MINNESOTA POLLUTION CONTROL AGENCY
520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 2602721230007 Reason for Inspection Property Transfer

Local regulatory authority info: Washington County

Property address: 10384 Kimberly Ct S Cottage Grove, Mn.

Owner/representative: Gregg Lowe Owner's phone: 612-868-3474

Brief system description: 2 Septic tanks to drainfield

System status

System status on date (mm/dd/yyyy): 4/27/2023

☒ **Compliant – Certificate of compliance***

*(**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.)*

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

☐ **Noncompliant – Notice of noncompliance**

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

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: David R Brown Certification number: 9370

Inspector signature: DRB License number: 3649

(This document has been electronically signed) Phone: 651-788-3296

Necessary or locally required supporting documentation (must be attached)

☒ Soil observation logs ☒ System/As-Built ☐ Locally required forms ☐ Tank Integrity Assessment ☐ Operating Permit

☐ Other information (list):

Property Address: 10384 Kimberly Ct S Cottage Grove, Mn.

Business Name: David R Brown Date: 4/27/2023

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

Compliance criteria:

System discharges sewage to the ground surface	☐ Yes* ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes* ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes* ☒ No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Describe verification methods and results:

Attached supporting documentation:

☐ Other:

☐ Not applicable

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	☐ Yes* ☒ No
Sewage tank(s) leak below their designed operating depth?	☐ Yes* ☒ No
If yes, which sewage tank(s) leaks:	

Any "yes" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation:

☒ Empty tank(s) viewed by inspector

Name of maintenance business: Meyers

License number of maintenance business: 915

Date of maintenance: 4/7/2023

☐ 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:

Property Address: 10384 Kimberly Ct S Cottage Grove, Mn.
Business Name: David R Brown Date: 4/27/2023

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

Yes to 3a or 3b - System is an imminent threat to public health and safety.

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

Yes to 3c or 3d - System is failing to protect groundwater.

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

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation: ☐ Operating permit (Attach) ☐

Property Address: 10384 Kimberly Ct S Cottage Grove, Mn.

Business Name: David R Brown Date: 4/27/2023

5. Soil separation – Compliance component #5 of 5

Date of installation 1999 ☐ Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? ☐ Yes ☒ No

Attached supporting documentation:

☒ Soil observation logs completed for the report

☐ Two previous verifications of required vertical separation

☐ Not applicable (No soil treatment area)

☐ _____

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:* Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No*
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:* Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No*
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)* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No*

Indicate depths or elevations

A. Bottom of distribution media	26"
B. Periodically saturated soil/bedrock	72"
C. System separation	46"
D. Required compliance separation*	36"

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

Any "no" answer above indicates the system is failing to protect groundwater.

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.*

Logs of Soil Borings

Location or Project LOT 3 BK 1 Eagle Ridge

Borings made by Dan Reed Date 11-2-98

Classification System: AASHO ____; USDA-SCS √; Unified ____; Other ____

Auger used (check two): Hand √, or Power ____; Flight ____, or Bucket √; other ____

Depth, in feet	Boring number B-1 Surface elevation House
0	
1	12" brown 10YR4/3
2	yellowish brown 10YR5/4
3	32" Sandy Loam
4	
5	brownish yellow 10YR6/6
6	
7	84" End
8	NO Mottled Soil

End of boring at 7 feet.

Standing water table:
Present at ____ feet of depth,
____ hours after boring.
Not present in boring hole √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

Depth, in feet	Boring Number B-2 Surface elevation House
0	
1	brown 10YR4/3
2	24" yellowish brown 10YR5/4
3	Sandy Loam
4	48"
5	brownish yellow 10YR6/6
6	
7	84" End
8	NO mottled Soil

End of boring at 7 feet.

