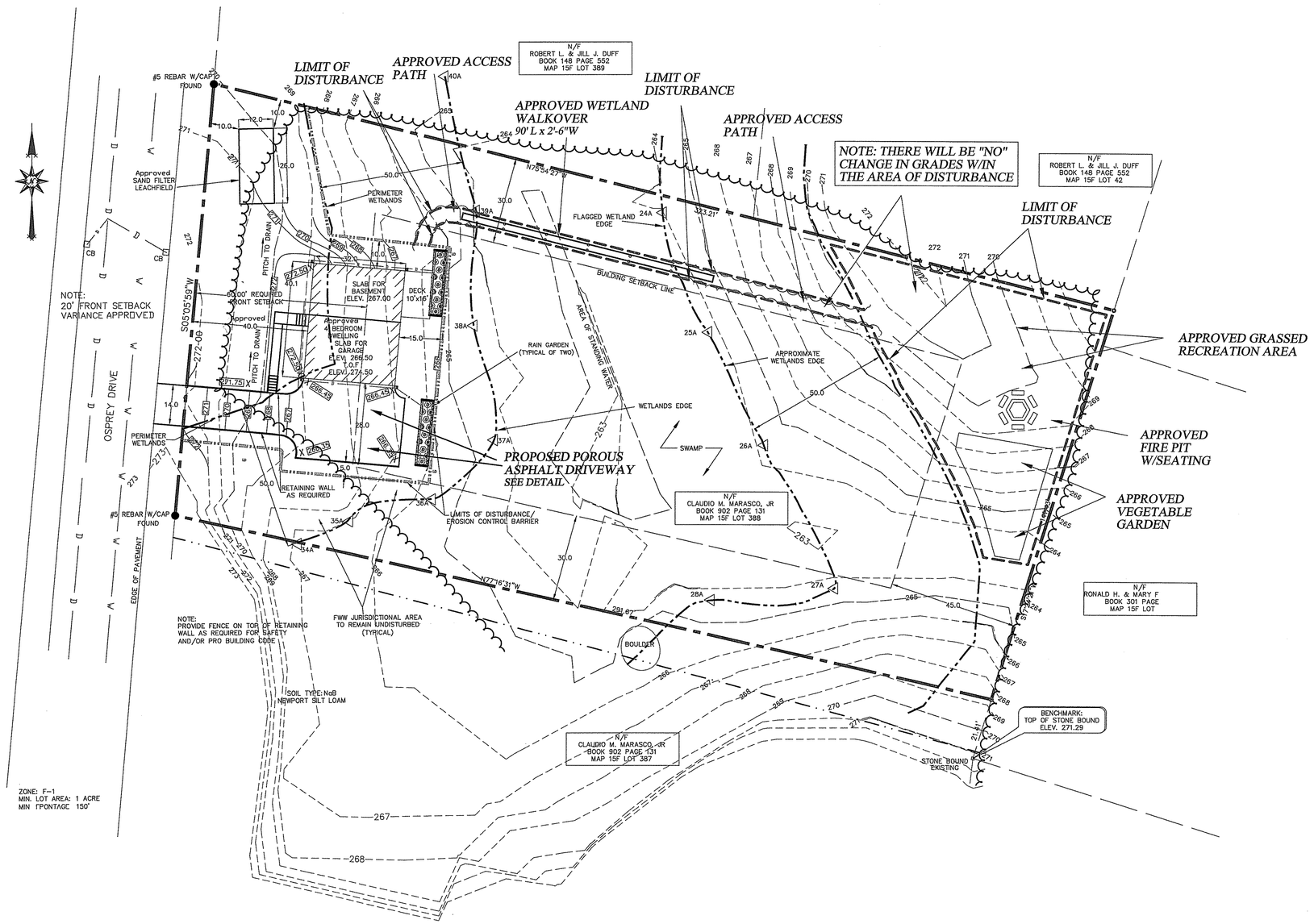
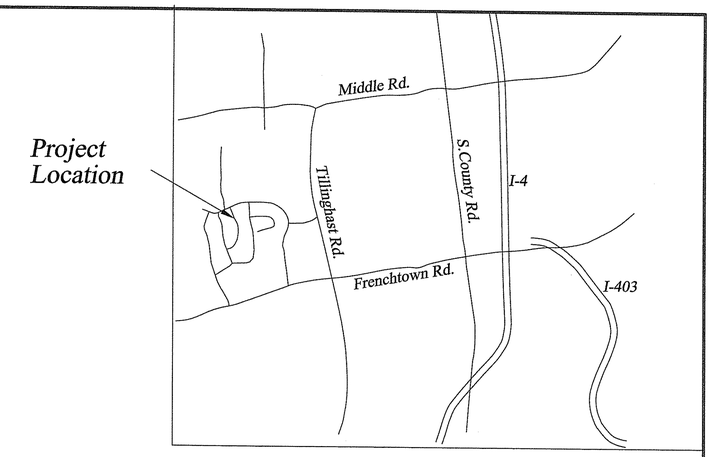
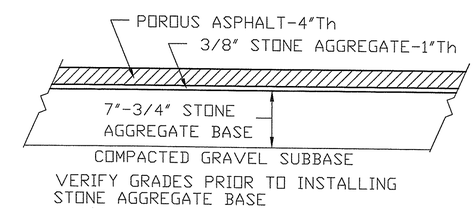


PROPOSED DRIVEWAY MODIFICATION SITE LAYOUT PLAN
1" = 20'



