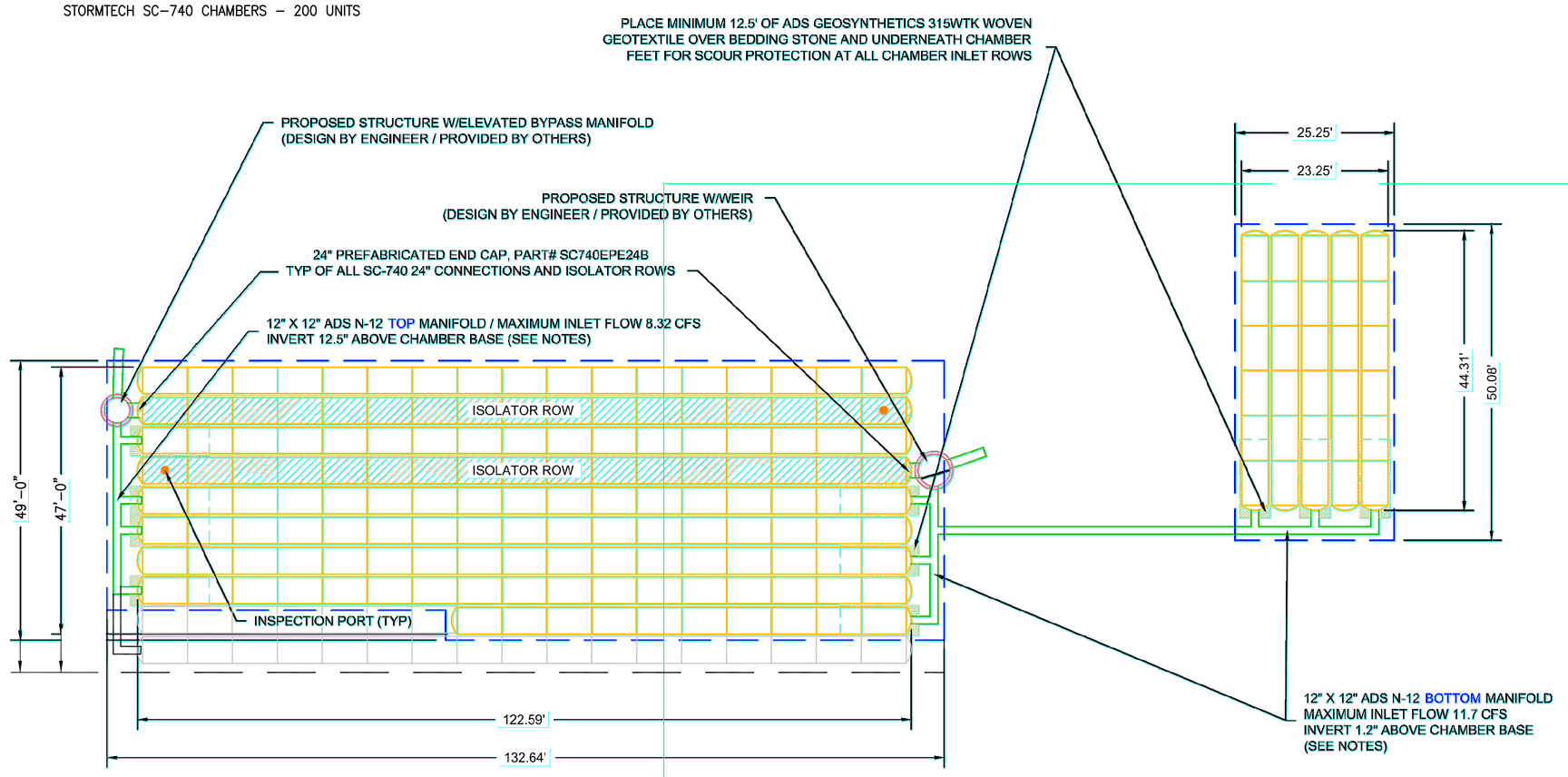
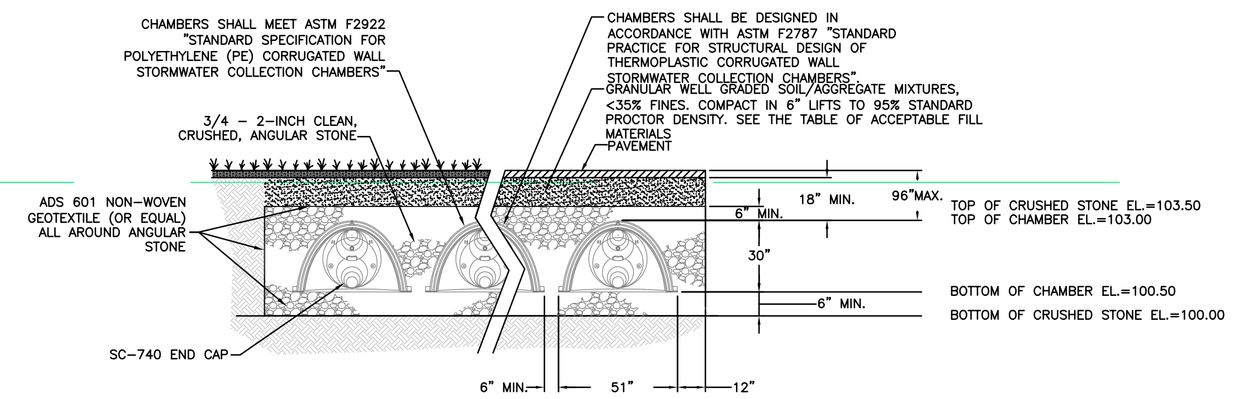
SUBSURFACE INFILTRATION SYSTEM (DP1) SECTION

SCALE: N.T.S.

STORMTECH SC-740 CHAMBERS – 200 UNITS



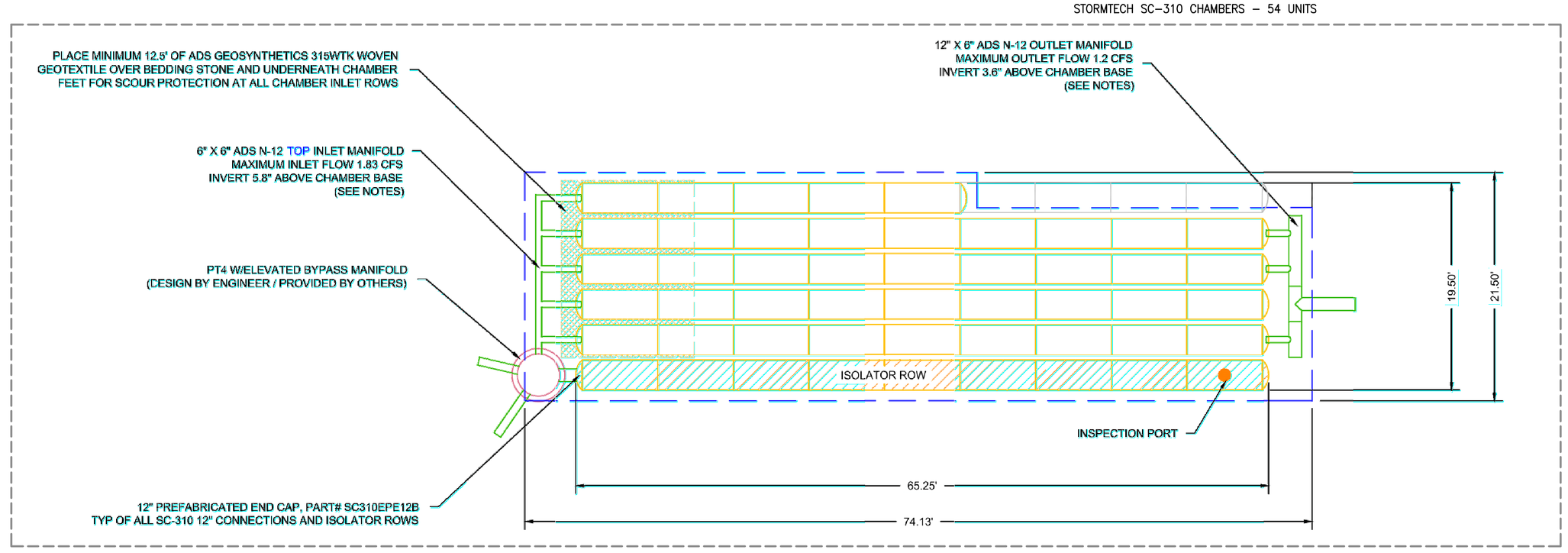


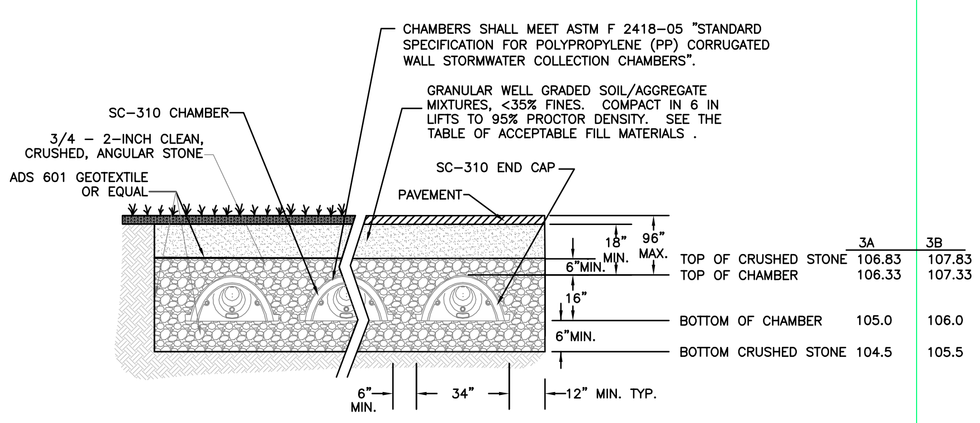
TYPICAL SECTION SC-740 CHAMBERS

SUBSURFACE INFILTRATION SYSTEM (POND 3B) SECTION

SCALE: N.T.S.

STORMTECH SC-310 CHAMBERS – 54 UNITS



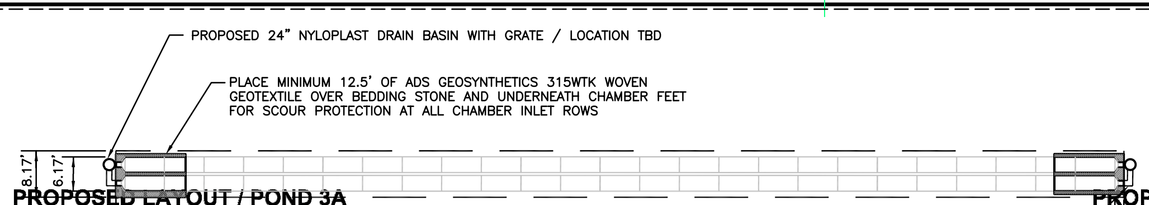


TYPICAL SECTION SC-310 CHAMBERS

SUBSURFACE INFILTRATION SYSTEM (POND 3A) SECTION

SCALE: N.T.S.

STORMTECH SC-310 CHAMBERS – 50 UNITS



PROPOSED LAYOUT / POND 3A

(40) STORMTECH SC-310 CHAMBERS
(2) STORMTECH SC-310 END CAPS
INSTALLED WITH 6" COVER STONE, 6" BASE STONE, 40% STONE VOID
INSTALLED SYSTEM VOLUME: 1,697 CF (PERIMETER STONE INCLUDED)
AREA OF SYSTEM: 1,439 FT²
PERIMETER OF SYSTEM: 586 FT

PROPOSED ELEVATIONS

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	114.83
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	109.83
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	108.33
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	108.33
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	108.33
TOP OF STONE:	107.33
TOP OF CHAMBER:	106.83
10" BOTTOM CONNECTION INVERT:	105.56
