

**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 Glen Date of Inspection 6/26/2020 I App. Number 2020-5485  
7/28/2020 F 44865  
Owner Jeffrey Allen Parcel Number 09-1-076500 09-0-059102  
Project Address 28425 315<sup>th</sup> Ave. Installer Larry Liljenquist  
City Aitkin Zip Code 56431 TI 3BR Mound.

New  Repair

DIST. or DROP BOX & TYPE \_\_\_\_\_

**SETBACKS:**

Buildings to tank(s) 51'  
Buildings to drainfield 150'+  
Well(s) 50' or 100' SW @ 61' to tank  
Lake/Creek/Wetland Clear Lake @ 112' to tank

**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 NA  
Depth of backfill \_\_\_\_\_  
Absorption area: square feet \_\_\_\_\_  
lineal feet \_\_\_\_\_

**SEPTIC TANKS:**

New  Existing   
Number of tanks installed (1) 1650 Jac. Combo  
Liquid capacity and type 1120 part Combo  
Type of baffle Plastic 3.5' riser  
Inspection pipes \_\_\_\_\_  
Manholes size 24"  
Manhole to grade Yes  No

**MOUNDS:**

Percent slope 0%  
Upslope sand width 7'  
Downslope sand width 7'  
Sideslope sand width 7'  
Drainfield rock below pipe 9"  
Depth of sand below rock 12"  
Perforation size & spacing 1/32" / 36" sp.  
Pipe size & spacing 1.5' / 3' sp.  
Dimensions of rock bed 10' x 38'  
Dimensions of sand base 24' x 52'  
Final cover 12" cover over rbj

**PUMPS:**

New  Existing   
Tank capacity and type 533 part Combo  
Pump manufacturer & model # Liberator 283  
Horsepower & GPM 1/2 HP 22 GPM  
Feet of head 19'  
Gallons per cycle \_\_\_\_\_  
Size of discharge line 1.5"  
Type & location of alarm Elec. alarm.  
Water meter Filter

**DRAWING OF SYSTEM: (include soils)**

See attached site plan.

Inspector's Comments: 50' 4" 230' 2" bored directionally under street.

Inspector's Signature Bryan Hargrave Installer's Signature \_\_\_\_\_

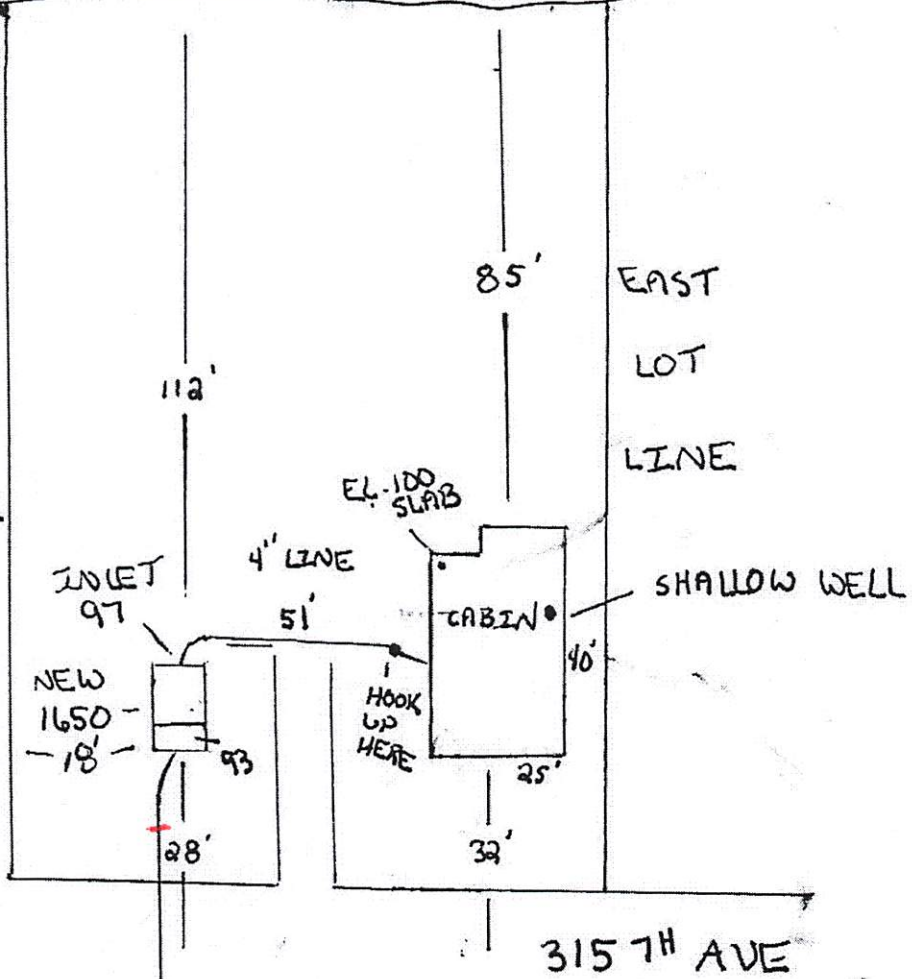
# CLEAR LAKE



1" = 30'

WEST LOT LINE

EAST LOT LINE

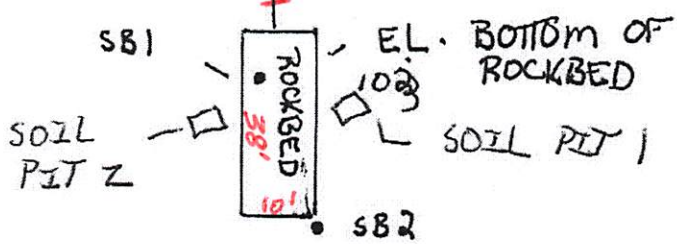


315 TH AVE

WELL TO TANK - 61'

2" BORED

225'



Soil Pit

A	0-4"	10%R3/2	FSL	5-10% cf
E	4-11"	10%R5/3	FSL	5-10% cf
E/B	11-18"	10%R5/3	FSL	5-10% cf
		7.5%R4/3		
B+	18-25"	7.5%R4/4	FSL	10-15% cf
2B	25-38"	7.5%R4/4	CS	35-50% cf
3C1	38-50"	5%R4/4	Strat. SCL	
			+ SL	10-15% cf

# JACOBSON PRECAST CONCRETE, LLC

## TANK INSTALLATION INSTRUCTIONS

Model # 1650NF2 Date Built: 5-14-20 Gallons: 1650 Bury Depth 3 1/2

Model # \_\_\_\_\_ 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:



1650

2

5-1/2

OUT

2020/06/29



IN

2020/06/29



2020/06/29



2020/06/29





2020/06/29



2020/06/29



2020/06/29



2020/06/29



2020/06/29



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