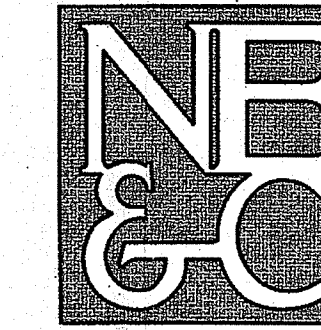


AQUIDNECK GUNSMITHING

**PROPOSED MANUFACTURING FACILITY
ASSESSOR'S PLAT 38 LOT 16
HIGH POINT AVENUE
PORTSMOUTH, RHODE ISLAND**

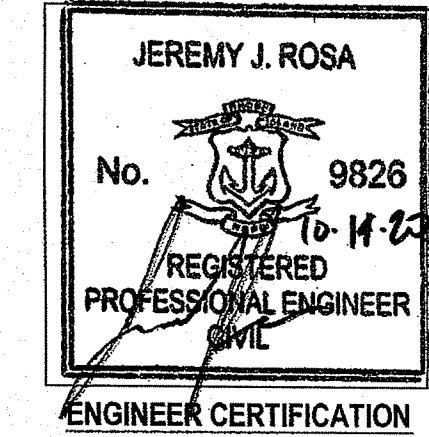
CIVIL ENGINEER:

NORTHEAST ENGINEERS
& CONSULTANTS, INC.



A KNOWLEDGE CORPORATION
6 VALLEY ROAD MIDDLETOWN RI 02842
PHONE (401) 849-0810 FAX (401) 846-4169
WWW.NORTHEASTENGINEERS.COM

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



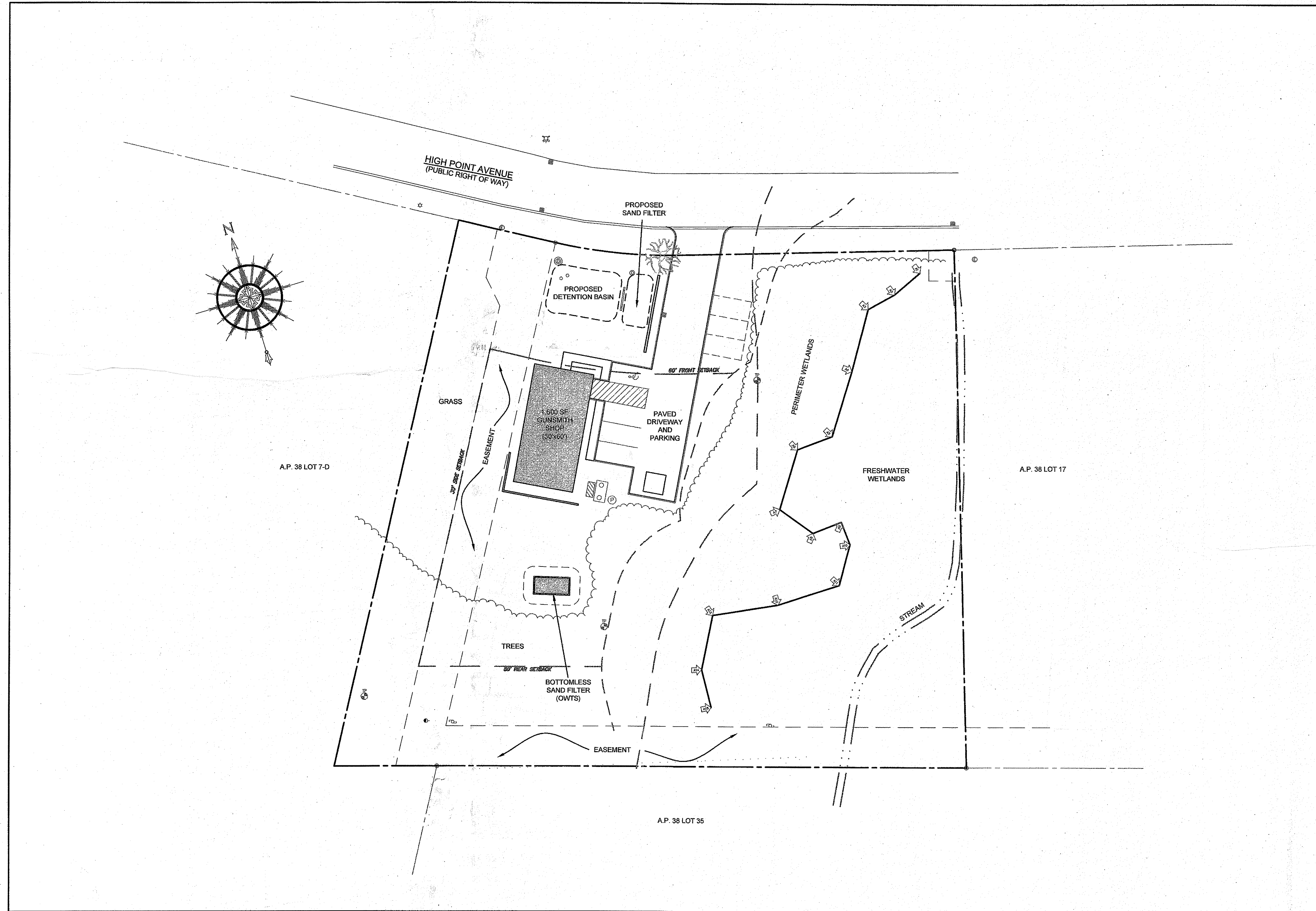
Environmental Management
OCT 21 2020
Office of Water Resources

APPLICANT:

AQUIDNECK GUNSMITHING /
MR. HENRY W. BREYER IV
PO BOX 273
PORTSMOUTH, RI 02871

OWNER:

MR. JEROME R. KIRBY III
20 CHARTIER CIRCLE
NEWPORT, RI 02840



SITE PLAN

SCALE = 1"=30'

OCTOBER 14, 2020 PERMIT SET

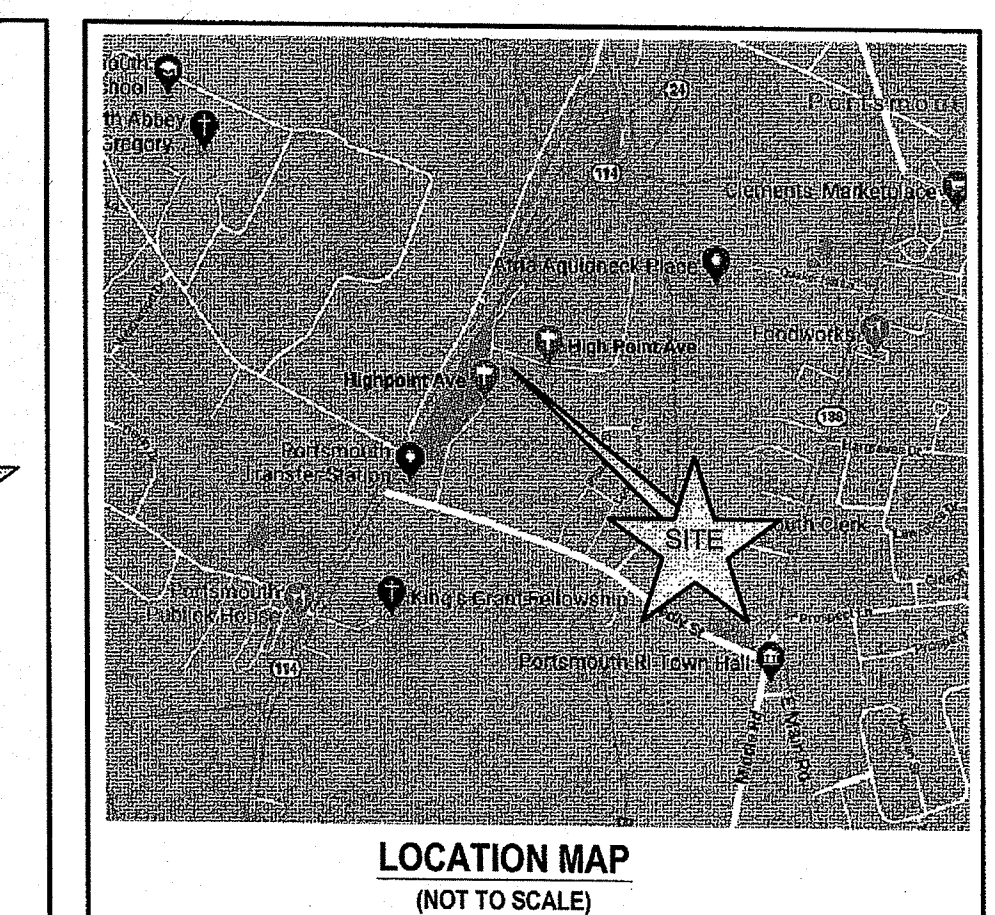
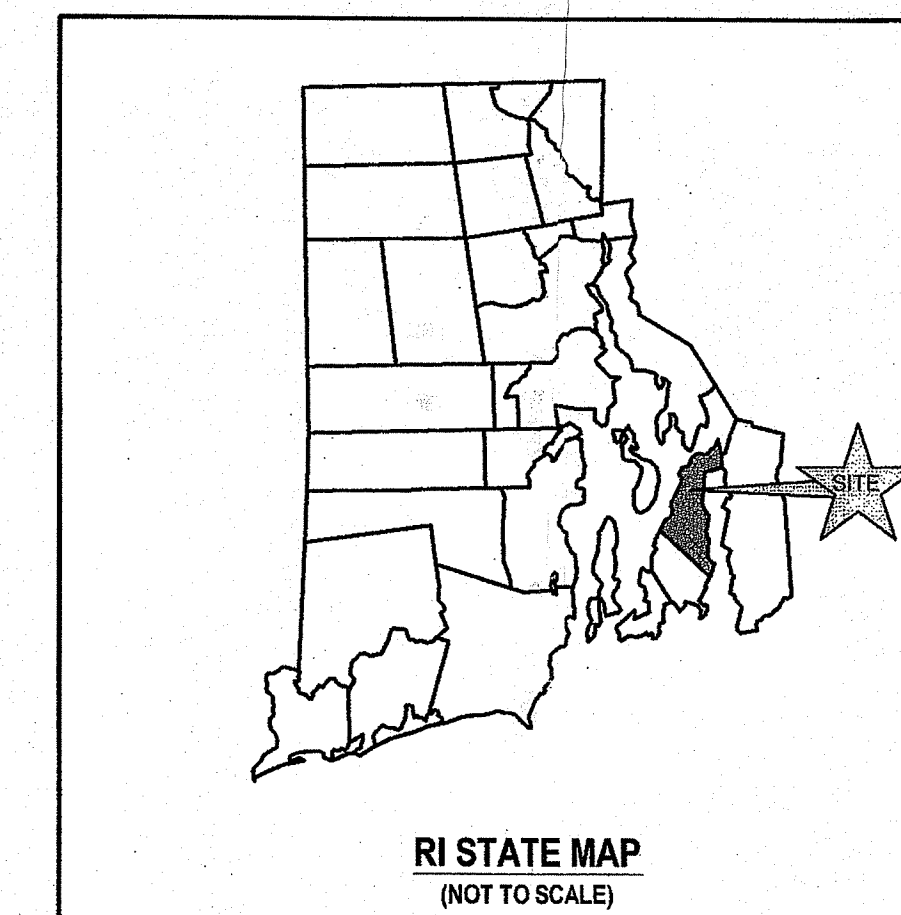
PLAN INDEX

SITE/CIVIL ENGINEERING PLANS

- TITLE SHEET
- NOTES
- EXISTING CONDITIONS
- PROPOSED CONDITIONS PLAN
- PROPOSED DETAILS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
NOV 13 2020
FILE # 20-0192
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Raymond Freeman

- SHEET 1
- SHEET 2
- SHEET 3
- SHEET 4
- SHEETS 5-6



SUBMISSION AND REVISION SUMMARY

AGENCY OR REVISION	DATE:	COMMENTS:
TOWN OF PORTSMOUTH	JUNE 2020	
RIDEM WETLANDS	JULY 2020	
RIDEM WETLANDS	OCT 2020	RESPONSE TO COMMENTS

GENERAL NOTES

- PROPERTY LINES AND EXISTING CONDITIONS FEATURES TAKEN FROM PLAN ENTITLED "JEROME R. KIRBY III, ASSESSOR'S PLAT 38 LOTS 7-D & 16, HIGH POINT AVENUE, PORTSMOUTH, RHODE ISLAND, ADMINISTRATIVE SUBDIVISION", A CLASS I PLAN OF SURVEY PREPARED BY NATIONAL SURVEYORS-DEVELOPERS, INC. CERTIFIED 11/11/19.
- VERTICAL DATUM IS ASSUMED.
- NORTH ARROW TAKEN FROM PLAN INDICATED IN NOTE #1.
- SOIL EVALUATIONS PERFORMED BY A LICENSED CLASS IV EVALUATOR IN APRIL 2020.
- PROPERTY IS LOCATED WITH IN A FEMA ZONE "X" PER FEMA FIRM 44005C0082J, MAP EFFECTIVE SEPTEMBER 4, 2013.
- 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 CONTRACTORS RESPONSIBILITY. PERSONAL INJURY RESULTING FROM CONTACT WITH EXISTING UTILITIES SHALL BE THE CONTRACTORS RESPONSIBILITY. WHEREVER CONNECTION OF NEW UTILITIES TO EXISTING 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 PROPERTY MONUMENTS.
- MONUMENTATION THAT IS 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 MIDDLETOWN OR THE OWNER AS APPROPRIATE.
- 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 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."
- ANY AND ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION INCLUDING ALL REVISIONS.