BOTTOM OF CHAMBER:	105.50
BOTTOM OF STONE:	105.00

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH SHEET #7 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.

860 BRUSH HILL RD (3A)
MILTON, MA

DATE: 4/13/2015 | DRAWN: MDK
PROJECT #: 95474 | CHECKED: —

DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THE DESIGN MEETS ALL REQUIREMENTS.

DESCRIPTION

© MCKENZIE ENGINEERING GROUP, INC.

REV	DATE	DESCRIPTION	BY	APP
1	6/30/15	REVIEW COMMENTS	DMK	BCM

PREPARED BY:
McKenzie Engineering Group, Inc.
PROFESSIONAL CIVIL ENGINEERING AND LAND SURVEYING
150 LONGWATER DRIVE
SUITE 101
NORWELL, MA 02061
PHONE: (781) 792-3900
FACSIMILE: (781) 792-0333

PLANNED UNIT TOWNHOUSE DEVELOPMENT

865 BRUSH HILL ROAD
(ASSESSOR'S MAP B 12, LOTS 8A, 8B & 2B)
MILTON, MASSACHUSETTS

PROFESSIONAL ENGINEER:

PERMIT PLAN SET

OWNER/APPLICANT:
Milton NRC, LLC
20 Mall Road
Suite 220
Burlington, MA 01803

DRAWN BY:	JS
DESIGNED BY:	DWK
CHECKED BY:	DWK
APPROVED BY:	BCM
DATE:	MAY 13, 2015
SCALE:	NTS
PROJECT NO.:	214-122

DWG. TITLE:

Construction Detail Plan

DWG. No: 11

FILE LOCATION: M:\MEG\2014 Projects\214-122\DWGS\214-122Prop.DWG