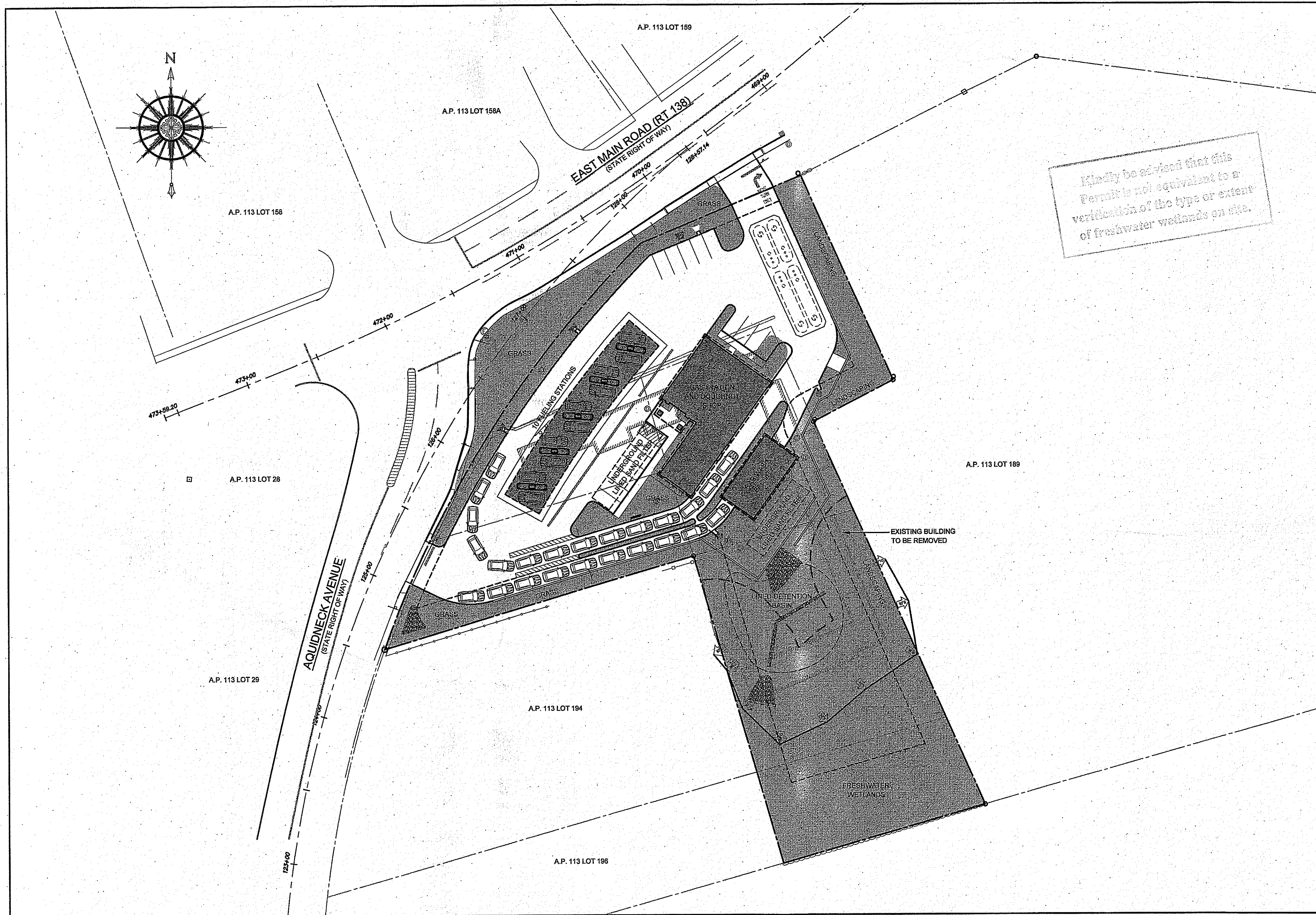


PATRIOT PETROLEUM

PROPOSED GAS STATION AND DOUGHNUT SHOP ASSESSOR'S PLAT 113 LOTS 190, 191, 192, 193, 195 & 197 EAST MAIN ROAD AND AQUIDNECK AVENUE MIDDLETOWN, RHODE ISLAND

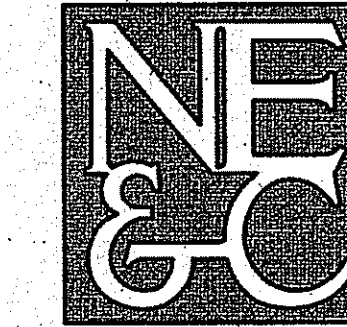


SITE PLAN

SCALE = 1"=40'

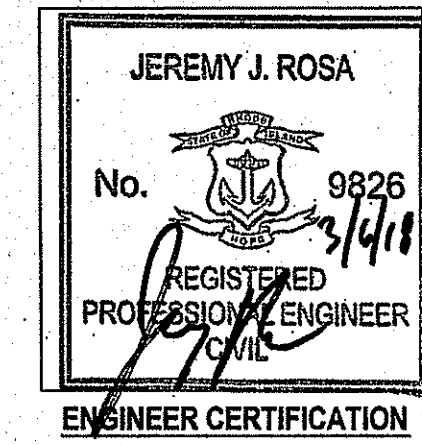
CIVIL ENGINEER:

NORTHEAST ENGINEERS & CONSULTANTS, INC.



A KNOWLEDGE CORPORATION
55 JOHN CLARKE 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

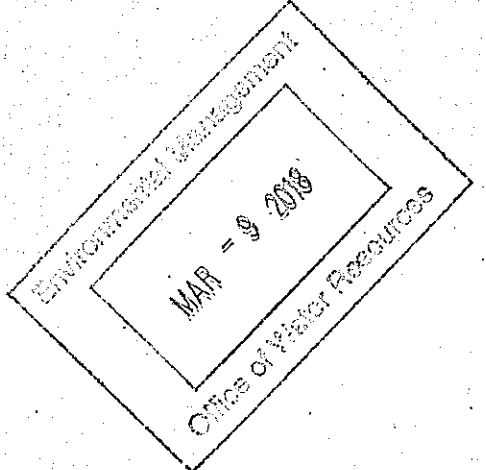


OWNER:

BENZINE DEVELOPMENT, LLC
C/O NICK GIACOBBI
3302 EAST MAIN ROAD
PORTSMOUTH, RI 02871

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 30 2018 FILE # 17-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wencel



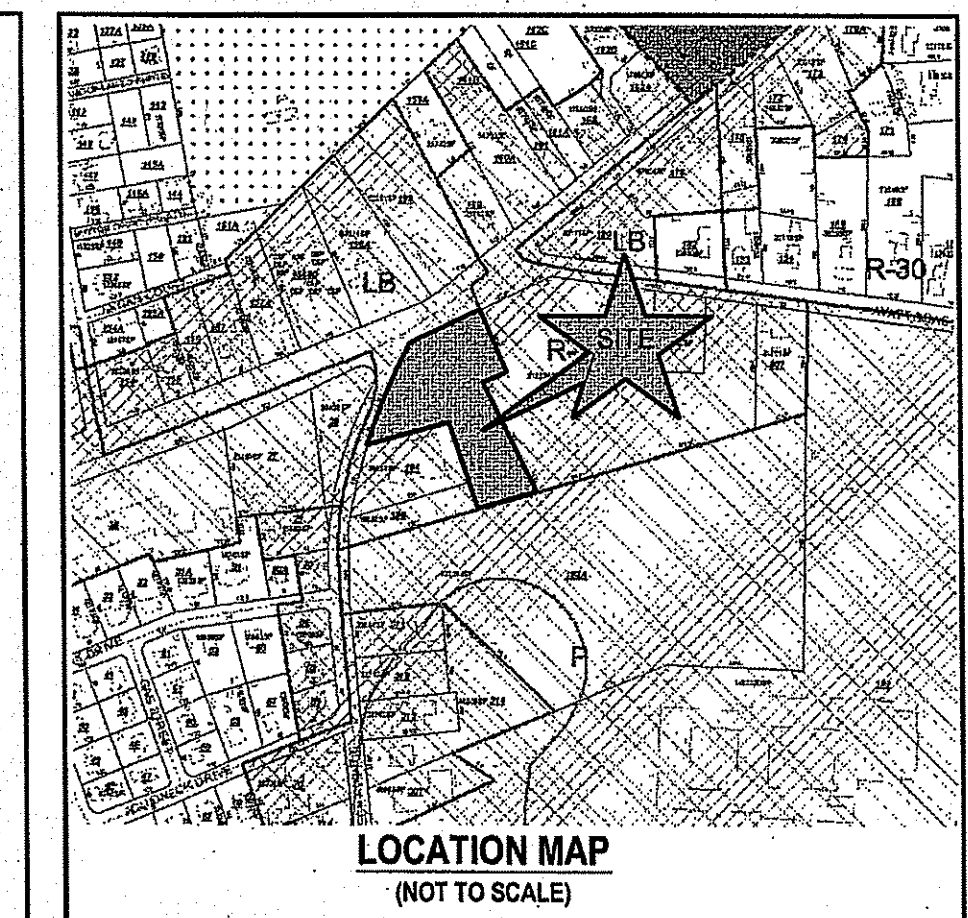
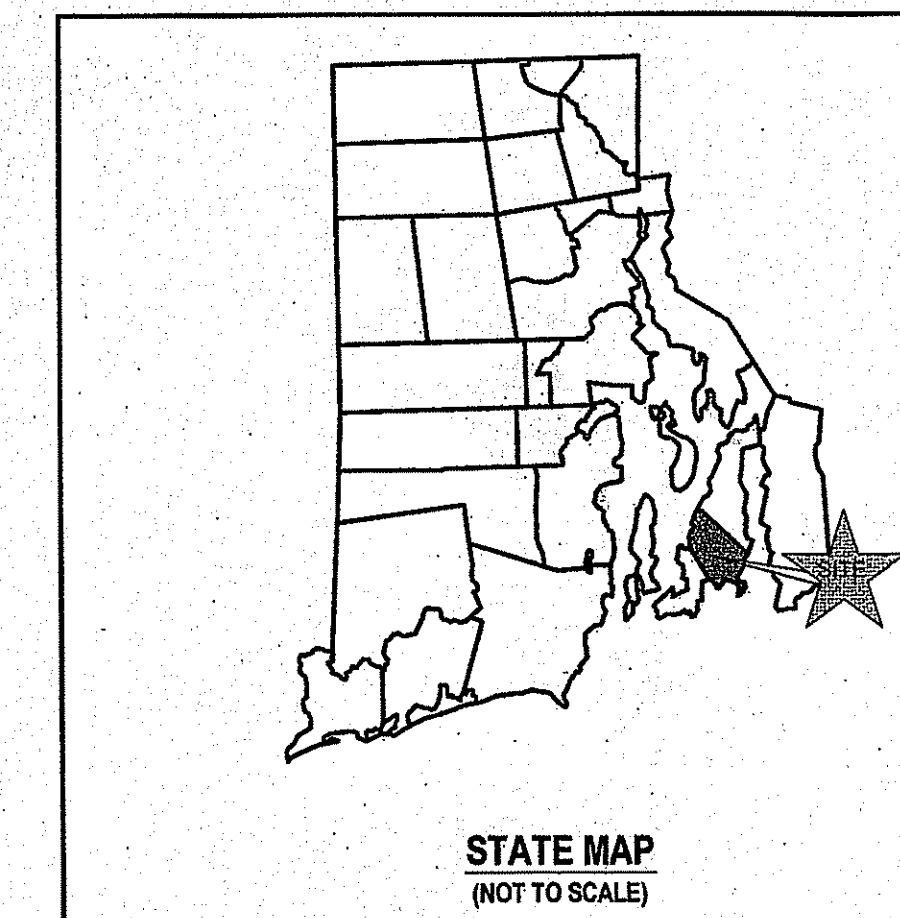
MARCH 6, 2018 PERMIT SET

PLAN INDEX

SITE/CIVIL ENGINEERING PLANS

- TITLE SHEET
- NOTES
- EXISTING CONDITIONS
- PROPOSED LAYOUT
- PROPOSED GRADING, DRAINAGE AND SESC
- PROPOSED UTILITIES
- PROPOSED DETAILS

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- SHEET 2
- SHEET 3
- SHEET 4
- SHEET 5
- SHEET 6
- SHEETS 7-10



SUBMISSION AND REVISION SUMMARY

AGENCY OR REVISION	DATE:	COMMENTS:
TOWN OF MIDDLETOWN	OCT 1, 2017	
TOWN OF MIDDLETOWN	NOV 20, 2017	
RIDOT & RIDEM	DEC 05, 2017	PAP APPLICATION REVISIONS
RIDOT & RIDEM	MAR 06, 2018	

GENERAL NOTES

- PROPERTY LINE DELINEATION AND EXISTING CONDITIONS ARE THE RESULT OF A CLASS I SURVEY PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC. IN SEPTEMBER OF 2017.
- ELEVATION BASE NAVD 1989 OBTAINED FROM 2 HR GPS OBSERVATION. HORIZONTAL COORDINATES OBTAINED BY 2 HR GPS OBSERVATION (GSD08 EPOCH DATE 2015.9908).
- PROPERTIES ARE ZONED LBA (LIMITED BUSINESS), ABUTTERS PROPERTIES ARE ZONED R20A (HIGH DENSITY RESIDENTIAL) & LBA (LIMITED BUSINESS).
- NORTH ARROW REFERENCES GRID NORTH (RISP/NA83).
- SOIL EVALUATION PERFORMED BY A LICENSED CLASS IV EVALUATOR ON SEPTEMBER 26, 2017. SOIL INFORMATION SHOWN WAS TAKEN FROM THE USDA NATURAL RESOURCES CONSERVATION SERVICE SOIL SURVEY.
- PROPERTIES ARE LOCATED WITHIN A FEMA ZONE "X" PER FEMA FIRM 44005C0993, 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 UTILITIES 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. PERSONAL INJURY RESULTING FROM CONTACT WITH EXISTING UTILITIES SHALL BE THE CONTRACTOR'S 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 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 MIDDLETOWN OR THE CITY OF NEWPORT 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 ENGINEER'S 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.
- THE PROPOSED DEVELOPMENT DOES NOT LIE IN ANY OF THE FOLLOWING AREAS:
 - NATURAL HERITAGE AREAS (NHDEP)
 - SPECIAL AREA MANAGEMENT PLAN (SRMCP)
 - GROUNDWATER AQUIFERS, STATE DESIGNATED "GROUNDWATER RESERVOIRS", RECHARGE AREAS, OR WELLHEAD PROTECTION AREAS
 - STATE, REGIONAL OR LOCAL GREENWAYS, OR GREENSPACE PRIORITIES
- A PORTION OF THE PROJECT IS LOCATED WITHIN WATERSHED PROTECTION DISTRICT 1 AS A RESULT OF STISSING SOILS (S6) EXISTING ON SITE. THE REMAINDER OF THE SITE LIES WITHIN WATERSHED PROTECTION DISTRICT 2.
- ALL WORK WITHIN THE STATE'S RIGHT OF WAY WILL CONFORM TO RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED 2013, WITH ALL REVISIONS AND RI STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS. FULL VERSIONS OF THE RIDOT STANDARD DETAILS MAY BE FOUND AT [HTTP://WWW.DOT.GOV/DOCUMENTS/DOINGBUSINESS/RIDOT_STD_DETAILS.PDF](http://www.dot.gov/documents/doingbusiness/ridot_std_details.pdf).

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 MUNICIPALITIES.
- 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 LOCATION OF PROPOSED ELECTRICAL CONNECTION TO THE EXISTING OVERHEAD SERVICE IN AQUIDNECK AVENUE IS PRELIMINARY. FINAL DESIGN OF THE ELECTRICAL SERVICE IS SUBJECT TO DESIGN REVIEW AND APPROVAL OF NATIONAL GRID.
- THE EXISTING WATER SERVICE SHALL BE RE-USED WITH PERMISSION FROM THE NEWPORT WATER DEPARTMENT.
- NEW ELECTRIC, TELEPHONE AND CABLE SERVICES SHALL BE INSTALLED UNDERGROUND.
- THE EXISTING SEWER SERVICE SHALL BE RE-USED WITH PERMISSION FROM THE TOWN OF MIDDLETOWN DEPARTMENT OF PUBLIC WORKS.
- 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 DISINFECTION 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 DRAIN PIPES ON SITE SHALL BE ADS-N12 TYPE 18 OR SCH40 PVC UNLESS OTHERWISE NOTED ON THIS PLAN. ALL DRAIN PIPING WITHIN THE STATE RIGHT OF WAY SHALL BE RCP CLASS IV.
- ALL DRAIN MANHOLES AND DRAIN INLETS SHALL BE ADS NYLOPLAST DRAIN BASINS WITH THE EXCEPTION OF THE STRUCTURE WITHIN THE STATE RIGHT OF WAY WHICH SHALL BE A CONCRETE STRUCTURE CONFORMING TO RIDOT STANDARDS AS NOTED.
- PUMP CANOPY AND GAS STATION ROOFTOPS SHALL BE DIRECTLY CONNECTED INTO THE PROPOSED DRAINAGE PIPING SYSTEM AS SHOWN ON THE PLANS. ROOF RUNOFF FROM THE CAR WASH STRUCTURE SHALL BE TO GRADE OR CONNECTED AS SHOWN.

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.
 - ALL CONSTRUCTION VEHICLES SHALL ENTER AND LEAVE THE SITE VIA ONE OF THE PAVED ACCESS POINTS. SHOULD THIS NO LONGER BE POSSIBLE AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL CONSTRUCT A SUPPLEMENTAL STABILIZED CONSTRUCTION ENTRANCE CONFORMING TO THE DETAIL PROVIDED.
 - 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 AREAS PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - CONTRACTOR TO LOCATE EXISTING SEWER AND WATER SERVICES TO EXISTING STRUCTURE. SERVICES SHALL BE DISCONNECTED AND MARKED IN THE FIELD FOR LATER USE.
 - DEMOLISH EXISTING STRUCTURES, WALLS, AND EXISTING PAVEMENT WITH THE EXCEPTION OF THE PAVED CONSTRUCTION ENTRANCE. REMOVE AND DISPOSE OF ALL MATERIAL AT A LICENSED OFF-SITE FACILITY.
 - REMOVE VEGETATION ONLY WHERE NECESSARY. ANY STUMPS TO BE GROUND OR DISPOSED OF OFF SITE.
 - EXCAVATE DETENTION AREA IN ACCORDANCE WITH THE PLANS AND ESTABLISH A TEMPORARY VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER. THIS DEPRESSION SHALL BE USED AS A DEWATERING AREA SHOULD ONE BE REQUIRED DURING CONSTRUCTION.
 - ROUGH GRADE SITE AND BUILDING PADS PER GRADING PLAN.
 - EXCAVATE FOR AND INSTALL FUEL TANKS AND UNDERGROUND CAR WASH WATER RECLAMATION TANKS.
 - CONSTRUCT BUILDINGS AND RETAINING WALLS. INSTALL DRAINAGE SYSTEM AND CONVEYANCE.
 - FINAL GRADE SITE AND INSTALL BINDER PAVEMENT COURSE. SET CURBING PER DETAIL PROVIDED.
 - REMOVE SEDIMENTS FROM DETENTION BASIN EXCAVATION. EXCAVATE AND INSTALL LINER. COMPLETE DETENTION BASIN CONSTRUCTION.
 - ENSURE THAT ROOFTOP DRAINAGE SYSTEMS FUNCTION AS NOTED ON DRAINAGE PLAN.
 - TOP PAVEMENT COURSE AND MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.

2. 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.
- AS ALL DRAINAGE SYSTEMS ARE TO BE LINED, THESE AREAS MAY BE USED FOR 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.
- FILL INTENDED TO SUPPORT BUILDING STRUCTURES AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
- 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.
- KEEPS 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.

3. VEGETATIVE PRACTICE:

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

4. 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. SEDIMENT TRAPPED BEHIND THE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REGRADED ON THE SITE.
 - 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 RIPRAP SHALL BE INSPECTED MONTHLY FOR EXCESSIVE ACCUMULATION OF SEDIMENT. IT MAY BE NECESSARY TO REMOVE STONES, EXCAVATE SEDIMENT, AND REPLACE STONES.
 - IF INSTALLED, THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO PAVING. DURING CONSTRUCTION THE ENTRANCE SHALL BE INSPECTED WEEKLY, AND RE-ESTABLISHED AS NECESSARY.
 - SEEDED AREAS WILL BE FERTILIZED AND RESEED AS NECESSARY TO INSURE ESTABLISHMENT OF A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER.

