



# Soil Observation Log

Project ID:

v 04.02.2024

Client: Peter Rose Location / Address: 12190 Panama Av. N. Stillwater

Soil parent material(s): (Check all that apply)  Outwash  Lacustrine  Loess  Till  Alluvium  Bedrock  Organic Matter  Disturbed/Fill

Landscape Position: Shoulder Slope %: 4.0 Slope shape: Linear, Linear Flooding/Run-On potential:

Vegetation: Lawn Soil survey map units: 155C Surface Elevation-Relative to benchmark:

Date/Time of Day/Weather Conditions: 5 3 2024 PM. clear Limiting Layer Elevation:

Observation #/Location: # 3 & 4 near south end of drainfield Observation Type: Auger

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		Consistence
							Shape	Grade	
0-10	Medium Sandy Loam	5	10YR 3/2				Granular	Moderate	Friable
10-18	Medium Sandy Loam	10	10YR 4/4				Single grain	Weak	Loose
18-69	Medium Sand	15	10YR 5/4				Single grain	Weak	Loose
no redox.									

Comments: additional soil borings for compliance inspection near south end of drainfield trench depth probed @ south end to 35" bottom

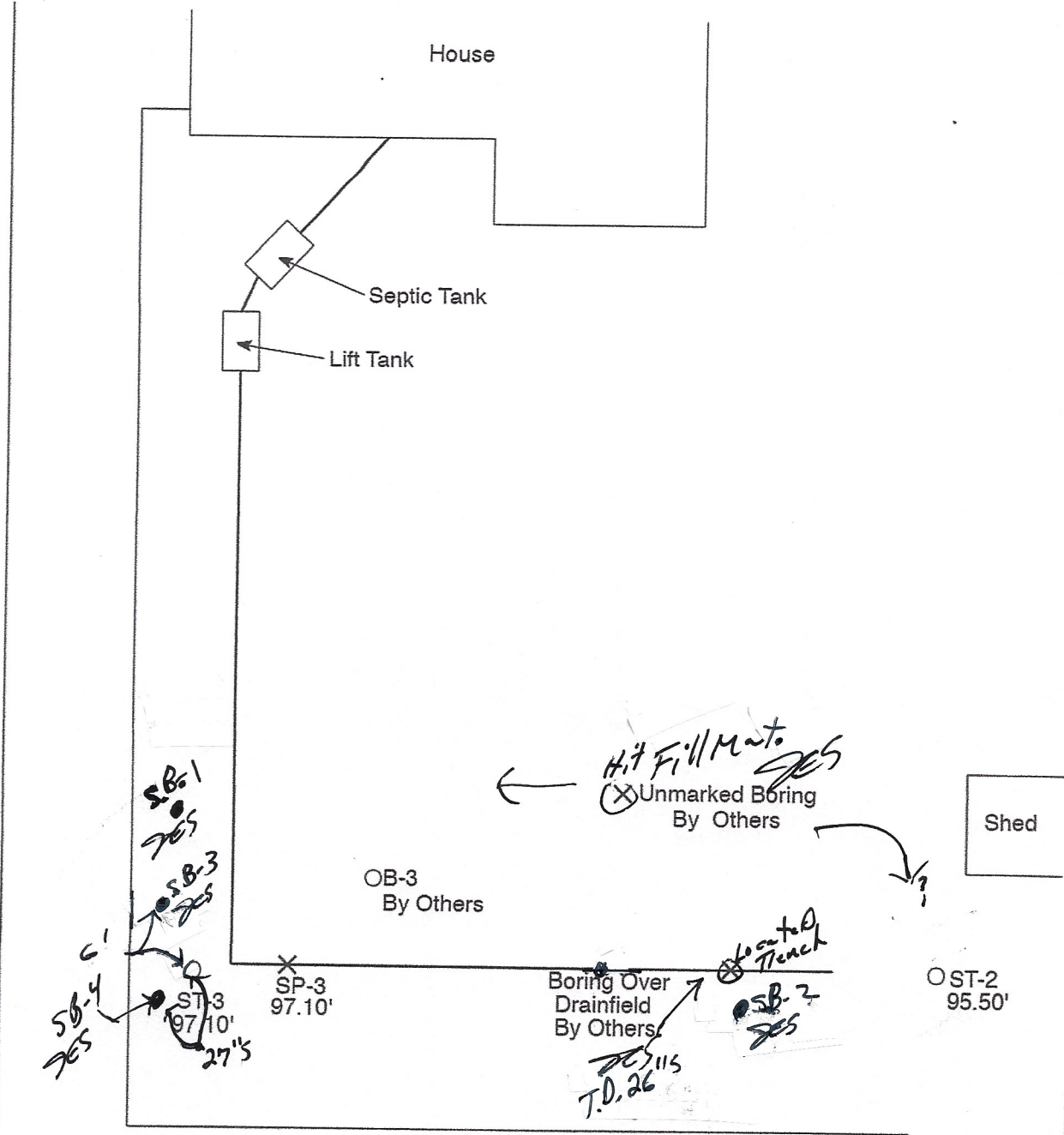
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Jerry Sauber 925 5 3 2024

