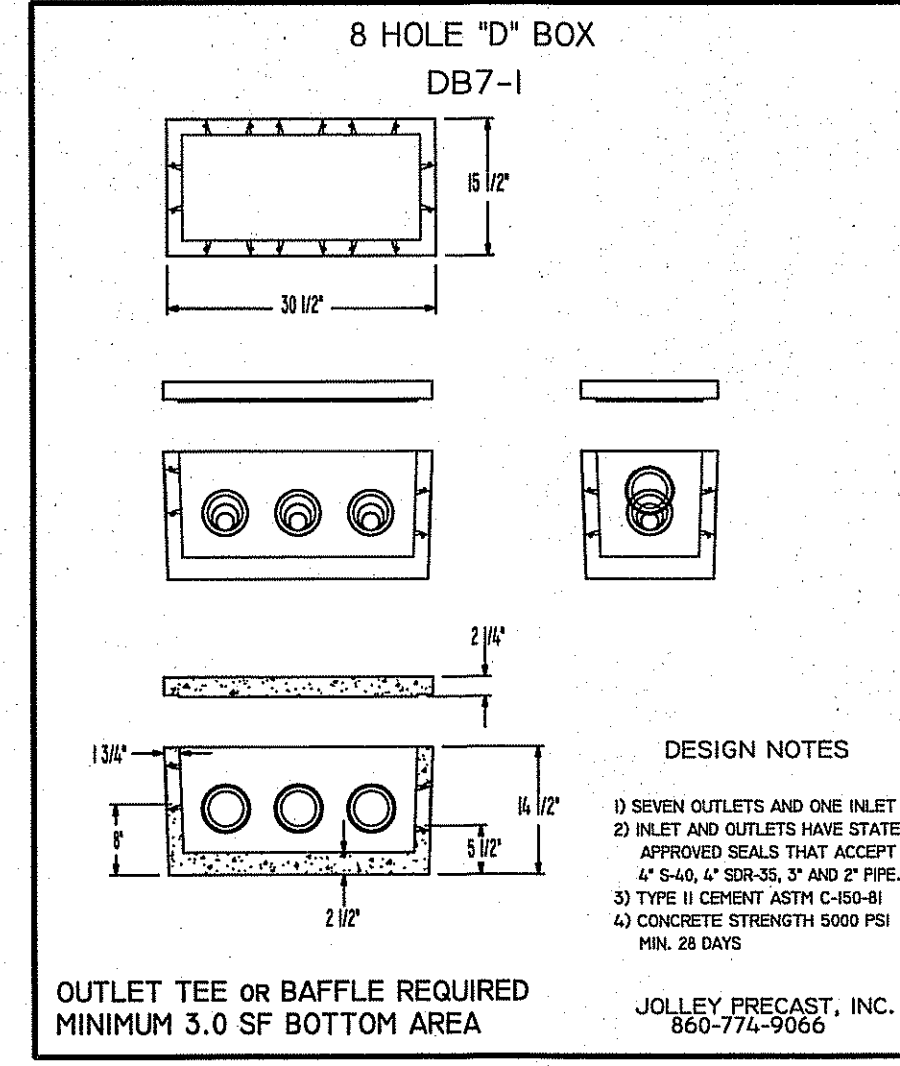
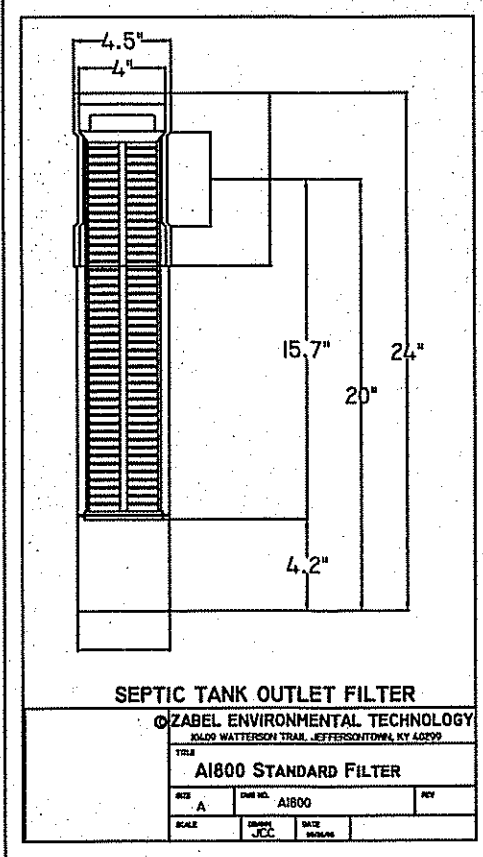
