Dunn County POWTS Inspection Report

Site Address	Permit #	Owners Name	Parcel #
N8247 577th St.	1726014	James Ferguson	1703822912203200019

Plumber:	# Bedrooms / GPD Design
Kent Hoke	4

Type: ☐ At-Grade ☐ Mound ☑ Inground Gravity ☐ Inground Pressure ☐ Holding Tank

Other:

Building Sewer

Length (ft)	Diameter (in)	Pitch (ft/ft)
25	4	0.0260

☐ Cleanouts Every 100ft ☐ Cleanout Frost Sleeve

Materials ☑ Sch 40 ☑ Sch 35 ☐ Cast Iron

Other:

Frost ☑ > 42 or 60 (plowed) in deep ☐ Insulated

Tank #1

Manufacturer: Wieser

Vol: 1200 Septic or Holding Vol: 800 Dose

☑ Concrete ☐ Plastic Other:

Condition: ☐ No Visible Damage ☐ Existing Tank

Manhole Covers: Properly Secured ☑ Yes

Height <6 inches Below or >4 Inches Above ☑ Yes

☑ Vent ☑ Cleanout Pre-Treatment ☐

Tank #2 ☑ N/A

~~Manufacturer~~

~~Vol~~ ~~Septic or Holding~~ ~~Vol~~ ~~Dose~~

☐ ~~Concrete~~ ☐ ~~Plastic~~ ~~Other:~~

~~Condition:~~ ☐ ~~No Visible Damage~~ ☐ ~~Existing Tank~~

~~Manhole Covers:~~ ~~Properly Secured~~ ☐ ~~Yes~~

~~Height~~ ~~<6 inches Below or >4 Inches Above~~ ☐ ~~Yes~~

☐ ~~Vent~~ ☐ ~~Cleanout~~ ~~Pre-Treatment~~ ☐

Tank #3 ☑ N/A

~~Manufacturer~~

~~Vol~~ ~~Septic or Holding~~ ~~Vol~~ ~~Dose~~

☐ ~~Concrete~~ ☐ ~~Plastic~~ ~~Other:~~

~~Condition:~~ ☐ ~~No Visible Damage~~ ☐ ~~Existing Tank~~

~~Manhole Covers:~~ ~~Properly Secured~~ ☐ ~~Yes~~

~~Height~~ ~~<6 inches Below or >4 Inches Above~~ ☐ ~~Yes~~

☐ ~~Vent~~ ☐ ~~Cleanout~~ ~~Pre-Treatment~~ ☐

Plow Inspection

☐ Location Correct

☐ Soils dry (no wire)

Floodplain

☐ Reginal Flood Elevation (RFE)

☐ Vent 2 ft above RFE

☐ Tank anchored/watertight

Filter / Pump / Dist

Filter Make / Model	Orenco Biotube 6" Diameter		
Alarm Make/Model	Septronics	Alarm on Separate Circuit	☐ Yes

Pump Manufacturer/ Model	Demand (gpm)
Champion CPES3	20

Lift (ft)	System Head	Friction Loss (ft)	TDH
13.93	0	0.16	14.09

Effluent Line/Force Main:		☑ Pressure	☐ Gravity	☐ Siphon	Other
Length (ft)	18	Dia: (in) 2	Pipe ☑	Sch 40 ☐	Sch 35
Dist: ☑	Manifold ☐	Header ☐	End Feed ☐	Dist Box ☐	Div Valve
Length (ft)		Dia: (in)	Sch 40 ☐	Sch 35 ☐	Other:
~~Distribution Laterals:~~		~~Length(ft)~~	~~Dia: (in)~~	☑	~~N/A~~
~~# laterals~~		~~Space (ft)~~	☐ ~~Level~~	☐ ~~Pitch~~	
~~Pipe:~~ ☐	~~Sch 40~~ ☐	~~Sch 35~~	~~Other:~~		
~~Orfices~~		~~Space (in)~~ ☐ ~~1/8"~~ ☐ ~~5/32"~~ ☐ ~~3/16"~~ ☐ ~~1/4"~~			
Pre Fab products:	(Chambers, Ez flow, Eljen, etc…)	# Per Cell 9	Total Units 18	☐ N/A	
Manufacturer and Model	EZ-Flow				
Dispersal Cell(s)	Width (ft) 3	Length (ft) 90	Spacing (ft) 4-5	# Cells 2	
~~Mound Data~~	~~Sand lift (in)~~	~~Total Width (ft)~~	~~Total Length (ft)~~		
~~Stone:~~ 60.0	~~Depth(in)~~	~~6" below pipe, 2" above~~	☐ ~~Good~~	☑ ~~N/A~~	
Cover Fabric:	☑ Typar	☐ Other:		☐ N/A	
DF Pipes	☐ Vented	☐ Obs (1/5 -1/10 length from end) or ends for in-ground			
DF Pipe Material:	☐ Sch 40	☐ Sch 35 (not legal)	Other:		

Setbacks (ft)	P/L	BLDG	Well	Vent to Intake	OHWM	Access Rd
Tank 1	>10	12	*	>15		
~~Tank 2~~						
~~Tank 3~~						
Cell 1	>5	>10	*			N/A
Cell 2	>5	>10	*			N/A
Cell 3						N/A
Cell 4						N/A
Cell 5						N/A
Effluent Line		N/A			N/A	N/A

Elevation Data

CST BM	Insp BM	Description
100	100	Base of Electric Ped

Station	BS	HI	FS	Elev
Benchmark	3.2	103.2		100.00
BM 2				0.00
BM 3	Bottom of House Siding	103.2	0.9	102.30
Bldg Sewer 1		103.2	9.85	*93.02*
Tank 1 Inlet		103.2	10.5	*92.37*
Tank 1 Outlet		103.2		*102.87*
Pump Block		103.2	13.93	89.27
Header/Manifold		103.2		*103.20*
Pipe out Tank Riser		103.2	8.19	94.76
Dist. Lateral 1		103.2		*103.20*
Dist. Lateral 2		103.2		*103.20*
Cell 1 inf		103.2	5	98.20
Cell 2 inf		103.2	5	98.20
Grade		103.2	3.65	99.55

Note

Elevations for Building Sewer, Tank Inlets/Outlets,Header/Manifold, Riser Pipe, and Dist Laterals are listed with the bottom of the pipe elevation. The diameter of the pipe has been removed from the final elevation.

Notes

Date	8/17/2026	**Time**	12:00 PM	**Conditions**	Sunny
Plow ☐	**Tank** ☑	**Drainfield** ☑		**Other**	
Present	Cooper Boesl, Tim Tillison				
Inspector Signature		**Date**	8/17/2026	**Lic #**	1360690

Alarm, locks, observation pipes, and manifold not installed by time of inspection. Well not onsite. Plumber switched to two 90 ft long trenches. Plumber will shift eastern trench roughly 5 feet south to avoid excavated area from forcemain installation. Will need an inside cleanout.

