



DISCLOSURE STATEMENT: SUBSURFACE SEWAGE TREATMENT SYSTEM

This form approved by the Minnesota Association of REALTORS®, which disclaims any liability arising out of use or misuse of this form.
© 2021 Minnesota Association of REALTORS®

1. Date _____
2. Page 1 of _____ pages:
3. THE REQUIRED MAP IS ATTACHED AND MADE A
4. PART OF THIS DISCLOSURE
5. Property located at 7481 Stone Ridge Shores,
6. City of Orr, County of St. Louis,
7. State of Minnesota, Zip Code 55771, legally described as follows or on attached sheet:
see addendum to listing agreement ("Property").
8. This disclosure is not a warranty of any kind by Seller(s) or any licensee(s) representing or assisting any party(ies) in this transaction, and is not a substitute for any inspections or warranties the party(ies) may wish to obtain.
9. **BUYER(S) AND SELLER(S) MAY WISH TO OBTAIN PROFESSIONAL ADVICE AND/OR INSPECTIONS OF THE**
10. **SUBSURFACE SEWAGE TREATMENT SYSTEM AND TO PROVIDE FOR APPROPRIATE PROVISIONS IN A**
11. **CONTRACT BETWEEN BUYER(S) AND SELLER(S) WITH RESPECT TO ANY ADVICE/INSPECTION/**
12. **DEFECTS.**
13. **SELLER'S INFORMATION:** The following Seller disclosure satisfies MN Statutes Chapter 115.55. Seller discloses the following information with the knowledge that even though this is not a warranty, prospective Buyers may rely on this information in deciding whether and on what terms to purchase the Property. The Seller(s) authorizes any licensee(s) representing or assisting any party(ies) in this transaction to provide a copy of this statement to any person or entity in connection with any actual or anticipated sale of the Property.
14. Unless Buyer and Seller agree to the contrary in writing before the closing of the sale, a Seller who fails to disclose the existence or known status of a subsurface sewage treatment system at the time of sale, and who knew or had reason to know of the existence or known status of the system, is liable to Buyer for costs relating to bringing the system into compliance with subsurface sewage treatment system rules and for reasonable attorney fees for collection of costs from Seller. An action under this subdivision must be commenced within two years after the date on which Buyer closed the purchase of the real property where the system is located.
15. Legal requirements exist relating to various aspects of location and status of subsurface sewage treatment systems. Buyer is advised to contact the local unit(s) of government, state agency, or qualified professional which regulates subsurface sewage treatment systems for further information about these issues.
16. The following are representations made by Seller(s) to the extent of Seller(s) actual knowledge. This information is a disclosure and is not intended to be part of any contract between Buyer and Seller.
17. **SUBSURFACE SEWAGE TREATMENT SYSTEM DISCLOSURE: (Check the appropriate boxes.)**
18. Seller certifies that the following subsurface sewage treatment system is on or serving the above-described Property.
19. TYPE: (Check appropriate box(es) and indicate location on attached Disclosure Statement: Location Map.)
20. ☒ Septic Tank: ☒ with drain field ☐ with mound system ☐ seepage tank ☐ with open end
21. Is this system a straight-pipe system? ☐ Yes ☐ No ☐ Unknown
22. ☐ Sealed System (holding tank)
23. ☐ Other (Describe.): _____
24. Is the subsurface sewage treatment system(s) currently in use? ☒ Yes ☐ No
25. Is the above-described Property served by a subsurface sewage treatment system located entirely within the Property boundary lines, including setback requirements? ☒ Yes ☐ No
26. If "No," please explain: _____
27. _____
28. Comments: _____
29. _____

