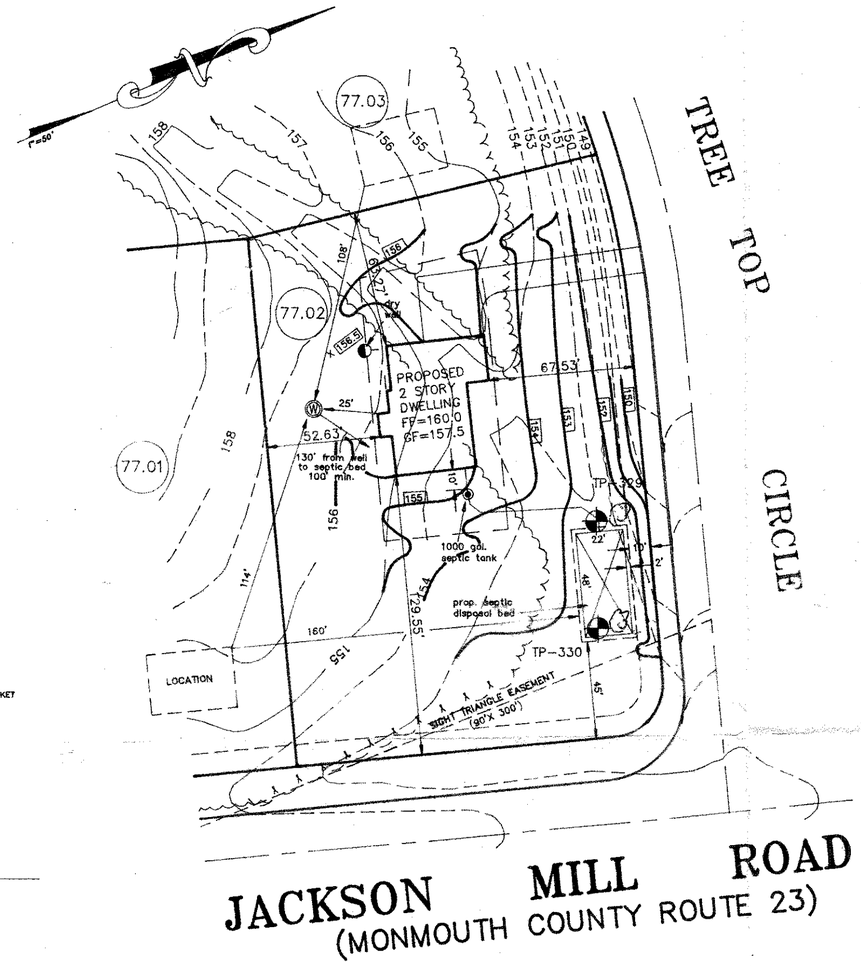


Test Pit # 329 Date: 3/26/96 Elev. 162.6 Freehold Tovoship Project: Equity Builders Witness: Tracey Jensen

Soil Description (Depths in inches)

0 to 5	Organic matter
5 to 19	Light gray (10 YR 6/1) Sand; single grain, moist loose, 2% fine gravel;
19 to 21	Spoadic Layer
21 to 38	Brownish-yellow (10 YR 6/8) Loamy Sand; weak subangular blocky; moist friable; 5% fine gravel;
38 to 43	Olive yellow (2.5 Y 6/6) coarse Sand; single grain; moist friable; 3% fine gravel;
43 to 48	Dark brown (7.5 YR 3/4) fine-medium Loamy Sand; moderate subangular blocky; moist friable;
48 to 72	Brownish-yellow (10 YR 6/8) Loamy Sand to Sandy Loam moderate subangular blocky; moist friable; few medium pockets of: fine-medium Sand; 10% fine gravel;
72 to 89	Brownish-yellow (10 YR 6/8) gravelly fine Loamy Sand; weak crumb; moist friable; 50% fine gravel;
89 to 102	Brownish-yellow (10 YR 6/8) coarse Loamy Sand; and fine gravel; single grain; moist loose; few medium pockets of: Pale yellow (5 Y 7/4) Sand: single grain; moist loose;
102 to 122	Brownish-yellow (10 YR 6/8) fine Loamy Sand; moderate platy; moist friable; common, medium, distinct White (5 Y 8/1) and Light red (2.5 YR 6/8) mottles

