

John Benson
9-28-22

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 760 P Date Built: 7.23.21 Gallons: 760 Bury Depth 5'

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:

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

This certificate of installation/~~notice of noncompliance~~ has been issued this 29th day of September, 2022 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: .33 AC OF LOT 1 IN DOC 209681 & PART OF SW SE AS IN DOC 429220

Section 26/23 Township 46/46 Range 27/27 Lake Spirit
PERMIT NO. 46655 Owner Name Robert & Rachael Folsom
Address 30008 414th Pl Aitkin, Mn 56431
Installer Name John Benson
Type of System Inspected 2 Bdrm Type I trench addition
Parcel Number 07-0-052702/07-0-046002

The certificate of installation/~~notice of noncompliance~~ was based on No 1 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, fines and/or imprisonment.

INSPECTOR SIGNATURE



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

Township Farm Island Date of Inspection 9-29-22 App. Number 2021-008402

Owner Robert & Rachael Folsom Parcel Number 07-0-046002/07-052702

Project Address 32208 414th Pl Installer John Benson Exc.

City Aitkin Zip Code 52431

New Repair

SETBACKS:

Buildings to tank(s) 20'
Buildings to drainfield 100' +
Well(s) 50' or 100' > 100'
Lake/Creek/Wetland > 100'

SEPTIC TANKS: New Existing

Number of tanks installed 1 Jacobson Combo
Liquid capacity and type 1650 plastic
Type of baffle Plastic
Inspection pipes —
Manholes size 2 @ 24 1 @ 20
Manhole to grade Yes No

PUMPS: New Existing

Tank capacity and type 760 Jacobson
Pump manufacturer & model # Zoeller B1152
Horsepower & GPM .4 hp 20 gpm
Feet of head 30'
Gallons per cycle 75
Size of discharge line 2"
Type & location of alarm elec @ tank
Water meter —

DIST. or DROP BOX & TYPE —

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Trench/Bed depth 30"
Trench/Bed length 2 @ 53'
Trench/Bed bottom width 3'
Trench spacing 8' o.c.
Drainfield rock below pipe 12"
Size of gravelless pipe —
Depth of backfill 12"
Absorption area: square feet 318 ft²
lineal feet 106'

MOUNDS:

Percent slope —
Upslope sand width —
Downslope sand width —
Sideslope sand width —
Drainfield rock below pipe —
Depth of sand below rock —
Perforation size & spacing —
Pipe size & spacing —
Dimensions of rock bed —
Dimensions of sand base —
Final cover —

DRAWING OF SYSTEM: (include soils)

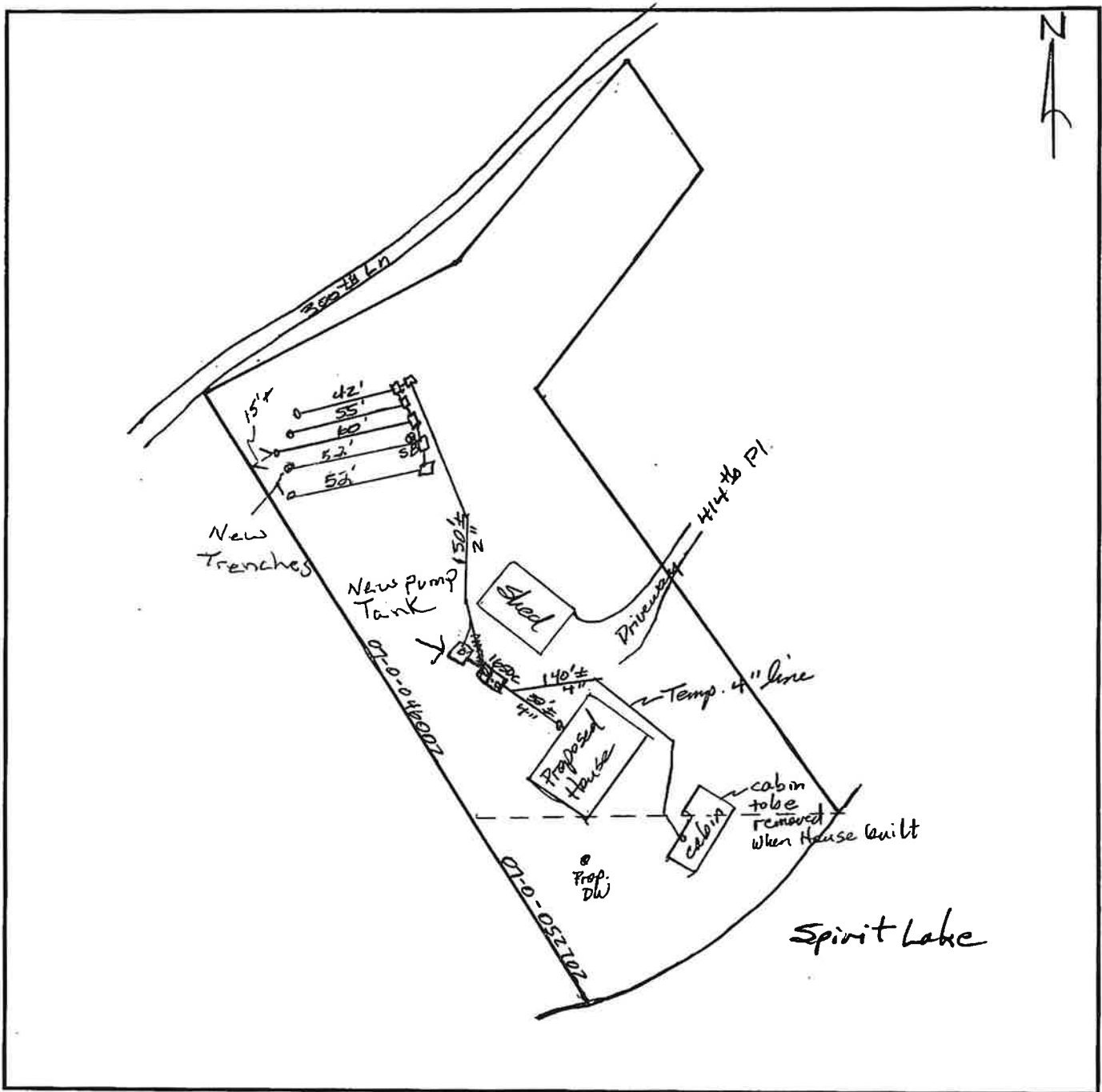
separate drawing attached

Inspector's Comments: _____

Inspector's Signature [Signature]

Installer's Signature [Signature]

Amended Site Drawing



Soils			
A	0-3"	10YR 3/2 LS	0-5%ocf
Bw	3-31"	7.5YR 4/4 S	0-5%ocf
C	31-85"+	7.5YR 5/4 S	0-5%ocf
		7.5YR 6/4	
No redox w/i 85"			
4-S lamella @ 60-80". No redox			
assoc. w/ them.			

Notes
Cabin by lake to be removed when prop. house built. Also the temp 4" line to be removed. DW not drilled at time installation.