Standing water table:
Present at ____ feet of depth;
____ hours after boring.
Not present in boring hold √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

Logs of Soil Borings

Location or Project LoT 3 BK 1 Eagle Ridge

Borings made by Don Reed Date 11-2-98

Classification System: AASHO ____; USDA-SCS √; Unified ____; Other ____

Auger used (check two): Hand √, or Power ____; Flight ____, or Bucket √; other ____

Depth, in feet	Boring number B3 Surface elevation dromfield	Depth, in feet	Boring Number B-4 Surface elevation dromfield
0		0	
1	3" brown 10YR4/3	1	brown 10YR4/3
2	Sandy loam yellowish brown 10YR5/4	2	18" Sandy loam yellowish brown 10YR5/4
3	42"	3	36"
4	brownish yellow 10YR6/6	4	brownish yellow 10YR6/6
5		5	
6	58" End	6	80" End
7		7	
8		8	
	NO Mottles		NO mottles

End of boring at 6½ feet.

Standing water table:
Present at ____ feet of depth,
____ hours after boring.
Not present in boring hole √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

End of boring at 6½ feet.

Standing water table:
Present at ____ feet of depth;
____ hours after boring.
Not present in boring hold √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

Logs of Soil Borings

Location or Project Lot 3 Bk 1 Eagle Ridge

Borings made by Dan Reed Date 11-3-98

Classification System: AASHO ____; USDA-SCS √; Unified ____; Other ____

Auger used (check two): Hand √, or Power ____; Flight ____, or Bucket √; other ____

Depth, in feet	Boring number B5 Surface elevation drainfield
0	
1	brown 10YR4/3
2	24" Sandy Loam yellowish brown 10YR5/4
3	
4	
5	brownish yellow 10YR6/6
6	
7	80" End
8	

NO Mottles

End of boring at 6½ feet.

Standing water table:
Present at ____ feet of depth,
____ hours after boring.
Not present in boring hole √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

Depth, in feet	Boring Number B6 Surface elevation drainfield
0	
1	brown 10YR4/3
2	Sandy Loam
3	
4	48" yellowish brown 10YR 5/4
5	
6	80" End
7	
8	

NO Mottles

End of boring at 6½ feet.

Standing water table:
Present at ____ feet of depth;
____ hours after boring.
Not present in boring hold √.

Mottled soil:
Observed at ____ feet of depth.
Not present in boring hole √.
Observations and comments:

PERCOLATION TEST DATA SHEET

Percolation test readings made by Dan Reed on 11-2-98 starting at 9 a.m. / p.m.

Test hole location Lot 3 DR1 Eagle Ridge Hole number P-1 Date hole was prepared 11-2-98

Depth of hole bottom 24" inches. Diameter of hole 6 inches

Soil data from test hole:

Depth, inches	Soil texture	
0-8	Sandy loam	brown 10YR4/3
8"-24"	Sandy loam	yellowish brown 10YR5/4

Method of scratching sidewall Knife

Depth of gravel in bottom of hole 2 inches

Date and hour of initial water filling 11-2-98 9am. Depth of initial water filling 12 inches above hole bottom

Method used to maintain at least 12 inches of water depth in hole for at least 4 hours refilling

Maximum water depth above hole bottom during test 12 inch

Time	Time interval, minutes	Measurement, inches	Drop in water level, inches	Percolation rate, minutes per 1 inch	Remarks
1100					
1110	10 min	12" 10 1/8	1 7/8	5.3	
1120	10 min	12" 10 1/8	1 7/8	5.3	
1130	10 min	12" 10 1/4	1 3/4	5.7	Avg.
1140	10 min	12" 10 1/4	1 3/4	5.7	
1150	10 min	12" 10 1/4	1 3/4	5.7	5.6 MPI
1200	10 min	12" 10 1/4	1 3/4	5.7	

Percolation rate = 5.6 minutes per inch.

PERCOLATION TEST DATA SHEET

Percolation test readings made by Dan Reed on 11-2-98 starting at 9 (a.m.) p.m.

Test hole location Lot 3 BK1 Eagle Ridge. Hole number P-2. Date hole was prepared 11-2-98

Depth of hole bottom 24 inches. Diameter of hole 6 inches

Soil data from test hole:

Depth, inches	Soil texture
0-18"	Sandy loam brown 10yR 4/3
18"-24"	Sandy loam yellowish brown 10yR 5/4

Method of scratching sidewall Knife

Depth of gravel in bottom of hole 2 inches

Date and hour of initial water filling 11-2-98 9 am. Depth of initial water filling 12 inches above hole bottom

Method used to maintain at least 12 inches of water depth in hole for at least 4 hours refilling

Maximum water depth above hole bottom during test 12 inch

Time	Time interval, minutes	Measurement, inches	Drop in water level, inches	Percolation rate, minutes per inch	Remarks
1:05					
1:15	10 min	10 1/8	1 7/8	5.3	
1:25	10 min	10 1/4	1 3/4	5.7	
1:35	10 min	10 1/4	1 3/4	5.7	Avg.
1:45	10 min	10 3/8	1 5/8	6.2	
1:55	10 min	10 3/8	1 5/8	6.2	5.9 MPI
2:05	10 min	10 3/8	1 5/8	6.2	

Percolation rate = 5.9 minutes per inch.

