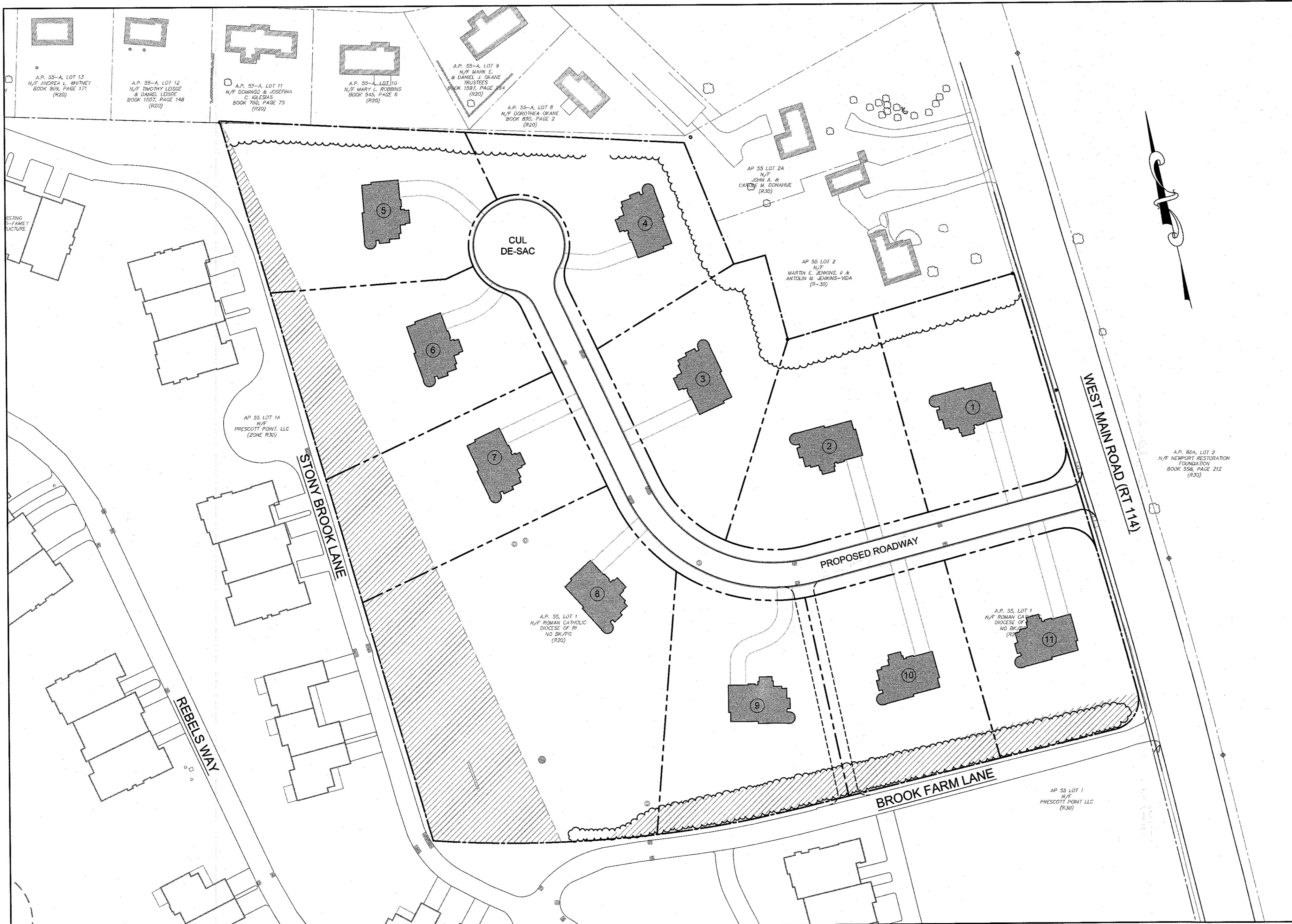
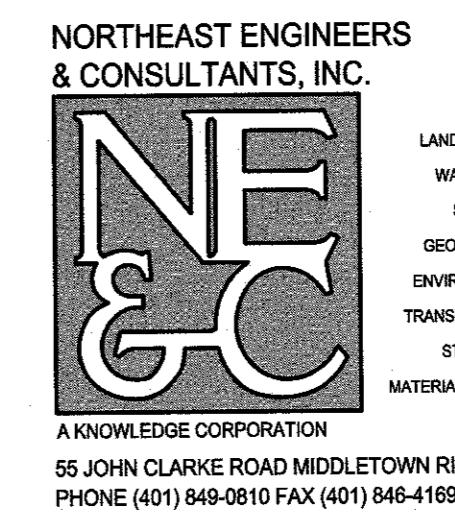


# HIGHLANDS AT PRESCOTT POINT

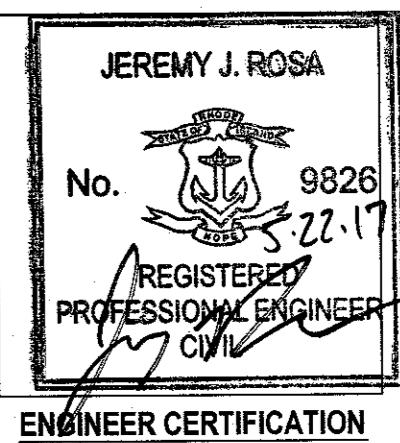
## MAJOR RESIDENTIAL SUBDIVISION A.P. 55 LOT 1 WEST MAIN ROAD (RI RT 114) PORTSMOUTH, RHODE ISLAND



CIVIL ENGINEER:



SITE/CIVIL  
LAND PLANNING  
WATERFRONT  
SURVEYING  
GEOTECHNICAL  
ENVIRONMENTAL  
TRANSPORTATION  
STRUCTURAL  
MATERIALS TESTING



OWNER:

HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT, RI 02882

**MAY 22, 2017 PERMIT SET**

### PLAN INDEX

#### SITE/CIVIL ENGINEERING PLANS

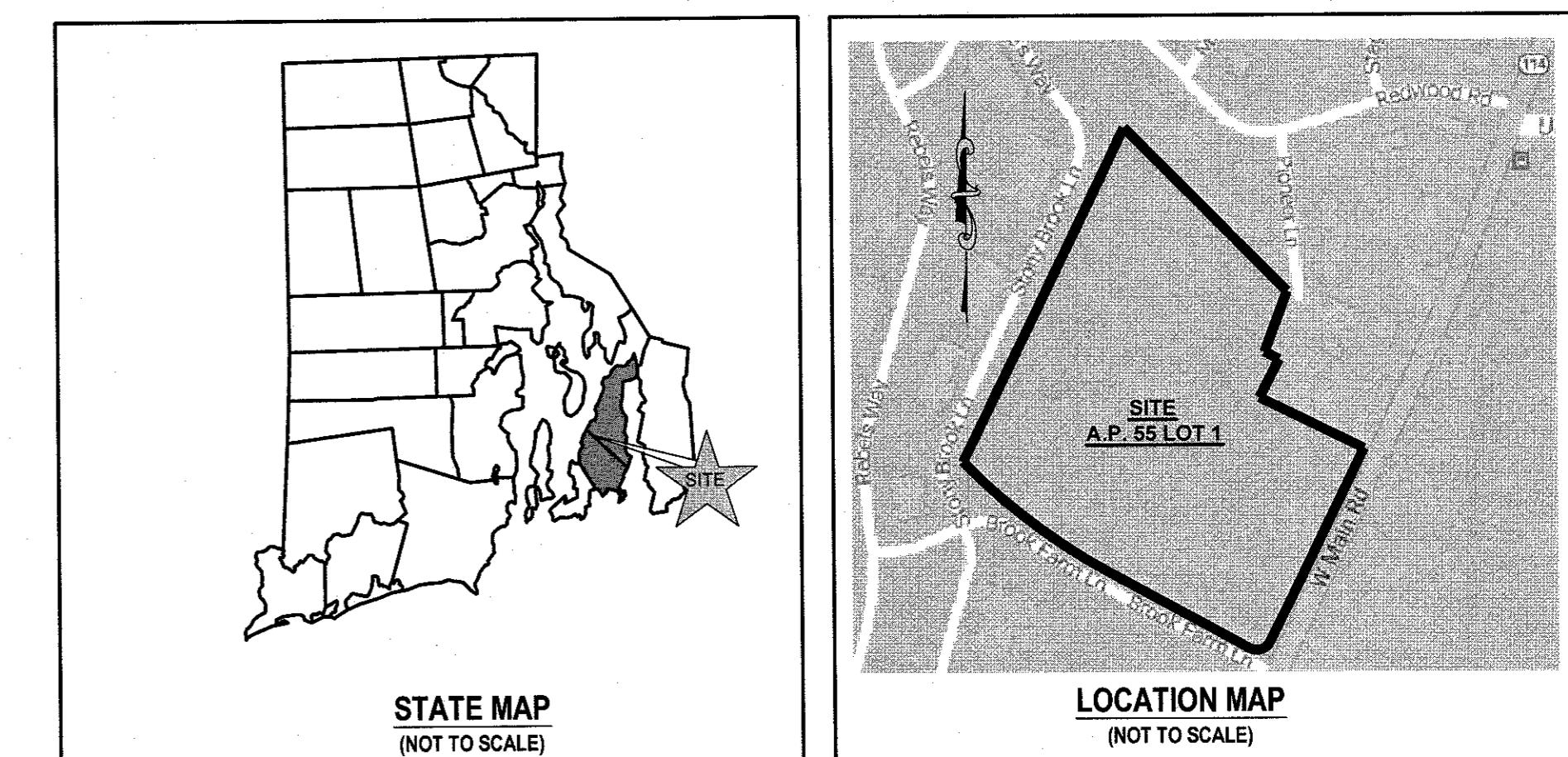
- TITLE SHEET
- SITE / CIVIL NOTES
- EXISTING CONDITIONS
- PROPOSED LAYOUT PLAN
- PROPOSED GRADING AND DRAINAGE PLAN
- PROPOSED UTILITY PLAN
- PROPOSED SOIL EROSION AND SEDIMENT CONTROL PLAN
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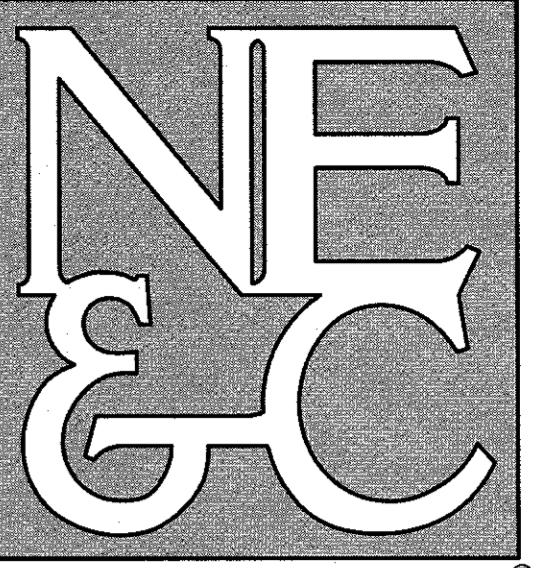
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#### SUBMISSION AND REVISION SUMMARY

AGENCY OR REVISION	DATE:	COMMENTS:
TOWN OF PORTSMOUTH	24 JAN, 2017	MASTER AND PRELIMINARY PLAN SUBMISSION
RIDOT	20 MAR, 2017	WETLANDS, PAPA
RIDEM	18 APR, 2017	WETLANDS
RIDEM	05 MAY, 2017	OWTS
RIDEM	18 MAY, 2017	RIDOT
TOWN OF PORTSMOUTH	22 MAY, 2017	RIDOT REVISIONS
	22 MAY, 2017	FINAL SUBMISSION PLAN



A KNOWLEDGE CORPORATION®

SITE/CIVIL

LAND PLANNING

WATERFRONT

SURVEYING

GEOTECHNICAL

ENVIRONMENTAL

TRANSPORTATION

STRUCTURAL

55 JOHN CLARKE ROAD MIDDLETOWN RHODE ISLAND 02842  
PHONE (401) 849-0810 FAX (401) 846-4169  
WWW.NORTHEASTENGINEERS.COM

## GENERAL NOTES

- PROPERTY LINE INFORMATION TAKEN FROM PLAN ENTITLED "SURVEY LOCATION PLAN WEST MAIN ROAD A.P. 55 LOT 1 PORTSMOUTH, RHODE ISLAND", PREPARED BY E. GREENWICH SURVEYORS, LLC, DATED 1-17-17.
- ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).
- TOPOGRAPHY TAKEN FROM EXISTING CONDITIONS SURVEY PLANS FROM THE PRESCOTT POINT PHASE 2 RIDEM WETLANDS SUBMISSION PLANS PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC., DATED JULY 28, 2016.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT AND DETAILS WITH THEIR RELATIONSHIP TO THE EXISTING SITE SURVEY. CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING WORK.
- THE UNDERGROUND UTILITIES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. ALL DAMAGED PORTIONS SHALL BE REPLACED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AFFECTED UTILITY COMPANY AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY. PERSONNEL INVOLVED IN EXCAVATION SHALL NOT DAMAGE UTILITIES WHICH ARE NOT CONTROLLED BY THE CONTRACTOR. NEW UTILITIES TO SUPPORT THE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR NEW LINES. (PLEASE CALL DIG-SAFE PRIOR TO CONSTRUCTION AT 1-888-DIG-SAFE AND ALL LOCAL UTILITY COMPANIES.)
- THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATIONS OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION OR BETTER, ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PRESERVE STREET MONUMENTS.
- STREET MONUMENTS THAT ARE DISTURBED SHALL BE RESTORED UNDER THE LICENSED LAND SURVEYOR'S DIRECTION. ANY NEW DATA SUCH AS ELEVATIONS SHALL BE CERTIFIED BY THE SURVEYOR, AND SUBMITTED TO THE TOWN OF PORTSMOUTH.
- DEVIATIONS OR CHANGES FROM THESE PLANS WILL NOT BE ALLOWED UNLESS APPROVED BY THE PROJECT ENGINEER, APPROPRIATE AGENCY AND OWNER.
- RELOCATION OF ANY UTILITIES SHALL BE AT THE OWNERS EXPENSE AND BE COMPLETED WITH THE UTILITY WORK. THE OWNER SHALL BE NOTIFIED AS TO THE RELOCATION REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR PROJECT ENGINEER."
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION INCLUDING ALL REVISIONS.
- THIS PROJECT IS SUBJECT TO PERMITTING THROUGH THE TOWN OF PORTSMOUTH.
- THIS PROJECT IS SUBJECT TO APPROVAL BY RIDEM OWTS FOR SYSTEM APPROVED UNDER FILE NO. 1127-1489 (NOTED AS FUTURE FLOW).
- THIS PROJECT IS SUBJECT TO APPROVAL BY RIDEM RIDES FOR A GENERAL STORMWATER CONSTRUCTION PERMIT.
- THIS PROJECT IS SUBJECT TO APPROVAL BY RIDOT FOR A PHYSICAL ALTERATION PERMIT.
- WATER TABLE TESTING PERFORMED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. ON 4/6/16.

## GRADING NOTES

- ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT RUNOFF FROM LEAVING THE SITE.
- ALL GRADED AREAS SHALL BE SODDED OR PLANTED IMMEDIATELY AFTER THE GRUBBING WORK HAS BEEN COMPLETED.
- THE TOWN SHALL BE INFORMED OF THE LOCATION OF THE DISPOSAL SITE, IF ANY, FOR THE PROJECT.
- NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS AT ANY TIME WITHOUT PRIOR NOTICE TO THE TOWN, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH THE COMMUNITY NOISE CONTROL STANDARDS.
- THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND THE TOWN.
- WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE GRADING WORK IS INITIATED.
- TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
- IF THE GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.
- NONCOMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHALL COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE, VIOLATORS SHALL BE SUBJECT TO ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES.

## UTILITY NOTES

- THE LOCATIONS OF PROPOSED ELECTRICAL CONDUITS AND CONNECTION TO THE EXISTING OVERHEAD SERVICES IN WEST MAIN ROAD ARE PRELIMINARY. FINAL DESIGN OF THE ELECTRICAL SERVICES ARE SUBJECT TO DESIGN REVIEW AND APPROVAL OF NATIONAL GRID.
- CONNECTION TO GAS MAIN IN WEST MAIN ROAD AND SERVICES PROVIDED SHALL BE SUBJECT TO REVIEW AND DESIGN BY NATIONAL GRID GAS.
- THE LOCATIONS OF WATER LINES AND SERVICES ARE PRELIMINARY AND SUBJECT TO REVIEW AND APPROVAL BY NEWPORT WATER.
- ELECTRIC, TELEPHONE AND CABLE SERVICES SHALL BE INSTALLED UNDERGROUND.
- SUBDIVISION IS TO DISCHARGE WASTEWATER INTO PRESCOTT POINT CONVEYANCE SYSTEM WITH PERMISSION FROM OWNERS AND RIDEM OWTS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS HE/SHE MAY MAKE OR DERIVE FROM THE SUBSURFACE INFORMATION OR DATA FURNISHED ON THE PLANS. THE CONTRACTOR MUST SATISFY HIMSELF/HERSELF THROUGH HIS/HER OWN INVESTIGATIONS AS TO WHAT SUBSURFACE CONDITIONS ARE TO BE ENCOUNTERED.
- IF THE CONTRACTOR ELECTS NOT TO EXPOSE AND VERIFY ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES AT CROSSINGS PRIOR TO PIPELINE EXCAVATION, HE/SHE FORFEITS HIS/HER RIGHTS FOR ANY CLAIMS FOR COMPENSATION CAUSED BY ANY CONFLICTS WITH EXISTING UTILITIES AND STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPOSED RIDOT, ALL ELEMENTS ASSOCIATED WITH THE CONSTRUCTION ACTIVITY AND DISINFECTANT AND HYDROTESTING OPERATIONS TO SAFEGUARD PUBLIC HEALTH AND SAFETY IN ACCORDANCE WITH APPLICABLE DEPARTMENT OF HEALTH REQUIREMENTS. ALL PERMITS AND LICENSES FOR CONSTRUCTION WATER DISPOSAL, INCLUDING ALL APPLICATIONS, CHARGES, FEES, AND TAXES, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

## DRAINAGE NOTES

- ALL DRAIN PIPES SHALL BE RCP CLASS III PIPES UNLESS OTHERWISE NOTED ON THESE PLANS.
- ALL ROADWAY DRAIN STRUCTURES SHALL BE PRECAST CONCRETE STRUCTURES UNLESS OTHERWISE NOTED ON PLANS CONFORMING TO RIDOT STANDARD 4.4.0.
- ALL DRAIN MANHOLES SHALL HAVE HEAVY DUTY COVERS CONFORMING TO RIDOT STANDARD 6.1.1.
- ALL CATCH BASINS SHALL HAVE HIGH CAPACITY BICYCLE SAFE GRATES CONFORMING TO RIDOT STANDARD 6.3.4.
- ALL OFFLINE CATCH BASINS WITHIN ROADWAY SHALL HAVE OIL WATER SEPARATING HOODS PER THE DETAIL PROVIDED.

## PUBLIC HEALTH SAFETY AND CONVENIENCE NOTES

- CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
- THE CONTRACTOR AT HIS/HER EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM RUBBISH, DUST, NOISE, EROSION, ETC. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL AGENCIES.
- NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SILT OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES, SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS AS NECESSARY.
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC.