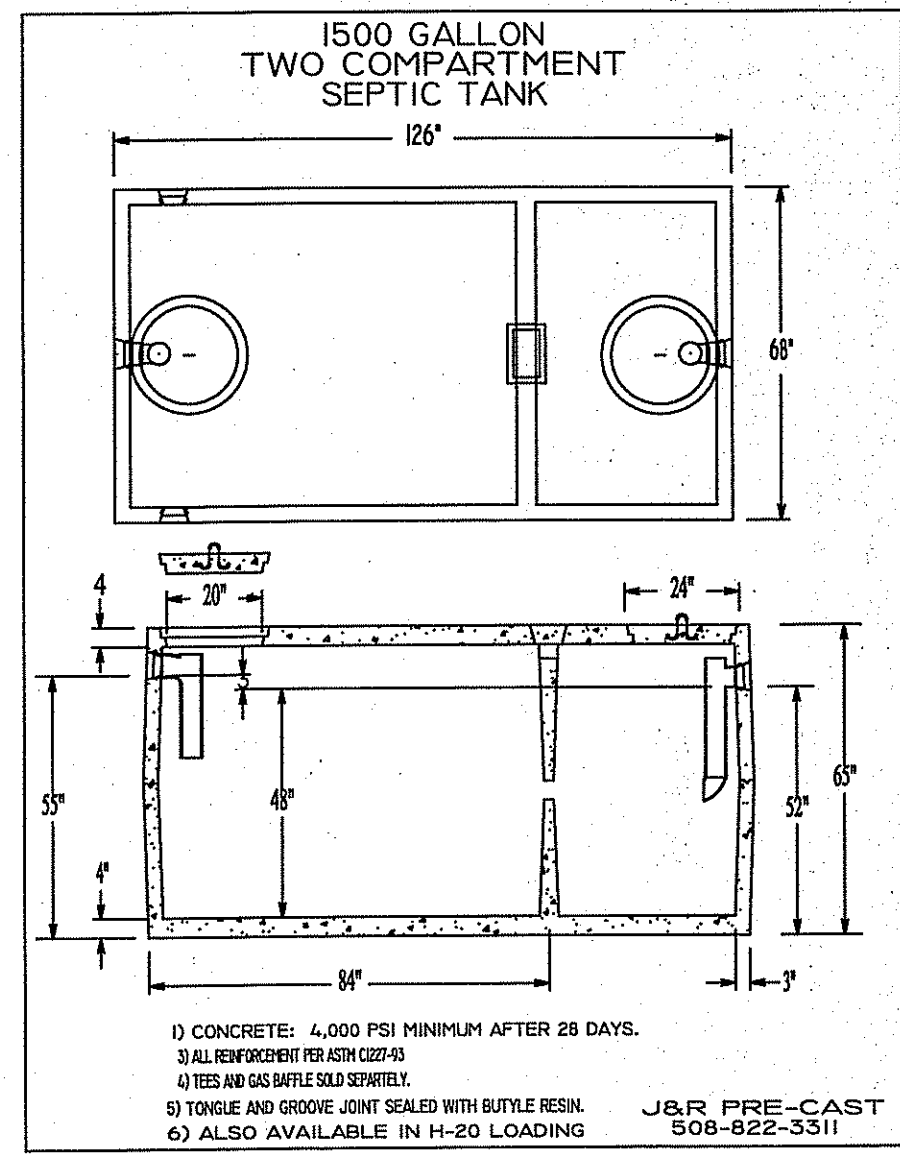


