


SITE PLANS FOR A  
PROPOSED SINGLE FAMILY DWELLING

# AP 30 LOT 11

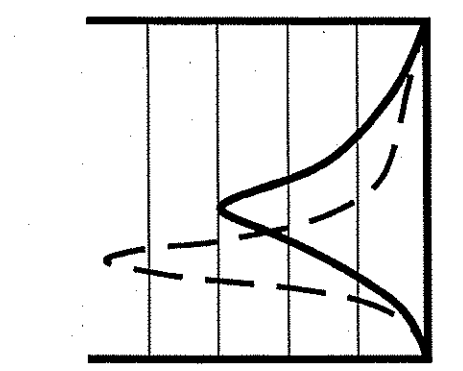
SCITUATE, RHODE ISLAND

## ZONING DISTRICT- RR-120

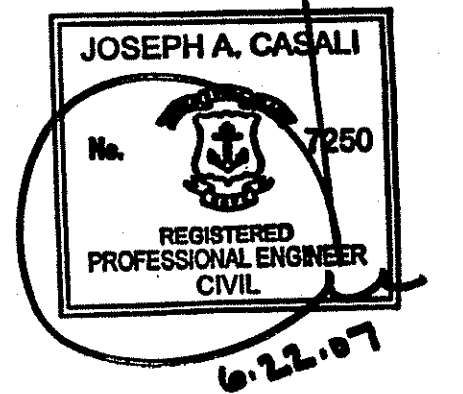
  
**NATIONAL**  
 Surveyors-Developers  
 Inc.  
 42 Hamlet Ave., Woonsocket, R.I.  
 (401) 769-7779

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED DEC 10 2007 FILE # 07-0210  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*Martin D. Wenzel*



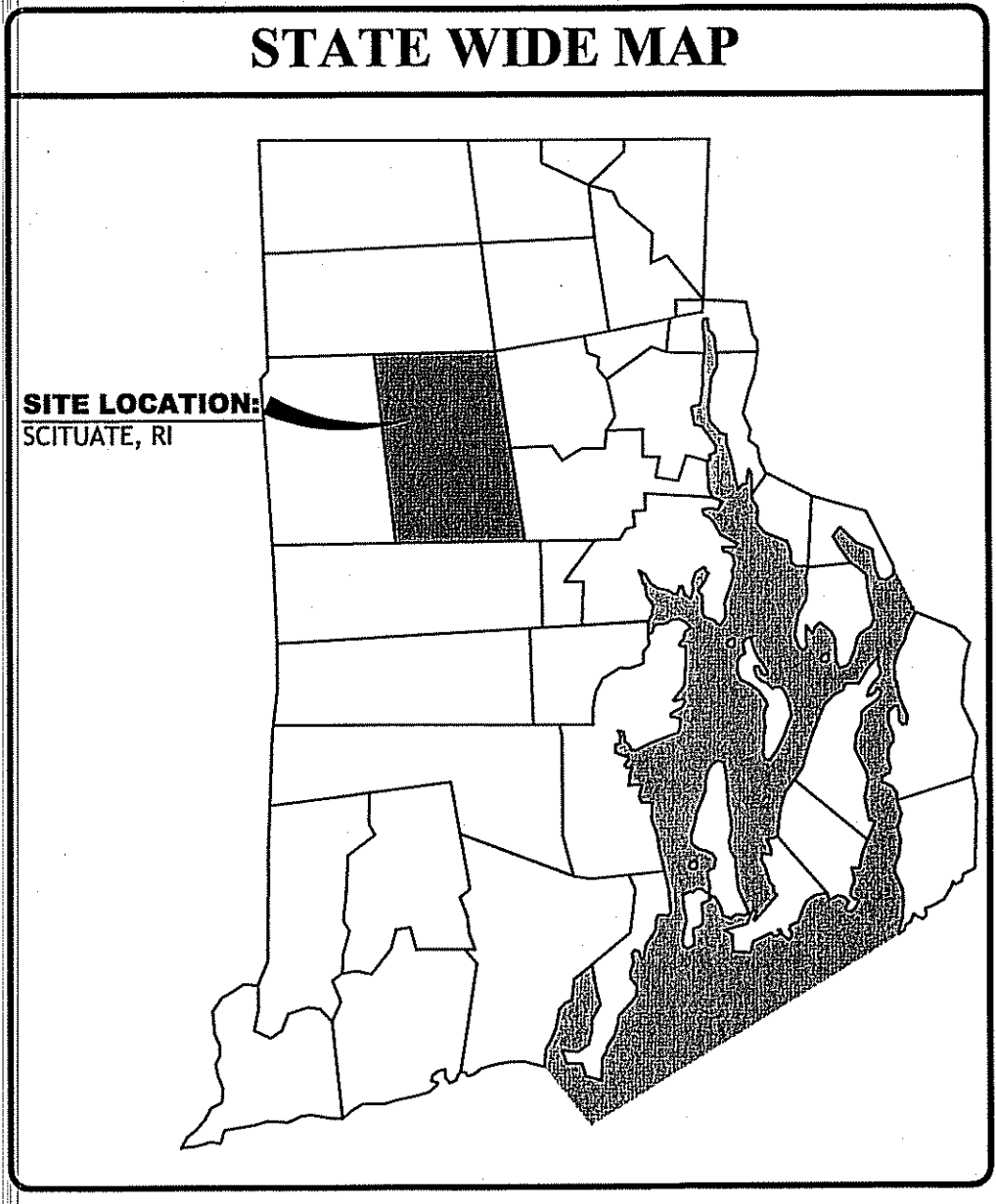
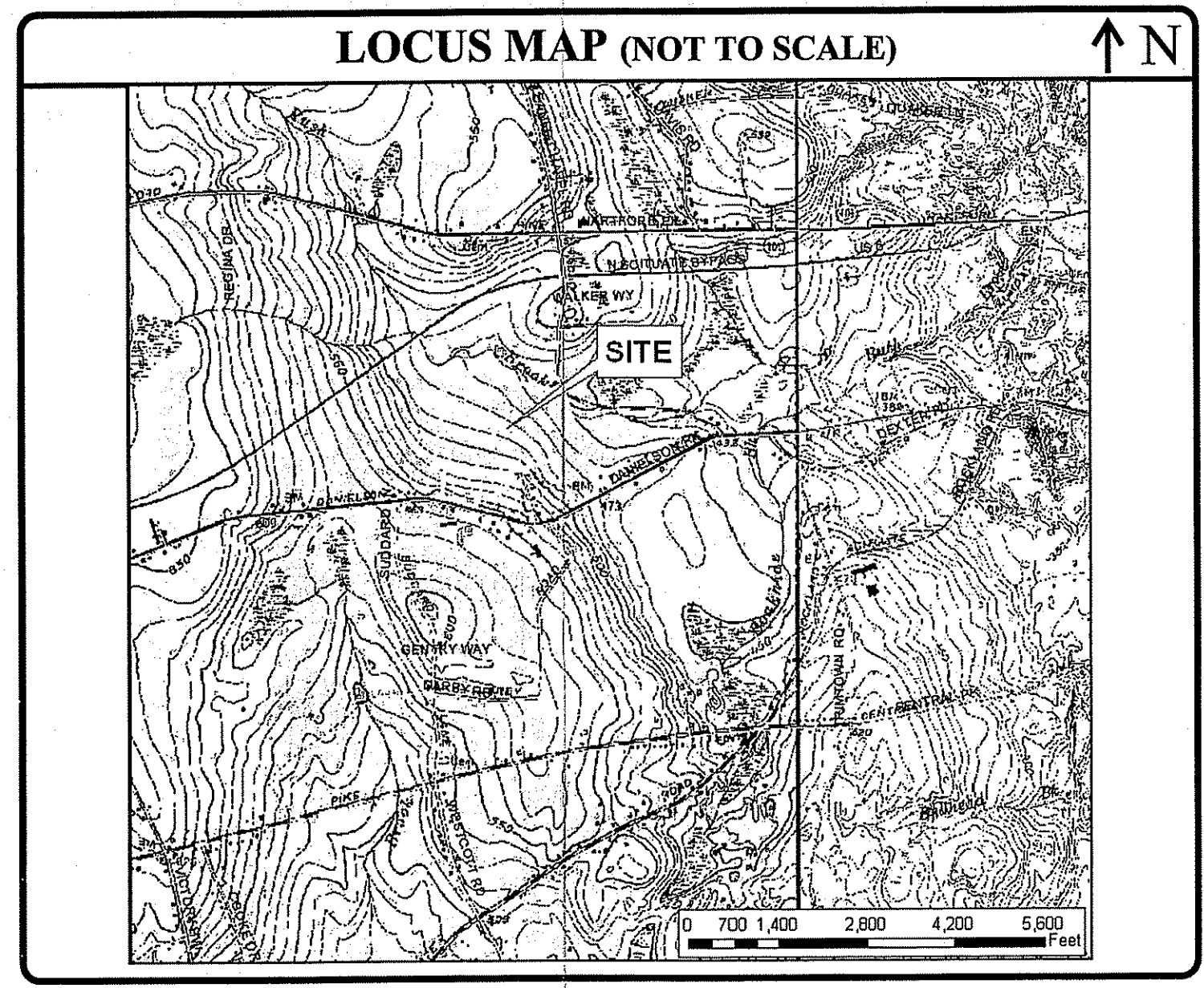
**JCE**  
 JOE CASALI ENGINEERING, Inc.  
 Civil - Site Development - Drainage  
 Wetlands - Floodplain - ISDS  
 300 Post Road, Warwick, RI 02888  
 (401) 944-1300 (401) 944-1313 fax  
 jce@jcecasalengineering.com



**ST. MARY'S ROAD**  
**SCITUATE, RHODE ISLAND**  
**AP 30 LOT 11**

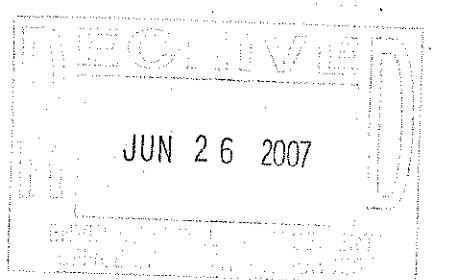
Q:\05-52-National Land Surveyors\05-52c St. Mary's Road\CAD\PLAN SETS\ST. MARY'S (PLAN-SET).dwg Jun. 22, 2007 10:25am

PROJECT TEAM	
<b>OWNER:</b>	KEVIN WEED 1962 ELMWOOD AVE. WARWICK, RI 02888
<b>CIVIL:</b>	JOE CASALI ENGINEERING, INC 300 POST ROAD WARWICK, RI 02888 PHONE: 401-944-1300 FAX: 401-944-1313
<b>SURVEYOR:</b>	NATIONAL SURVEYORS - DEVELOPERS, INC. 42 HAMLET AVENUE WOONSOCKET, RI 02895 401-769-7779



**INDEX OF DRAWINGS**

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6	PROFILE
7	WETLAND DIVERSION PLAN
8	DETAILS I



**REVISIONS:**

NO.	DATE	DESCRIPTION

DRAWN BY: GAH / MRB  
 CHECKED BY: WA  
 DATE: MAY 2007  
 PROJECT NO: 06-52c

**COVER**

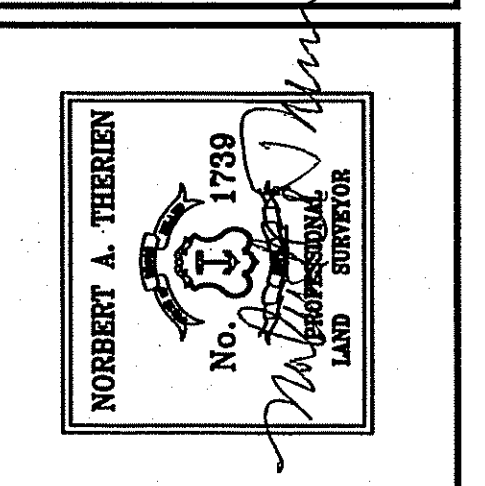
**SHEET  
1 OF 8**

PLAN FOR NOTICE

**ZONING CRITERIA**

ZONING DISTRICT	RR-120
MINIMUM LOT AREA	120,000 SF
MINIMUM LOT FRONTAGE	300'
MINIMUM FRONT YARD SETBACK	50'
MINIMUM SIDE YARD SETBACK	35'
MINIMUM REAR YARD SETBACK	60'
MAXIMUM BUILDING COVERAGE	15%
MAXIMUM BUILDING HEIGHT	30'