## SOIL EROSION AND SEDIMENT CONTROL NOTES

- CONSTRUCTION SEQUENCE:
  - DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.
  - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE LOCATED AS SHOWN ON PLANS. CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THIS ENTRANCE.
  - DELINEATE AREAS OF PROPOSED DRAINAGE BASIN / SAND FILTER. THESE AREAS SHALL NOT BE USED FOR SOIL OR EQUIPMENT STOCKPILING AND SHALL NOT BE TRAVELED BY CONSTRUCTION EQUIPMENT.
  - INSTALL SILT FENCES, SILT SACKS, CHECK DAMS AND/OR STRAW BALES AS INDICATED ON THE DRAWINGS TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF DOWNSTREAM PROPERTIES PRIOR TO ANY EARTH MOVING ACTIVITIES.
  - REMOVE TREES ONLY WHERE NECESSARY. ALL STUMPS TO BE GROUND OR DISPOSED OF OFF SITE.
  - ROUGH GRADE ROADWAYS AND DRAINAGE FEATURES.
  - EXCAVATE SAND FILTERS AND DETENTION BASIN IN ACCORDANCE WITH THE PLANS AND DETAILS AND ESTABLISH A TEMPORARY VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER.
  - CONSTRUCT DRAINAGE CONVEYANCE UTILITIES.
  - FINAL GRADE ROADWAY AND BINDER PAVEMENT COURSE.
  - REMOVE REMAINING UNPAVED ROADWAYS AND COMPLETE LANDSCAPE AREAS.
  - REMOVE SEDIMENTS FROM SAND FILTERS, PLACE MEDIA LAYERS, AND INSTALL PLANTINGS.
  - TOP PAVEMENT COURSE AND MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.
- NOTES:
  - DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
  - NO DRAINAGE AREAS SHALL BE USED FOR STOCKPILES OR STORAGE OF MATERIALS OR EQUIPMENT. THESE AREAS SHOULD BE DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
  - ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE STABILIZED WITHIN FOURTEEN DAYS IN ACCORDANCE WITH TEMPORARY MEASURES IN THE VEGETATIVE PRACTICE NOTES.
  - AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOP SOIL TO REMOVE VEGETATION, ROOTS, AND ANY OTHER OBJECTIONABLE MATERIAL.
  - ALL FILL SHALL BE COMPAKTED TO 95% MAX. DENSITY TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBLIMATION, OR OTHER RELATED PROBLEMS.
  - FILL INTENDED TO SUPPORT BUILDING STRUCTURES AND CONDUITS, ETC., SHALL BE COMPAKTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
  - ALL FILL SHALL BE PLACED AND COMPAKTED TO 95% MAX. DENSITY IN LAYERS NOT TO EXCEED 12" IN THICKNESS FILLS.
  - FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
  - FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.
  - FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION SUBGRADE.
  - SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.
  - ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINISH GRADING IN ACCORDANCE WITH THE VEGETATIVE PRACTICE NOTES.
  - REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED AND VEGETATED AREAS HAVE RECEIVED TWO MOWINGS.
- VEGETATIVE PRACTICE:
  - SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 3 HORIZONTAL UNLESS OTHERWISE SPECIFIED.
  - LOAM AND SEED REQUIREMENTS ARE SPECIFIED IN RIDOT L01 & L02.
  - A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2 INCHES SHALL BE REMOVED.
- TEMPORARY MEASURES (FOR TEMPORARY PROTECTION OF DISTURBED AREAS)
  - LIMESTONE AND FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:  
LIMESTONE: 3 TONS/ACRE  
FERTILIZER: (10-10-10) 600 LBS/ACRE
  - SEED SHALL BE APPLIED AT THE FOLLOWING RATE:  
WINTER RYE: 100 LB/ACRE
  - STRAW MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.
- Maintenance
 

DURING THE PERIOD OF CONSTRUCTION AND/OR UNTIL LONG TERM VEGETATION IS ESTABLISHED, THE EROSION CONTROL MEASURES SHALL BE INSPECTED.

  - AT A MINIMUM THE SILT FENCING, STRAW BALES AND FILTER SOCK BARRIERS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND / OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT. THE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REGRADED ON THE SITE.
  - ALL EROSION CONTROL BLANKETS SHALL BE INSPECTED ON A WEEKLY BASIS.
  - SILT SACKS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND / OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT. DURING HEAVY RAIN EVENT, IT MAY BE NECESSARY TO TEMPORARILY REMOVE SACKS IN ORDER TO PREVENT FLOODING. SEDIMENT TRAPPED WITHIN SACKS SHALL BE DISPOSED OF OFF SITE AT A LICENSED FACILITY OR REGRADED ON THE SITE.
  - STONE APRONS SHALL BE INSPECTED MONTHLY FOR EXCESSIVE ACCUMULATION OF SEDIMENT. IT MAY BE NECESSARY TO REMOVE STONES, EXCAVATE SEDIMENT, AND REPLACE STONES.
  - THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO PAVING. DURING CONSTRUCTION THE ENTRANCE SHALL BE INSPECTED WEEKLY, AND REESTABLISHED AS NECESSARY.
  - SEDED AREAS WILL BE FERTILIZED AND RESEED AS NECESSARY TO INSURE ESTABLISHMENT OF A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER.

## GENERAL OWTS NOTES

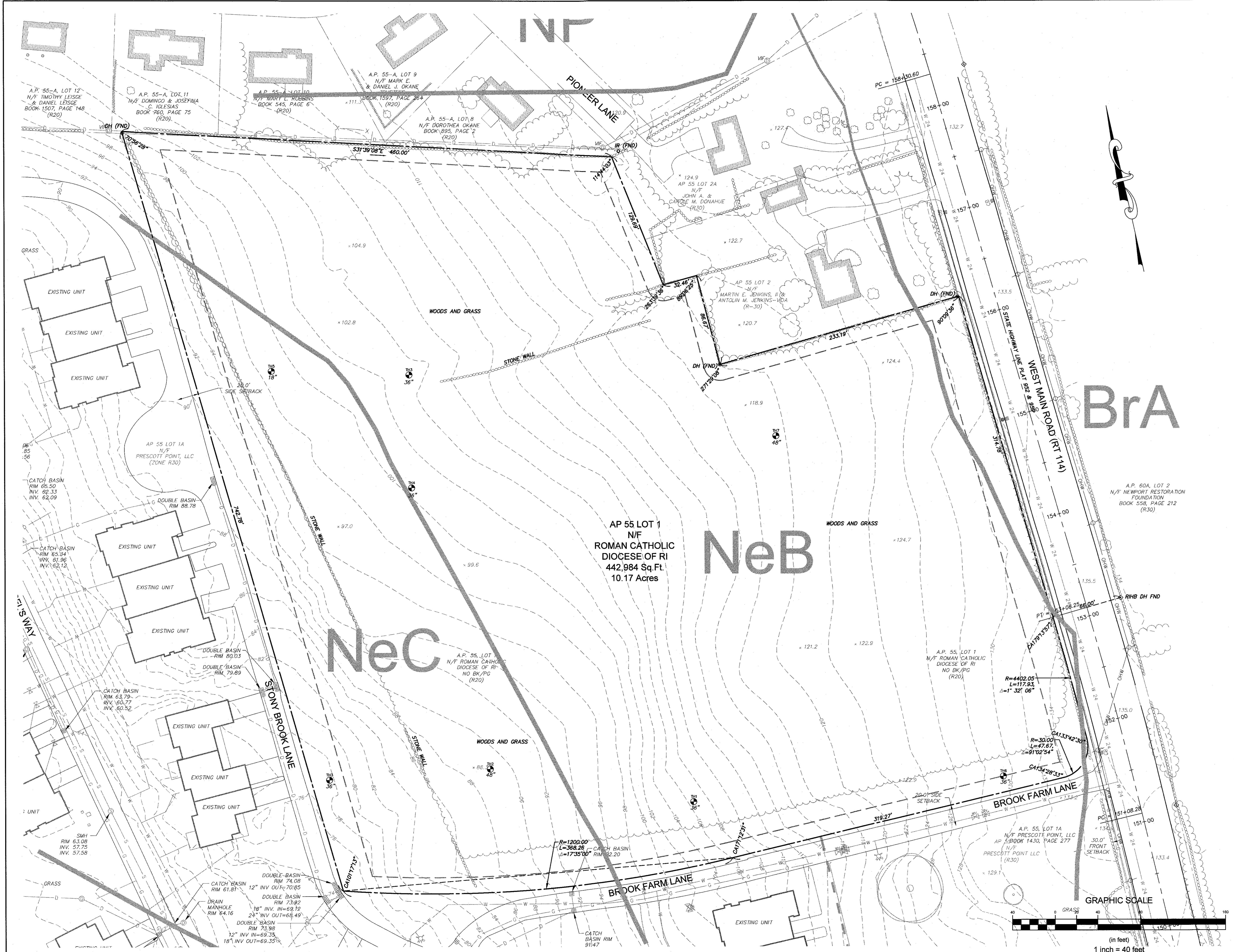
- NO DRAINS OR PRESSURE WATER SUPPLY LINES EXIST OR ARE TO BE CONSTRUCTED WITHIN REGULATION DISTANCES, EXCEPT WHERE NOTED. IN THESE AREAS, SEWER, DRAIN OR WATER LINES ARE TO BE SLEEVED AS SHOWN.
- THE SYSTEM FOR THE SUBSURFACE DISPOSAL OF SANITARY SEWAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF RHODE ISLAND DEPARTMENT ENVIRONMENTAL MANAGEMENT, "RULES AND REGULATIONS ESTABLISHING MINIMUM REQUIREMENTS RELATING TO LOCATION, DESIGN, CONSTRUCTION, AND MAINTENANCE OF ON SITE WASTEWATER TREATMENT SYSTEMS."
- THE DESIGN INTENT IS TO MEET THE STATE STANDARDS. SINCE THIS PLAN HAS BEEN CREATED TO GAIN THE NECESSARY PERMITTING, NO CONSTRUCTION INSTALLATIONS HAVE COMMENCED. BECAUSE THIS IS NOT A "RECORD DRAWING OF AS-BUILT CONDITIONS" & NOTHING HAS BEEN INSTALLED, THE ENGINEER SIGNING & STAMPING THIS PLAN IS NOT GUARANTEEING THE OPERATION OF THE INSTALLED SEPTIC SYSTEM. UPON THE APPROVED SYSTEM INSTALLATION THE DESIGN ENGINEER WILL WITNESS, VERIFY, & CERTIFY THAT THE SYSTEM WAS INSTALLED AS SPECIFIED ON THE APPROVED PLAN.
- NO GARBAGE DISPOSAL UNITS SHALL BE TIED INTO THE PROPOSED PLUMBING NETWORK AS THEY ARE NOT ALLOWED TO DISCHARGE INTO THE PROPOSED SEPTIC SYSTEMS, PER THE MANUFACTURER.
- THE PROPOSED GRAVITY SEWER COLLECTION SYSTEM SHALL BE PRESSURE/VACUUM TESTED TO ENSURE THAT SURFACE OR GROUND WATER WILL NOT ENTER THE SYSTEM.
- HOMEOWNERS WITHIN THE SUBDIVISION SHALL ENTER INTO AN AGREEMENT WITH THE HOME OWNERS ASSOCIATION OF PRESCOTT POINT AND SHALL BE RESPONSIBLE FOR PARTICIPATING IN PROPER OPERATIONS AND MAINTENANCE FOR ALL PRETREATMENT SYSTEMS, DISPOSAL FIELDS, COMMON PUMP STATIONS, GRAVITY LINES, FORCE MAINS, AND MANHOLES WITHIN THE DEVELOPMENT.
- THESE PLANS ARE INTENDED AS AN ADDENDUM TO THE APPROVED OWTS PLANS FOR THE PRESCOTT POINT DEVELOPMENT. PARTS OF THE SEWAGE DISPOSAL SYSTEM NOT SHOWN ON THESE PLANS ARE INTENDED TO REMAIN AS APPROVED. THE IMPROVEMENTS SHOWN ON THESE PLANS ARE INTENDED TO DISCHARGE INTO THE SYSTEM IDENTIFIED RIDEM #1127-1488. REFER TO RIDEM OWTS ADDENDUM SHEET.
- NE&C MUST PROVIDE DESIGNER WITNESSING OF INSTALLATION OF ALL SEPTIC CONNECTIONS AND COMPONENTS.

## STORMWATER MAINTENANCE NOTES

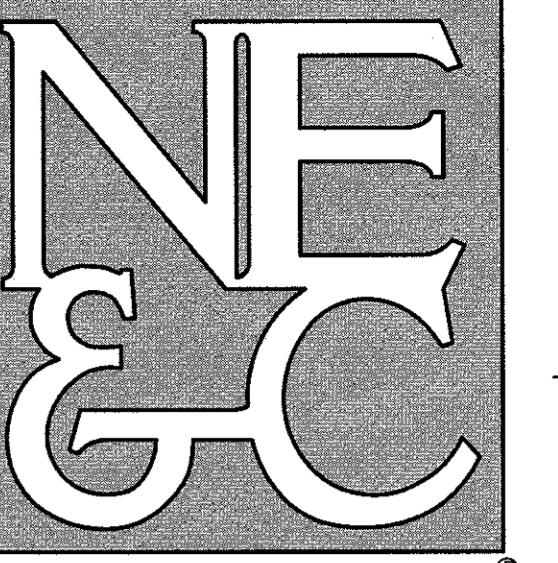
- SAND FILTER MAINTENANCE:
  - GRASSES AND/OR SPECIFIED VEGETATION SHALL BE PLANTED AROUND AND WITHIN EACH SAND FILTER IMMEDIATELY FOLLOWING CONSTRUCTION TO STABILIZE SLOPES AND PREVENT EROSION.
  - THE FILTER SHOULD BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE FILTER SHOULD BE INSPECTED AT LEAST ANNUALLY AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL TO THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.8 INCHES). SEDIMENTS COLLECTED WITHIN THE TOP STRATA OF THE FILTER SHALL BE REMOVED AND DISPOSED OF.
  - THE FOLLOWING SHALL ALSO BE COMPLETED ON AN ANNUAL BASIS:
    - THE SLOPES OF THE FILTER SHOULD BE INSPECTED FOR EROSION AND GULLYING.
    - IF REINFORCED ANY EXISTING RIPRAP IF IT IS FOUND TO BE DEFICIENT, EROSION IS PRESENT AT THE OUTLET STRUCTURES, OR ANY EXISTING RIPRAP HAS BEEN COMPROMISED.
    - ANY AREAS WITHIN THE EXTENTS OF THE FILTER THAT ARE SUBJECT TO EROSION OR GULLYING SHOULD BE REPLENISHED WITH THE ORIGINAL DESIGN MATERIAL AND RE-VEGETATED ACCORDING TO DESIGN DRAWINGS. SLOPE PROTECTION MATERIAL SHOULD BE PLACED IN AREAS PRONE TO EROSION. EMBANKMENT STABILITY SHOULD BE INSPECTED FOR SEEPAGE AND BURROWING ANIMALS.
    - MOVE THE GRASS AROUND THE PERIMETER OF AND WITHIN THE FILTER. SEED BARE AREAS, AND REMOVE LITTER AND DEBRIS AT LEAST THREE TIMES PER GROWING SEASON TO MAINTAIN MAXIMUM GRASS HEIGHTS LESS THAN TWELVE INCHES. REMOVE ANY INVASIVE VEGETATION WITHIN THE EXTENTS OF THE FILTER. ACCORDING TO DESIGN DRAWINGS, PLANT INVASIVE VEGETATION ENCAKING UPON THE PERIMETER OF THE FILTER. PLANT INVASIVE VEGETATION AND/OR COMPROMISING THE ORIGINAL DESIGN INTENT, IF DEAD OR DYING GRASS ON THE BOTTOM IS OBSERVED, CHECK TO ENSURE THAT WATER PERMEATES THE FILTER WITHIN TWO DAYS FOLLOWING STORMS.
    - SILT/SEDIMENT SHOULD BE REMOVED FROM THE FILTER BED ANNUALLY, WHEN ACCUMULATION EXCEEDS 1 INCH, OR WHEN THE FILTERING CAPACITY DIMINISHES SUBSTANTIALLY. IF STANDING WATER IS OBSERVED MORE THAN 48 HOURS AFTER A STORM EVENT, THEN THE TOP 6 INCHES OF SAND SHOULD BE REMOVED AND REPLACED. IF DISCLORED OR CONTAMINATED MATERIAL IS FOUND BELOW THIS REMOVED SURFACE THEN THAT MATERIAL SHOULD ALSO BE REMOVED AND REPLACED UNTIL ALL CONTAMINATED SAND HAS BEEN REMOVED FROM THE FILTER MEDIA. THE SAND SHOULD BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- CONVEYANCE STRUCTURE MAINTENANCE:
  - ALL INLET / OUTFLOW PIPES ARE TO BE INSPECTED AT LEAST THREE TIMES IN THE FIRST SIX MONTHS OF OPERATION. EVIDENCE OF CLOGGING, OR RAPID RELEASE OF FLOW SHALL BE REPORTED TO THE PROJECT ENGINEER AND REMEDIED IMMEDIATELY.
  - CONVEYANCE PIPES SHOULD BE INSPECTED BIANNUALLY. ANY STRUCTURAL FAULTS SHOULD BE REPAIRED AS NECESSARY FOR PROPER FUNCTION OF THE STRUCTURE.
  - DRAINAGE STRUCTURES SUCH AS DRAIN MANHOLE AND CATCH BASINS SHOULD BE CLEAN AND FREE OF OBSTRUCTIONS THAT REDUCE FLOW. A REGISTERED PROFESSIONAL ENGINEER SHOULD BE CONSULTED IF NECESSARY TO DETERMINE WHETHER A STRUCTURE HAS BEEN COMPROMISED.
- RIPRAP SPILLWAY MAINTENANCE:
  - THE SPILLWAYS SHOULD BE INSPECTED ANNUALLY FOR EROSION AND DETERIORATION. RIPRAP SHOULD BE REPLACED IN KIND AS NECESSARY TO COMPLETELY COVER THE SPILLWAY IN THE DIMENSIONS DESIGNATED IN THE ORIGINAL DESIGN DOCUMENTS. SHOULD EXCESSIVE STONE WASHOUT BE OBSERVED, A REGISTERED PROFESSIONAL ENGINEER SHOULD BE CONSULTED.
- MAINTENANCE OF THE STORMWATER SYSTEM DURING CONSTRUCTION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

## ABBREVIATIONS

AC	ASPHALT PAVEMENT
ADJ	ADJACENT
AP	ASSESSOR'S PLAT
ACCESS	ACCESSIBLE
ARCH	ARCHITECT
BC	BACKFILL
BH	BORING HOLE
BIT	BITUMINOUS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN	CONNECT
COTG	CLEAN OUT TO GRADE
CF	CUBIC FOOT
DEMO	DEMOLISH
DI	DEMONSTRATE
DIA	DIAHOLE
DMH	DRAIN MANHOLE
dp	DROP PIPE



# NORTHEAST ENGINEERS & CONSULTANTS, INC.



SITE/CIVIL  
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[WWW.NORTHEASTENGINEERS.COM](http://WWW.NORTHEASTENGINEERS.COM)

**CERTIFICATION:**

IS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED  
SUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY  
E RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL  
ND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: MEASUREMENT SPECIFICATION:  
TOPOGRAPHIC SURVEY ACCURACY CLASS T-2

STATEMENT OF PURPOSE:  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION  
THE PLAN IS AS FOLLOWS:

SHOW THE EXISTING PHYSICAL  
FEATURES OF A.P. 55 LOT 1, A PARCEL  
PREVIOUSLY DELINEATED BY OTHERS.

**ROGER F. LIZOTTE**

卷之三

No. 1826

*Paula L. Hite*  PROFESSIONAL

GER F. LAROTTE NO. 1826  
DA NO. A356 3/31/17

GENERAL NOTES  
PROPERTY LINE INFORMATION FOR A.P. 55 LOT 1 TAKEN FROM PLAN  
ENTITLED "SURVEY LOCATION PLAN WEST MAIN ROAD A.P. 55 LOT 1  
PORTSMOUTH, RHODE ISLAND", PREPARED BY E. GREENWICH  
SURVEYORS, LLC. DATED 1-17-17.

ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).  
TOPOGRAPHY TAKEN FROM EXISTING CONDITIONS SURVEY PLANS FROM  
THE PRESCOTT POINT PHASE 2 RIDEM WETLANDS SUBMISSION PLANS  
PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC. DATED  
JULY 28, 2016.

