AITKIN COUNTY

CERTIFICATE OF INSTALLATION/~~NOTICE OF NONCOMPLIANCE~~

This certificate of installation/~~notice of noncompliance~~ has been issued this 25th day of June, 20 23 to certify compliance\~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.
The premises covered by this certificate are legally described as:
W 530 FT OF N 825 FT OF NW NW

Section 27 Township 44 Range 25 Lake ---
PERMIT NO. 47451 Owner Name Gayle Voss
Address 17852 310th Ave, Isle, MN 56342
Installer Name Westerlund Construction LLC
Type of System Inspected Type 1 3BR Mound
Parcel Number 16-0-038701

The certificate of installation/~~notice of noncompliance~~ was based on No 1 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 Bryan Hargrave

SUBSURFACE SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA

6/9/2023 F 2022-9748

Township Lakeside Date of Inspection 6/2/2023 I App. Number 47451

Owner Gayle Voss Parcel Number 16-0-038701

Project Address 17852 310th Ave. Installer Westerlund Const.

City Isle Zip Code 56342 T1 3BR Mound

New [✓] Repair [ ]

DIST. or DROP BOX & TYPE —

SETBACKS:

Buildings to tank(s) 13'

Buildings to drainfield 45'

Well(s) 50' or 100' DW: 100'+

Lake/Creek/Wetland —

SEPTIC TANKS: New ✓ Existing ____

Number of tanks installed 2

Liquid capacity and type 1500 Cemstone combo

Type of baffle Plastic

Inspection pipes —

Manholes size 24"

Manhole to grade Yes ✓ No ____

PUMPS: New ✓ Existing ____

Tank capacity and type 1080 G Cemstone

Pump manufacturer & model # Zoeller BN152

Horsepower & GPM 0.4 HP 28 GPM

Feet of head 12'

Gallons per cycle 61 GPC

Size of discharge line 1"

Type & location of alarm Elec. alarm.

Water meter —

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 ____

MOUNDS:

Percent slope 2%

Upslope sand width 15'

Downslope sand width 17'

Sideslope sand width 16'

Drainfield rock below pipe 9"

Depth of sand below rock 24"

Perforation size & spacing 0.25"/30" sp. 2 laterals

Pipe size & spacing 2"/36" sp.

Dimensions of rock bed 8' x 47' Center manifold

Dimensions of sand base 40' x 69'

Final cover 12" cover over rock, 4" TS

DRAWING OF SYSTEM: (include soils)

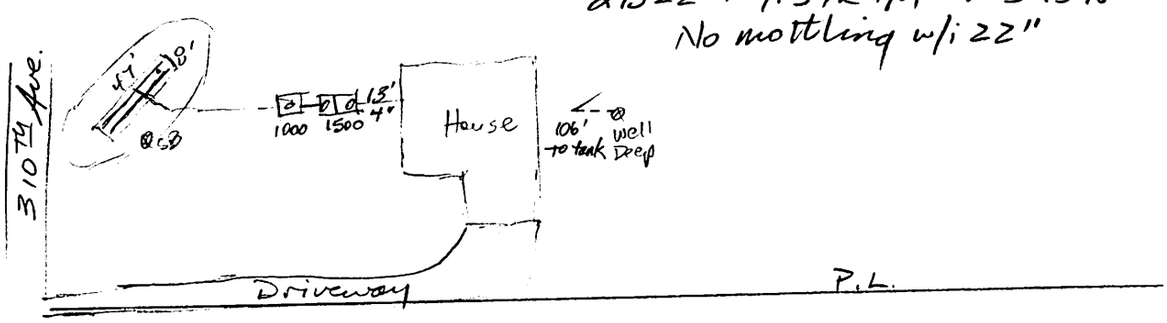
soil description - soil pit

A 0-5" 10YR 3/2 L 5-10%

E 5-22" 10YR 5/3 SiL 5-10%

2B 22"+ 7.5YR 4/4 CL 5-15%

No mottling w/i 22"



Inspector's Comments: 8' wide 2 lateral rocked w/ center manifold.

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

Rev:1/13 White – County Yellow – Applicant Pink - Installer

Greg W.

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 ¾" 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 # 1500 C
Gallon Capacity 1015 · 518
Tank Type SEPTIC. PUMP
Date of Manufacturing 3-1 23

Maximum Burial Depth 5'
Date of Delivery 5-10-23
Customer Name Westerlund Const.
Customer Signature _____

Greg W.

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 ¼" 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 3-22-23

Maximum Burial Depth 5'
Date of Delivery 5.10.23
Customer Name Westerlund Const.
Customer Signature _____


SIE RHOMBUS