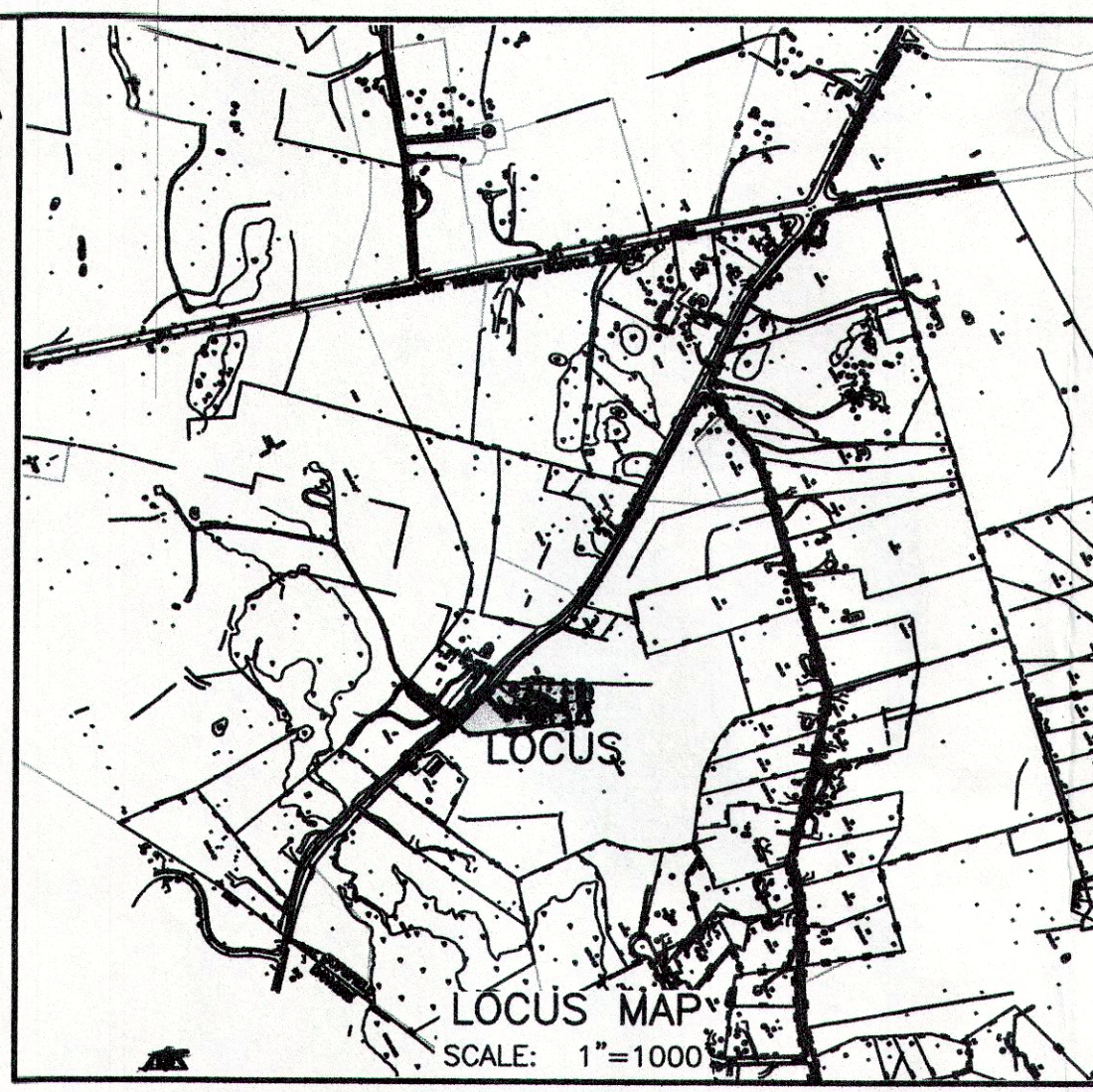