STORMWATER MAINTENANCE NOTES

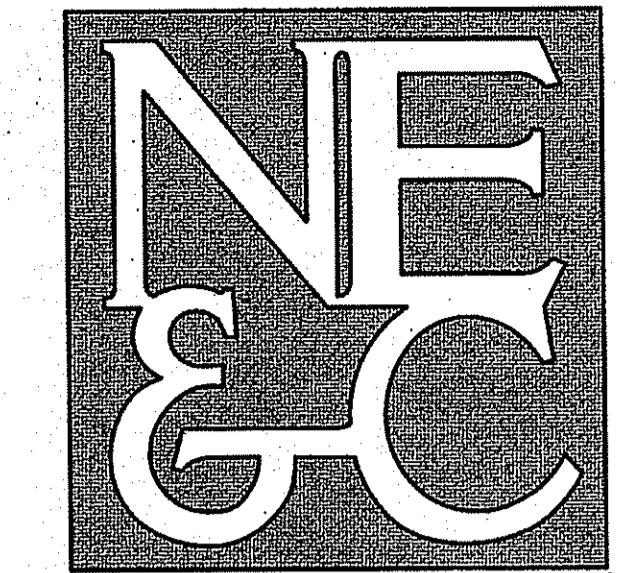
- UNDERGROUND SAND FILTER MAINTENANCE:
 - GRASSES SHALL BE PLANTED OVER SYSTEMS NOT IN PAVED AREAS TO STABILIZE THE GROUND AND PREVENT EROSION.
 - EACH FILTER SHOULD BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE FILTER SHOULD BE INSPECTED AT LEAST ANNUALLY AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.8 INCHES). SHOULD THE AVERAGE DEPTH OF SEDIMENT EXCEED 1 INCH AT THE BOTTOM OF THE CHAMBERS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A MANNER CONSTANT WITH THE MANDATES OF THE RIDEM. THE PRESENCE OF EXCESSIVE SEDIMENTS MAY INDICATE A FAILURE IN THE ROOF LEADER SYSTEM OR THE MANIFOLD PIPING. OWNER SHOULD CONSULT A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE CAUSE OF THE FAILURE AND THE BEST COURSE OF ACTION TO CORRECT THE ISSUE.
 - THE FOLLOWING SHALL ALSO BE COMPLETED WHEN NECESSARY:
 - SILT/SEDIMENT SHOULD BE REMOVED FROM THE CHAMBERS 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 SYSTEM MUST BE EXCAVATED AND THE TOP 6 INCHES OF SAND SHOULD BE REMOVED AND REPLACED. IF DISCOLORED 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. THE CHAMBERS SHALL BE RE-INSTALLED ACCORDING TO THE ORIGINAL DESIGN PLANS.
- 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 BIENNIALY. ANY STRUCTURAL FAULTS SHOULD BE REPAIRED AS NECESSARY FOR PROPER FUNCTION OF THE STRUCTURE.
 - ROOF RUNOFF STRUCTURES SUCH AS GUTTERS AND DOWNSPOUTS 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.
- 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
BIT	BITUMINOUS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN	CONNECT
COTG	CLEAR ON 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
ELEVEL	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
MW	MINIMUM
PAVT	PAVEMENT
PVC	POLYVINYLCHLORIDE
R	RADIUS
RC	REINFORCED CONCRETE
RECONN	RECONNECT
RHB	RHODE ISLAND HIGHWAY BOUND
RIDOT	RHODE ISLAND DEPARTMENT OF TRANSPORTATION
ROW	RIGHT OF WAY
S	SLOPE, SEWER
SF	SQUARE FEET
SHT	SHEET
SMH	SEWER MANHOLE STATION
STA	STATION
STRUCT	STRUCTURAL
TC	TOP OF CURB
TOP	TOP OF SURFACE
UTG	UNDERGROUND TELEPHONE
TYP	TYPICAL
W	WATER
W	WITH
WMI	WELDED WIRE MESH

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

NORTHEAST ENGINEERS & CONSULTANTS, INC.



A KNOWLEDGE CORPORATION

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

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 20 2018 FILE # 17-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jonathan D. Wemek

3	RIDEM & RIDOT REVISIONS	06MAR18	
2	RIDOT PAP SUBMISSION	05DEC17	
1	ADDED INTERIOR ASSESSOR LOTS	20NOV17	
No.	Revision	Date	App.
Designed By:	Drawn by:	JJR	Checked by: GES
Scale:	N/A	Date:	01OCT17

PATRIOT PETROLEUM
A.P.: 113, LOTS 190, 191, 192, 193, 195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

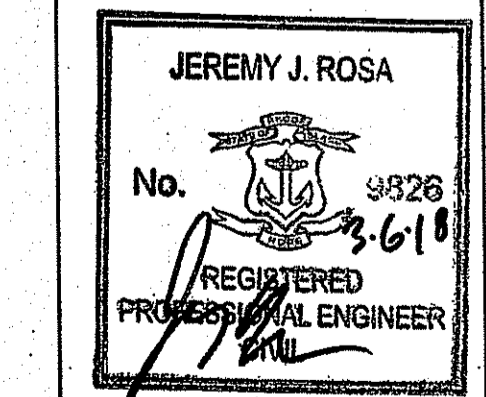
Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

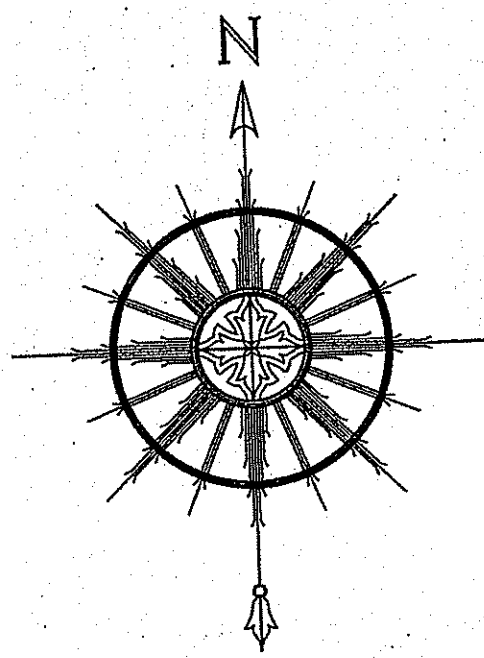
Issued for:
PERMITTING

Drawing Title:
PROJECT NOTES

Drawing Number: C-2
Sheet 2 of 10
Project Number: 17132.0
Survey Index: 13 - 113 -190, 191

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.





LEGEND:

- PROPERTY LINE
- - - ABUTTER PROPERTY LINE
- - - TOPOGRAPHIC CONTOUR
- - - STONE WALL
- - - WOOD FENCE
- - - ROW OF METAL POLES
- - - EDGE OF BRUSH
- - - DRAIN LINE
- - - EDGE OF WETLANDS
- MANHOLE
- DRAIN MANHOLE
- SEWER MANHOLE
- ELECTRIC MANHOLE
- FIBER OPTIC MANHOLE
- CATCH BASIN
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- SIGN
- OBSERVATION WELL
- CEDAR TREE
- BOUND
- IRON ROD
- WETLAND FLAG

GENERAL NOTES:

- EXISTING CONDITIONS ARE THE RESULT OF A FIELD SURVEY BY NORTHEAST ENGINEERS & CONSULTANTS, INC. IN AUGUST 2017.
- VERTICAL DATUM IS NAVD 88.
- NORTH ARROW REFERENCES GRID NORTH (RISP NAD83).
- WETLANDS FLAGGED BY EDWARD J. AVIZINIS PWS, CPSS, DATE 7/21/17
- AP 113 LOTS 191, 192, 193, 195, & 197 WILL BE COMBINED BY A FUTURE ADMINISTRATIVE SUBDIVISION PLAN.

PLAN REFERENCES:

- "MIDDLETOWN AQUIDNECK AVENUE PURGATORY ROAD TO EAST MAIN ROAD", SCALE: 40 FT PER INCH, RHODE ISLAND HIGHWAY PLAT NO. 164
- "PORTSMOUTH-MIDDLETOWN EAST MAIN ROAD", SCALE 40 FEET PER INCH, RHODE ISLAND HIGHWAY PLAT NO. 430.
- "SITE SKETCH FOR APPROXIMATE WETLAND DELINEATION 533 EAST MAIN ROAD A.P. 113, LOTS 190 & 191", BY EDWARD J. AVIZINIS PWS, CPSS, DATE 7/21/17.
- MINOR SUBDIVISION OF LAND BELONGING TO JUDITH A. KELLEY ASSESSOR'S PLATE 113 LOT 189 WYATT ROAD MIDDLETOWN, RHODE ISLAND, PREPARED BY M.J. GASTON & ASSOCIATES, SCALE 1"=40', DATE JANUARY 21, 2008
- "PLAN OF LAND IN MIDDLETOWN, RHODE ISLAND", PREPARED BY GILBERT & MALONEY ENGINEERS & LAND SURVEYORS, SCALE 1"=40', DATE JANUARY 15, 1998.
- "PLAT SHOWING LAND OF M. & L. DIE & TOOL COMPANY INC. CONVEYED TO THE CARLTON MOTOR COURT INC.", PREPARED BY HAROLD ST. JOHN, SCALE 1"=50', DATE OCT. 1954.
- "PLAN OF LAND" BY RALPH T. DUFFY, DATE DECEMBER 5, 1953.
- "PLAN OF LAND" BY RALPH T. DUFFY, DATE MARCH 7, 1951, SCALE 1"=50'.

CERTIFICATION:

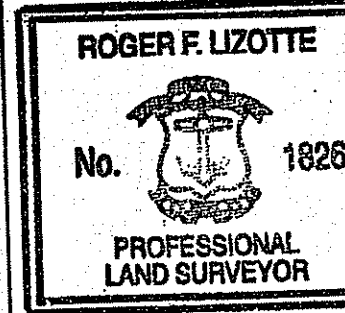
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY	CLASS I
DATA ACCUMULATION SURVEY	CLASS III
TOPOGRAPHIC SURVEY ACCURACY	CLASS T-2

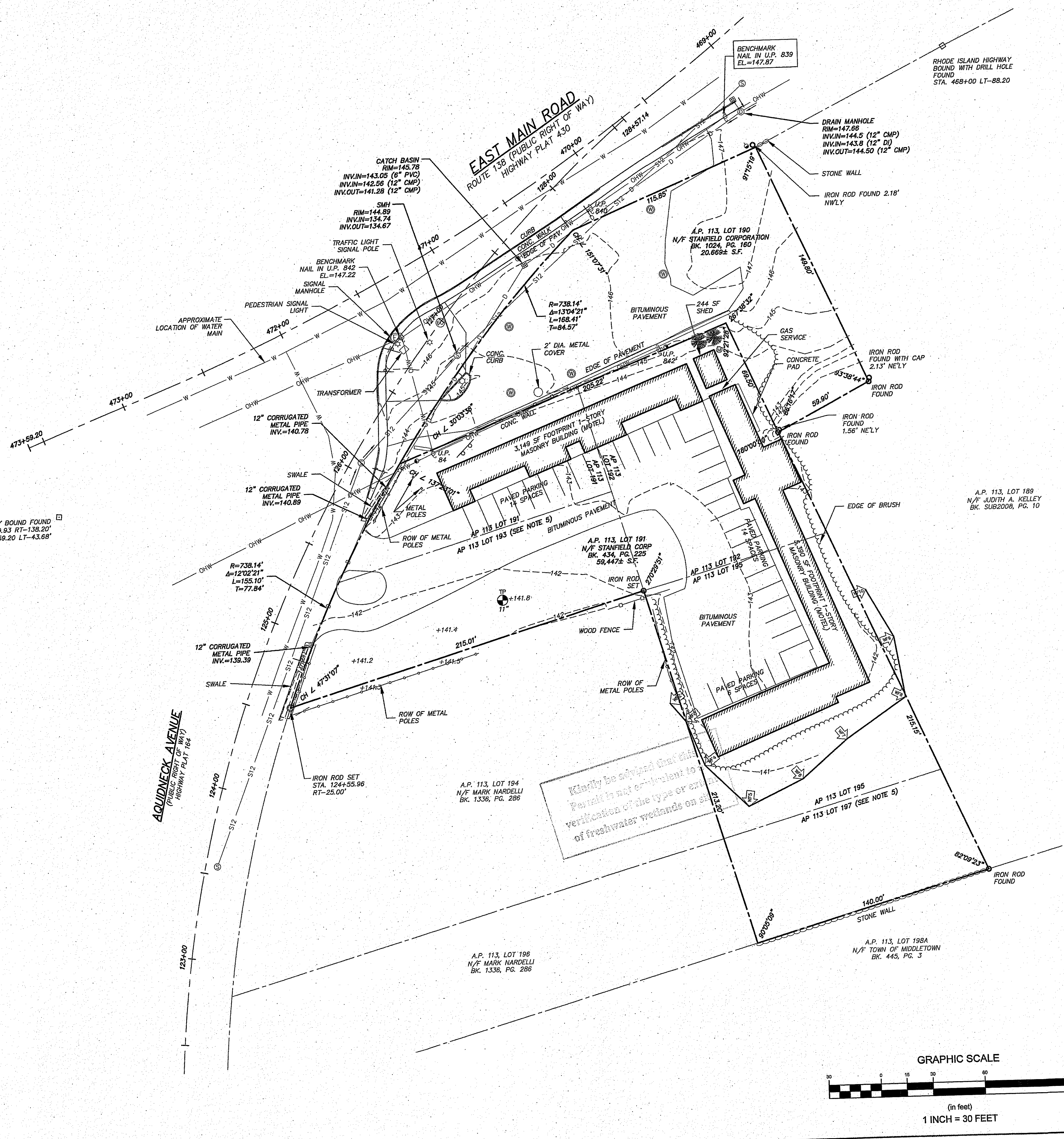
STATEMENT OF PURPOSE:

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

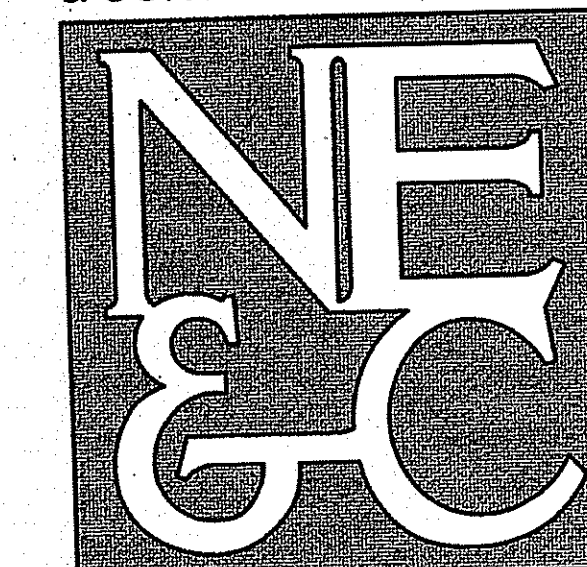
TO DETERMINE AND MONUMENT THE LOCATION OF THE PROPERTY BOUNDARIES OF A.P. 113, LOTS 190 & 191 AND TO SHOW EXISTING PHYSICAL FEATURES AND TOPOGRAPHY.



BY *Roger F. Lizotte*
 ROGER F. LIZOTTE
 COA NO. A356
 11/20/17

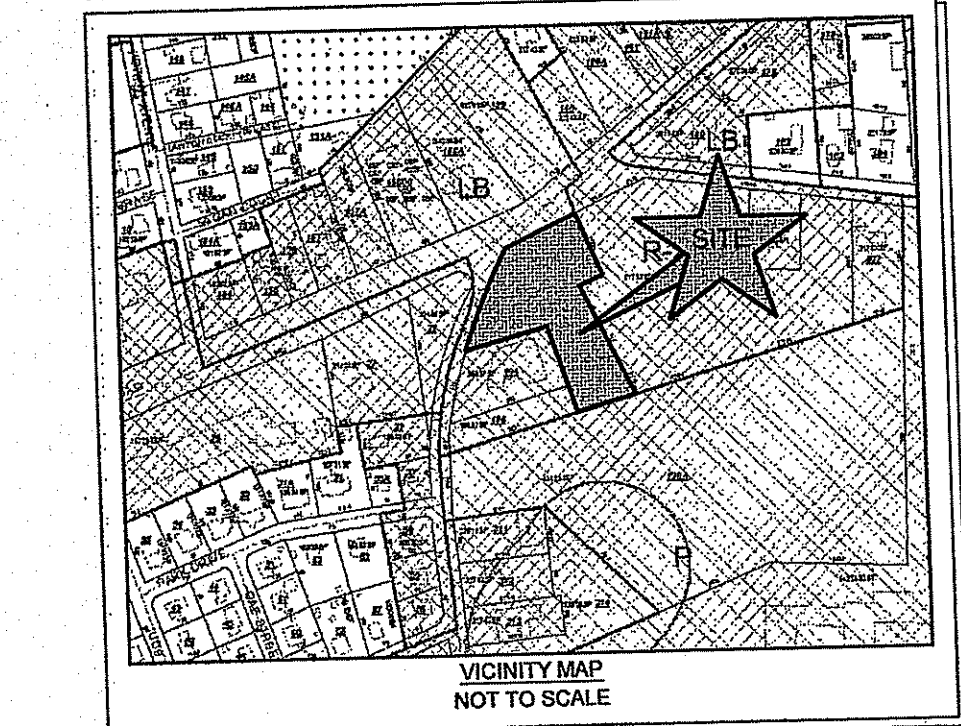


NORTHEAST ENGINEERS & CONSULTANTS, INC.



A KNOWLEDGE CORPORATION

55 JOHN CLARKE ROAD MIDDLETOWN, RHODE ISLAND 02842
 PHONE (401) 849-0810 FAX (401) 846-4169
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Martin D. Wencch

No.	Revision	Date	App.
1	ADDED INTERIOR ASSESSOR LOTS	20NOV17	

Designed By: _____ Drawn by: JJR Checked by: GES
 Scale: 1"=30' Date: 27SEP17

Project Title:
PATRIOT PETROLEUM
 A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
 1225 AQUIDNECK AVENUE AND
 533 EAST MAIN ROAD (RT. 138)
 MIDDLETOWN, RHODE ISLAND

Client/Owner:
 BENZINE DEVELOPMENT, LLC
 3302 EAST MAIN ROAD
 PORTSMOUTH, RHODE ISLAND

Issued for:
 PERMITTING

Drawing Title:
EXISTING CONDITIONS

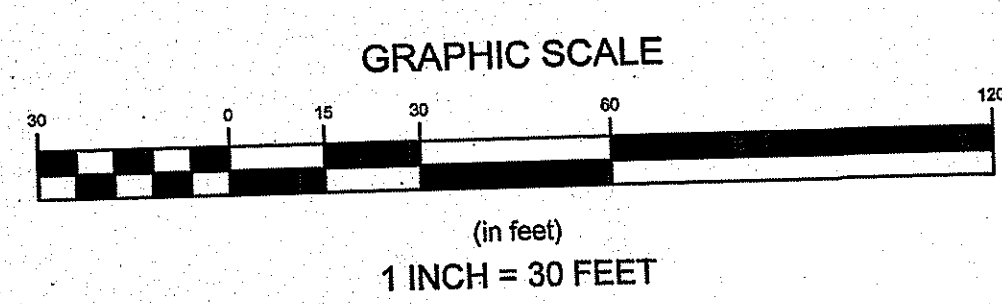
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C-3

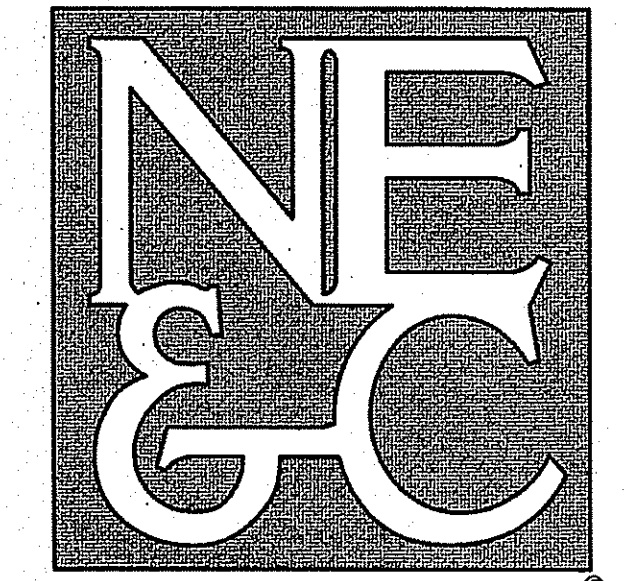
Sheet 3 of 10

Project Number:
 17132.0

Survey Index:
 13 - 113 -190, 191

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.