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 MUNICIPALITIES, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH THE COMMUNITY NOISE CONTROL STANDARDS.
- THE LIMITS OF DISTURBANCE 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 MUNICIPALITY.
- 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

- ALL PROPOSED UTILITY SERVICES SHOWN ON THESE PLANS SHALL BE COORDINATED WITH THE RESPECTIVE PROVIDERS.
- PROPOSED OWTS SHOWN IS PRELIMINARY AND REQUIRES PERMISSION FROM RIDEM OWTS DIVISION.
- 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 PROPER DISPOSAL OF ALL EFFLUENT ASSOCIATED WITH THE CONSTRUCTION ACTIVITY AND THE DISINFECTATION AND HYDROTASTING 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 PROPOSED DRAIN PIPES ON SITE SHALL BE ADS-N12 TYPE IB OR SCH40 PVC UNLESS OTHERWISE NOTED ON THESE PLANS.
- DRAIN MANHOLE AND CATCH BASIN SHOWN ON PLAN SHALL BE PRECAST CONCRETE. DRAIN BASIN SHALL BE NYLOPLAST ADS.
- ROOFTOP RUNOFF SHALL BE DIRECTED TO GRADE UPSTREAM OF THE PAVEMENT.
- CONNECTION TO MUNICIPAL DRAIN STRUCTURE IN HIGH POINT AVENUE SUBJECT TO REVIEW AND APPROVAL BY PORTSMOUTH DPW.

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

- GENERAL OBJECTIVES:
 - DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
 - TO THE EXTENT PRACTICABLE, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF ACTIVITIES ON ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON EXPOSED SOILS.
 - SITE PREPARATION SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
 - PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED AT DESIGNATED POINT OF ENTRY ONTO THE PROJECT SITE AS SHOWN ON THE SESC PLAN AND SHALL BE USED EXCLUSIVELY.
- CONSTRUCTION SEQUENCE:
 - DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.
 - ALL CONSTRUCTION VEHICLES SHALL ENTER AND LEAVE THE SITE VIA CONSTRUCTION ENTRANCE. ENTRANCE SHALL BE DESIGNED BY THE CONTRACTOR.
 - PRIOR TO ANY CLEARING, GRUBBING, OR EARTHWORK, OR ANY ACTIVITIES WHICH MAY REQUIRE EROSION CONTROL MEASURES, THE CONTRACTOR SHALL FLAG THE WORK LIMITS. AREAS OF DRAINAGE AND OWTS SHALL BE DELINEATED. NO STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR IN THESE AREAS.
 - INSTALL FILTER SOCKS (OR APPROVED EQUIVALENT BARRIERS) AND SILT SACKS AS INDICATED ON THE DRAWINGS TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF DOWNSTREAM AREAS PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - REMOVE VEGETATION ONLY WHERE NECESSARY.
 - ROUGH GRADE SAND FILTER AND DETENTION BASIN. SAND FILTER ROUGH GRADING SHALL EXTEND TO BOTTOM OF MEDIA ELEVATION.
 - REMOVE AND EXCAVATE AS NECESSARY FOR PARKING AREAS AND BUILDING FOUNDATION. CONTRACTOR TO DELINEATE AREAS FOR STOCKPILE MATERIAL ON SITE FOR REMOVAL. STOCKPILE AREAS SHALL NOT BE UPSTREAM OF PROPOSED DRAINAGE SYSTEMS.
 - START BUILDING CONSTRUCTION.
 - INSTALL DRAINAGE LINES AND STRUCTURES. INSTALLATION SHALL BEGIN AT THE LOWEST POINT AND PROGRESS UPSTREAM.
 - CONSTRUCT UTILITY SERVICE CONNECTIONS AND OWTS.
 - PREPARE PAVEMENT SUBGRADE AND INSTALL GRAVEL BASE PER THE DETAIL PROVIDED.
 - INSTALL BINDER COURSE IN AREAS OF NEW PAVEMENT.
 - INSTALL CURBING AND REMOVE EXCESS MATERIAL FROM SITE.
 - LOAM AND SEED GRASS AREAS.
 - COMPLETE ALL PROJECT LANDSCAPING.
 - REMOVE SEDIMENTS FROM DRAINAGE SYSTEM AND INSTALL SAND MEDIA LAYER PER DETAIL PROVIDED. LOAM AND SEED SAND FILTER.
 - TOP PAVEMENT COURSE AND MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.
- EARTHWORK NOTES:
 - DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS SHOWN. 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.
 - AREAS OF DRAINAGE AND SEPTIC SYSTEMS SHALL NOT BE USED FOR LONG TERM STOCKPILES OR STORAGE OF MATERIALS OR EQUIPMENT.
 - 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 COMPACTED TO 95% MAX. DENSITY TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBSIDENCE, OR OTHER RELATED PROBLEMS.
 - ALL FILL SHALL BE PLACED AND COMPACTED 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:

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 LBS/ACRE
 - STRAW MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.

PERMANENT MEASURES:

 - SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 3 HORIZONTAL UNLESS OTHERWISE SPECIFIED.
 - LOAM AND SEED REQUIREMENTS ARE SPECIFIED IN RIDOT L 01 & L 02.
 - 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.
 - SEED MIXTURE SHALL CONFORM TO DOT ALL-PURPOSE SEED MIX OR MEADOW MIX APPROVED BY THE TOWN ENGINEER.
 - OPTIMUM TIMING SHALL BE EARLY SPRING. SEEDING NOT PERFORMED DURING THIS TIME FRAME MAY REQUIRE RE-SEEDING DURING THE FOLLOWING SPRING.
- 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 FILTER SOCK BARRIERS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND / OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT. SEDIMENT TRAPPED BEHIND THE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REGRADED ON THE SITE.
 - DURING CONSTRUCTION THE ENTRANCE SHALL BE INSPECTED WEEKLY. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSINGS WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS MUST BE REMOVED IMMEDIATELY. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. PERIODIC INSPECTIONS SHALL ALSO BE PERFORMED AFTER EACH RAINFALL EVENT.
 - 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 A 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.
 - ANY STABILIZED STONE CONSTRUCTION ENTRANCE INSTALLED BY THE CONTRACTOR SHALL BE REMOVED PRIOR TO PAVING.
 - SEEDING AREAS WILL BE FERTILIZED AND RESEED AS NECESSARY TO INSURE ESTABLISHMENT OF A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN BUILDING OFFICIAL.

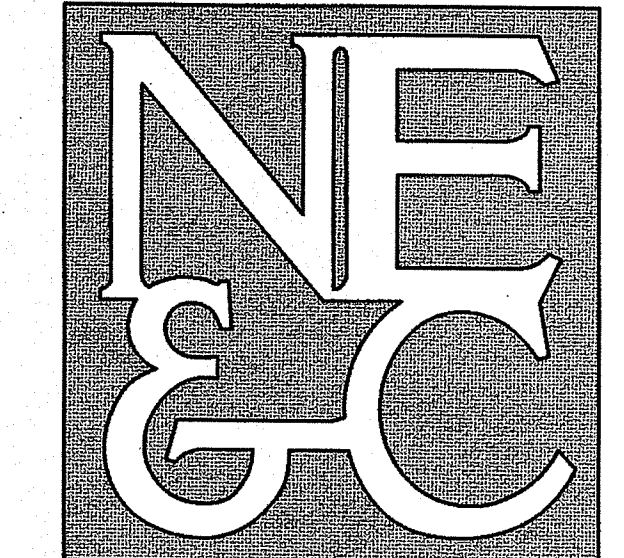
STORMWATER MAINTENANCE NOTES

- SAND FILTER MAINTENANCE:
 - GRASSES AND/OR SPECIFIED VEGETATION SHALL BE PLANTED AROUND AND WITHIN THE FILTER IMMEDIATELY FOLLOWING CONSTRUCTION TO STABILIZE SLOPES AND PREVENT EROSION.
 - THE SAND FILTER SHOULD BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEMS ARE FUNCTIONING PROPERLY. THEREAFTER, THE FILTER SHOULD BE INSPECTED AT LEAST ANNUALLY AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.8 INCHES). SEDIMENTS COLLECTED WITHIN THE TOP STRATA OF THE FILTER SHALL BE REMOVED ON AN ANNUAL BASIS AND STOCKPILED ON SITE. THESE SEDIMENTS SHALL BE USED FOR GRADING ERODED AREAS ON SITE, OR SHALL BE DISPOSED OF AT A LICENSED OFF-SITE FACILITY IF NOT NEEDED.
 - THE FOLLOWING SHALL ALSO BE COMPLETED ON AN ANNUAL BASIS:
 - THE SLOPES OF THE FILTER SHOULD BE INSPECTED FOR EROSION AND GULLING.
 - REINFORCE 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 GULLING SHALL BE REPLENISHED WITH THE ORIGINAL DESIGN MATERIAL AND RE-VEGETATED ACCORDING TO DESIGN DRAWINGS. SLOPE PROTECTION MATERIAL SHALL BE PLACED IN AREAS PRONE TO EROSION. EMBANKMENT STABILITY SHOULD BE INSPECTED FOR SEEPAGE AND BURROWING ANIMALS.
 - MOW THE GRASS AROUND THE PERIMETER OF THE FILTER. SEED BARE AREAS, AND REMOVE LITTER AND DEBRIS AT LEAST THREE TIMES PER GROWING SEASON. REMOVE ANY INVASIVE VEGETATION WITHIN THE EXTENTS OF THE FILTER. ANY INVASIVE VEGETATION ENCRACING UPON THE PERIMETER OF THE FILTER SHOULD BE PRUNED OR REMOVED IF IT IS PROHIBITING ACCESS TO THE FILTERS, COMPROMISING SIGHT VISIBILITY, AND/OR COMPROMISING THE ORIGINAL DESIGN INTENT.
 - SILT/SEDIMENT SHOULD BE REMOVED FROM THE FILTER BED ANNUALLY, WHEN ACCUMULATION EXCEEDS 1 INCH, OR WHEN THE FILTERING CAPACITY DIMINISHES SUBSTANTIALLY.
 - IF AT LEAST 50 PERCENT VEGETATION COVERAGE IS NOT ESTABLISHED AFTER TWO YEARS, A REINFORCEMENT SEEDING SHALL BE PERFORMED.
 - IF THE SURFACE OF THE SAND FILTER BECOMES CLOGGED TO THE POINT THAT THE STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE MEDIA LAYER SHALL BE REPLACED AND THE SURFACE RE-LOAMED AND SEEDDED.
 - REMOVE ANY INVASIVE VEGETATION.
- 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 REMEDIATED IMMEDIATELY.
 - CONVEYANCE PIPES AND OUTLET STRUCTURES SHOULD BE INSPECTED BIANNUALLY. ANY STRUCTURAL FAULTS SHOULD BE REPAIRED AS NECESSARY FOR PROPER FUNCTION OF THE STRUCTURE.
- RIPRAP SPILLWAY MAINTENANCE:
 - A SPILLWAY SHOULD BE INSPECTED ANNUALLY FOR EROSION AND DETERIORATION. RIPRAP SHOULD BE REPLACED IN KIND AS NECESSARY TO COMPLETELY COVER THE SPILLWAY IN THE DIMENSIONS DESCRIBED 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.
- UPON COMPLETION OF THE CONSTRUCTION, MAINTENANCE OF THE STORMWATER SYSTEM SHALL BECOME THE RESPONSIBILITY OF THE OWNER.

