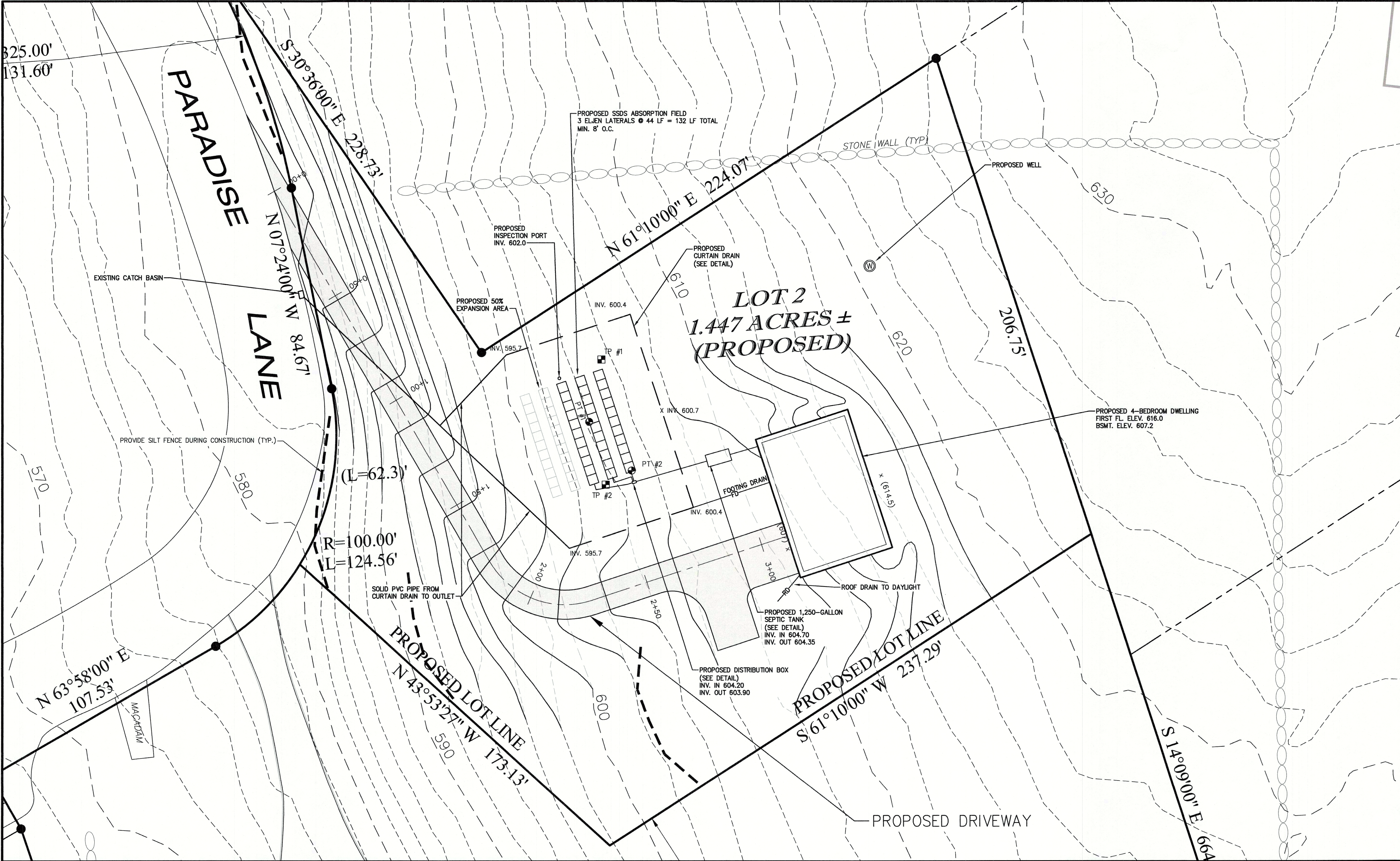




TEST PIT RESULTS

TEST PIT 1
DATE: 11/26/19 (PRIOR TO CURTAIN DRAIN TRENCH INSTALLATION)
WITNESSED BY FUSCO ENGINEERING FOR THE TOWN OF CHESTER