IN-DRAIN UNIT SPECIFICATIONS				
TYPE	LENGTH	WIDTH	HEIGHT	WEIGHT
B	4'	3'	7"	22 LBS.

*ALL PIPING ON IN-DRAINS TO BE 4" DIA. SDR 35 PERFORATED PVC
 *INTERCONNECT TRENCHES EVERY 25' MAXIMUM

STRIP OUT BETWEEN TRENCHES
 DO NOT STRIP OUT BETWEEN TRENCHES



BASIS OF SANITARY DESIGN:
 NUMBER OF BEDROOMS: 4 - PROPOSED
 GARBAGE GRINDER: NOT ALLOWED
 ESTIMATED SEWAGE FLOW: 460 GAL/DAY
 SIZE OF SEPTIC TANK: 1500 GALLONS (2-COMPARTMENT)
 DESIGN RATE: SOIL CAT 9, 0.40 GAL/SF/DAY L.R.

LEACHING AREA REQUIRED: 460 GPD
 = 1150 S.F. REQUIRED
 0.40 L.R.

LEACHING AREA PROVIDED: 44 IN-DRAIN UNITS x 28 SF/UNIT = 1,232 S.F. PROVIDED
 1,232 S.F. x 0.40 L.R. = 492 GPD (SYSTEM CAPACITY)

TOP OF FOUNDATION.....	103.75
FINISHED BASEMENT FLOOR.....	96.25
WATER TABLE ELEV. AT DWELLING....	96.0
INVERT AT FOUNDATION.....	100.87
INVERT INTO SEPTIC TANK.....	100.35
INVERT INTO D-BOX.....	100.10
INVERT OUT OF D-BOX.....	99.75
INVERT AT BEGINNING OF TRENCH....	99.58
INVERT AT END OF TRENCH.....	99.58
BOTTOM OF IN-DRAIN.....	99.00
BOTTOM OF C-33 SAND.....	98.50
BOTTOM OF OWTS SAND & GRAVEL.....	96.00 (OR SUITABLE MATERIAL)
ELEVATION OF WATER TABLE..(36")	96.0
AVERAGE EXIST. GRADE AT OWTS.....	99.0

- NOTES**
- ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DEPARTMENT OF ENVIRONMENTAL MANAGEMENT - RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS AS MOST RECENTLY AMENDED.
 - ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER WITH LINES LAID AS STRAIGHT AS POSSIBLE AND JOINTS MADE WATERTIGHT. ALL WORK TO BE DONE BY AN INSTALLER LICENSED IN THE STATE OF RHODE ISLAND.
 - SEPTIC TANK TO BE JOLLEY PRECAST 1500 GALLON TWO-COMPARTMENT SEPTIC TANK. TWO SEPTIC TANK COVERS TO BE BROUGHT TO FINISH GRADE. OUTLET FILTER REQUIRED.
 - DISTRIBUTION BOX TO BE JOLLEY PRECAST DB-5 (MIN.) D-BOX OR APPROVED EQUALS CONFORMING TO RULE 5. ALL DISTRIBUTION LINES EXTENDING ONE FOOT FROM D-BOX (TO START OF TRENCH) TO BE SOLID SDR35 OR SCH40. A DROP OF 2" IS REQUIRED FROM THE D-BOX TO THE START OF THE TRENCHES. BAFFLES OR INLET TEE REQUIRED IN D-BOX.
 - INSTALLATION OF THE ELJEN IN-DRAIN (GSF) SYSTEM SHALL CONFORM TO THE "GEOTEXTILE SAND FILTER, RHODE ISLAND DESIGN & INSTALLATION MANUAL" AS MOST RECENTLY AMENDED.
 - 6" MINIMUM LAYER OF C-33 WASHED SAND (UNDER, BETWEEN ROWS, AND AROUND THE PERIMETER. C-33 SAND SHALL HAVE LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE
 - LEACHING AREA EXCAVATION SHALL BE LEVEL AND SCARIFIED. EXCAVATION SHALL BE STRIPPED OF ALL BRUSH, TREES, TOPSOIL, SUBSOIL, AND OTHER UNDESIRABLE MATERIAL AND BACKFILLED WITH CLEAN COARSE SAND, GRAVEL OR STONE, AS DESIGNATED ON THE PLAN. SAND AND GRAVEL TO HAVE A MINIMUM PERCOLATION RATE OF 5 MIN/INCH. MAX STONE SIZE IS 6". LIMIT 10% OF 2" - 6" STONES. NOTE: C-33 SAND (MEETING THE ABOVE SPECIFICATION) MAY BE USED IN PLACE OF THE SAND AND GRAVEL.
 - ALL BACKFILL MATERIAL PLACED OVER THE SEPTIC SYSTEM SHALL BE FREE OF LARGE STONES, RUBBISH, OR OTHER DELETERIOUS MATERIALS. HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO RUN OVER THE LEACHING AREA.
 - THE SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE GRINDER, WATER SOFTENER, OR JACUZZI.
 - FOR PROPER OPERATION, THE SEPTIC TANK SHALL BE INSPECTED ANNUALLY AND PUMPED AT NO GREATER THAN 2 YEAR INTERVALS. OUTLET FILTER TO BE INSPECTED AND CLEANED SEMI-ANNUALLY.
 - NO PARKING IS PERMITTED IN THE VICINITY OF THE OWTS.
 - DIG SAFE NOTIFICATION IS REQUIRED PRIOR TO ANY EXCAVATION.
 - CONTRACTOR TO INSTALL 12" MINIMUM COVER OVER THE IN-DRAIN UNITS. CONTRACTOR IS TO INSURE 6" LOAM AND SEED OVER ALL DISTURBED AREAS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE FOR FINISH LANDSCAPING.
 - PROPERTY LINES AS DEPICTED ON THIS PLAN ARE APPROXIMATE ONLY AND ARE NOT BASED ON A BOUNDARY SURVEY.
 - CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SAFETY AND BUILDING CODES ARE FOLLOWED.
 - DESIGNER TO BE NOTIFIED 72 HOURS (3 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION.
 - CONTRACTOR IS TO INSURE THAT DESIGNER IS NOTIFIED 2 WORKING DAYS IN ADVANCE OF REQUIRED INSPECTION SO PROPER NOTIFICATION TO RIDEM CAN BE MADE. FAILURE TO PROVIDE ADVANCE NOTICE WILL RESULT IN DELAYS TO THE CONTRACTOR. WORK SHALL NOT CONTINUE UNTIL THE PREVIOUS STAGE IS APPROVED.

