

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions:

Instructions for filling out this form are located on the Minnesota Pollution

Control Agency (MPCA) website at

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 2202820130025 Reason for Inspection Transfer of deed

Local regulatory authority info: Washington County

Property address: 15581 AFTON BLVD S, CITY OF AFTON

Owner/representative: ARCO SEAN LINCOLN & LAURA ANN Owner's phone: 612-741-5651

Brief system description: Two 1000 gallon septic tanks gravity fed to drain field

System status

System status on date (mm/dd/yyyy): 11/29/2024

Compliant – Certificate of compliance*

Noncompliant – Notice of noncompliance

(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)

Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.

***Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.

Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: SS Septic Solutions, LLC.

Certification number: 9917

Inspector signature: Shelley Schlomka

License number: 4137

(This document has been electronically signed)

Phone: 651-343-9117

Necessary or locally required supporting documentation

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list):

Property Address: 15581 AFTON BLVD S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 11/29/2024

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attached supporting documentation:

- Other: _____
- Not applicable

Describe verification methods and results:

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Attached supporting documentation:

- Empty tank(s) viewed by inspector
 - Name of maintenance business: Meyers
 - License number of maintenance business: _____
 - Date of maintenance: 11/29/2024
- Existing tank integrity assessment (Attach)
 - Date of maintenance (mm/dd/yyyy): _____ (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))*
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: _____

Describe verification methods and results:

Tanks water tight at time of inspection

Property Address: 15581 AFTON BLVD S, CITY OF AFTON

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Date: 11/29/2024

3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes No Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety? Yes No Unknown

3c. System is non-protective of ground water for other conditions as determined by inspector? Yes No

3d. System not abandoned in accordance with Minn. R. 7080.2500? Yes No

Describe verification methods and results:

Attached supporting documentation: Not applicable

4. Operating permit and nitrogen BMP* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit? Yes No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design? Yes No If "yes", B below is required

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria:

a. Have the operating permit requirements been met? Yes No

b. Is the required nitrogen BMP in place and properly functioning? Yes No

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

Property Address: 15581 AFTON BLVD S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 11/29/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 6/1/1999 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria (select one):

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Yes No
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Yes No
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) Yes No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Indicate depths or elevations

A. Bottom of distribution media	12" - 42"
B. Periodically saturated soil/bedrock	84"
C. System separation	42"
D. Required compliance separation*	36"

*May be reduced up to 15 percent if allowed by Local Ordinance.

Describe verification methods and results:

Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

STANDARD SYSTEM DESIGN INDIVIDUAL SEWAGE TREATMENT SYSTEM

WASHINGTON COUNTY HEALTH, ENVIRONMENT & LAND MANAGEMENT
14900 N. 61ST STREET, P.O. BOX 3803, STILLWATER, MN 55082-3803
612/430-6708 OR 612/430-6656 FAX 612/430-6730

Owner's Name	Sean Arco
Job Site Address	15581 Afton Blvd
City or Township	Afton
Use of Building	Single family home

Design Flow Rate	600	Perc Rate	8 mpi	Land Slope	8	Percent
Two Required Tank Sizes	1000 Gallons	1000 Gallons		Lift Station Tank Size	—	Gallons
Type of System (standard, at grade or bed)	Standard					
System Size:	760	-Square Feet	254	-Lineal Feet	36"	-Trench Width
Depth of rock below pipe	12"			Depth of Rock Above Pipe	2"	
MINimum Depth of Trench From Existing Grade	30 Inches			MAXimum Depth of Trench From Existing Grade	36 Inches	
Recommended Number of Trenches	4			Recommended Length of Trenches	65'-1"	
Trench Spacing Measured Center to Center	7 Feet					
Any Other Special Conditions: Gravel less drainfield requires 304 lineal feet of 10" pipe in trenches 65, 75, 82 & 82'. Trenches may extend slightly past the east borings if necessary.						

IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION WORK SHEET ATTACHED.

This design must be accompanied by a site plan that clearly shows the location of the area tested and approved by the following:

1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply (well and/or community supply line).
6. Dimension all setbacks and separation distances.