Site Location Map

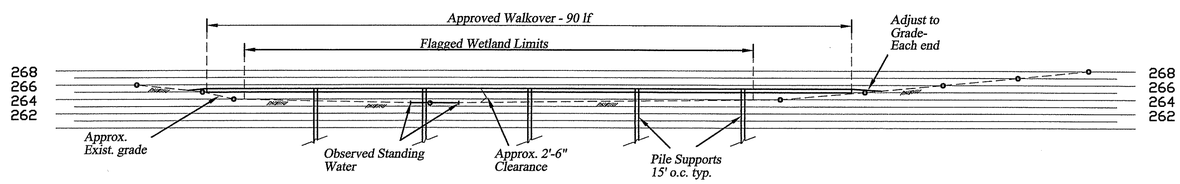


POROUS PAVEMENT
NTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 4 2018 FILE # 15-0213
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

0 5 10 20 30 40 50
ONE INCH EQUALS TEN FEET
0 20 40 60 80 100
ONE INCH EQUALS TWENTY FEET

NOTE: CHECK GRAPHIC SCALES BEFORE USING



APPROVED WETLAND WALKOVER - SECTION VIEW
1" = 10'

Reference is made to:
"FRESH WATER WETLANDS SITE PLAN"
Drainage & Erosion Control Plan - SP-1
Dated Rev. 1-24-17
as Prepared By Site Engineering Inc.

"PROPOSED WETLAND WALKOVER
Dated Rev. 9-13-17

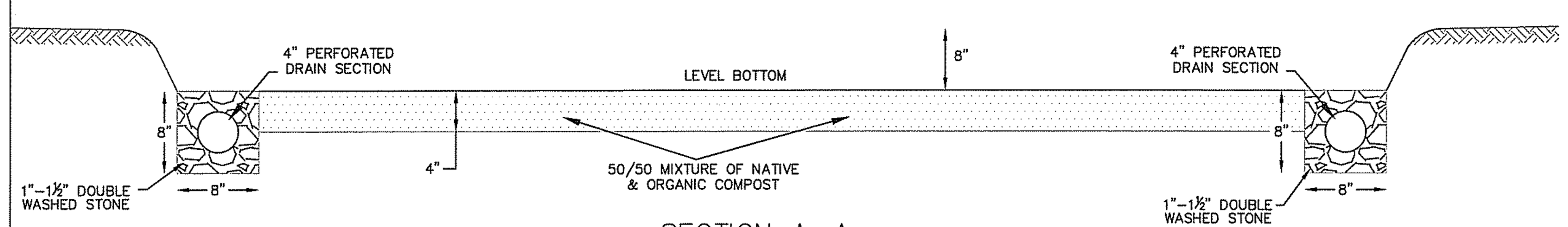
REVISIONS		
NO.	DATE	DESCRIPTION

20 Osprey Drive
East Greenwich, R.I

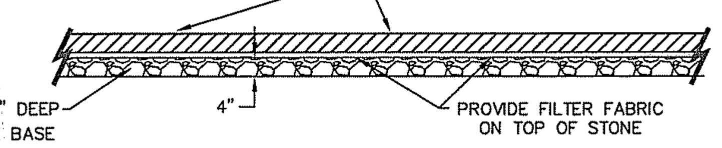
MODIFICATIONS TO DRIVEWAY

APR 16

SCALE:
DRWG. NO.:
PROJ. NO.:
DATE: April 4, 2018



SECTION A–A
NOT TO SCALE



POROUS PAVERS DETAIL
NOT TO SCALE

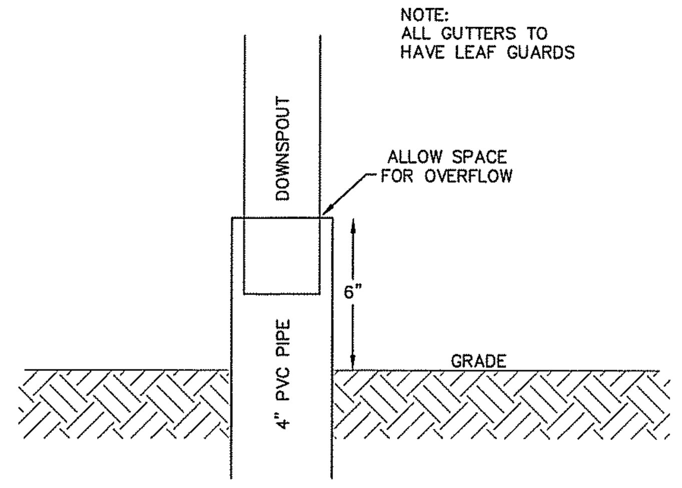
PAVERS SHALL BE PERMEABLE BLOCKS, SOILD BLOCK WITH OPEN CELL JOINTS, OR OPEN CELL GRIDS FILLED WITH PEA STONE. INSTALATION OF PAVERS SHALL BE BY A QUALIFIED INSTALLER

NOTE:
DRIVEWAY SLOPE IS > 5%
HOWEVER, FILLING CELLS WITH PEA STONE WILL ASSURE IMMEDIATE PASSING OF ANY RAINFALL TO UNDERLYING STONE LAYER. ALSO MAJORITY OF THE DRIVEWAY IS ESSENTIALLY FLAT