ABBREVIATIONS

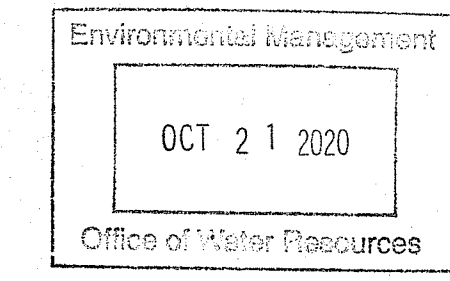
AC	ASPHALT PAVEMENT
ADJ	ADJACENT
AP	ASSESSOR'S PLAT
ACCESS	ACCESSIBLE
ARCH	ARCHITECT
BC	BOTTOM OF CURB
BH	BORING HOLE
BIT	BITUMINOUS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN	CONNECT
COTG	CLEAN OUT TO GRADE
CF	CUBIC FOOT
DEMO	DEMOLISH
DI	DRAIN INLET
DIA	DIAMETER
DMH	DRAIN MANHOLE
DP	DROP PIPE
DS	DOWN SPOUT
DWG	DRAWING
E	ELECTRIC
ELEV/EL	ELEVATION
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EQ	EQUAL
EXIST	EXISTING
EXP	EXPANSION
FFE	FINISH FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FT	FEET
G	GAS
GAL	GALLON
GV	GATE VALVE
INV	INVERT
JT	JOINT
L	LENGTH
LAND	LANDSCAPE
NTS	NOT TO SCALE
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
PAVT	PAVEMENT
PVC	POLYVINYLCHLORIDE
R	RADIUS
RC	REINFORCED CONCRETE
RECONN	RECONNECT
RHIB	RHODE ISLAND HIGHWAY BOUND
RIBOT	RHODE ISLAND DEPARTMENT OF TRANSPORTATION
ROW	RIGHT OF WAY
S	SLOPE, SEWER
SF	SQUARE FEET
SHT	SHEET
SMH	SEWER MANHOLE
STA	STATION
STRUCT	STRUCTURAL
TC	TOP OF CURB
TOP	TOP OF SURFACE
UCIT	UNDERGROUND TELEPHONE
TYP	TYPICAL
W	WATER
WWM	WELDED WIRE MESH

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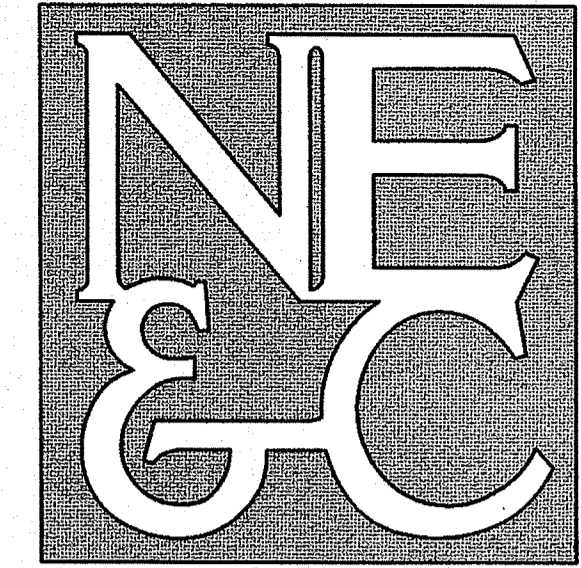
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- LAND PLANNING
- WATERFRONT
- SURVEYING
- GEOTECHNICAL
- ENVIRONMENTAL
- TRANSPORTATION
- STRUCTURAL

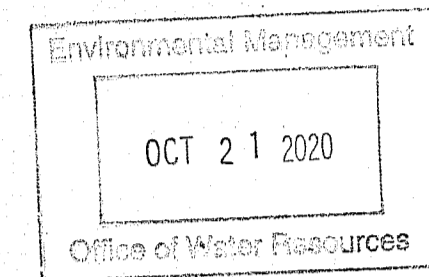
No.	Revision	Date	App.
Designed By: JJR	Drawn by: JJR	Checked by: GES	
Scale: N/A	Date: 15JUN20		
Project Title:			
AQUIDNECK GUNSMITHING			
A.P. 38 LOT 16			
HIGH POINT AVENUE PORTSMOUTH RHODE ISLAND			
Client:	MR. HENRY W. BREYER IV PO BOX 273 PORTSMOUTH, RI 02871		
Issued for:	PERMITTING		
Drawing Title:	PROJECT NOTES		
Drawing Number:	C-2		
Sheet	2 of 6		
Project Number:	20036.0		
Survey Index:			
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED NOV 9 2020 FILE # 20-092 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE <i>Nancy Freeman</i>			
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.			



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No.	Revision	Date	App.
Designed By:	JJR	Drawn by:	JJR
Checked by:	GES	Scale:	1"=20'
Date:	15JUN20	Project Title:	

AQUIDNECK GUNSMITHING
 A.P. 38 LOT 16
 HIGH POINT AVENUE
 PORTSMOUTH
 RHODE ISLAND

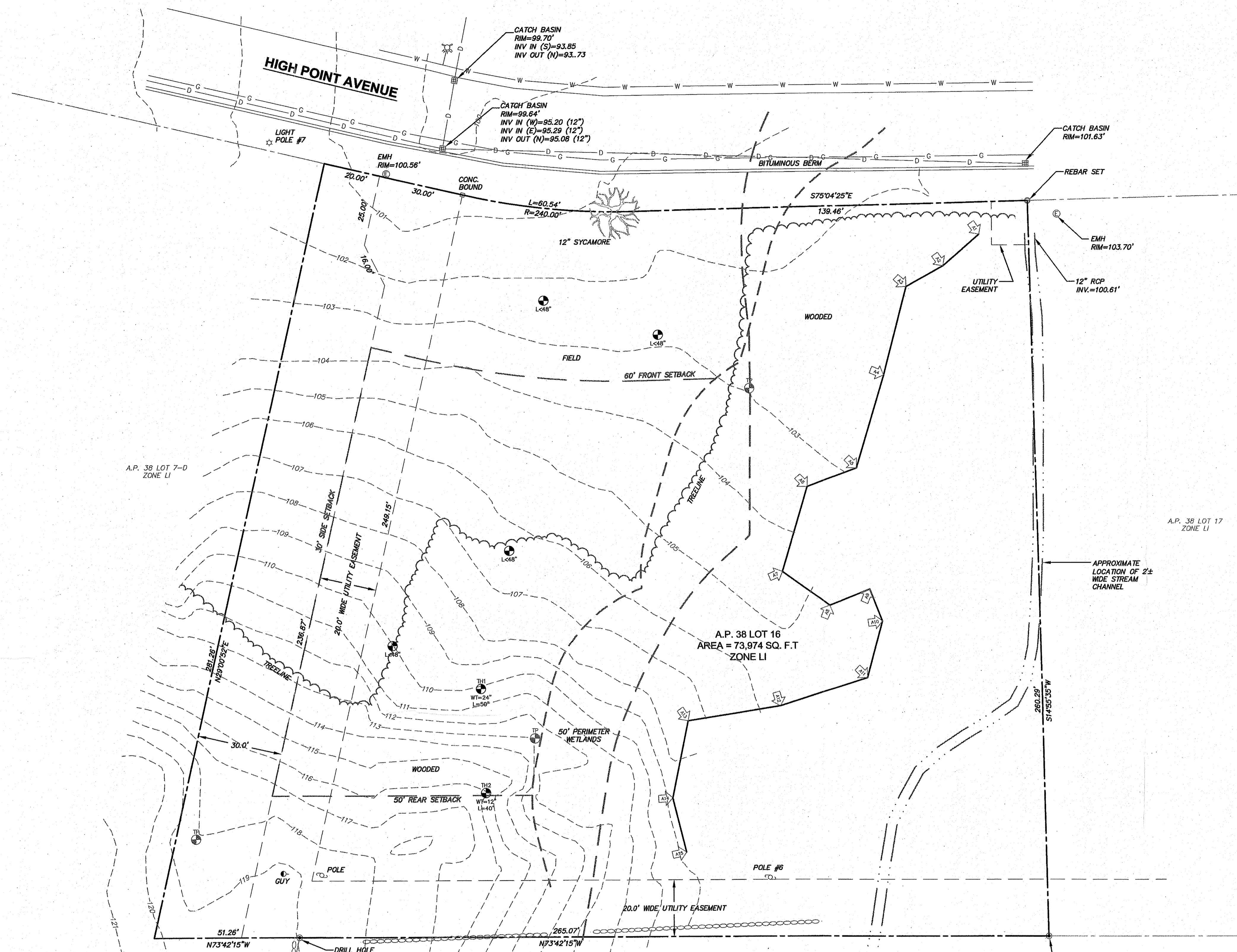
Client/Owner:
 MR. HENRY W. BREYER IV
 PO BOX 273
 PORTSMOUTH, RI 02871

Issued for:
 PERMITTING

Drawing Title:
EXISTING CONDITIONS

Drawing Number:	C-3
Sheet	3 of 6
Project Number:	20036.0
Survey Index:	

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- LEGEND:**
- PROPERTY LINE BOUNDARY
 - ABUTTERS PROPERTY LINE
 - EASEMENT LINE
 - STREAM
 - - - - -107- - - - - EXISTING TOPOGRAPHIC CONTOUR
 - WETLAND BOUNDARY
 - WETLAND FLAG LOCATION
 - BUILDING SETBACK LINE
 - STONE WALL
 - D --- DRAIN LINE
 - G --- GAS MAIN
 - W --- WATER MAIN
 - TREE LINE
 - TH --- TEST HOLE LOCATION
 - --- ELECTRIC MANHOLE
 - --- REBAR / IRON ROD
 - CATCH BASIN INLET
 - REAR
 - MAXIMUM BLDG STORIES
 - MAXIMUM BLDG HEIGHT
 - MAXIMUM LOT COVERAGE

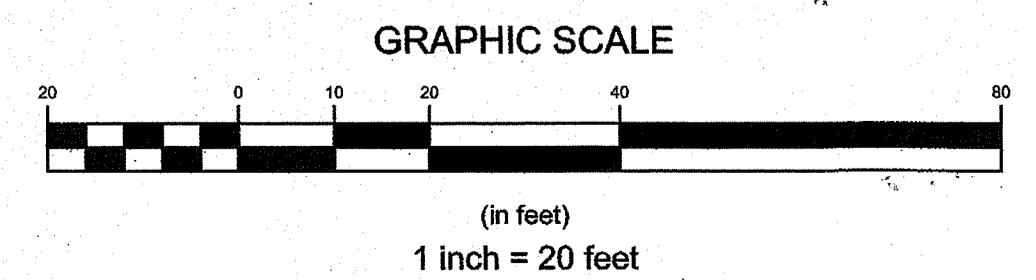
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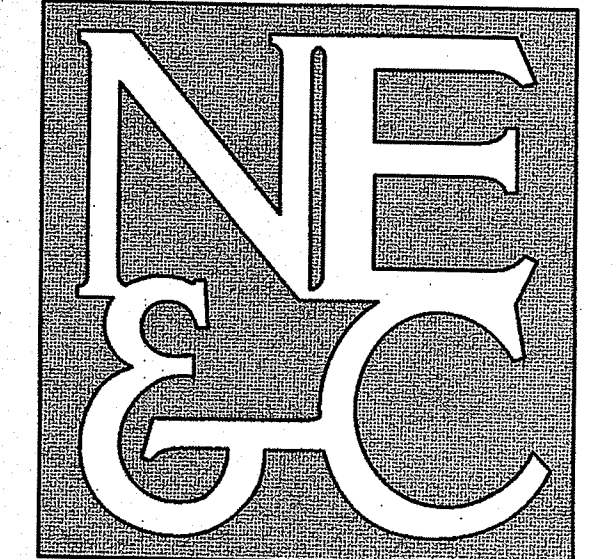
MINIMUM LOT SIZE	40,000 SF
MINIMUM LOT FRONTAGE	110 FT
MINIMUM YARD SETBACK	
FRONT	60 FT
SIDE	30 FT
REAR	60 FT
MAXIMUM BLDG STORIES	2
MAXIMUM BLDG HEIGHT	35 FT
MAXIMUM LOT COVERAGE	25%

NOTES:

- PROPERTY LINES AND EXISTING CONDITIONS FEATURES TAKEN FROM PLAN ENTITLED "JEROME R. KIRBY III, ASSESSOR'S PLAT 38 LOTS 7-D & 16, HIGH POINT AVENUE, PORTSMOUTH, RHODE ISLAND, ADMINISTRATIVE SUBDIVISION, A CLASS I PLAN OF SURVEY PREPARED BY NATIONAL SURVEYORS-DEVELOPERS, INC. CERTIFIED 11/11/19.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED NOV 19 2020 FILE # 20-0192
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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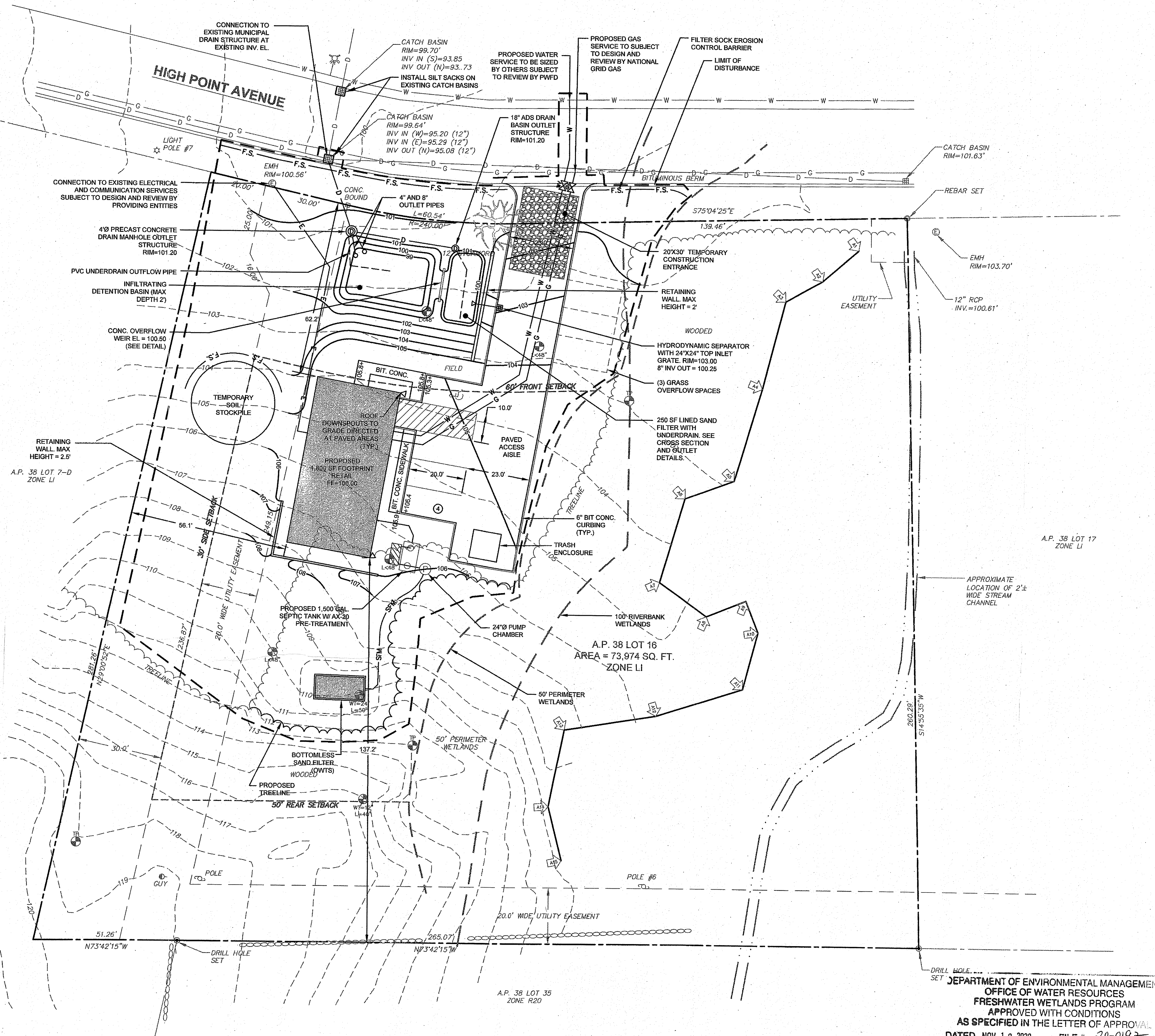
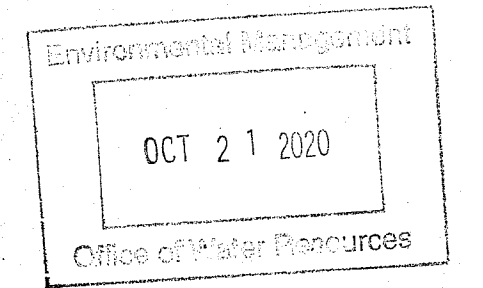




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- LEGEND:**
- PROPERTY LINE BOUNDARY
 - ABUTTERS PROPERTY LINE
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 - G --- GAS MAIN
 - W --- WATER MAIN
 - TREE LINE
 - ⊕ --- TEST HOLE LOCATION
 - ⊙ --- ELECTRIC MANHOLE
 - ⊙ --- REBAR / IRON ROD
 - ⊕ --- CATCH BASIN INLET
 - ⊕ --- FIRE HYDRANT
 - ⊕ --- LIGHT POLE
 - 100--- PROPOSED CONTOUR
 - D --- PROPOSED DRAIN LINE
 - W --- PROPOSED WATER SERVICE
 - G --- PROPOSED GAS SERVICE
 - E --- PROPOSED ELEC / COMM SERVICE
 - SFM --- PRESSURIZED SEWER SERVICE
 - F.S. --- FILTER SOCK EROSION CONTROL BARRIER
 - LIMIT OF DISTURBANCE
 - ⊕ --- PROPOSED DRAIN INLET
 - ⊕ --- PROPOSED DRAIN MANHOLE OR BASIN
 - ⊕ --- PROPOSED WATER SHUTOFF VALVE
 - ⊕ --- PROPOSED GAS SHUTOFF VALVE

ZONING DATA: LIGHT INDUSTRIAL

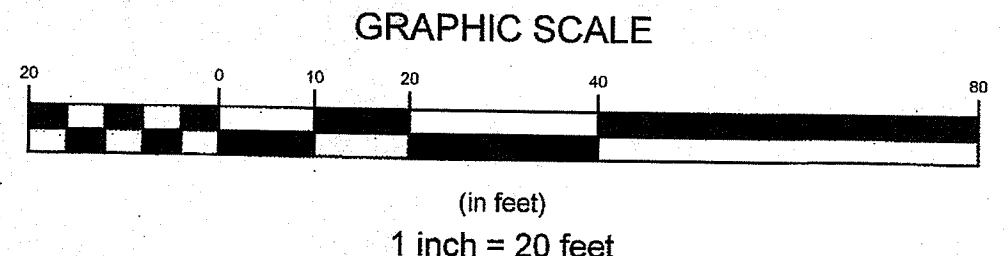
	REQUIRED:	PROPOSED:
MINIMUM LOT SIZE	40,000 SF	73,974 SF
MINIMUM LOT FRONTAGE	110 FT	250 FT
MINIMUM YARD SETBACK		
FRONT	60 FT	62.2 FT
SIDE	30 FT	56.1 FT
REAR	50 FT	137.2 FT
MAXIMUM BLDG STORIES	1	1
MAXIMUM BLDG HEIGHT	35 FT	35 FT (MAX)
MAXIMUM LOT COVERAGE	25%	2.4%

PARKING REQUIREMENTS:

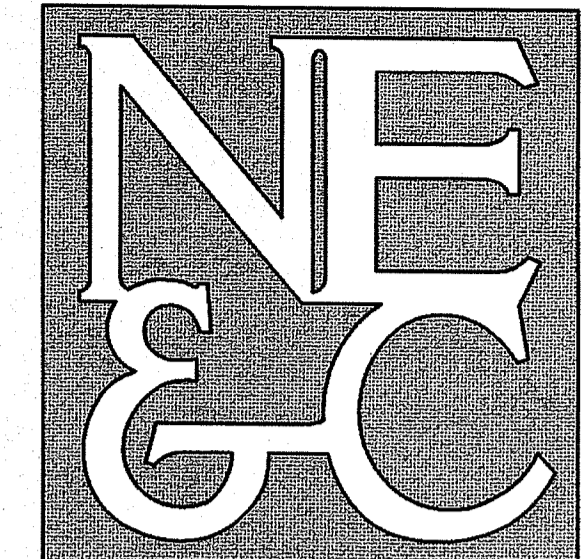
MANUFACTURING:	REQUIREMENTS:
1 SF - 3000 SF REQUIRES 4 SPACES / 1,000 SF OF GLA	
7 SPACES REQUIRED	

- NOTES:**
1. PROPOSED OWTS SUBJECT TO DESIGN AND REVIEW BY RIDEM.
 2. PROPOSED LANDSCAPING TO BE DESIGNED BY A RI REGISTERED LANDSCAPE ARCHITECT.
 3. REFER TO FULL PROJECT NOTES ON SHEET C-2.

