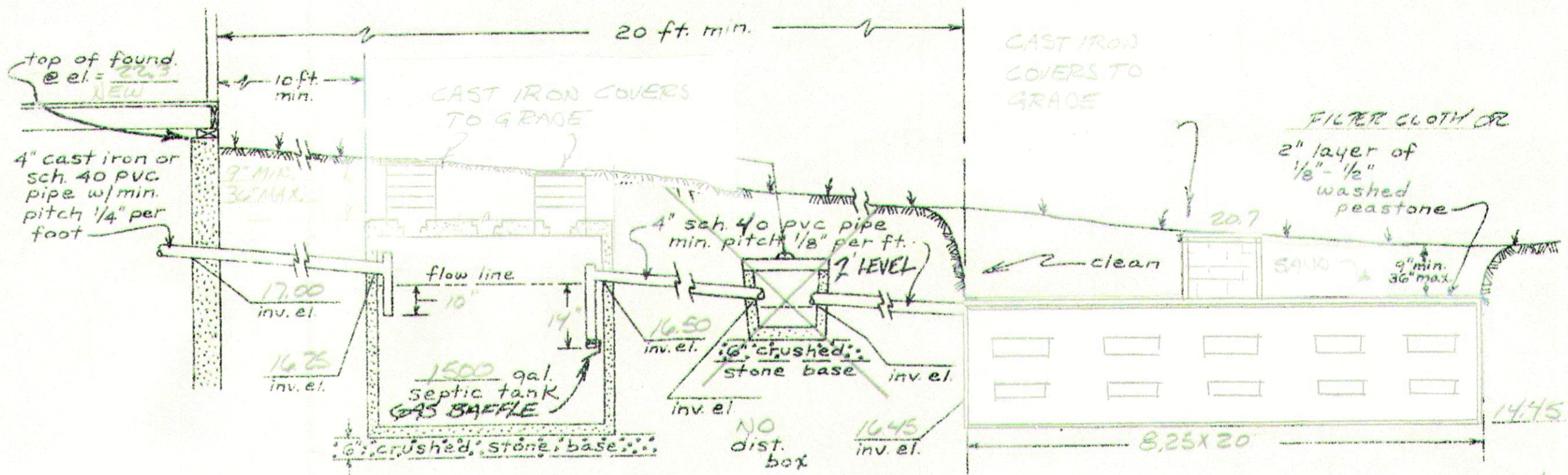


**VARIANCE REQUESTS:**

- 1) FROM HARWICH HEALTH REGS. & TITLE 5 15.211(1) PER 15.405(1)(A) FROM PROPERTY LINE TO SEPTIC TANK: 10 REQ'D, 2.5' PROP. - 7.5' VARIANCE REQUEST.
- 2) FROM PROPERTY LINE TO SEPTIC TANK: 10 REQ'D, 5' PROPOSED - 5 VARIANCE REQUEST.
- 3) FROM PROPERTY LINE TO S.A.S.: 10 REQ'D, 3' PROPOSED - 7 VARIANCE REQUEST.
- 4) FROM PROPERTY LINE TO S.A.S.: 10 REQ'D, 2' PROPOSED - 8 VARIANCE REQUEST.
- 5) FROM HARWICH HEALTH REGS. & TITLE 5 15.211(1) PER 15.405(1)(B) FROM CELLAR WALL TO SEPTIC TANK: 10 REQ'D, 2.5' PROPOSED - 7.5' VARIANCE REQUEST.
- 6) FROM CELLAR WALL TO S.A.S.: 20 REQ'D, 6' PROPOSED - 14 VARIANCE REQUEST.
- 7) FROM HARWICH HEALTH REGS. & TITLE 5 15.249 PER 15.402-15.405 NO RESERVE AREA.



**SEWAGE SYSTEM PROFILE**

not to scale  
 VARIANCE REQUEST CONT. - PER TITLE 5 15.405  
 REDUCTION OF AREA OF S.A.S. BY 6.5%

**DESIGN DATA**

NUMBER OF BEDROOMS: 2  
 GARBAGE DISPOSAL UNIT: N/A  
 TOTAL ESTIMATED FLOW (110 GAL/BR./DAY x 2 BR): 220 GAL/DAY  
 REQ. SEPTIC TANK CAPACITY: 440 GAL.  
 ACTUAL SEPTIC TANK SIZE: 1500 GAL.  
 LEACHING AREA REQUIREMENTS:  
 SIDEWALL (1/2 (8.25 x 20)) = 83.6 GAL.  
 + BOTTOM (1/2 (8.25 x 20)) = 122.1 "  
 TOTAL LEACHING CAPACITY 205.7 GAL.  
 RESERVE LEACHING CAPACITY N/A GAL.

ground water table elev. = N/A  
 bottom test hole elev. = 7.8

S.A.S. TO CONSIST OF (2) H-20 500 GAL. DRYWELLS W/ 1 STONE ON THE SIDES 3' ON ENDS.

**TEST HOLE LOG**

TEST DATE: FEB 8 2022  
 WITNESSED BY: CARRIE SCHNEIDER  
 PERCOLATION RATE: 2.2 MIN./INCH  
 PERFORMED BY: DAVE MASON, CSE

|             | HOLE 1   | HOLE 2 |
|-------------|----------|--------|
| el. =       | 20.7     |        |
| 1' LS.      |          |        |
| 10YR 1/1    | 20.0     |        |
| 2' LS.      |          |        |
| 10YR 1/1.8  | 18.00    |        |
| 3.5' M.E.O. |          |        |
| 15' SAND    |          |        |
| 10YR 2/4    |          |        |
| 15'         | 7.8      |        |
|             | NO WATER |        |