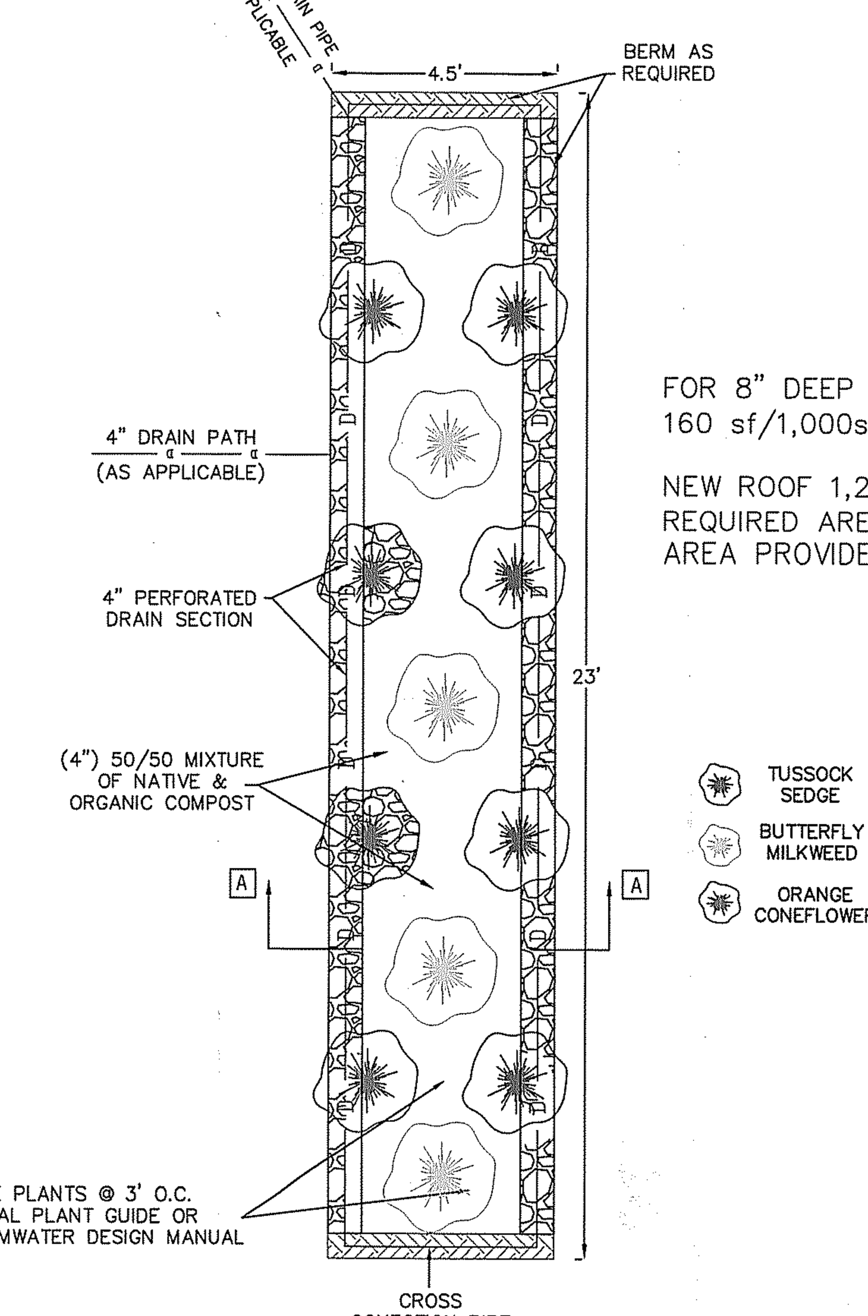
1" RAINFALL PER SQUARE FOOT DRIVEWAY AREA @ 30% VOID SPACE FOR STONE

1"/12 IN/FT = 0.08'
4"/12 IN/FT x 0.30 = 0.10' > 0.08'

