



www.co.adams.wi.gov

OFFICE USE ONLY:

FILE #: 8408 C

Date #: 7-11-27
Parcel #: 008-00568-0020
State Sanitary #: 1046129
State UDC Seal #:
Waterfront Yes No
Within 300 ft. of OHWM? Y N

Ground Coverage {sq. ft. or %}:
County Zoning District:
Shoreland Zoning District:
FIRM / DBS Zone:
{Elevations Rqrd?; Sanitary / Construction}
Airport Height Zoning:

Planning & Zoning Department
Permit Application
P. O. Box 187 Phone: 608 339-4222
Friendship, WI 53934 Fax: 608 339-4504

\*ADDITIONAL REGULATIONS: The undersigned hereby applies for a Permit to do work described and located as shown on this application and the attached plot plan. For your protection, determine if your project is subject to any regulations etc. other than Adams County.

\*SETBACKS: All lot lines shall be physically marked for all setbacks that are less than ten feet greater than the required setback (e.g. side lot setback = 10 ft., if normal setback will be less than 20 ft., must mark lot line). Permits are issued based upon information submitted including the plot plan. It is the property owner/contractor responsibility to complete construction according to the approved submittals and in accordance with County Zoning, Sanitary, Building Construction and/or Land Division Ordinances, and with all laws of the State of Wisconsin applicable to said premises and work.

CIRCLE ACTIVITY(S): TOWER EROSION CONTROL ZONING SANITARY BUILDING RAZING

PLEASE PRINT CLEARLY & FILL OUT COMPLETELY

Owned By: Allen and Michaelene Day Phone: 1-847-878-3606
{First} {Middle Initial} {Last}

Mailing Address: 11013 122nd Street, Pleasant Prairie, WI 53158

Property Description:

Gov. Lot: or SE 1/4, SE 1/4, Sec. 17, T 14, N, R 6, E

Lot: 2; Block: ; Addition: ; Subdivision: or CSM: 5807

Town: Dell Prairie Property Address (if any): 3884 S. Gillette Dr, Wis Dells

Lot / Parcel Size: Width: Length: Acres / Sq. Ft.:

Ground Coverage (Buildings Only - sq. ft.): House: Garage: Shed: Porch:
Acc. Bldg. (1): Acc. Bldg. (2): Carport: Lean-to: Other (What?):

Construction Description: sanitary change of use and reconnect

Use: commercial - event facility (New Building, Addition, Electric, Plumbing, HVAC, Moving, Alteration, Sanitary, etc.)

Type of Construction (if Manufactured Home, list year): (RV, Residence, Accessory Building, Commercial, Industrial, Public etc.)

(Frame, Masonry, Manufactured, Pole, etc.)

Building Description: Width: Length: Area: Sq. Ft.

Height: No. of Stories: No. of Bedrooms:

IMPORTANT NOTES: IT IS THE RESPONSIBILITY OF THE PERSON SIGNING TO CALL FOR REQUIRED INSPECTIONS. THE UNDERSIGNED FURTHER ACKNOWLEDGES: (1) THAT THEY HAVE READ \*NOTES ABOVE, AND THE NOTICE ON THE BACK OF THIS PERMIT APPLICATION REGARDING WETLANDS. THE SIGNATURE BELOW ALSO GRANTS CONSENT FOR DEPARTMENT STAFF TO ENTER PREMISES.

Signature of Owner or Agent: Royal Excavating Phone: 608-253-6426

Printed Name: Royal Excavating Address: N9957 9th Avenue, Wisconsin Dells, WI 53965

EMAIL ADDRESS:

OFFICE USE ONLY:

Comments / Conditions:

Zoning: \$ Other: \$
Sanitary: \$ 425.00 State: \$
Building: \$ Total: \$

Mus: have truss specs. from manufacturer

Paid (check # or cash): #18458
Date: 7-5-22 By: Royal Excavating

Approved / Denied by:

Date: 7-8-22

Adams COUNTY NO. 646129  
STATE SANITARY PERMIT

TRANSFER/RENEWAL PREVIOUS NO. \_\_\_\_\_

OWNER Allen & Michealene  
PLUMBER Royal Brackman LIC.# 244100  
TOWN OF Dell Praire  
SEC 17, T 14 N, R 6 E W  
AND/OR LOT 2 BLOCK \_\_\_\_\_  
SUBDIVISION \_\_\_\_\_

CHAPTER 145.135 (2) WISCONSIN STATUTES  
(a) The purpose of the sanitary permit is to allow installation of the private sewage system described in the permit.  
(b) The approval of the sanitary permit is based on regulations in force on the date of approval.  
(c) The sanitary permit is valid and may be renewed for a specified period.  
(d) Changed regulations will not impair the validity of a sanitary permit.  
(e) Renewal of the sanitary permit will be based on regulations in force at the time renewal is sought, and that changed regulations may impede renewal.  
(f) The sanitary permit is transferable.  
History: 1977 c. 168; 1979 c. 34,221; 1981 c. 314  
Note: If you wish to renew the permit, or transfer ownership of the permit, please contact the county authority.

Dustin Grant AUTHORIZED ISSUING OFFICER - DATE 7-11-22  
THIS PERMIT EXPIRES 7-11-24 UNLESS RENEWED BEFORE THAT DATE

POST IN PLAIN VIEW

VISIBLE FROM THE ROAD FRONTING THE LOT DURING CONSTRUCTION



Industry Services Division  
4822 Madison Yards Way  
Madison, WI 53705  
P.O. Box 7162  
Madison, WI 53707-7162

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

**8468 C**

State Transaction Number  
**1046129**

Project Address (if different than mailing address)

**3884 S. Gillette Drive**

Parcel #  
**008-00568-0020**

Property Location

Govt. Lot \_\_\_\_\_  
**SE 1/4, SE 1/4, Section 17**

**T 14 N R 6 E 600**  
Subdivision Name

City of \_\_\_\_\_

Village of \_\_\_\_\_

Town of **Dell Prairie**

### 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.

#### I. Application Information - Please Print All Information

Property Owner's Name  
**Allen and Michaelene Day**

Property Owner's Mailing Address  
**11013 122nd Street**

City, State  
**Pleasant Prairie, WI**

Zip Code  
**53158**

Phone Number  
**1-847-878-3606**

#### II. Type of Building (check all that apply)

1 or 2 Family Dwelling - Number of Bedrooms \_\_\_\_\_

Public/Commercial - Describe Use **event facility**

State Owned - Describe Use \_\_\_\_\_

Lot #  
**2**

Block #

CSM Number  
**5807**

#### III. Type of POWTS Permit: (Check either "New" or "Replacement" and other applicable on line A. Check one box on line B. Complete line C if applicable.)

A.  New System  Replacement System  Other Modification to Existing System (explain)  Additional Pretreatment Unit (explain)

**Change of use**

B.  Holding Tank  In-Ground (conventional)  At-Grade  Mound  Individual Site Design  Other Type (explain)

C.  Renewal Before Expiration  Revision  Change of Plumber  Transfer to New Owner

List Previous Permit Number and Date Issued  
**66806/EXT#8470 4/30/85**

#### IV. Dispersal/Treatment Area and Tank Information:

Design Flow (gpd) <b>1015</b>	Design Soil Application Rate (gpd/sf) <b>1.0</b>	Dispersal Area Required (sf) <b>1450</b>	Dispersal Area Proposed (sf) <b>3000</b>	System Elevation <b>98.5'</b>
----------------------------------	---	---	---	----------------------------------

Tank Information	Capacity in Gallons		Total Gallons	# of Units	Manufacturer	Prefab Concrete	Site Constructed	Steel	Fiber Glass	Plastic
	New Tanks	Existing Tanks								
Septic or Holding Tank	<b>1600</b>	<b>2500</b>	<b>4100</b>	<b>2</b>	<b>Wieser comb / Allen Steele</b>	<b>XXX</b>				
Dosing Chamber		<b>1250</b>	<b>1250</b>	<b>1</b>	<b>Allen Steele</b>	<b>XXX</b>				

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

Plumber's Name (Print) **Royal Brackman** Plumber's Signature *Royal Brackman* MP/MPRS Number **244100** Business Phone Number **253-6426**

