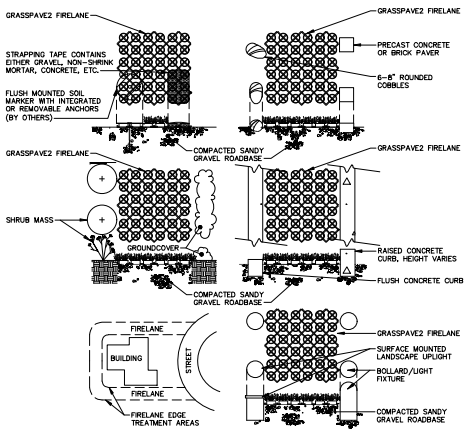
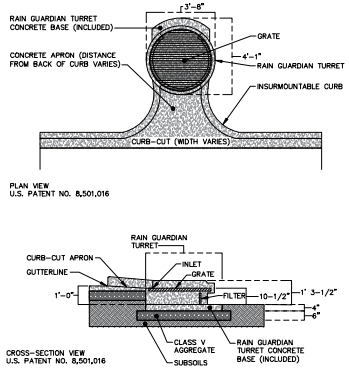


NOTE:
THIS DETAIL IS SCHEMATIC IN NATURE. DESIGNER SHALL SPECIFY SPACING AND DESIGN OF EDGE TREATMENTS. SPACING WILL VARY WITH TURF TYPE, SLOPE, FIRE DEPARTMENT REQUIREMENTS, ETC..

GRASSPAVE2 FIRELANE BY INVISIBLE STRUCTURES, INC.

SCALE: N.T.S. SOURCE: INVISIBLE STRUCTURES, INC. LAST UPDATED: 06/2019

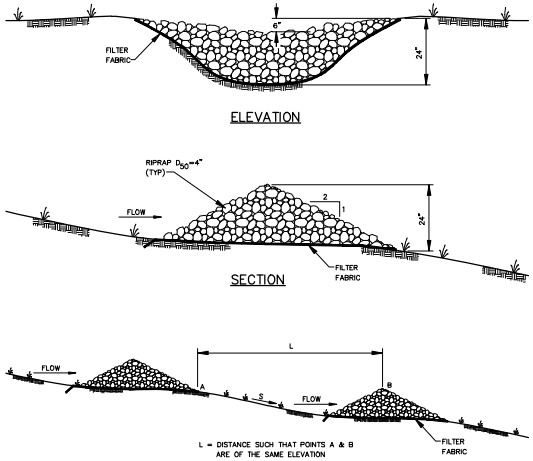


SPECIFICATIONS:

1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (1,030 LBS).
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4 PERCENT TO 8 PERCENT BY VOLUME).
3. MANUFACTURED AND DESIGNED TO ASTM C858.
4. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.
5. SOIL UNDER BASE TO BE COMPACTED TO 95 PERCENT STANDARD PROCTOR.
6. TWO-PIECE LIGHT-DUTY GALVANIZED GRATE (34.5 LBS/PIECE) FOR 541 LB CONCENTRATED LOAD OR 309 LB/SQFT UNIFORM LOAD.
7. TWO-PIECE HEAVY-DUTY GALVANIZED GRATE (77.5 LBS/PIECE) FOR 2,456 LB CONCENTRATED LOAD OR 1,404 LB/SQFT UNIFORM LOAD.
8. USE EXPANSION JOINT MATERIAL BETWEEN TURRET AND BIORETENTION INLET.