NOTE:
ALL GUTTERS TO HAVE LEAF GUARDS



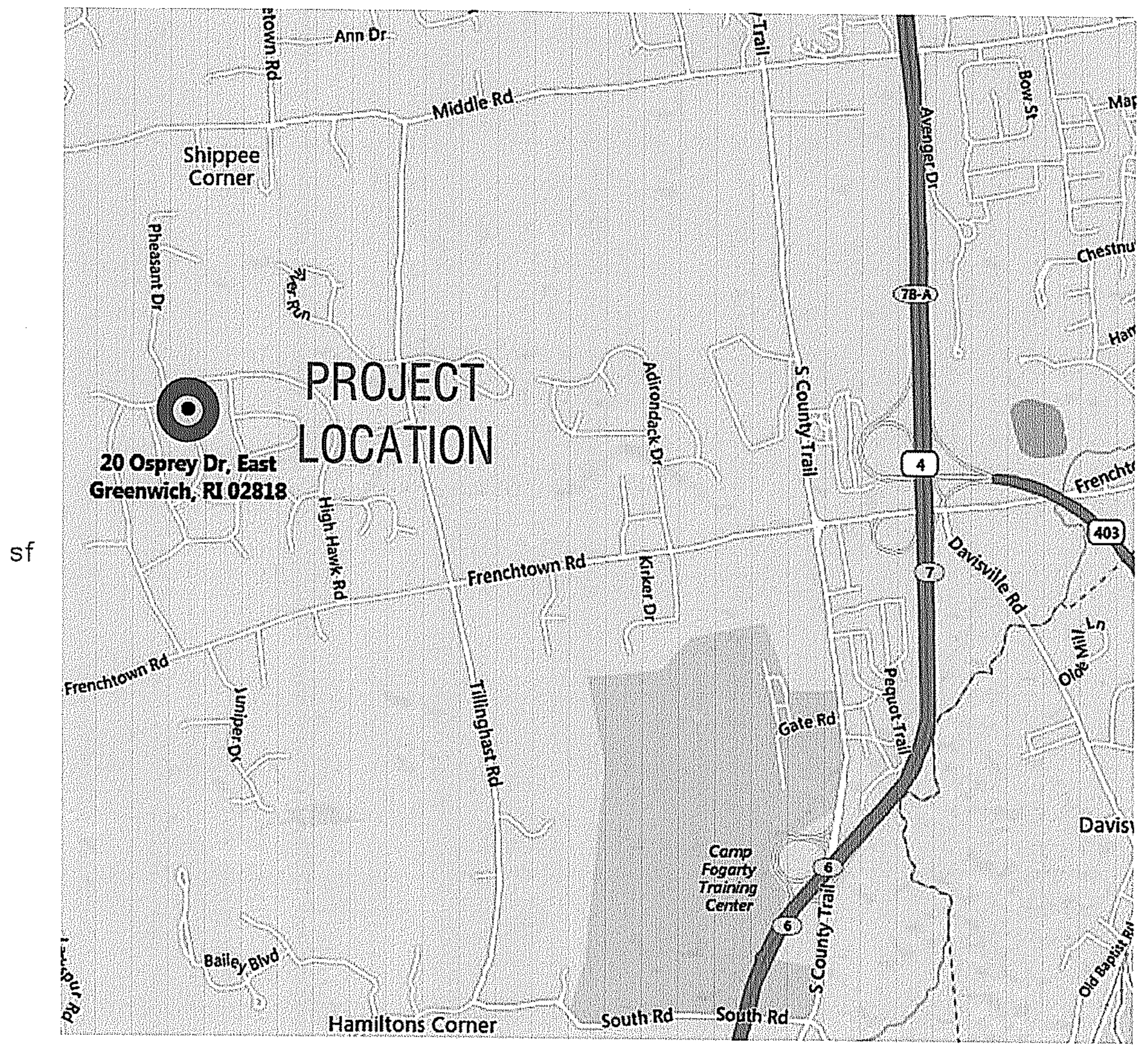
DOWNSPOUT DETAIL
NOT TO SCALE



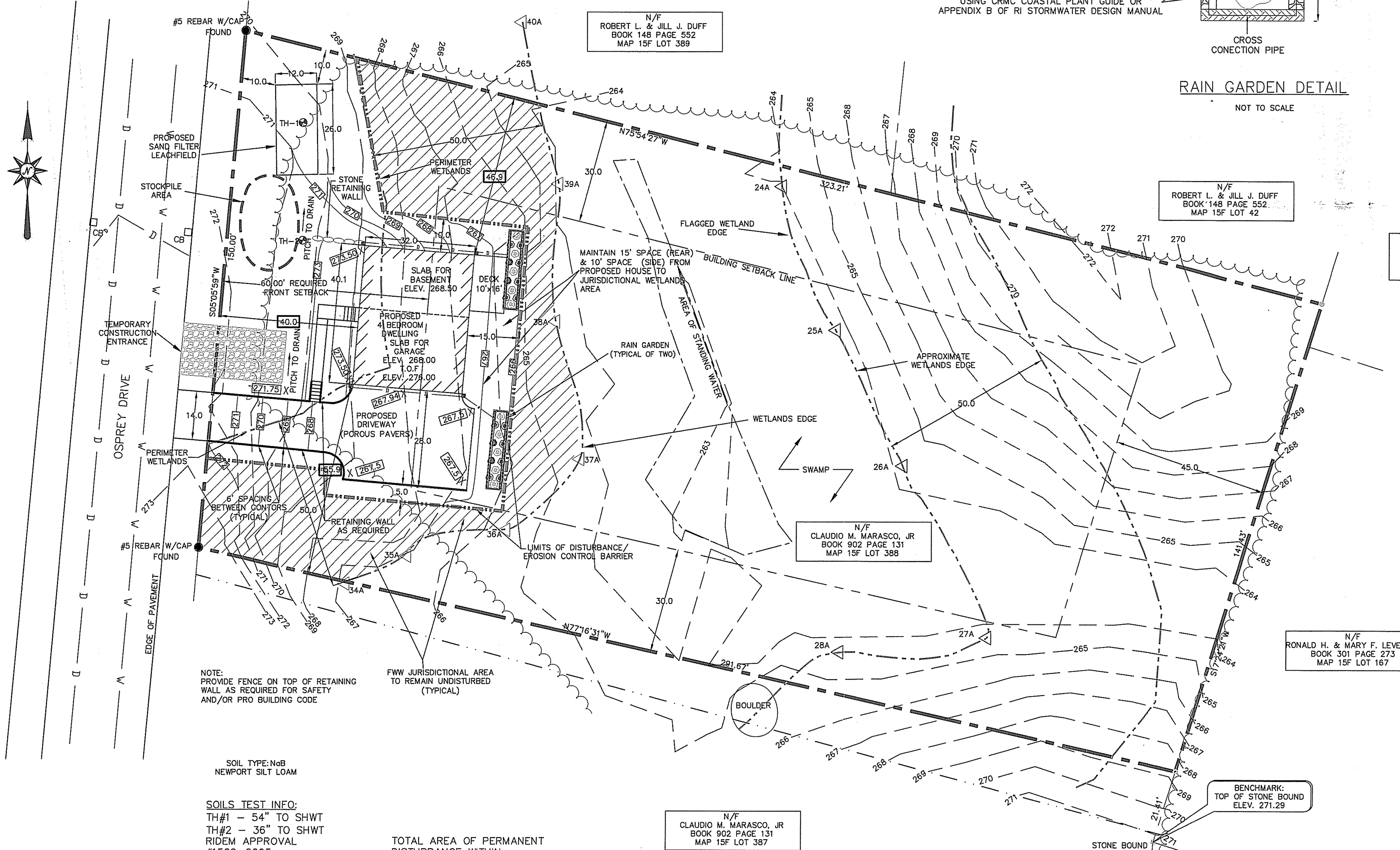
RAIN GARDEN DETAIL
NOT TO SCALE

FOR 8" DEEP RAIN GARDEN:
160 sf/1,000sf ROOF AREA

NEW ROOF 1,280 sf
REQUIRED AREA 1,280/1,000X160=204.8 sf
AREA PROVIDED 2X23X4.5=207sf



LOCUS PLAN
NOT TO SCALE



SOIL TYPE: NoB
NEWPORT SILT LOAM

SOILS TEST INFO:
TH#1 – 54" TO SHWT
TH#2 – 36" TO SHWT
RIDEM APPROVAL
#1509–0695
AUGUST 18, 2015

ZONE: F–1
MIN. LOT AREA: 1 ACRE
MIN. FRONTAGE: 150'