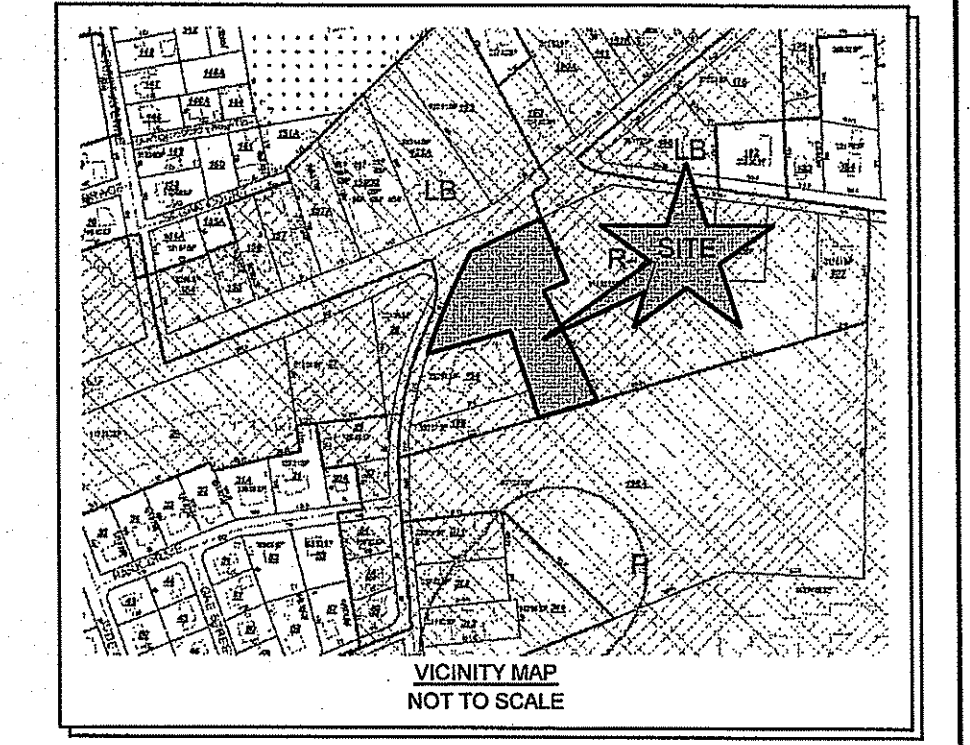




SITE/CIVIL
LAND PLANNING
WATERFRONT
SURVEYING
GEOTECHNICAL
ENVIRONMENTAL
TRANSPORTATION
STRUCTURAL

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No.	Revision	Date	App.
3	RIDEM AND RIDOT REVISIONS	22FEB18	
2	RIDOT PAP SUBMISSION	05DEC17	
1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	

Designed By: _____ Drawn by: **JJR** Checked by: **GES**
Scale: 1"=30' Date: 01OCT17

Patriot Petroleum
A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

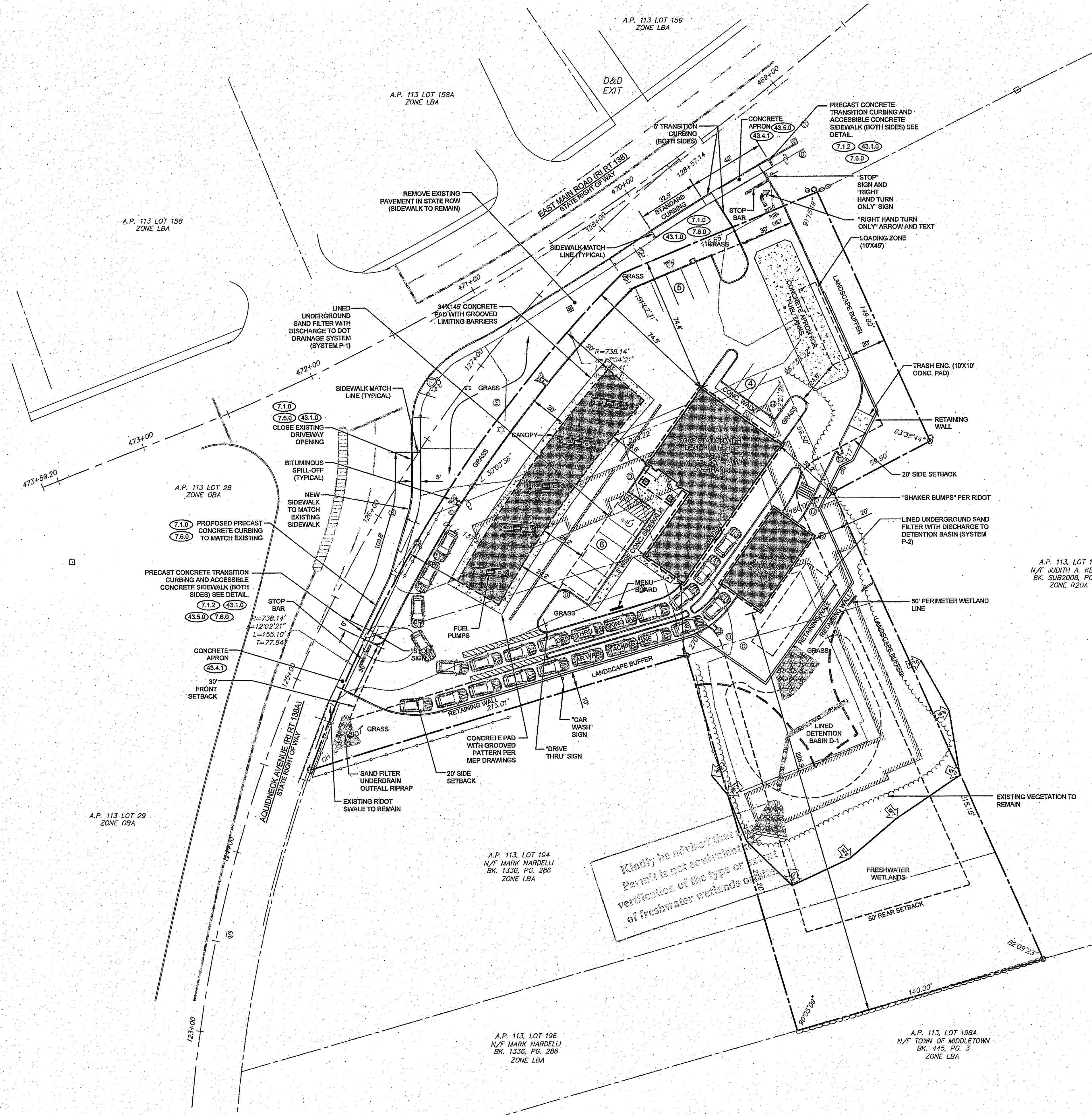
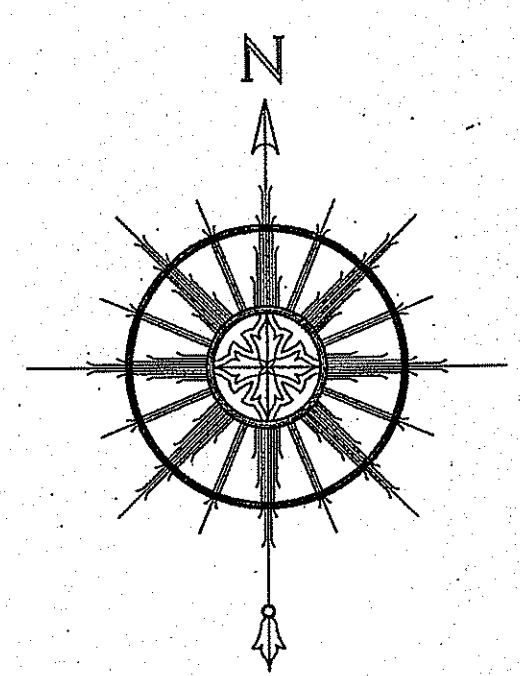
Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Issued for:
PERMITTING

Drawing Title:
PROPOSED LAYOUT

	Drawing Number:	C-4
	Sheet	4 of 10
	Project Number:	17132.0
	Survey Index:	13 - 113 - 190, 191

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LEGEND:

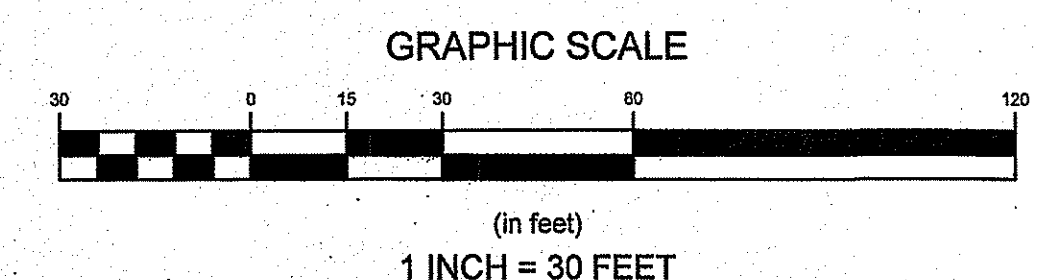
	PROPERTY LINE
	ABUTTER PROPERTY LINE
	EDGE OF BRUSH
	MANHOLE
	DRAIN MANHOLE
	SEWER MANHOLE
	ELECTRIC MANHOLE
	FIBER OPTIC MANHOLE
	CATCH BASIN
	UTILITY POLE
	GUY WIRE
	LIGHT POLE
	SIGN
	IRON ROD
	WETLAND FLAG

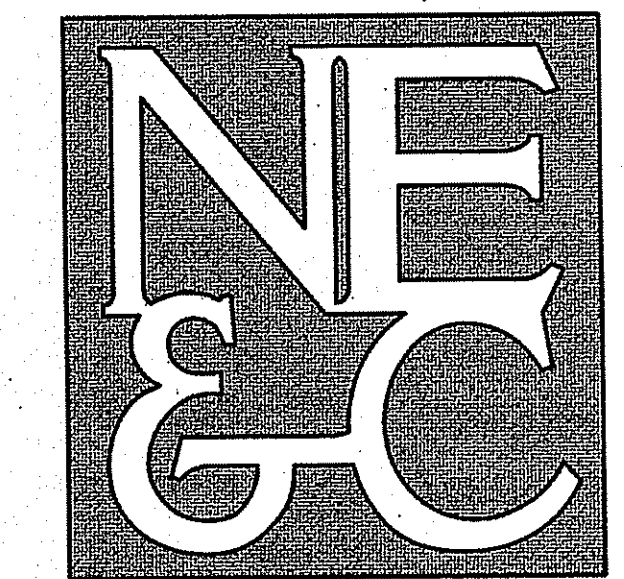
MIDDLETOWN DIMENSIONAL REQUIREMENTS
ZONE LBA (LIMITED BUSINESS); OTHER PERMITTED USES

	REQUIRED	PROPOSED
MINIMUM LAND AREA =	20,000 S.F.	80,116 S.F.
MINIMUM FRONTAGE =	120 FEET	323.51 / 115.58 FEET
MINIMUM SETBACKS =		
FRONT	10 FEET	74.4 FEET
SIDE	20 FEET	20.0 / 39.8 FEET
REAR	50 FEET	225.9 FEET
MAXIMUM HEIGHT	35 FEET	35 FEET MAX
MAXIMUM LOT COVERAGE	35%	11.6%

PARKING REQUIRED:
GAS STATION / MINI-MART:
- 1 PER EMPLOYEE PLUS 3 PR 1,000 SQ. FT (NOT INCLUDING PARKING AT PUMPS)
REQUIRED: 15 SPACES
PROVIDED: 15 SPACES

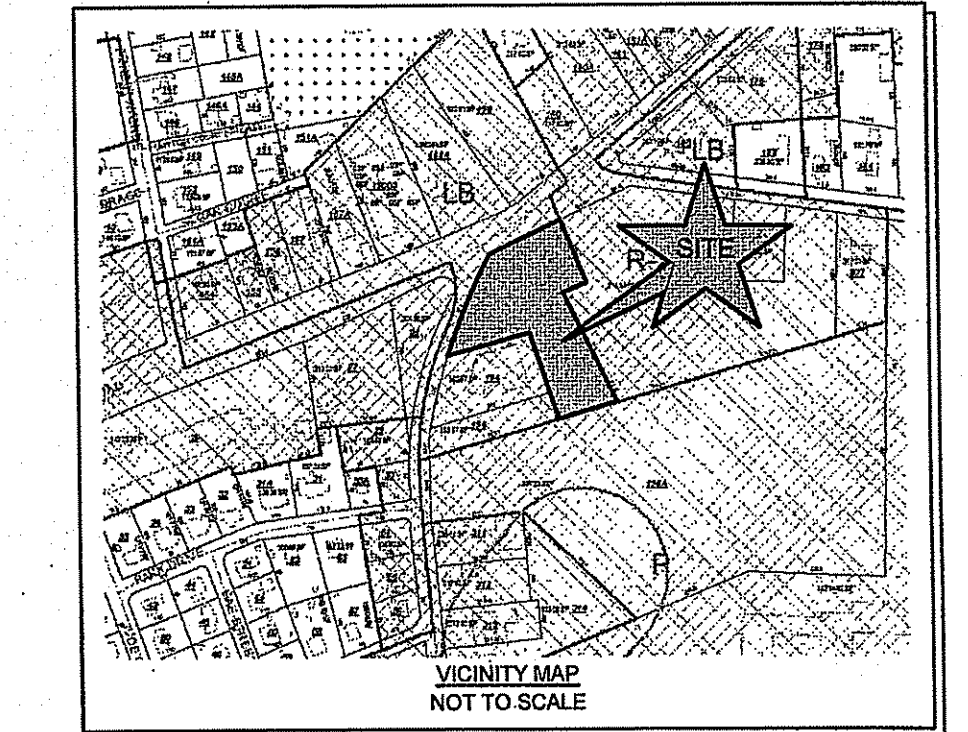
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 - WETLANDS FLAGGED BY EDWARD J. AVIZINIS PWS, CPSS 7/21/17.
 - PROPERTIES ARE LOCATED WITH IN A FEMA ZONE "X" PER FEMA FIRM 44005C0093J, MAP EFFECTIVE SEPTEMBER 4, 2013.





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55 JOHN CLARKE ROAD MIDDLETOWN, RHODE ISLAND 02842
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WWW.NORTHEASTENGINEERS.COM



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED **MAR 30 2018** FILE # **17-0302**
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

No.	Revision	Date	App.
3	RIDOT AND RIDEM REVISIONS	08MAR18	
2	RIDOT PAP SUBMISSION	05DEC17	
1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	

Designed By: _____ Drawn by: JJR Checked by: GES
Scale: 1"=30' Date: 01OCT17

Project Title:
PATRIOT PETROLEUM
A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Issued for:
PERMITTING

Drawing Title:
**PROPOSED GRADING
DRAINAGE AND SESC**

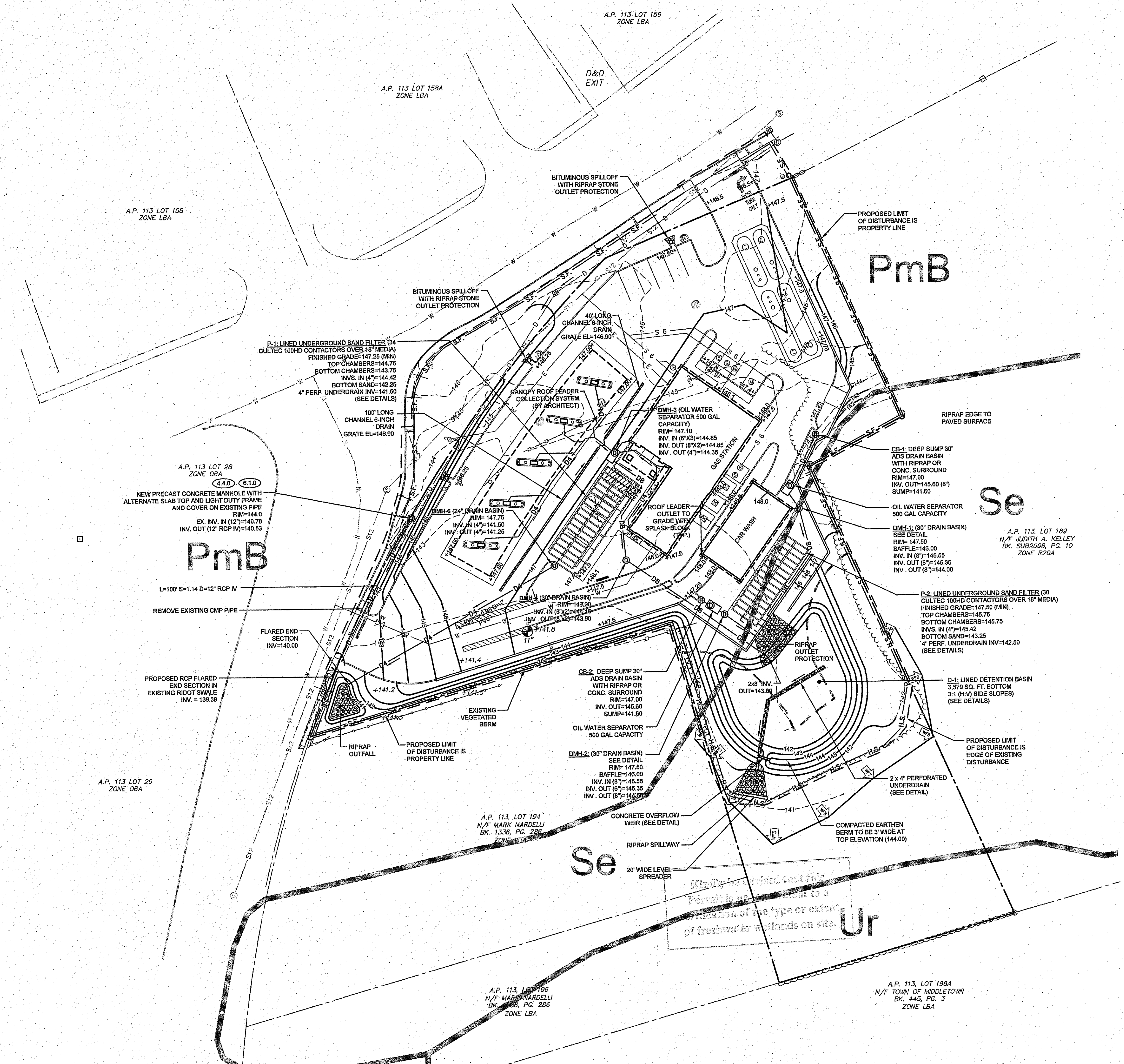
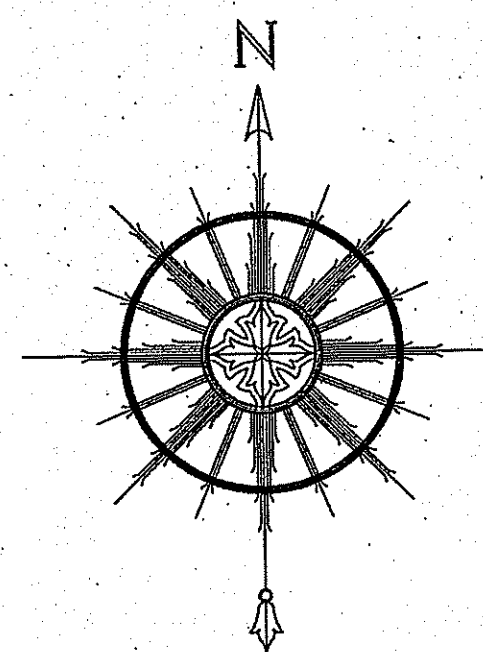
Drawing Number:
C-5

Sheet **5** of **10**

Project Number:
17132.0

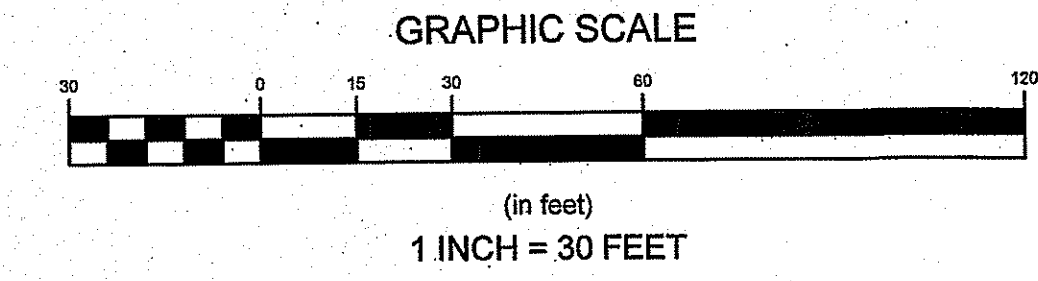
Survey Index:
13 - 113 - 190, 191

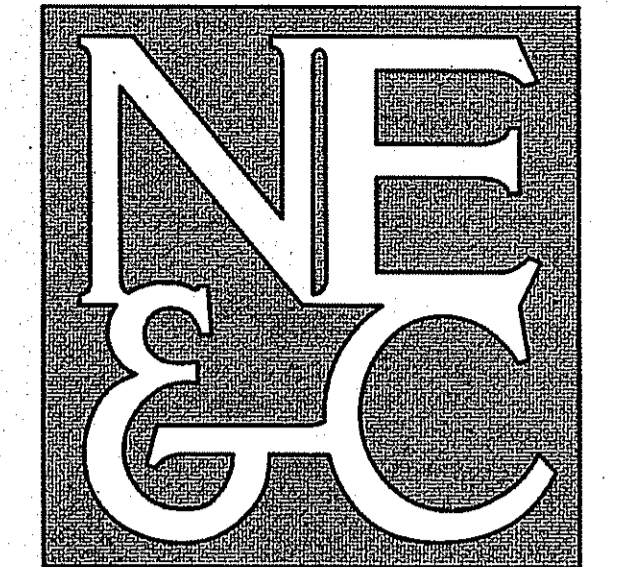
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- LEGEND:**
- PROPERTY LINE
 - - - ABUTTER PROPERTY LINE
 - WOOD FENCE
 - ROW OF METAL POLES
 - ⊙ MANHOLE
 - ⊙ DRAIN MANHOLE
 - ⊙ SEWER MANHOLE
 - ⊙ ELECTRIC MANHOLE
 - ⊙ FIBER OPTIC MANHOLE
 - ⊙ CATCH BASIN
 - ⊙ UTILITY POLE
 - ⊙ GUY WIRE
 - ⊙ LIGHT POLE
 - ⊙ SIGN
 - ⊙ OBSERVATION WELL
 - ⊙ IRON ROD
 - ⊙ WETLAND FLAG
 - 100' PROPOSED CONTOUR
 - +147.0 PROPOSED SPOT ELEVATION
 - D PROPOSED DRAIN LINE
 - ⊙ PROPOSED DRAIN MANHOLE / BASIN
 - ⊙ PROPOSED CATCH BASIN / INLET
 - S.F. PROPOSED PERFORATED DRAIN
 - H.S. PROPOSED SILT FENCE BARRIER
 - PROPOSED STRAW BALES AND SILT FENCE BARRIER
 - PROPOSED LIMIT OF DISTURBANCE

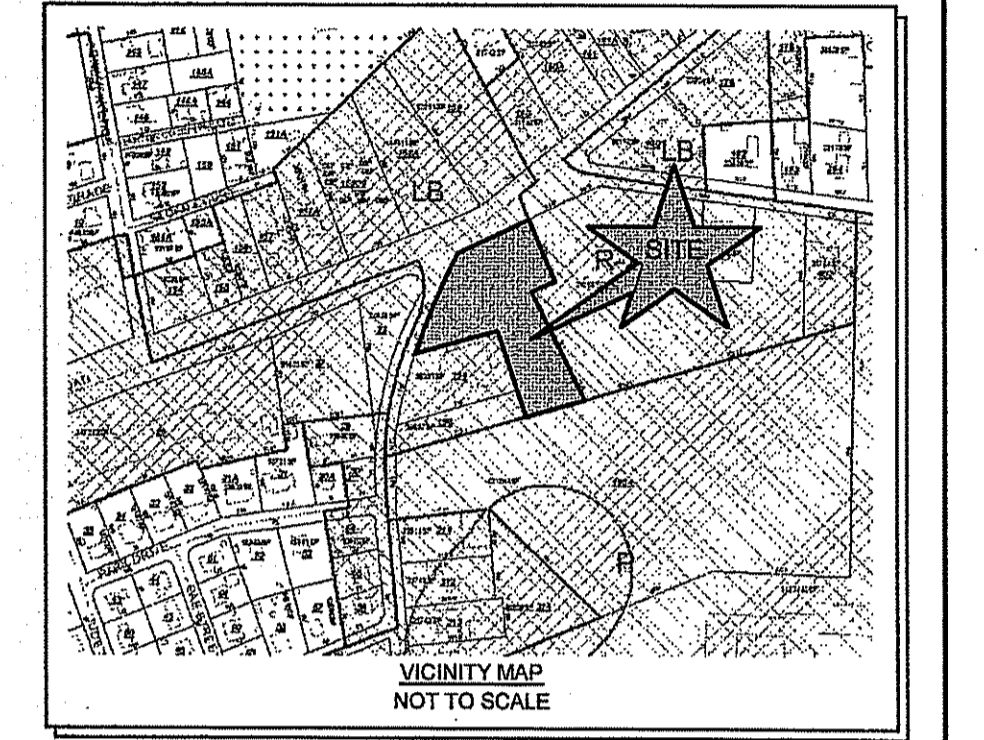
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 - PROPERTIES ARE LOCATED WITHIN A FEMA ZONE "X" PER FEMA FIRM 44005C0093, MAP EFFECTIVE SEPTEMBER 4, 2013.