Plumber's Address (Street, City, State, Zip Code)  
**Royal Excavating, N9957 9th Avenue, Wisconsin Dells, WI 53965**

#### VI. County/Department Use Only

Approved  Disapproved  Owner Given Reason for Denial  
Permit Fee \$ **425.00** Date Issued **7-11-22** Issuing Agent Signature *[Signature]*

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



**TG Soil and Water, Inc.**  
N1933 Co. Hwy. HH  
Lyndon Station, WI 53944

Page 1 of 3

### SOIL EVALUATION REPORT

In accordance with SPS 385, 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 Adams
Parcel I.D. 008-00568-0020
Reviewed by <u>PO</u> Date 17-7-22

Property Owner <b>Allen &amp; Michealene Day</b>				Property Location Govt. Lot <b>SE 1/4 SE 1/4 S 17 T 14 N R 6</b> <input checked="" type="checkbox"/> E (or) <input type="checkbox"/> W			
Property Owner's Mailing Address 11013 122nd Street				Site Address or CSM and Lot #: 3884 S. Gillette Drive, Wisconsin Dells, WI 53965 Lot 2, CSM# 5807			
City Pleasant Prairie	State WI	Zip Code 53158	Phone Number ( )	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Town	Nearest Road 3884 S. Gillette Drive

New Construction Use:  Residential / Number of bedrooms \_\_\_\_\_ Code derived design flow rate 1015 GPD  
 Replacement  Public or commercial - Describe: wedding bar Flood Plan elevation if applicable na ft.  
 Parent material \_\_\_\_\_  
 General comments and recommendations: Soil test for system verification of existing 15' x 100' mound cell with 24" mound sand lift. Existing mound system proposed to service wedding barn, home rental, and caretakers house. Existing mound cell sized for 1500gpd ( 1.0gpd/ft<sup>2</sup> C-33 aggregate loading rate ).

**1** Boring #  Boring  Pit Ground surface elev. 91.6' Depth to limiting factor 36" in. / elev. 88.6' ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft <sup>2</sup>	
									*Eff#1	*Eff#2
1	0-8	7.5yr3/3	---	ls	1mgr	mvfr	as	2f	0.7	1.6
2	8-16	10yr5/6	---	ls	1csbk	mvfr	gw	1f	0.7	1.6
3	16-23	10yr6/6	---	fs	sg	ml	gw	1f	0.5	1.0
4	23-36	10yr7/3	---	fs	sg	ml	cw	---	0.5	1.0
5	36+			br					0.0	0.0

**2** Boring #  Boring  Pit Ground surface elev. 97.3' Depth to limiting factor 25" in. / elev. 95.2' ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft <sup>2</sup>	
									*Eff#1	*Eff#2
1	0-6	7.5yr3/3	---	ls	1mgr	mvfr	as	2f	0.7	1.6
2	6-15	10yr4/6	---	ls	1csbk	mvfr	gw	1f	0.7	1.6
3	15-25	10yr6/6	---	fs	sg	ml	cw	1f	0.5	1.0
4	25+			br					0.0	0.0

CST Name (Please Print) Thomas J. Guyse	Signature 	CST Number 227308
Address TG Soil & Water Inc., N1933 Cty Rd HH, Lyndon Station, WI 53944	Date Evaluation Conducted 6/17/22	Telephone Number 608-666-2512

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

\* Effluent #2 = BOD, ≤ 30 mg/L and TSS ≤ 30 mg/L

SBD-8330 (R04/21)

**3** Boring #

Boring  
 Pit

Ground surface elev. 93.5' ft.

Depth to limiting factor 24" in. / elev. 91.5' ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft <sup>2</sup>	
									*Eff#1	*Eff#2
1	0-8	7.5yr3/3	---	ls	1mgr	mvfr	as	2f	0.7	1.6
2	8-15	10yr5/6	---	ls	1csbk	mvfr	gw	1f	0.7	1.6
3	15-24	10yr6/6	---	fs	sg	ml	cw	1f	0.5	1.0
4	24-32	10yr7/3	f2p7.5yr5/6	fs	sg	ml	cw	---	0.5	1.0
5	32+			br					0.0	0.0

**4** Boring #

Boring  
 Pit

Ground surface elev. \_\_\_\_\_ ft.

Depth to limiting factor \_\_\_\_\_ in. / elev. \_\_\_\_\_ ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft <sup>2</sup>	
									*Eff#1	*Eff#2

**5** Boring #

Boring  
 Pit

Ground surface elev. \_\_\_\_\_ ft.

Depth to limiting factor \_\_\_\_\_ in. / elev. \_\_\_\_\_ ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft <sup>2</sup>	
									*Eff#1	*Eff#2

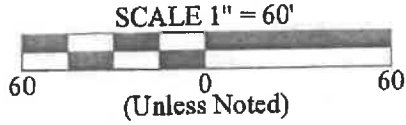
\* Effluent #1 = BOD > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

\* Effluent #2 = BOD, ≤ 30 mg/L and TSS ≤ 30 mg/L

Allen & Michealene Day  
11013 122nd Street  
Pleasant Prairie, WI 53158

# Plot Plan

Part of SE1/4 SE1/4  
S.17, T.14N., R.6E.,  
Town of Dell Prairie  
Adams County, Wisconsin  
Parcel# 008-0058-0020



3884 S. Gillette Drive (private)

B.M. top of 4" wood  
post for junction box.  
Elev.: 100.0'

R.P. top of manhole  
cover, elev.: 99.1'



- = Soil Borings
- 1. 91.6'
  - 2. 97.3'
  - 3. 93.5'

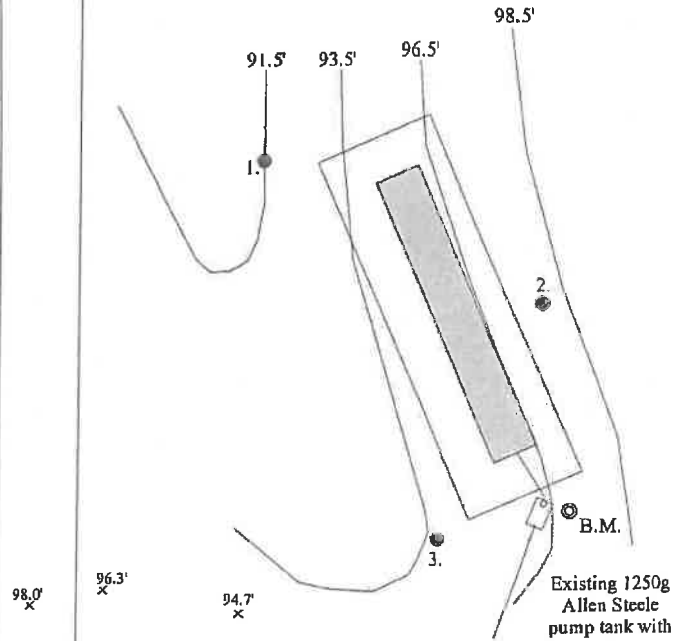
6.74 acre parcel

Wieser 1000/600 comb.  
septic/septic tank with  
Polylok PL-525 filter  
to be used.

Insul Seal piping to

Existing Mound System.  
15' x 100' cell.

Mound system is located  
on separate parcel  
via septic easment.  
per Allen Day.





DIVISION OF INDUSTRY SERVICES  
2331 SAN LUIS PL  
GREEN BAY WI 54304-5211  
Contact Through Relay  
<http://dsps.wi.gov/programs/industry-services>  
[www.wisconsin.gov](http://www.wisconsin.gov)

Tony Evers - Governor  
Dawn Crim - Secretary

June 29, 2022

**CONDITIONAL APPROVAL**

**PLAN APPROVAL EXPIRES: 2024-06-29**  
**Plan Review: PWTS-062200037-M**

THOMAS J GUYSE  
N1933 County Road HH  
Lyndon Sta WI 53944

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

*Tim Vander Leest*

SEE CORRESPONDENCE

**SITE:** **Day, Allen R Jr & Michealene**  
3884 S. Gillette Dr  
Town of DELL PRAIRIE  
Adams County

**Total Amount: \$80.00**

**FOR:**

Description: 1014 GPD (Miscellaneous Review – Revised Use)

Maintenance Required

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.

