

**PRIVATE SEWAGE SYSTEM
INSPECTION REPORT
(ATTACH TO PERMIT)**

County: <i>Jackson</i>
Sanitary Permit No.: <i>291134</i>
State Plan ID No.: <i>220129</i>
Parcel Tax No.: <i>034-0250.0000</i>

GENERAL INFORMATION

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

Permit Holder's Name: <i>JEFF SUTTON</i>	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town of: <i>Melrose</i>	
CST BM Elev.: <i>100</i>	Insp. BM Elev.: <i>100</i>	BM Description: <i>Top of White Sideline</i>

TANK INFORMATION

TYPE	MANUFACTURER	CAPACITY
Septic	<i>A/S Concrete</i>	<i>1000</i>
Dosing	<i>A/S Concrete</i>	<i>600</i>
Aeration		
Holding		

ELEVATION DATA

STATION	BS	HI	FS	ELEV.
Benchmark	<i>2.20</i>	<i>102.20</i>		<i>100</i>
Bldg. Sewer			<i>6.78</i>	<i>95.47</i>
St / H ₁ Inlet			<i>7.82</i>	<i>94.38</i>
St / H ₁ Outlet			<i>8.07</i>	<i>94.13</i>
Dt Inlet			<i>11.40</i>	<i>90.80</i>
Dt Bottom				
Header / Man.				
Dist. Pipe (<i>1.5" PVC</i>)			<i>2.50</i>	<i>99.70</i>
Bot. System (<i>Sand Lift</i>)			<i>3.0</i>	<i>99.20</i>
Final Grade				
<i>C/L</i>			<i>4.0</i>	<i>93.20</i>

TANK SETBACK INFORMATION

TANK TO	P/L	WELL	BLDG.	Vent to Air Intake	ROAD
Septic	<i>>50'</i>	<i>>30'</i>	<i>>20'</i>	<i>-</i>	<i>NA</i>
Dosing	<i>>50'</i>	<i>>30'</i>	<i>>20'</i>	<i>>20'</i>	<i>NA</i>
Aeration					<i>NA</i>
Holding					

PUMP/SIPHON INFORMATION

Manufacturer	<i>GOULDS</i>		Demand
Model Number	<i>EP0411 (3871)</i>		<i>30 GPM</i>
TDH	Lift	Friction Loss	System Head
		<i>7.5</i>	<i>2.5</i>
Forcemain	Length <i>75</i>	Dia. <i>2"</i>	Dist. To Well <i>>40'</i>

SOIL ABSORPTION SYSTEM

BED/TRENCH DIMENSIONS	Width	Length	No. Of Trenches	PIT DIMENSIONS	No. Of Pits	Inside Dia.	Liquid Depth
	<i>5'</i>	<i>75'</i>	<i>1</i>				
SETBACK INFORMATION	SYSTEM TO	P/L	BLDG	WELL	LAKE/STREAM	LEACHING CHAMBER OR UNIT	Manufacturer:
Type Of System: <i>W/ Mound</i>	<i>>50'</i>	<i>>50'</i>	<i>>50'</i>	<i>>150'</i>			Model Number:

DISTRIBUTION SYSTEM

Header / Manifold Length _____ Dia. _____	Distribution Pipe(s) Length <i>72'</i> Dia. <i>2"</i> Spacing <i>2.5'</i>	x Hole Size <i>1/4"</i>	x Hole Spacing <i>3'</i>	Vent To Air Intake <i>ds Pipe</i>
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SOIL COVER

Pressure Systems Only Mound Or At-Grade Systems Only

Depth Over Bed / Trench Center <i>18"</i>	Depth Over Bed / Trench Edges <i>16-18"</i>	xx Depth Of Topsoil <i>3-4"</i>	xx Seeded / Sodded <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	xx Mulched <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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COMMENTS: (Include code discrepancies, persons present, etc.)

System installed while Inspector was on vacation -
Clearance provided by Installer, system inspected
on 8-5-99.
Installed per plans

*Mark Hiltz
Dan Kunze
Joe Savage*

Plan revision required? Yes No
Use other side for additional information.

