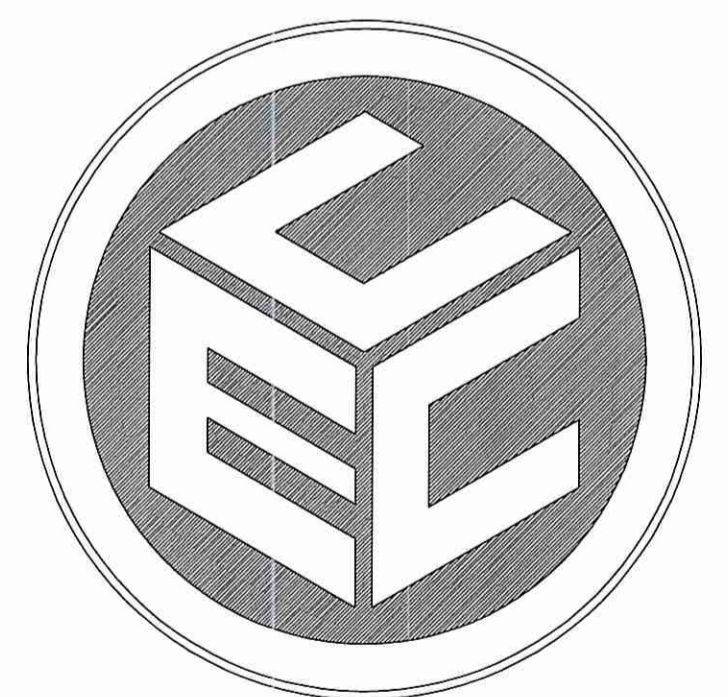


# MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION

FOR  
 "NIPMUC III"  
 ASSESSORS PLAT 50, LOT 2  
 ON  
 NIPMUC ROAD  
 IN  
 SCITUATE, RHODE ISLAND

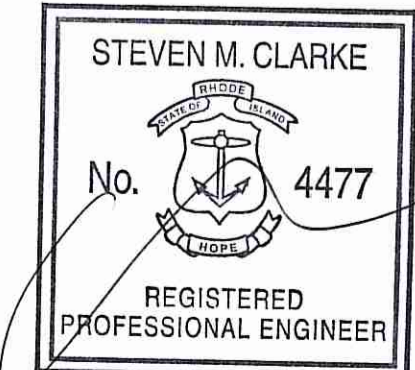
OWNER/APPLICANT  
 ANNESE CONSTRUCTION, INC.  
 175 HINES FARM ROAD  
 CRANSTON, RHODE ISLAND 02921  
 PHONE: (401) 946-4200



**COMMONWEALTH**  
 ENGINEERS & CONSULTANTS, INC.

400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908

DATE: JULY 15, 2013  
 REVISED: 8/9/13  
 REVISED: 9/18/13  
 REVISED: 11/1/13



**SITE DEVELOPMENT NOTES:**

- THIS PROPERTY FALLS WITHIN THE FLAT RIVER RESERVOIR / PAWTUXET RIVER SOUTH BRANCH WATERSHED.
- ALL OWTS ARE SIZED BASED UPON 4-BEDROOM RESIDENTIAL DWELLINGS.
- ALL LOTS WILL BE SERVICED BY INDIVIDUAL PRIVATE WELLS (50' MIN FROM EDGE OF ROADWAY PAVEMENT).
- UNLESS OTHERWISE NOTED, THERE ARE NO NATURAL WATERS OR WATERCOURSES WITHIN 200 FEET OF ANY PROPOSED OWTS.
- UNLESS OTHERWISE NOTED, NO PROPOSED OWTS IS WITHIN 100 FEET OF AN EXISTING OR PROPOSED PRIVATE WELL.
- UNLESS OTHERWISE NOTED, THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF A PROPOSED OWTS.
- PROPOSED ELECTRIC, TELEPHONE & CABLE UTILITY SERVICES SHALL BE INSTALLED OVERHEAD ON UTILITY POLES.

**WAIVERS:**

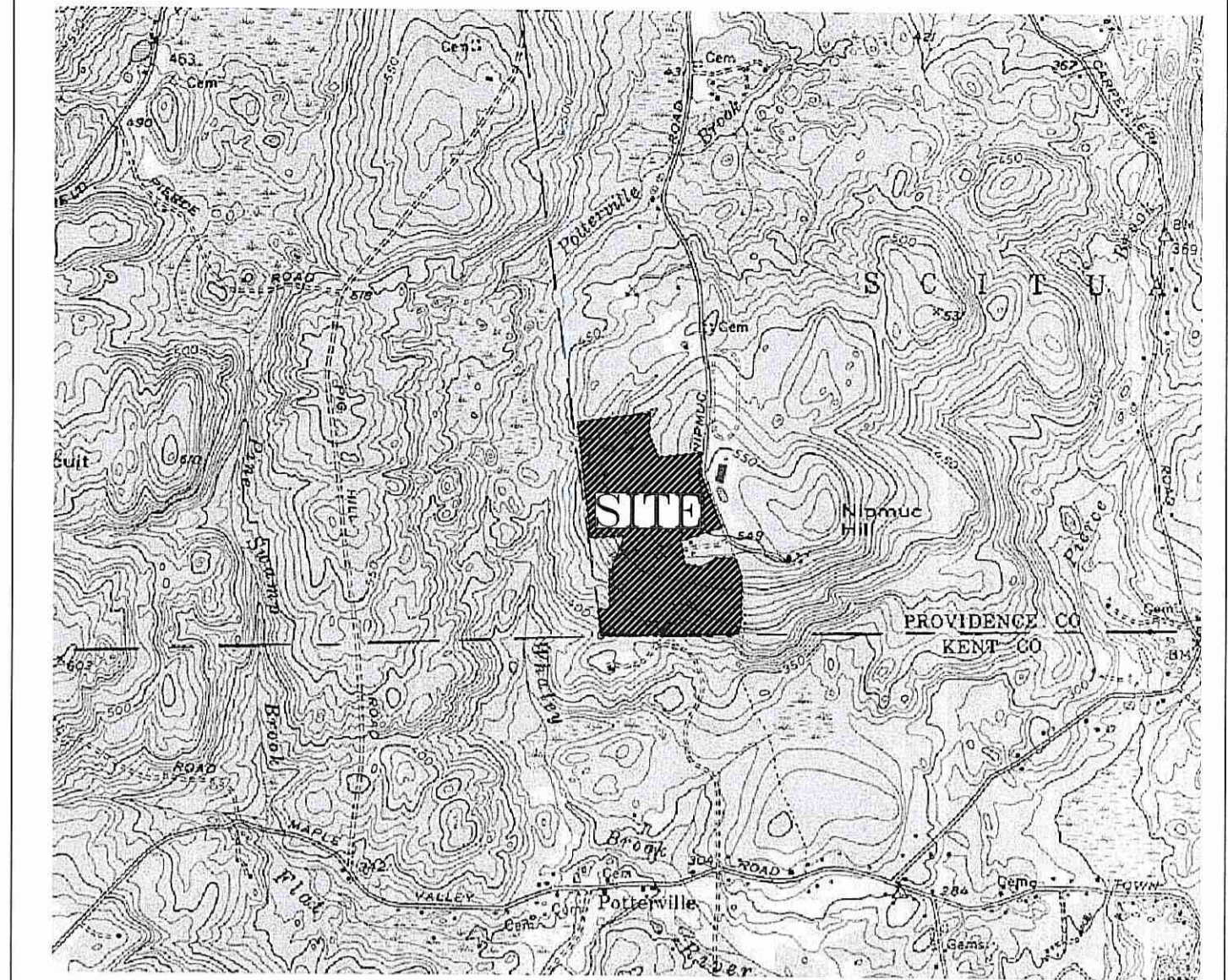
WAIVERS APPROVED UNDER MASTER PLAN APPROVAL ON JANUARY 15, 2013 FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55. SPECIFICATIONS OF CONDITIONS, DESIGN, LAYOUT AND CONSTRUCTION.  
 PARAGRAPH (22.) LOT DESIGN STANDARDS

b. TO ALLOW LOTS THAT FRONT ON OR PORTIONS OF A CUL-DE-SAC/DEAD-END/TURN-AROUND AND NOT HAVE SIDE LOT LINES RADIAL TO OR CENTERED ON THE CUL-DE-SAC/DEAD-END/TURNAROUND.

c. TO ALLOW LOTS TO HAVE SIDE LINES THAT ARE LESS THAN 100 FEET APART AT ANY GIVEN POINT THROUGHOUT THE LOT.

d. TO ALLOW LOTS TO HAVE INTERIOR ANGLES EXCEEDING 245 DEGREES.

REQUEST OF WAIVERS TO BE APPROVED FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55  
 APPENDIX B. CONSTRUCTION OF IMPROVEMENTS  
 1. STREETS (b) 26' WIDE PAVEMENT & CAPE COD BERM (22' WIDE, 4' SOFT SHOULDERS, NO BERM)  
 2. DRAINAGE (e) DRAIN LINE MINIMUM 3' DEPTH (DRIVEWAY CULVERTS)



LOCUS MAP  
 SCALE: 1"=2000'

**LIST OF DRAWINGS**

- TITLE SHEET
- EXISTING CONDITIONS PLAN
- SPECIAL REGULATIONS LAYOUT INDEX
- SPECIAL REGULATIONS LAYOUT 40 SCALE PLAN SHEET 1
- SPECIAL REGULATIONS LAYOUT 40 SCALE PLAN SHEET 2
- SPECIAL REGULATIONS LAYOUT 40 SCALE PLAN SHEET 3
- SPECIAL REGULATIONS LAYOUT 40 SCALE PLAN SHEET 4
- SPECIAL REGULATIONS DEVELOPMENT INDEX
- SPECIAL REGULATIONS DEVELOPMENT 40 SCALE PLAN SHEET 1
- SPECIAL REGULATIONS DEVELOPMENT 40 SCALE PLAN SHEET 2
- SPECIAL REGULATIONS DEVELOPMENT 40 SCALE PLAN SHEET 3
- SPECIAL REGULATIONS DEVELOPMENT 40 SCALE PLAN SHEET 4
- SPECIAL REGULATIONS ROADWAY PLAN & PROFILE SHEET 1
- SPECIAL REGULATIONS ROADWAY PLAN & PROFILE SHEET 2
- CONSTRUCTION DETAILS SHEET 1
- CONSTRUCTION DETAILS SHEET 2
- CONSTRUCTION DETAILS SHEET 3
- CONVENTIONAL LAYOUT (FOR REFERENCE USE ONLY)
- PRE-DEVELOPMENT WATERSHED MAP
- POST-DEVELOPMENT WATERSHED MAP KEY PLAN
- POST-DEVELOPMENT WATERSHED MAP LOTS 1 AND 2
- POST-DEVELOPMENT WATERSHED MAP LOTS 3 THROUGH 5
- POST-DEVELOPMENT WATERSHED MAP LOTS 6 THROUGH 9
- POST-DEVELOPMENT WATERSHED MAP LOTS 10 THROUGH 13

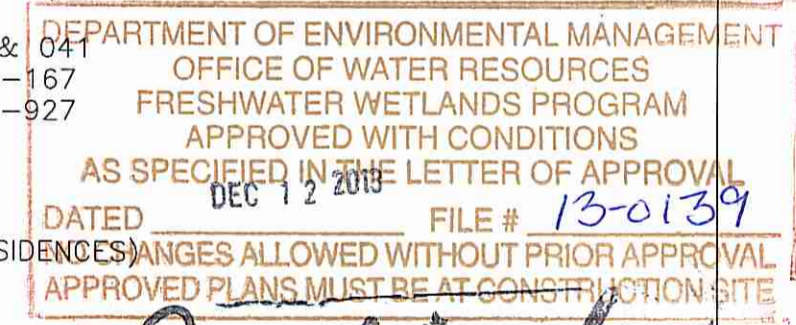
**PROJECT DATA**

**ASSESSORS REFERENCE:**  
 A.P. 50, LOT 2  
 TOTAL AREA 3,750,496 S.F. (86.1 ACRES)

**DEED REFERENCES:** BOOK 409 PAGE 040 & 041  
 BOOK 148 PAGES 157-167  
 BOOK 152 PAGES 925-927

**ZONING REFERENCE:**  
 RR-120 DISTRICT (SINGLE-FAMILY RESIDENTIAL)

MINIMUM LOT AREA : 120,000 S.F.  
 MINIMUM LOT WIDTH\*: 300 FEET  
 MINIMUM YARD SETBACKS : FRONT YARD - 60 FEET  
 SIDE YARD - 35 FEET  
 REAR YARD - 80 FEET



\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

**FLOOD PLAIN NOTE:**

THIS PROPERTY FALLS WITHIN A ZONE X, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON "FLOOD INSURANCE RATE MAP (FIRM), PROVIDENCE COUNTY, RHODE ISLAND PANEL 385 OF 451 MAP NUMBER 44007C0385G, EFFECTIVE DATE MARCH 2, 2009".

**PLAN REFERENCES:**

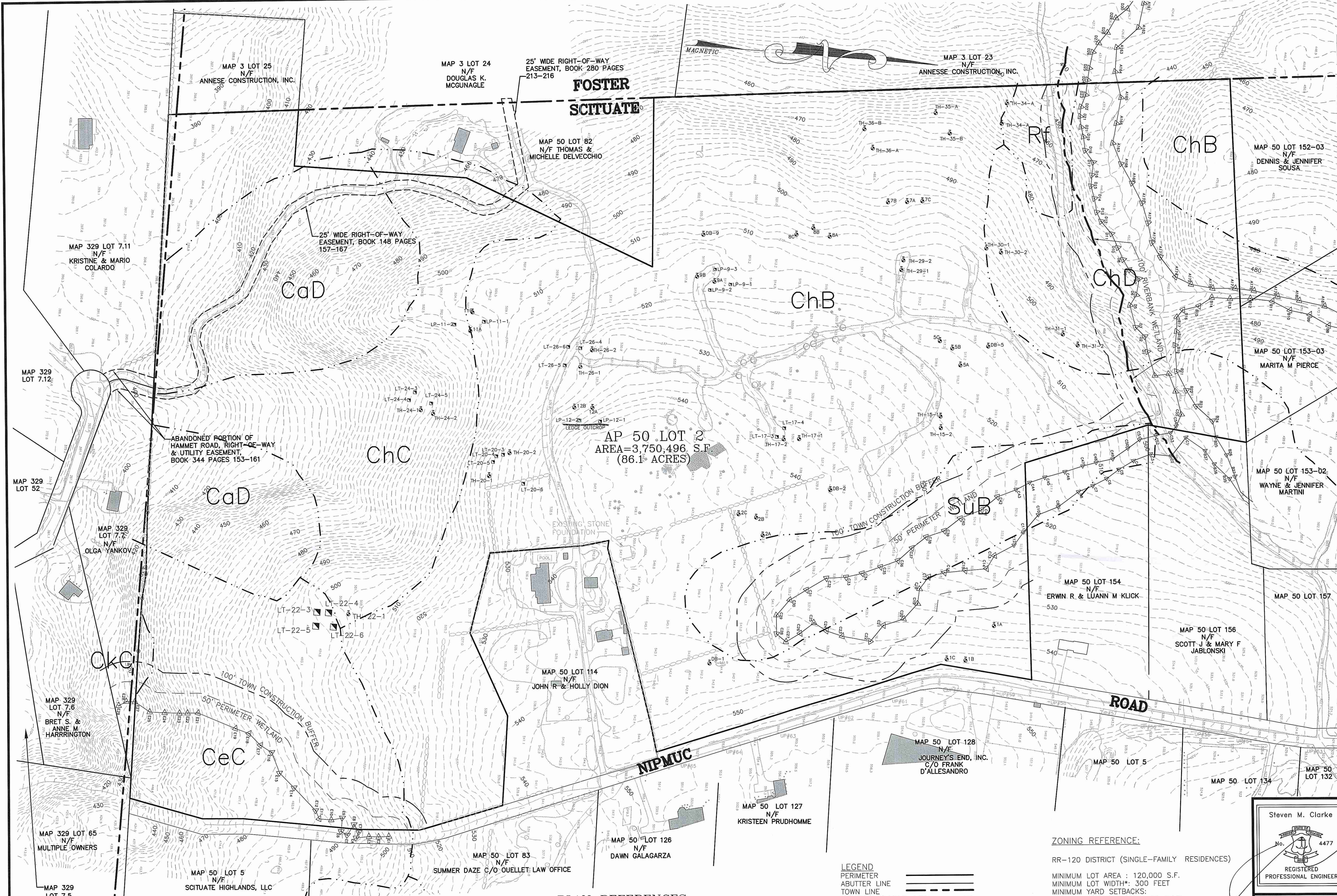
- PLAN ENTITLED "MODIFICATION TO FINAL PLAN FOR NIPMUC II SUBDIVISION AP 50, LOT 154 SUBDIVISION LOTS 3A, 3B AND 3C IN SCITUATE, RHODE ISLAND, LAYOUT PLAN" DATED 10/20/04, REVISED 6/30/05 PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.
- PLAN ENTITLED "FINAL PLAN SUBMISSION FOR RESIDENTIAL COMPOUND-1 KATIE COURT AP 50 LOT 152 RESIDENTIAL COMPOUND-2 JEAN DRIVE AP 50 LOT 153 IN SCITUATE, RHODE ISLAND" DATED 08/29/04, REVISED 11/8/04, PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.
- PLAN ENTITLED "MINOR SUBDIVISION FINAL PLAN NIPMUC ROAD SUBDIVISION AP 50 LOT 1 & 2 IN SCITUATE, RHODE ISLAND, PLAT FINAL SUBDIVISION LOT 1, 2, 3 & 4 DATED 5/12/04, BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.

**REVISIONS**

No.	DATE	DRWN	CHKD

PROJECT NO. 02133.01

P:\02000\02133.01\Drawings\Current\_Drawings\02133.01\_NIPMUC\_MFL\A50S\_REV\_10-29-13.dwg



**SOIL EVALUATION TEST RESULTS**

SUBMISSION LOT NO.	TEST HOLE NO.	DATE EXCAVATED	TOTAL DEPTH	APPROVED WATER TABLE	APPROVED LEDGE DEPTH
LOT 1	1B	4/24/13	10'-0"	26"	N/A
	1C	4/24/13	10'-0"	32"	N/A
LOT 2	2B	4/24/13	10'-0"	21"	N/A
	2C	4/24/13	10'-0"	25"	N/A
LOT 3	17-1	1/22/03	70"	18"	70"
	17-2	1/22/03	76"	22"	76"
	LP-17-3	1/22/03	60"	N/A	60"
	LP-17-4	1/22/03	62"	N/A	62"
LOT 4	15-1	1/22/03	120"	22"	N/A
	15-2	1/22/03	120"	20"	N/A
LOT 5	5B	4/24/13	10'-0"	24"	N/A
	5C	4/24/13	10'-0"	18"	N/A
LOT 6	29-1	1/22/03	120"	18"	N/A
	29-2	1/22/03	120"	18"	N/A
LOT 7	7A	4/22/13	10'-0"	28"	N/A
	7C	4/22/13	102"	28"	102"
LOT 8	8B	4/22/13	96"	26"	96"
	8C	4/22/13	108"	24"	108"
LOT 9	9A	4/22/13	90"	24"	90"
	9B	4/22/13	96"	22"	96"
	LP-9-1	4/22/13	60"	N/A	60"
LOT 10	26-1	1/23/03	64"	40"	64"
	26-2	1/23/03	55"	30"	55"
LOT 11	LP-26-4	1/23/03	63"	N/A	63"
	LP-26-5	1/23/03	87"	N/A	87"
	LP-26-6	1/23/03	53"	N/A	53"
	11A	4/23/13	84"	36"	84"
	11B	4/23/13	66"	36"	66"
LOT 12	LP-11-1	4/23/13	60"	N/A	60"
	LP-11-2	4/23/13	54"	N/A	54"
	12A	4/23/13	90"	36"	90"
LOT 13	12B	4/23/13	96"	36"	96"
	LP-12-1	4/23/13	48"-11"	N/A	48"-11"
LOT 13	LP-12-2	4/23/13	48"	N/A	48"
	20-1	1/27/03	108"	36"	108"
	20-2	1/27/03	48"	36"	48"
	20-3	1/27/03	80"	N/A	80"
LOT 13	LP-20-1	1/27/03	80"	N/A	80"
	LP-20-2	1/27/03	66"	N/A	66"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 DIVISION OF WETLANDS RESOURCES  
 FRESHWATER WETLANDS PERMITS  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED DEC 12 2013 FILE # 13-0139  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION

Charles A. Herbert  
 GRAPHIC SCALE

120 0 60 120 240 480  
 ( IN FEET )  
 1 inch = 120 ft.

OWNER/APPLICANT:  
 ANNESE CONSTRUCTION, INC.  
 175 HINES FARM ROAD  
 CRANSTON, RHODE ISLAND 02921  
 PHONE: (401)-946-4200

**FLOOD PLAIN NOTES:**  
 THIS PROPERTY FALLS WITHIN A ZONE X, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON "FLOOD INSURANCE RATE MAP (FIRM), PROVIDENCE COUNTY, RHODE ISLAND PANEL 385 OF 451 MAP NUMBER 4400700385G, EFFECTIVE DATE MARCH 2, 2009".  
 IT IS RECOGNIZED BY THE LATEST RIDEM FW REGULATION THAT ALL STREAMS/INTERMITTENT STREAMS HAVE 100-YEAR FLOODPLAIN LINE AND ELEVATIONS ASSOCIATED WITH THEM.  
 IT WAS DETERMINED THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS ARE ABOVE THE LOCAL 100-YEAR FLOODPLAIN LINE AND ELEVATION FOR ALL STREAMS/INTERMITTENT STREAMS WHERE THE 100-YEAR FLOODPLAIN HAS BEEN COMPUTED AND SHOWN, OR HAS NOT BEEN PROVIDED, AND THAT IMPROVEMENTS WILL NOT ADVERSELY IMPACT THESE AREAS.

**GENERAL NOTES:**  
 1. SOIL EVALUATIONS PERFORMED BY ECOTONES, INC. (KEVIN FETZER, D-4029) & THOMAS J. PRINCIPE, III D4075 (SEE INDIVIDUAL LOGS FOR DETAILS).  
 2. WETLANDS FLAGGED BY ECOTONES, INC., JULY 7, 2003.  
 3. WETLAND EDGE VERIFIED BY RIDEM FRESHWATER WETLANDS DEPARTMENT ON NOVEMBER 19, 2003, APPLICATION NO. 03-0464.

**PLAN REFERENCES:**  
 1. PLAN ENTITLED "MODIFICATION TO FINAL PLAN FOR NIPMUC II SUBDIVISION AP 50, LOT 154 SUBDIVISION LOTS 3A, 3B AND 3C IN SCITUATE, RHODE ISLAND, LAYOUT PLAN" DATED 10/20/04, REVISED 6/30/05 PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.  
 2. PLAN ENTITLED "FINAL PLAN SUBMISSION FOR RESIDENTIAL COMPOUND-1 KATIE COURT AP 50 LOT 152 RESIDENTIAL COMPOUND-2 JEAN DRIVE AP 50 LOT 153 IN SCITUATE, RHODE ISLAND" DATED 08/29/04, REVISED 11/8/04, PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.  
 3. PLAN ENTITLED "MINOR SUBDIVISION FINAL PLAN NIPMUC ROAD SUBDIVISION AP 50 LOT 1 & 2 IN SCITUATE, RHODE ISLAND, PLAT PLAN SUBDIVISION LOT 1, 2, 3 & 4 DATED 5/12/04, BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.