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

A 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. 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.

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

The above left addressee shall provide a copy of this letter and the POWTS management plan to the owner and any others who are responsible for the installation, operation or maintenance of the POWTS.

Thanks,

*Tim Vander Leest*

POWTS Plan Reviewer – Wastewater Specialist  
Department of Safety & Professional Services | Division of Industry Services  
email: [tim.vanderleest@wisconsin.gov](mailto:tim.vanderleest@wisconsin.gov)  
Cell: 608-516-6134

TO: Plan Review – Private Onsite Water Treatment Systems (POWTS)  
Division of Industry Services

REGARDING: Plan review for proposed change in use, and reconnect permit using existing mound cell, and tanks.

Owner & Location: Allen & Michealene Day. 3884 S. Gillette Drive, Wisconsin Dells, WI 53865. Part of SE1/4 SE1/4, S.17, T.14N., R.6E., Town of Dell Prairie, Adams County, WI *Project was disussed with Tim Vander Leest.*

Proposed sizing, existing mound cell and tanks. [ pages 2-3 of 18 ]

One plot plan [ page 4 of 18 ]

Proposed tank for wedding barn [ page 5 of 18 ]

Polylok filter detail [ pages 6-7 of 18 ]

Filter basin detail for houses [ pages 8-11 of 18 ]

One plan view w/cross section [ page 12 of 18 ]

Distribution pipe detail [ page 13 of 18 ]

Existing Pump Tank cross section [ page 14 of 18 ]

Existing effluent pumps [ pages 15-16 of 18 ]

Management Plan [ pages 17-18 of 18 ]

Also included are:  
One copy of the soil test (SBD-8330)

Designer: Thomas J. Guyse

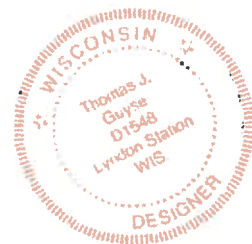
License#: D-1548

Address: TG Soil and Water Inc., N1933 Hwy. HH, Lyndon Station, WI 53944

*(Signature & date)* *10/23/22*

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

*Tim Vander Leest*  
SEE CORRESPONDENCE



Proposed change in use/reconnect permit for Allen Day property.

Proposed Use: Residential: 2 homes for a total of 5bdrs. ( former sales buildings )

Commercial: Wedding Barn ( Catered events, No food prep.)

Sizing: Residential: 5bdrs x 150g = 750gpd

Commercial: 75 guests @ 3gpd/guest = 225gpd

2 employees @ 19/5gpd = 39gpd

TOTAL: 1,014GPD.

Existing system: Commercial mound system installed in 1985 to service 2 sales offices . Sized @ 1750gpd employees & customers.

- 2500gal septic tank installed ( Allen Steele )

- 1250gal pump tank ( Allen Steele )( duplex pumps & control panel )

- 15' x 100' mound cell with 24" C-33 aggregate  
( 1.2gpd/ft2 loading rate/ bedrock separation requirements.)

Propose installing septic tank for Wedding Barn: 1600 comb. Septic/septic tank with filter;  
Add filter basin after existing 2500g Allen Steele septic tank servicing 2 houses.

To: Allen R Day Jr and Michaelene Day  
RE: Septic Sizing for new Wedding Facility

We want to make sure that your project is done correctly from the start. The 1985 Mound system will need to be verified with a soil boring and sizing confirmed. The state may require a copy of the commercial plans for the Wedding Facility to confirm sizing is correct. Please provide us with a copy.

Please provide the following information:

Existing house : # of bedrooms 2 usage - short term rental long term rental / other \_\_\_\_\_

If rental, the max occupancy will be 1 people - Case taken 11000 there

Existing Structure next to house - living quarters - # of people 3 bedroom 6 people

Wedding facility - Max Capacity of guests 75

# of employees 2

Will any food prep be done in kitchen? - YES NO

Any other structures which will be served by existing mound septic system and usage.

None

Allen R Day Jr  
Owners Signature

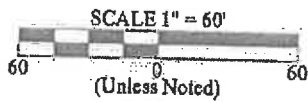
6/7/22  
Date

Allen & Michealene Day  
 11013 122nd Street  
 Pleasant Prairie, WI 53158

Plot Plan

Part of SE1/4 SE1/4  
 S.17, T.14N., R.6E.,  
 Town of Dell Prairie  
 Adams County, Wisconsin  
 Parcel# 008-0058-0020

Page 4 of 8



3884 S. Gillette Drive (private)



B.M. top of 4" wood post for junction box. Elev.: 100.0'

R.P. top of manhole cover. elev.: 99.1'

- Soil Borings
- 1. 91.6'
- 2. 97.3'
- 3. 93.5'

6.74 acre parcel

Wieser 1000/600 comb. septic/septic tank with Polylok PL-525 filter to be used.

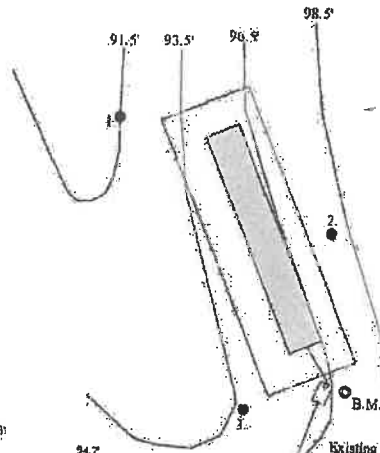
Insl Seal piping to be used under drive for frost & compaction protection.



4" PVC building sewer per table SFS 384.30-3

Existing Mound System, 15' x 100' cell.

Mound system is located on separate parcel via septic easement per Allen Day.



Existing 1250g Allen Steele pump tank with Duplex Pumps

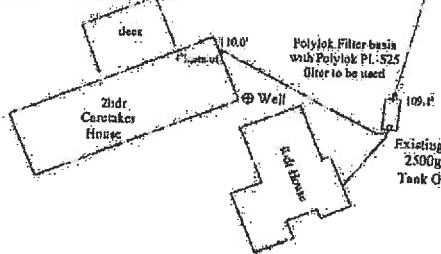
Top of force main: 95.1'

New cover, chains, & lock device to be installed.



**System Sizing**  
 2 houses @ 5bdm x 150gpd/bdm = 750gpd  
 Wedding barn (no food prep.)  
 75 guests @ 3.0 gpd = 225gpd  
 2 employees @ 19.5gpd/employee = 39gpd  
**TOTAL: 1014gpd**  
 Mound Sand loading rate: 1.0gpd/ft<sup>2</sup> = 1014ft<sup>2</sup>  
 Existing: 15' x 100' cell = 1500ft<sup>2</sup>  
 Basal area: 30' x 100' = 3000ft<sup>2</sup>  
 Required: 1450ft<sup>2</sup> (-0.7gpd/ft<sup>2</sup>)

Existing 4" PVC building sewer.



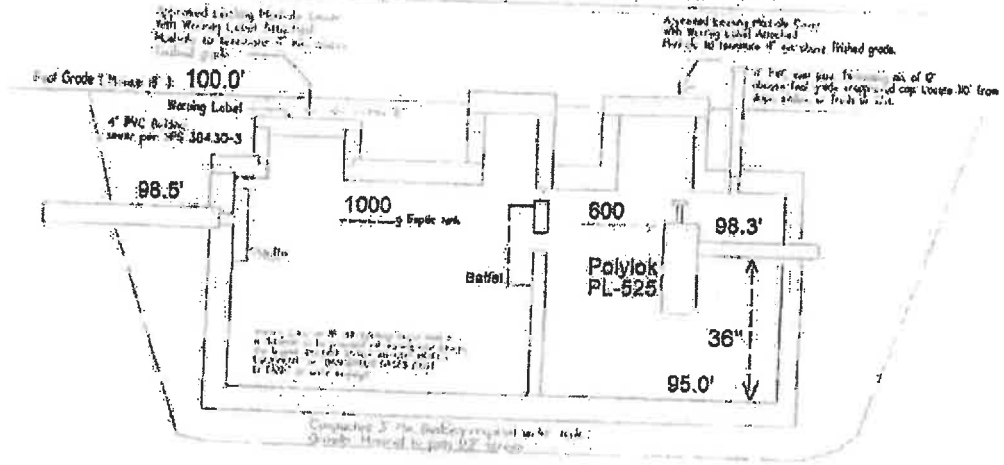
Existing Allen Steele 2500g septic tank Tank Outlet: 105.1'

State Hwy. 13 & 124 W.

