ORIGINAL

Wisconsin Department of Commerce
Division of Safety and Buildings

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: Dunn

Parcel I.D.: 271315.20205;2206

Reviewed by: JT

Date: JUL 5 2011

Property Owner: Mr. Robert Diderich

Property Owner's Mailing Address: 1128 Seine Drive

City / State / Zip Code / Phone Number: Lake Saint Louis | MO | 63367 | (636) 625-0820

Property Location: Govt. Lot SW 1/4 NW 1/4 S 15 T 27 N R 13 E (or) W

Lot # 1&2 | Block # ~ | Subd. Name or CSM#: Pinacle East

☐ City ☐ Village ☒ Town: Menomonie (T) | Nearest Road: 1420th St.

☒ New Construction ☐ Replacement

Use: ☒ Residential / Number of bedrooms 3 ☐ Public or commercial - Describe: ~

Code derived design flow rate 450 GPD

Parent material: loesses w/ blending outwashes

Flood Plain elevation if applicable: ~ ft.

General comments and recommendations: Recommend mound system w/ 0.67 sand lift, application rate Ø.6 756ft rock bed area flagged, on contour 99.1', system elev. 99.77' site area grassy, gentle sloping field, ground uneven

1o Boring # ☐ Boring ☒ Pit

Ground surface elev. 99.3 ft. Depth to limiting factor 31 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.	Ø-14	10YR 3/2		sil	2,m,abk	mfr	cs	2f	Ø.6	Ø.8
2.	14-24	10YR 4/4		sil	2,f,abk	mfr	gs	if	Ø.4	Ø.6
3.	24-31	10YR 4/6		sil	1,f,sbk	mfr	gs	if	Ø.4	Ø.6
4.	31-42	10YR 5/4	f2f 7.5YR 6/0 & 5/8	vf,s	Ø,sg	mfr	~	~	Ø.4	Ø.6

2. Boring # ☐ Boring ☒ Pit

Ground surface elev. 99.2 ft. Depth to limiting factor 38 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.	Ø-12	10YR 3/2		sil	2,m,abk	mfr	gs	2f	Ø.6	Ø.8
2.	12-28	10YR 4/4		sil	2,f,abk	mfr	gs	if	Ø.4	Ø.6
3.	28-38	10YR 5/4		vfs	Ø,sg	mfr	cs	~	0.4	Ø.6
4.	38-48	10YR 4/6	C2d 7.5YR 6/0 & 5/8	sil	massive				ØØ	Ø.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)	Signature	CST Number
Ms. Loretta LaRrabee	Loretta Larrabee	#224580

Address	Date Evaluation Conducted	Telephone Number
N2089 Cty Y, Menomonie, WI 54751	May 13th, 2011	715/664-8184

Property Owner Robert Diderich Parcel ID # _____ Page 2 of 3

3. Boring # ☐ Boring ☐ Pit Ground surface elev. 98.9 ft. Depth to limiting factor 28 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.	Ø-12	10YR 3/2		sil	d,m,abk	mfr	gs	vf	Ø.6	Ø.8
2.	12-25	10YR 4/4		sil	2,m,abk	mfr	gs	f	Ø.6	Ø.8
3.	25-28	10YR 5/4		vf,s	Ø,sg	mfr	gs	~	Ø.4	Ø.6
4.	28-38	10YR 5/4	C2d 7.5YR 6/+5/8	vf,s	Ø,sg	mfr	cs	~	Ø.4	Ø.6
5.	38-51	10YR 4/6	C2d 7.5YR 6/+5/8	sil	massive				Ø.Ø	Ø.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

☐ 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

SOIL AND SITE EVALUATION REPORT

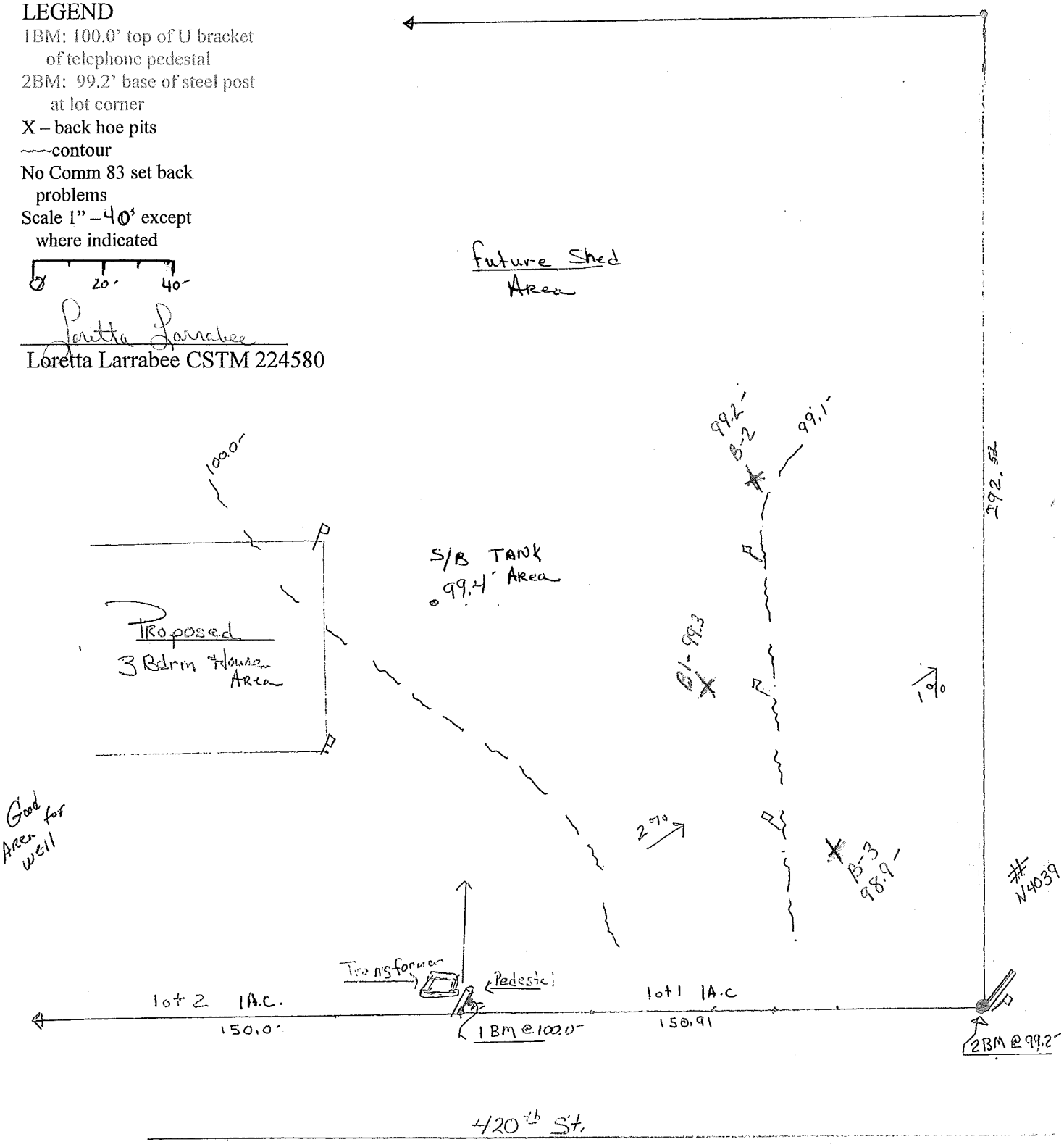
Robert Diderich
SW¼,NW¼,S15,T27N,R13W
Menomonie (S) township
Dunn county