**LEGEND**  
 PERIMETER  
 ABUTTER LINE  
 TOWN LINE  
 EXISTING CONTOUR LINE  
 EXISTING SPOT GRADE  
 EXISTING BUILDING  
 EXISTING TREE LINE  
 EXISTING TREE  
 EXISTING STONE PILE  
 EXISTING STONEMASS  
 EXISTING FENCE LINE  
 EXISTING UTILITY POLE  
 TEST HOLE  
 LEDGE TEST  
 WETLAND EDGE  
 50' PERIMETER WETLAND  
 75' TOWN NO-BUILD  
 100' CONSTRUCTION BUFFER  
 SOIL TYPE BOUNDARY & DESIGNATION

**ZONING REFERENCE:**  
 RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)  
 MINIMUM LOT AREA : 120,000 S.F.  
 MINIMUM LOT WIDTH: 300 FEET  
 MINIMUM YARD SETBACKS:  
 FRONT YARD - 50 FEET  
 SIDE YARD - 35 FEET  
 REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

**ASSESSORS REFERENCE:**  
 A.P. 50, LOT 2  
 TOTAL AREA 3,750,496 S.F. (86.1 ACRES)  
 DEED REFERENCES: BOOK 409 PAGE 040 & 041  
 BOOK 148 PAGES 157-167  
 BOOK 152 PAGES 925-927

Steven M. Clarke  
 No. 4477  
 REGISTERED PROFESSIONAL ENGINEER

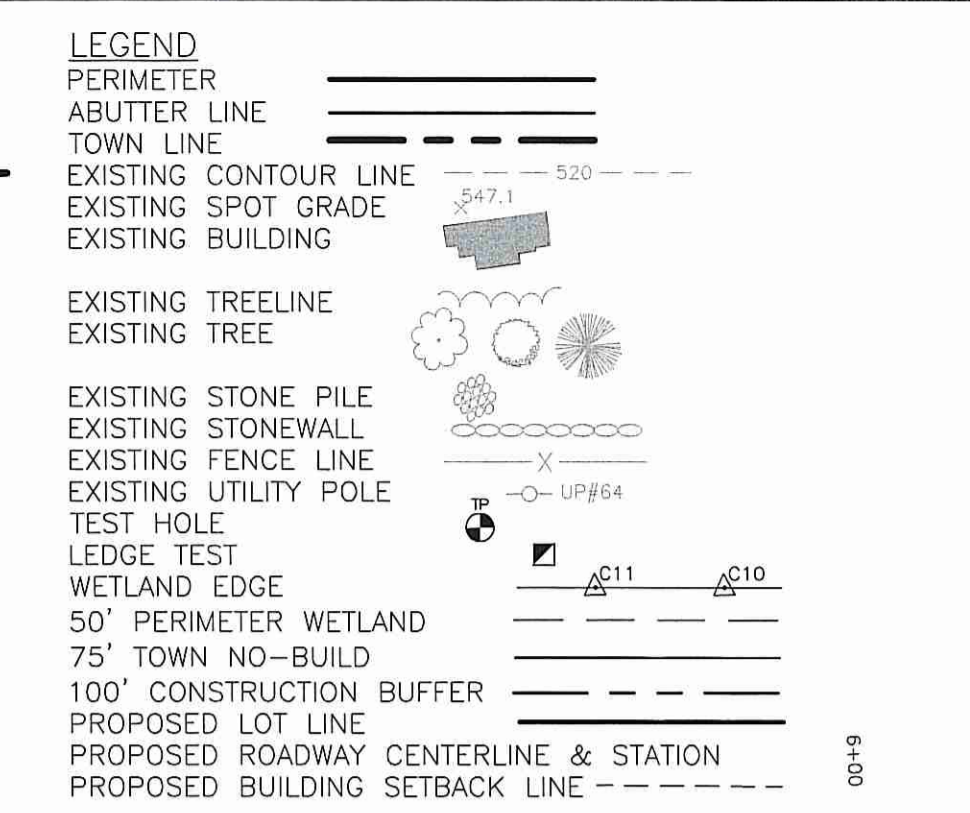
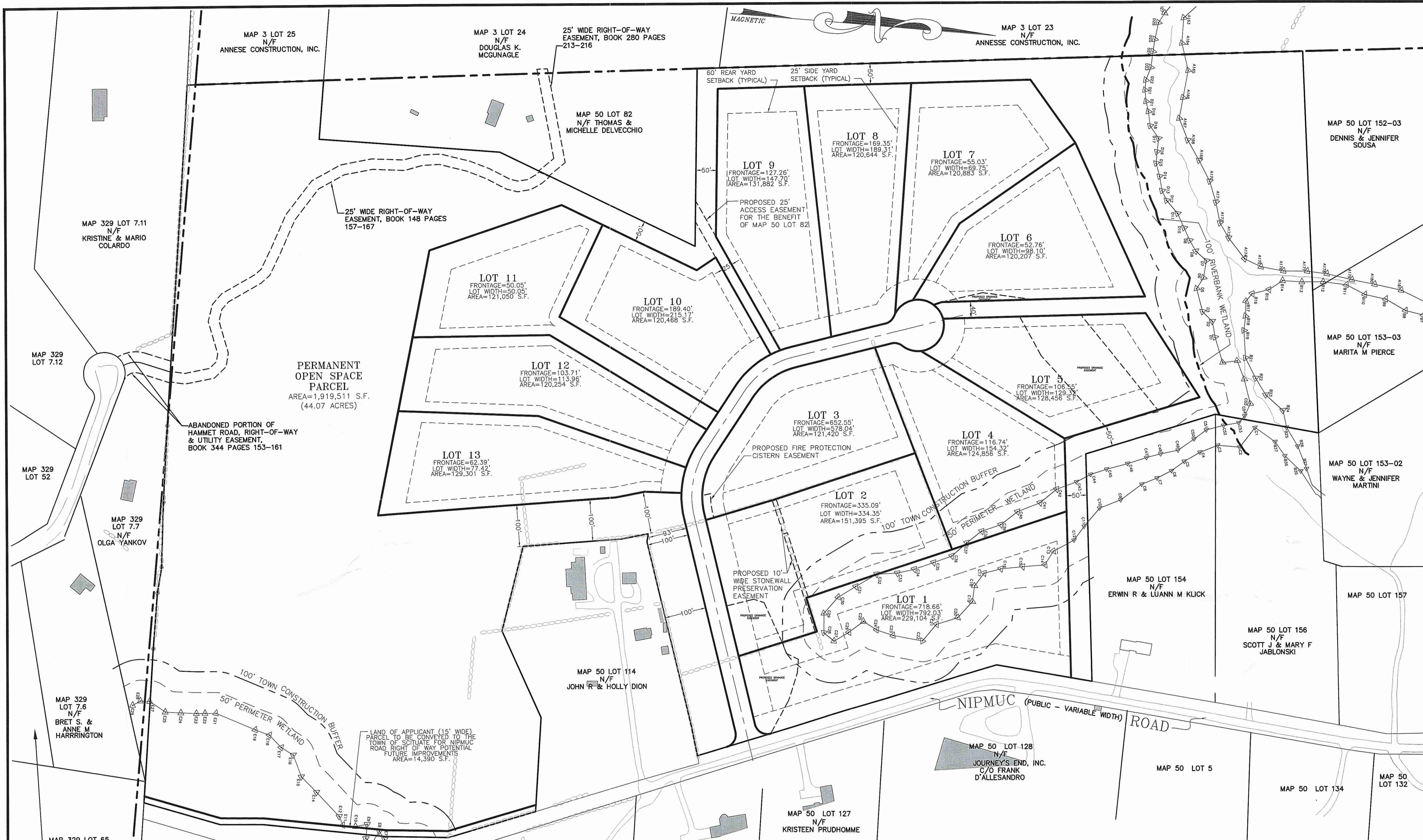
**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
 400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908  
 401-273-6600

**REVISIONS**

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

**MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION**  
 for  
 "NIPMUC II"  
 A.P. 50, LOT 2  
 in  
 SCITUATE, RHODE ISLAND  
 EXISTING CONDITIONS PLAN

SCALE: 1"=120' SHEET NO: 2 OF 17  
 DRAWN BY: JP DESIGN BY: JAR CHECKED BY: JAR  
 DATE: 7/15/13 PROJECT NO.: 02133.01



**SITE DEVELOPMENT NOTES:**

1. THIS PROPERTY FALLS WITHIN THE FLAT RIVER RESERVOIR / PAWTUCKET RIVER SOUTH BRANCH WATERSHED.
2. ALL OWTs ARE SIZED BASED UPON 4-BEDROOM RESIDENTIAL DWELLINGS.
3. ALL LOTS WILL BE SERVICED BY INDIVIDUAL PRIVATE WELLS (50' MIN FROM EDGE OF ROADWAY PAVEMENT).
3. ANY ROOF INFILTRATION SYSTEMS PROPOSED FOR EACH DWELLING SHALL BE A MINIMUM DISTANCE OF 25' FROM ALL OWTs COMPONENTS. WHERE THE ROOF INFILTRATION SYSTEMS IS LOCATED DOWNGRADIENT OR SIDE GRADIENT OF THE OWTs THE SEPARATION DISTANCE TO THE LEACHFIELD SHALL BE A MINIMUM OF 50'.
4. UNLESS OTHERWISE NOTED, THERE ARE NO NATURAL WATERS OR WATERCOURSES WITHIN 200 FEET OF ANY PROPOSED OWTs.
5. UNLESS OTHERWISE NOTED, NO PROPOSED OWTs IS WITHIN 100 FEET OF AN EXISTING OR PROPOSED PRIVATE WELL.
6. UNLESS OTHERWISE NOTED, THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF A PROPOSED OWTs.
7. PROPOSED ELECTRIC, TELEPHONE & CABLE UTILITY SERVICES SHALL BE INSTALLED OVERHEAD ON UTILITY POLES.

**WAIVERS:**

WAIVERS APPROVED UNDER MASTER PLAN APPROVAL ON JANUARY 15, 2013 FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55. SPECIFICATIONS OF CONDITIONS, DESIGN, LAYOUT AND CONSTRUCTION. PARAGRAPH (22.) LOT DESIGN STANDARDS

b. TO ALLOW LOTS THAT FRONT ON OR PORTIONS OF A CUL-DE-SAC/DEAD-END/TURN-AROUND AND NOT HAVE SIDE LOT LINES RADIAL TO OR CENTERED ON THE CUL-DE-SAC/DEAD-END/TURNAROUND.

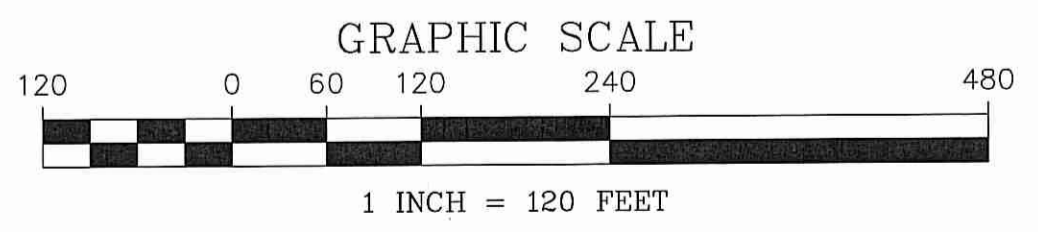
c. TO ALLOW LOTS TO HAVE SIDE LINES THAT ARE LESS THAN 100 FEET APART AT ANY GIVEN POINT THROUGHOUT THE LOT.

d. TO ALLOW LOTS TO HAVE INTERIOR ANGLES EXCEEDING 245 DEGREES.

REQUEST OF WAIVERS TO BE APPROVED FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55

APPENDIX B. CONSTRUCTION OF IMPROVEMENTS

1. STREETS (b) 26' WIDE PAVEMENT & CAPE COD BERM (22' WIDE, 4' SOFT SHOULDERS, NO BERM)
2. DRAINAGE (e) DRAIN LINE MINIMUM 3' DEPTH (DRIVEWAY CULVERTS)



**PLAN REFERENCES:**

1. PLAN ENTITLED "MODIFICATION TO FINAL PLAN FOR NIPMUC II SUBDIVISION AP 50, LOT 154 SUBDIVISION LOTS 3A, 3B AND 3C IN SCITUATE, RHODE ISLAND, LAYOUT PLAN" DATED 10/20/04, REVISED 6/30/05 PREPARED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RI 02908.
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**FLOOD PLAIN NOTE:**

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**PROJECT NOTES:**

1. THIS PROPERTY DOES NOT FALL WITHIN THE SCITUATE RESERVOIR WATERSHED.
2. THIS PROPERTY FALLS WITHIN THE FLAT RIVER RESERVOIR/PAWTUCKET RIVER SOUTH BRANCH WATERSHED.
3. THERE ARE NO RARE SPECIES LOCATED ON THE SUBJECT PROPERTY ACCORDING TO RIDEM.
4. THERE ARE NO CEMETERIES LOCATED WITHIN THE LIMITS OF THE SUBJECT PROPERTY.

**ASSESSORS REFERENCE:**

A.P. 50, LOT 2  
TOTAL AREA 3,750,496 S.F. (86.1 ACRES)

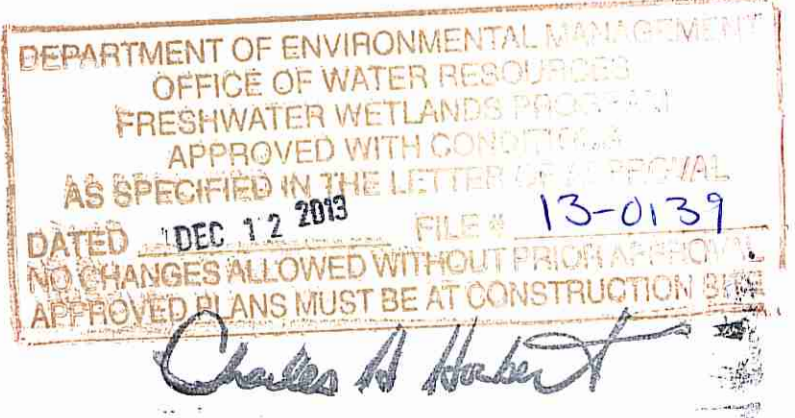
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BOOK 152 PAGES 925-927

**ZONING REFERENCE:**

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SIDE YARD - 35 FEET  
REAR YARD - 60 FEET

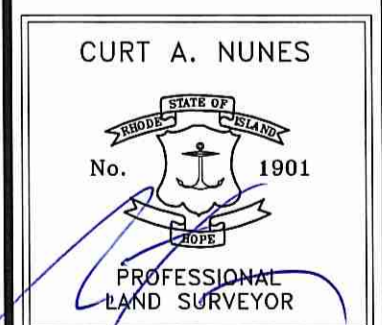
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**COMMONWEALTH LAND SURVEYORS, INC.**

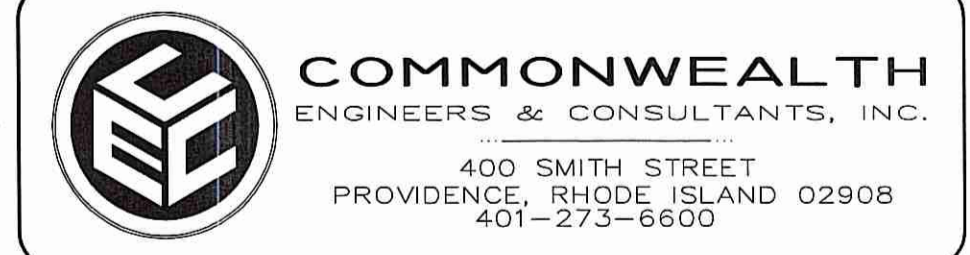
1182 SOUTH MAIN STREET  
ATTLEBORO, MASSACHUSETTS 02703  
(508) 455-2634

C.O.A. # LS-A395



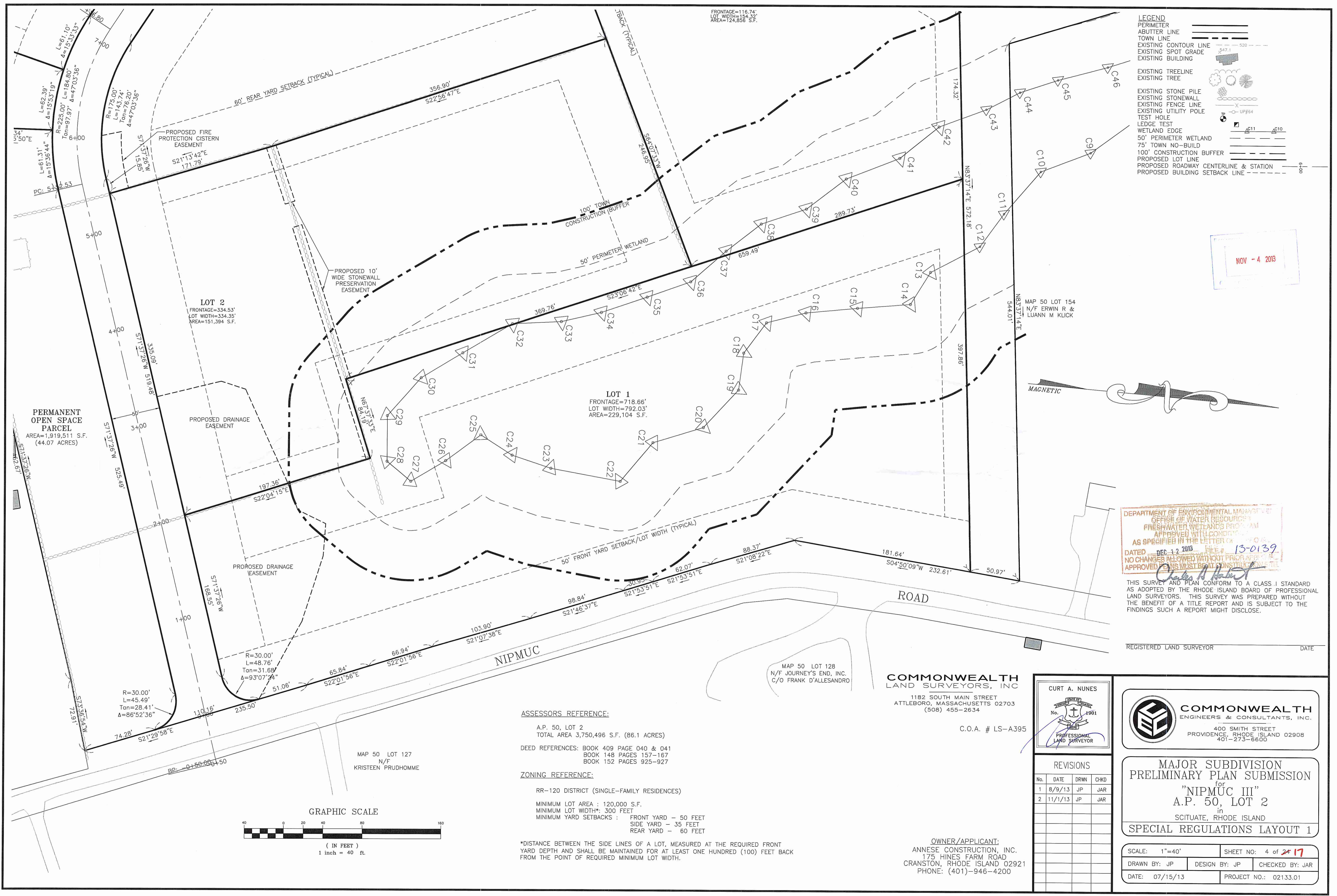
**REVISIONS**

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR



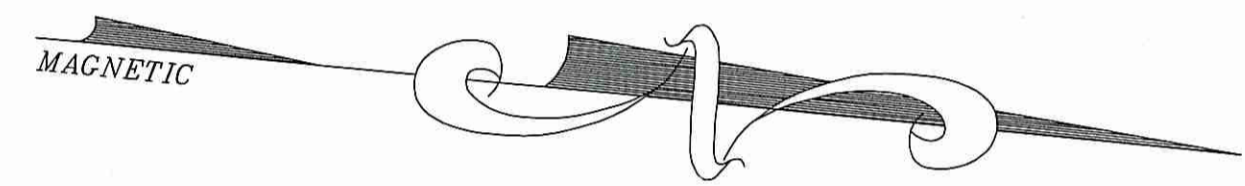
**MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION**  
for  
"NIPMUC III"  
A.P. 50, LOT 2  
in  
SCITUATE, RHODE ISLAND  
**SPECIAL REGULATIONS LAYOUT INDEX**

SCALE: 1"=120'	SHEET NO: 3 of 17
DRAWN BY: JP	DESIGN BY: JP
DATE: 07/15/13	CHECKED BY: JAR
PROJECT NO.: 02133.01	



- LEGEND**
- PERIMETER
  - ABUTTER LINE
  - TOWN LINE
  - EXISTING CONTOUR LINE
  - EXISTING SPOT GRADE
  - EXISTING BUILDING
  - EXISTING TREELINE
  - EXISTING TREE
  - EXISTING STONE PILE
  - EXISTING STONEWALL
  - EXISTING FENCE LINE
  - EXISTING UTILITY POLE
  - TEST HOLE
  - LEDGE TEST
  - WETLAND EDGE
  - 50' PERIMETER WETLAND
  - 75' TOWN NO-BUILD
  - 100' CONSTRUCTION BUFFER
  - PROPOSED LOT LINE
  - PROPOSED ROADWAY CENTERLINE & STATION
  - PROPOSED BUILDING SETBACK LINE

NOV - 4 2013

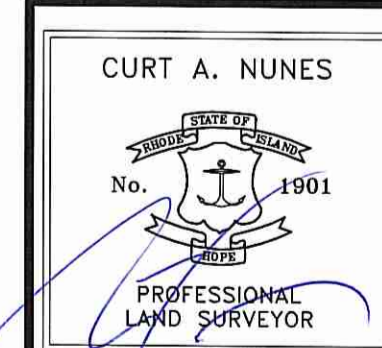


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF  
 DATED DEC 12 2013 FILE # 13-0139  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BEAT CONSTRUCTION PERMITS

THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE.

REGISTERED LAND SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_

**COMMONWEALTH LAND SURVEYORS, INC.**  
 1182 SOUTH MAIN STREET  
 ATTLEBORO, MASSACHUSETTS 02703  
 (508) 455-2634



REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
 400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908  
 401-273-6600

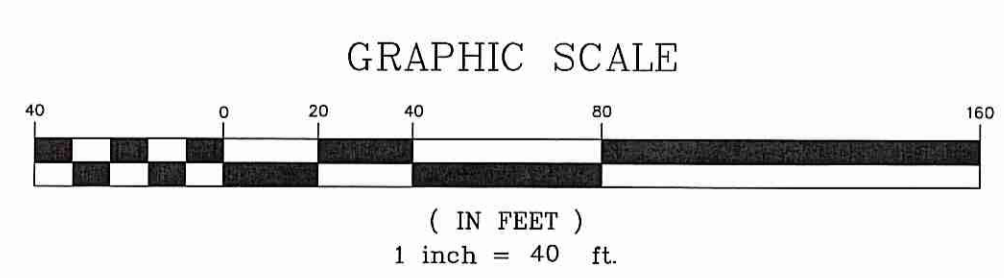
**MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION**  
 for  
**"NIPMUC III"**  
 A.P. 50, LOT 2  
 in  
 SCITUATE, RHODE ISLAND  
**SPECIAL REGULATIONS LAYOUT 1**

SCALE: 1"=40'  
 SHEET NO: 4 of 21  
 DRAWN BY: JP DESIGN BY: JP CHECKED BY: JAR  
 DATE: 07/15/13 PROJECT NO.: 02133.01

**ASSESSORS REFERENCE:**  
 A.P. 50, LOT 2  
 TOTAL AREA 3,750,496 S.F. (86.1 ACRES)  
**DEED REFERENCES:** BOOK 409 PAGE 040 & 041  
 BOOK 148 PAGES 157-167  
 BOOK 152 PAGES 925-927

**ZONING REFERENCE:**  
 RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)  
 MINIMUM LOT AREA : 120,000 S.F.  
 MINIMUM LOT WIDTH\*: 300 FEET  
 MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
 SIDE YARD - 35 FEET  
 REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.