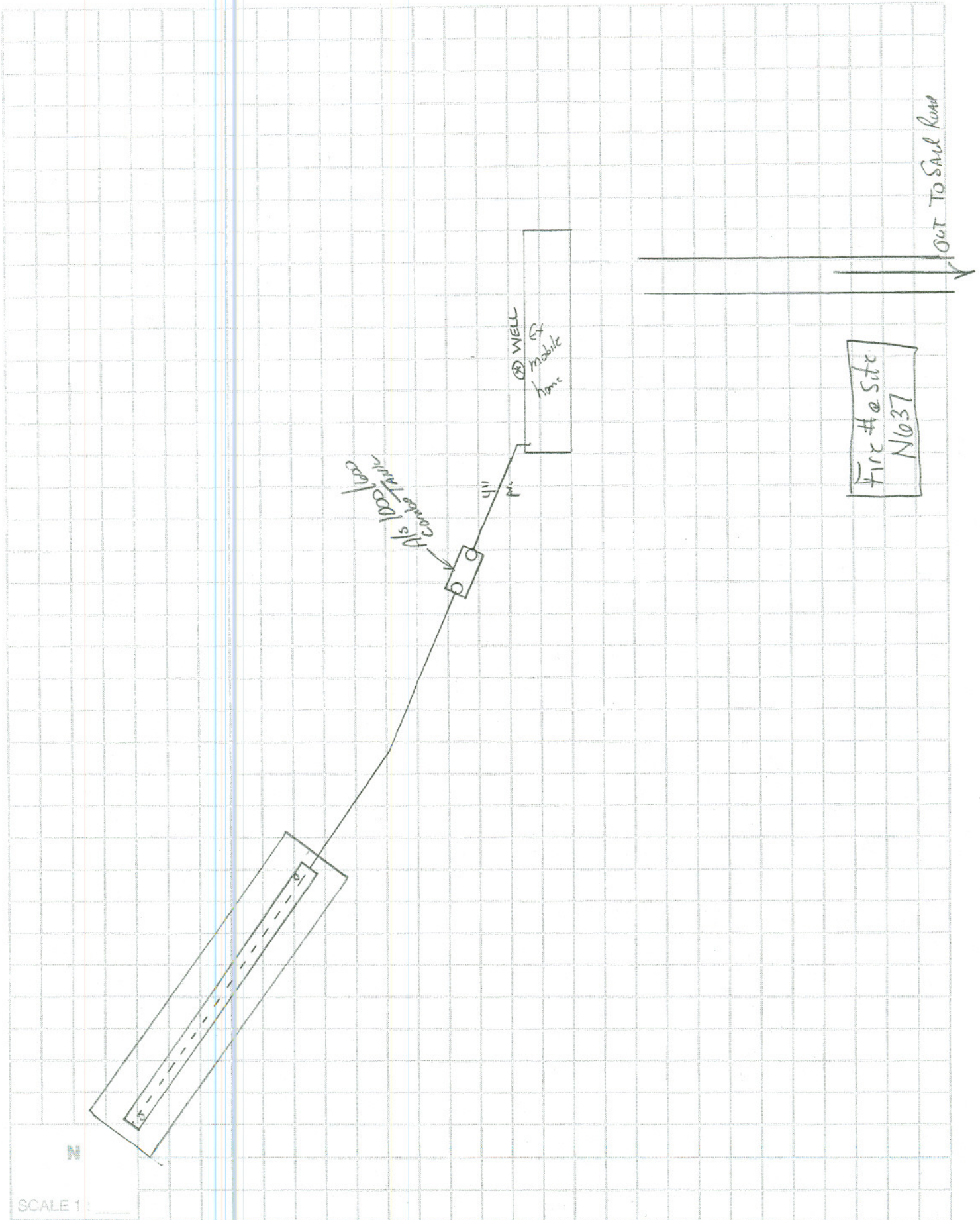
(Installer)
7 29 99

[Signature]

228196

ADDITIONAL COMMENTS AND SKETCH

SANITARY PERMIT NUMBER: 291134





SANITARY PERMIT APPLICATION

In accord with ILHR 83.05, Wis. Adm. Code

Safety and Buildings Division
Bureau of Building Water Systems
201 E. Washington Ave.
P.O. Box 7969
Madison, WI 53707-7969

- Attach complete plans (to the county copy only) for the system, on paper not less than 8 1/2 x 11 inches in size.
- See reverse side for instructions for completing this application

The information you provide may be used by other government agency programs [Privacy Law, s. 15.04 (1) (m)].

County Jackson
State Sanitary Permit Number 291134
<input type="checkbox"/> Check if revision to previous application
State Plan I.D. Number 220129

I. APPLICATION INFORMATION - PLEASE PRINT ALL INFORMATION

Property Owner Name Jeff Sutton		Property Location NW 1/4 SE 1/4, S 29 T 19 N, R 5 E (or) W	
Property Owner's Mailing Address 10725 Spring St.		Lot Number _____	Block Number _____
City, State Sturtevant, WI	Zip Code 53177	Phone Number (414) 884-0801	Subdivision Name or CSM Number _____

II. TYPE OF BUILDING: (check one) State Owned

Public 1 or 2 Family Dwelling - No. of bedrooms _____

City Village Town OF **Melrose** Nearest Road **Sand Rd**

III. BUILDING USE: (If building type is public, check all that apply)

Parcel Tax Number(s)
034-0250.0000

1 <input type="checkbox"/> Apartment / Condo	6 <input type="checkbox"/> Medical Facility / Nursing Home	10 <input type="checkbox"/> Outdoor Recreational Facility
2 <input type="checkbox"/> Assembly Hall	7 <input type="checkbox"/> Merchandise: Sales / Repairs	11 <input type="checkbox"/> Restaurant / Bar / Dining
3 <input type="checkbox"/> Campground	8 <input type="checkbox"/> Mobile Home Park	12 <input type="checkbox"/> Service Station / Car Wash
4 <input type="checkbox"/> Church / School	9 <input type="checkbox"/> Office / Factory	13 <input type="checkbox"/> Other: specify _____
5 <input type="checkbox"/> Hotel / Motel		

