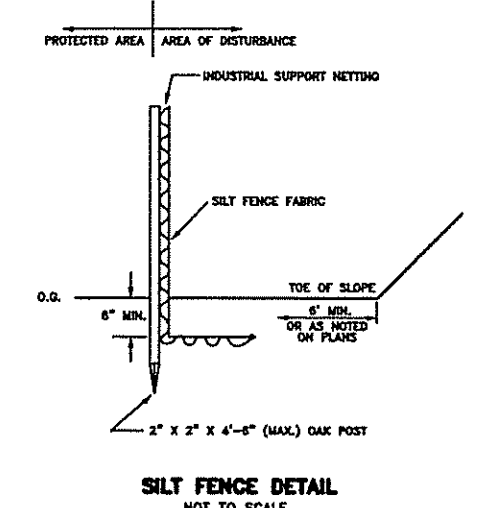
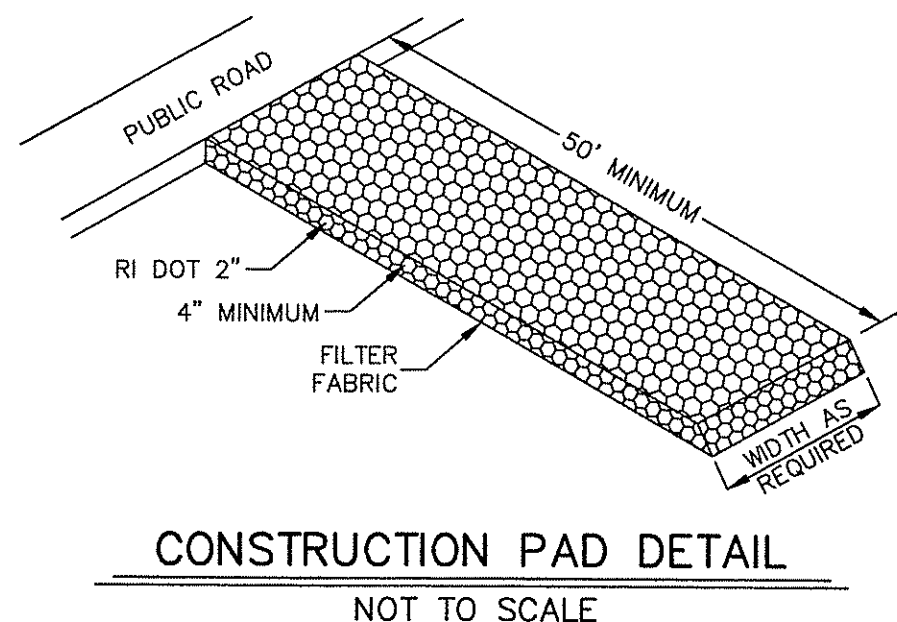


LEGEND

- PL PROPERTY LINE
- FND FOUND
- IP IRON PIPE
- N/F NOW OR FORMERLY
- S.F. SQUARE FEET
- ELEV. ELEVATION
- INV. INVERT
- S SLOPE
- WF# WETLAND FLAG
- TYP. TYPICAL



- NOTES:
1. THE PARCELS ARE PLAT 114, LOTS 202 AND 202A.
 2. THE TOTAL AREA OF PLAT 114, LOT 202 IS 21,122 S.F. OR 0.4849 ACRES. THE TOTAL AREA OF PLAT 114, LOT 202A IS 20,232 S.F. OR 0.4645 ACRES.
 3. THE EXISTING DWELLING ADDRESS ON PLAT 114, LOT 202 IS 81 MORRISON AVENUE.
 4. THE PARCELS ARE ZONED: R-20.
 5. SEE DEED BOOK 146 AT PAGE 206 FOR TITLE REFERENCE.
 6. THE BASIS OF BEARING IS MAGNETIC AND WAS TAKEN FROM A MAGNETIC READING PERFORMED DURING THE SURVEY FIELD WORK ON MAY 26, 2016.