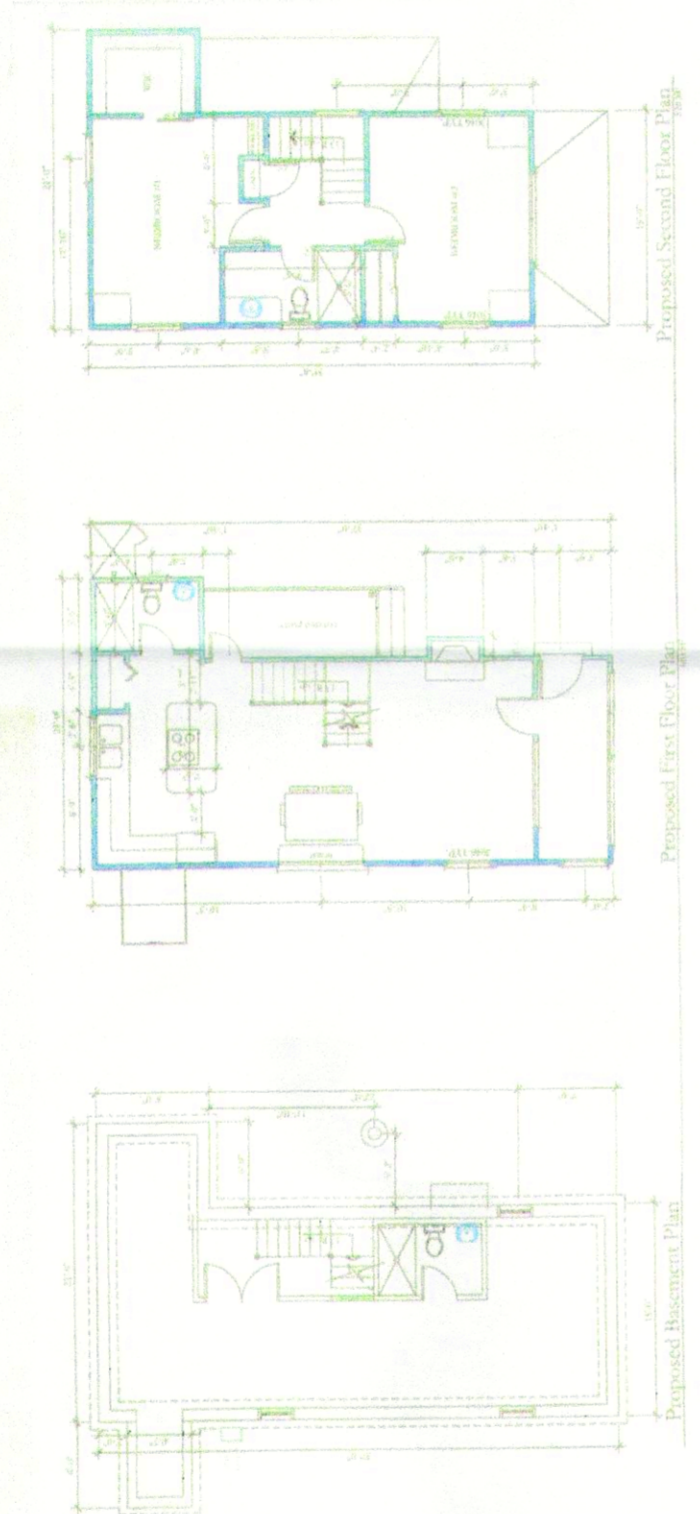
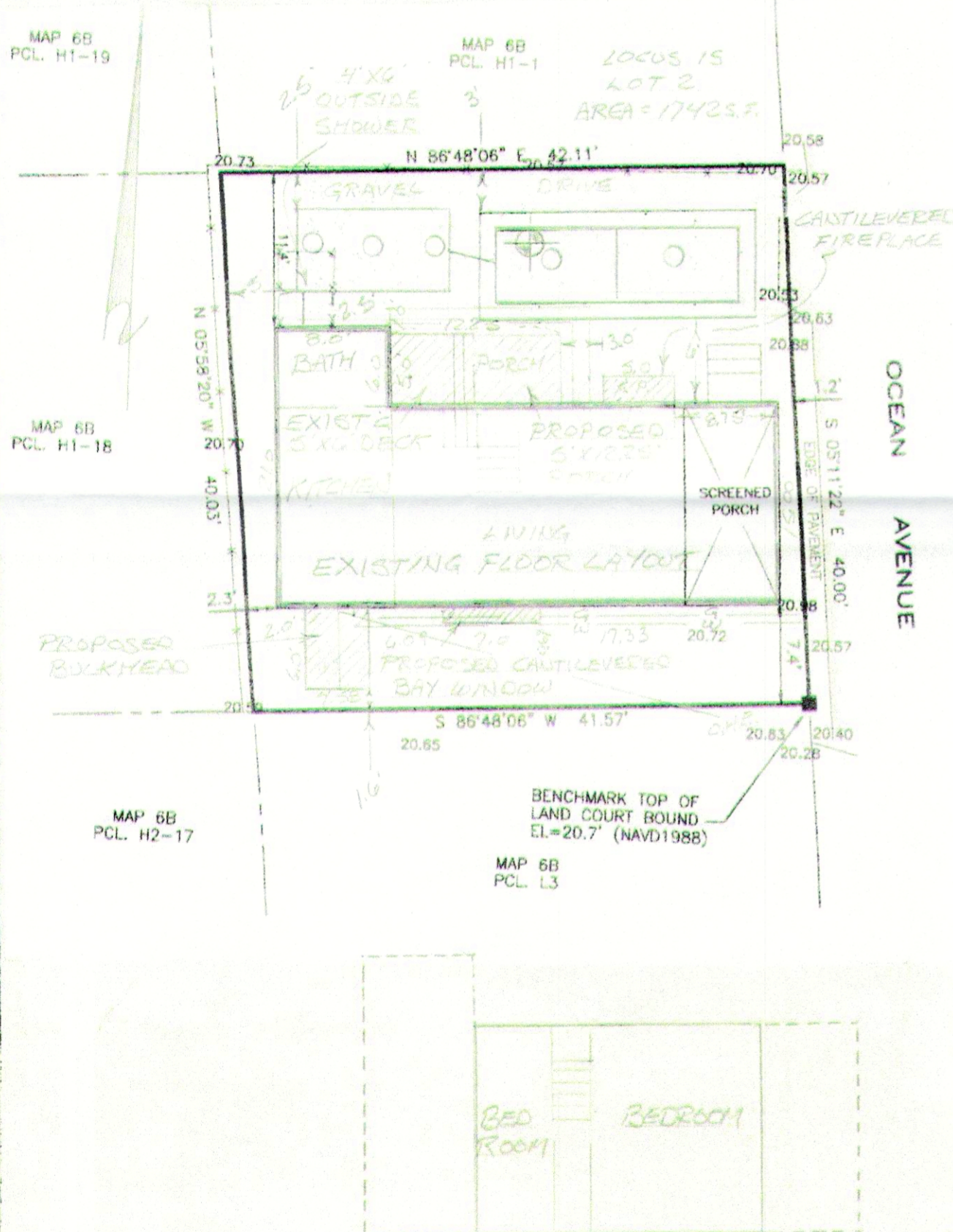
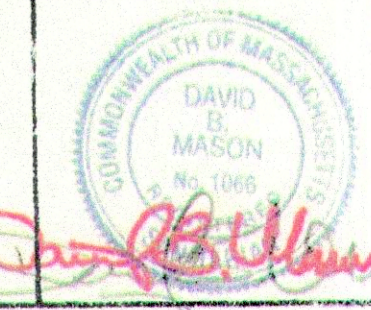
**NOTES**