ORIGINAL

LEGEND
1BM: 100.0' top of U bracket of telephone pedestal
2BM: 99.2' base of steel post at lot corner
X – back hoe pits
~~contour
No Comm 83 set back problems
Scale 1" – 40' except where indicated

0 20' 40'

Loretta Larrabee
Loretta Larrabee CSTM 224580



commerce.wi.gov
Wisconsin
Department of Commerce

Safety and Buildings
PO BOX 7162
MADISON WI 53707-7162
Contact Through Relay
www.commerce.wi.gov/sb/
www.wisconsin.gov

Scott Walker, Governor
Paul F. Jadin, Secretary

June 21, 2011

CUST ID No. 224580

LORETTA LARRABEE
L AN L PERC TESTING
N2089 CTY RD Y
MENOMONIE WI 54751

ATTN: POWTS Inspector

ZONING OFFICE
DUNN COUNTY SPIA
390 RED CEDAR ST
MENOMONIE WI 54751

CONDITIONAL APPROVAL
PLAN APPROVAL EXPIRES: 06/21/2013

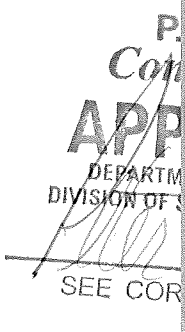
Identification Numbers
Transaction ID No. 1950367
Site ID No. 768278
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:
Robert Diderich - Dwelling
420TH St
Town of Menomonie, 54751
Dunn County
SW1/4, NW1/4, S15, T27N, R13W

FOR:
Description: **Mound**
Object Type: POWTS Component Manual Regulated Object ID No.: 1319957
Maintenance required; 450 GPD Flow rate; 28 in Soil minimum depth to limiting factor from original grade; System(s): Mound Component Manual - Version 2.0, SBD-10691-P (N.01/01), Pressure Distribution Component Manual - Version 2.0, SBD-10706-P (N.01/01); Effluent Filter

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 the 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:

1. **On page 3, the cleanout detail is incomplete. Extend the end of each lateral up with the use of a long turn or 45 degree fitting to a point within six inches of the final grade. Terminate the ends with a valve, threaded cap or threaded plug. Provide access from final grade for the valve, threaded cap or threaded plug. Refer to the drawings and description in the approved pressure distribution component manual.**

2. **On page 4, the aggregate in the dispersal cell shall conform to s. Comm 84.30(6)(i)., Wis. Adm. Code. The aggregate in the dispersal cell shall be covered with approved geotextile fabric that conforms to s. Comm 84.30(6)(g)., Wis. Adm. Code.**

3. **On page 5, the septic tank inlet detail is incorrect. The manhole cover shall not be buried more than 6 inches.**

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 Safety & Buildings 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 to the owner and any others who are responsible for the installation, operation or maintenance of the POWTS.

Sincerely,

Peter E Pagel
Private Sewage Plan Reviewer , Integrated Services
(608)266-2889 , M - F, 0600 - 1430 Hrs
pete.pagel@wisconsin.gov

Fee Required $	250.00
Fee Received $	250.00
Balance Due $	0.00

WiSMART code: 7633

cc: Leroy G Jansky, POWTS Wastewater Specialist, (715) 828-5902 , Monday, 7:00 A.M. To 3:30 P.M.

Notice: Starting July 1, 2009, no person or entity may engage or offer to engage in construction business in Wisconsin unless they hold a Building Contractor Registration, or equivalent, issued by the Safety and Buildings Division of the Wisconsin Department of Commerce.

> *"Construction business" means a trade that installs, alters or repairs any building element, component, material or device that is regulated under the commercial building code, chs. Comm 60 to 66, the uniform dwelling code, chs. Comm 20 to 25, the electrical code, ch. Comm 16, the plumbing code, chs. Comm 81 to 87, or the public swimming pools and water attractions code, ch. Comm 90. The term does not include the delivery of building supplies or materials, or the manufacture of a building product not on the building site.*

For further information, go to our website: www.commerce.wi.gov/SB/SB-BuildingContractorProgram.html

Private On-Site Wastewater Treatment System (POWTS)
Mound and Pressure Distribution Component Design

Residential application

Index and Title Sheet

Project Name: DIDERICH

Owner: Robert Diderich

Location: Lot 1 & 2 420th Street
Legal Description: SW,NW,15,27,N/R13W
Township/County: Menomonie township, Dunn county

Contents:

Designer's name and license no.: Loretta Larrabee license# 1872-007
address: N2089 Cty Rd. Y
Menomonie, WI 54751
phone: 715/664-8184
cell: 715/505-1628
e-mail: lanlperctesting@wwt.net

Designer's Signature: Loretta Larrabee

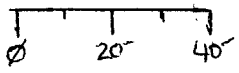
I the undersigned submitted these plans under my authority

Mound component manual for POWTS Version 2.0 SDB-10691-P (N.01/01), and SSWMP Publication 9.6 Design of Pressure Distribution Networks for ST-SAS (01/81)

SITE PLAN

Robert Diderich
SW¼,NW¼,S15,T27N/R13W
Menomonie (S) township
Dunn county

LEGEND
1BM: 100.0' top of U bracket of telephone pedestal
2BM: 99.2' base of steel post at lot corner
X – back hoe pits
~~~contour
No Comm 83 set back problems
Scale 1" – 40' except where indicated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GENERAL INFORMATION

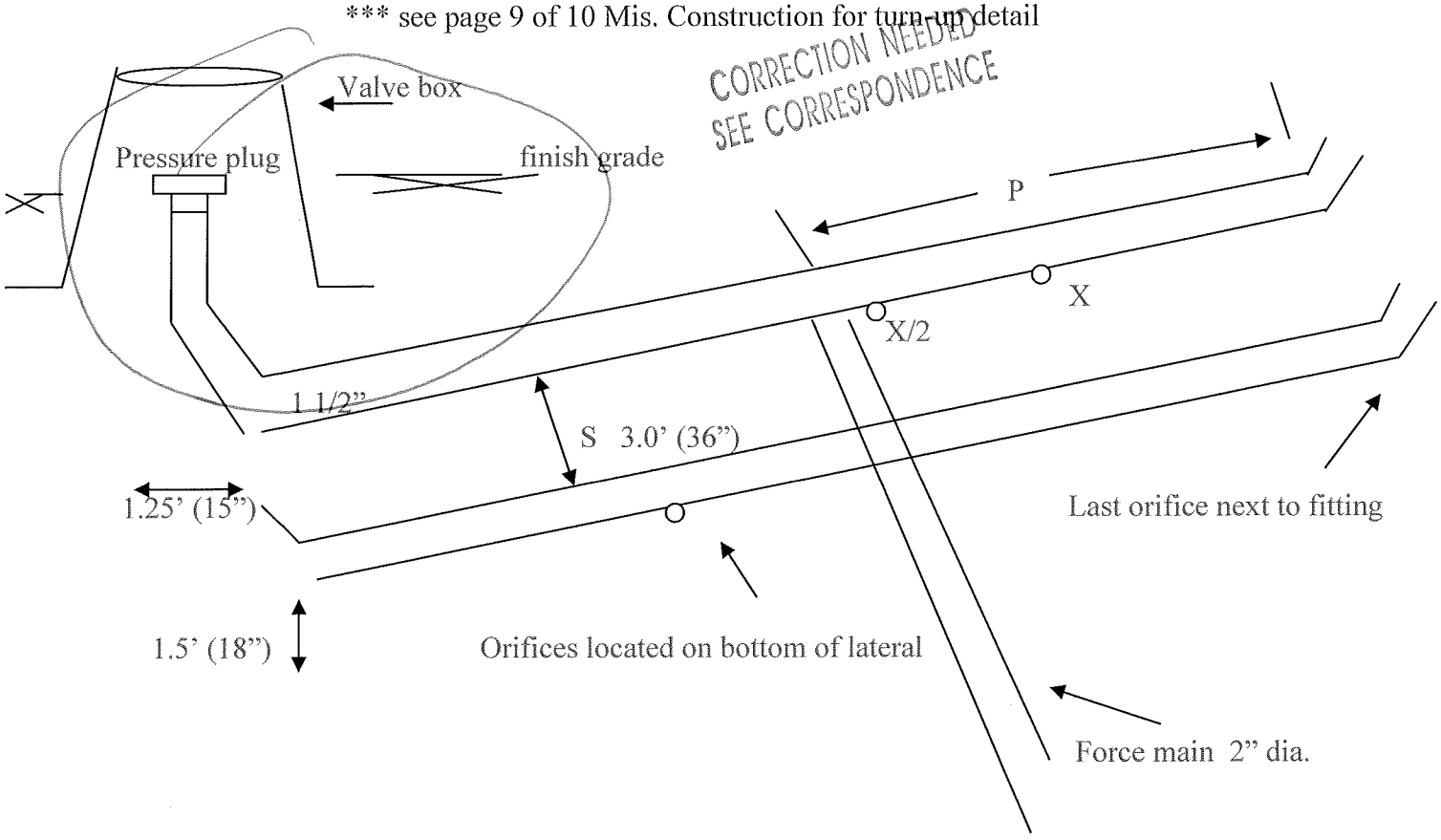
Three bedroom home, 450gal DWF
2.0% slope system area
0.6 soil application rate
28" limiting soil factor
1000/600 Wieser tank with Polylok 525 filter
effluent quality #1

center fed system w/4 laterals
dispersal cell design loading rate 1.0
linear rate
orifice sq/ft.

LATERAL LAYOUT DIAGRAM (not to scale)
Center Fed System

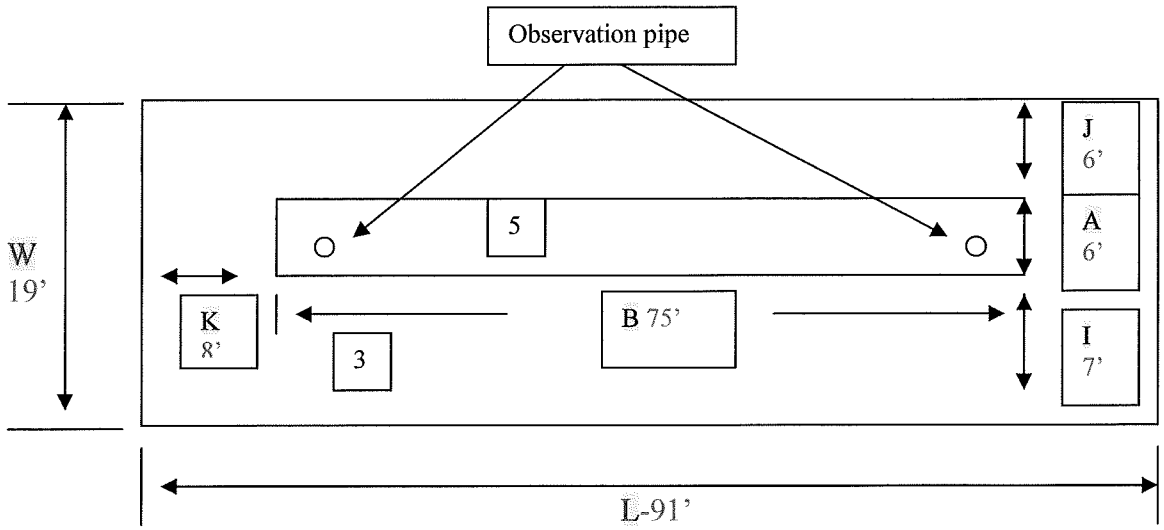
Number of laterals	4	orifice dia.	3/16in. (0.188')
Lateral dia.	1 ½"	orifice spacing (X)	30in. (2.5')
Lateral length (P)	36.25ft.	orifice spacing X/2	15in. (1.25')
Lateral spacing (S)	3.0ft.	orifices per lateral	15
Manifold length	3.0ft.	lateral discharge rate	9.9gpm
Manifold dia.	1 ½in.	total system rate	39.6gpm
Forcemain dia.	2.0in.		

*** see page 9 of 10 Mis. Construction for turn-up detail

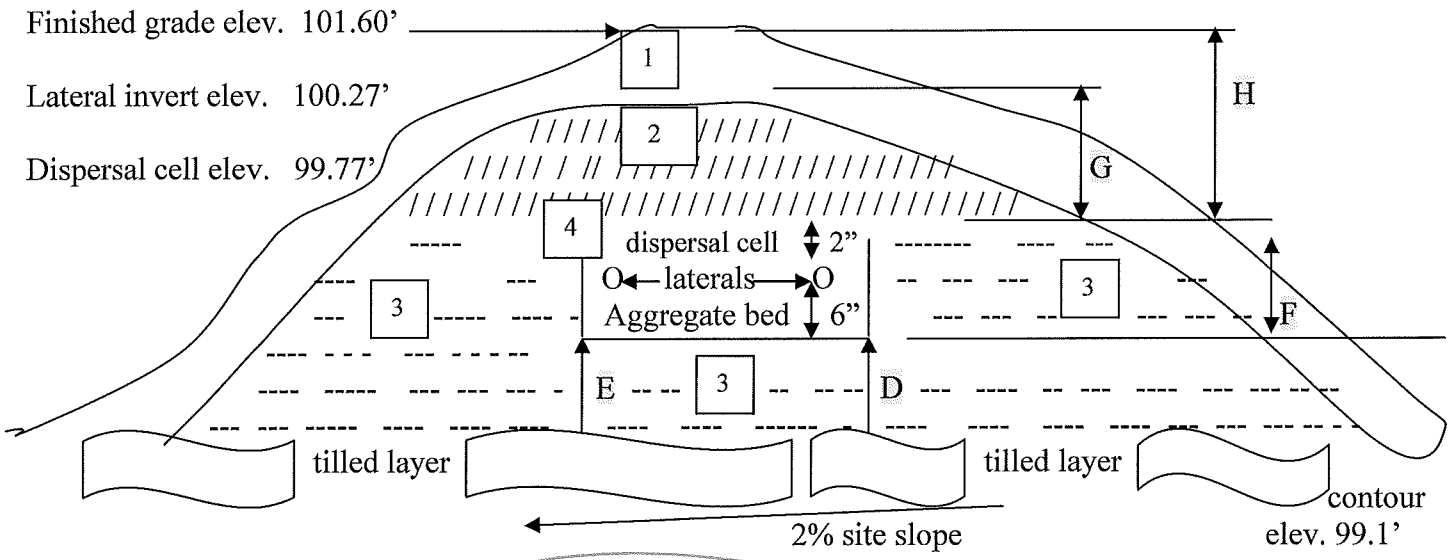


PLAN VIEW OF MOUND (not to scale)

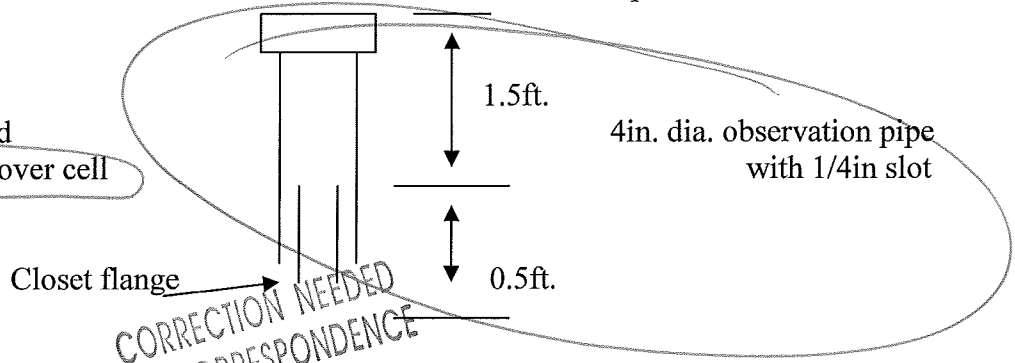
A= 6.0'	D= 0.67' (8")	J= 6.0'	required bed 450sq.ft.
B= 75.0'	E= 0.79' (9 ½")	I= 7.0'	proposed bed 450sq.ft.
	F= 0.83'	K= 8.0'	required basel area 750sq.ft.
	G= 0.50'	W= 19.0'	proposed basel area 975sq.ft.
	H= 1.00'	L= 91.0'	observation pipe 15@ ft.



Mound Cross Section View (not to scale)



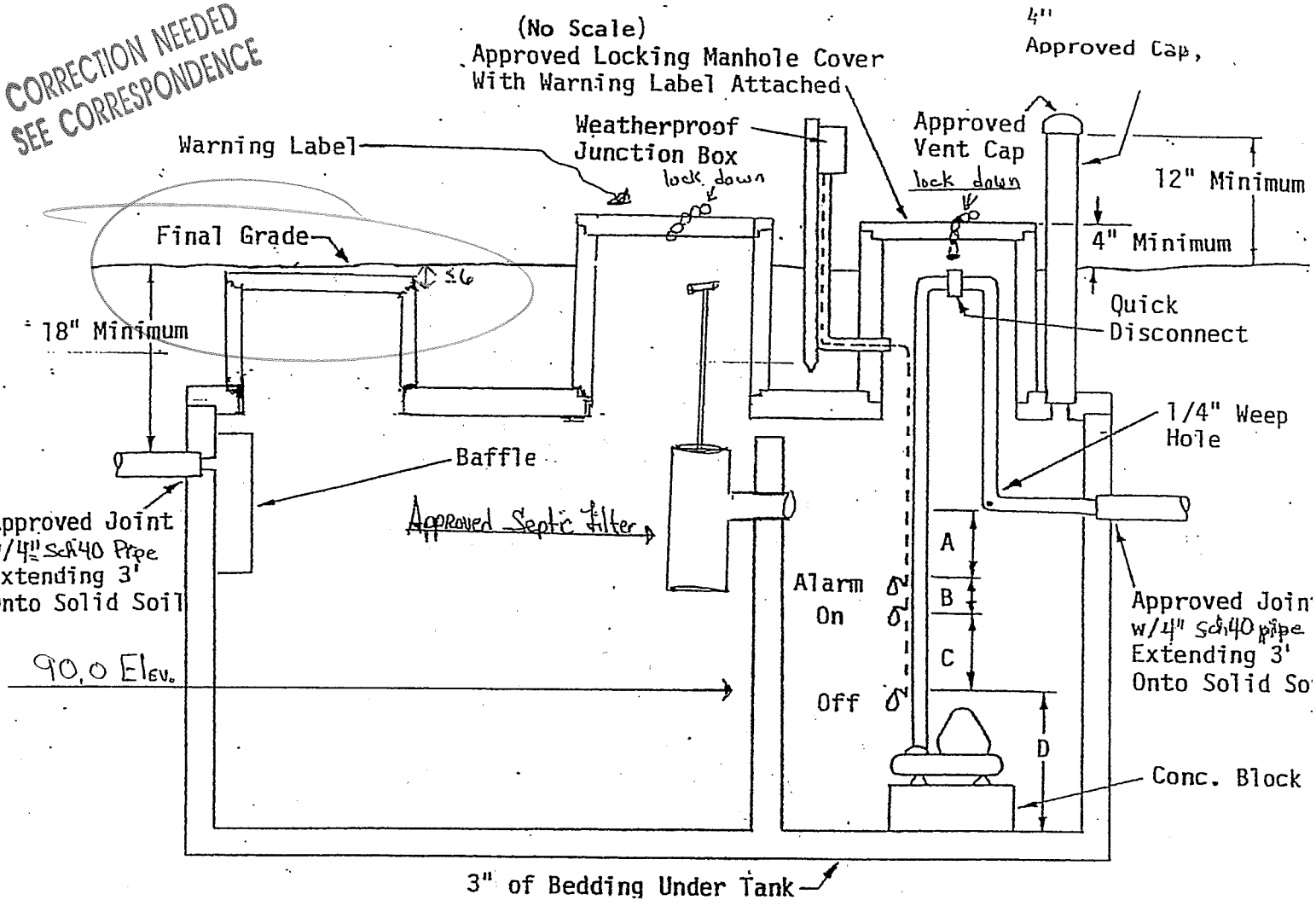
Numeral Key
1 topsoil cap
2 subsoil cap
3 ASTM C33 sand
4 synthetic cover over cell
5 aggregate



CORRECTION NEEDED
SEE CORRESPONDENCE

COMBINATION SEPTIC TANK / PUMP CHAMBER

