

**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 Wagner Date of Inspection 8/31/2021 App. Number 46376

Owner Donald + Patricia Tietz Parcel Number 34-1-085800

Project Address 11119 117<sup>th</sup> St. Installer Greg Westerlund

City Finlayson Zip Code 55735 T1 ZBR PB

New  Repair

DIST. or DROP BOX & TYPE Pressure Bed

**SETBACKS:**

Buildings to tank(s) 25'

Buildings to drainfield 93'

Well(s) 50' or 100' DW: 67' to 4" c/o

Lake/Creek/Wetland -

**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**

Trench/Bed depth 12"

Trench/Bed length 25'

Trench/Bed bottom width 15'

<sup>Lateral</sup> Trench spacing 5 Lats / 24"

Drainfield rock below pipe 6"

SEPTIC TANKS: New  Existing

Size of gravelless pipe -

Number of tanks installed (1) 1500 Constone tank

Depth of backfill 12"

Liquid capacity and type 1000G part combo

Absorption area: square feet 370 ft<sup>2</sup>

Type of baffle Plastic

lineal feet -

Inspection pipes -

**MOUNDS:**

Manholes size 24"

Percent slope /

Manhole to grade Yes  No

Upslope sand width /

PUMPS: New  Existing

Downslope sand width /

Tank capacity and type 500G part Combo.

Sideslope sand width /

Pump manufacturer & model # Zoeller BN15Z

Drainfield rock below pipe /

Horsepower & GPM 1/2 HP 37 GPM

Depth of sand below rock /

Feet of head 18'

Perforation size & spacing 0.25"/30" sp.

Gallons per cycle 75 GPC

Pipe size & spacing 1.5" pipe

Size of discharge line 1.5"

Dimensions of rock bed /

Type & location of alarm Elec. alarm on tank

Dimensions of sand base /

Water meter -

Final cover Swell pit

**DRAWING OF SYSTEM: (include soils)**

A 0-4" 10YR3/2 SL 5-10% cf  
 E 4-12" 7.5YR5/3 SL 5-10% cf  
 B1 12-28" 7.5YR4/3 LS 10-15% cf  
 B2 28-35" 7.5YR4/4 LSW/bnds of sil 10-15% cf.  
 C 35-71" 7.5YR5/4 CSW/bnds of L 10-15% cf

Inspector's Comments: \_\_\_\_\_

Inspector's Signature Bryan Hargrave Installer's Signature \_\_\_\_\_

TANK INSTALLATION REQUIREMENTS

SITE CONDITIONS

The site must be free of large, heavy objects (trees, stumps, overhead wires, etc.) that could interfere with delivery, and in all cases allow trucks to within 3 to 6 feet of placement site under safe site conditions.

EXCAVATION

Excavation shall be approximately 12" minimum larger than the tank size to allow for adequate back fill. This may vary with soil conditions. Excavation must allow the truck within 3 ft. for placement of tank. Excavation shall have a level bottom so that weight bears on the outside walls of the tank.

BEDDING

Proper bedding is essential to the life of the tank. Bedding must be capable of bearing the weight of the tank and bedding material. Bedding shall be 4" minimum compacted thickness may vary with varying soil conditions.

WATER TABLE

When tanks are to be placed where water table is no more than the elevation of the tank cover, an alternate location should be considered.

BACKFILL

Sides of excavation shall be dry backfill material. Backfill material shall be able to pass through a 2" screen and shall be 12" minimum from the tank to the edge of the excavation. Backfill material shall be placed in a manner that avoids impact from any falls of the tank. No compaction shall be permitted on the side walls of the tank.

COVER MATERIAL

Cover material shall be clean and dry soil that is the ability of backfill material to pass through a 4" screen. Cover material shall be placed over tank and around riser in a manner that is 12" minimum from the center of the tank and riser riser.

MANUFACTURER'S COVER

Cover must be secured level. Cover must be secured by being locked, being bolted to the tank cover, or at least 95 pounds, or other methods. Cover must be the local unit of measurement. Cover must be designed so the cover will not be damaged or shipped. Cover must be designed so the cover will not be damaged or shipped. Cover must be designed so the cover will not be damaged or shipped. Cover must be designed so the cover will not be damaged or shipped.

INSTALLATION

Pipe of the same diameter as the tank shall be installed.

BACKFILLING

Tanks shall be backfilled according to the manufacturer's instructions.

WARRANTY

The septic tank manufacturer shall be responsible for installing the tank cover and covers for all maintenance openings after the complete installation of the septic tank. The tank installer shall be solely liable and responsible for the proper installation of the septic tank. The manufacturer's warranty is void after the completed delivery of the septic tank or tanks to the customer.

Tank Model# 1500 combo  
Gallon Capacity 1015-518  
Tank Type Septic Dump  
Date of Manufacture 5-27-21

Max Depth 5  
8-30-21  
Westerlund Const





2021/08/31



2021/08/31



2021/08/31



2021/08/31





2021/08/31

**IMPORTANT**

3/16" DIAMETER HOLE REQUIRED  
DISCHARGE PIPE TO HELP PUMP  
SEE DIAGRAM IN ENCLOSED  
INSTRUCTIONS.

**BN152 - D**  
**115V/1PH/.4HP**  
**W - 20' MECH SW**  
**3 YR WARRANTY**  
**152 - 0005**

**ZK21G08X**



524 M

08:37:18 PM K-15

**ZOELLER**   
PUMP COMPANY

LOUISVILLE, KY

Trusted. Tested. Tough.®



2021/08/31



2021/08/31



2021/08/31



2021/08/31