

EXISTING INFORMATION:

1. TAX MAP 5 LOT 12-A SHOWN ON "SUBDIVISION PLAN LOCATED OFF HAYES ROAD, MADBURY, NH"
2. TOPOGRAPHIC & SITES PLAN FOR BARRINGTON P CROSSBY REAL ESTATE TRUST BY STONEWALL SURVEYING, CONVENTING DATED 08/17, 2020.
3. TAX MAP 5, 610 ACRES, MADBURY, NH, DATED 08/17, 2020.
4. NHDES SUBDIVISION APPROVAL #S4202002301 DATED 9/23/20.
5. SOIL INFORMATION FROM "NH SOIL SERVICE" USE (SYSTEM SAND) (ENV-W4 1021.03 OR ASTM C-33) SEE SPECS.
6. WATER BY NEW WELL TO BE DRILLED.

OWNER OF RECORD:

MICHAEL & VALERIE GRIFFIN
5 CEDAR BROOK VILLAGE
ROCHESTER, NH 03687
603-866-6749

DESIGN CRITERIA:

1. RESIDENTIAL SYSTEM DESIGN:
2. 4 BEDROOM HOUSE PLUS 1 BEDROOM APARTMENT, USE 5.9 BEDROOM LOADING, 600 GPD + 225 GPD = 825 GPD
3. PERC RATE = 12 MIN./INCH.
4. PERC RATE = 12 MIN./INCH. (6 BEDROOM) = 420 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
5. PERC RATE = 12 MIN./INCH. (5 BEDROOM) = 350 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
6. PERC RATE = 12 MIN./INCH. (4 BEDROOM) = 280 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
7. PERC RATE = 12 MIN./INCH. (3 BEDROOM) = 210 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
8. PERC RATE = 12 MIN./INCH. (2 BEDROOM) = 140 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
9. PERC RATE = 12 MIN./INCH. (1 BEDROOM) = 70 LF OF ENVIRO-SEPTIC PIPE REQUIRED.
10. TABLE B FOR 0-10% SLOPE WITH 12 MIN. PERC = 1.5" PIPE SPACING REQUIRED.
11. USE (SYSTEM SAND) (ENV-W4 1021.03 OR ASTM C-33) SEE SPECS.
12. SEPTIC TANK REQUIRED - 1250 GALLONS PLUS 375 GALLONS = 1625 GALLONS
13. NO GARAGE GRINDER WILL BE USED.
14. USE NEW 1750 GALLON 2 COMPARTMENT SEPTIC TANK BY A J FOSS OR EQUAL.

GENERAL NOTES:

1. EXISTING HOME WILL HAVE PERMETER DRAINS.
2. ANY DISCREPANCY BETWEEN THE PLAN AND APPARENT FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION. WRITTEN DIMENSIONS SUPERCEDE SCALD DIMENSIONS. ANY DISCREPANCY IN DIMENSIONS SHALL BE BROUGHT TO THE DESIGNER'S ATTENTION.
3. SEPTIC TANK TO BE INSPECTED ANNUALLY AND TANK PUMPED AT 3 YEAR INTERVALS. HOME OWNER TO KEEP A WRITTEN RECORD OF PUMPING AND MAINTENANCE.
4. SHOULD FAILURE OCCUR, SYSTEM SHALL BE REBUILT IN PLACE.
5. CONTRACTOR SHALL BE LICENSED BY THE NHDES-SUBSURFACE BUREAU TO INSTALL SEPTIC SYSTEMS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT PROPERTY.
7. PROPOSED HOUSE WILL HAVE A DRILLED WELL.
8. WATER SOFTENERS, TREATMENT SYSTEMS, HOT TUBS, ETC. SHALL NOT BE BACKWASHED INTO SEPTIC SYSTEM.
9. THE DESIGNER ASSUMES NO RESPONSIBILITY IF THE SYSTEM IS NOT INSTALLED PER DESIGN.
10. ENVIRO-SEPTIC SYSTEM SHALL BE INSTALLED AND MAINTAINED AS PER PUBLISHED GUIDELINES.
11. RISERS MAY BE INSTALLED TO GRADE FOR INSPECTION AND SERVICE OF SEPTIC TANK.
12. PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT CONSTITUTE A BOUNDARY SURVEY. ACCURACY OF SURVEY IS THE RESPONSIBILITY OF THE OWNER.
13. SEE BACKS ARE THE RESPONSIBILITY OF THE OWNER.
14. REGISTERED SOIL SCIENTIST AND GEOTECNICAL ENGINEER WETLAND DETERMINATION MANUAL (1997 MANUAL).
15. USING US ARMY CORPS OF ENGINEERS WETLAND DETERMINATION MANUAL (1997 MANUAL).
16. SOILS PROFILE INFORMATION AT THE PROPOSED SYSTEM LOCATION IS SIMILAR TO THE PROFILES OF TEST PIT #3 & #4.

