

PLAN
SCALE: 1" = 30'

TOPOGRAPHY FROM APPROVED SUBDIVISION DATED 12/27/90

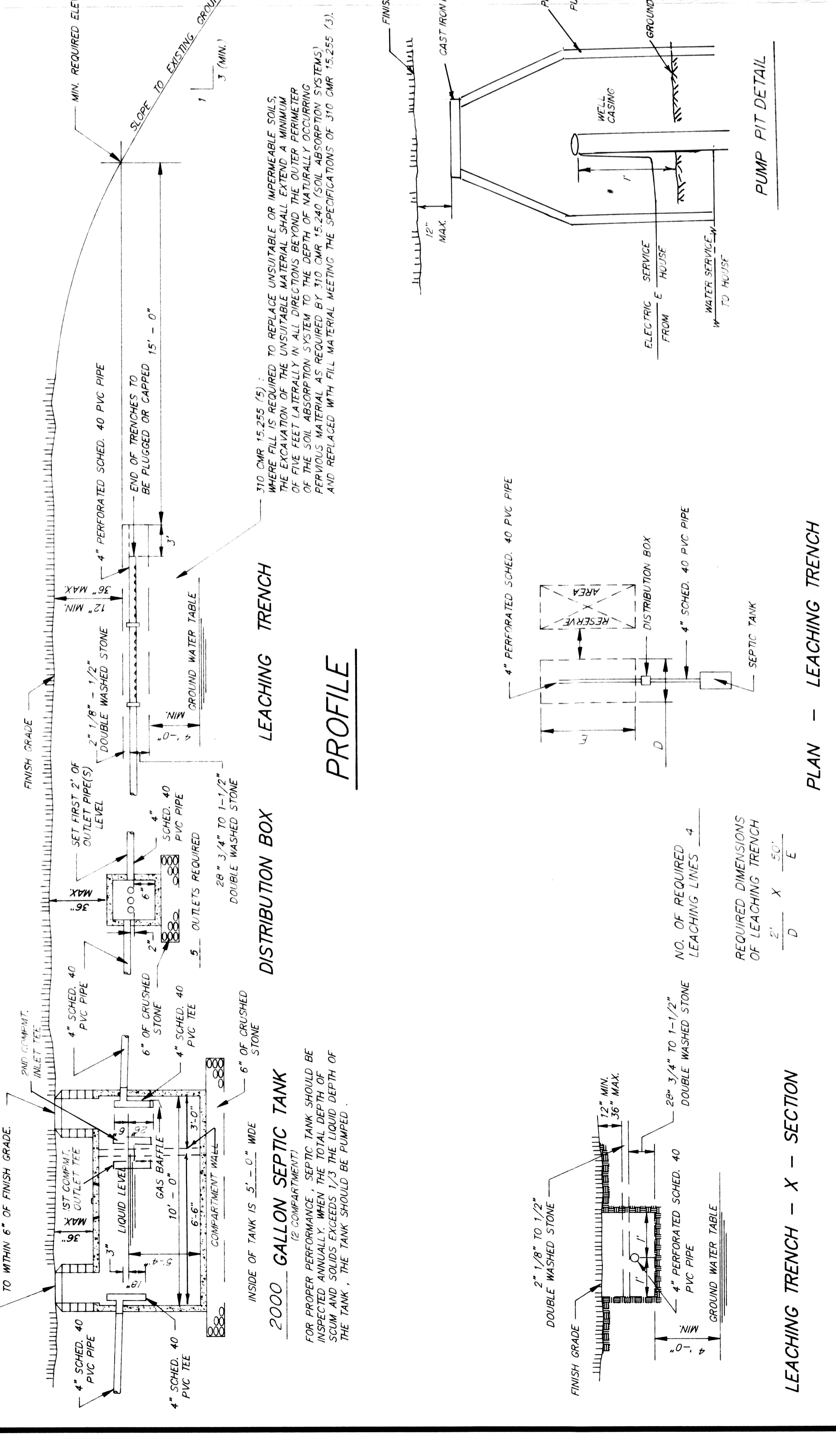
NICHOLAS P. COSMOPULOS 15 TURNSTONE LANE ON-SITE SANITARY DISPOSAL SYSTEM LOT 17	SEEKONK, MASS. ROBINCREST COURT SEEKONK, MASS.
FREEMAN ENGINEERING CO. A DIVISION OF HAYWARD-BOYNTON & WILLIAMS, INC. LAND SURVEYORS & CIVIL ENGINEERS 178 NORTH MAIN ST. ATTLEBORO, MASS.	DATE: SEPT. 29, 1998 DESIGNED BY: S.E.S. DRAWN BY: P.A.S. CHECKED BY: B.J.M./M.A.Y. APPROVED BY: TP2