IV. TYPE OF PERMIT: (Check only one box on line A. Check box on line B, if applicable)

A) 1. New System 2. Replacement System 3. Replacement of Tank Only 4. Reconnection of Existing System 5. Repair of an Existing System

B) A Sanitary Permit was previously issued. Permit Number _____ Date Issued _____

V. TYPE OF SYSTEM: (Check only one)

Non-Pressurized Distribution	Pressurized Distribution	Experimental	Other
11 <input type="checkbox"/> Seepage Bed	21 <input checked="" type="checkbox"/> Mound	30 <input type="checkbox"/> Specify Type _____	41 <input type="checkbox"/> Holding Tank
12 <input type="checkbox"/> Seepage Trench	22 <input type="checkbox"/> In-Ground Pressure		42 <input type="checkbox"/> Pit Privy
13 <input type="checkbox"/> Seepage Pit			43 <input type="checkbox"/> Vault Privy
14 <input type="checkbox"/> System-In-Fill			

VI. ABSORPTION SYSTEM INFORMATION:

1. Gallons Per Day 450	2. Absorp. Area Required (sq. ft.) 375	3. Absorp. Area Proposed (sq. ft.) 375	4. Loading Rate (Gals/day/sq. ft.) 1.2 ASTM 33 mound SIPP	5. Perc. Rate (Min./inch) -	6. System Elev. 99.0 Feet	7. Final Grade Elevation _____ Feet
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VII. TANK INFORMATION

	Capacity in gallons		Total Gallons	# of Tanks	Manufacturer's Name	Prefab. Concrete	Site Constructed	Steel	Fiber-glass	Plastic	Exper. App.
	New Tanks	Existing Tanks									
Septic Tank or Holding Tank	1000		1000	1	AI's Concrete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lift Pump Tank / Siphon Chamber	600		600	1	AI's Concrete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VIII. RESPONSIBILITY STATEMENT

I, the undersigned, assume responsibility for installation of the onsite sewage system shown on the attached plans.

Plumber's Name: (Print) **Mark Hiltz** Plumber's Signature: (No Stamps) *Mark Hiltz* MP/MPSRW No.: **224686** Business Phone Number: **284-1530**

Plumber's Address (Street, City, State, Zip Code): **16 S. Roosevelt Rd. BIR R. Falls WI 54615**

IX. COUNTY / DEPARTMENT USE ONLY

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	Sanitary Permit Fee (Includes Groundwater Surchage Fee) \$206.00	Date Issued 7-19-99	Issuing Agent Signature (No Stamps) <i>Tey A. K...</i>
<input type="checkbox"/> Owner Given Initial	<input type="checkbox"/> Adverse Determination			

X. CONDITIONS OF APPROVAL / REASONS FOR DISAPPROVAL:

**1) WELL must be LOCATED: $\geq 25'$ to Septic Tank
 $\geq 50'$ to Absorption Field**

SANITARY PERMIT

No 291134

OWNER JEFF SUTTON

PLUMBER Dan Burk plug LIC. # 224686

TOWN OF Melrose LOCATED NW 1/4
SE 1/4 SEC 29 T 19 N; R 5W

AND/OR LOT - BLOCK -
- SUBDIVISION

Terry A. Schmidt AUTHORIZED ISSUING OFFICER - DATE 7-19-99

THIS PERMIT EXPIRES 7-19-2001 UNLESS RENEWED BEFORE THAT DATE
(TWO YEARS FROM ORIGINAL DATE OF ISSUANCE)

POST IN PLAIN VIEW

VISIBLE FROM THE ROAD FRONTING THE LOT
DURING CONSTRUCTION

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 in force on the date of issue.
 - (c) The sanitary permit is valid for 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.

Mound Cover Sheet

RECEIVED
APR - 9 1999
SAFETY & BLDGS DIV.

LOCATION: NW 1/4 SE 1/4 S 29 T 19N R 5W

TOWN: Melrose

COUNTY: Jackson

DATE: 4-6-99

OWNER: Jeff Sutton

ADDRESS: 10725 Spring St. Sturtevant, WI 53177

Designer: Mark Palmer

ADDRESS: 1127128 Lundstrom Rd., Blair, WI 54616

LICENSE: 1508-007

SIGNATURE: Mark Palmer Date: 4-5-99

ATTACHMENTS:

- PAGE 1: Plot Plan
- PAGE 2: Plan View Cross Section
- PAGE 3: Pipe Lateral Layout
- PAGE 4: Tank Specs.
- PAGE 5: Pump Curve
- PAGE 6:
- PAGE 7:
- PAGE 8:
- TOTAL PAGES:



APPROVED
7-19-99

P.O.W.T.S.
Conditionally
APPROVED
DEPARTMENT OF COMMERCE
DIVISION OF SAFETY AND BUILDINGS
[Signature]
SEE CORRESPONDENCE

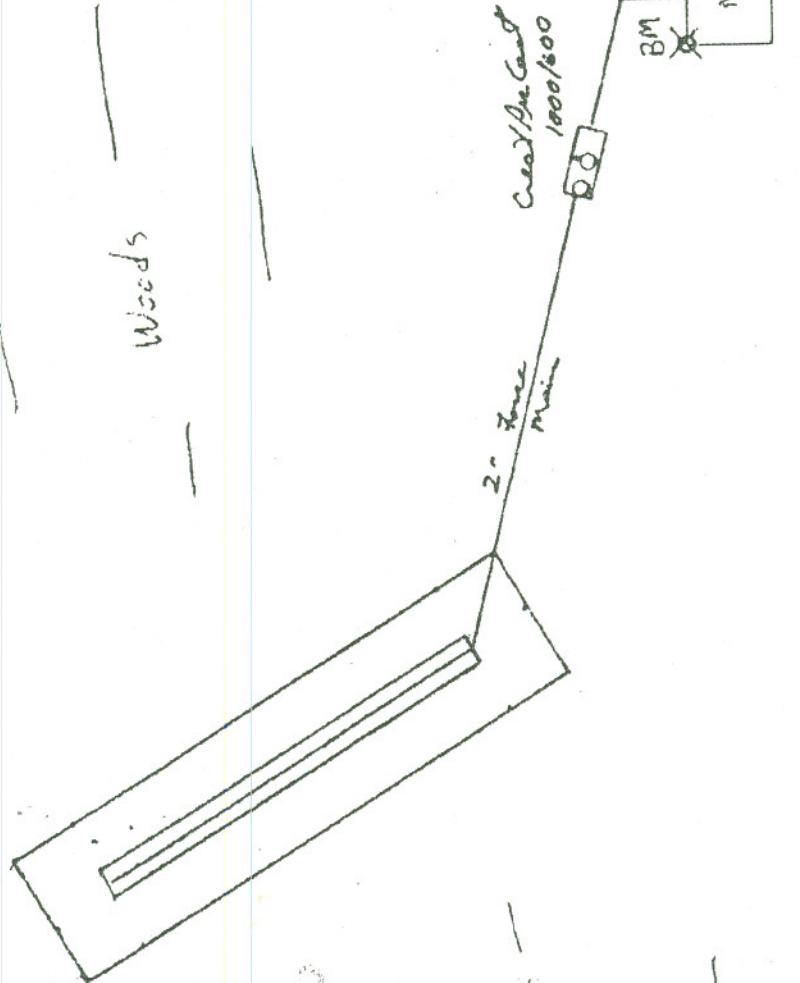
Jeff Suttan
16725 Spring St
Sturtevant, WI 53177

Plot Plan

Scale: 1" = 30'

