

LOCATION PLAN SCALE: 1"=2000'

A.P. 69 LOT 1

440±

644±

570±

A.P. 66 LOT 1

- LEGEND**
- A.P. ASSESSOR'S PLAT
  - - - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - ⊙ PROPOSED WELL
  - ⊞ STONE WALL
  - ⊞ UTILITY POLE
  - 623± SPOT ELEVATION
  - ▲ A15 FRESHWATER WETLANDS DELINEATION FLAG
  - ⊞ GROUND WATER TABLE TEST HOLES
  - X X X STAKED HAYBALES/SILT FENCE
  - LF/AA PROPOSED ISDS/ALTERNATE AREA
  - ⊞ PROPOSED DWELLING

A.P. 52 LOT 24

618±

682±

ASSESSOR'S PLAT 70 LOT 33  
AREA= 56.6± ACRES

A.P. 70 LOT 36

887±

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

SEE SHEET 2 FOR DESIGN DETAILS

BENCH MARK: CONCRETE NAIL FOUND IN 6" OAK ELEVATION: 618.45' ASSUMED DATUM

INSTALL & MAINTAIN EROSION CONTROLS AT LIMITS OF SITE DISTURBANCE AND CLEARING

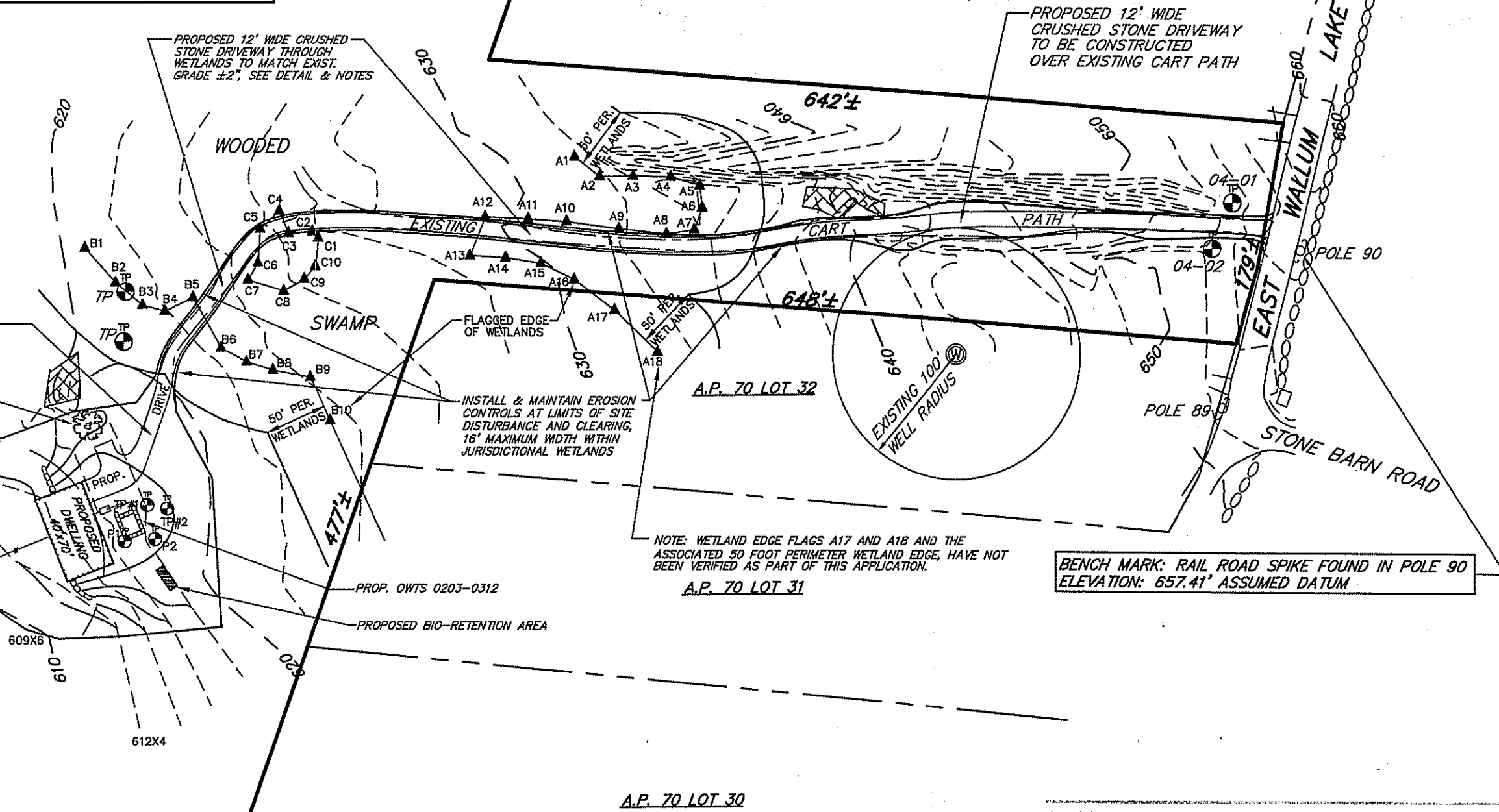
EDGE OF CLEARING (TYP.)