DEPTH	DESCRIPTION
0'-10"	TOPSOIL
10'-66"	SILT LOAM WITH SOME GRAVEL & COBBLES. INCREASING BOULDERS WITH DEPTH

DEPTH OF PIT: 66"
GROUNDWATER: SEEPAGE AT 12", STANDING WATER AT 52"
BEDROCK: NONE ENCOUNTERED
MOTTLING: NONE ENCOUNTERED

TEST PIT 2
DATE: 11/26/19 (PRIOR TO CURTAIN DRAIN TRENCH INSTALLATION)
WITNESSED BY FUSCO ENGINEERING FOR THE TOWN OF CHESTER

DEPTH	DESCRIPTION
0'-10"	TOPSOIL
10'-66"	SILT LOAM WITH SOME GRAVEL & COBBLES

DEPTH OF PIT: 66"
GROUNDWATER: SEEPAGE AT 14", STANDING WATER AT 58"
BEDROCK: NONE ENCOUNTERED
MOTTLING: AT 14"

PERCOLATION TEST RESULTS

PERC TEST 1, 24" DEEP (AFTER CURTAIN DRAIN TRENCH INSTALLATION)
DATE: 1/21/20
WITNESSED BY FUSCO ENGINEERING FOR THE TOWN OF CHESTER

RUN	START	FINISH	ELAPSED TIME
1	10:34:58	10:41:06	6:08
2	10:43:05	10:53:30	10:25
3	11:06:47	11:19:46	12:59
4	11:21:15	11:35:11	13:56

STABILIZED PERCOLATION RATE: 13.9 MINUTES/INCH

PERC TEST 2, 24" DEEP (AFTER CURTAIN DRAIN TRENCH INSTALLATION)
DATE: 1/21/20
WITNESSED BY FUSCO ENGINEERING FOR THE TOWN OF CHESTER

RUN	START	FINISH	ELAPSED TIME
1	10:34:20	10:44:10	9:50
2	10:48:15	11:07:20	21:05
3	11:08:40	11:32:52	24:12
4	11:33:50	11:55:30	21:40
5	11:57:32	12:26:12	28:40
6	12:27:30	12:56:26	28:56

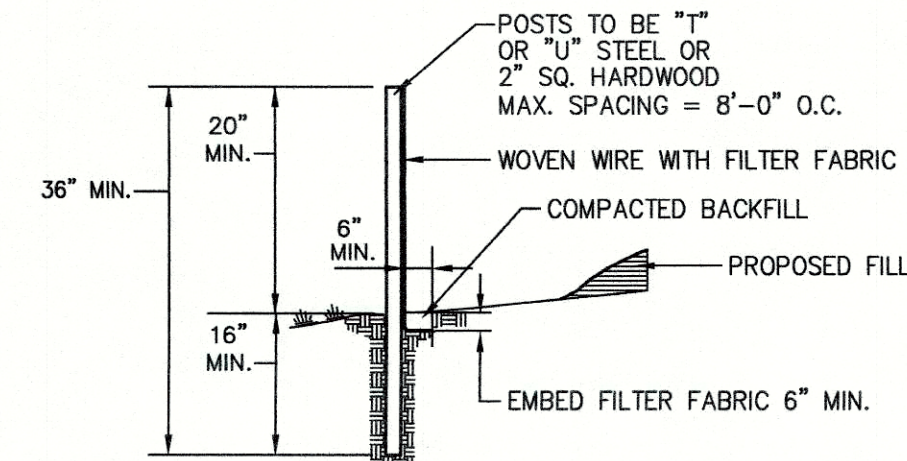
STABILIZED PERCOLATION RATE: 28.9 MINUTES/INCH

SEWAGE DISPOSAL SYSTEM DESIGN CRITERIA

- PROPOSED NUMBER OF BEDROOMS: 4
- DESIGN FLOW = 4 BEDROOMS @ 110 GPD / BR = 440 GPD
- SIZE OF SEPTIC TANK: 1250 GALLONS
- DESIGN PERCOLATION RATE: 21-30 MINUTES / INCH
- REQUIRED LENGTH OF ELJEN ABSORPTION FIELD = 122 LF
- PROPOSED LENGTH OF ELJEN ABSORPTION FIELD = 3 LINES @ 44 LF = 132 LF
- PROPOSED EXPANSION AREA: 2 LINES @ 44 LF = 88 LF