CORRECTION NEEDED
SEE CORRESPONDENCE



*Note: Pump and Alarm Are On Separate Circuits

20% DWF = 90.0 gals
5* laterals = 66.7 gals
+M. void = 17.12 gals
83.8 gal thru 107.12 gals dose

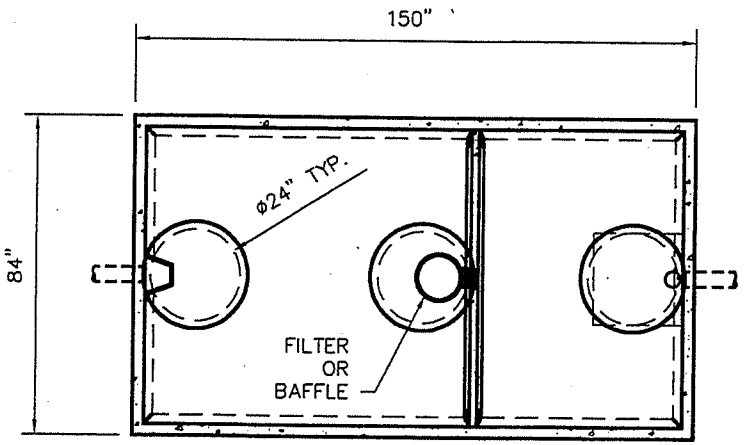
Tank Manufacturer: Wieser Concrete
Tank Size-Septic/Pump: 1000/600 LP Gallons
Alarm Manufacturer: S. J. Electro
Model Number: S-J1
Switch Type: Mechanical
Pump Manufacturer: Zoeller
Model Number: #140
Minimum Discharge Rate: 40 GPM

Capacities: A 18 inches or 301.68 Gallons
+ B 2 inches or 33.52 Gallons
+ C 6 inches or 100.56 Gallons
+ D 10 inches or 167.60 Gallons
Total.....= 36 inches or 603.36 Gallons

Vertical Difference Between Pump Off and Distribution Pipe: 10.27 Feet
Minimum Required Supply Pressure: 2.55 x .43 ..... +3.25 Feet
105 Feet of Force Main x 3.30 Friction Factor/100 Feet: +3.47 Feet
2 Inch Diameter Force Main
Total Dynamic Head:...= 16.99 Feet

gal/Pn 16.76

WLP1000 600-MR
TANK SPECIFICATIONS



TOP VIEW

DIMENSIONS:
- WALL: 3"
- BOTTOM: 3"
- COVER: 5"
- MANHOLE: 24" I.D. PRECAST CONCRETE RISER
- HEIGHT: 56" O.D.
- LENGTH: 150" O.D.
- WIDTH: 84" O.D.
- BELOW INLET: 42" O.D.
- LIQUID LEVEL: 36"
- WEIGHT: BOTTOM 14,970 LBS.

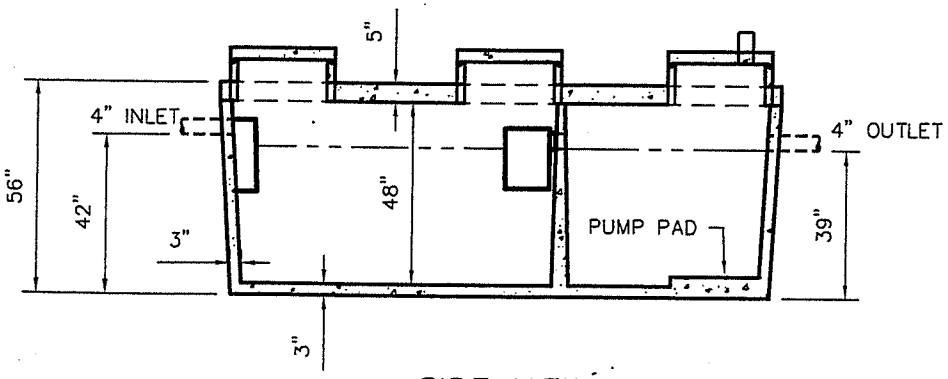
INLET AND OUTLET:
- 4" CAST-A-SEAL BOOT OR EQUAL
- GASKET, CAST-A-SEAL BOOT OR EQUAL

INLET AND OUTLET BAFFLE AND FILTER:
- WISCONSIN, SEE DETAIL #10
- (OTHER STATES SEE CHART)

LIQUID CAPACITY: 27.88 GAL/IN (SEPTIC)
16.76 GAL/IN (PUMP)

LOADING DESIGN: 8' 0" UNSATURATED SOIL

MN TANKS:
- WILL HAVE ONE VENT OVER OUTLET
- AND WILL HAVE TWO VENTS IN COVER OVER INLET



SIDE VIEW

TANK CAN BE USED AS:
- SEPTIC/ HOLDING/ PUMP OR SIPHON
- OR SEPTIC/SIPHION

CUSTOMIZED TANKS:
- TANKS CAN BE CUSTOMIZED CONTACT WIESER CONCRETE

TANKS ARE MANUFACTURED TO MEET OR EXCEED ASTM C-1227 REQUIREMENTS

REV NO.	DATE:

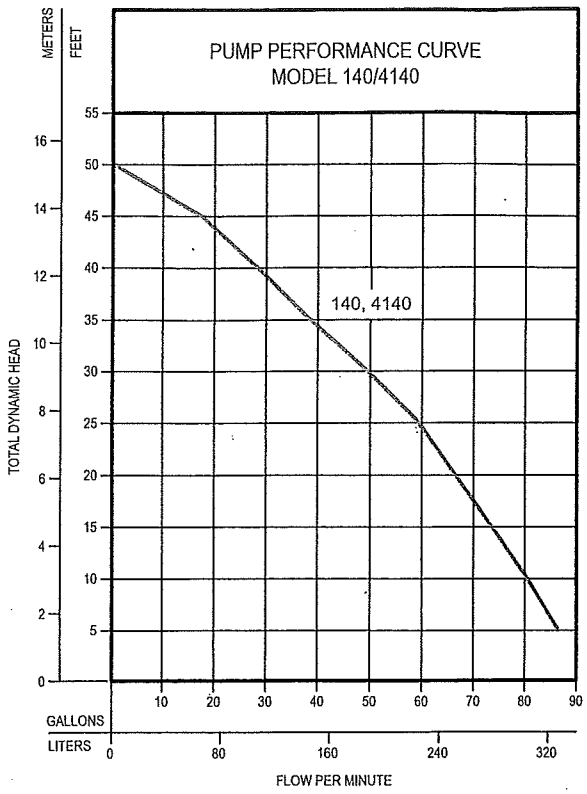
SCALE: 1/4" = 1'
DRAWN BY: SWT
DATE: JANUARY 2008
FILE: WLP1000 600-MR

WIESER CONCRETE
W3716 US HWY10. MAIDEN ROCK, WI 54750
800-325-8456

WLP1000 600-MR
SEPTIC MANUAL
REV. JAN. 2008

SHEET NO.
0 OF

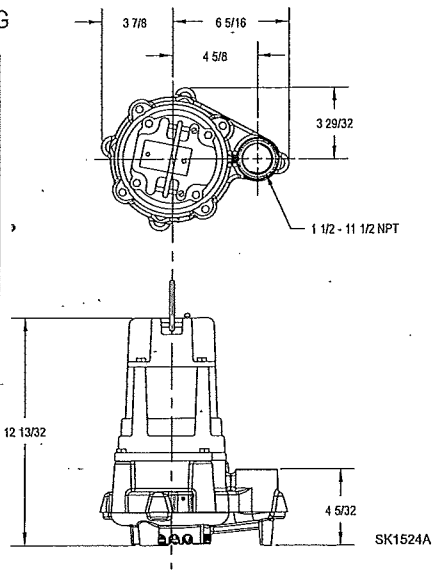
Project : DIDERICH



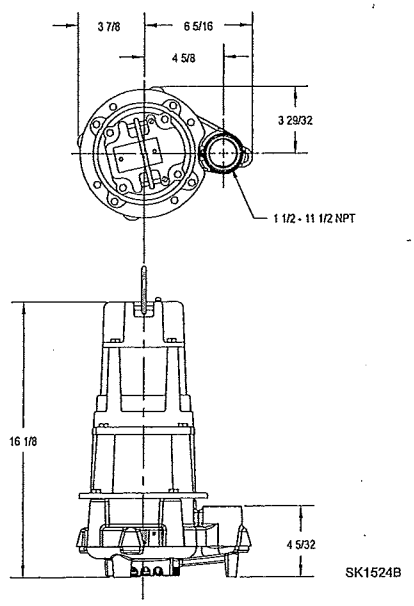
TOTAL DYNAMIC HEAD/FLOW
PER MINUTE
EFFLUENT AND DEWATERING

MODEL		140/4140	
Feet	Meters	Gal.	Liters
