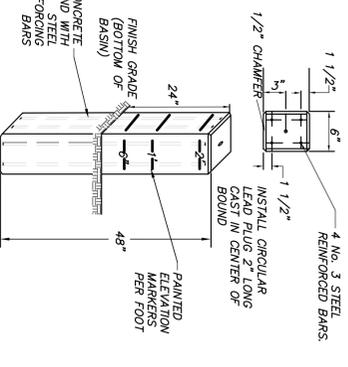
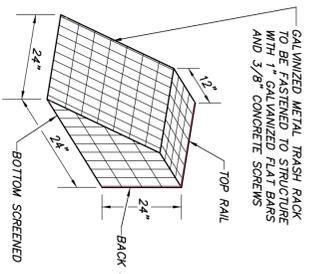


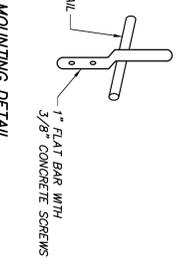
CLASS 70" CEMENT CONCRETE SHALL BE USED FOR SILT MARKER POSTS



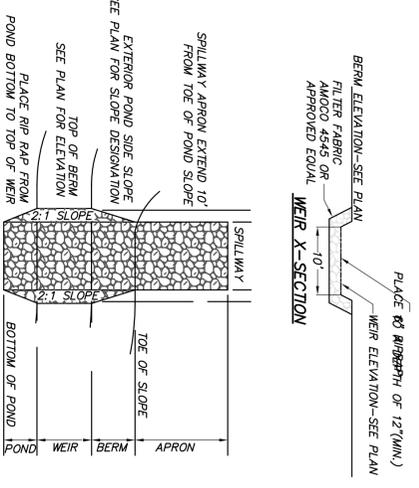
SILT MARKER POST (NOT TO SCALE)



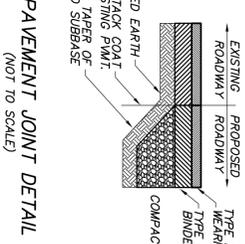
TRASH RACK DETAIL (NOT TO SCALE)



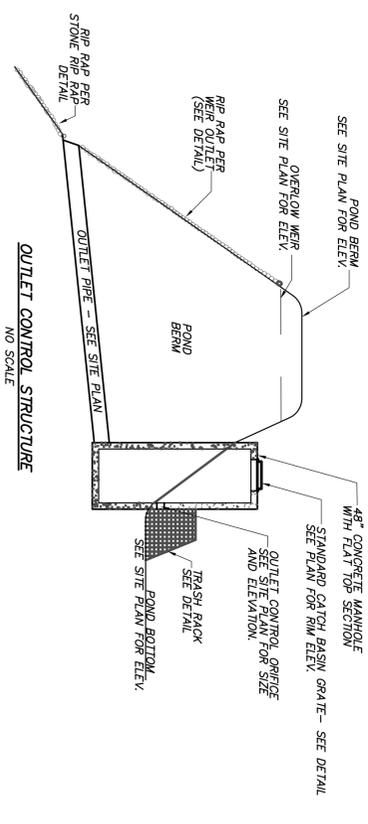
MOUNTING DETAIL



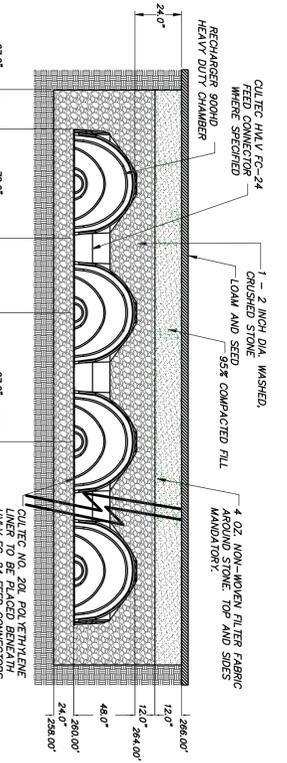
EMERGENCY WEIR OUTLET (NOT TO SCALE)