MAP 50 LOT 127  
 N/F KRISTEN PRUDHOMME

MAP 50 LOT 128  
 N/F JOURNEY'S END, INC.  
 C/O FRANK D'ALLESANDRO

C.O.A. # LS-A395

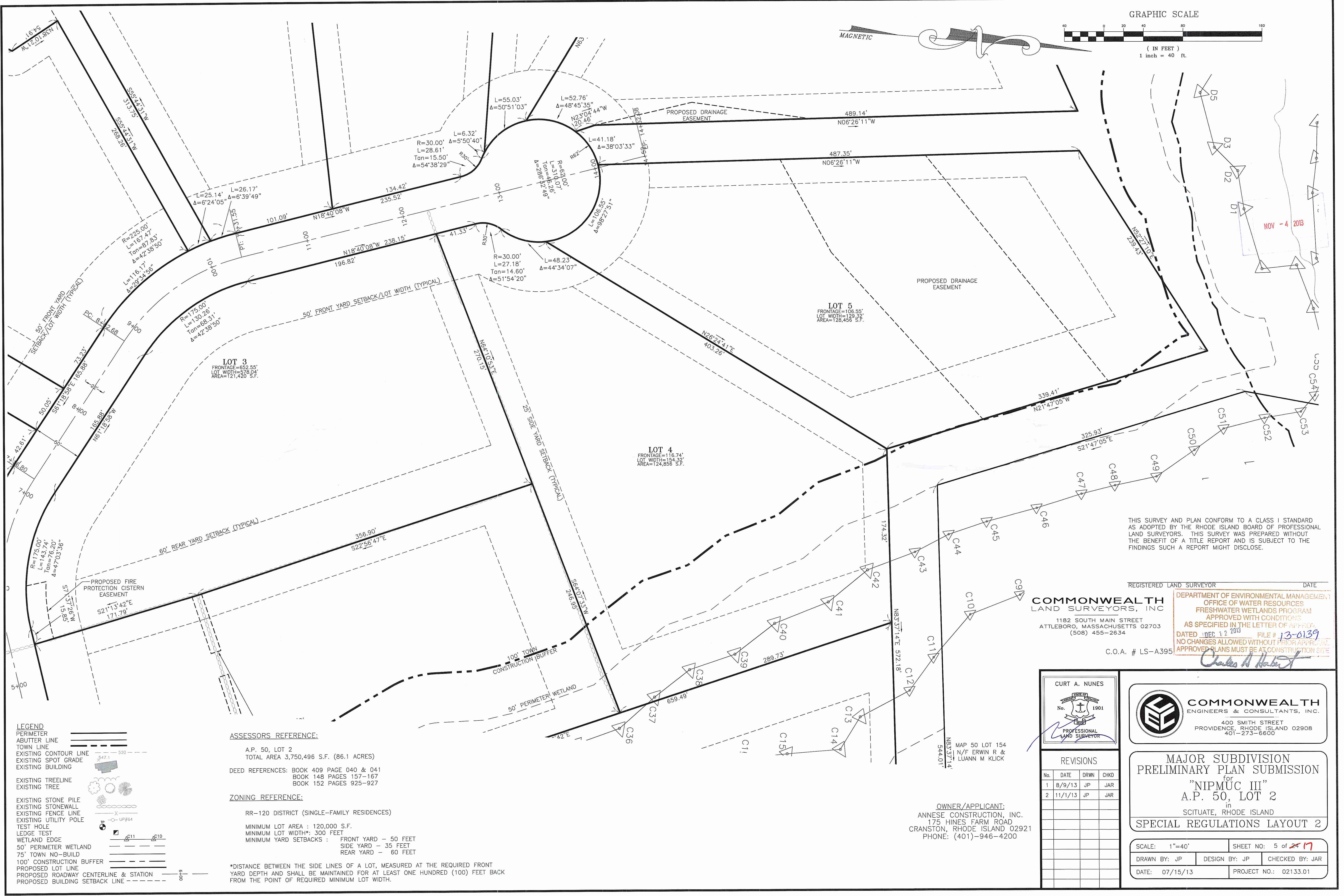
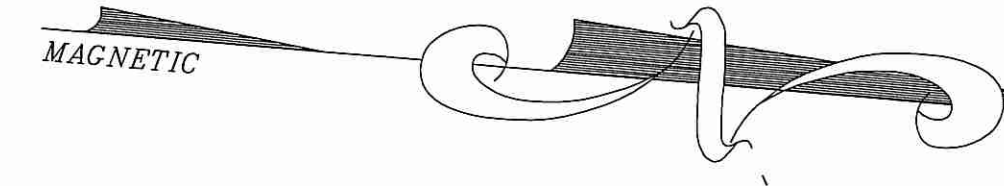
**OWNER/APPLICANT:**  
 ANNESE CONSTRUCTION, INC.  
 175 HINES FARM ROAD  
 CRANSTON, RHODE ISLAND 02921  
 PHONE: (401)-946-4200

P:\020000\02133.01 Elizabeth Corr E:\0133-01 NIPMUC Wetlands\02133.01 NIPMUC Wetlands REV 10-25-13.dwg

GRAPHIC SCALE



( IN FEET )  
1 inch = 40 ft.



THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE.

REGISTERED LAND SURVEYOR DATE

**COMMONWEALTH**  
LAND SURVEYORS, INC.

1182 SOUTH MAIN STREET  
ATTLEBORO, MASSACHUSETTS 02703  
(508) 455-2634

C.O.A. # LS-A395

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED DEC 12 2013 FILE # 13-0139  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Nunes*

**LEGEND**

PERIMETER	---
ABUTTER LINE	---
TOWN LINE	---
EXISTING CONTOUR LINE	---
EXISTING SPOT GRADE	---
EXISTING BUILDING	---
EXISTING TREELINE	---
EXISTING TREE	---
EXISTING STONE PILE	---
EXISTING STONEWALL	---
EXISTING FENCE LINE	---
EXISTING UTILITY POLE	---
TEST HOLE	---
LEDGE TEST	---
WETLAND EDGE	---
50' PERIMETER WETLAND	---
75' TOWN NO-BUILD	---
100' CONSTRUCTION BUFFER	---
PROPOSED LOT LINE	---
PROPOSED ROADWAY CENTERLINE & STATION	---
PROPOSED BUILDING SETBACK LINE	---

**ASSESSORS REFERENCE:**

A.P. 50, LOT 2  
TOTAL AREA 3,750,496 S.F. (86.1 ACRES)

DEED REFERENCES: BOOK 409 PAGE 040 & 041  
BOOK 148 PAGES 157-167  
BOOK 152 PAGES 925-927

**ZONING REFERENCE:**

RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)  
MINIMUM LOT AREA : 120,000 S.F.  
MINIMUM LOT WIDTH\*: 300 FEET  
MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
SIDE YARD - 35 FEET  
REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

**OWNER/APPLICANT:**  
ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200

CURT A. NUNES  
No. 1901  
PROFESSIONAL LAND SURVEYOR

**COMMONWEALTH**  
ENGINEERS & CONSULTANTS, INC.  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908  
401-273-6600

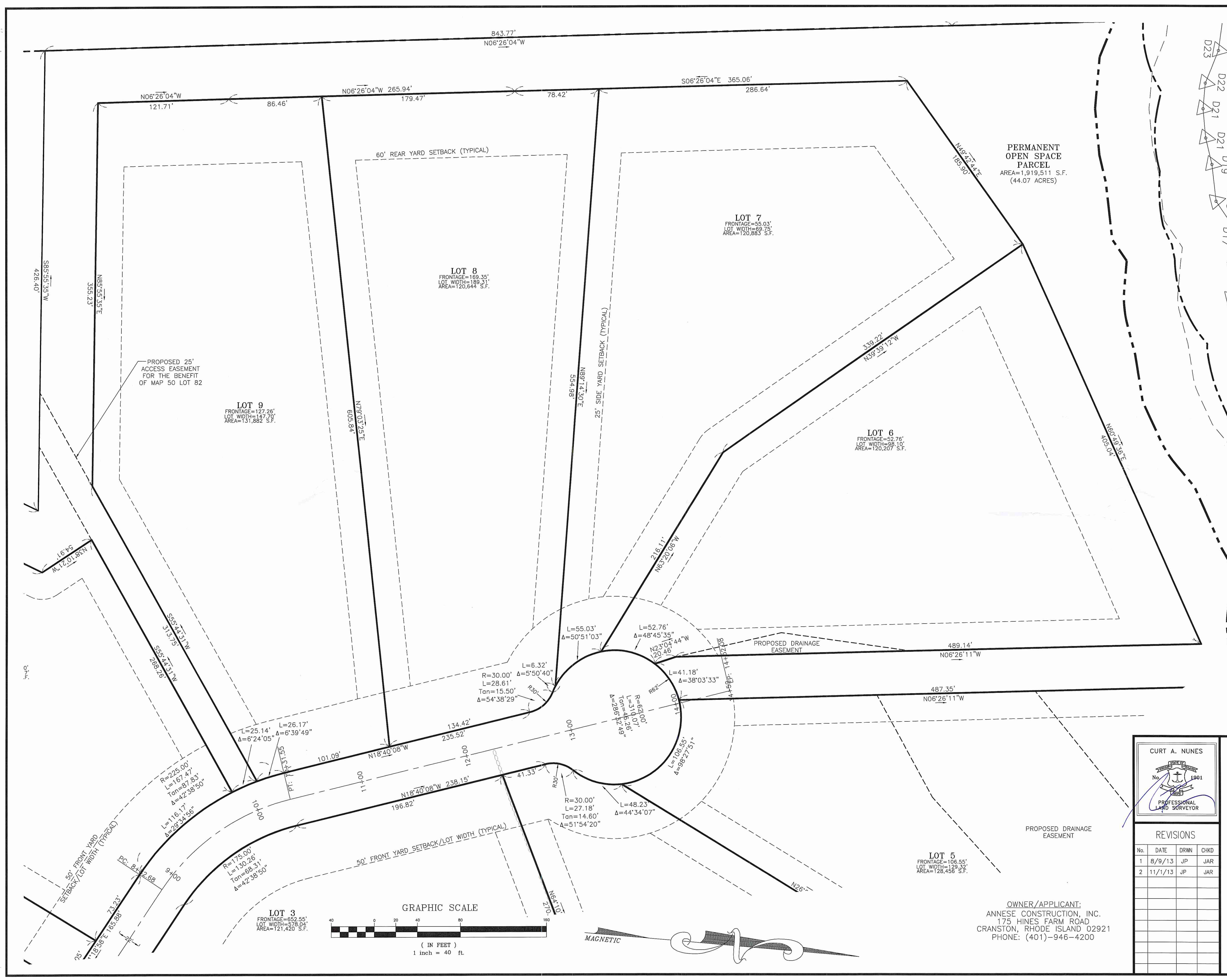
**REVISIONS**

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

**MAJOR SUBDIVISION  
PRELIMINARY PLAN SUBMISSION**  
for  
"NIPMUC III"  
A.P. 50, LOT 2  
in  
SCITUATE, RHODE ISLAND  
**SPECIAL REGULATIONS LAYOUT 2**

SCALE: 1"=40'	SHEET NO: 5 of 17	
DRAWN BY: JP	DESIGN BY: JP	CHECKED BY: JAR
DATE: 07/15/13	PROJECT NO.: 02133.01	

P:\02133\02133.DWG Elizabeth Corr Estima\Site\Drawings\02133.01 NIPMUC Wetland Rev 10-20-13.dwg



**LEGEND**

- PERIMETER
- ABUTTER LINE
- TOWN LINE
- EXISTING CONTOUR LINE
- EXISTING SPOT GRADE
- EXISTING BUILDING
- EXISTING TREELINE
- EXISTING TREE
- EXISTING STONE PILE
- EXISTING STONEWALL
- EXISTING FENCE LINE
- EXISTING UTILITY POLE
- TEST HOLE
- LEDGE TEST
- WETLAND EDGE
- 50' PERIMETER WETLAND
- 75' TOWN NO-BUILD
- 100' CONSTRUCTION BUFFER
- PROPOSED LOT LINE
- PROPOSED ROADWAY CENTERLINE & STATION
- PROPOSED BUILDING SETBACK LINE

**ASSESSORS REFERENCE:**

A.P. 50, LOT 2  
TOTAL AREA 3,750,496 S.F. (86.1 ACRES)

**DEED REFERENCES:** BOOK 409 PAGE 040 & 041  
BOOK 148 PAGES 157-167  
BOOK 152 PAGES 925-927

**ZONING REFERENCE:**

RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)

MINIMUM LOT AREA : 120,000 S.F.  
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MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
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REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

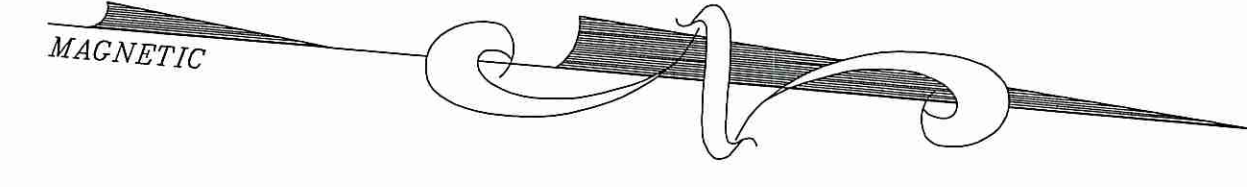
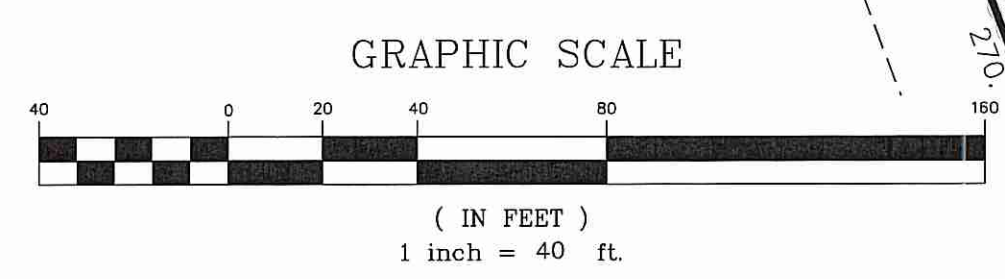
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED 10/15/13 FILE # 13-0139  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Nunes*

**COMMONWEALTH LAND SURVEYORS, INC.**  
1182 SOUTH MAIN STREET  
ATTLEBORO, MASSACHUSETTS 02703  
(508) 455-2634  
C.O.A. # LS-A395

THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE.

REGISTERED LAND SURVEYOR \_\_\_\_\_ DATE \_\_\_\_\_



**OWNER/APPLICANT:**  
ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200

CURT A. NUNES  
No. 1901  
PROFESSIONAL LAND SURVEYOR

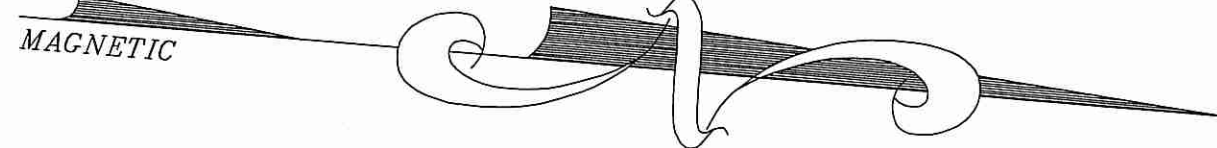
**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908  
401-273-6600

**REVISIONS**

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

**MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION**  
for  
"NIPMUC III"  
A.P. 50, LOT 2  
in  
SCITUATE, RHODE ISLAND  
**SPECIAL REGULATIONS LAYOUT 3**

SCALE: 1"=40'	SHEET NO: 6 of 17	
DRAWN BY: JP	DESIGN BY: JP	CHECKED BY: JAR
DATE: 07/15/13	PROJECT NO.: 02133.01	



PERMANENT  
OPEN SPACE  
PARCEL  
AREA=1,919,511 S.F.  
(44.07 ACRES)

LOT 9  
FRONTAGE=127.26'  
LOT WIDTH=147.70'  
AREA=131,882 S.F.

LOT 11  
FRONTAGE=50.05'  
LOT WIDTH=50.05'  
AREA=121,050 S.F.

LOT 10  
FRONTAGE=189.40'  
LOT WIDTH=81.51'  
AREA=120,468 S.F.

LOT 12  
FRONTAGE=103.71'  
LOT WIDTH=113.98'  
AREA=120,254 S.F.

LOT 13  
FRONTAGE=62.38'  
LOT WIDTH=77.42'  
AREA=129,301 S.F.

- LEGEND**
- PERIMETER
  - ABUTTER LINE
  - TOWN LINE
  - EXISTING CONTOUR LINE
  - EXISTING SPOT GRADE
  - EXISTING BUILDING
  - EXISTING TREELINE
  - EXISTING TREE
  - EXISTING STONE PILE
  - EXISTING STONEMASS
  - EXISTING FENCE LINE
  - EXISTING UTILITY POLE
  - TEST HOLE
  - EDGE TEST
  - WETLAND EDGE
  - 50' PERIMETER WETLAND
  - 75' TOWN NO-BUILD
  - 100' CONSTRUCTION BUFFER
  - PROPOSED LOT LINE
  - PROPOSED ROADWAY CENTERLINE & STATION
  - PROPOSED BUILDING SETBACK LINE

**ASSESSORS REFERENCE:**

A.P. 50, LOT 2  
TOTAL AREA 3,750,496 S.F. (86.1 ACRES) 2013

**DEED REFERENCES:** BOOK 409 PAGE 040 & 041  
BOOK 148 PAGES 157-157  
BOOK 152 PAGES 925-927

**ZONING REFERENCE:**

RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)

MINIMUM LOT AREA : 120,000 S.F.  
MINIMUM LOT WIDTH\* : 300 FEET  
MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
SIDE YARD - 35 FEET  
REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED DEC 12 2013 FILE # 13-0139  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Nunes*

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REGISTERED LAND SURVEYOR DATE

**COMMONWEALTH  
LAND SURVEYORS, INC.**

1182 SOUTH MAIN STREET  
ATTLEBORO, MASSACHUSETTS 02703  
(508) 455-2634

C.O.A. # LS-A395

**OWNER/APPLICANT:**  
ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200

CURT A. NUNES  
No. 1901  
PROFESSIONAL  
LAND SURVEYOR

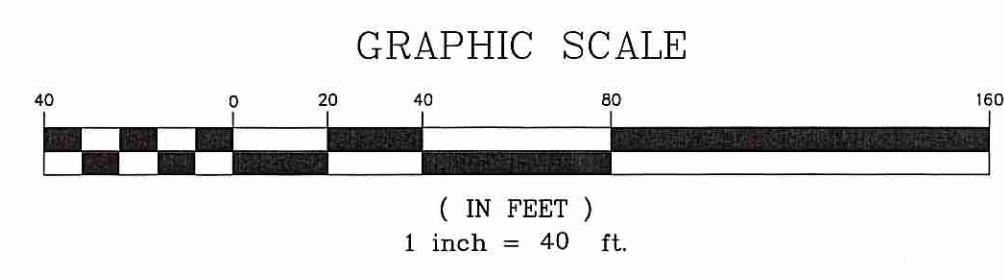
**COMMONWEALTH**  
ENGINEERS & CONSULTANTS, INC.  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908  
401-273-6600

**REVISIONS**

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

MAJOR SUBDIVISION  
PRELIMINARY PLAN SUBMISSION  
for  
"NIPMUC III"  
A.P. 50, LOT 2  
in  
SCITUATE, RHODE ISLAND  
SPECIAL REGULATIONS LAYOUT 4

SCALE: 1"=40'	SHEET NO: 7 of 17	
DRAWN BY: JP	DESIGN BY: JP	CHECKED BY: JAR
DATE: 07/15/13	PROJECT NO.: 02133.01	



P:\02000\02133.00\Eloneth\Corr Estora\Site Drawings\Current Drawings\02133.01 NIPMUC Wetlands Rev 10-22-13.dwg





OWTS DESIGN DATA TABLE

LOT #	DESIGN SOIL CAT.	DESIGN LOADING RATE (G/SF/DAY)	SYSTEM TYPE	LEACHFIELD DESIGN PT. ELEV.*	ESHWT ELEV.	MIN. BOTTOM SYSTEM ELEV.**	MIN. INVERT/10' PERIMETER ELEV.	MIN. FIELD FINISH GRADE	MAX. FIELD FINISH GRADE
3	6	2.30	BSF	536.7'	535.2'	538.2'	536.2'	536.95'	538.45'
4	6	2.30	BSF	527.0'	525.33'	528.33'	526.33'	527.08'	528.58'
5	6	2.30	BSF	517.9'	515.9'	518.9'	516.9'	519.15'	517.65'

\* @ HIGH SIDE OF PROPOSED LEACH FIELD.  
 \*\*TOP OF SAND/BOTTOM OF PEASTONE FOR BSF.  
 - MIN. ELVEN SIZING: 115 GPD/BDR X 4 BDR = 460 GPD / .61 GPD/SF = 754.1 SF MIN. / 28 SF/UNIT = 26.90 UNITS,  
 28 UNITS PROPOSED (45' X 19' FOOTPRINT) = 784 SF  
 - MIN. BSF SIZING: 115 GPD/BDR X 4 BDR = 460 GPD / 2.3 GPD/SF = 230 SF MIN.  
 USE 23' X 10' = 230 SF

SOIL EVALUATION TEST RESULTS

SUBDIVISION LOT NO.	TEST HOLE NO.	DATE EXCAVATED	TOTAL DEPTH	APPROVED WATER TABLE	APPROVED LEDGE DEPTH
LOT 3	17-1	1/22/03	70"	18"	70"
	17-2	1/22/03	76"	22"	76"
	LP-17-3	1/22/03	60"	N/A	60"
	LP-17-4	1/22/03	62"	N/A	62"
LOT 4	15-1	1/22/03	120"	22"	N/A
	15-2	1/22/03	120"	20"	N/A
LOT 5	5B	4/24/13	10'-0"	24"	N/A
	5C	4/24/13	10'-0"	18"	N/A
		1/22/03	120"	18"	N/A

ASSESSORS REFERENCE:

A.P. 50, LOT 2  
 TOTAL AREA 3,750,496 S.F. (86.1 ACRES)  
 DEED REFERENCES: BOOK 409 PAGE 040 & 041  
 BOOK 148 PAGES 157-167  
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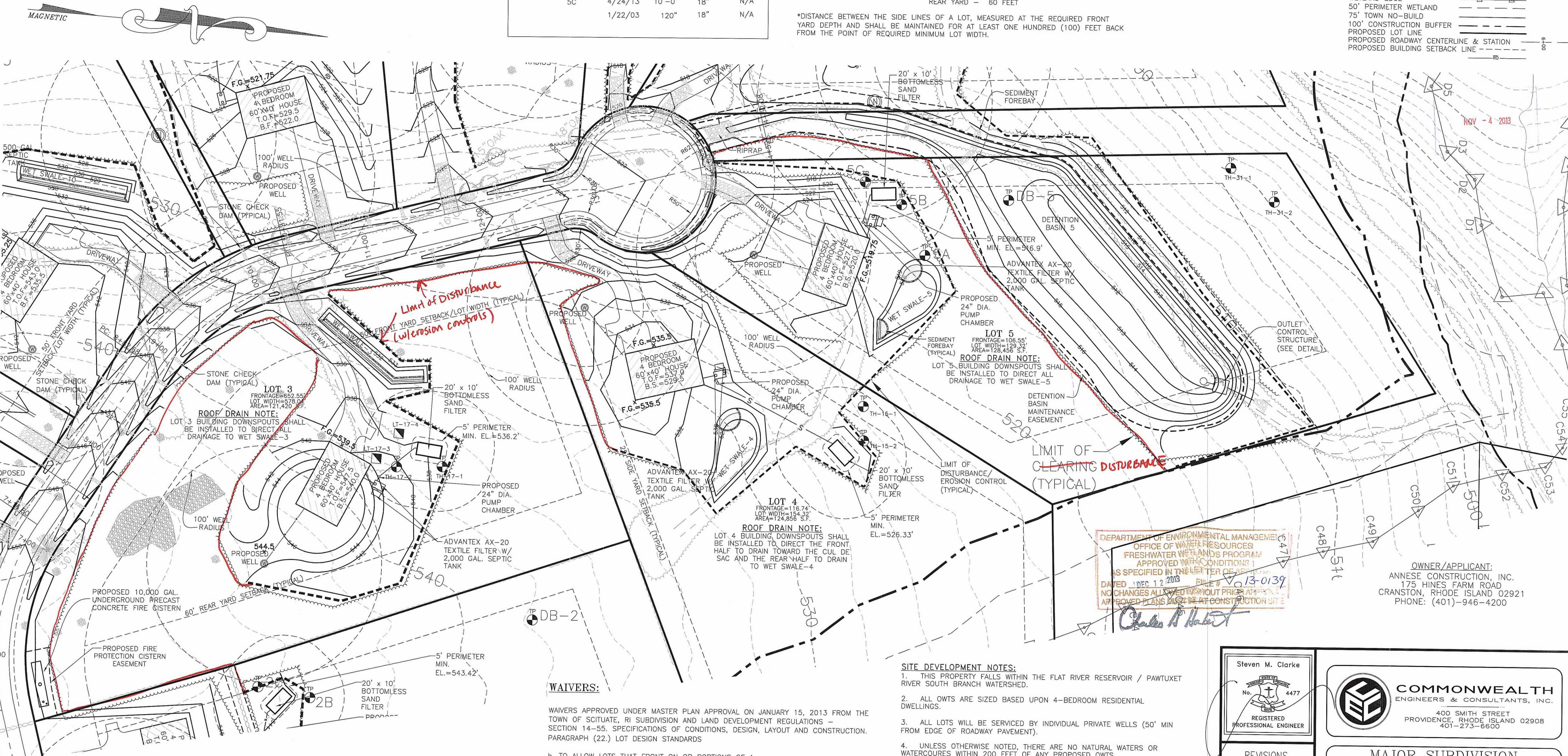
ZONING REFERENCE:

RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)  
 MINIMUM LOT AREA : 120,000 S.F.  
 MINIMUM LOT WIDTH\*: 300 FEET  
 MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
 SIDE YARD - 35 FEET  
 REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

LEGEND

- PERIMETER ABUTTER LINE
- TOWN LINE
- EXISTING CONTOUR LINE
- EXISTING SPOT GRADE
- EXISTING BUILDING
- EXISTING TREE LINE
- EXISTING TREE
- EXISTING STONE PILE
- EXISTING STONEWALL
- EXISTING FENCE LINE
- EXISTING UTILITY POLE
- TEST HOLE
- LEDGE TEST
- WETLAND EDGE
- 50' PERIMETER WETLAND
- 75' TOWN NO-BUILD
- 100' CONSTRUCTION BUFFER
- PROPOSED LOT LINE
- PROPOSED ROADWAY CENTERLINE & STATION
- PROPOSED BUILDING SETBACK LINE



WAIVERS:

WAIVERS APPROVED UNDER MASTER PLAN APPROVAL ON JANUARY 15, 2013 FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55. SPECIFICATIONS OF CONDITIONS, DESIGN, LAYOUT AND CONSTRUCTION. PARAGRAPH (22.) LOT DESIGN STANDARDS

- b. TO ALLOW LOTS THAT FRONT ON OR PORTIONS OF A CUL-DE-SAC/DEAD-END/TURN-AROUND AND NOT HAVE SIDE LOT LINES RADIAL TO OR CENTERED ON THE CUL-DE-SAC/DEAD-END/TURNAROUND.
- c. TO ALLOW LOTS TO HAVE SIDE LINES THAT ARE LESS THAN 100 FEET APART AT ANY GIVEN POINT THROUGHOUT THE LOT.
- d. TO ALLOW LOTS TO HAVE INTERIOR ANGLES EXCEEDING 245 DEGREES.

REQUEST OF WAIVERS TO BE APPROVED FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55 APPENDIX B. CONSTRUCTION OF IMPROVEMENTS

- 1. STREETS (b) 26' WIDE PAVEMENT & CAPE COD BERM (22' WIDE, 4' SOFT SHOULDERS, NO BERM)
- 2. DRAINAGE (e) DRAIN LINE MINIMUM 3' DEPTH (DRIVEWAY CULVERTS)

SITE DEVELOPMENT NOTES:

- 1. THIS PROPERTY FALLS WITHIN THE FLAT RIVER RESERVOIR / PAWTUXET RIVER SOUTH BRANCH WATERSHED.
- 2. ALL OWTS ARE SIZED BASED UPON 4-BEDROOM RESIDENTIAL DWELLINGS.
- 3. ALL LOTS WILL BE SERVICED BY INDIVIDUAL PRIVATE WELLS (50' MIN FROM EDGE OF ROADWAY PAVEMENT).
- 4. UNLESS OTHERWISE NOTED, THERE ARE NO NATURAL WATERS OR WATERCOURSES WITHIN 200 FEET OF ANY PROPOSED OWTS.
- 5. UNLESS OTHERWISE NOTED, NO PROPOSED OWTS IS WITHIN 100 FEET OF AN EXISTING OR PROPOSED PRIVATE WELL.
- 6. UNLESS OTHERWISE NOTED, THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF A PROPOSED OWTS.
- 7. PROPOSED ELECTRIC, TELEPHONE & CABLE UTILITY SERVICES SHALL BE INSTALLED OVERHEAD ON UTILITY POLES.
- 8. PROPOSED ROOF DRAINS SHALL BE INSTALLED AS NOTED HEREON

Steven M. Clarke  
 No. 4477  
 REGISTERED PROFESSIONAL ENGINEER

**COMMONWEALTH**  
 ENGINEERS & CONSULTANTS, INC.  
 400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908  
 401-273-6600

REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

MAJOR SUBDIVISION  
 PRELIMINARY PLAN SUBMISSION  
 for  
 "NIPMUC III"  
 A.P. 50, LOT 2  
 in  
 SCITUATE, RHODE ISLAND  
 SPECIAL REGULATIONS DEVELOPMENT 2

SCALE: 1"=40' SHEET NO: 10 of 17  
 DRAWN BY: JP DESIGN BY: JP CHECKED BY: JAR  
 DATE: 07/15/13 PROJECT NO.: 02133.01



PERMANENT OPEN SPACE PARCEL  
 AREA=1,919,511 S.F.  
 (44.07 ACRES)

**LEGEND**

- PERIMETER
- ABUTTER LINE
- TOWN LINE
- EXISTING CONTOUR LINE
- EXISTING SPOT GRADE
- EXISTING BUILDING
- EXISTING TREELINE
- EXISTING TREE
- EXISTING STONE PILE
- EXISTING STONEWALL
- EXISTING FENCE LINE
- EXISTING UTILITY POLE
- TEST HOLE
- LEDGE TEST
- WETLAND EDGE
- 50' PERIMETER WETLAND
- 75' TOWN NO-BUILD
- 100' CONSTRUCTION BUFFER
- PROPOSED LOT LINE
- PROPOSED ROADWAY CENTERLINE & STATION
- PROPOSED BUILDING SETBACK LINE
- PROPOSED ROOF DRAIN

SOIL EVALUATION TEST RESULTS					
SUBDIVISION LOT NO.	TEST HOLE NO.	DATE EXCAVATED	TOTAL DEPTH	APPROVED WATER TABLE	APPROVED LEDGE DEPTH
LOT 10	26-1	1/23/03	64"	40"	64"
	26-2	1/23/03	55"	30"	55"
	LP-26-4	1/23/03	63"	N/A	63"
	LP-26-5	1/23/03	87"	N/A	87"
	LP-26-6	1/23/03	53"	N/A	53"
	LOT 11	11A	4/23/13	84"	36"
LOT 11	11B	4/23/13	66"	36"	66"
	LP-11-1	4/23/13	60"	N/A	60"
	LP-11-2	4/23/13	54"	N/A	54"
	LOT 12	12A	4/23/13	90"	36"
LOT 12	12B	4/23/13	96"	36"	96"
	LP-12-1	4/23/13	48"-11" (S TO N)	N/A	48"-11"
	LP-12-2	4/23/13	48"	N/A	48"
	LOT 13	20-1	1/27/03	108"	36"
LOT 13	20-2	1/27/03	48"	36"	48"
	LP-20-3	1/27/03	80"	N/A	80"
	LP-20-4	1/27/03	80"	N/A	80"
	LP-20-5	1/27/03	92"	N/A	92"
	LP-20-6	1/27/03	66"	N/A	66"

- SITE DEVELOPMENT NOTES:**
- THIS PROPERTY FALLS WITHIN THE FLAT RIVER RESERVOIR / PAWTUCKET RIVER SOUTH BRANCH WATERSHED.
  - ALL LOTS ARE SIZED BASED UPON 4-BEDROOM RESIDENTIAL DWELLINGS.
  - ALL LOTS WILL BE SERVICED BY INDIVIDUAL PRIVATE WELLS (50' MIN FROM EDGE OF ROADWAY PAVEMENT).
  - UNLESS OTHERWISE NOTED, THERE ARE NO NATURAL WATERS OR WATERCOURSES WITHIN 200 FEET OF ANY PROPOSED OWTS.
  - UNLESS OTHERWISE NOTED, NO PROPOSED OWTS IS WITHIN 100 FEET OF AN EXISTING OR PROPOSED PRIVATE WELL.
  - UNLESS OTHERWISE NOTED, THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF A PROPOSED OWTS.
  - PROPOSED ELECTRIC, TELEPHONE & CABLE UTILITY SERVICES SHALL BE INSTALLED OVERHEAD ON UTILITY POLES.
  - PROPOSED ROOF DRAINS SHALL BE INSTALLED AS NOTED HEREON.

- WAIVERS:**
- WAIVERS APPROVED UNDER MASTER PLAN APPROVAL ON JANUARY 15, 2013 FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55. SPECIFICATIONS OF CONDITIONS, DESIGN, LAYOUT AND CONSTRUCTION. PARAGRAPH (22.) LOT DESIGN STANDARDS
- TO ALLOW LOTS THAT FRONT ON OR PORTIONS OF A CUL-DE-SAC/DEAD-END/TURN-AROUND AND NOT HAVE SIDE LOT LINES RADIAL TO OR CENTERED ON THE CUL-DE-SAC/DEAD-END/TURNAROUND.
  - TO ALLOW LOTS TO HAVE SIDE LINES THAT ARE LESS THAN 100 FEET APART AT ANY GIVEN POINT THROUGHOUT THE LOT.
  - TO ALLOW LOTS TO HAVE INTERIOR ANGLES EXCEEDING 245 DEGREES.

- REQUEST OF WAIVERS TO BE APPROVED FROM THE TOWN OF SCITUATE, RI SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - SECTION 14-55
- APPENDIX B. CONSTRUCTION OF IMPROVEMENTS
- STREETS (b) 26' WIDE PAVEMENT & CAPE COD BERM (22' WIDE, 4' SOFT SHOULDERS, NO BERM)
  - DRAINAGE (e) DRAIN LINE MINIMUM 3' DEPTH (DRIVEWAY CULVERTS)

CONSTRUCTION ENVIRONMENTAL MANAGEMENT (TYPICAL) OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED DEC 12 2013 FILE # 13-0139 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Clarke*

OWNER/APPLICANT:  
 ANNESE CONSTRUCTION, INC.  
 175 HINES FARM ROAD  
 CRANSTON, RHODE ISLAND 02921  
 PHONE: (401)-946-4200

ASSESSORS REFERENCE:  
 A.P. 50, LOT 2  
 TOTAL AREA 3,750,496 S.F. (86.1 ACRES)

DEED REFERENCES: BOOK 409 PAGE 040 & 041  
 BOOK 148 PAGES 157-167  
 BOOK 152 PAGES 925-927

ZONING REFERENCE:  
 RR-120 DISTRICT (SINGLE-FAMILY RESIDENCES)

MINIMUM LOT AREA : 120,000 S.F.  
 MINIMUM LOT WIDTH: 300 FEET  
 MINIMUM YARD SETBACKS : FRONT YARD - 50 FEET  
 SIDE YARD - 35 FEET  
 REAR YARD - 60 FEET

\*DISTANCE BETWEEN THE SIDE LINES OF A LOT, MEASURED AT THE REQUIRED FRONT YARD DEPTH AND SHALL BE MAINTAINED FOR AT LEAST ONE HUNDRED (100) FEET BACK FROM THE POINT OF REQUIRED MINIMUM LOT WIDTH.

**OWTS DESIGN DATA TABLE**

LOT #	DESIGN SOIL CAT.	DESIGN LOADING RATE (G/SF/DAY)	SYSTEM TYPE	LEACHFIELD DESIGN PT. ELEV.*	ESHWT ELEV.	MIN. BOTTOM SYSTEM ELEV.**	MIN. INVERT/PERIMETER ELEV.	MIN. FIELD FINISH GRADE	MAX. FIELD FINISH GRADE
10	6	0.61	ELJEN	528.0'	525.5'	528.5'	529.08'	530.58'	531.58'
11	6	0.61	ELJEN	504.9'	501.9'	501.9'	502.48'	503.98'	504.98'
12	6	0.61	ELJEN	538.0'	535.0'	538.0'	538.58'	540.08'	541.08'
13	6	0.61	ELJEN	526.0'	523.0'	526.0'	526.58'	528.08'	529.08'

\* HIGH SIDE OF PROPOSED LEACH FIELD.  
 \*\*TOP OF SAND/BOTTOM OF PEASTONE FOR BSF.  
 - MIN. ELJEN SIZING: 115 GPD/BDR X 4 BDR = 460 GPD / .61 GPD/SF = 754.1 SF MIN. / 28 SF/UNIT = 26.90 UNITS, 28 UNITS PROPOSED (45' X 19' FOOTPRINT) = 784 SF  
 - MIN. BSF SIZING: 115 GPD/BDR X 4 BDR = 460 GPD / 2.3 GPD/SF = 230 SF MIN. USE 23' X 10' = 230 SF

ROOF DRAIN NOTE:  
 LOT 11 BUILDING DOWNSPOUTS SHALL BE INSTALLED TO DIRECT ALL DRAINAGE TO WET SWALE-11

LOT 11  
 FRONTAGE=50.05'  
 LOT WIDTH=50.05'  
 AREA=21,050 S.F.

PROPOSED 4 BEDROOM 60'x40' HOUSE  
 T.O.F.=513.5  
 B.S.=606.0

1,500 GAL. SEPTIC TANK

ELJEN LEACHFIELD 45'X19', 28 UNITS

10' PERIMETER MIN. ELEV.=502.78'

ROOF DRAIN NOTE:  
 LOT 10 BUILDING DOWNSPOUTS SHALL BE INSTALLED TO DIRECT ALL DRAINAGE TO WET SWALE-10

LOT 10  
 FRONTAGE=189.40'  
 LOT WIDTH=215.17'  
 AREA=120,468 S.F.

PROPOSED 4 BEDROOM 60'x40' HOUSE  
 T.O.F.=523.0  
 B.S.=533.5

1,500 GAL. SEPTIC TANK

ELJEN LEACHFIELD 45'X19', 28 UNITS

10' PERIMETER MIN. ELEV.=529.08'

ROOF DRAIN NOTE:  
 LOT 12 BUILDING DOWNSPOUTS SHALL BE INSTALLED TO DIRECT THE FRONT HALF TO DRAIN TOWARD THE PROPOSED ROADWAY AND THE REAR HALF TO DRAIN TO THE SOUTH

LOT 12  
 FRONTAGE=103.71'  
 LOT WIDTH=113.96'  
 AREA=120,254 S.F.

PROPOSED 4 BEDROOM 60'x40' HOUSE  
 T.O.F.=545.5  
 B.S.=546.0

1,500 GAL. SEPTIC TANK

ELJEN LEACHFIELD 45'X19', 28 UNITS

10' PERIMETER MIN. ELEV.=538.58'

LOT 13  
 FRONTAGE=62.39'  
 LOT WIDTH=77.42'  
 AREA=129,301 S.F.

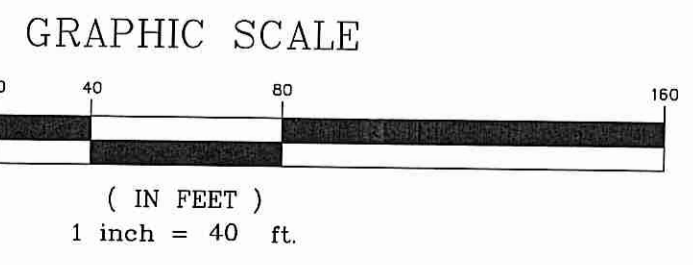
ROOF DRAIN NOTE:  
 LOT 13 BUILDING DOWNSPOUTS SHALL BE INSTALLED TO DIRECT THE FRONT HALF TO DRAIN TO WET SWALE-13 AND THE REAR HALF TO DRAIN TO THE SOUTH

PROPOSED 4 BEDROOM 60'x40' HOUSE  
 T.O.F.=548.5  
 B.S.=541.0

1,500 GAL. SEPTIC TANK

ELJEN LEACHFIELD 45'X19', 28 UNITS

10' PERIMETER MIN. ELEV.=526.58'



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Steven M. Clarke  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 4477

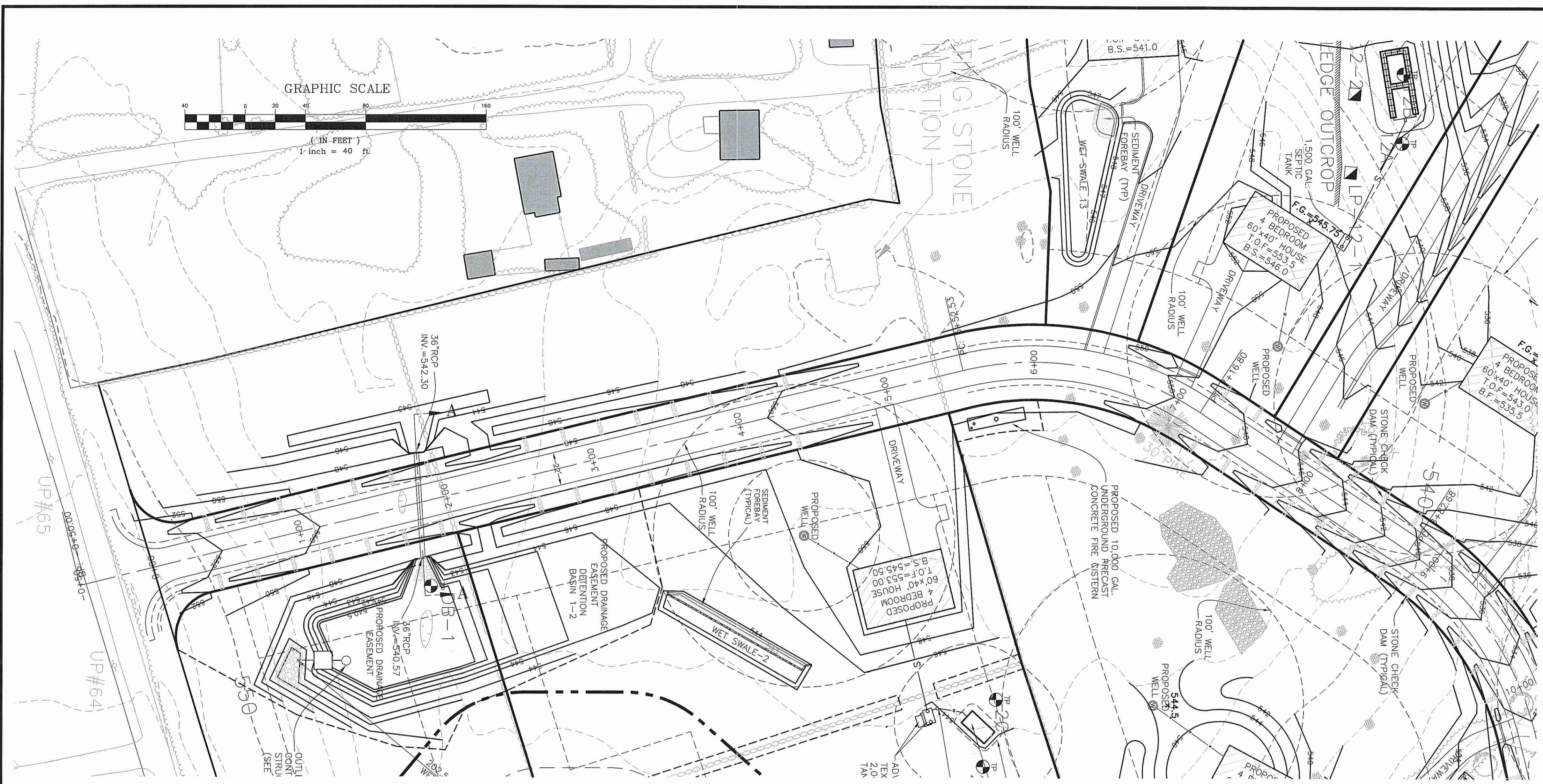
**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
 400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908  
 401-273-6600

MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION for "NIPMUC III" A.P. 50, LOT 2 in SCITUATE, RHODE ISLAND SPECIAL REGULATIONS DEVELOPMENT 4

SCALE: 1"=40' SHEET NO: 12 of 17  
 DRAWN BY: JP DESIGN BY: JP CHECKED BY: JAR  
 DATE: 07/15/13 PROJECT NO.: 02133.01

**REVISIONS**

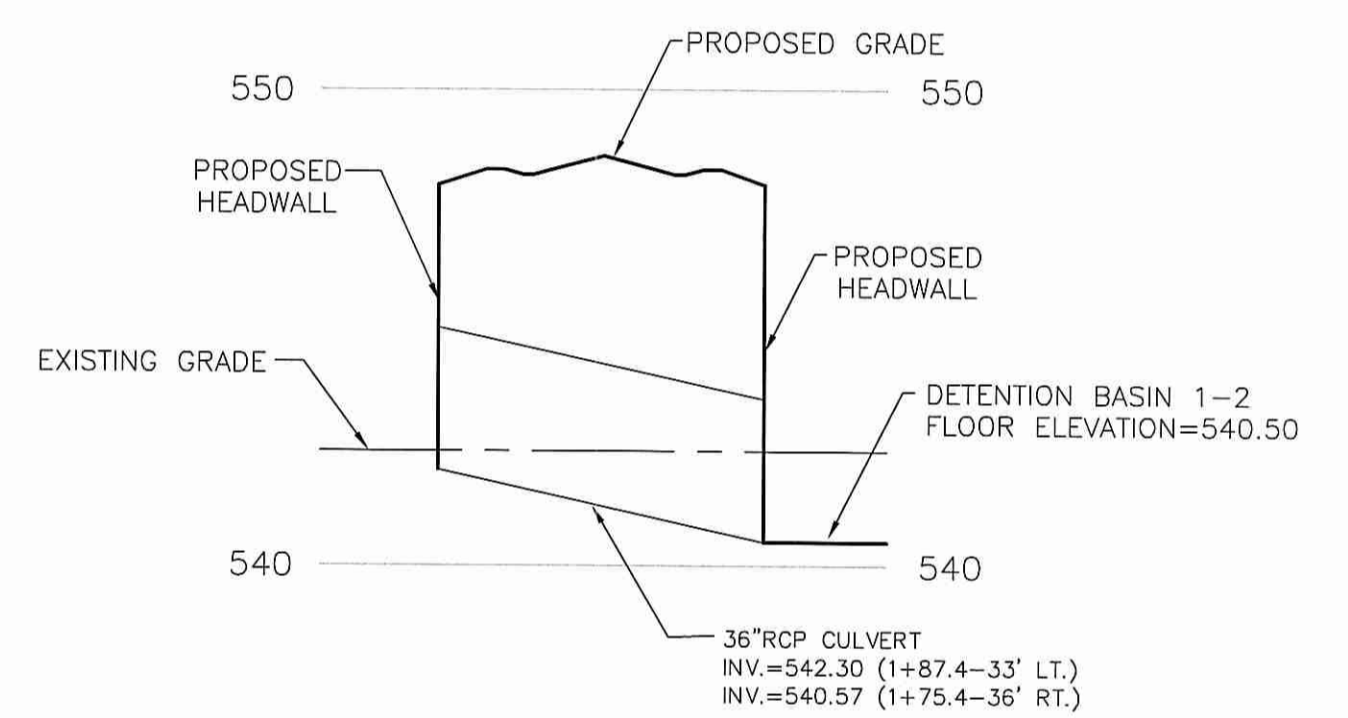
No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR



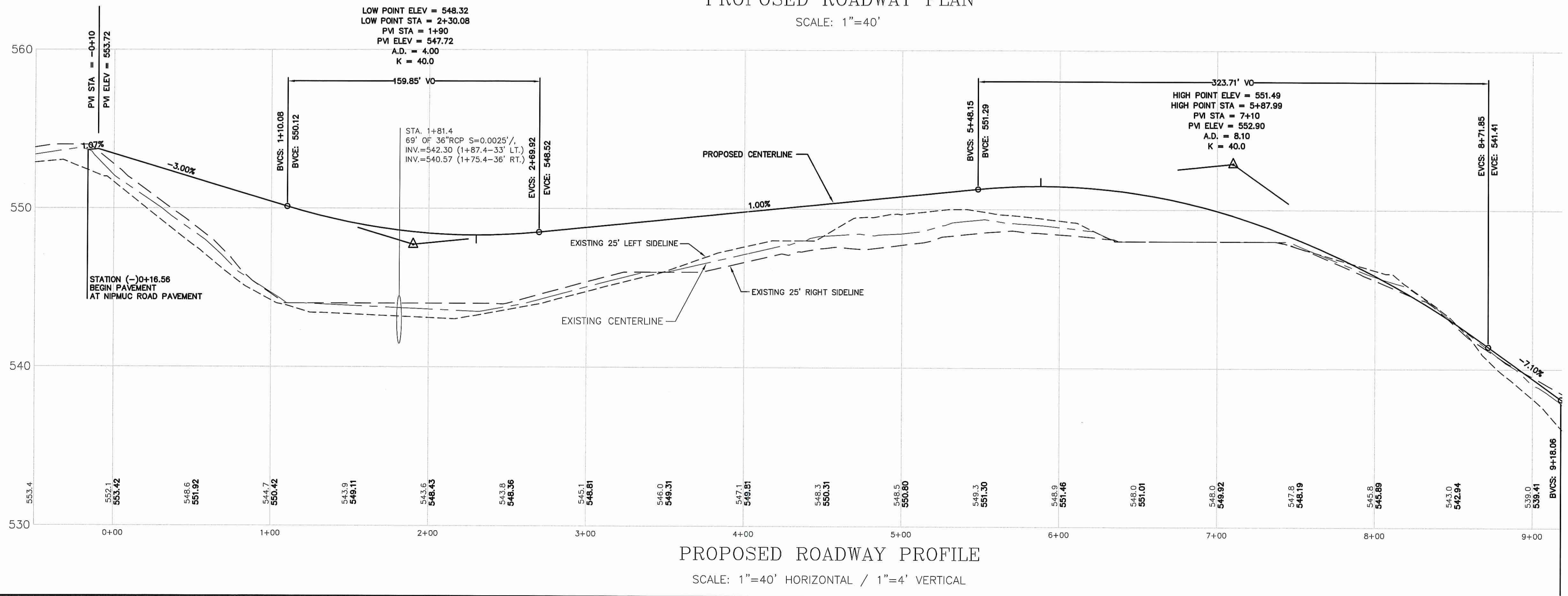
PROPOSED ROADWAY PLAN  
SCALE: 1"=40'

**ROADWAY SWALE NOTE:**  
 DRY SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM 0+00 TO 5+00 LEFT AND RIGHT.  
 WET SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM STATION 6+50 TO 14+50 LEFT AND RIGHT.

NOV - 4 2013



SECTION A-A  
 CULVERT CROSSING STATION 1+81.4  
 SCALE: 1"=40' HORIZONTAL / 1"=4' VERTICAL



PROPOSED ROADWAY PROFILE  
 SCALE: 1"=40' HORIZONTAL / 1"=4' VERTICAL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED DEC 12 2013 FILE # 13-0139  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Holbert*

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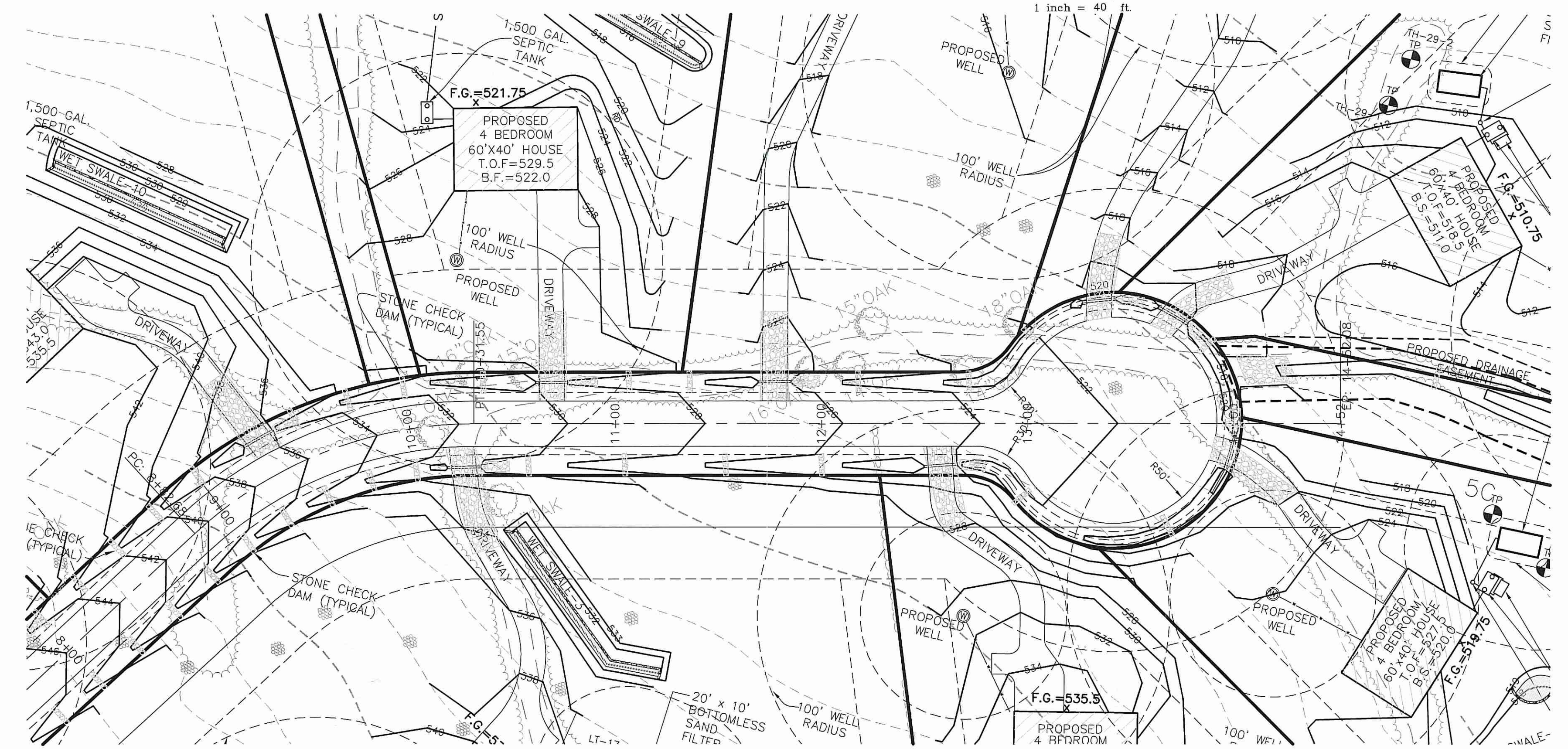
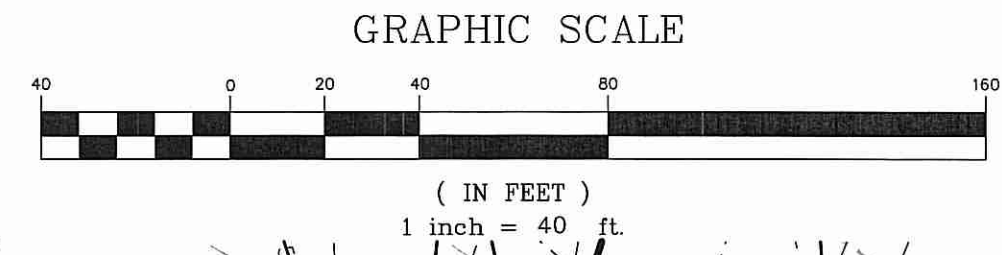
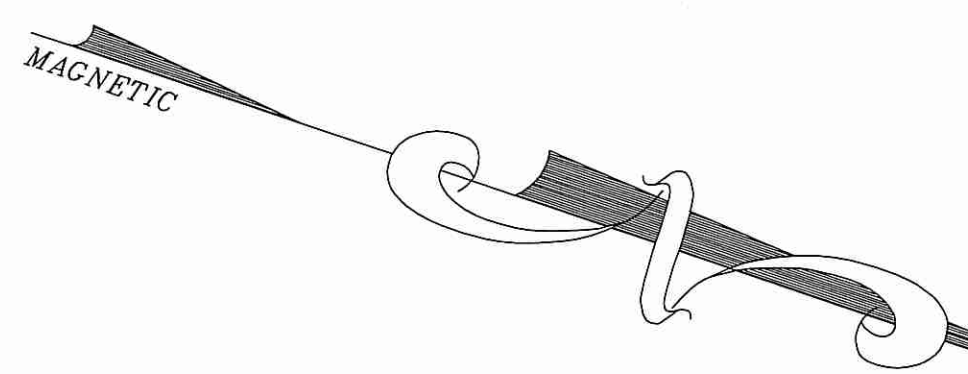
REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

MAJOR SUBDIVISION  
 PRELIMINARY PLAN SUBMISSION  
 for  
 "NIPMUC III"  
 A.P. 50, LOT 2  
 in  
 SCITUATE, RHODE ISLAND  
 ROADWAY PLAN & PROFILE 1

SCALE: AS NOTED	SHEET NO: 13 of 217	
DRAWN BY: JP	DESIGN BY: JP	CHECKED BY: JAR
DATE: 07/15/13	PROJECT NO.: 02133.01	

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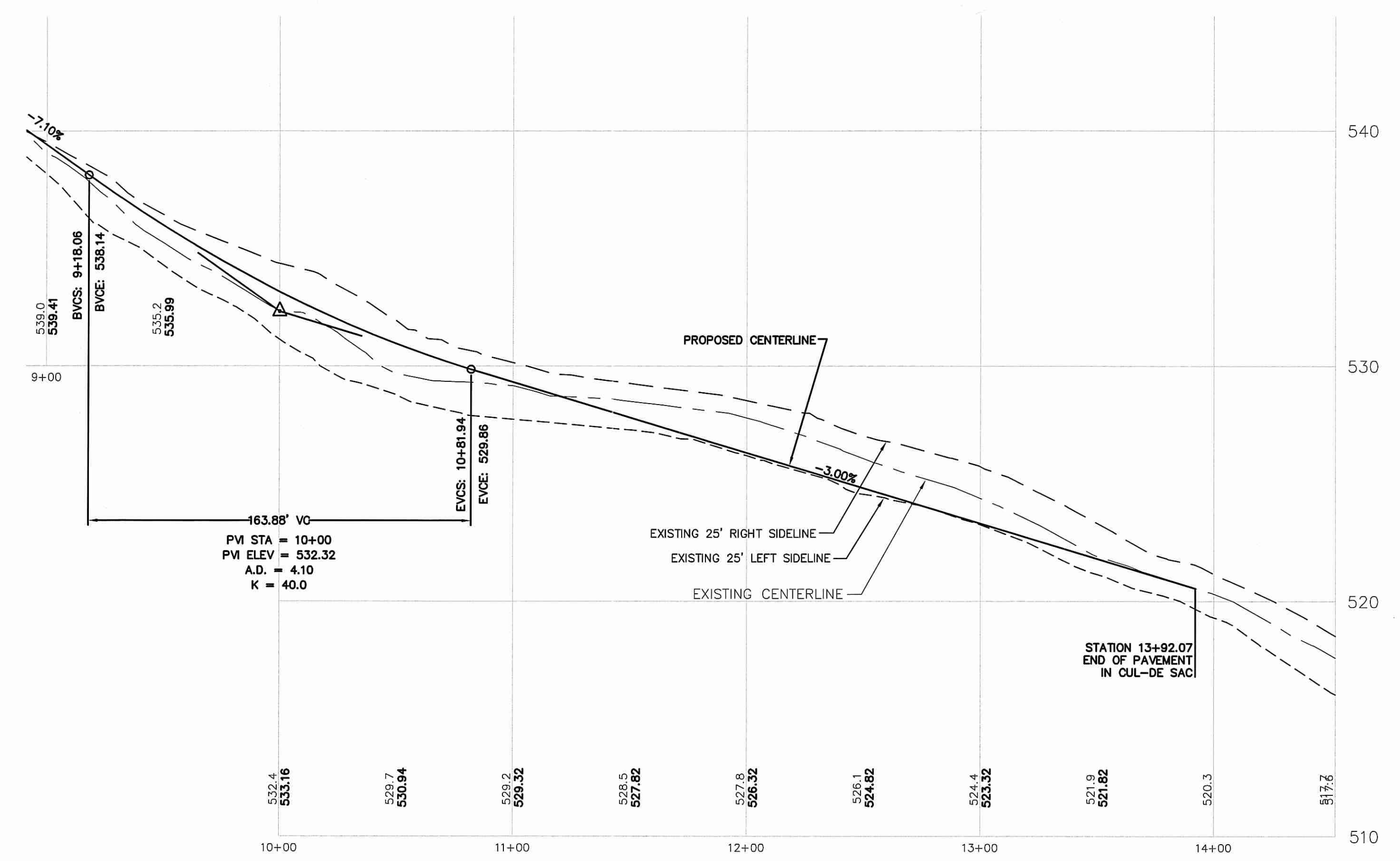
PROPOSED ROADWAY PLAN

SCALE: 1"=40'

NOV - 4 2013

ROADWAY SWALE NOTE:  
 DRY SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM 0+00 TO 5+00 LEFT AND RIGHT.

WET SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM STATION 6+50 TO 14+50 LEFT AND RIGHT.



PROPOSED ROADWAY PROFILE

SCALE: 1"=40' HORIZONTAL / 1"=4' VERTICAL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 ENGINEERS & CONSULTANTS, INC.  
 400 SMITH STREET  
 PROVIDENCE, RHODE ISLAND 02908  
 401-273-6600

REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

MAJOR SUBDIVISION  
 PRELIMINARY PLAN SUBMISSION  
 for  
 "NIPMUC III"  
 A.P. 50, LOT 2  
 in  
 SCITUATE, RHODE ISLAND  
 ROADWAY PLAN & PROFILE 2

SCALE: AS NOTED	SHEET NO: 14 of 25 17	
DRAWN BY: JP	DESIGN BY: JP	CHECKED BY: JAR
DATE: 07/15/13	PROJECT NO.: 02133.01	

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**GENERAL NOTES:**

- THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION WEB PAGE. THESE SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
- ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STARTED UNTIL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE MADE TO DETERMINE WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL AGREEMENT WITH THE APPROVED FINAL CONSTRUCTION DRAWING AND THE TOWN SPECIFICATIONS.
- LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED UTILITY COMPANIES ARE NOTIFIED 48-HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-800-344-7233) A MINIMUM OF 48 WORKING HOURS EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY, BUT NOT LIMITED TO, THE STATE OF RHODE ISLAND, THE FEDERAL GOVERNMENT, THE TOWN OF EAST GREENWICH AND ALL INDIVIDUAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- THE INSTALLATION OF THE WATER UTILITY IMPROVEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE KENT COUNTY WATER DEPARTMENT AND THE AMERICAN WATER WORKS STANDARDS.
- ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
- VERTICAL DATUM: MEAN SEA LEVEL (NAVD 88).
- FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).

**SEDIMENTATION CONTROL PROGRAM:**

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUN-OFF FLOW DURING STORMS AND PERIODS OF
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL. 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.
- ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- SEDIMENTATION TRAPS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURES DURING CONSTRUCTION.
- EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THE SITE PRIOR TO THE START OF CONSTRUCTION AND BE PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED INCLUDING:
  - THE INSTALLATION OF A CONTINUOUS LINE OF STAKED HAYBALES IN ALL LOCATIONS SHOWN ON THE APPROVED SITE PLANS AND WHERE OTHERWISE NECESSARY TO PREVENT SEDIMENTS FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
  - ALL DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER PRIOR TO THE COMPLETION OF THE PROJECT. AREAS EXPOSED FOR EXTENDED PERIODS ARE TO BE COMPLETELY COVERED WITH SPREAD HAY MULCH.
  - CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SUMPS ARE TO BE CLEANED IMMEDIATELY FOLLOWING INSTALLATION OF PERMANENT PAVEMENT.
  - OUTFALLS ARE TO BE PROTECTED BY HAYBALE FILTERS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER.
  - ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.

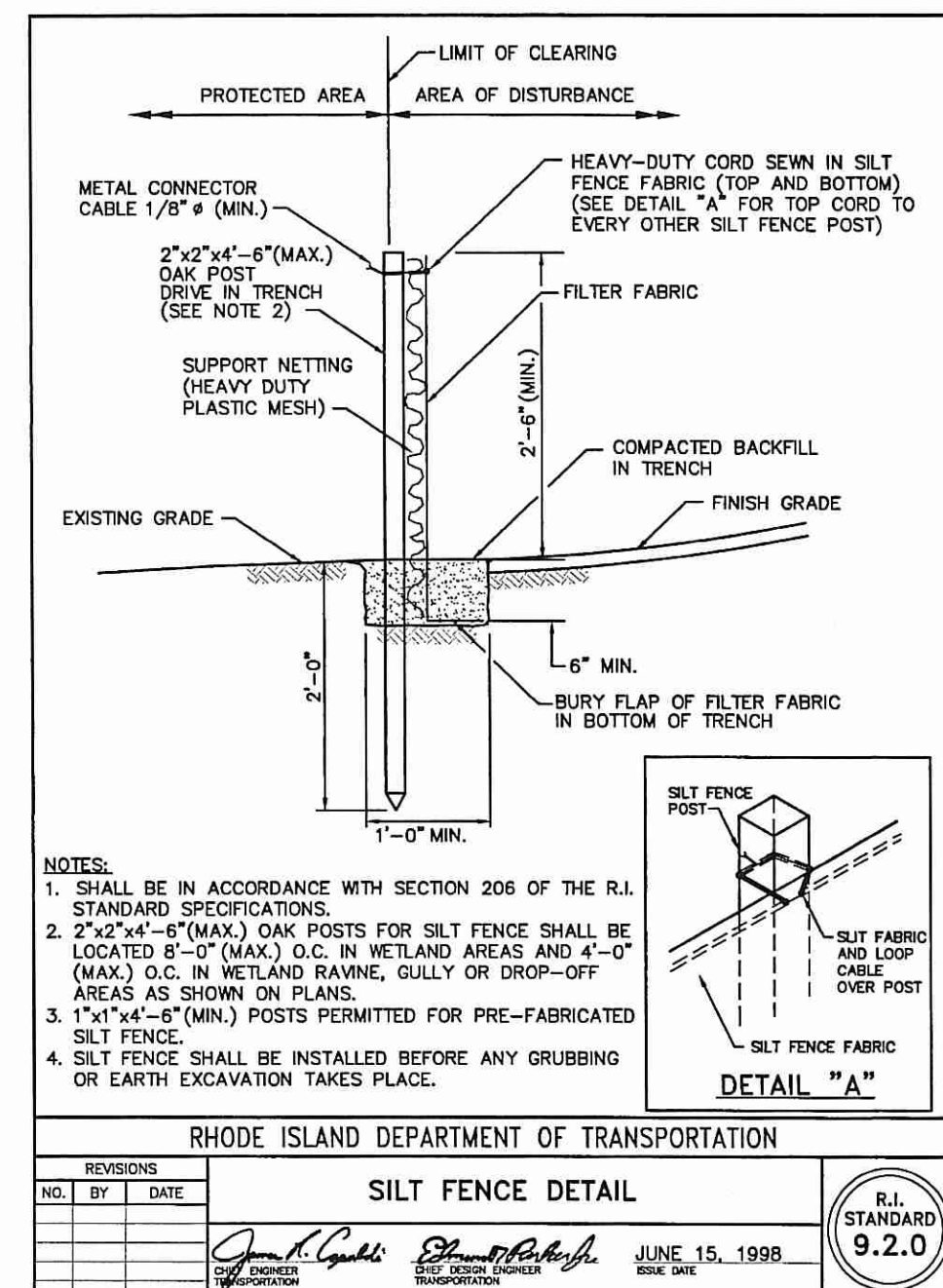
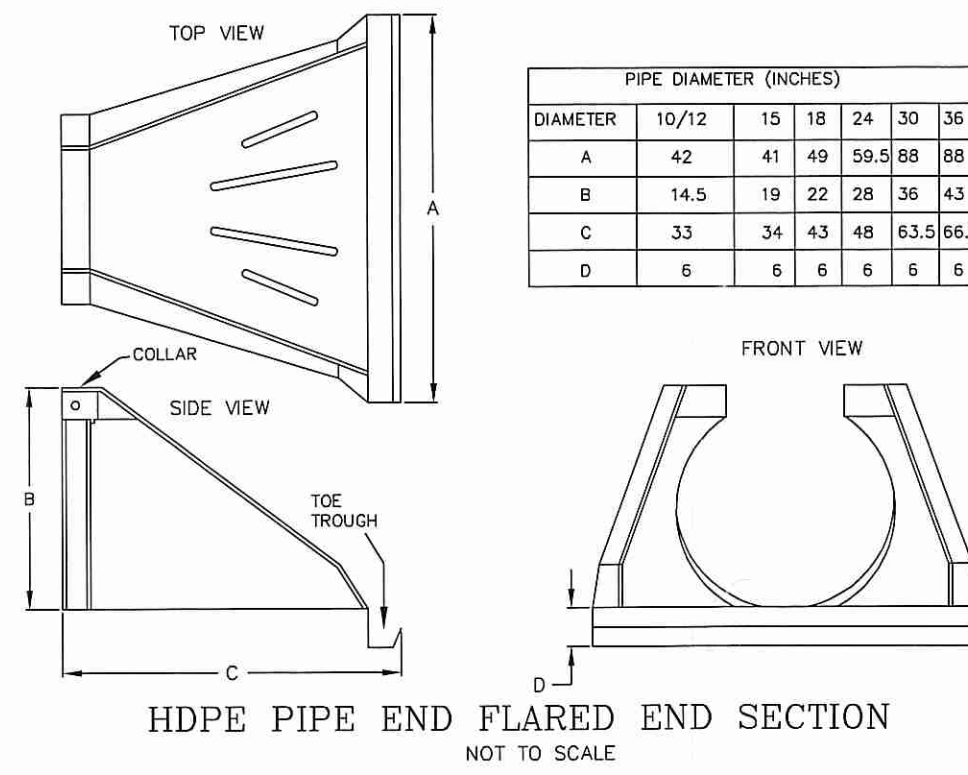
**EROSION CONTROL AND SOIL STABILIZATION PROGRAM:**

- DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS THE INACTIVE WINTER SEASONS.
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, 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.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
- ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN-PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHODE ISLAND STANDARD SPECIFICATION M.20.01.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24-HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDDED SHALL BE COMPRISED OF THE FOLLOWING:
 