SETBACKS:
FRONT – 60'
SIDE – 30'
REAR – 45'

NOTE:
20' FRONT SETBACK VARIANCE REQUIRED

TOTAL AREA OF PERMANENT DISTURBANCE WITHIN JURISDICTIONAL WETLANDS
AREA = 4145sf

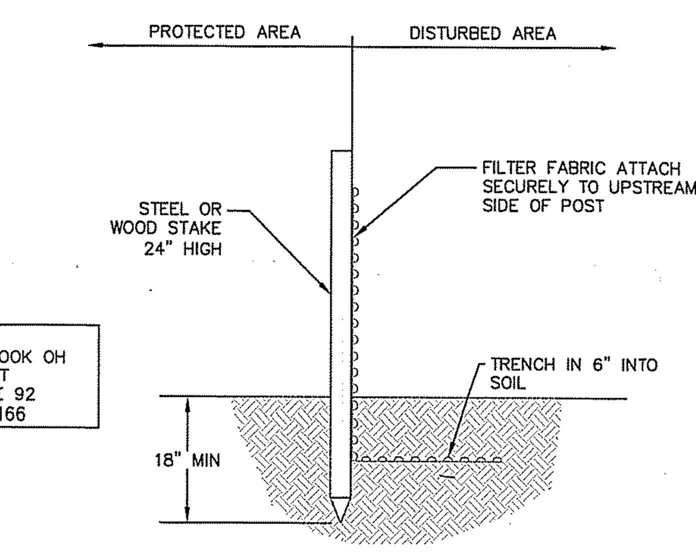
RIDEM FWW
#15–0213
PERMIT TO ALTER FRESHWATER WETLANDS
NOVEMBER 16, 2016

SITE PLAN
SCALE: 1" =20'

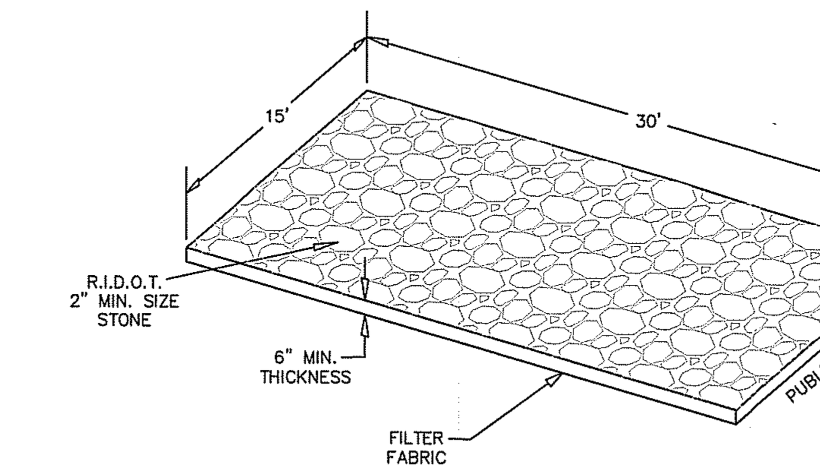
REFERENCE PLAN:
PLAN ENTITLED "SITE PLAN PREPARED FOR CLAUDIO MARASCO PLAT 15, LOTS 387 & 388 OSPREY DRIVE EAST GREENWICH"
DATED: SEPTEMBER 5, 2008
BY: CHERENZIA & ASSOCIATES, LTD

NOTE:
ALL PROPERTY LINES & TOPOGRAPHY ARE PER REFERENCE PLAN. WETLANDS FLAGS LOCATIONS REVISED BY NRS & SEI

WETLANDS FLAGGING BY:
NATURAL RESOURCE SERVICES



SEDIMENT CONTROL BARRIER DETAIL
NOT TO SCALE



CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

LEGEND

PROPERTY LINE
ZONING SETBACK
EXISTING CONTOUR
PROPOSED CONTOUR
EDGE OF PAVEMENT
EROSION CONTROL BARRIER
WETLANDS FLAG
EDGE OF WETLAND
STONEWALL
EXISTING WATER MAIN
EXISTING DRAIN
DRAIN PIPE
IRON ROD FOUND
TEST HOLE

EROSION CONTROL NOTES

1. PRIOR TO START AND AT END OF CONSTRUCTION, CONTRACTOR SHALL NOTIFY TOWN OF EAST GREENWICH BUILDING OFFICIAL.

2. AN EROSION CONTROL BARRIER IS TO BE IN PLACE AND PROPERLY MAINTAINED DURING ALL EXCAVATION WORK. THE EXTENT OF THE BARRIER IS SHOWN ON SITE PLAN. THE EXTENT OF DISTURBANCE WILL BE LIMITED TO THE CONFINES OF THE BARRIER.

3. INSTALLATION REQUIREMENTS FOR THE BARRIER SHALL BE IN STRICT ACCORDANCE WITH THE DETAIL. THE BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN FINISHED GRADED AND STABILIZED WITH LOAM AND SEED. ANY AREAS THAT WILL REMAIN DISTURBED FOR A PERIOD LONGER THAN 30 DAYS SHALL BE COVERED WITH A LAYER OF STRAW MULCH.