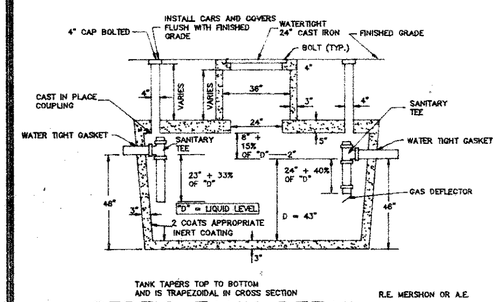
Test Pit # 330 Date: 3/26/96 Elev. 162.3 Witness: Tracey Jensen

Soil Description (Depths in inches)

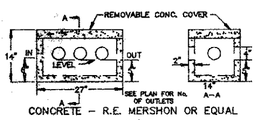
0 to 6	Organic matter
6 to 20	Gray (2.5 Y 6/1) moderate subangular blocky; single grain; moist loose; 2% fine gravel,
20 to 22	Spoadic Layer
2 to 37	Brownish-yellow (10 YR 6/8) medium Loamy Sand; weak subangular blocky; moist friable; 10% fine-medium gravel;
37 to 75	Pale yellow (5 Y 8/4) medium Loamy Sand; weak crumb; moist friable; 10% fine-medium gravel; few medium pockets of: Reddish-yellow (7.5 YR 6/8) Sandy Loam; moderate subangular blocky; moist friable; 10% fine-medium gravel;
75 to 106	Brownish-yellow (10 YR 6/8) medium gravel; and fine Loamy Sand; weak crumb; moist friable; 50% fine-medium gravel;
106 to 117	Brownish-yellow (10 YR 6/8) fine Loamy Sand; moderate platy; moist friable; common, medium, distinct Pale yellow (2.5 Y 8/3) and White (5 Y 8/1) mottles
117 to 127	Brownish-yellow (10 YR 6/8) fine Loamy Sand; moderate platy; moist friable; common medium lenses of: White (2.5 Y 8/2) moderate subangular blocky; single grain, moist loose;

GENERAL NOTES:

1. OUTBOUND AND TOPOGRAPHIC SURVEY BY CREST ENGINEERING ASSOC.
2. SOIL LOGS PERFORMED BY CREST ENGINEERING ASSOCIATES & WITNESSED BY THE LOCAL HEALTH DEPT.
3. SOIL SUITABILITY CLASS: IIHc
4. DESIGN DATA:
   A. BEDROOMS 4 = 650 GALLONS A DAY
   B. PERMEABILITY RATE = 6.20IN/HR = 1.61 S.F./GAL.
   C. AREA REQUIRED = 1046.5 S.F.
   D. AREA PROVIDED = 1056 S.F
5. SELECT FILL CRITERIA (WHERE APPLICABLE)
   SELECT FILL SHALL MEET THE FOLLOWING CRITERIA:
   A) PERMEABILITY FROM 6–20 INCHES PER HOUR
   B) CONTENT OF COARSE FRAGMENT (PARTICALS GREATER THAN 2 mm IN SMALLEST DIMENSION): LESS THAT 15% BY VOLUME OR 25% BY WEIGHT.
   C) TEXTURAL ANALYSIS (COMPOSITION, BY WEIGHT, OF SIZE FRACTION PASSING THE 2 mm SIEVE): 85–95% SAND, 5–15% SILT & CLAY, MINIMUM 2% CLAY. SAND, SILTY AND CLAY ARE THE PARTICAL SIZE FRACTIONS OR "SOIL SEPARATES" AS DEFINED IN THE U.S.D.A. SYSTEM OF SOIL CLASSIFICATION.
   COMPACTION: FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS OF ONE FOOT OR LESS IN THICKNESS. COMPACTION SHALL BE ACCOMPLISHED BY TAMPING, ROLLING OR PUDDLING.
6. SELECT FILL OR COMPACTION SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER.
7. ALL CONSTRUCTION AND EXCAVATION SHALL BE WITNESSED BY THE FREEHOLD HEALTH DEPT.
8. LEVEL OF INFILTRATION SHALL BE CERTIFIED BY THE ENGINEER PRIOR TO THE PLACEMENT OF STONE. A VERBAL APPROVAL BY THE ENGINEER MUST BE RECEIVED BY THE HEALTH DEPARTMENT BY 9:30 a.m. ON OR BEFORE THE DAY OF SCHEDULED PIPE INSPECTION.
9. "AS-BUILT" DRAWINGS MUST BE RECEIVED BY THE HEALTH DEPARTMENT PRIOR TO FINAL CERTIFICATION OF THE SYSTEM. "AS-BUILT" INFORMATION MUST BE OBTAINED PRIOR TO FINAL BACKFILLING OF TANK AND DISTRIBUTION BOX.



