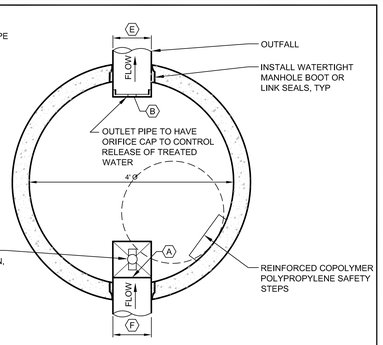
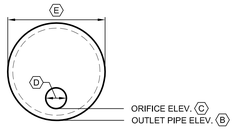
NOTE:
SEE PLAN 5,1 FOR PIPE ENTRANCE ANGLES



SCHEDULE B OUTLET CONTROL STRUCTURE		
	ITEM DESCRIPTION	ZONE D
A	CHANNEL PROTECTION INLET INVERT	10.10
B	OUTLET PIPE INVERT	10.05
C	ORIFICE INVERT	10.05
D	ORIFICE DIAMETER	0.63"
E	OUTLET PIPE DIAMETER	12'
F	INLET PIPE DIAMETER	4"



UNDERDRAIN OUTLET WITH CAP AND ORIFICE
N.T.S.

SEE DETAIL 'C' ON DRAWING C-4 FOR PRECAST MANHOLE INFORMATION REGARDING STEPS, ACCESS ETC ALL INFORMATION IS APPLICABLE TO THIS STRUCTURE

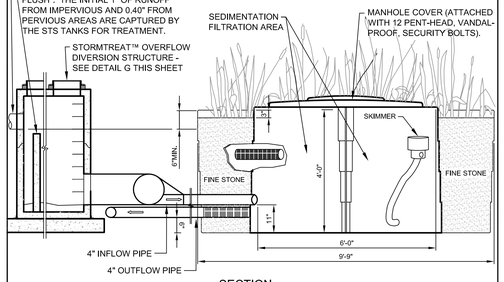
A 4' DIAMETER PRECAST OUTLET CONTROL STRUCTURE
N.T.S.

SCHEDULE A STORMTREAT™ TANK DATA		
	ITEM DESCRIPTION	ZONE D
A	TOP OF STRUCTURE	13.6
B	INLET INVERT ELEVATION	10.52
C	OUTLET INVERT ELEVATION	10.1
D	BOTTOM OF STRUCTURE	9.6
E	NUMBER OF TANKS REQUIRED	4

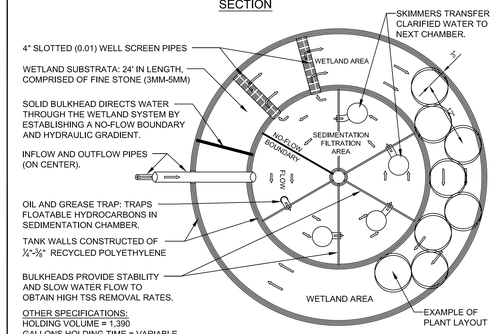
B STORMTREAT™ SYSTEM TANK SCHEDULE 'A'
N.T.S.

NOTE:
SET TOP OF STORMTREAT TANK 6" ABOVE INVERT ELEVATION OF OVERFLOW PIPE.

A COMBINATION 12 SOFT RUSH (JUNCUS EFFUSUS) AND 12 BULRUSH (SCIRPUS ALTROVIRENS) SPACED 12" APART IN 2 RINGS. BULRUSH SHALL BE PLANTED INSIDE THE SOFT RUSH. PLANTS ARE MAINTAINED BETWEEN STORMS BY A MINIMUM OF SIX INCHES OF WATER IN THE BOTTOM OF THE WETLAND BASIN. THE STANDING WATER PROVIDES FOR SOIL MOISTURE THROUGH CAPILLARY ACTION. PLANT 24 PLANTS IN 4" POTS PER STORMTREAT™ UNIT UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT.



SECTION

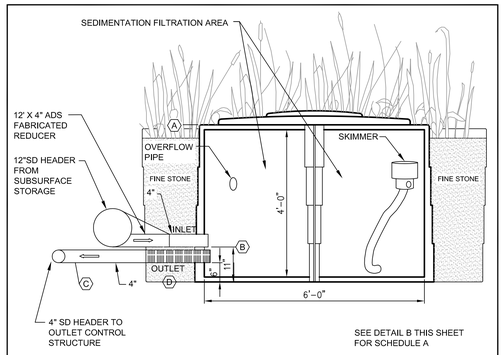


OTHER SPECIFICATIONS:
HOLDING VOLUME = 1,390
GALLONS HOLDING TIME = VARIABLE

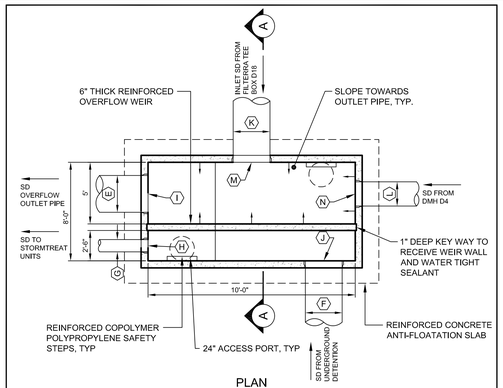
PLAN

OUTLET CONTROL ORIFICE USED TO SET DISCHARGE RATE AT 2 GALLONS PER MINUTE PER UNIT. THE OUTLET CONTROL VALVE CAN BE CLOSED IN THE EVENT OF A HAZARDOUS WASTE SPILL FOR CONTAINMENT PURPOSES.