5	1.5	86	326
10	3.0	80	303
15	4.6	73	276
20	6.1	66	250
25	7.6	59	223
30	9.1	49	185
35	10.7	38	144
40	12.2	28	106
45	13.7	17	64
Shut-off Head:		50 ft.(15.2m)	

Single Seal Design
Weight 43 lbs.



Double Seal Design
Weight 63 lbs.



CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Electrical alternators, for duplex systems, are available and supplied with an alarm.
- Mechanical alternators, for duplex systems, are available with or without alarms.
- Control alarm systems are available for 1 phase pumps used in simplex system. See FM0732.
- Variable level control switches are available for controlling single phase systems.
- Double piggyback variable level float switches are available for variable level long cycle controls.
- Sealed Qwik-Box available for outdoor installations. See FM1420.
- Refer to FM0806 for applications above 130°F (54°C).

140/4140 MODELS					Control Selection	
Model	Model	Volts-Ph	Mode	Amps	Simplex	Duplex
N140	N4140	115 1	Non	12.0	1 or 2	3
E140	E4140	230 1	Non	6.0	1 or 2	3
BN140	BN4140	115 1	Auto	12.0	*	---
BE140	BE4140	230 1	Auto	6.0	*	---

*Single piggyback switch included.

SELECTION GUIDE

1. For automatic use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
2. See FM1228 for correct model of simplex control panel.
3. See FM0712 for correct model of duplex control panel.

⚠ 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 Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).

RESERVE POWERED DESIGN

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

www.zoeller.com

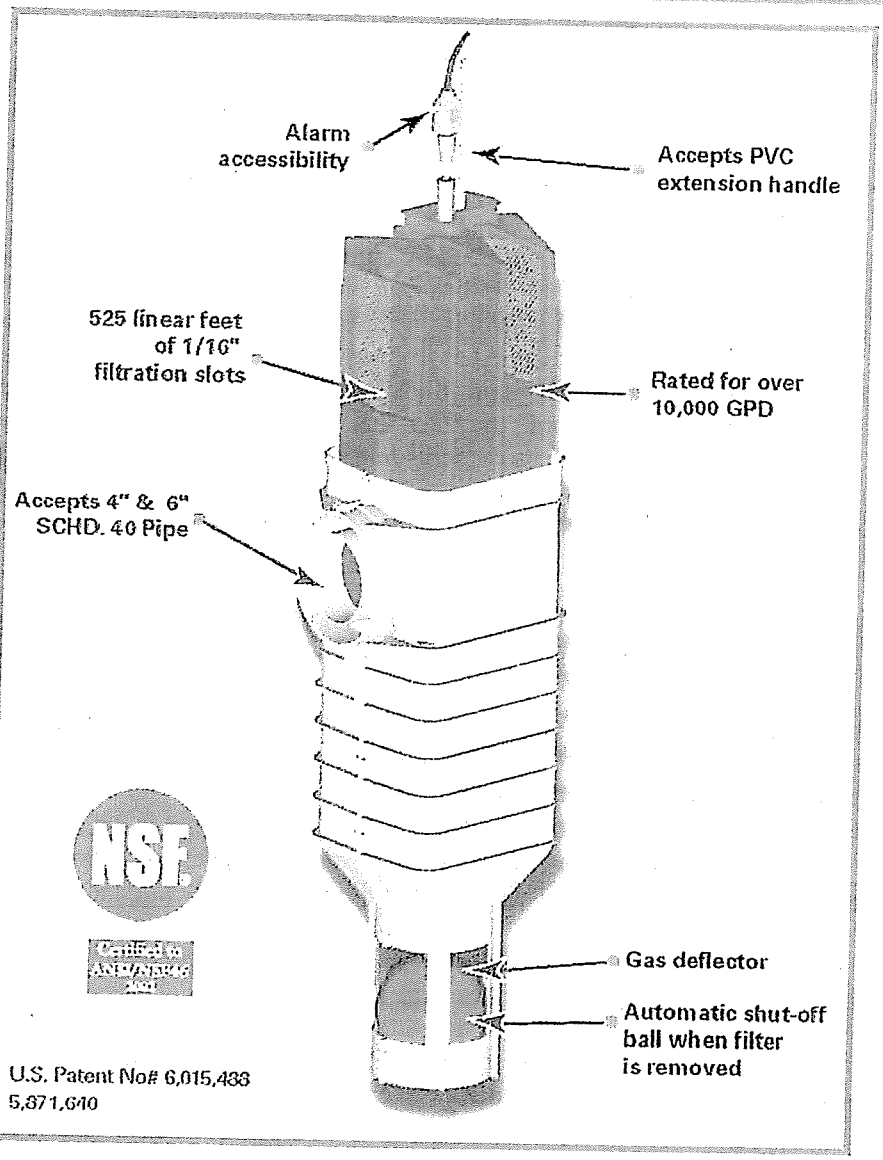
ZOELLER PUMP CO.

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

Manufacturers of..
"Quality Pumps Since 1939"

PL-525 EFFLUENT FILTER (COMMERCIAL)

Polylok, Inc is pleased to add its new commercial filter to its existing line of quality effluent filters. The PL-525 is rated for over 10,000 GPD (gallons per day) making it one of the largest commercial filters in its class. It has 525 linear feet of 1/16" filtration slots. Like the Polylok PL-122, the new 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. ***No other filter on the market can make that claim!***



PL-525 Maintenance:

The PL-525 Effluent Filter should 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 out of the housing.
5. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
6. Insert the filter cartridge back into the housing making sure the filter is properly aligned and completely inserted.
7. Replace septic tank cover.

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 & Lok or piece of pipe to center filter.
4. Insert the PL-525 filter into its housing.
5. Replace the septic tank cover.

project: DIDERICH

Mound System Management Plan

Pursuant to Comm 83.54, Wis. Adm. Code

General

This system shall be operated in accordance with Comm 82-84 Wis. Adm. Code. And shall maintained in accordance with its component manuals and local or state rules pertaining to system maintenance and maintenance reporting.

No one should ever enter a septic or pump tank since dangerous gases may be present that could cause death.

Septic and pump tank abandonment shall be in accordance with Comm 83.33, Wis. Adm. Code when the tanks are no longer used as POWTS components.

Septic or pump tank manhole risers, access risers and covers should be inspected for water tightness and soundness. Access openings used for service and assessment shall be sealed watertight upon the completion of service. Any opening deemed unsound, defective, or subject to failure must be replaced. Exposed access openings $\geq$ 8" in diameter shall be secured by an effective locking device to prevent accidental or unauthorized entry into a tank or component.

Septic Tank

The septic tank shall be maintained by an individual certified to service septic tanks under s.281.48, Stats. The contents of the septic tank shall be disposed of in accordance with NR 113, Wis Adm. Code. The operating condition of the septic tank and outlet filter shall be assessed at least once every 3 years by inspection.

The outlet filter shall be cleaned as necessary to ensure proper operation. The filter cartridge should not be removed unless provisions are made to retain solids in the tank that may slip off the filer when removed from its enclosure. If the filter is equipped with an alarm, the filter shall be serviced if the alarm is activated continuously.