This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

Designer Name	Barry Brown	PCA Certification #	1772
Address	3041 Woodlane Dr. Woodbury 55125	Phone #	651-735-7361
Signature	<i>Barry J. Brown</i>	Date	4-10-99

An Equal Employment Opportunity/Affirmative Action Employer
If You Need Assistance Due to Disability or Language Barrier, Please Call 430-6708 OR 430-6656 (TDD 439-3320)

SOILS # 2 DESIGNER

LOG OF SOIL BORINGS

Job: 15581 Afton Blvd. Afton, Wash. Co.

date: April 5, 1999

Depth Feet	B1	B2	B3	B4
1	Dark Brown Sandy loam 10yr 3/3	Dark brown sandy loam 10yr 3/3	Dark brown sandy loam 10yr 3/3	Dark brown sandy loam 10yr 3/3
2	med to red brown loamy sand 10yr 5/3	Red brown loamy sand 5yr 4/3	Red brown loamy sand 5yr 4/3	med brown sandy loam 10yr 4/3
3		Red brown med sand 5yr 4/3	Red brown med sand 5yr 4/3	Red brown med sand 5yr 4/3
4		Red brown med. sand 5yr 4/3	Red brown med sand 5yr 4/3	
5				
6		Red brown loamy sand 5yr 4/3		Red brown loamy sand 5yr 4/3
7				
8				

SEPTIC SYSTEM PERMIT APPLICATION FOR CITY OF AFTON

City of Afton
 P.O. Box 219
 3033 St. Croix Trail
 Afton, MN 55001

Main Office: 436-5090
 Building Official/Inspections: 436-6469

No. SS-9-99

Project Address (if known)	Street	City	State	Zip	
<u>15581 Afton Blvd S</u>	<u>Afton</u>	<u>Mn</u>	<u>55001</u>		
Legal Description and Parcel Identification Number - include proof of ownership					
Owner Name	Street	City	State	Zip	
<u>SEAN ARCO</u>	<u>(Above)</u>				
Contractor Name	Street	City	State	Zip	
<u>Featherston Exc Inc</u>	<u>368 Tower Rd</u>	<u>Hudson WI</u>	<u>54016</u>		
Contractor's MPCA License Number (required)	Expiration Date		Phone		
<u>1362</u>	<u>7-31-99</u>		<u>715-381-1704</u>		
New Home <input type="checkbox"/>	Existing Home <input checked="" type="checkbox"/>	New Business <input type="checkbox"/>	Existing Business <input type="checkbox"/>	No. of Bedrooms <u>4</u>	Gallons Per Day <u>600</u>
Check the following fixture(s) which are or will be installed: Garbage Disposal <input type="checkbox"/> Recreational Bathing Facility: (jacuzzi, hot tub, etc.) <input type="checkbox"/>					
New Drainfield System <input type="checkbox"/> New Mound System <input type="checkbox"/> Replacement Drainfield System <input checked="" type="checkbox"/> Replacement Mound System <input type="checkbox"/> Permit Renewal <input type="checkbox"/>					
Approval Only <input type="checkbox"/> If this site has been approved, attach copy of approval letter Additional Soil Test Data for Previously Approved Site <input type="checkbox"/>					

SEPTIC SYSTEM DATA

Work category:

New System

Repair

Replacement

Anticipated use:

Single Family

Multiple Family

Commercial

Agricultural

Other (specify)

Type of system:

Septic Tank Only

Drainfield Only

Septic Tank and Drainfield

Holding Tank

Other (specify)

Type of drainfield:

Standard Trench

Standard Bed

Mound

Alternative (specify)

A Groundless Syst

SITE DATA

Soil data:

Soil Texture (at proposed depth): med sand

Percolation Rate (minutes per inch): = 8

Soil Sizing Factor: =

Depth to Bedrock: =

Depth to Mottled Soil: =

Drainfield Depth: =

Supporting data/attachments:

Site Plan

Percolation Data Sheets

Soil Borings

Tank(s) Sizing

Drainfield Design

Mound Worksheets

Pump Size Calculations

SYSTEM DESIGN DATA

(Minimum requirements shown)
 See "Variance Required/Approved" if minimum requirement is not met

	Tank	Drainfield
Distance to Cased Well (50 ft.) (Sandpoint to tank 50 ft, drainfield 100 ft.)	Yes / No	Yes / No
Distance to Building (10 ft./20 ft.)	Yes / No	Yes / No
Distance to Property Line (10 ft.)	Yes / No	Yes / No
Distance to Road right-of-ways (10 ft.)	Yes / No	Yes / No
Distance to Water Line (10 ft.)	Yes / No	Yes / No
Septic Tank Capacity & Drainfield Area: <u>1000</u> gal. <u>760</u> sq. ft.		
Pumping Tank (gal.):		NA