TEST PIT #3 9/2/20

LOGGED BY JOSEPH W. NOEL, NH CERT. SOIL SCIENTIST #017.

- 2'-0" PARTIALLY DECOMPOSED ORGANIC MATTER
- 0'-8" DARK BROWN (10R 3/3) FINE SANDY LOAM, FRAGILE, GRANULAR
- 8'-36" DARK YELLOWISH BROWN (10YR 4/6) COBBLY TO STONY FINE SANDY LOAM WITH ROCK FRAGMENTS OF WEATHERED PHYLLITE, FRAGILE, MASSIVE
- 36'-74" BROWN (10YR 5/3) AND PALE BROWN (10YR 6/3) COBBLY LOAMY FINE SAND FIRM IN PLACE, MASSIVE, COMMON PAINT AND DISTINCT REDOX FEATURES
- 74'++ PROBABLE BEDROCK

ENVIRO-SEPTIC SAND SPECS "SYSTEM SAND"

- 0% RETAINED ON 3/4" SIEVE (19 MM)
- 0%-35% RETAINED ON #10 SIEVE (2 MM)
- 40%-90% RETAINED ON #45 SIEVE (0.5 MM)
- FINES QUALITY RESTRICTIONS: A MAXIMUM OF 2% OF TOTAL SAND MAY PASS THROUGH A #200 SIEVE (0.075 MM)
- ASTM C-33 "CONCRETE SAND" MAY BE ACCEPTABLE FOR USE AS "SYSTEM SAND" PROVIDED THAT NO MORE THAN 2% CAN PASS A #200 SIEVE

