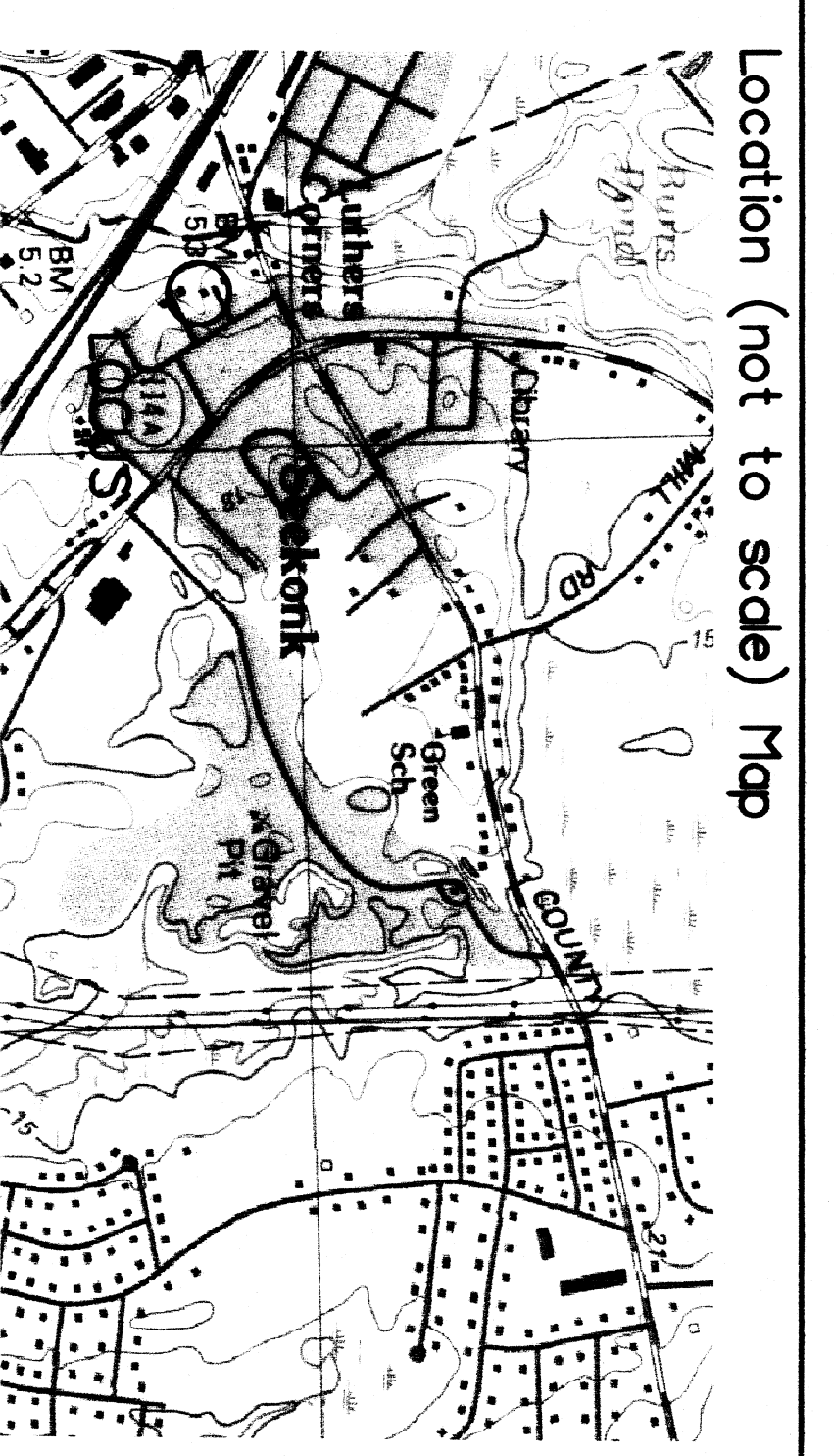
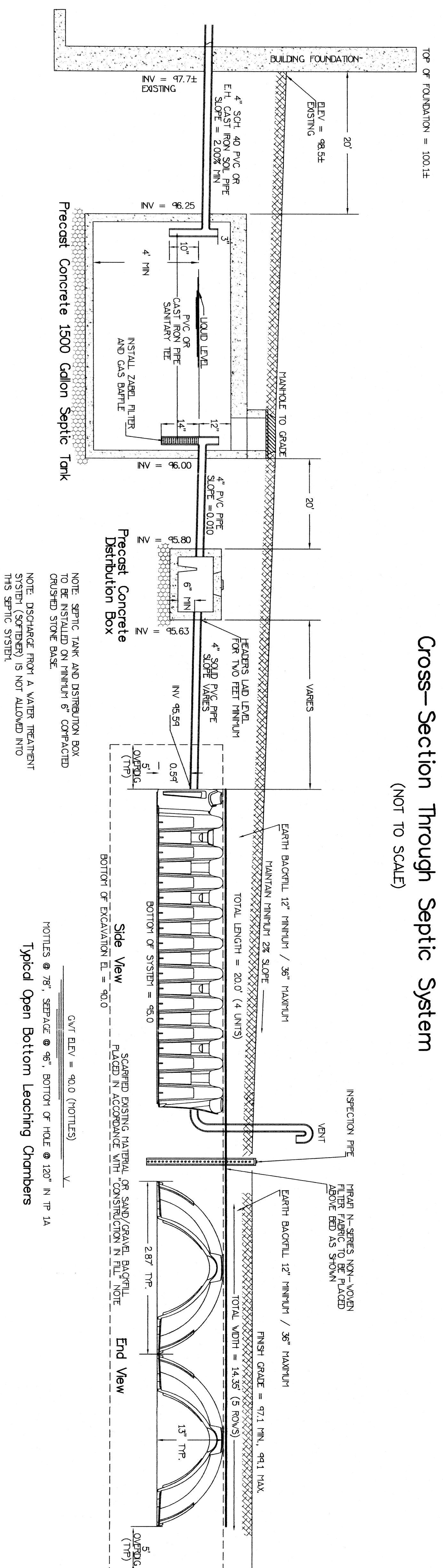