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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Martin D. Wenzel

A.P. 113, LOT 189
N/F JUDITH A. KELLEY
BK. SUB200B, PG. 10
ZONE R20A

No.	Revision	Date	App.
3	RIDEM AND RIDOT REVISIONS	05MAR18	
2	RIDOT PAP SUBMISSION	05DEC17	
1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	

Designed By: _____ Drawn by: **JJR** Checked by: **GES**
Scale: 1"=30' Date: 01OCT17

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A.P. 113, LOTS 190,191,192,193,195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

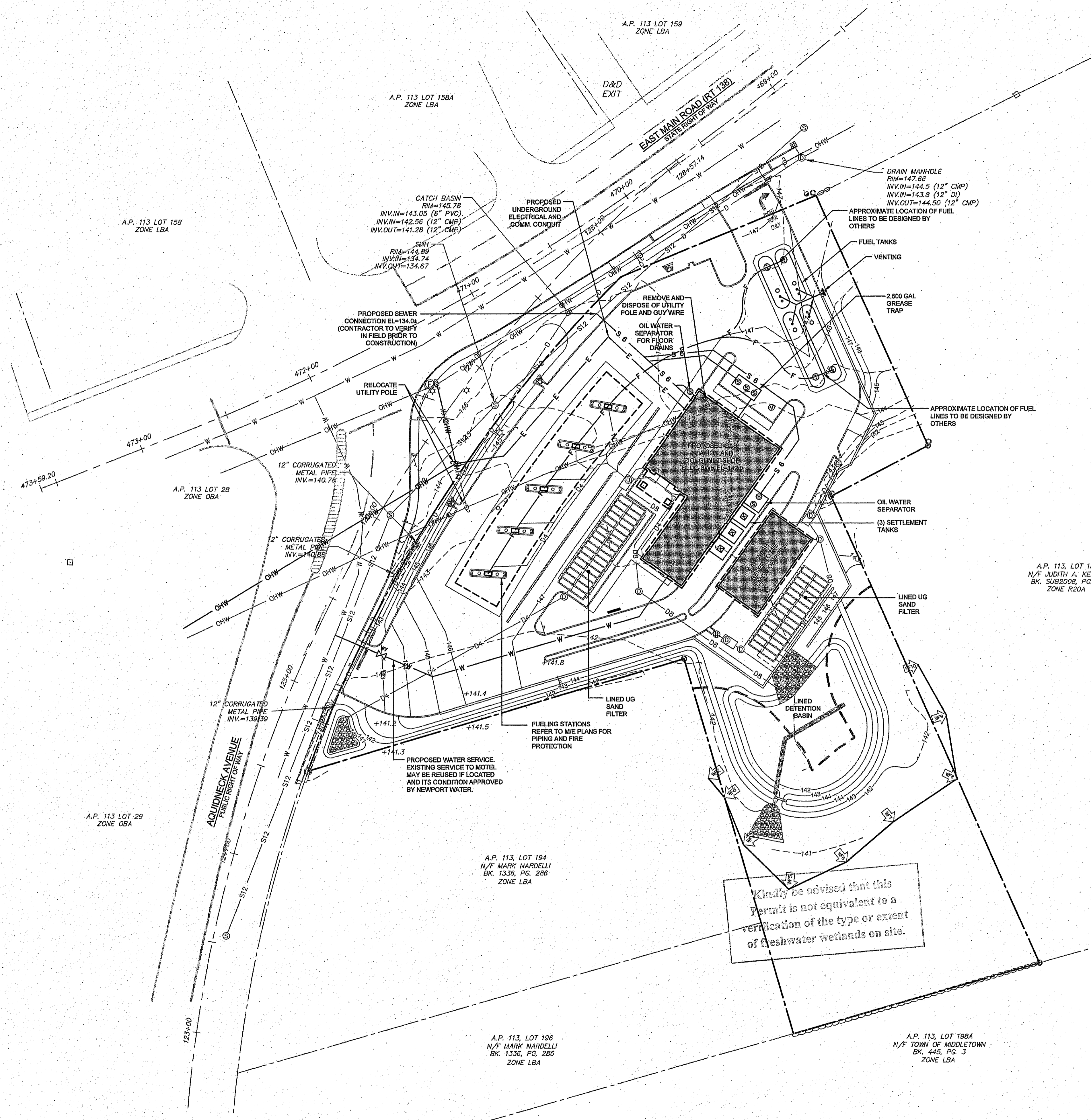
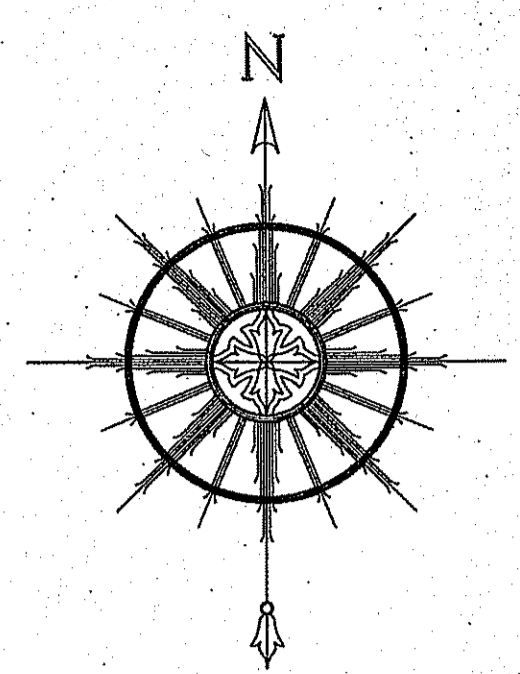
Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Issued for:
PERMITTING

Drawing Title:
PROPOSED UTILITIES

	Drawing Number: C-6
	Sheet 6 of 10
	Project Number: 17132.0
	Survey Index: 13 - 113 -190, 191

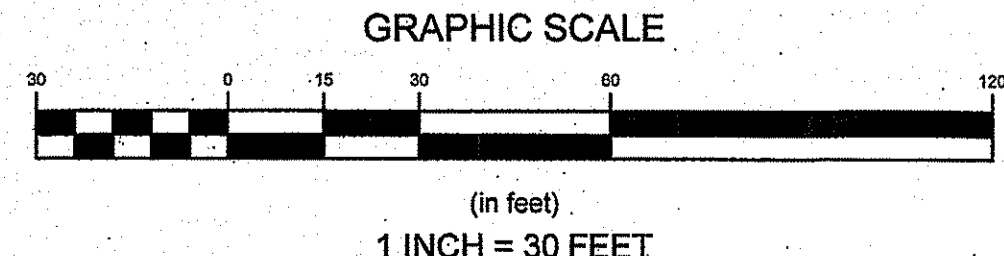
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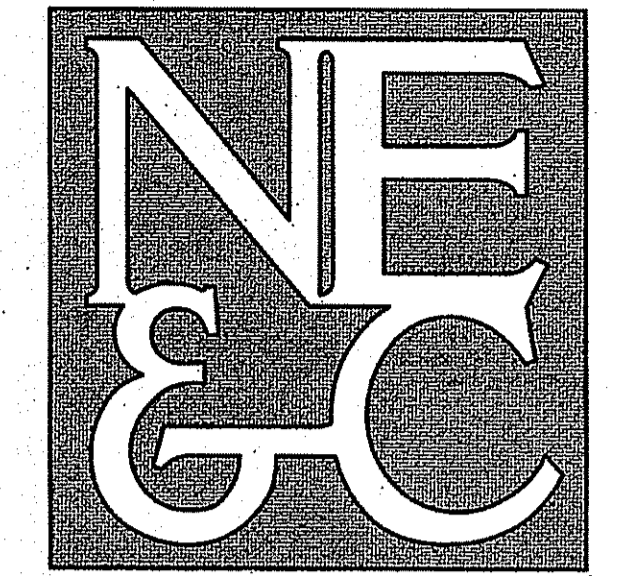


LEGEND:

	PROPERTY LINE
	ABUTTER PROPERTY LINE
	TOPOGRAPHIC CONTOUR
	STONE WALL
	EDGE OF WETLANDS
	MANHOLE
	DRAIN MANHOLE
	SEWER MANHOLE
	ELECTRIC MANHOLE
	FIBER OPTIC MANHOLE
	CATCH BASIN
	UTILITY POLE
	GUY WIRE
	LIGHT POLE
	SIGN
	OBSERVATION WELL
	IRON ROD
	WETLAND FLAG
	PROPOSED CONTOUR
	PROPOSED DRAIN MANHOLE / BASIN
	PROPOSED CATCH BASIN / INLET
	PROPOSED PERFORATED DRAIN
	PROPOSED OVERHEAD WIRE
	PROPOSED UG ELECTRICAL / COMM SERVICE
	PROPOSED FUEL LINE
	PROPOSED / RELOCATED UTILITY POLE

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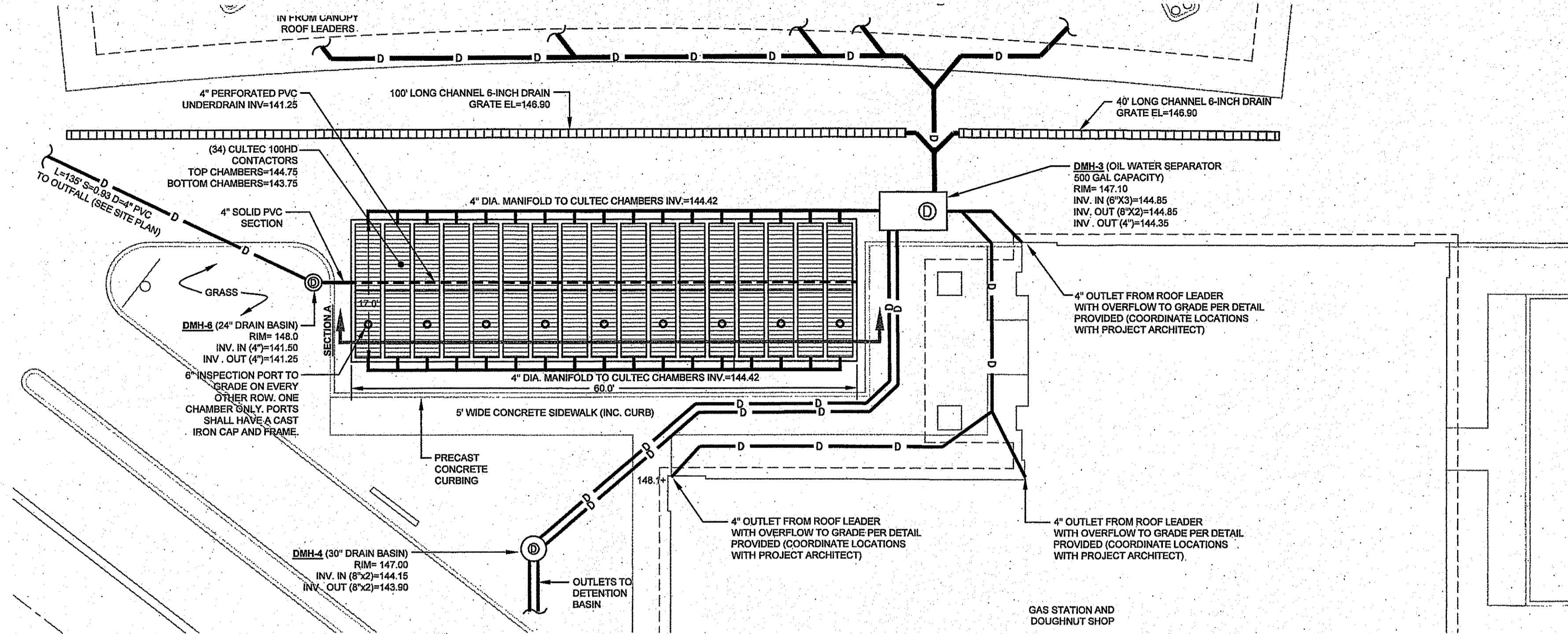




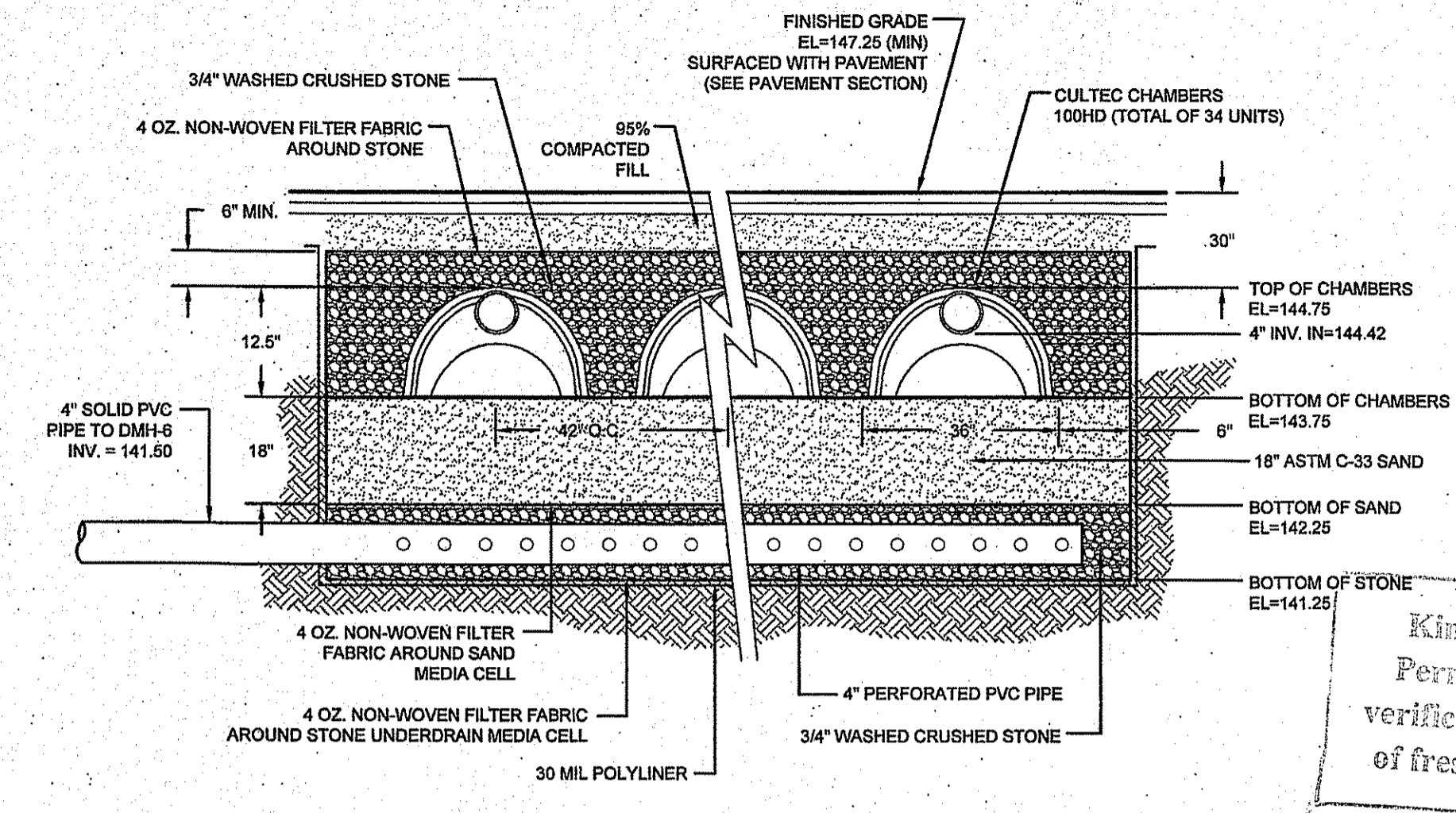
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LAND PLANNING
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STRUCTURAL



DETAIL PLAN OF UNDERGROUND SAND FILTER P-1
SCALE: 1"=10'