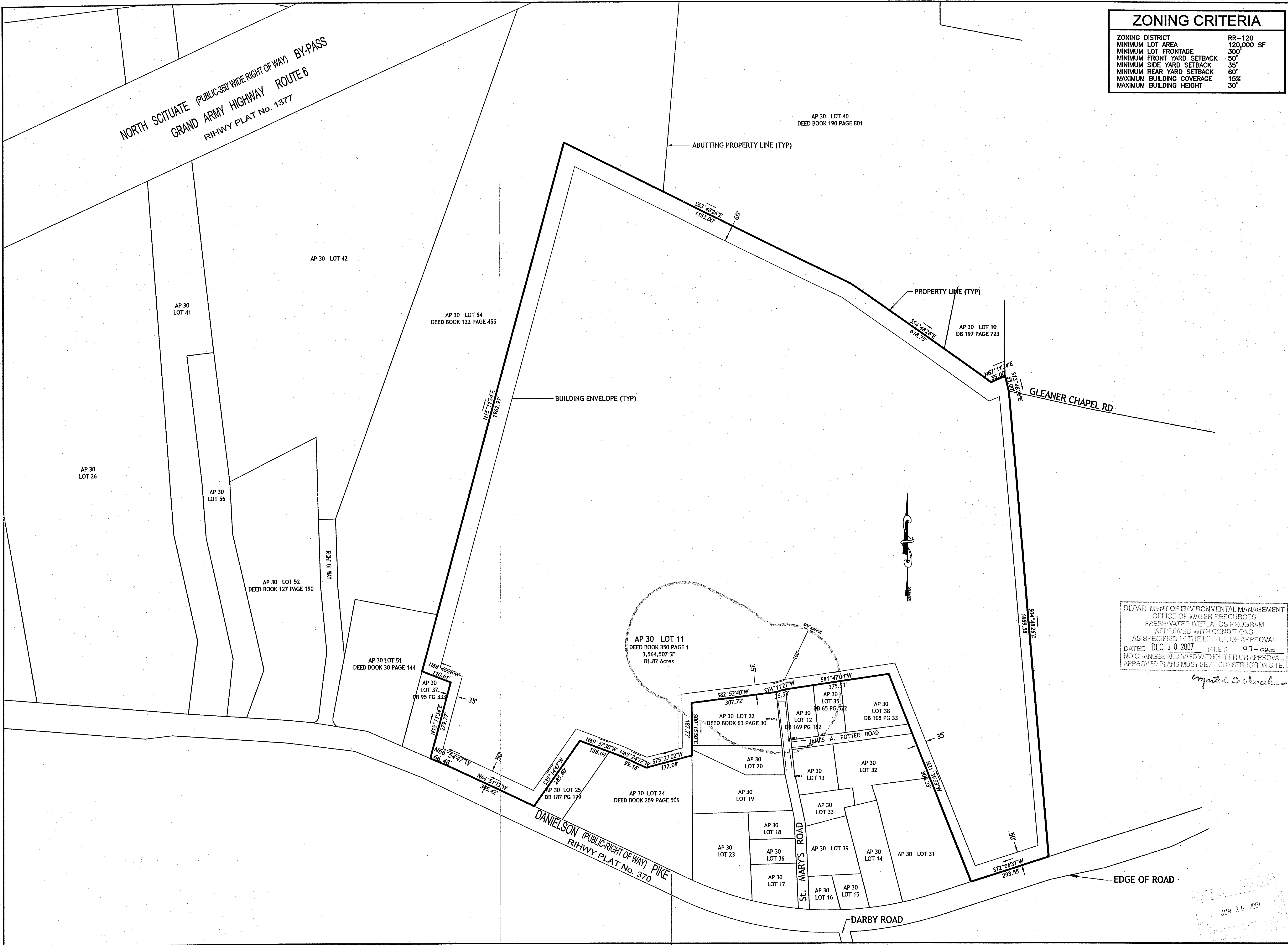
**NATIONAL SURVEYORS-DEVELOPERS INC.**  
 42 HANLET AVE. WOODBRIDGE, R.I.  
 (401) 769-7779



**PROPERTY LINE SURVEY**  
 KEVIN WEEB  
 AP 30 LOT 11  
 ST. MARY'S ROAD  
 SCITUATE, RHODE ISLAND

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I CERTIFY THAT THE INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM THE PUBLIC RECORDS AND IS CORRECT AND THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.  
 BY: *Norbert A. Therien*  
 NORBERT A. THERIEN P.L.S.



JUN 26 2007

Z:\2007\154dwg\ST.MARYS (PLAN-SET).dwg Jun. 25, 2007 9:24am

**GENERAL NOTES:**

THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.

THIS SITE DOES NOT LIE WITHIN ANY KNOWN AGRICULTURAL USE, NATURAL HERITAGE OR FARMLAND CONSERVATION AREAS.

THE CONTOURS SHOWN HEREIN ARE BASED UPON AN ASSUMED DATUM.

THERE ARE NO KNOWN HISTORIC CEMETERIES WITHIN OR IMMEDIATELY ADJACENT TO THIS PARCEL.

THERE ARE NO EXISTING RIGHT OF WAYS OR EASEMENT, EXCEPT AS SHOWN.

THE WETLANDS SHOWN HEREIN WERE DELINEATED BY NATURAL RESOURCE SERVICE, INC.

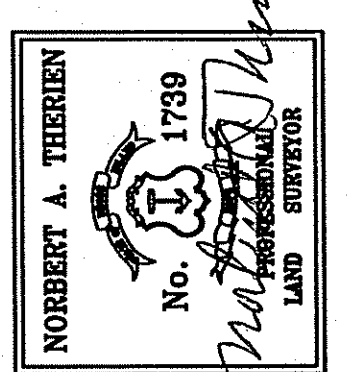
THIS SITE IS WITHIN THE SCITUATE RESERVOIR WATERSHED

**ZONING CRITERIA**

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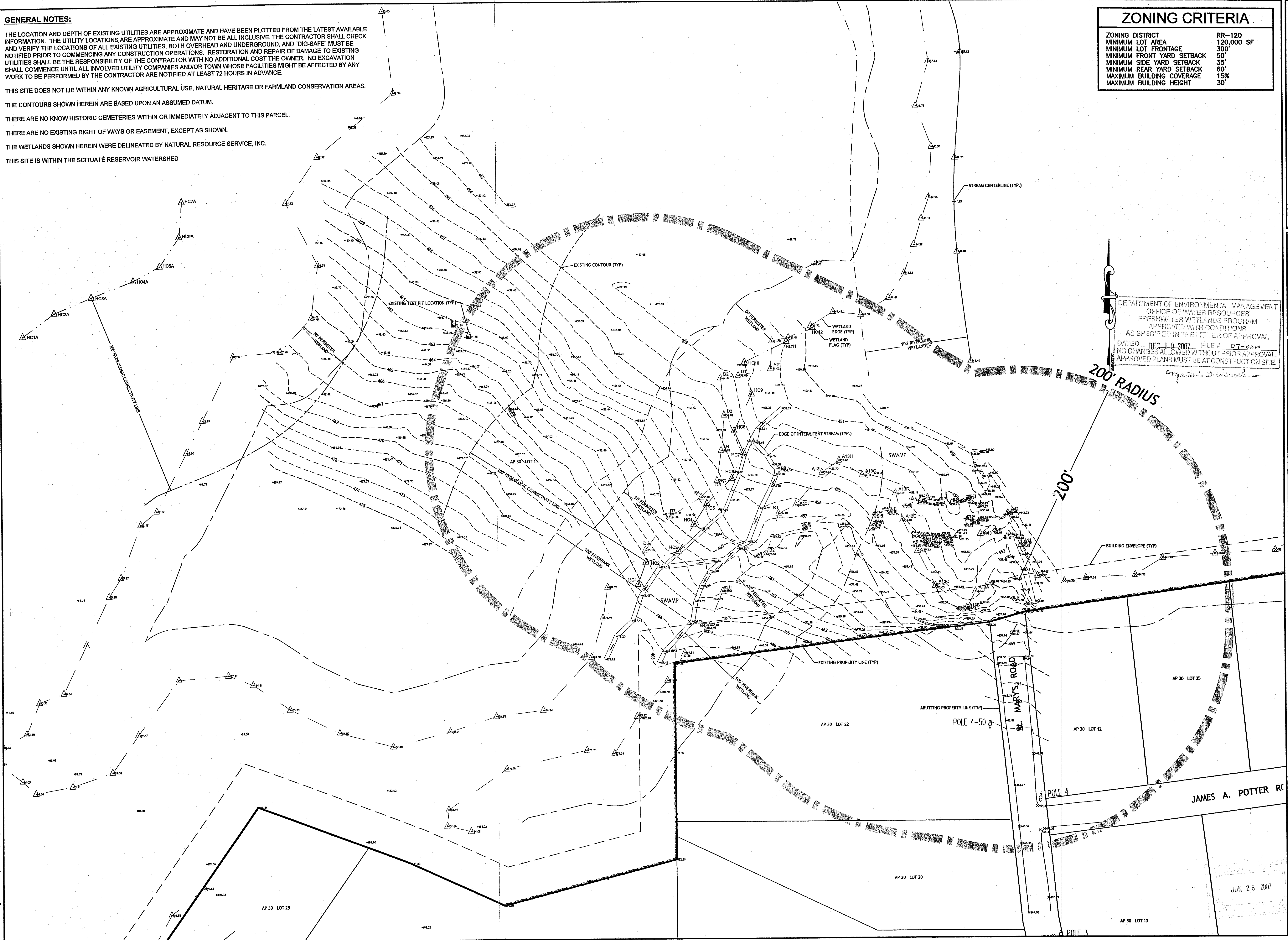
**NATIONAL SURVEYORS-DEVELOPERS INC.**

42 HAMLET AVE. WOODBRIDGE, R.I. (401) 769-7779



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
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*Magdalena D. Wenczel*



**EXISTING CONDITIONS PLAN**

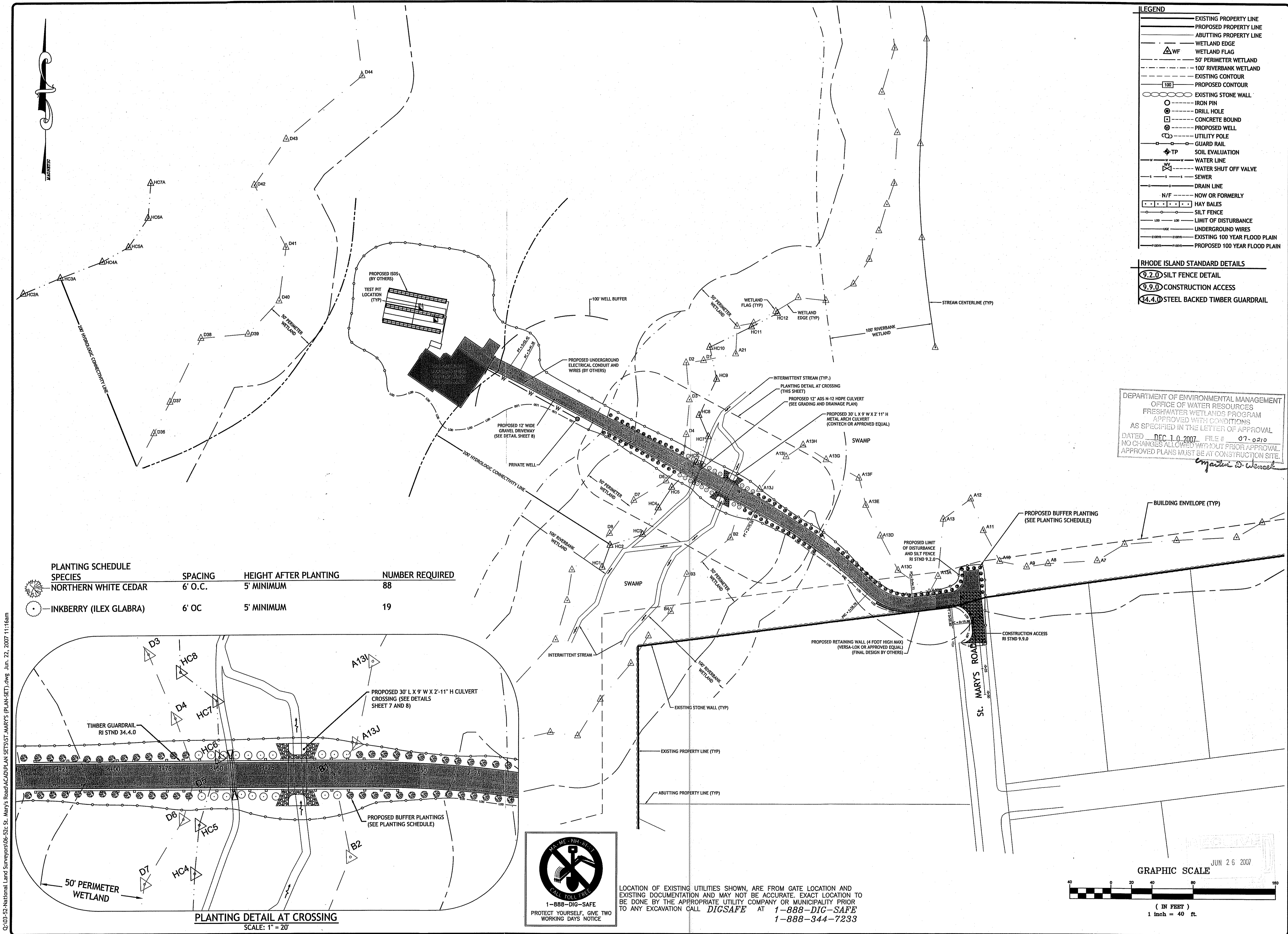
KEVIN WEED  
AP 30 LOT 11  
ST. MARY'S ROAD  
SCITUATE, RHODE ISLAND

MAY 2007

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BY: *Norbert A. Therien*  
NORBERT A. THERIEN P.L.S.