Cross-Section Through Septic System (NOT TO SCALE)



Notes & Specifications

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 CMR 15.00 (11E V) OF THE COMMONWEALTH OF MASSACHUSETTS AND THOSE OF THE BOARD OF SEWERAGE AND WATERWORKS OF THE COMMONWEALTH OF MASSACHUSETTS. THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH & DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

1500 GALLON SEPTIC TANK AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY BRISTOL COUNTY PRECAST, INC. OR APPROVED EQUAL OPEN BOTTOM LEACHING CHAMBERS SHALL BE STANDARD DUTY DESIGN BY ADS, MANUFACTURER OF APPROVED EQUAL.

ALL PIPING SHALL BE 4" DIA. SCH. 40 NSF PVC, WITH ALL JOINTS SEALED WATER-TIGHT. ALL STONE SHALL BE DOUBLE WASHED AND FREE OF ROOTS, CLAY OR FINES AND SHALL BE SATISFACTORY TO THE TOWN OF SEEROK BOARD OF HEALTH.

THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A CEMETERY DISPOSAL OR OTHER HIGH WATER USE SITES.

THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE COVE OF INFLUENCE OF ANY RAINFALL WELLS NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIAL) OF THE PROPOSED SYSTEM.

EXCAVATE ALL TOP, SID AND ANY OTHER SOILS ENCOUNTERED DOWN INTO THE EXISTING GRAVEL RESERVE AREA TO THE PROPOSED SYSTEM. EXCAVATION SHALL BE TO THE TOP OF THE PROPOSED SYSTEM. BACKFILL TO EXISTING GRAVEL RESERVE AREA WITH SET-UP-SITE OR OTHER DELICIOUS SUBSTANCES AND HEAVY THE SPEC SIZE REQUIREMENTS OF 30 OR 15250(3) & (5) (CONSTRUCTION IN FULL).

ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON ASSUMED DATUM.

MAGNETIC LOCATION TAPE TO BE PLACED OVER SEPTIC SYSTEM COMPONENTS IN ACCORDANCE WITH 310 CMR 15.22 (12).

Requested Variances

NO VARIANCES REQUESTED FOR THIS INSTALLATION.

Design Data

Average Daily Sewage Flow (gallons)
EXISTING 1 BEDROOM DWELLING
PROPOSED 3 BEDROOM DWELLING @ 110 GPD PER BEDROOM = 330 GPD

Septic Tank Sizing (gallons)
3 BEDROOM DWELLING (1500 GALLON) = 660 GALLONS
3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM).

Leaching Area Calculation
30L CLASS 1 (SAND)
PERC IN TP 1 WAS 3.7%
PERC IN TP 2 WAS 1.8%
DESIGN FOR 3 TP1/TP1 THIE V

Required Minimum Leaching Area:
AP = 330 GPD / 0.74 = 446 SF MINIMUM
TP1: OPEN BOTTOM LEACHING CHAMBERS
446 SF / 480 SF/TF OF CHAMBER = 0.9 TF OF CHAMBERS
5 ROWS OF 4 CHAMBERS @ 5.0 LF EACH = 100 LF OF CHAMBERS
DESIGN = 100 LF > REQUIRED = 93 LF OK

Septic System Design Plan

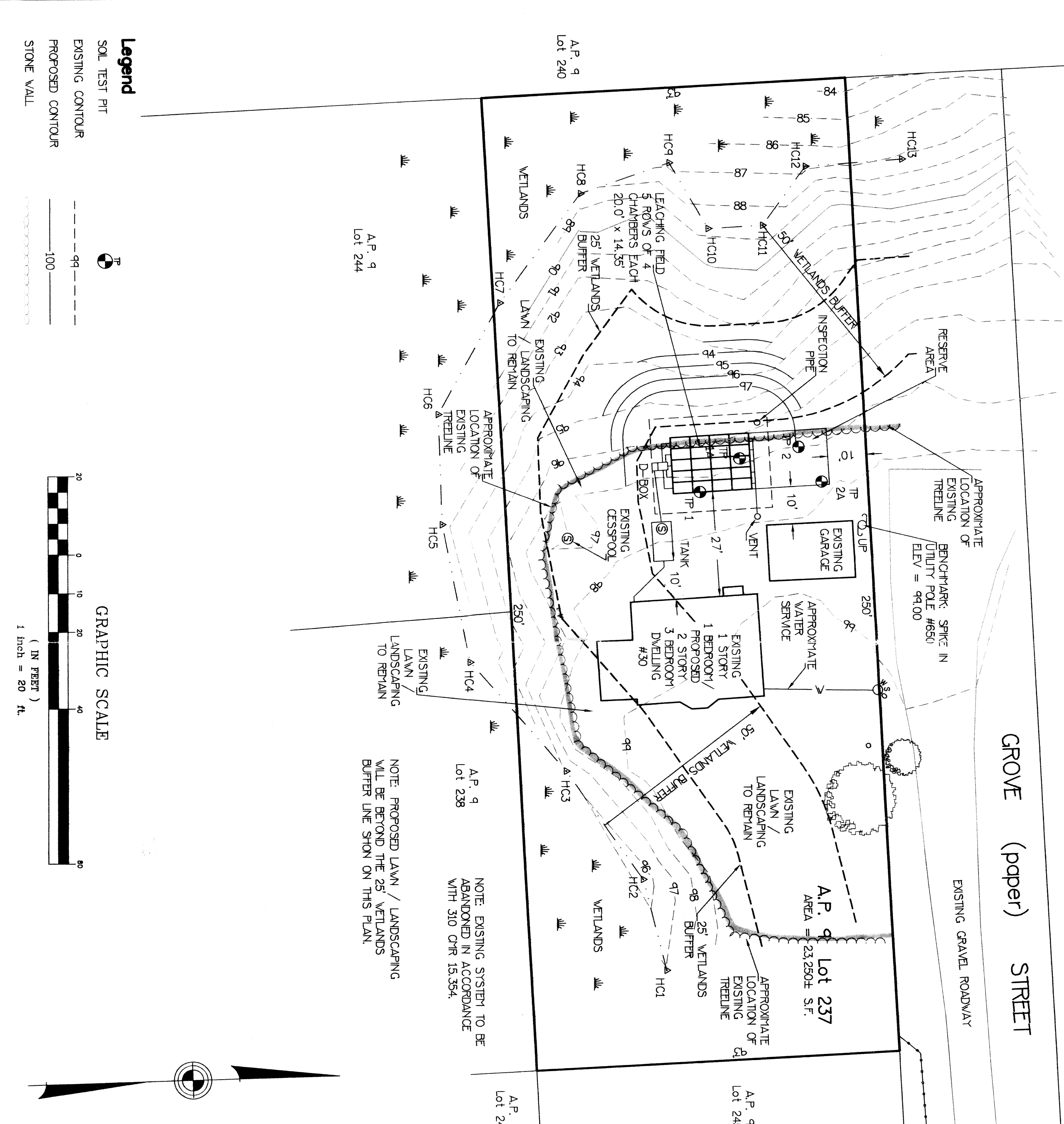
AP, 9 Lot 237
30 Grove Street, Seekonk, Massachusetts
PREPARED FOR
Victor Dasiva
57 Jillion Way, Westport, Massachusetts 02790