DUNN COUNTY
PLANNING & LAND USE DIVISION

POWTS INSPECTION MAP

N

Date of Install/Inspection: 8/17/2026

Address/PIN: N8247 577th St.



Note: This map is intended to show relative locations of POWTS components and should not be construed as survey accurate.

- Lot Corner Approx
- Manhole
- Observation Point
- Vent
- Benchmark
- Absorption Area
- Building Sewer
- Force Main
- Lateral
- House
- Tank

DUNN COUNTY

Parcel #: 1703822912203200019
Alt. #:

STATE * SANITARY PERMIT No. 1726014

New In-Ground – N8247 577th St

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 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.

OWNER JAMES FERGUSON
E6134 COUNTY RD J MENOMONIE, WI 54751

PLUMBER KENT HOKE **LICENSE #** 224199

TOWN OF TOWN OF TAINTER

LOCATED S20 T29N-R12W NW-SW

AND/OR LOT LOT 17

SUBDIVISION NAME TAINTER WOODS HAINSTOCK ADD.

Michelle Hrdlicka **AUTHORIZED ISSUING OFFICER – DATE** March 16, 2026

THIS PERMIT EXPIRES March 15, 2028 **UNLESS RENEWED BEFORE THAT DATE**

(TWO YEARS FROM THE ORIGINAL DATE OF ISSUANCE)

PLACE VISIBLE FROM THE ROAD FRONTING THE LOT DURING CONSTRUCTION

SBD-6499(R. 04/12)

Dunn County
Environmental Services Dept.

MAR 09 2026
RECEIVED

Department of Safety & Professional Services, Industry Services Division

County: DUNN

Sanitary Permit Number (to be filled in by Co.): 1726014

Sanitary Permit Application

State Transaction Number:

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): N8247 551st St.

I. Application Information – Please Print All Information

Property Owner's Name: JAMES FERGUSON

Parcel # 170382291220320019 ~~038123090~~

Property Owner's Mailing Address: E6134 Co. Rd. "J"

Property Location

City, State: MENOMONIE, WI

Zip Code: 54751

Phone Number: 715 556-5152

Govt. Lot ____ NW ¼, SW ¼, Section 20

T 29 N R 12 E or (W)

II. Type of Building (check all that apply)

☒ 1 or 2 Family Dwelling – Number of Bedrooms 4

☐ Public/Commercial – Describe Use ____

☐ State Owned – Describe Use ____

Lot # 17

Block #

CSM Number

Subdivision Name: TAINTER WOODS HAINSTOCK ADD.

☐ City of ____

☐ Village of ____

☒ Town of TAINTER

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)	
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	

IV. Dispersal/Treatment Area and Tank Information:

Design Flow (gpd)	Design Soil Application Rate(gpd/sf)	Dispersal Area Required (sf)	Dispersal Area Proposed (sf)	System Elevation
600	.7	858	900	98.2

Tank Information	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~~	1200	–	1200	1	WIESER CONCR.	✓				
Dosing Chamber	800	–	800	1	COMBO	✓				

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

Plumber's Name (Print): KENT HOKE

Plumber's Signature

MP/~~MPRS~~ Number: 224199

Business Phone Number: 715 962-4155

Plumber's Address (Street, City, State, Zip Code): P.O. Box 10, Colfax, WI 54730

VI. County/Department Use Only

☒ Approved ☐ Disapproved ☐ Owner Given Reason for Denial

Permit Fee $ 500.00

Date Issued 3/16/2026

Issuing Agent 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

SBD-6398 (R. 03/22)

C#23804

Private Onsite Wastewater Treatment System

Index and Title Page

Project Name: JAMES FERGUSON - 4-BR. INGROUND/PUMP POWTS (NEW)

Owner's Name: " "

Owner's Address: E6134 Co. RD. "J"

MENOMONIE, WI 54751

715 556-5152

Legal Description: NW, SW, 20, 29N, 12W

Municipality: Town, ~~Village~~, ~~City~~ of TAINTER

County: DUNN

Lot Number: 17 Block Number: _____ CSM Number: _____

Subdivision Name: TAINTER WOODS / HAINSTOCK - 557TH ST.

Parcel I.D. Number: ~~03812309000~~ 17038229122032000019

Page 1	Index and Title Page
Page 2	Plot Plan with Cross-Section & Plan View
Page 3	Septic Tank / Pump Chamber Cross-Section & Specifications
Page 4	Pump Performance Curve
Page 5	POWTS Owner's Manual & Management Plan
Page 6	POWTS Owner's Manual & Management Plan
Page 7	Filter Information