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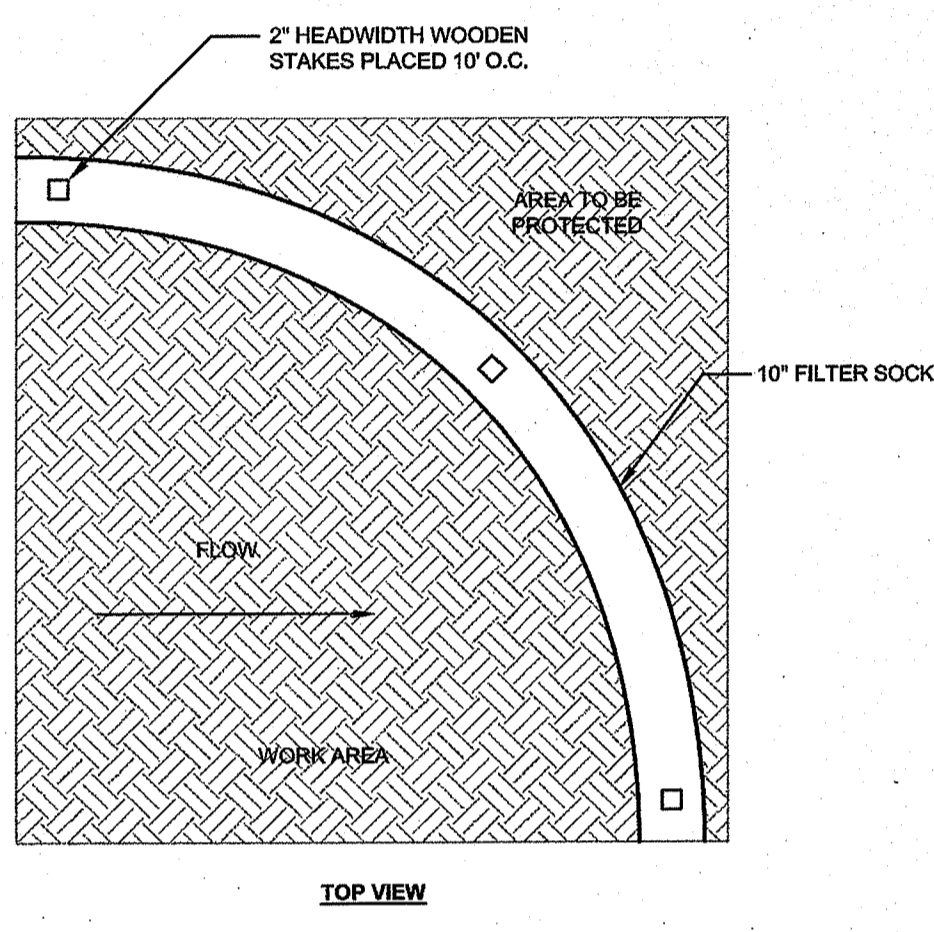
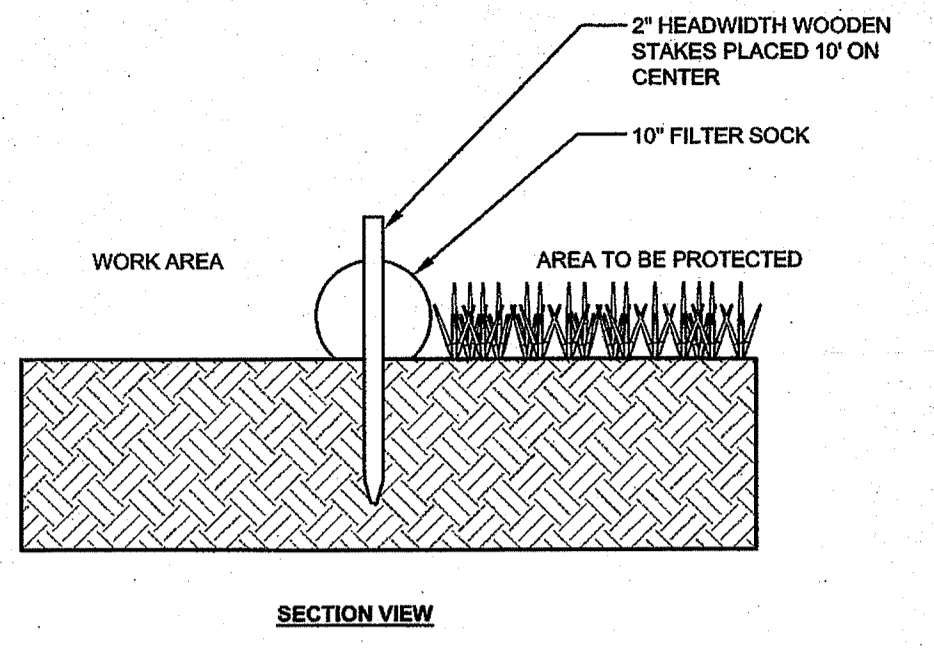
1		RIDEM COMMENTS		14OCT20	
No.	Revision	Date	App.		
Designed by:	JJR	Drawn by:	JJR	Checked by:	GES
Scale:	1"=20'	Date:	15JUN20		
Project Title:					
AQUIDNECK GUNSMITHING					
A.P. 38 LOT 16					
HIGH POINT AVENUE PORTSMOUTH RHODE ISLAND					
Client/Owner:					
MR. HENRY W. BREYER IV PO BOX 273 PORTSMOUTH, RI 02871					
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Drawing Title:					
PROPOSED CONDITIONS					
Drawing Number:				C-4	
Sheet				4 of 6	
Project Number:				20036.0	
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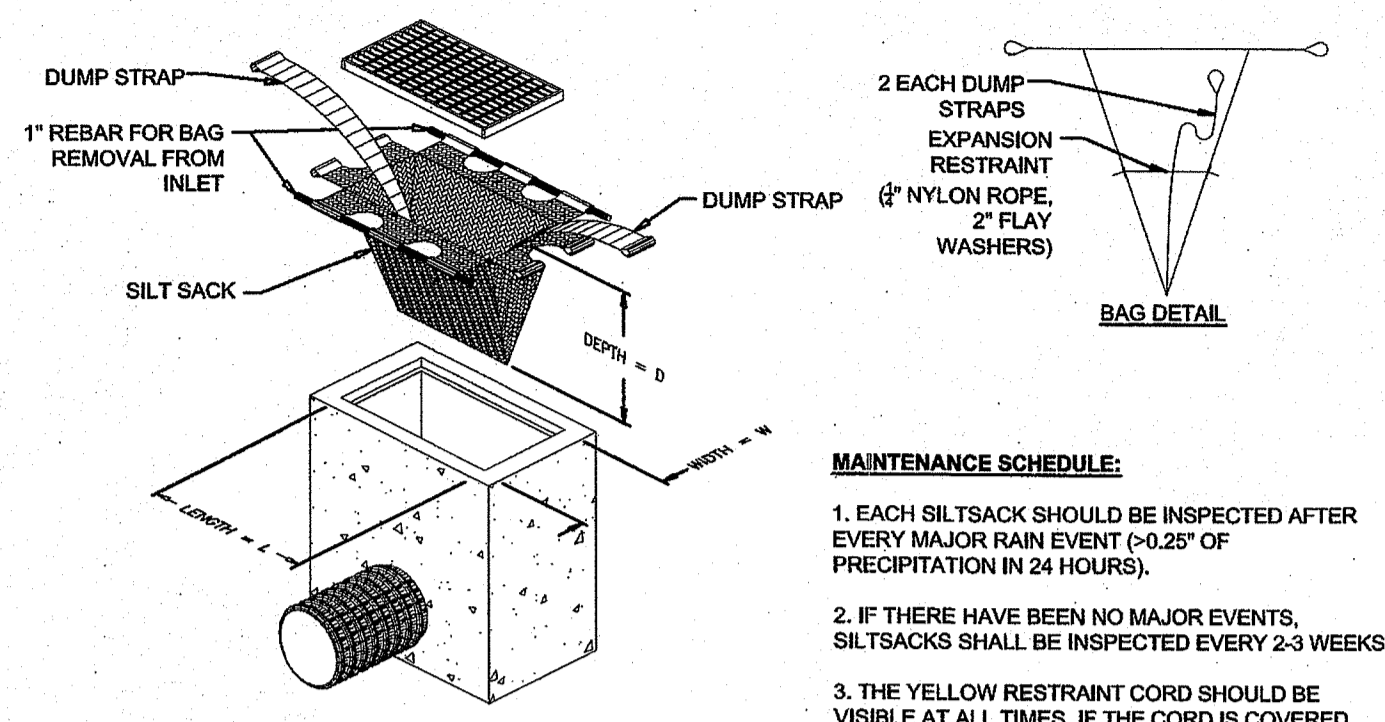
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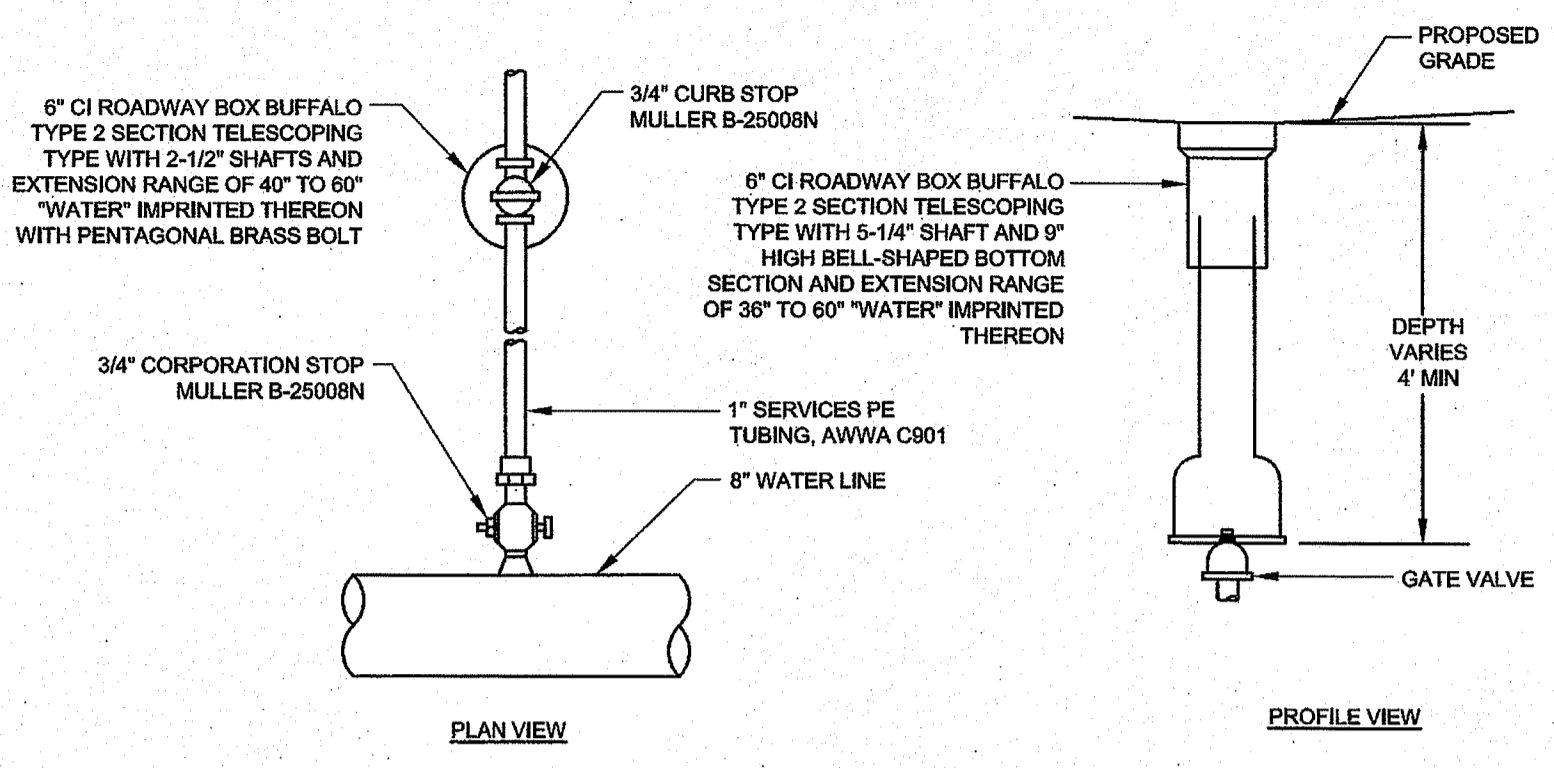


10" FILTER SOCK DETAIL
 SCALE: NOT TO SCALE

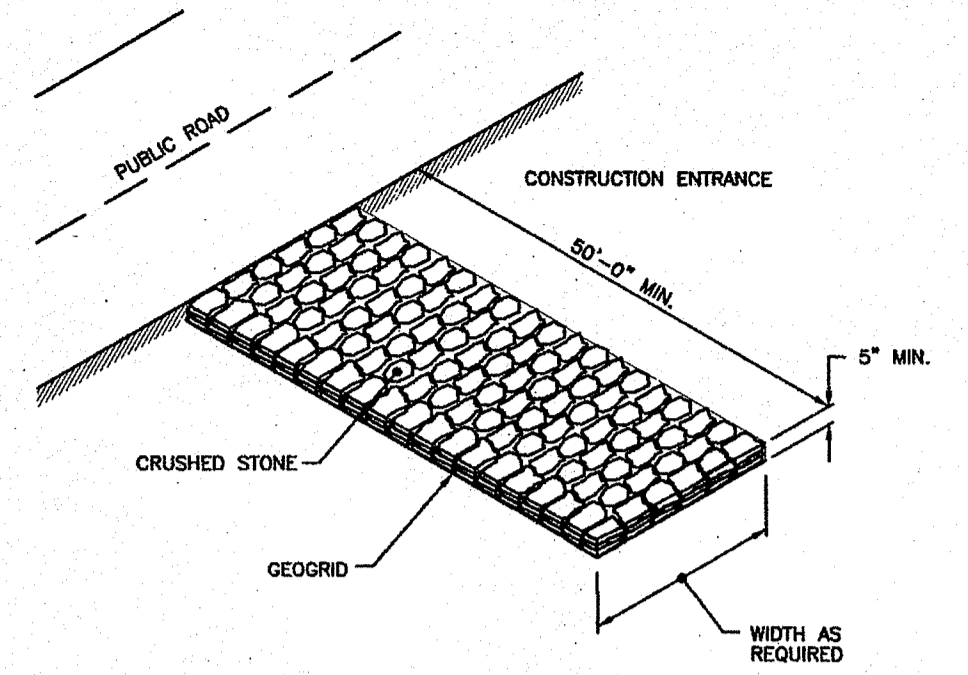


- MAINTENANCE SCHEDULE:**
1. EACH SILTSACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT (>0.25" OF PRECIPITATION IN 24 HOURS).
 2. IF THERE HAVE BEEN NO MAJOR EVENTS, SILTSACKS SHALL BE INSPECTED EVERY 2-3 WEEKS.
 3. THE YELLOW RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF THE CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHOULD BE EMPTIED.

SILT SACK DETAIL
 SCALE: NOT TO SCALE



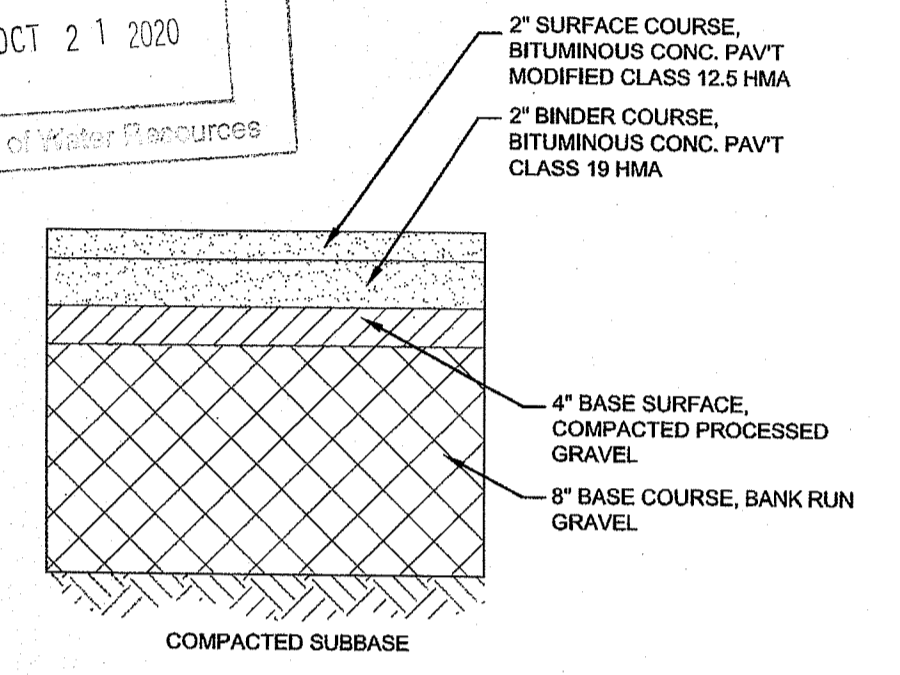
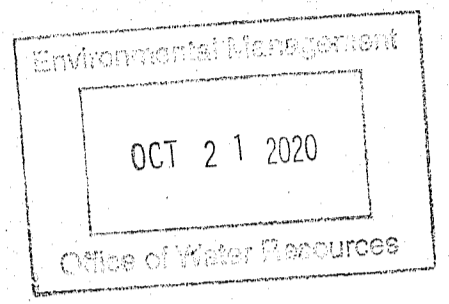
WATER SERVICE CURB STOP
 ALTERNATE WATER SERVICE SIZE TO BE SPECIFIED BY OTHERS
 SCALE: NOT TO SCALE