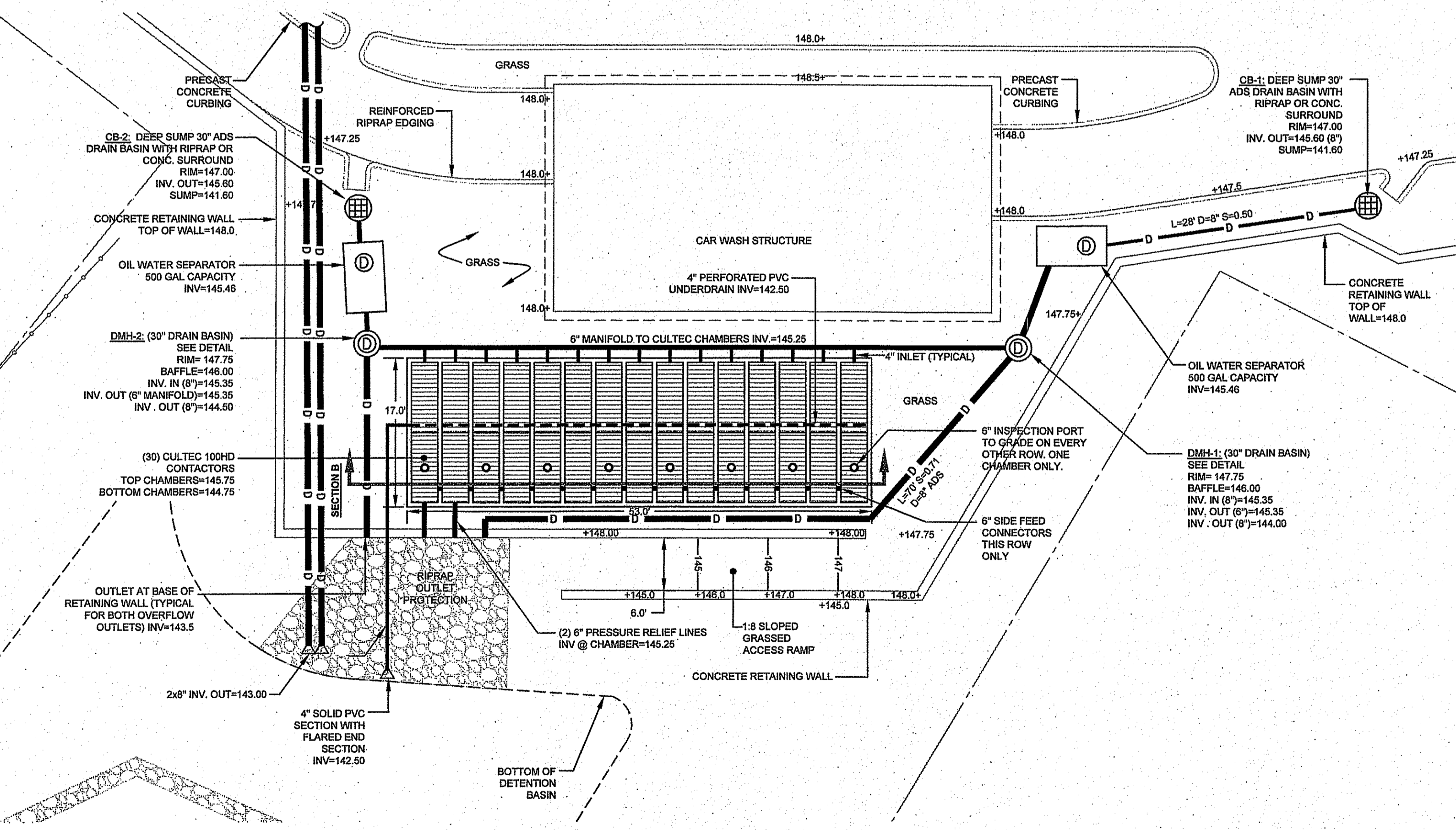


SUBSURFACE SAND FILTER P-1 SECTION A-A
SCALE: NOT TO SCALE

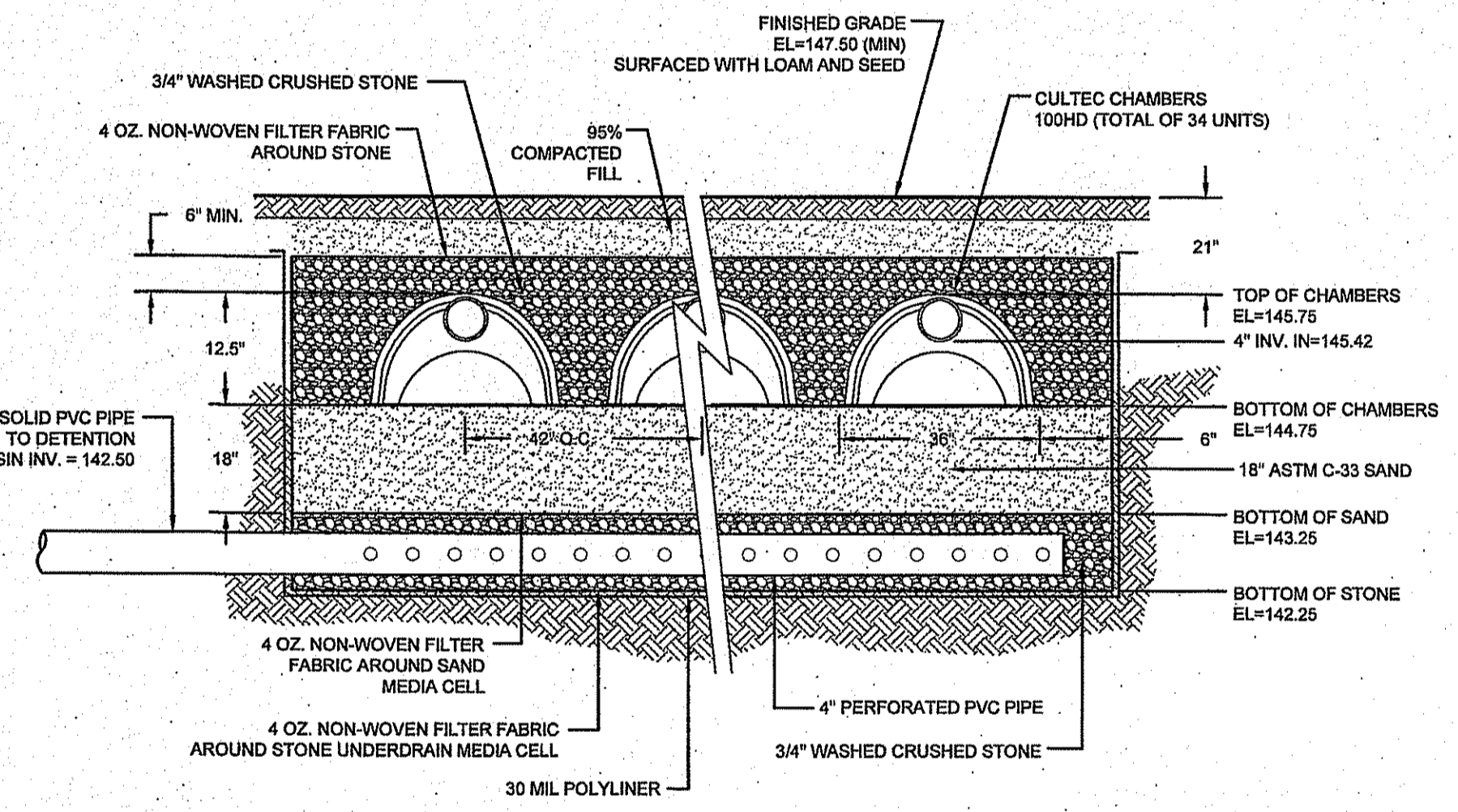
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DATED MAR 30 2010 FILE # 17-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

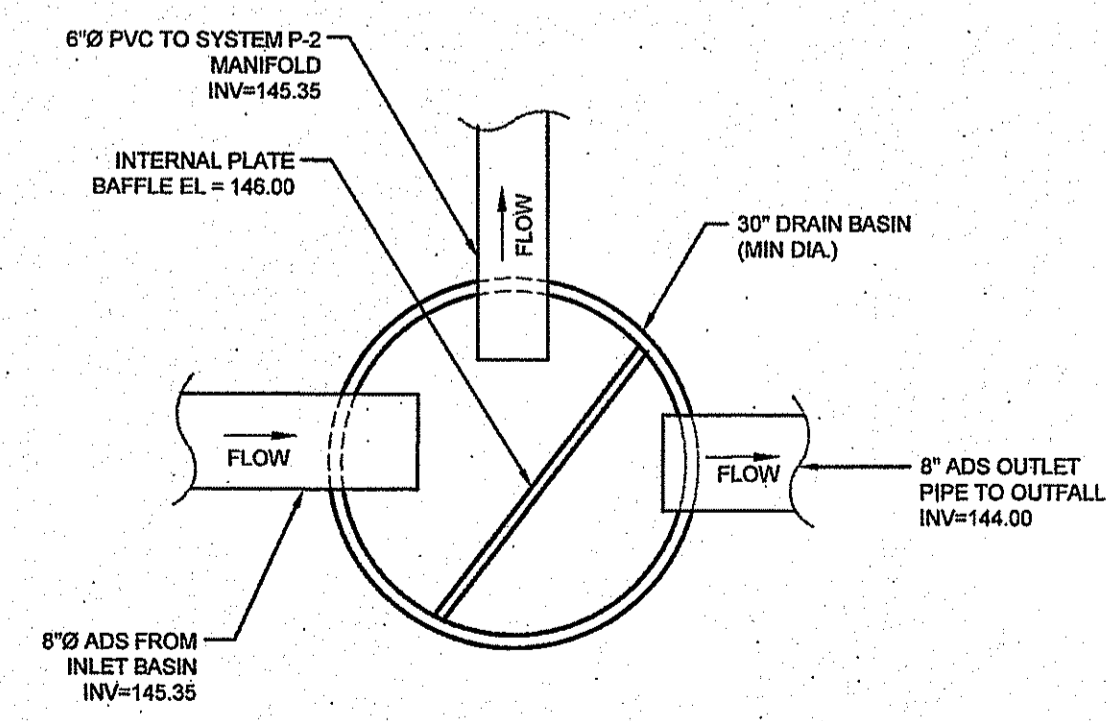
Jonathan D. Wencsek



DETAIL PLAN OF UNDERGROUND SAND FILTER P-2
SCALE: 1"=10'



SUBSURFACE SAND FILTER P-2 SECTION B-B
SCALE: NOT TO SCALE



DRAIN BASIN WITH BAFFLE (DMH 1-AND DMH-2)
SCALE: NOT TO SCALE

No.	Revision	Date	App.
3	RIDEM AND RIDOT REVISIONS	05MAR18	
2	RIDOT PAP SUBMISSION	05DEC17	
1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	

Designed By: _____ Drawn by: JJR Checked by: GES
Scale: AS SHOWN Date: 27SEP17

PATRIOT PETROLEUM
A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

PERMITTING

DETAIL SHEET 1

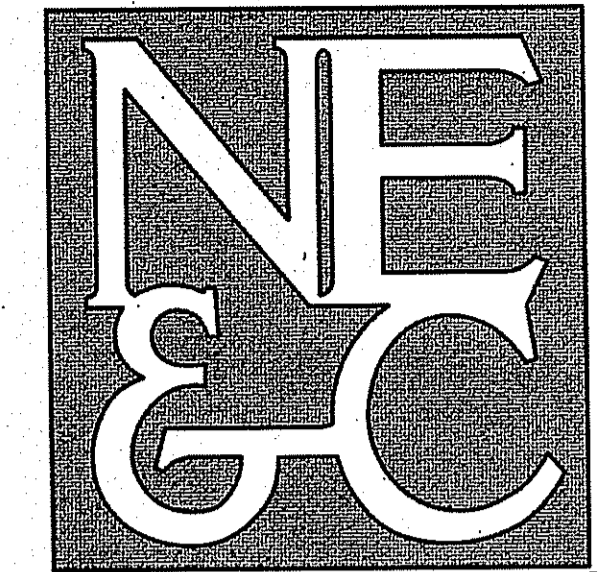
Drawing Number:
C-7

Sheet **7** of **10**

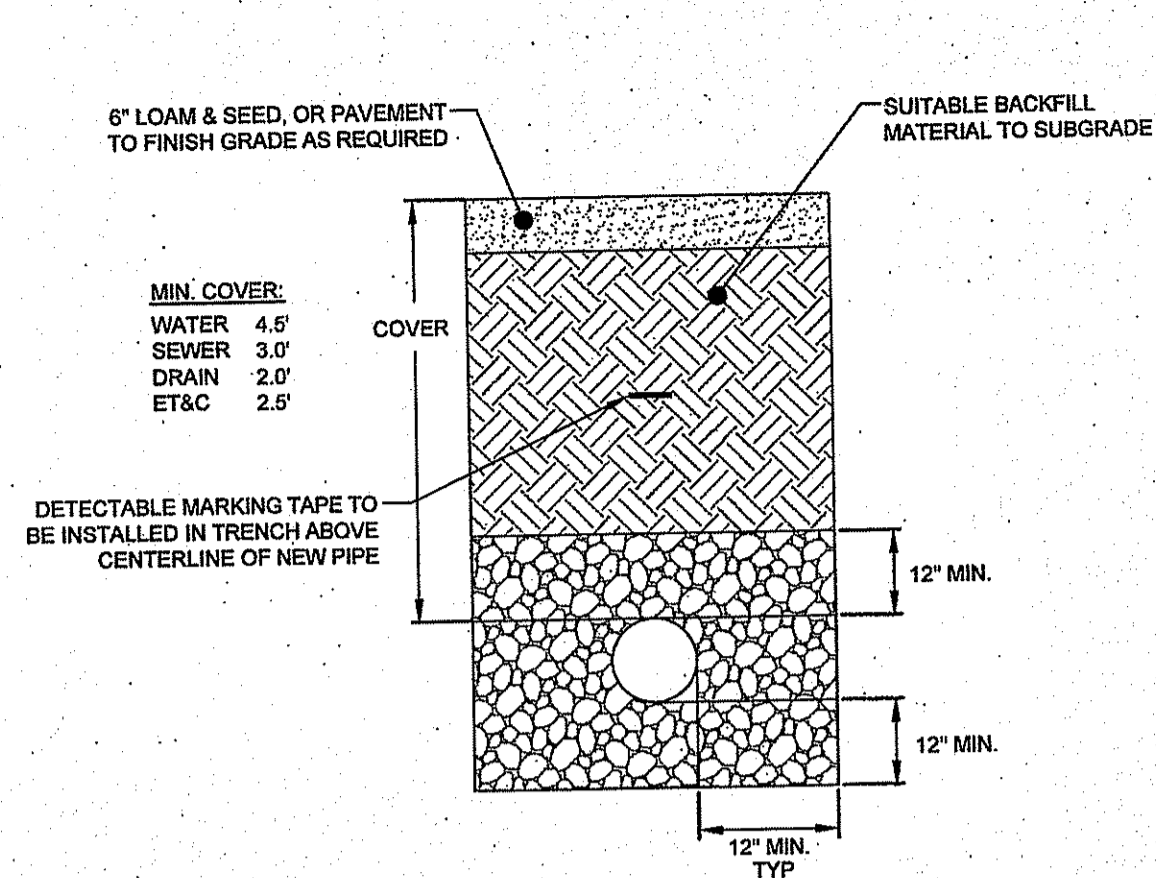
Project Number:
17132.0

Survey Index:
13 - 113 - 190, 191

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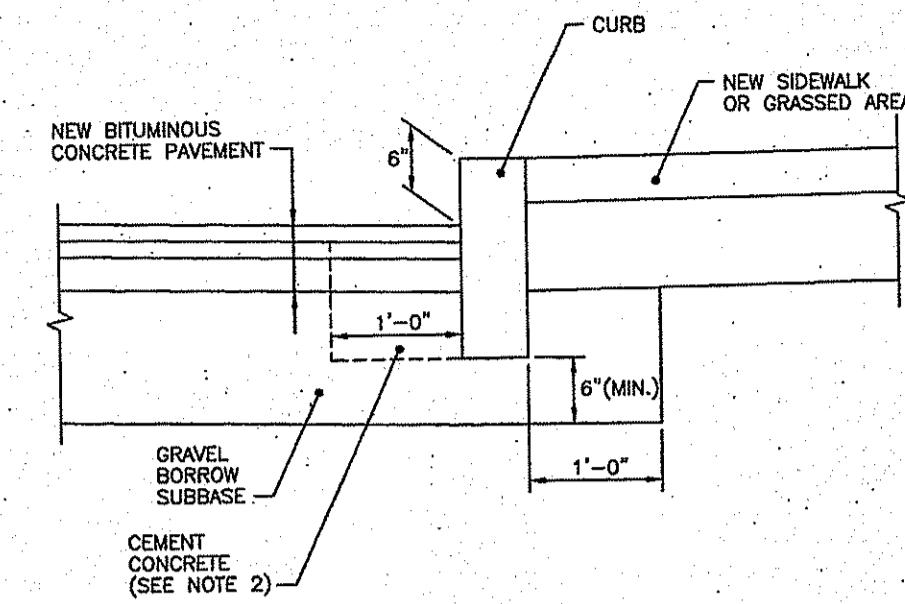


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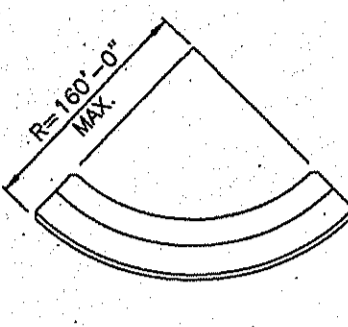
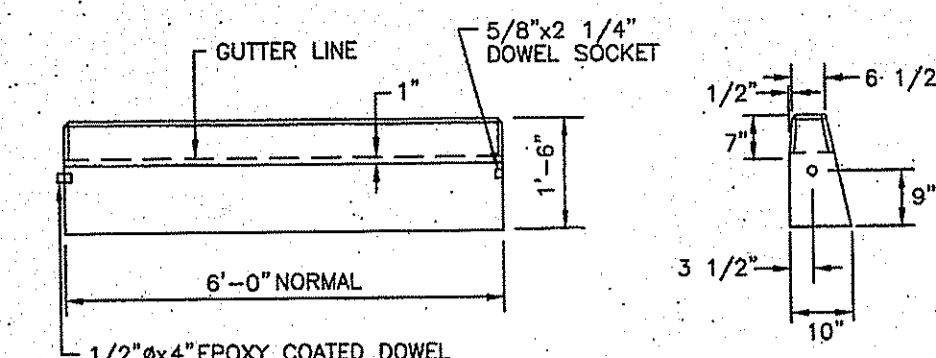
- NOTES:**
- UNSATURABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.
 - TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.
 - SEWER AND DRAIN PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE.
 - ALL PVC SEWER PIPES SHALL BE IPEX RING-TITE SDR 35, OR SIMILAR APPROVED.
 - ALL DRAIN PIPES SHALL BE ADS N-12 TYPE IB (SOILTIGHT) UNLESS OTHERWISE INDICATED.
 - ALL SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F879.
 - ALL NEW SEWER MANHOLES SHALL HAVE KOR-N-SEAL CONNECTIONS, TYPICAL OR EQUAL.
 - 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 T180). SUITABLE BACKFILL SHALL BE FREE OF LOAM, CLAY, ORGANIC MATTER AND PARTICLES LARGER THAN 2 INCHES IN DIAMETER.
 - 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.
 - WATER PIPE TRENCHES MUST BE BEDDED WITH SAND CONTAINING NO PARTICLES LARGER THAN 3/8". THIS MATERIAL MUST CONFORM TO AASHTO M5 REQUIREMENTS.
 - UTILITY INSTALLATIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE TOWN OF PORTSMOUTH PUBLIC WORKS DEPARTMENT AND PORTSMOUTH WATER AND FIRE DISTRICT RULES AND REGULATIONS.
 - 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.

UTILITY TRENCH DETAIL
SCALE: NOT TO SCALE



- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 - CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE, OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

CURB SETTING DETAIL (RIDOT STD 7.6.0)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



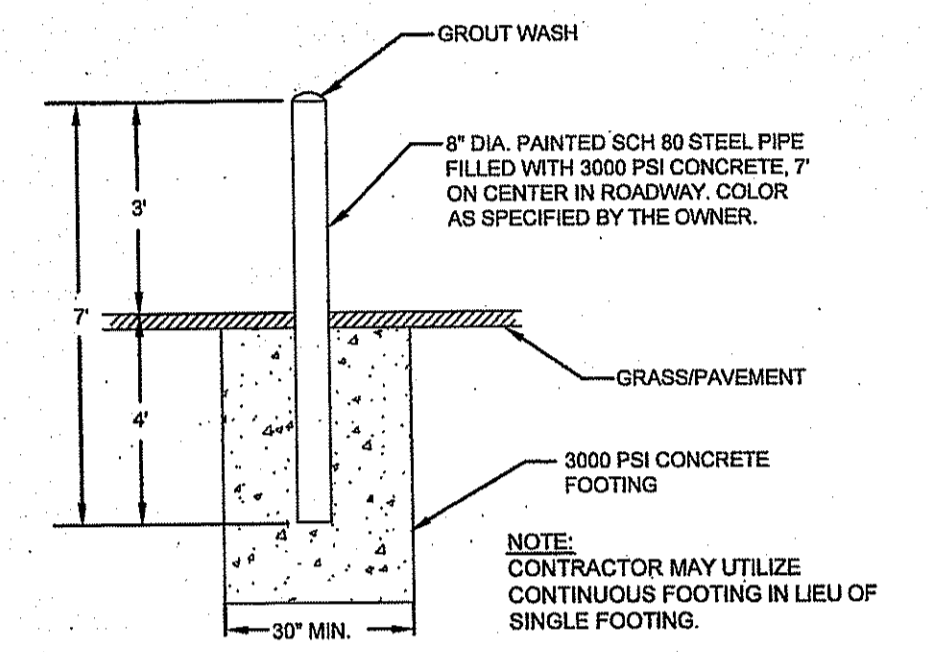
CIRCULAR CURB

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 30 2018 FILE # 17-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

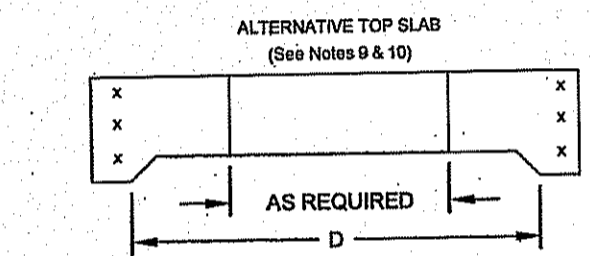
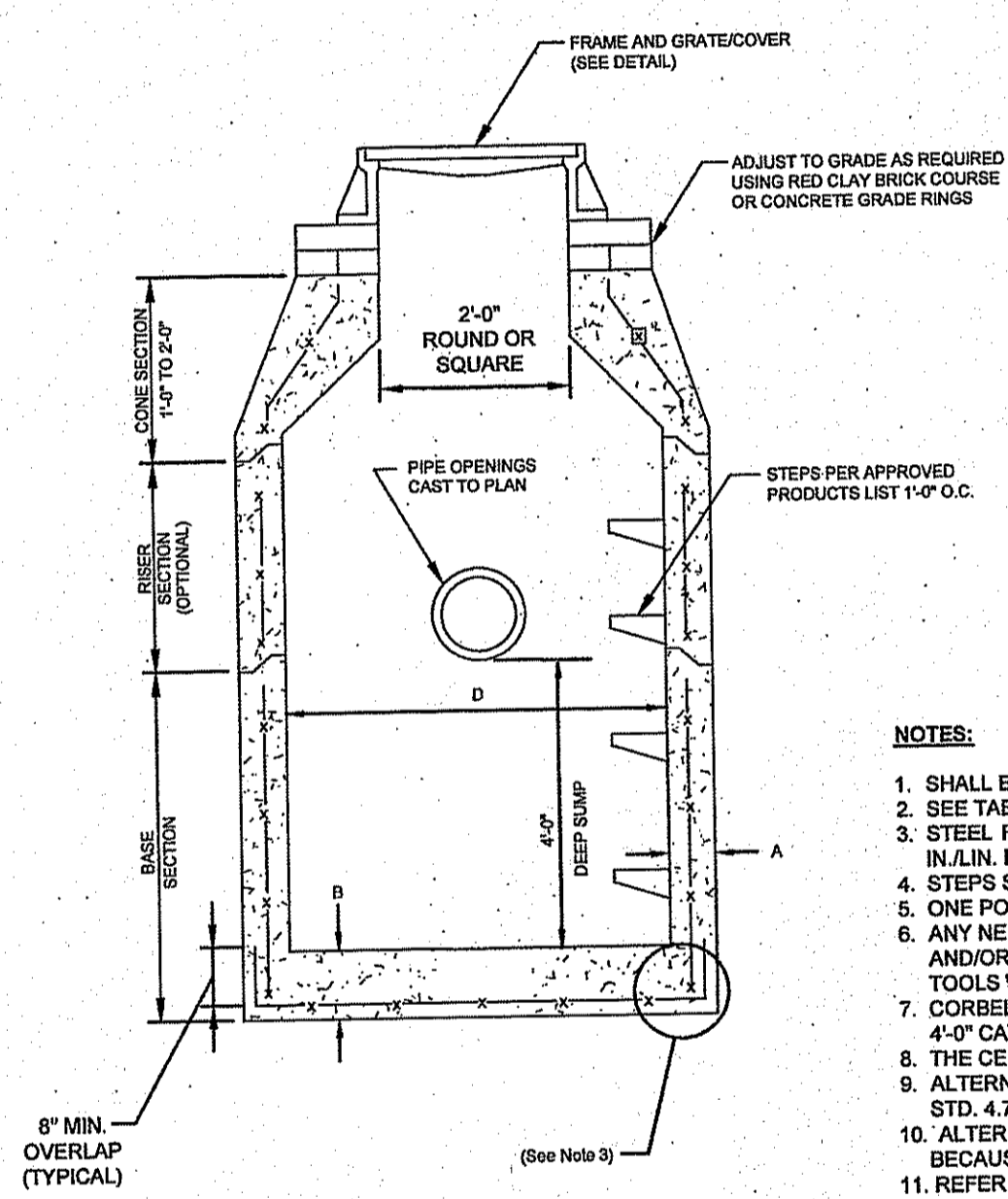
Signature: D. Senecal

- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
 - EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 - CIRCULAR CURB IS REQUIRED ON CURVES WITH RADIUS OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
 - EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

PRECAST CONCRETE CURB (RIDOT STD 7.1.0)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



PROTECTION BOLLARD
SCALE: NOT TO SCALE

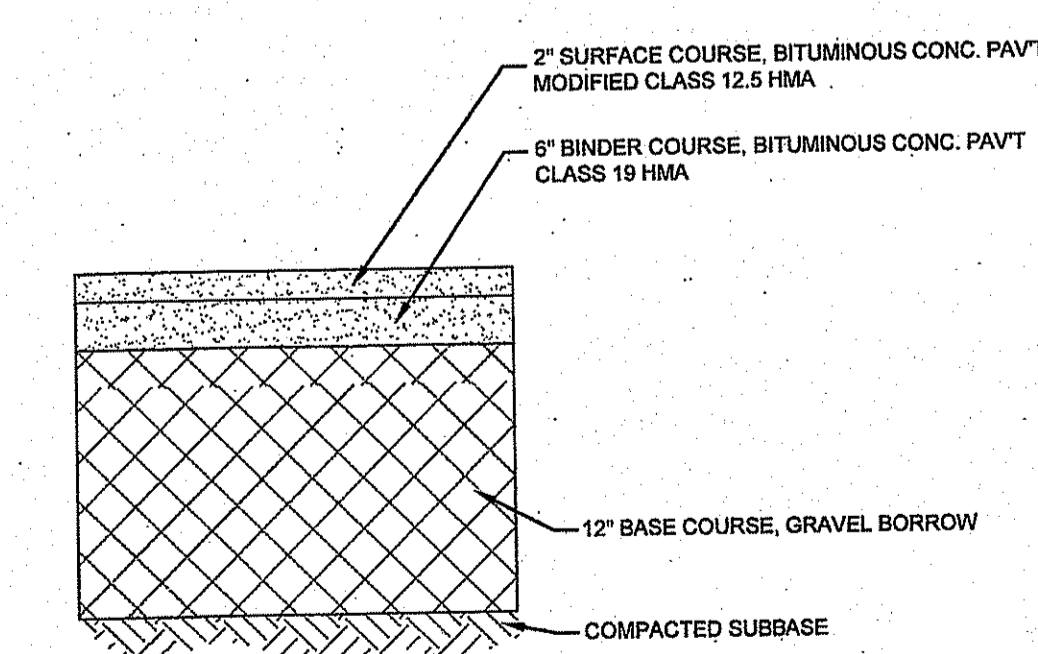


CATCH BASIN DIAMETER (D)	A'	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	6"	6"	0.12 SQ. IN./LN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LN. FT.
8'-0"	8"	8"	REFER TO MANUFACTURER

*FOR LONGITUDINAL VERTICAL STANDING REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

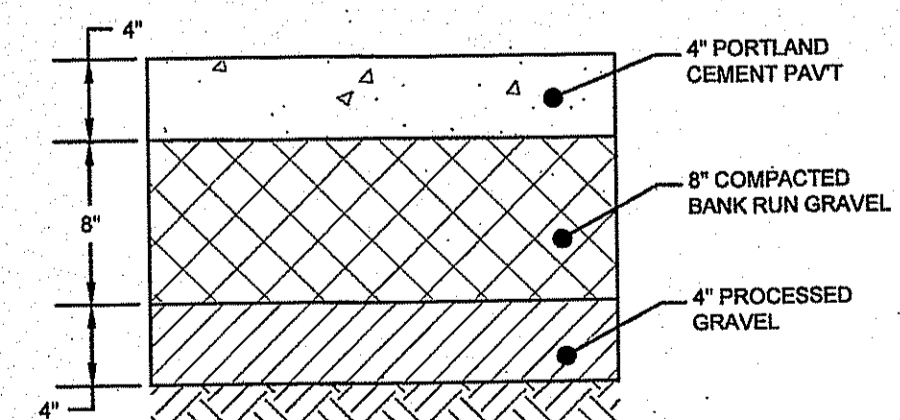
- NOTES:**
- SHALL BE ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATION.
 - SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
 - STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LN. FT. (BOTH WAYS).
 - STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 - ONE FOUR 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.
 - CORBEL 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.

PRECAST ROUND CATCH BASIN & DRAIN MANHOLE (RIDOT 4.4.0)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



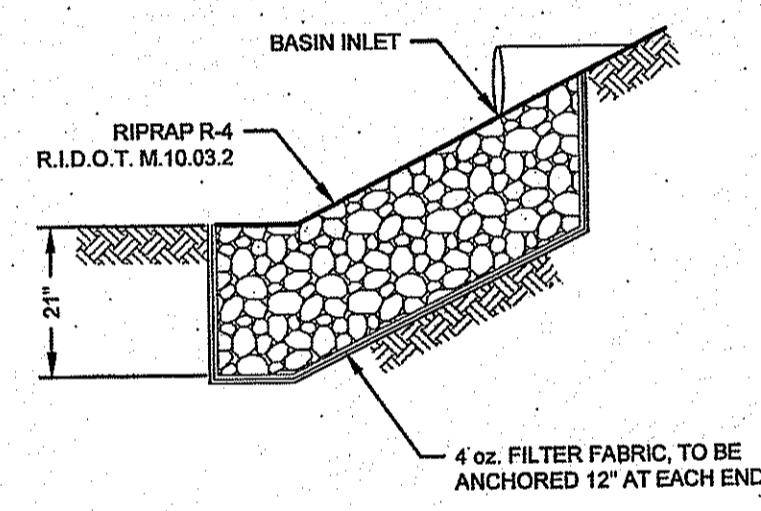
NOTE: THIS PAVEMENT SECTION IS APPLICABLE ONLY TO WORK PERFORMED WITHIN THE RIDOT RIGHT OF WAY.

TYPICAL BITUMINOUS PAVEMENT SECTION
SCALE: NOT TO SCALE

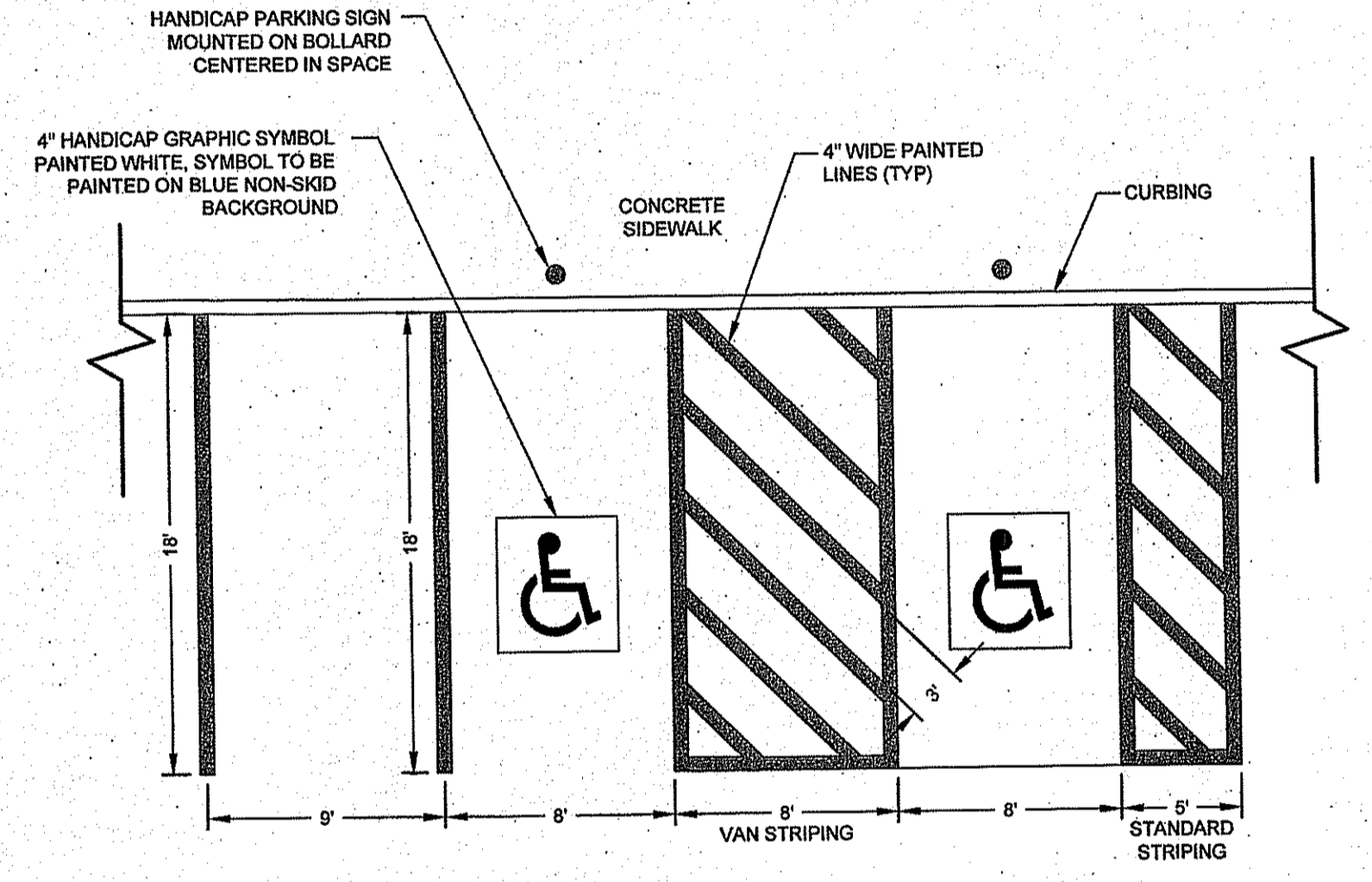


NOTE: FOR SIDEWALK WIDTH, SEE SITE PLAN

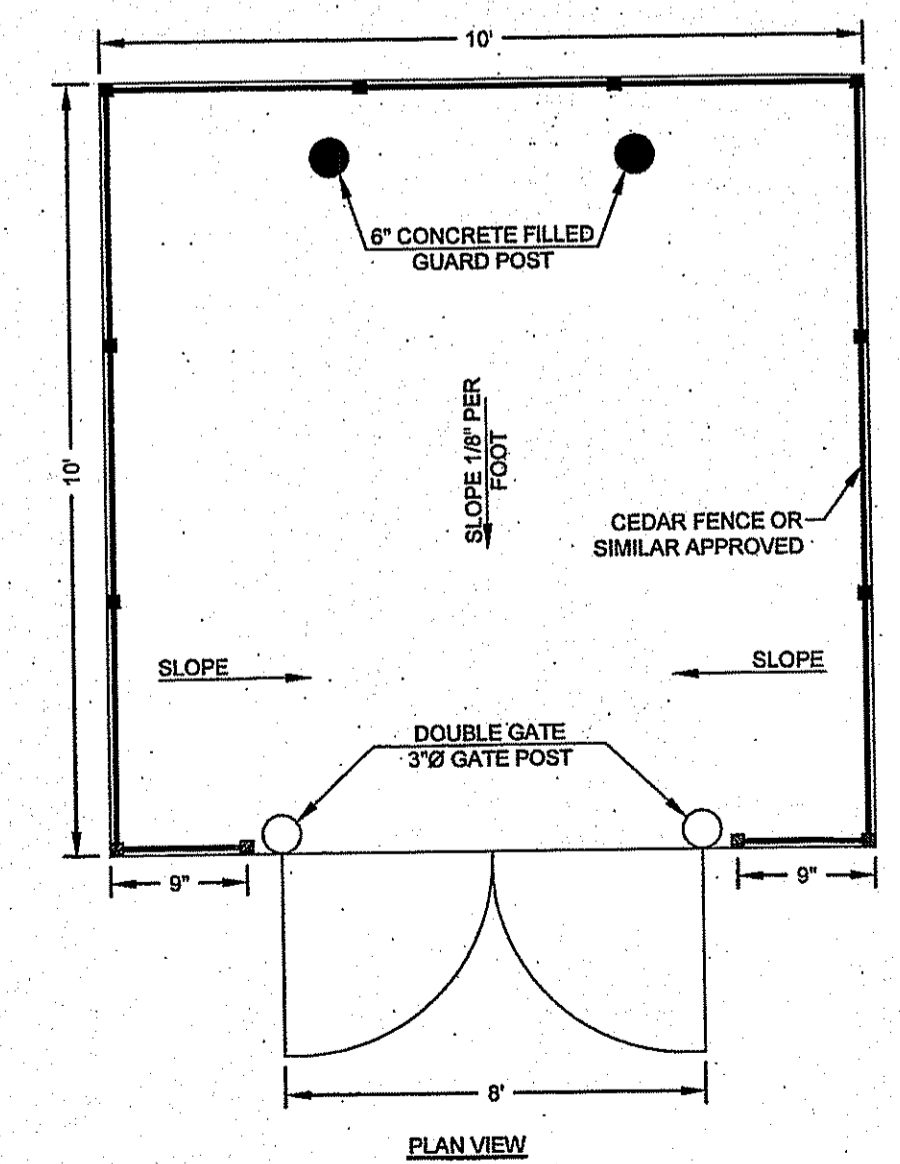
TYPICAL CONCRETE WALKWAY
SCALE: NOT TO SCALE



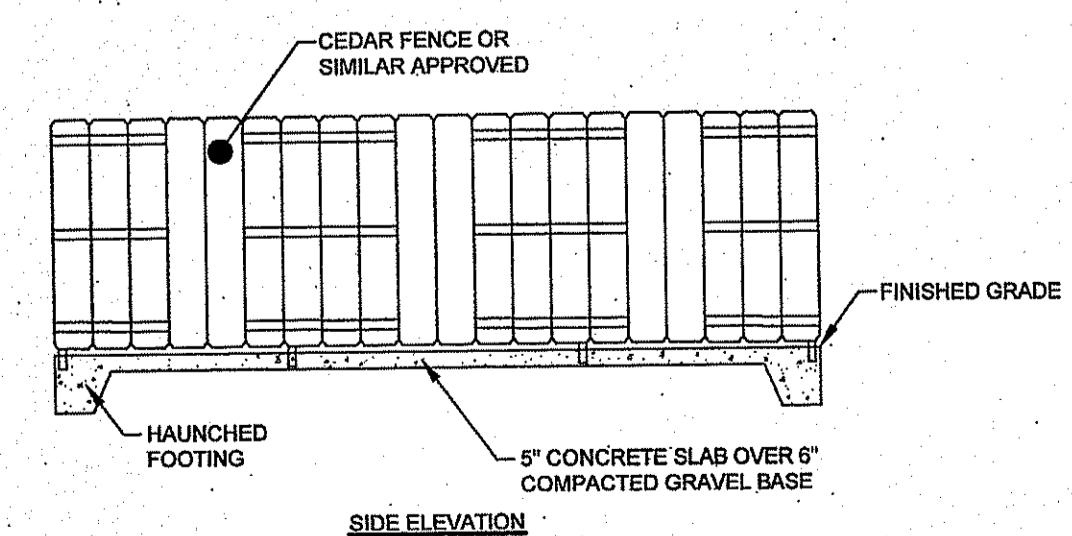
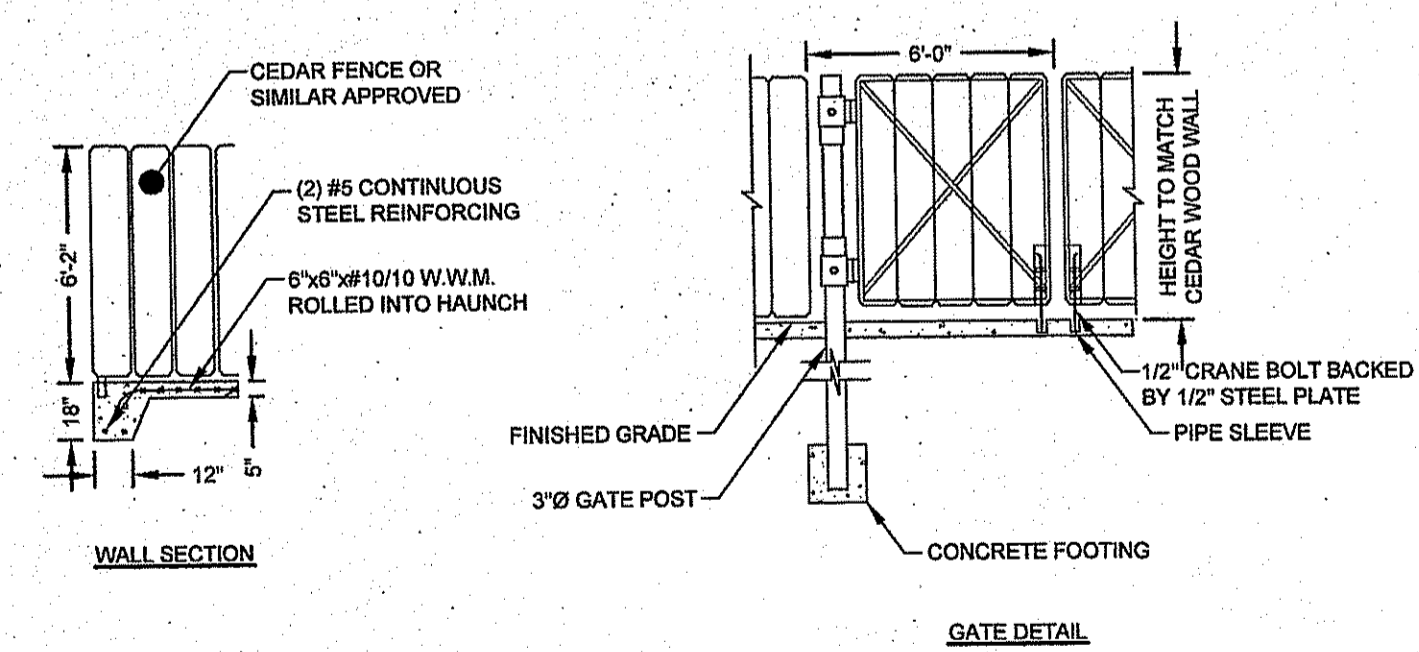
TYPICAL BASIN INLET
SCALE: NOT TO SCALE



PARKING STALL STRIPING
SCALE: NOT TO SCALE



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



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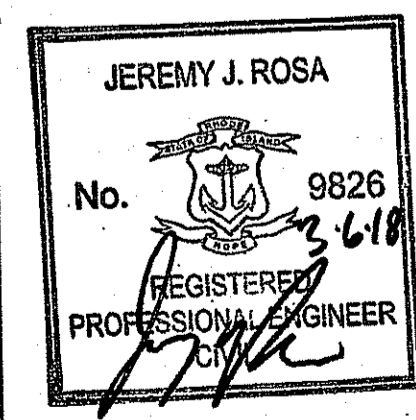
Designed By: AS SHOWN Drawn by: JJR Checked by: GES
Scale: AS SHOWN Date: 27SEP17

PATRIOT PETROLEUM
A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
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Client/Owner:
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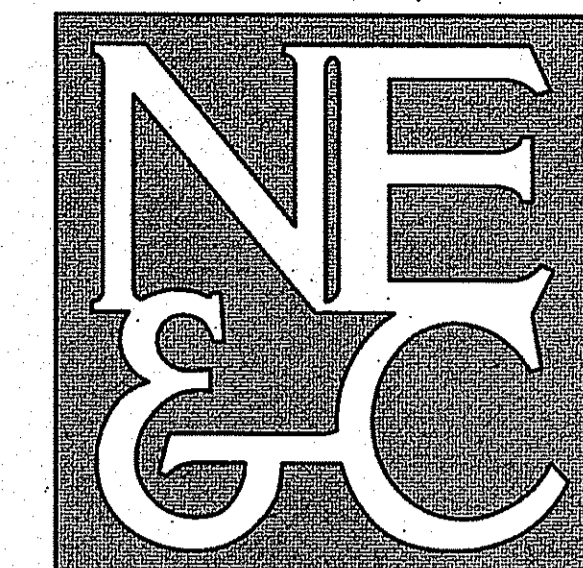
Issued for:
PERMITTING