Name of Designer: KENT HOKE License #: MP-224199

Signature: _____ Date: 3-6-2026

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

N8247

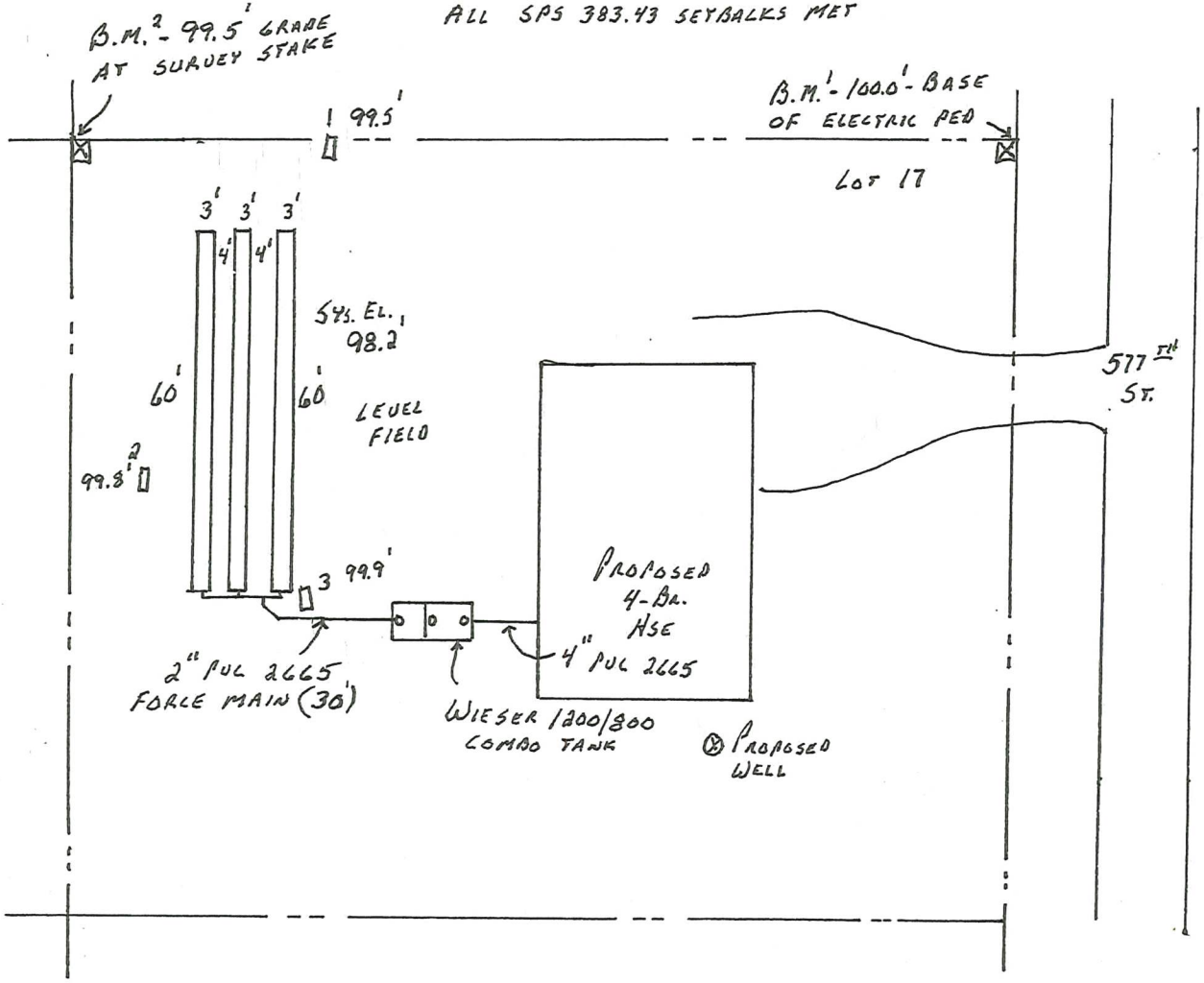
PLOT PLAN

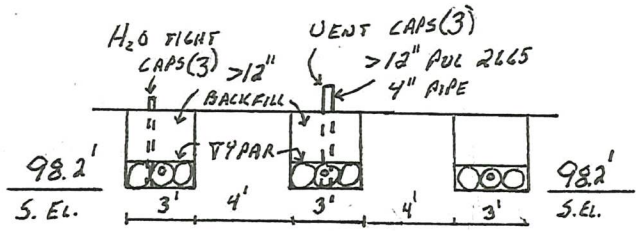
JAMES FERGUSON - LOT 17, 577TH ST.
NW, SW, 20, 29N, 12W, T. OF TAINTER, DUNN CO.

N 1" = 30' (0, 15', 30')

= PITS, .5 ACRE LOT (FIELD)

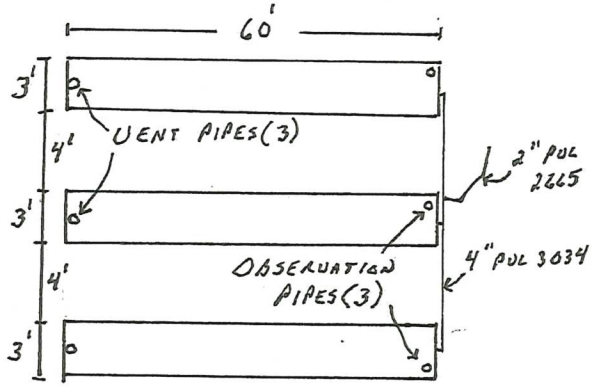
ALL SPS 383.43 SETBACKS MET





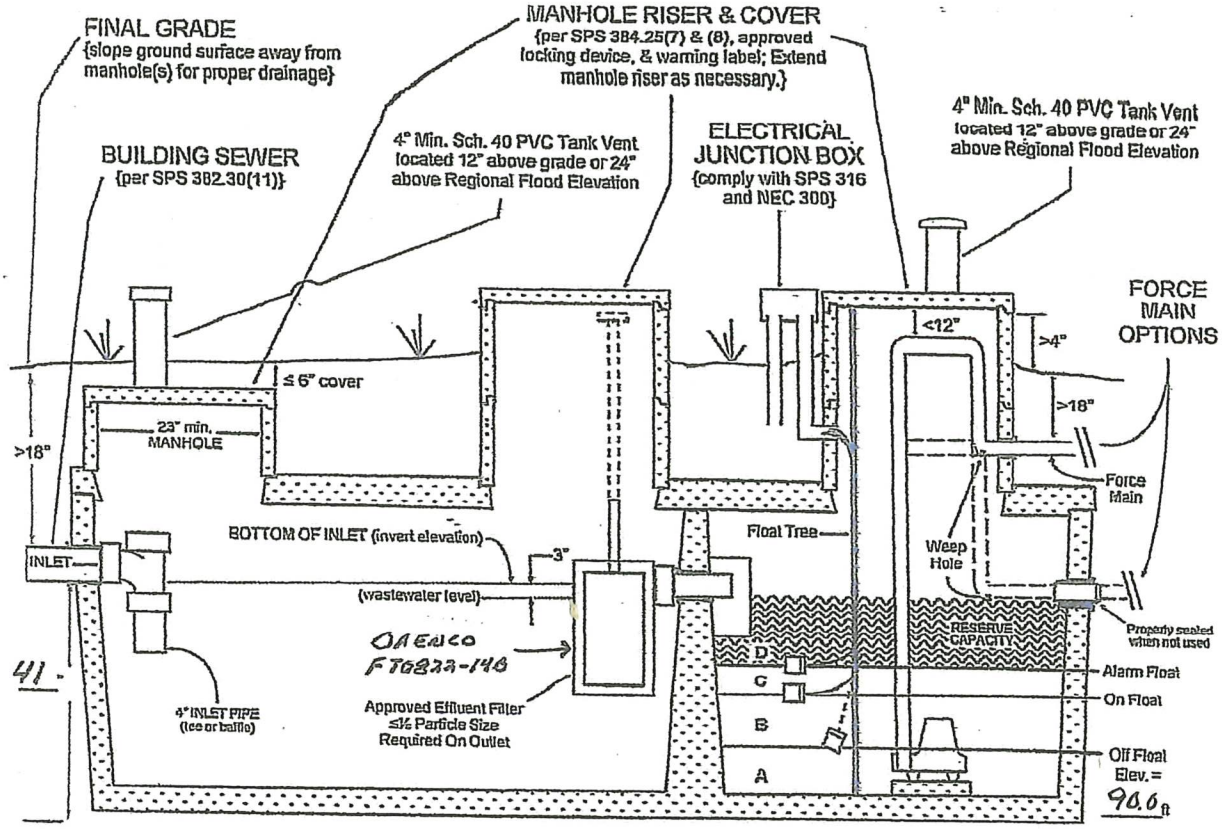
CROSS-SECTION (NO SCALE)

USE ELFLOW 1203H BUNDLES (1'x3'x16')
18 BUNDLES x 50.0 FT² = 900 FT² (TOTAL)
MIN. REQ. = 600 ÷ .7 = 858 FT²
MAX. INSTALL. DEPTH = 98.2'