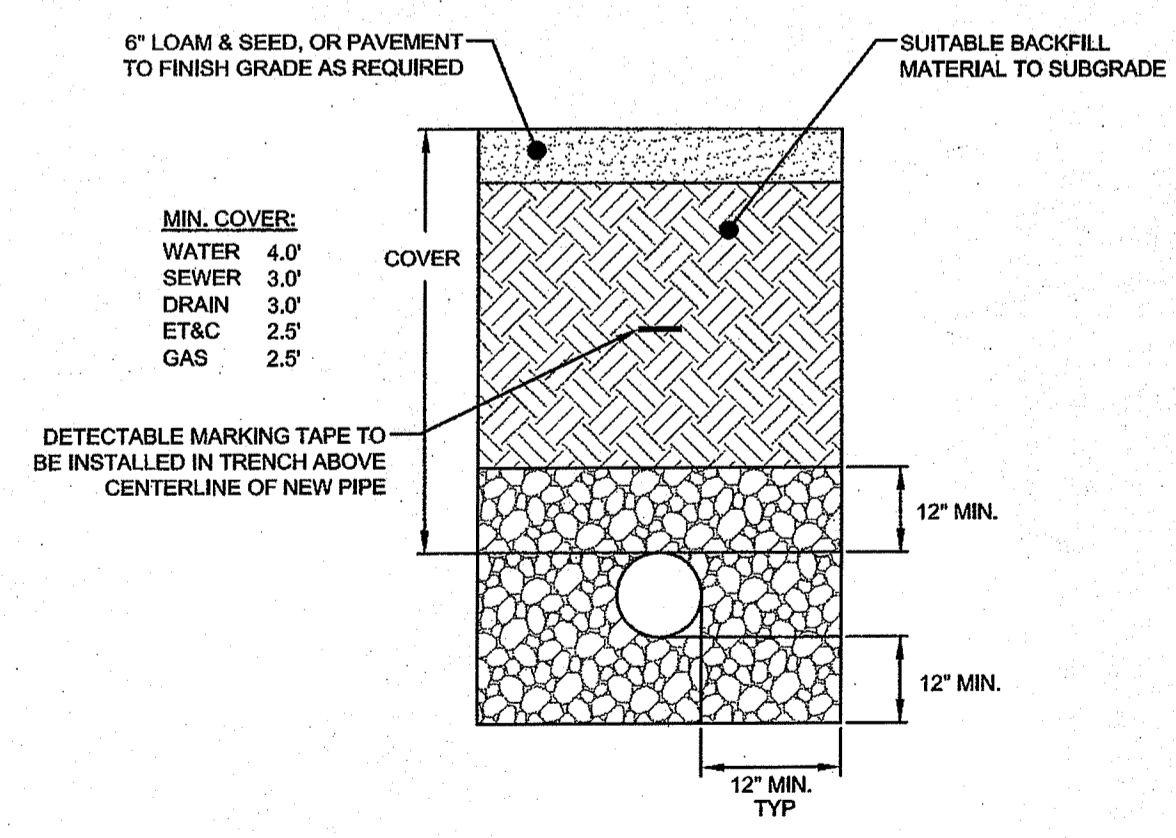
NOTE: SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

NOTE: STONE CONSTRUCTION ENTRANCE DIMENSIONS SHALL BE PER PROPOSED CONDITIONS PLAN.

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

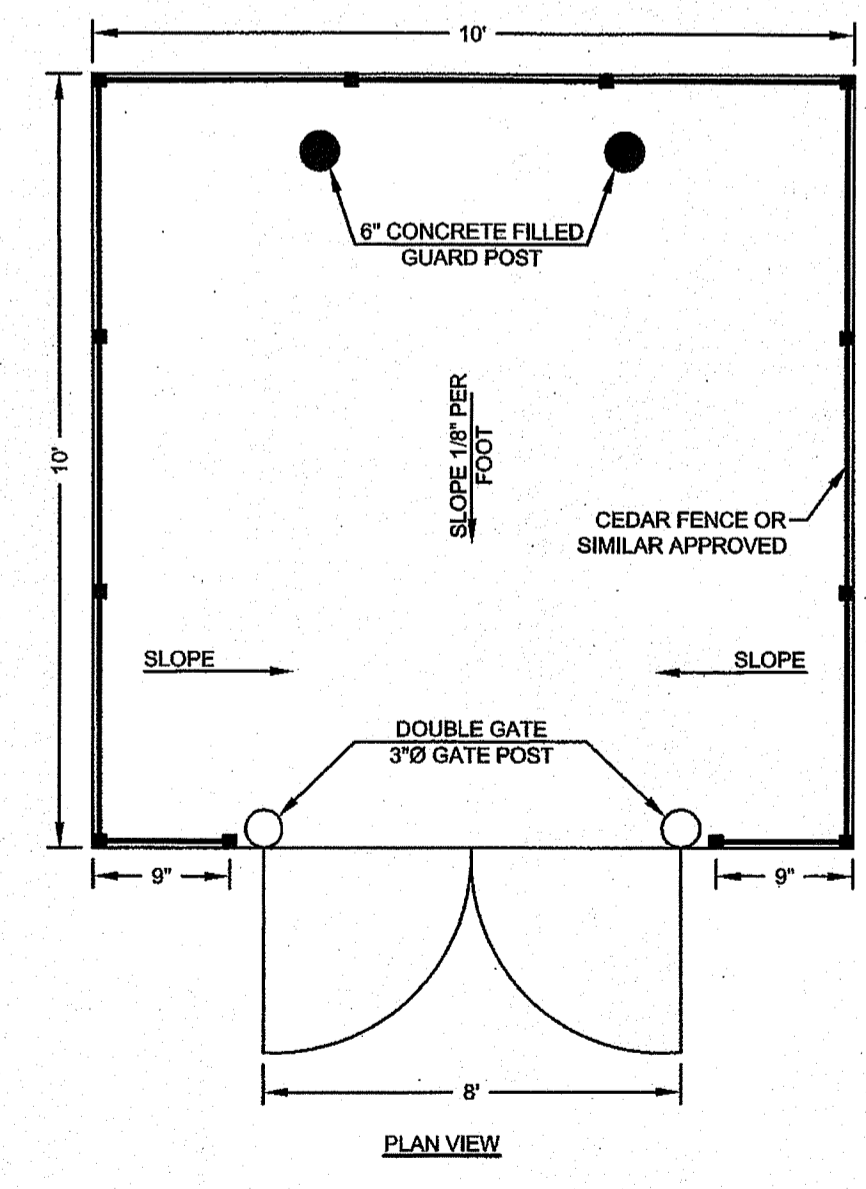


TYPICAL BITUMINOUS PAVEMENT SECTION
 SCALE: NOT TO SCALE

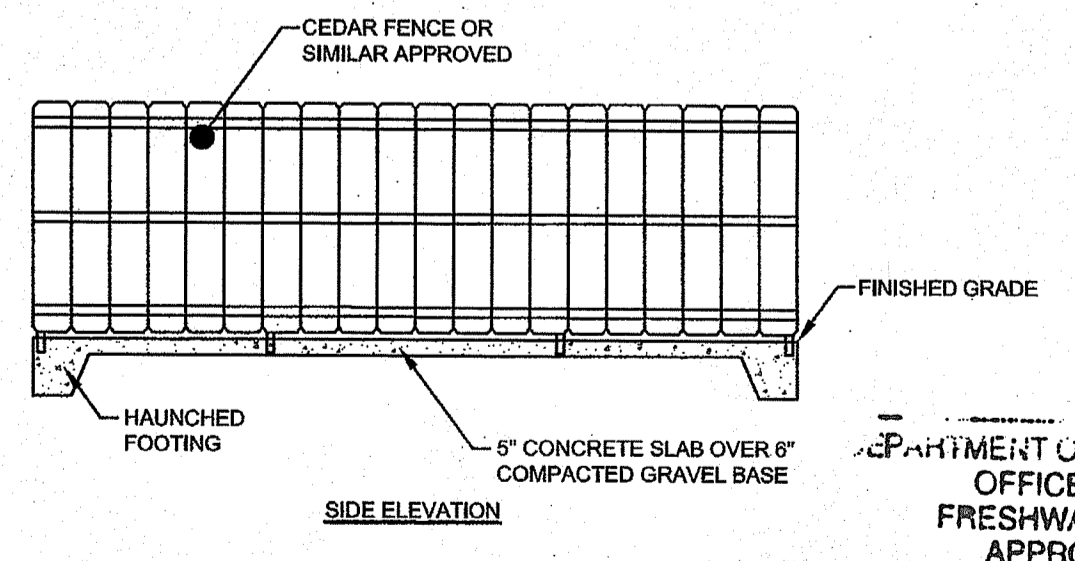
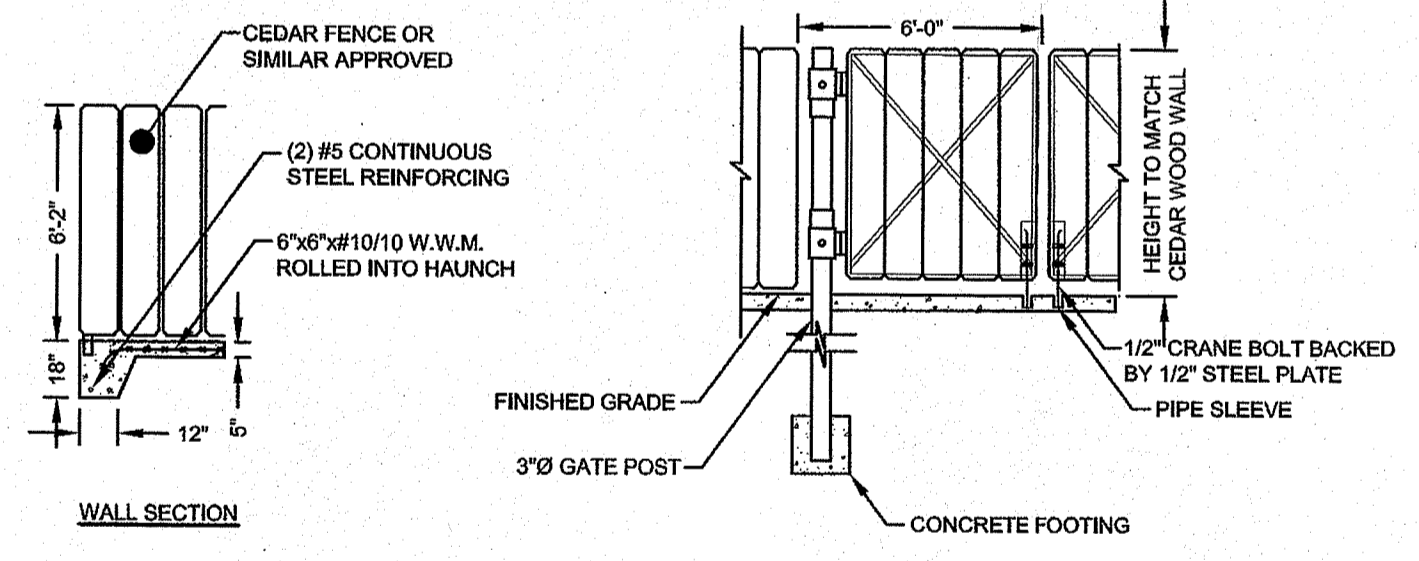


UTILITY TRENCH DETAIL
 SCALE: NOT TO SCALE

- 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 (SOILTIGHT) 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 COMPACTED TO 95% MAXIMUM DENSITY (AASHTO T100). 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 M6 REQUIREMENTS.
 10. UTILITY INSTALLATIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE TOWN OF PORTSMOUTH PUBLIC WORKS DEPARTMENT AND PWFWD RULES AND REGULATIONS.
 11. WHEN 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.