A.P. 87 LOT 1

1350±

**GENERAL NOTES**

- TOPOGRAPHY AND ELEVATIONS SHOWN ARE FROM AN ON-SITE SURVEY PERFORMED IN MARCH AND JULY 2005. SITE CONDITIONS WERE VERIFIED AND THE NEW WETLANDS DELINEATION WAS SURVEYED IN MAY 2016 BY SCIUTATE SURVEYS, INC. THE BENCH MARK USED FOR THE SURVEY WAS THE CENTERLINE INTERSECTION OF EAST WALLUM LAKE ROAD AND STONE BARN ROAD (ELEV. = 653.00' ASSMED DATUM).
- THE SITE LIES WITHIN FLOOD HAZARD ZONE X (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) REFERENCE F.I.R.M. MAP PANEL NO. 440007C0130G DATED MARCH 2, 2009.
- THE NEW WETLANDS EDGE WAS DELINEATED BY NATURAL RESOURCE SERVICES, INC. IN MAY 2016.
- THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY SOURCES WITHIN 500' OF PROPOSED LOTS.
- THERE ARE NO EXISTING OR PROPOSED SEWAGE DISPOSAL SYSTEMS WITHIN 100' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM OTHER THATH THOSE SHOWN ON THE PLAN.
- THERE ARE NO EXISTING OR PROPOSED INDIVIDUAL WATER SUPPLIES WITHIN 200' OF THE PROPOSED SEWAGE DISPOSAL SYSTEMS OTHER THAN THOSE SHOWN ON THE PLAN.
- FOR WATER TABLE DATA SEE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT SOIL EVALUATION APPLICATION #0203-0312
- EXCEPT WHERE INDICATED SITE IS ENTIRELY WOODED.
- HAYBALE EROSION CHECK (R.I. STANDARD 9.1.0) AND/OR SILT FENCE SHALL BE INSTALLED AT ALL LIMITS OF DISTURBANCE PRIOR TO EARTH DISTURBING ACTIVITIES AND SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- NO WORK IS ALLOWED WITHIN STATE REGULATED WETLANDS EXCEPT AS SPECIFICALLY SHOWN.
- ALL IMPROVEMENTS SHALL BE ACCURATELY LOCATED AND STAKED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH 4" LOAM AND SEED OR SOD, PROPOSED SLOPES SHALL BE 3:1 (TYPICAL), 2:1 IN WETLANDS.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. DIG SAFE AND APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION FOR ACCURATE UTILITY LOCATIONS.
- ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF THE D.E.M. WETLANDS PERMIT AND IN COMPLIANCE WITH ALL TOWN REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- ALL EXCESS SOIL, STUMPS, TREES, ROCKS, BOULDERS AND OTHER REFUSE SHALL BE DISCARDED OFF SITE OUTSIDE OF ALL WETLANDS AND WETLANDS SETBACK AREAS UNLESS OTHERWISE SPECIFIED.
- THE PERMANENT LIMIT OF DISTURBANCE WITHIN THE WETLANDS HABITAT SHALL BE ALLOWED TO REVEGETATE NATURALLY. NO PLANTINGS ARE PROPOSED. THE PERMANENT LIMIT OF DISTURBANCE WITHIN THE PERIMETER WETLANDS SHALL BE REPLANTED WITH A CONTINUOUS ROW OF ROSEBAY RHODODENDRON (RHODODENDRON MAXIMUS) FIVE (5') HIGH AFTER PLANTING, PLANTED (6") ON CENTER. 69 PLANTS REQUIRED. SEE DETAILS ON SHEET 2.
- WETLAND EDGE FLAGS A17 AND A18 AND THE ASSOCIATED 50 FOOT PERIMETER WETLAND EDGE, HAVE NOT BEEN VERIFIED AS PART OF THIS APPLICATION.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED DEC 02 2016 FILE # 16-0221  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

**ZONING: F-5 FARMING/RESIDENTIAL DISTRICT**

- ASSESSOR'S PLAT 70 LOT 33\*  
MINIMUM LOT SIZE: 5 ACRES  
MINIMUM LOT WIDTH: 450 FT.  
MINIMUM FRONT YARD DEPTH: 40 FT.  
MINIMUM SIDE YARD DEPTH: 15 FT.  
MINIMUM REAR YARD DEPTH: 40 FT.  
\* PRE-EXISTING SUBSTANDARD LOT OF RECORD

**OWNER/APPLICANT**

RICHARD BLANCHARD  
143 GROVE STREET  
PASCOAG, RHODE ISLAND 02859



SCIUTATE SURVEYS, INC.  
410 RIGGUE AVENUE  
PASCOAG, RI 02859  
401.821.8101  
LAND SURVEYING / MAPPING / SITE PLANNING

Environmental Management

AUG 26 2016

Office of Water Resources

NOTICE: THIS SURVEY WAS TO CONDUCT A DATA ACCUMULATION SURVEY AND TO COLLECT TOPOGRAPHIC AND SOIL DATA FOR THE PURPOSE OF A WETLANDS PERMIT APPLICATION. THE PURPOSE OF THIS SURVEY WAS TO CONDUCT A DATA ACCUMULATION SURVEY AND TO COLLECT TOPOGRAPHIC AND SOIL DATA FOR THE PURPOSE OF A WETLANDS PERMIT APPLICATION. THE PURPOSE OF THIS SURVEY WAS TO CONDUCT A DATA ACCUMULATION SURVEY AND TO COLLECT TOPOGRAPHIC AND SOIL DATA FOR THE PURPOSE OF A WETLANDS PERMIT APPLICATION.

ANGELO M. RAIMONDI  
No. 1762  
PROFESSIONAL  
LAND SURVEYOR

**PROPOSED IMPROVEMENTS TO ASSESSOR'S PLAT 70 LOT 33**

EAST WALLUM LAKE ROAD  
BURRILLVILLE, RHODE ISLAND  
PREPARED FOR: RICHARD BLANCHARD

**TEST PIT SOILS DATA**

TEST HOLE	SHWT DEPTH	SHWT ELEV.
04-01*	14"	N/A
04-02*	10"	N/A
TP#1	32"	615.4
TP#2	25"	616.6

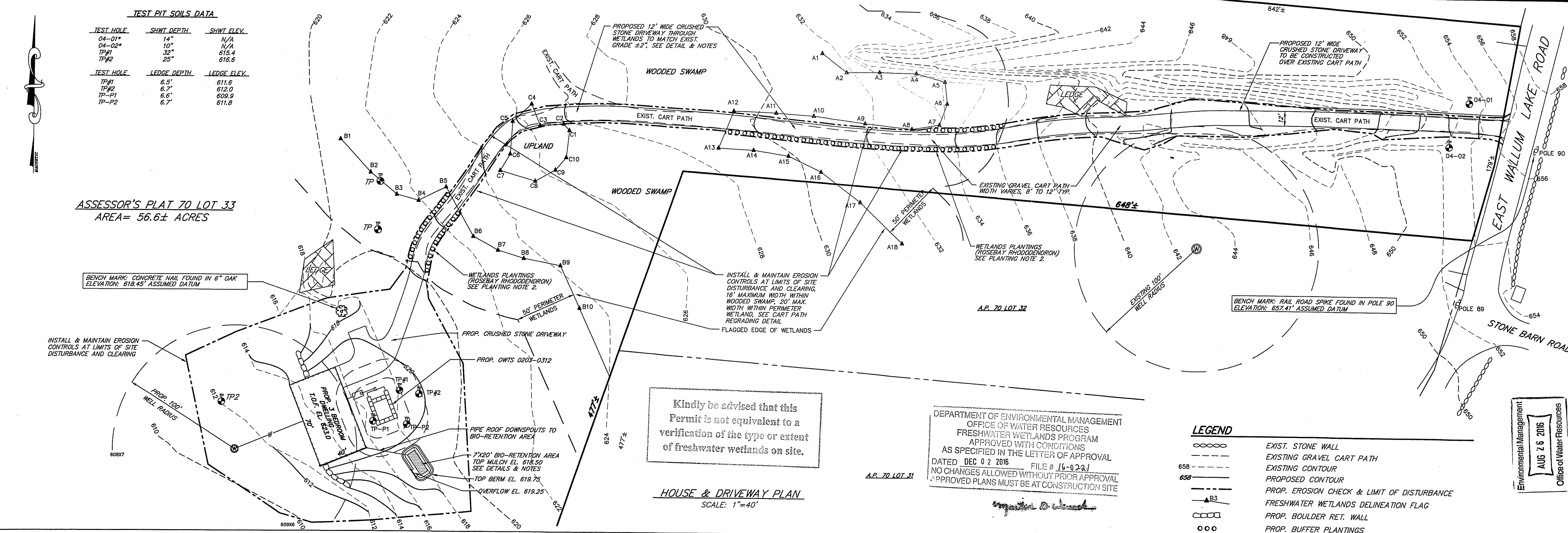
  

TEST HOLE	LEDGE DEPTH	LEDGE ELEV.
TP#1	6.5'	611.6
TP#2	6.7'	612.0
TP-P1	6.6'	609.9
TP-P2	6.7'	611.8

**ASSESSOR'S PLAT 70 LOT 33**  
AREA = 56.6± ACRES

BENCH MARK: CONCRETE NAIL FOUND IN 6" OAK  
ELEVATION: 618.45' ASSUMED DATUM

INSTALL & MAINTAIN EROSION CONTROLS AT LIMITS OF SITE DISTURBANCE AND CLEARING



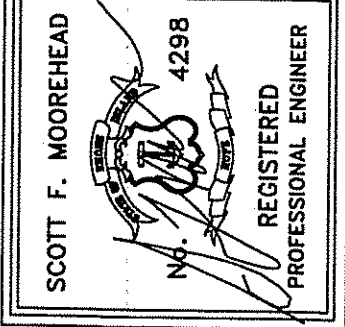
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**LEGEND**

- EXIST. STONE WALL
- EXISTING GRAVEL CART PATH
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROP. EROSION CHECK & LIMIT OF DISTURBANCE
- FRESHWATER WETLANDS DELINEATION FLAG
- PROP. BOULDER RET. WALL
- PROP. BUFFER PLANTINGS

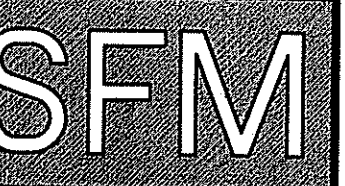
**HOUSE & DRIVEWAY PLAN**  
SCALE: 1"=40'



OWNER & APPLICANT:  
RICHARD BLANCHARD  
143 GROVE STREET  
PASCOAG, RI

PROPOSED LOT DEVELOPMENT  
ASSESSOR'S PLAT 70 LOT 33  
POLE 90 EAST WALLUM LAKE ROAD  
BURLINGHAM, RI

S.F.M. ENGINEERING ASSOCIATES  
410 TOUGUE AVENUE  
COVENTRY, RI 02816  
PHONE: 401-826-3736  
FAX: 401-826-1711  
SCOTT@SFM.NECCOMAIL.COM