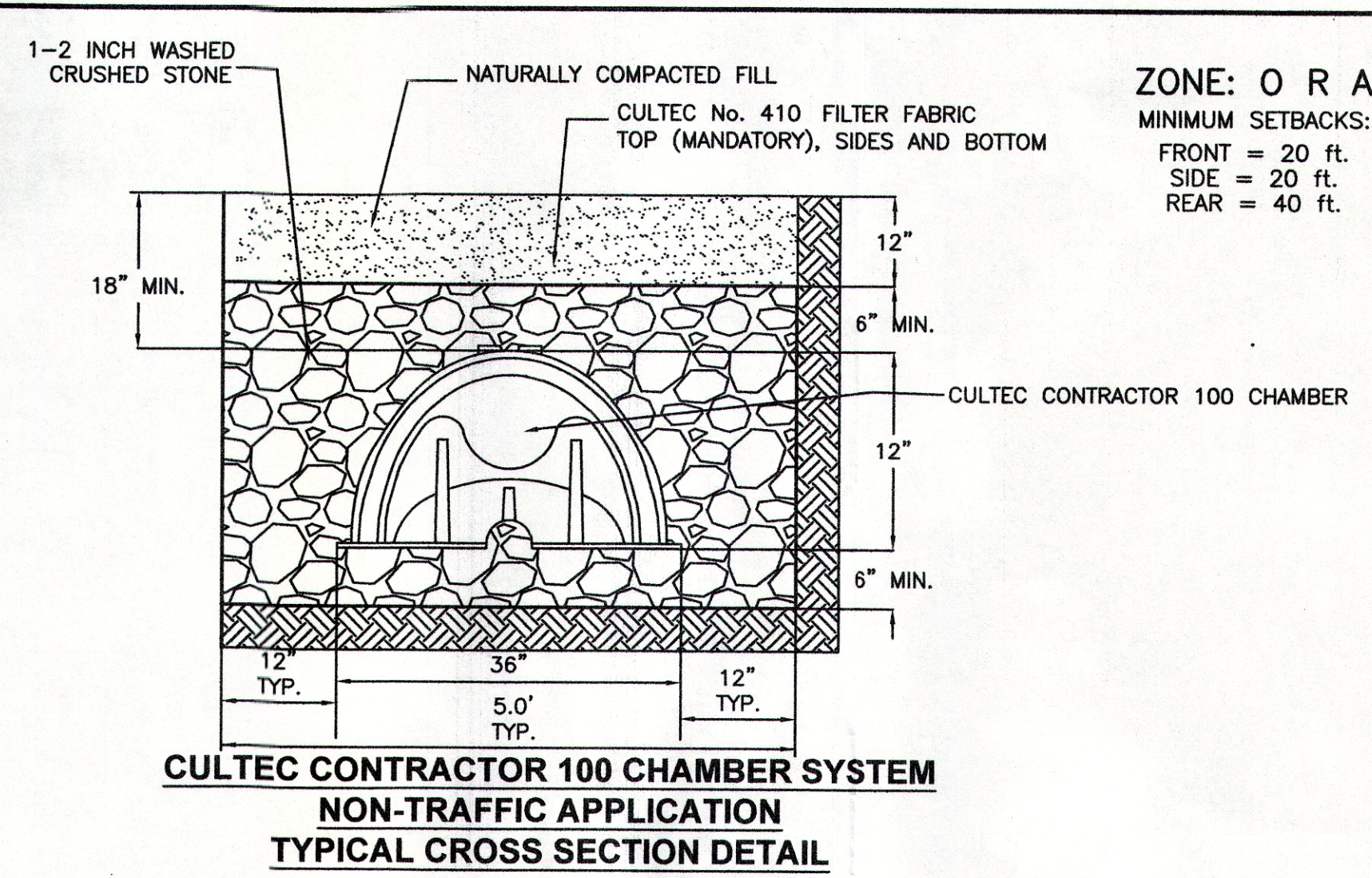
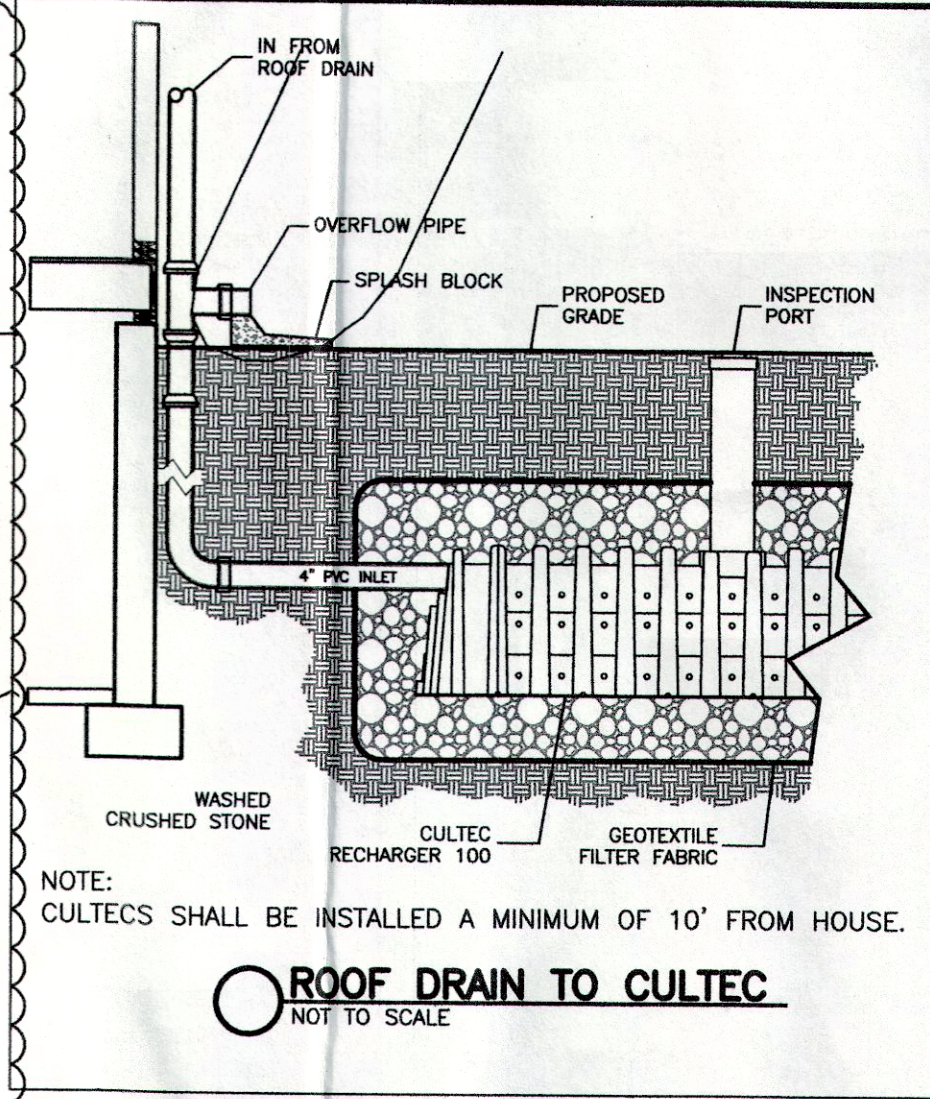