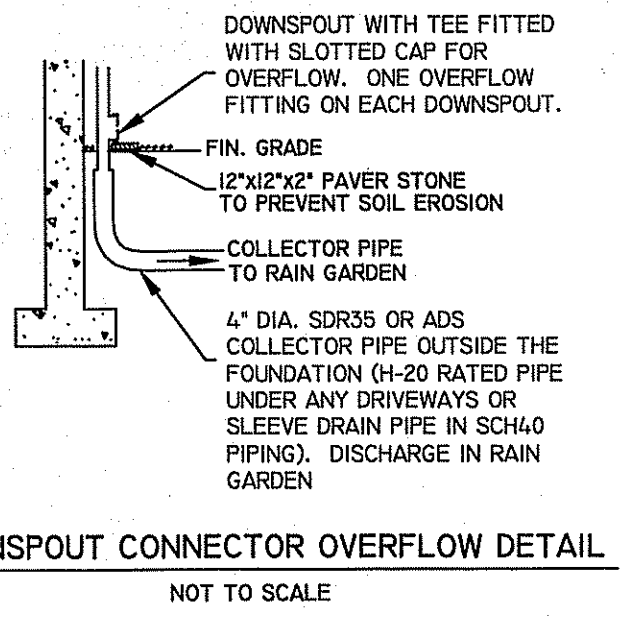
PROPOSED IMPERVIOUS COVERAGE:
 4,656 SF PROPOSED
 256 SF PROPOSED GREEN HOUSE
 432 SF PROPOSED PERGOLA W/ ROOF