JUN 26 2007

Z:\0007-15\dwg\ST-MARY'S (PLAN-SET).dwg Jun. 25, 2007 9:33am



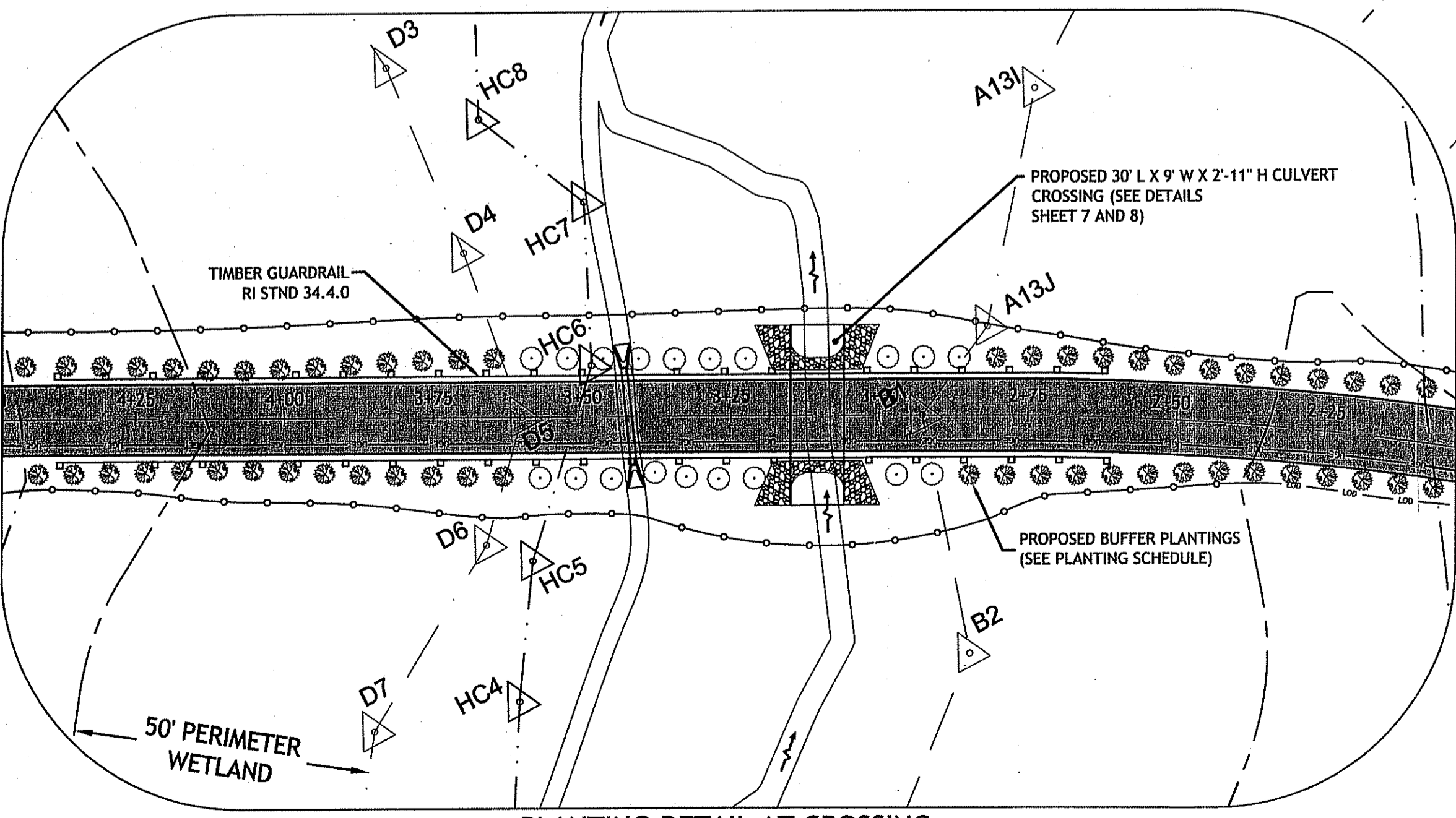
- LEGEND**
- EXISTING PROPERTY LINE
  - - - PROPOSED PROPERTY LINE
  - - - ABUTTING PROPERTY LINE
  - △ WF WETLAND FLAG
  - 50' PERIMETER WETLAND
  - 100' RIVERBANK WETLAND
  - - - EXISTING CONTOUR
  - - - PROPOSED CONTOUR
  - ○ ○ ○ ○ EXISTING STONE WALL
  - DRILL HOLE
  - CONCRETE BOUND
  - PROPOSED WELL
  - ○ ○ ○ ○ UTILITY POLE
  - ○ ○ ○ ○ GUARD RAIL
  - ◆ TP SOIL EVALUATION
  - WATER LINE
  - WATER SHUT OFF VALVE
  - SEWER
  - DRAIN LINE
  - N/F --- NOW OR FORMERLY
  - HAY BALES
  - SILT FENCE
  - ○ ○ ○ ○ LIMIT OF DISTURBANCE
  - UNDERGROUND WIRES
  - EXISTING 100 YEAR FLOOD PLAIN
  - PROPOSED 100 YEAR FLOOD PLAIN

- RHODE ISLAND STANDARD DETAILS**
- 9.2.0 SILT FENCE DETAIL
  - 9.9.0 CONSTRUCTION ACCESS
  - 34.4.0 STEEL BACKED TIMBER GUARDRAIL

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*Jonathan D. Wenzel*

**PLANTING SCHEDULE**

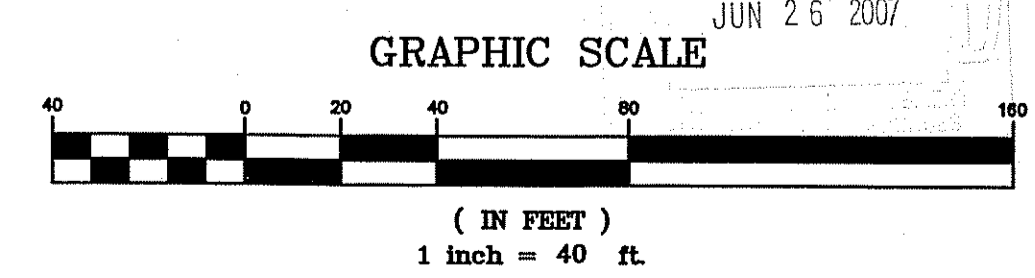
SPECIES	SPACING	HEIGHT AFTER PLANTING	NUMBER REQUIRED
NORTHERN WHITE CEDAR	6' O.C.	5' MINIMUM	88
INKBERRY (ILEX GLABRA)	6' OC	5' MINIMUM	19



**PLANTING DETAIL AT CROSSING**  
 SCALE: 1" = 20'



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL **DIGSAFE** AT 1-888-DIG-SAFE 1-888-344-7233



**JCE**  
 JOE CASALI ENGINEERING, Inc.  
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 Wetlands · Floodplain · ISDS  
 300 Post Road, Warwick, RI 02888  
 (401) 944-1300 (401) 944-1313 fax  
 joe@jceengineering.com

JOSEPH A. CASALI  
 No. 17250  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 R.I.E.C.

**ST. MARY'S ROAD  
 SCITUATE, RHODE ISLAND  
 AP 30 LOT 11**

**REVISIONS:**

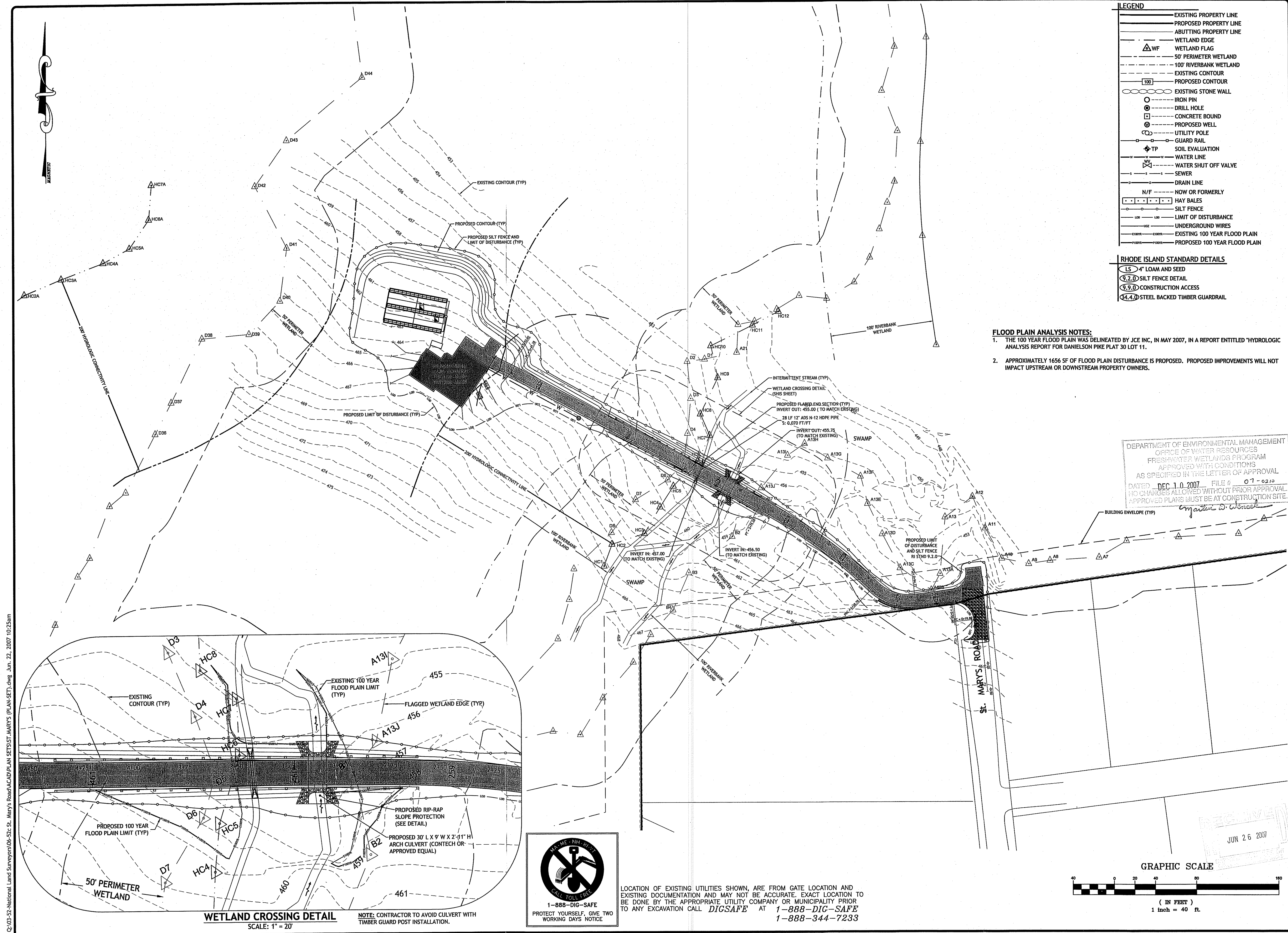
NO.	DATE	DESCRIPTION

DRAWN BY: GAH / MRB  
 CHECKED BY: WA  
 DATE: MAY 2007  
 PROJECT NO: 06-52c

**SITE PLAN**

**SHEET 4 OF 8**

Q:\03-52-National Land Surveys\06-52c St. Mary's Road\ACAD\PLAN SET\3517-MARYS (PLAN-SET).dwg Jun. 22, 2007 11:16am



**LEGEND**

- EXISTING PROPERTY LINE
- - - PROPOSED PROPERTY LINE
- - - ABUTTING PROPERTY LINE
- - - WETLAND EDGE
- △ WF WETLAND FLAG
- - - 50' PERIMETER WETLAND
- - - 100' RIVERBANK WETLAND
- - - EXISTING CONTOUR
- - - PROPOSED CONTOUR
- ○ ○ ○ ○ EXISTING STONE WALL
- ○ ○ ○ ○ IRON PIN
- ○ ○ ○ ○ DRILL HOLE
- CONCRETE BOUND
- ○ ○ ○ ○ PROPOSED WELL
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- LIMIT OF DISTURBANCE
- UNDERGROUND WIRES
- - - EXISTING 100 YEAR FLOOD PLAIN
- - - PROPOSED 100 YEAR FLOOD PLAIN

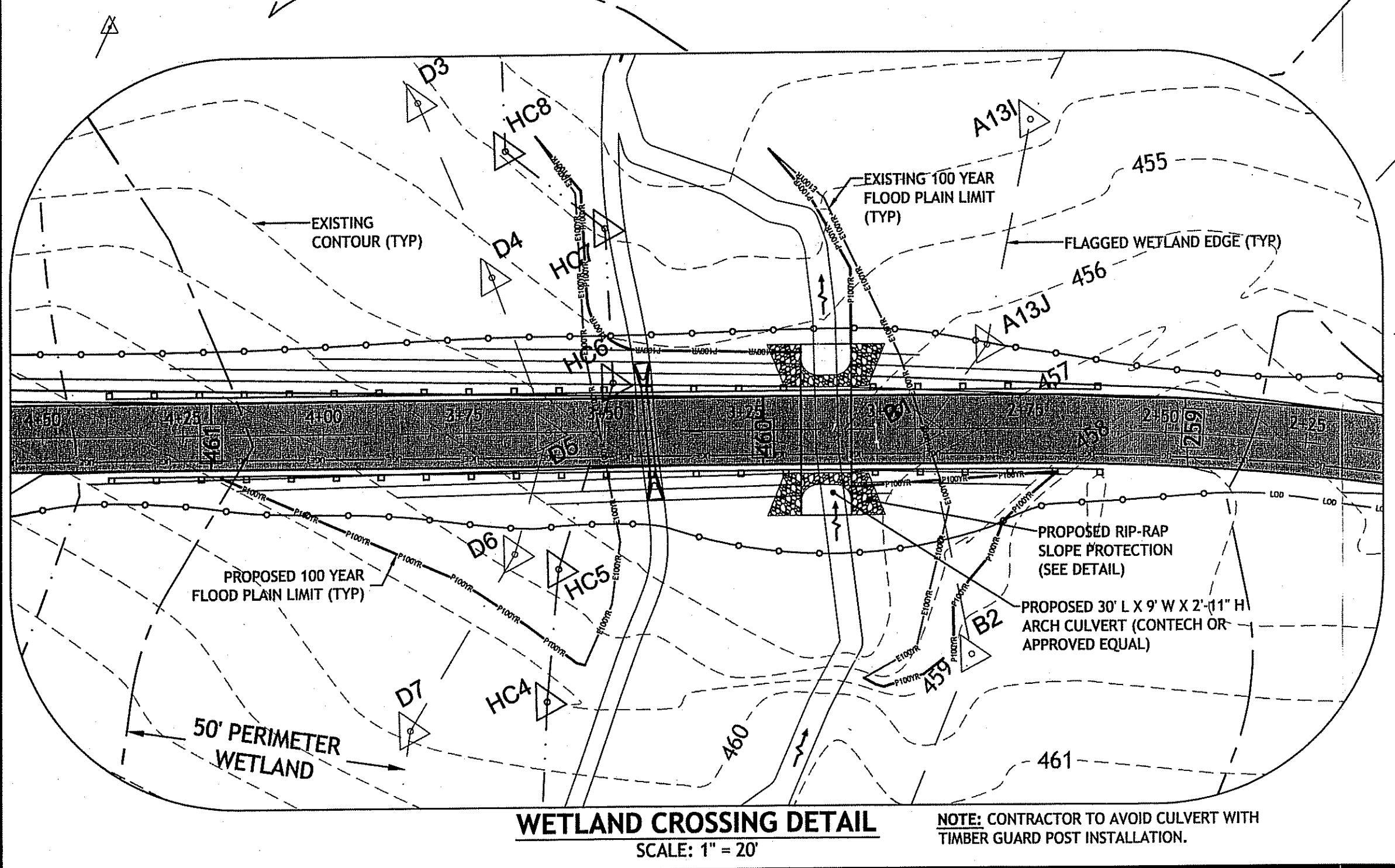
**RHODE ISLAND STANDARD DETAILS**

- ① 4" LOAM AND SEED
- ② SILT FENCE DETAIL
- ③ CONSTRUCTION ACCESS
- ④ STEEL BACKED TIMBER GUARDRAIL

**FLOOD PLAIN ANALYSIS NOTES:**

1. THE 100 YEAR FLOOD PLAIN WAS DELINEATED BY JCE INC., IN MAY 2007, IN A REPORT ENTITLED "HYDROLOGIC ANALYSIS REPORT FOR DANIELSON PIKE PLAT 30 LOT 11."
2. APPROXIMATELY 1656 SF OF FLOOD PLAIN DISTURBANCE IS PROPOSED. PROPOSED IMPROVEMENTS WILL NOT IMPACT UPSTREAM OR DOWNSTREAM PROPERTY OWNERS.