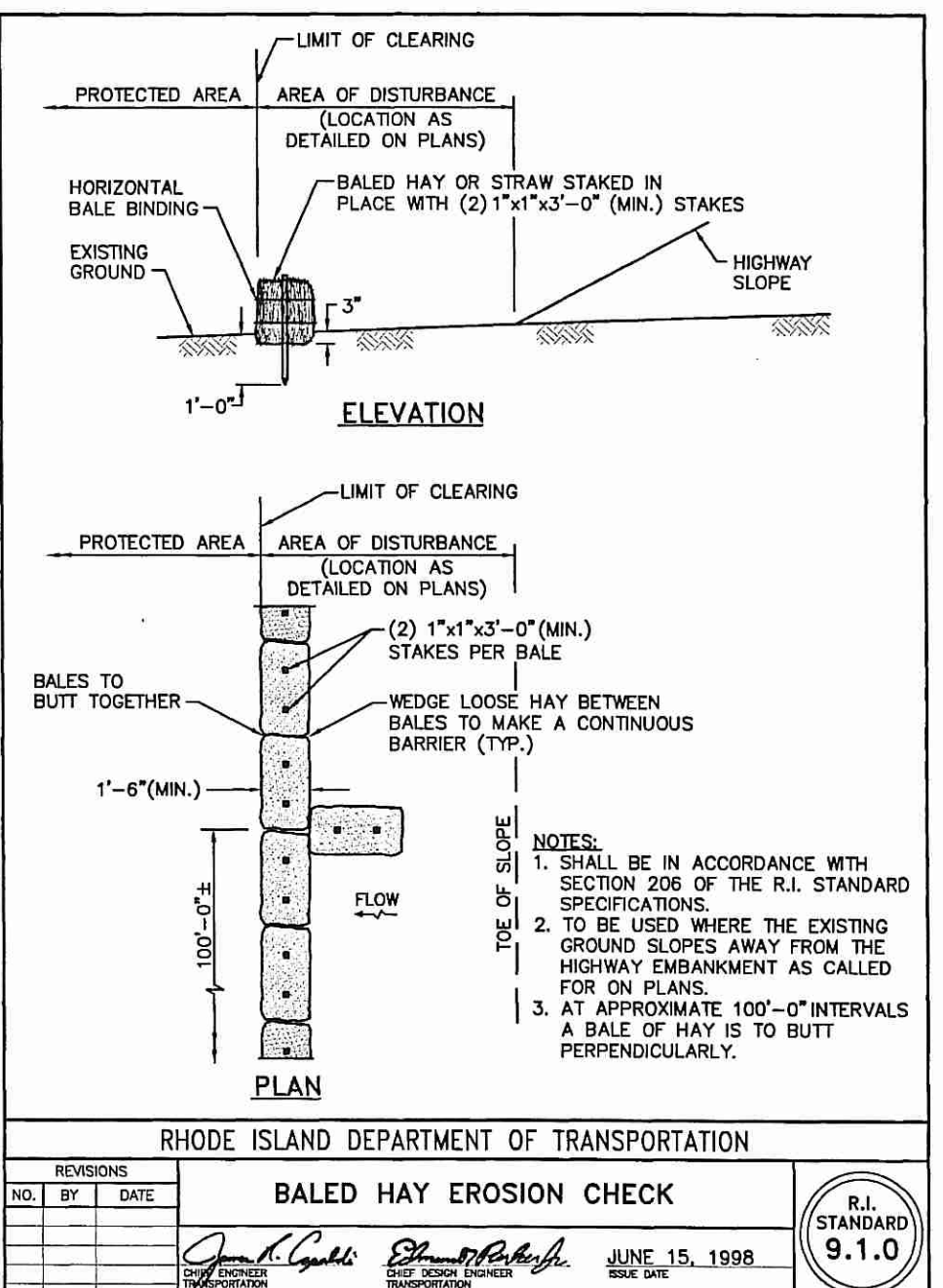
TYPE	% BY WEIGHT	SEEDING DATE
GREeping RED FESCUE	70	APRIL 1 - JUNE 15
ASTORIA BENTGRASS	5	AUGUST 15 - OCTOBER
BIRDFOOT TREFFOIL	15	
PERENNIAL RYEGRASS	10	

- APPLICATION RATE 100 LBS/ACRE  
LINING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
- STOCKPILES OF TOPSOIL AND EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILE SHALL ALSO BE SEEDDED AND/OR STABILIZED.
- ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
- TREES TO BE RETAINED SHALL BE FENCED OR ROPED OFF TO PROTECT THEM FROM CONSTRUCTION EQUIPMENT.
- ALL PROPOSED PLANTINGS MUST BE ACCOMPLISHED AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION, AND AT LEAST PRIOR TO ANY ON-SITE OCCUPANCY.
- ALL PROPOSED PLANTINGS MUST BE MAINTAINED BY THE PROPERTY OWNER TO ENSURE SURVIVAL.
- SHOULD ANY OR ALL OF THE PROPOSED PLANTS FAIL TO SURVIVE AT LEAST ONE (1) FULL GROWING SEASON FROM THE TIME THEY HAVE BEEN PLANTED, THE OWNER SHALL BE FULLY RESPONSIBLE FOR REPLACING AND MAINTAINING THE SAME PLANT SPECIES FOR ONE (1) ADDITIONAL GROWING SEASON.
- ALL DISTURBED AREAS MUST BE SEEDDED OR PLANTED WITHIN THE CONSTRUCTION SEASON.
- TEMPORARY SEEDING MUST BE DONE WITHIN ONE (1) MONTH AFTER DISTURBANCE.
- ALL DISTURBED AREAS MUST BE PERMANENTLY SEEDDED OR PLANTED BEFORE OCTOBER 1ST, IF NOT THEY MUST BE TEMPORARILY SEEDDED.
- SLOPES CONSTRUCTED AT, OR STEEPER THAN, 15% SHALL HAVE TEMPORARY EROSION CONTROL MATTING UTILIZED AS A SUPPORTIVE METHOD IN ADDITION TO THE METHODS DESCRIBED ABOVE.
- ALL PROPOSED INLETS AND OUTLETS SHALL BE PROTECTED WITH RIPRAP BOTH TEMPORARILY AND PERMANENTLY. SEE DETAIL THIS SHEET.

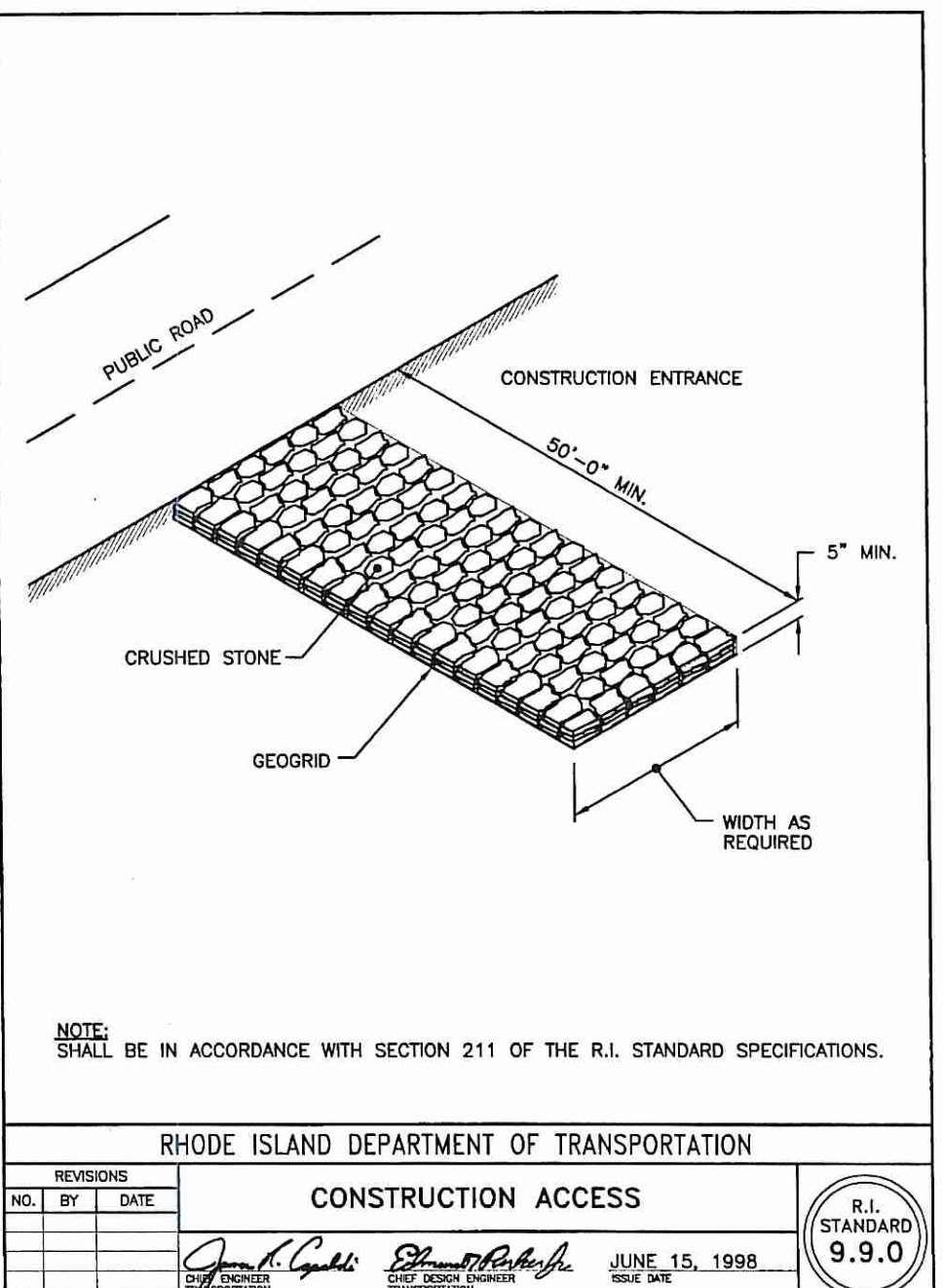
- THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
- UPON COMPLETION OF CONSTRUCTION OF SITE IMPROVEMENTS AND THE STORMWATER DRAINAGE SYSTEM, ALL CATCH BASINS AND STORM DRAIN PIPING SHALL BE CLEANED OF SEDIMENT. DETENTION BASINS SHALL BE CLEANED OF SEDIMENT TO THE DESIGN GRADES INDICATED.
- AT NO TIME DURING CONSTRUCTION SHALL THE SUBGRADE OF THE SITE BE SUCH THAT SURFACE RUNOFF WILL BE PERMITTED TO DIRECTLY ENTER ANY DRAINAGE STRUCTURE. A TEMPORARY DEPRESSED AREA AROUND THE STRUCTURE SHALL BE INCORPORATED AS A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH HAYBALES AROUND THE COMPLETE PERIMETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- HAYBALE EROSION CHECKS SHALL BE MAINTAINED AROUND ALL CATCH BASINS UNTIL ALL UPGRADING DISTURBED AREAS ARE STABILIZED BY PAVEMENT OR VEGETATION.
- ALL COMPONENTS OF THE DRAINAGE SYSTEM MUST BE CLEANED OF SEDIMENT BY THE APPLICANT OR HIS REPRESENTATIVE IMMEDIATELY AFTER CONSTRUCTION IS COMPLETED.
- INSPECT TEMPORARY DIVERSIONS AND THEIR COMPONENTS ONCE A WEEK AND AFTER EVERY RAINFALL. DAMAGE CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY SHOULD BE REPAIRED BEFORE THE END OF EACH WORKING DAY. A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH HAYBALES AROUND THE COMPLETE PERIMETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- CHECK DAMS SHALL BE INSTALLED EVERY 300 FEET FOR SLOPES OF 1% OR LESS, EVERY 200 FEET FOR SLOPES OF 2%, EVERY 150 FEET FOR SLOPES OF 3% TO 5%, AND EVERY 100 FEET FOR SLOPES OF 5% OR GREATER.
- SEDIMENTS SHOULD BE REMOVED FROM THE CHECK DAM WHEN IT REACHES ONE-HALF THE DAM HEIGHT.



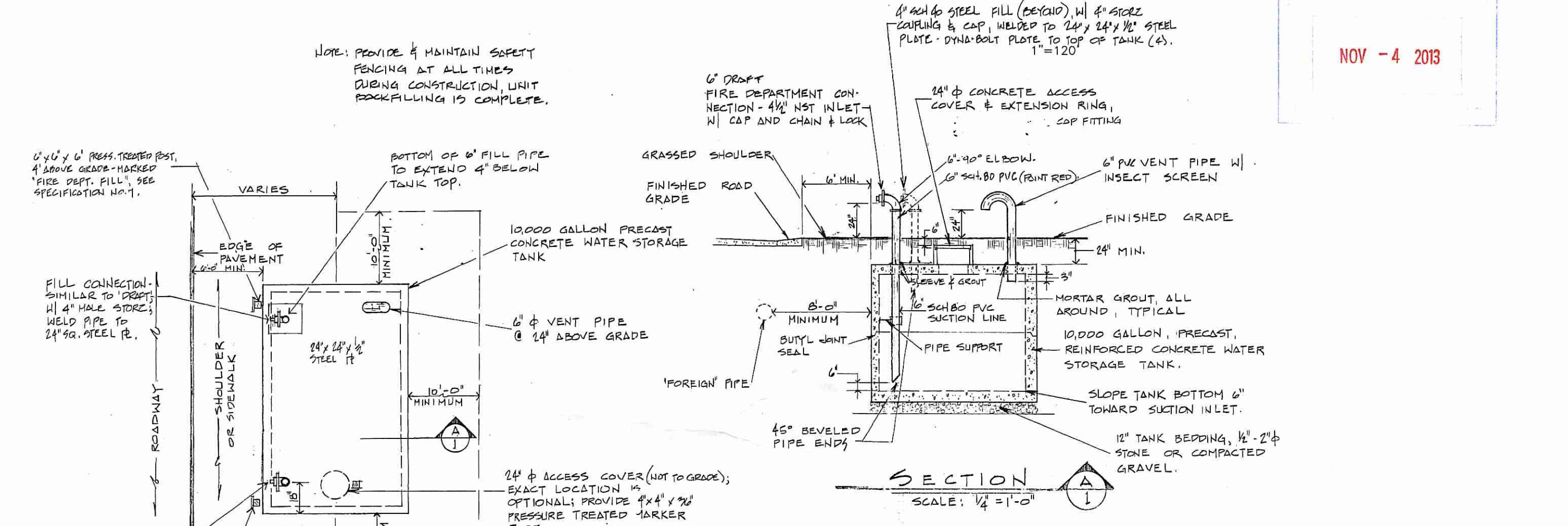
RHODE ISLAND DEPARTMENT OF TRANSPORTATION SILT FENCE DETAIL. DATE: JUNE 15, 1998. R.I. STANDARD 9.2.0.



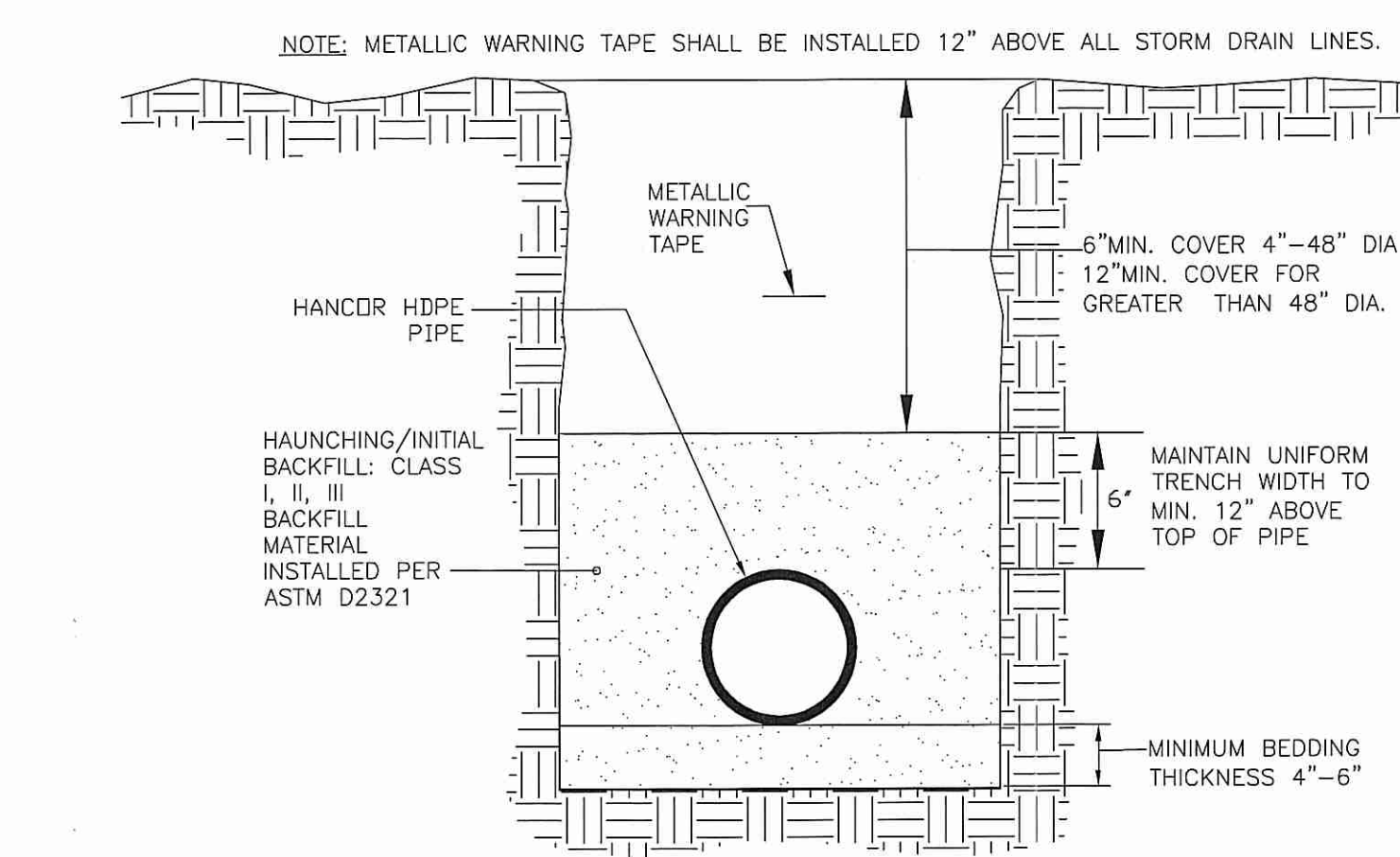
RHODE ISLAND DEPARTMENT OF TRANSPORTATION BALED HAY EROSION CHECK. DATE: JUNE 15, 1998. R.I. STANDARD 9.1.0.



RHODE ISLAND DEPARTMENT OF TRANSPORTATION CONSTRUCTION ACCESS. DATE: JUNE 15, 1998. R.I. STANDARD 9.9.0.



10,000 GALLON PRECAST CONCRETE WATER STORAGE TANK DETAIL. NOT TO SCALE. (APPROVAL REQUIRED BY SITUATE RI FIRE CHIEF)

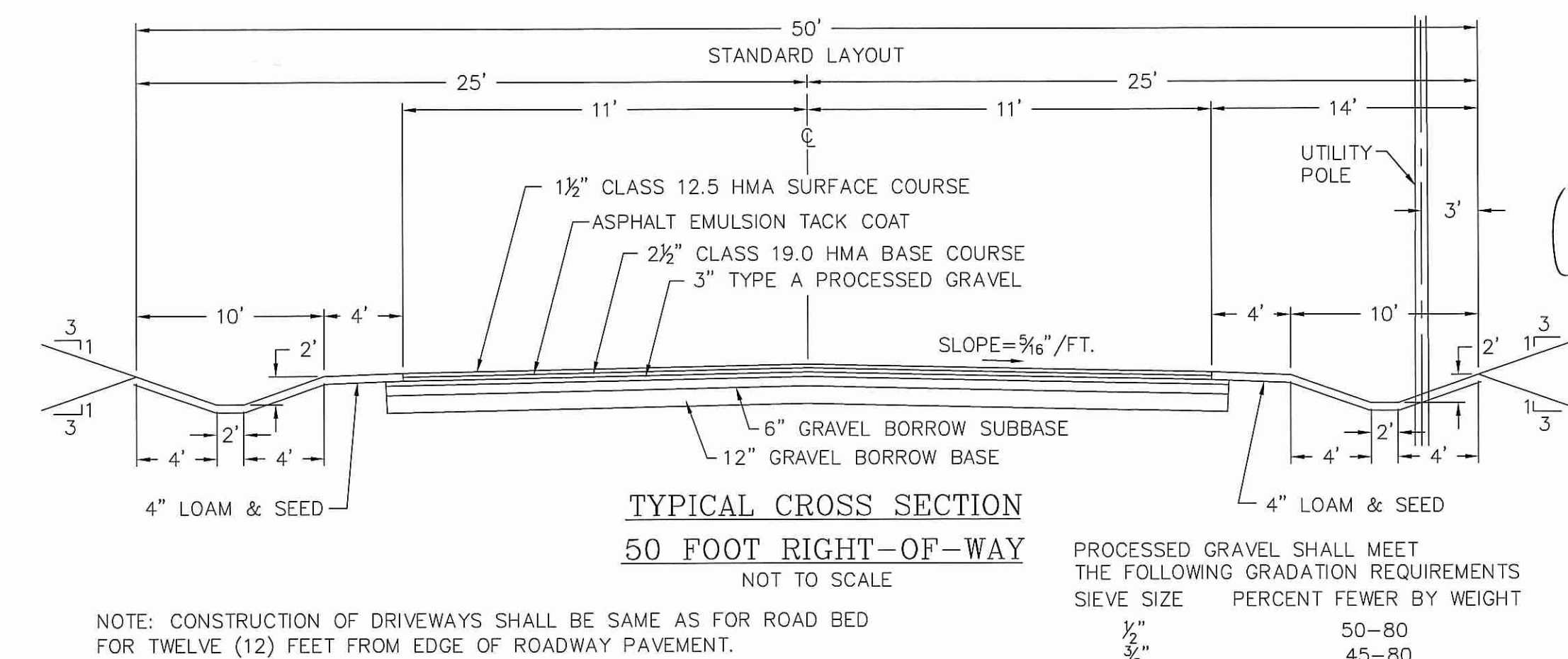


HDPE TRENCH INSTALLATION DETAIL. NOT TO SCALE.

REFERENCE ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS."

PIPE DIAMETER IN. (MM)	TRENCH WIDTH IN. (M)	PIPE DIAMETER IN. (MM)	TRENCH WIDTH IN. (M)
4 - 8 (100-200)	*	30 (750)	60 (1.5)
10 (250)	24 (0.6)	36 (900)	65 (1.7)
12 (300)	28 (0.7)	42 (1050)	84 (2.1)
15 (375)	35 (0.9)	48 (1200)	91 (2.3)
18 (450)	43 (1.1)	54 (1350)	97 (2.5)
24 (600)	56 (1.4)	60 (1500)	103 (2.6)

\* USUALLY BASED ON SMALLEST BUCKET SIZE AVAILABLE



TYPICAL CROSS SECTION 50 FOOT RIGHT-OF-WAY. NOT TO SCALE.