SEDIMENTATION AND EROSION CONTROL:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

EROSION & SOIL STABILIZATION PROGRAM:

1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

SEDIMENTATION CONTROL PROGRAM:

1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
2. ALL HAY BALES USED WITH THE SILT FENCE ARE TO HAVE TWO STAKES DRIVEN INTO EACH HAY BALE.
3. THE SILT FENCE AND HAY BALES ARE TO BE INSPECTED DAILY AND REPLACED AS NEEDED.
4. ALL SEDIMENTATION AND EROSION CONTROLS MUST BE INSTALLED AND PASS THE TOWN'S INSPECTION PRIOR TO ANY CONSTRUCTION WORK.
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

SLOPE STABILIZATION AND VEGETATION:

1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
6. PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

SIZING CALCULATION FOR RAIN GARDEN PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE B: RAIN GARDEN SIZING GUIDANCE

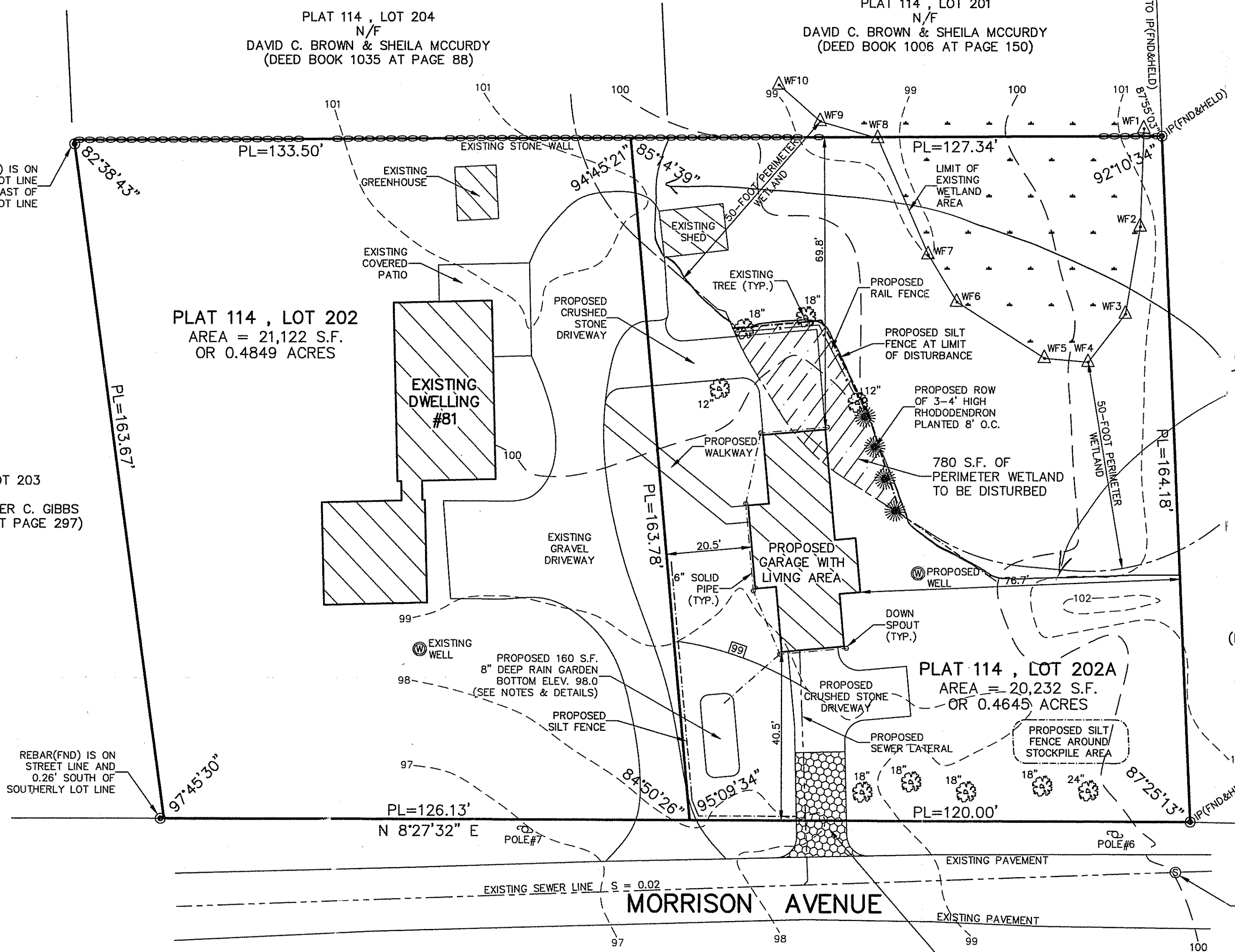
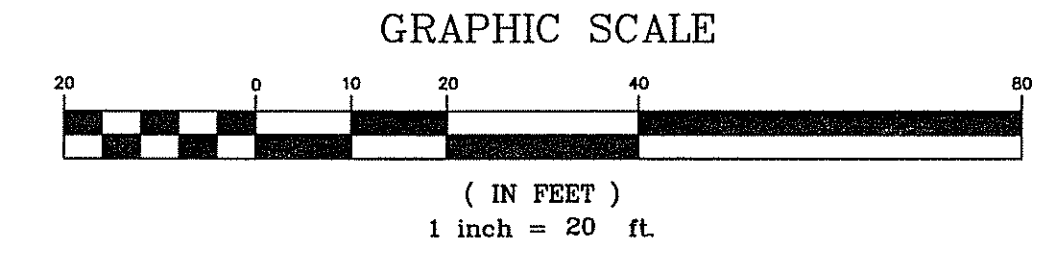
- * RAIN GARDEN IS FOR RUN-OFF FROM PROPOSED 945 S.F. GARAGE
- * PROPOSED IMPERVIOUS AREA = 945 S.F.
- * RAIN GARDEN DEPTH = 8 INCHES
- * SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1-INCH STORM EVENT)
- * 945 S.F. X 0.16 = 152 S.F. RAIN GARDEN AREA NEEDED
- * PROPOSED RAIN GARDEN BOTTOM AREA = 160 S.F.