The septic tank shall have its contents removed when the volume of sludge and scum in the tank exceeds 1/3 the liquid volume of the tank. If the contents of the tank are not removed at the time of a triennial assessment, maintenance personal shall advise the owner of when the next service needs to be done to maintain less than maximum scum and sludge accumulation in the tank.

Pump Tank

The pump (dosing) tank shall be inspected at least once every 3 years. All switches, alarms and pumps shall be tested to verify proper operation. If an effluent filter is installed within the tank it shall be inspected and serviced as necessary.

Mound and Pressure Distribution System

No trees or shrubs should be planted on the mound. Plantings maybe made around the mound's perimeter and the mound shall be seeded and mulched as necessary to prevent erosion and to provide some protection from frost penetration. Traffic (other than for vegetative maintenance) on the mound is not recommended since soil compaction may hinder aeration of the surface within the mound and snow compaction in the winter will promote frost penetration. Cold weather installations dictate that the mound be heavily mulched as protection from freezing.

Influent flow may not exceed maximum design flow specified in the permit for this installation.

The pressure distribution system is provided with a flushing point at the end of each lateral and it is recommended that each lateral be flushed at least once every 18months. When a pressure test is performed is should be compared to the initial test when the system was installed to determine if orifice clogging has occurred, if clogging has occurred orifice cleaning is required to maintain equal distribution within the cell.

Observation pipes within the dispersal cell shall be checked for effluent ponding. Ponding levels shall be reported to the owner and any levels above 6" considered impending failure requiring additional, more frequent monitoring.

Contingency Plan

If the septic tank or any of its components become defective the tank or components shall be repaired or replaced to keep the system in proper operating condition.

If the dosing tank or its components become defective the defective components(s) shall be immediately repaired or replaced with a component of same or equal performance.