REVISIONS

DATE	CHECKED	REVISION

REMARKS

- LOT HAS BEEN STAGED
- TYPE OF BUILDING: **SINGLE FAMILY**
- ASSESSOR'S PLAN NO. _____
- FLOOR: _____
- ZONING CLASSIFICATION: **R-4**
- MIN. SETBACKS: **F. 50'; S. 45'; R. 60';**
- 4' 3/4" EACH SIDE**
- OVERYONE
- LEGEND
- EXISTING CONTOURS: _____
- PROPOSED CONTOURS: _____
- EXISTING ELEVATION: _____
- PROPOSED ELEVATION: _____
- FINISHED SURFACE GRADE FLOW: _____
- TEST PIT LOCATION AND NUMBER: _____



PLAN - LEACHING TRENCH

PROFILE

LEACHING TRENCH X - SECTION

PUMP PIT DETAIL

LOCUS MAP
SCALE: 1" = 1000'

DESIGN ANALYSIS

REQUIRED: 5 BEDROOMS AT 110 GPD/BR = 550 GPD TOTAL EFFLUENT

LEACHING AREA DESIGN:

DESIGN PERC. RATE: 6 MIN./INCH CLASS. I SOIL

TOTAL AREA = 1650 SF x 6.0 GPD/SF = 9900 GPD

MIN. AREA REQUIRED = 9900 GPD / 6.0 GPD/SF = 1650 SF

SEPTIC TANK DESIGN:

DESIGN VOLUME = 2 x 550 GPD = 1100 GALLONS

REQUIRED: 5 COMPARTMENT 2000 GALLON TANK

DESIGN ELEVATION

TOP OF FOUNDATION	1615
FINISHED BASEMENT FLOOR	158.0
SEWER INVERT AT FOUNDATION	1612
SEWER INVERT INTO SEPTIC TANK	1612
SEWER INVERT INTO DISTRIBUTION BOX	1612
SEWER INVERT OUT OF DISTRIBUTION BOX	1610
SEWER INVERT AT END OF LEACHING TRENCH	159.80
ELEVATION OF GROUND WATER TABLE (TAKEN FROM TEST PIT NUMBER 21)	153.8

NOTE: LEACHING AREA REQUIREMENT IS INCREASED BY 50% PERMIT THEREFORE THE DESIGN OF THIS SYSTEM DOES NOT PERMIT THE USE OF GARAGE DISPOSAL UNITS.
NO PERMANENT STRUCTURES SHALL BE CONSTRUCTED OVER THE RESERVE AREA.

SOIL EXAMINATION REPORT
AND WITNESSED BY M. MELLO BOARD OF HEALTH AGENT ON 5-23-99

TEST PIT #	DEEP OBSERVATION HOLE LOG		DEEP OBSERVATION HOLE LOG	
	DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	DEPTH FROM SURFACE (INCHES)	SOIL HORIZON
21	0-24"	TOB. B. (S. 18-20)		
	24-36"	SAND & GRAVEL (S. 17)		
22	0-24"			
	24-36"			

TEST PIT #	GROUND SURFACE ELEVATION	PERC. TEST TAKEN AT RATE	OBSERVED DEPTH TO GROUND WATER	DESIGN DEPTH TO GROUND WATER
21	1612	4-5.5" / 6 MIN./20'	30" ON GROUND WATER	30"
22				