**DISCLOSURE STATEMENT: SUBSURFACE
SEWAGE TREATMENT SYSTEM**

45. Page 2

46. Property located at 7481 Stone Ridge Shores Orr 55771
47. Is the subsurface sewage treatment system(s) a shared system? ☐ Yes ☐ No
48. If "Yes,"
49. (1) How many properties or residences does the subsurface sewage treatment system serve?
50. one
51. (2) Is there a maintenance agreement for the shared subsurface sewage treatment system? ☐ Yes ☒ No
52. If "Yes," what is the annual maintenance fee? \$ _____
53. **NOTE: If any water use appliance, bedroom, or bathroom has been added to the Property, the system may**
54. **no longer comply with applicable sewage treatment system laws and rules.**
55. Seller or transferor shall disclose to Buyer or transferee what Seller or transferor has knowledge of relative to the
56. compliance status of the subsurface sewage treatment system. _____
57. _____
58. _____
59. Any previous inspection report in Seller's possession must be attached to this Disclosure Statement.
60. When was the subsurface sewage treatment system installed? 8-13-2004
61. Installer Name/Phone Bill Gnyiska 616-2891
62. Where is tank located? NW Side of House
63. What is tank size? 1500 gal
64. When was tank last pumped? 2024
65. How often is tank pumped? Yearly
66. Where is the drain field located? _____
67. What is the drain field size? _____
68. Describe work performed to the subsurface sewage treatment system since you have owned the Property.
69. _____
70. _____
71. Date work performed/by whom: _____
72. _____
73. Approximate number of:
74. people using the subsurface sewage treatment system _____
75. showers/baths taken per week _____
76. wash loads per week _____
77. **NOTE: Changes in the number of people using the subsurface sewage treatment system or volume of water**
78. **used may affect the subsurface sewage treatment system performance.**
79. Distance between well and subsurface sewage treatment system? 100 Ft Plus
80. Have you received any notices from any government agencies relating to the subsurface sewage treatment system?
81. (If "Yes," see attached notice.) ☐ Yes ☒ No
82. Are there any known defects in the subsurface sewage treatment system? ☐ Yes ☒ No
83. If "Yes," please explain: _____
84. _____
85. _____

**DISCLOSURE STATEMENT: SUBSURFACE
SEWAGE TREATMENT SYSTEM**

86. Page 3

87. Property located at 7481 Stone Ridge Shores Orr 55771

88. **SELLER'S STATEMENT:** *(To be signed at time of listing.)*

89. Seller(s) hereby states the facts as stated above are true and accurate and authorizes any licensee(s) representing or
90. assisting any party(ies) in this transaction to provide a copy of this Disclosure Statement to any person or entity in
91. connection with any actual or anticipated sale of the Property. A seller may provide this Disclosure Statement to a
92. real estate licensee representing or assisting a prospective buyer. The Disclosure Statement provided to the real
93. estate licensee representing or assisting a prospective buyer is considered to have been provided to the prospective
94. buyer. If this Disclosure Statement is provided to the real estate licensee representing or assisting the prospective
95. buyer, the real estate licensee must provide a copy to the prospective buyer.

96. **Seller is obligated to continue to notify Buyer in writing of any facts that differ from the facts disclosed here**
97. **(new or changed) of which Seller is aware that could adversely and significantly affect the Buyer's use or**
98. **enjoyment of the Property or any intended use of the Property that occur up to the time of closing.** To disclose
99. new or changed facts, please use the *Amendment to Disclosure Statement* form.

100.  3.1.16  5/19/16
(Seller) (Date) (Seller) (Date)

101. **BUYER'S ACKNOWLEDGEMENT:** *(To be signed at time of purchase agreement.)*

102. I/We, the Buyer(s) of the Property, acknowledge receipt of this *Disclosure Statement: Subsurface Sewage Treatment*
103. *System and Disclosure Statement: Location Map* and agree that no representations regarding facts have been made
104. other than those made above.

105. _____
(Buyer) (Date) (Buyer) (Date)

106. **LISTING BROKER AND LICENSEES MAKE NO REPRESENTATIONS HERE AND ARE**
107. **NOT RESPONSIBLE FOR ANY CONDITIONS EXISTING ON THE PROPERTY.**

MN-DS:SSTS-3 (8/21)



DISCLOSURE STATEMENT: WELL

This form approved by the Minnesota Association of REALTORS®, which disclaims any liability arising out of use or misuse of this form.
© 2022 Minnesota Association of REALTORS®

1. Date _____
2. Page 1 of _____ pages: THE REQUIRED MAP
3. IS ATTACHED HERE AND MADE A PART OF THIS
4. DISCLOSURE

5. Minnesota Statute 103I.235 requires that, before signing an agreement to sell or transfer real property, Seller must
6. disclose information in writing to Buyer about the status and location of all known wells on the property. This requirement
7. is satisfied by delivering to Buyer either a statement by Seller that Seller does not know of any wells on the property,
8. or a disclosure statement indicating the legal description and county, and a map showing the location of each well.
9. In the disclosure statement Seller must indicate, for each well, whether the well is in use, not in use or sealed.

10. Unless Buyer and Seller agree to the contrary in writing, before the closing of the sale, a Seller who fails to disclose
11. the existence or known status of a well at the time of sale, and knew or had reason to know of the existence or known
12. status of the well, is liable to Buyer for costs relating to sealing of the well and reasonable attorneys' fees for collection
13. of costs from Seller, if the action is commenced within six years after the date Buyer closed the purchase of the real
14. property where the well is located.