PERCOLATION TEST DATA SHEET

Percolation test readings made by Don Reed on 11-2-98 starting at 9 a.m. p.m.

Test hole location Lot 3 Bk 1 Eagle Ridge Hole number P-3 (new) Date hole was prepared 11-2-98

Depth of hole bottom 24 inches. Diameter of hole 6 inches

Soil data from test hole:

Depth, inches	Soil texture	
0-24"	Sandy Loam	Brown 10YR 4/3

Method of scratching sidewall Knife

Depth of gravel in bottom of hole 2 inches

Date and hour of initial water filling 11-2-98 9 a.m. Depth of initial water filling 12 inches above hole bottom

Method used to maintain at least 12 inches of water depth in hole for at least 4 hours refilling

Maximum water depth above hole bottom during test 12 inch

Time	Time interval, minutes	Measurement, inches	Drop in water level, inches	Percolation rate, minutes per inch	Remarks
2:10					
2:20	10 min	12" 10 1/4	1 3/4	5.7	
2:30	10 min	12" 10 1/4	1 3/4	5.7	
2:40	10 min	12" 10 3/8	1 5/8	6.2	Avg
2:50	10 min	12" 10 3/8	1 5/8	6.2	
3:00	10 min	12" 10 3/8	1 5/8	6.2	6.0 MPI
3:10	10 min	12" 10 3/8	1 5/8	6.2	

Percolation rate = 6.0 minutes per inch.

PERCOLATION TEST DATA SHEET

Percolation test readings made by Dan Reed on 11-2-98 starting at 9 a.m. / p.m.

Test hole location Lot 3 BK 1 Eagle Ridge Hole number P-4 Date hole was prepared 11-2-98

Depth of hole bottom 24" inches. Diameter of hole 6 inches

Soil data from test hole:

Depth, inches	Soil texture	
0-24"	Sandy loam	Brown 10YR4/3

Method of scratching sidewall Knife

Depth of gravel in bottom of hole 2 inches

Date and hour of initial water filling 11-2-98 9a.m. Depth of initial water filling 12 inches above hole bottom

Method used to maintain at least 12 inches of water depth in hole for at least 4 hours refilling

Maximum water depth above hole bottom during test 12 inch

Time	Time interval, minutes	Measurement, inches	Drop in water level, inches	Percolation rate, minutes per inch	Remarks
2:15					
2:25	10 min	12" 10 3/8	1 5/8	6.2	
2:35	10 min	12" 10 3/8	1 5/8	6.2	
2:45	10 min	12" 10 3/8	1 5/8	6.2	Avg.
2:55	10 min	12" 10 3/8	1 5/8	6.2	6.2 MPI
3:05	10 min	12" 10 3/8	1 5/8	6.2	
3:15	10 min	12" 10 3/8	1 5/8		

Percolation rate = 6.2 minutes per inch.

Established in 1962

LOT SURVEYS COMPANY, INC.

LAND SURVEYORS

REGISTERED UNDER THE LAWS OF STATE OF MINNESOTA

7601 73rd Avenue North
Minneapolis, Minnesota 55428
612-560-3093
Fax No. 560-3522

INVOICE NO. 51339
F.B.NO. 806-58
SCALE: 1" = 50'