PLAN VIEW (NO SCALE)

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)(g)

Tank Manufacturer: Wieser Concrete
Septic/Pump Size: 1200/800 gallons

Alarm Manufacturer: Septronics
Model Number: MJJ1
Switch Type: Mechanical

Effluent Pump Manufacturer: Little Giant
Model Number: 9EC

Minimum Discharge Rate: 20 GPM

Vertical lift (pump off to lateral invert)..... 8.7 ft
System head (distal pressure ____ x 1.3 ft): – ft
30 ft Force main x 1.0 /100 friction factor .3 ft
Filter friction loss..... – ft
Total Dynamic Head (TDH): 9.0 ft

Daily Wastewater Flow (DWF): 600 GPD
Number of daily doses: 5.2 (19.2%)

Force main volume: 30 ft x .163 gal/ft = 4.9 gal
Actual dose volume: 120 gal - 4.9 gal = 115.1 gal
(total dose volume - volume of force main)

DOSE TANK CAPACITIES:

Reserve above alarm 20.6 in = 458 gal (D)
Alarm float above on float 2 in = 44.5 gal (C)
On/Off float measurement 5.4 in = 120 gal (B)
Off above tank bottom 8 in = 177.9 gal (A)

DOSE TANK DIMENSIONS:

Length 164 in Width 96 in
Outlet height 36 in Gallons/inch 22.24

Champion Pump CPES

1/3-1/2HP EFFLUENT/SUMP

Every pump tested in water to ensure pump meets peformance curve.

SSPMA CERTIFIED

FEATURES/BENEFITS

PERFORMANCE
Heads up to 37' TDH
Flows up to 72 GPM

MOTOR
High efficient, 115v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Mechanical with secondary dynamic lip seal
- Provides added leakage protection

IMPELLER DESIGN
Non-clog style vortex impeller
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

Basements, dewatering, septic systems, residential and commercial developments and elevator pits





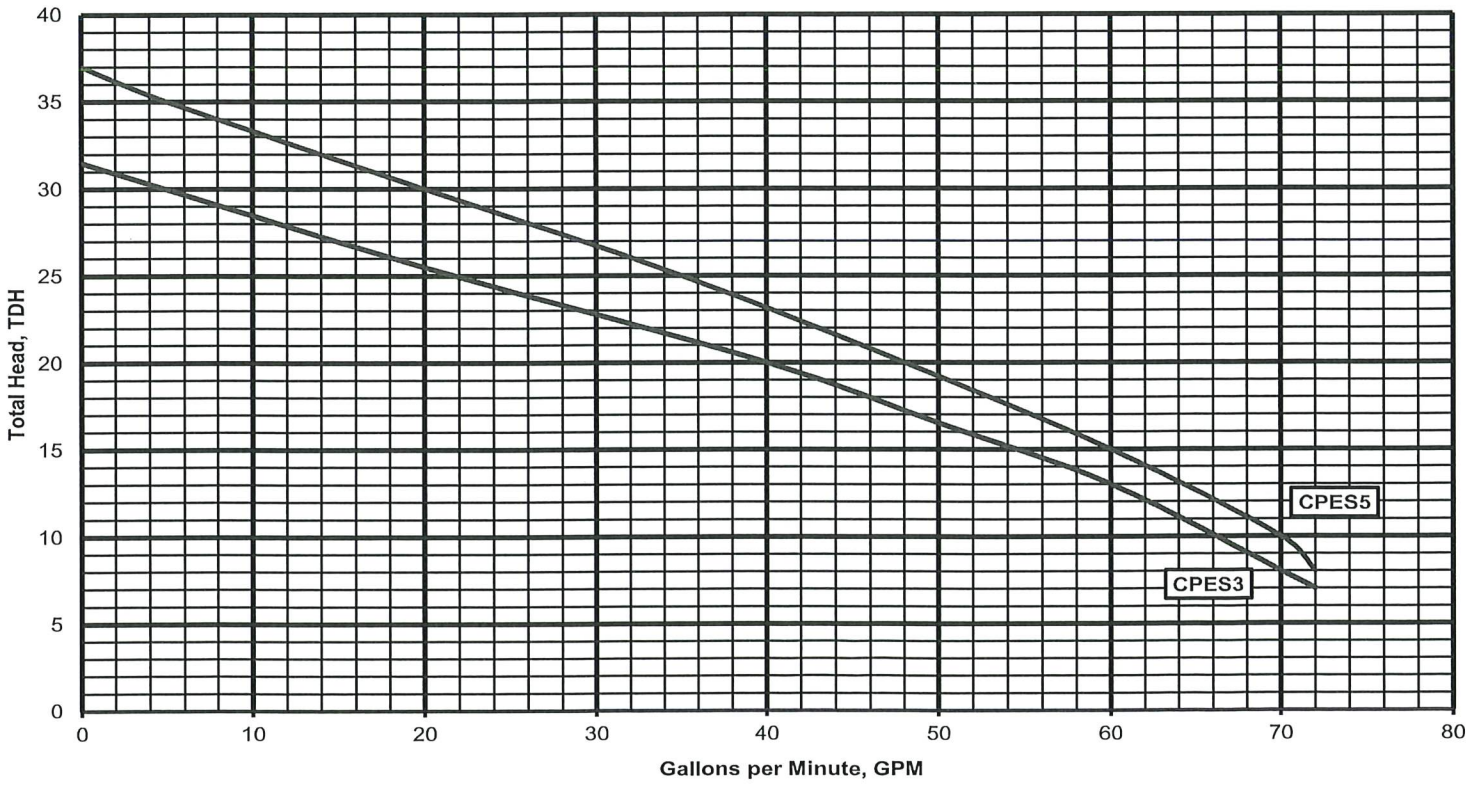
Wide-Angle Float



Vertical Float

1/3-1/2 HP submersible pumps that handle up to 3/4" solids with 2" discharge with 1 1/2" adapter