4. THE EXISTING GRAVEL DRIVEWAY SHALL BE USED AS A CONSTRUCTION ENTRANCE. TRUCK TRAFFIC IS TO BE CONFINED TO THE DRIVEWAY AREA. THE TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE AND SHALL REMAIN IN PLACE THROUGHOUT THE SITE DISTURBANCE PHASE OF CONSTRUCTION. PRIOR TO FINAL FILLING AND GRADING OF THE SITE, THE CRUSHED STONE MATERIAL MAY BE LEFT IN PLACE FOR THE DRIVEWAY.

5. IF ENTRANCE SLOPES TOWARDS ROAD, PLACE HAY BALES AT ENTRANCE AT END OF DAY.

6. THE ANTICIPATED TEMPORARY STOCKPILE AREA IS INDICATED ON THE SITE PLAN. THE CONTRACTOR MAY ADJUST THE LOCATION OF THE AREA AS MAY BE CONVENIENT FOR OPERATION PURPOSES. THE LOCATION MAY BE ANYWHERE WITHIN THE AREA PROTECTED BY THE EROSION CONTROL BARRIER. SHOULD THE CONTRACTOR DECIDE TO STOCKPILE OUTSIDE OF THE PROTECTED AREA, A SEPARATE EROSION CONTROL BARRIER MUST BE INSTALLED AND MAINTAINED ON THE DOWN GRADIENT SIDE OF THE STOCKPILE.

7. UPON COMPLETION OF SITE WORK, ALL DISTURBED AREAS SHALL BE STABILIZED WITH LOAM AND SEED. IN ADDITION, A LAYER OF STRAW MULCH SHALL BE PROVIDED.

IF IMPLEMENTED AS DESIGNED NO IMPACTS TO NEIGHBORS WOULD RESULT FROM THIS PROJECT.

UTILITY NOTE

ANY UTILITIES SHOWN ON THESE PLANS ARE BASED ON SURVEYED LOCATIONS OF VISIBLE HARDWARE AND PLOTTING OF THE "APPROXIMATE LOCATIONS" OF THE LINES FROM ANY AVAILABLE UTILITY PLANS. THE ACTUAL LOCATIONS OF THE LINES WILL NEED TO BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH STATE LAWS. THE UTILITY COMPANIES DO NOT MARK OUT THE LOCATIONS OF UTILITIES FOR SURVEYS. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE ACTUAL LOCATIONS OF ALL UTILITIES BY CONTACTING DIG SAFE AT 1–888–344–7233 AND ALL LOCAL DEPARTMENTS OF PUBLIC WORKS AND WATER AND SEWER DEPARTMENTS.

1. UNDERGROUND UTILITIES SHOWN ARE A COMPILATION OF FIELD AND RECORD INFORMATION. THEY ARE NOT WARRANTIED TO BE EXACT, NOR IS IT WARRANTIED THAT ALL UNDERGROUND UTILITIES ARE SHOWN.
2. SITE ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES INACCURATELY SHOWN OR OMITTED.
3. BEFORE PLANNING FUTURE CONNECTIONS, THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES AND UTILITIES SHALL BE VERIFIED IN THE FIELD.

THIS SITE PLAN IS THE RESULT OF A LIMITED TOPOGRAPHIC SURVEY. LOT LINES ARE PER THE TAX ASSESORS PLAT MAP AND/OR APPLICABLE REFERENCE PLAN(S) OR DEED(S) AS MAY BE CALLED OUT, THE LOCATION OF WHICH IS ONLY APPROXIMATE. THE LOT LINES DEPICTED HEREON DO NOT REPRESENT A BOUNDARY (CLASS I) SURVEY, WHICH CAN ONLY BE DONE BY A LICENSED LAND SURVEYOR. THE TOPOGRAPHY/SITE PLAN IS HOWEVER INTENDED TO MEET THE STANDARDS OF A CLASS III MEASUREMENT SPECIFICATION AS DEFINED IN THE RULES OF LAND SURVEYING.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 6 2017 FILE # 15-0213
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

FEB 22 2017
Office of Water Resources

OWNER INFO:
CLAUDIO M MARASCO JR
20 OSPREY DRIVE
EAST GREENWICH, RI 02818

RON T. BLANCHARD
STATE OF RHODE ISLAND
No. 6016
HOPE
REGISTERED PROFESSIONAL ENGINEER

001	PER CLIENT AND BIOLOGIST COMMENTS	06/29/15
002	PER CLIENT COMMENTS	07/09/15
003	DRAINAGE DESIGN / FINALIZED PLAN	08/19/15
004	PER CLIENT COMMENTS	09/10/15
005	MINOR FINAL EDITS	09/16/15
006	REVISED WETLANDS LINE	04/11/16
007	PER RIDEM COMMENTS	06/03/16
008	MINOR REVISIONS	06/08/16
009	NEW LOCUS PLAN	07/19/16
010	MINOR GRADE/ELEVATION CHANGES	01/19/17
011	SHOW THS & DIMS & REV SURVEY REF PLAN	01/24/17

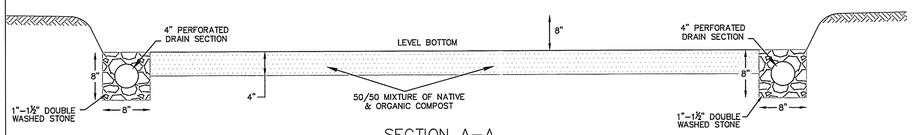
DSGN. RB
DR. JMC/VS
CHK. RB
DATE: 06/04/15

SEI
SITE ENGINEERING INC.
CIVIL • COASTAL • STRUCTURAL
75 WOOD ST.
BRISTOL, RI 02809
PHONE: (401) 253–8231

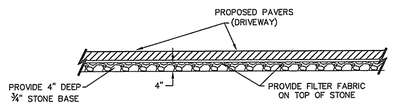
FRESH WATER WETLANDS SITE PLAN
(REVISED FOR ZONING APPLICATION)
DRAINAGE & EROSION CONTROL PLAN
EAST GREENWICH PLAT 15, LOT 388, RHODE ISLAND