DRN. BY: SFM  
CHK. BY: JEM  
SCALE: 1"= 40'  
DATE: AUG. 17, 2016  
DWS: SFM838-SP-A  
SHEET 2 OF 2  
PERMITTING SUBMISSION

**EROSION CONTROL & SOIL STABILIZATION PROGRAM**

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- 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.
- THE TOP SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
- SEEDING SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S PLANS. FOR AREAS NOT DESIGNATED BY THE L.A., THE DESIGN MIX SHALL COMPLY WITH THE FOLLOWING:
 

A. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)		
MIXTURE	% BY WT.	SEEDING DATES
KENTUCKY BLUEGRASS	70	APRIL 1-MAY 31
PERENNIAL RYEGRASS	15	AUG. 15-OCT. 15
PERENNIAL RYEGRASS	5	
TOTAL	150 LBS/AC	

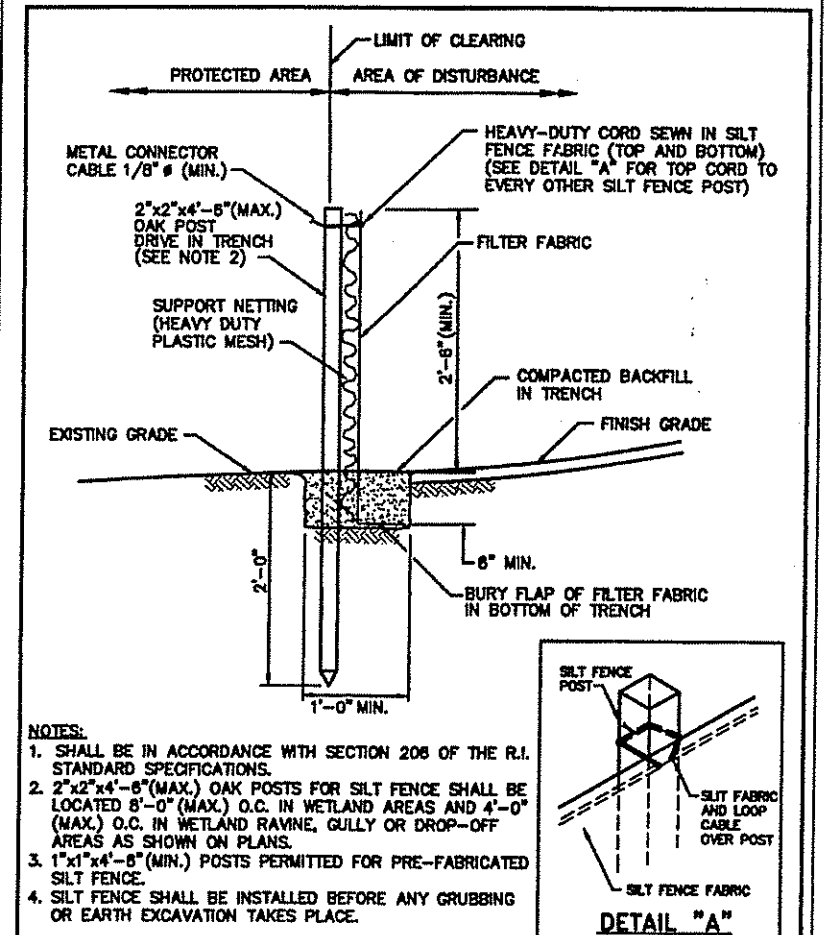
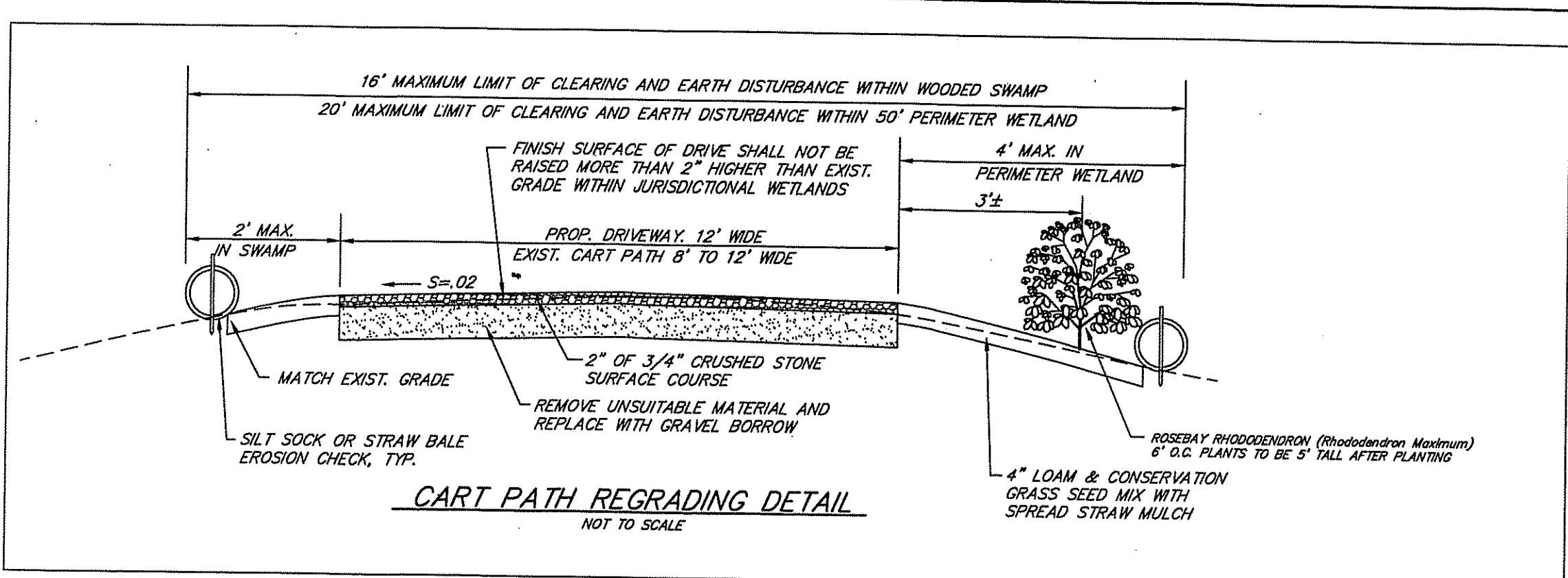
B. CONSERVATION SEEDING AREAS		
MIXTURE	% BY WT.	SEEDING DATES
SWITCH GRASS	20	APRIL 1-MAY 31
LITTLE BLUE STEM	20	
PERENNIAL RYEGRASS	20	AUG. 15-OCT. 15
WILDFLOWER MIX	20	
HARD FESCUE	20	
TOTAL	60 LBS/AC	
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MATT OR PROTECTIVE COVERS SUCH AS 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.

