

LEGEND

N/F	NOW OR FORMERLY PROPERTY LINE
PL	R.I. HIGHWAY BOUND
RHIB	FOUND
FND	SQUARE FEET
S.F.	TOP OF FOUNDATION
T.O.F.	ELEVATION
TH	TEST HOLE
O.W.T.S.	ON-SITE WASTEWATER TREATMENT SYSTEM
UP	UTILITY POLE
MIN.	MINIMUM
TYP.	TYPICAL
BK	BOOK
PG	PAGE

SOIL EVALUATION TEST HOLE ELEVATIONS:

GROUND AT TH#1	90.0
WATER TABLE AT TH#1	85.0
GROUND AT TH#2	88.0
WATER TABLE AT TH#2	83.0

LOCUS
NOT TO SCALE

GENERAL CONTRACTOR'S NOTES:

- ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE TAKEN FROM EXISTING FIELD LOCATION AND/OR EXISTING PLANS.
- NO EXCAVATION IS TO OCCUR UNTIL "DIG SAFE" AND ALL APPROPRIATE UTILITY COMPANIES HAVE BEEN NOTIFIED AND MARKED THE EXACT LOCATION ON THE GROUND.

WATER NOTES:

- THE BEDDING FOR THE PROPOSED WATER SERVICE SHALL BE SAND, 8" AROUND THE SERVICE. IN AREAS OF LEDGE, THE SAND WILL BE 12" AROUND THE SERVICE.
- THE PROPOSED WATER SERVICE IS TO BE 1" TYPE K COPPER TUBING.

SEDIMENTATION AND EROSION CONTROL:

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

EROSION & SOIL STABILIZATION PROGRAM:

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

SEDIMENTATION CONTROL PROGRAM:

- A TEMPORARY SILT FENCE, HAY BALES, WATTLES, OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED CONTINUALLY. 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.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

SLOPE STABILIZATION AND VEGETATION:

- ALL CONTROLS 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.
- THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
- MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
- 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.
- 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.
- PROVIDED THAT THE PROVISIONS OF THIS SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

RAIN GARDEN CALCULATIONS:

- RAIN GARDEN SIZING CALCULATION PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE 8: RAIN GARDEN SIZING.
- TOTAL IMPERVIOUS AREA = 1,696 S.F. DWELLING
- RAIN GARDEN DEPTH = 8-INCHES
- SOIL TYPE: SANDY SOILS = 0.08 SIZING FACTOR
- 1,696 S.F. AREA x 0.08 = 136 S.F. NEEDED
- RAIN GARDEN AREA PROPOSED = 140 S.F.

RAIN GARDEN NOTES:

- 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.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
- 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.
- 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 CELS.URI.EDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.

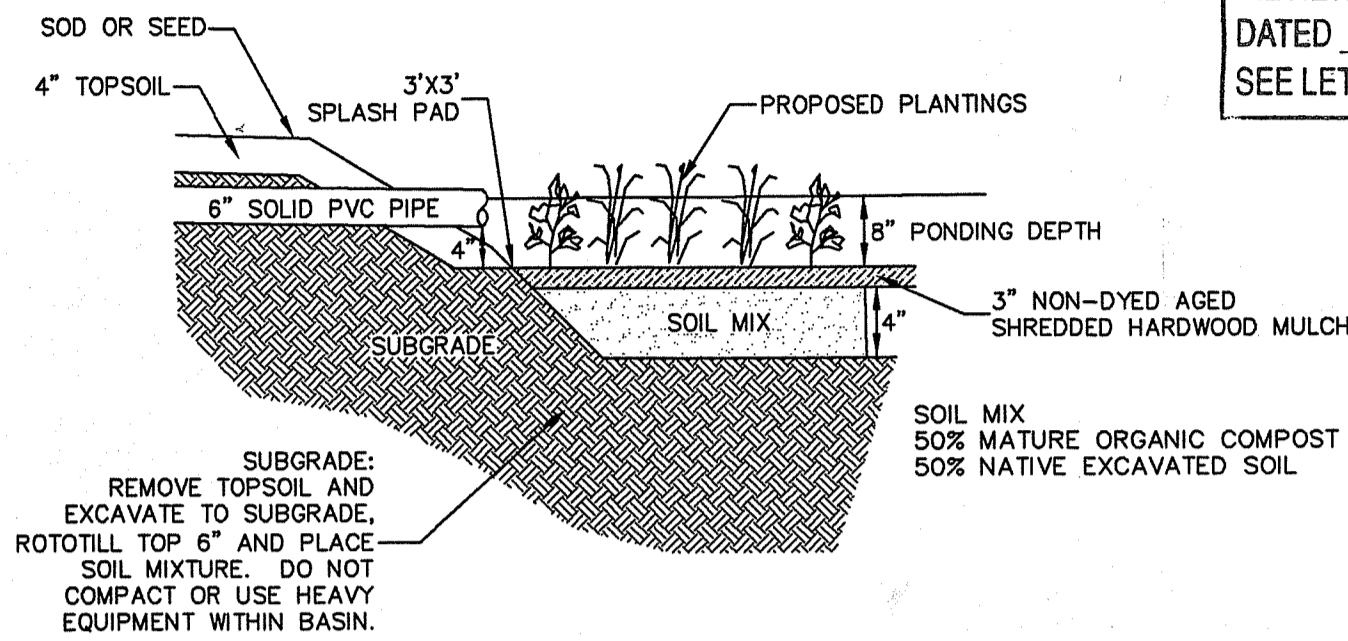
GENERAL NOTES:

- THE PARCEL IS PLAT 39, LOT 270.
- THE TOTAL PARCEL AREA IS 21,296 S.F. OR 0.4889 ACRES.
- THE PARCEL IS ZONED: R-1.
- THE OWNER OF THE PARCEL IS: JOHN C. RAINHA, 57 BEACH ROAD, CUMBERLAND, RI 02864

TABLE OF PROPOSED DWELLING ELEVATIONS:

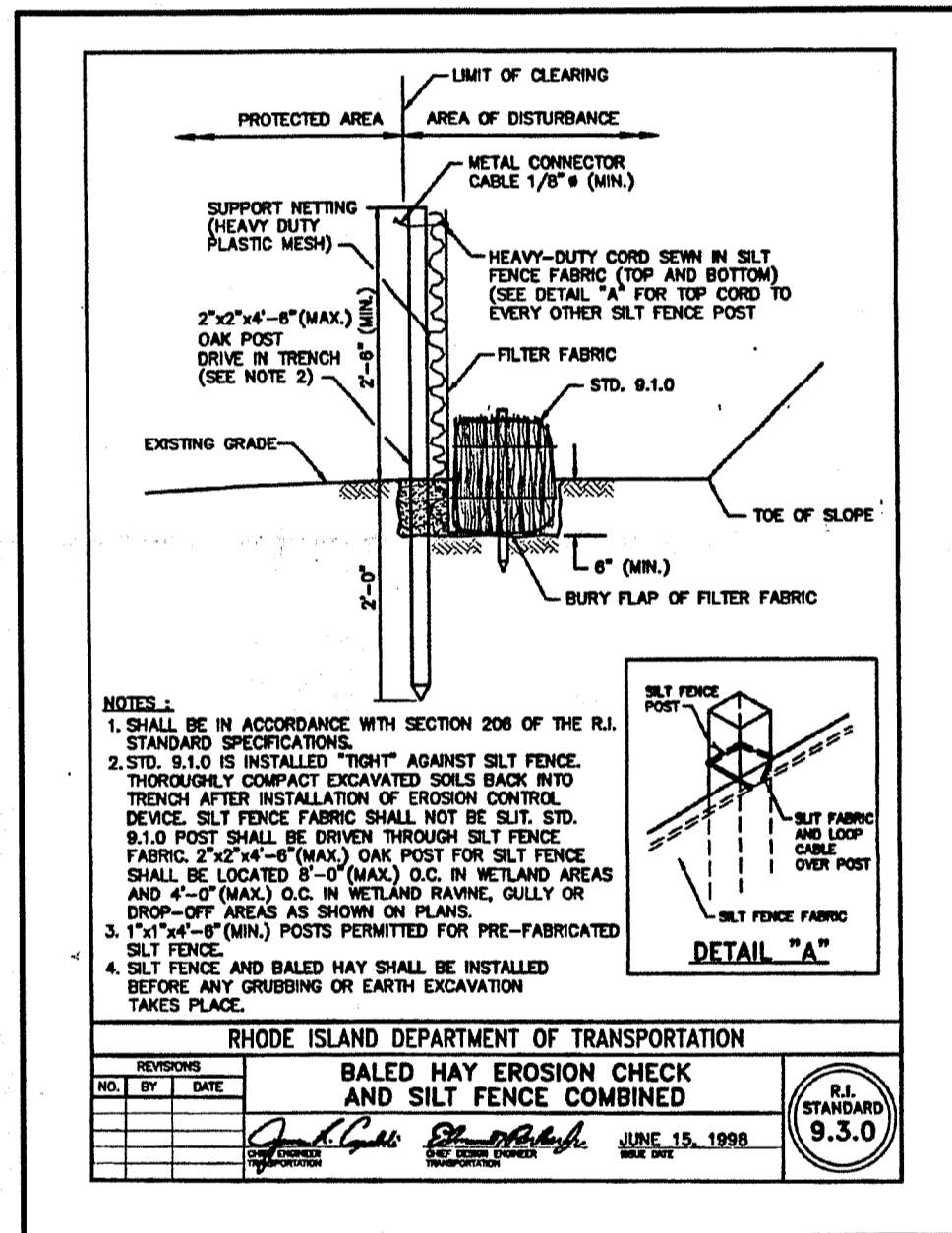
TOF OF FOUNDATION	102.0
GARAGE SLAB	101.0
BASEMENT SLAB	94.0±

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 20-0104
DATED MAY 27 2020
SEE LETTER OF SAME DATE.



RAIN GARDEN CROSS-SECTION

NOT TO SCALE



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

