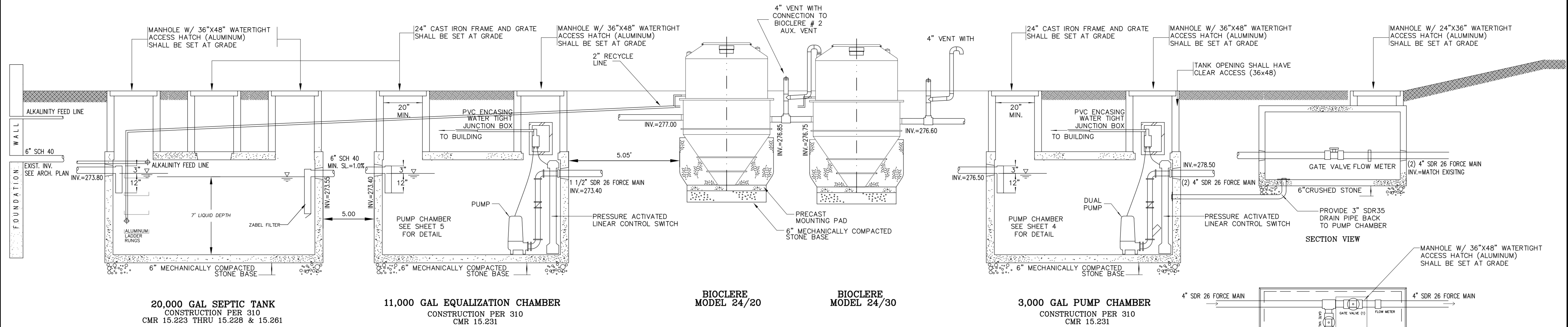


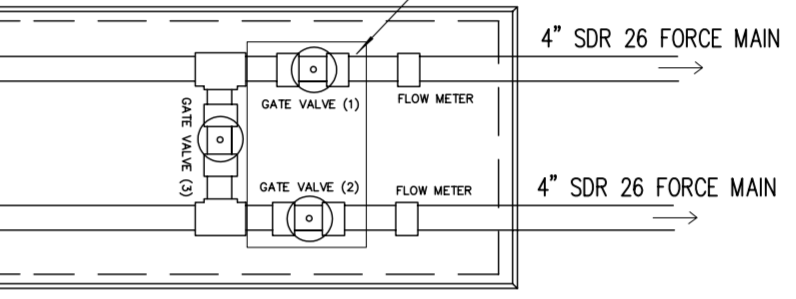
PROFILE OF SYSTEM – MAIN SYSTEM

NOT TO SCALE



NORMAL OPERATION
 * VALVES 1 AND 2 OPEN
 * VALVE 3 SHUT

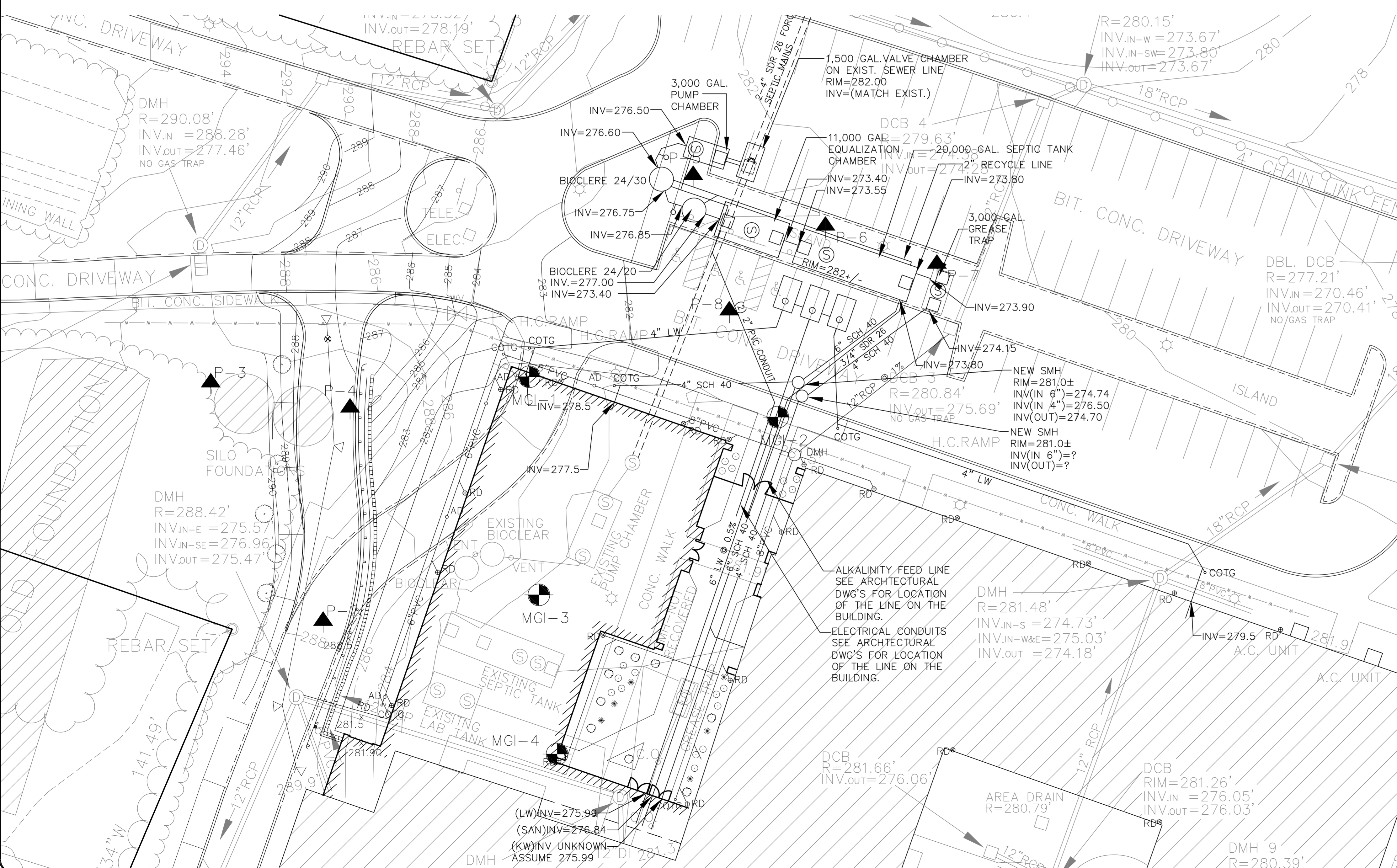
EMERGENCY OPERATION
 * VALVE 3 OPEN
 * VALVES 1 AND 2 MANUALLY OPEN & SHUT ON ALTERNATE CYCLES



1,500 VALVE CHAMBER
 CONSTRUCTION PER 310
 CMR 15.231

GENERAL NOTES

- ALL CONSTRUCTION TO CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS D.E.P. HEALTH SANITARY CODE, TITLE FIVE, AND THE TOWN OF SOUTHBOROUGH BOARD OF HEALTH.
- PERCOLATION TESTS PERFORMED IN ACCORDANCE WITH THE INSTRUCTIONS OF THE MASSACHUSETTS D.E.P. SANITARY CODE TITLE FIVE, 310 CMR 15.00.
- ESTIMATED FLOW = 5 BEDROOMS @ 110 GPD = 550 GPD
- DESIGN PERCOLATION RATE = 7 MPI (CLASS II SOIL) - 0.68 gal/sf
- LEACHING AREA REQUIRED = 550 GPD / (0.68 gal/sf) = 809 sf