**ORDER OF PROCEDURE**

- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR EXCAVATION, THE SITE CONTRACTOR SHALL PHYSICALLY MARK THE ENTIRE LIMIT OF DISTURBANCE. EROSION CHECKS SHALL BE ESTABLISHED AT ALL DOWN GRADIENT LIMITS OF DISTURBANCE AND AS DEPICTED ON THE SITE PLANS. TEMPORARY EROSION CHECKS SHALL BE INSTALLED AT LIMIT OF WORK ACTIVITY IF CONSTRUCTION IS TO BE DONE IN PHASES. EROSION CHECKS CONSIST OF STRAW BALES, SILT FENCE OR SILT SOCKS.
- THE CONTRACTOR SHALL PROVIDE A BARRIER AROUND THE BIO-RETENTION AREA TO PROTECT IT FROM SOIL COMPACTION.
- ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE SHALL BE CLEARED AND GRUBBED AT ONE TIME. IF CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED FOR MORE THAN 14 DAYS, STABILIZATION PRACTICES SHALL BE INITIATED. REFERENCE THE EROSION CONTROL & SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROLS.
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
- EROSION CHECKS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
- EROSION CHECKS LOCATED AT DRAINAGE INLETS OR OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

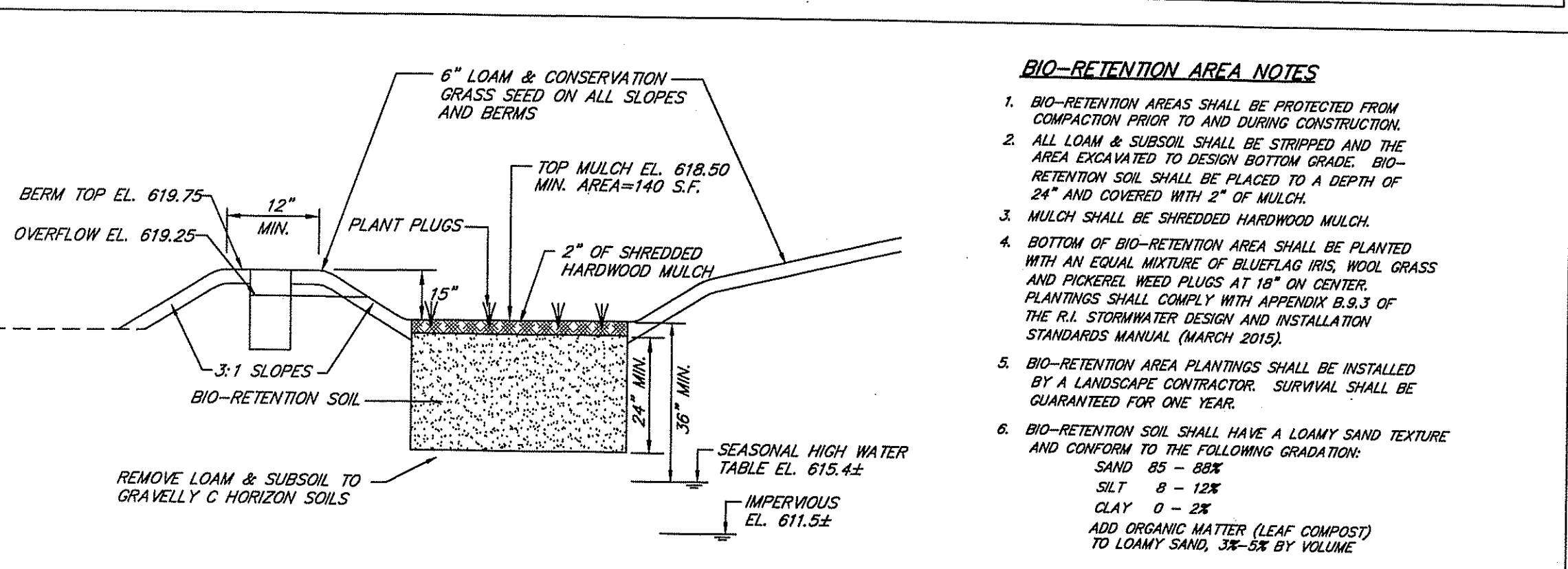
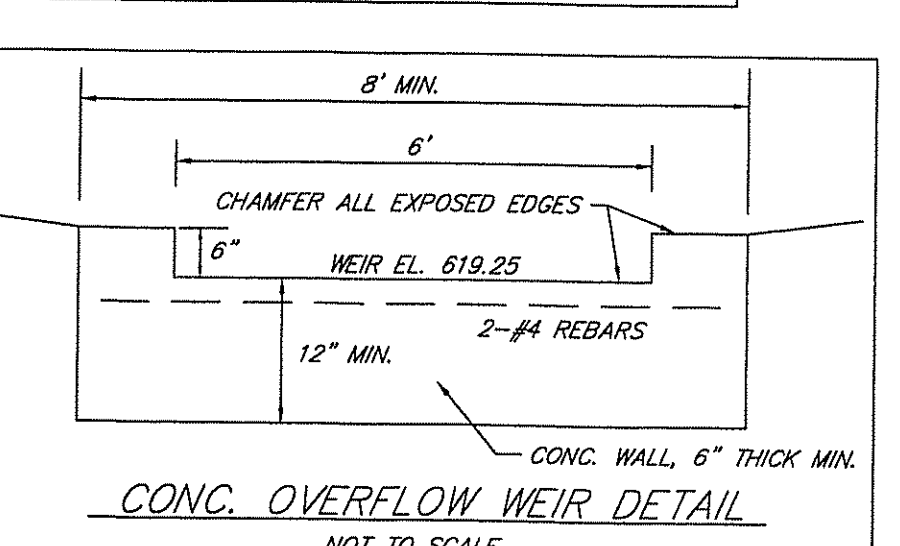
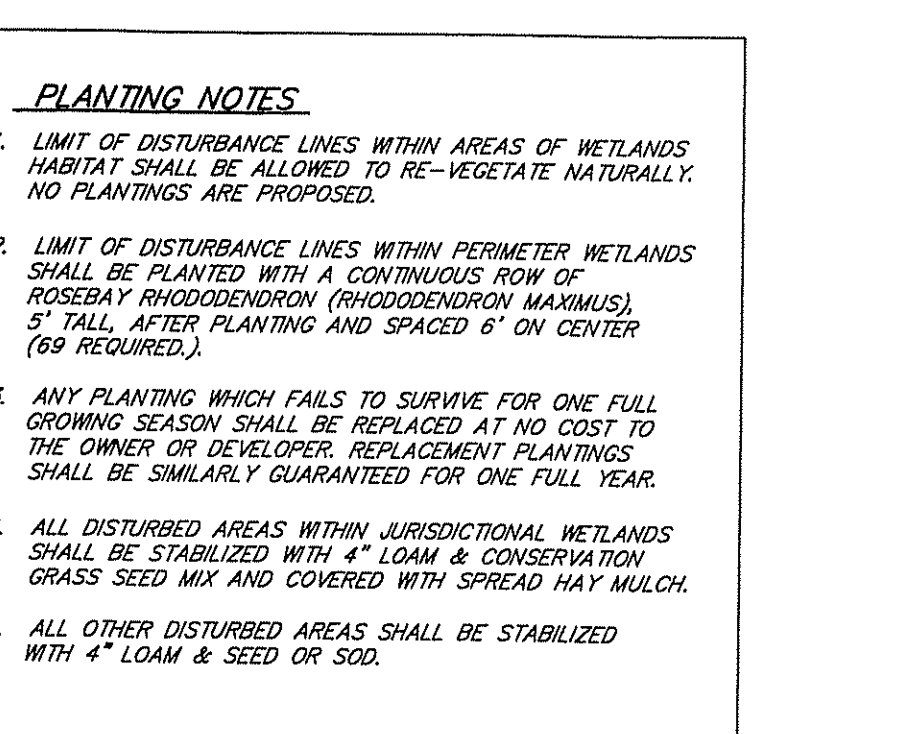
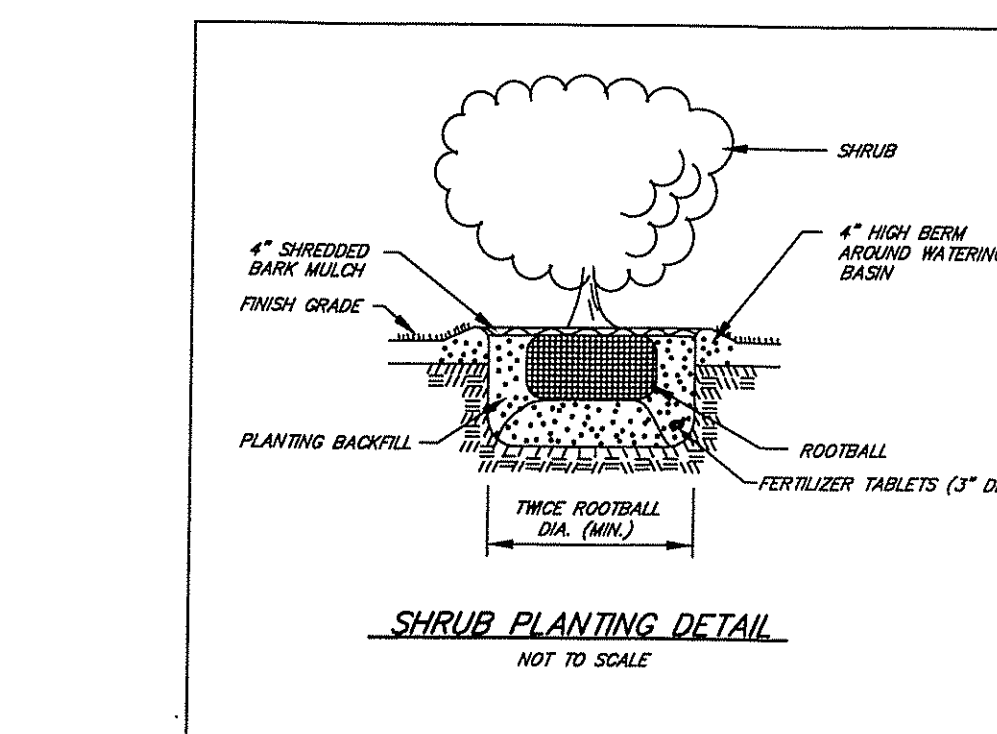
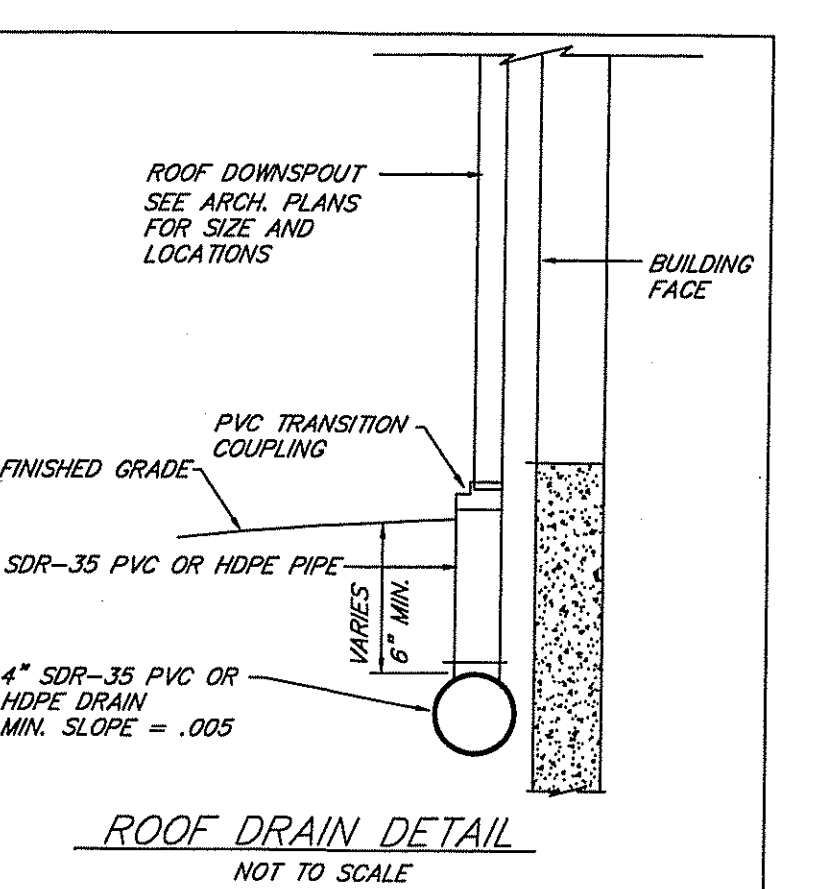
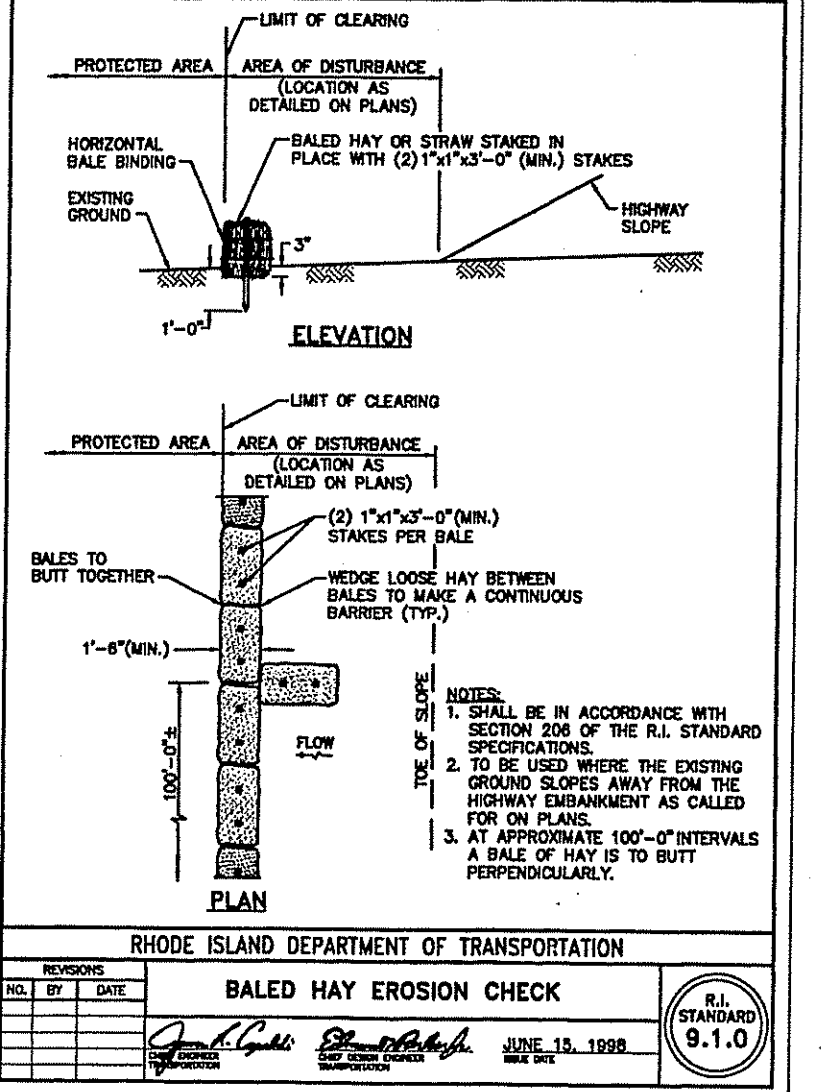
**WETLAND CROSSING NOTES:**

