

EROSION CONTROL AND SOIL STABILIZATION PLAN

1. DENUDED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF THE TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 19, SHALL BE SEEDED OR PROTECTED NO LATER THAN THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. SEEDING AND LANDSCAPING SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (HEREINAFTER REFERRED TO AS THE "BLUEBOOK") SECTION L.02 "SEEDING", AND SECTION M.18 "LANDSCAPING MATERIALS".
4. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, SOD, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS. LOAM SHALL BE HIGH IN ORGANIC MATTER FREE FROM BOULDERS/STONES GREATER THAN 3/4" AND OTHER DELETERIOUS MATTER SUCH AS STICKS, SOD CLUMPS, TRASH, ETC. MUCK/FEAT OR SEWER PLANT SCREENINGS/COMPOST ARE NOT ACCEPTABLE FOR USE AS LOAM.
5. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH APPROPRIATE INOCULUM FROM EACH VARIETY.
6. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

PARK MIX	TYPE	%BY WEIGHT	%BY VOLUME (PURE LIVE SEED)
RED FESCUE (CHEWING'S PENNLAWN OR CREEPING)	RED FESCUE	70	78
	KENTUCKY BLUEGRASS	15	68
	COLONIAL BENTGRASS (ASTORIA OR EXETER)	5	85
	PERENNIAL RYEGRASS	10	85
	SEEDING RATE: 100LBS/ACRE		
SLOPE MIX: RED FESCUE (CHEWING'S PENNLAWN OR CREEPING)	RED FESCUE	70	78
	COLONIAL BENTGRASS (ASTORIA OR EXETER)	10	85
	PERENNIAL RYEGRASS	10	85
	BIRDSFOOT TREFOIL (LOTUS CORNICULATA)	15	78
	SEEDING RATE: 100LBS/ACRE		

7. LIME SHALL BE APPLIED UNIFORMLY AT THE RATE OF 2,000 LBS./ACRE. WHERE HIGHLY ACIDIC SOILS ARE ENCOUNTERED APPLICATION SHALL BE AT THE RATE OF 4,000 TO 6,000 LBS./AC.
8. FERTILIZER (10-6-4 MIN.) SHALL BE SPREAD UNIFORMLY AFTER LIMING AT THE RATE OF 1,000 LBS./AC. ON FLATS AND 1,400 LBS./ACRE ON SLOPES (STEEPER THAN 3:1), OF WHICH 400 LBS. SHALL BE 0-25-25.
9. TEMPORARY TREATMENTS SHALL CONSIST OF HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
10. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2,000 LBS./ACRE.

11. ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
12. AREAS THAT DO NOT DEVELOP AN ACCEPTABLE STAND OF GRASS GROUND COVER WITHIN ONE (1) YEAR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR UNTIL SATISFACTORY PERFORMANCE IS ACHIEVED.
13. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPRING: MARCH 15TH TO MAY 30TH AND FALL: AUGUST 15TH TO OCTOBER 15TH. SEEDING AT OTHER THAN THESE TIMES SHALL BE ALLOWED ONLY WITH WRITTEN PERMISSION OF THE ENGINEER.
14. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STANDARD SPECIFICATIONS SECTION 202.
15. SOIL STABILIZATION AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
16. STOCKPILES OF TOPSOIL SHALL NOT BE LEFT UNATTENDED OR LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 3:1.
17. ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS. CONSIDERATION SHOULD BE GIVEN TO ANCHORING MAT TYPE MULCH.
18. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION.

SEDIMENTATION CONTROL PROGRAM

1. HAYBALE CHECK DAMS: (TEMPORARY)
 - A. ARE TO BE INSTALLED DOWNSTREAM WELL OUTSIDE THE LIMITS OF ANY PROPOSED CONSTRUCTION.
 - B. ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATIONS.
 - C. SHALL BE MAINTAINED ON A REGULAR BASIS.
 - D. SHALL CONFORM TO THE STANDARDS SET FOR THE BY THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT FOR THE DESIGN AND CONSTRUCTION OF LOG AND HAY EROSION CHECK DAMS TYPE "D".
2. DISTURBED AREAS WHICH ARE PARTICULARLY SENSITIVE TO EROSION SHALL RECEIVE A CRUSHED STONE OR SHARP ANGULAR RIPRAP TREATMENT IF OTHER METHODS OF STABILIZATION ARE UNSUCCESSFUL.
3. BANKS OR SLOPES NOT RECEIVING RIP RAP SHALL BE SEEDED AND PROTECTED WITH FIBER MULCH.
4. DURING CONSTRUCTION, THE CONTRACTOR AND OR THE DEVELOPER SHALL BE RESPONSIBLE FOR UTILIZING BEST MANAGEMENT PRACTICES TO CONTROL ENVIRONMENTAL DAMAGE THAT COULD RESULT FROM UNCHECKED STORMWATER RUNOFF.
5. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED REGULARLY. SPECIAL ATTENTION SHOULD BE GIVEN AFTER A HEAVY OR PROLONGED RAINFALL.

