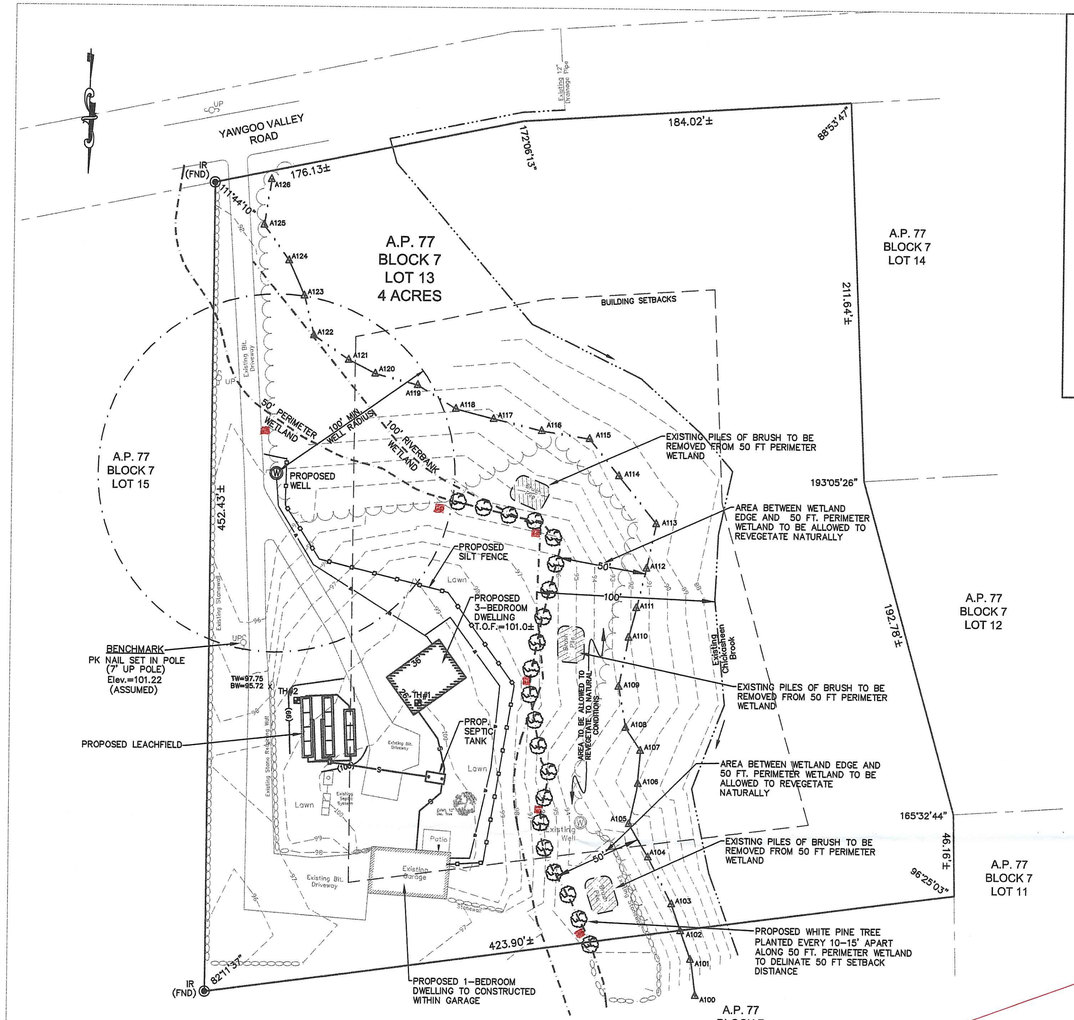


GRAPHIC SCALE

40 0 20 40

(IN FEET)

1 inch = 40 ft.

SITE PLAN

SCALE:1"=40'

— BUFFER ZONE MARKERS PER CONDITION #15

LEGEND

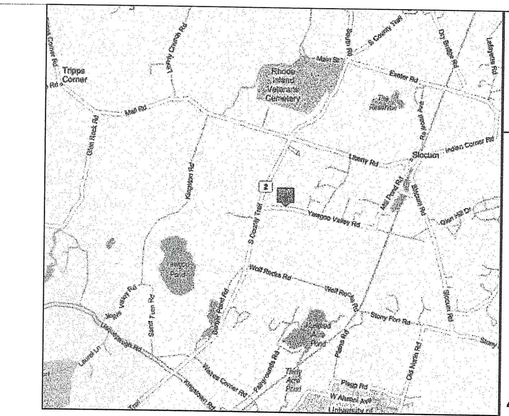
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- PROPOSED ZONING SETBACKS
- 98 — EXISTING CONTOUR
- EXISTING TREELINE
- (97) — PROPOSED CONTOUR
- X(100.5) — PROPOSED SPOT GRADE
- IR (FND) — IRON ROD FOUND
- T.O.F. — TOP OF FOUNDATION
- PRIVATE WELL
- UP#219 — EXISTING UTILITY POLE
- A100 — DELINATED EDGE OF WETLAND
- 50 FT. PERIMETER WETLAND
- DELINATED EDGE OF STREAM
- 100 FT. RIVERBANK WETLAND
- PROPOSED LIMIT OF DISTURBANCE