5,344 SF TOTAL IMPERVIOUS COVERAGE PROPOSED

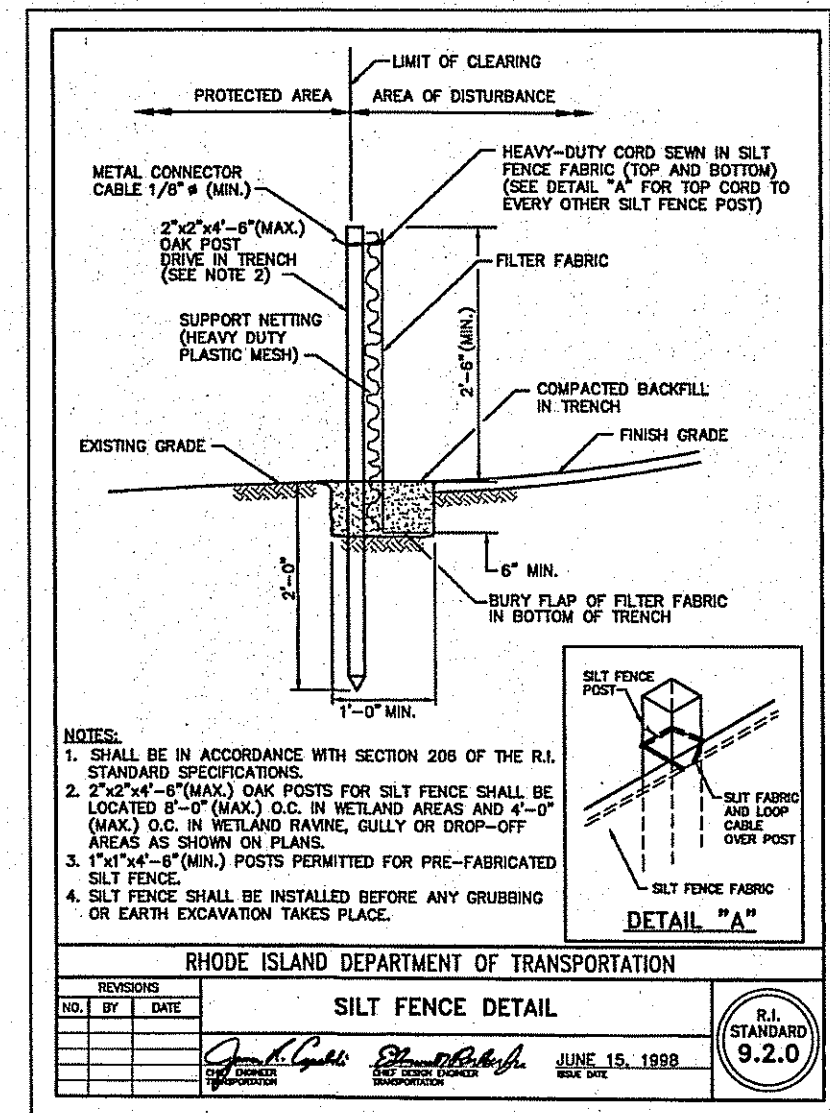
PER RI STORMWATER MANAGEMENT GUIDELINES FOR INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT, TABLES 7 AND 8, RAIN GARDEN SIZING;

5,344 SF OF DRAINAGE AREA IN SILTY SOILS REQUIRES 856 SF OF RAIN GARDEN AT 8" DEEP
 [160 (sf/1000 sf) x 5,344 = 856 sf req'd]