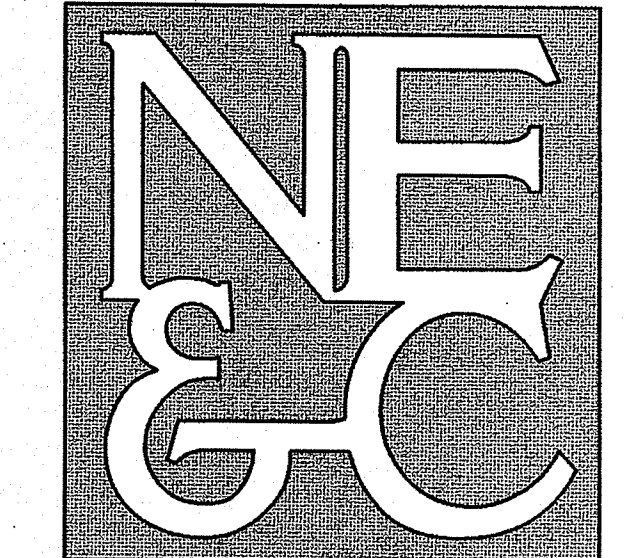


TYPICAL TRASH ENCLOSURE
 ARCHITECT MAY PROVIDE ALTERNATE DESIGN
 SCALE: NOT TO SCALE

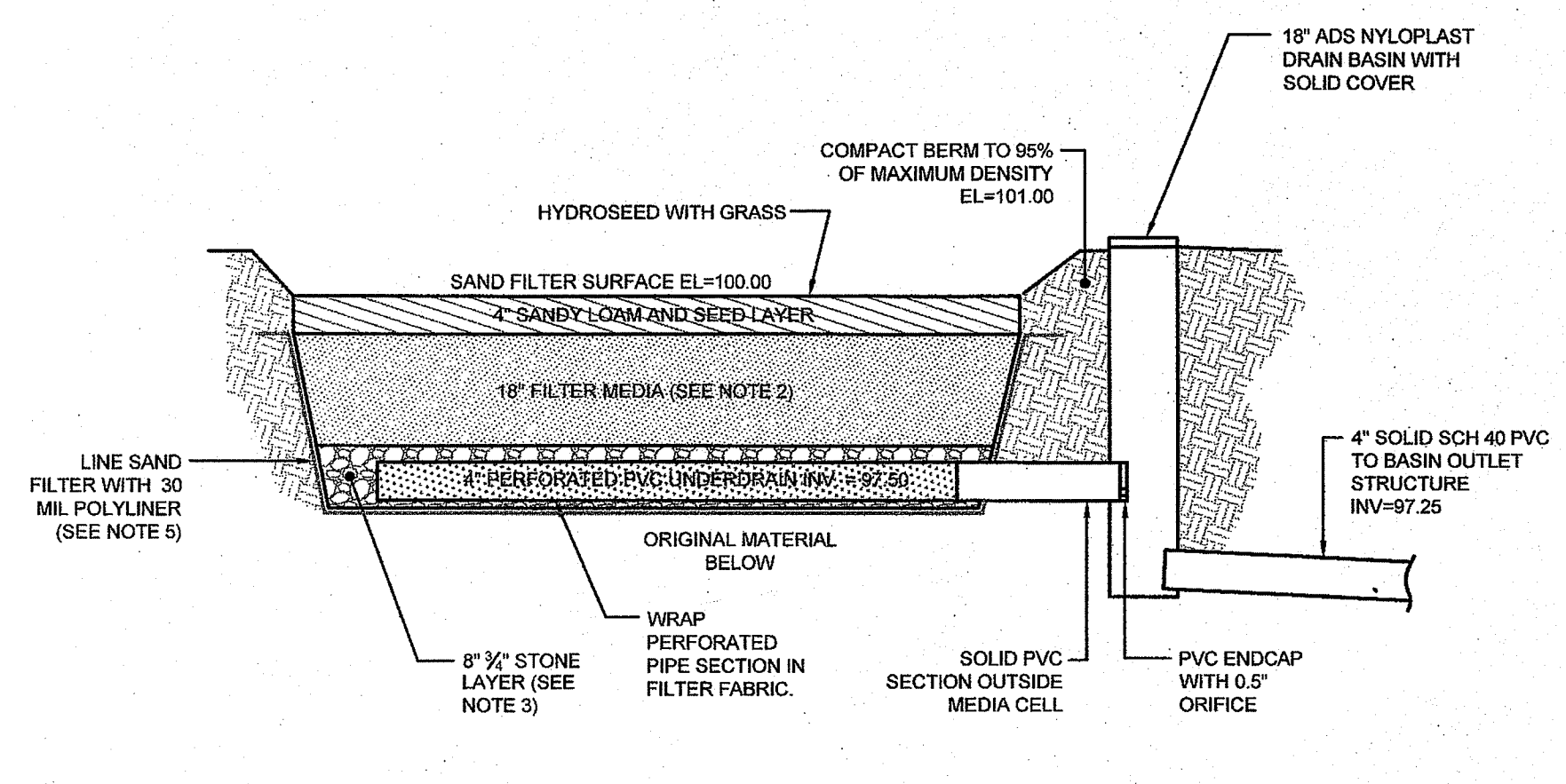


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Designed By: JJR	Drawn by: JJR	Checked by: GES	
Scale: N/A	Date: 15JUN20		
Project Title: AQUIDNECK GUNSMITHING A.P. 38 LOT 16 HIGH POINT AVENUE PORTSMOUTH RHODE ISLAND			
Client: MR. HENRY W. BREYER IV PO BOX 273 PORTSMOUTH, RI 02871			
Issued for: PERMITTING			
Drawing Title: DETAILS			
Drawing Number: C-5			
Sheet 5 of 6			
Project Number: 20036.0			
Survey Index:			
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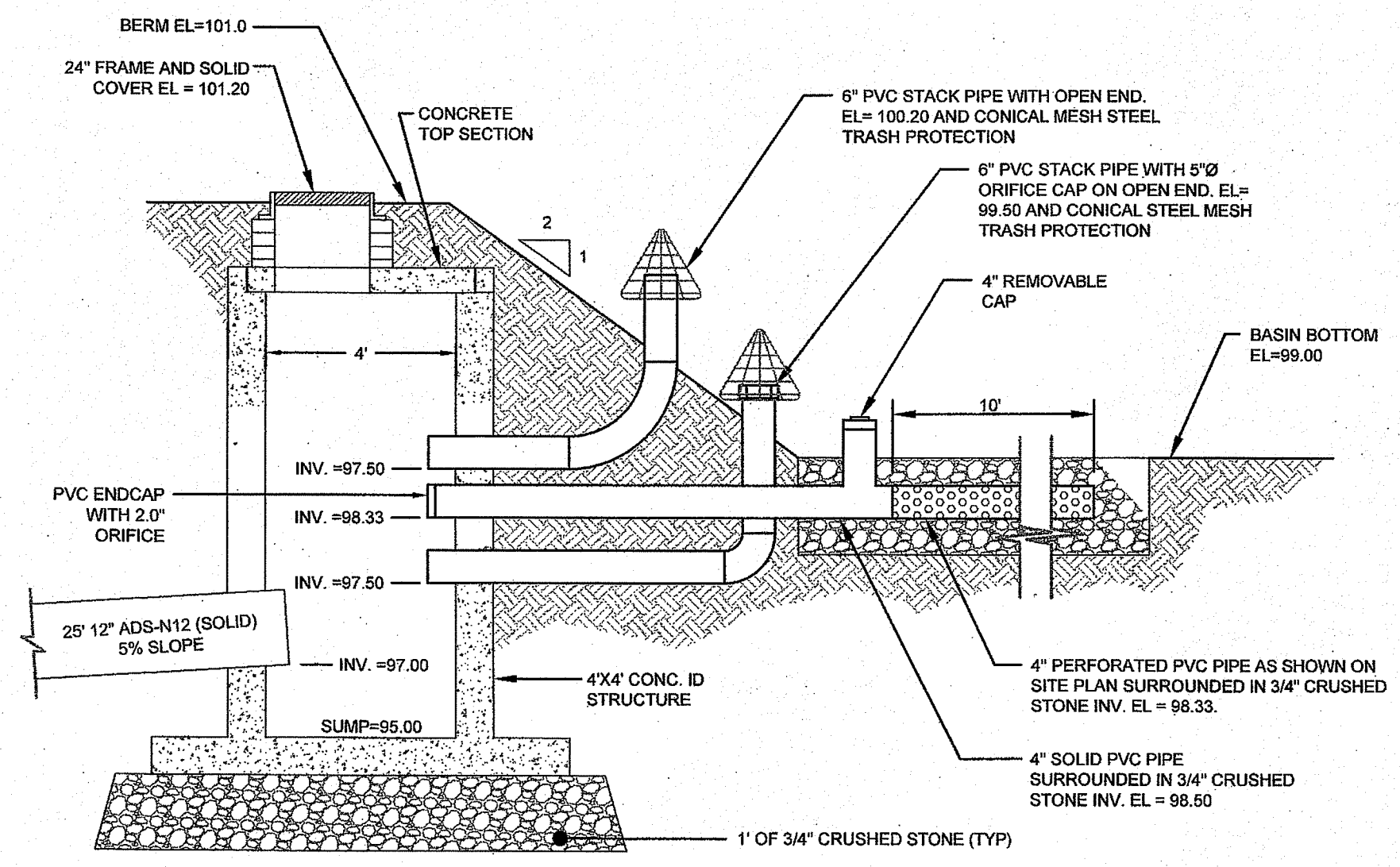
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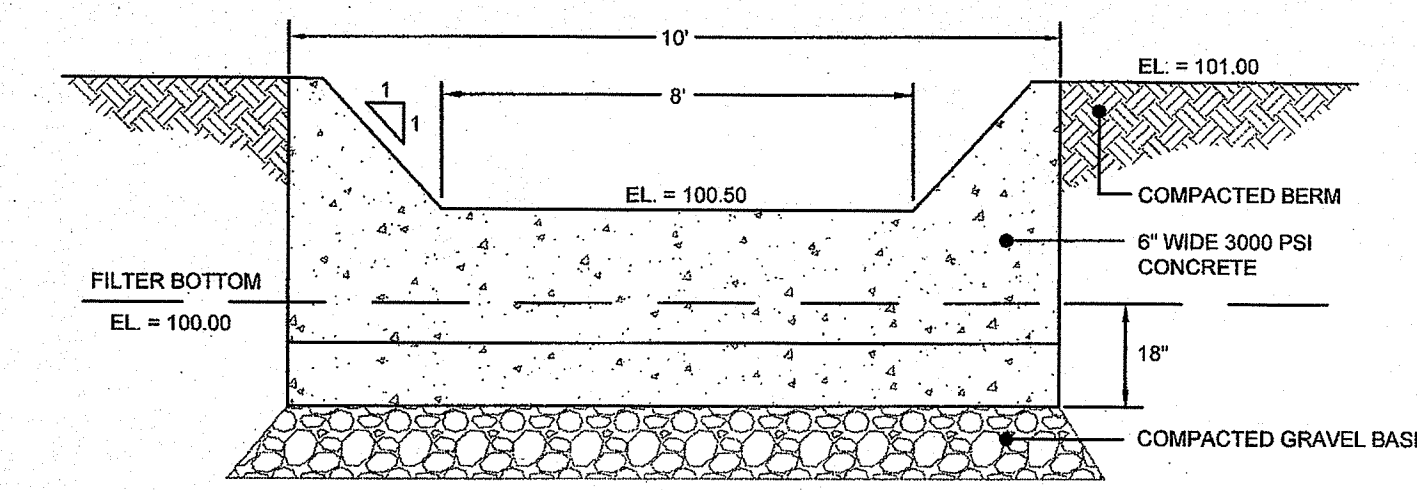
SAND FILTER NOTES:

- SAND FILTER SHALL BE PLANTED WITH NEW ENGLAND WETMIX (WETLAND SEED MIX) BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL GRASSES MUST COVER THE ENTIRETY OF THE FILTER SURFACE.
- 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 DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO ROCK DUST CAN BE USED AS SAND.
- UNDERDRAIN STONE SHALL CONFORM TO AASHTO M-43, 0.25" TO 0.75". MATERIAL MUST BE WASHED CLEAN.
- UNDERDRAIN SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-1785 OR AASHTO M-273. 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.
- IMPERMEABLE LINER MAY BE ONE OF THE FOLLOWING: (A) MIN. OF 6 INCHES OF CLAYSOL (MINIMUM 15% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF 1 X 10⁻⁵ CM/SEC), (B) A 30 MIL POLY-LINER (C) BENTONITE

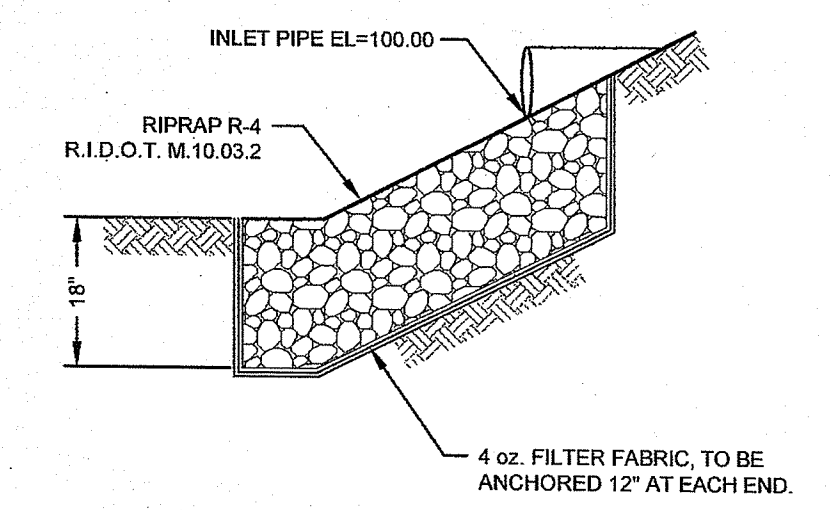
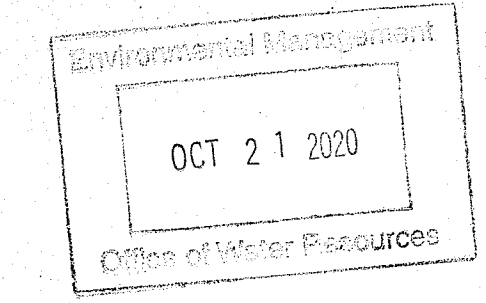
LINED SAND FILTER CROSS SECTION
SCALE: NOT TO SCALE



