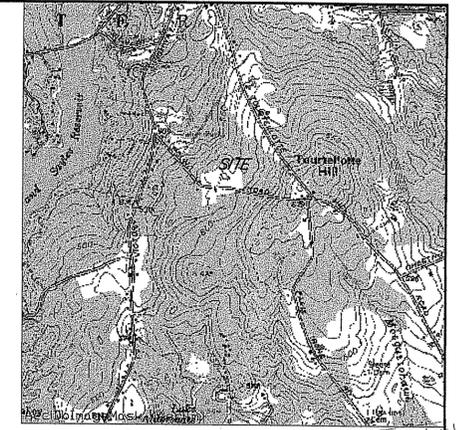


REFERENCES:

1. DEED: L.E. 62, Pg. 446; LOTS 99 & 111
2. DEED: L.E. 111, Pg. 238; LOT 190
3. RECORDED PLAT: "PLAN OF THE RELOCATION OF A BOUNDARY LINE PREPARED FOR JOYCE A. SULLIVAN...DEC. 6, 1995...ROBERT OLIVER JR..."
4. RECORDED PLAT: "PLAN OF LAND SITUATED IN GLOCESTER RHODE ISLAND BY JOHN J. DOLAN NOV 1987..."
5. UNRECORDED PLAN: "MAP OF DAVIS FARM IN TOWN OF GLOCESTER OWNED BY MARGARET M. SEAGRAVE SURVEYED FOR SALE TO GREGORY B. ZEITLIN ET UX...JULY 1967 ALANSON ST JOHN HALL..."
6. RECORDED PLAN "MAP OF LAND IN THE TOWN OF GLOCESTER OWNED BY GREGORY B. ZEITLIN SURVEYED FOR SALE OCTOBER 1977...ALANSON ST JOHN HALL..."

FLOOD NOTE:

THE ENTIRE PARCEL FALL WITHIN ZONE 'X', AREA DETERMINED TO BE OUTSIDE 500 YEAR FLOOD PLAIN, PER FEMA FIRM COMMUNITY 440034, PANEL 0010 C, REVISED: 3/3/92.



LOCUS 1"=2000'

LEGEND

- EXISTING STONE WALL
- - - EXISTING EDGE OF PAVEMENT
- - - EXISTING TRAIL
- EXISTING IRON ROD
- SET DRILL HOLE
- EXISTING DRILL HOLE
- ⊙ EXISTING IRON PIPE
- ⊙ SET IRON ROD

PARCEL ZONING

A4 (AGRICULTURAL)	4 ACRES
MINIMUM LOT SIZE	350'
MINIMUM FRONTAGE	75'
FRONT YARD	50'
SIDE YARD	100'
REAR YARD	4%
MAX. COVERAGE	35'
MAX. HEIGHT	

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 16 2009 FILE # 08-0271
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT THE LOCATION SITE



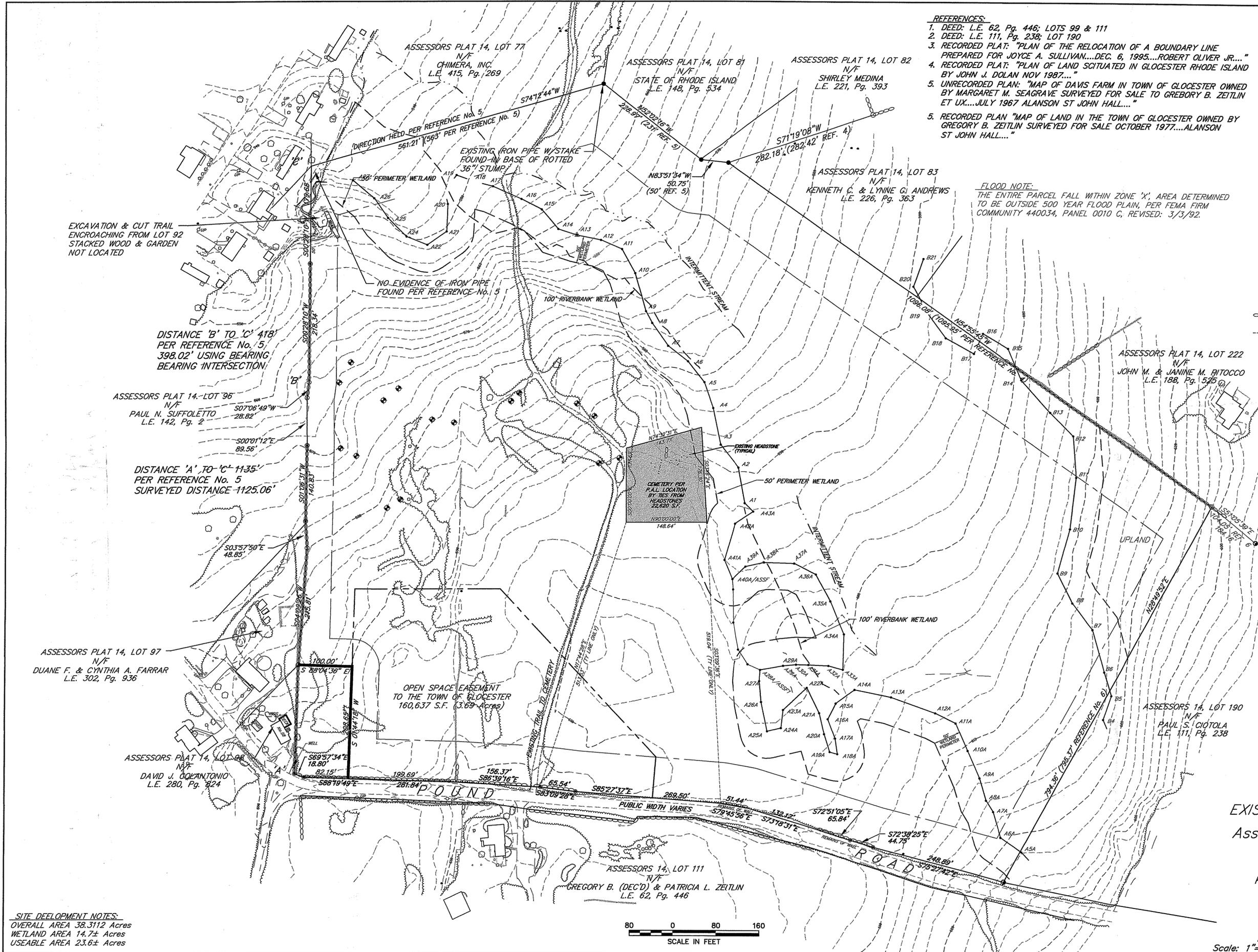
THIS SURVEY AND PLAN CONFORM TO A CLASS "II" STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
By: *H. Miller*
HARRY A. MILLER, JR. PLS No. 1967