- 1) ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO D.E.P. TITLE 5 AND THE TOWN OF HARWICH RULES AND REGULATIONS FOR SUBSURFACE DISPOSAL OF SANITARY SEWAGE.
  - 2) COMPLIANCE WITH ZONING REGULATIONS SHALL BE DETERMINED BY BUILDING INSPECTOR/COMMISSIONER.
  - 3) EXISTING AND FINAL GRADES SHALL REMAIN ESSENTIALLY THE SAME.
  - 4) THE INSTALLER SHALL VERIFY THE LOCATION OF ALL UTILITIES, SEWER INVS & SEPTIC COMPONENTS (CESSPOOLS) PRIOR TO INSTALLATION.
  - 5) ALL SYSTEM COMPONENTS TO BE APPROX. MAGNETIC TAPE TO RELOCATE ONCE BACKFILLED.
- DATE APPROVED: \_\_\_\_\_  
 \_\_\_\_\_ BD. OF HEALTH  
 \_\_\_\_\_, AGENT

**SITE PLAN OF PROPOSED CONSTRUCTION**

LOCATION: # 38 OCEAN AVENUE, HARWICH PORT, MA.  
 REFERENCE: ASSRS. MAP 4B-HI-2 L.C. PLAN 15063A  
 PREPARED FOR: NANCY HANTRON

SCALE: AS SHOWN DATE: FEB 9 2022  
 REV. 10/30/23  
**DAN A. SPEAKMAN CONSTRUCTION**  
 LAND SURVEYING & TITLE I ENGINEERING DIV.  
 15 SPEAK WAY, N. HARWICH, MA  
 508-232-5565



EXISTG. 2ND FLOOR (BASEMENT - CRAWL SPACE)  
 4) CONTRACTOR TO LOCATE, PUMP, FILL IN OR REMOVE OLD CESSPOOLS

7) INSTALL 40 MIL VINYL BARRIER ALONG EAST EXTER. WALL 15'; NLY WALL-29'; EAST WALL-6'; NLY WALL-8' + WLY WALL-10'; TOP OF BARRIER EL = 16.50 BOTTOM = TOP FOUND. FTG.

2) (CONT.) 40 MIL VINYL BARRIER TO ALSO EXTEND ALONG NLY R. FROM S TO SEPTIC TANK - SAME TOP & BOTTOM ELEVATIONS.

**LEGEND**  
 typ. existing spot elev. = 0.0  
 existing contour = \_\_\_\_\_  
 typ. prop. fin. spot elev. = 0.0  
 prop. fin. contour = \_\_\_\_\_  
 test hole location = \_\_\_\_\_