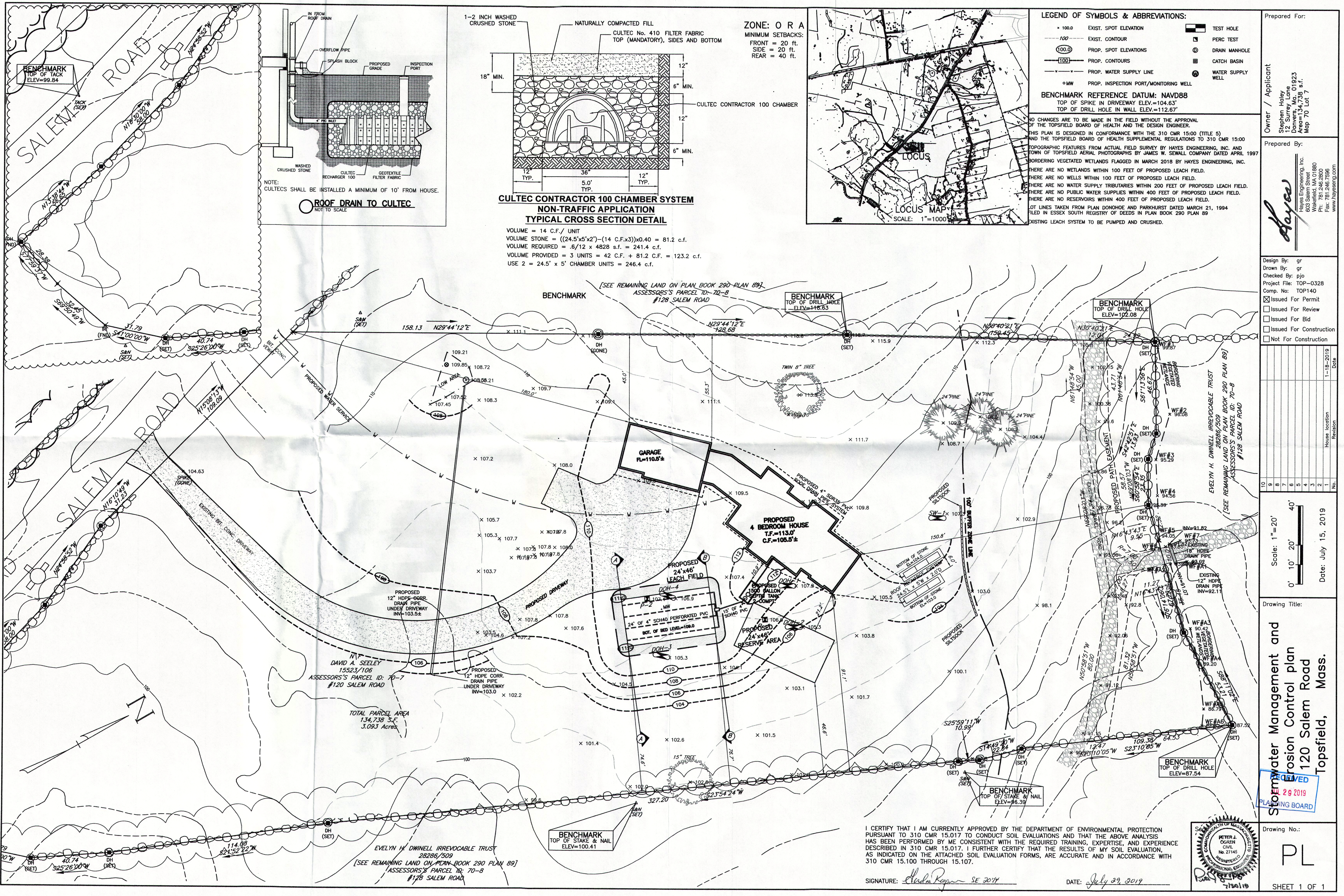