2	RIDOT SUBMISSION	31MAR17	
1	RIDEM AND RIDOT SUBMISSIONS	20MAR17	
No.	Revision	Date	App.
Designed By:	JJR	Drawn by:	JJR
Checked by:	GES	11-101	24 JAN 17

Project Title: **HIGHLANDS  
AT PRESCOTT POINT**

A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

Applicant: **HIGHLANDS AT PRESCOTT POINT, LLC**  
**1004 BOSTON NECK ROAD, SUITE 6**  
**NARRAGANSETT RI 02882**

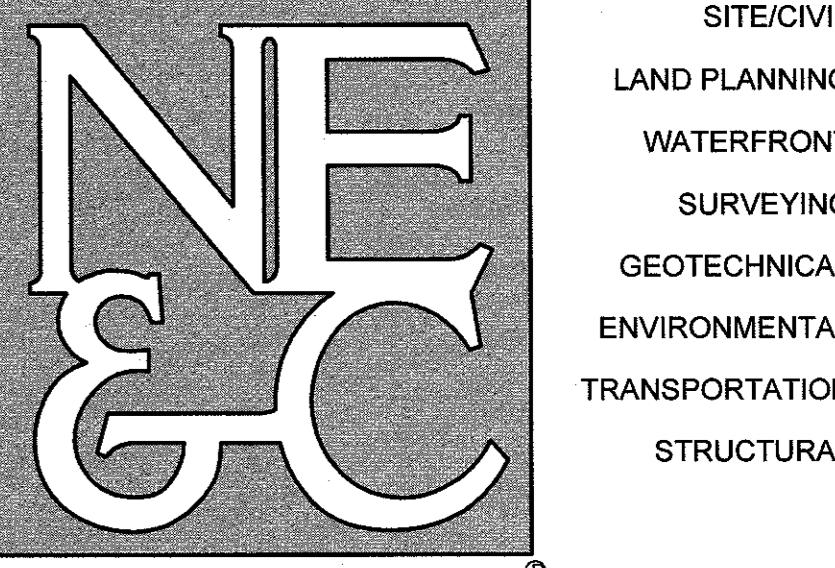
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Digitized by srujanika@gmail.com

## EXISTING CONDITIONS

	Drawing Number: <b>C-3</b>
	Sheet <b>3</b> of <b>12</b>
	Project Number: <b>16102.0</b>
	Survey Index: — —

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CERTIFICATION:  
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED  
PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY  
THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL  
LAND SURVEYORS ON NOVEMBER 23, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: MEASUREMENT SPECIFICATION:  
LIMITED CONTENT BOUNDARY SURVEY CLASS 1

STATEMENT OF PURPOSE:  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION  
OF THE PLAN IS AS FOLLOWS:

TO CREATE AN ELEVEN (11) LOT  
SUBDIVISION FROM A BOUNDARY  
SURVEY PREPARED BY OTHERS. THIS  
CERTIFICATION APPLIES TO THE  
GEOMETRY OF THE SUBDIVISION AND  
MAKES NO REPRESENTATION AS TO THE  
ACCURACY OF THE BOUNDARY SURVEY  
PROVIDED TO NEC.

BY *Roger F. Lizzette* NO. 1826  
COA NO. A356  
5/18/17



GENERAL NOTES:

- PROPERTY LINE INFORMATION FOR A.P. 55 LOT 1 TAKEN FROM PLAN ENTITLED "SURVEY LOCATION PLAN WEST MAIN ROAD A.P. 55 LOT 1 PORTSMOUTH, RHODE ISLAND", PREPARED BY E. GREENWICH SURVEYORS, LLC, DATED 1-17-17.
- ELEVATIONS REFER TO THE NATIONAL GEODIGIC VERTICAL DATUM OF 1929 (NGVD).
- TOPOGRAPHY TAKEN FROM EXISTING CONDITIONS SURVEY PLANS FROM THE PRESCOTT POINT PHASE 2 RIDEM WETLANDS SUBMISSION PLANS PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC. DATED 07/28/2016.

5	REVISED ADA RAMPS	16MAY17
4	ADDED DRAINAGE EASEMENTS	03MAY17
3	RIDEM REVISIONS	12APR17
2	RIDOT SUBMISSION	31MAR17
No.	Revision	Date App.
Designed By/DR/GES	Drawn by: JJR	Checked by: GES
Scale: 1"=40'	Date: 24JAN17	

Project Title:

## HIGHLANDS AT PRESCOTT POINT

A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

Applicant:  
HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT RI, 02882

Issued for:

PERMITTING

Drawing Title:

## SUBDIVISION LAYOUT

Drawing Number: C-4

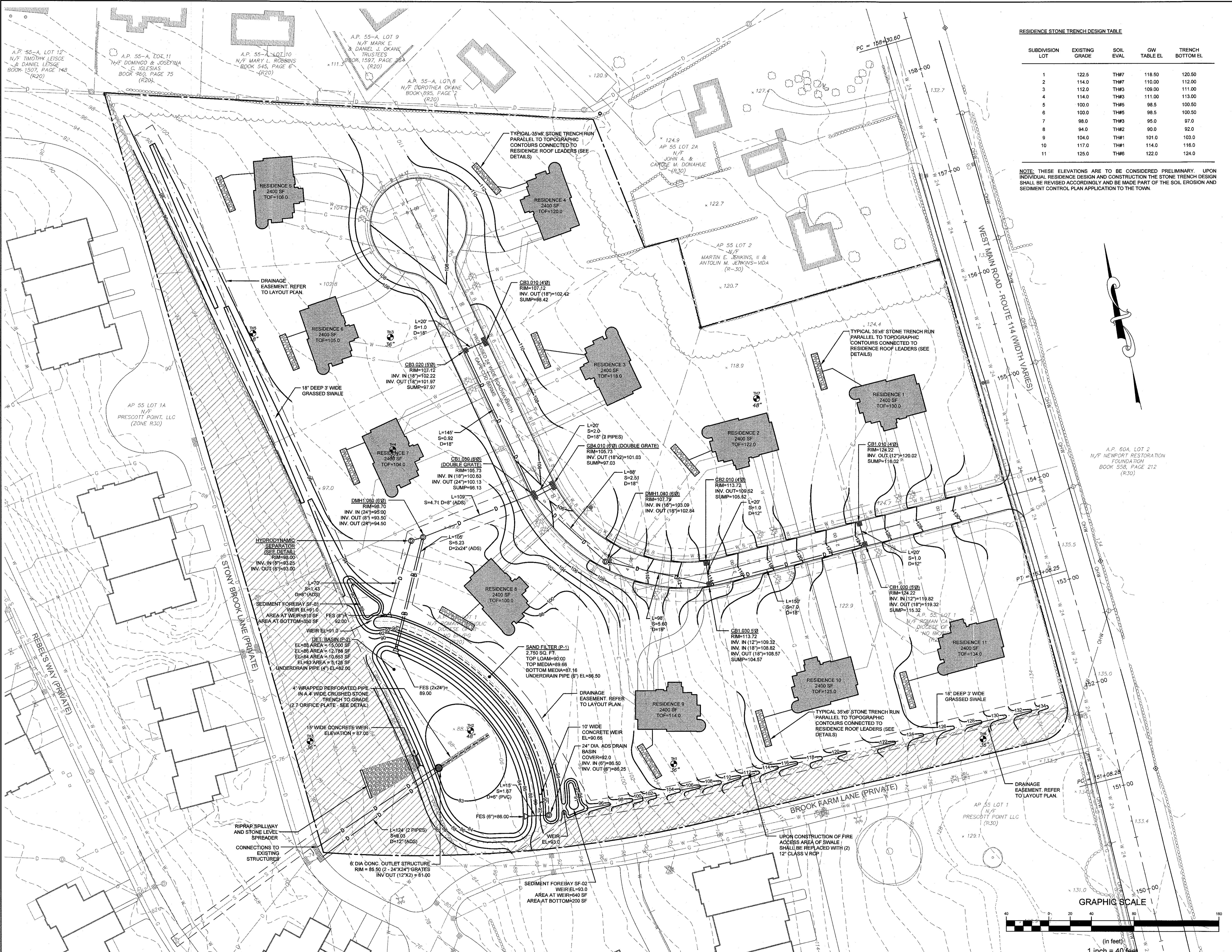
Sheet 4 of 12

Project Number: 16102.0

Survey Index: - - -

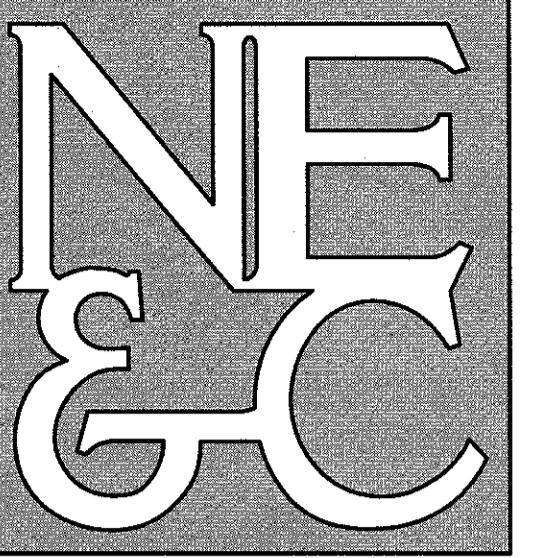
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RESIDENCE STORE TRENCH DESIGN TABLE				
SUBDIVISION LOT	EXISTING GRADE	SOIL EVAL	GW TABLE EL	TRENCH BOTTOM EL
1	122.5	TH#7	118.50	120.50
2	114.0	TH#7	110.00	112.00
3	112.0	TH#3	109.00	111.00
4	114.0	TH#3	111.00	113.00
5	100.0	TH#5	98.5	100.50
6	100.0	TH#5	98.5	100.50
7	98.0	TH#3	95.0	97.0
8	94.0	TH#2	90.0	92.0
9	104.0	TH#1	101.0	103.0
10	117.0	TH#1	114.0	116.0
11	125.0	TH#6	122.0	124.0

NOTE: THESE ELEVATIONS ARE TO BE CONSIDERED PRELIMINARY. UPON INDIVIDUAL RESIDENCE DESIGN AND CONSTRUCTION THE STONE TRENCH DESIGN SHALL BE REVISED ACCORDINGLY AND BE MADE PART OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN APPLICATION TO THE TOWN.

3	ADDED DRAINAGE EASEMENTS		03MAY17	
2	RIDEM REVISIONS		12APR17	
1	RIDEM AND RIDOT SUBMISSIONS		20MAR17	
No.	Revision		Date	App.
Designed By:	JJR	Drawn by:	JJR	Checked by: GES
Scale:	AS SHOWN		Date:	24JAN17

# HIGHLANDS AT PRESCOTT POINT

A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT RI 02882

10 of 10

## PERMITTI

Drawing Title:

## GRADING & DRAINAGE

## GRADING & DRAINAGE

JEREMY L ROSA

No. 9820  
5-22-17  
ZDPS

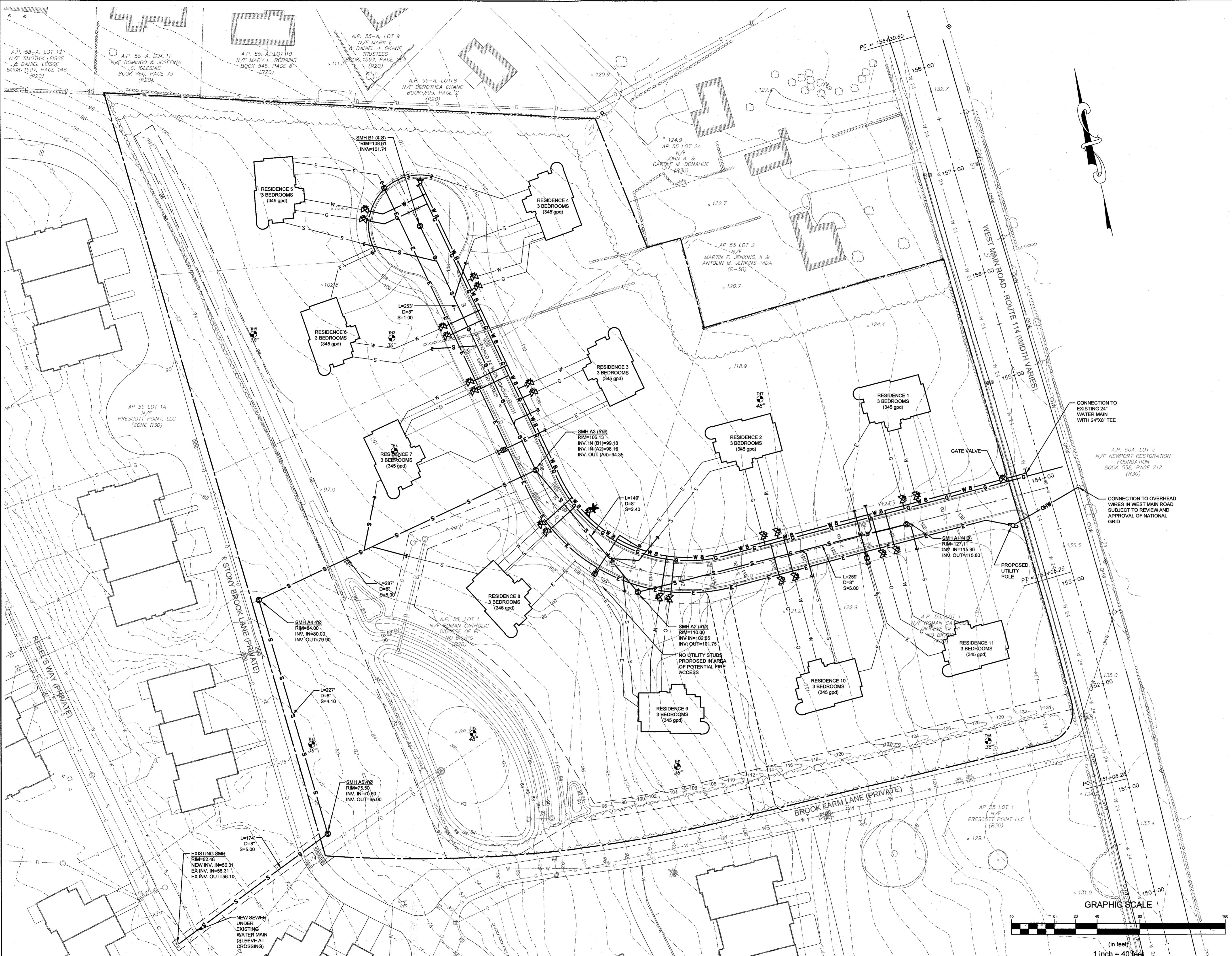
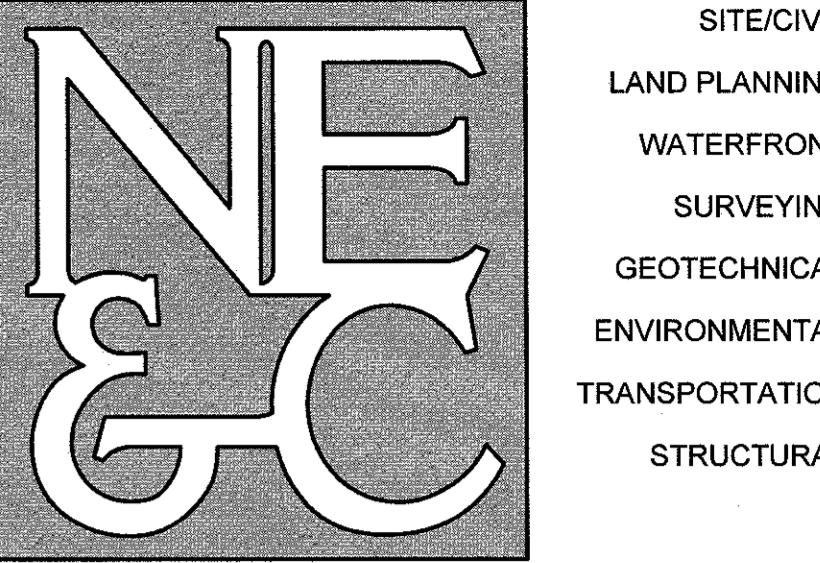
REGISTERED  
PROFESSIONAL ENGINEER

— **JOHN D. GRIEVE** —

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1	RIDEM AND RIDOT SUBMISSIONS	06FEB17
No.	Revision	Date App.
Designed By:	Drawn by:	GES
Scale:	AS SHOWN	Date: 24JAN17
Project Title:		

**HIGHLANDS  
AT PRESCOTT POINT**  
A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

Applicant:  
HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT RI, 02882

Issued for:

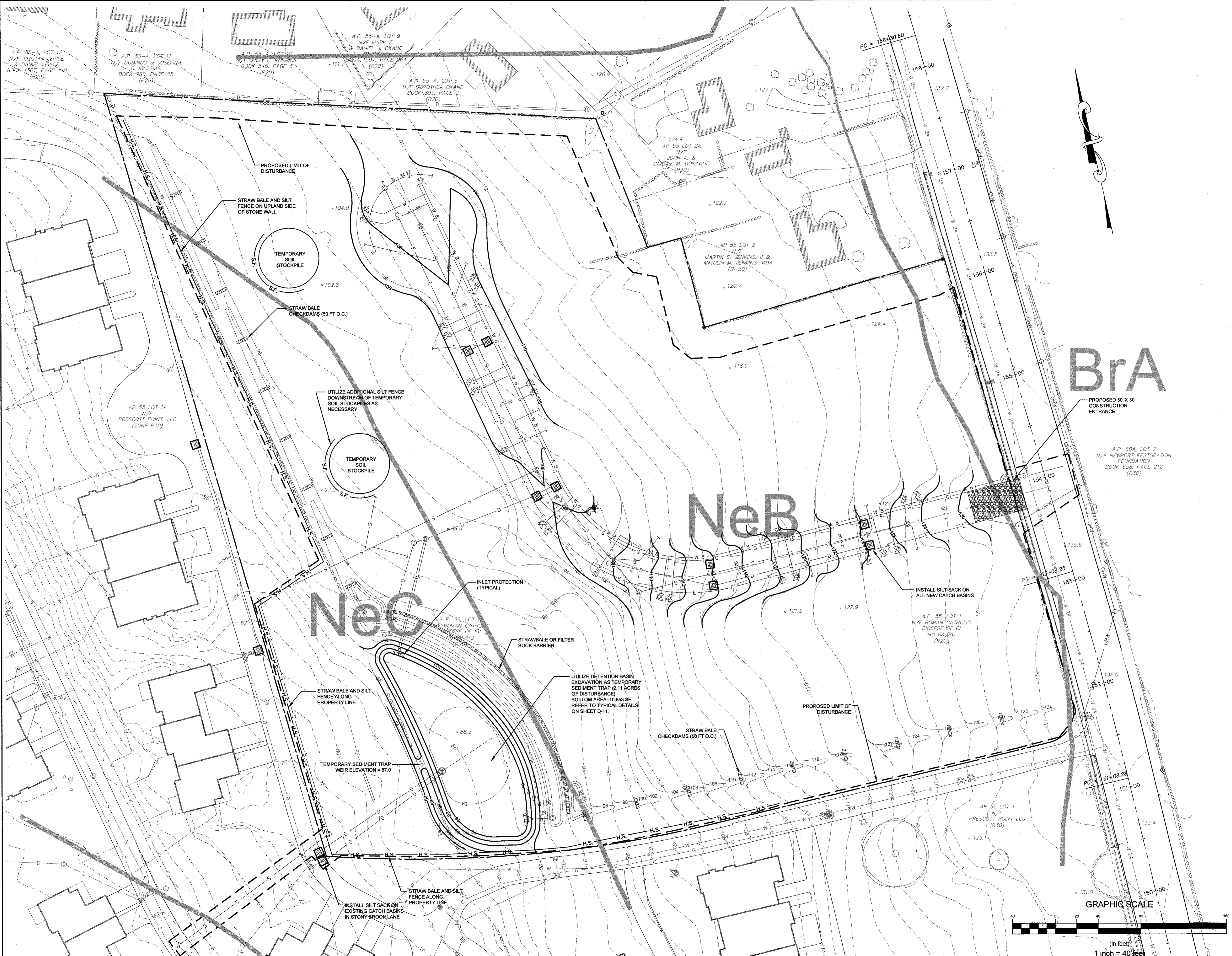
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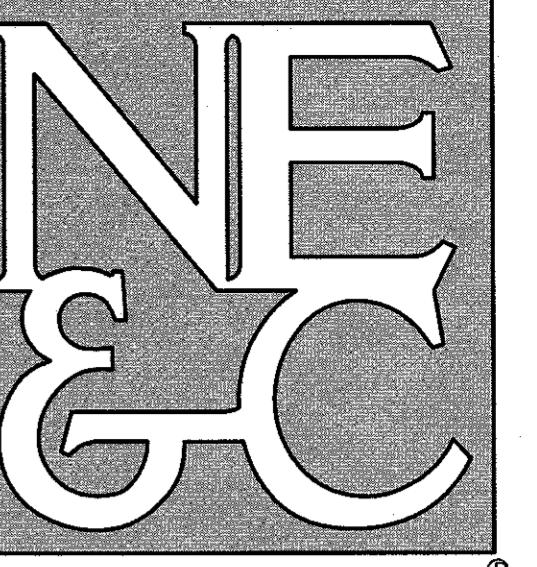
**UTILITY PLAN**