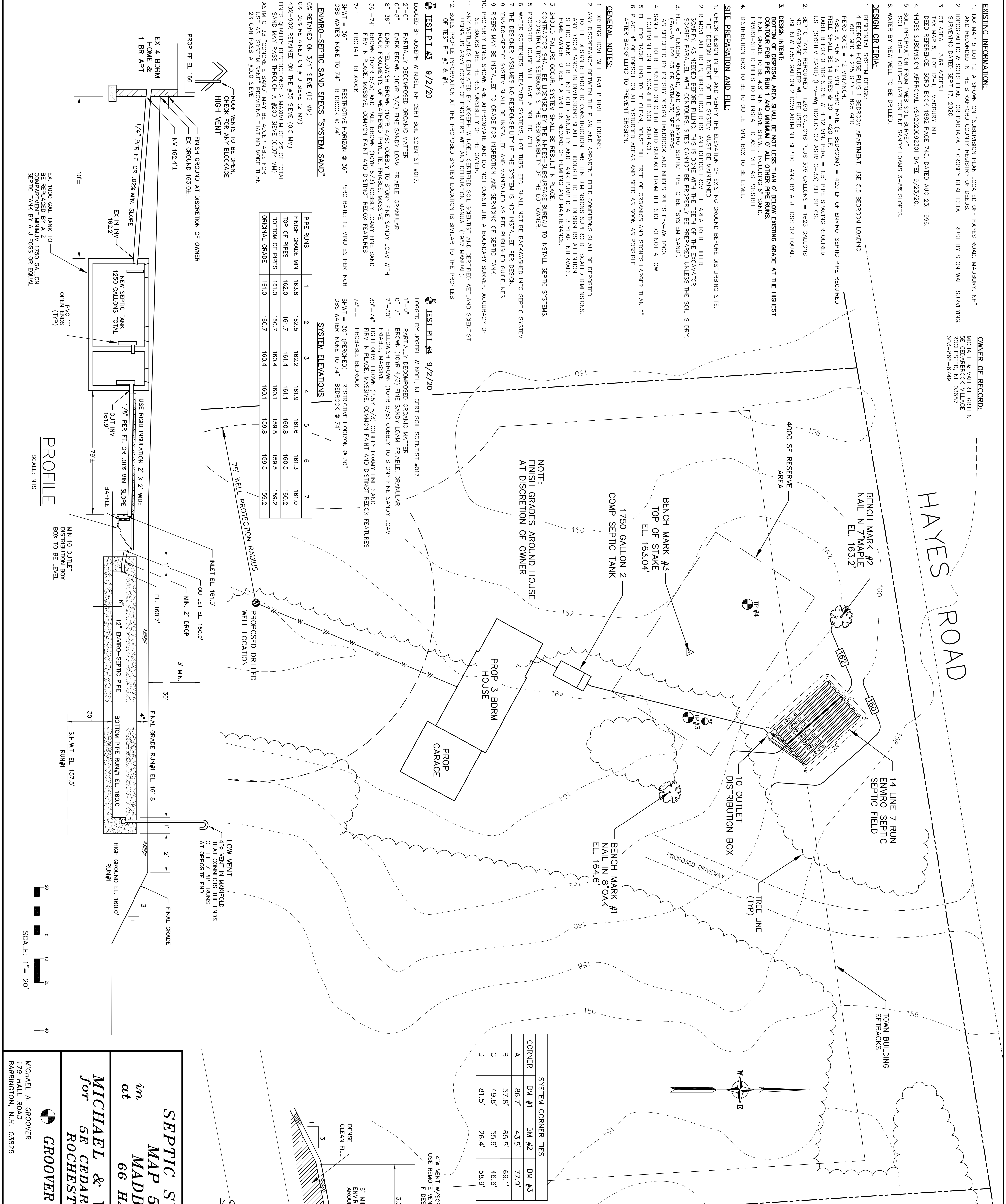
TEST PIT #4 9/2/20

LOGGED BY JOSEPH W. NOEL, NH CERT. SOIL SCIENTIST #017.

- 1'-0" PARTIALLY DECOMPOSED ORGANIC MATTER
- 0'-7" BROWN (10R 4/3) FINE SANDY LOAM, FRAGILE, GRANULAR
- 7'-30" YELLOWISH BROWN (10YR 5/6) COBBLY TO STONY FINE SANDY LOAM
- 30'-74" LIGHT OLIVE BROWN (2.5Y 5/3) COBBLY LOAMY FINE SAND FIRM IN PLACE, MASSIVE, COMMON PAINT AND DISTINCT REDOX FEATURES
- 74'++ PROBABLE BEDROCK