Thomas J. Guyse

TG Soil and Water Inc.  
 Cred.# 227308  
 6/17/22

### Septic Tank Profile (Wedding Barn)



Tank Manufacturer: Wieser

Tank Size: 1600 (1000/600) gal.

Model#: WLP1000/600-P



**PL-525 Effluent Filter**

**PL-525 Filter**

The PL-525 Filter is rated for 10,000 GPD (gallons per day) making it one of the largest filters in its class. It has 525 linear feet of 1/16" filtration slots. Like the Polylok PL-122, the Polylok PL-525 has an automatic shut-off ball installed with every filter. When the filter is removed for cleaning, the ball will float up and temporarily shut off the system so the effluent won't leave the tank.

**Features:**

- Rated for 10,000 GPD (gallons per day).
- 525 linear feet of 1/16" filtration.
- Accepts 4" and 6" SCHD 40 pipe.
- Built in gas deflector.
- Automatic shut-off ball when filter is removed.
- Alarm accessibility.
- Accepts PVC extension handle.

**PL-525 Installation:**

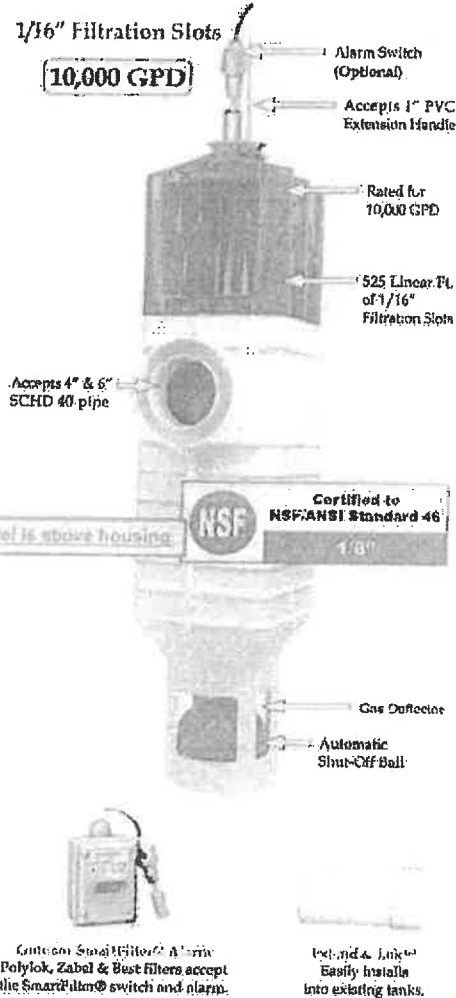
Ideal for residential and commercial waste flows up to 10,000 gallons per day (GPD).

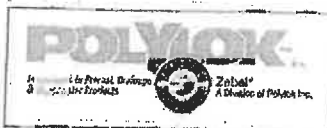
1. Locate the outlet of the septic tank.
2. Remove the tank cover and pump tank if necessary.
3. Glue the filter housing to the 4" or 6" outlet pipe. If the filter is not centered under the access opening use a Polylok Extend & Lock or piece of pipe to center filter.
4. Insert the PL-525 filter into its housing.
5. Replace and secure the septic tank cover.

**PL-525 Maintenance:**

The PL-525 Effluent filter, will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped, or at least every three years. If the installed filter contains an optional alarm, the owner will be notified by an alarm when the filter needs servicing. Servicing should be done by a certified septic tank pumper or installer.

1. Locate the outlet of the septic tank.
2. Remove tank cover and pump tank if necessary.
3. Do not use plumbing when filter is removed.
4. Pull PL-525 cartridge out of the housing.
5. Hose off filter over the septic tank. Make sure all solids fall back into septic tank, not into filter housing.
6. Insert the filter cartridge back into the housing making sure the filter is properly aligned and completely inserted.
7. Replace and secure septic tank cover.

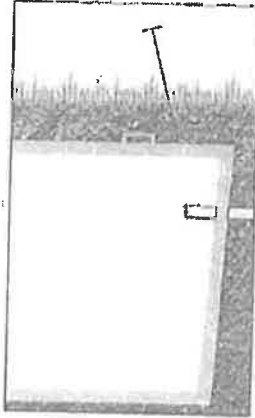




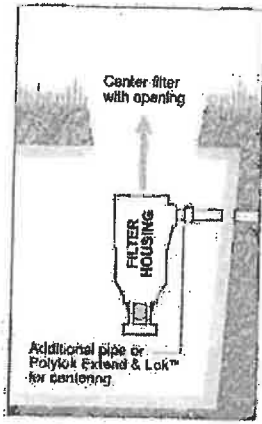
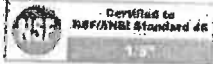
# INSTALLATION INSTRUCTIONS

## PL-122/PL-525/PL-625 FILTER

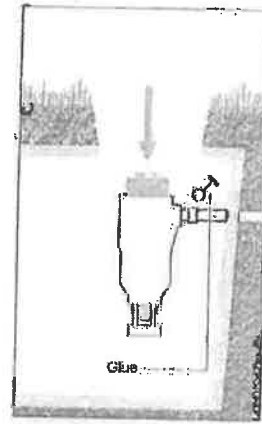
### INSTALLATION INSTRUCTIONS



**Step 1:**  
 (A) Locate the outlet of the septic tank.  
 (B) Remove tank cover and pump tank if necessary.

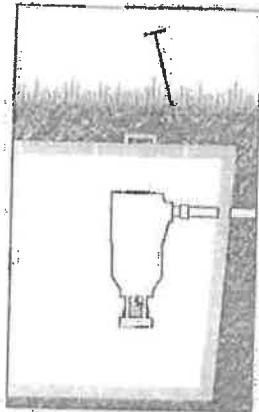


**Step 2:**  
 (A) Before installation, place the filter housing on to the outlet pipe.  
 (B) Make sure that the housing is positioned so the filter can be removed from the tank for maintenance and service.



**Step 3:**  
 (A) Glue the filter housing on the outlet pipe.  
 (B) Insert the filter cartridge in the housing, making sure the filter cartridge is properly aligned and completely inserted in the housing.

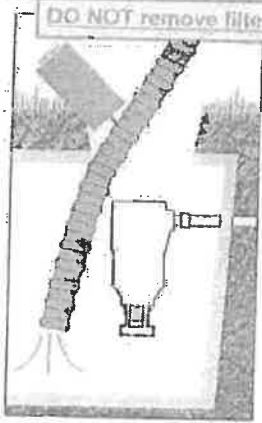
### MAINTENANCE INSTRUCTIONS



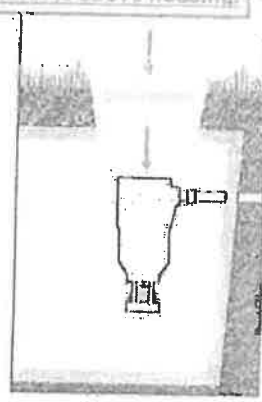
**Step 1:**  
 Locate the outlet of the septic tank.

**DO NOT USE PLUMBING WHEN FILTER IS REMOVED**

**USE RUBBER GLOVES WHEN CLEANING FILTER**



**Step 2:**  
 (A) Remove tank cover and pump if necessary.  
 (B) Pull the filter out of the housing.  
 (C) Hose off the filter over the septic tank. Make sure all solids fall back into the septic tank, not into filter housing.