(Designer/Inspector) (Signature) (License #) (Date)

Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.

(LGU/Designer/Inspector) (Signature) (Cert #) (Date)



**NO SCALE**

**12190 Panama Ave N, May Twp, MN 55082**

OFFICE OF THE ZONING ADMINISTRATOR  
WASHINGTON COUNTY, MINNESOTA  
Tel. 439-3220

Permit Fee \$ 25

PERMIT TO INSTALL SEWAGE DISPOSAL SYSTEM

Owner KARL C COX Permit No. 1994  
NAME  
12190 PANAMA AVE NO. ADDRESS MAY TWP.  
MINIMUM SYSTEM REQUIRED: 3 Bedrooms, Percolation Rate 5 M in/Inch PUMP CYCLE SHOULD BE APPROX 500 GAL.  
Septic Tank 1200 Gal. Liquid Capacity Lift Station 1,000 Gal.  
Distribution-Box DROP BOX SYSTEM Drop Box concrete with?  
Absorption Trench - Square Feet 375 Lineal Feet 188 Width 24"  
Depth of Rock Below Tile Lines 12 Inches, Above Tile 2 Inches TRENCHES NO DEEPER THAN 24" INTO NATURAL SOIL  
Depth of Trench - Minimum Cover 18 Inches, Maximum Cover 18 Inches  
Minimum Number of Lines 2 Maximum Length of Individual Line 100 Ft.  
Recommended Number of Lines 2 at 94'  
Minimum Spacing of Lines 6 1/2 Ft. Center to Center.

Inspection of Installation Must Be Accomplished By This Office Before Any Portion of System Is Covered.

Special Conditions System must go in area tested and shown on attached site plan. Line from house to tank should be cast iron. Low area must be filled for future development. Trenches no deeper than 24" into natural soil. Alarm device required on lift station pump.

System Inspected 5-23-79  
DATE

Installation Approved Russ Anderson  
INSPECTOR

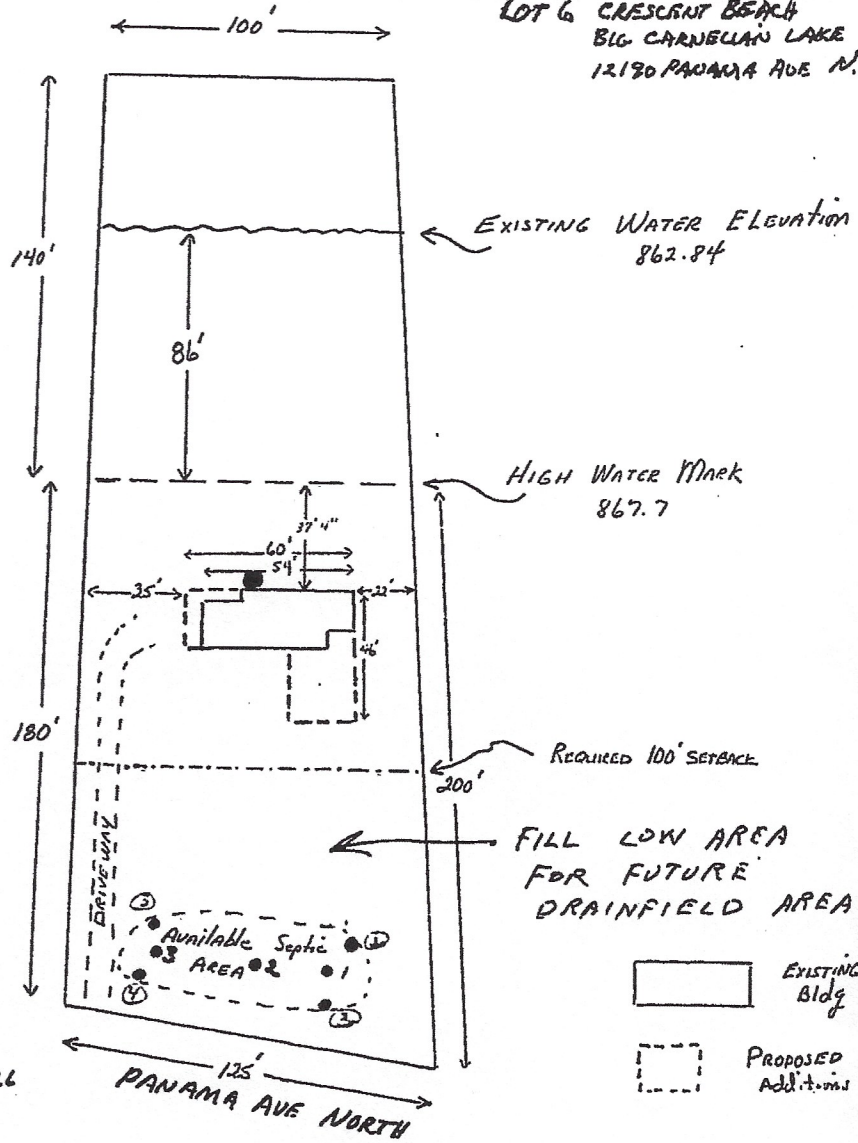
Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PERMIT: Permission is hereby granted to the above named applicant to perform the work described in the application, to the specifications shown under minimum system required. This permit is granted upon express condition that the person to whom it is granted, and his agents, employees and workmen shall conform in all respects to ordinances of Washington County, Minnesota. This permit may be revoked at any time upon violation of any said ordinance, and permit shall be void if work is not commenced within (6) months. Installer must hold current Septic Installer License with Washington County.