TRILOGY HOMES

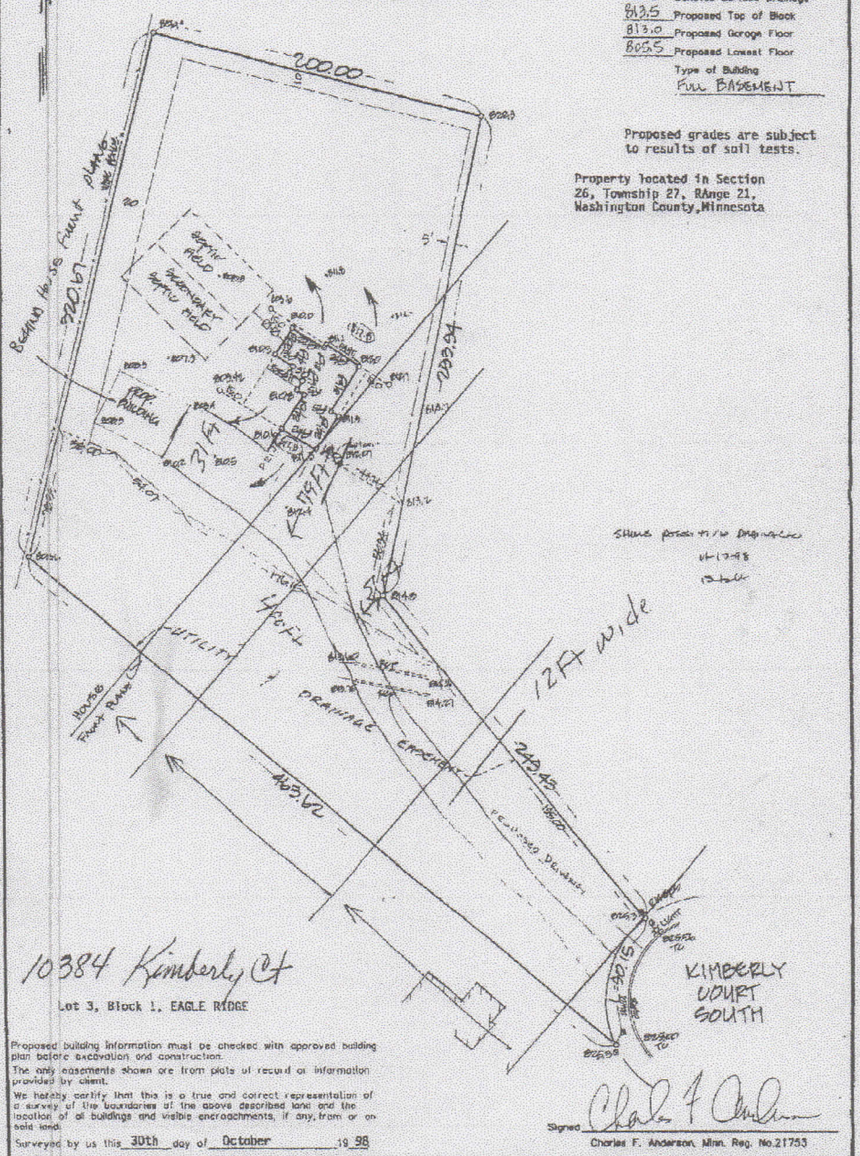
Surveyors Certificate

- O Denotes Iron Monument
- □ Denotes Wood Hub Set for excavation only
- x000.0 Denotes Existing Elevation
- (000.0) Denotes Proposed Elevation
- Denotes Surface Drainage
- 813.5 Proposed Top of Block
- 813.0 Proposed Garage Floor
- 805.5 Proposed Lowest Floor

Type of Building
FULL BASEMENT

Proposed grades are subject to results of soil tests.

Property located in Section 26, Township 27, RAnge 21, Washington County, Minnesota