	Tank	Drainfield
Distance to Lake, River, or Wetland from ordinary high water mark (200 ft.)	<u>-</u>	<u>-</u>
Drainfield Separation from Highest Known Ground Water Level, Impervious Lens, Soil Mottling or Bedrock (3 feet):	NA	Yes / No
Distance from Well to Buried Sewer Line (50 ft./20-50 ft. air tested):	<u>+ 50</u>	<u>+ 50</u>
Distance from Well to Sewage Pump Basket (50 ft./20-50 ft. air-tested):	<u>-</u>	<u>-</u>
Variations Required / Approved:	<u>-</u>	<u>-</u>

I hereby certify with my signature that all data on my application forms, plans and specifications are true and correct to the best of my knowledge.

[Signature]
 Signature of applicant

715-381-1704

5-4-99
 Date

Fees due and payable to: City of Afton

Date paid 5-5-99

Amount 75.00

Check # 5484

Recvd. by TT

Septic System Permit Approval

by Tom Moe Date: 5-12-99
 Building Official

SIGNATURE #2

Owner's Name SEAN ARCO
 Project Address 15581 AFTON BLVD. S.
 City AFTON Zip 55001

New Replacement Repair

Setbacks:

Buildings to tank(s) 10'+
 Buildings to soil treatment system 20'+
 Well(s) 50'+
 Lake/River/Stream N/A
 Property boundaries 10'+
 Road right-of-way 10'+

Septic/Holding Tanks:

New Existing Size 1000 +
 Tank pumped N/A YES NO
 Type of baffle POLY Checked YES NO
 Inspection pipes YES
 Maintenance Access YES NO Ft. of rings 0-
LESS THAN
12" COVER

SOIL TREATMENT SYSTEM:

Trench depth 12" 42" MAX
 Trench length 5 @ 60'
 Trench bottom width 24"
 Trench bottom level YES
 Trench spacing 3-6
 Distribution medium GRAVELLESS
 Rock below pipe N/A
 Depth of backfill 12-30"
 Soil treatment system size 900
 Existing system abandoned YES NO

Mound:

Percent slope
 Upslope dike width
 Downslope dike width
 Sideslope dike width
 Drainfield rock below pipe
 Depth of sand below rock
 Perforation size and spacing
 Dimensions of rock bed
 Dimensions of sand base
 Final cover

Alternative / Experimental System:

Type
 Artificial Drainage Upside Tile Depth

Pump:

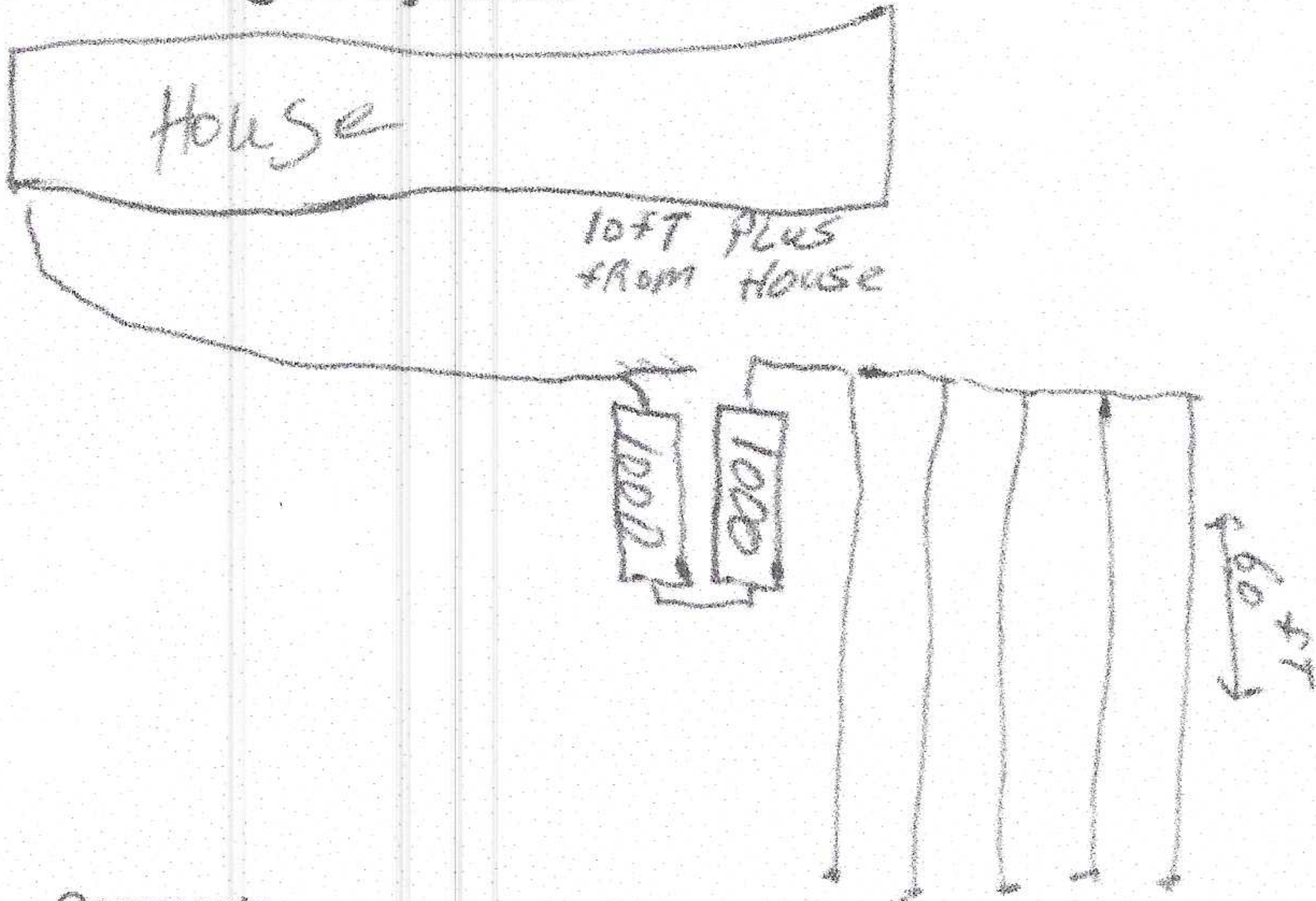
Tank capacity
 Pump size
 Size of discharge line
 Type of alarm Audio Visual Manual
 Location of alarm
 Manhole access YES NO Ft. of rings

Plan Revisions

Revisions to certified design YES NO

List GRAVELLESS PIPE USED IN LUEI
OF ROCK TRENCH - 20% ADDITIONAL
-300 LINEAL FEET

Drawing of System:



Comments

I HEREBY CERTIFY WITH MY SIGNATURE THAT BASED ON THE CERTIFICATIONS OF THE DESIGNER AND INSTALLER AND THE LIMITED COUNTY INSPECTION, THAT THE SEPTIC SYSTEM APPEARS TO BE IN COMPLIANCE WITH THE CITY OF AFTON SEWAGE AND WASTEWATER TREATMENT ORDINANCE.

I HEREBY CERTIFY WITH MY SIGNATURE AS THE INSTALLER, THAT THE SEPTIC SYSTEM WAS INSTALLED IN ACCORDANCE WITH THE CITY OF AFTON SEWAGE AND WASTEWATER TREATMENT ORDINANCE. I AGREE TO INDEMNIFY AND SAVE CITY OF AFTON HARMLESS FROM ALL LOSS, DAMAGES, COSTS AND CHARGES THAT MAY BE INCURRED BY THE CITY BECAUSE OF MY FAILURE TO CONFORM TO AND COMPLY WITH THE PROVISIONS OF THIS ORDINANCE.