**COUNTRY MEADOW
EXISTING CONDITIONS PLAN
Assessors Plat 14, Lot 99**

In:
Glocester, Rhode Island
for:
KEVIN LAVOIE & MARK BARD

prepared by:
Alpha Associates, Ltd.
35 Rocky Hollow Road
East Greenwich, RI 02818
T.401.884.8506 F.401.884.7747

Scale: 1"=80' November, 2008 Sheet 1 of 4



EXCAVATION & CUT TRAIL ENCROACHING FROM LOT 92 STACKED WOOD & GARDEN NOT LOCATED

DISTANCE 'B' TO 'C' 418' PER REFERENCE No. 5 398.02' USING BEARING BEARING INTERSECTION

ASSESSORS PLAT 14 - LOT 96 N/F PAUL N. SUFFOLETTO L.E. 142, Pg. 2

DISTANCE 'A' TO 'C' 1135' PER REFERENCE No. 5 SURVEYED DISTANCE 1125.06'

ASSESSORS PLAT 14, LOT 97 N/F DUANE F. & CYNTHIA A. FARRAR L.E. 302, Pg. 936

ASSESSORS PLAT 14, LOT 98 N/F DAVID J. DOMANTONIO L.E. 280, Pg. 824

OPEN SPACE EASEMENT TO THE TOWN OF GLOCESTER 160,637 S.F. (3.69 Acres)

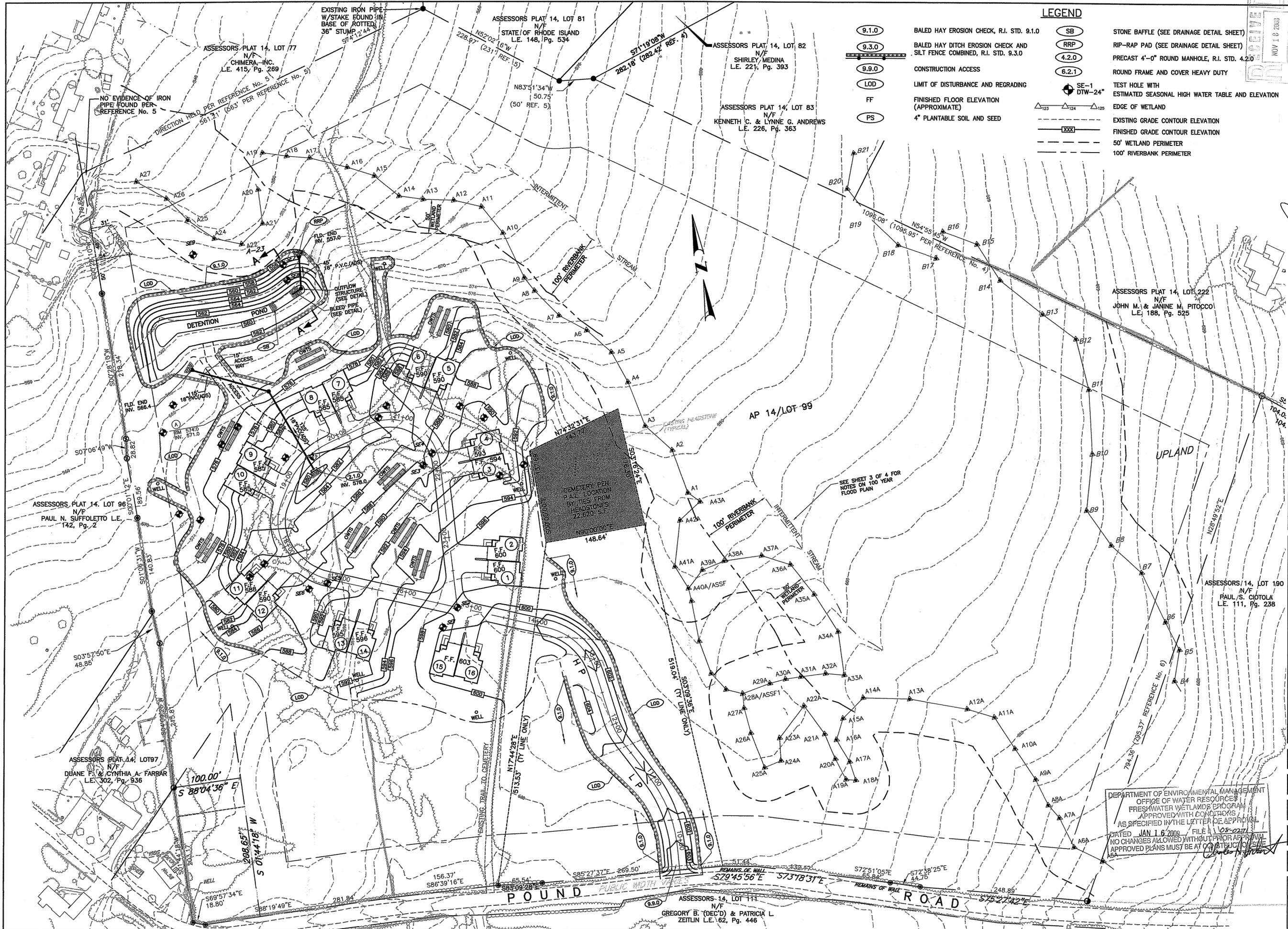
CEMETERY PER P.L.L. LOCATION BY TIES FROM HEADSTONES 12,620 S.F. 148.64'