Drawing Number:		C-6
Sheet 6 of 12		
Project Number:		16102.0
Survey Index:		

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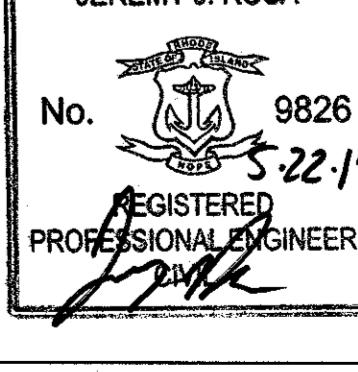


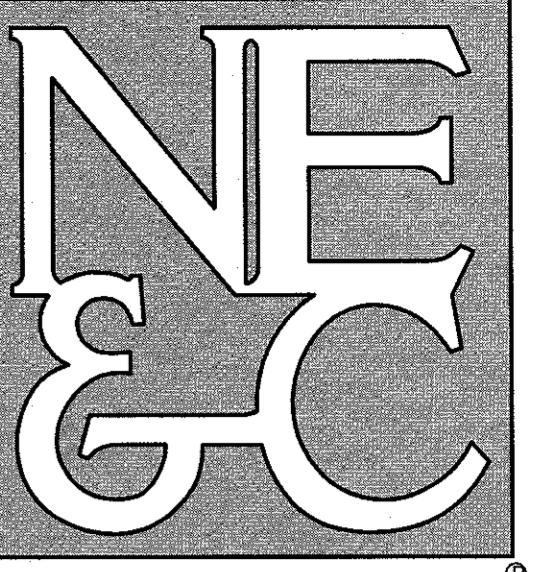
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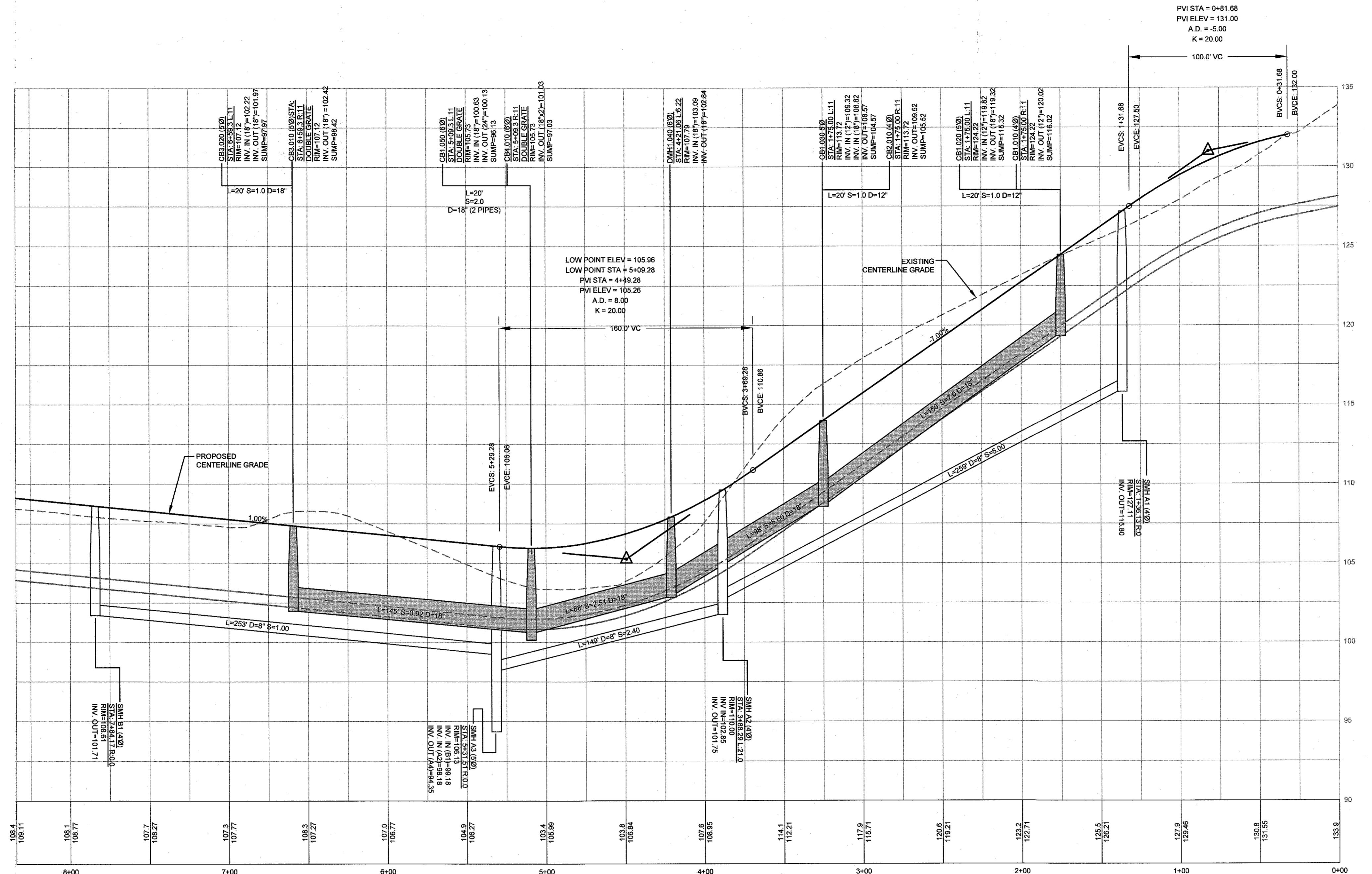
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ENVIRONMENTAL  
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1	RIDEM AND RIDOT SUBMISSIONS			20MAR17
No.	Revision			Date
Designed By:		Drawn by:	JJR	Checked by: GES
Scale: AS SHOWN		Date: 24JAN17		
Project Title:				
<h1>HIGHLANDS AT PRESCOTT POINT</h1> <p>A.P. 55 LOT 1 2543 WEST MAIN ROAD PORTSMOUTH, RI</p>				
Applicant:				
<p>HIGHLANDS AT PRESCOTT POINT, LLC 1004 BOSTON NECK ROAD, SUITE 6 NARRAGANSETT RI, 02882</p>				
Issued for:				
PERMITTING				
Drawing Title:				
<h2>SOIL EROSION AND SEDIMENT CONTROL</h2>				
			<p>Drawing Number: C-7</p> <p>Sheet 7 of 12</p> <p>Project Number: 16102.0</p> <p>Survey Index: - - -</p>	
<p>OWNERSHIP AND USE OF DOCUMENTS: DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECTS OR PURPOSES, OR BY ANY OTHER PARTIES, THAN THOSE PROPERLY AUTHORIZED BY CONTRACT, WITHOUT THE EXPRESS AUTHORIZATION OF THE ENGINEER.</p>				



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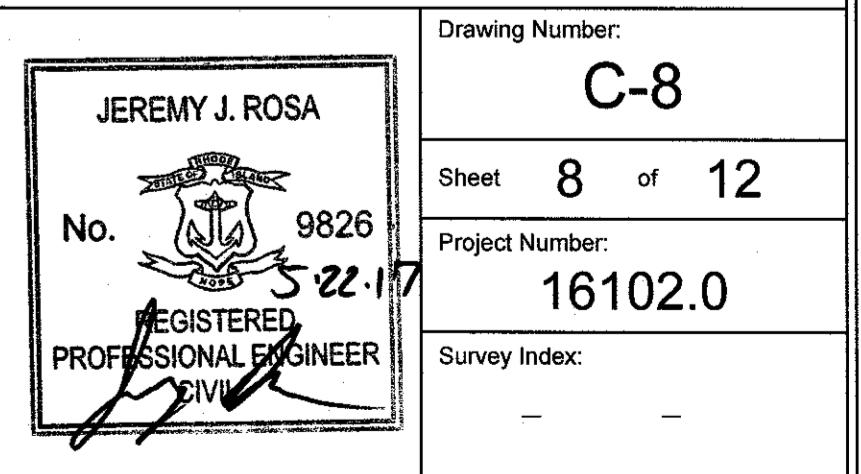
1	RIDEM AND RIDOT SUBMISSIONS	20MAR17
No.	Revision	Date App.
Designed By:	Drawn by: JJR	Checked by: GES
Scale: 1"=40'	Date: 24JAN17	

Project Title: **HIGHLANDS AT PRESCOTT POINT**  
A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

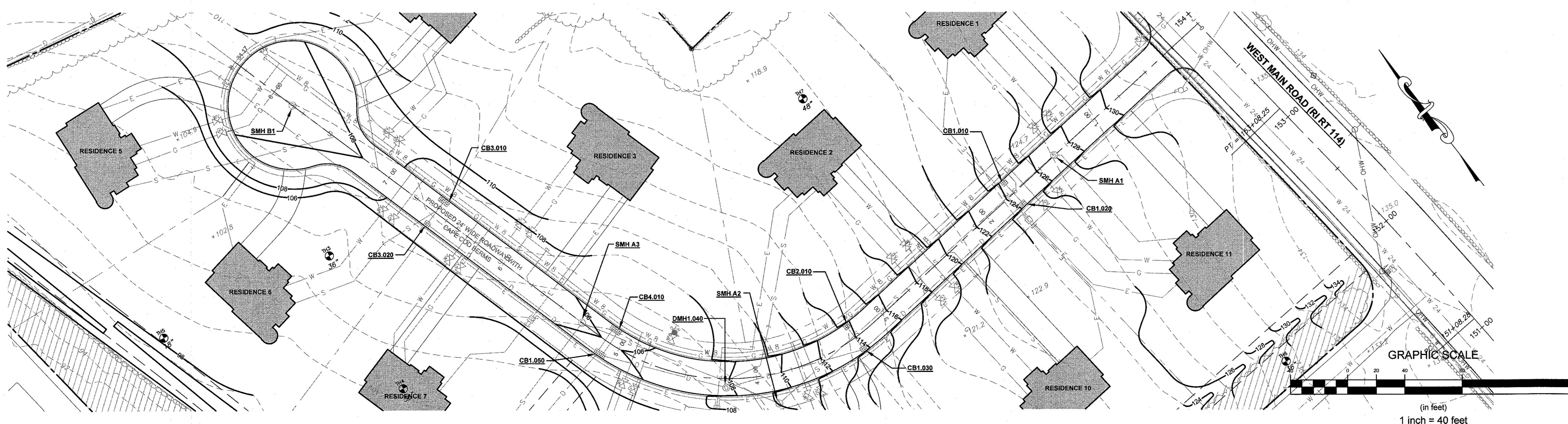
Applicant: HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT RI, 02882

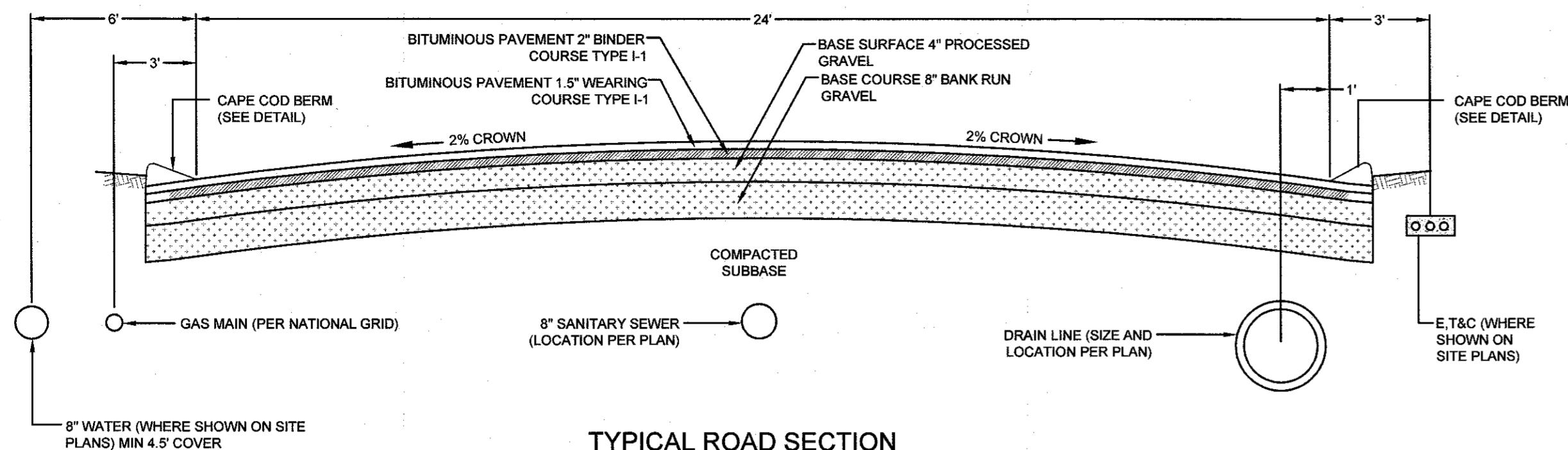
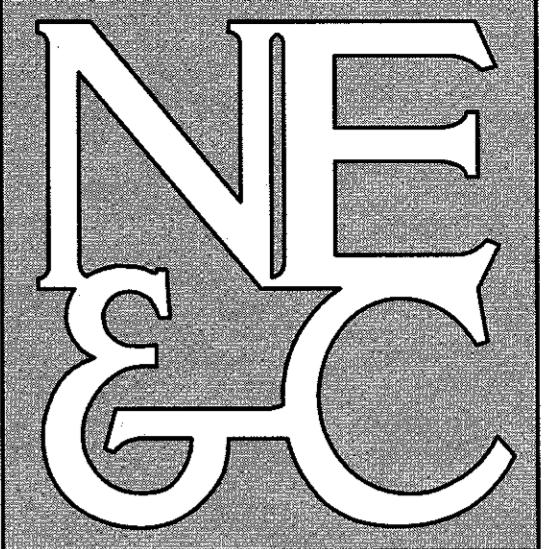
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Drawing Title: ROAD PROFILE



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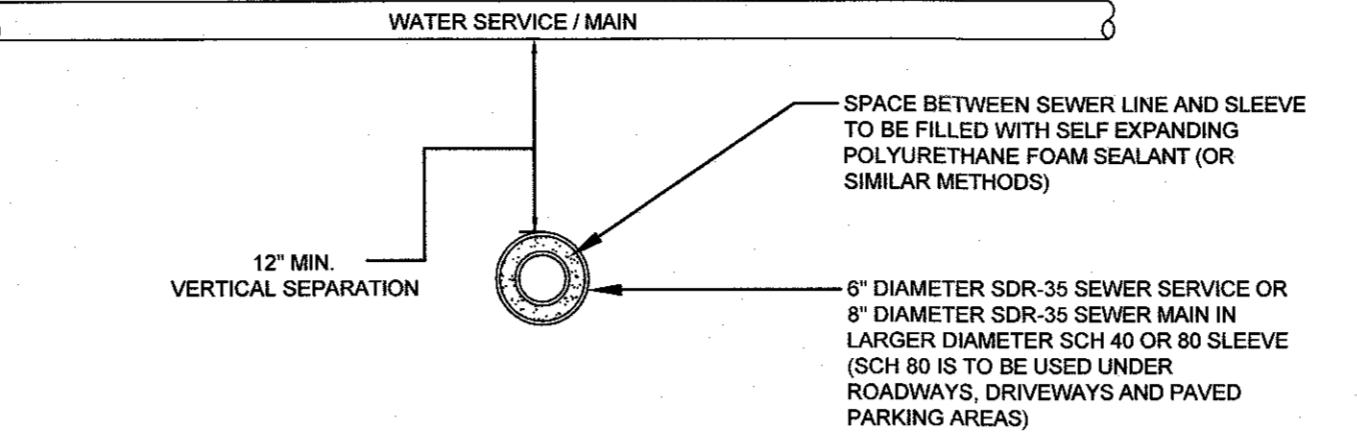




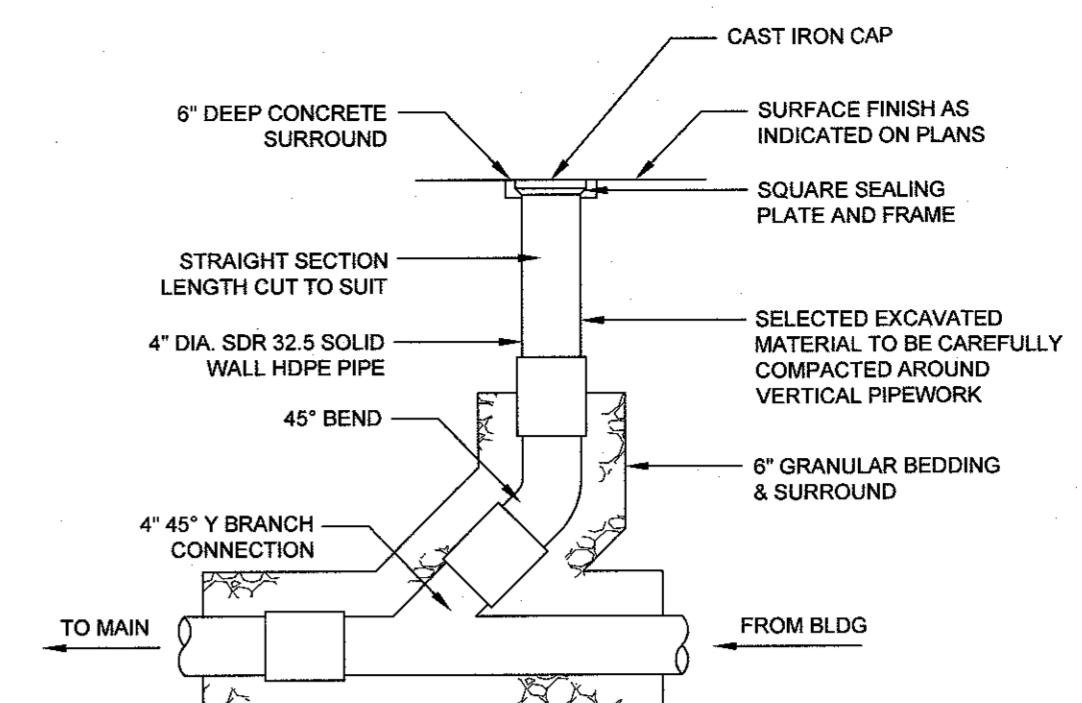
**TYPICAL ROAD SECTION**  
SCALE: NOT TO SCALE

**WATER/SEWER PIPE CROSSING NOTES:**

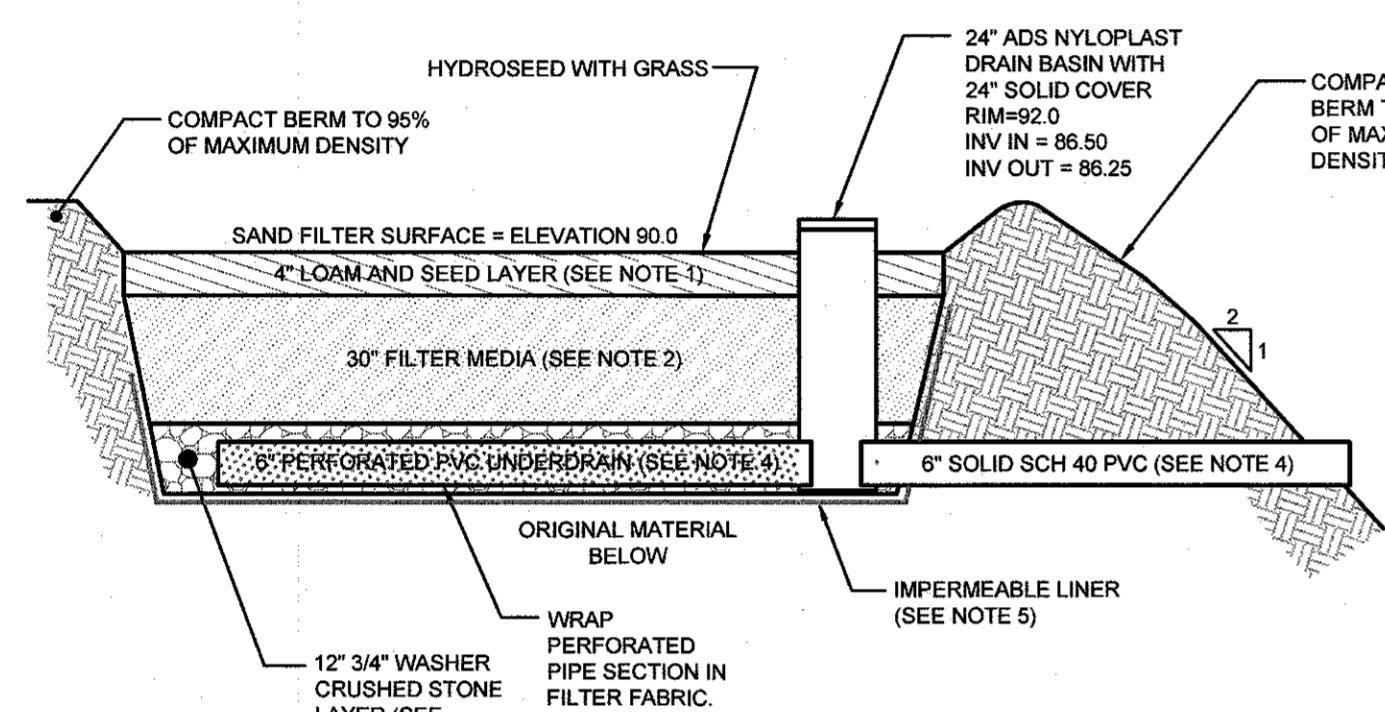
1. ALL SLEEVING ON SEWER LINES SHALL EXTEND 10 FEET ON EITHER SIDE OF THE CROSSING POINTS.
2. SLEEVING PIPES SHALL BE RING-TITE GASKETED PVC SEWER PIPE OR SIMILAR APPROVED.
3. FOAM SEALANT SHALL BE WILSEAL BY ILBRUCK OR SIMILAR APPROVED.
4. CONSTRUCTION DETAIL & SEPARATION DISTANCES SHALL BE THE SAME IN INSTANCES WHERE SEWER CROSSES ABOVE WATER LINE.