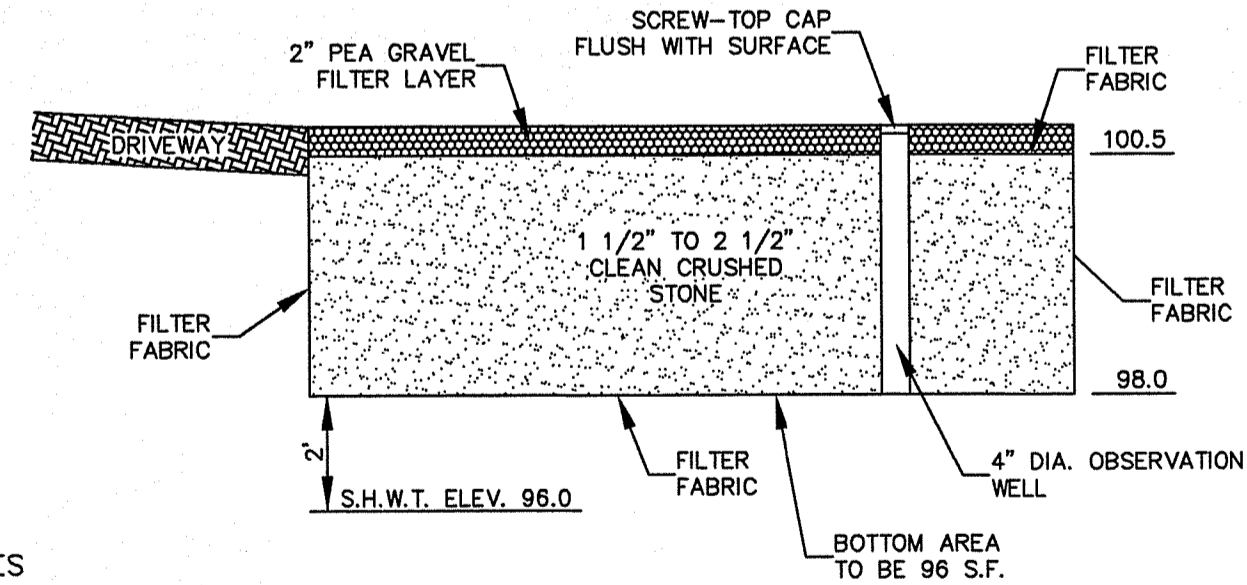
BALED HAY EROSION CHECK AND SILT FENCE COMBINED
DATE: DEC 15, 1998
R.I. STANDARD 9.3.0

CRUSHED STONE INFILTRATION TRENCH CALCULATIONS:

- INFILTRATION AREA TO BE FOR THE PROPOSED DRIVEWAY
- TOTAL IMPERVIOUS AREA = 1,180 S.F.
- INFILTRATION TRENCH CALCULATION PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLES 10 AND 11: SIZING GUIDANCE FOR INFILTRATION TRENCHES
- TOTAL DEPTH = 30 INCHES
- SOIL TYPE: SANDY SOILS = 0.08 SIZING FACTOR
- 1,180 S.F. AREA x 0.08 = 94.4 S.F.
- BOTTOM AREA OF PROPOSED INFILTRATION AREA = 96 S.F.