15. Legal requirements exist relating to various aspects of location and status of wells. Buyer is advised to
16. contact the local unit(s) of government, state agency, or qualified professional which regulates wells for further
17. information about these issues. For additional information on wells, please visit the Minnesota Department of Health's
18. website at www.health.state.mn.us.

19. Instructions for completion of this form are on page three (3).

20. **PROPERTY DESCRIPTION:** Street Address: 7481 Stone Ridge Shores

21. City of Orr, County of St. Louis

22. State of Minnesota, Zip Code 55771

23. **LEGAL DESCRIPTION:** _____

24. see addendum to listing agreement

25. _____ ("Property").

26. **WELL DISCLOSURE STATEMENT:** (Check appropriate boxes.)

27. Seller certifies that the following wells are located on the above-described real Property.

	MN Unique Well No.	Well Depth	Year of Const.	Well Type	IN USE	NOT IN USE	SHARED	SEALED
30. Well 1	<u>681083</u>	_____	_____	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Well 2	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Well 3	_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

33. Is this property served by a well not located on the Property? ☐ Yes ☒ No

34. If "Yes," please explain: _____

35. _____

36. **NOTE:** See definition of terms "IN USE," "NOT IN USE," and "SEALED" on lines 87-97. If a well is not in use, it
37. must be sealed by a licensed well contractor or a well owner must obtain a maintenance permit from
38. the Minnesota Department of Health and pay an annual maintenance fee. Maintenance permits are not
39. transferable. If a well is operable and properly maintained, a maintenance permit is not required.

40. If the well is, "Shared":

41. (1) How many properties or residences does the shared well serve? _____

42. (2) Who manages the shared well? _____

43. (3) Is there a maintenance agreement for the shared well? ☐ Yes ☐ No

44. If "Yes," what is the annual maintenance fee? \$ _____

DISCLOSURE STATEMENT: WELL

45. Page 2

46. Property located at 7481 Stone Ridge Shores Orr 55771

47. **OTHER WELL INFORMATION:**

48. Date well water last tested for contaminants: _____ Test results attached? ☐ Yes ☐ No

49. Contaminated Well: Is there a well on the Property containing contaminated water? ☐ Yes ☐ No

50. Comments: _____

51. _____

52. _____

53. _____

54. _____

55. _____

56. _____

57. **SEALED WELL INFORMATION:** For each well designated as sealed above, complete this section.

58. When was the well sealed? _____

59. Who sealed the well? _____

60. Was a Sealed Well Report filed with the Minnesota Department of Health? ☐ Yes ☐ No

61. **MAP: Complete the attached *Disclosure Statement: Location Map* showing the location of each well on the**
62. **real Property.**

63. This disclosure is not a warranty of any kind by Seller(s) or any licensee(s) representing or assisting any part/(ies) in
64. this transaction and is not a substitute for any inspections or warranties the party(ies) may wish to obtain.

65. **INSTRUCTIONS FOR COMPLETING THE WELL DISCLOSURE STATEMENT**

66. **DEFINITION:** A "well" means an excavation that is drilled, cored, bored, washed, driven, dug, jetted, or otherwise
67. constructed if the excavation is intended for the location, diversion, artificial recharge, or acquisition of groundwater.

68. **MINNESOTA UNIQUE WELL NUMBER:** All new wells constructed AFTER January 1, 1975, should have been
69. assigned a Minnesota unique well number by the person constructing the well. If the well was constructed after this
70. date, you should have the unique well number in your property records. If you are unable to locate your unique well
71. number and the well was constructed AFTER January 1, 1975, contact your well contractor. If no unique well number
72. is available, please indicate the depth and year of construction for each well.

73. **WELL TYPE:** Use one of the following terms to describe the well type.

74. **WATER WELL:** A water well is any type of well used to extract groundwater for private or public use.

75. Examples of water wells are: domestic wells, drive-point wells, dug wells, remedial wells, and municipal
76. wells.

77. **IRRIGATION WELL:** An irrigation well is a well used to irrigate agricultural lands. These are typically
78. large-diameter wells connected to a large pressure distribution system.

79. **MONITORING WELL:** A monitoring well is a well used to monitor groundwater contamination. The well is
80. typically used to access groundwater for the extraction of samples.

81. **DEWATERING WELL:** A dewatering well is a well used to lower groundwater levels to allow for construction
82. or use of underground spaces.