**SEWER WATER CROSSING DETAIL**  
SCALE: NOT TO SCALE



**CLEAN OUT DETAIL**  
SCALE: NOT TO SCALE



**SAND FILTER NOTES:**

1. SAND FILTER SHALL BE PLANTED WITH NEW ENGLAND WETMIX (WETLAND SEED MIX) BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.
2. SAND FILTER SAND TO BE CLEAN AASHTO M-6 OR ASTM C-33 CONCRETE SAND (0.02" TO 0.04"). SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMATIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO ROCK DUST CAN BE USED AS SAND.
3. UNDERDRAIN STONE SHALL BE 0.75" CRUSHED STONE. MATERIAL MUST BE WASHED CLEAN.
4. UNDERDRAIN SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-1785 OR AASHTO M-278. PERFORATIONS SHALL BE 3/8" @ 6" ON CENTER. PIPE SHALL HAVE 3" OF GRAVEL OVER PIPE. PIPE TO BE WRAPPED IN GEOTEXTILE FABRIC CONFORMING TO FLOWRATE INDICATED IN NOTE 5.
5. IMPERMEABLE LINER MAY BE ONE OF THE FOLLOWING: (A) MIN. OF 6 INCHES OF CLAY SOIL (MINIMUM 15% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF  $1 \times 10^{-5}$  CM/SEC), (B) A 30 MIL POLY-LINER (C) BENTONITE

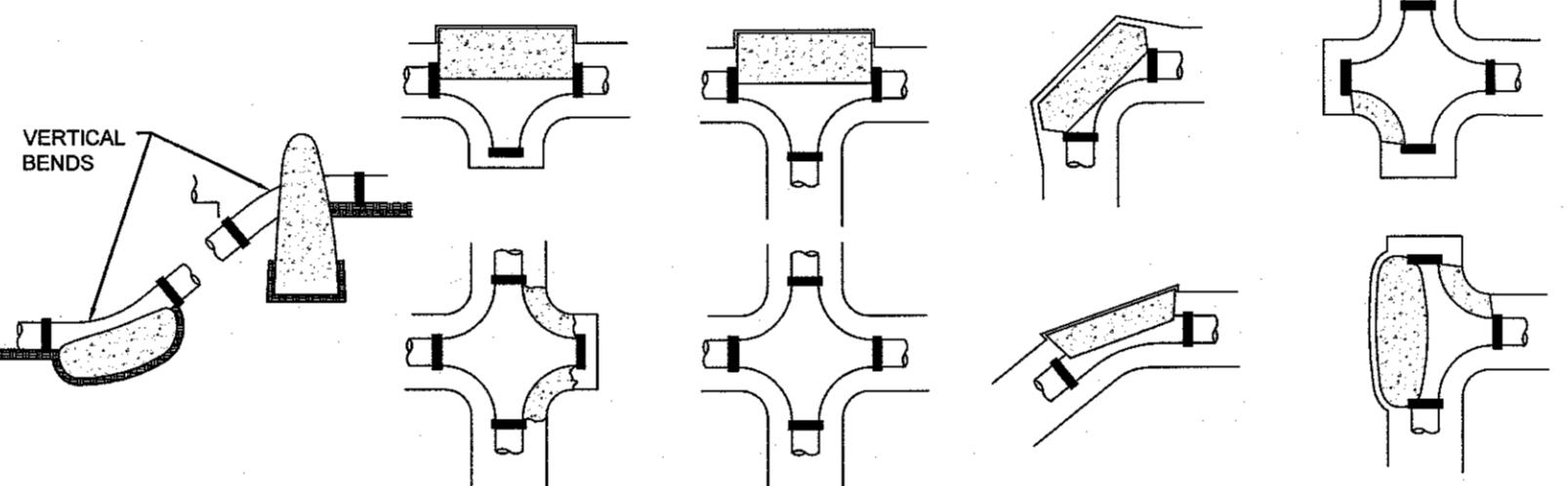
**LINED SAND FILTER CROSS SECTION**  
SCALE: NOT TO SCALE

RESTRAINED LENGTH TABLE		
PIPE SIZE	FIXTURE	REQ'D RESTRAINED LENGTH
6"	CAP	40'
6"	90° BEND	19' IN EACH DIRECTION
6"	45° BEND	8' IN EACH DIRECTION
6"	22.5° BEND	4' IN EACH DIRECTION
6"	11.25° BEND	2' IN EACH DIRECTION

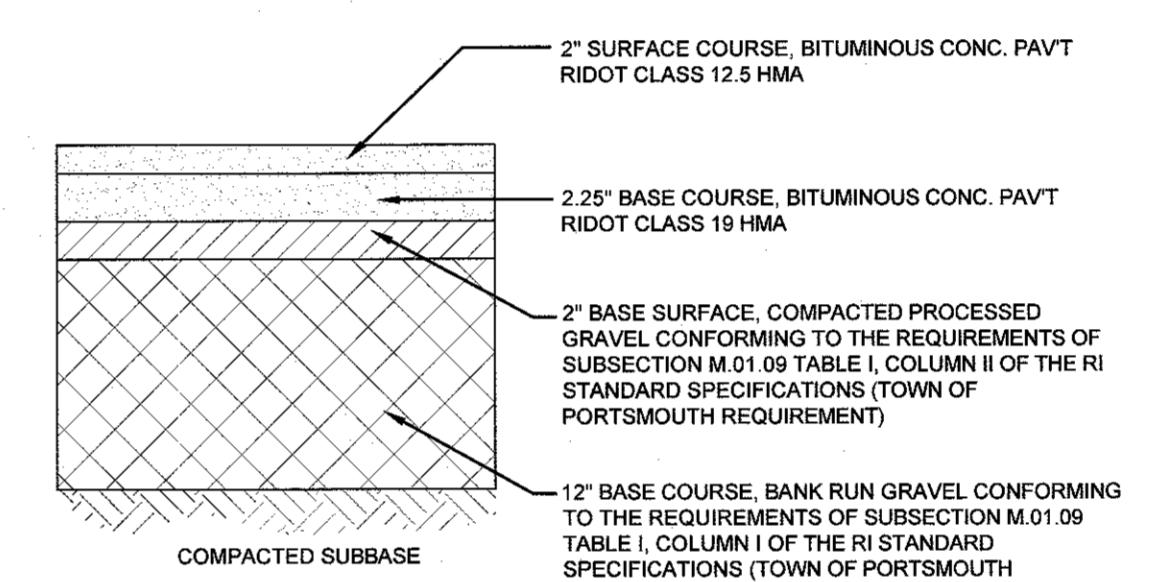
SQUARE FEET OF CONCRETE THRUST BLOCKING ON UNDISTURBED MATERIAL		
REACTION TYPE	PIPE SIZE	
	6"	8"
A 180°	5.5	21.6
B 180°	3.9	15.0
C 45°	3.0	11.7
D 22.5°	1.5	5.9
E 11.25°	0.8	3.0

**NOTES:**

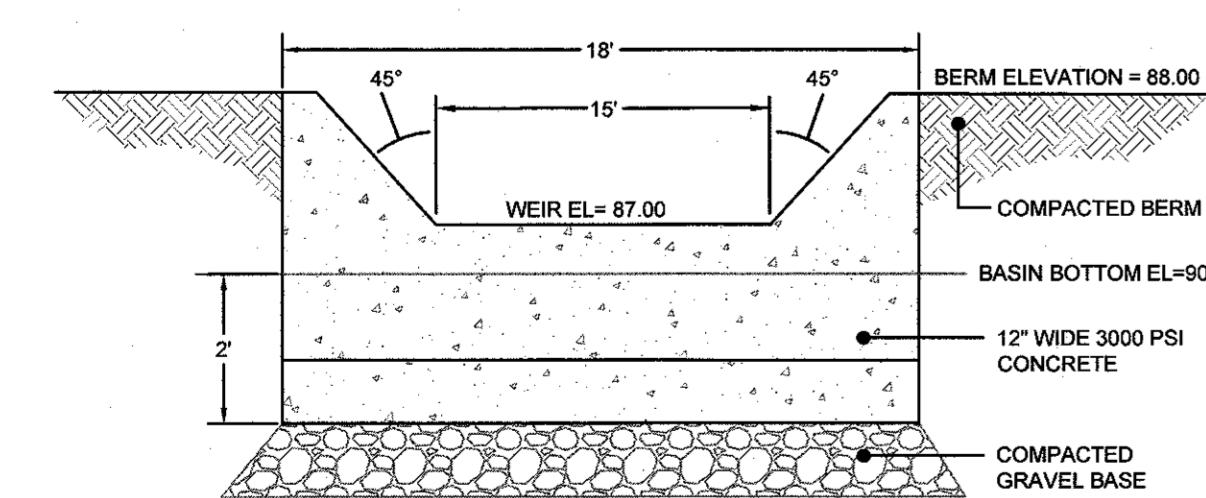
1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL, MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
3. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS.
4. WHERE M.J. PIPE IS USED, M.J. PLUG WITH RETAINER GLAND MAY BE SUBSTITUTED FOR END BLOCKING.



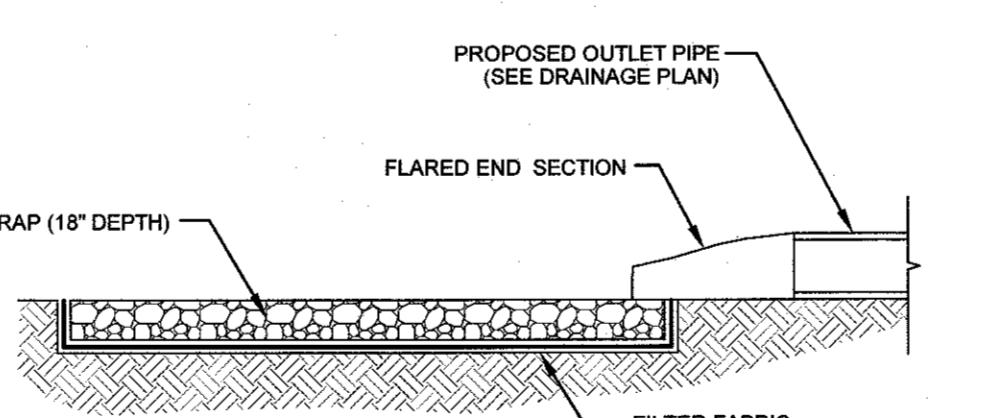
**THRUST BLOCKING DETAIL**  
SCALE: NOT TO SCALE



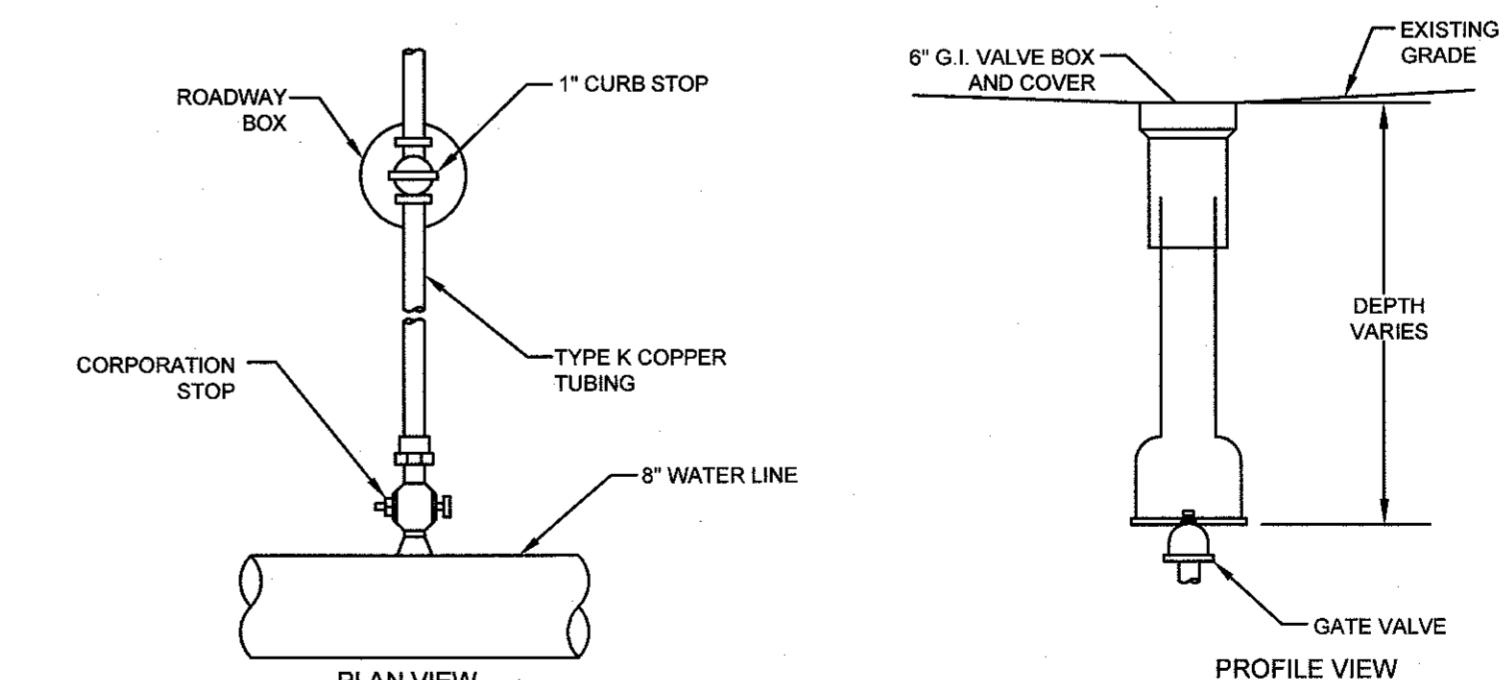
**TYPICAL BITUMINOUS PAVEMENT SECTION  
FOR INTERIOR ROADWAY**  
SCALE: NOT TO SCALE



**DETENTION BASIN CONCRETE WEIR DETAIL**  
SCALE: NOT TO SCALE



**BASIN INLET FLARED END SECTION**  
SCALE: NOT TO SCALE



**WATER SERVICE CURB STOP**  
SCALE: NOT TO SCALE

3	RIDEM REVISIONS	12APR17
2	RIDOT SUBMISSION	31MAR17
1	RIDEM AND RIDOT SUBMISSIONS	20MAR17
No.	Revision	Date App.
Designed By:	JJR	Drawn by: JJR Checked by: GES
Scale:	AS SHOWN	Date: 24JAN17

Project Title: **HIGHLANDS AT PRESCOTT POINT**  
A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