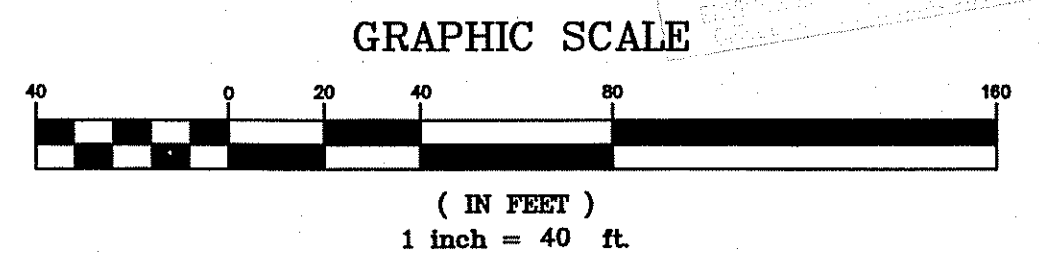
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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**WETLAND CROSSING DETAIL**  
 SCALE: 1" = 20'



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 joe@jcecasalingeering.net

JOSEPH A. CASALI  
 No. 750  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 6-22-07

**ST. MARY'S ROAD  
 SCITUATE, RHODE ISLAND  
 AP 30 LOT 11**

**REVISIONS:**

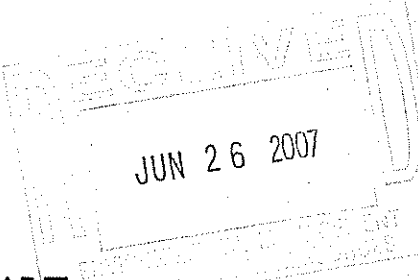
NO.	DATE	DESCRIPTION

DRAWN BY: GAH / MRB  
 CHECKED BY: WA  
 DATE: MAY 2007  
 PROJECT NO: 06-52c

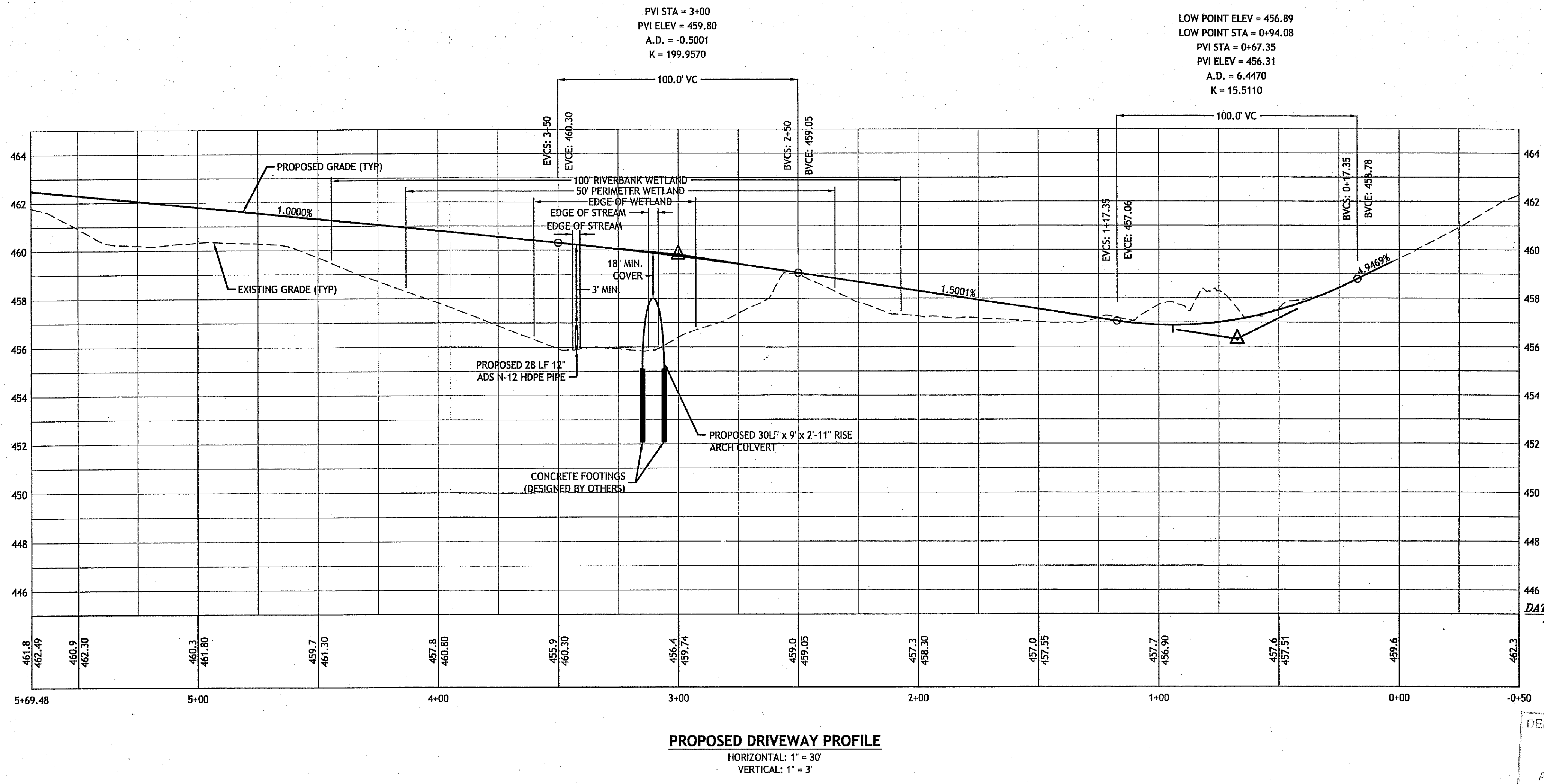
**GRADING AND DRAINAGE PLAN**

**SHEET 5 OF 8**

Q:\03-92-National Land Surveys\06-52c-St. Mary's Road\ACAD\PLAN SET\ST-MARYS (PLAN-SET).dwg Jun. 22, 2007 10:25am



Q:\03-52-National Land Surveyors\06-52c St. Mary's Road\ACAD\PLAN SET\ST. MARY'S (PLAN-SET).dwg Jun. 22, 2007 10:25am



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*Magister D. Wenzel*

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JOSEPH A. CASALI  
 7250  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 6-22-07

**ST. MARY'S ROAD  
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REVISIONS:

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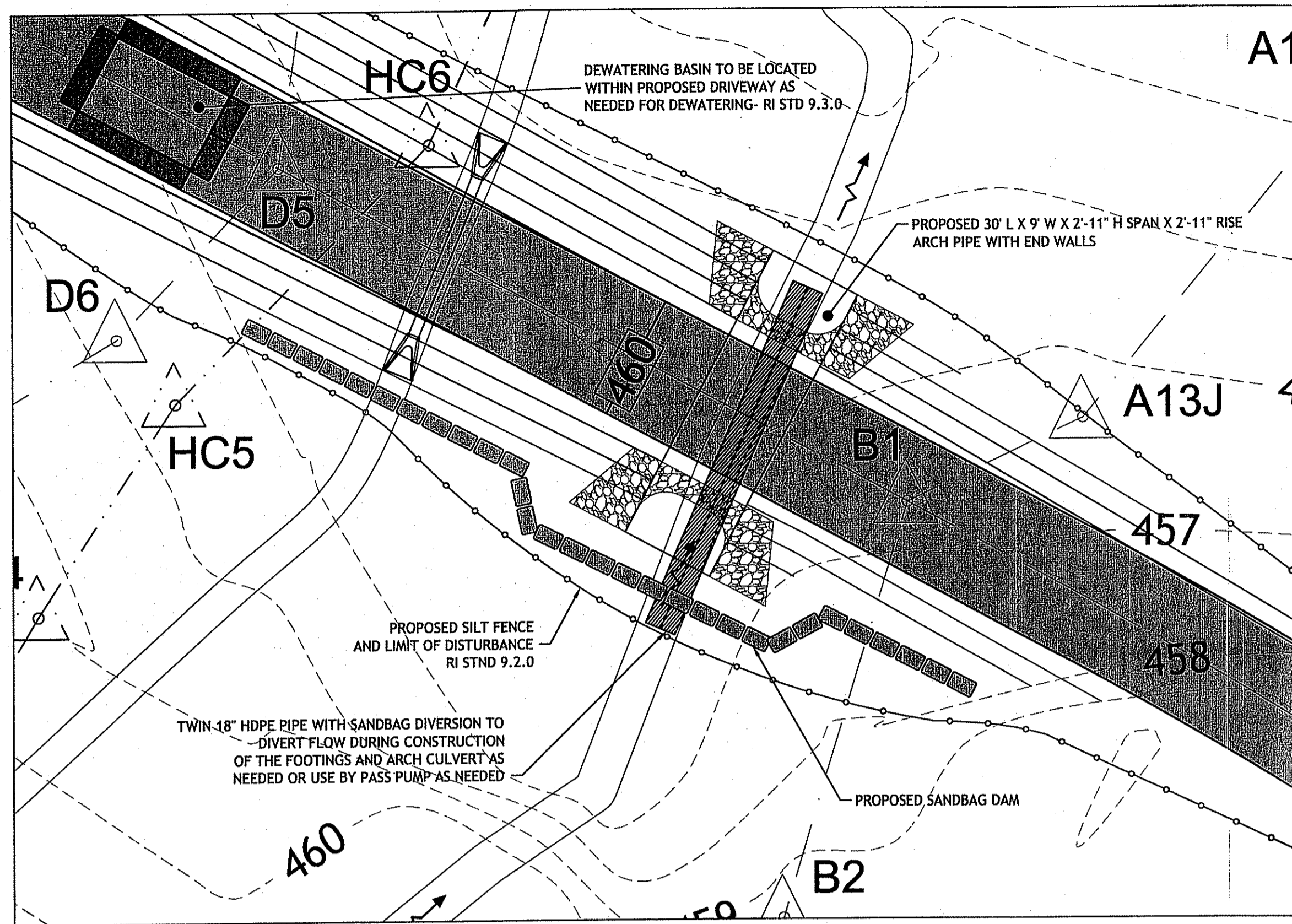
DRAWN BY: GAH / MRB  
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 DATE: MAY 2007  
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**PROFILE**

**SHEET  
 6 OF 8**

JUN 26 2007

PLAN FOR NOTICE



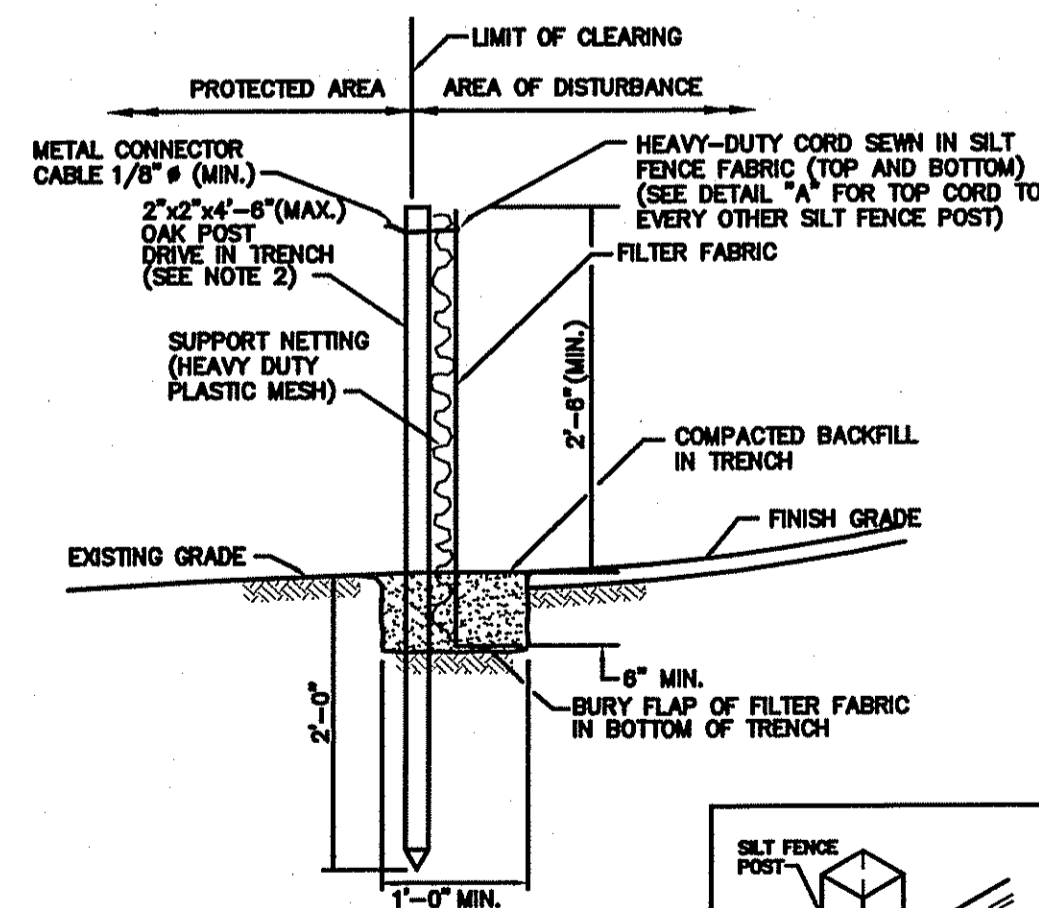
**CONTRACTOR DIVERSION DETAIL**  
SCALE: 1" = 10'

**NOTES:**

- ALL CONSTRUCTION SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- CONSTRUCTION OF CULVERT SHALL BE LIMITED TO LOW FLOW CONDITIONS IN JULY-OCTOBER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA REQUIREMENTS INCLUDING SHORING IN TRENCHES.
- THE DIVERSION IS DESIGNED FOR THE 2 YEAR DESIGN STORM.
- THE CONTRACTOR SHALL HAVE A BY-PASS PUMP AND ALL NECESSARY EQUIPMENT FOR TRENCH DEWATERING AND BY PASS PUMPING.
- PROPOSED DIVERSION PLAN OFFERS TWO OPTIONS:
  - INSTALL SANDBAG DAM AND UTILIZE BY PASS PUMP TO AVOID CONSTRUCTION AREA FOR CULVERT INSTALLATION
  - INSTALL SANDBAG DAM AND TWIN 18" HDPE PIPED TO CARRY FLOW THROUGH CONSTRUCTION AREA.