ASSESSORS 14, LOT 111 N/F GREGORY B. (DEC'D) & PATRICIA L. ZEITLIN L.E. 62, Pg. 446



SITE DEVELOPMENT NOTES:
OVERALL AREA 38.3112 Acres
WETLAND AREA 14.7± Acres
USEABLE AREA 23.6± Acres

FILE: C:\DW\WORK\2008\11\27\152 ALU\USERS\DAVID\STANDARD SIZE\DWG\152.DWG



LEGEND

- 9.1.0 BALED HAY EROSION CHECK, R.I. STD. 9.1.0
- 9.3.0 BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED, R.I. STD. 9.3.0
- 9.9.0 CONSTRUCTION ACCESS
- LOD LIMIT OF DISTURBANCE AND REGRADING
- FF FINISHED FLOOR ELEVATION (APPROXIMATE)
- PS 4" PLANTABLE SOIL AND SEED
- SB STONE BAFFLE (SEE DRAINAGE DETAIL SHEET)
- RRP RIP-RAP PAD (SEE DRAINAGE DETAIL SHEET)
- 4.2.0 PRECAST 4'-0" ROUND MANHOLE, R.I. STD. 4.2.0
- 6.2.1 ROUND FRAME AND COVER HEAVY DUTY
- SE-1 DTW-24" TEST HOLE WITH ESTIMATED SEASONAL HIGH WATER TABLE AND ELEVATION
- EDGE OF WETLAND
- EXISTING GRADE CONTOUR ELEVATION
- FINISHED GRADE CONTOUR ELEVATION
- 50' WETLAND PERIMETER
- 100' RIVERBANK PERIMETER

PROJECT
COUNTRY MEADOWS CONDOMINIUMS
 ASSESSOR'S PLAT 14, LOT 99
 GLOUCESTER, RHODE ISLAND

TODD A. RAVENELLE
 REGISTERED PROFESSIONAL ENGINEER
 NO. 5895

CLIENT
ALPHA ASSOCIATES
 Gordon R. Archibald, Inc.
 Professional Engineers
 200 Main Street
 Pawtucket, RI

DRAWING TITLE				
SITE PLAN				
NO.	DATE	REVISIONS	BY	TAR
1	11/13/08	BIDEN_REVISION COMMENTS		

PROJECT NO.: 1153
 DATE: NOVEMBER 2008
 SCALE: 1"=60'
 DRAWN BY: LBD
 CHECKED BY: TAR
 DRAWING NUMBER
2
 SHEET 2 OF 4

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 16 2009 FILE # 108-0271
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT THE OFFICE OF THE ENGINEER

PROFESSIONAL ENGINEER, LICENSE NO. 5895, TOWN OF GLOUCESTER, RHODE ISLAND, CIVIL ENGINEERING, 11/13/08

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE RHODE ISLAND STANDARD SPECIFICATION AND DETAILS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, THE CURRENT TOWN OF WEST GREENWICH SPECIFICATIONS & STANDARDS AND THE RI. STORMWATER DESIGN AND INSTALLATION STANDARDS.
- THE DETENTION BASIN SHALL BE SEED WITH EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC. OF 820 WEST STREET, AMHERST, MASSACHUSETTS. THIS SEED CONTAINS THE FOLLOWING SPECIES: SWITCH GRASS (PANICUM VIRGATUM), VIRGINIA WILD RYE (ELYMUS VIRGINICUS), CREeping RED FESCUE (FESTUCA RUBRA), FOX GLOVE (CAREX VULPINOIDEA), CREEPING BENT GRASS (AGROSTIS STOLONIFERA), SOUTHERN RUSH (JUNCUS EFFUSUS), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), GRASS-LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), NODDING BUR MARIGOLD (BIDENS CERNUA), GREEN BURLUSH (SCIRPUS ATROVIRENS), JOE-PYE WEED (EUPATORIUM MACULATUM), BONESET (EUPATORIUM PERFORIATUM), AND BLUE VERVAIN (VERBENA HASTATA).
- BASIN SEED MIX SHALL BE APPLIED BY HYDROSEEDING, BY MECHANICAL SPREADER, OR ON SMALL SITES IT CAN BE SPREAD BY HAND. WHEN APPLYING ON BARE SOIL, RAKE THE SOIL TO CREATE GROOVES, APPLY SEED, THEN LIGHTLY RAKE OVER. THE SEED SHALL BE APPLIED IN THE SPRING OR EARLY FALL. SEED SHALL BE APPLIED AT A RATE OF 35 LBS/ACRE (1245 SQUARE FEET PER POUND).
- ALL DISTURBED AREAS SHALL BE RE-SEED. PERMANENT SEEDING SHALL BE RESIDENTIAL SEED MIX, PARK MIX OR SLOPE MIX IN ACCORDANCE WITH THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. RESIDENTIAL SEED MIX SHALL BE USED WITH 4-INCHES OF LOAM IN AREAS ADJACENT TO LAWN AREAS OR SIDEWALKS, OR AREAS TO BE MAINTAINED. PARK MIX SHALL BE USED WITH 4-INCHES OF PLANTABLE SOIL WITHIN FLAT AREAS NOT TO BE MAINTAINED. SLOPE MIX SHALL BE USED WITH 4-INCHES OF PLANTABLE SOIL ON SLOPES GREATER THAN 3:1.
- THE CONTRACTOR SHALL LEGALLY DISPOSE OF TREES, BRUSH, SHRUBS, STUMPS, OR OTHER PERISHABLES AT APPROVED LOCATIONS OFF THE PROJECT SITE.
- THE CONTRACTOR SHALL DISPOSE OF BOULDERS BY REMOVING OFF THE PROJECT SITE, PLACING FOR USE IN EMBANKMENTS, OR PLACING FOR USE IN FINAL LANDSCAPING.
- ALL PIPES SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) N-12 ST IB AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEM (ADS), UNLESS DESIGNATED AS DUCTILE (D.I.) PIPE. DUCTILE IRON PIPE SHALL BE TYTON JOINT PIPE, 350 PSI MEETING ANSI/AWWA C151/A21.5 OR APPROVED EQUAL.
- UNSUITABLE MATERIALS SHALL BE REMOVED FROM BELOW ALL PIPING, ROADWAYS, UTILITIES, STRUCTURES, AND CHANNELS.