SOIL EROSION NOTES

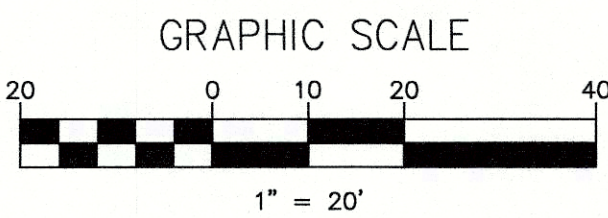
- SILT FENCE BARRIERS SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- DISTURBANCE TO BE LIMITED TO THE MINIMUM NECESSARY FOR THE GRADING AND CONSTRUCTION OF THE DWELLING, DRIVEWAY, LAWN, UTILITIES, ETC.
- TEMPORARY SEEDING WITH ANNUAL RYE GRASS OR OTHER RAPID GROWING MIXTURE SHALL BE PERFORMED ON DISTURBED SOIL REMAINING VACANT FOR MORE THAN ONE MONTH AS FOLLOWS:
 - SEED WITH ANNUAL RYEGRASS (2.5 LBS. PER 1,000 SQ. FT.)
 - MULCH WITH STRAW (90 LBS. PER 1,000 SQ. FT.)
- ALL DISTURBED AREAS TO BE MULCHED TO PREVENT EROSION, THE CONTRACTOR SHALL COMPLY WITH ALL REQUESTS OF THE TOWN ENGINEER OR BUILDING INSPECTOR DURING CONSTRUCTION WITH REGARD TO EROSION CONTROL DEVICES.
- EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY, AS FOLLOWS:
 - LOOSEN SEVERELY COMPACTED AREAS BY DISCING TO 12" DEPTH.
 - FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 FERTILIZER (20 LBS. PER 1,000 SQ. FT.)
 - SEED WITH THE FOLLOWING MIXTURE AT 5 LBS. PER 1,000 SQ. FT.:
 - 50% KENTUCKY BLUEGRASS
 - 25% MANHATTAN RYE GRASS
 - 25% PENNLAWN CREEPING RED FESCUE
 - MULCH WITH SALT HAY OR STRAW (90 LBS. PER 1,000 SQ. FT.)



SILT FENCE DETAIL
N.T.S.

NOTES:

- WHERE TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- SILT FENCE FABRIC TO BE MIRAFI 100X OR APPROVED EQUAL.
- WOVEN WIRE FENCE (MIN. 14.5 GAUGE, MAX 6" MESH SPACING)



GRAPHIC SCALE

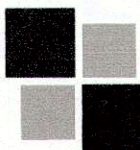
LEGEND

- EXISTING TOPOGRAPHY
- PROPOSED TOPOGRAPHY
- PROPERTY LINE
- ADJOINING PROPERTY LINE
- SILT FENCE DURING CONSTRUCTION
- PERCOLATION TEST
- DEEP TEST PIT

KNEBEL SUBDIVISION

SECTION 17, BLOCK 1, LOT 41
TOWN OF CHESTER
ORANGE COUNTY, NEW YORK

LOT 2 PLAN



LEHMAN & GETZ, P.C.

CONSULTING ENGINEERS

PH. 845-986-7737 FAX 845-986-0245

17 RIVER STREET WARWICK, NEW YORK 10990

DAVID A. GETZ, P.E.

N.Y.S. LIC. No. 61265

DRAWN BY	CHECKED BY	SCALE	JOB NO.	SHEET NO.
P.R.P.	D.A.G.	1" = 20'	480.17	2 OF 3