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

Name	MKT Holdings, LLC	
Address	E2965 Aspen Rd	
City	Eleva	
State & Zip	WI	54738

PLUMBER:	CST:
Eric Ryan	Arik Wruck

Property Address/City	N4571 933rd St
Town of	Springbrook
Legal	SW-SW 2 T27N-R11W
Subdivision	Eagle Crest II, Lot 50
CSM #	
Sanitary permit #	**640777**
State Plan ID #	PWTS-112102882-C
Parcel tax #	1703422711023300010
Computer #	034122603000

GENERAL INFORMATION

CST BM Elev.: 100	Insp. BM Elev.: 100
Top of cable ped	

TANK INFORMATION

TYPE	MANUFACTURER	CAPACITY
Septic	Skaw	1000
Dosing	Combo	600

TANK SETBACK INFORMATION

TYPE	P/L	WELL	BLDG	VENT TO AIR INTAKE
Septic	7'	N/A	12'	16'
Dosing	7'	N/A	12'	16'

PUMP/SIPHON INFORMATION

Manuf/Model #	Zoeller 152		
Lift 14.4'	Friction Loss 2.29	System Head 3.3'	TDH Ft. 20.5
Forcemain	Length 165'	Dia 2"	Dist. to Well N/A

ELEVATION DATA

STATION	ELEVATION	ELEVATION
Benchmark		100
Bldg. Sewer		92.59
Septic Tank Inlet		92.24
Pump Pad		88.88
Pump Tank Outlet		92.19
Observation Pipe	S	103.28
Observation Pipe	N	103.27
Contour		102.18

SOIL ABSORPTION SYSTEM

Dispersal Cell Information		Width 9'	Length 50'	No. of Cells 1	
Setback Information	Type of System	P/L	Bldg	Well	Lake/Stream
	Mound (EZ Flows)	28'	106'	N/A	N/A

DISTRIBUTION SYSTEM

Header/Manifold	Distribution pipe(s)	X Hole Size	X Hole Spacing
Length 6' Dia. 1.5"	Length 50' Dia.1.5" Spacing 3'	0.188'	4'

WI FUND: _____Yes **X** No _____ Maybe

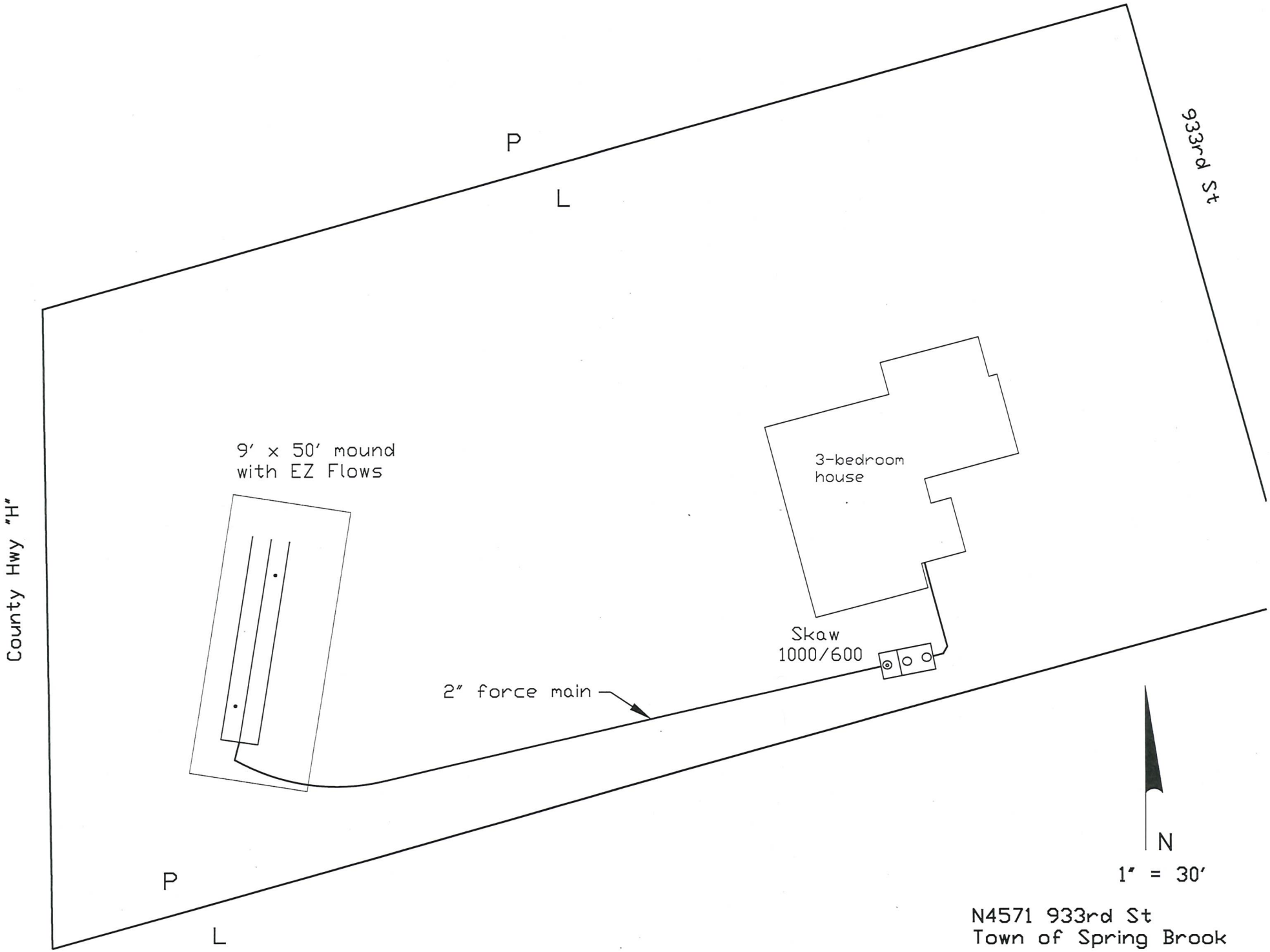
COMMENTS: No well on property at time of Inspection.

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

5/19/2022
Date

Anna Beckman
Inspector's Signature

1526110
Cert. No.


P
L
933rd St
County Hwy "H"
9' x 50' mound
with EZ Flows
3-bedroom
house
Skaw
1000/600
2" force main
P
L
N
1" = 30'
N4571 933rd St
Town of Spring Brook

DUNN COUNTY

Parcel #: 1703422711023300010

Alternate #: 034122603000

STATE * SANITARY PERMIT

No. 640777

New Mound - 933rd St.

OWNER MKT Holdings LLC, E2965 Aspen Rd Eleva, WI 54738

PLUMBER Eric Ryan **LICENSE #** 251254

TOWN OF Springbrook **LOCATED** SW-SW

SECTION 02 **T** 27 **N – R** 11 **W**

AND/OR LOT 50 **BLOCK** _____

Eagle Crest II **SUBDIVISION/CSM**

CHAPTER 145.135 WISCONSIN STATUTES

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

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

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

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

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

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

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

Michelle Hrdlicka **AUTHORIZED ISSUING OFFICER** **DATE** 11/15/2021

(3-Bedroom House)

THIS PERMIT EXPIRES 11/14/2023 UNLESS RENEWED PRIOR TO THAT DATE

(TWO YEARS FROM THE ORIGINAL DATE OF ISSUANCE)

PLACE VISIBLE FROM THE ROAD FRONTING THE LOT DURING CONSTRUCTION

SBD-6499(R. 9/16)

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

County: DUNN

Sanitary Permit Number (to be filled in by Co.): 640777

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.

State Transaction Number: PWTS-112102882-C

Project Address (if different than mailing address): 933rd St. + Co. Rd. "H"

I. Application Information – Please Print All Information

Property Owner's Name: MKT HOLDINGS LLC

Parcel #: 170342271102300010

Property Owner's Mailing Address: E2965 ASPEN RD.