SCALE: AS NOTED

SP-1



SECTION A–A
NOT TO SCALE



1" RAINFALL PER SQUARE FOOT DRIVEWAY AREA @ 30% VOID SPACE FOR STONE

1"/12 IN/FT = 0.08'
4"/12 IN/FT x 0.30 = 0.10' > 0.08'

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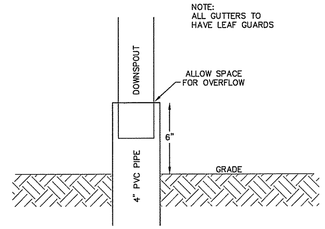
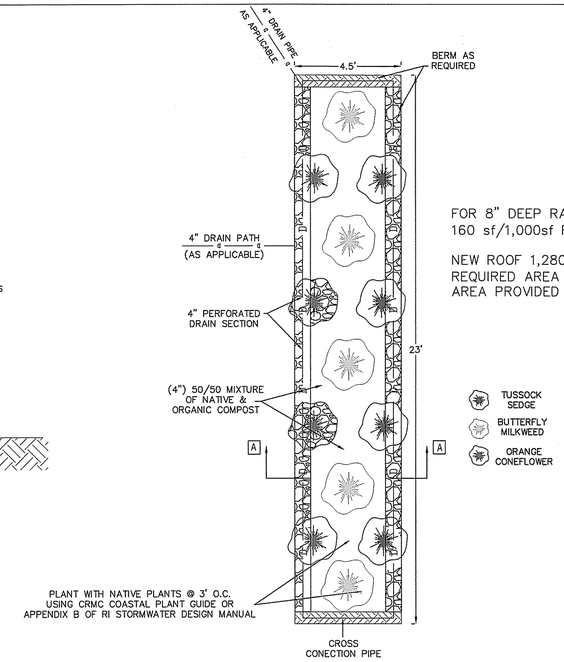


DOWNSPOUT DETAIL
NOT TO SCALE



FOR 8" DEEP RAIN GARDEN:
160 sf/1,000sf ROOF AREA

NEW ROOF 1,280 sf
REQUIRED AREA 1,280/1,000X160=204.8 sf
AREA PROVIDED 2X23X4.5=207sf

RAIN GARDEN DETAIL
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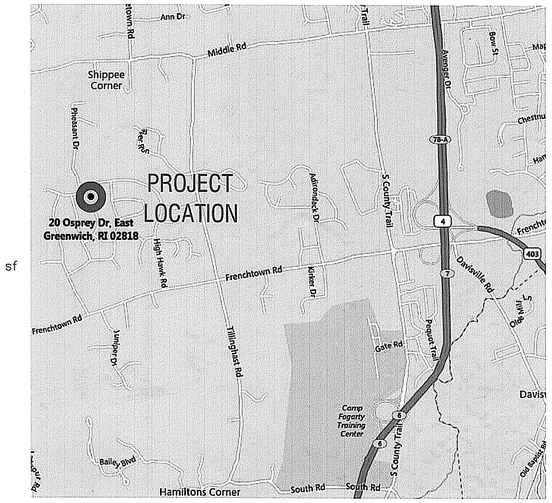
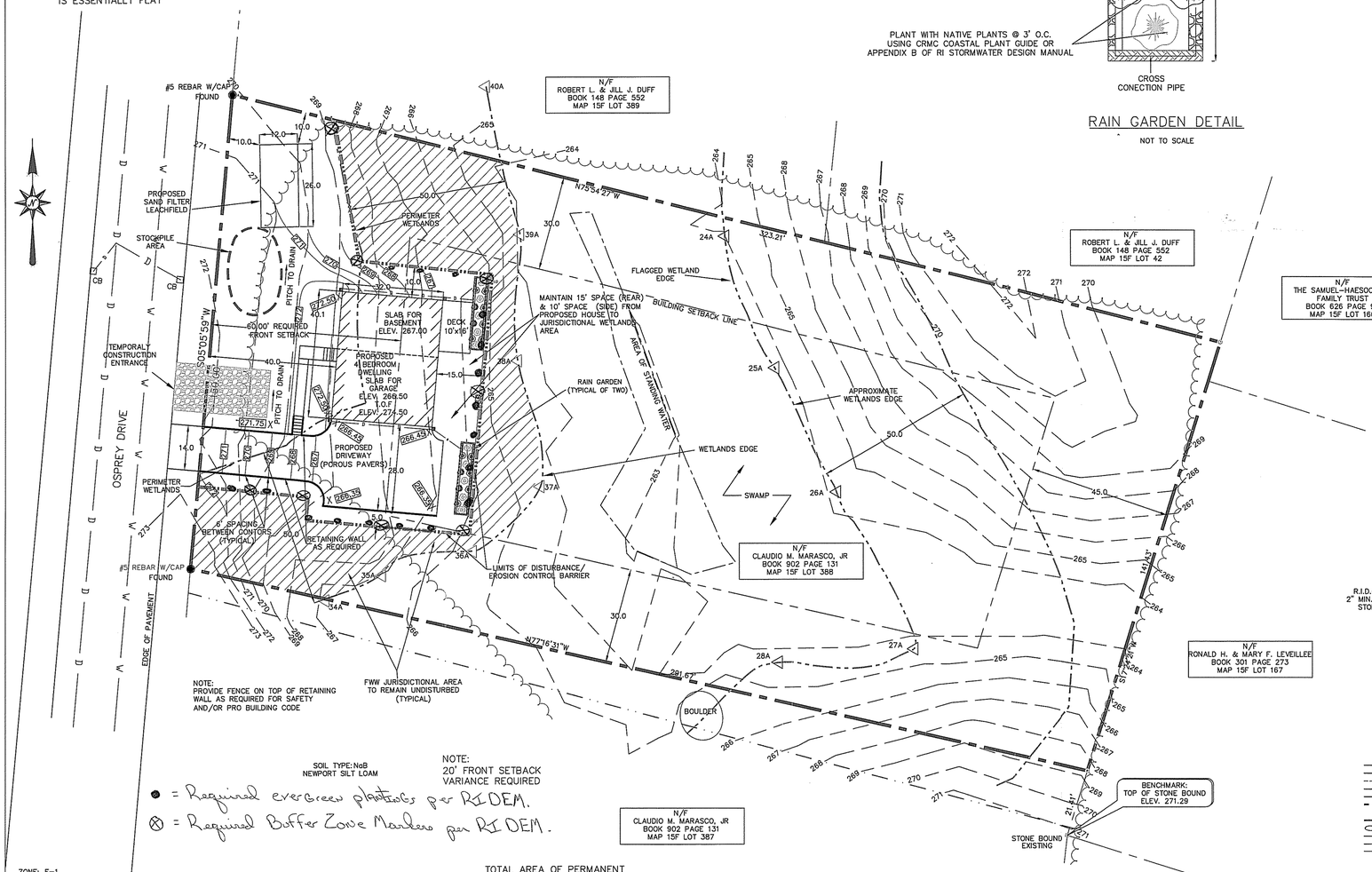


