

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**

2023-000726

Township wealthwood Date of Inspection 8/3/2023 App. Number 48006
 Owner Jeffrey + John Ward Parcel Number 36-0-031002
 Project Address 24608 385th Ave. Installer Greg Westerlund
 City Aitkin Zip Code 56431 TI 02BR PB

New Repair

SETBACKS:

Buildings to tank(s) 36'
 Buildings to drainfield 60'
 Well(s) 50' or 100' DW: 78'
 Lake/Creek/Wetland —

SEPTIC TANKS: New Existing

Number of tanks installed 1
 Liquid capacity and type 1500 Ex.
 Type of baffle Plastic
 Inspection pipes —
 Manholes size 24"
 Manhole to grade Yes No

PUMPS: New Existing

Tank capacity and type 500 Cementone
 Pump manufacturer & model # Zoeller BN 98
 Horsepower & GPM 0.4HP 37GPM
 Feet of head 10.4'
 Gallons per cycle 77 GPC
 Size of discharge line 2"
 Type & location of alarm Elec. on tank
 Water meter —

DRAWING OF SYSTEM: (include soils)

DIST. or DROP BOX & TYPE Pressure Bed

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

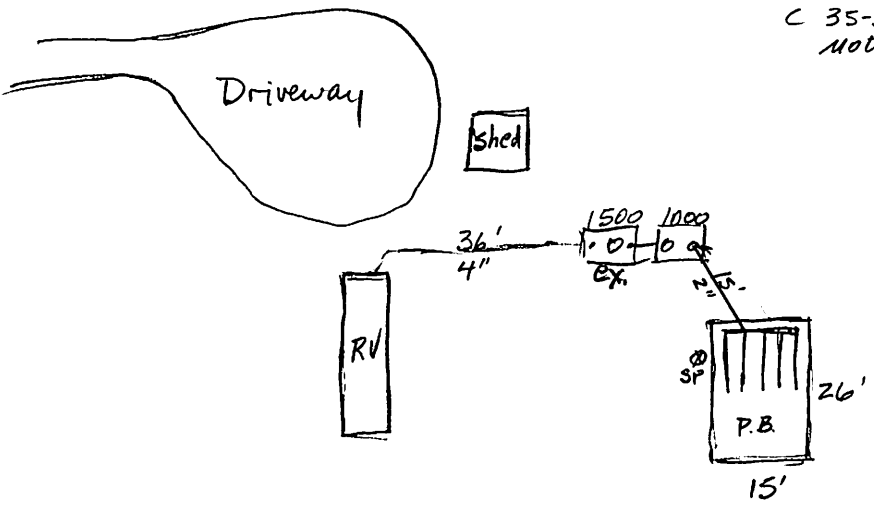
Trench/Bed depth 12"
 Trench/Bed length 26'
 Trench/Bed bottom width 15'
 Trench spacing (5) Laterals; 1.5" pipe; 0.25"/30" sp.
 Drainfield rock below pipe 6"
 Size of gravelless pipe —
 Depth of backfill 12"
 Absorption area: square feet 390 ft²
 lineal feet —

MOUNDS:

Percent slope 1%
 Upslope sand width —
 Downslope sand width —
 Sideslope sand width —
 Drainfield rock below pipe —
 Depth of sand below rock —
 Perforation size & spacing —
 Pipe size & spacing —
 Dimensions of rock bed —
 Dimensions of sand base —
 Final cover —

soil pit

A 0-8" 10YR 3/2 SL <10% cf
 E 8-17" 10YR 5/3 SL <10% cf
 B 17-35" 10YR 4/4 SL <10% cf
 C 35-52" 10YR 5/4 MS <10% cf
 mottles at 52" 7.5YR 5/6



Inspector's Comments: Examined a soil pit before installation

Inspector's Signature Bryan Hargrave Installer's Signature Greg Westerlund

CEMSTONE

TANK INSTALLATION INSTRUCTIONS

SITE CONDITION

The site must be accessible to large, heavy trucks. The site shall be free of items like trees, stumps, overhead wires, etc. that could interfere with delivery, and installation of the tank. The site conditions must allow trucks to within 3 to 6 feet of placement while ensuring 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 to 6 feet for placement of tank. Excavation shall have a level bottom so the weight bears on the outside walls of the tank.

BEDDING

Proper use of the bedding materials is important to ensure service life of tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to pass thru a 3/4" screen. Bedding thickness shall be 4" minimum compacted (thickness may vary with existing soil conditions).

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.

BACKFILL MATERIAL

Sidewalls of tanks require clean 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 in a manner that avoids impact loads on sidewalls of the tank. No compaction shall be permitted on the sidewalls of the tank.

COVER MATERIAL

Cover material shall be clean and dry soil that has the ability of 100% to be able to pass through a 4" screen. Cover material shall be mounded over tank and around risers in a manner that promotes runoff away from the center of the tank and riser rings.

MAINTENANCE HOLE COVER

Cover for maintenance holes must:

- (1) be secured by being locked, being bolted or screwed having a weight of at least 95 pounds, or other methods approved by the local unit of government. Covers shall also be leak resistant; and be designed so the cover cannot be slid or flipped, which could allow unauthorized access to the tank;
- (2) have a written and graphic label warning of the hazardous conditions inside the tank;
- (3) be capable of withstanding a load that the cover is anticipated to receive; and
- (4) be made of a material suitable for outdoor use and resistant to ultraviolet degradation.

INLET & OUTLET

Pipe not to exceed 1" past interior wall of tank where a baffle is used.

BURIAL DEPTH

Tanks to be installed to depths according to each model's maximum bury recommendations.

LIABILITY

The septic tank installer shall be responsible for installing and securing risers and covers for all maintenance openings after the completed delivery of the septic tank or tanks to the jobsite. The tank installer shall be solely liable and responsible for the proper installation and securement of the maintenance hole covers after the completed delivery of the septic tank or tanks to the job site.

Tank Model # 1000 P
Gallon Capacity 1030
Tank Type Pump
Date of Manufacturing 3-1-23

Maximum Burial Depth 5'
Date of Delivery 8-3-23
Customer Name Westerlund Const.
Customer Signature Westerlund









CEMSTONE
MAX BELOW
GRADE 5 FT