GENERAL NOTES:

1. THE TOPOGRAPHY AND PHYSICAL FEATURES, ETC. FOR THIS SITE WERE OBTAINED BY AN ON SITE SURVEY. ELEVATION DATUM IS ASSUMED.
2. THERE IS NO PUBLISHED FLOOD HAZARD MAP FOR THE AREA IN QUESTION.
3. PROPOSED DEVELOPMENT WILL EFFECT 3,919 S.F. OF 50-FOOT AND 100-FOOT RIVERBANK WETLAND, AND A TEMPORARY DISTURBANCE OF 295 S.F. FOR WELL INSTALLATION = 4,214 S.F. OF PERMANENT AND TEMPORARY WETLAND DISTURBANCE.

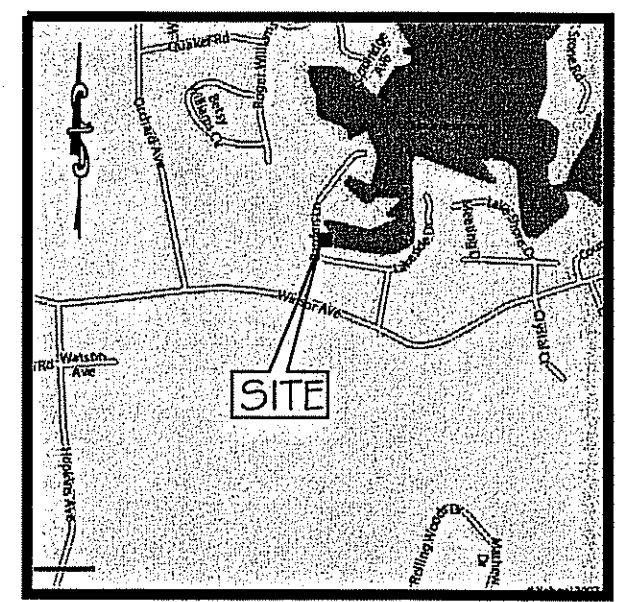
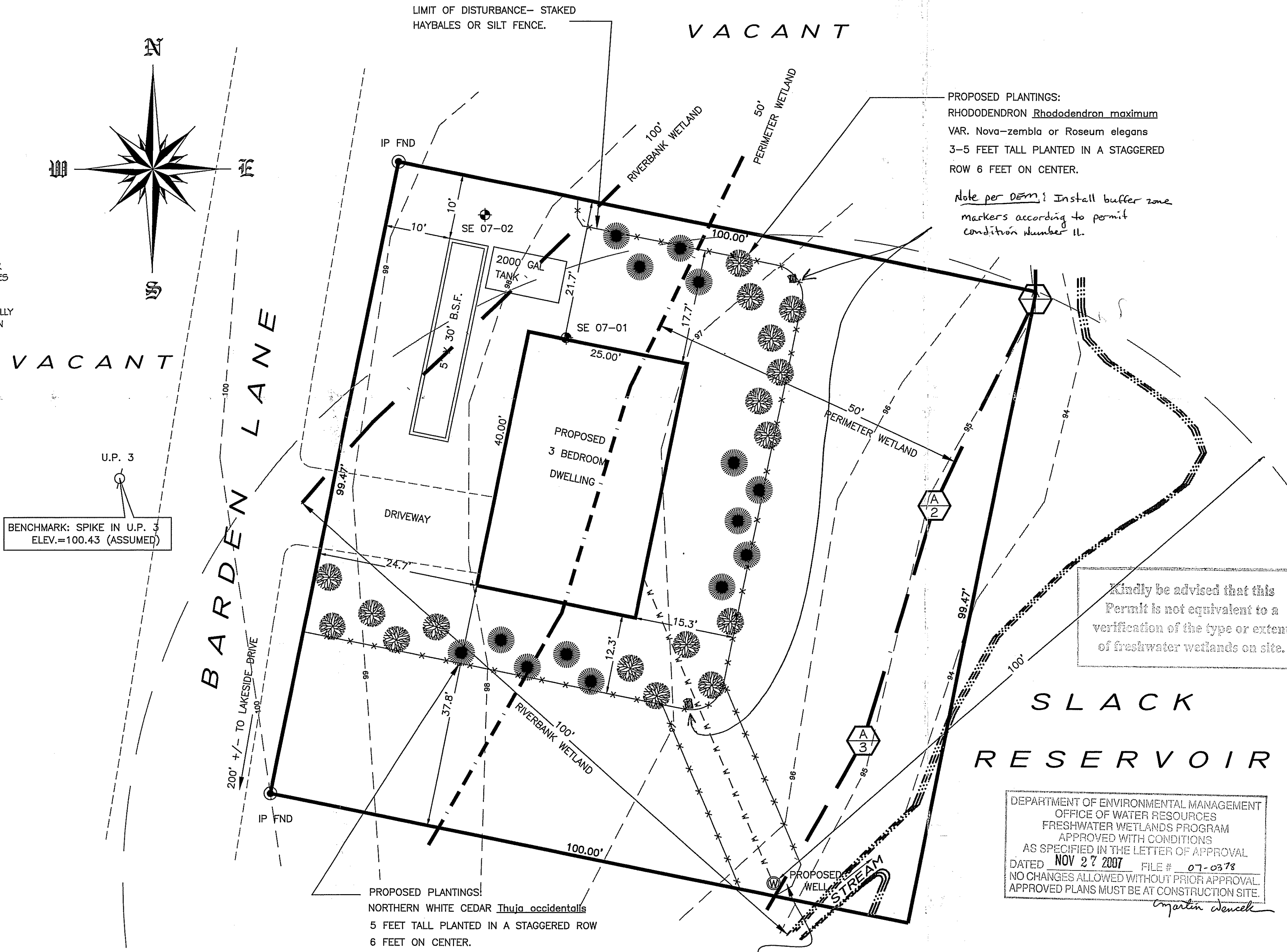
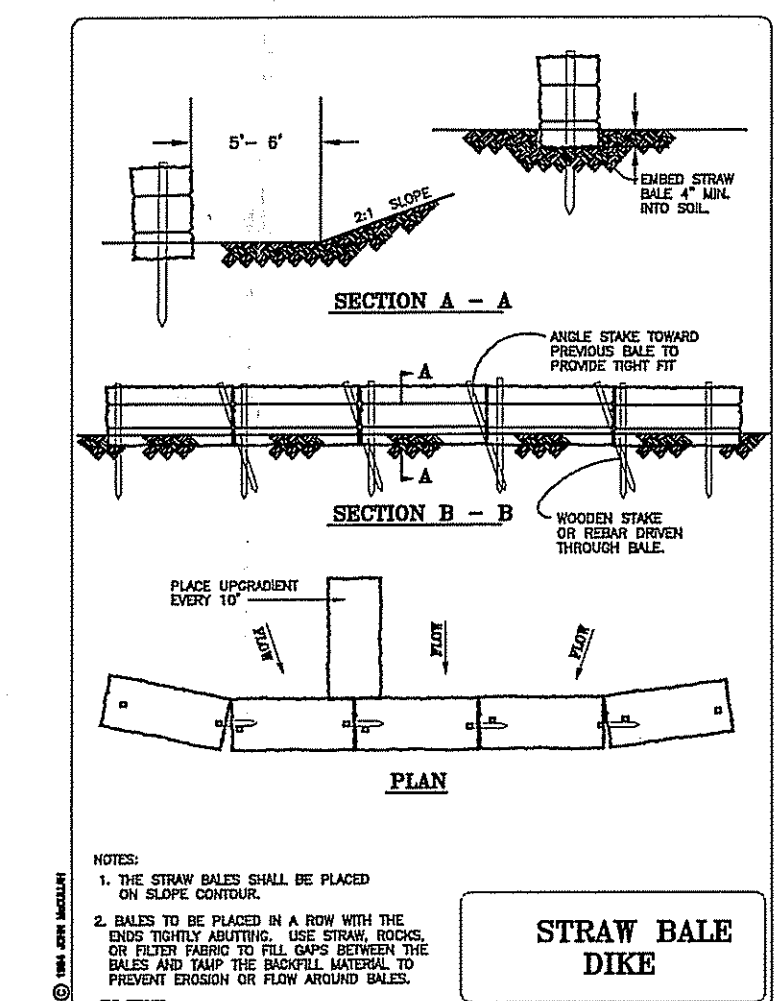
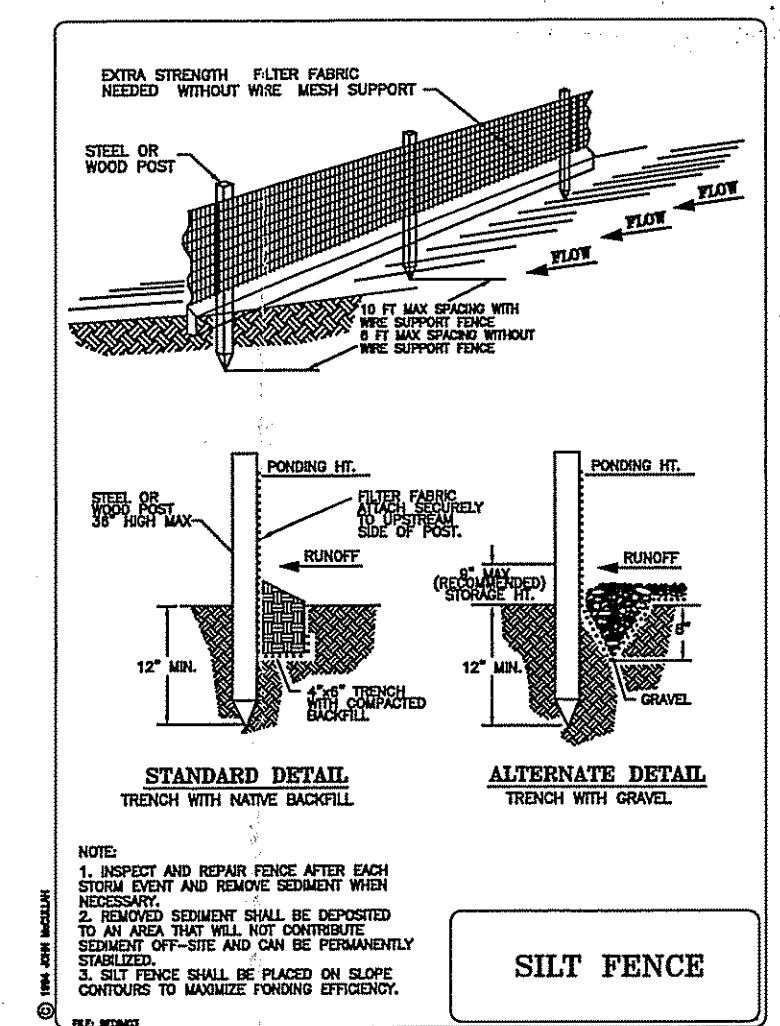
ZONING DISTRICT: R-40