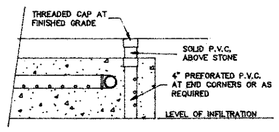
SEPTIC TANK DETAIL
CAPACITY = 1,000 GALS.
n. t. s.



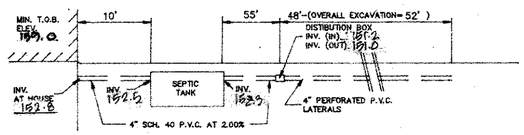
CONCRETE – R.E. MERSHON OR EQUAL
n. t. s.

DISTRIBUTION BOX

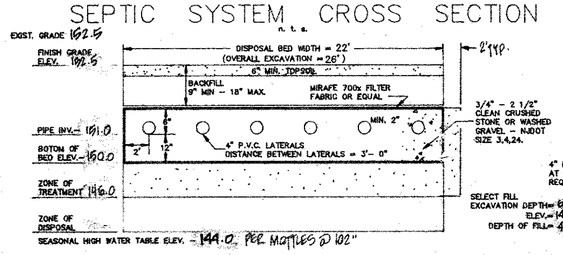
DIST. BOXES SHALL BE WATERTIGHT & CONSTRUCTED OF SOUND AND DURABLE MATERERIALS WHICH WILL RESIST DECAY OR CORROSION BY SULPHURIC ACID, FROST DAMAGE, CRACKING OR BUCKLING DUE TO BACKFILLING OR OTHER ANTICIPATED STRESS.



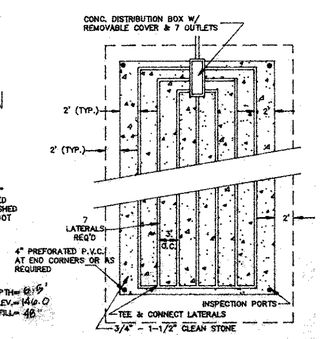
INSPECTION PORT
n. t. s.



SEPTIC SYSTEM CROSS SECTION
n. t. s.



DISPOSAL BED TYPE = SOIL REPLACEMENT
n. t. s. FILL ENCLOSED



TYPICAL DISPOSAL BED LAYOUT
n. t. s.

ZONING REQUIREMENTS

ITEM	REQUIRED	PROVIDED
MIN. LOT AREA	40,000 S.F.	44,172 S.F.
MIN. FRONT SETBACK	65'/100'	67.53'/129.55'
MIN. SIDE SETBACK	30'	63.27'
MIN. REAR SETBACK	50'	52.63'

NO	DESCRIPTION	DATE	D/C

CREST
Engineering Associates Inc.
· PROFESSIONAL ENGINEERS & PLANNERS ·
· LAND SURVEYORS · LANDSCAPE ARCHITECTS ·

☐ CREST PROFESSIONAL PLAZA
P.O. BOX 1210 STATE HWY. 33
HIGHTSTOWN, N.J. 08520
(609) 448-5550

12 ROBBINS PKWY. ☒
AT WATER STREET
TOMS RIVER, N.J. 08753
(908) 244-0888

PETER W. STRONG, P.E.
N.J. LIC. No. 22370

DATE 6/2/97
SCALE H= V= 1"=50'
DRAWN JCM
CHECKED
SHEET 1 OF 1
POCKET

LOT 77.02
BLOCK 98
FREEHOLD TOWNSHIP
MONMOUTH COUNTY NEW JERSEY

SEPTIC SYSTEM PLAN AND PLOT PLAN

FILE N-2895
DWG. NO.