PROPOSED: 888 SF OF RAIN GARDEN, 8" DEEP



DOWNSPOUT CONNECTOR OVERFLOW DETAIL
 NOT TO SCALE

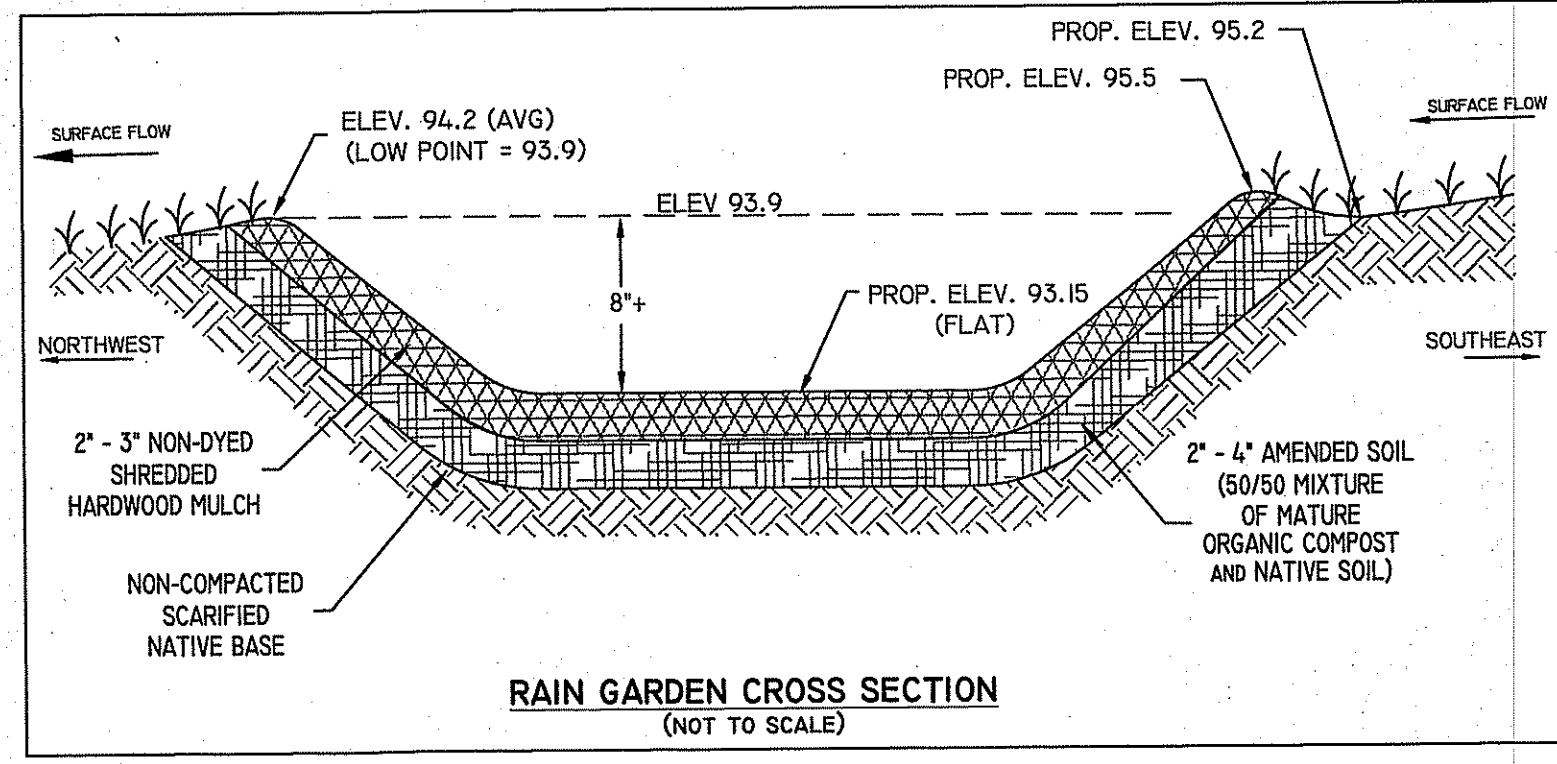
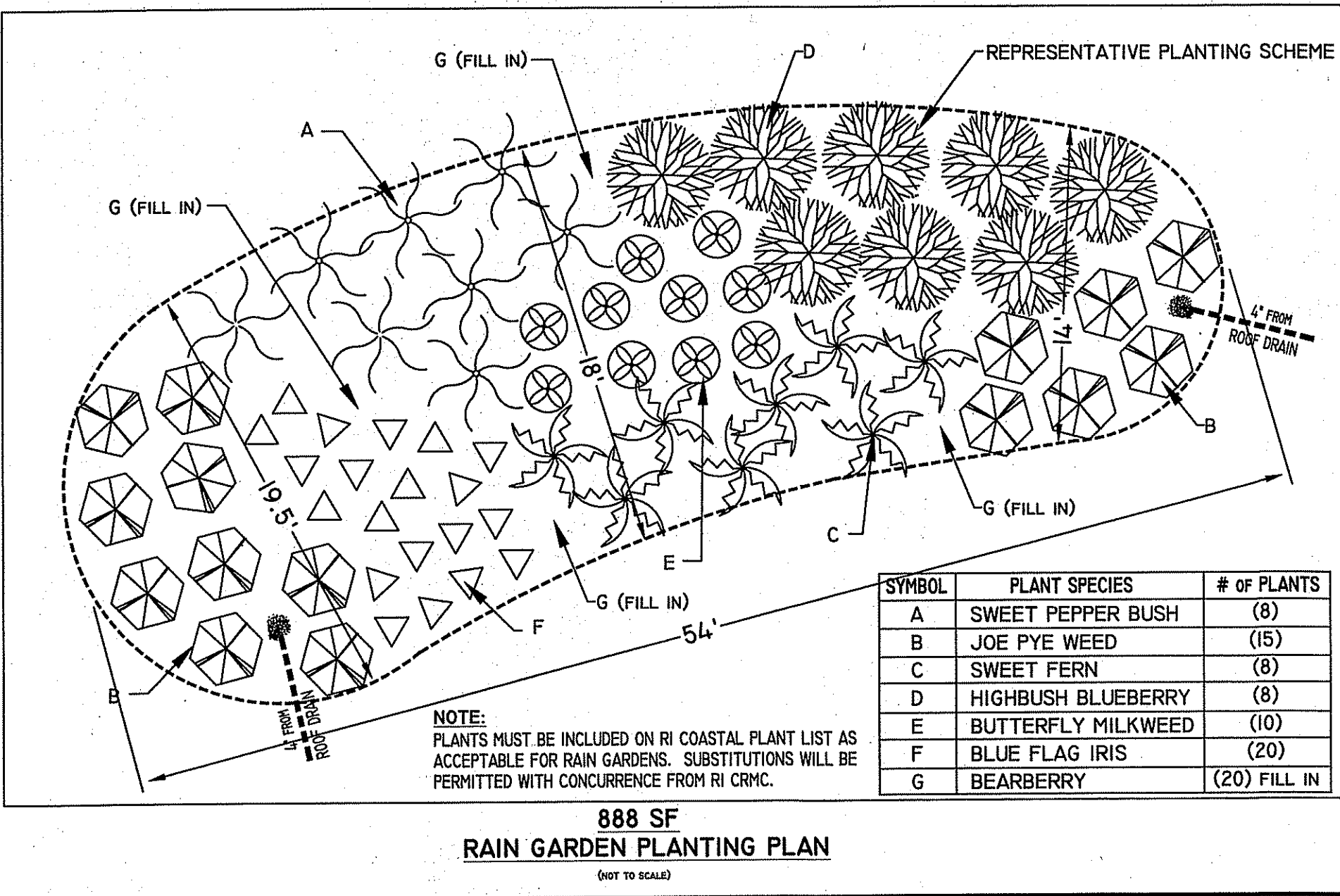