MINIMUM LOT AREA	40,000 S.F.
MINIMUM WIDTH & FRONTAGE	140 FT.
MINIMUM YARDS: FRONT	40 FT.
SIDE	35 FT.
REAR	75 FT.

NOTE: HOUSE LOCATION IS BASED ON R-10 ZONE SETBACKS.

LEGEND

- - - -30- EXISTING CONTOUR ELEVATION
- - - -30- PROPOSED CONTOUR ELEVATION
- B.O.S. BOTTOM OF SYSTEM
- T.F. TOP OF FOUNDATION
- ⊕ GROUNDWATER TEST HOLE
- ⊞ PERCOLATION TEST
- █ FILL TEST
- - - -50' PERIMETER WETLAND
- - - -100' RIVERBANK WETLAND
- - - - FLOOD ZONE
- - - - STRAW HAYBALE OR SILT FENCE
- ⊕ EDGE OF WETLAND



LOCUS MAP NOT TO SCALE

PROPOSED PLANTINGS:
RHODODENDRON *Rhododendron maximum*
VAR. Nova-zembla or Roseum elegans
3-5 FEET TALL PLANTED IN A STAGGERED ROW 6 FEET ON CENTER.

Note per DDM: Install buffer zone markers according to permit condition number 11.

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
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED NOV 27 2007 FILE # 07-0378
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
Martin Jencel

RICHARD T. BZDYRA
No. 786
PROFESSIONAL LAND SURVEYOR

SURVEY CLASSIFICATION:
THIS SURVEY AND PLAN CONFORM TO A CLASS "111" STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
BY: *[Signature]* DATE: 9/17/07
RICHARD T. BZDYRA, R.F.L.S.

295 S.F. OF TEMPORARY DISTURBANCE AREA TO BE LOAMED AND SEEDED WITH AN APPROVED CONSERVATION SEED MIX UPON COMPLETION OF WELL INSTALLATION.

WETLANDS SITE PLAN
ASSESSOR'S PLAT 59, LOT 259
BARDEN LANE
JOHNSTON, RHODE ISLAND
OWNER: KEVIN SMITH

Ocean State Planners, Inc.
SURVEYORS • ENGINEERS • DESIGNERS
1255 OAKLAWY AVENUE CRANSTON, RHODE ISLAND
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REVISION:
DATE: AUG. 17, 2007
DRAWN BY: DCD
SCALE: 1" = 10'
GRAPHIC SCALE
SHEET 1
OF 1 SHEETS
JOB NO. 7464
DWG. NO. 7464-W