Property Location

Govt. Lot ____ SW ¼, SW ¼, Section 2

T 27 N R 11 E or W

City, State: ELEVA, WI

Zip Code: 54738

Phone Number: 715 829-1888

Lot #: 50

Block #:

CSM Number:

Subdivision Name: EAGLE CREST II

☐ City of ____

☐ Village of ____

☒ Town of SPRING BROOK

II. Type of Building (check all that apply)

☒ 1 or 2 Family Dwelling – Number of Bedrooms 3

☐ Public/Commercial – Describe Use ____

☐ State Owned – Describe Use ____

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
450	1.0	450	450	103.3' GW 102.4' LOWEST

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~~	1000	–	1000	1	SKAW PRECAST	✓				
Dosing Chamber	600	–	600	1	COMBO	✓				

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

Plumber's Name (Print)	Plumber's Signature	MP/~~MPRS~~ Number	Business Phone Number
ERIC RYAN		251254	715 598-7062

Plumber's Address (Street, City, State, Zip Code): 7557 KENT AVE., EAU CLAIRE, WI 54701

VI. County/Department Use Only

☒ Approved	☐ Disapproved ☐ Owner Given Reason for Denial	Permit Fee $ 540.00	Date Issued 11/15/2021	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

DIVISION OF INDUSTRY SERVICES
10541 N RANCH RD
HAYWARD WI 54843-6462
Contact Through Relay
http://dsps.wi.gov/programs/industry-services
www.wisconsin.gov

Tony Evers - Governor
Dawn Crim - Secretary

November 5, 2021

CONDITIONAL APPROVAL

PLAN APPROVAL EXPIRES: 2023-11-4
Plan Review: PWTS- 112102882-C

Eric Ryan
7557 Kent Ave
Eau Claire, WI

SITE:
MKT Holdings LLC
933rd St Eagle Crest Lot 50
Town of Spring Brook
Dunn County
SW ¼ SW ¼ S2-T27N– R11W

FOR:

Description: 3-bedroom–450GPD – 26" to limiting factor – Effluent Filter - Maintenance required	EZflow Mound Component Manual Ver 12/17 Pressure Distribution Component Manual – Ver. 2.0, SBD-10706-P (N.01/01, R. 10/12)

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:

Reminders

- **The site shall be properly prepared prior to plowing. Any grasses longer than 6" shall be cut short and removed. To avoid matting, any leaves or loose organic matter shall be raked up and removed. Cut trees and shrubs flush to the ground and leave stumps. Avoid operating equipment on the mound site. If necessary, use only tracked equipment, during dry conditions, with minimal passes, to avoid compaction.**
- A sanitary permit must be obtained from the county where this project is located in accordance with the requirements of **Sec. 145.19, Wis. Stats.**
- Inspection of the private sewage system installation is required. Arrangements for inspection shall be made with the designated county official in accordance with the provisions of **Sec.**

145.20(2)(d), Wis. Stats.

- A state approved effluent filter is required. Maintenance information must be given to the owner of the tank explaining that periodic cleaning of the filter is required.
- 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.

Owner Responsibilities

- The current owner, and each subsequent owner, shall receive a copy of this letter. Owners shall also receive a copy of the appropriate operation and maintenance manual(s) and be responsible for ensuring that POWTS is operated and maintained in accordance with this chapter and the approved management plan under s. **SPS 383.54(1).**
- In the event this soil absorption system or any of its component parts malfunctions so as to create a health hazard, the property owner must follow the contingency plan as described in the approved plans.
- The owner is responsible for submitting a maintenance verification report acceptable to the county for maintenance tracking purposes. Reports shall be submitted at intervals appropriate for the component(s) utilized in the POWTS.

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.

Sincerely,

Joshua Rowley

Joshua Rowley
POWTS Plan Reviewer, Division of Industry Services
(715) 813-9111
Joshua.rowley@wisconsin.gov

Private Onsite Wastewater Treatment System

Index and Title Page

Project Name: PEAKS CONSTRUCTION - 3-BR. MOUND POWTS (NEW)

Owner's Name: MKT HOLDINGS LLC

Owner's Address: E2965 ASPEN RD.

ELEVA, WI 54738

715 829-1888

Legal Description: SW, SW, 2, 27N, 11W

Municipality: Town, Village, ~~City~~ of SPRING BROOK

County: DUNN

Lot Number: 50 Block Number: _____ CSM Number: _____

Subdivision Name: EAGLE CREST II - 933RD ST.

Parcel I.D. Number: 170342711023300010

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

Joshua Rowley

SEE CORRESPONDENCE

Name of Designer: ERIC RYAN License #: MP-251254

Signature: Eric Ryan Date: 10-19-2021

Designed pursuant to the following POWTS Component Manual and DSPS 381-385:
"EZ Flow Mound Component Manual" Version 8/20/2007 Product# 20090365
SBD-10706-P (N.01/01) "Pressure Distribution Component Manual" Version 2.0
Attachment: Soil Evaluation Report

PEARS CONSTRUCTION - LOT 50, EAGLE CREST II, 933RD ST.
SW, SW, 2, 27 N, 11 W, T. OF SAINT CROIX, POLK CO.

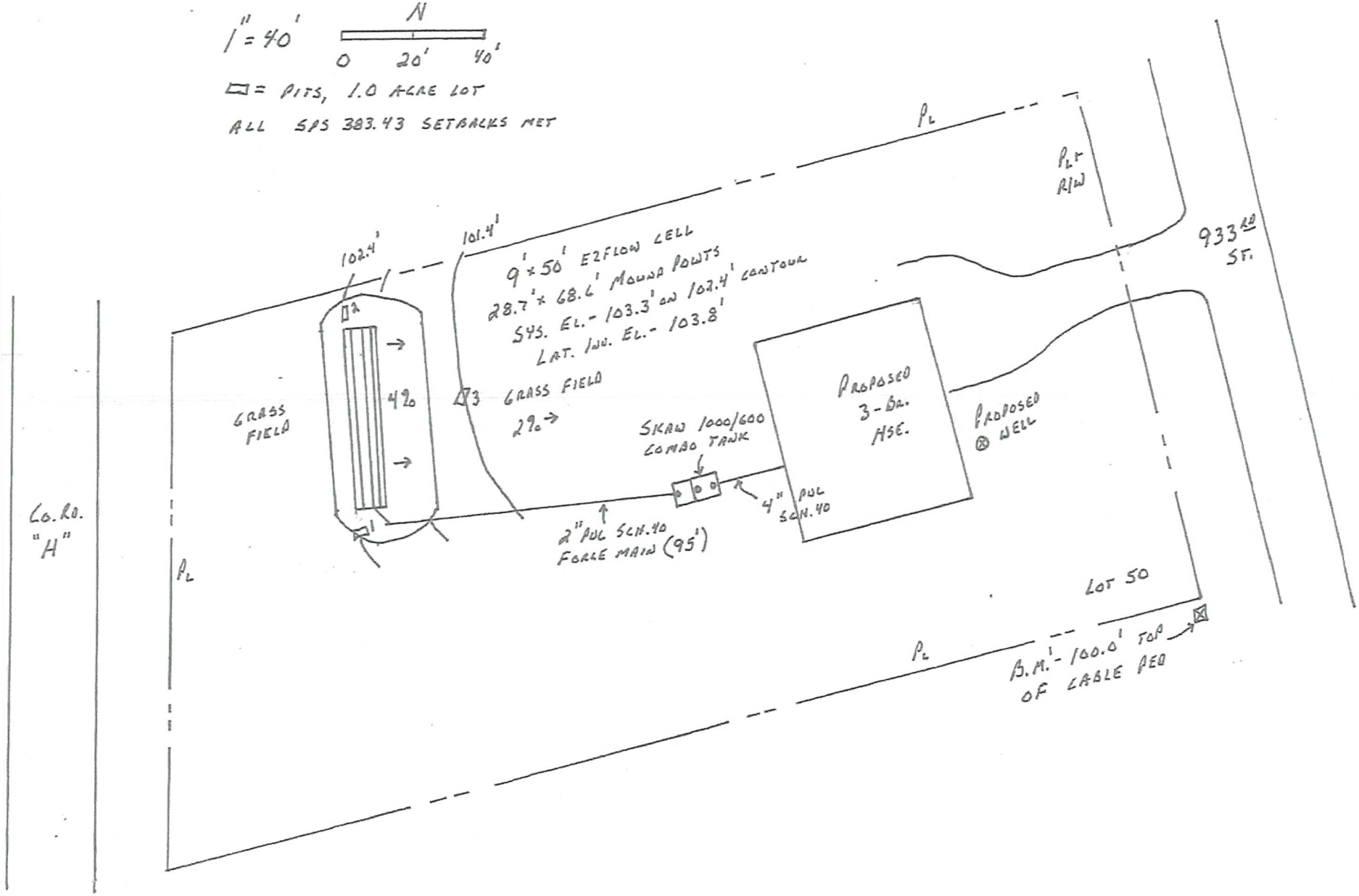
1" = 40'

N

0 20' 40'

