

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 6/18/2020 I 2019-5407
10/27/2020 F App. Number 44827
 Owner Robert Isabel Parcel Number 07-0-046102

Project Address 30040 414th Pl. Installer John Benson
 City Aitkin Zip Code 56431 TI HBR PB

New Repair DIST. or DROP BOX & TYPE PB

SETBACKS:
 Buildings to tank(s) 50' +
 Buildings to drainfield 100' +
 Well(s) 50' or 100' DW @ 70' to cabin lift tank
 Lake/Creek/Wetland Spirit Lake: 100'

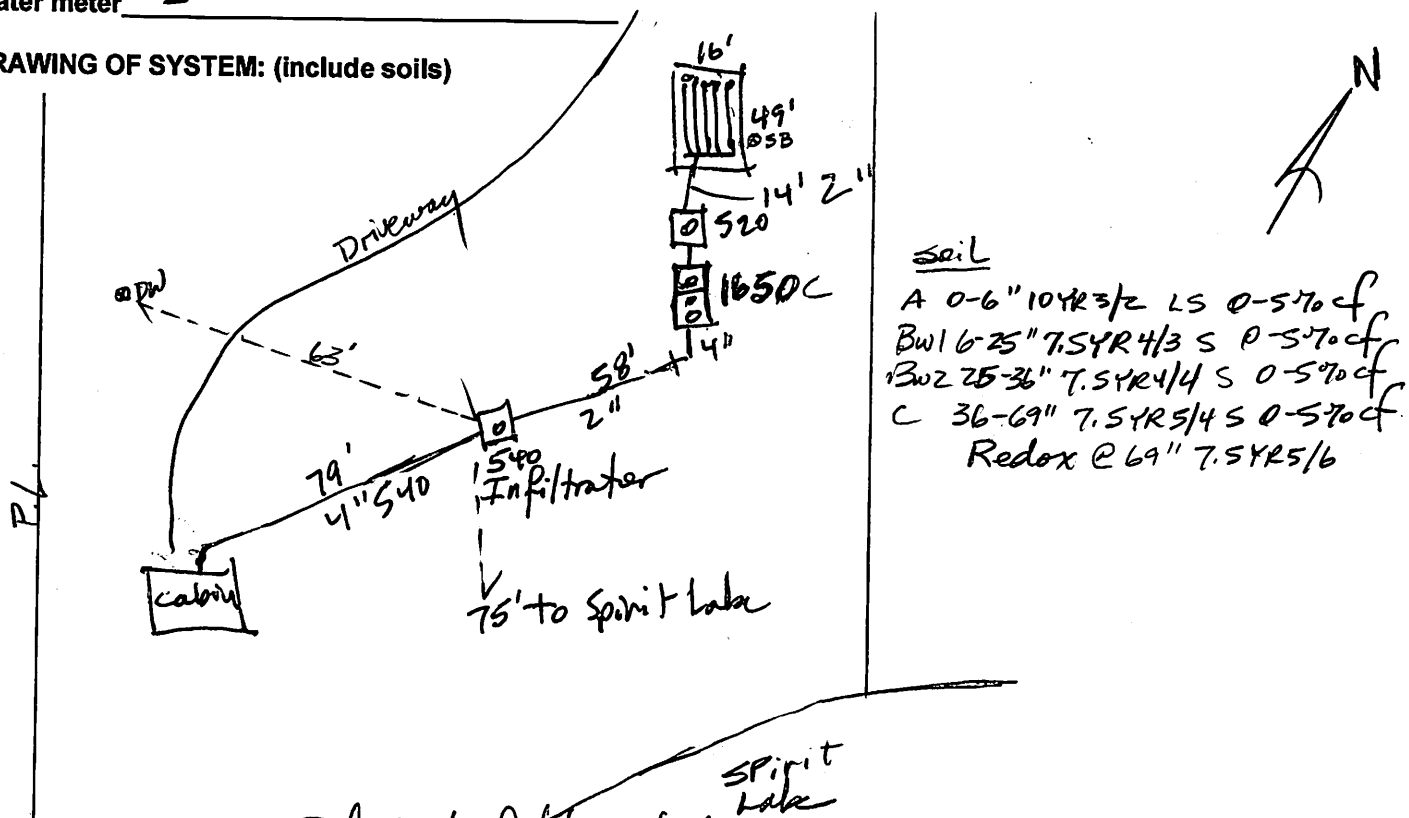
TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:
 Trench/Bed depth 30"
 Trench/Bed length 49'
 Trench/Bed bottom width 16'
 Trench spacing (5) 1.85" laterals; 3' sp.
 Drainfield rock below pipe 9"
 Size of gravelless pipe -
 Depth of backfill 12"
 Absorption area: square feet 768 ft²
 lineal feet -

SEPTIC TANKS: New Existing
 Number of tanks installed (2) 520 Jac. combo
 Liquid capacity and type 1650 combo tank
 Type of baffle Plastic
 Inspection pipes -
 Manholes size 24"
 Manhole to grade Yes No

MOUNDS:
 Percent slope _____
 Upslope sand width _____
 Downslope sand width _____
 Sideslope sand width _____
 Drainfield rock below pipe _____
 Depth of sand below rock _____
 Perforation size & spacing 7/32" / 36" sp
 Pipe size & spacing _____
 Dimensions of rock bed _____
 Dimensions of sand base _____
 Final cover _____

PUMPS: New Existing
 Tank capacity and type 520 Jac. lift
 Pump manufacturer & model # Zoeller 153
 Horsepower & GPM 0.1 HP 45 GPM
 Feet of head 17'
 Gallons per cycle 103 GPC
 Size of discharge line 1.25"
 Type & location of alarm (3) elec. alarm tanks
 Water meter -

DRAWING OF SYSTEM: (include soils)



soil
 A 0-6" 10YR 3/2 LS 0-5% cf
 Bw1 6-25" 7.5YR 4/3 S 0-5% cf
 Bw2 25-36" 7.5YR 5/4 S 0-5% cf
 C 36-69" 7.5YR 5/4 S 0-5% cf
 Redox @ 69" 7.5YR 5/6

Inspector's Comments: Polylock filter w/ alarm. 13W 267 Grinder pump 1/2 HP
540 Jac. Infiltrator w/ grinder pump

Inspector's Signature Bryan Hargrave Installer's Signature _____

John Benson
6-16-20

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 1650SS Date Built: 9.10.19 Gallons: 1650 Bury Depth 2 1/2'
Model # 520P #2 Date Built: 5.16.19 Gallons: 520 Bury Depth 3'

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:



2020/06/18



JOHN DEERE
430

2020/06/18



2020/06/18



2020/06/18



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