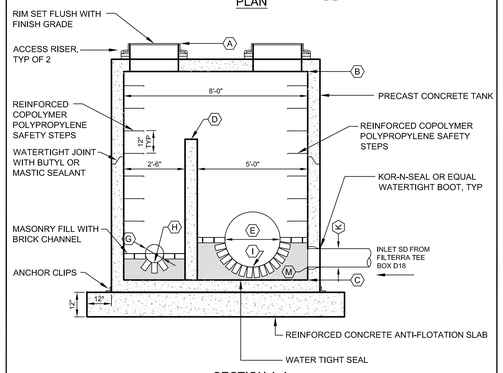
C STORMTREAT™ SYSTEM TANK
N.T.S.



D STORMTREAT™ TANK SECTION
N.T.S.
(4 TANKS REQUIRED FOR THIS PHASE OF THE PROJECT)



PLAN

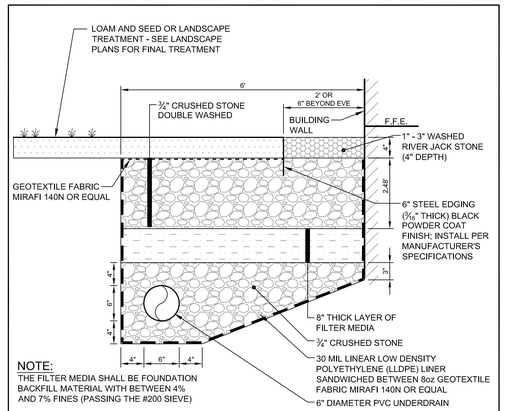


SECTION A-A

NOTES:
1. ALL CONCRETE TO HAVE A MINIMUM OF 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS
2. DESIGN LOAD FOR H-20 WHEEL LOAD
3. STRUCTURE TO CONFORM TO ASTM-C478 SPECIFICATIONS
4. SET STRUCTURE ON 12" THICK CRUSHED STONE

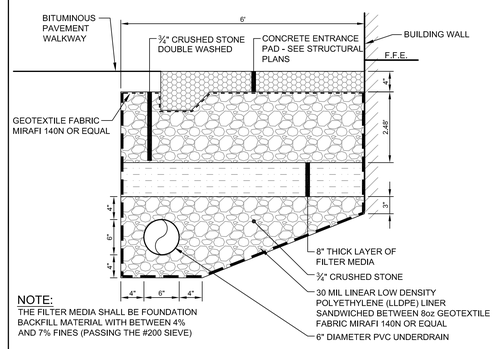
OVERFLOW DIVERSION STRUCTURE SCHEDULE		
	ITEM DESCRIPTION	ZONE D
A	APPROXIMATE RIM ELEVATION	15.95
B	TOP OF INSIDE OF TANK	14.5
C	BOTTOM OF INSIDE OF TANK	9.52
D	TOP OF WEIR WALL	13.02
E	DIAMETER OF OVERFLOW OUTLET PIPE	36"
F	DIAMETER OF INLET PIPE	36"
G	DIAMETER OF OUTLET PIPE TO STORMTREATS	12"
H	INV OF OUTLET PIPE TO STORMTREATS	10.52
I	INV OF OVERFLOW OUTLET PIPE	10.29
J	INV OF INLET PIPE	10.52
K	DIAMETER OF INLET PIPE (FROM D18)	12"
L	DIAMETER OF INLET PIPE (FROM D4)	24"
M	INV OF INLET PIPE (FROM D18)	10.87
N	INV OF INLET PIPE (FROM D4)	10.87

E STORMTREAT™ OVERFLOW DIVERSION STRUCTURE
N.T.S.



NOTE:
THE FILTER MEDIA SHALL BE FOUNDATION BACKFILL MATERIAL WITH BETWEEN 4% AND 7% FINES (PASSING THE #200 SIEVE)

F WATER QUALITY TREATMENT DRIP EDGE DETAIL CONDITION 1 - LANDSCAPE AREAS
N.T.S.



NOTE:
THE FILTER MEDIA SHALL BE FOUNDATION BACKFILL MATERIAL WITH BETWEEN 4% AND 7% FINES (PASSING THE #200 SIEVE)

G WATER QUALITY TREATMENT DRIP EDGE DETAIL CONDITION 2 - BUILDING ENTRANCES
N.T.S.

PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION
1	06.30.14	AMENDED PHASE 1A SITE PLAN SUBMITTED TO CITY

REVISIONS

STATE OF MAINE — BO KENNEDY No. 11994 — LICENSED PROFESSIONAL ENGINEER

P.E. BO KENNEDY
LIC. #11994

PROJECT
BRICK NORTH BUILDING AT THE FOREFRONT AT THOMPSON'S POINT

SHEET TITLE
STORMWATER DETAILS STORMTREAT™ SYSTEMS AND DRIP EDGE TREATMENT

CLIENT
FOREFRONT PARTNERS I, LP

FST 100 YEARS
FAY, SPOFFORD & THORNDIKE
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	DED	DATE:	JUNE 2014	
DESIGNED:	BEK	SCALE:	N.T.S.	
CHECKED:	SRB	JOB NO.	2982.05	
FILE NAME:	2982.05-BN-DET			
SHEET	C-7.0			

R:\2982.05 Amended Site Plan Part III\Cadd\Permit Set\dwg\BRICK NORTH - Amended\2982.05-BN DET.dwg davis_d 6/30/2014 2:15 PM