- NO WORK IS ALLOWED WITHIN THE WETLANDS EXCEPT AS SPECIFICALLY SHOWN. ALL WORK SHALL BE ACCURATELY LOCATED AND CONSTRUCTION STAKED PRIOR TO COMMENCEMENT OF ANY WORK.
- INSTALLATION OF THE DRIVEWAY SWAMP CROSSING SHALL BE LIMITED TO THE PERIOD OF LOW FLOW, JULY 1 TO OCTOBER 31 AND SHALL BE SCHEDULED WHEN NO SIGNIFICANT RAIN IS FORECAST.
- EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY GRUBBING OR EXCAVATION AND SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED AT WHICH TIME THEY SHALL BE REMOVED.
- ALL DISTURBED AREAS OUTSIDE THE DRIVEWAY SHALL BE RESTORED WITH 4" LOAM, CONSERVATION GRASS SEED AND STRAW MULCH.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE R.I.D.E.M. WETLAND PERMIT AND REGULATIONS.
- EXCAVATION EQUIPMENT MUST WORK FROM THE EXISTING CART PATH EQUIPMENT IS NOT ALLOWED IN THE WOODED SWAMP.
- WORK WITHIN THE WOODED SWAMPS FOR CLEARING OR CONSTRUCTION, SHALL BE LIMITED TO THE ABSOLUTE MINIMUM NECESSARY WITHIN THE 16" WIDE MAXIMUM LIMIT OF DISTURBANCE.
- ALL BRUSH WITHIN THE 16" LIMIT OF DISTURBANCE SHALL BE CLEARED AND GRUBBED. REMOVAL OF HEALTHY TREES LARGER THAN 4" DIAMETER SHALL BE KEPT TO THE ABSOLUTE MINIMUM NECESSARY. OVERHANGING LIMBS MAY BE TRIMMED TO A HEIGHT OF 12'.