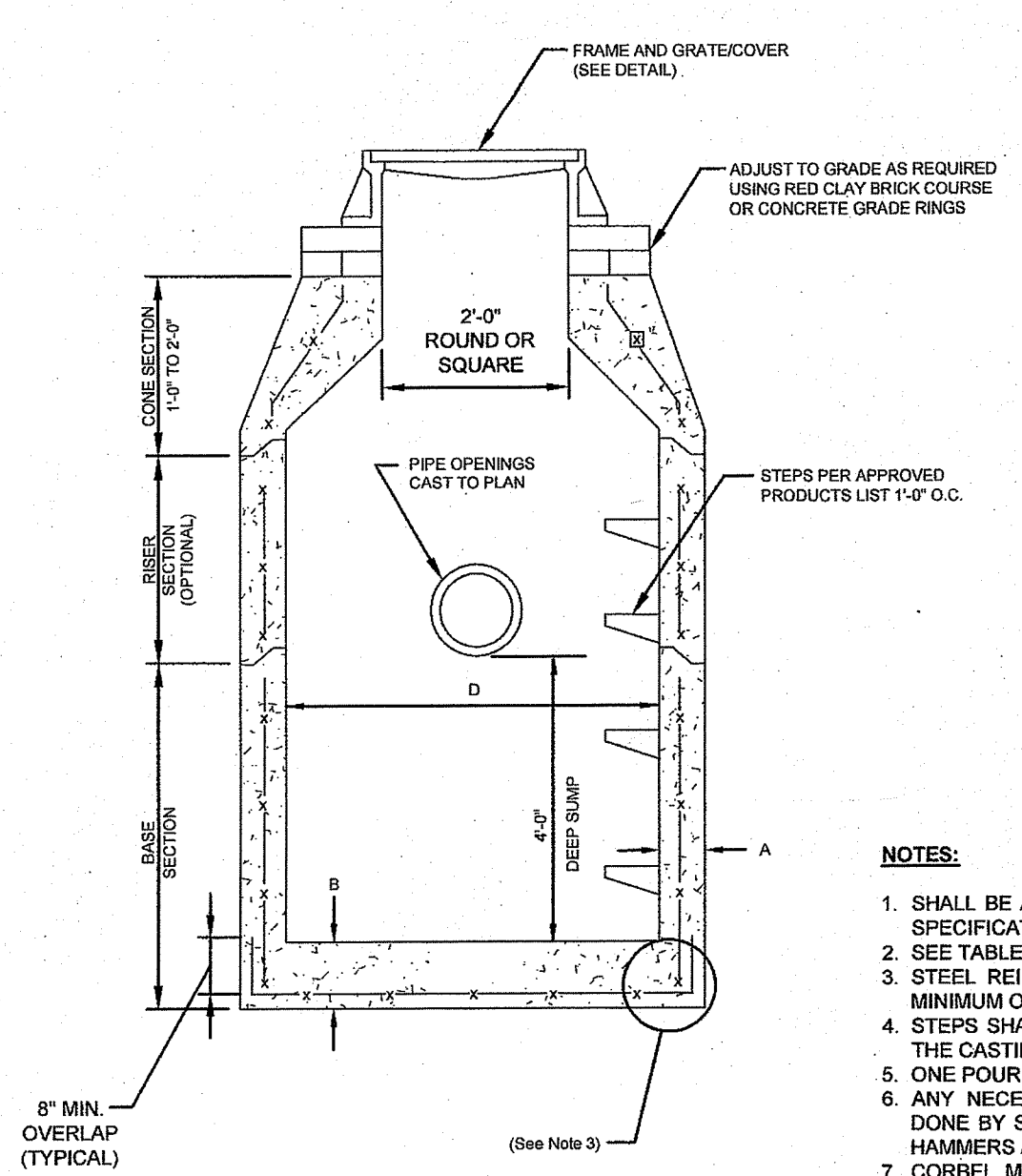
DETENTION BASIN OUTLET STRUCTURE SECTION
SCALE: NOT TO SCALE



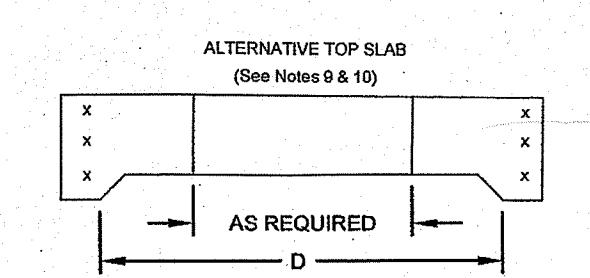
CONCRETE OUTLET WEIR DETAIL
SCALE: NOT TO SCALE



DRAINAGE INLET INTO SAND FILTER
SCALE: NOT TO SCALE



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

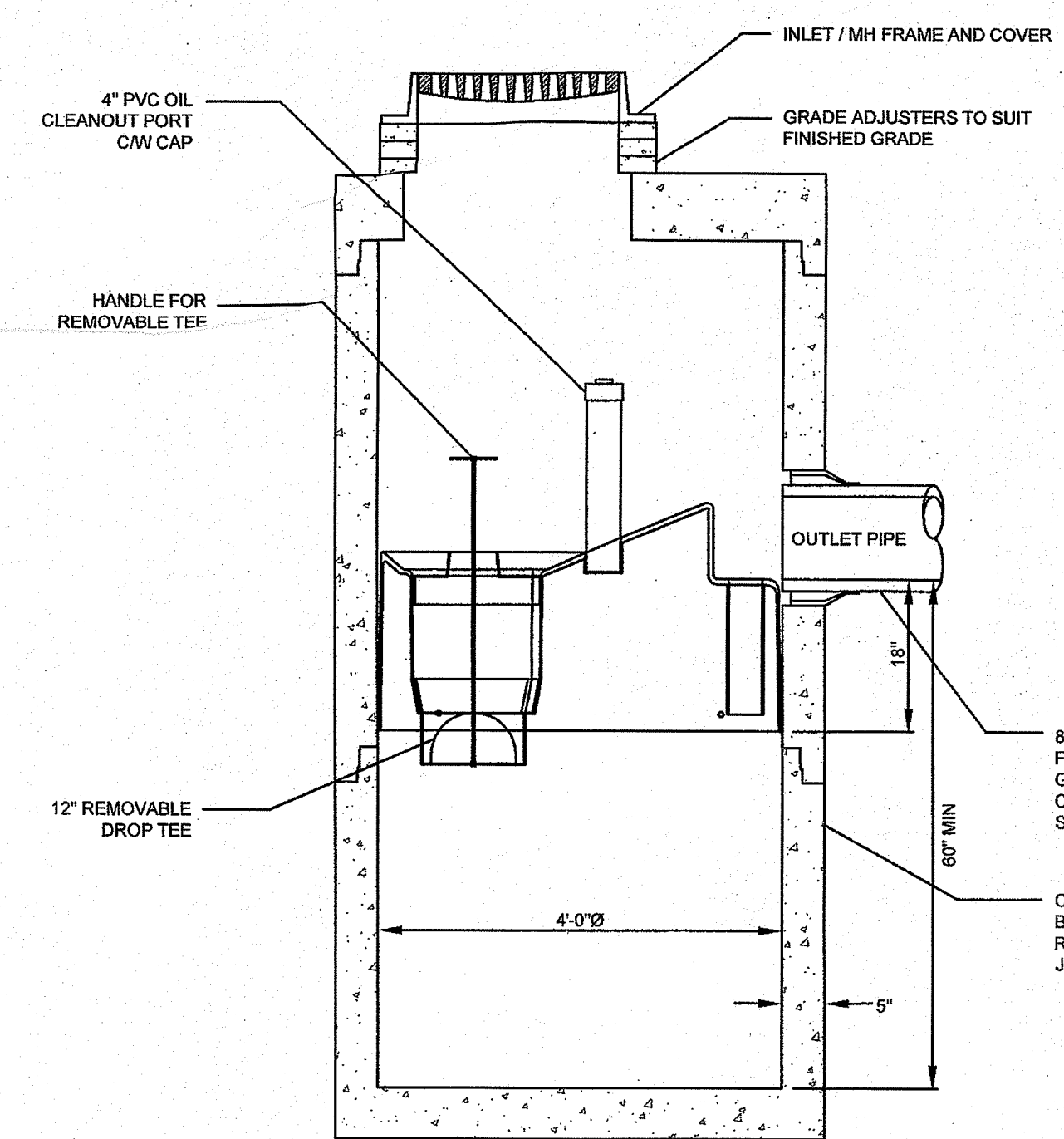


CATCH BASIN DIAMETER (D)	TABLE 1		CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
	A	B	
4'-0"	6"	6"	0.12 SQ. IN./LIN. FT.
6'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
8'-0"	7"	8"	0.18 SQ. IN./LIN. FT.
10'-0"	9"	8"	REFER TO MANUFACTURER

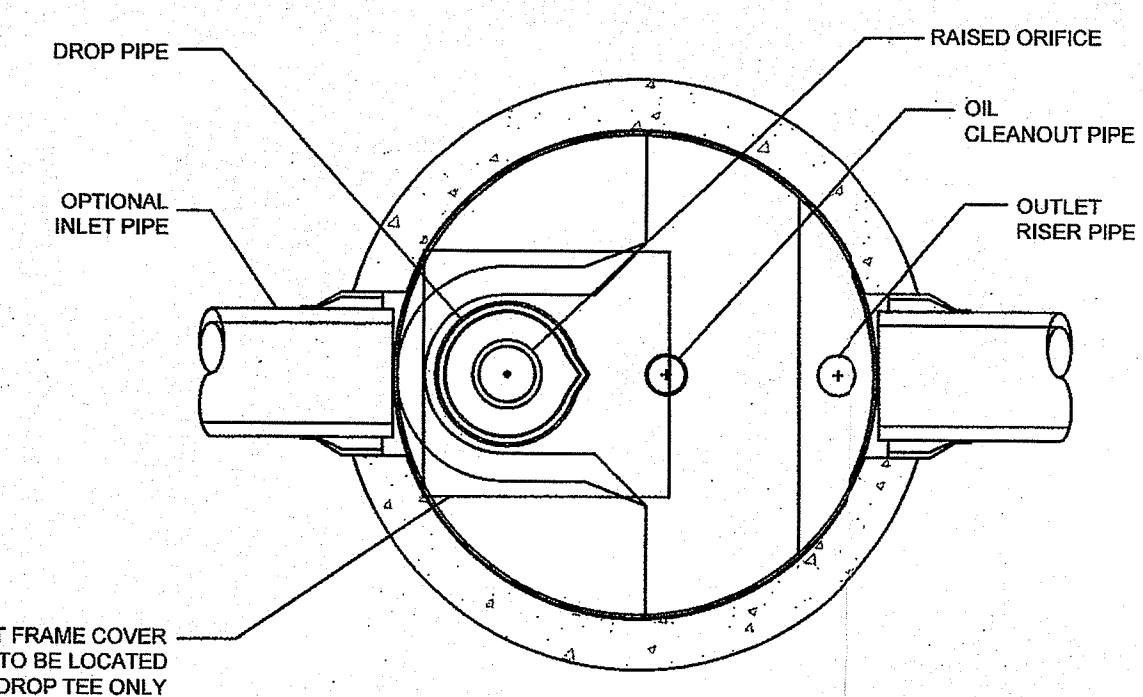
* FOR LONGITUDINAL (VERTICAL) STANDING REINFORCEMENT REFER TO ASTM C478, ITEM 6.1.2

NOTES:

- SHALL BE ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATION.
- SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
- STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
- STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
- ONE POUR MONOLITHIC BASE SECTION.
- 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.
- CORSEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
- THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
- ALTERNATIVE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
- ALTERNATIVE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
- REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.



SECTION VIEW



PLAN VIEW

NOTES:

- THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- THE COVER SHOULD BE POSITIONED OVER THE INLET DROP PIPE AND THE OIL PORT.
- THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #485144, #5405331, #5725760, #5753115, #5649161, #5686765, #6371690.

STC 300i PRECAST CONCRETE STORMCEPTER
SCALE: NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED NOV 19 2020 FILE # 20-0192
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
Nancy Freeman

No.	REVISION COMMENTS	DATE	APP.
1		14OCT20	

Designed By: JJR Drawn by: JJR Checked by: GES
Scale: N/A Date: 15JUN20

Project Title:
AQUIDNECK GUNSMITHING
A.P. 38 LOT 16
HIGH POINT AVENUE
PORTSMOUTH
RHODE ISLAND

Client:
MR. HENRY W. BREYER IV
PO BOX 273
PORTSMOUTH, RI 02871

Issued for:
PERMITTING

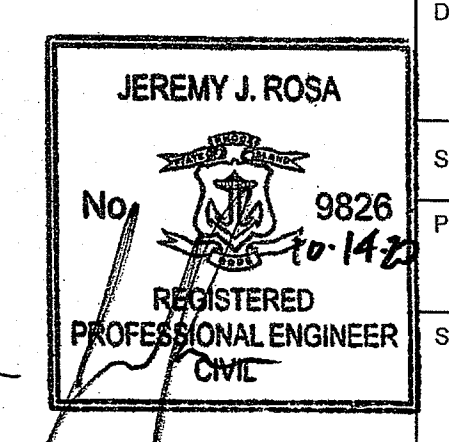
Drawing Title:
DETAILS

Drawing Number:
C-6

Sheet **6** of **6**

Project Number:
20036.0

Survey Index:
-



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