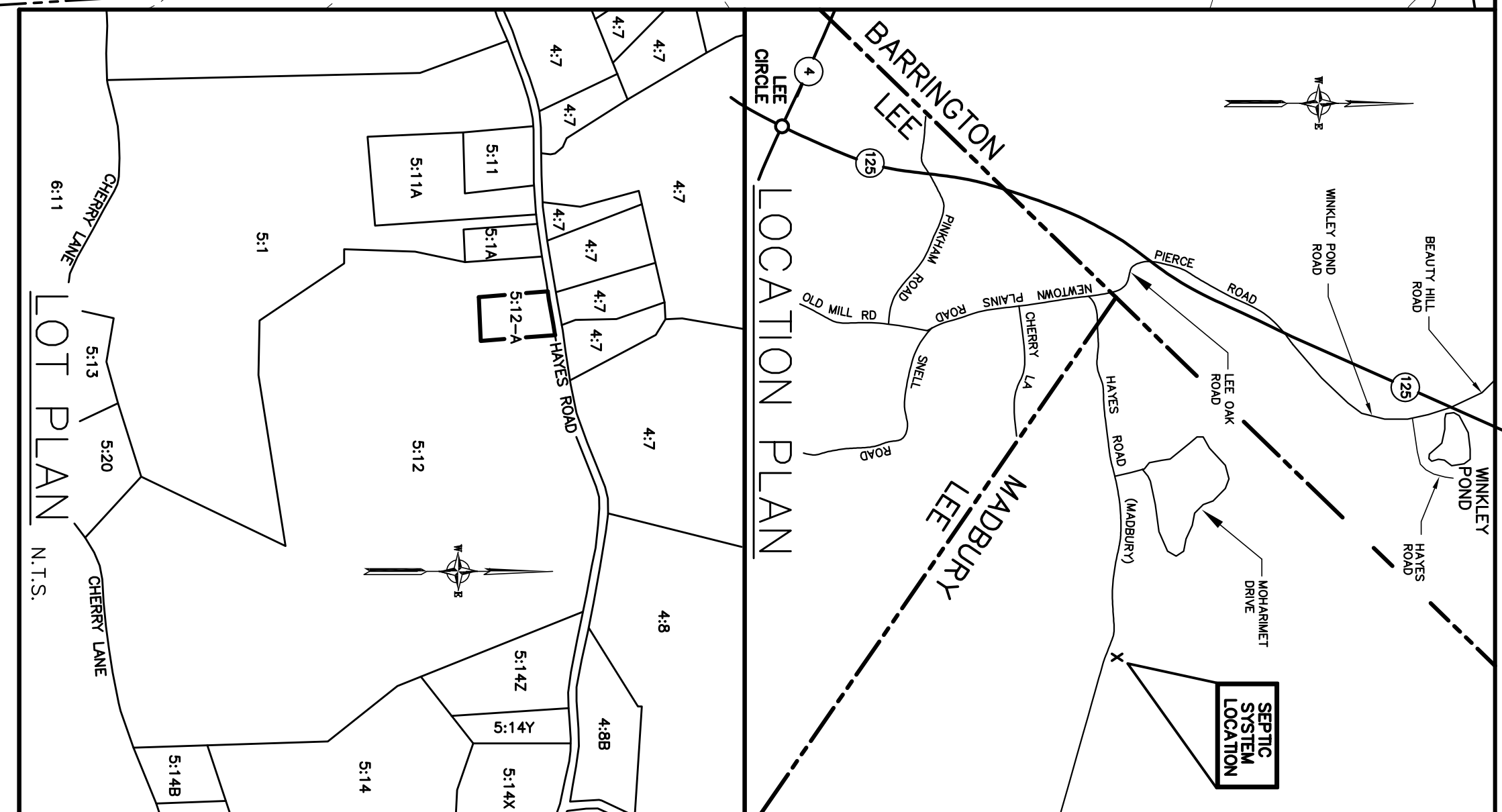
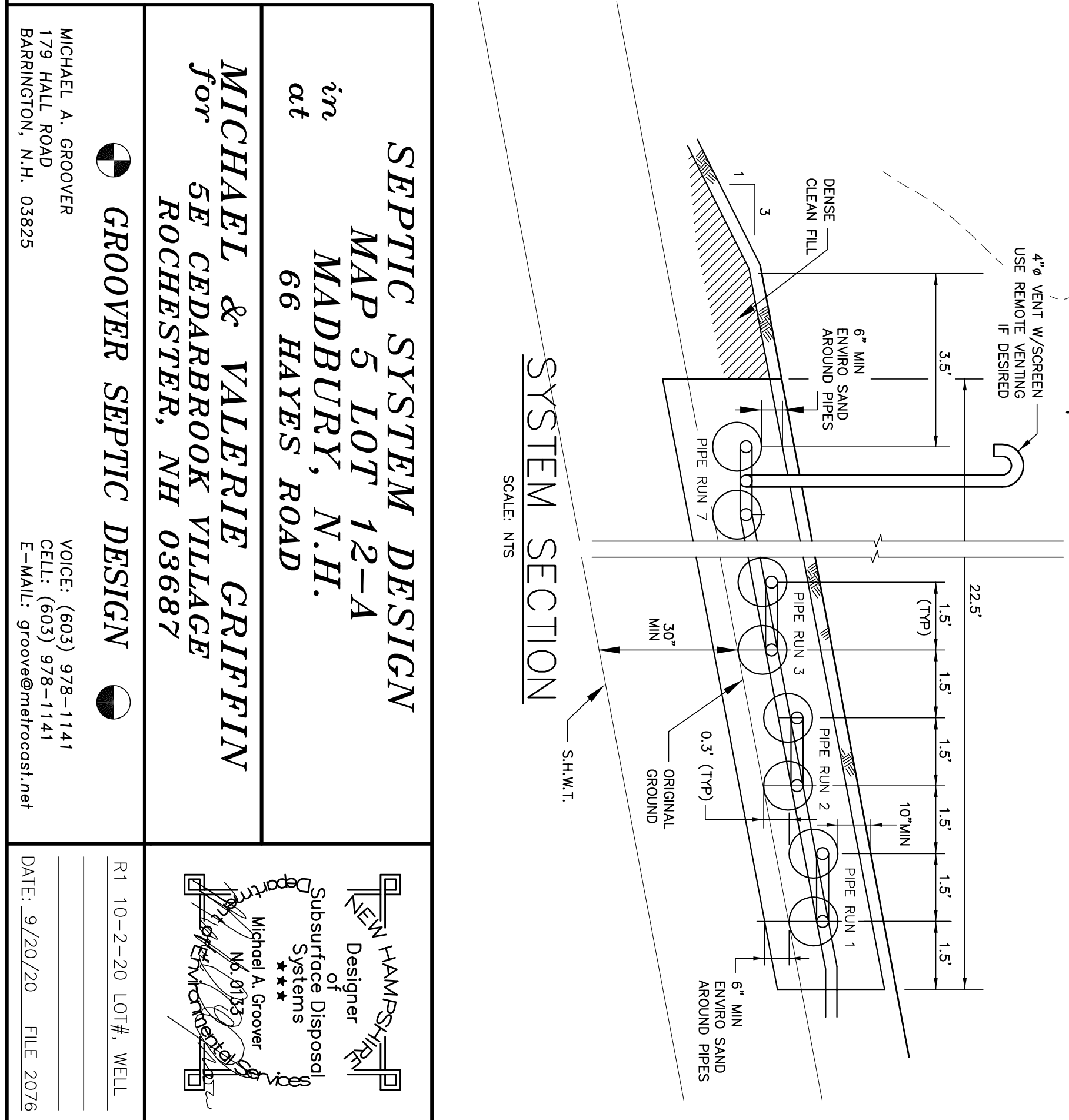
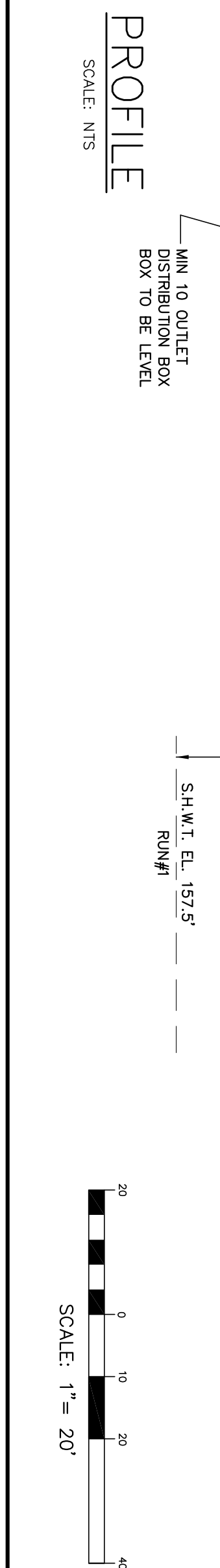
SYSTEM ELEVATIONS