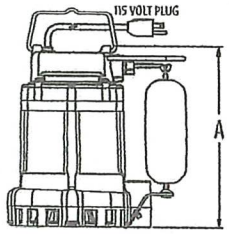
PERFORMANCE CURVE



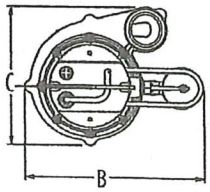
EFFLUENT PUMPS

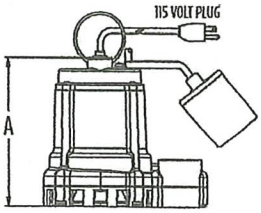
9EC SERIES - 4/10 HP

ENGINEERING DATA

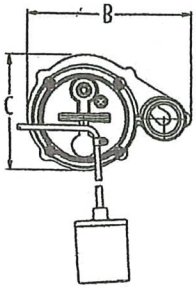


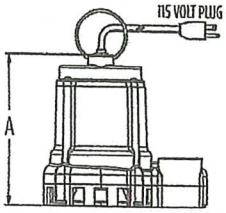
9EC-CIA-SFS



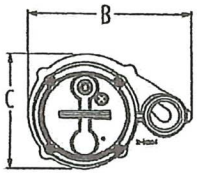


9EC-CIA-RF



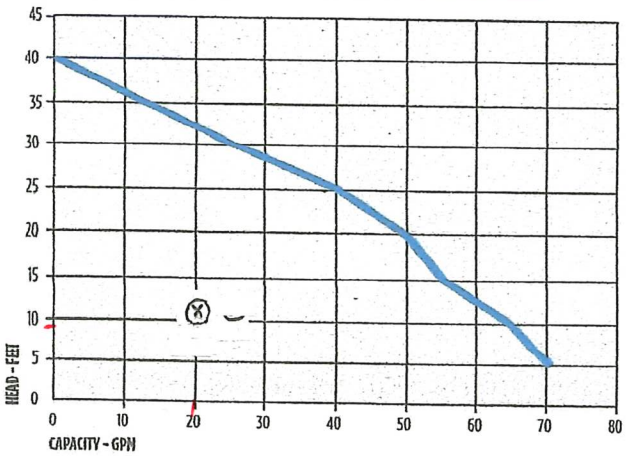


9EC-CIM



9EC-CIA-SFS	11.8" (300 mm)	10.7" (271 mm)	8.4" (214 mm)
9EC-CIA-RF	11.0" (280 mm)	8.9" (226 mm)	8.4" (214 mm)
9EC-CIM	11.0" (280 mm)	8.9" (226 mm)	8.4" (214 mm)

PERFORMANCE DATA



CONSTRUCTION

Cover	Epoxy-coated cast iron/ *Thermoplastic
Motor Housing	Epoxy-coated cast iron
Impeller Material	Thermoplastic elastomer
Impeller Type	Non-clog
Volute	Epoxy-coated cast iron
Motor Shaft	Steel
Mechanical Shaft Seal	Nitrile with carbon and ceramic faces
Fasteners	Stainless steel
Bearings	Upper sintered sleeve and lower ball bearing
Power Cord	SJTW **SJTOW

* On SFS models
** On 30' 9EC-CIA-RF and 9EC-CIM models

POWTS OWNER'S MANUAL AND MANAGEMENT PLAN

FILE INFORMATION

Owner	JAMES FERGUSON
Permit #	1726014

DESIGN PARAMETERS

Number of Bedrooms	4
Number of Commercial Units	
Estimated flow (Ave) (100 gpd/bedroom)	400 gpd
Design flow (DWF) = estimated x 1.5	600 gpd
Soil Application Rate	.7 gpd/ft²
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	1200 gal	☐ NA
Septic Tank Manufacturer	WIESER CONCR.	☐ NA
Effluent Filter Manufacturer	ORENCO	☐ NA
Effluent Filter Model	FTO822-1148	☐ NA
Pump Tank Capacity	800 gal	☐ NA
Pump Tank Manufacturer	WIESER	☐ NA
Pump Manufacturer	LITTLE GIANT	☐ NA
Pump Model	9EC	☐ NA

Pretreatment Unit (☒ NA)
☐ Sand/Gravel Filter ☐ PeatFilter
☐ 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: ____ ft
Horizontal Distance Tank(s) to Service Pad: ____ ft

Dispersal Unit Mfg./Model Number: E2FLOW 1203H BUNDLES ☐ NA

Calculations:

DWF	÷ Soil Application Rate	= Dispersal Area Required	- End Cap EISA	÷ (Dispersal Unit EISA) or (Trench Width)	= # Units or Total Length of Trench(s)
600	÷ .7	= 858	- ____	÷ 50.0 ft²	= 18 BUNDLES

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 start up shall not occur when soil conditions are frozen at the infiltrative surface.

The property owner is responsible for the operation and maintenance of the POWTS and submission of required reports. The quantity and quality of the wastewater stream will affect the performance and longevity of your POWTS. The installation of water-saving appliances and fixtures along with prompt repair of leaks reduces the wastewater volume. Also the brine or waste from water softeners, iron removal units, other clear water treatment devices and foundation drains should be discharged to the ground surface whenever possible. Note: this does not include laundry waste, showers, dishwater, etc.

This system is designed to handle domestic strength wastewater; however, the disposal of food based greases, oils, vegetable/fruit peels, seeds, bones, and food solids, such as those produced by a garbage disposal should be minimized. Toilet tissue is the only paper that should be discharged into the system. Other non-biodegradable items, such as baby wipes, tampons, sanitary napkins condoms, cigarette butts, dental floss, and cotton swabs, should not enter the system. Chemicals, such as petroleum products, paint, disinfectants, pesticides, antibiotics, solvents, etc., should not be flushed into the system because they can seriously damage your POWTS and contaminate your drinking water supply. Maintain a regular steady flow by spreading laundry washing throughout the week. Avoid vehicle traffic over all system components. Compaction of snow over the dispersal unit may cause it to freeze up.

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

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

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

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

ABANDONMENT: When the POWTS fails and/or is permanently taken out of service the following steps shall be taken to ensure that the system is properly and safely abandoned in compliance with Ch. SPS 383.33, Wisconsin Admin. Code:

- All piping to tanks and pits shall be disconnected and the abandoned pipe openings sealed.
- The contents of all tanks and pits shall be removed and properly disposed of by a Septage Servicing Operator.
- After pumping, all tanks and pits shall be excavated and removed or their covers removed and the void space filled with soil, gravel, or other inert solid material.

CONTINGENCY PLAN: If the POWTS fails and cannot be repaired the following measures have been, or must be taken, to provide a code compliant replacement system:

☒ A suitable replacement area has been evaluated and may be utilized for the location of a replacement soil absorption system. The replacement area should be protected from disturbance and compaction and should not be infringed upon by required setbacks from existing and proposed structure, lot lines and wells. Failure to protect the replacement area renders it unusable. Replacement systems must comply with the rules in effect at the time of replacement.

☐ A suitable replacement area is not available due to setback and/or soil limitations. Barring advances in POWTS technology a holding tank may be installed as a last resort to replace the failed POWTS.

The site has not been evaluated to identify a suitable replacement area. Upon failure of the POWTS a soil and site evaluation must be performed to locate a suitable replacement area. If no replacement area is available a holding tank may be installed as a last resort to replace the failed POWTS.

Mound and at-grade soil absorption systems may be reconstructed in place following removal of the biomat at the infiltrative surface. Reconstructions of such systems must comply with the rules in effect at that time.

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

ADDITIONAL COMMENTS: _____

POWTS INSTALLER

Name:	KENT HOKE MP-224199
Phone:	715 962-4155

POWTS MAINTAINER

Name:	H+H PLUMBING
Phone:	715 962-4155

SEPTAGE SERVICING OPERATOR (Pumper) ?