83. **INDUSTRIAL/COMMERCIAL WELL:** An industrial/commercial well is a nonpotable well used to extract
84. groundwater for any nonpotable use, including groundwater thermal exchange wells (heat pumps and heat
85. loops).

DISCLOSURE STATEMENT: WELL

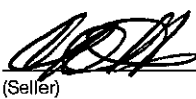
86. Page 3

87. **WELL USE STATUS:** Indicate the use status of each well. CHECK ONLY ONE (1) BOX PER WELL.
88. **IN USE:** A well is "in use" if the well is operated on a daily, regular, or seasonal basis. A well in use includes
89. a well that operates for the purpose of irrigation, fire protection, or emergency pumping.
90. **NOT IN USE:** A well is "not in use" if the well does not meet the definition of "in use" above and has not
91. been sealed by a licensed well contractor.
92. **SEALED:** A well is "sealed" if a licensed contractor has completely filled a well by pumping grout material
93. throughout the entire bore hole after removal of any obstructions from the well. A well is "capped" if it has
94. a metal or plastic cap or cover which is threaded, bolted or welded into the top of the well to prevent entry
95. into the well. A "capped" well is not a "sealed" well.
96. If the well has been sealed by someone other than a licensed well contractor or a licensed well sealing
97. contractor, check the well status as "not in use."
98. If you have any questions, please contact the Minnesota Department of Health, Well Management Section,
99. at (651) 201-4587 (metropolitan Minneapolis-St. Paul) or 1-800-383-9808 (greater Minnesota).

100. **SELLER'S STATEMENT:** *(To be signed at time of listing.)*

101. Seller(s) hereby states that the facts as stated above are true and accurate and authorizes any licensee(s) representing
102. or assisting any party(ies) in this transaction to provide a copy of this Disclosure Statement to any person or entity
103. in connection with any actual or anticipated sale of the Property. A seller may provide this Disclosure Statement to
104. a real estate licensee representing or assisting a prospective buyer. The Disclosure Statement provided to the real
105. estate licensee representing or assisting a prospective buyer is considered to have been provided to the prospective
106. buyer. If this Disclosure Statement is provided to the real estate licensee representing or assisting the prospective
107. buyer, the real estate licensee must provide a copy to the prospective buyer.

108. **Seller is obligated to continue to notify Buyer in writing of any facts that differ from the facts disclosed here
109. (new or changed) of which Seller is aware that could adversely and significantly affect the Buyer's use or
110. enjoyment of the Property or any intended use of the Property that occur up to the time of closing.** To disclose
111. new or changed facts, please use the *Amendment to Disclosure Statement* form.

112.  5/19/20 _____ 5/19/25 _____
(Seller) (Date) (Seller) (Date)

113. **BUYER'S ACKNOWLEDGEMENT:** *(To be signed at time of purchase agreement.)*

114. I/We, the Buyer(s) of the Property, acknowledge receipt of this *Disclosure Statement: Well* and *Disclosure Statement:*
115. *Location Map* and agree that no representations regarding facts have been made other than those made above.

116. _____
(Buyer) (Date) (Buyer) (Date)

117. **LISTING BROKER AND LICENSEES MAKE NO REPRESENTATIONS HERE AND ARE**
118. **NOT RESPONSIBLE FOR ANY CONDITIONS EXISTING ON THE PROPERTY.**

5

**Individual Sewage Treatment System
Certificate of Compliance
Authorization to Use System**

Site: ALLEN & CHARLENE HATFIELD
Address: 7481 STONERIDGE SHORES
COOK, MN 55723

HATFIELD M ALLEN & CHARLENE
13 SKILLMAN LN
NORTH OAKS MN 55127

Permit Number: 7562
Date of Permit: 06/26/2002
Date of Inspection: 08/01/2003
Parcel Code: 387-35-3140
Township: UNORGANIZED TWP (6317)

Designer:
MATRIX SOILS & SYSTEMS, INC.
Installer:
BILL GRUSKA CONSTRUCTION

Legal Description:

LOT 2

The system was sized for a Seasonal Dwelling with 6 Bedrooms.

The permit was granted for:

A New Standard System

ONE 1,500 Gallon Septic Tank(s) and ONE 1,000 Gallon Additional Tank(s)

ONE 1,500 Gallon Pump Chamber(s)

System consists of 521 Feet of 3 Foot wide Std Rock Trench with a total of 6 Inches of Rock

AUTHORIZATION TO USE THIS SYSTEM IS:

- ☒ Approved upon completion of the final cover.
☐ Approved upon completion of the following items as noted in comments.
☐ Denied
☐ Allowed because of the following items as noted in comments.