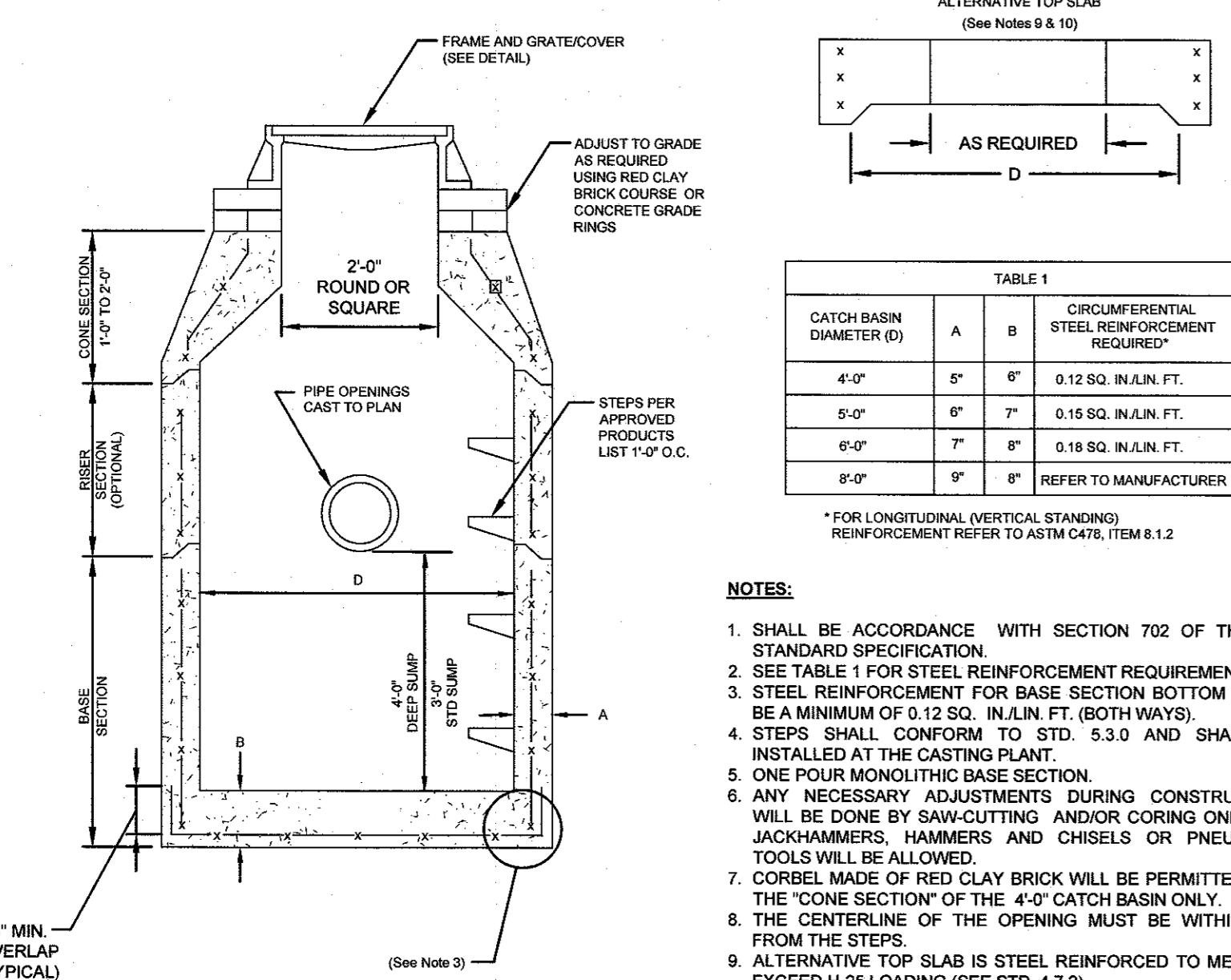
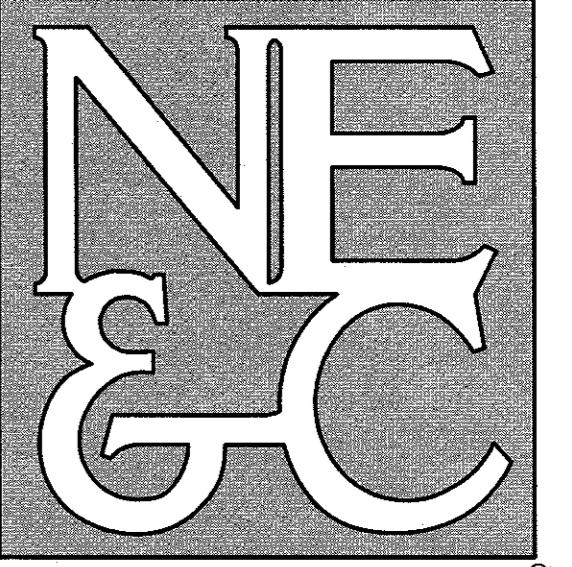
Applicant: HIGHLANDS AT PRESCOTT POINT, LLC  
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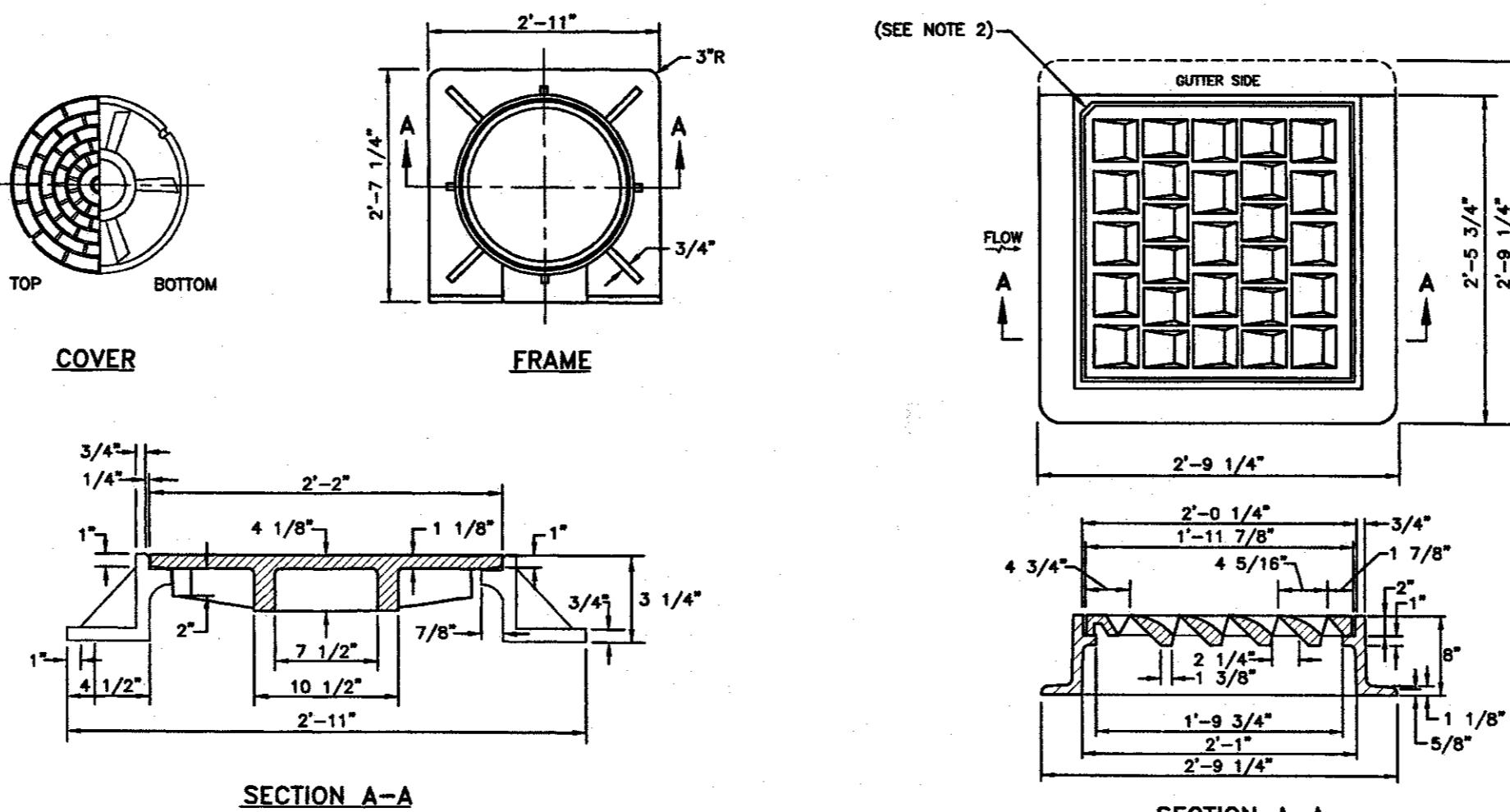
Drawing Title: **DETAIL SHEET 1**

Drawing Number: C-9
Sheet 9 of 12
Project Number: 16102.0
Survey Index: -
No. 9826 REGISTERED PROFESSIONAL ENGINEER JEREMY J. ROSA

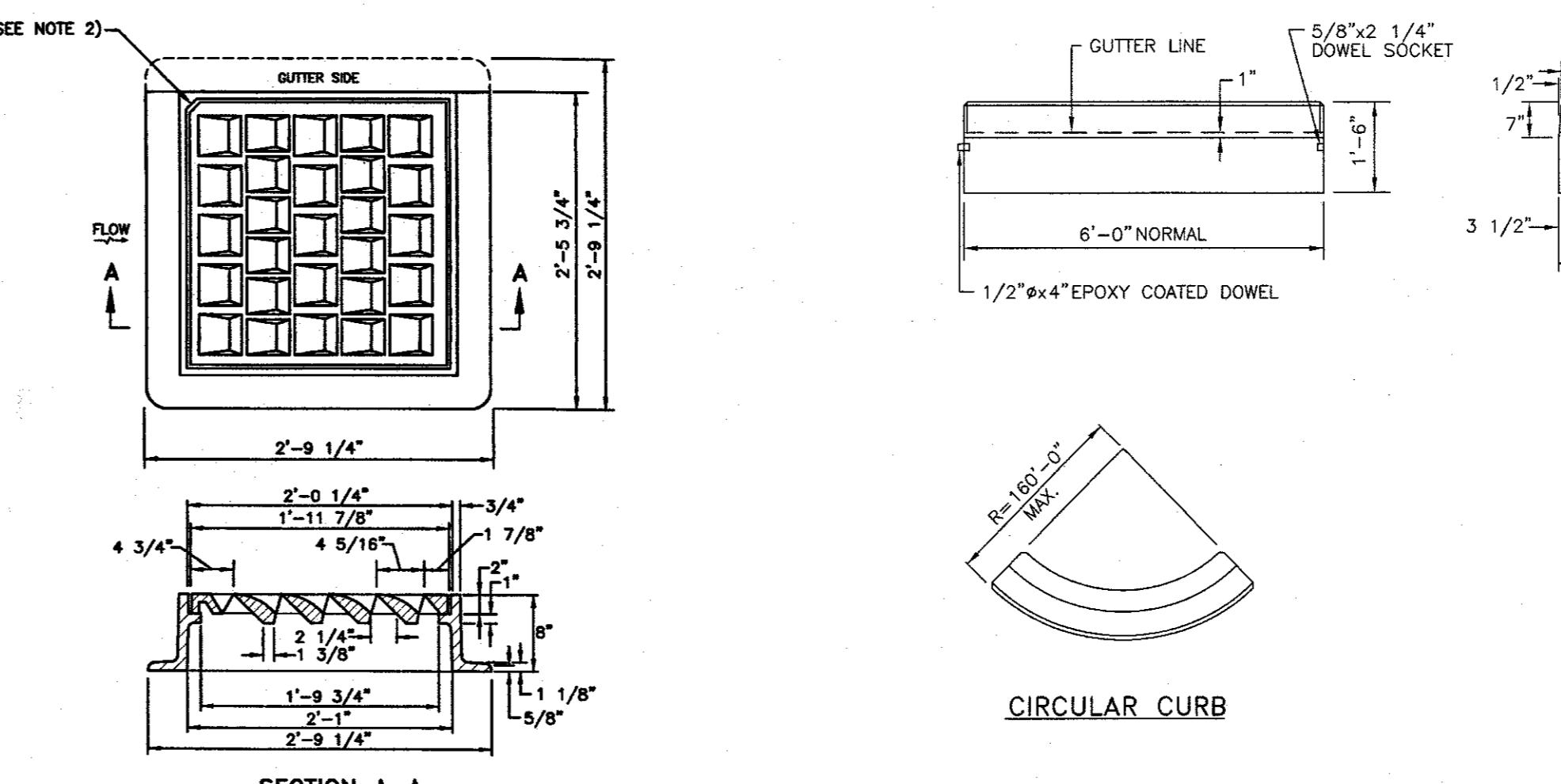
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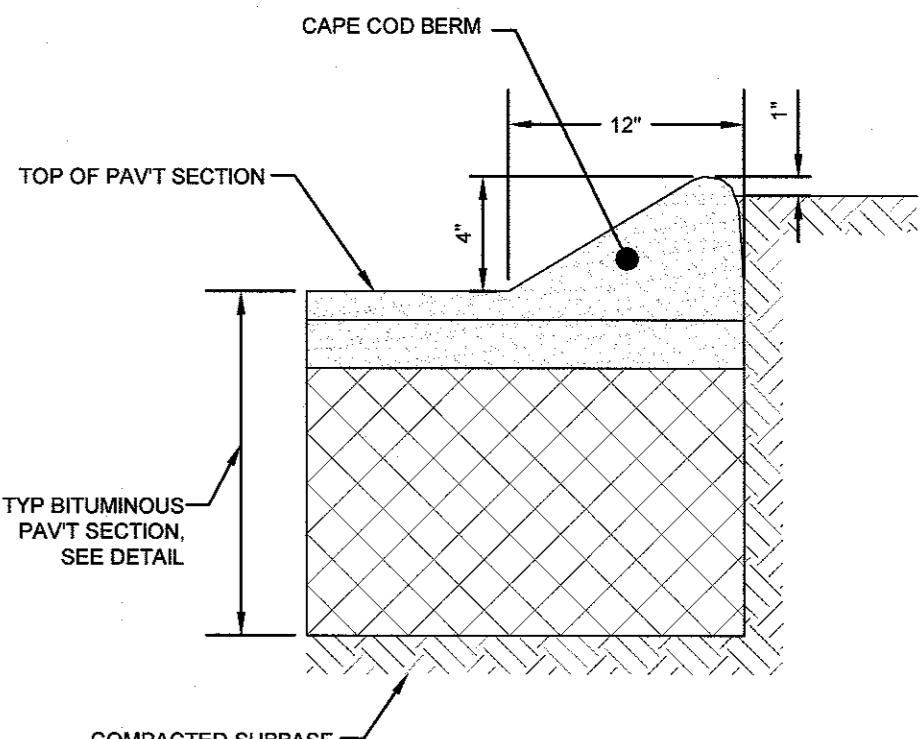
**PRECAST ROUND CATCH BASIN & DRAIN MANHOLE (RIDOT 4.4.0)**  
SCALE: NOT TO SCALE



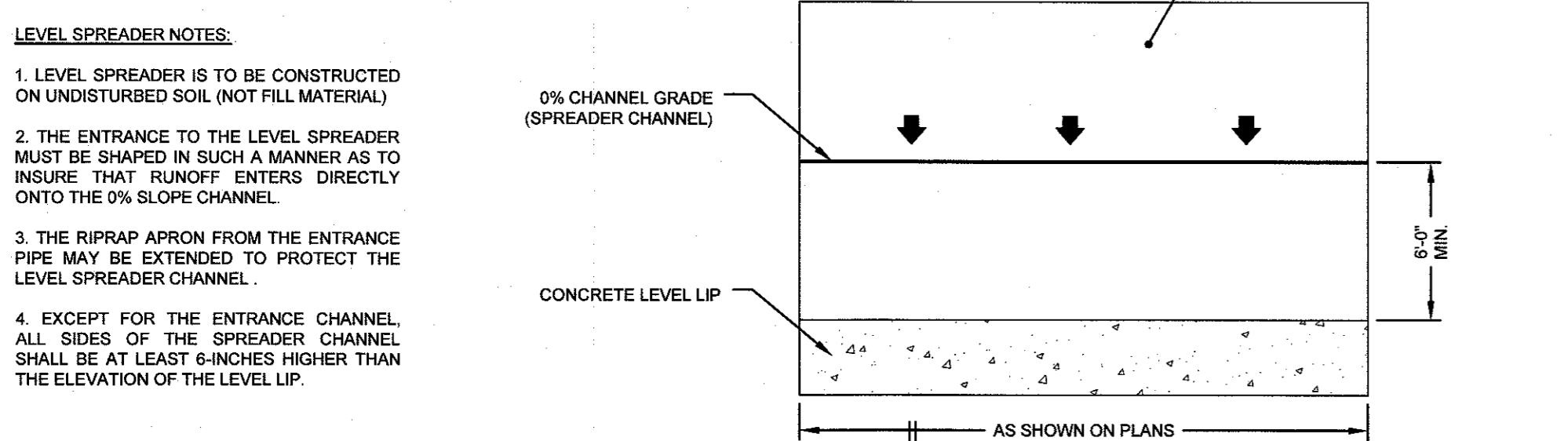
**HEAVY DUTY SQUARE FRAME AND ROUND COVER (RIDOT 6.1.1)**  
SCALE: NOT TO SCALE  
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



**HIGH CAPACITY BICYCLE SAFE FRAME AND GRATE (RIDOT 6.3.4)**  
SCALE: NOT TO SCALE  
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



**TYPICAL CAPE COD BERM**  
SCALE: NOT TO SCALE



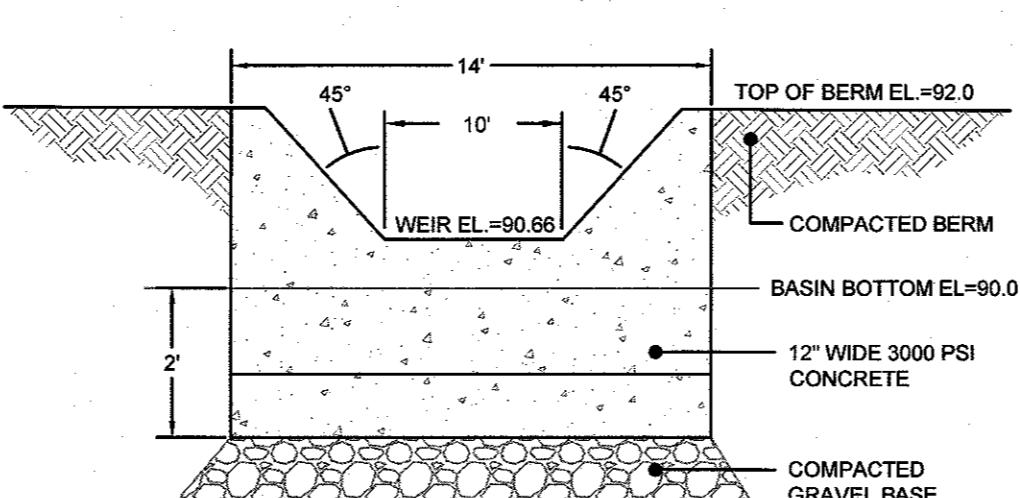
**LEVEL SPREADER DETAIL**  
SCALE: NOT TO SCALE  
REFER TO SITE PLANS FOR REQUIRED LENGTHS

**NOTES:**

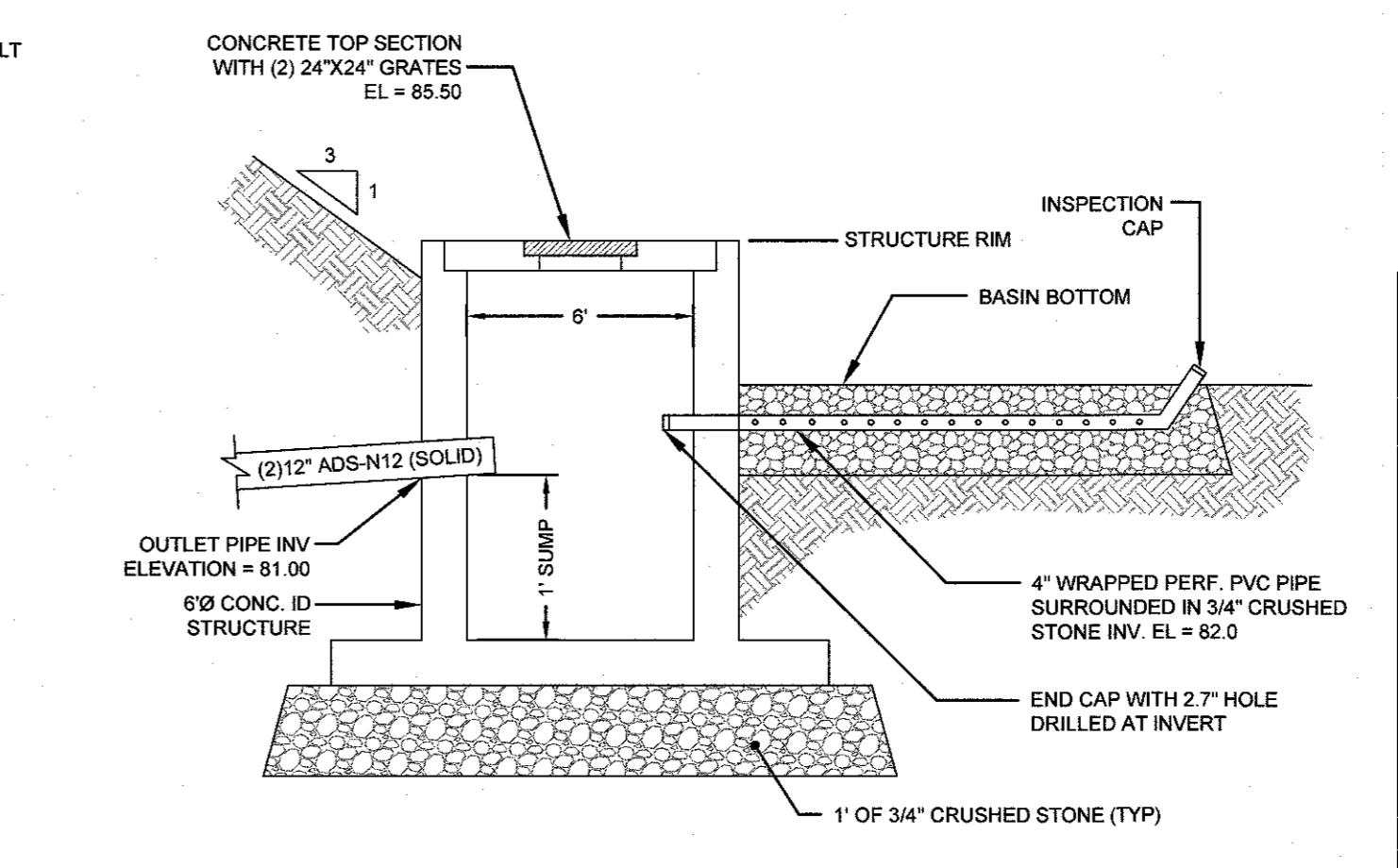
1. LEVEL SPREADER IS TO BE CONSTRUCTED ON UNDISTURBED SOIL (NOT FILL MATERIAL)
2. THE ENTRANCE TO THE LEVEL SPREADER MUST BE SHAPED IN SUCH A MANNER AS TO INSURE THAT RUNOFF ENTERS DIRECTLY ONTO THE 0% SLOPE CHANNEL
3. THE RIPRAP APRON FROM THE ENTRANCE PIPE MAY BE EXTENDED TO PROTECT THE LEVEL SPREADER CHANNEL
4. EXCEPT FOR THE ENTRANCE CHANNEL, ALL SIDES OF THE SPREADER CHANNEL SHALL BE AT LEAST 6-INCHES HIGHER THAN THE ELEVATION OF THE LEVEL SPREADER