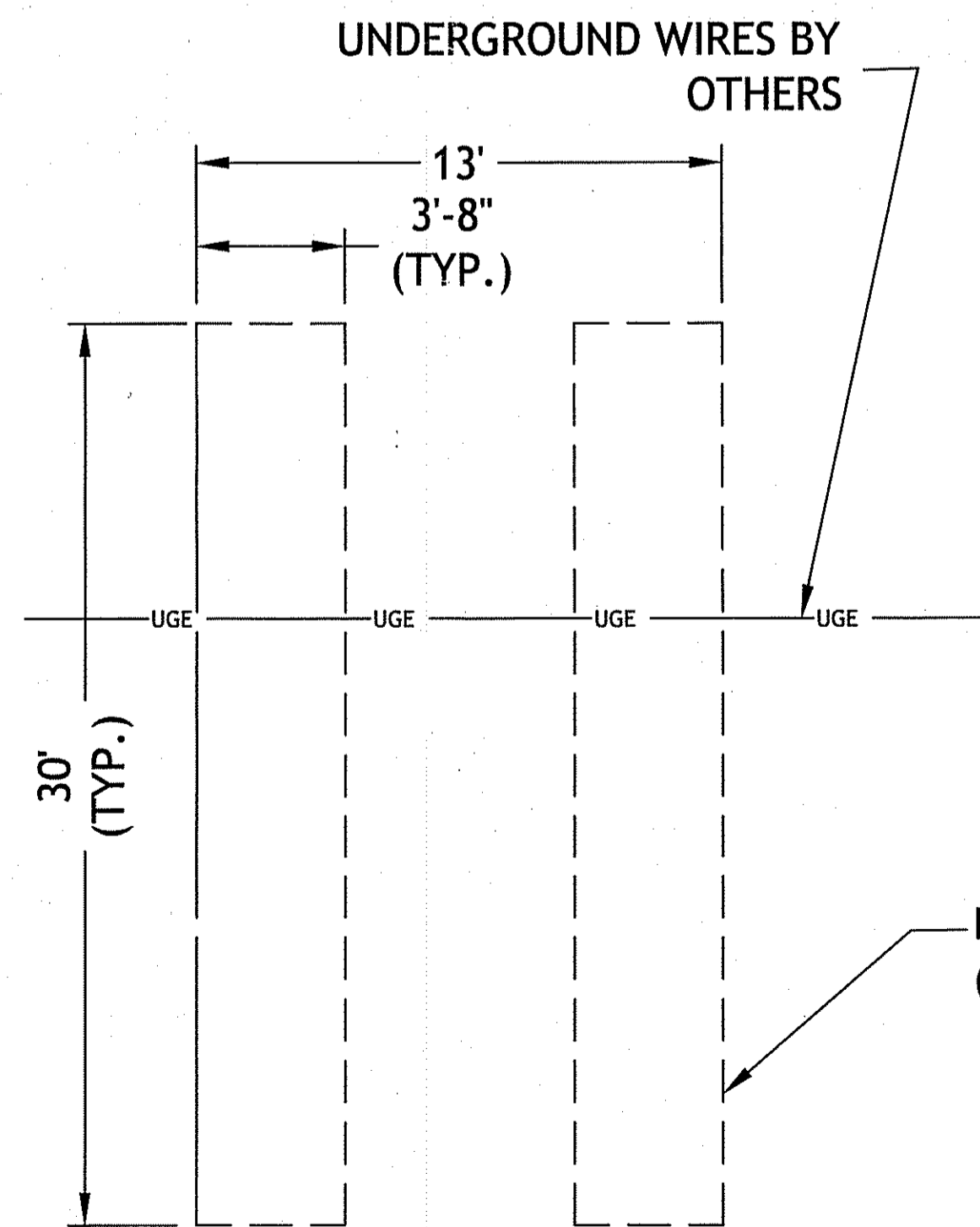
**CONSTRUCTION PROCEDURE - ESTIMATED TIME ± 2-WEEKS:**

- ALL SOIL EROSION AND SEDIMENTATION CONTROLS (SILT FENCE AND DEWATERING BASIN) SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL THE DIVERSION AS SHOWN (1-DAY).
- COMMENCE FOOTING EXCAVATION (1-DAY).
- SET FORMS (1-DAY).
- POUR FOOTINGS (1-DAY).
- CURE FOR SEVEN (7) DAYS.
- STRIP FORMS (1/2 DAY)
- INSTALL PIPE ARCH (1-DAY)
- RESTORE BACKFILL, GRADING, INSTALL RIP-RAP AND LOAM AND SEED THE DISTURBED AREA (1-DAYS)

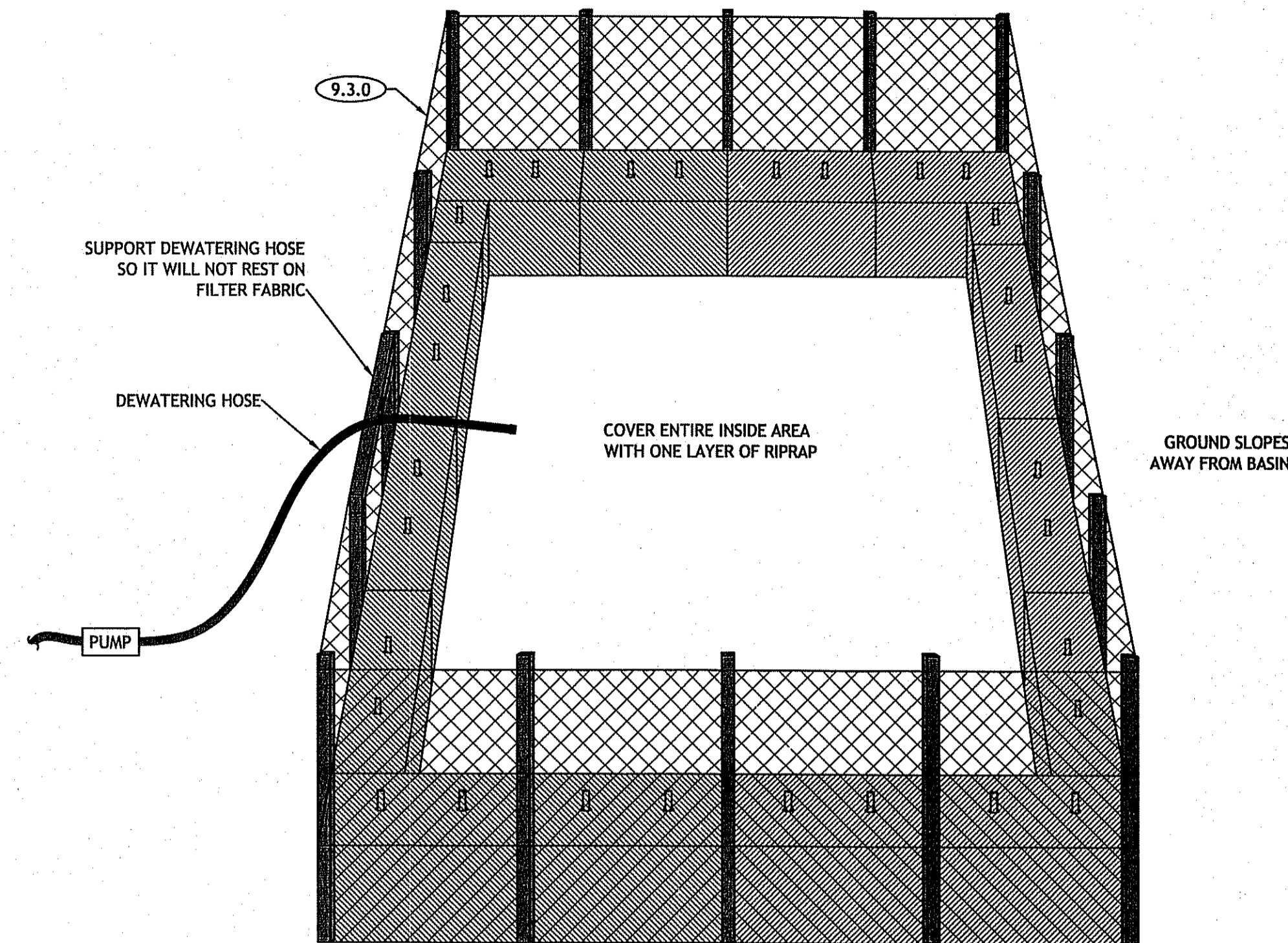


- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
  - 2"x2'-4"-8"(MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0"(MAX.) O.C. IN WETLAND AREAS AND 4'-0"(MAX.) O.C. IN WETLAND RAVIDGE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
  - 1"x4"-4"(MIN.) POSTS PERMITTED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

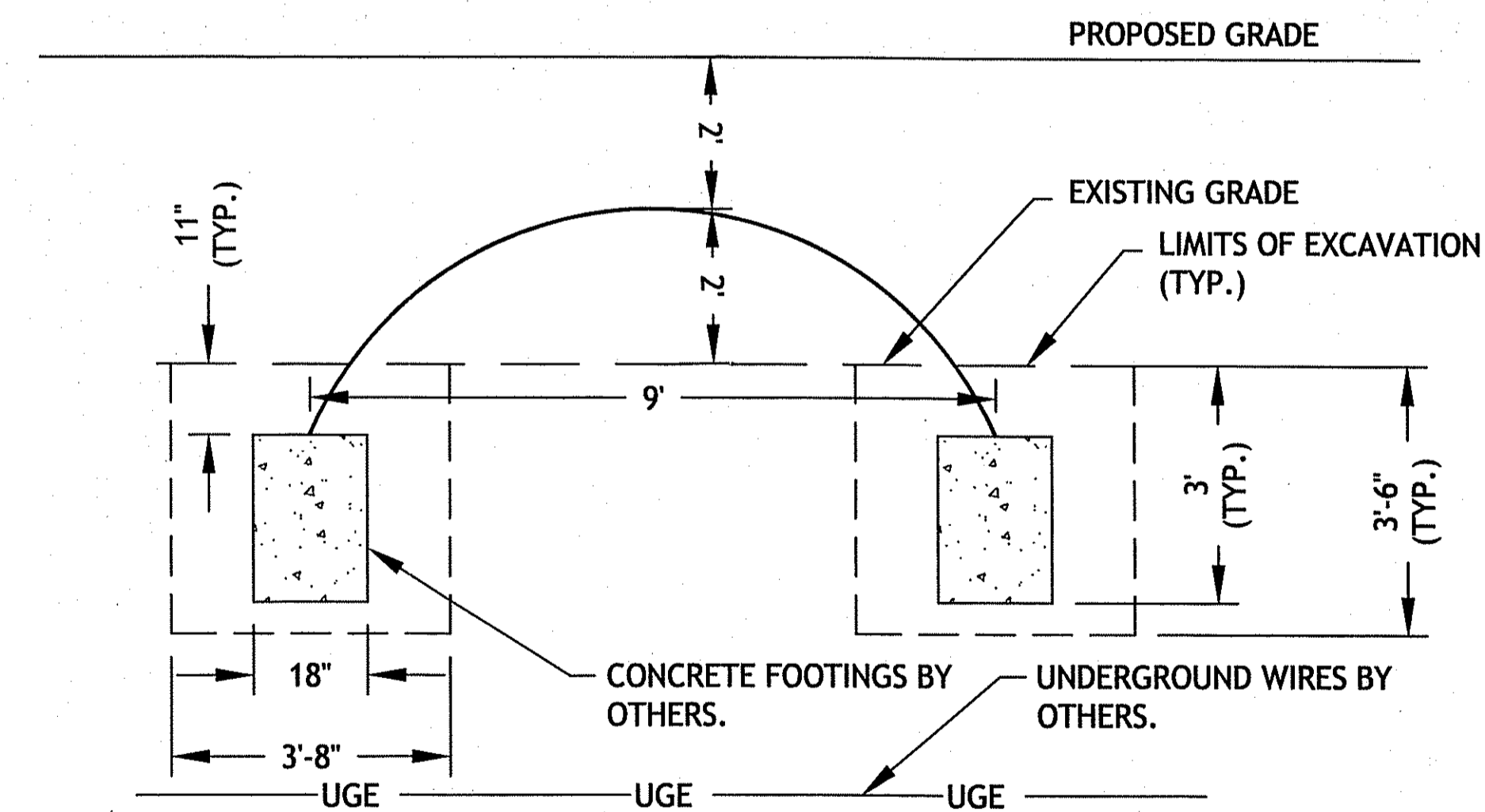
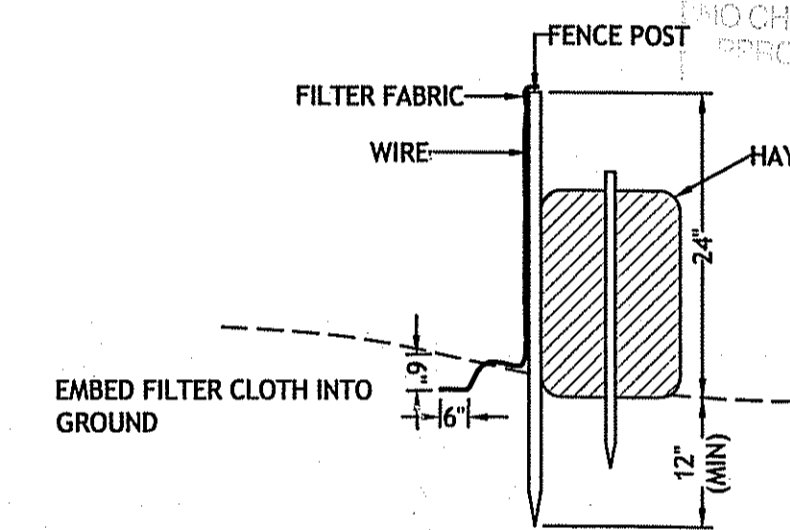
**SILT FENCE DETAIL**  
R.I. STANDARD 9.2.0