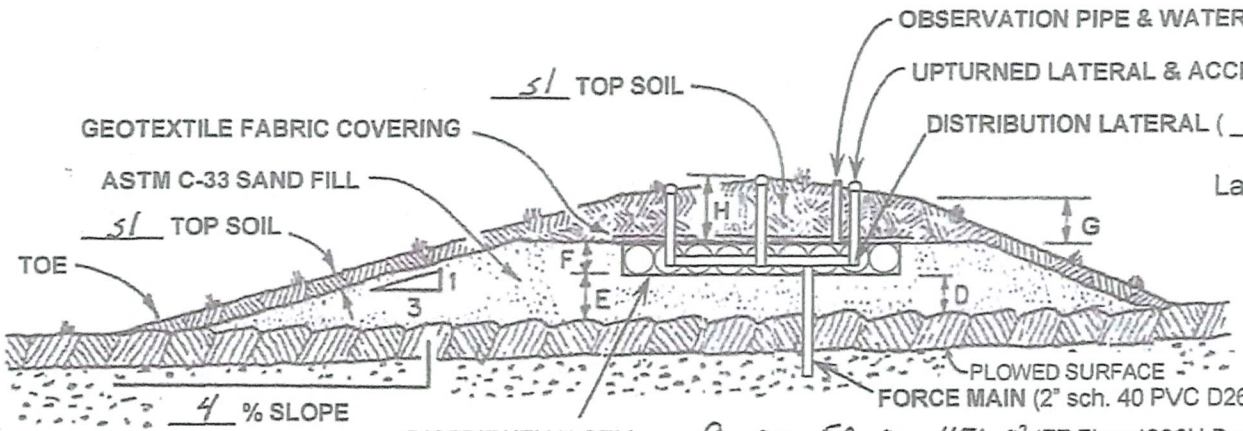
□ = PITS, 1.0 ACRE LOT

ALL SPS 383.43 SETBACKS MET



D = .9 ft
E = 1.26 ft
F = 1.0 ft
G = .5 ft
H = 1.1 ft

CROSS-SECTION OF MOUND



Lateral Invert El.= 103.8 ft

System El.= 103.3 ft

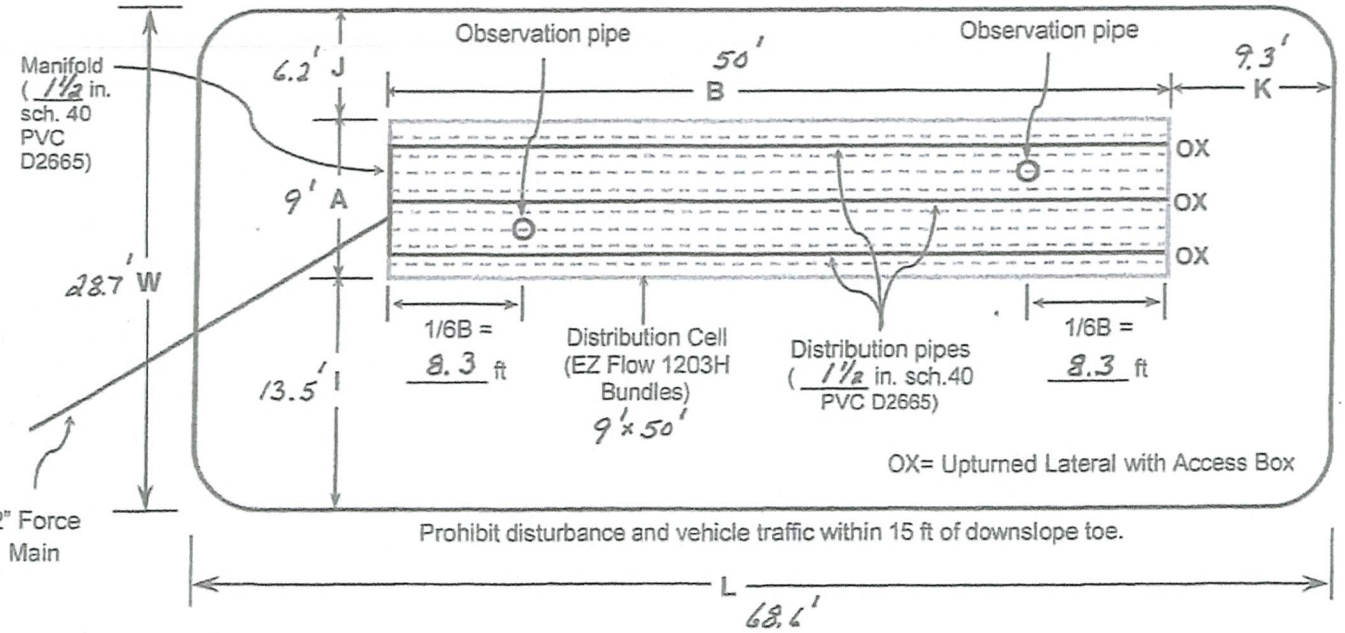
Contour El.= 102.4 ft

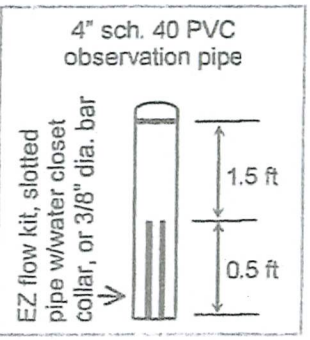
DISTRIBUTION CELL = 9 ft x 50 ft = 450 ft² (EZ Flow 1203H Bundles)

Min. Required = 450 ÷ 1.0 = 450 ft²

A = 9 ft
B = 50 ft
I = 13.5 ft
J = 6.2 ft
K = 9.3 ft
L = 68.6 ft
W = 28.7 ft

PLAN VIEW OF MOUND





Basal Area = 22.5 ft x 50 ft = 1125 ft²

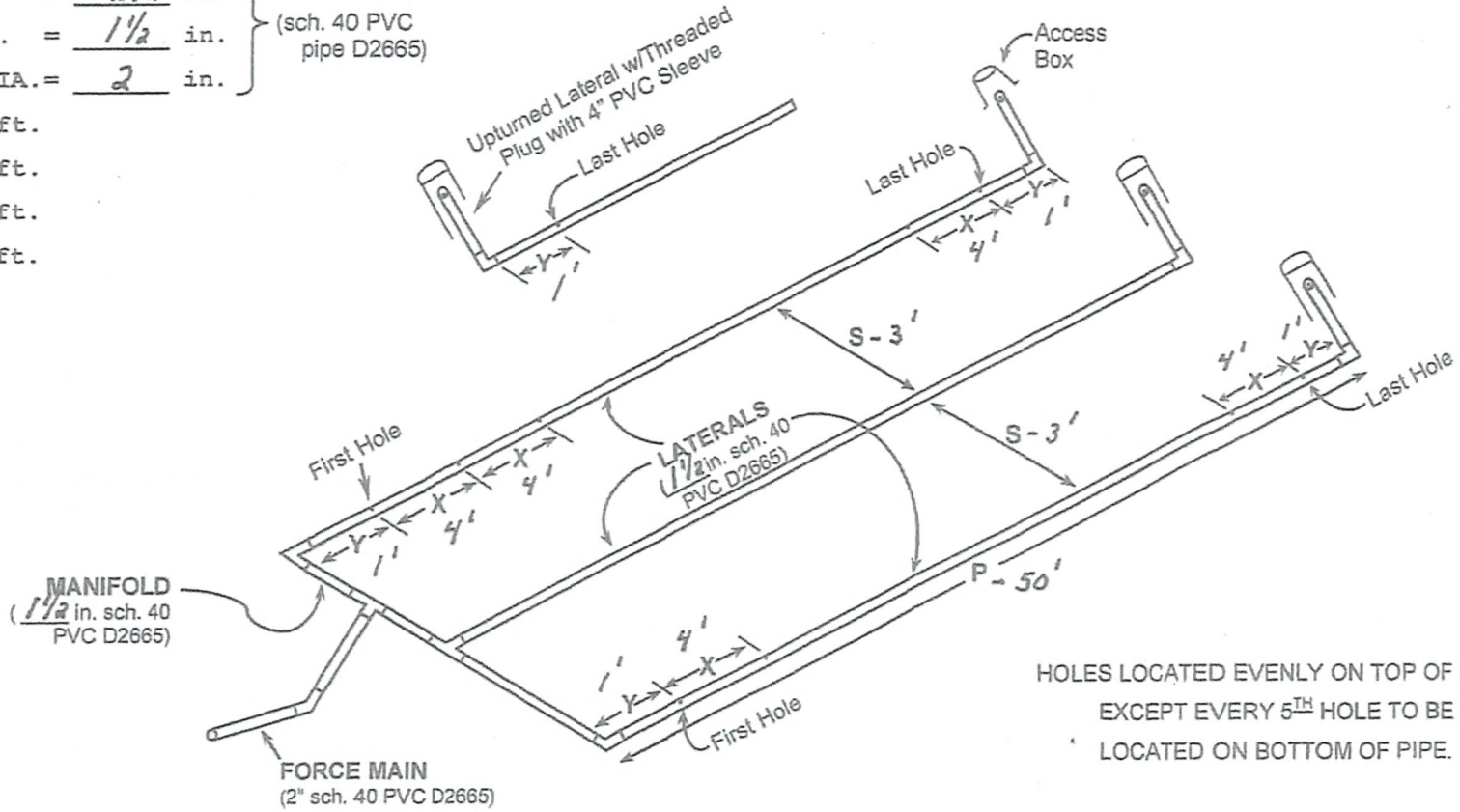
Min. Required = 450 ÷ .4 = 1125 ft²

PIPE LATERAL LAYOUT OF MOUND

(End Manifold with EZ Flow 1203H Bundles)

