

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 Williams Date of Inspection 5/19/2020 I App. Number 44276
 Owner Betty Knot Parcel Number 38-1-060100
 Project Address 13876 188th Pl. Installer Dave Tengdahl
 City McGrath Zip Code 56350 TI ZBR Mound

New Repair

DIST. or DROP BOX & TYPE _____

SETBACKS:

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Buildings to tank(s) 46'
 Buildings to drainfield 46' to mound.
 Well(s) 50' or 100' DW 100'
 Lake/Creek/Wetland _____

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

MOUNDS:

Number of tanks installed 1 Jacobson 1650 c
 Liquid capacity and type 1120 part combo
 Type of baffle Plastic
 Inspection pipes _____
 Manholes size 24"
 Manhole to grade Yes No

Percent slope 12%
 Upslope sand width 7'
 Downslope sand width 18'
 Sideslope sand width 7'
 Drainfield rock below pipe 9" of 12" total
 Depth of sand below rock 18"
 Perforation size & spacing 0.25"/30"
 Pipe size & spacing 1.5"/3' sp.
 Dimensions of rock bed 10' x 25'
 Dimensions of sand base 35' x 39'
 Final cover 12" cover over 6" 4" TS

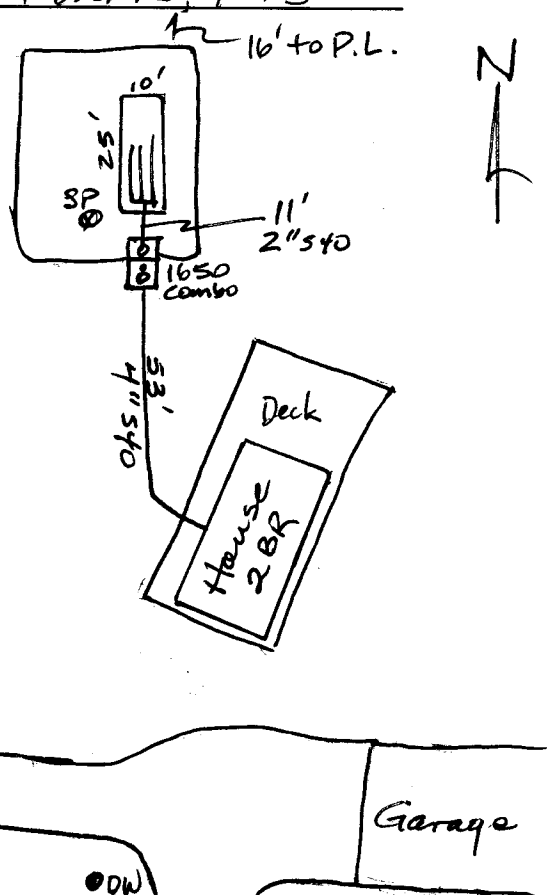
PUMPS:

New Existing

Tank capacity and type 533 part combo
 Pump manufacturer & model # Liberty 283
 Horsepower & GPM 0.5 HP 22.2 GPM
 Feet of head 11.2'
 Gallons per cycle _____
 Size of discharge line 1.5"
 Type & location of alarm Elec. on tank + Filter
 Water meter _____

DRAWING OF SYSTEM: (include soils)

soil
 A 0-4" 10YR 3/2 L 0-5% cf
 E 4-10" 10YR 5/3 L 0-5% cf
 Bw1 10-21" 7.5YR 4/3 SL 5-10% cf
 Bw2 21" + 7.5YR 4/4 SL 5-10% cf
 w/ 7.5YR 5/6 mottles.



Inspector's Comments: 53' 4" 11' 2"

Inspector's Signature Bryan Hargrave Installer's Signature _____

Davis Dirt
5-19-20

JACOBSON PRECAST CONCRETE, LLC

TANK INSTALLATION INSTRUCTIONS

Model # 1650SP # Date Built: 6-18-19 Gallons: 1650 Bury Depth 2'6" RT
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 my 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:



2020/05/20



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2020/06/01



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