**LIMITS OF EXCAVATION-PLAN**  
SCALE: 1" = 4'



**DEWATERING BASIN DETAIL**  
NOT TO SCALE

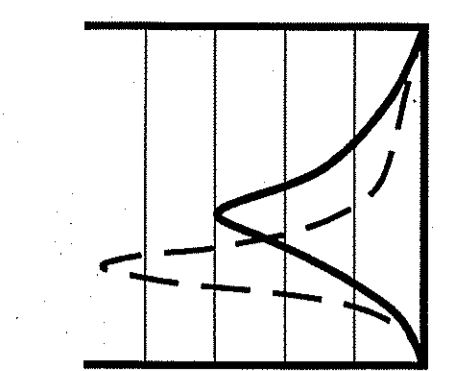


**LIMITS OF EXCAVATION-SECTION**  
SCALE: 1" = 2'

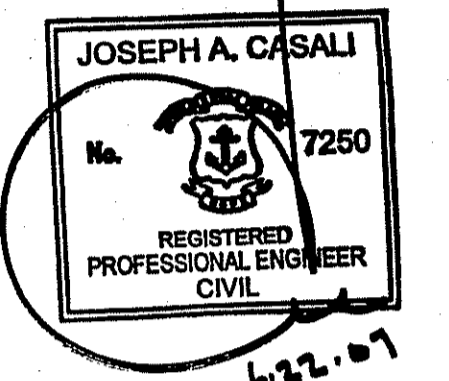
**NOTE:**

- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER FOR FINAL DESIGN OF THE CONCRETE FOOTINGS BASED ON AN ALLOWABLE BEARING PRESSURE OF 2000 PSI, AND 4' FEET OF FILL OVER THE PIPE.
- DEPTH OF THE UNDERGROUND WIRES BELOW CONCRETE FOOTINGS TO BE THE UTILITY CONTRACTORS RESPONSIBILITY.