 LEACHING AREA INCREASED BY 50% (GARBAGE GRAINDER) = 809 x 1.5 = 1,213 sf
 LEACHING AREA PROVIDED = BED (16 ft wide x 80 ft long) = 1,280 sf



DATE: _____

No.	Date	Description

Prepared for:
 TOWN OF SOUTHBOROUGH SCHOOL DISTRICT
 ALGONQUIN REGIONAL HIGH SCHOOL
 79 BARTLETT STREET
 NORTHBOROUGH, MA 01532

Property of:
 TOWN OF SOUTHBOROUGH SCHOOL DISTRICT
 ALGONQUIN REGIONAL HIGH SCHOOL
 79 BARTLETT STREET
 NORTHBOROUGH, MA 01532

Prepared By: (508) 626-0063
 Fax: (508) 875-6440
MWE Civil Engineers & Land Surveyors
 MetroWest Engineering, Inc.
 75 Franklin Street
 Frammingham, MA 01702

Robert A. Gemma P.E. #31967
 Date: _____

Project Title:
PROPOSED SEPTIC SYSTEM UPGRADE
 TROTTER SCHOOL
 SOUTHBOROUGH, MA 01772

Sheet Title:
PLAN & PROFILE

SCALE 1"=20'
 DRAWN CEF
 CHECKED CEF
 FILE NAME SEPTIC.DWG
 PROJECT SB_NEARY
 ISSUE DATE NOVEMBER 10, 2001
 JOB NO. SB_NEARY