DETAIL SHEET 2



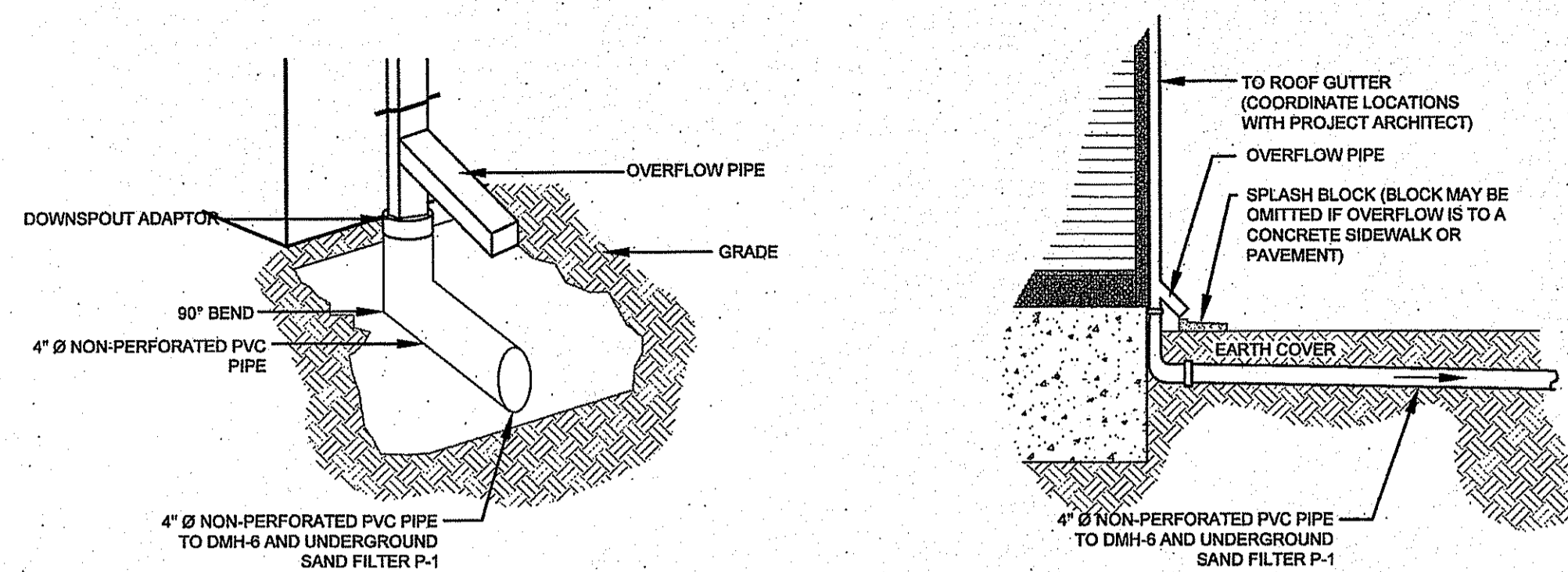
Drawing Number:
C-8
Sheet 8 of 10
Project Number:
17132.0
Survey Index:
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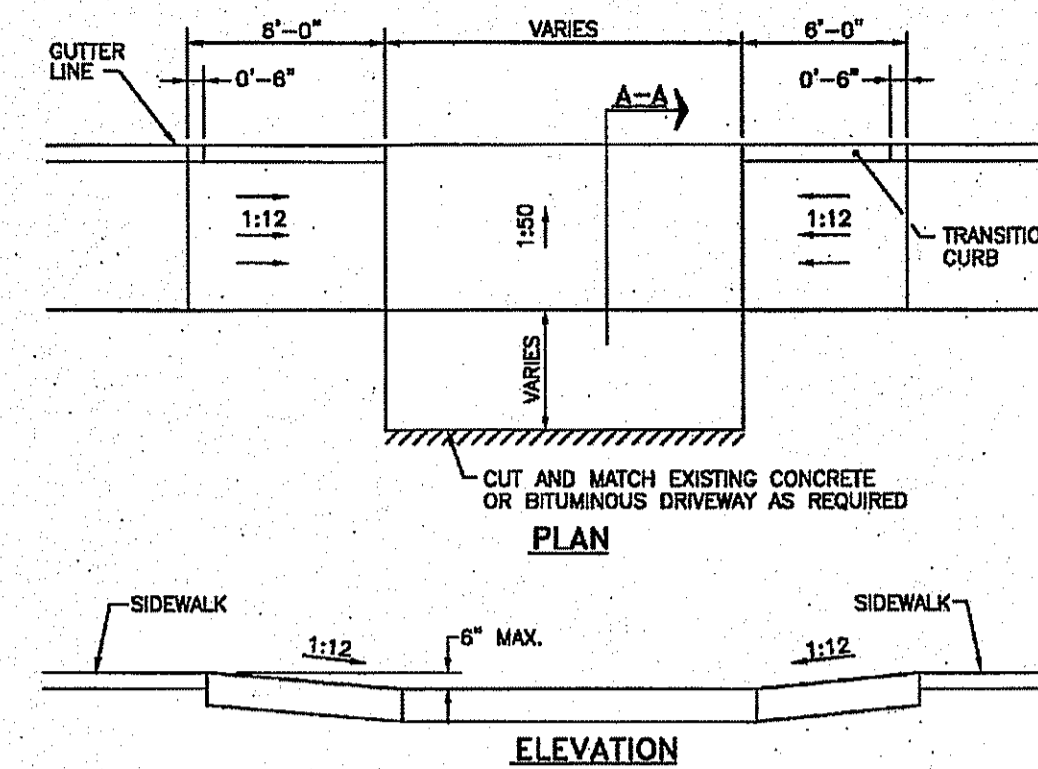


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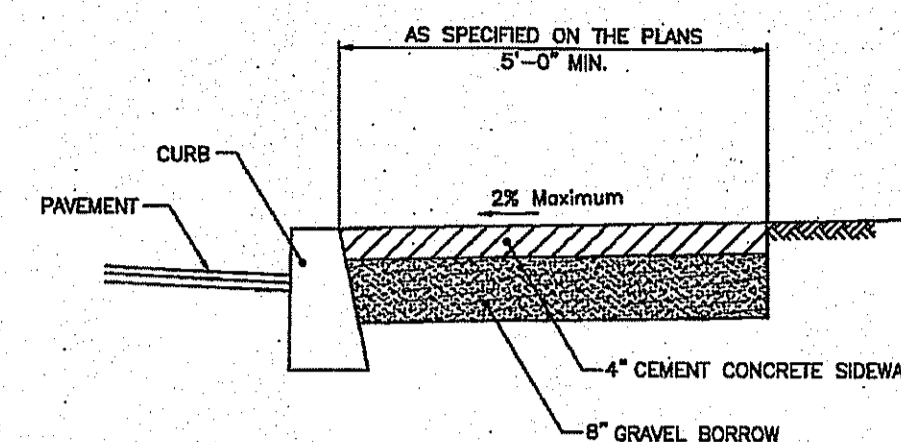
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GAS STATION ROOF DOWNSPOUT DETAILS
SCALE: NOT TO SCALE

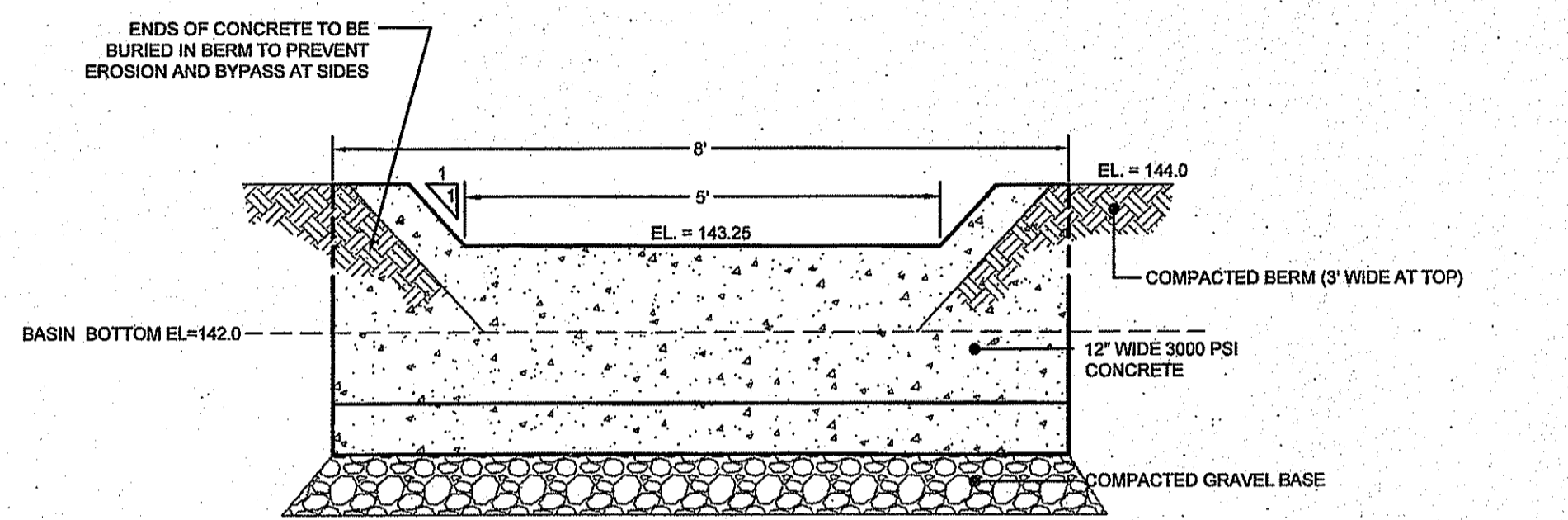


DRIVEWAY DEVELOPMENT FOR 6' TRANSITION CURB (RIDOT 43.4.1)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION

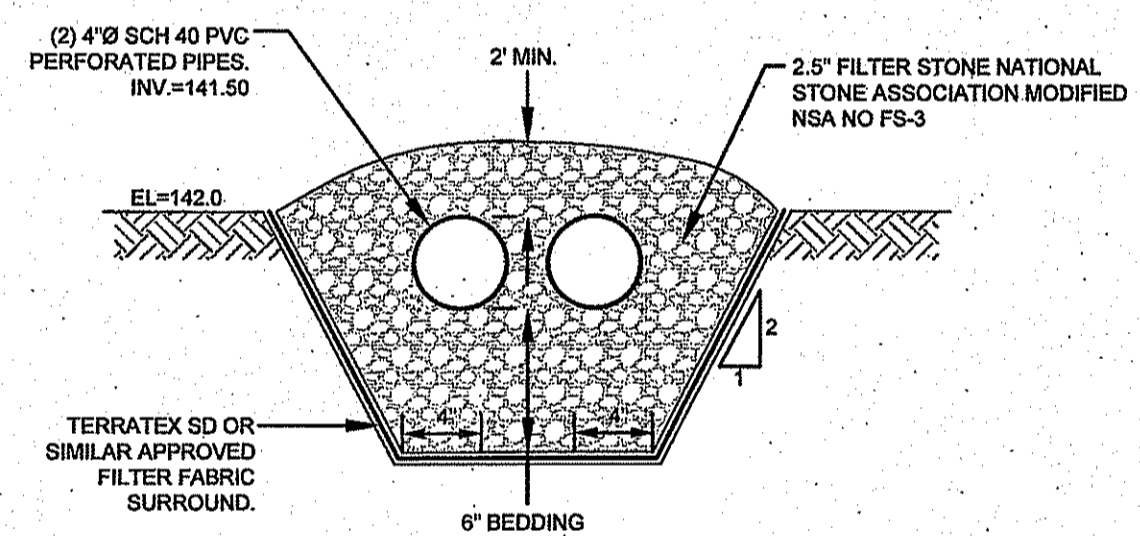


CEMENT CONCRETE SIDEWALK (RIDOT 43.1.0)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION

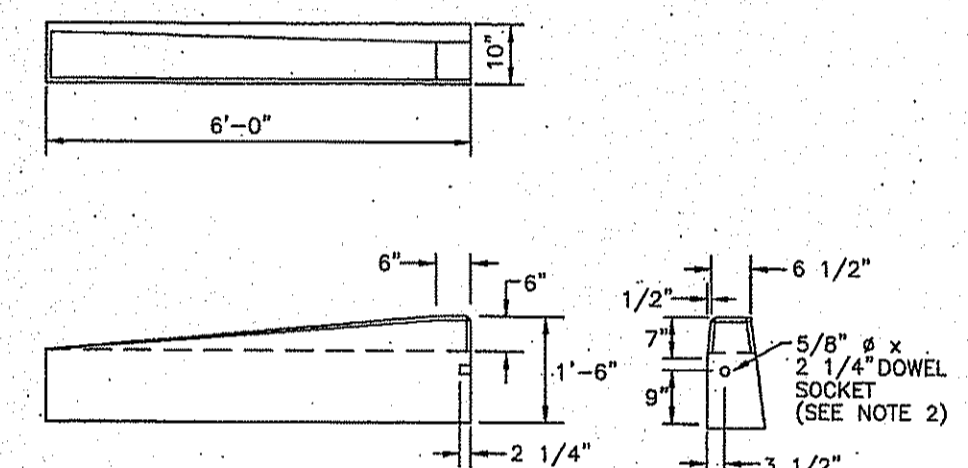
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



DETENTION BASIN OUTLET WEIR DETAIL
SCALE: NOT TO SCALE

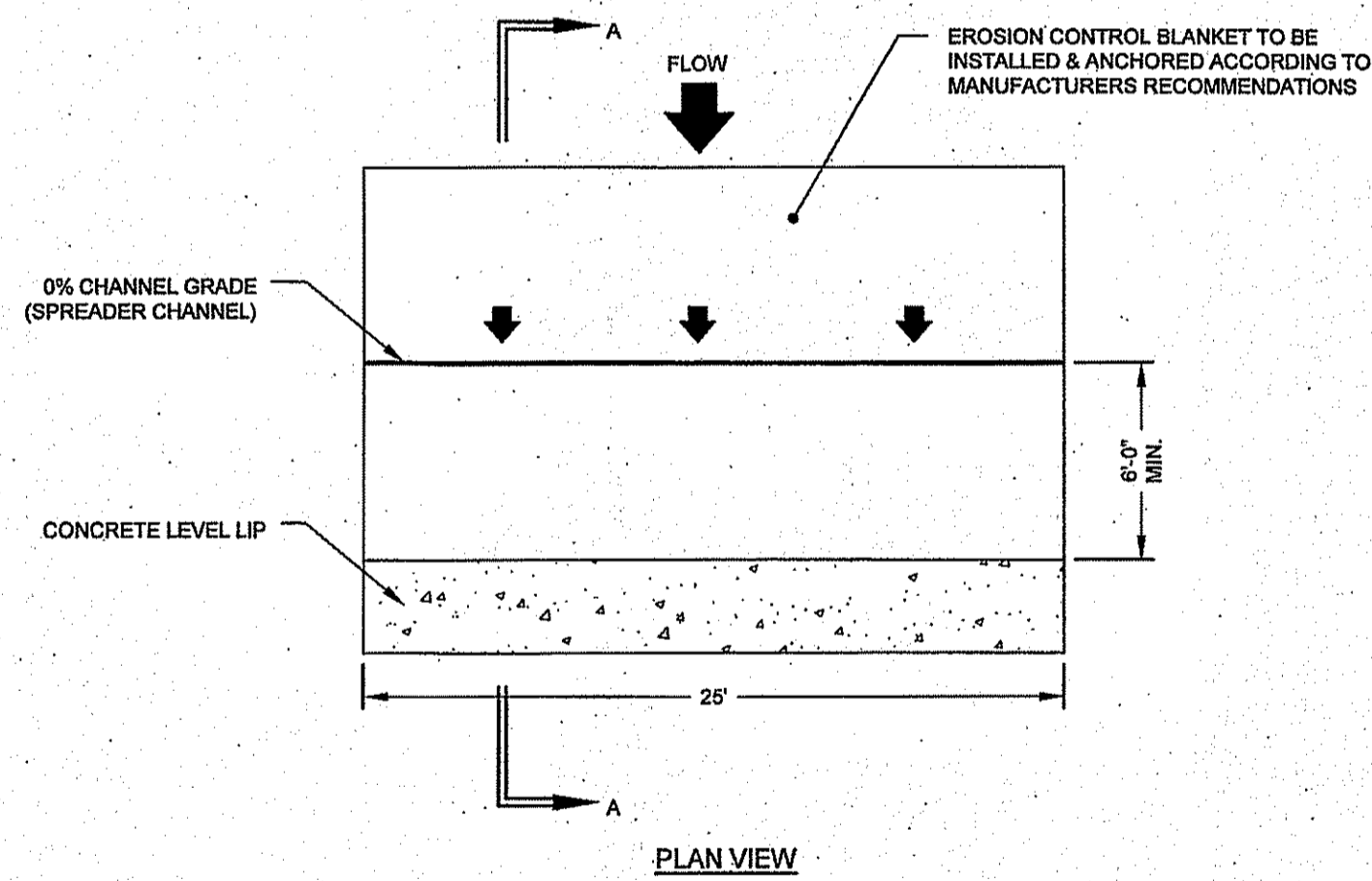


DETENTION BASIN TRENCH DRAIN CROSS SECTION
SCALE: NOT TO SCALE

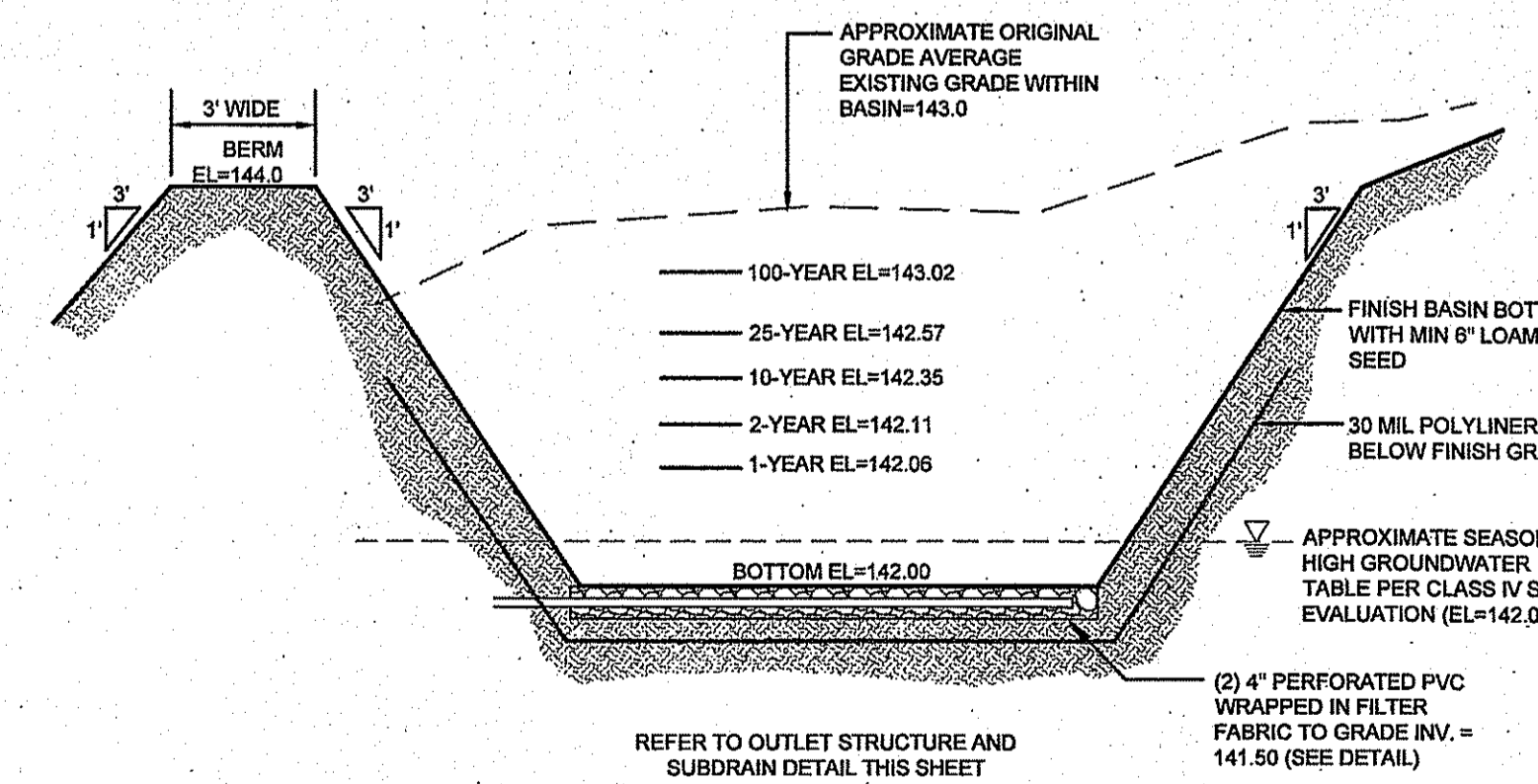


6' PRECAST CONCRETE TRANSITION CURB (RIDOT 7.1.2)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION

- LEVEL SPREADER 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% 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 LIP.