**LEGEND OF SYMBOLS & ABBREVIATIONS:**

- 100.0 EXIST. SPOT ELEVATION
- 100 EXIST. CONTOUR
- 100.0 PROP. SPOT ELEVATIONS
- 100 PROP. CONTOURS
- 9 MW PROP. WATER SUPPLY LINE
- 9 MW PROP. INSPECTION PORT/MONITORING WELL
- TEST HOLE
- PERC TEST
- DRAIN MANHOLE
- CATCH BASIN
- WATER SUPPLY WELL

**BENCHMARK REFERENCE DATUM: NAVD88**  
TOP OF SPIKE IN DRIVEWAY ELEV.=104.63'  
TOP OF DRILL HOLE IN WALL ELEV.=112.67'

NO CHANGES ARE TO BE MADE IN THE FIELD WITHOUT THE APPROVAL OF THE TOPSFIELD BOARD OF HEALTH AND THE DESIGN ENGINEER.

THIS PLAN IS DESIGNED IN CONFORMANCE WITH THE 310 CMR 15.00 (TITLE 5) AND THE TOPSFIELD BOARD OF HEALTH SUPPLEMENTAL REGULATIONS TO 310 CMR 15.00.

TOPOGRAPHIC FEATURES FROM ACTUAL FIELD SURVEY BY HAYES ENGINEERING, INC. AND TOWN OF TOPSFIELD AERIAL PHOTOGRAPHS BY JAMES W. SEWALL COMPANY DATED APRIL 1997.

BORDERING VEGETATED WETLANDS FLAGGED IN MARCH 2018 BY HAYES ENGINEERING, INC.

THERE ARE NO WETLANDS WITHIN 100 FEET OF PROPOSED LEACH FIELD.

THERE ARE NO WELLS WITHIN 100 FEET OF PROPOSED LEACH FIELD.

THERE ARE NO WATER SUPPLY TRIBUTARIES WITHIN 200 FEET OF PROPOSED LEACH FIELD.

THERE ARE NO PUBLIC WATER SUPPLIES WITHIN 400 FEET OF PROPOSED LEACH FIELD.

THERE ARE NO RESERVOIRS WITHIN 400 FEET OF PROPOSED LEACH FIELD.

LOT LINES TAKEN FROM PLAN DONOHUE AND PARKHURST DATED MARCH 21, 1994 FILED IN ESSEX SOUTH REGISTRY OF DEEDS IN PLAN BOOK 290 PLAN 89.

EXISTING LEACH SYSTEM TO BE PUMPED AND CRUSHED.

Prepared For: Stephen Haley, 12 Surrey Lane, Danvers, MA 01923, Area=134,738 s.f., Map 70 Lot 7

Owner / Applicant: Stephen Haley

Prepared By: Hayes Engineering, Inc., 603 Salem Street, Salem, MA 01970, Phone: 781.246.7596, Fax: 781.246.7596, www.hayeseng.com

Design By: gr  
Drawn By: gr  
Checked By: pjo  
Project File: TOP-0328  
Comp. No: TOP140  
☒ Issued For Permit  
☐ Issued For Review  
☐ Issued For Bid  
☐ Issued For Construction  
☐ Not For Construction

| No. | House location | Revision | Date      |
|-----|----------------|----------|-----------|
| 1   |                |          | 1-18-2019 |

Scale: 1"=20'  
0' 10' 20' 40'

Date: July 15, 2019

Drawing Title: Somerwater Management and Position Control plan 120 Salem Road Topsfield, Mass.

Drawing No.: PL

SHEET 1 OF 1

PLANNING BOARD

29 2019

7/30/19

PETER J. GOREN CIVIL No. 27145 REGISTERED PROFESSIONAL ENGINEER

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED SOIL EVALUATION FORMS, ARE ACCURATE AND IN ACCORDANCE WITH 310 CMR 15.100 THROUGH 15.107.

SIGNATURE: *Charles Rogers* SE 2019 DATE: July 29, 2019