10384 Kimberly Ct

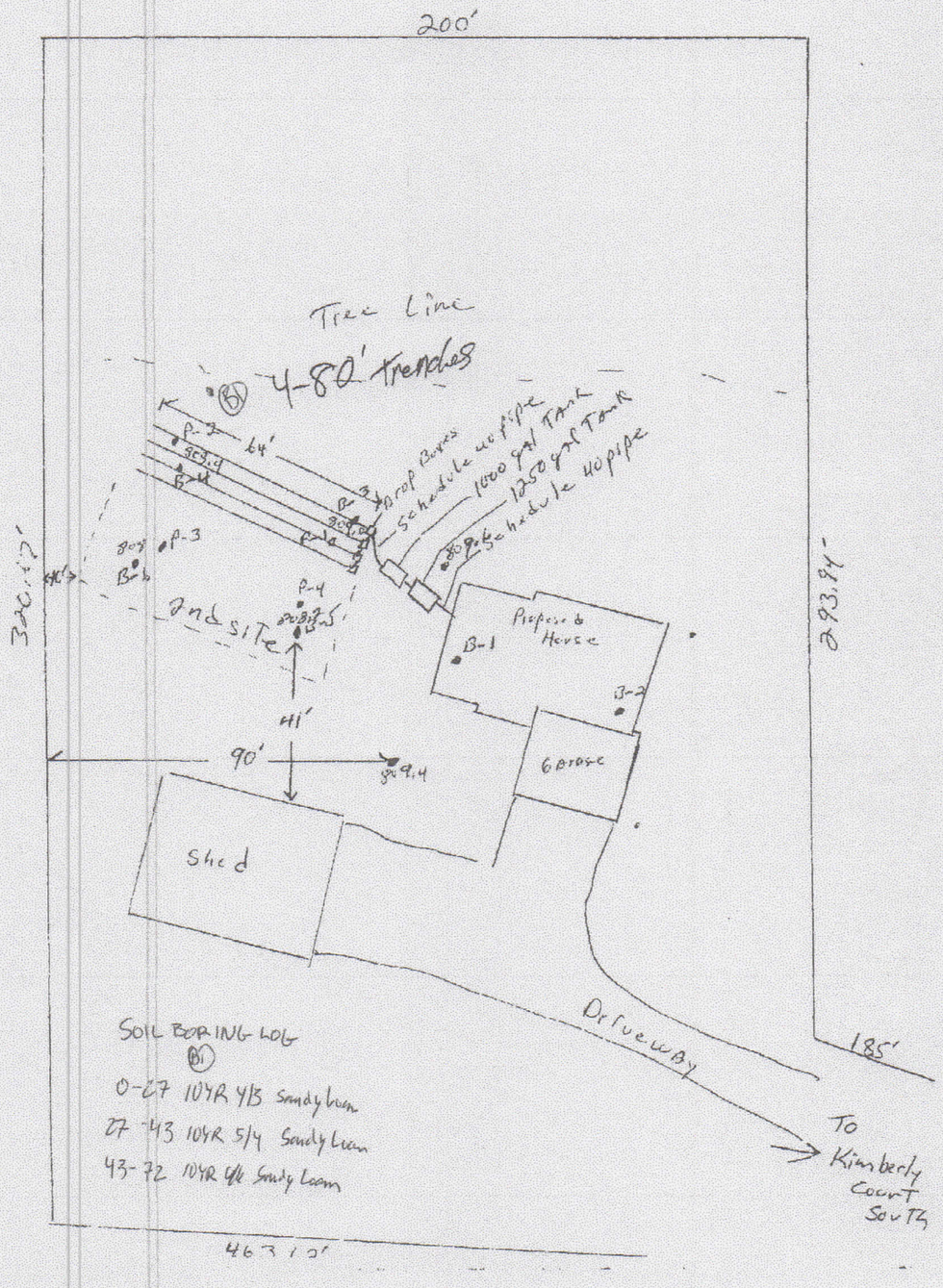
Lot 3, Block 1, EAGLE RIDGE

Proposed building information must be checked with approved building plan before excavation and construction.

The only easements shown are from plats of record or information provided by client.

We hereby certify that this is a true and correct representation of a survey of the boundaries of the above described land and the location of all buildings and visible encroachments, if any, from or on said land.

Surveyed by us this 30th day of October 19 98


200'
Tree Line
(B) 4-80' Trenches
4'
Drop Boxes
Schedule 40 pipe
1000 gal Tank
1250 gal Tank
Schedule 40 pipe
P-1
P-2
P-3
P-4
B-1
B-2
2nd site
Proposed House
Garage
Shed
41'
90'
393.84'
380.12'
185'
Driveway
To Kimberly Court South
463.10'
SOIL BORING LOG
(B1)
0-27 10YR 4/3 Sandy Loam
27-43 10YR 5/4 Sandy Loam
43-72 10YR 6/6 Sandy Loam