SITE DATA

A.P. 77 BLOCK 7 LOT 13
LOT AREA: 4.0 ACRES
ZONE: RU-4

ZONING REQUIREMENTS

	REQUIRED:	PROVIDED:
MIN. LOT WIDTH:	4.0 Acres	4.0 Acres
MIN. LOT WIDTH:	300'	360'
MIN. FRONT YARD:	100'	275'±
MIN. REAR YARD:	50'	99.5'±
MIN. SIDE YARD:	80'	138.5'±
MAX. BUILDING COVERAGE(%)	15%	1.21%



LOCATION MAP
NOT TO SCALE

RECEIVED JUL 19 2010

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 JUL - 1 2010 FILE # 10-2113
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
J. Joseph Casey

GENERAL NOTES:

1. TOPOGRAPHY AND SITE PLAN BASED ON LIMITED GROUND SURVEY BY GREGORY SOUZA, P.E., DATED: DECEMBER 2009.
2. A PROPERTY LINE FIELD SURVEY NOT PERFORMED. PROPERTY LINE DETERMINED FROM TOWN OF EXETER ASSESSOR'S AND LAND EVIDENCE RECORDS AND PROPERTY LINE MONUMENTION LAOCATED IN THE FIELD AT THE TIME OF LIMITED GROUND SURVEY. A FIELD SURVEY SHOULD BE PERFORMED BY A REGISTERED PROFESSIONAL LAND SURVEYOR PRIOR TO CONSTRUCTION TO ENSURE THAT ALL APPROVED SETBACKS ARE MET.
3. WETLAND FEATURES WERE FLAGGED BY ECOTONES, INC. DURING MARCH, 2010.
4. THE WETLAND FLAGS WERE OBTAINED FROM LIMITED GROUND SURVEY BY GREGORY SOUZA, P.E., DATED MARCH 2010. STREAM DELINEATED BY LIMITED GROUND SURVEY BY GREGORY SOUZA P.E., DATED DECEMBER 2009
5. THE LOCATION OF ALL EXISTING UTILITIES IS APPROXIMATE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO START OF CONSTRUCTION.
6. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT DIG-SAFE AND UTILITY COMPANIES FOR EXACT ON-SITE LOCATION OF EXISTING UNDERGROUND UTILITIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.
7. CONTRACTOR SHALL OBTAIN REQUIRED INSPECTION SCHEDULE OF THE MUNICIPALITY. UTILITY COMPANIES AND ALL OTHER REQUIRED PARTIES AND SHALL STRICTLY ADHERE TO THOSE REQUIREMENTS.
8. CONTRACTOR SHALL KEEP A COPY OF ALL APPROVALS ON-SITE DURING CONSTRUCTION. CONTRACTOR SHALL READ ALL APPROVALS PRIOR TO START OF CONSTRUCTION AND SHALL CLARIFY ANY QUESTIONS BEFOREHAND. CONSTRUCTION APPROVALS SHALL INCLUDE BUT NOT LIMITED TO THE APPROVALS FROM THE LOCAL MUNICIPALITY, THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND ANY OTHER AGENCY HAVING APPROVAL JURISDICTION OVER THE PROJECT.
9. PROPERTY OWNER TO RESTORE CLEARED WETLAND VEGETATION BY ALLOWING AREA TO REVEGETATE NATURALLY FOR AREA BETWEEN 50 FT PERIMETER WETLAND AND WETLAND EDGE.
10. WHITE PINE TREES TO BE PLANTED 10-15 FT APART ALONG 50 FT PERIMETER WELTAND EDGE TO DELINEATED 50 FT SETBACK FROM WETLAND EDGE.

REVISED PER DEM:

TREES TO BE 3-4 FEET IN HEIGHT AFTER PLANTING

FLOOD ZONE NOTE:

THE PROPERTY IS LOCATED IN ZONE "C" (AREAS OF MINIMAL FLOODING) AS DETERMINED ON (F.I.R.M) FLOOD INSURANCE RATE MAP FOR THE TOWN OF EXETER, RHODE ISLAND WASHINGTON COUNTY, PANEL 29 OF 30 ON COMMUNITY PANEL NUMBER 440032 0029A, MAP EFFECTIVE DATE: MARCH 1, 1982.

EROSION CONTROL PROGRAM

1. PRIOR TO START OF CONSTRUCTION, HAYBALES, SILT FENCES AND ALL OTHER SPECIFIED EROSION CONTROL MEASURES SHALL BE IN PLACE.
2. CRITICAL AREAS SUCH AS WETLAND AREAS, SLOPES, AND STREAMS SHALL BE PROTECTED AS PER PLAN, AND IN THE PRESENCE OF WETLANDS THE CONDITIONS OF THE ASSENT ORDER SHALL BE ADHERED TO.
3. THE CONTRACTOR SHALL BE REQUIRED TO ESTABLISH AND FULLY MAINTAIN ALL REQUIRED EROSION AND SEDIMENTATION CONTROLS.
4. DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASONS.
5. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15 SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
6. TEMPORARY TREATMENTS SHALL CONSIST OF A 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 OWNER OR HIS DESIGNEE.

