

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 Rice River Date of inspection 9/22/2023 F App. Number 2022-009127
9/14/2023 I

Owner Raymond Newkirk Parcel Number 26-0-035101

Project Address 19184 State Hwy 27 Installer Mark Ritter

City McGregor Zip Code 55160

New Repair

DIST. or DROP BOX & TYPE ---

SETBACKS:

Buildings to tank(s) 41'
Buildings to drainfield 100'+
Well(s) 50' or 100' DW: 200'+
Lake/Creek/Wetland ---

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 (1) 1650 JOC Combo
Liquid capacity and type 1120 part combo
Type of baffle Plastic

MOUNDS:

Percent slope 5%
Upslope sand width 8'
Downslope sand width 15'
Sideslope sand width 8'
Drainfield rock below pipe 9"
Depth of sand below rock 18"
Perforation size & spacing 1/4" / 36"
Pipe size & spacing 4.5" / 3'
Dimensions of rock bed 10' x 38'
Dimensions of sand base 33' x 54'
Final cover 12" cover over mb; 6" FS

Inspection pipes ---

Manholes size 24"

Manhole to grade Yes No

PUMPS: New Existing

Tank capacity and type 533 part combo
Pump manufacturer & model # Gould PES1
Horsepower & GPM 5 HP 27 GPM
Feet of head 27'
Gallons per cycle 85 GPC
Size of discharge line 2"
Type & location of alarm Electronic on Tank
Water meter ---

Soil description

A 0-6" 10YR 3/2 FSL < 35% cl
E 6-12" 10YR 5/3 FSL < 35% cl
B 12-20" 10Y 4/3 FSL < 35% cl
No red x w/ 20"

DRAWING OF SYSTEM: (include soils)

Inspector's Comments: _____

Inspector's Signature Bryan Hargrave Installer's Signature Mark Ritter



6" DW

Ritter Sewer
9.13.23

JACOBSON PRECAST CONCRETE

TANK INSTALLATION INSTRUCTIONS

Model # 1650 #4 Date Built: 5.18.23 Gallons: 1650 Bury Depth 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:









