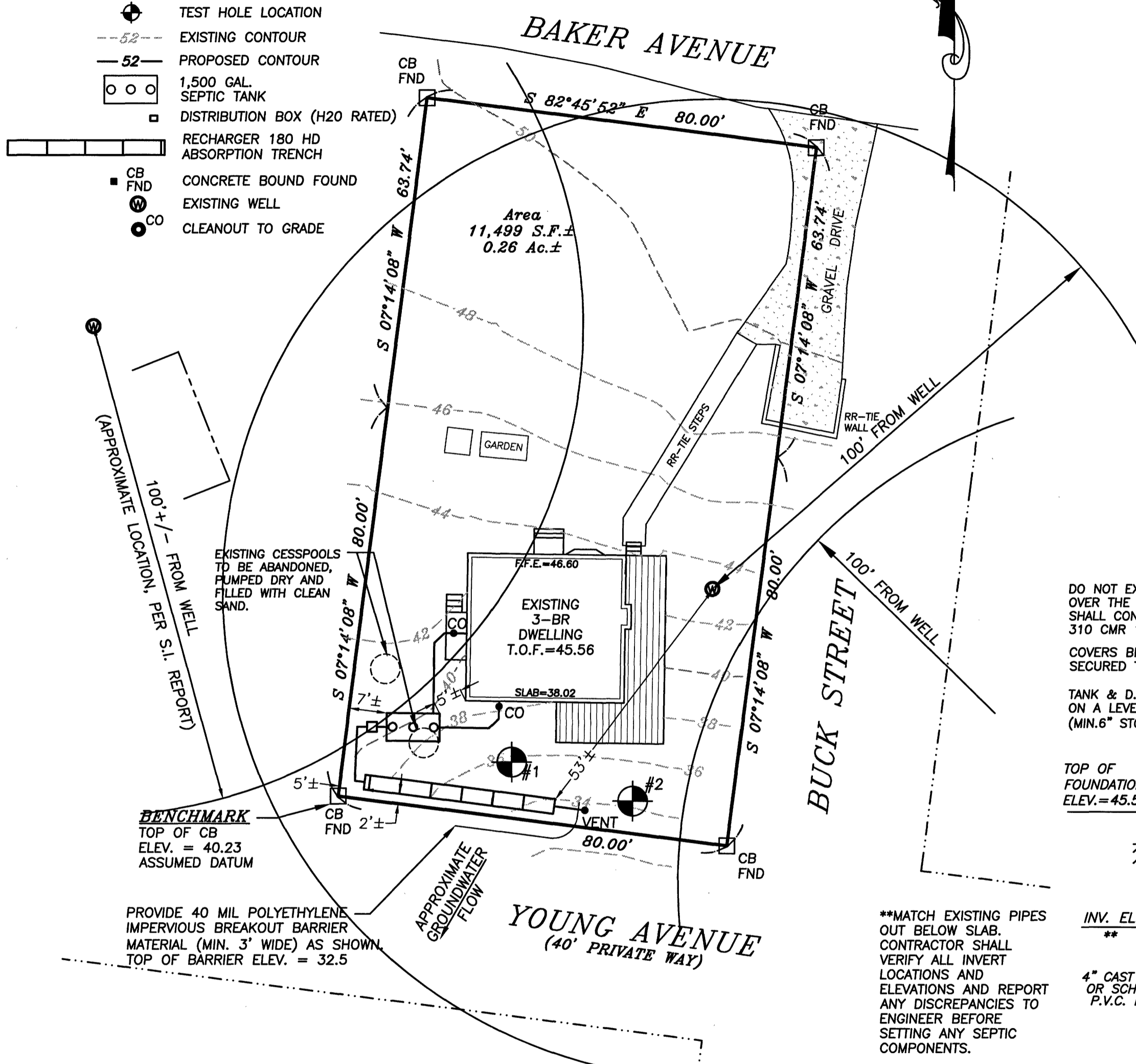
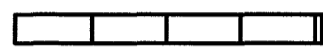


SITE PLAN

1" = 20'

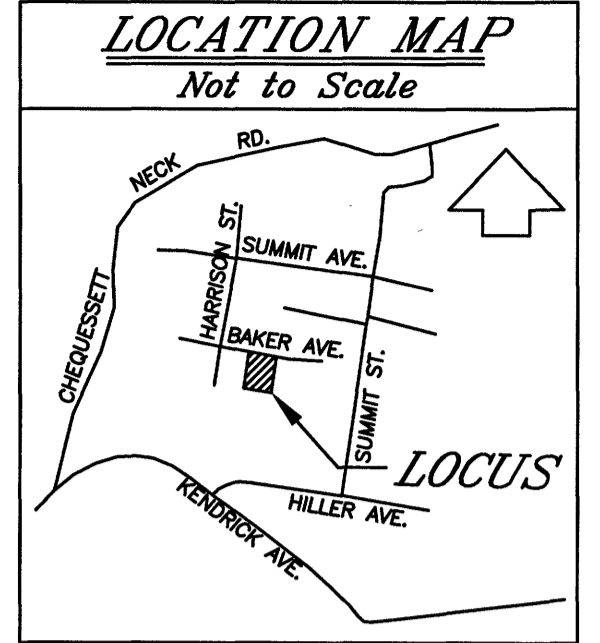
LEGEND

- TEST HOLE LOCATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- 1,500 GAL. SEPTIC TANK
- DISTRIBUTION BOX (H2O RATED)
- RECHARGER 180 HD ABSORPTION TRENCH
- CONCRETE BOUND FOUND
- EXISTING WELL
- CLEANOUT TO GRADE



GENERAL NOTES:

1. SYSTEM IS DESIGNED IN ACCORDANCE WITH "COMMONWEALTH OF MASS., DEPT. OF ENVIRONMENTAL PROTECTION, 310 CMR 15.00; THE STATE ENVIRONMENTAL CODE, TITLE 5: STANDARD REQUIREMENTS FOR THE SITING, CONSTRUCTION, INSPECTION, UPGRADE AND EXPANSION OF ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS" AND THE TOWN OF WELLFLEET REGULATIONS, EXCEPT AS NOTED.
2. NO WELLS OR WATER SUPPLIES ARE KNOWN TO EXIST WITHIN 100 FEET OF THE PROPOSED SOIL ABSORPTION SYSTEM, EXCEPT FOR THE LOCUS WELL. ALL WELLS KNOWN TO EXIST WITHIN 150 FT. OF THE SYSTEM ARE SHOWN.
3. PRIOR TO BACKFILLING COMPLETED SYSTEM, NOTIFY THE ENGINEER AND THE HEALTH DEPARTMENT FOR INSPECTION. PROVIDE 24 HOURS (MIN.) NOTICE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
5. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH.

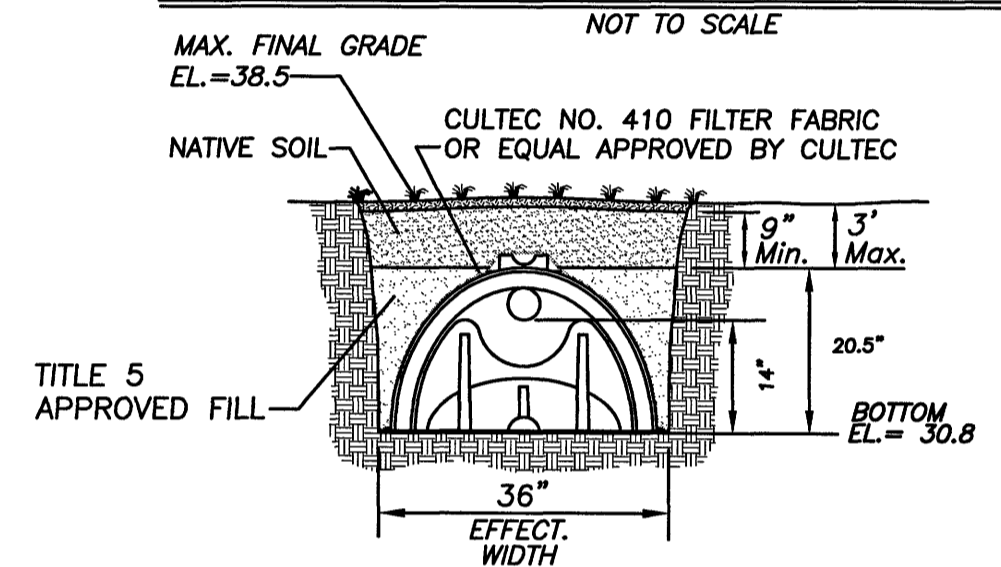


Reference
 Assr's Map 20, Pcl. 54
 Pl. Bk. 94, Pg. 155
 Pl. Bk. 537, Pg. 38

DESIGN DATA

NUMBER OF BEDROOMS: 3
 ESTIMATED DAILY EFFLUENT: 330 GPD
 TOTAL LEACHING AREA AS PROPOSED:
 6 UNITS = 39 LF
 39 LF x 8.9 SF/LF = 347.1 SF
 LEACHING CAPACITY AS PROPOSED:
 (EFFLUENT LOADING RATE = 0.74 GPD/SF)
 347.1 SF x 0.74 GPD/SF = 256 GPD
TOTAL = 256 G.P.D.
 (22% REDUCTION)

CULTEC RECHARGER 180-HD® TRENCH DETAIL



NOTE: "RECHARGER 180" SYSTEM SHALL BE INSTALLED BY A CONTRACTOR TRAINED BY CULTEC, INC. ON THE PROPER INSTALLATION OF THE SYSTEM.

DO NOT EXCEED A MAXIMUM OF 36" OF COVER OVER THE SYSTEM COMPONENTS. ALL COMPONENTS SHALL CONFORM TO SPECIFICATIONS CONTAINED IN 310 CMR 15.00.

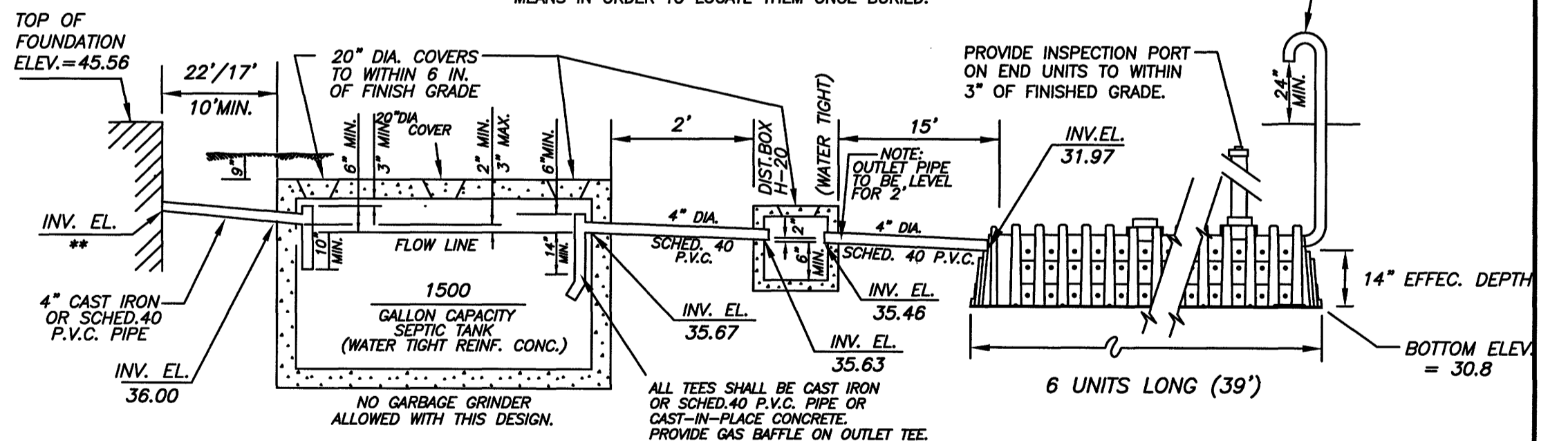
COVERS BROUGHT TO FINAL GRADE SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS.

TANK & D.BOX TO BE INSTALLED ON A LEVEL, STABLE BASE (MIN. 6" STONE BASE)

TYPICAL SYSTEM PROFILE

NOT TO SCALE

ALL COVERS AND INSPECTION PORTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.



TEST HOLE DATA

DATE OF TEST HOLES: 12/19/2022
 NO WATER ENCOUNTERED
 INSP. BY: D. QUINN (R&W), M. BALLINGER (HEALTH DEPT)

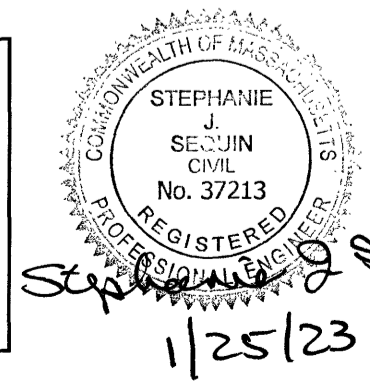
No. 1			
DEPTH (IN.)	SOIL HORIZON	SOIL TEXTURE	ELEVATION (FT.)
0 - 7	O	FIBRIC	35.7 - 35.1
7 - 20	FILL		35.1 - 34.0
20 - 26	A	LOAMY SAND	34.0 - 33.5
26 - 60	B	LOAMY SAND	33.5 - 30.7
60 - 144	C	MEDIUM SAND	30.7 - 23.7

No. 2			
DEPTH (IN.)	SOIL HORIZON	SOIL TEXTURE	ELEVATION (FT.)
0 - 3	O	FIBRIC	34.5 - 34.2
3 - 13	A	LOAMY SAND	34.2 - 33.4
13 - 40	B	LOAMY SAND	33.4 - 31.2
40 - 132	C	MEDIUM-FINE SAND	31.2 - 23.5

BOTTOM OF PERC AT 36" (B-LAYER) <2MIN./IN.

LOCAL UPGRADE APPROVAL IS REQUIRED TO ALLOW:

- PROPOSED SEPTIC TANK TO BE 5' FROM THE CELLAR WALL
- PROPOSED SEPTIC TANK TO BE 7' FROM THE WESTERLY LOT LINE
- PROPOSED SAS TO BE 5' FROM THE WESTERLY LOT LINE AND 2' FROM THE SOUTHERLY LOT LINE
- PROPOSED SAS TO BE 53' FROM THE EXISTING WELL
- CAPACITY OF THE PROPOSED SOIL ABSORPTION SYSTEM IS 256 GPD WHERE 330 GPD IS REQUIRED
- PROPOSED SAS TO BE 6' BELOW GRADE



PROPOSED ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM

Prepared for: Shirley & Steve Blanchard
 Location: 3064 Baker Avenue - Wellfleet, MA
 Ryder & Wilcox, Inc., P.E. & P.L.S.
 3 Giddiah Hill Rd.
 P.O. Box 439
 So. Orleans, MA, 02662
 Tel. (508) 255-8312
 Fax. (508) 240-2306

Scale: 1" = 20'
 Drawn by DJC
 Date - Jan. 25, 2023

Job No. 13062