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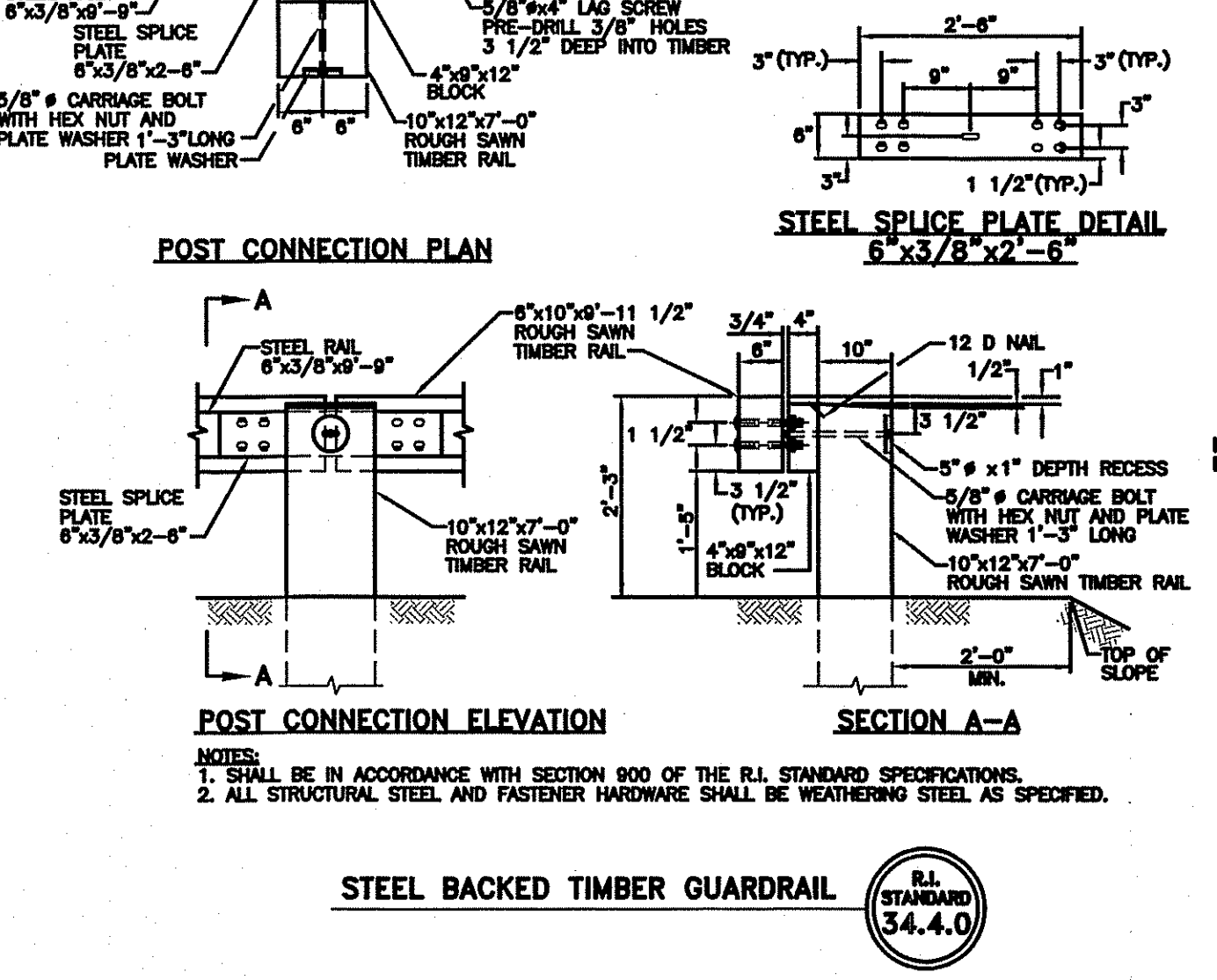
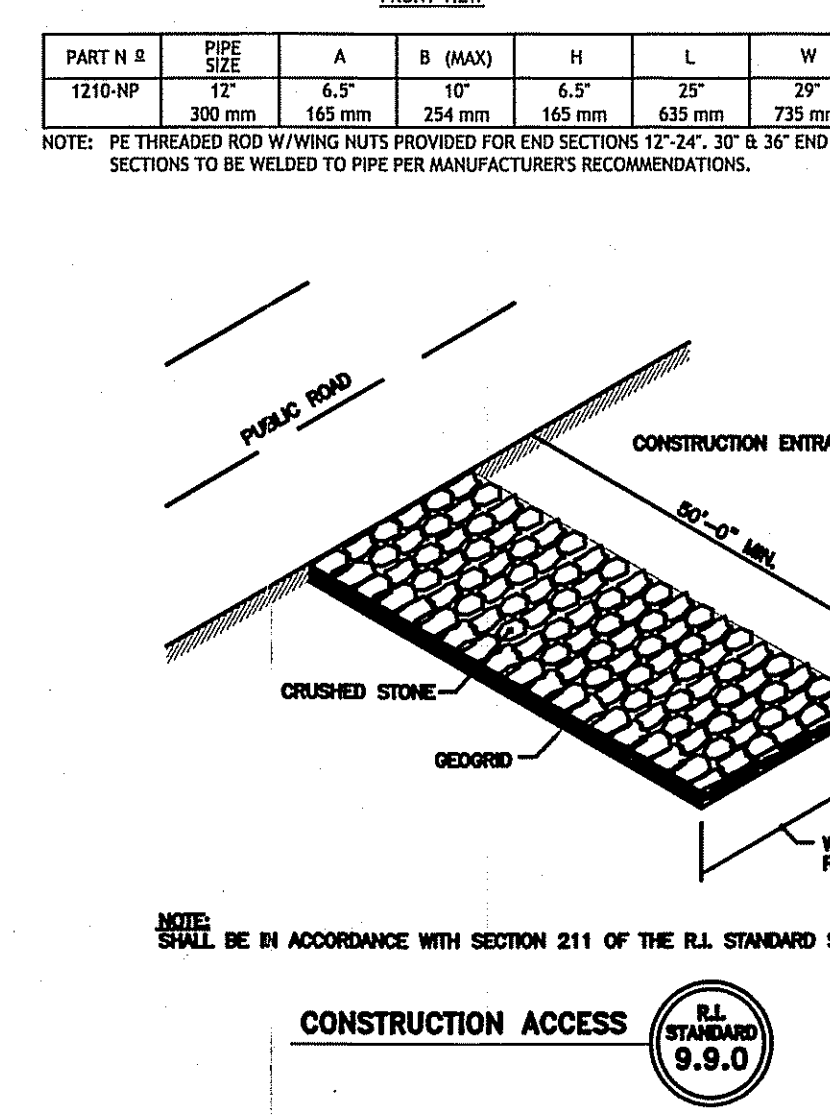
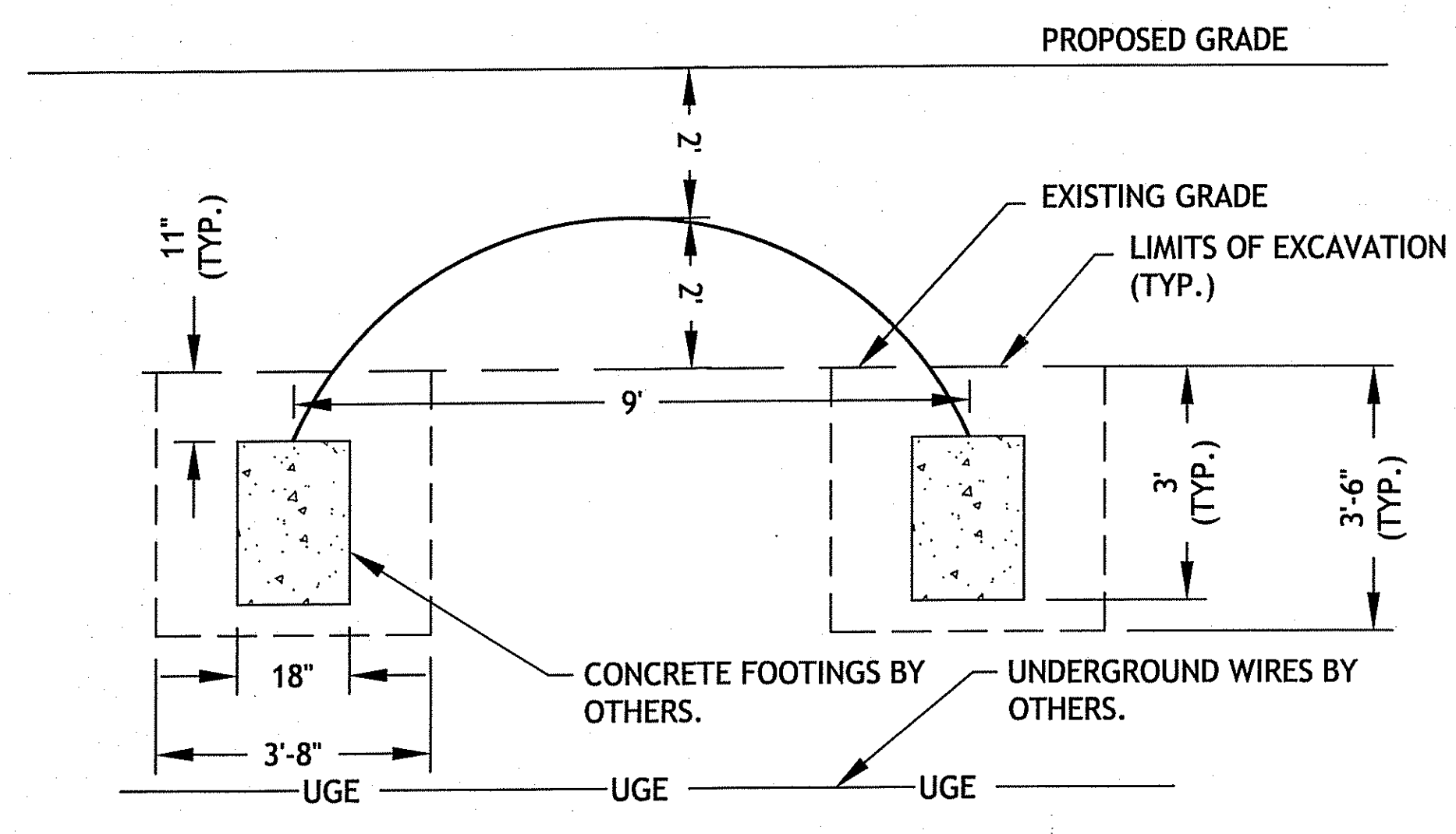
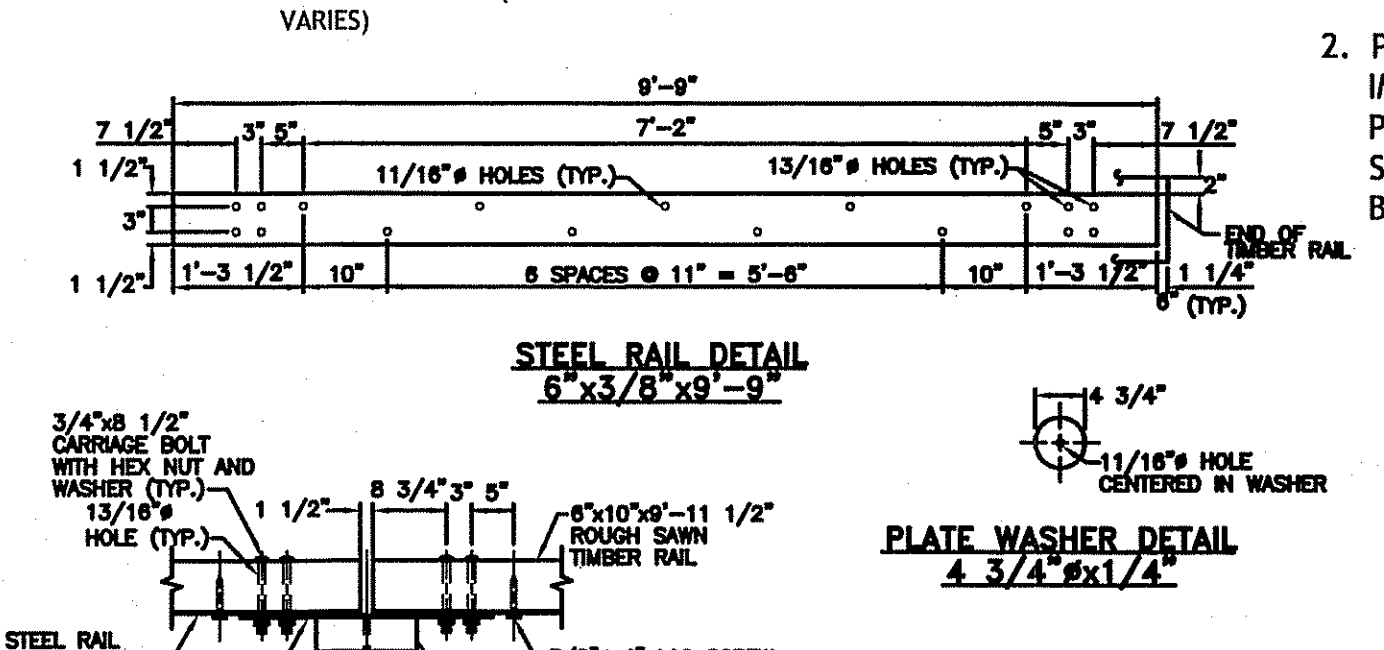
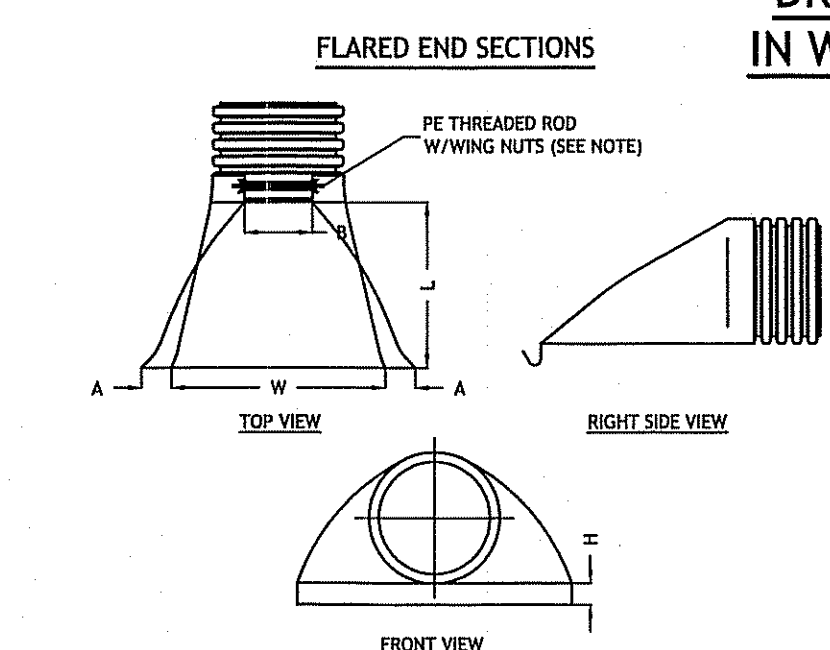
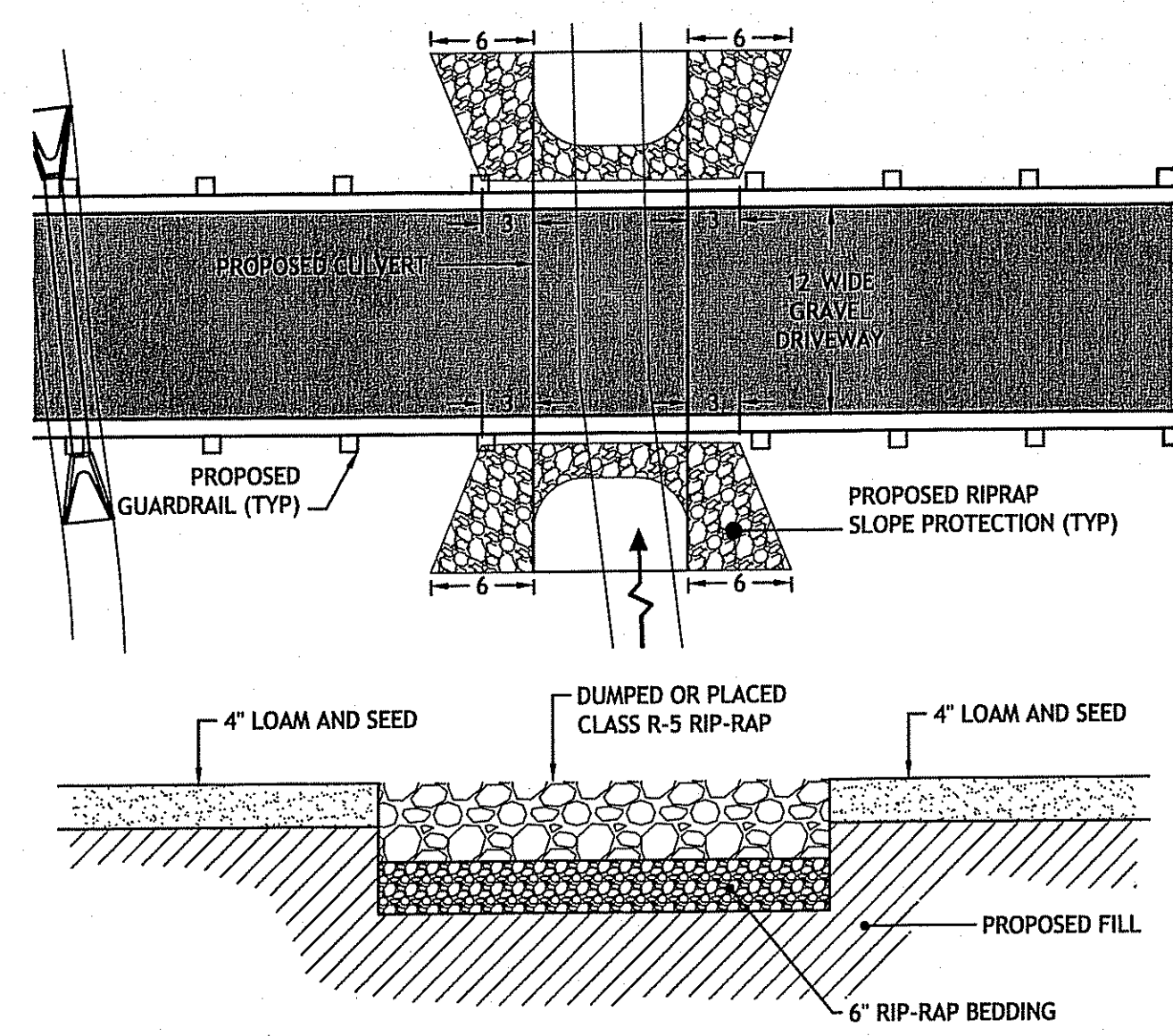
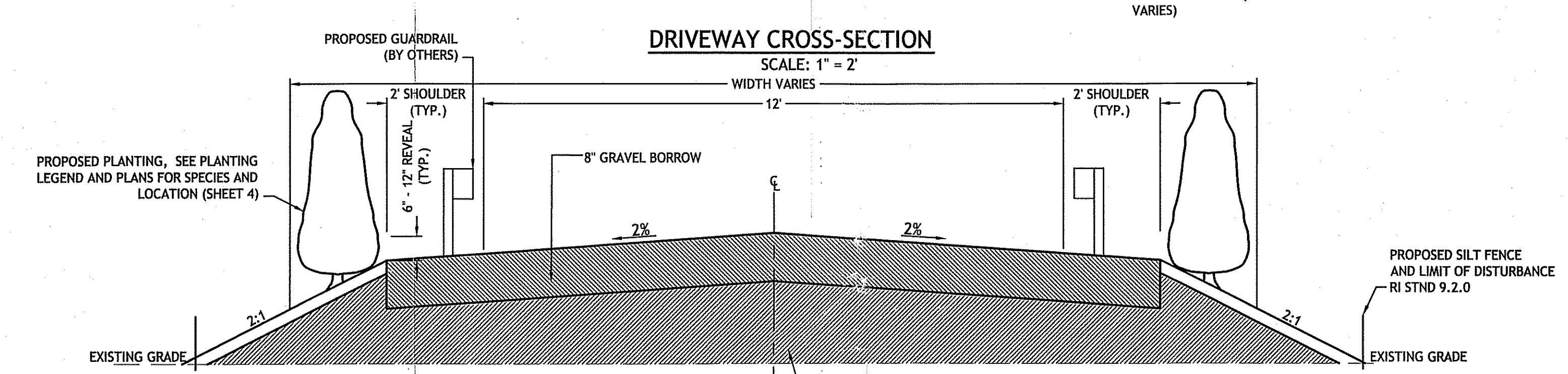
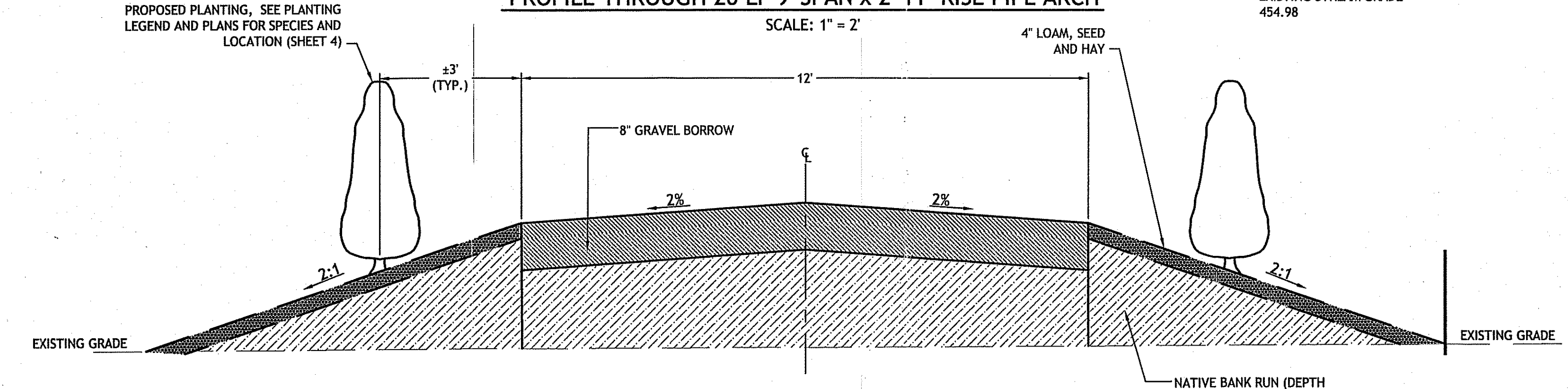
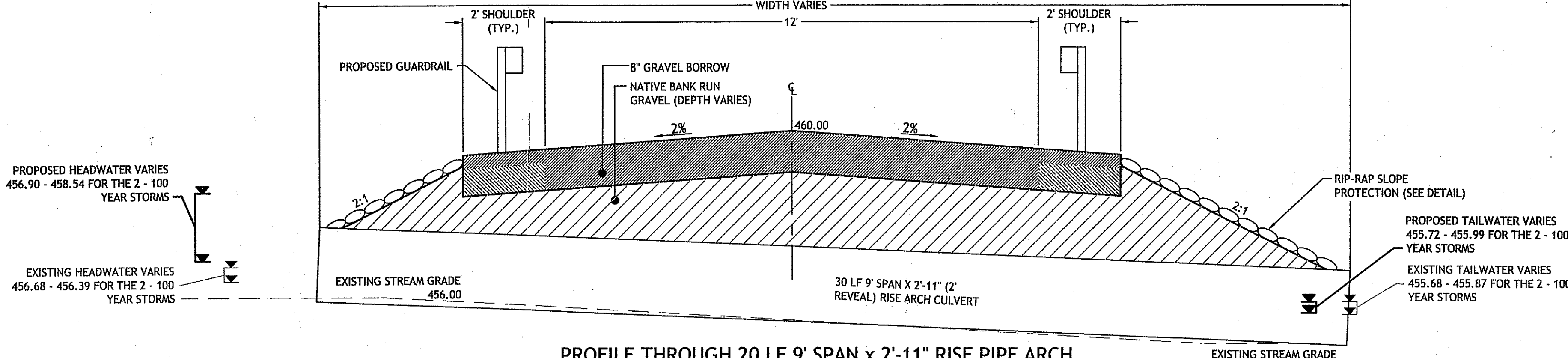
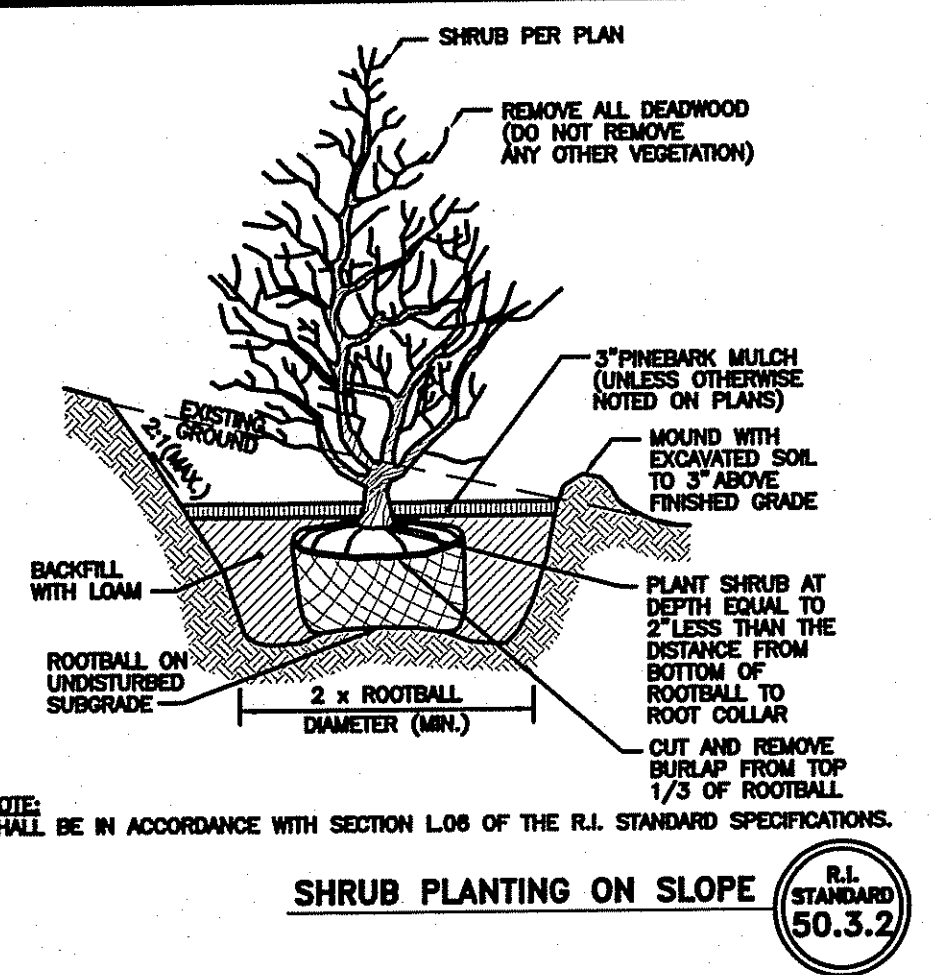
**REVISIONS:**