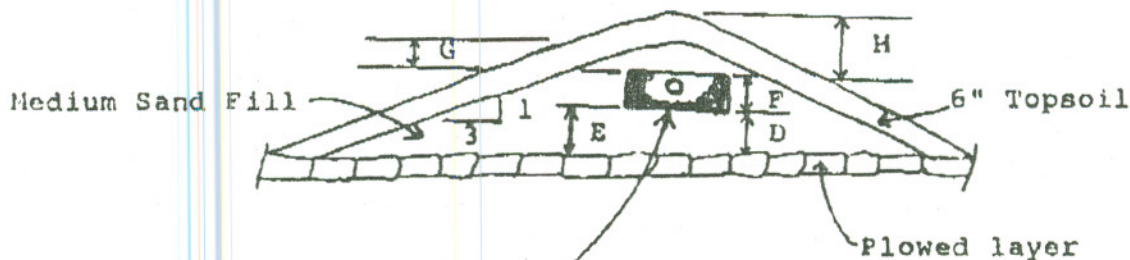


Lot lines
not critical



Mark Suttan
16725 Lindstrom Rd.
Blair, WI 54616
MSD 3-19-99

Cross Section Of A Mound Using A Trench For The Absorption Area

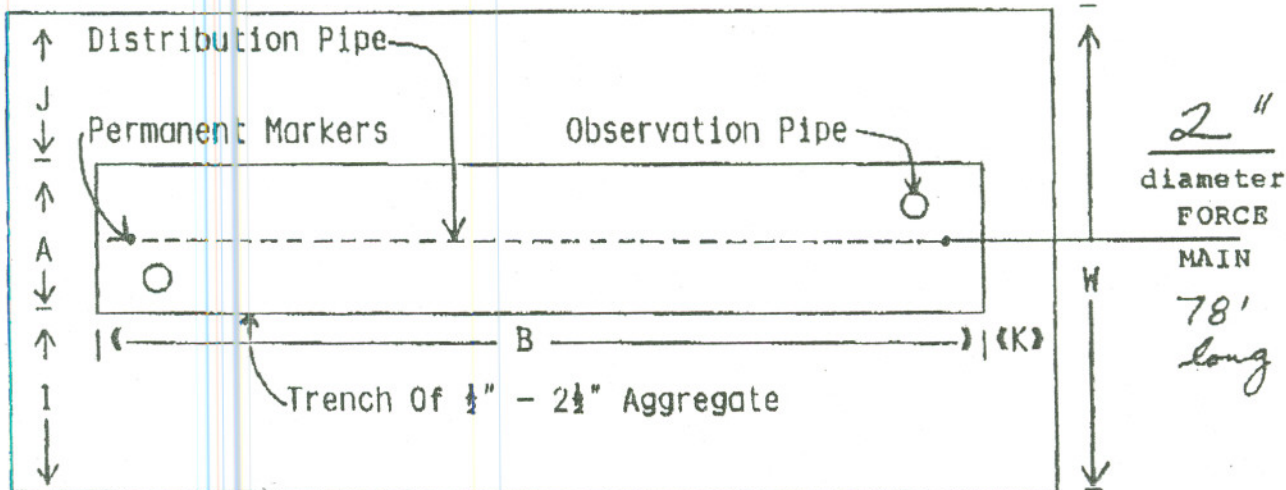


Trench Of $\frac{1}{2}$ " - $2\frac{1}{2}$ " Aggregate,
6" Below Pipe, Covered With
Straw, Marsh Hay, Or Synthetic Fabric

System Elevation 99.0'

D $\frac{1.0}{1.0}$ Ft. G $\frac{1.0}{1.5}$ Ft.
E $\frac{1.0}{1.0}$ Ft. H $\frac{1.5}{1.5}$ Ft.
F $\frac{.84}{.84}$ Ft.

Plan View Of Mound Using A Trench For The Absorption Area



A $\frac{5}{75}$ Ft.
B $\frac{75}{75}$ Ft.

I $\frac{9}{9}$ Ft.
J $\frac{9}{9}$ Ft.

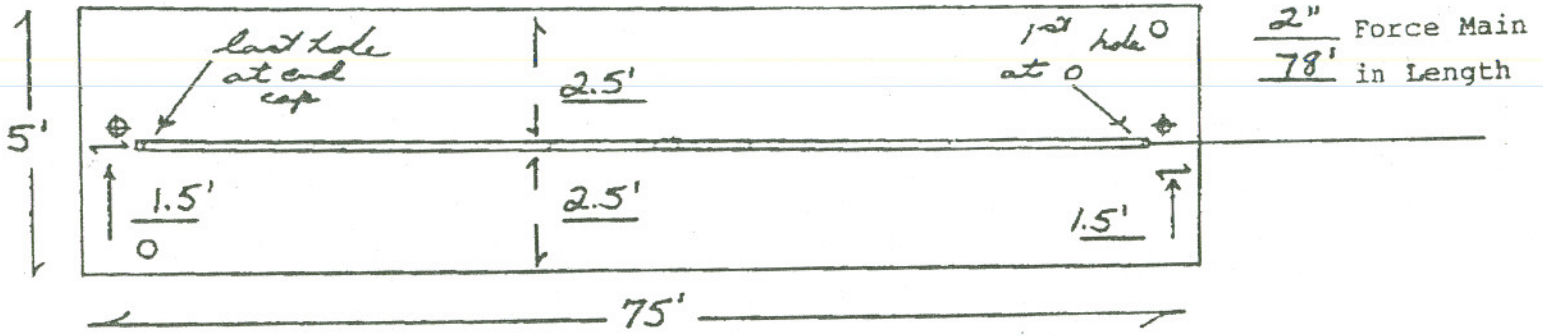
K $\frac{11}{97}$ Ft.
L $\frac{97}{97}$ Ft.

W 23 Ft.

