

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**

Township Fleming Date of Inspection 9/22/2022 App. Number 45536

Owner Jason + Rachael Jacobson Parcel Number 08-0-031901

Project Address 42195 328th Ave. Installer Larry Liljaquist

City Aitkin Zip Code 56431 TI 4BR PB

New Repair

DIST. or DROP BOX & TYPE Pressure Bed

SETBACKS:

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Buildings to tank(s) 38'

Trench/Bed depth 30"

Buildings to drainfield 73'

Trench/Bed length 40.5'

Well(s) 50' or 100' Prop. DW: 100' + to tank

Trench/Bed bottom width 19'

Lake/Creek/Wetland French Lake: 197'

Trench spacing ^{laterals} 6 Lats 1/32"/36" sp. 1.5" pipe/36" sp.

Drainfield rock below pipe 9"

SEPTIC TANKS: New Existing

Size of gravelless pipe —

Number of tanks installed 2

Depth of backfill 12"

Liquid capacity and type 1650 Jac. Combo

Absorption area: square feet 769.5 ft²

Type of baffle Plastic

lineal feet —

Inspection pipes —

MOUNDS:

Manholes size 24"

Percent slope —

Manhole to grade Yes No

Upslope sand width —

PUMPS: New Existing

Downslope sand width —

Tank capacity and type 520 Jac.

Sideslope sand width —

Pump manufacturer & model # Liberty 298

Drainfield rock below pipe —

Horsepower & GPM 3/4 HP 44 GPM

Depth of sand below rock —

Feet of head 21'

Perforation size & spacing —

Gallons per cycle 110 GPC

Pipe size & spacing —

Size of discharge line 2"

Dimensions of rock bed —

Type & location of alarm Elec. on tank

Dimensions of sand base —

Water meter —

Final cover —

DRAWING OF SYSTEM: (include soils)

SOIL

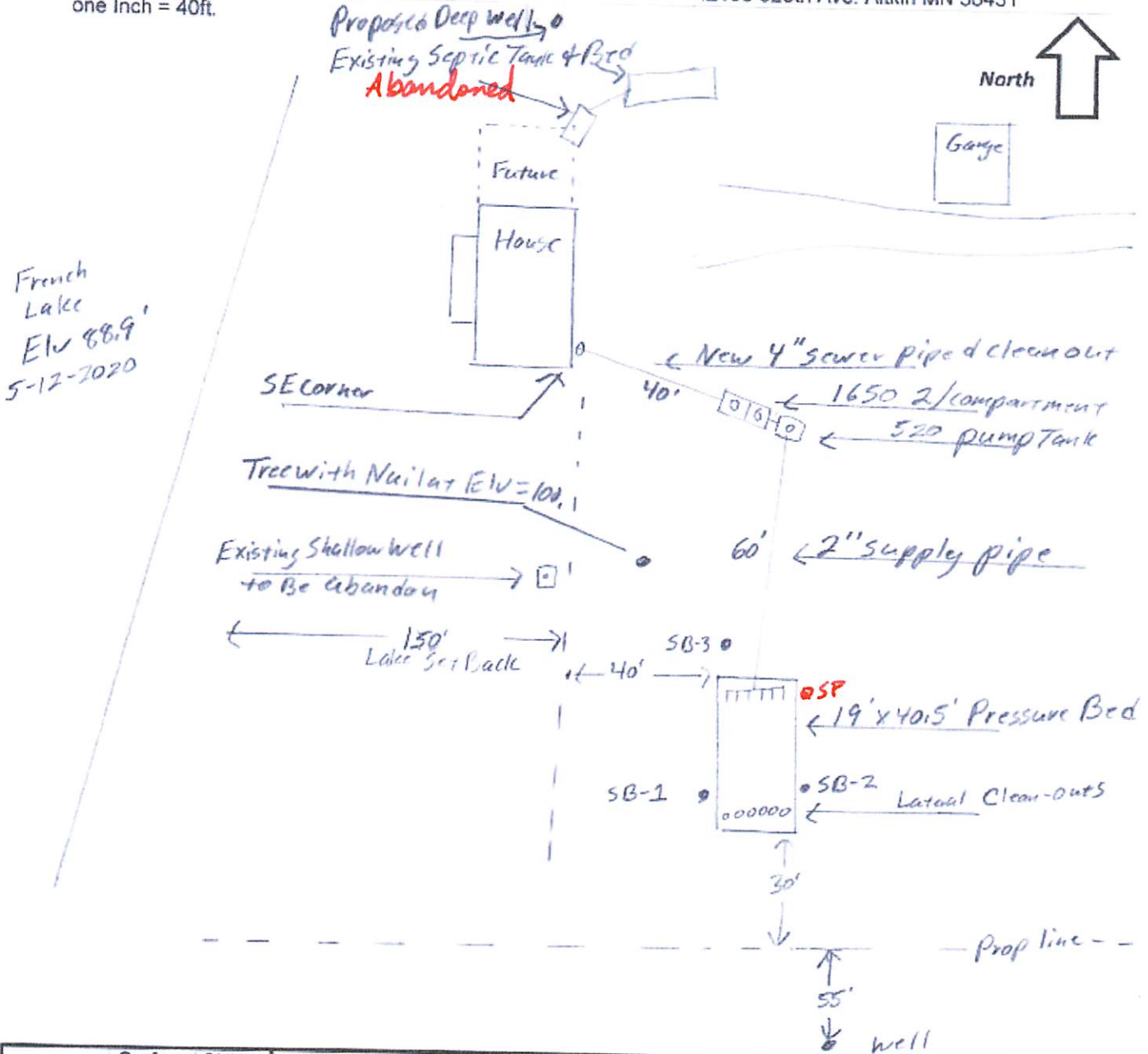
A 0-5" 10YR3/2 LS 5-10% cf
Bw 5-22" 10YR4/3 LS 5-10% cf
BC 22-32 10YR 5/3 S 5-10% cf
C 32-70" 10YR6/3 S 10-15% cf
some banding in profile below 32"
Not mottling

