

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 Farm Island Date of Inspection 10/3/2022 F
9/21/2022 App. Number 47208

Owner Farm Island Lake Partnership LP Parcel Number 07-1-143200

Project Address 28237 432nd Pl. Installer John Benson

City Aitkin Zip Code 56431 T3 SBR mound

New Repair

DIST. or DROP BOX & TYPE _____

SETBACKS:

Buildings to tank(s) 52'

Buildings to drainfield 41'

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

Lake/Creek/Wetland Farm Island: 79' 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 _____

Depth of backfill _____

Absorption area: square feet _____

lineal feet _____

SEPTIC TANKS: New Existing

Number of tanks installed 2

Liquid capacity and type 1650 Jac. combo

Type of baffle Plastic

Inspection pipes _____

Manholes size 24"

Manhole to grade Yes No

MOUNDS:

Percent slope 6%

Upslope sand width 10'

Downslope sand width 19'

Sideslope sand width 10'

Drainfield rock below pipe 9" of 12" total

Depth of sand below rock 24"

Perforation size & spacing 7/32"/36" sp.

Pipe size & spacing 1.5"/36" sp.

Dimensions of rock bed 10' x 63'

Dimensions of sand base 39' x 83'

Final cover 12" cover over rb; 4" TS

PUMPS: New Existing

Tank capacity and type 760 Jac. pump

Pump manufacturer & model # Gould P51

Horsepower & GPM 0.5 HP 36 GPM

Feet of head 22'

Gallons per cycle 107 GPC

Size of discharge line 2"

Type & location of alarm Elec. alarm on tank

Water meter Event counter

DRAWING OF SYSTEM: (include soils)

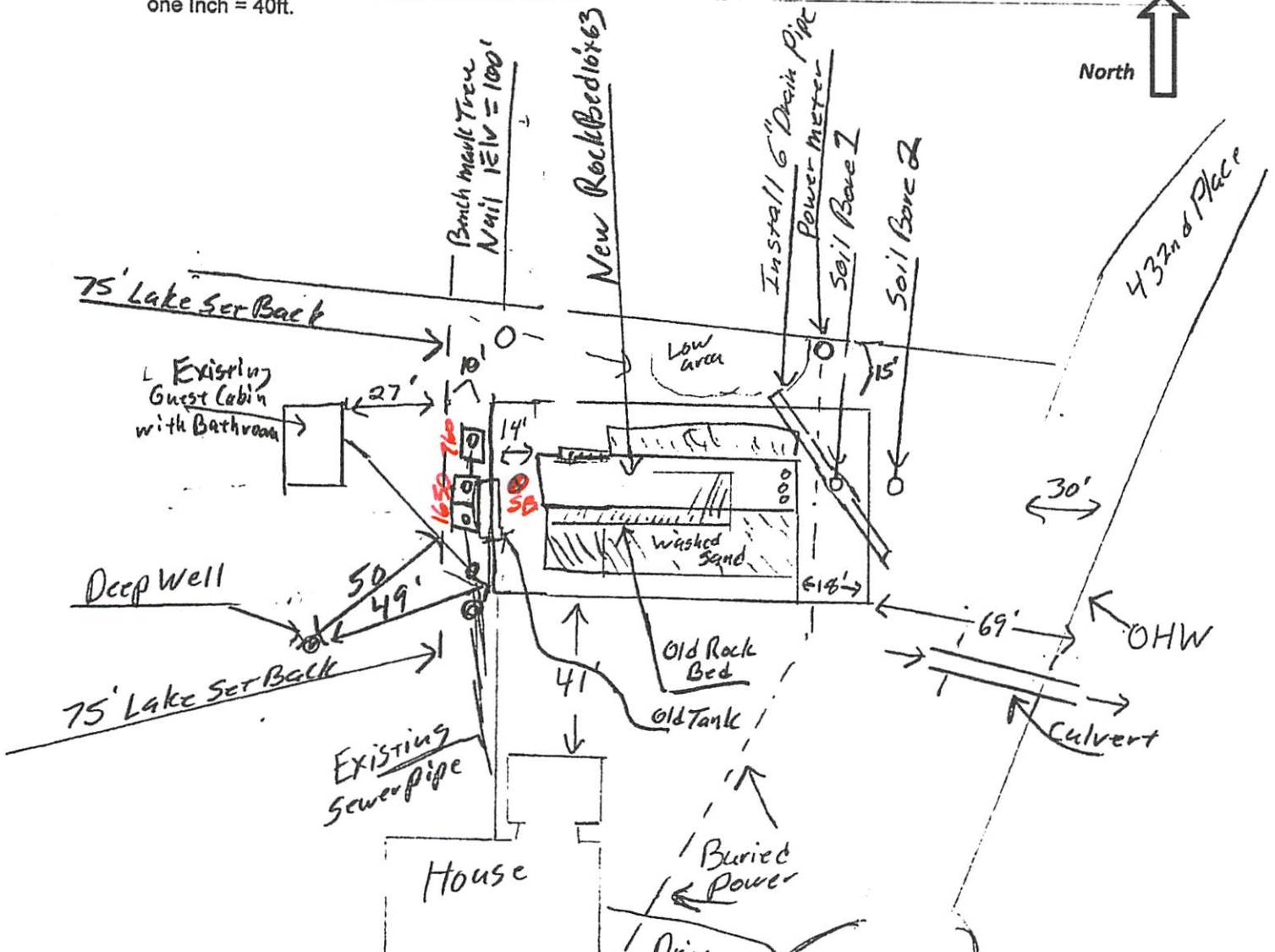
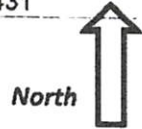
soil
A 0-5" 10YR 3/2 L 5-10% cf
E 5-14" 10YR 5/3 L 5-10% cf
E/B 14" + 10YR 5/3 L 5-10% cf
10YR 4/4

Inspector's Comments: _____

Inspector's Signature Bryan Hargrave Installer's Signature _____

{ Design Drawing }

Property Owner: Joseph Arndt Date: 9/21/21 Designer's Initials: JB
 Parcel ID. Number: 07-1-143200 Address: 28237 432nd Pl. Aitkin MN 56431
 one Inch = 40ft.



Estimated Removal Depth of old mound Elev. = 97'
 Grade at Culvert at Road East of Mound Elev. = 93.8'
 Low area North of new mound Elev. = 97.7'
 Existing Top of Rockbed Elev. = 98.2'
 Estimated Farm Island Lake Elev. = 88.8'
 Top of Deep Well Cap Elev. = 104.6'
 Grade at Deep Well Elev. = 102.8'

Surface/ SHWT	Nail on Tree = Bench Mark 100'	Existing Grade
Soil Bore 1 97' / 22"	Bench Mark 100'	Upslope Edge of Rockbed Elev. = 97'
Soil Bore 2 97' / 17"	Ground Elev. BM 99.6'	Bottom of Rockbed Elev. = 100'
Soil Bore 3	Ground Elev. Tank 99'	Top of Washed Sand Elev. = 100'
Ground at Existing house	103.2' NW Corner	Existing Septic tank Inlet Elev. = 96.4'

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 |

John Benson
8-1-22

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 1650 Date Built: 5-12-22 Gallons: 1650 Bury Depth 3

Model # 700P^{#3} Date Built: 8-6-21 Gallons: 700 Bury Depth 3 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:







