

AITKIN COUNTY
CERTIFICATE OF INSTALLATION/~~NOTICE OF NONCOMPLIANCE~~

This certificate of installation/~~notice of noncompliance~~ has been issued this _____ day of _____, 20____ to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: _____

Section _____ Township _____ Range _____ Lake _____
PERMIT NO. _____ Owner Name _____
Address _____
Installer Name _____
Type of System Inspected _____
Parcel Number _____

The certificate of installation/~~notice of noncompliance~~ was based on No ___ of the following:

- 1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.

- 2) Review of as-built plans submitted in accordance with Subdivision 9.2 D of Aitkin County's Subsurface Sewage Treatment System Ordinance.

If the above permitted subsurface sewage treatment system is in noncompliance with Aitkin County's Subsurface Sewage Treatment System Ordinance, then the following shall serve as a Notice of Violation:

- 1) Statement of the findings of fact through inspections or investigations:

- 2) List of specific violations of Ordinance: _____

- 3) Requirements for correction or removal of violations: _____

- 4) Time schedule for compliance: _____

Failure to correct or remove the above violation(s) will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action, which may result in revocation of licenses or registrations, fines and/or imprisonment.

INSPECTOR SIGNATURE _____

**SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA**

2023-0570

Township Balsam Date of Inspection 8/10/2023 F App. Number 47909
7/31/2023 I

Owner Bryan & Cheryl Beneke Parcel Number 03-0-061901

Project Address 52855 145th Pl. Installer Adam Ladd

City Tamarack Zip Code 55787 T3 3BR Mound

New Repair

SETBACKS:
 Buildings to tank(s) 15'+
 Buildings to drainfield 50'+
 Well(s) 50' or 100' DW: 55'+
 Lake/Creek/Wetland -

SEPTIC TANKS: New Existing
 Number of tanks installed (3) 1000, 1000, 520
 Liquid capacity and type (4) 1000 G Jal.
 Type of baffle Plastic

Inspection pipes ---
 Manholes size 24"
 Manhole to grade Yes No

PUMPS: New Existing
 Tank capacity and type (2) 1000 + 520 Jacobsen
 Pump manufacturer & model # (2) Gould PE 31
P. 3 HP 15 GPM
 Horsepower & GPM 0.5 HP 27 GPM
 Feet of head 15'; 23'
 Gallons per cycle 84 GPC
 Size of discharge line 2"
 Type & location of alarm Manual popup
 Water meter Event counter

DRAWING OF SYSTEM: (include soils)

DIST. or DROP BOX & TYPE ---

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:
 Trench/Bed depth ---
 Trench/Bed length ---
 Trench/Bed bottom width ---
 Trench spacing ---
 Drainfield rock below pipe ---
 Size of gravelless pipe ---
 Depth of backfill ---
 Absorption area: square feet ---
 lineal feet ---

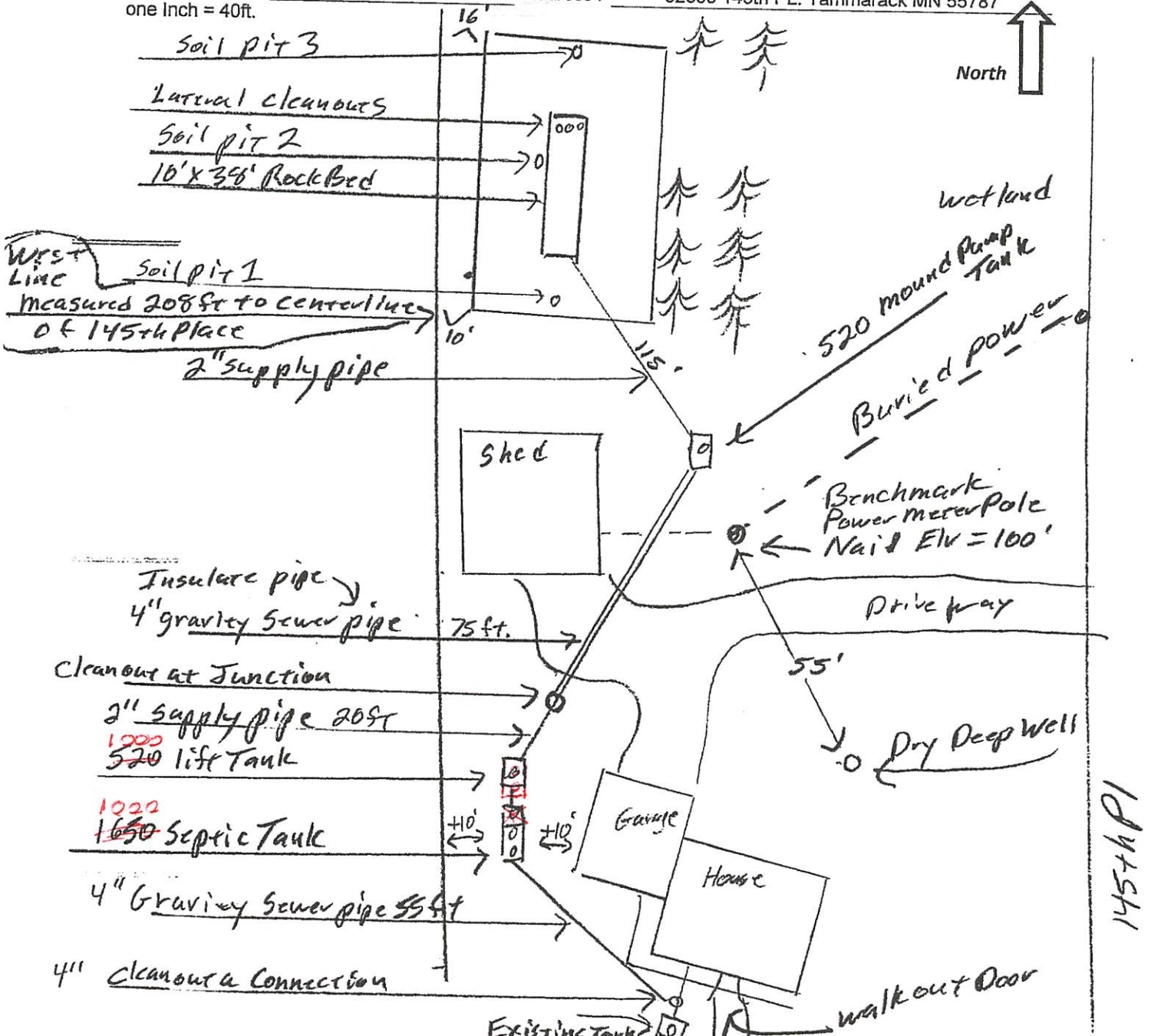
MOUNDS:
 Percent slope 1%
 Upslope sand width 15'
 Downslope sand width 17'
 Sideslope sand width 12'
 Drainfield rock below pipe 9"
 Depth of sand below rock 36"
 Perforation size & spacing 0.25"/36" sp
 Pipe size & spacing 1.5"/36" sp
 Dimensions of rock bed 10' x 38'
 Dimensions of sand base 42' x 62'
 Final cover 12" cover over rb; 6" TS