Comments:

DISCLAIMER: St. Louis County issues Certificates of Compliance as part of its discretionary activities on behalf of the public. St. Louis County disavows and assumes no liability for damages to person or property in any manner or form resulting from the issuance of this Certificate of Compliance. St. Louis County cannot and does not guarantee the successful operation of the system.

This Certificate of Compliance is valid for five years unless the system fails and becomes a public health hazard or nuisance.

By: 
TYLER LAMPELLA 218-749-0631

REV.3/01/2001

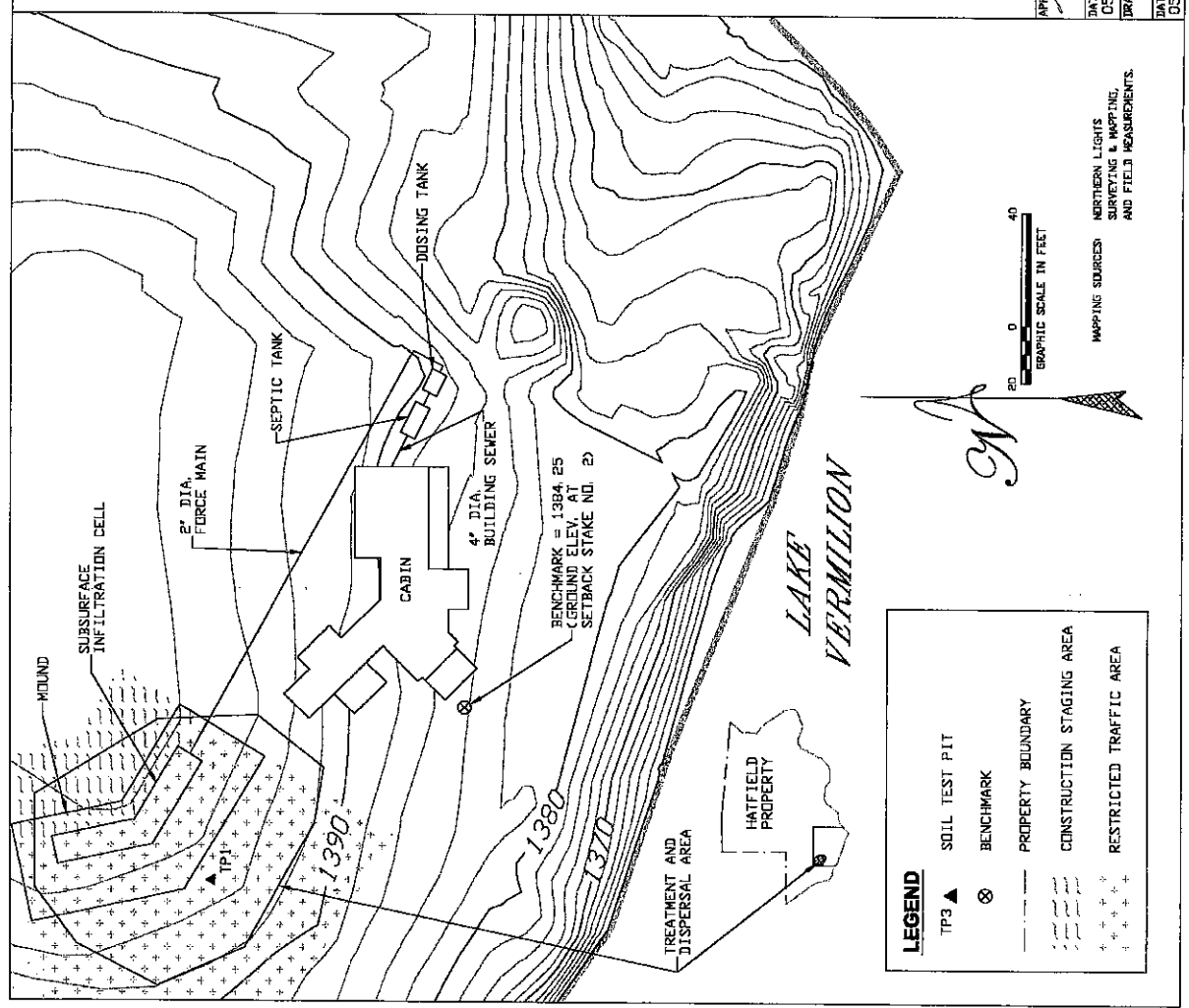
St. Louis County Department of Public Health
Northland Office Center - East Wing
307 First Street South
Virginia, MN 55792