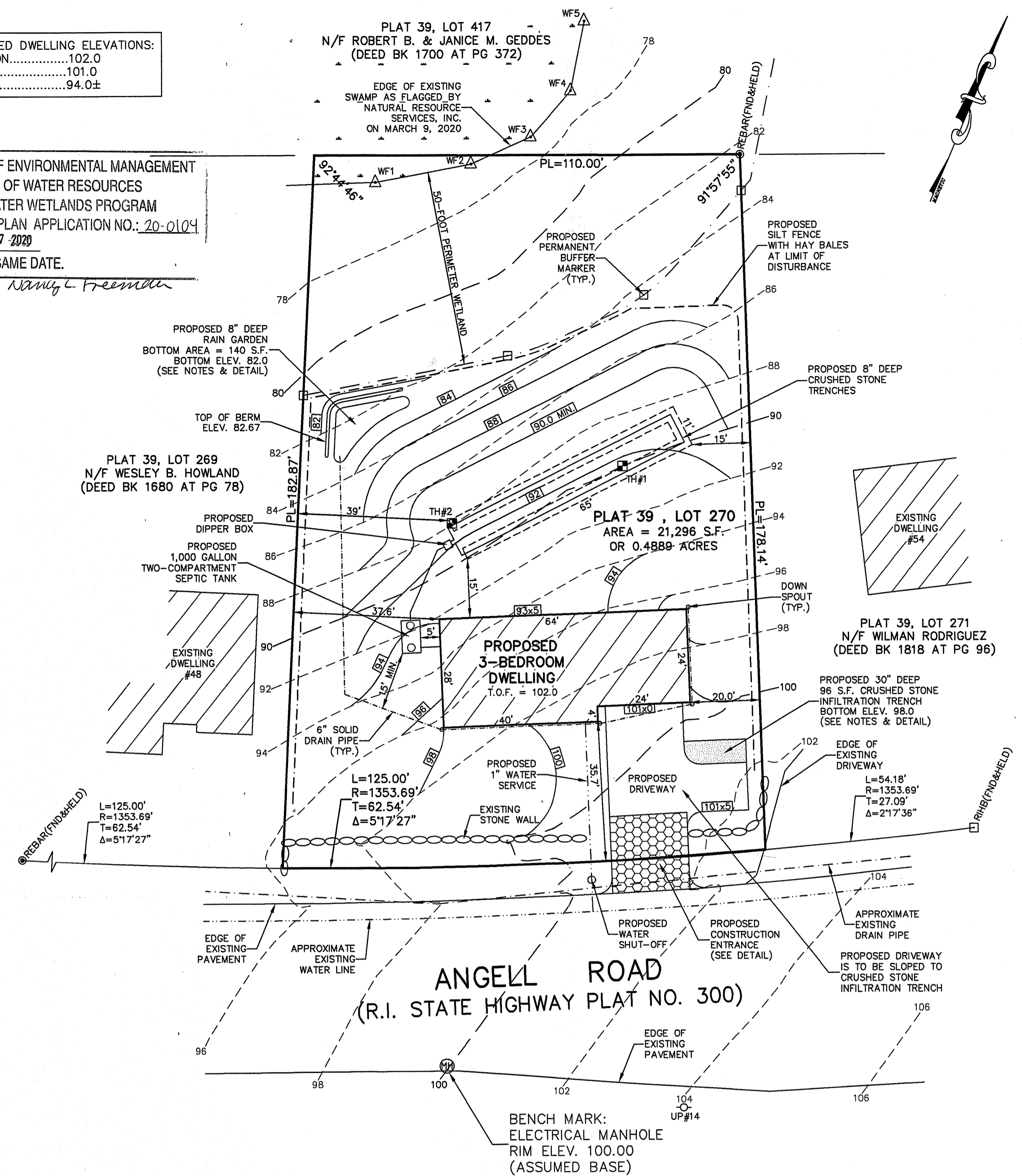
MAINTENANCE PLAN FOR THE STORMWATER MEASURES:

- THE OWNER IS RESPONSIBLE TO INSURE THAT THE ON-SITE STORMWATER MEASURES ARE MAINTAINED PROPERLY AND FUNCTIONING AS DESIGNED.
- THE ON-SITE STORMWATER MEASURES ARE TO BE INSPECTED ON AN ANNUAL BASIS OR AFTER ALL LARGE STORM EVENTS AND REPAIRED AS NEEDED.
- THE INSPECTION OF THE STORMWATER MEASURES WILL INCLUDE:
 - BUILDING GUTTERS AND DOWN SPOUTS
 - THE INFILTRATION TRENCH (THROUGH THE OBSERVATION WELL) AND MEASUREMENT OF SILTATION AT THE BOTTOM OF THE TRENCH.
 - THE DRIVEWAY AREA.
 - THE RAIN GARDEN AREA AND ASSOCIATED PLANTINGS.
 - ANY OTHER ITEMS THAT DO NOT ALLOW THE STORMWATER SYSTEMS TO OPERATE PROPERLY.
- THE STORMWATER MEASURES ARE TO BE REPAIRED IF THE FOLLOWING IS ENCOUNTERED DURING THE INSPECTION PROCESS:
 - CLOGGED GUTTERS AND/OR DOWN SPOUTS ARE TO BE CLEANED.
 - A LAYER OF SEDIMENT GREATER THAN 3-INCHES THICK IN THE BOTTOM OF THE INFILTRATION TRENCH IS TO BE VACUUMED OUT AND/OR DUG UP AND REPLACED.
 - ACCUMULATED SILTATION WITHIN THE RAIN GARDEN AREA IS TO BE REMOVED.
 - ALL UNHEALTHY VEGETATION IS TO BE REPLACED IN KIND.
 - THE BERM AROUND THE RAIN GARDEN MUST BE LEVEL AND AT THE PROPER ELEVATION.
 - ALL OTHER ISSUES THAT WILL NOT ALLOW THE STORMWATER SYSTEMS TO OPERATE PROPERLY ARE TO BE REPAIRED AS NEEDED.



TYPICAL INFILTRATION DETAIL

NOT TO SCALE



ANGELL ROAD
(R.I. STATE HIGHWAY PLAT NO. 300)

BENCH MARK:
ELECTRICAL MANHOLE
RIM ELEV. 100.00
(ASSUMED BASE)

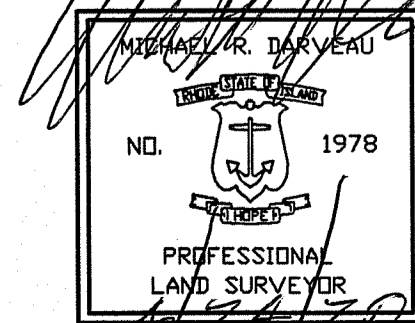
CONSTRUCTION PAD DETAIL

NOT TO SCALE

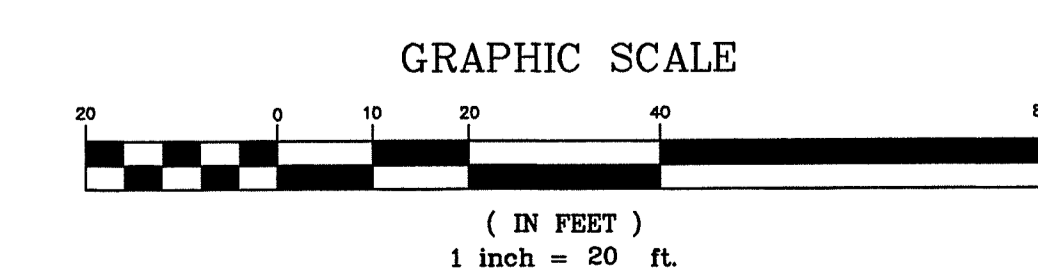
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY	CLASS I
DATA ACCUMULATION SURVEY	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 A PROPOSED SITE PLAN.



BY: *Michael R. Darveau*
MICHAEL R. DARVEAU, PLS #1978
PRESIDENT, DARVEAU LAND SURVEYING, INC.
DATE: 4/24/20
COA #LS-A497



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

PROPOSED SITE PLAN FOR
JOHN RAINHA
PLAT 39, LOT 270
50 ANGELL ROAD
CUMBERLAND, RHODE ISLAND

SCALE: 1" = 20'
DRAWN BY: S.A.K.

REVISIONS:
PROJECT NO: 2010_003
SHEET NO: 1 OF 1
DATE: APR. 24, 2020