PIPE LATERAL LAYOUT

- ⊕ Permanent Marker
- Observation Pipe

99.0' System Elevation
99.7' Lateral Elevation

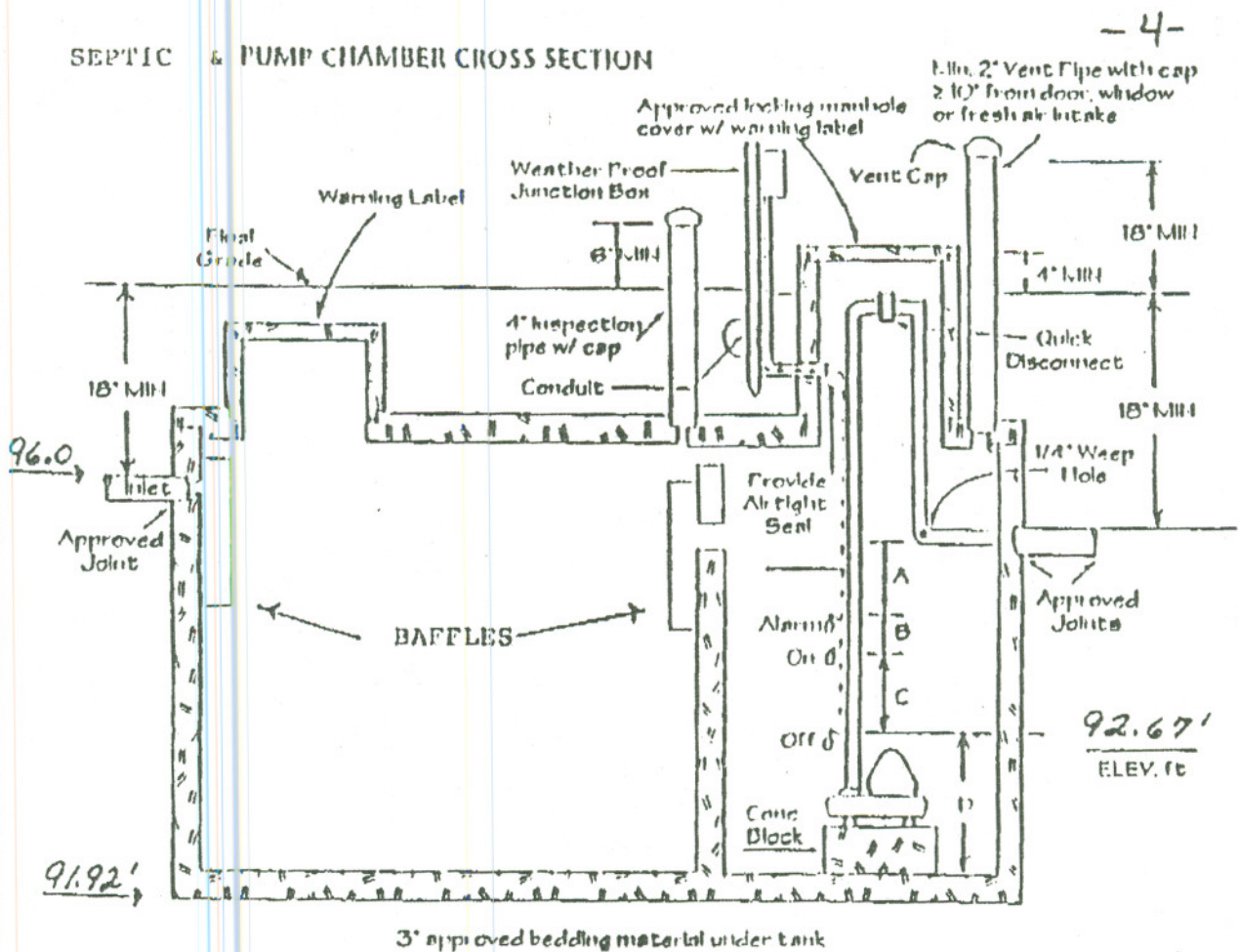


2" Diameter Lateral (PVC Sch. 40) 72' in Length

1/4" Holes 25 Holes per Lateral 3' Hole Spacing

30 Gallons per Minute Discharge Rate

SEPTIC & PUMP CHAMBER CROSS SECTION



SPECIFICATIONS

Note: Pump and alarm are on separate circuits as per IUR 16.20 Wis. Adm. Code

Tank Manufacturer: Crest Pre-Cast
 Tank Size: 1000/600 Gallons

Alarm Manufacturer: S.J. Electro
 Model Number: HW 101

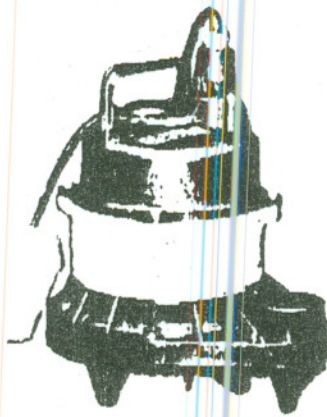
Pump Manufacturer: Gould
 Model Number: 3871 EPO 411
 Minimum Discharge Rate: 30 GPM

Number of Doses: 3.6 Per Day
 Gallons Per Day / # of Doses: 126.7 Gallons
 Volume of Backflow: 12.8 Gallons
 Total Dose Volume: 139.5 Gallons

Capacities: A 23 inches or 356.5 Gallons
 B 2 inches or 31 Gallons
 C 9 inches or 139.5 Gallons
 D 6 inches or 93 Gallons

Vertical Difference Between Pump Off and Distribution Pipe: : 7.1 Ft.
 Minimum Required Supply Pressure: : +2.5 Ft.
78 Ft. of Force Main x 3.27 Friction Factor/100 Ft. : +2.6 Ft.
 Total Dynamic Head = 12.2 Ft.