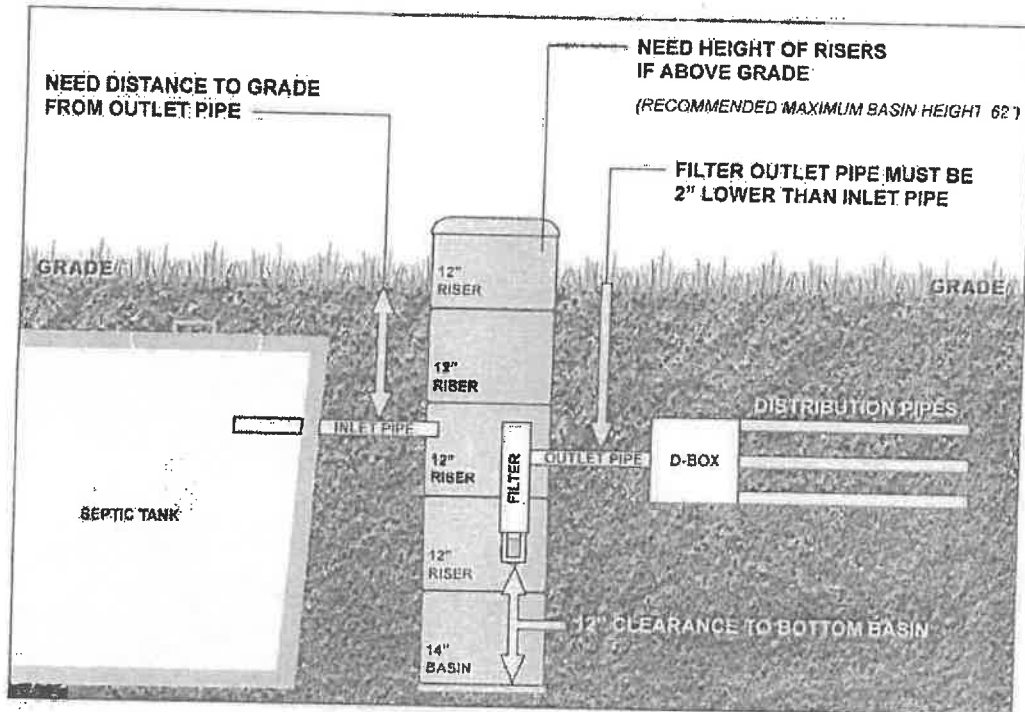


**Step 3:**  
 (A) Insert the filter cartridge back into the the housing making sure the filter is properly aligned and completely inserted.  
 (B) Replace septic tank cover

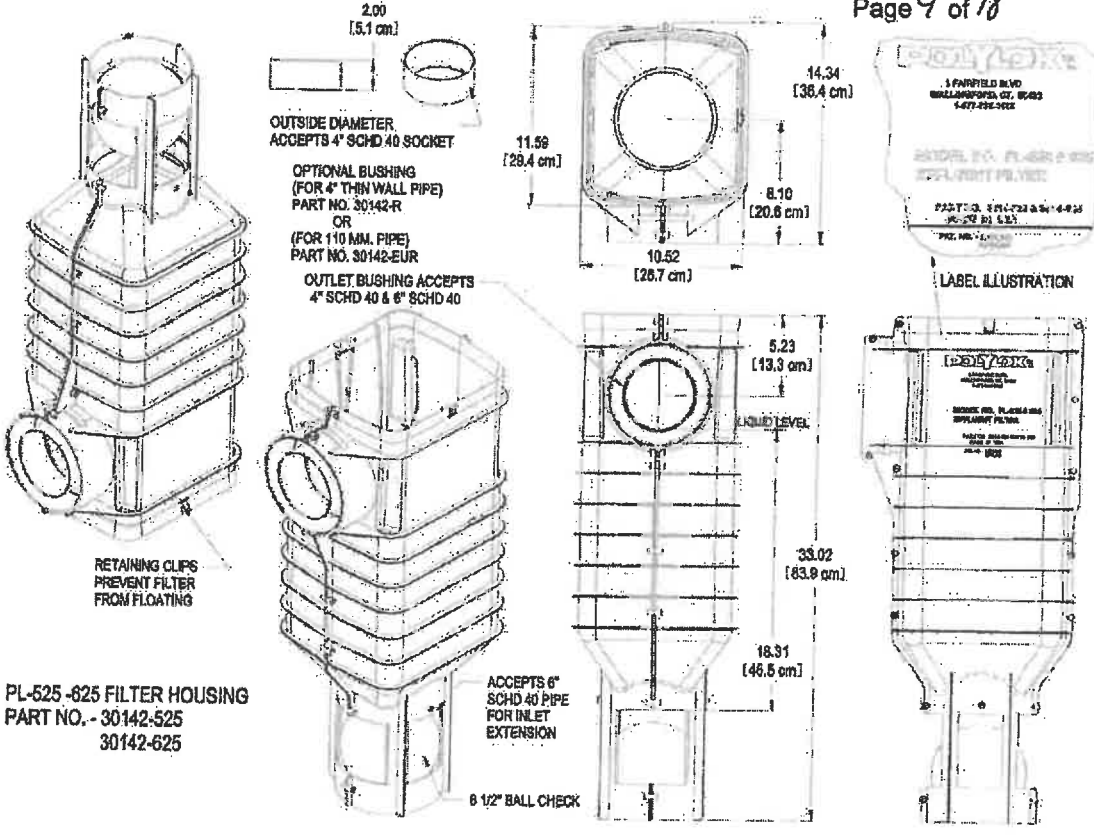
## Basin Application Guide

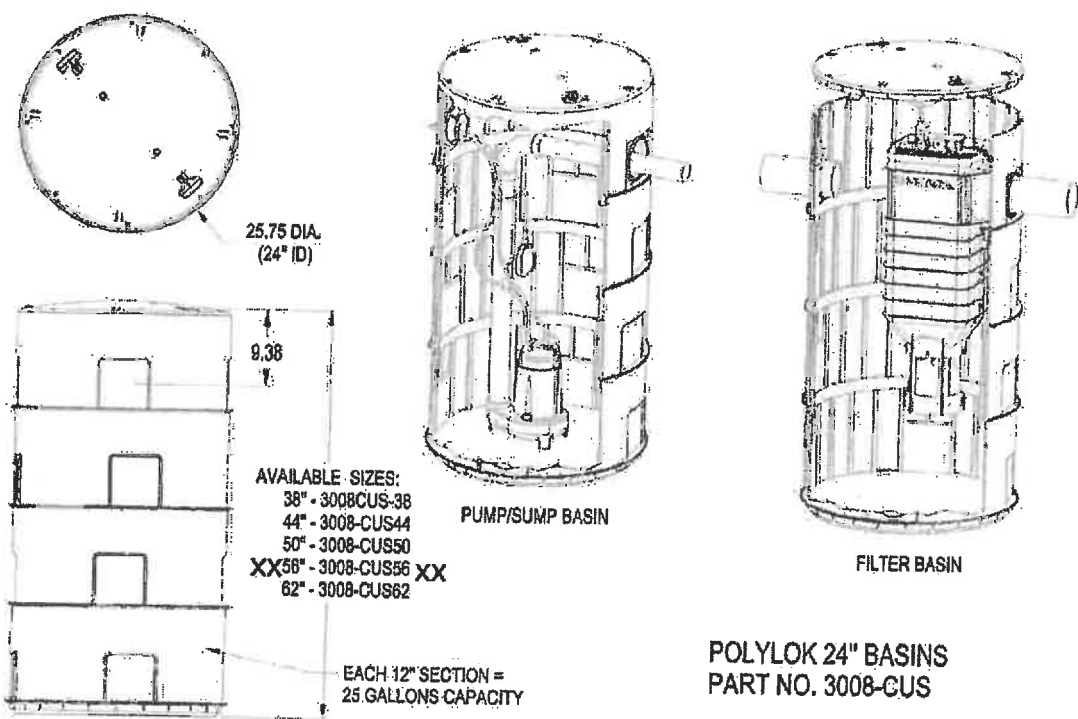
To insure Polylok basins are installed correctly the tank outlet height to grade has to be known. The typical inlet/outlet openings in a filter basin are four inches and pipe gaskets will require a five-inch hole to be drilled on both the inlet side and outlet side with a two-inch drop. The filter should clear the bottom of a filter basin by twelve inches. Different filter lengths may require adding additional risers. You need to know if the inlet/outlet pipes are schedule 40 or SDR 35 so the correct grommets ship with the basin. All inlet/outlet holes are drilled in the field. In a pump basin application the inlet/outlet pipe sizes must be known, the typical size is four inches on the inlet and two inches on the outlet. The 24x 38 inch basin is pre-assembled and shipped as a package, additional risers, 24 inch HD gaskets or grommets are shipped for field installation. All assembled risers to complete a basin must include **All HD gaskets** and **All screws**. Screws are stainless steel #10 x1.5 inches and tightened with an alternate tightening pattern. When a power tool is used to tighten screws make sure the power setting is either summer or winter, don't over-tighten screws or you could strip the screw hole out. In case of a hole that strips you can reset the riser or cover to the next group of holes and retighten the screws.