10. SIZE AND INVERTS OF INLET AND OUTLET PIPES VARIES.  
REFER TO MANUFACTURER'S SIZING TABLE FOR SNOOT DIMENSIONS.

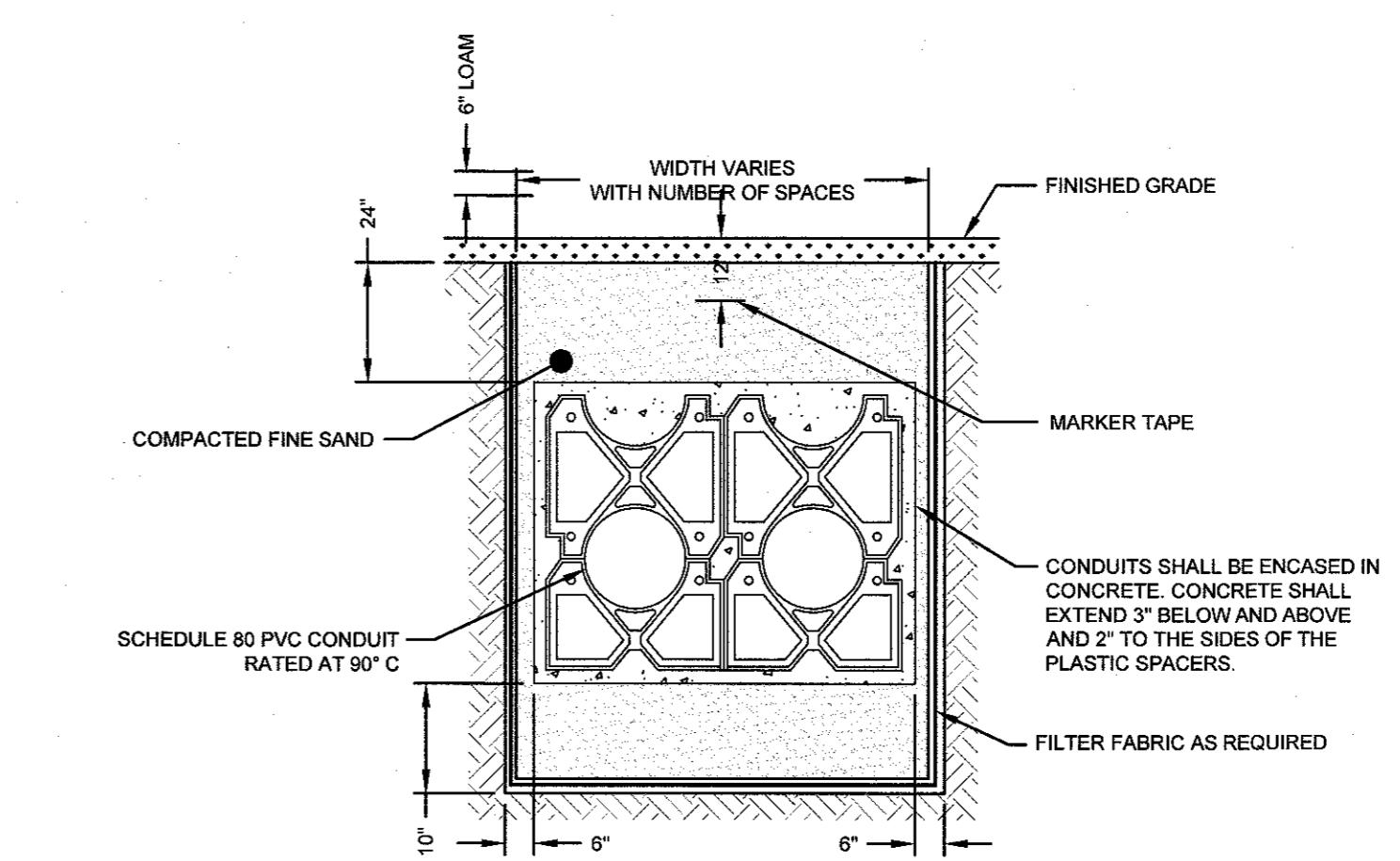
**OIL / WATER HOOD DETAILS**  
SCALE: NOT TO SCALE



**SAND FILTER CONCRETE WEIR DETAIL**  
SCALE: NOT TO SCALE



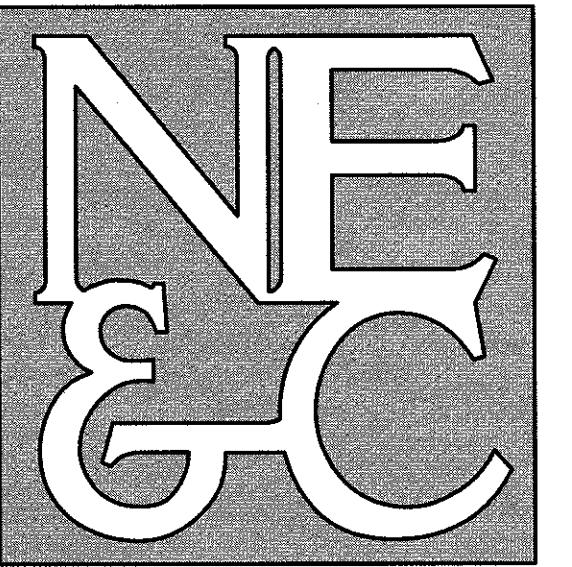
**DETENTION BASIN OUTLET STRUCTURE**  
SCALE: NOT TO SCALE



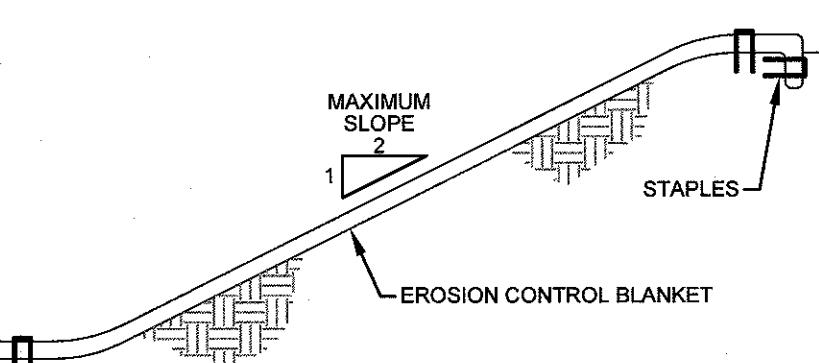
**CONDUIT TRENCH CROSS SECTION**  
SCALE: NOT TO SCALE

Designed By:	JJR	Drawn by:	JJR	Checked by:	GES								
Scale:	AS SHOWN	Date:	24JAN17										
Project Title: <b>HIGHLANDS AT PRESCOTT POINT</b> A.P. 55 LOT 1 2543 WEST MAIN ROAD PORTSMOUTH, RI													
Applicant: HIGHLANDS AT PRESCOTT POINT, LLC 1004 BOSTON NECK ROAD, SUITE 6 NARRAGANSETT RI, 02882													
Issued for: PERMITTING													
Drawing Title: DETAIL SHEET 2													
<table border="1"> <tr> <td colspan="2">Drawing Number: <b>C-10</b></td> </tr> <tr> <td colspan="2">Sheet <b>10</b> of <b>12</b></td> </tr> <tr> <td colspan="2">Project Number: <b>16102.0</b></td> </tr> <tr> <td colspan="2">Survey Index: <b>—</b></td> </tr> </table>						Drawing Number: <b>C-10</b>		Sheet <b>10</b> of <b>12</b>		Project Number: <b>16102.0</b>		Survey Index: <b>—</b>	
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55 JOHN CLARKE ROAD MIDDLETOWN RHODE ISLAND 02842  
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WWW.NORTHEAENGINEERS.COM



CROSS SECTION

NOTES:  
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.  
2. ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.  
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.  
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.  
5. WHEN BLANKETS MUST BE SPLED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

**EROSION CONTROL BLANKET**

3	RIDEM REVISIONS	12APR17
2	RIDOT SUBMISSION	31MAR17
1	RIDEM AND RIDOT SUBMISSIONS	20MAR17
No.	Revision	Date App.
Designed By:	JJR	Drawn by: JJR Checked by: GES
Scale:	AS SHOWN	Date: 24JAN17

Project Title:  
**HIGHLANDS AT PRESCOTT POINT**  
A.P. 55 LOT 1  
2543 WEST MAIN ROAD  
PORTSMOUTH, RI

Applicant:  
HIGHLANDS AT PRESCOTT POINT, LLC  
1004 BOSTON NECK ROAD, SUITE 6  
NARRAGANSETT RI, 02882

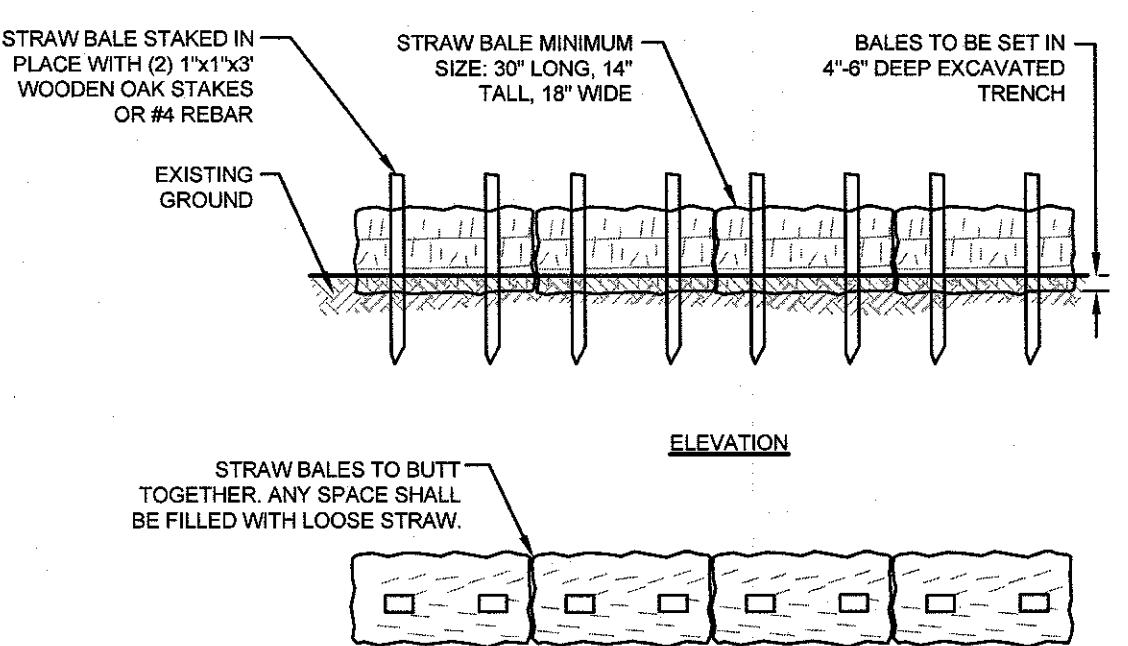
Issued for:  
PERMITTING

Drawing Title:

**DETAIL SHEET 4**

<p>JEREMY J. ROSA No. 9826 REGISTERED PROFESSIONAL ENGINEER 16102.0</p>	<p>Drawing Number: <b>C-12</b></p> <p>Sheet 12 of 12</p> <p>Project Number: <b>16102.0</b></p> <p>Survey Index:</p>
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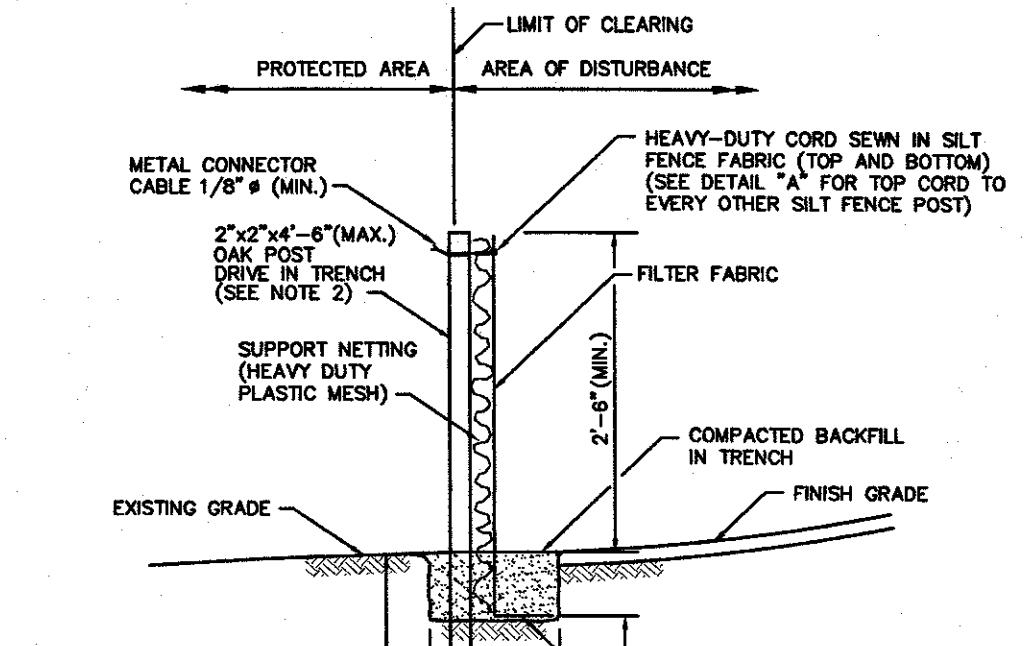
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NOTES:  
1. BALE WEIGHT SHALL NOT BE LESS THAN 50 LBS AND SHALL BE BOUND WITH NO LESS THAN TWO STRINGS OR WIRES CONTAINING A MINIMUM OF FIVE (5) CUBIC FEET OF MATERIAL. MINIMUM DIMENSIONS SHOWN IN DETAIL.  
2. STRAW BALES SHALL BE CERTIFIED AS BEING NOXIOUS WEED-FREE BALES. TO BE "CERTIFIED" MEANS THAT THE PRODUCT IS FREE OF ANY NOXIOUS WEEDS.  
3. STAKES SHALL BE DRIVEN THROUGH STAKES AT A SLIGHT UPSTREAM ANGLE TO PREVENT BALE FROM OVERTURNING.  
4. LOOSE STRAW SHALL BE WEDGED BETWEEN BALES AFTER INSTALLATION.  
5. MATERIAL EXCAVATED FROM TRENCH SHALL BE BACKFILLED, COMPAKTED, AND STABILIZED.

**BALED STRAW EROSION CONTROL BARRIER**

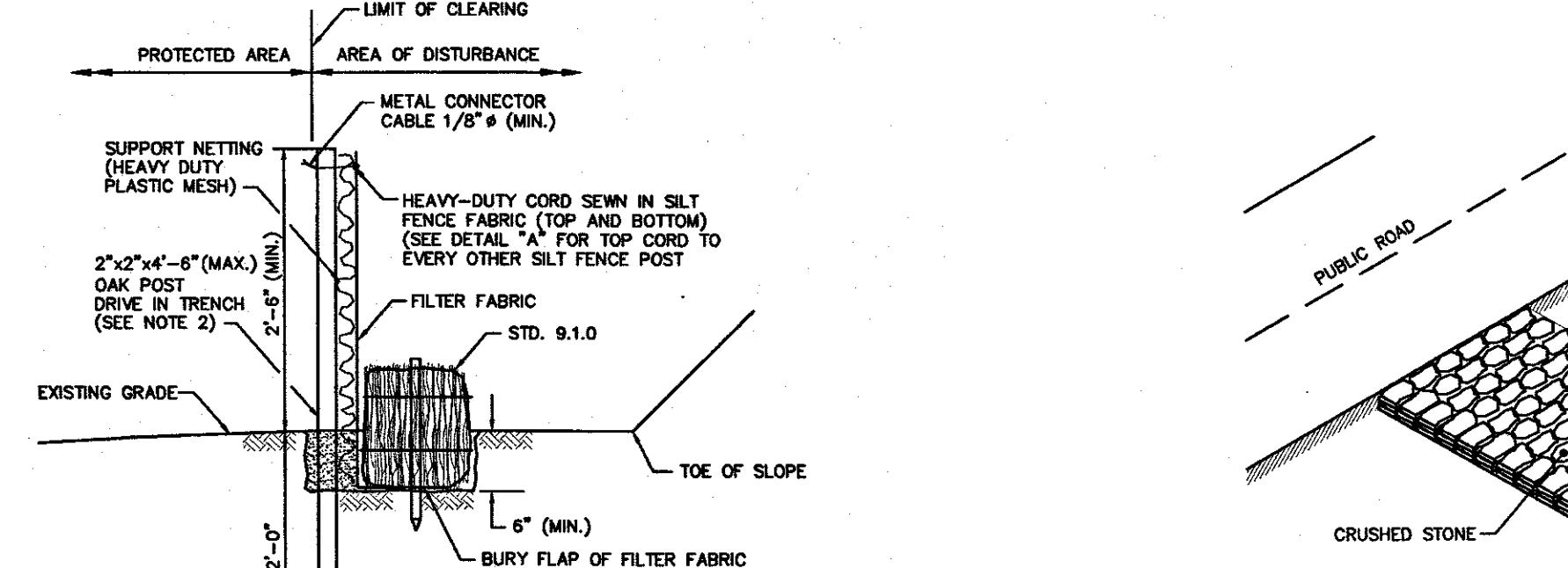
SCALE: NOT TO SCALE



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

**SILT FENCE EROSION CHECK (RIDOT 9.2.0)**

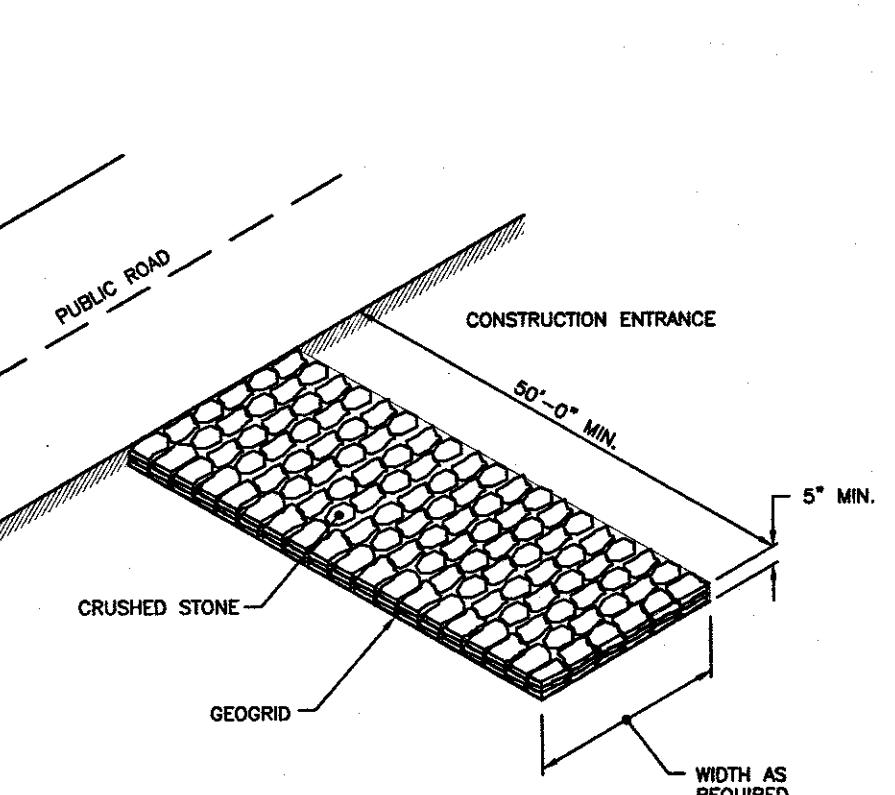
SCALE: NOT TO SCALE  
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