RAIN GUARDIAN - TURRET - TYPICAL DETAIL

SCALE: N.T.S. SOURCE: MDEP LAST UPDATED: 05/2016



L = DISTANCE SUCH THAT POINTS A & B ARE OF THE SAME ELEVATION

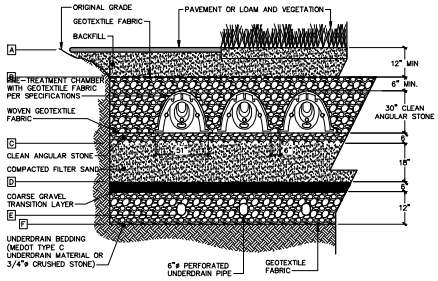
S = SLOPE

S (FT/FT)	L (FT)
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13

STONE CHECK DAM

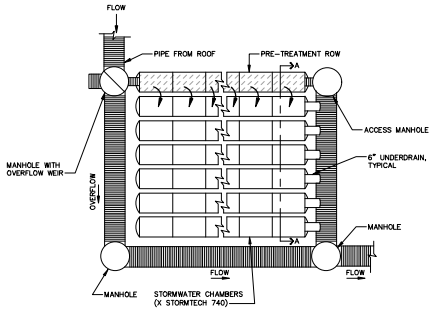
SCALE: N.T.S. SOURCE: MDEP LAST UPDATED: 05/2016

	B1M1	B1M2	B1M3	B2M4	B2M5	B2M6	B6 (oxygen)	B5 (CUP)
SSF	36	37	38	39	40	41	42	43
A	68.10	66.68	65.45	57.00	57.00	51.00	63.00	61.90
B	66.27	64.85	63.62	55.67	55.67	49.67	61.67	60.90
C	62.77	61.35	60.12	52.17	52.17	46.17	58.17	57.40
D	61.27	59.85	58.62	50.67	50.67	44.67	56.67	55.90
E	60.02	58.60	57.37	49.42	49.42	43.42	55.42	54.65
F	59.77	58.35	57.12	49.17	49.17	43.17	55.17	54.40



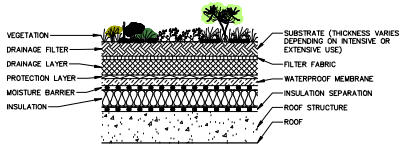
SUBSURFACE SAND FILTER - SECTION A-A

SCALE: N.T.S. SOURCE: MDEP LAST UPDATED: 05/2016



PRETREATMENT ROW - PLAN VIEW

SCALE: N.T.S. SOURCE: MDEP LAST UPDATED: 05/2016



GROWING MEDIUM: THE VEGETATION SUPPORT COURSE SHOULD ACCOMMODATE A DENSE ROOT STOCK AND HAVE ALL THE PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES NEEDED FOR PLANT GROWTH. AVAILABLE MATERIALS INCLUDE:

- SOIL MIXTURES – IMPROVED TOP AND UNDERLYING SOIL.
- AGGREGATE MIXTURES – MINERAL AGGREGATE MIXTURES WITH HIGH OR LOW ORGANIC CONTENT OR WITH AN OPEN-PORE GRANULAR STRUCTURE WITH NO ORGANIC CONTENT.
- SUBSTRATE BOARDS – BOARDS MADE FROM MODIFIED FOAM MATERIALS OR MINERAL FIBERS.
- VEGETATION MATTING – MATTING WITH MINERAL/ORGANIC AGGREGATE MIXTURES. THE ORGANIC CONTENT OF THE VEGETATION SUPPORT COURSE SHOULD BE AS SHOWN ON TABLE 7.6.1.

TABLE 7.6.1 – GROWING MEDIUM		
TYPE OF GREENING	SUBSTRATE DENSITY	ORGANIC CONTENT
INTENSIVE GREENING	<0.8 >0.8	<12% BY MASS <6% BY MASS
EXTENSIVE GREENING		
MULTIPLE-COURSE CONSTRUCTION	<0.8 >0.8	<8% BY MASS <6% BY MASS
SINGLE-COURSE CONSTRUCTION	N/A	<4% BY MASS
THE LANDSCAPING AND LANDSCAPE DEVELOPMENT RESEARCH SOCIETY E.V.-FLL		

VEGETATED ROOF CROSS-SECTION

SCALE: N.T.S. SOURCE: MDEP LAST UPDATED: 05/2016

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NORDIC AQUAFARMS
MULTIPHASE PROJECT

158 HIGH STREET, BELFAST, MAINE

CONSTRUCTION DETAILS

PROJECT MANAGER: MPM PROJECT NO: 171.05027
DRAWN BY: JAR

CQ-502

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