SEDIMENTATION CONTROL PROGRAM

1. ALL EXPOSED SLOPES, INCLUDING STOCKPILES OF MATERIAL, SHALL RECEIVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS. THIS WILL INCLUDE LOAMING AND SEEDING, MULCHING, HAYMATS, ETC., TO STABILIZE THE AREA.
2. SILT FENCE (TEMPORARY) SHALL BE
   - INSTALLED DOWNSLOPE OF THE LIMITS OF PROPOSED CONSTRUCTION AS SHOWN ON THE DRAWINGS.
   - INSTALLED PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATIONS.
   - MAINTAINED ON A REGULAR BASIS.
3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL AND AT LEAST ONCE A WEEK.
4. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
5. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
6. SHOULD SEDIMENTS ENTER A CRITICAL AREA, (WETLAND, BUFFER ZONE, ABUTTING PROPERTY) THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE THE EFFECTED AREA.
7. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORMWATER FLOWAGE.
8. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.

SOIL STABILIZATION & PLANTING

ACCEPTABLE PLANTING MATERIALS:

LOAM - THE MATERIAL TO BE FURNISHED SHALL CONSIST OF LOOSE, FRIABLE, SANDY LOAM OR TOPSOIL FREE OF A MIXTURE OF SUBOIL, REFUSE, STUMPS, ROOTS, ROCKS, BRUSH, WEEDS AND OTHER MATERIAL WHICH WILL PREVENT THE FORMATION OF A SUITABLE SEED BED.

SEED MIXTURE - ALL LEGUME SEED SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH THE APPROPRIATE UBOCULUM FOR EACH VARIETY. ALL INOCULA SHALL BE FRESH AND SHALL BE USED WITHIN THE DATE LIMIT PRESCRIBED BY THE MANUFACTURER.

FOR RELATIVELY FLAT SLOPES:

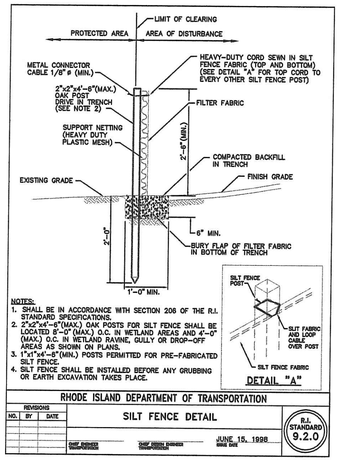
MIX	% BY WEIGHT
RED FESCUE - CHEWING'S PENNLAWBR CREEPING	70
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS - ASTORIA ORXETER	5
PERENNIAL RYEGRASS	10
- SEEDING RATE = 100 LBS. PER ACRE	

FOR STEEP SLOPES 3:1 OR GREATER

MIX	% BY WEIGHT
RED FESCUE - PENNLAWN OR CREEPING	75
PERENNIAL RYEGRASS	5
COLONIAL BENTGRASS - ASTORIA ORXETER	5
BIRDSFOOT TREFOIL - EMPIRE	15
- SEEDING RATE: 100 LBS. PER ACRE	

NOTES:

1. THE ACCEPTED PLANTING SEASON SHALL BE BETWEEN APRIL 1ST AND OCTOBER 15TH. CONTRACTOR SHOULD COORDINATE ON ALL DISTURBED AREAS. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR (4) INCHES OF LOAM ON AREAS UP TO 10% IN GRADE. ALL AREAS OVER 10% SHALL RECEIVE A MINIMUM OF SIX (6) INCHES.
2. LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.
3. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
4. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
5. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
6. REFERENCE IS HEREBY MADE TO THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK PUBLISHED BY THE SOIL CONSERVATION SERVICE. THE GUIDELINES SHOWN THEREIN SHOULD BE INCORPORATED INTO THE CONSTRUCTION PRACTICES ON SITE.



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4'-6"(MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-6"(MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

SILT FENCE DETAIL

JUNE 15, 1998

R.I. STANDARD 9.2.0

GREGORY J. SOUZA, PE
PROFESSIONAL ENGINEER
14 PRESIDENT DRIVE
NARRAGANSETT, RHODE ISLAND 02882
(401) 465-3307
greg.souza@cox.net

Project: **PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM**

AP 77 BLOCK 7 LOT 13
455 YAWGOO VALLEY ROAD
EXETER, RI

Owner/Applicant:

RUTH & JAY SPERRY
20 LANG DRIVE
NORTH KINGSTOWN, RI 02852

GREGORY J. SOUZA No. 7771 REGISTERED PROFESSIONAL ENGINEER (CIVIL)

6/9/10

Issue Date: MARCH 24, 2010

Revisions

No.	Date	Description

Project No.: 09-024

Scale: 1" =20'

Designed By: GJS Drawn By: GJS

Checked By: GJS

Sheet Title: **SITE PLAN**

RECEIVED JUN 3 2010 DEM/OWR

C1

Sheet Number: 1 of 1

WETLANDS