Inspector's Comments: 2 pumps installed, 1st for 15 GPM + 15' Hd. Second for 27 GPM + 23' Hd. 120' 2". T3 system - 36" mottle free soil requirement met.

Inspector's Signature Bryan Hargrave Installer's Signature [Signature]

{ Design Drawing }

Property Owner: Ellen Mortenson Date: 11/2/22 Designer's Initials: JB
 Parcel ID. Number: 03-0-051901 Address: 52855 145th PL. Tammarack MN 55787
 one Inch = 40ft.



New Septic Tank Grade Elv. = 97.4' Estimated Inlet Elv. = 94.3' Grade at Lift Tank Elv. = 97.2' Estimated In-let + 93.5'
 Drive Way 30 South of Shed Elv. = 97.3' Grade at Pump tank for Mound Elv. = 96.6' Estimated Inlet Elv. = 94'
 Existing Septic Tank Grade Elv. = 97.9' Existing Septic Tank Inlet Elv. = 95.3'

	Surface/ SHWT	Nail on Power pole = Bench Mark 100'		Existing Grade
Soil Pit 1	96.9' / 7"	Bench Mark	100'	Upslope Edge of Rockbed Elv. = 97'
Soil Pit 2	97' / 16"	Ground Elv. BM	96.5'	Bottom of Rockbed Elv. = 100'
Soil Pit 3	96.9' / 7"	Ground Elv. Tank	97.4'	Top of Washed Sand Elv. = 100'
	Ground at	house	98'	Existing Septic Tank In-Let Elv. = 95.3'

Adam Ladd
7.31-23

47909
03-0-061901

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 520P Date Built: 6.7.23 Gallons: 520 Bury Depth 2 1/2
Model # ^{1000S} 1000P Date Built: _____ Gallons: _____ Bury Depth _____

SITE CONDITION:

The site must be accessible to large, heavy trucks. Free of items like trees, stumps, overhead wires, etc. That could interfere with delivery or installation and allows trucks to within 3 to 5 ft of placement excavation.

EXCAVATION:

Excavation should be approximately 12" minimum larger than tank size to allow for adequate back fill. This may vary with soil conditions. Excavation shall have a level bottom so the weight bears on the outside walls of the tank.

BEDDING:

Each tank should be placed on about 6" of proper bedding material leveled, and should be compacted to minimum 95% compaction if tested, to ensure the life of the tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to pass through a 1/2" screen.

WATER TABLE:

When tanks are being placed where water levels can potentially be higher than the elevation of the tank cover, an alternate location should be considered. If water table is high installer must also consider the tank may float, if this is a possibility tank must be tied down before backfilling.

BACKFILL MATERIAL:

Sidewall of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and a minimum of 12" on all sides from the bottom to top of tank. Backfill material shall be placed to avoid impact loads on sidewall of the tank.

COVER MATERIAL:

Cover material shall be dry soil, material that has the ability of 100% to be able to pass through a 2' screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

INLET & OUTLET:

Pipe not to exceed 1" past the interior wall of tank where a baffle is used.

BURIAL DEPTH: Tanks to be installed according to model's maximum bury recommendations