PREPARED BY
Pro-Line Engineering, Inc.
City/Environmental Engineering & Land Surveying
190 CHAMBERS NEXT ROAD, SWANSEA, MA 02777
PHONE 508/672-3337 FAX 508/672-3307
EMAIL: PROLINEENR@COMCAST.NET

Date: August 8, 2012
Revised: September 17, 2012
Scale: 1" = 20'
Con Com Comments

RECEIVED
SEP 17 2012
SEWERAGE & WATERWORKS
COMMISSION

RECEIVED
SEP 17 2012
SEWERAGE & WATERWORKS
COMMISSION



Location Address of Lot No. **30 Grove Street**
03182 SOIL EVALUATION FORM
DATE: 8/22/12
PROJECT: 30 GROVE STREET

DEPTH OBSERVATION HOLE LOG	DEPTH OBSERVATION HOLE LOG				
<p>Location Address of Lot No. 30 Grove Street 03182 SOIL EVALUATION FORM DATE: 8/22/12 PROJECT: 30 GROVE STREET</p> <table border="1"> <thead> <tr> <th>DEPTH OBSERVATION HOLE LOG</th> <th>DEPTH OBSERVATION HOLE LOG</th> </tr> </thead> <tbody> <tr> <td> <p>0' - 18" B 19" - 36" S 37" - 54" C</p> </td> <td> <p>0' - 24" A 25" - 36" B 37" - 54" C</p> </td> </tr> </tbody> </table>	DEPTH OBSERVATION HOLE LOG	DEPTH OBSERVATION HOLE LOG	<p>0' - 18" B 19" - 36" S 37" - 54" C</p>	<p>0' - 24" A 25" - 36" B 37" - 54" C</p>	<p>0' - 18" B 19" - 36" S 37" - 54" C</p>
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Location Address of Lot No. **30 Grove Street**
03182 SOIL EVALUATION FORM
DATE: 8/22/12
PROJECT: 30 GROVE STREET

PERCOLATION TEST
Date: 08-28-12 Time: 9:00
Observation Hole # 1
Depth of Hole 6'00" @ 6'
Start Time 9:40
End Time 10:20
Time at 12" 9:50
Time at 18" 10:20
Time at 24" 10:20
Time at 30" 10:20
Time at 36" 10:20
Time at 42" 10:20
Time at 48" 10:20
Time at 54" 10:20
Time at 60" 10:20
Rate (in./hr) 3