STORM WATER SYSTEM MAINTENANCE NOTES:

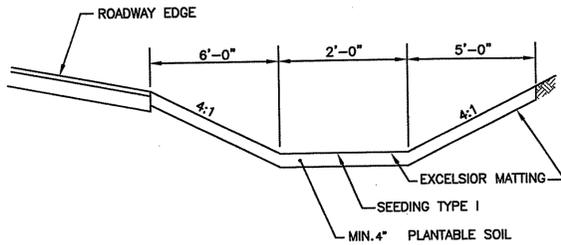
- SEDIMENTS SHALL BE REMOVED FROM THE BASIN AFTER THE FIRST YEAR OF OPERATION, AND THEN EVERY TEN (10) YEARS THEREAFTER, OR MORE FREQUENTLY IF SEDIMENTS EXCEEDS THREE (3) INCHES DEPTH.
- MEASURE DEPTH OF ACCUMULATED SILT AND SEDIMENT ON THE BOTTOM OF THE BASIN ANNUALLY.
- SIDESLOPES AND EMBANKMENTS ON THE UPPER STAGE OF THE BASINS SHALL BE MOWED AT LEAST TWICE PER GROWING SEASON, TO PREVENT THE GROWTH OF WOODY VEGETATION. ALL TRASH AND LITTER SHALL BE REMOVED DURING THE MOWING OPERATIONS.
- THE OUTLET CONTROL STRUCTURE AND ALL OUTFLOW CHANNELS SHALL BE INSPECTED ANNUALLY.
- EXTENDED DETENTION DEVICES SHALL BE INSPECTED AT LEAST TWICE PER YEAR.
- ALL RIPRAP AREAS SHALL BE REPAIRED IMMEDIATELY, AND VEGETATIVE GROWTH SHALL BE REMOVED FROM THESE AREAS.
- DURING THE FIRST SIX (6) MONTHS OF OPERATION, INSPECTIONS SHALL BE ACCOMPLISHED IN EACH BASIN AFTER EVERY RAINFALL EVENT, TO CHECK FOR CLOGGING OR, CONVERSELY, TOO RAPID A RELEASE. FOLLOWING THE FIRST SIX (6) MONTHS, INSPECTIONS SHALL BE CONDUCTED, AT MINIMUM, ANNUALLY.
- IF STANDING WATER IS OBSERVED WITHIN ANY OF THE BASINS MORE THAN THREE (3) DAYS AFTER A RAINFALL, THEN FAILURE OF THE BASIN HAS OCCURRED AND SHALL BE ADDRESSED THROUGH REPAIR OR REPLACEMENT.
- UPON COMPLETION OF CONSTRUCTION AND STABILIZATION OF THE SURFACE COVER, THE CATCH BASINS, MANHOLES AND PIPE SYSTEM SHALL BE FLUSHED AND CLEANED, AND SEDIMENT DIPOSED
- SEDIMENT SHALL BE REMOVED FROM CATCH BASINS, MANHOLES, AND PIPE SYSTEMS AFTER THE FIRST 6 MONTHS OF OPERATIONS, AND THEN EVERY TWO (2) YEARS THEREAFTER, OR MORE FREQUENTLY IF SEDIMENT EXCEEDS 2 FEET OF DEPTH WITHIN ANY CATCH BASIN.
- ALL REMOVED SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS IN COMPLIANCE WITH LOCAL STATE, AND FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE, AND REPAIR TO ALL DRAINAGE STRUCTURES AND BASINS, AND RELATED APPURTENANCES ON THE SITE DURING CONSTRUCTION AND FOR ONE YEAR ACCEPTANCE BY THE TOWN OF GLOUCESTER.
- THE LONG TERM MAINTENANCE RESPONSIBILITIES FOR ALL CLOSED DRAINAGE ON THE NEW ACCESS ROAD, THE EXTENDED DETENTION BASINS AND ALL ASSOCIATED APPURTENANCES, AS WELL AS ALL OTHER DRAINAGE DEVICES SHOWN AS PART OF THE PROPOSED DEVELOPMENT, SHALL BE THE RESPONSIBILITY OF THE OWNER.
- ANY DEFICIENCIES NOTED DURING AN INSPECTION SHALL BE REPAIRED OR REPLACED WITHIN 30 DAYS OF THE DEFICIENCY REPORT. IF AN EMERGENCY SITUATION IS IMMINENT THEN REPAIR MUST BE MADE IMMEDIATELY.
- DRAINAGE CULVERTS, INFLOWS AND OUTFLOWS, SHALL BE INSPECTED EVERY 6 MONTHS TO REMOVE SEDIMENT, TRASH, AND DEBRIS; TO CLEAR VEGETATION, INSPECT FOR DAMAGES, AND TO REPAIR RIPRAP PADS.