NO.	DATE	DESCRIPTION

DRAWN BY: GAH / MRB  
CHECKED BY: WA  
DATE: MAY 2007  
PROJECT NO: 06-52c

**WETLAND DIVERSION PLAN**

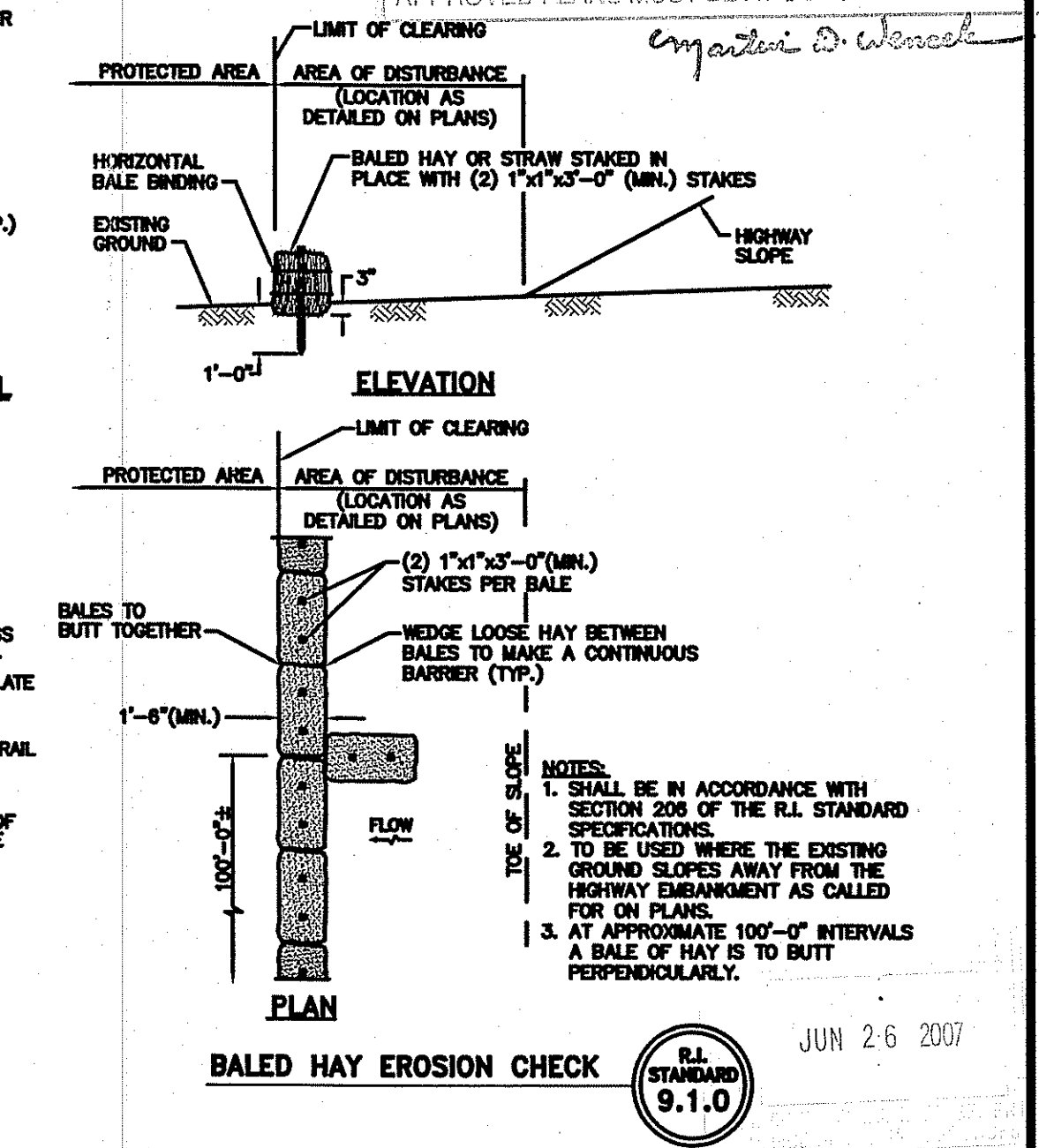
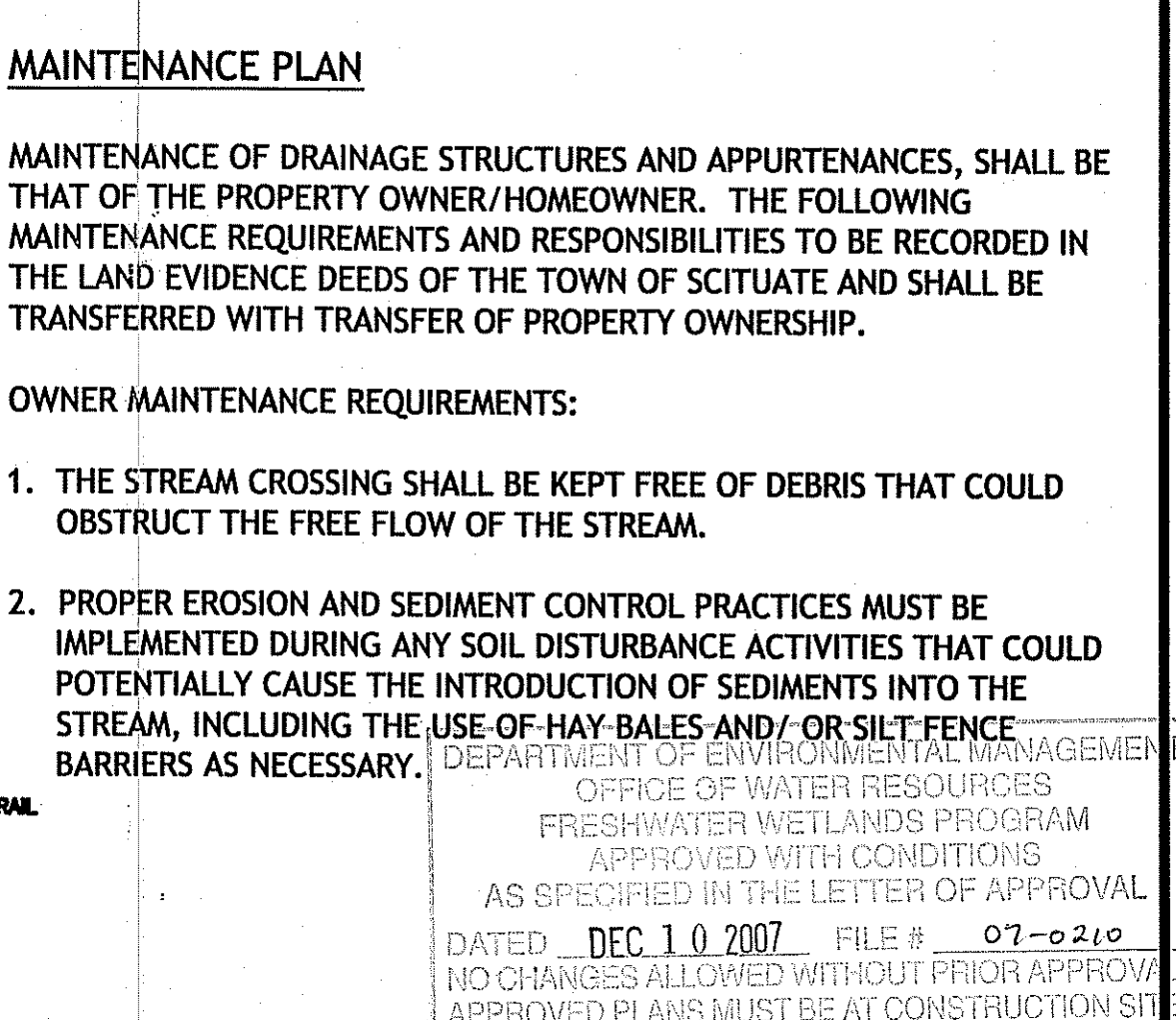
**SHEET 7 OF 8**



- EROSION CONTROL & SOIL STABILIZATION PROGRAM**
- 1) DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
  - 2) THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROXIMATE INOCULUM FOR EACH VARIETY.
  - 3) THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:
- | MIXTURE            | % BY WGT. | SEEDING DATES     |
|--------------------|-----------|-------------------|
| RED FESCUE         | 75        | APRIL 1 - JUNE 15 |
| COLONIAL BENTGRASS | 5         | AUG. 15 - OCT. 15 |
| PERENNIAL RYEGRASS | 5         |                   |
| BIRDSFOOT TREFLOIL | 15        |                   |
- TOTAL 100# PER ACRE
- 4) TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR A FIBER LINING (JUTE, BURLAP, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
  - 5) HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3000-4000 LBS. PER ACRE.
  - 6) REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND THE ORDER OF PROCEDURE FOR PROPER COORDINATION.

- SEDIMENTATION CONTROL PROGRAM**
- 1) EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
  - 2) ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED, SHALL RECEIVE SUITABLE SLOPE PROTECTION.
  - 3) DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
  - 4) SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
  - 5) REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE US DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE 1980, AS A GUIDE.

- MAINTENANCE PLAN**
- MAINTENANCE OF DRAINAGE STRUCTURES AND APPURTENANCES, SHALL BE THAT OF THE PROPERTY OWNER/HOMEOWNER. THE FOLLOWING MAINTENANCE REQUIREMENTS AND RESPONSIBILITIES TO BE RECORDED IN THE LAND EVIDENCE DEEDS OF THE TOWN OF SCITUATE AND SHALL BE TRANSFERRED WITH TRANSFER OF PROPERTY OWNERSHIP.
- OWNER MAINTENANCE REQUIREMENTS:**
1. THE STREAM CROSSING SHALL BE KEPT FREE OF DEBRIS THAT COULD OBSTRUCT THE FREE FLOW OF THE STREAM.
  2. PROPER EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IMPLEMENTED DURING ANY SOIL DISTURBANCE ACTIVITIES THAT COULD POTENTIALLY CAUSE THE INTRODUCTION OF SEDIMENTS INTO THE STREAM, INCLUDING THE USE OF HAY BALES AND/OR SILT FENCE BARRIERS AS NECESSARY.



**JCE**  
JOE CASALI ENGINEERING, INC.  
Civil - Site Development - Drainage  
Wetlands - Floodplain - ISDS  
300 Post Road, Warwick, RI 02888  
(401) 944-1310 fax  
jce@jceengineering.com

JOSEPH A. CASALI  
7250  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL  
6-22-07

**ST. MARY'S ROAD  
SCITUATE, RHODE ISLAND  
AP 30 LOT 11**

**REVISIONS:**

NO.	DATE	DESCRIPTION

DRAWN BY: GAH / MRB  
CHECKED BY: WA  
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**DETAILS I**

**SHEET 8 OF 8**

PLAN FOR NOTICE