NOTES:  
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.  
2. STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED BACKFILL TO TIGHTNESS AFTER EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SILT. STD. 9.1.0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC AND BURIED IN EXCAVATED BACKFILL. SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN METAL AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREA. SHOWN ON PLANS.  
3. 1" x 1" x 4'-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.  
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

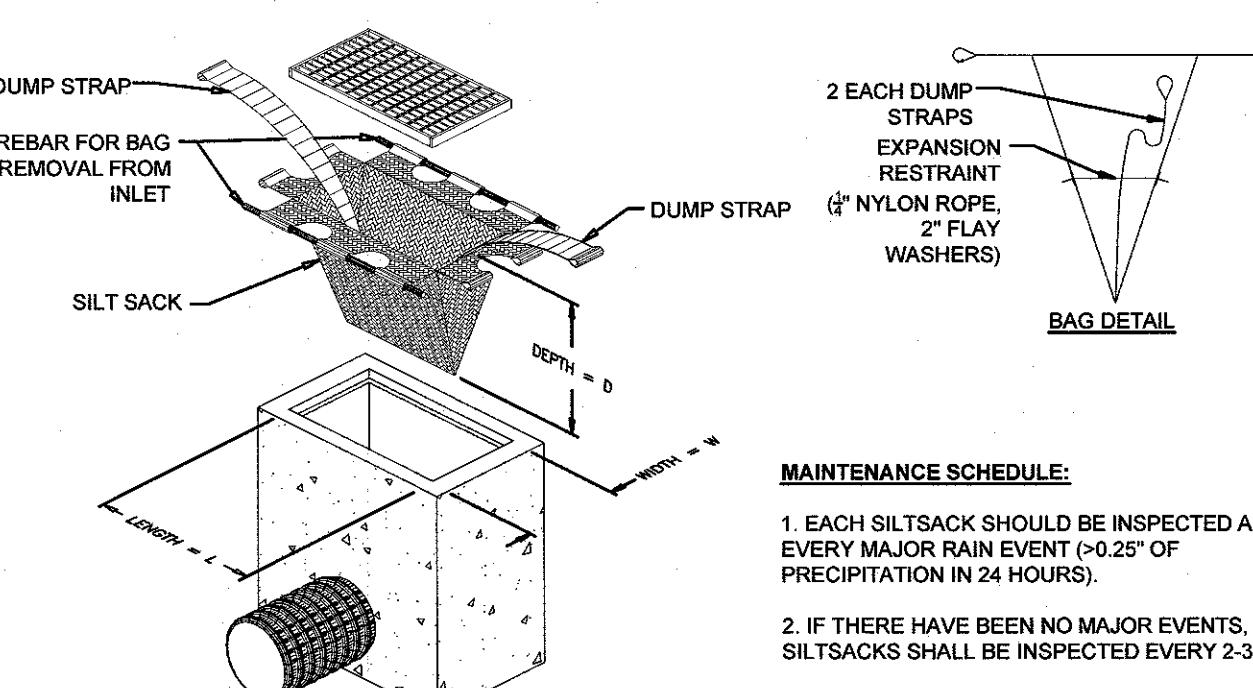
**BALED HAY EROSION CHECK AND SILT FENCE COMBINED (RIDOT 9.3.0)**

SCALE: NOT TO SCALE  
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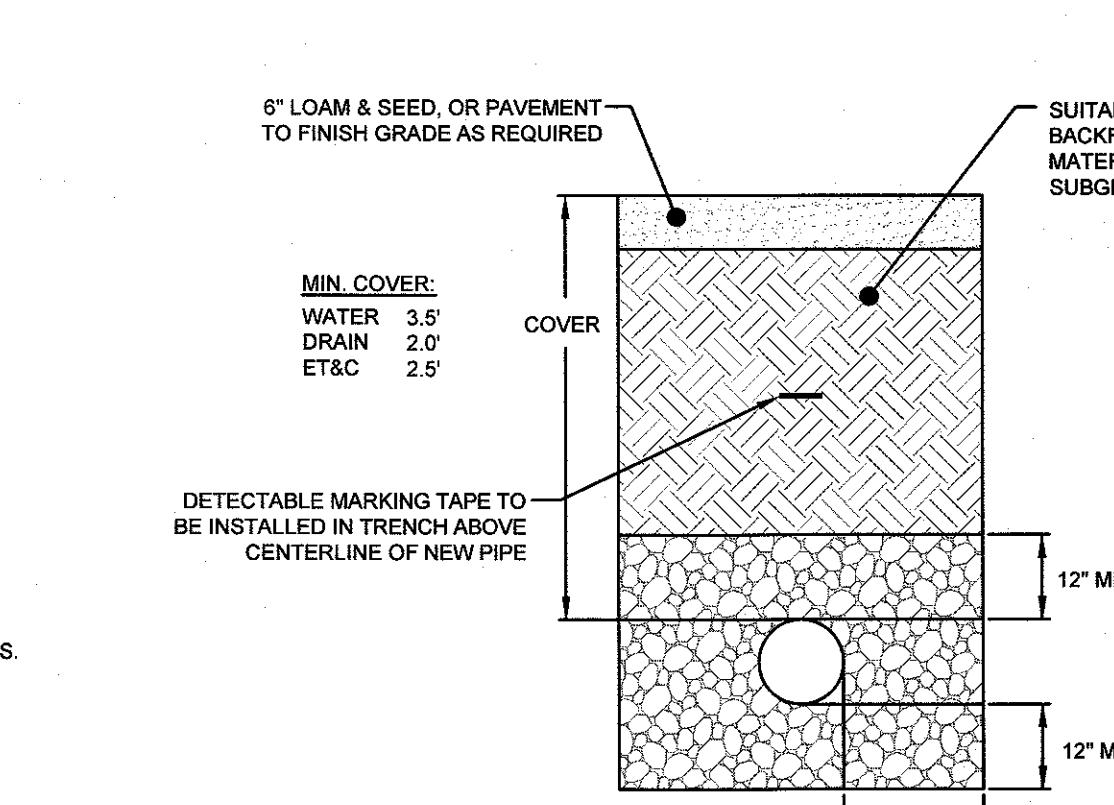
**STONE CONSTRUCTION ACCESS (RIDOT 9.9.0)**

SCALE: NOT TO SCALE  
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



**SILT SACK DETAIL**

SCALE: NOT TO SCALE

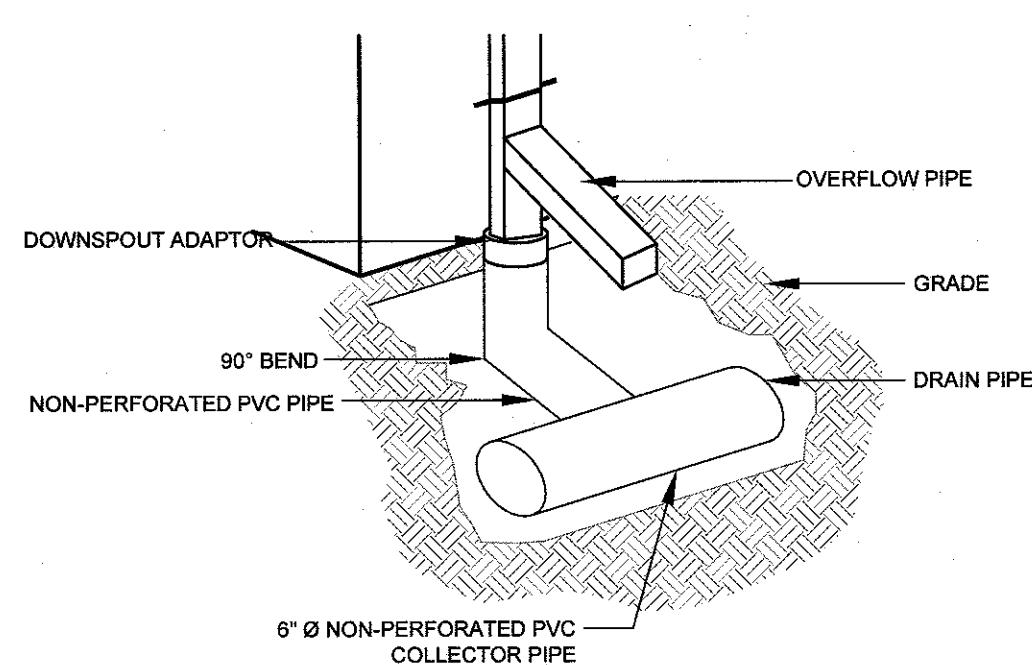


**UTILITY TRENCH DETAIL**

SCALE: NOT TO SCALE

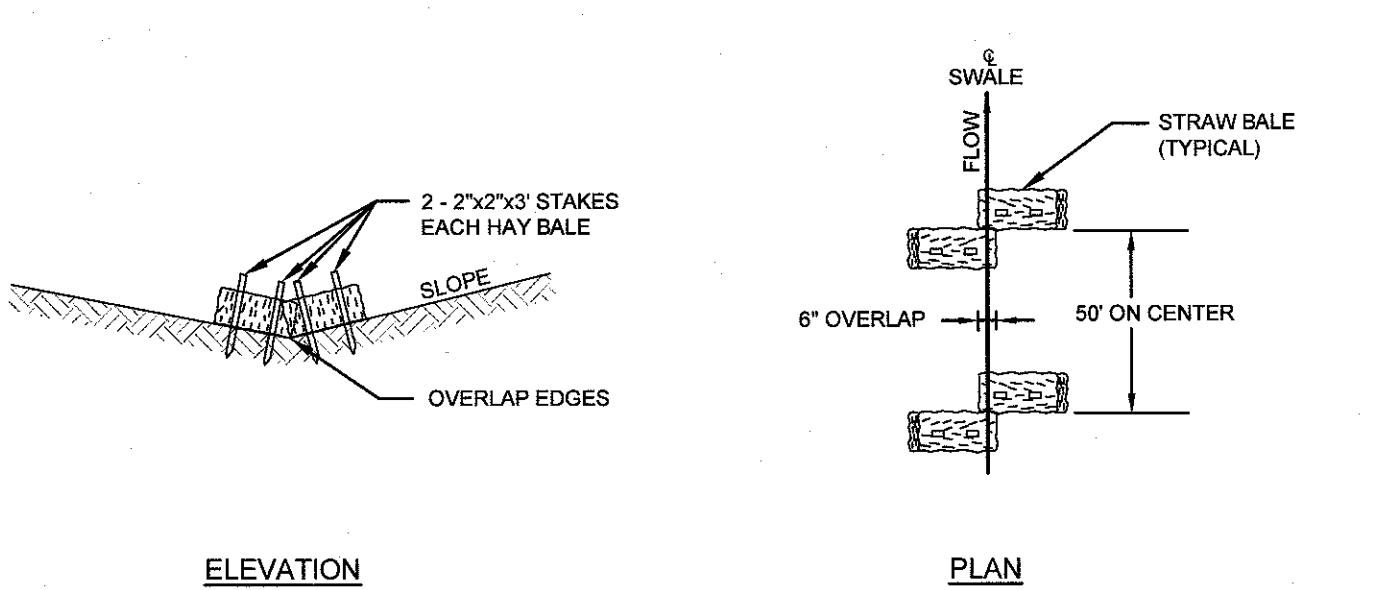
TRENCH NOTES:  
1. UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.  
2. TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.  
3. SEWER AND DRAIN PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE.  
4. ALL PVC SEWER PIPES SHALL BE IPEX RING-TITE SDR 35, OR SIMILAR APPROVED.  
5. ALL DRAIN PIPES SHALL BE ADS N-12 TYPE IB (SOILIGHT) UNLESS OTHERWISE INDICATED.  
6. ALL SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F679.  
7. BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12" IN HEIGHT WHEN INSTALLED UNDER LANDSCAPED AREAS ONLY. INSTALLATIONS UNDER PAVEMENT REQUIRE BACKFILL MATERIAL TO BE PLACED IN LAYERS NOT TO EXCEED 6" IN HEIGHT. THESE LAYERS SHALL BE COMPAKTED TO 95% MAXIMUM DENSITY (AASHTO T180). SUITABLE BACKFILL SHALL BE FREE OF LOAM, CLAY, ORGANIC MATTER AND PARTICLES LARGER THAN 2 INCHES IN DIAMETER.  
8. SEWER AND DRAINAGE PIPE TRENCHES SHALL BE BEDDED WITH CRUSHED STONE OR SCREENED GRAVEL. THESE MATERIALS MUST CONFORM TO RIDOT STANDARD M.01.09 TYPE II MATERIAL.  
9. WATER PIPE TRENCHES MUST BE BEDDED WITH SAND CONTAINING NO PARTICLES LARGER THAN 3/8". THIS MATERIAL MUST CONFORM TO AASHTO M8 REQUIREMENTS.  
10. UTILITY INSTALLATIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE TOWN OF PORTSMOUTH PUBLIC WORKS DEPARTMENT AND NEWPORT WATER RULES AND REGULATIONS.

11. IN TRENCH EXCAVATION IS ADJACENT TO OR UNDER EXISTING STRUCTURES OR FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SHEETING AND BRACING THE EXCAVATION AND STABILIZING THE EXISTING GROUND TO RENDER IT SAFE AND SECURE FROM POSSIBLE SLIDES, CAVE-INS AND SETTLEMENT AND FOR PROPERLY SUPPORTING EXISTING STRUCTURES AND FACILITIES WITH BEAMS, STRUTS OR UNDERPINNING TO FULLY PROTECT THEM FROM DAMAGE.



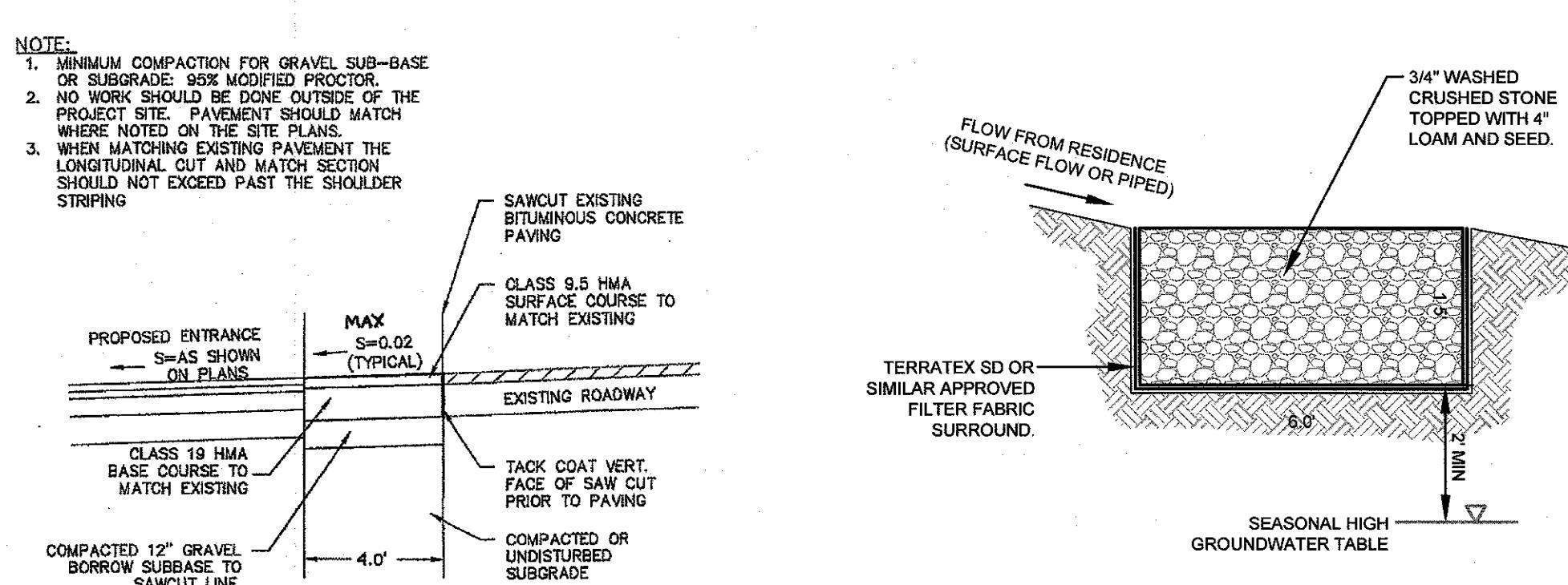
**ROOF DOWNSPOUT DETAIL**

SCALE: NOT TO SCALE



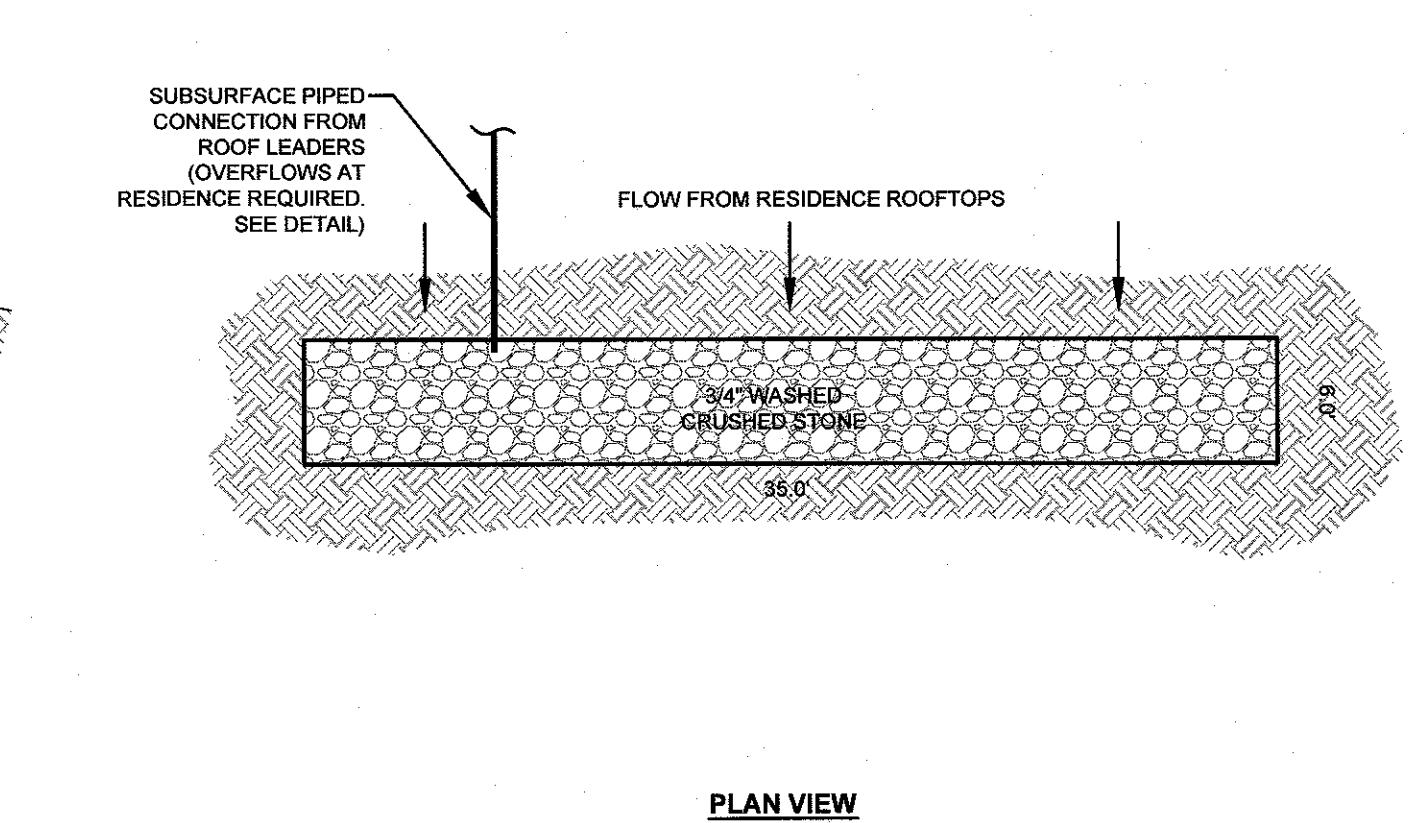
**STRAW BALE CHECK DAM**

SCALE: NOT TO SCALE



**ENTRANCE ACCESS SAWCUT & MATCH DETAIL**

SCALE: NOT TO SCALE



**TYPICAL RESIDENCE STONE TRENCH**

SCALE: NOT TO SCALE