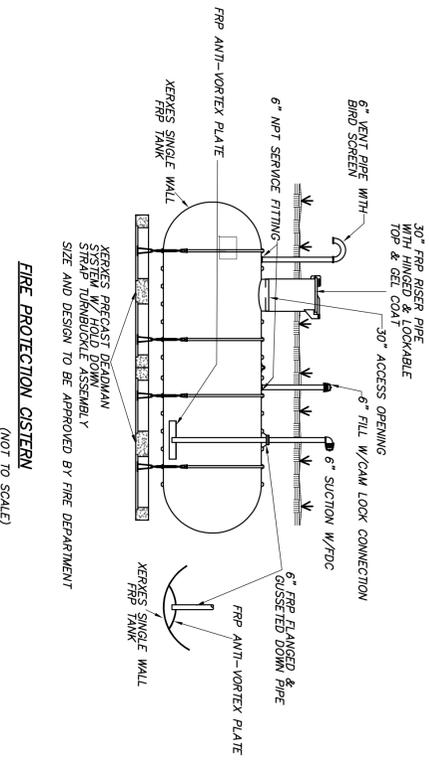
PAVEMENT JOINT DETAIL (NOT TO SCALE)



OUTLET CONTROL STRUCTURE NO SCALE



CULTEC BED SECTION DETAIL NO SCALE

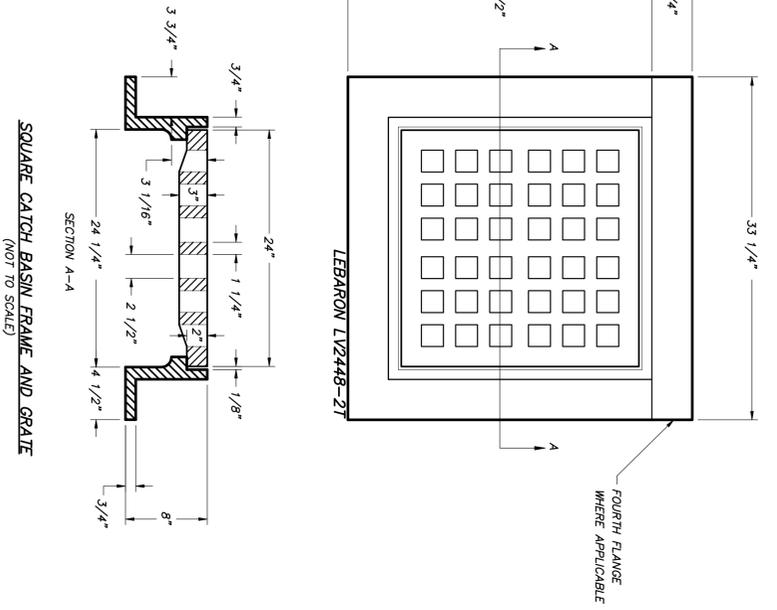


FIRE PROTECTION SYSTEM (NOT TO SCALE)

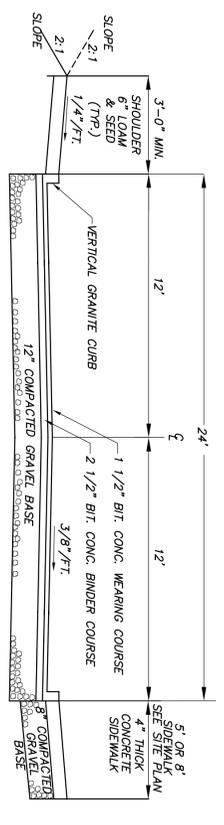
The parking lot shall have a slope of 3/8 inch per foot and shall be paved with SMA&B Section 460-Class 1 bituminous concrete (asphalt) pavement. The paving shall consist of a binder course of 2 1/2 inches compacted measure. The top course shall have 1 1/2 inches compacted measure. Compaction shall be performed with a minimum ten-ton roller or a vibratory roller. When vibratory rollers are used for the compaction of base and binder material they shall be operated at a high amplitude setting and a low-frequency setting in the range of 1,500 to 1,700 vibrations per minute (VPM). When used for the compaction of surface courses, they shall be operated at a low amplitude setting of a minimum frequency setting of at least 2,200 VPM or higher. The temperature of the mix, within a tolerance of plus or minus 15° when delivered at the project site, will be governed by the temperature of the base upon which the mix is placed as follows:

BASE TEMP UPON WHICH MIX IS PLACED (DEG FARENHEIT)	UNCOMPACTED MEASURE THICKNESS (INCHES)	3" OR MORE
35-40	1"	2"
40-50	1.5"	2.5
50-60	3.0	3.0
60-70	3.0	2.5
70-80	2.5	2.5
80-90	2.5	2.0
90 +	2.0	2.0

- The installation of the bituminous concrete shall be performed with a self-propelled mechanical spreader and a ten-ton roller.
- The contact surface of manholes, catch basins and other appurtenant structures in pavement and abutting pavement of existing roads shall be painted thoroughly with a thin uniform coating of bitumen (Specification RS-1) just before any bituminous concrete mixture is placed against them.
- Bituminous concrete shall be placed and compacted only at such times as to permit the proper inspection and checking by the Board or its agent.
- The placement of bituminous concrete pavement shall terminate November 15 and shall not be resumed prior to April 1 except as determined and directed, in writing, by the Board or its designated agent depending upon the necessity and emergency of attendant conditions, weather conditions and location of the project.



SQUARE CATCH BASIN FRAME AND GRATE (NOT TO SCALE)



PAVING SECTION VIEW (NOT TO SCALE)

- Cement concrete shall meet the requirements specified as M4.02.00 (Air Entrained 4000 psi, 3/4 inch, 610) in the Massachusetts Standard Specifications for Highways and Bridges.
- In constructing all concrete sidewalks, the material shall be removed for the full width of the sidewalk to a subgrade of at least 12 inches below the approved finished grade. The foundation shall consist of at least eight inches of good binding gravel or crushed stone, thoroughly rolled and compacted to the satisfaction of the Board or its designated agent, and shall be brought to grade four inches below the approved finished grade.
- The concrete sidewalk shall be four inches in depth and shall have welded steel wire fabric conforming to AASHTO M55 located at mid-depth.
- The forms shall be well staked and thoroughly groded and set to the established lines.
- The concrete shall be placed in alternate slabs 30 feet in length except as otherwise approved. The slabs shall be separated by transverse preformed expansion joint filler 1/2 inch in thickness (M9.14.0).
- The surface of all concrete sidewalks shall be uniformly scored into block units of areas not more than 36 square feet. The depth of scoring shall be at least 1/4 of the thickness of the sidewalk.
- After troweling, the surface shall be brushed to produce a nonslip surface.
- When completed, the works shall be kept moist and protected from traffic and weather for at least three days.
- Ramps for the handicapped shall be provided at all intersections, driveways and at the end of all dead-end streets. They shall conform to the Architectural Access Board current regulations (521 CMR), and the Americans with Disabilities Act (ANSI A117.1) current regulations.

APPROVED BY
GROTON PLANNING BOARD

THIS SITE PLAN APPROVAL DOES NOT NECESSARILY INDICATE COMPLIANCE WITH THE GROTON ZONING BYLAW

DATE _____

#	DATE	REVISION	COMMENT



2-21-14

DATE: 2/21/14

COPYRIGHT 2013, MARKEY & RUBIN INC.

DETAIL SHEET
NEW ENGLAND SHIRDI SAI PARIVAAR TEMPLE
BOSTON ROAD (RTE 119) GROTON
719 GREAT ROAD LITTLETON

NESSP INC.
290 LITTLETON ROAD UNIT 4
CHELMSFORD
MASSACHUSETTS

360 MASSACHUSETTS AVE, SUITE 202
ACTON, MASSACHUSETTS 01720
P(978) 264-4600 F(978) 263-0447
www.MarkeyAndRubin.com

Markey & Rubin
CIVIL ENGINEERING

D2

SHEET 11 OF 17

JOB# 5041