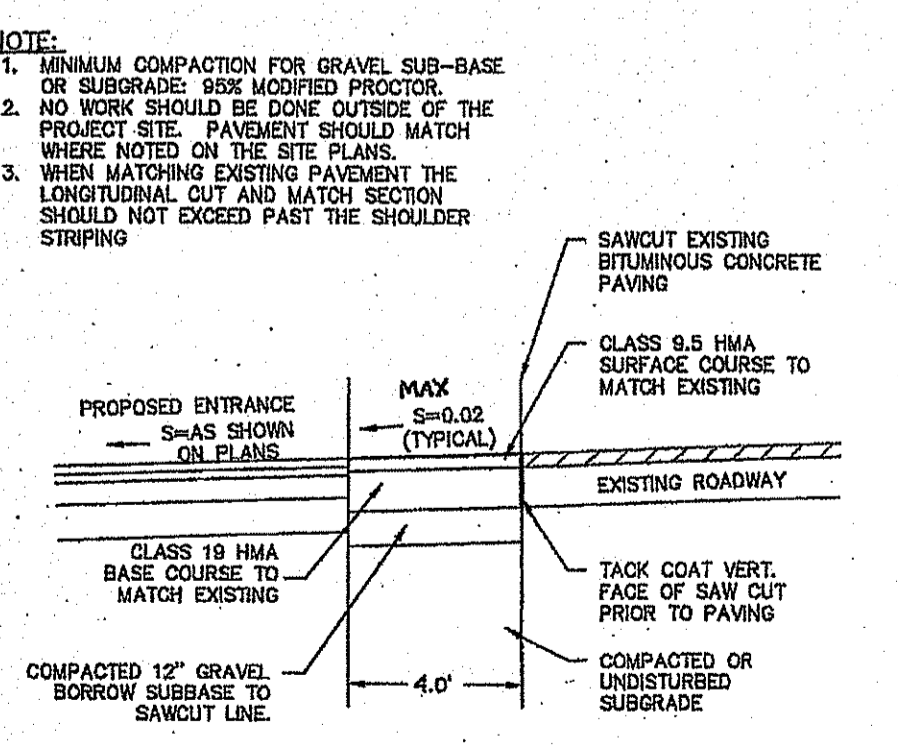


LEVEL SPREADER DETAIL
SCALE: NOT TO SCALE



DETENTION BASIN SECTION
SCALE: NOT TO SCALE

- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION, FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2\"/>
 - 3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 - 4. EXPOSED EDGES TO HAVE A 3/4\"/>



ENTRANCE ACCESS SAWCUT & MATCH DETAIL
AQUIDNECK AVENUE ENTRANCE ONLY
SCALE: NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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Jonathan D. Wenczek

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1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	

Designed By: _____ Drawn by: JJR Checked by: GES
Scale: AS SHOWN Date: 27SEP17

Project Title:
PATRIOT PETROLEUM
A.P. 113, LOTS 190,191,192,193,195 & 197
1225 AQUIDNECK AVENUE AND
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MIDDLETOWN, RHODE ISLAND

Client/Owner: **BENZINE DEVELOPMENT, LLC**
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

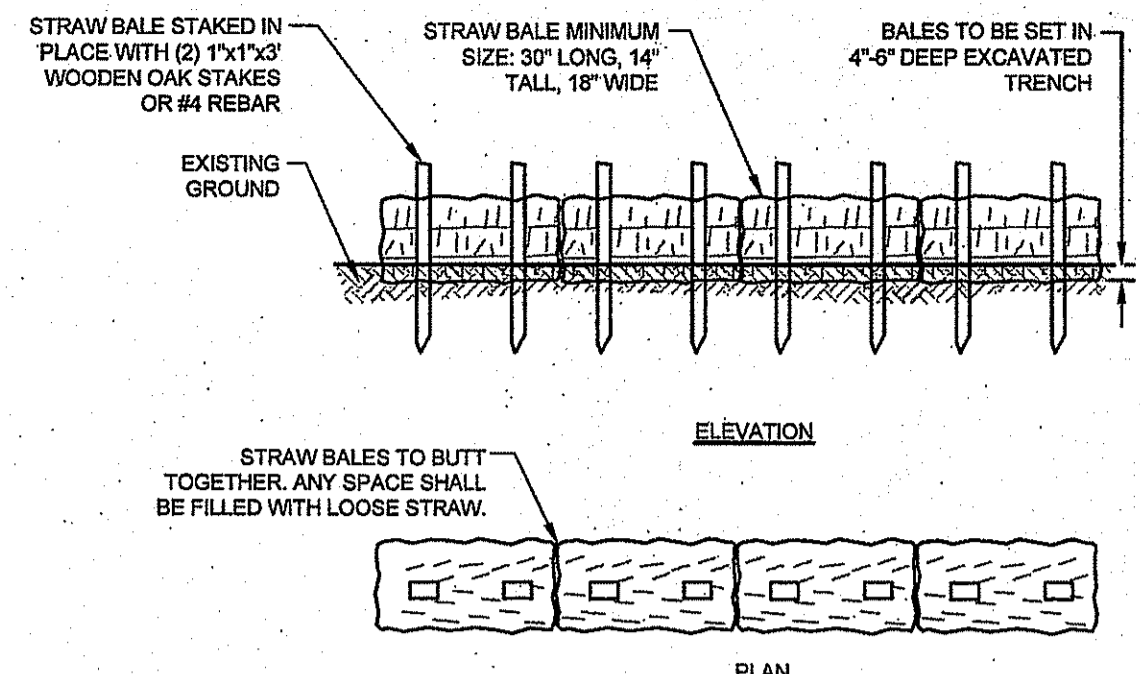
Issued for: **PERMITTING**

Drawing Title:

DETAIL SHEET 3

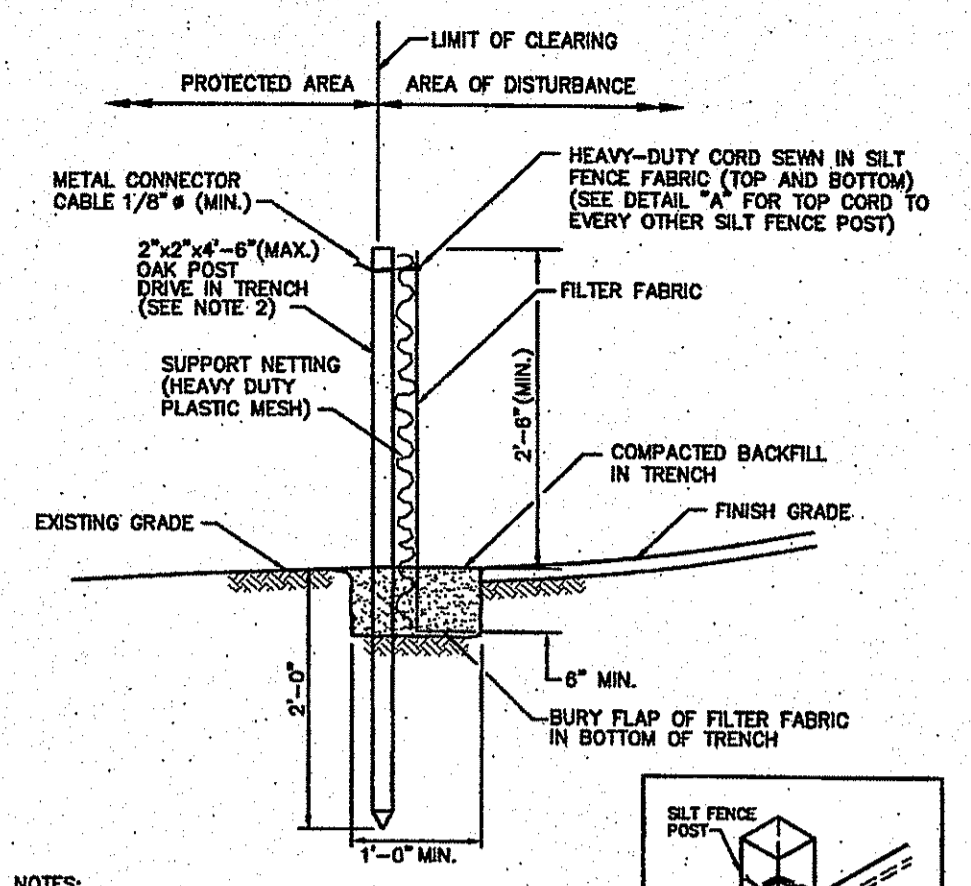
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	Sheet	9 of 10
	Project Number:	17132.0
	Survey Index:	13 - 113 - 190, 191

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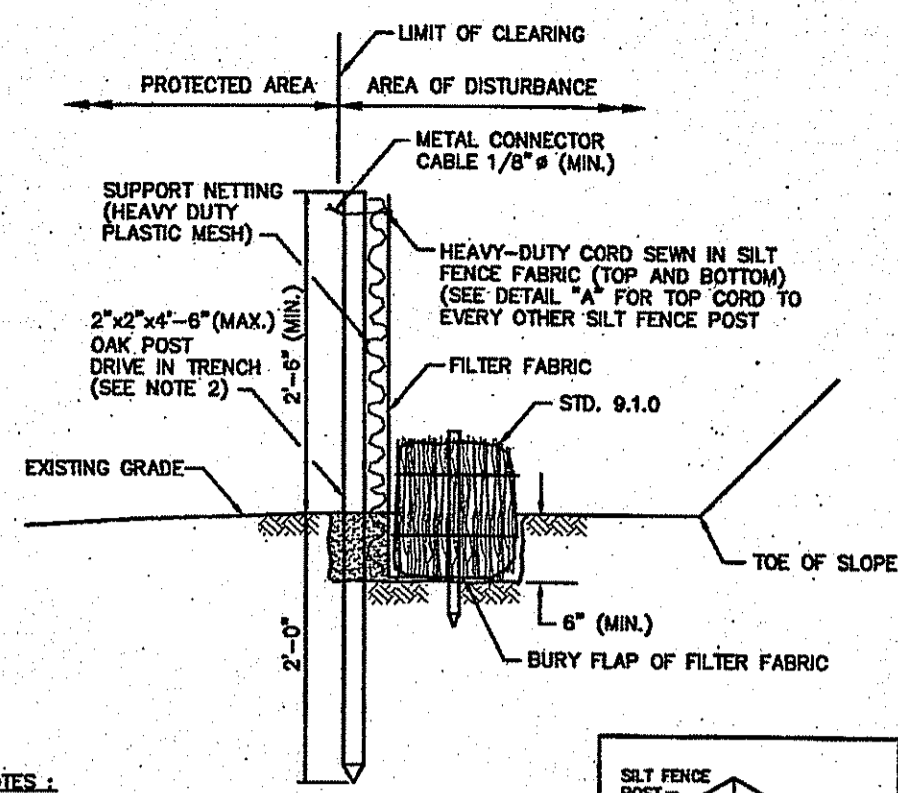
- NOTES:**
1. BALE WEIGHT SHALL NOT BE LESS THAN 50 LBS AND SHALL BE BOUND WITH NO LESS THAN TWO STRINGS OR WIRES CONTAINING A MINIMUM OF FIVE (5) CUBIC FEET OF MATERIAL. MINIMUM DIMENSIONS SHOWN IN DETAIL.
 2. STRAW BALES SHALL BE CERTIFIED AS BEING NOXIOUS WEEED-FREE BALES. TO BE "CERTIFIED" MEANS 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, COMPACTED, AND STABILIZED.

BALED STRAW EROSION CONTROL BARRIER
SCALE: NOT TO SCALE



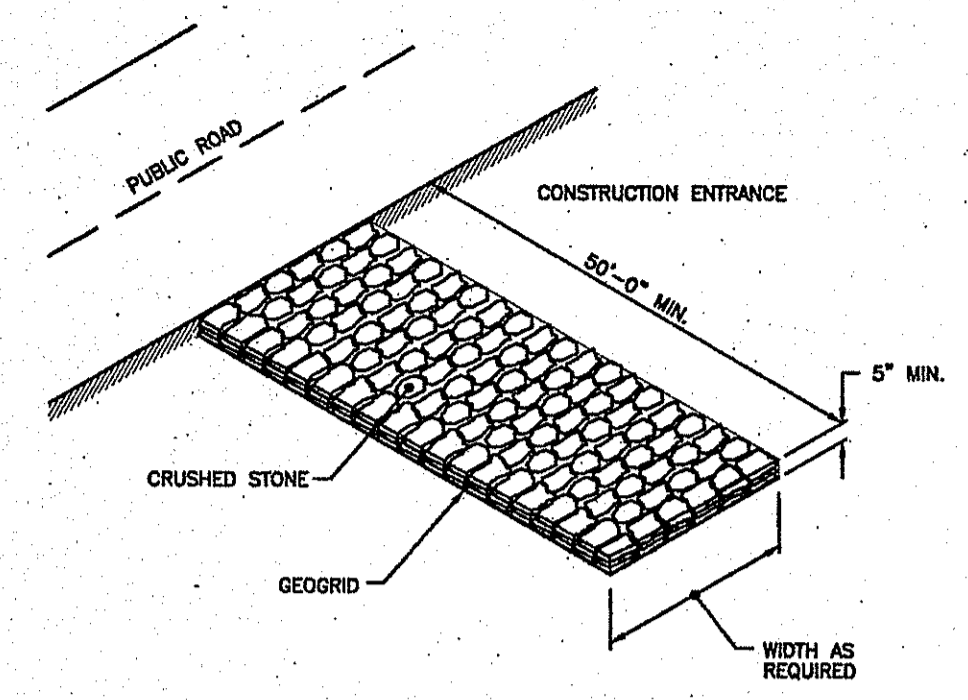
- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE R.I. STANDARD SPECIFICATIONS.
 2. 2"x2"x4"-6" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAFFINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 3. 1"x1"x4"-6" (MIN.) POSTS 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



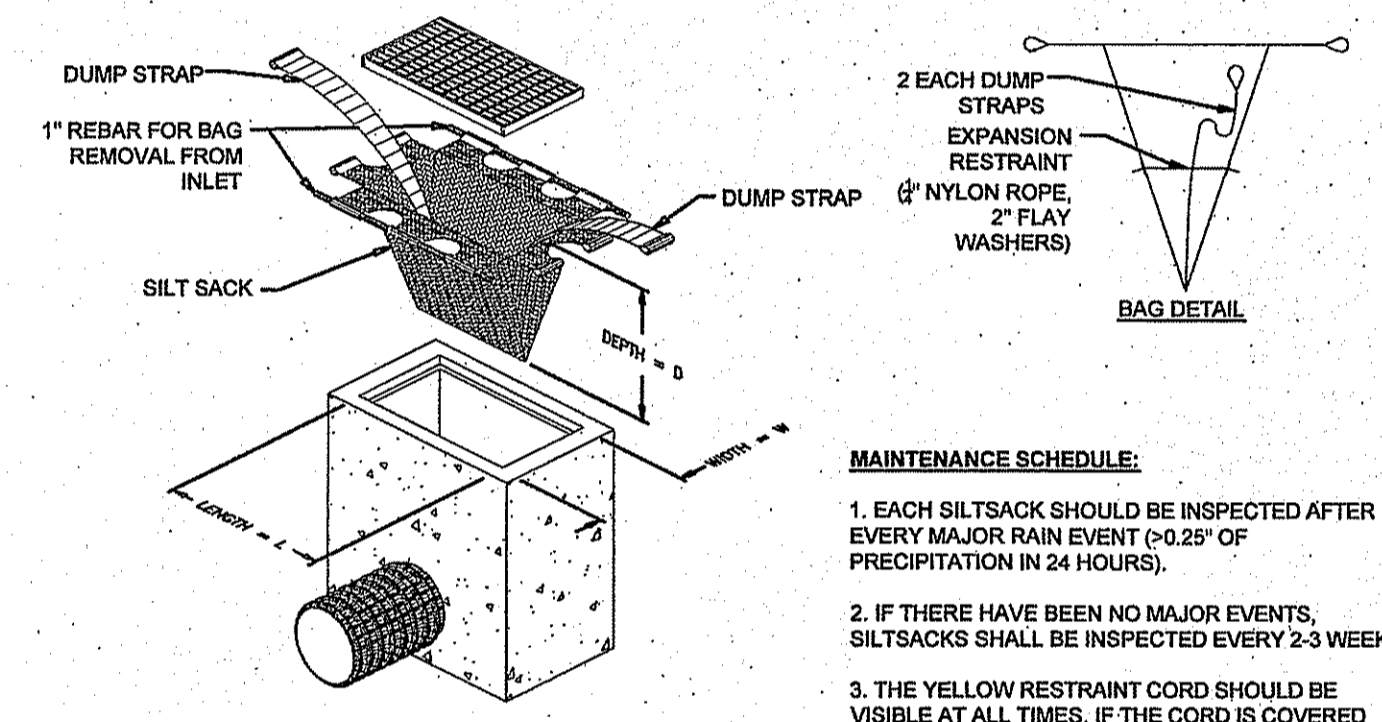
- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE R.I. STANDARD SPECIFICATIONS.
 2. STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SLIT. STD. 9.1.0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x2"x4"-6" (MAX.) OAK POST FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAFFINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 3. 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
 4. SILT FENCE AND BALED HAY 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
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



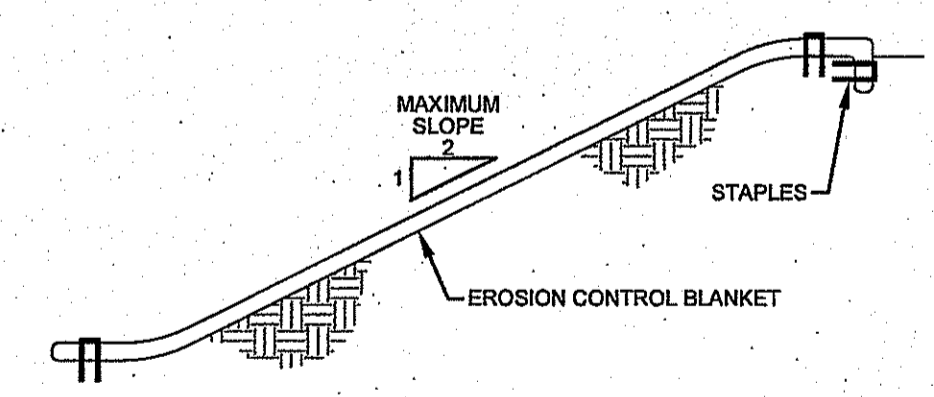
NOTE: SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

STONE CONSTRUCTION ACCESS (RIDOT 9.9.0)
SCALE: NOT TO SCALE
REFER TO WWW.DOT.RI.GOV FOR RIDOT STANDARD DETAIL FULL INFORMATION



- 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

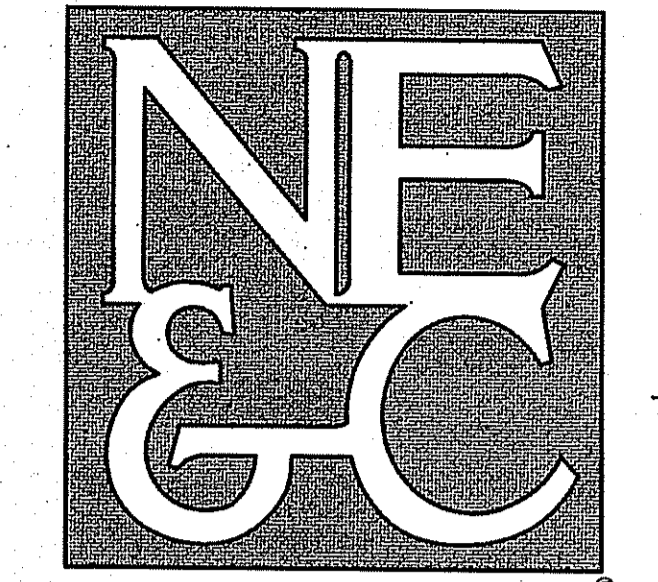


- NOTES:**
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
 4. THE EDGES OF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

EROSION CONTROL BLANKET
SCALE: NOT TO SCALE

Kindly be advised that this Permit is not equivalent to a verification of the type or amount of freshwater wetlands on site.

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A KNOWLEDGE CORPORATION®

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GEOTECHNICAL
ENVIRONMENTAL
TRANSPORTATION
STRUCTURAL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 30 2018 FILE # 17-0302
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Matthew D. Wemck

3	RIDEM AND RIDOT REVISIONS	06MAR18	
2	RIDOT PAP SUBMISSION	06DEC17	
1	UPDATED PER ARCHITECTURAL PLAN	20NOV17	
No.	Revision	Date	App.
Designed By:	Drawn by: JRJ	Checked by: GES	
Scale:	AS SHOWN	Date:	27SEP17

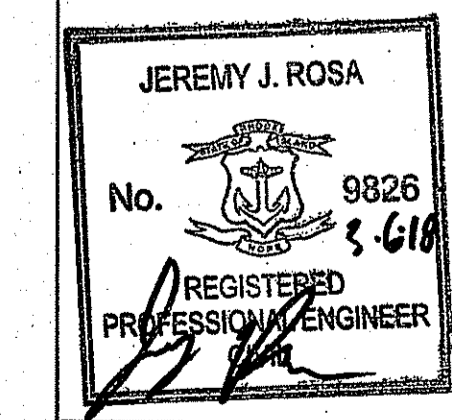
Project Title:
PATRIOT PETROLEUM
A.P. 113, LOTS 190, 191, 192, 193, 195 & 197
1225 AQUIDNECK AVENUE AND
533 EAST MAIN ROAD (RT. 138)
MIDDLETOWN, RHODE ISLAND

Client/Owner:
BENZINE DEVELOPMENT, LLC
3302 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Issued for:
PERMITTING

Drawing Title:
DETAIL SHEET 4

Drawing Number: C-10
Sheet 10 of 10
Project Number: 17132.0
Survey Index: 13 - 113 - 190, 191



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