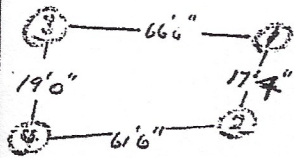
Approved: Al Goodman 9-13-78  
(ZONING ADMINISTRATOR) (DATE)

SITE PLAN

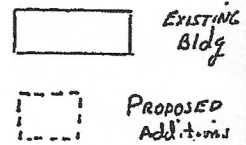
LOT 6 CRESCENT BEACH  
BIG CARNECIAN LAKE  
12130 PANAMA AVE N.



DISTANCES BETWEEN TEST BORINGS:



- LOCATION OF WELL
- TEST BORINGS
- PERCOLATION TESTS



1" = 50'

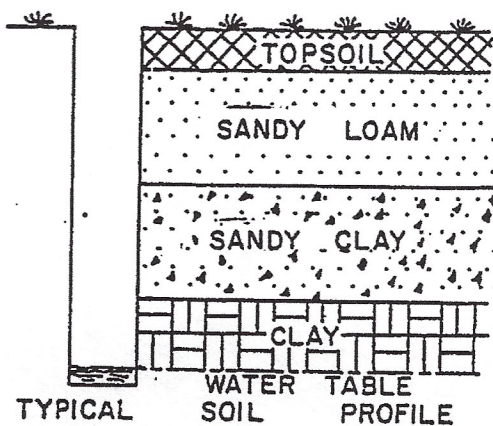
**-SOIL BORINGS-**

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



**LOG OF SOIL BORINGS**

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	TOP SOIL	0	TOP SOIL	0	TOP SOIL	0	TOP SOIL
1/2		1/2		1/2	SANDY LOAM	1/2	TOP SOIL
1	SANDY LOAM	1	SANDY LOAM	1		1	SANDY LOAM
1 1/2		1 1/2		1 1/2		1 1/2	
2		2		2		2	
2 1/2		2 1/2		2 1/2		2 1/2	
3		3		3		3	
3 1/2	SAND	3 1/2	SAND	3 1/2	SAND	3 1/2	SAND
4		4		4		4	
4 1/2		4 1/2		4 1/2		4 1/2	
5		5		5		5	
5 1/2		5 1/2		5 1/2		5 1/2	
6		6		6		6	
6 1/2		6 1/2		6 1/2		6 1/2	
7	SANDY LOAM	7		7	SANDY CLAY	7	SANDY CLAY
7 1/2	SANDY CLAY	7 1/2		7 1/2	LIGHT CLAY	7 1/2	LIGHT CLAY
8		8		8		8	LIGHT CLAY
8 1/2	HEAVY CLAY	8 1/2	SANDY CLAY	8 1/2	HEAVY CLAY	8 1/2	HEAVY CLAY
9		9		9		9	