HOLE DIAMETER = 3/16 in.
LATERAL DIA. = 1½ in.
MANIFOLD DIA. = 1½ in.
FORCE MAIN DIA. = 2 in.
} (sch. 40 PVC pipe D2665)

P = 50 ft.
S = 3 ft.
X = 4 ft.
Y = 1 ft.



HOLES LOCATED EVENLY ON TOP OF PIPE, EXCEPT EVERY 5TH HOLE TO BE LOCATED ON BOTTOM OF PIPE.

Minimum Number of Holes = 450 ft² ÷ 12 = 38 Holes

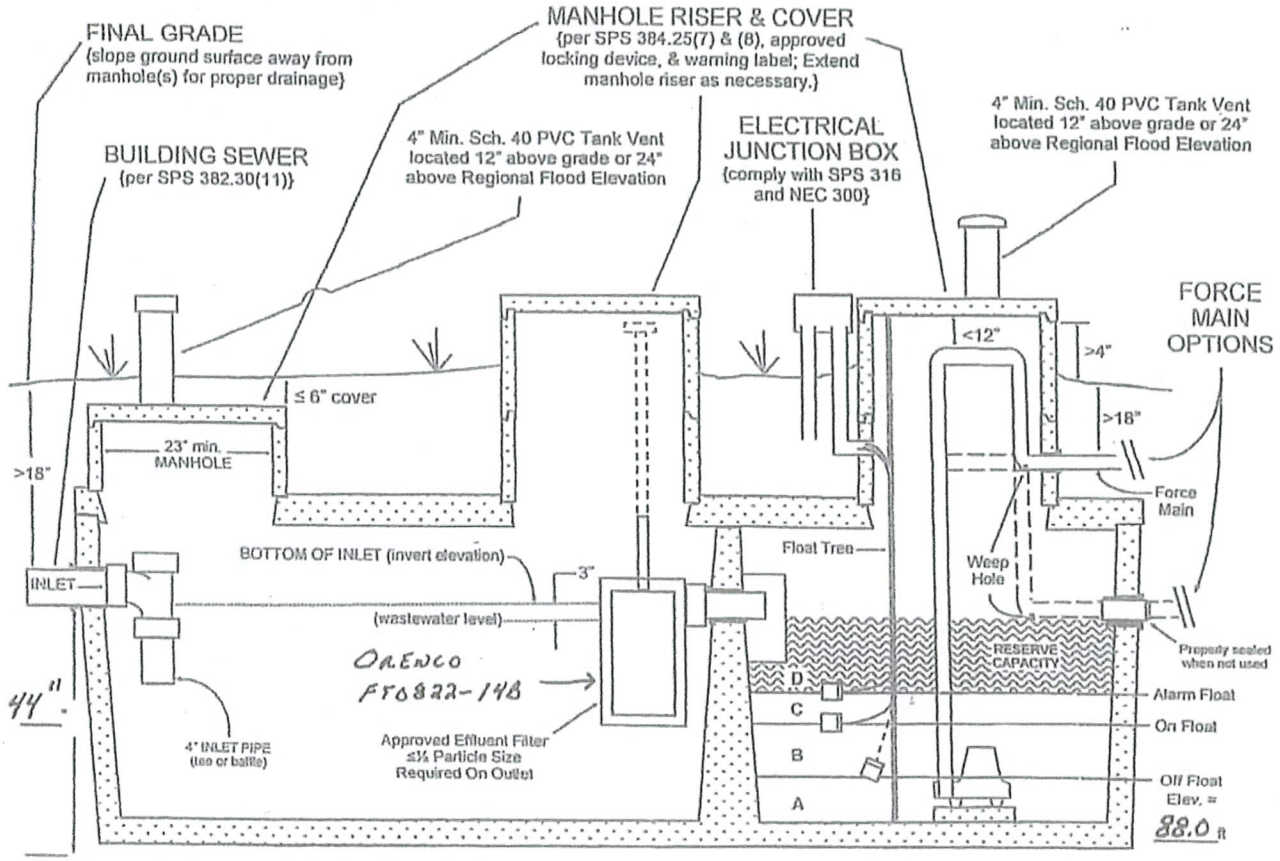
13 Holes/Lateral x 2 Laterals = 39 (3/16") Holes x 0.66 gpm / (3/16") Hole = 25.74 GPM = **SYSTEM FLOW RATE**

PIPE VOLUME = 150 ft. Laterals (total) x 0.092 gal/ft. = 13.8 x 5 = 69 GAL = **MINIMUM DOSE VOLUME**

PIPE INVERT ELEVATION = 103.8 ft.

COMBINATION SEPTIC/DOSE TANK CROSS-SECTION

(DRAWING NOT TO SCALE)



MINIMUM OF 3" OF SUITABLE BEDDING BENEATH TANK & MAXIMUM BURY DEPTH OF 96"
Anchoring of tank may be required per SPS 383.43(8)(g)

Tank Manufacturer: SKAW PRECAST
Septic/Pump Size: 1000/600 gallons

Alarm Manufacturer: SEPTRONICS
Model Number: M551
Switch Type: MECHANICAL

Effluent Pump Manufacturer: ZOELLER
Model Number: 151

Minimum Discharge Rate: 25.74 GPM

Vertical lift (pump off to lateral invert)..... 15.8 ft
System head (distal pressure 2.5 x 1.3 ft): 3.3 ft
95 ft Force main x 1.5 /100 friction factor 1.4 ft
Filter friction loss..... - ft
Total Dynamic Head (TDH): 20.5 ft

Daily Wastewater Flow (DWF): 450 GPD
Number of daily doses: 5.2 (19.3%)

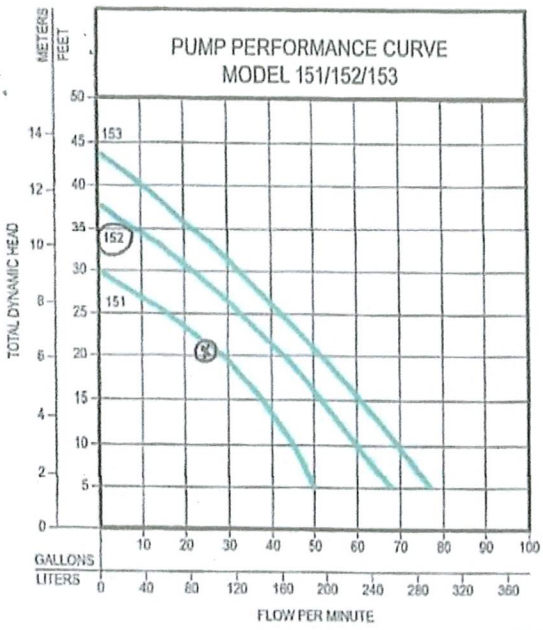
Force main volume: 95 ft x .163 gal/ft = 15.5 gal
Actual dose volume: 102.1 gal - 15.5 gal = 86.6 gal
(total dose volume - volume of force main)

DOSE TANK CAPACITIES:

Reserve above alarm 22.8 in = 375.5 gal (D)
Alarm float above on float 2 in = 32.9 gal (C)
On/Off float measurement 6.2 in = 102.1 gal (B)
Off above tank bottom 8 in = 131.8 gal (A)

DOSE TANK DIMENSIONS:

Length 154 in Width 77 in
Outlet height 39 in Gallons/inch 16.47



014508A

CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Timed dosing panels available.
- Electrical alternators, for duplex systems, are available and supplied with an alarm.
- Variable level control switches are available for controlling single phase systems.
- Double piggyback variable level float switches are available for variable level long and short cycle controls.
- Sealed Qwik-Box available for outdoor installations. See FM1420.
- Over 130°F (54°C) special quotation required.