Name:	
Phone:	

LOCAL REGULATORY AUTHORITY

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

Maintenance Instructions

Orenco Systems® Incorporated
1-800-348-9843

Biotube® Effluent Filter

How to Clean Your Effluent Filter

To ensure your effluent filter is functioning properly, it should be inspected every year. Under normal conditions, your effluent filter will function for several years before cleaning is necessary. The filter should be cleaned when it becomes clogged enough to restrict normal flows out of the septic tank. At a minimum, the filter should be cleaned whenever the tank is pumped.

Most people prefer to have a septic tank service provider take care of filter maintenance and cleaning. You can find a septic tank service provider in the Yellow Pages, under "Septic Tanks & Systems." Or you can contact your county health department for a list.

If you wish to inspect and/or clean your effluent filter yourself, be sure to dress properly. Wear full-length pants and shirt, shoes, gloves, and goggles or glasses. Then follow these instructions:

1. Remove the access lid to your septic tank by unscrewing the stainless steel lid bolts with hex head wrench provided. If your lid is above ground, it will be easy to find. If it is buried below ground, find the marker that indicates its location.
2. Remove the filter cartridge by grasping the tee handle and lifting it out of its housing *(see photo 1)*.
3. Spray the cartridge tubes with a hose to remove any material sticking to them *(see photo 2)*. Ensure the three orifices in the optional flow modulation plate inside the filter are clear of any debris. Make sure the rinse water runs back into the tank, but do not allow solids material to fall into the open filter housing.
4. Firmly place the cartridge back into the housing.
5. Some effluent filters come with an alarm that activates when the filter needs cleaning. If you have an alarm, check to make sure it is working by lifting the float with a stick. An audible horn should sound. The alarm panel is normally mounted on the side of the house or in the garage.

   Note: If your effluent filter doesn't have an alarm system and you would like one, call your local septic system installer.
6. Record the date that you inspected and/or cleaned your filter on the form that follows. If you checked the alarm or made any other observations about the tank or system, include that information under "Notes."
7. Attach access lid by placing it on the riser, matching the openings in the lid with the bolt catches. Insert lid bolts into catches and tighten with hex head wrench provided.

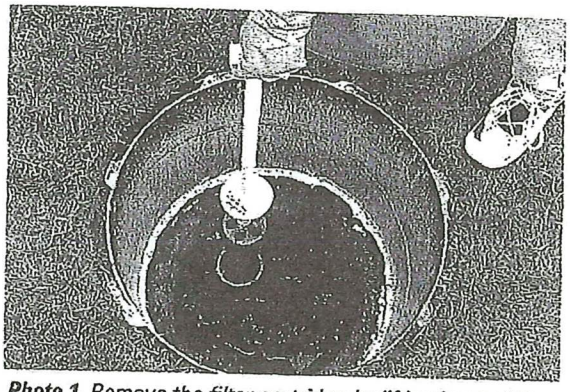


Photo 1. *Remove the filter cartridge by lifting it out of its housing.*

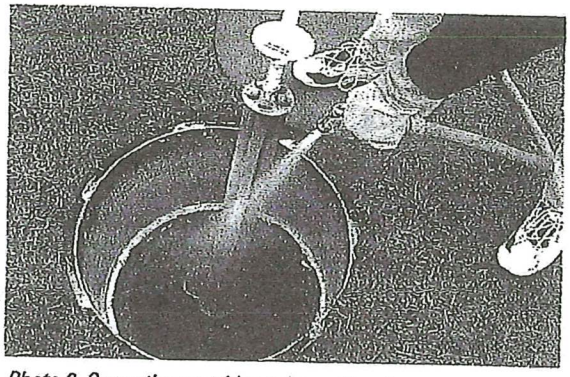


Photo 2. Spray the cartridge tubes with a hose.

Dunn County
Environmental Services Dept

Wisconsin Department of Safety & Professional Services
Division of Industry Services

Page 1 of 3

JUN 03 2025

RECEIVED

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	Dunn
Parcel I.D.	17038229/2203200019
Reviewed by	Date 6/23/2025

Property Owner: James Ferguson	Property Location: ☐ ☑ Govt. Lot ¼ ¼ S 20 T 29 N R 12 E (or) W
Property Owner's Mailing Address: E6134 County RD "S"	Site Address or CSM and Lot #: N8247 Tainter Woods Hainstock Add. Lot 17
City, State, Zip: Menomonie, WI 54751	Phone Number: (715) 556-5152
☐ City ☐ Village ☑ Town: Tainter	Nearest Road: 577th St.

☑ New Construction Use: ☑ Residential / Number of bedrooms 4
☐ Replacement ☐ Public or commercial – Describe: _____

Code derived designflow rate 600 GPD
Flood Plan elevation if applicable N.A. ft.

Parent material Outwash

General comments and recommendations: In-ground, mostly flat site, .7LR recommend system 16"-18" Below grade

1 Boring # ☐ Boring ☑ Pit Ground surface elev. 99.5' ft. Depth to limiting factor 74 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/Ft² *Eff#1	*Eff#2
1	0-11	7.5YR3/2	-	SL	2VFGR	MFR	AS	3F	.6	1.0
2	11-29	7.5YR3/4	-	grLS	∂	MVFR	GS	2F	.7	1.6
3	29-43	7.5YR4/6	-	grS	∂	MVFR	AS	2VF	.7	1.6
4	43-52	7.5YR4/6	-	SW/20% mgr	MFR	AS	1VF	.7	1.6
5	52-74	7.5YR6/4	-	grS	OSG	MVFR	AS	1VF	.7	1.6
6	74-93	7.5YR7/6	Slight Saturation	S						
7	93+	7.5YR6/2	C2D 7.5YR5/6+5/8 spots	S/SiL	Mix Saturated		Soil/S			

2 Boring # ☐ Boring ☑ Pit Ground surface elev. 99.8' ft. Depth to limiting factor 58 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/Ft² *Eff#1	*Eff#2
1	0-8	7.5YR3/2	-	SL	2VFGR	MVFR	AS	3F	.6	1.0
2	8-19	7.5YR3/4	-	grLS	∂	MVFR	GS	2F	.7	1.6
3	19-36	7.5YR4/6+4/4	-	grLS	∂	MFR	AS	2VF	.7	1.6
4	36-58	7.5YR6/6+6/4	-	grS	OSG	MVFR-MFR	AC	1VF	.7	1.6
5	58-65	7.5YR7/4	Slight Saturation	S					-	-
6	65+	7.5YR7/2	C2D 7.5YR5/6	Streaks	WLSSTSK				-	-

CST Name (Please Print): CST-Joey Kinderman	Signature	CST Number
Address: CST#-06220018 5033 Gust Rd, Fall Creek WI 54742 715-450-6542	Date Evaluation Conducted: 5-7-2025	Telephone Number