COMPOST FILTER (SILT) SOCK MAY BE UTILIZED IN PLACE OF HAYBALES / SILT FENCING

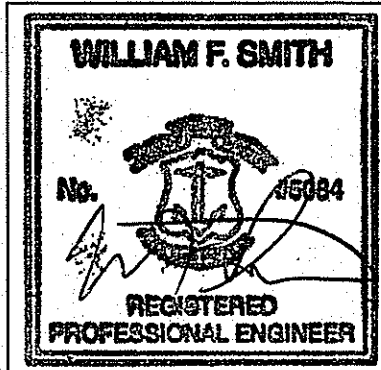
COMPOST FILTER SOCK SPECIFICATION:

COMPOST FILTER SOCK SHALL COMPLY WITH SECTION 206.01.4, 206.02.04, AND 206.03.4 OF THE RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED 2013, WITH ALL REVISIONS, AS FOLLOWS:

COMPOST FILTER SOCK MATERIAL SHALL BE IN ACCORDANCE WITH AASHTO DESIGNATION: MP-9-06 (2007 OR LATEST EDITION). COMPOST FILTER MATERIAL SHALL BE IN ACCORDANCE WITH AASHTO DESIGNATION: MP9-06 (2007 OR LATEST REVISION). COMPOST MATERIAL SHALL ALSO MEET ALL APPLICABLE FEDERAL AND STATE REGULATIONS. FOR COMPOST FILTER SOCKS 18 INCHES OR LESS IN DIAMETER, WOODEN STAKES SHALL BE 1 INCH BY 1 INCH, AT 10 FOOT INTERVALS ON CENTER, AND OF A LENGTH THAT SHALL PROJECT INTO THE SOIL 1 FOOT LEAVING 3 INCHES TO 4 INCHES PROTRUDING ABOVE THE FILTER SOCK.



RAIN GARDEN CROSS SECTION
 (NOT TO SCALE)



PROPOSED OWTS NEW CONSTRUCTION PLAN AND PROPOSED WETLANDS PRELIMINARY DETERMINATION
HELEN BABCOCK (OWNER)
MARKE EARLEY & SUSAN ANDERSEN-EARLEY (P&S)
 ASSESSOR'S PLAT 713 LOT 104
 EIGHT ROD WAY
 TIVERTON, RHODE ISLAND

SCALE: NONE DATE: DECEMBER 13, 2018

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REVISIONS: SHEET 2 OF 2 JOB#: 18-081