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

NO.	BY	DATE	REVISION
1	JEM	JUN 15, 2016	9.2.0



- BIO-RETENTION AREA SIZING**
- BIO-RETENTION AREA SHALL BE 140 S.F. MINIMUM BASED ON A 2,800 S.F. IMPERVIOUS HOUSE ROOF AREA. AREA SHALL BE PROPORTIONATELY SIZED IF THE HOME AREA IS DIFFERENT.
  - THE HOME SITE MAY HAVE MORE THAN ONE BIO-RETENTION AREA, EACH SERVING A PROPORTIONATE IMPERVIOUS AREA.
  - BIO-RETENTION AREA LENGTH SHALL BE TWICE THE WIDTH (MIN.) WITH THE LENGTH ORIENTED PARALLEL TO SURFACE CONTOURS AND SHAPED TO CONFORM WITH EXISTING SLOPES.
  - BIO-RETENTION AREAS SHALL BE LOCATED AT LEAST 25' FROM OWTS & 15' FROM HOUSE BASEMENT.
- | BIO-RETENTION AREAS | 618.50 | 140 S.F. |
|---------------------|--------|----------|
|                     | 619.25 | 285 S.F. |
|                     | 619.75 | 385 S.F. |
- BIO-RETENTION AREA MAINTENANCE PLAN**
- BIO-RETENTION AREA SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL APPROVAL OF CONSTRUCTION. AFTER FINAL APPROVAL THE AREA SHALL BE MAINTAINED BY THE OWNER.
  - DURING THE SIX MONTHS IMMEDIATELY AFTER CONSTRUCTION, THE BIO-RETENTION AREA SHALL BE INSPECTED FOLLOWING THE FIRST TWO RAIN EVENTS EQUAL TO OR GREATER THAN THE 1-YEAR, 24 HOUR TYPE II STORM EVENT. AFTER THAT PERIOD, IT SHALL BE INSPECTED TWICE PER YEAR.
  - SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
  - IF STANDING WATER REMAINS 48 HOURS AFTER A RAINFALL EVENT, THE BOTTOM SHALL BE ROTOTILLED THEN RE-SEED.
  - MULCH LAYER SHALL BE REPLISHED TO ORIGINAL DEPTH EVERY OTHER YEAR. PREVIOUS MULCH LAYER SHALL BE REMOVED.
  - PRUNING OR REPLACEMENT OF VEGETATION SHOULD OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
  - SILT AND DEBRIS SHALL BE REMOVED WHEN ACCUMULATION EXCEEDS GRASS SHALL BE MOWED THREE TIMES BETWEEN THE MONTHS OF MAY AND OCTOBER. MOWED HEIGHT OF VEGETATION SHALL NOT BE LESS THAN TWO INCHES.