John [Signature]
INSPECTOR'S SIGNATURE

5-28-99
DATE

[Signature]
INSTALLER'S SIGNATURE

DATE

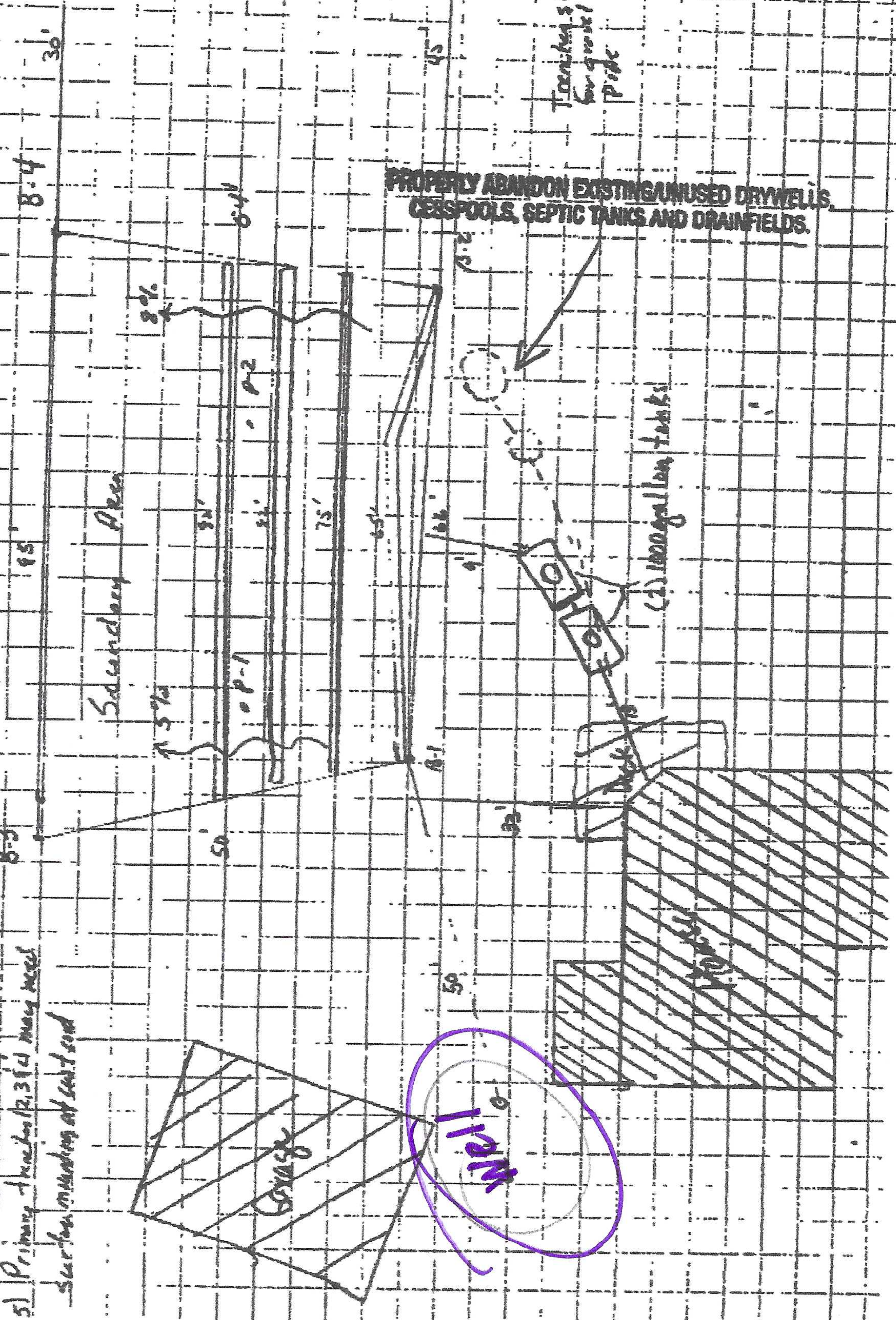
SOILS & FINAL INSPECTION

N ↑ 1" = 20'

Property line

15581 After Blvd. After 17th

- 1) Line from B1 to B-2 is 3' lower than grade level at the house
- 2) Plumbing stub is < 2' below grade level at house
- 3) Trenched should be 30-36" deep
- 4) B-4 is 11" lower than B-3, I.e. the secondary area, trench in the east end will be 18" deep with surface mandreling
- 5) Primary trench (B-3) may need surface mandreling at east end



PROPERLY ABANDON EXISTING UNUSED DRYWELLS, CESSPOOLS, SEPTIC TANKS AND DRAINFIELDS.

Trenched 3 flows for gravel to pipe

2) 1000 gallon tanks

A-11

Garage

Work

Secondary Area

SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. This report shall not be construed as a warranty that the system will properly function for any period.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I cannot guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions, or surface drainage problems. The system could simply stop working due to age.
4. **A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed.** The inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or local unit of government code requirements.
5. **Winter Work** – Client understands that inspections conducted in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. **Garbage disposals are not recommended.** Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance. NEVER flush wipes (even if they state they are flushable) or any sanitary products. If they reach the drain field, they could cause it to fail.