Inspector's Comments: _____

Inspector's Signature Bryan Hargrave Installer's Signature Adam Talbot

{ Design Drawing }

Property Owner: Jason Jacobson Date: 5/12/20 Designer's Initials: JB
 Parcel ID. Number: 08-0-031901 Address: 42195 328th Ave. Aitkin MN 56431
 one Inch = 40ft.



	Surface/ SHWT	Nail on Tree = Bench Mark 100'	
Soil Bore 1	99' / 84"	Bench Mark	100'
Soil Bore 2	99.9' / 78"	Ground Elv. BM	98.3'
Soil Bore 3	99.7' / 84"	Ground Elv. Tank	99'
	Ground at	SE house	99.5'
		Existing Grade P-bed corners	
		NW = 99.4', SW=99.8', NE=99.4', SE= 100.5'	
		Estimated Inlet Elv.= 96'	
		Lake Elv.= 86.7' shore Elv.= 88.9'	

Please show all that apply (Existing)

- Wells within 100ft. Of Drain field.
- Water lines within 10 ft. of Drain field.
- Drain field Areas:

Please Draw to Scale with North to Top or Left Side of Page:

- | | |
|---------------------------|-----------------------------------|
| Disturbed/Compacted Areas | Access Route for Tank Maintenance |
| Component Location | Property Lines |
| OHW ordinary high water | Structures |
| Lot Easements | Setbacks |

JACOBSON PRECAST CONCRETE, LLC**TANK INSTALLATION INSTRUCTIONS**Model # 1650SP Date Built: 6-21-77 Gallons: 1690 Bury Depth 2'Model # 500P Date Built: 7-5-72 Gallons: 570 Bury Depth 2 1/2'**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:

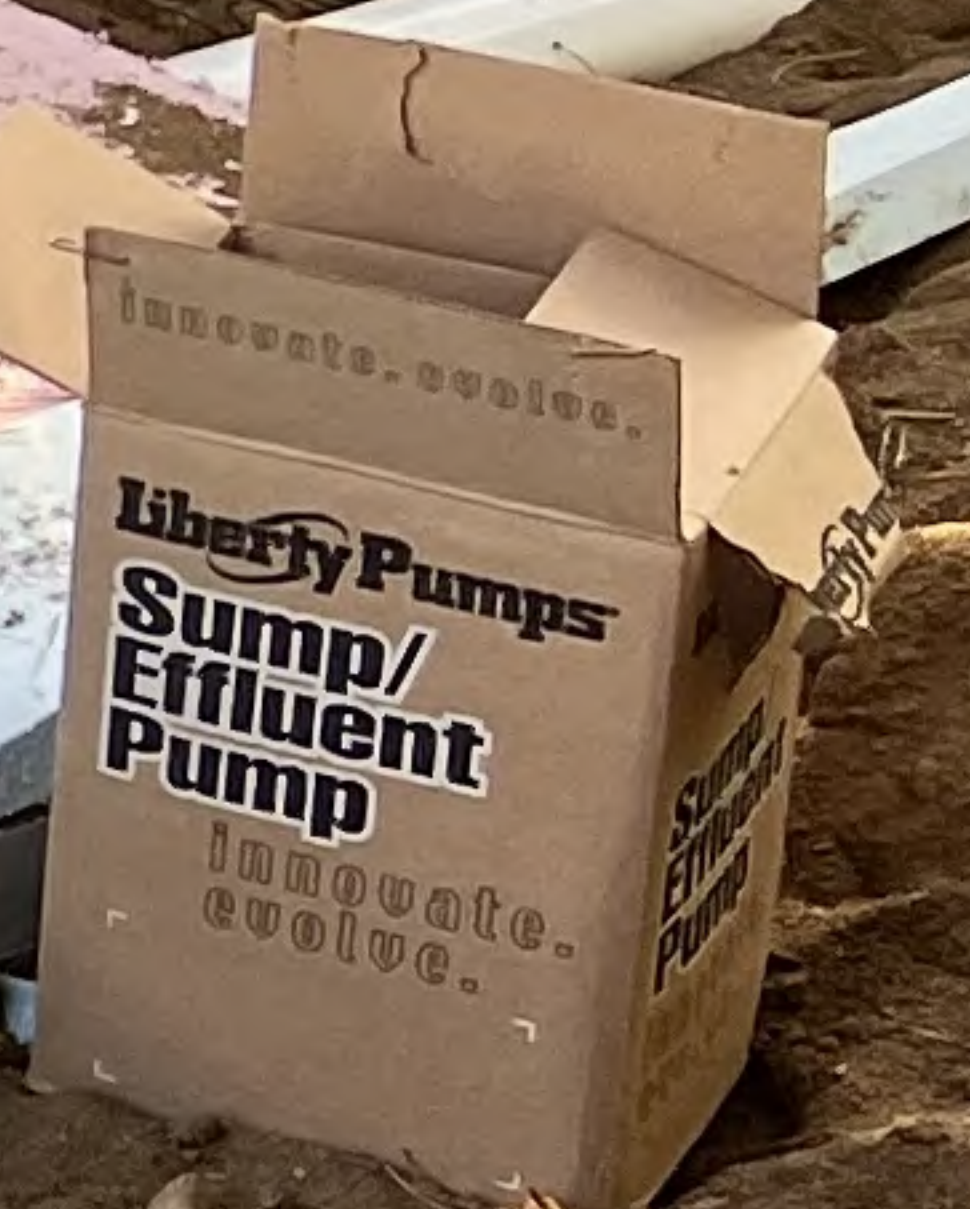
Cover material shall be dry soil, material that has the ability of 100% to be able to pass through a 2' screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

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:





DUPONT®
Styrofoam
Square Edge Insulation
25 psi; max 0.1% water absorption
At 1/4" thick, ASTM E84 Class A

DAMULAR 250
R-10

Liberty Pumps
Sump/
Effluent
Pump
innovate.
evolve.



AWAR
Operate
STAY CLEAR