EROSION AND SEDIMENT CONTROL:

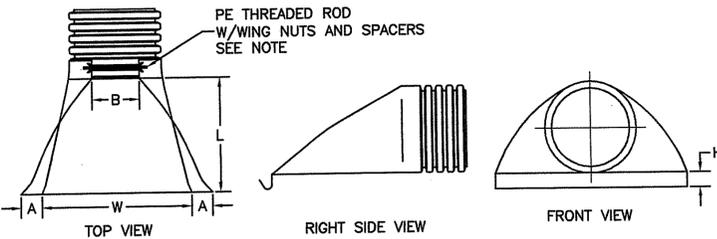
- SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. SEDIMENTATION DEVICES SHALL BE FURNISHED, INSTALLED AND MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL PREVENT THE DISCHARGE AND MIGRATION OF SEDIMENT FOR THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DEWATERING OPERATION DISCHARGES.
- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15TH SHALL BE SEED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
- TEMPORARY TREATMENT OF EXPOSED SURFACES SHALL CONSIST OF HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE MESH, FIBERGLASS NETTING, EXCELSIOR MATTING).
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 -4,000 LBS./ACRE.
- ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING MAY BE USED TO MINIMIZE EROSION.
- THE CONTRACTOR MUST REPAIR AND/OR RE-SEED ANY AREA THAT DOES NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES APRIL 1ST - OCTOBER 15TH.
- SLOPE SURFACES 3:1 OR STEEPER WHICH ARE DISTRIBUTED DURING CONSTRUCTION SHALL BE COVERED WITH JUTE MESH OR EXCELSIOR MATTING TO AID IN STABILIZING THE SLOPES AND PREVENTING EROSION.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY BY THE CONTRACTOR.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL CLEAN AND FLUSH ALL CATCH BASINS, PUMPING SYSTEMS AND DISCHARGE STRUCTURES CONTAINING SEDIMENT.
- BALED HAY EROSION CHECKS SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS TO TRAP SEDIMENT FROM ENTERING THE SYSTEM. CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE ADJUTING GROUND SURFACES ARE STABILIZED.
- WHERE BALED HAY EROSION CHECKS AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF WORK AT THAT SITE OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.
- REFERENCE THE RI. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, 1989, AS A GUIDE.

FLOOD NOTES

- THE FEMA INSURANCE MAP FOR THIS LOCATION IS FLOOD INSURANCE RATE MAP, TOWN OF GLOUCESTER, RHODE ISLAND COMMUNITY-PANEL NUMBER 4400340010 C, MAP REVISED: MARCH 3, 1992.
- THE FEMA MAPPING DOES NOT PROVIDE SUFFICIENT DETAIL REGARDING THE 100-YEAR FLOOD PLAIN LINE AND ELEVATION FOR THE ON-SITE STREAM DELINEATED ON THE PLANS. HOWEVER, BY DEFINITION(S) PROVIDED IN THE RHODE ISLAND FRESHWATER WETLAND RULES, ALL STREAMS/RIVERS/FLOWING BODIES OF WATER HAVE 100-YEAR FLOOD PLAIN ASSOCIATED WITH THEM. AN ENGINEERING ASSESSMENT HAS BEEN CONDUCTED FOR THIS SITE AND IT WAS DETERMINED THAT THE PROPOSED SITE IMPROVEMENTS SHOWN ON THIS PLAN SHEET ARE ASSOCIATED WITH THE UNNAMED STREAM SHOWN ON THE EASTERLY SIDE OF THE DEVELOPMENT OF A.P. 14, LOT 99. THE PROPOSED DEVELOPMENT WILL NOT IMPACT THE FLOOD PLAIN.
- THE FLOODPLAIN ANALYSIS IS PROVIDED IN THE DOCUMENT ENTITLED "SUPPORTING DOCUMENTATION AND DRAINAGE DESIGN ANALYSIS FOR POUND ROAD ASSESSOR'S PLAT 14 LOT 99, DATED NOVEMBER 2008, PREPARED BY GORDON R. ARCHIBALD, INC. FOR RIDEM APPLICATION NO. 08-0271.



SEEDING TYPE I
N.T.S.

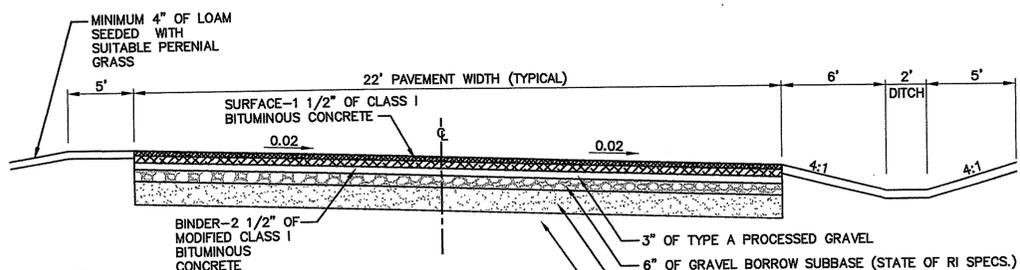


PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 in (300 mm)	6.50 in (165 mm)	10.00 in (254 mm)	6.50 in (165 mm)	25.00 in (635 mm)	29.00 in (737 mm)
1510NP	15 in (375 mm)	6.50 in (165 mm)	10.00 in (254 mm)	6.50 in (165 mm)	25.00 in (635 mm)	29.00 in (737 mm)
1810NP	18 in (450 mm)	7.50 in (191 mm)	15.00 in (381 mm)	6.50 in (165 mm)	32.00 in (813 mm)	35.00 in (889 mm)

NOTES:

- PE THREADED ROD W/WING NUTS PROVIDED FOR END SECTIONS 12"-24", 30" & 36" END SECTIONS REQUIRE TWO(2) THREADED RODS FOR ASSEMBLY.
- MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. OR APPROVED EQUAL.

