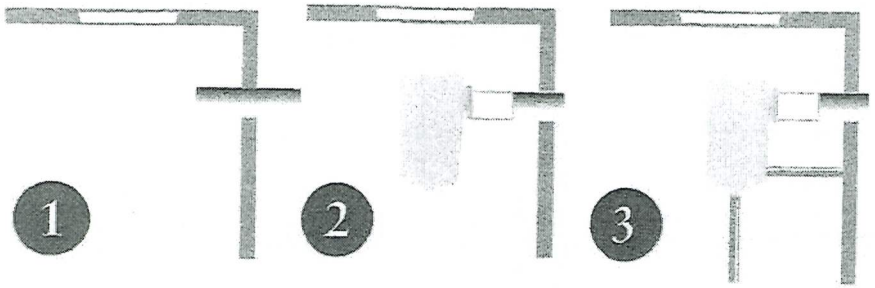
SEPTAGE SERVICING OPERATOR (Pumper)

Name:
Phone:

LOCAL REGULATORY AUTHORITY

Name: DUNN CO. ZONING
Phone: (715) 231-6520

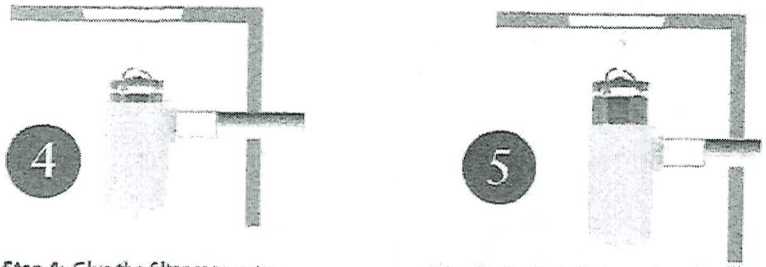
Installation Instructions for the GF10 Filter



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.

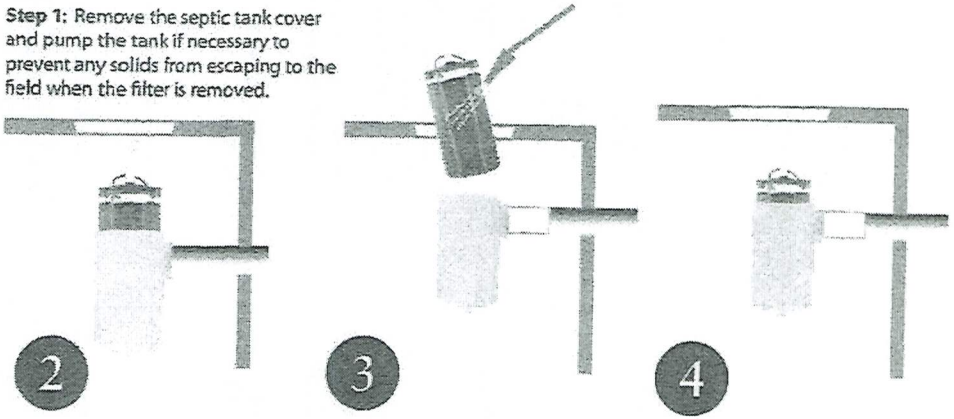
Maintenance of the GF10 Filter

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

PJ # 10 61

ORIGINAL

SOIL EVALUATION REPORT

RECEIVED MAY 19 2023

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	DUNN
Parcel I.D.	1701622713144200010
Reviewed by / Date	

Property Owner	Property Location
JESSIE SMITH	☐ ☑ Govt. Lot NW 1/4 SE 1/4 S 14 T 27 N R 13 E (or) W
Property Owner's Mailing Address: N2566 CR-C	Lot # 2 | Block # | Subd. Name or CSM# 4777
City: ELMWOOD | State: WI | Zip Code: 54740 | Phone Number: (715) 317-0422	☐ City ☐ Village ☑ Town | Nearest Road: MENOMONIE | WI-25

☑ New Construction ☐ Replacement Use: ☑ Residential / Number of bedrooms 2 Code derived design flow rate 300 GPD

☐ Public or commercial - Describe:

Parent material LOAMY OVER SANDY ALLUVIUM Flood Plain elevation if applicable n/a ft.

General comments and recommendations: RECOMMEND 23" MOUND POWTS, .4 LR, BASAL AREA, 3% SLOPE, GRASS AREA W FEW TREES
6' X 50' MOUND ON 96.5' CONTOUR, SYS. EL = 98.42'

1 Boring # ☐ Boring ☒ Pit Ground surface elev. 96.5 ft. Depth to limiting factor 22 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	0-9	10YR 3/2	-	SL	1 F ABK	mvfr	gs	2uf-f	.4	.7
2	9-22	10YR 4/3-4	-	SL	1 C ABK	mvfr	cs	2uf	.4	.7
3	22-26	10YR 4/3-4	c1d 5YR 5/2 + 5/6	SL	1 C ABK	mvfr	cw	2uf	.4	.7
4	26-44	10YR 5/4	c2d 5YR 5/2 + 5/6	LS	SG	ml	-	-	.7	1.6

2 Boring # ☐ Boring ☒ Pit Ground surface elev. 96.5 ft. Depth to limiting factor 18 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		-	SL	1 M ABK	mvfr	gs	2uf-f	.4	.7
2	8-17		-	SL	1 C ABK	mvfr	cw	2uf	.4	.7
3	17-18		-	LS	SG	mvfr	cs	-	.7	1.6
4	18-37		c2d 5YR 5/2 + 5/6	LS	SG	ml	-	-	.7	1.6
			WATER @ 30"							

* 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)	Signature	CST Number
Arik Wruck		CST - 092000015
Address: 1518 Glenn Pl. Eau Claire, WI, 54703 (715) 225-1906	Date Evaluation Conducted: 4/21/2023	Telephone Number

SBD-8330 (R07/13)

ORIGINAL

Property Owner JESSIE SMITH Parcel ID # 1701622713144200010 Page 2 of 4

3 Boring # ☐ Boring ☒ Pit Ground surface elev. 95.7 ft. Depth to limiting factor A+5 (13) 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 3/2	-	SL	1 M ABK	mvfr	cs	2uf	.4	.7
2	8-13	10YR 3/4	-	SL	1 C ABK	mvfr	cw	1uf	.4	.7
3	13-22	10YR 3-4/4	f2d 5YR 5/2 + 5/6	SL	1 C ABK	mvfr	cw	-	.4	.7
4	22-31	10YR 4-5/4	c2d 5YR 5/2 + 5/6	LS	SG	ml	-	-	.7	1.6
			WATER @ 25"							

☐ 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

PLOT PLAN

PROJECT NAME: JESSIE SMITH (N3840 WI-25)

PROJECT LOCATION: NW. SE. 14. 27N. 13W

T. of MENOMONIE, DUNN CO.

CST LICENSE #: 092000015

SIGNATURE:

DATE: 4/21/2023

ORIGINAL

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