Form: H420317P

NOTES

- CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, AND SHALL COMPLY WITH APPLICABLE STATE, COUNTY, AND LOCAL CODES. REQUIRED PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
- VEHICLE TRAFFIC IN THE RESTRICTED TRAFFIC AREA IS LIMITED TO THAT NECESSARY FOR MOUND SOIL PREPARATION. NO OTHER TRAFFIC OR STORAGE OF CONSTRUCTION MATERIALS IS PERMITTED IN THE RESTRICTED TRAFFIC AREA. VEHICLE TRAFFIC AND CONSTRUCTION MATERIALS STORAGE IS UNRESTRICTED IN THE CONSTRUCTION STAGING AREA.
- PROCEED WITH CONSTRUCTION AS FOLLOWS:
 - STAKE CONSTRUCTION LOCATIONS (SEPTIC TANK, DOSING TANK, MOUND BASE, AND SUBSURFACE INFILTRATION CELL).
 - FIELD VERIFY ALL COMPONENT RELATIVE ELEVATIONS. ACCEPTABILITY OF DEVIATION FROM SPECIFIED ELEVATIONS AND REFERENCES SHALL BE CONFIRMED WITH DESIGNER.
 - FOR THE MOUND:
 - TRIM VEGETATION IN VICINITY OF BASE TO GROUND SURFACE. REMOVE CLIPPINGS AND DEBRIS. PLOW SURFACE SOIL IN VICINITY OF BASE. PLOW TO 8-INCH DEPTH PARALLEL TO GROUND SURFACE.
 - REMOVE ALL ROCKS AND DEBRIS FROM THE BASE. REMOVE ALL ROCKS WITH UNGATED BENCH. ROTOTILLING OR PLANTING OF SOIL IS PROHIBITED. DO NOT ALLOW ANY OTHER EQUIPMENT TO ENTER THE AREA.
 - FORM A WIRE WHEN ROLLED BETWEEN THE HANDS. TRAFFIC IN PLOWED AREA IS PROHIBITED. THE SURFACE SHALL BE REFINISHED TO THE BASE OF THE MOUND. THE SURFACE SHALL BE REFINISHED TO THE BASE OF THE MOUND.
 - 1.00 INCH MINIMUM SAND FILL ON PLOWED AREA. WORK FROM UPSLOPE SIDE AND MAINTAIN A 1:1 SLOPE.
 - CONSTRUCT INFILTRATION CELL AND PRESSURE NETWORK AS SPECIFIED.
 - SEPTIC AND DOSING TANKS SHALL:
 - BE SET ON A 3-INCH BASE OF COMPACTED, GRAVEL-FREE SAND.
 - BE WATER TIGHT, AND HAVE WATER TIGHT JOINTS AND CONNECTIONS.
 - BE SET ON A 3-INCH BASE OF COMPACTED, GRAVEL-FREE SAND.
 - HAVE EFFICIENT SCREEN INSTALLED ON OUTLET PIPE (IN SEPTIC TANK ONLY).
 - UNLESS OTHERWISE SPECIFIED, ALL PIPING SHALL:
 - HAVE WATER TIGHT JOINTS. JOINTS SHALL BE WELDED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - HAVE AN 1/8-INCH PER FOOT MINIMUM SLOPE. MAXIMUM BUILDING SEWER SLOPE IS 1/4-INCH PER FOOT.
 - BE SET ON A 3-INCH BASE OF COMPACTED, GRAVEL-FREE SAND, HAND TAMPED ABOUT THE PIPE, AND BACKFILLED WITH ROCK-FREE MATERIAL COMPACTED TO GRADE.
- GRADE FOR SURFACE DRAINAGE CONTROL AS INDICATED ON PLANS.
- PREVENT EROSION DURING CONSTRUCTION USING APPROVED EROSION CONTROL MEASURES.
- SOD, OR SEED AND MULCH AREAS DISTURBED DURING CONSTRUCTION.

DESIGN PARAMETERS			
FLOW	600 gpd PEAK	LINEAR	
LOADING RATES	0.6 gpd/sf	MOUND	10 gpd/ft
SAND FILL	LOADING RATE	1.0 gpd/sf	DEPTH
	LENGTH	60 ft	1 ft MIN.
INFILTRATION CELL	LENGTH	10 ft	1 ft
PRESSURE NETWORK	TYPE	41 gpm @ 28 ft T.D.H.	PERFORMANCE
MANIFOLD	CENTER	2 in. MIN.	LENGTH
	SPACING	3 ft 4 in.	INVERT ELEV.
LATERAL	1-1/4 in.	28 ft 4 in.	1399.25 ft
HOLES	TOTAL NUMBER	54	DIAMETER
	SPACING	3/16 in.	3 ft 4 in.
DOSING TANK	CAPACITY	1,000 gal.	MIN. 1384.65 ft
SEPTIC TANK	CAPACITY	2-COMPARTMENT 1,500 gal.	INVERT ELEV.