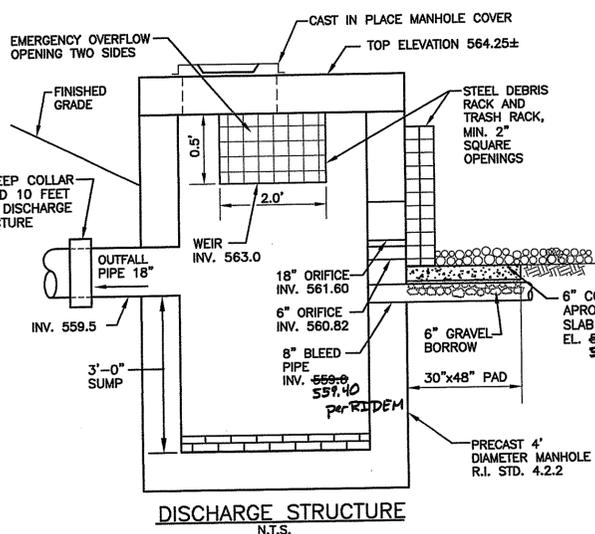
FLARED END SECTION
N.T.S.



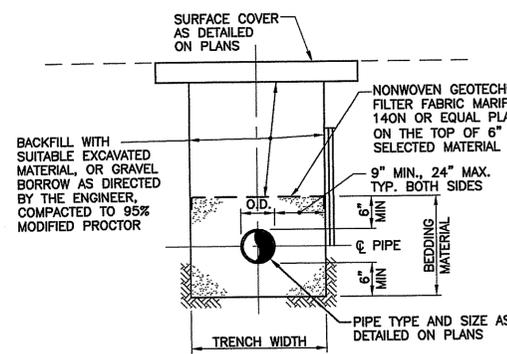
NOTES:

- 30" WIDE ROAD BED SHOULD BE GRADED TO A LEVEL AT LEAST TWO (2) FEET BELOW THE FINAL GRADE.
- ALL FIVE (5) COURSES SHALL BE SEPARATELY ROLLED WITH A SELF-PROPELLED ROLLER OF MINIMUM TEN-TON WEIGHT.

STREET CROSS-SECTION
NOT TO SCALE



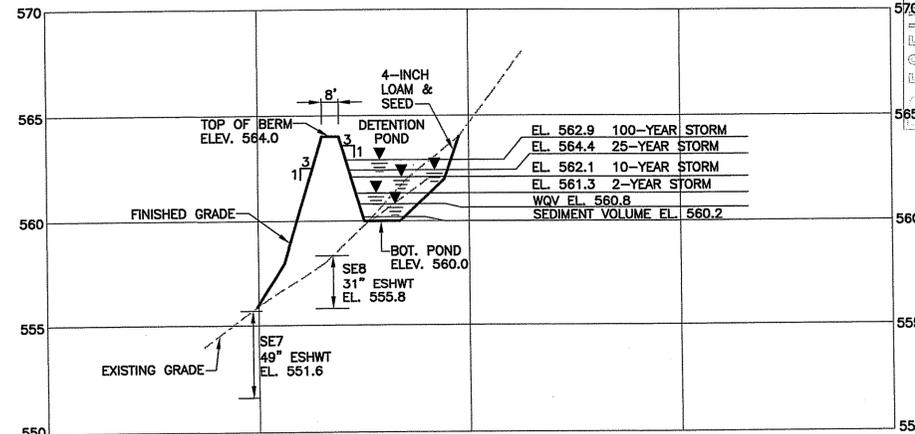
DISCHARGE STRUCTURE
N.T.S.



NOTES:

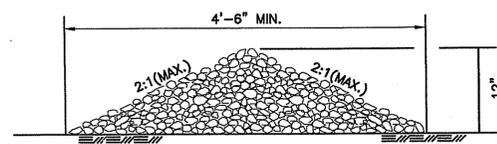
- BEDDING MATERIAL FOR PIPE SHALL CONFORM TO M.01.04 OF THE RIDOT STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE AND IS RESPONSIBLE FOR REPAIR OF ALL UTILITIES DAMAGED OUTSIDE THE LIMIT OF DISTURBANCE.

TYPICAL TRENCH DETAIL FOR DRAINAGE
NOT TO SCALE



DETENTION POND SECTION A-A

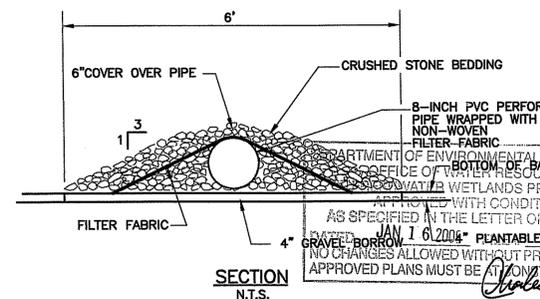
HORIZONTAL SCALE 1"=40'
VERTICAL SCALE 1"=4'



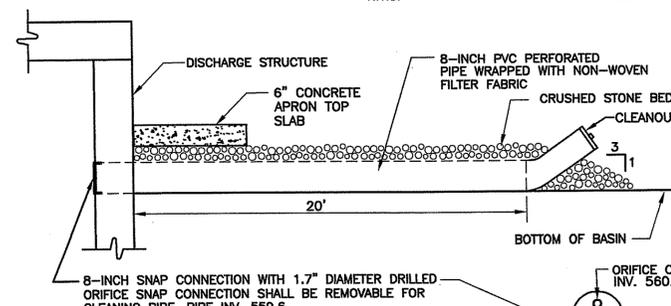
STONE BAFFLE
N.T.S.

NOTES:

- STONE SHALL MEET THE REQUIREMENTS FOR CRUSHED STONE IN SECTION M.01 BORROW AND AGGREGATES OF THE RIDOT STANDARD SPECIFICATION OR CONSIST ENTIRELY OF 2"-3" STONE.
- HAND OR MECHANICAL PLACEMENT WILL BE NECESSARY TO CONSTRUCT BAFFLE.
- LENGTH OF STONE BAFFLE VARIES. LENGTH MAY VARY TO MEET FIELD CONDITIONS.



SECTION
N.T.S.



LONGITUDINAL SECTION
N.T.S.