* 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 (R03/22)

C# 1365
R# 078073

3 Boring #

☐ Boring
☑ Pit

Ground surface elev. 99.9' ft. Depth to limiting factor 57 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/Ft² *Eff#1	Soil Application Rate GPD/Ft² *Eff#2
1	0-8	7.5YR3/2	-	SL	2F6K	MVFR	AS	3F	.6	1.0
2	8-22	7.5YR3/4	-	gcLS	∂	MVFR	GS	2F	.7	1.0
3	22-39	7.5YR4/6	-	gcLS	∂	MFR	GS	1VF	.7	1.0
4	39-57	7.5YR6/4+6/6	-	gcs	0sg	MVFK/MFR	AS	1VF	.7	1.0
5	57+	7.5YR7/1	62D 7.5YR 5/6 streaks			WG5SBK				

☐ 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/Ft² *Eff#1	Soil Application Rate GPD/Ft² *Eff#2

☐ 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/Ft² *Eff#1	Soil Application Rate GPD/Ft² *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

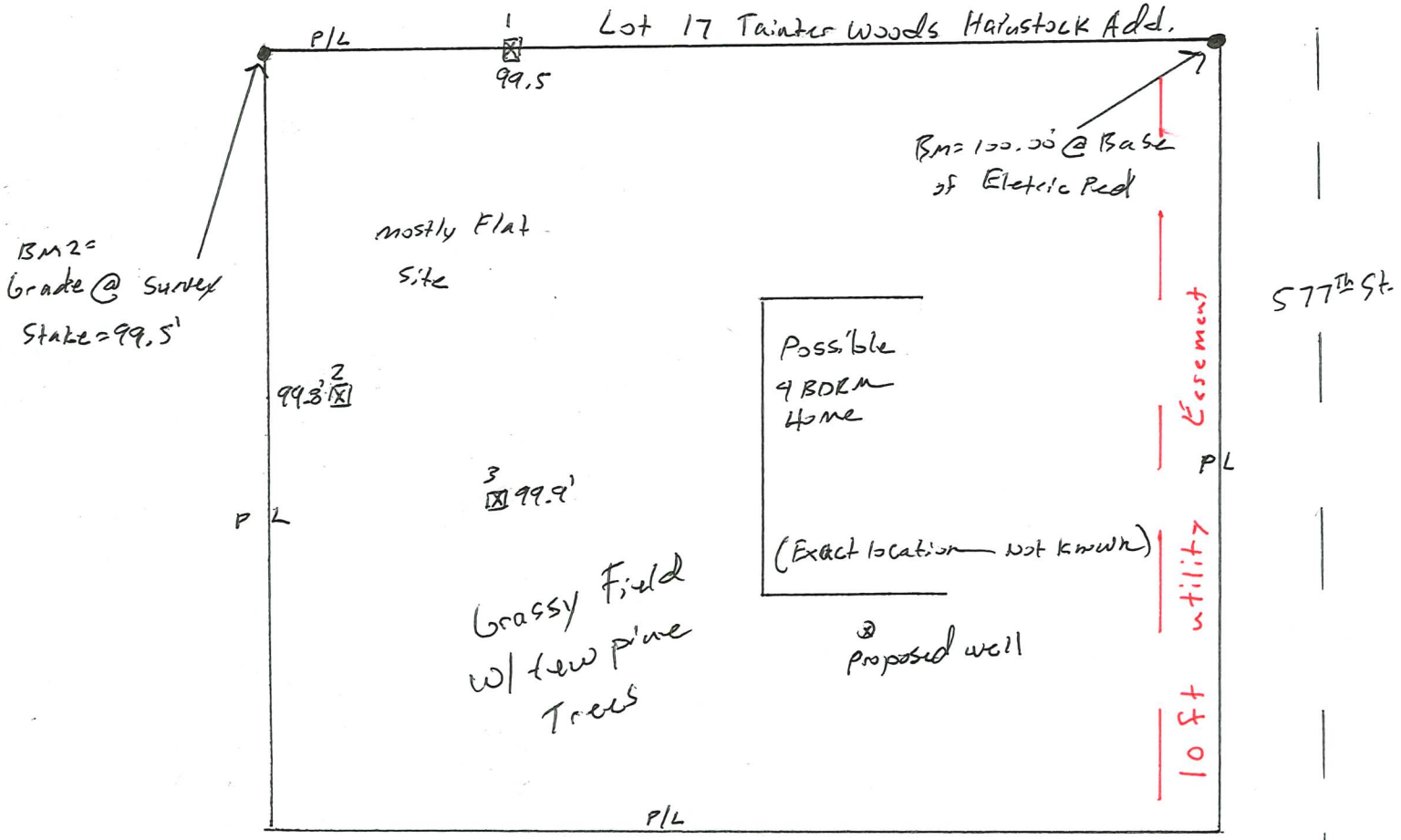
James Ferguson
Dunn County
Town of Tainter
ID# 170382291220320019



0' 15' 30'