Tank Dimensions: Length _____ ; Width _____ ; Depth of Liquid 40"
 GAL./inch 15.5



Goulds Submersible Effluent Pump

- 5 -

MODEL



3871 EP04
EP05

APPLICATIONS

Specifically designed for the following uses:

- Effluent systems
- Homes
- Farms
- Heavy duty sump
- Water transfer
- Dewatering

SPECIFICATIONS

Pump: EP04

- Solids handling capability: 3/4" maximum.
- Capacities: up to 55 GPM.
- Total heads: up to 24 feet.
- Discharge size: 1 1/2" NPT.
- Mechanical seal: carbon-rotary/ceramic-stationary, BUNA-N elastomers.
- Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent.
- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.

Pump: EP05

- Solids handling capability: 3/4" maximum.
- Capacities: up to 60 GPM.
- Total heads: up to 31 feet.
- Discharge size: 1 1/2" NPT.
- Mechanical seal: carbon-rotary/ceramic-stationary, BUNA-N elastomers.
- Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent.

- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.

Motor:

- EP04 Single phase: 0.4 HP, 115 or 230 V, 60 Hz, 1550 RPM, built in overload with automatic reset.
- EP05 Single phase: 0.5 HP, 115 V, 60 Hz, 1550 RPM, built in overload with automatic reset.
- Power cord: 10 foot standard length, 16/3 SJTO with three prong grounding plug. Optional 20 foot length, 16/3 SJTW with three prong grounding plug (standard on EP05).

- Fully submerged in high grade turbine oil for lubrication and efficient heat transfer.

Available for automatic and manual operation. Automatic models include Mechanical Float Switch assembled and preset at the factory.

FEATURES

- **EP04 Impeller:** Thermoplastic Semi-open design with pump out vanes for mechanical seal protection.
- **EP05 Impeller:** Thermoplastic enclosed design for improved performance.
- **Casing and Base:** Rugged thermoplastic design provides superior strength and corrosion resistance.

- **Motor Housing:** Cast Iron for efficient heat transfer, strength, and durability.

- **Motor Cover:** Thermoplastic cover with integral handle and float switch attachment points.

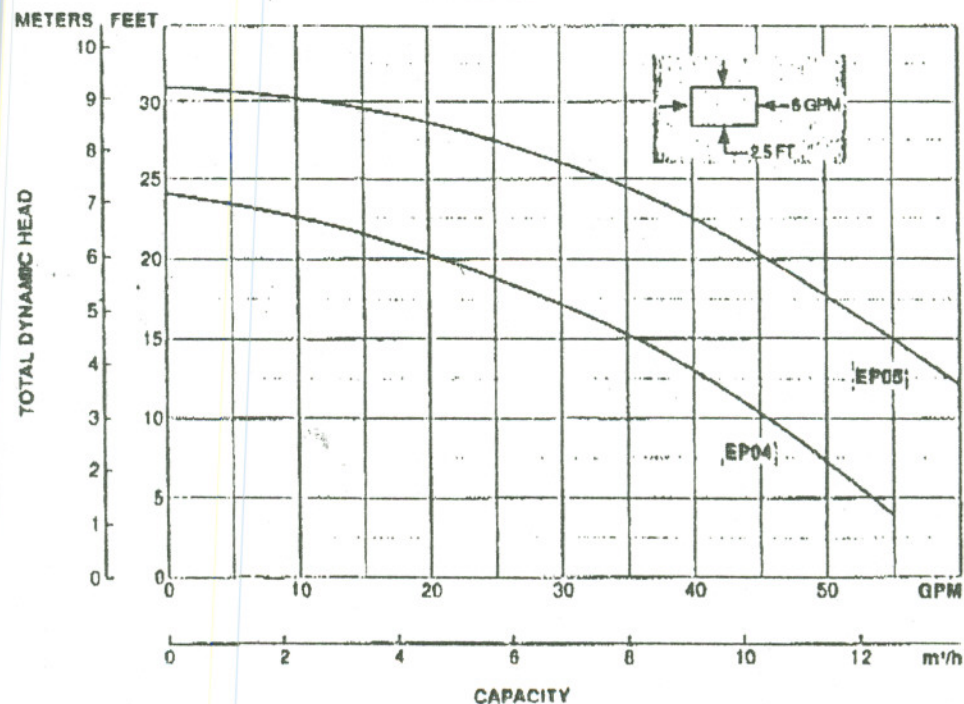
- **Power Cable:** Severe duty rated oil and water resistant.

- **Bearings:** Upper and lower heavy duty ball bearing construction.

AGENCY LISTING

 Canadian Standards Association

(CSA listed model numbers end in "F" or "AC".)



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.

County	<i>Jackson</i>
Parcel I.D. #	
Reviewed by	Date

APPLICANT INFORMATION - Please print all information.