151/152/153 Series

151/152/153 MODELS				Control Selection	
Model	Volts-Ph	Mode	Amps	Simplex	Duplex
N151	115 1	Non	6.0	1	2 or 3
BN151	115 1	Auto	6.0	Included	2 or 3
E151	230 1	Non	3.2	1	2 or 3
BE151	230 1	Auto	3.2	Included	2 or 3
N152	115 1	Non	8.5	1	2 or 3
BN152	115 1	Auto	8.5	Included	2 or 3
E152	230 1	Non	4.3	1	2 or 3
BE152	230 1	Auto	4.3	Included	2 or 3
N153	115 1	Non	10.5	1*	2 or 3
BN153	115 1	Auto	10.5	Included	2 or 3
E153	230 1	Non	5.3	1	2 or 3
BE153	230 1	Auto	5.3	Included	2 or 3

SELECTION GUIDE

1. Single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
2. See FM0712 for correct model of Electrical Alternator E-Pak.
3. Variable level control switch 10-0743 used as a control activator, specify duplex (3) or (4) float system.

⚠ CAUTION

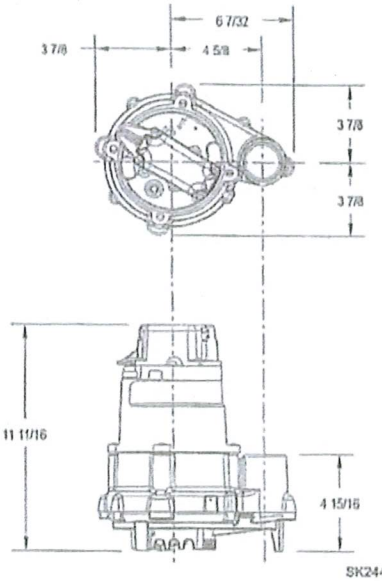
All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

TOTAL DYNAMIC HEAD/FLOW
PER MINUTE
EFFLUENT AND DEWATERING

MODEL		151		152		153	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	50	189	69	261	77	291
10	3.0	45	170	61	231	70	265
15	4.6	38	144	53	201	61	231
20	6.1	29	110	44	167	52	197
25	7.6	16	61	34	129	42	159
30	9.1	--	--	23	87	33	125
35	10.7	--	--	--	--	22	85
40	12.2	--	--	--	--	11	42
Shut-off Head:		30 ft. (9.1m)		38 ft. (11.6m)		44 ft. (13.4m)	

014508B

Model 151



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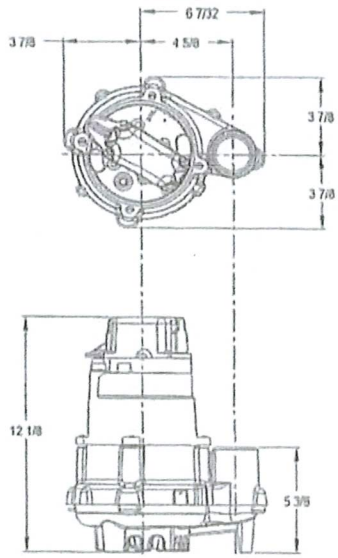
Models 152 / 153



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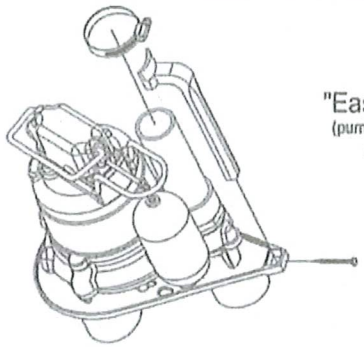


"Easy assembly"
(pump & discharge pipe not included.)

OPTIONAL PUMP STAND P/N 10-2213

- Reduces potential clogging by debris.
- Replaces rocks or bricks under the pump.
- Made of durable, noncorrosive ABS.
- Raises pump 2" off bottom of basin.
- Provides the ability to raise intake by adding sections of 1½" or 2" PVC piping.
- Attaches securely to pump.
- Accommodates sump, dewatering and effluent applications.

NOTE: Make sure float is free from obstruction.

RESERVE POWERED DESIGN

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

POWTS OWNER'S MANUAL AND MANAGEMENT PLAN

FILE INFORMATION

Owner	MKT Holdings LLC
Permit #	640777

DESIGN PARAMETERS

Number of Bedrooms (100gpd/bedroom)	3
Number of Commercial Units	-
Estimated flow (average)	300 gal/day
Design flow (DWF), estimated x 1.5	450 gal/day
Soil Application Rate	1.0 gal/day 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	1000 gal	☐ NA
Septic Tank Manufacturer	SIKAW PRECAST	☐ NA
Effluent Filter Manufacturer	ORENCO	☐ NA
Effluent Filter Model	FT0822-14B	☐ NA
Pump Tank Capacity	600 gal	☐ NA
Pump Tank Manufacturer	SKAW	☐ NA
Pump Manufacturer	ZOELLER	☐ NA
Pump Model	152	☐ NA

Pretreatment Unit (☒ NA)

☐ Sand/Gravel Filter ☐ Peat Filter
☐ Mechanical Aeration ☐ Wetland
☐ Disinfection ☐ Other:
Manufacturer: Model:

Soil Absorption Component (☐ NA)

☐ In-ground (gravity) ☐ In-ground (pressurized)
☐ At-grade ☒ Mound
☐ Drip-line ☐ Other:

☒ Dispersal Units ---- Manufacturer EZ FLOW
☐ Aggregate Cell(s) Model 1203H

Calculations:

Soil		Dispersal	End Cap		(Dispersal Unit EISA) or	
DWF ÷	Application rate =	Area Required	– EISA	÷	(Trench Width)	= # Units or Total Length of Trench(s)
450 ÷	1.0 =	450	-	÷	9'	= 50'

DESIGN CRITERIA

- ☐ "Design of Pressure Distribution Networks for Septic Tank-Soil Absorption Systems" Publication 9.6 (SSWMP Manual)
- ☐ "ICC Flowtech Mound Component Manual" Version 1.2
- ☒ "EzFlow Mound Component Manual" Version 12/15/2017
- ☐ SBD - 10854–P (R.1/12) "At-Grade Component Manual Using Pressure Distribution" Version 2.0
- ☐ SBD - 10705–P (N.01/01) "In Ground Soil Absorption Component Manual" Version 2.0
- ☐ SBD - 10691–P (N.01/01) "Mound Component Manual" Version 2.0
- ☐ SBD - 10657–P (R.6/99) "Drip-line Effluent Disposal Component Manual"
- ☐ SBD - 10706–P (N.01/01) "Pressure Distribution Component Manual" Version 2.0
- ☐ Other -

MAINTENANCE MONITORING SCHEDULE - MAINTENANCE AND MANAGEMENT

Service Event	Service Frequency
Pump/inspect tank(s), 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 use of 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 and oils, vegetable/fruit peels and 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 as 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 Chapter NR113, *Wisconsin Administrative* Code.

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 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 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 render 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	ERIC RYAN MP-251254
Phone	715 828-4860

POWTS MAINTAINER

Name	RYAN PLUMBING
Phone	715 828-4860

SEPTAGE SERVICING OPERATOR (Pumper) ?

Name	
Phone	

LOCAL REGULATORY AUTHORITY

Agency	DUNN Co. ZONING
Phone	715 231-6521

Maintenance Instructions

Orenco Systems Incorporated
1-800-348-9843

Biotube® Effluent Filter 8" FTO822-14B-FSO

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.

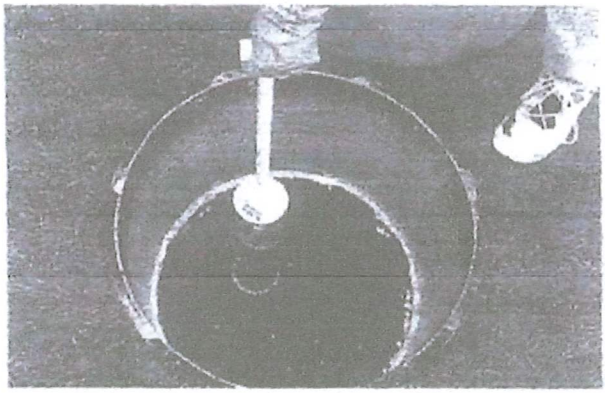


Photo 1. *Remove the filter cartridge by lifting it out of its housing.*

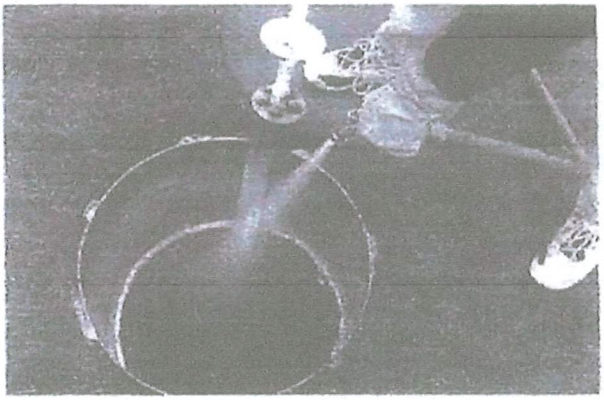


Photo 2. Spray the cartridge tubes with a hose.