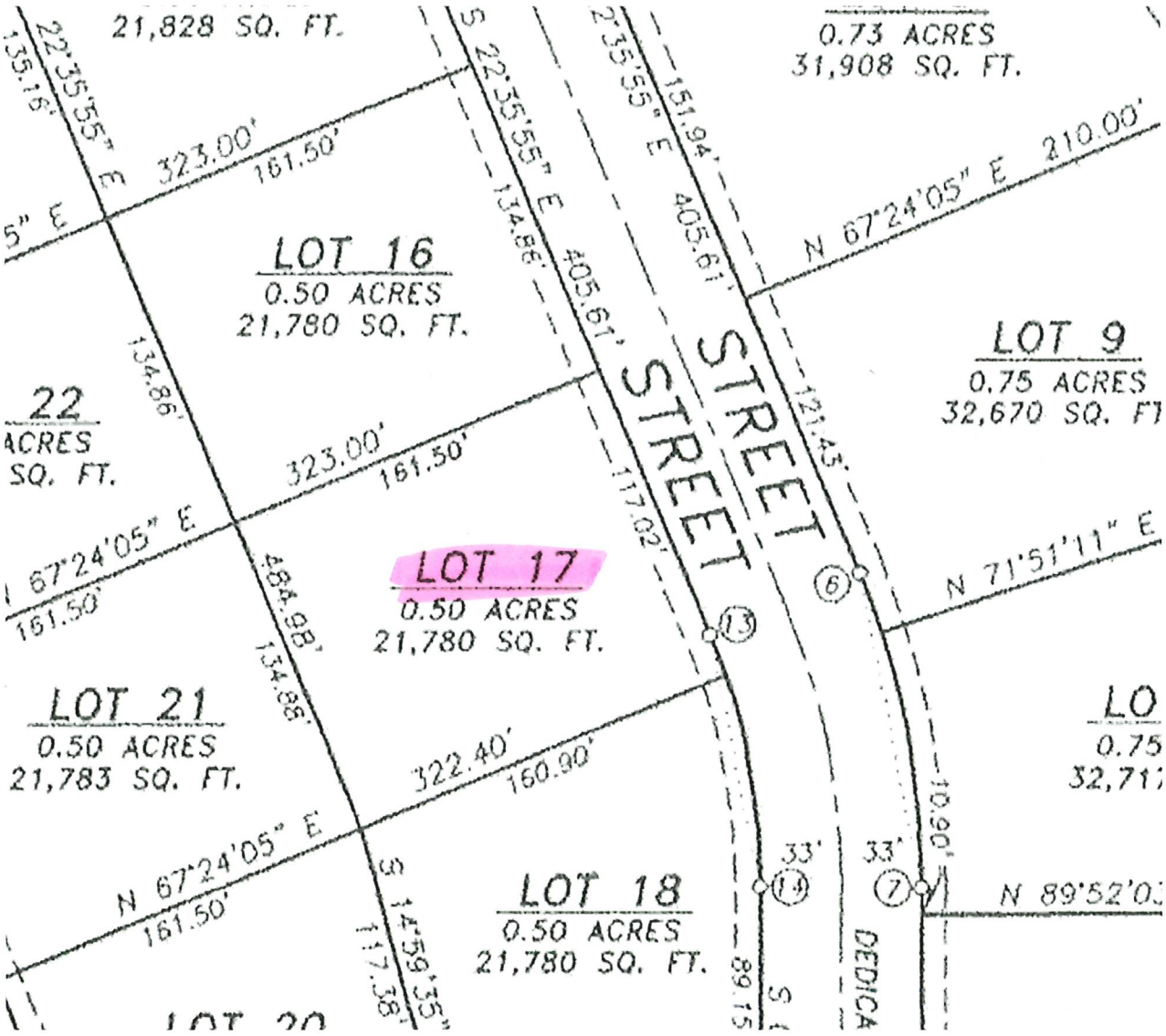
1" : 30'

⊠ = Pit
⊛ = well
● = BM1 = 100.00' @ Base of Eletric Ped
● = BM2 = 99.5' @ grade @ Survey Stake



CST-Joey Kinderman
CST#-06220018
5033 Gust Rd, Fall Creek WI
54742
715-450-6542

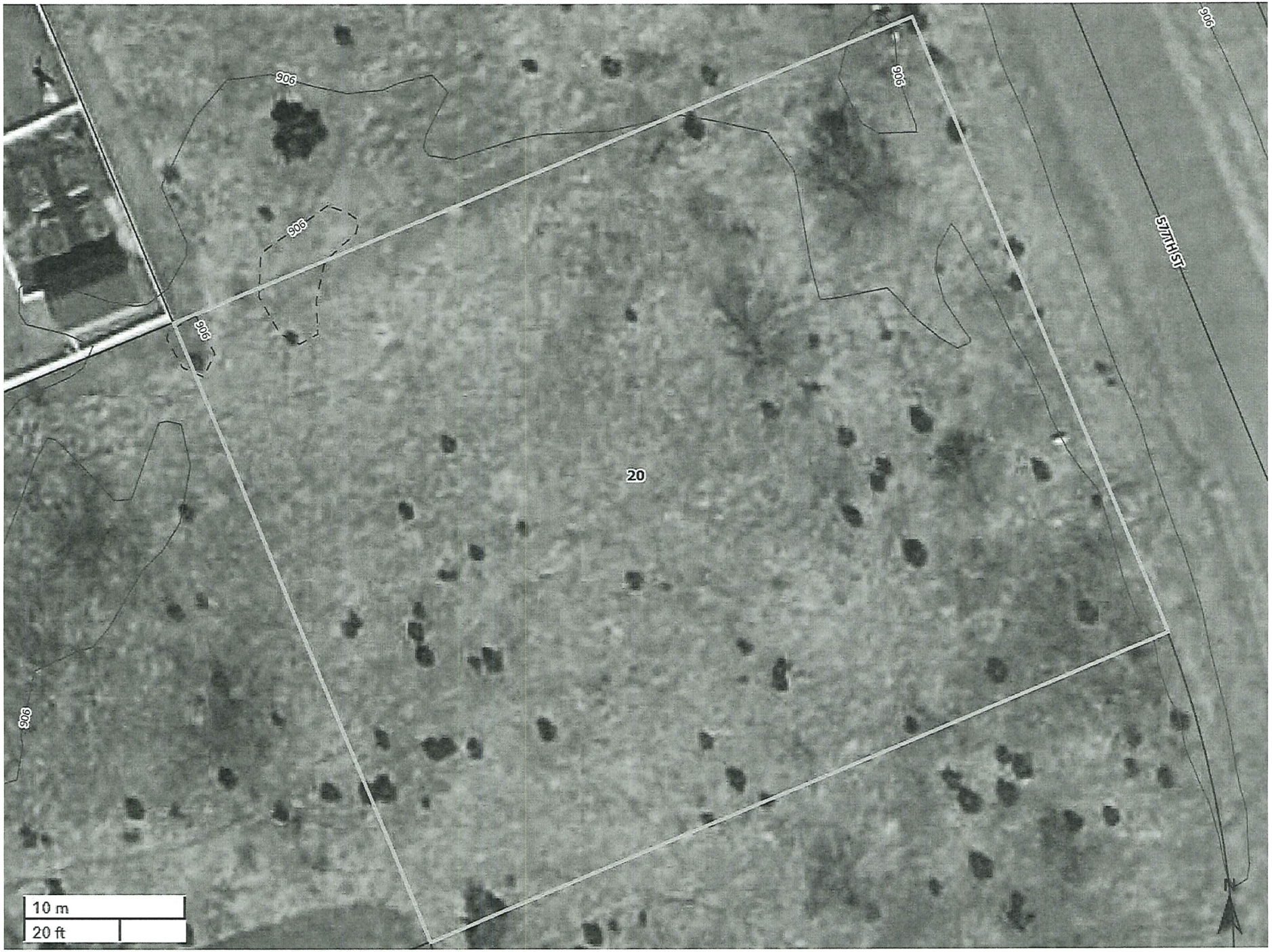
5-7-2025



LEGEND

- ● = FOUND 1" O.D. IRON PIPE
- ⌀ = FOUND 1-1/4" O.D. IRON PIPE
- ✕ = FOUND 2" O.D. IRON PIPE
- (462.02') = RECORDED AS DATA
- ○ = SET 2.375" O.D. x .30" IRON PIPE WEIGHING 3.65 LBS. PER LINEAR FOOT
- = SET 1" O.D. X 18" IRON PIPE WEIGHING 1.13 LBS. PER LINEAR FOOT AT ALL OTHER LOT AND OUTLOT CORNERS
- 15' = UTILITY EASEMENT (TYPICAL)

D


906
906
906
906
906
906
57TH ST
20
10 m
20 ft