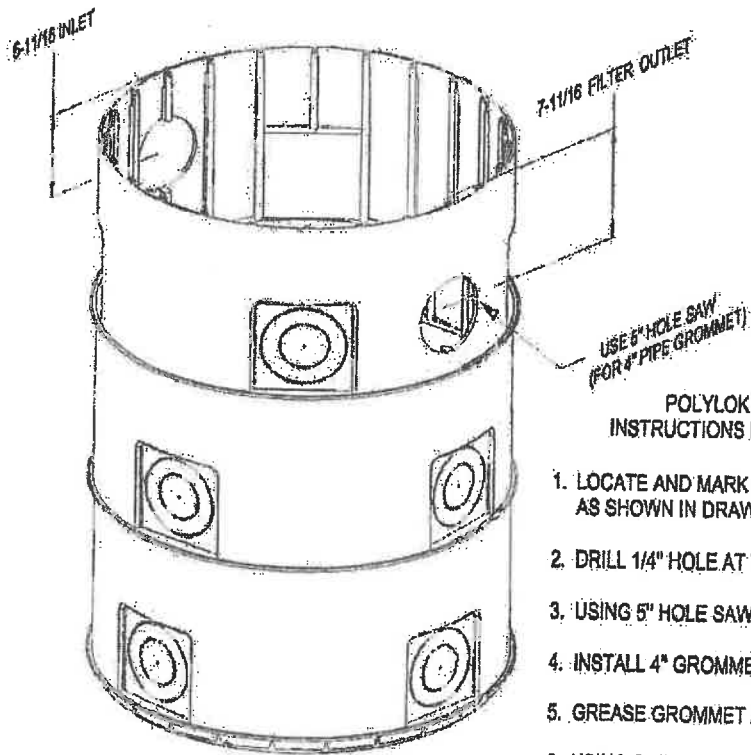
See diagram below for typical setup:



3 FAIRFIELD BLVD., WALLINGFORD, CT 06492  
1-877-765-9585. FAX: 203-284-8514  
EMAIL: SALES@POLYLOK.COM  
WEB SITE: WWW.POLYLOK.COM

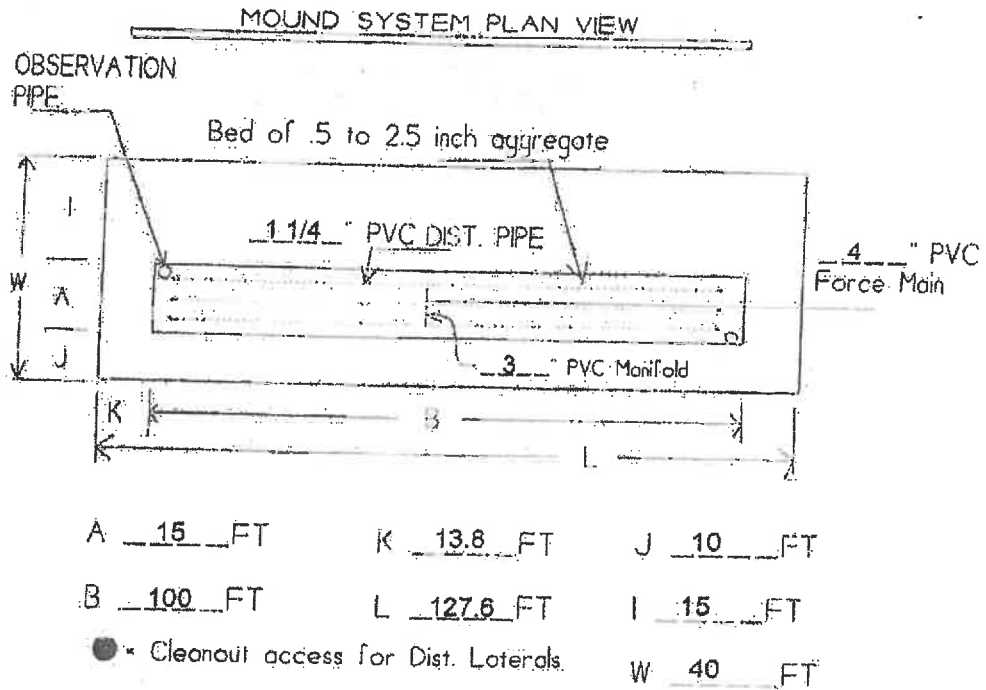
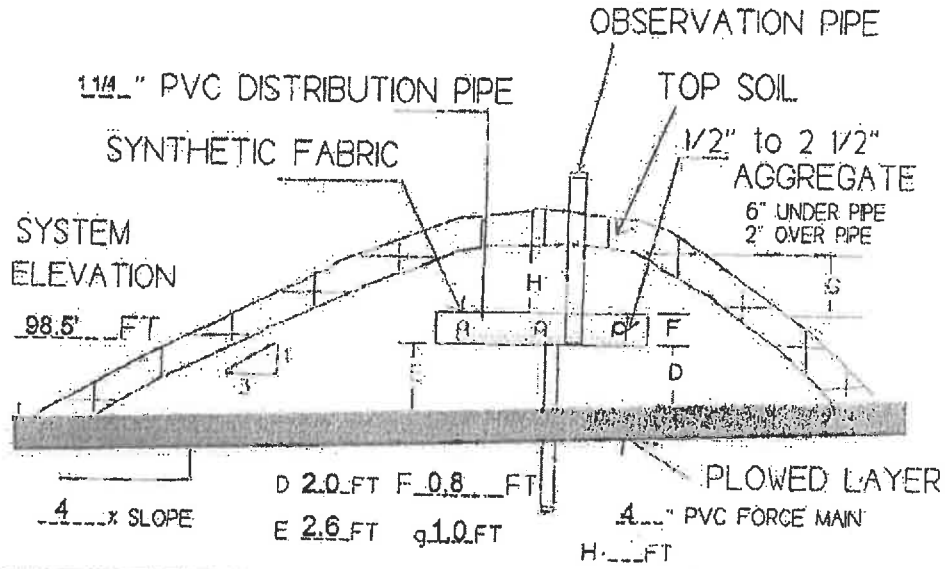




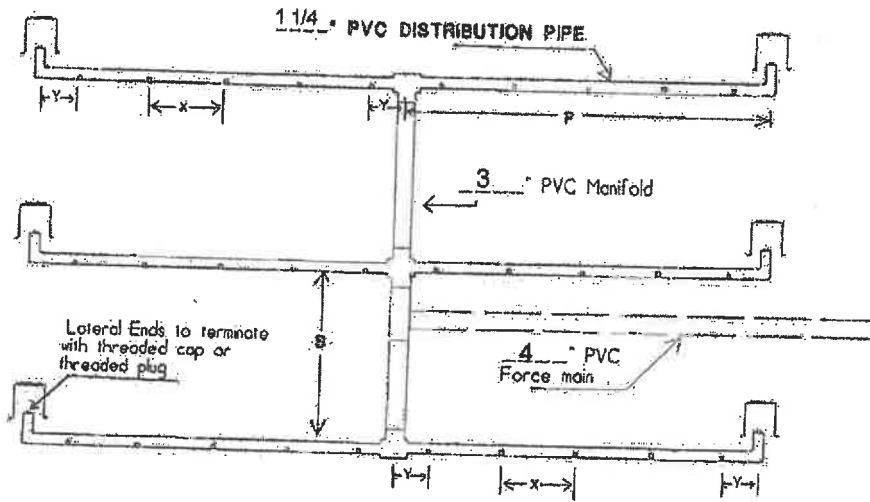


POLYLOK FILTER CHAMBER  
INSTRUCTIONS FOR INLET-OUTLET CUTOUTS

1. LOCATE AND MARK CENTERS FOR INLET AND OUTLET AS SHOWN IN DRAWING ABOVE
2. DRILL 1/4" HOLE AT THE 2 LOCATIONS
3. USING 5" HOLE SAW WITH 1/4" PILOT PIN DRILL 5" HOLES
4. INSTALL 4" GROMMET IN OPENINGS
5. GREASE GROMMET AND INSTALL PIPE
6. USING SOLVENT CEMENT INSTALL FILTER HOUSING ONTO OUTLET PIPE