Pd

Wisconsin Department of Safety and Professional Services
Division of Industry Services

SOIL EVALUATION REPORT

Page 1 of 4

ORIGINAL 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.: 17034227110238006010

Reviewed by: _____ Date: 11/15/2021

Property Owner	Property Location
PERKS CONSTRUCTION	Govt. Lot SW 1/4 SW 1/4 S 2 T 27 N R 11 ☐ E (or) ☒ W
Property Owner's Mailing Address: 13284 137TH AVE.	Lot # 50 | Block # | Subd. Name or CSM#: EAGLE CREST II
City: CHIPPEWA FALLS | State: WI | Zip Code: 54729 | Phone Number: (715) 829-1888	☐ City ☐ Village ☒ Town: SPRING BROOK | Nearest Road: 933RD ST

☒ New Construction ☐ Replacement — Use: ☒ Residential / Number of bedrooms 3 — ☐ Public or commercial - Describe: _____ — Code derived design flow rate 450 GPD

Parent material: LOAMY ALLUVIUM OVER SANDY RESIDUUM — Flood Plain elevation if applicable: N/A ft.

General comments and recommendations: RECOMMEND 10" MOUND POWTS, .4 LR, 1,125 FT² BASAL AREA, 2-4% SLOPE, GRASS FIELD
8' X 56.25' MOUND ON 102.4' CONTOUR; S.EL = 103.25'

1 Boring # ☐ Boring ☒ Pit — Ground surface elev. 102.4 ft. — Depth to limiting factor 30 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-10	10YR 3/2	–	FSL	2 f gr	mvfr	gs	3uf	.4	.8
2	10-18	10YR 3/2	–	FSL	2 c SBK	mfr	cw	2uf	.4	.8
3	18-30	10YR 4/4	–	FSL	1 m SBK	mfr	gs	1uf	.2	.6
4	30-35	10YR 4/4	C1D 5YR 5/6	FSL	0M	mfr	cs	–	.2	.5
5	35-46	10YR 5/4	HIGHLY SATURATED	THICK BANDED LS	SG	mvfr	–	–	.5	1.0

2 Boring # ☐ Boring ☒ Pit — Ground surface elev. 102.4 ft. — Depth to limiting factor 21 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-12	10YR 3/2	–	SL	1 m SBK	mvfr	cw	3uf	.4	.7
2	12-26	10YR 4/4	–	FSL	2 C SBK	mfr	cs	1uf	.4	.8
3	26-35	10YR 5/4	C1D 5YR 5/6	THICK BANDED LFS	1 M ABK	mvfr	cs	–	.2	.6
4	35-50	10YR 5/6	C1D 5YR 5/6	THICK BANDED LFS	SG	mvfr	–	–	.4	.8

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L — * Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print)	Signature	CST Number
Arik Wruck		
Address: 1518 Glenn Pl. Eau Claire, WI, 54703 (715) 225-1906	Date Evaluation Conducted: 9/21/2021	Telephone Number
CST - 092000015		

SBD-8330 (R07/13)

ORIGINAL

Property Owner PERUS CONSTRUCTION Parcel ID # 17034227110230000 10 Page 2 of 4

3 Boring # ☐ Boring ☒ Pit Ground surface elev. 101.4 ft. Depth to limiting factor 26 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-9	10YR 3/2	—	FSL	2 F gr	mvfr	gs	3vf	.4	.8
2	9-17	10YR 3/2	—	FSL	2 m SBK	mfr	cw	1vf	.4	.8
3	17-26	10YR 4/4	—	FSL	2 m SBK	mfr	gs	—	.4	.8
4	26-31	10YR 4/4	C1D 5YR 5/6	FSL	0 m	mfr	cw	—	.2	.5
5	31-51	10YR 5/6	C1D 5YR 5/6	BANDED SL	1 C ABK	mvfr	—	—	.4	.7

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

PLOT PLAN

Pg. 3 OF 4

PROJECT NAME: PERKS CONSTRUCTION (LOT 50, EAGLE CREST II)

PROJECT LOCATION: SW, SW, 2, 27N, 11W
T. OF SPRING BROOK, DUNN CO.

CST LICENSE #: 092000015

SIGNATURE: [signature]

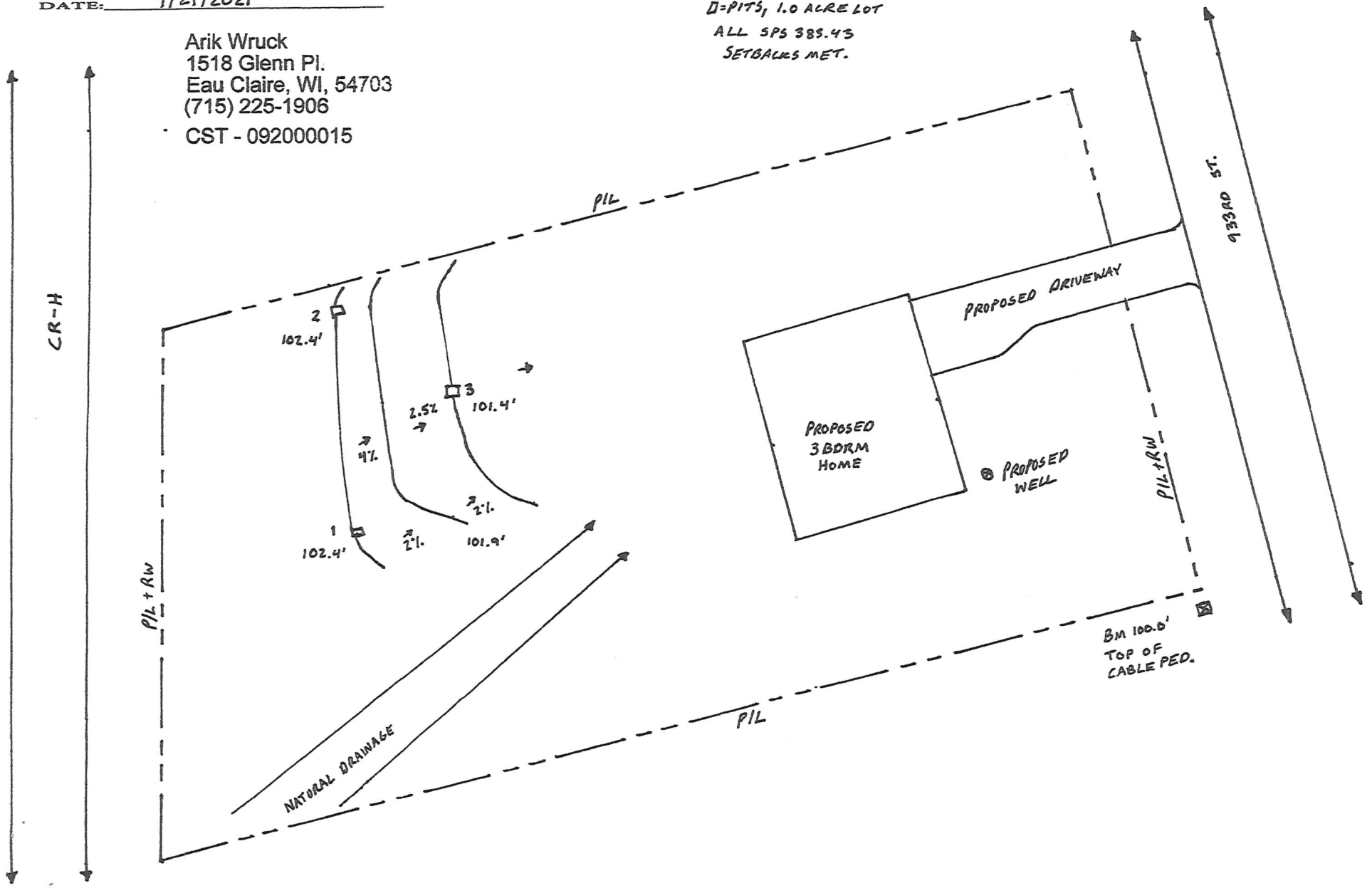
DATE: 9/21/2021

ORIGINAL

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

N
1" = 40FT
0 20 40

□=PITS, 1.0 ACRE LOT
ALL SPS 383.43
SETBACKS MET.




