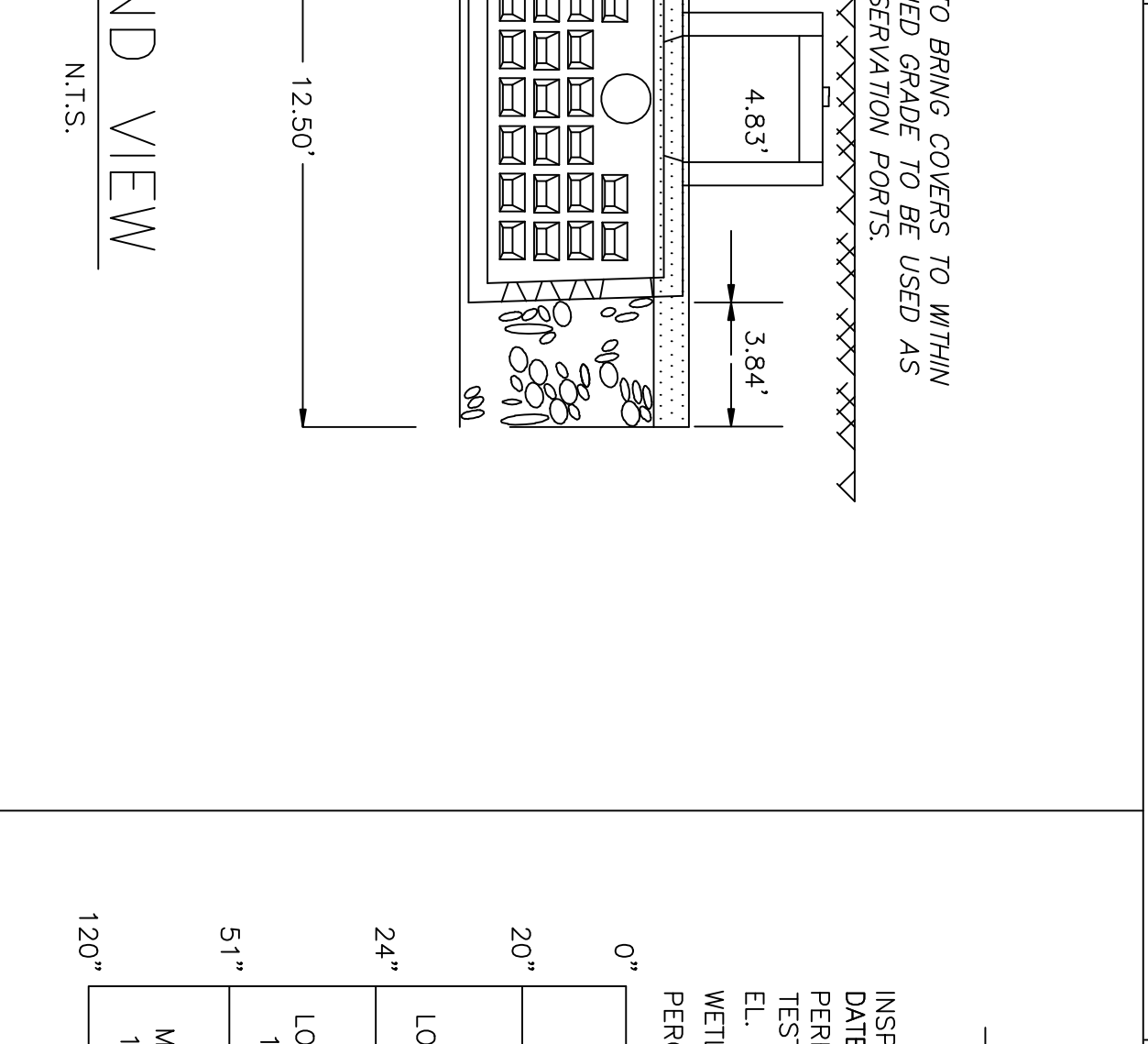
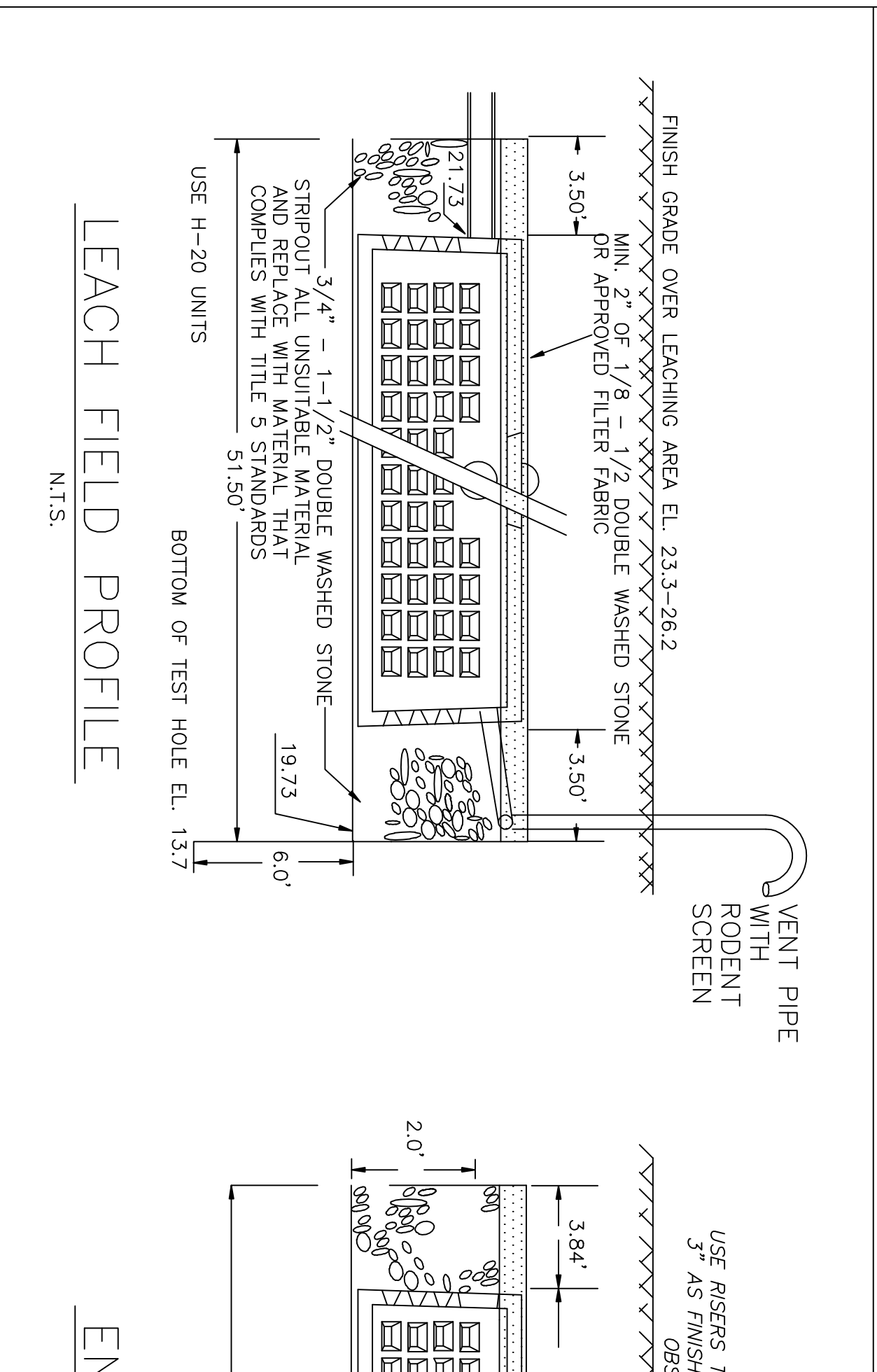