APPROVED
DATE: 05/13/01
DRAWN: RWW
DATE: 05/12/01

SITE PLAN

MATRIX

Soils & Systems, Inc.

AS SHOWN
SCALE
REV.

ON-SITE WASTEWATER SYSTEM

HATFIELD PROPERTY

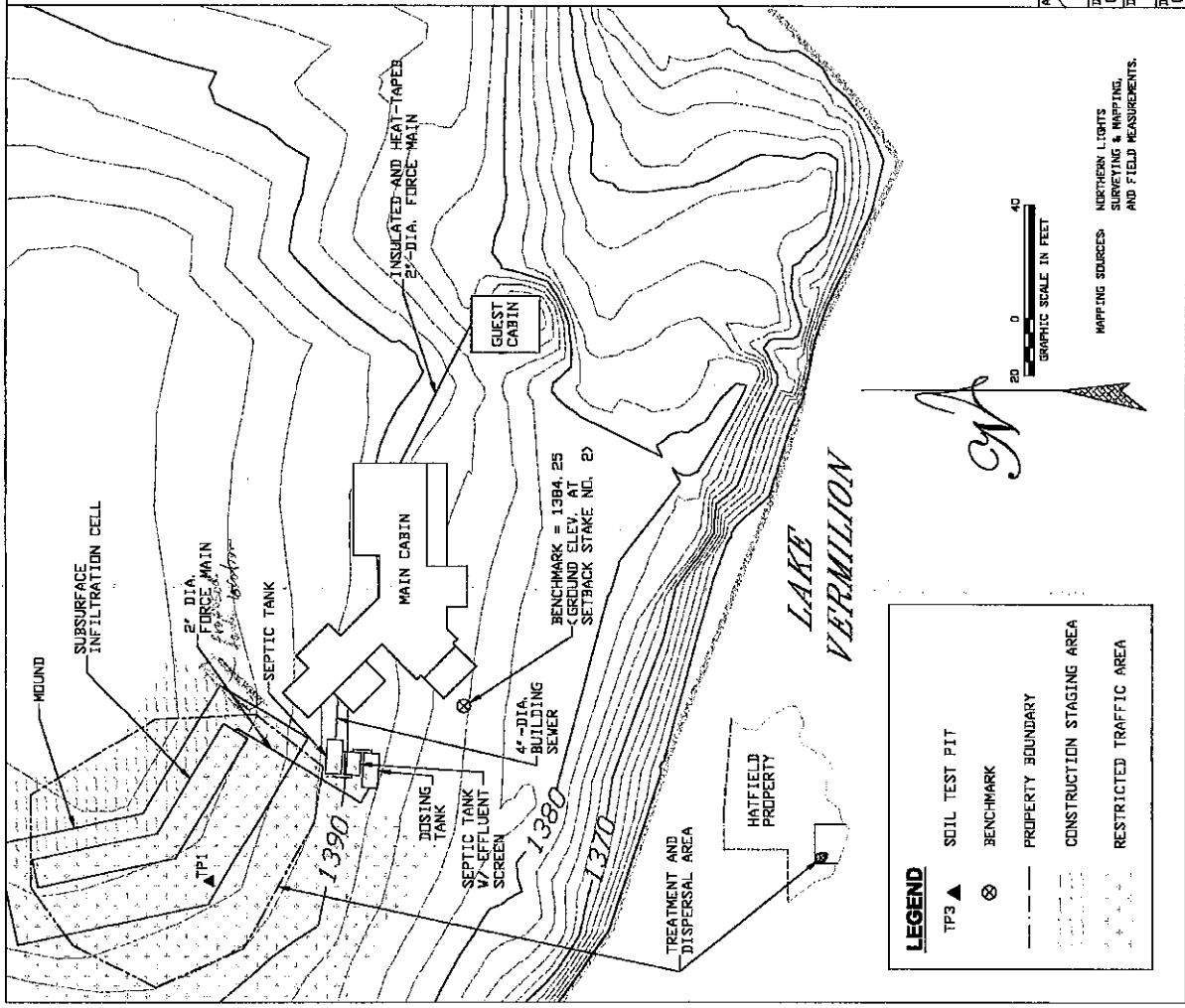
PT GOVT LOT 6 SEC. 14 & GOVT LOT 2 SEC. 23
T63N, R17W, AN UNORGANIZED TWP.
ST. LOUIS CO., MINNESOTA