If the mound fails to accept wastewater or discharges wastewater to the ground surface, it will be repaired or replaced. Increasing basal area if toe leakage or by removing biologically clogged absorption and dispersal media and related piping and replacing components as deemed necessary to bring the system into proper operating condition.

See page 10 of this plan for the name and telephone number of your local POWTS regulator and service provider.

Mound System Maintenance and Operation Specifications

Service Provider's Name: Hurlburt Heating & Plumbing Inc. Phone: 715/283-4422

POWTS Regulator's Name: Dunn County Zoning Phone: 715/231-6521

System Flow and Load Parameters

Design Flow – Peak	450gpd	Maximum Influent Particles Size	1/8in
Estimated Flow – Average	300gpd	Maximum BOD5	220mg/L
Septic tank Capacity	1000gals	Maximum TSS	150mg/L
Soil absorption component Size	450bed	Maximum FOG	30mg/L
Type of Wastewater	Domestic	Maximum Fecal Coliform	>10E4 cfu/100mL

Service Frequency

Septic and Pump Tank --------Inspect and/or service once every 3 years
Effluent Filter----------Should inspect and clean at least once every 3 years
Pump and Controls ----------Test once every 3 years
Alarm----------Should test every 6months
Pressure System ----------Laterals should be flushed and pressure tested every year
Mound ----------Inspect for ponding and seepage once every 1 year
Other----------Initially filter should be checked yearly to determine service schedule

Miscellaneous Construction and Materials Standards

1. Observation pipes are slotted and materials conform to Table Comm 84.30-1, have a watertight cap and are secured as shown in the mound component manual.
2. Dispersal cell aggregate conforms to Comm 84.30 (6)(I), Wis. Adm. Code.
3. All gravity and pressure piping materials conform to the requirements in Comm 84, Wis. Adm. Code.
4. Tillage of the basal area is accomplished with a mold board or chisel plow.
5. The mound structure and other disturbed areas will be seeded and mulched to prevent soil erosion and help reduce frost penetration
6. Lateral Turn-up to finish at grade or above, enclosed in a 6-8" diameter lawn sprinkler valve box or similar product. (lateral turn-up consists of a long sweep 90 or two 45degree bends same diameter as lateral)
7. Lateral Turn-up on end of distribution laterals after the last orifice.