- NOTES:**
1. NO HEAVY EQUIPMENT OVER SYSTEM.
 2. DISTRIBUTION BOX TO BE PRECAST REINFORCED CONCRETE UNITS, WITH AN H-10 CAPACITY.
 3. ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH REVISED TITLE V OF THE STATE ENVIRONMENTAL CODE, MINIMUM REQUIREMENTS FOR THE SUBSURFACE DISPOSAL OF SANITARY SEWAGE.
 4. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND THE ENGINEER.
 5. AT THE COMPLETION OF CONSTRUCTION, PRIOR TO BACKFILLING, THE BOARD OF HEALTH AND ENGINEER SHALL BE NOTIFIED FOR INSPECTION.
 6. PITCH ALL SEWER LINES 1/4" PER FOOT.
 7. UNLESS INDICATED OTHERWISE.
 7. INSTALLER TO LOCATE ALL UTILITIES.
 8. INSTALLER TO PROVIDE AT LEAST ONE OBSERVATION PORT.
 9. INSTALLER TO CONTACT THIS FIRM TO CONFIRM SOIL CONDITIONS DURING SYSTEM INSTALLATION.
 10. ALL SEPTIC SYSTEM COMPONENTS TO BE CONFIRMED BY SURVEY INCLUDING BUT NOT LIMITED TO, THE BOTTOM OF LEACHING AREA, PIPE INVERTS, AND TOP OF STONE.
 11. ALL COVERS SHALL BE MARKED WITH A MAGNETIC MARKING TAPE.