FIGURE 1

NOTES

1. CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, AND SHALL COMPLY WITH APPLICABLE COUNTY, STATE, AND LOCAL CODES. REQUIRED PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
2. CONFIRM ACTUAL LOCATION OF PROPERTY BOUNDARIES. LOCATIONS SHOWN ARE APPROXIMATE.
3. SYSTEM EQUIPMENT AND MATERIALS SHALL BE APPROVED BY THEIR MANUFACTURER FOR THE USE SHOWN AND/OR SPECIFIED AND SHALL BE SUBSTITUTED FOR SPECIFIED EQUIPMENT SHALL BE APPROVED BY DESIGNER PRIOR TO CONSTRUCTION.
4. VEHICLE TRAFFIC IN THE RESTRICTED TRAFFIC AREA IS LIMITED TO THAT NECESSARY FOR MOUND SOIL PREPARATION AND VEHICLE TRAVEL TO AND FROM THE MOUND. VEHICLE TRAVEL TO AND FROM THE MOUND SHALL BE LIMITED TO THE RESTRICTED TRAFFIC AREA. VEHICLE TRAFFIC AND CONSTRUCTION MATERIALS STORAGE ARE PROHIBITED IN THE CONSTRUCTION STAGING AREA.
5. PROCEED WITH CONSTRUCTION AS FOLLOWS:
 - a. STAKE COMPONENT LOCATIONS (SEPTIC AND DRAINING TANKS, MOUND BASE, AND SUBSURFACE INFILTRATION CELLS).
 - b. FIELD VERIFY ALL COMPONENT RELATIVE ELEVATIONS. ACCEPTABILITY OF DEVIATION FROM SPECIFIED LOCATIONS SHALL BE DETERMINED BY THE DESIGNER.
 - c. UNLESS OTHERWISE SPECIFIED, ALL PIPING SHALL:
 - i. BE SCHEDULE 40 PVC.
 - ii. BE 12" DIA. FOR ALL MAINS.
 - iii. HAVE AN ELEVATION TOLERANCE OF ± 0.1 FT.
 - iv. BE BEDDED IN CLEAN SAND, HAND TAMPED ABOUT THE PIPE, AND BACKFILLED WITH ROCK-FREE MATERIAL COMPACTED TO GRADE.
 - v. BE PROTECTED BY A MINIMUM 18" DEEP SAND BED.
6. GRADE TO ROUTE SURFACE DRAINAGE AROUND ENDS OF MOUND.
7. PREVENT EROSION DURING CONSTRUCTION USING APPROVED EROSION CONTROL MEASURES.
8. SOIL, OR SEED AND MULCH AREAS DISTURBED DURING CONSTRUCTION.

DESIGN PARAMETERS									
FLOW	900 gpd PEAK								
LOADING RATES	0.6 gpd/sf (0.36 gpd/sf ACTUAL) 10 gpd/sf								
SAND FILL	LOADING RATE	1.0 gpd/sf							
	UPPER	1 ft MIN.							
	LOWER	242 CY							
BERM WIDTH	UPPER	8 ft							
	LOWER	11 ft							
INFILTRATION CELL	UPPER	90 ft							
	LOWER	10 ft							
PRESSURE NETWORK	TYPE	63 gpm @ 31 ft T.D.H.							
	NUMBER	1-1/4 in.							
MANIFOLD	TYPE	CENTER							
	NUMBER	6							
LATERALS	TYPE	1-1/4 in.							
	NUMBER	43 ft 4 in.							
HOLES	TYPE	3/16 in.							
	NUMBER	3 ft 4 in.							
TANK	CAPACITY	1,500 gal.							
	PRETREATMENT UNIT	120 gal. MIN.							
SEPTIC TANK	CAPACITY	1,500 gal. AND 1,000 gal.							
	INLET INVERT ELEV.	1389.2 ft (APPROX.)							



DATE 05/13/02	DATE 05/12/02	AS SHOWN 1	REV. 1	DESCRIPTION ON-SITE WASTEWATER SYSTEM
HATFIELD PROPERTY				
PT GOVT LOT 6 SEC. 14 & GOVT LOT 2 SEC. 23 T63N, R17W, AN UNORGANIZED TWP.				
ST. LOUIS CO., MINNESOTA				