LOCUS PLAN
NOT TO SCALE



NOTE:
PROVIDE FENCE ON TOP OF RETAINING WALL AS REQUIRED FOR SAFETY AND/OR PRO BUILDING CODE

SOIL TYPE:NoB
NEWPORT SILT LOAM

NOTE:
20' FRONT SETBACK VARIANCE REQUIRED

● = Required evergreen plantings per RIDEM.
⊗ = Required Buffer Zone Markers per RI DEM.

ZONE: F-1
MIN. LOT AREA: 1 ACRE
MIN. FRONTAGE: 150'

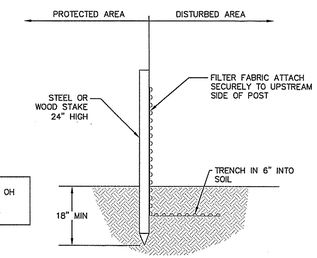
SETBACKS:
FRONT – 60'
SIDE – 30'
REAR – 45'

TOTAL AREA OF PERMANENT DISTURBANCE WITHIN JURISDICTIONAL WETLANDS AREA = 4145sf

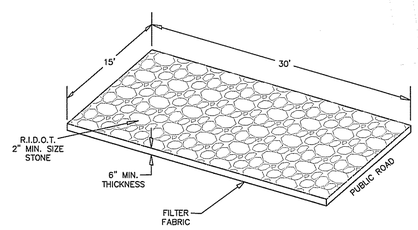
SITE PLAN
SCALE: 1" =20'

REFERENCE PLAN:
ELECTRONIC SITE PLAN
BY: CHERENZIA ENGINEERING
DATE: 5/5/2015

NOTE:
ALL PROPERTY LINES & TOPOGRAPHY ARE PER REFERENCE PLAN.



SEDIMENT CONTROL BARRIER DETAIL
NOT TO SCALE



CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

LEGEND

- PROPERTY LINE
- ZONING SETBACK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EDGE OF PAVEMENT
- EROSION CONTROL BARRIER
- WETLANDS FLAG
- EDGE OF WETLAND
- STONEWALL
- EXISTING WATER MAIN
- EXISTING DRAIN
- DRAIN PIPE
- IRON ROD FOUND

WETLANDS FLAGGING BY:
NATURAL RESOURCE SERVICES

EROSION CONTROL NOTES

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IF IMPLEMENTED AS DESIGNED NO IMPACTS TO NEIGHBORS WOULD RESULT FROM THIS PROJECT.

JUL 28 2015

UTILITY NOTE

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3. BEFORE PLANNING FUTURE CONNECTIONS, THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES AND UTILITIES SHALL BE VERIFIED IN THE FIELD.

THIS PLAN/REPORT IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

OWNER INFO:
CLAUDIO M MARASCO JR
20 OSPREY DRIVE
EAST GREENWICH, RI 02818

RON T. BLANCHARD
STATE OF RHODE ISLAND
Ron T. Blanchard
No. 6016
REGISTERED PROFESSIONAL ENGINEER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED NOV 16 2015 FILE # 15-0213
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

001	PER CLIENT AND BIOLOGIST COMMENTS	06/29/15
002	PER CLIENT COMMENTS	07/09/15
003	DRAINAGE DESIGN / FINALIZED PLAN	08/19/15
004	PER CLIENT COMMENTS	09/10/15
005	MINOR FINAL EDITS	09/15/15
006	REVISED WETLANDS LINE	06/04/16
007	PER RIDEM COMMENTS	06/03/16
008	MINOR REVISIONS	06/08/16
009	NEW LOCUS PLAN	07/19/16

REVISIONS

DSGN. RB
DR. JMC/VS
CHK. RB
DATE: 06/04/15

SITE ENGINEERING INC.
CIVIL • COASTAL • STRUCTURAL
75 WOOD ST
BRISTOL, RI 02809
PHONE: (401) 253-8231

FRESH WATER WETLANDS SITE PLAN

DRAINAGE & EROSION CONTROL PLAN

PLAT 15, LOT 388,
EAST GREENWICH RHODE ISLAND

SCALE: AS NOTED

SP-1

SEI Projects/Site Plans/15-Marasco/9Marasco 06.08.16.dwg