PIPE RUNS	1	2	3	4	5	6	7
FINISH GRADE MIN	163.8	162.5	162.2	161.9	161.6	161.3	161.0
TOP OF PIPES	162.0	161.7	161.4	161.1	160.8	160.5	160.2
BOTTOM OF PIPES	161.0	160.7	160.4	160.1	159.8	159.5	159.2
ORIGINAL GRADE	161.0	160.7	160.4	160.1	159.8	159.5	159.2



SYSTEM CORNER TIES

CORNER	BM #1	BM #2	BM #3
A	86.7'	43.5'	77.9'
B	57.8'	65.5'	69.1'
C	49.8'	55.6'	46.6'
D	81.5'	26.4'	58.9'



SEPTIC SYSTEM DESIGN
MAP 5 LOT 12-A
MADBURY, N.H.
 in
 at
66 HAYES ROAD
MICHAEL & VALERIE GRIFFIN
 for
5E CEDAR BROOK VILLAGE
ROCHESTER, NH 03687

GROOVER SEPTIC DESIGN

MICHAEL A. GROOVER
 179 HALL ROAD
 BARRINGTON, NH, 03825

VOICE: (603) 978-1141
 CELL: (603) 978-1141
 E-MAIL: groover@metrocsl.net

DATE: 9/20/20 FILE 2076

SEPTIC SYSTEM DESIGN
 Designer
 Subsurface Disposal Systems
 Michael A. Groover
 No. 0733
 179 Hall Road
 Barrington, NH 03825