BLEED PIPE DETAILS
N.T.S.

PROJECT
COUNTRY MEADOWS CONDOMINIUMS
ASSESSOR'S PLAT 14, LOT 99
GLOUCESTER, RHODE ISLAND

TODD A. RAVENELLE
REGISTERED PROFESSIONAL ENGINEER
No. 5928

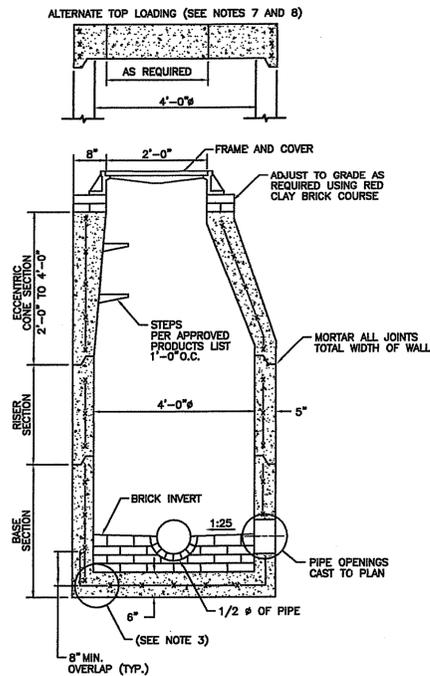
CLIENT
ALPHA ASSOCIATES

Gordon R. Archibald, Inc.
Professional Engineers
200 Main Street
Pawtucket, RI

DRAWING TITLE
NOTES AND DETAILS 1

NO. DATE BY REVISIONS COMMENTS

PROJECT NO.: 1153
DATE: NOVEMBER 2008
SCALE: 1"=60'
DRAWN BY: LBD
CHECKED BY: TAR
DRAWING NUMBER
3
SHEET 3 OF 4

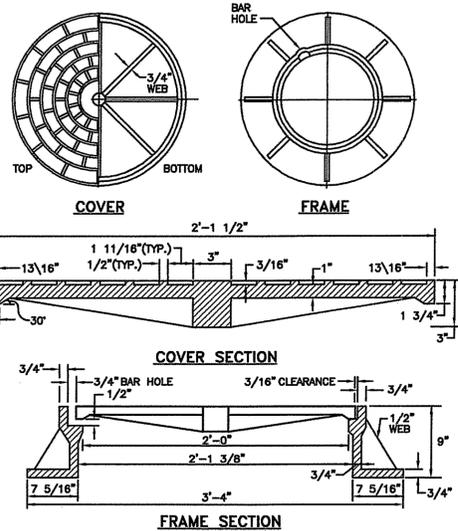


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
 3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
 4. ONE FOUR MONOLITHIC BASE SECTION.
 5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
 8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
 9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST 4'-0" ROUND MANHOLE

REVISIONS	NO.	BY	DATE

CHIEF ENGINEER: [Signature] R.I. STANDARD 4.2.0
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998

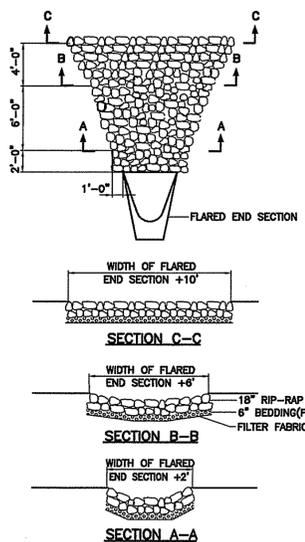


- NOTES:
1. FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
HEAVY-DUTY ROUND FRAME AND COVER

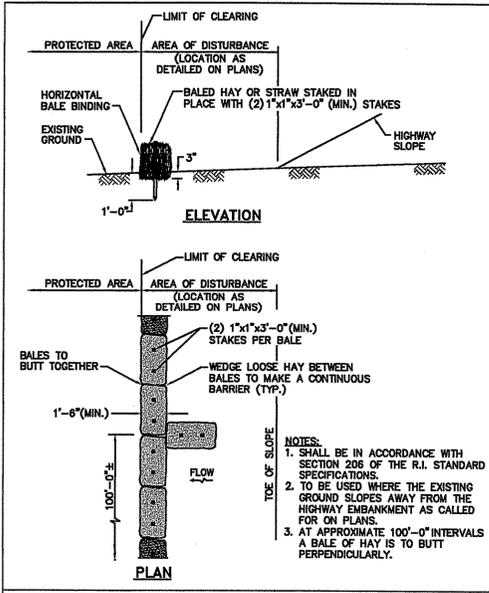
REVISIONS	NO.	BY	DATE

CHIEF ENGINEER: [Signature] R.I. STANDARD 6.2.1
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998



RIP-RAP PAD DETAIL (RRP)
N.T.S.

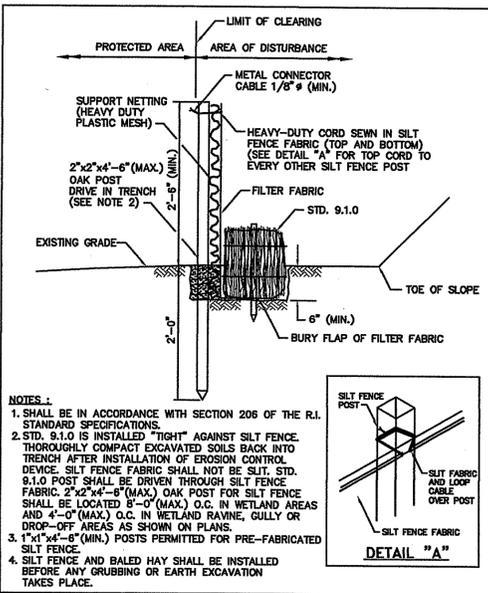
- NOTES:
1. RIP-RAP AND BEDDING SHALL BE IN ACCORDANCE WITH SECTION M.10 OF THE R.I. STD. SPECIFICATIONS FOR BRIDGE AND HIGHWAY. RIP-RAP SHALL BE MODIFIED NSA NO. R-4, BEDDING SHALL BE MODIFIED NSA NO. FS-2.
 2. DIMENSIONS MAY BE MODIFIED BY ENGINEER TO MEET FIELD CONDITIONS.
 3. UNLESS OTHERWISE SPECIFIED, DUMPED RIP-RAP SHALL BE USED.