TEST PIT DATA

INSPECTOR: TERRI GUARINO
 DATE: 06/28/18
 PERFORMED BY: J.E. LANDERS-CAULEY, P.E.
 TEST PIT # : 1
 EL. TOP = 23.7
 WETLAND EL. = 4.0
 PERC RATE = 5 MPI.

0"	HTM	
20"	O/A LOAMY SAND	
24"	B LOAMY SAND	
51"	C M-C SAND	ELEV. 19.5
120"	NO H2O NO MOTT.	

DESIGN DATA

CAPACITY REQUIRED
 RESIDENTIAL: 6 BEDROOM (110 GPD/BEDROOM) = 660 GPD
 TOTAL = 660 GPD MINIMUM

CAPACITY PROVIDED
 SYSTEM DESCRIPTION: 51.50' x 12.50' TRENCH WITH 4 @ 8.5' x 4.83' CHAMBERS WITH 2' OF SIDEWALL AREA
 SIDEWALL AREA: 256.00 SF
 BOTTOM AREA: 643.75 SF
 TOTAL DESIGN FLOW: 899.75 x .74 GAL/SF = 665.82 GPD

SEPTIC TANK
 660 GALS X 200% = 1,320 GALS. DESIGN CAPACITY
 PROPOSED 1,500 GALLON SEPTIC TANK

TOTALS
 TOTAL LEACHING AREA: 899.75 SF.
 TOTAL LEACHING CAPACITY: 665.82 GAL./DAY

SEPTIC SYSTEM NOTES

1. The contractor shall refer to and follow all manufacturer instructions and specifications for the installation of the pump and its components.
2. Where required the contractor will remove all loam, subsoil and other unsuitable material in the area beneath and for 2 feet on all sides of the leaching facility. The contractor shall replace all unsuitable material with clean coarse sand free from clay, fines or other unsuitable material. Replacement material to have an in-place perc rate of two minutes or less.
3. Subsurface septic system components shall not be back filled or otherwise concealed from view until a final inspection has been conducted by the approving authority and the ENGINEER. The final inspection shall include, but is not limited to, all septic system components, the audible alarm, the visual alarm and a pump cycle. 24 hour notice shall be given to the engineer for the final inspection.
4. Force main must be sloped to permit the complete discharge of effluent at the end of the pump cycle.

FIELD LAYOUT

DETAIL SHEET
 PREPARED FOR
 LAWRENCE R. COEN
 OF
 17 SCOTCH HOUSE COVE ROAD
 BOURNE, MA

J.E. LANDERS-CAULEY, P.E.
 CIVIL ENVIRONMENTAL ENGINEERING
 P.O. BOX 364 WEST PALMOUTH, MA 02574
 (508) 540 - 7733 ph.
 (508) 540 - 3344 fax

ASS.# 51.1-6.24.25
 SCALE: 1" = 30'
 JOB NO. 3341

DATE: 05/12/21
 DRAWN BY: JDR
 SHEET: 2 OF 2