1703422711023200015
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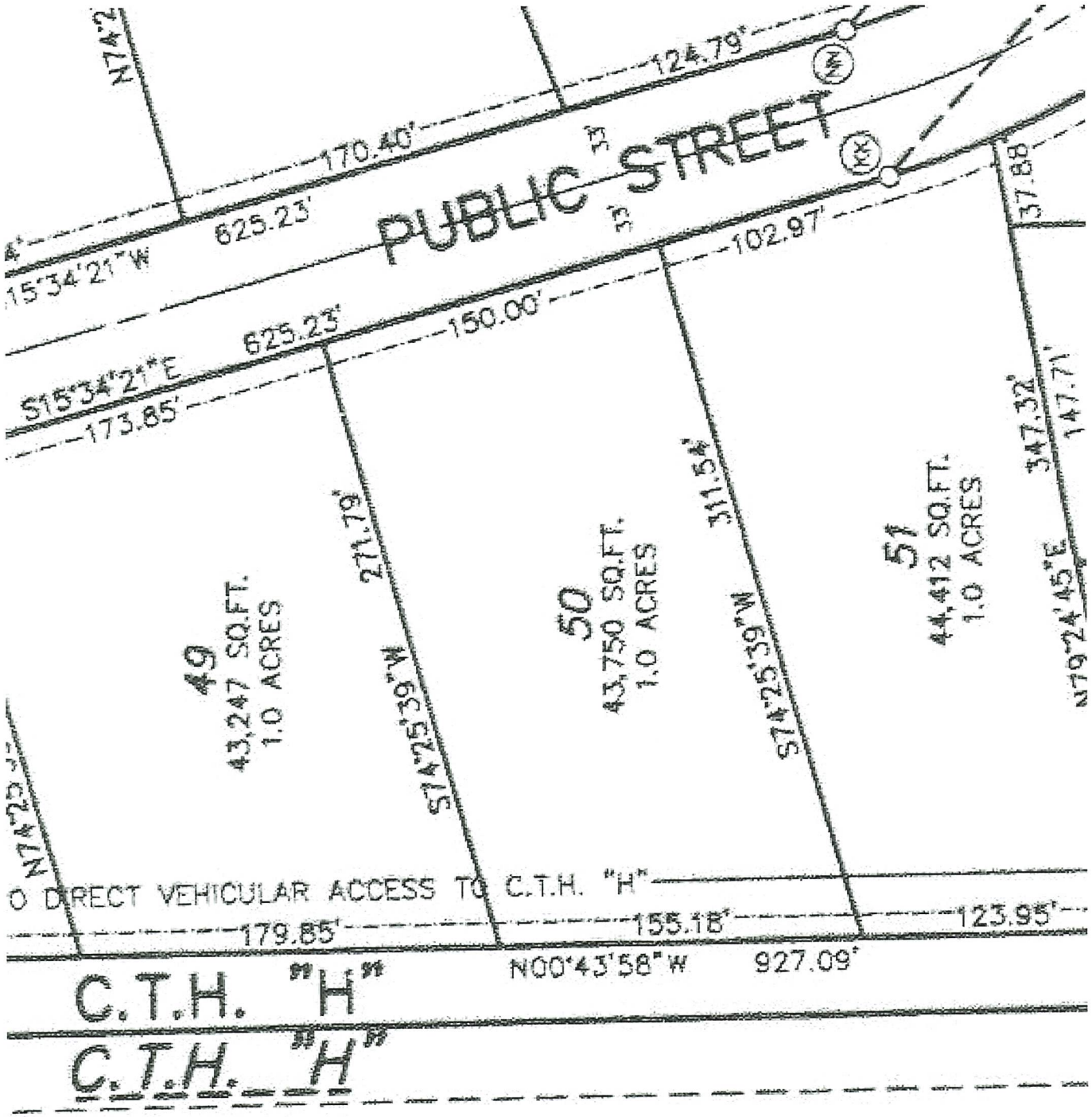
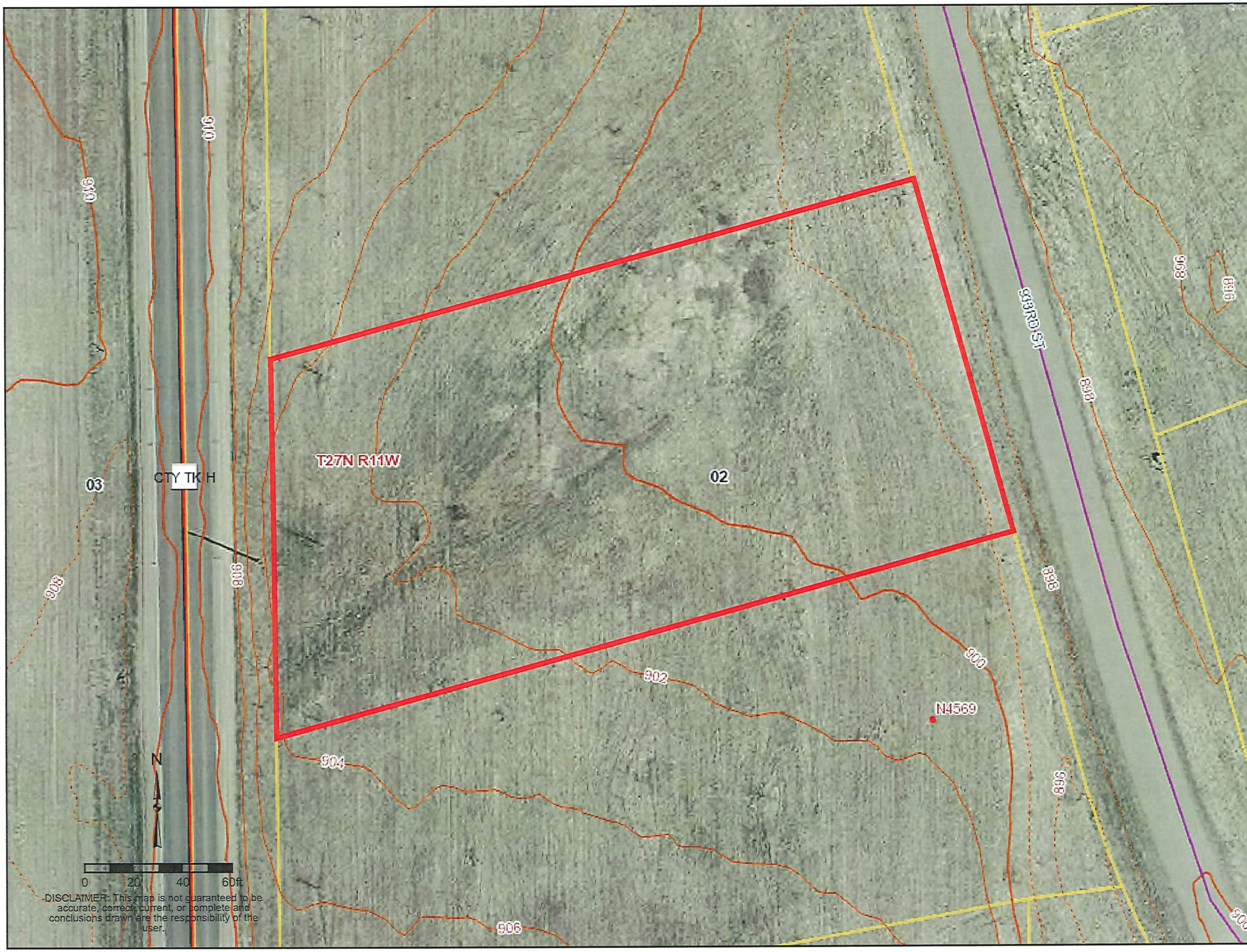
1703422711023300017
1703422711023300009
1703422711023300016
1703422711023300010
1703422711023300015
1703422711023300014
1703422711023300011
1703422711023300012
1703422711023300013
1703422711023300020
1034400001
1034400001
N
0
100
200
300ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.