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BALED HAY EROSION CHECK

REVISIONS	NO.	BY	DATE

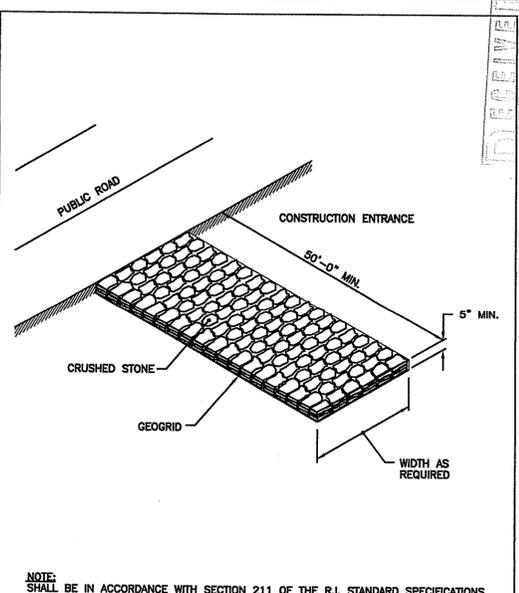
CHIEF ENGINEER: [Signature] R.I. STANDARD 9.1.0
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BALED HAY EROSION CHECK AND SILT FENCE COMBINED

REVISIONS	NO.	BY	DATE

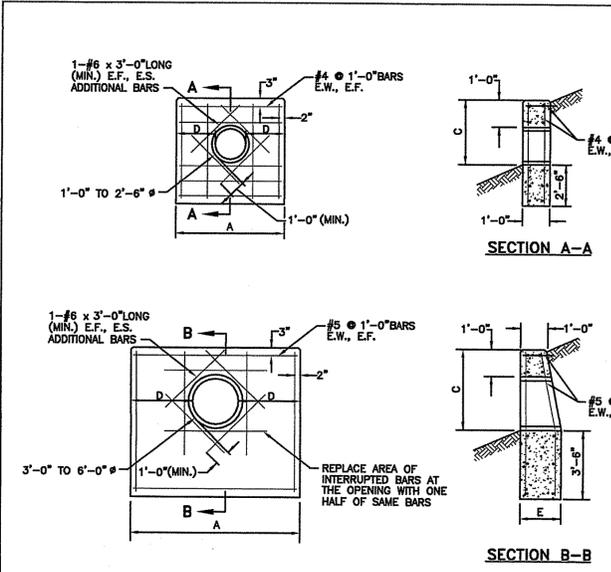
CHIEF ENGINEER: [Signature] R.I. STANDARD 9.3.0
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONSTRUCTION ACCESS

REVISIONS	NO.	BY	DATE

CHIEF ENGINEER: [Signature] R.I. STANDARD 9.9.0
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998



DIAMETER OF PIPE	A	C	D	E	CU. FT. CONCRETE
1'-0"	3'-0"	2'-2"	1'-0"	-	13.2
1'-3"	3'-0"	2'-5"	1'-3"	-	17.2
1'-6"	4'-6"	2'-6"	1'-6"	-	21.5
1'-9"	5'-3"	2'-11"	1'-9"	-	26.0
2'-0"	6'-0"	3'-2"	2'-0"	-	30.9
2'-3"	6'-9"	3'-6"	2'-3"	-	36.5
2'-6"	7'-6"	3'-9"	2'-6"	-	42.0
3'-0"	9'-6"	4'-0"	3'-3"	1'-8"	84.1
3'-6"	11'-0"	4'-6"	3'-9"	1'-7"	111.8
4'-0"	12'-8"	5'-0"	4'-4"	1'-9"	146.5
4'-6"	14'-4"	5'-6"	4'-11"	1'-11"	186.3
5'-0"	16'-0"	6'-0"	5'-6"	2'-1"	232.6
5'-6"	17'-8"	6'-6"	6'-1"	2'-3"	284.9
6'-0"	19'-4"	7'-0"	6'-8"	2'-5"	343.6

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONCRETE HEADWALLS FOR PIPE CULVERTS

REVISIONS	NO.	BY	DATE

CHIEF ENGINEER: [Signature] R.I. STANDARD 2.1.0
CHIEF DESIGN ENGINEER: [Signature] JUNE 15, 1998

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 709 OF THE R.I. STANDARD SPECIFICATIONS.
 2. 3/4" CHAMFER ON ALL EXPOSED EDGES.
 3. 1'-0" COMPACTED GRAVEL UNDER HEADWALL.
 4. ALL REINFORCING BARS SHALL BE EPOXY COATED.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 16 2008 FILE # 08-0271
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE USED AT CONSTRUCTION SITE

PROJECT
COUNTRY MEADOWS
CONDOMINIUMS
ASSESSOR'S PLAT 14, LOT 99
GLOUCESTER, RHODE ISLAND

TODD A. RAVENELLE
No. 5975
REGISTERED PROFESSIONAL ENGINEER

CLIENT
ALPHA ASSOCIATES
Gordon R. Archibald, Inc.
Professional Engineers
200 Main Street
Pawtucket, RI

DRAWING TITLE
NOTES AND DETAILS 2

NO.	DATE	REVISIONS
1	1/17/08	ISSUE FOR CONSTRUCTION

PROJECT NO.: 1153
DATE: NOVEMBER 2008
SCALE: 1"=60'
DRAWN BY: LBD
CHECKED BY: TAR
DRAWING NUMBER
4
SHEET 4 OF 4