Existing Distribution Pipe Detail/Cell



HOLES ARE EQUALLY SPACED ON BOTTOM

P 49 FT

S 5 FT

X 48 INCHES

Y 24 INCHES

HOLE DIAMETER 1/4 INCH

LATERAL DIAMETER 1 1/4 INCH(ES)

MANIFOLD DIAMETER 3 INCHES

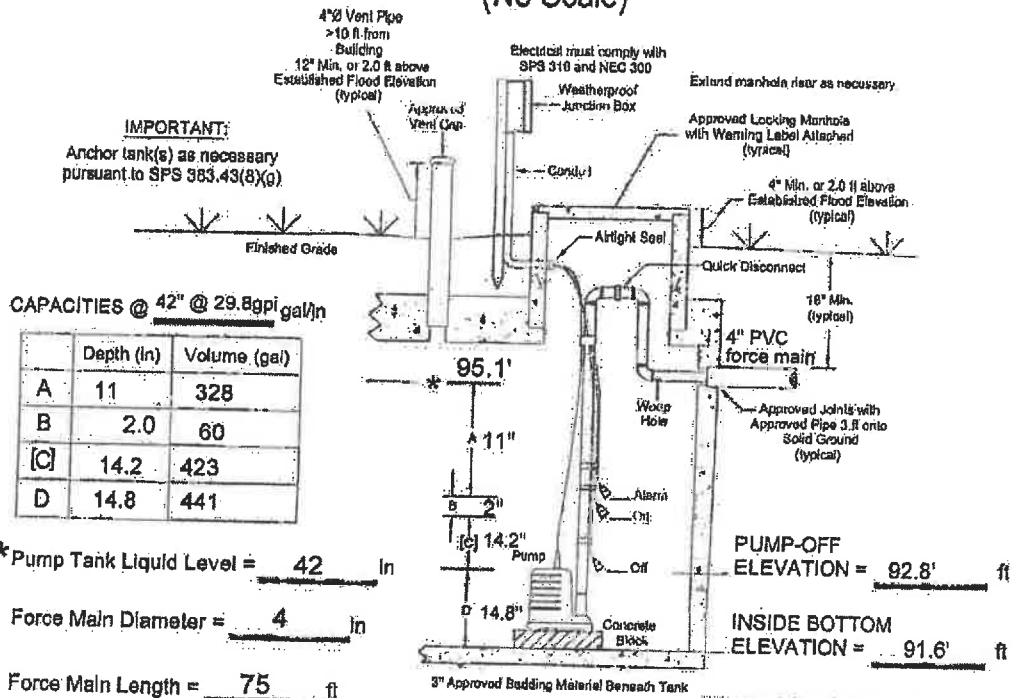
FORCE MAIN DIAMETER 4 INCHES

\* HOLES/PIPE 13

INVERT ELEVATION

OF LATERALS 99.0 FT

## EXISTING PUMP TANK SPECIFICATIONS (No Scale)



CAPACITIES @ 42" @ 29.8gpi gal/in

	Depth (in)	Volume (gal)
A	11	328
B	2.0	60
C	14.2	423
D	14.8	441

\* Pump Tank Liquid Level = 42 in

Force Main Diameter = 4 in

Force Main Length = 75 ft

Force Main Void Volume = 48.8 gal

[C] Total Dose Volume (TDV) = 423 gal/dose

(5X total lateral void volume ≤ TDV ≤ 0.2X design flow)  
+ (force main drainback volume)

MIN. PUMP DISCHARGE RATE = 91.2 gpm

Vertical Head = 4.2 ft

+ Min. Supply Head = 2.5 ft

+ FM Friction Loss = 0.5 ft

+ Fitting Loss\* = 0.75 ft  
(min. supply head x 0.3)

= TOTAL DYNAMIC HEAD = 7.95 ft

**PUMP TANK:**

Volume = 1250 gal

Manufacturer: Allen Steele

Pump Manufacturer: Peabody Barnes

Pump Model: SE-75 (See attached pump curve.)

Controls/Alarm Manufacturer: SJE-Rhombus

Controls/Alarm Model: 122 (duplex)

Floet switches containing mercury are prohibited.

**SEPTIC TANK(S):**

Total Volume = 4100 gal

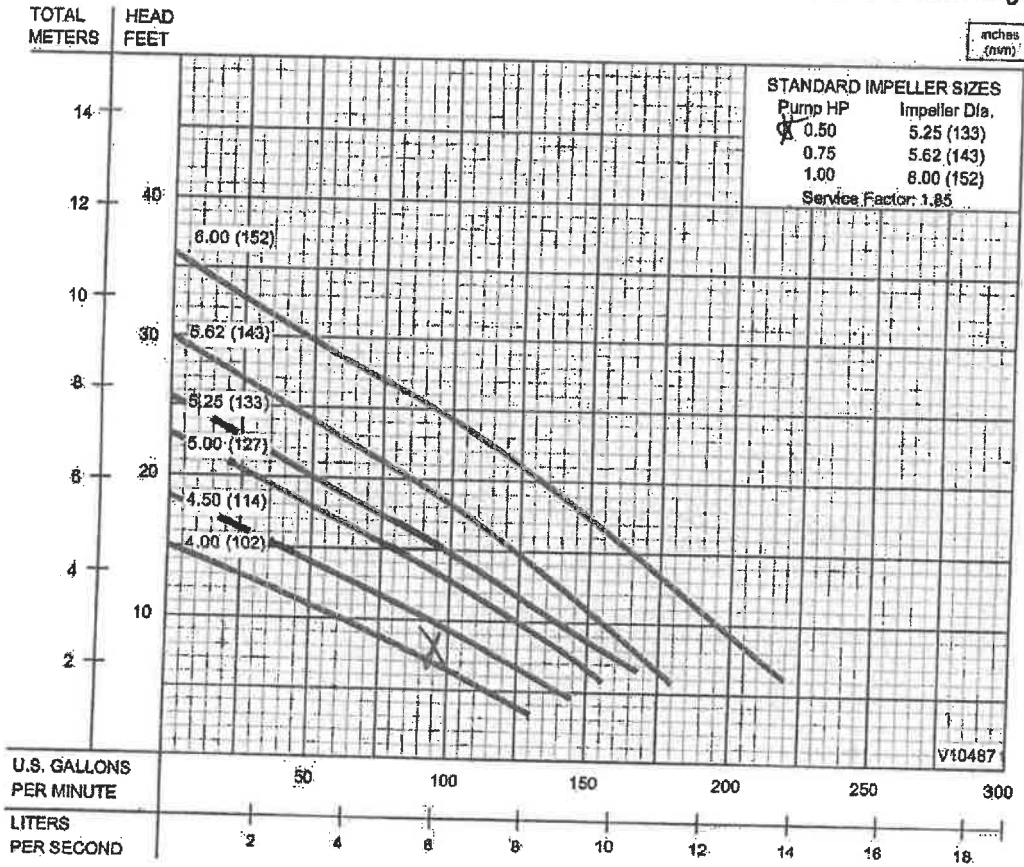
Manufacturer(s): Allen Steele, Weser

Install approved effluent filter at the septic tank outlet immediately upstream of the pump tank inlet.