PUBLIC STREET
33'
33'
N74°2
124.79'
170.40'
625.23'
S15°34'21"W
S15°34'21"E
625.23'
150.00'
102.97'
37.88'
173.85'
271.79'
311.54'
347.32'
147.71'
N79°24'45"E
S74°25'39"W
S74°25'39"W
49
43,247 SQ.FT.
1.0 ACRES
50
43,750 SQ.FT.
1.0 ACRES
51
44,412 SQ.FT.
1.0 ACRES
O DIRECT VEHICULAR ACCESS TO C.T.H. "H"
179.85'
155.18'
123.95'
N00°43'58"W
927.09'
C.T.H. "H"
C.T.H. "H"


933RD ST
T27N R11W
02
03
CTY TK H
N4569
896
898
900
902
904
906
908
910
N
0 20 40 60ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

POWTS Inspection Checklist

erty Owner: MKT Holdings
lumber: Eric Ryan

Date: 5/19/22
Address: 933rd St + County H
System Type, (New)/Replacement: Mound
Proposed System Elevation: 103.3'
on 102.4' Contour

Elevations

BM= 100 Top of Cable Ped	+ 7.97	Elevation
Other Permanent BM		
HI	107.97	
Cleanout	~~15.09~~	
Building Sewer	15.09	92.92 - 0.33 = 92.59
Inlet	15.40	92.57 - 0.33 = 92.24
Pump Pad	~~15.09~~ 19.09	88.88
Outlet	~~15.09~~ 15.01	92.36 - 0.17 = 92.19
(Manifold)/Header		
Lateral End		
Lateral End		
Lateral End		
Lateral End		
(Contour)/Grade	5.79	102.18
Well No well	N/A	
Observation Pipe (system)	4.69 , 4.70 S N	103.28 , 103.27

Notes: 1 ¼"→0.1 ft. 1 ½"→0.13 ft. 2"→0.17 ft. 4"→0.33 ft.

165' force main 2"

Calculations Manifold not yet installed

System Elevation, Level?	Sand Lift	Pump, Vertical Lift	Laterals Level?	Soil Boring 1	Soil Boring 2	Soil Boring 3
	Need 0.9' or 10.8"	max: 23.38'				
	system - Grade 1.09'	(or ≈15' for Zoeller 151) highest pt - pump pad (14.4')				

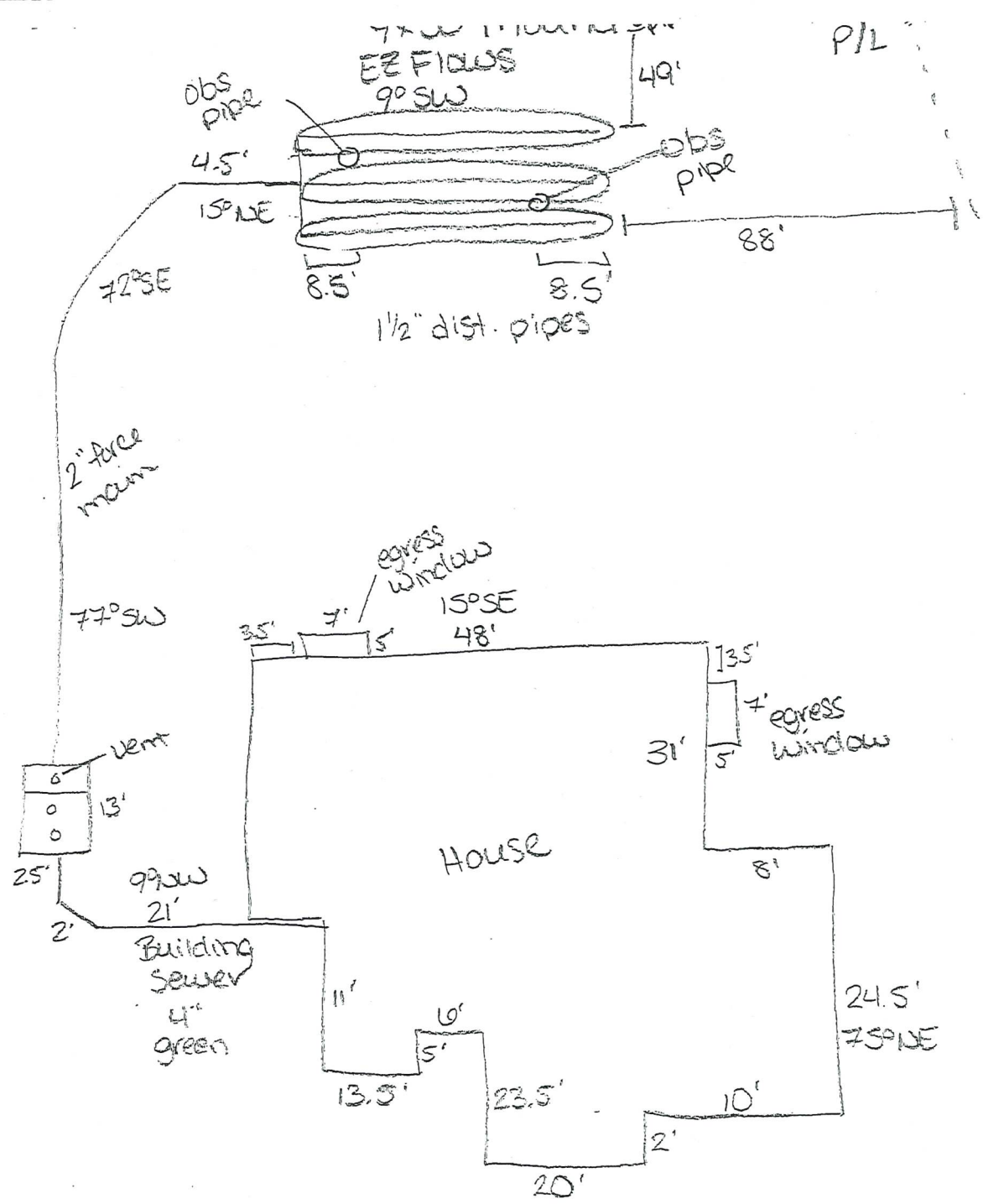
→ ~~At least 0.5' rock? Below 2" on top~~ *Zoeller 151 or (152)

Components

Cleanouts (inside/outside/frost sleeves?)	
Building Sewer length, diameter, depth, and angle (Must be 18" deep, if <42" deep after the first 30' from house must be insulated, piping material ASTM 1785, 2665, 3034)	
If building sewer >/=100' a clean out is needed	
Septic/Holding Tank (type, capacity, angle)	Xkaw 1000/1000 gal. Carbo
Using old tank? (type, capacity, angle)	No
Septic tank inlet (gasket installed properly)	
Septic tank outlet (gasket installed properly, 2" min. fall between inlet)	

*Need at least 5' from side + downslope toe to property line
*9.3' from lateral end to side toe
*13.5' from edge of field to downslope toe

5' needed


P/L
EZ Flows
90° SW
49'
obs pipe
obs pipe
4.5'
15° NE
88'
72° SE
8.5'
8.5'
1½" dist. pipes
2" force main
egress window
77° SW
35'
7'
5'
15° SE
48'
35'
7' egress window
31'
5'
vent
13'
House
25'
99° SW
21'
8'
2'
Building Sewer
4" green
11'
10'
5'
13.5'
23.5'
10'
2'
20'
24.5'
75° NE

DUNN COUNTY Wisconsin

Environmental Services Department
Planning/Zoning Division
3001 US Hwy 12E, Suite 240
Menomonie, WI 54751
715-231-6520

February 10, 2023

BRIAN & TRACIE KNOSPE REVOCABLE TRUST
N4571 933RD ST
ELK MOUND WI 54739

RE: Parcel located in Section 02 T27N-R11W
Town of Springbrook, Dunn County, WI

Septic system installation address/fire number is – **N4571 933RD ST**

In 2022, a new or replacement on-site waste disposal system was installed on the parcel described above. This installation was inspected for code compliance and the inspection report together with the installing plumber's original forms are on permanent file with this office.

Wisconsin Statutes (ss 145.245(3)) requires maintenance of the septic tank for sludge content every three years. You or the subsequent owner of this property will be notified in **2025** to perform maintenance on this system. This maintenance requirement involves pumping of the septic tank by a licensed septic tank pumper or an inspection which verifies no pumping is required at this time. This notification of maintenance will follow every three years thereafter. This maintenance requirement is binding on all successors and assignees of this parcel. As the present owner, you are asked to disclose this requirement to the new owner(s) prior to sale.

The purpose of this maintenance requirement is to avoid premature failure of the private sewage system. A failed system presents a very serious environmental health risk to you and others.

If you have any question about this maintenance program, please do not hesitate to contact this office.

Sincerely,

Michelle Hrdlicka

Michelle Hrdlicka
Zoning Enforcement Officer