RAIN GARDEN NOTES:

1. RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER POUNDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
6. PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.
7. THE PROPOSED PLANTINGS FOR THE RAIN GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT WWW.URI.EDU/CEIS/COCC/COASTALPLANTS/COASTALPLANTGUIDE.HTM.
8. THE RAIN GARDEN SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTION.

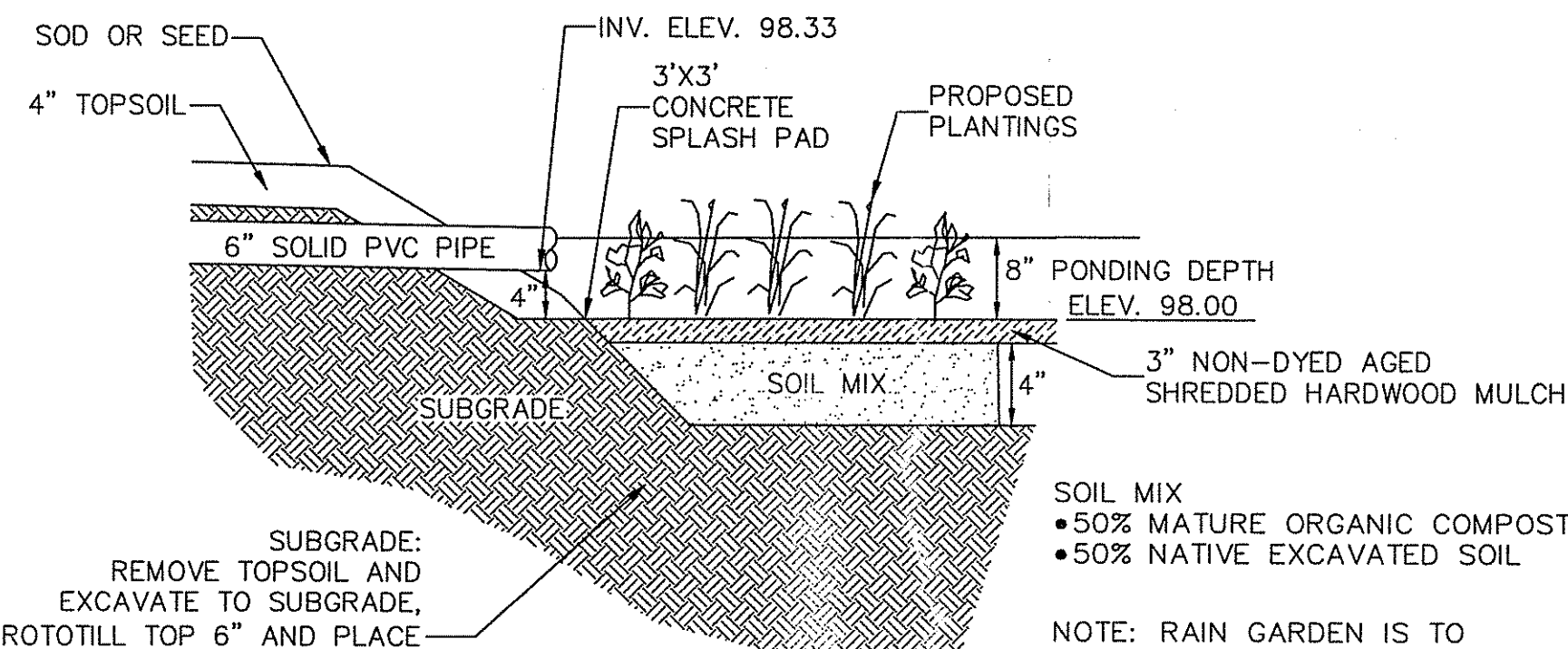
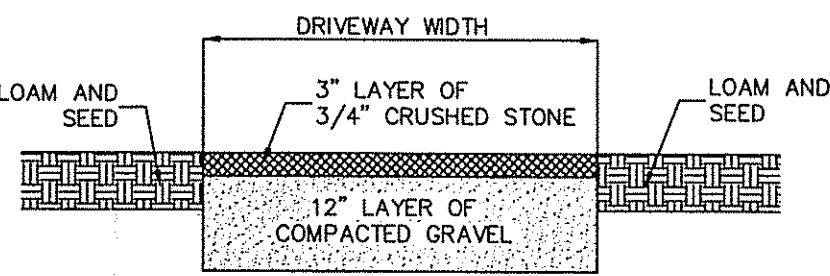
PLAN REFERENCE:

1. PLAN ENTITLED "LOT 202, PLAT E-114, PARCELS A & B, LAND OF BARBARA D. FRANCISCO, MIDDLETOWN, RHODE ISLAND, JUNE 28, 1983, SCALE: 1"=40", BY HAROLD E. ST. JOHN," WHICH PLAN IS RECORDED IN THE TOWN OF MIDDLETOWN REGISTRY OF DEEDS IN PLAT BOOK 13, MAP 153.



Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

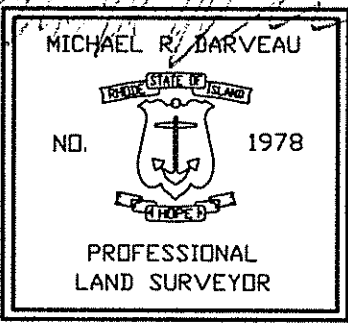
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO: 16-0276
DATED DEC 07 2016
SEE LETTER OF SAME DATE



THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY: LIMITED CONTENT BOUNDARY SURVEY DATA ACCUMULATION SURVEY
MEASUREMENT SPECIFICATION: CLASS I CLASS III

STATEMENT OF PURPOSE: THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
1) PREPARE AN EXISTING CONDITIONS PLAN OF PLAT 114, LOTS 202 AND 202A FOR THE CURRENT OWNER. THE SURVEY FIELD WORK WAS PERFORMED ON MAY 26, 2016.



BY: *Michael R. Darveau*
MICHAEL R. DARVEAU, PLS#1978
PRESIDENT, DARVEAU LAND SURVEYING, INC.
DATE: 10/25/16
COA #LS-A497

DARVEAU LAND SURVEYING, INC.
Environmental Management
NOV 04 2016
Office of Water Resources

P.O. BOX 7918
CUMBERLAND, R.I. 02864
PHONE 401-475-5700
E-MAIL: DARVEAUSURVEY@COX.NET

PROPOSED SITE PLAN FOR
SHEILA MCCURDY
PLAT 114, LOTS 202 & 202A
81 MORRISON AVENUE
MIDDLETOWN, RHODE ISLAND

SCALE: 1" = 20'
DRAWN BY: S.A.K.
REVISED:
DATE: OCT. 25, 2016
PROJECT NO: 2016_020
SHEET NO: 1 OF 1