Filter Manufacturer: Polylok

Filter Model: PL-525





Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance

**POWTS OWNER'S MANUAL & MANAGEMENT PLAN**

**FILE INFORMATION**

Owner Allen & Michealene Day  
 Permit # \_\_\_\_\_

**DESIGN PARAMETERS**

Number of Bedrooms 5  NA  
 Number of Public Facility Units 75  NA  
 Estimated (average) flow 500 + 176 = 676 gal/day  
 Design (peak) flow = (Estimated x 1.5) 1015 gal/day  
 Soil Application Rate 1.0 gal/day/ft<sup>2</sup>  
 Standard Influent/Effluent Quality Monthly average  
     Fats, Oil & Grease (FOG)  $\leq 30$  mg/L  
     Biochemical Oxygen Demand (BOD<sub>5</sub>)  $\leq 220$  mg/L  NA  
     Total Suspended Solids (TSS)  $\leq 150$  mg/L  
 High Strength Influent/Effluent Monthly average\*  
     Fats, Oil & Grease (FOG)  $\geq 30$  mg/L  
     Biochemical Oxygen Demand (BOD<sub>5</sub>)  $\geq 220$  mg/L  NA  
     Total Suspended Solids (TSS)  $\geq 150$  mg/L  
 Pretreated Effluent Quality Monthly average  
     Biochemical Oxygen Demand (BOD<sub>5</sub>)  $\leq 30$  mg/L  
     Total Suspended Solids (TSS)  $\leq 30$  mg/L  NA  
     Fecal Coliform (geometric mean)  $\leq 10^4$  cfu/100ml  
 Maximum Effluent Particle Size  $\frac{1}{8}$  in dia.  NA  
 Other:  NA

**SYSTEM SPECIFICATIONS**

Tank Manufacturer Allen Steele, Wieser  NA  
 Septic  Dose  Holding vol. 4,100 gal  
 Tank Manufacturer Allen Steele (existing)  NA  
 Septic  Dose  Holding vol. 1250 gal  
 Vertical Distance Tank Bottom(s) to Service Pad: 5-7.5' ft.  
 Horizontal Distance Tank(s) to Service Pad: 10' - 80' ft.  
 Specific servicing mechanics must be provided if vertical is >15 ft. or if horizontal is >150 ft. Specific instructions to be provided on back.  
 Effluent Filter Manufacturer Polylok  NA  
 Effluent Filter Model PL-525  
 Pump Manufacturer Goulds  NA  
 Pump Model WE07H  
 Pretreatment Unit  
 Manufacturer  NA  
 Mechanical Aeration  Peat Filter  
 Disinfection  Wetland  
 Sand/Gravel Filter  Other:  
 Soil Absorption System  NA  
 In-Ground (gravity)  In-Ground (pressurized)  
 At-Grade.  Mound (EXISTING)  
 Crp-Line  Other:  
 Other:  NA

**MAINTENANCE SCHEDULE**

Service Event	Service Frequency
Inspect condition of tank(s)	At least once every: <u>1.5</u> <input type="checkbox"/> month(s) <input type="checkbox"/> year(s) (Maximum 3 years) <input type="checkbox"/> NA
Pump out contents of tank(s)	<input type="checkbox"/> When combined sludge and scum equals one-third (1/3) of tank volume <input type="checkbox"/> NA <input type="checkbox"/> When the high water alarm is activated
Inspect dispersal cell(s)	At least once every: <u>1.5</u> <input type="checkbox"/> month(s) <input type="checkbox"/> year(s) (Maximum 3 years) <input type="checkbox"/> NA
Clean effluent filter	At least once every: <u>1.5</u> <input type="checkbox"/> month(s) <input type="checkbox"/> year(s) filters for house(s) and wedding barn <input type="checkbox"/> NA
Inspect pump, pump controls & alarm	At least once every: <u>1.5</u> <input type="checkbox"/> month(s) <input type="checkbox"/> year(s) <input type="checkbox"/> NA
Flush laterals and pressure test	At least once every: <u>1.5</u> <input type="checkbox"/> month(s)** <input type="checkbox"/> year(s)** recommend installing cleanouts on laterals** <input type="checkbox"/> NA
Other:	At least once every: <input type="checkbox"/> month(s) <input type="checkbox"/> year(s) <input type="checkbox"/> NA
Other:	<input type="checkbox"/> NA

**MAINTENANCE INSTRUCTIONS**

Inspections of tanks and dispersal cells shall be made by an individual carrying one of the following licenses or certifications: Master Plumber; Master Plumber Restricted Sewer; POWTS Inspector; POWTS Maintainer; Septage Servicing Operator (pumper). Tank inspections must include a visual inspection of the tank(s) to identify any missing or broken hardware, identify any cracks or leaks, measure the volume of combined sludge and scum and a check for any back up or ponding of effluent on the ground surface. The dispersal cell(s) shall be visually inspected to check the effluent levels in the observation pipes and to check for any ponding of effluent on the ground surface. The ponding of effluent on the ground surface may indicate a failing condition and requires the immediate notification of the local regulatory authority.

When the combined accumulation of sludge and scum in any treatment tank equals 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 chapter NR 113, Wisconsin Administrative Code.

All other services, including but not limited to the servicing of effluent filters, mechanical or pressurized components, pretreatment units, and any servicing at intervals of  $\leq 12$  months, shall be performed by a certified POWTS Maintainer.

A service report shall be provided to the local regulatory authority within 30 days of completion of any service event.

**START UP AND OPERATION**

For new construction, prior to use of the POWTS check treatment tank(s) for the presence of painting products, solvents or other chemicals that may impede the treatment process and/or damage the soil 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.

During extended power outages pump tanks may fill above normal highwater levels. When power is restored the excess wastewater will be discharged to the dispersal cell(s) in one large dose and may overload them resulting in the backup or surface discharge of effluent. To avoid this situation have the contents of the pump tank removed by a Septage Servicing Operator prior to restoring power to the affluent pump or contact a Plumber or POWTS Maintainer to assist in manually operating the pump controls to restore normal levels within the pump tank.

Do not drive or park vehicles over tanks and dispersal cells. Do not drive or park over, or otherwise disturb or compact, the area within 15 feet down slope of any mound or at-grade soil absorption area.

Reduction or elimination of the following from the wastewater stream may improve the performance and prolong the life of the POWTS: antibiotics; baby wipes; cigarette butts; condoms; cotton swabs; degreasers; dental floss; diapers; disinfectants; fat; foundation drain (sump pump) discharge; fruit and vegetable peelings; gasoline; grease; herbicides; meat scraps; medications; oil; painting products; pesticides; sanitary napkins; tampons; and water softener brine.

**ABANDONMENT**

When the POWTS fails and/or is permanently taken out of service the following steps shall be taken to insure that the system is properly and safely abandoned in compliance with chapter SPS 383.33, Wisconsin Administrative 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 removing contents, all tanks and pits shall be excavated and removed or their covers removed and the void space filled with soil, gravel or another 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 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.
- Mound and at-grade soil absorption systems may be reconstructed in place following removal of the blomat at the infiltrative surface. Reconstructions of such systems must comply with the rules in effect at that time.

**<<WARNING>>**

**TREATMENT TANKS AND HOLDING TANKS MAY CONTAIN POISONOUS GASSES AND LACK SUFFICIENT OXYGEN TO SUPPORT LIFE. NEVER ENTER A TREATMENT TANK OR HOLDING TANK UNDER ANY CIRCUMSTANCE. DEATH MAY RESULT. ESCAPE OR RESCUE FROM THE INTERIOR OF A TANK IS VERY DIFFICULT.**

**ADDITIONAL INFORMATION**

**POWTS INSTALLER**

Name	Royal Excavating
Phone	608-253-6426

**POWTS MAINTAINER**

Name	
Phone	

**SEPTAGE SERVICING OPERATOR (PUMPER)**

Name	
Phone	

**LOCAL REGULATORY AUTHORITY**

Name	Adams County Planning & Zoning
Phone	608-339-4222

This document is intended to meet minimum requirements of SPS 383.22(2)(b)(1)(d)&(f) and SPS 383.54(1), (2)&(3), Wis. Admin. Code.  
Zoning Form POWTS Management Plan (Rev. 8/23/16)