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

Property Owner <i>Jeff Sutton</i>	Property Location Govt. Lot <i>NW 1/4 SE 1/4, S 29 T 19 N, R 5 E (or) W</i>
Property Owner's Mailing Address <i>10725 Spring St.</i>	Lot # Block# Subd. Name or CSM#
City State Zip Code Phone Number <i>Sturtevant WI 53177 (414) 884-0801</i>	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road <i>Melrose Sand Rd</i>

<input checked="" type="checkbox"/> New Construction Use: <input checked="" type="checkbox"/> Residential / Number of bedrooms <u>3</u> Addition to existing building <u>-</u>	<input type="checkbox"/> Replacement <input type="checkbox"/> Public or commercial - Describe: _____
Code derived daily flow <u>450</u> gpd <u>375 sq. ft.</u> Recommended design loading rate <u>.15</u> bed, gpd/ft ² <u>.6</u> trench, gpd/ft ²	Absorption area required _____ bed, ft ² trench, ft ² Maximum design loading rate <u>.15</u> bed, gpd/ft ² <u>.6</u> trench, gpd/ft ²
Recommended infiltration surface elevation(s) <u>99.0'</u> ft (as referred to site plan benchmark)	Additional design/site considerations <u>mound</u>
Parent material <u>sands</u> Flood plain elevation, if applicable <u>N/A</u> ft	

S = Suitable for system	Conventional	Mound	In-Ground Pressure	AT-Grade	System in Fill	Holding Tank
U = Unsuitable for system	<input type="checkbox"/> S <input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> S <input type="checkbox"/> U	<input type="checkbox"/> S <input checked="" type="checkbox"/> U	<input type="checkbox"/> S <input checked="" type="checkbox"/> U	<input type="checkbox"/> S <input checked="" type="checkbox"/> U	<input type="checkbox"/> S <input checked="" type="checkbox"/> U

SOIL DESCRIPTION REPORT

Boring #	Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
										Bed	Trench
1	1	0-14	10YR 3/2		lfs	lfc	mfr	gs	2+ 2m	.5	.6
	2	14-26	10YR 4/4		fs	osg	ml	gs	lf	.5	.6
	3	26-32	10YR 5/4		ms	osg	ml	gs	lf	.7	.8
	4	32-40	10YR 5/4	c2d 7.5YR 5/8	ms	osg	ml	-	-	.7	.8

Remarks: #4 wet groundwater at 40"

Boring #	Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
										Bed	Trench
2	1	0-13	10YR 3/2		lfs	lfc	mvfr	gs	2+ 2m	.5	.6
	2	13-35	10YR 4/4		fs	osg	ml	gs	lf	.5	.6
	3	35-42	10YR 5/4	c2d 7.5YR 5/8	ms	osg	ml	-	-	.5	.6

Remarks: #3 wet water at 40"

Rec'd. 4-5-99

CST Name (Please Print) <i>Mark Palmer</i>	Signature <i>[Signature]</i>	Telephone No. <i>608-525-3773</i>
Address <i>W27128 Lindstrom Rd Blair WI 54616</i>	Date <i>3-18-99</i>	CST Number <i>224736</i>

PARCEL I.D.# _____

Boring #

3

Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Bed	Trench
1	0-14	10YR 3/3		ifs	lfer	mfr	gs	2f 2m	.5	.6
2	14-27	10YR 4/4		fs	osg	ml	gs	1f 1m	.5	.6
3	27-35	10YR 5/4	+2d 7.5YR 5/8	Fs	osg	ml	—	—	.5	.6

Ground elev. 98.0 ft.

Depth to limiting factor 27 in.

Remarks: #3 moist

Boring #

4

Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Bed	Trench
1	0-4	10YR 3/3		ifs	lfer	mfr	gs	1f	.5	.6
2	4-13	10YR 4/3		fs	osg	ml	gs	1f	.5	.6
3	13-30	10YR 5/2	c3p 7.5YR 5/8	fs	osg	ml	—	—	.5	.6

Ground elev. 97.2 ft.

Depth to limiting factor 13 in.

Remarks: #3 entire horizon wet / seepage at 30"

Boring #

□

Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Bed	Trench

Ground elev. _____ ft.

Depth to limiting factor _____ in.

Remarks: _____

Boring #

□

Horizon	Depth in.	Dominant Color Munsell	Mottles Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Bed	Trench

Ground elev. _____ ft.

Depth to limiting factor _____ in.

Remarks: _____

Jeff Sutton
10725 Spring St
Starkevant, WI 53177

Plot Plan

Page 3 of 3

Scale: 1" = 30'



*Lot lines
not critical*

B3 □ -98'

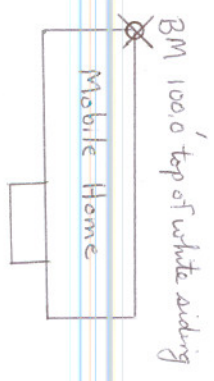
B2 □ -98.4'

B1 □ -98'

B4 □ -97.2'

Woods

Woods



185' to Sand Rd

200' to
creek

Mark Allen
227128 Lindstrom Rd.
Belen, WI 54616

MA
3-19-99