Steven M. Clarke  
REGISTERED PROFESSIONAL ENGINEER  
No. 447

**COMMONWEALTH**  
ENGINEERS & CONSULTANTS, INC.  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908  
401-273-6600

MAJOR SUBDIVISION  
PRELIMINARY PLAN SUBMISSION  
for  
"NIPMU III"  
A.P. 50, LOT 2  
in  
SITUATE, RHODE ISLAND  
CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO: 15 of 217  
DRAWN BY: JP DESIGN BY: JAR CHECKED BY: JAR  
DATE: 07/15/13 PROJECT NO.: 02133.01

**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908

Site Location: Nipmuc Road, Scituate RI AP 50 Lot 2 Date: April 23-25, 2013  
Project No. 02133.01 Test Hole No. DB-9 Weather Sunny, 50  
Land Use: Vacant Woodlands Slope: Varies Surface Many  
Stones:

Additional Site Notes: Subdivision Lot 9 Area

Depth from surface	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Re-Dox Features	Description & Notes
0'-4"	A	FSL	10YR3/4		
4'-28"	Bw	SL	7.5YR5/8	24"	
28"-120"	Cg	LS	10YR6/2		

Parent Material: Ablation Till Depth to Bedrock: Weeping from Face: 65"  
Standing Water in Hole: 24"  
Estimated Seasonal High Ground Water: 24"

Soil Evaluation Performed By: Thomas J. Principe, III, PE  
Percolation Test Results: 12 MPI @ 28" depth

**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908

Site Location: Nipmuc Road, Scituate RI AP 50 Lot 2 Date: April 23-25, 2013  
Project No. 02133.01 Test Hole No. DB-5 Weather Sunny, 50  
Land Use: Vacant Woodlands Slope: Varies Surface Many  
Stones:

Additional Site Notes: Subdivision Lot 5 Area

Depth from surface	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Re-Dox Features	Description & Notes
0'-4"	A	FSL	10YR3/4		
4'-24"	Bw	SL	7.5YR5/8	24"	
24'-120"	Cg	LS	10YR6/2		

Parent Material: Ablation Till Depth to Bedrock: Weeping from Face: 36"  
Standing Water in Hole: 12"  
Estimated Seasonal High Ground Water: 12"

Soil Evaluation Performed By: Thomas J. Principe, III, PE  
Percolation Test Results: 16 MPI @ 24" depth

**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**

400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908

Site Location: Nipmuc Road, Scituate RI AP 50 Lot 2 Date: April 23-25, 2013  
Project No. 02133.01 Test Hole No. DB-2 Weather Sunny, 50  
Land Use: Vacant Woodlands Slope: Varies Surface Many  
Stones:

Additional Site Notes: Subdivision Lot 2 Area

Depth from surface	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Re-Dox Features	Description & Notes
0'-4"	A	FSL	10YR3/4		
4'-25"	Bw	SL	7.5YR5/8	24"	
25'-120"	Cg	LS	10YR6/2		

Parent Material: Ablation Till Depth to Bedrock: Weeping from Face: 40"  
Standing Water in Hole: 12"  
Estimated Seasonal High Ground Water: 12"

Soil Evaluation Performed By: Thomas J. Principe, III, PE  
Percolation Test Results: 16 MPI @ 25" depth

**COMMONWEALTH ENGINEERS & CONSULTANTS, INC.**  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908

Site Location: Nipmuc Road, Scituate RI AP 50 Lot 2 Date: April 23-25, 2013  
Project No. 02133.01 Test Hole No. DB-1 Weather Sunny, 50  
Land Use: Vacant Woodlands Slope: Varies Surface Many  
Stones:

Additional Site Notes: Subdivision Lot 1 Area

Depth from surface	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Re-Dox Features	Description & Notes
0'-4"	A	FSL	10YR3/4		
4'-24"	Bw	SL	7.5YR5/8	12"	
24'-108"	Cg	LS	10YR6/2		

Parent Material: Ablation Till Depth to Bedrock: Weeping from Face: 45"  
Standing Water in Hole: 12"  
Estimated Seasonal High Ground Water: 12"

Soil Evaluation Performed By: Thomas J. Principe, III, PE  
Percolation Test Results: 15 MPI @ 24" depth

**BIORETENTION SOIL SPECIFICATIONS:**

The soil should be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances should be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The bioretention soil should be free of noxious weeds.

The bioretention system shall utilize planting soil having a composition as follows:  
Sand: 85-88%  
Soil fines: 8 to 12% (no more than 2% clay)  
Organic Matter\*: 3 to 5%  
\*Note: For bioretention applications with a soil depth of less than 4 feet, add 20% (by volume) of well aged (3 months), well aerated, leaf compost (or approved equivalent) to the above planting soil mixture. Where soil fines content is less than 12%, add a corresponding % of leaf compost.

A textural analysis is required to ensure the bioretention soil meets the specification listed above. The bioretention soil should also be tested for the following criteria:  
pH range 5.2 - 7.0  
magnesium not to exceed 32 ppm  
phosphorus P205 not to exceed 69 ppm  
potassium K20 not to exceed 78 ppm  
soluble salts not to exceed 500 ppm

All bioretention areas should have a minimum of one test. Each test should consist of both the standard soil test for pH, phosphorus, and potassium and additional tests of organic matter, and soluble salts.

Since different labs calibrate their testing equipment differently, all testing results should come from the same testing facility.

Should the pH fall out of the acceptable range, it may be modified (higher) with lime or (lower) with iron sulfate plus sulfur.

**PROJECT DRY SWALE LIMITS WILL ALL UTILIZE ADDED COMPOST AS PER NOTE ABOVE.**

**OPEN CHANNEL MAINTENANCE:**

1. OPEN CHANNEL PRACTICES INCLUDING INLET & OUTLET STRUCTURES AND FOREBAY SHALL BE INSPECTED ANNUALLY AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL TO THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT.
2. SEDIMENT BUILD-UP WITHIN THE BOTTOM OF THE CHANNEL OR FILTER STRIP SHALL BE REMOVED WHEN 25% OF THE ORIGINAL WQ VOLUME HAS BEEN EXCEEDED.
3. ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.
4. VEGETATION IN DRY SWALE SHALL BE MOWED AS REQUIRED TO MAINTAIN GRASS HEIGHT IN THE 4-6 INCH RANGE, WITH MANDATORY MOWING ONCE GRASS HEIGHTS EXCEED 10 INCHES.
5. IF THE SURFACE OF THE DRY SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE BOTTOM SHALL BE ROTOTILLED OR CULTIVATED TO BREAK UP ANY HARD-PACKED SEDIMENT AND THEN RESEEDED.

**ROADWAY SWALE NOTE:**

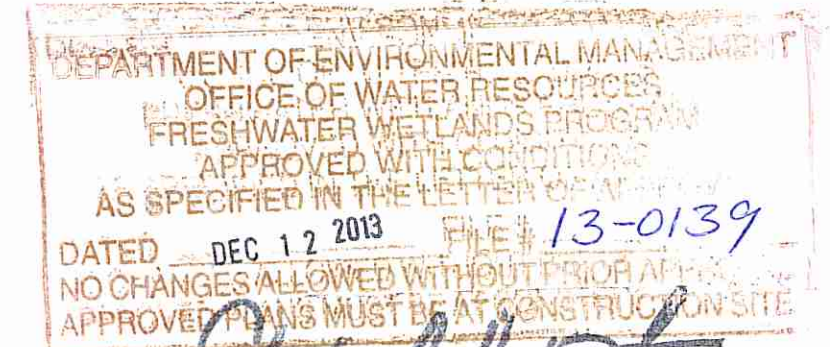
DRY SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM 0+00 TO 5+00 LEFT AND RIGHT.

WET SWALES SHALL BE INSTALLED ALONG THE ROADWAY FROM STATION 6+50 TO 14+50 LEFT AND RIGHT.

**PARTIES RESPONSIBLE FOR WET SWALE MAINTENANCE:**

ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200

OWNER/APPLICANT:  
ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200



DEC 4 2013

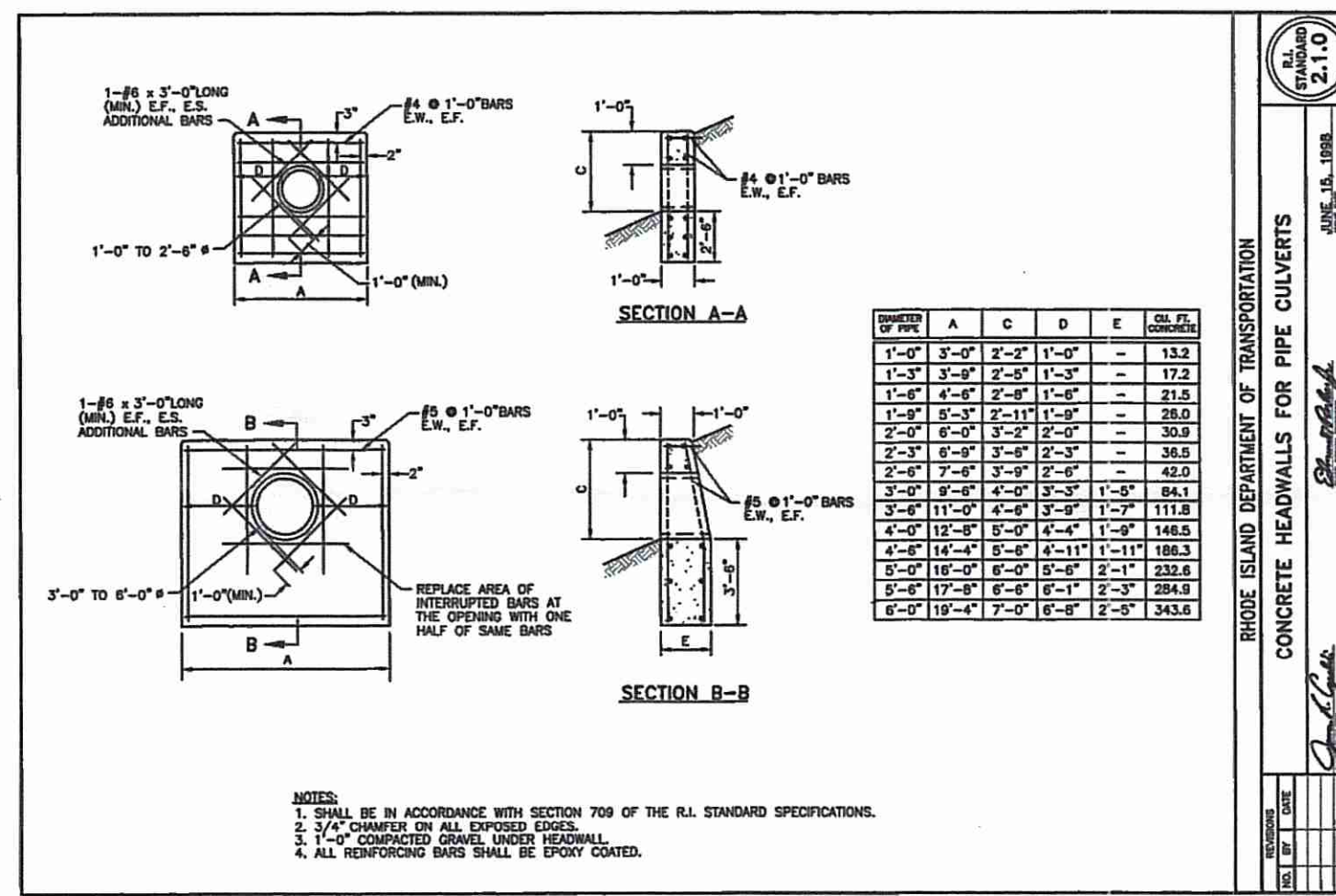
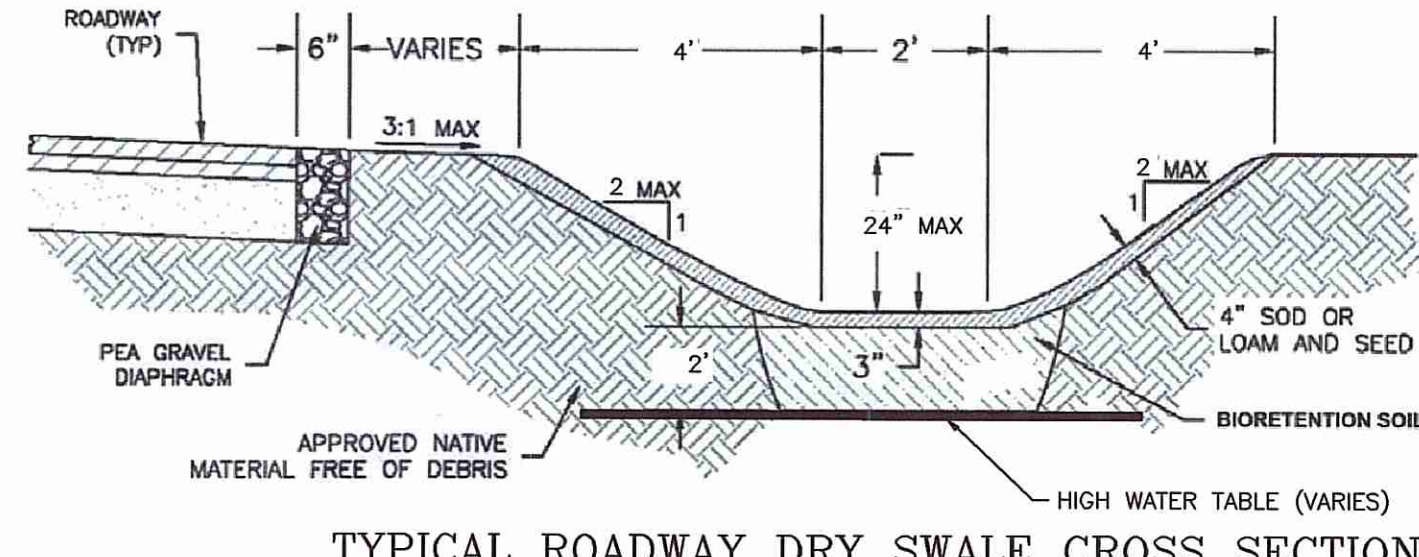
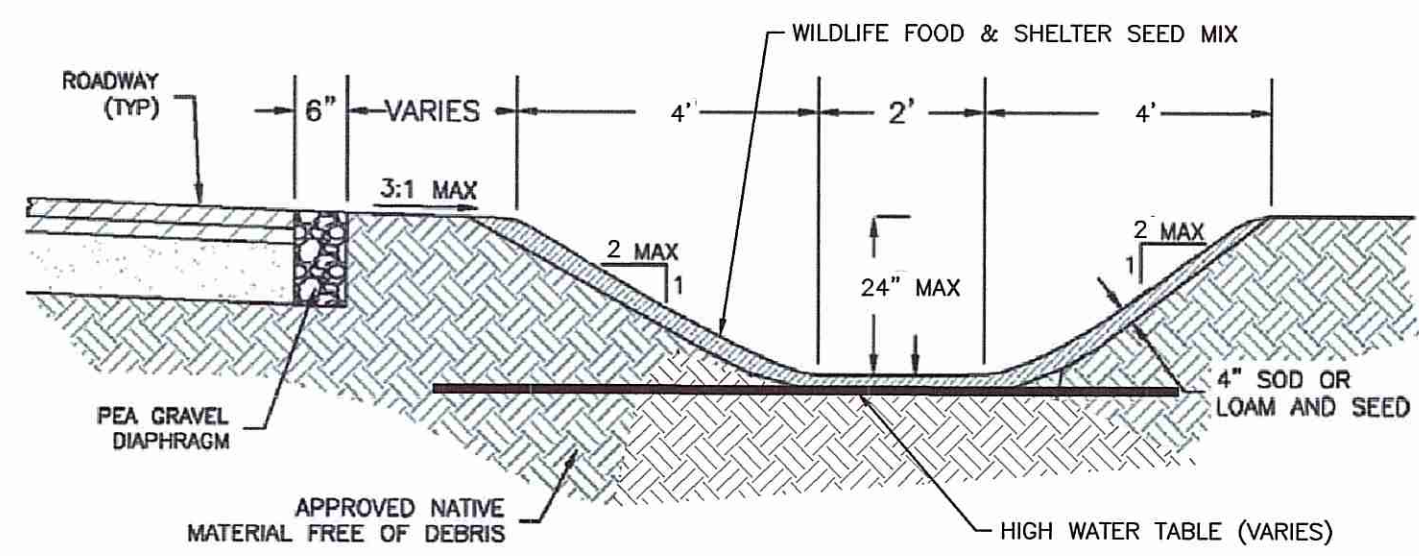


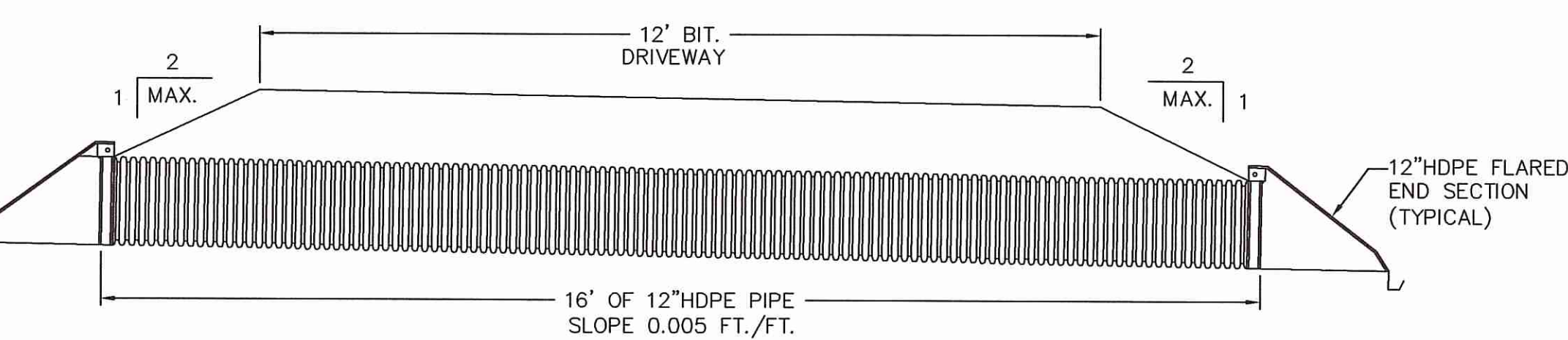
Figure D-7 Cross-section of Proposed Dry Swale



TYPICAL ROADWAY DRY SWALE CROSS SECTION



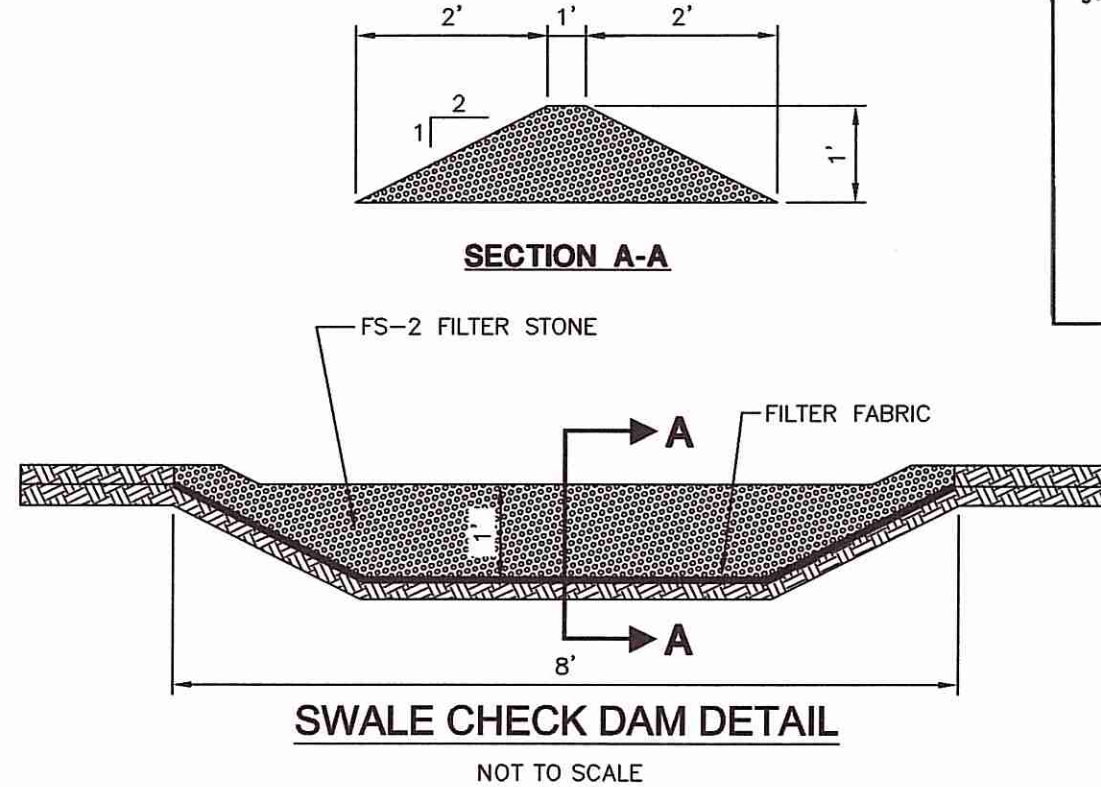
TYPICAL ROADWAY WET SWALE CROSS SECTION



TYPICAL DRIVEWAY CULVERT DETAIL

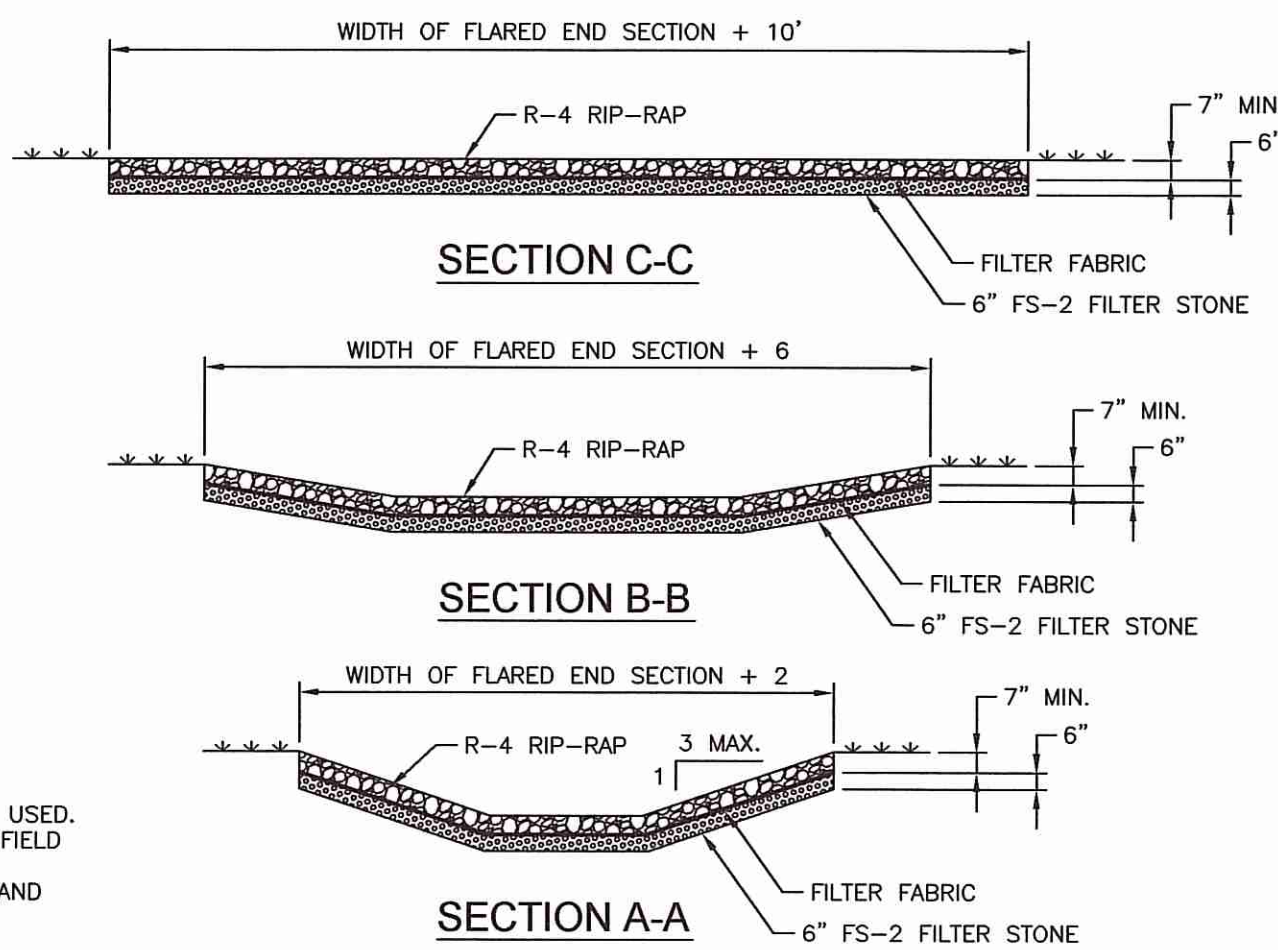
LOT 3 THROUGH LOT 12 DRIVEWAY CULVERT INVERT TABLE

LOT	INVERT IN	INVERT OUT	LOT	INVERT IN	INVERT OUT
3	529.29	529.21	8	524.20	524.12
4	522.10	522.02	9	528.00	527.92
5	517.93	517.85	10	534.18	534.10
6	519.50	519.42	11	544.12	544.04
7	519.75	519.67	12	548.13	548.05



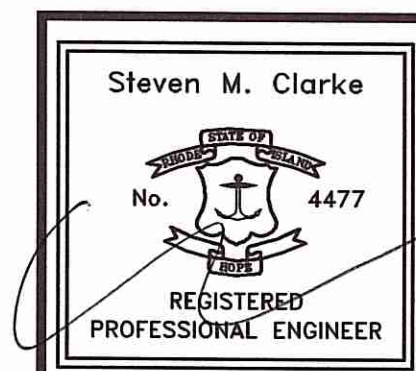
SWALE CHECK DAM DETAIL

**HEADWALL/END WALL DETAIL**  
(LOT 5 DRIVEWAY CULVERT ONLY)  
NOT TO SCALE



TYPICAL LAYOUT OF RIP-RAP OUTLET PROTECTION AT FLARED END SECTIONS

- NOTES:
1. UNLESS OTHERWISE SPECIFIED, PLACED RIP-RAP SHALL BE USED.
  2. DIMENSIONS MAY BE MODIFIED BY THE ENGINEER TO MEET FIELD CONDITIONS OR BE SHOWN OTHERWISE ON THE PLANS.
  3. PLACE A LAYER OF FILTER FABRIC BETWEEN THE RIP-RAP AND FILTER STONE.



REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/11/13	JP	JAR
3	12/3/13	KAB	JAR

MAJOR SUBDIVISION PRELIMINARY PLAN SUBMISSION for "NIPMUC III" A.P. 50, LOT 2 in SCITUATE, RHODE ISLAND CONSTRUCTION DETAILS

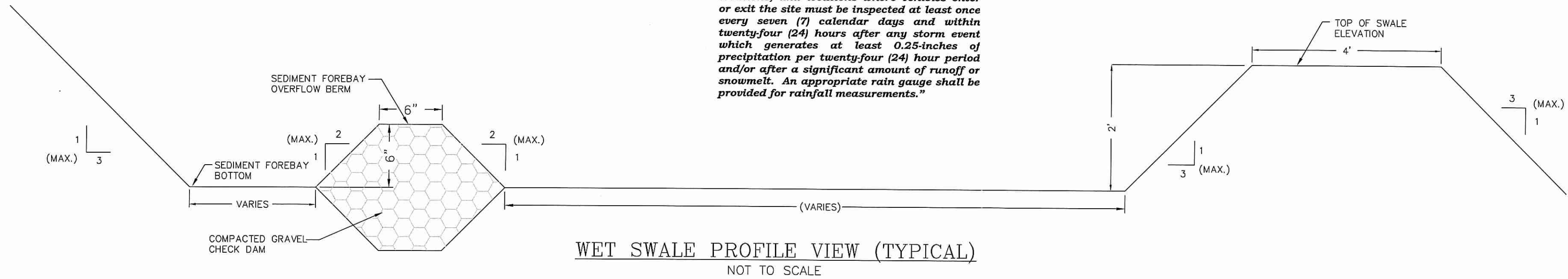
SCALE: AS NOTED SHEET NO: 16 of 21  
DRAWN BY: JP DESIGN BY: JAR CHECKED BY: JAR  
DATE: 07/15/13 PROJECT NO.: 02133.01



**Wildlife Food & Shelter Mix**

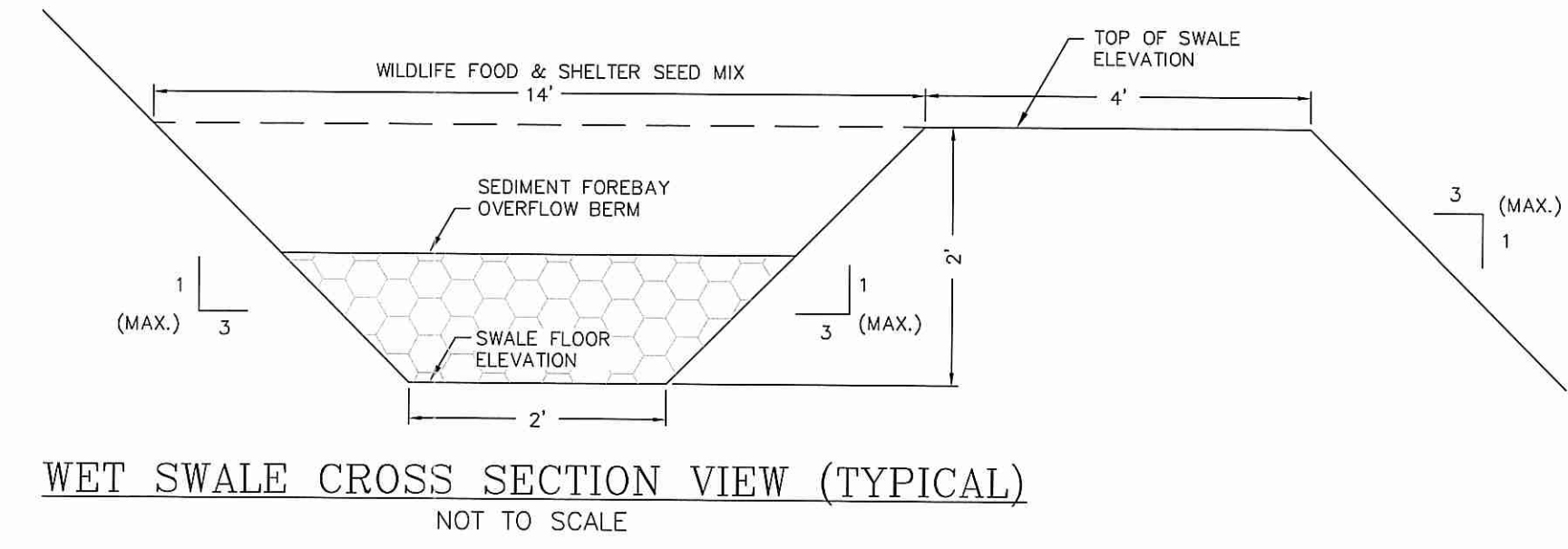
ERNDEX #	ERNDEX-198
Cost Per Pound	\$41.52
Seeding Rate	20 lb per acre, or 1/2 lb per 1,000 sq ft
Mix Type	Wet Meadow & Wetland Sites
Species List (click for details)	<ul style="list-style-type: none"> <li>25% Fox Sedge, PA Ecotype (Carex vulpinoidea, PA Ecotype)</li> <li>20% Riverbank Wildrice, PA Ecotype (Lythrum riparium, PA Ecotype)</li> <li>15% Lurel (Shallow) Sedge, PA Ecotype (Carex lurida, PA Ecotype)</li> <li>10% Redstart Dogwood, IA Ecotype (Cornus sericea (C. stolonifera), IA Ecotype)</li> <li>10% Silky Dogwood, IA Ecotype (Cornus amomum, IA Ecotype)</li> <li>5% Burreedgrass (Capillipedium occidentale)</li> <li>5% Hop Sedge, PA Ecotype (Carex lupulina, PA Ecotype)</li> <li>3% Common (Red-tail) Sedge, PA Ecotype (Carex comosa, PA Ecotype)</li> <li>2% Hiccupped Club, PA Ecotype (Arnica spicata, PA Ecotype)</li> <li>2% Arrowweed, PA Ecotype (Vallisneria spiralis, PA Ecotype)</li> <li>2% Swamp Rose, PA Ecotype (Rosa palustris, PA Ecotype)</li> <li>1% Steeplebush, PA Ecotype (Spiraea tomentosa, PA Ecotype)</li> <li>Total: 100%</li> </ul>

"All stormwater control measures, disturbed areas, areas used for the storage of materials that are exposed to precipitation (including unstabilized soil stockpiles), discharge locations, and locations where vehicles enter or exit the site must be inspected at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event which generates at least 0.25-inches of precipitation per twenty-four (24) hour period and/or after a significant amount of runoff or snowmelt. An appropriate rain gauge shall be provided for rainfall measurements."



**INDIVIDUAL LOT WET SWALE ELEVATION TABLE**

LOCATION	SWALE FLOOR	SWALE TOP	FSHWGT
1	538.0	540.0	538.0
2	543.0	544.0	543.0
3	532.0	533.0	530.5
4	529.0	530.0	529.0
5	518.0	519.0	518.0
6	508.0	509.0	507.5
7	489.0	490.0	488.67
8	499.0	500.0	499.0
9	515.0	516.0	515.0
10	529.0	530.0	529.0
11	506.0	508.0	506.0
13	546.0	547.0	545.5

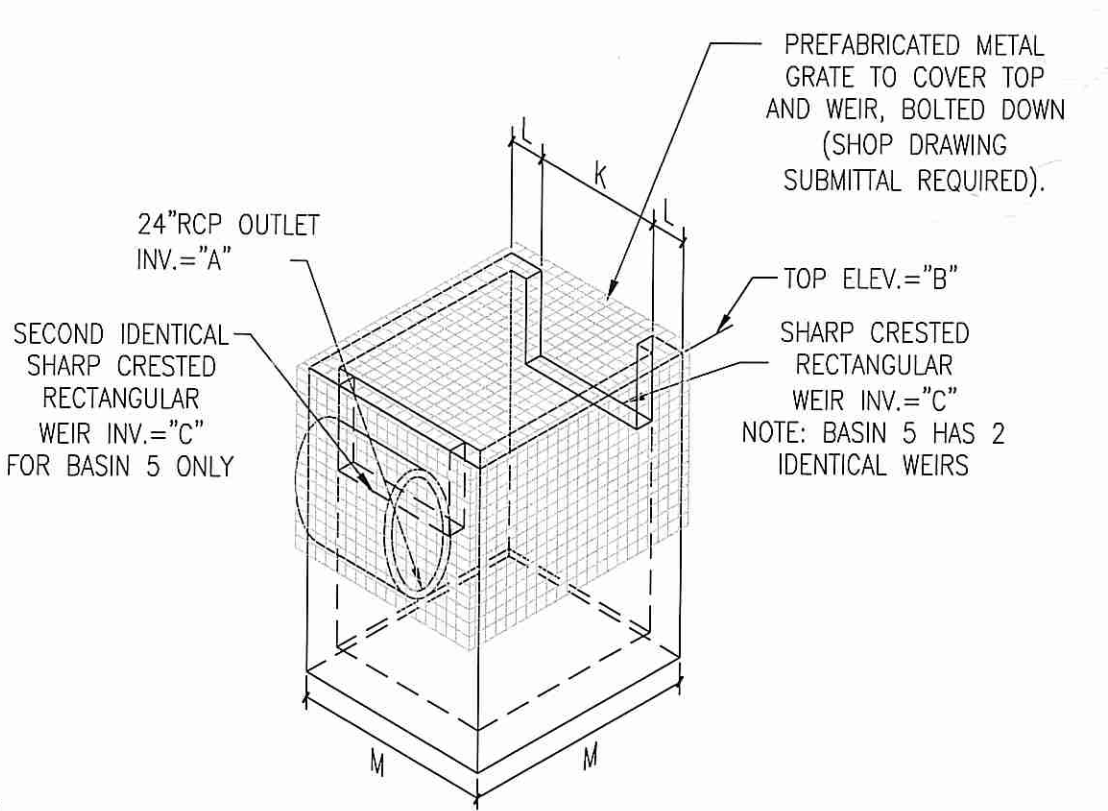
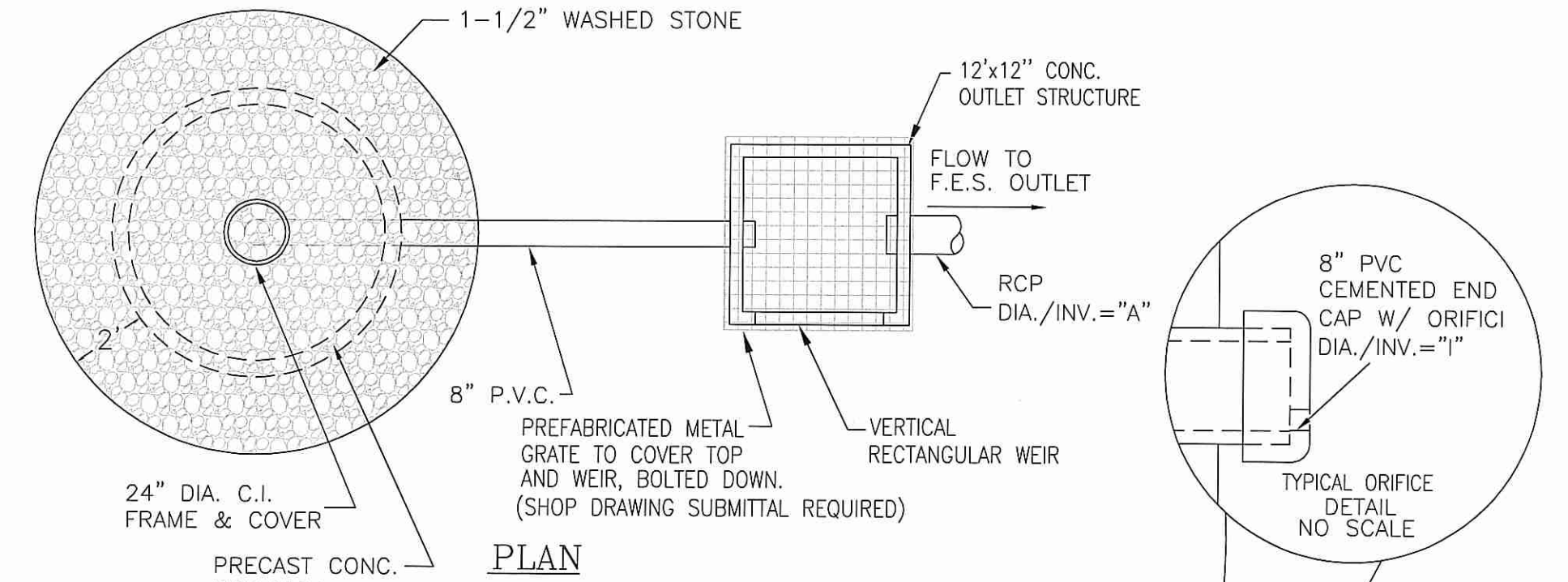


**5.7.6 Maintenance**

- Required Elements
- A legally binding and enforceable maintenance agreement shall be executed between the facility owner and the responsible authority.
  - Open channel practices shall be inspected annually and after storms of greater than or equal to the 1-year, 24-hour Type III precipitation event.
  - Sediment build-up within the bottom of the channel or filter strip shall be removed when 25% of the original WQV volume has been exceeded.
  - Eroded side slopes and channel bottoms shall be stabilized as necessary.
  - In the absence of evidence of contamination, removed debris may be taken to a landfill or other permitted facility.
  - Woody vegetation in wet swales shall be pruned where dead or dying branches are observed, and reinforcement plantings shall be planted if less than 50% of the original vegetation establishes after two years.

**PARTIES RESPONSIBLE FOR WET SWALE MAINTENANCE:**

ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200



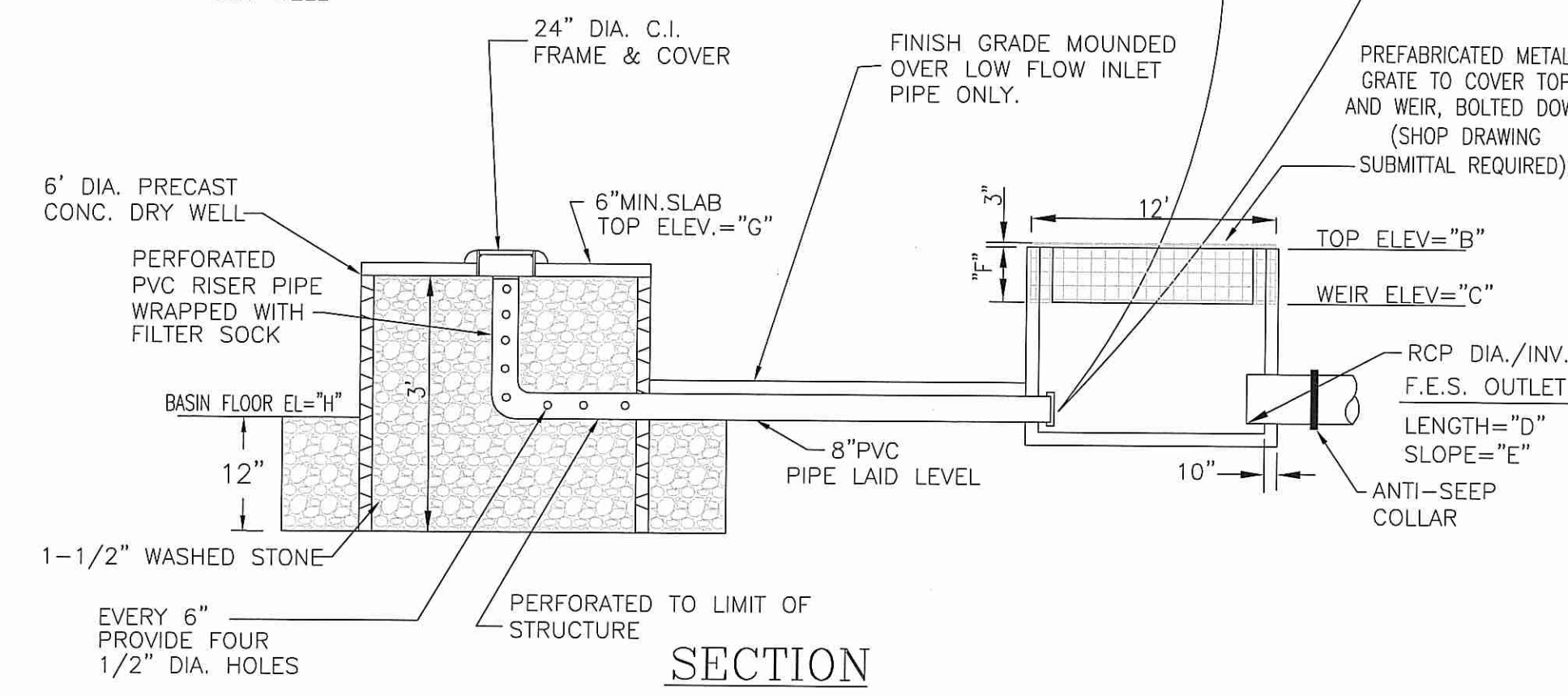
**EXTENDED DETENTION BASIN (ONLY)  
BURIED PVC GEOMEMBRANE LINER NOTES:**

PVC GEOMEMBRANE LINER FORMED OF BLACK COLORED POLYVINYL CHLORIDE PLASTIC FILM. SEAL LINER SECTIONS BY BONDING WITH MANUFACTURER'S RECOMMENDED SOLVENT WITH 6-INCH OVERLAP AT JOINTS. ANCHOR LINE IN A TRENCH AT TOP OF SLOPE. AVOID DIRECT CONTACT WITH SUNLIGHT DURING CONSTRUCTION BEFORE COVERING WITH FILL AND IN COMPLETED INSTALLATION. THE PVC GEOMEMBRANE LINER SHALL BE CAPABLE OF PROVIDING THE FOLLOWING MINIMUM PROPERTIES:

1. THICKNESS	40 MIL	ASTM D1593
2. TENSILE STRENGTH YIELD	54 LBS/IN WIDTH	ASTM D638
3. ELONGATION AT BREAK	900%	ASTM D638
4. HYDROSTATIC RESISTANCE	170 PSI	ASTM D751
5. TEAR RESISTANCE	22 LBS	ASTM D1004

**BASIN BERM MATERIAL SPECIFICATIONS:**

1. SUBBASE FOR THE PVC GEOMEMBRANE LINER SHALL CONSIST OF A MINIMUM 6" FINE SAND AGGREGATE SUBBASE PLACED IN LOOSE LIFTS, COMPACTED, TRIMMED AND FINE GRADED. MAXIMUM SIZE FOR INCLUDED STONE/GRAVEL SHALL BE 1". ALL GRAVEL INCLUSIONS THAT ARE ANGULAR OR HAVE SHARP OR CHISELED EDGES SHALL BE REMOVED.
2. BACKFILL MATERIAL FOR THE PVC GEOMEMBRANE LINER IN BERM & SIDE SLOPES SHALL BE A 12" LAYER OF FINE SAND AGGREGATE, PLACED IN LOOSE LIFTS AND COMPACTED OR CONSOLIDATED WITH A LIGHT TO MEDIUM DUTY SMOOTH DRUM OR VIBRATORY PLATE COMPACTION EQUIPMENT.
3. BACKFILL SHALL BE PLACED FROM THE BOTTOM TO THE TOP OF SLOPES.
4. A FINAL 4" LAYER OF LOAM BORROW SHALL BE PROVIDED FOR BASIN BERM AND SLOPES.



**ISOMETRIC VIEW  
EXTENDED DETENTION  
BASIN #1-2 & #5  
OUTLET STRUCTURE  
WEIR BOX DETAIL**

NOT TO SCALE (SHOP DRAWING SUBMITTAL REQUIRED)  
BOLTS UTILIZED MUST ALLOW MAINTENANCE ACCESS.

BASIN#	1-2	5
A	24"/540.5	24"/512.0
B	544.50	516.00
C	543.50	515.00
D	11.5'	25'
E	0.005'/	0.005'/
F	1'	1'
G	543.5	515.0
H	540.5	512.0
I	0.5"/540.5	3"/512.0
J	540.44	511.87
K	10.0'	2 AT 10.0'
L	1.0'	1.0'
M	12'	14'

**DETENTION BASINS 1-2 & 5  
SEDIMENT FOREBAY DETAIL**

NOT TO SCALE

**PARTIES RESPONSIBLE FOR MAINTENANCE OF BASINS & ROAD SWALES:**

TOWN OF SCITUATE PUBLIC WORKS DEPARTMENT  
1 LINCOLN CIRCLE  
SCITUATE, RHODE ISLAND 02857  
PHONE: (401)-647-3366

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS DIVISION  
APPROVED WITH COMMENTS  
AS SPECIFIED IN THE LETTER  
DATED DEC 12 2013 FILE # 13-0139  
NO CHANGES ALLOWED WITHOUT PERMIT  
APPROVED PLANS MUST BE AT CONSULTANT'S RISK

Charles A. Harbit

OWNER/APPLICANT:  
ANNESE CONSTRUCTION, INC.  
175 HINES FARM ROAD  
CRANSTON, RHODE ISLAND 02921  
PHONE: (401)-946-4200

Steven M. Clarke  
REGISTERED PROFESSIONAL ENGINEER  
No. 4477

COMMONWEALTH ENGINEERS & CONSULTANTS, INC.  
400 SMITH STREET  
PROVIDENCE, RHODE ISLAND 02908  
401-273-6600

REVISIONS

No.	DATE	DRWN	CHKD
1	8/9/13	JP	JAR
2	11/1/13	JP	JAR

MAJOR SUBDIVISION  
PRELIMINARY PLAN SUBMISSION  
for  
"NIPMUC II"  
A.P. 50, LOT 2  
in  
SCITUATE, RHODE ISLAND  
CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO: 17 of 217  
DRAWN BY: JP DESIGN BY: JAR CHECKED BY: JAR  
DATE: 07/15/13 PROJECT NO.: 02133.01

P:\02000\02133.01\Drawings\Current\Drawings\02133.01\NIPMUC II\02133-01\NIPMUC II\WETLANDS DETAILS REV 10-17-13.dwg