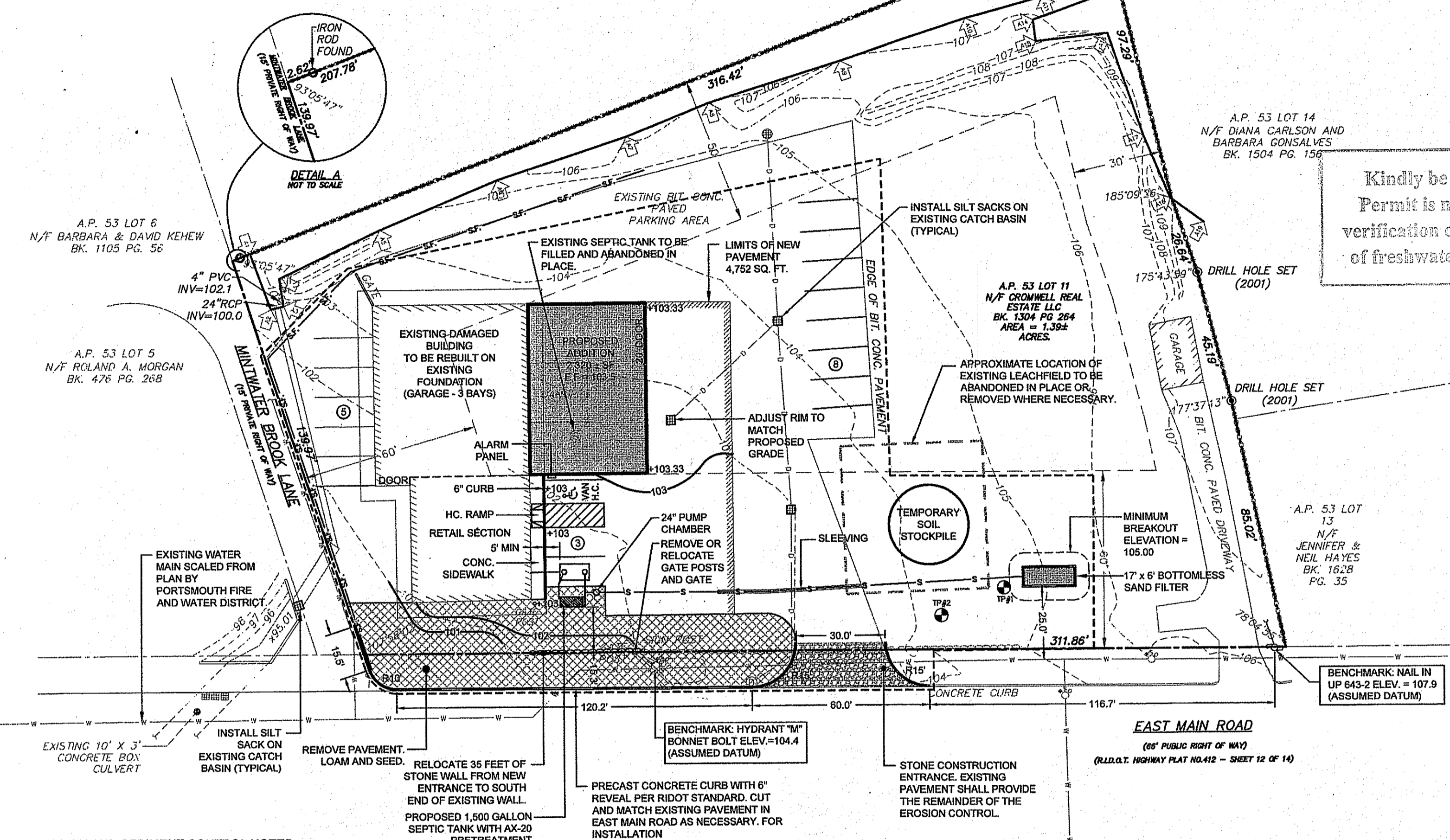


NORTH ARROW SCALED FROM TAX ASSESSORS MAP AND IS APPROXIMATE



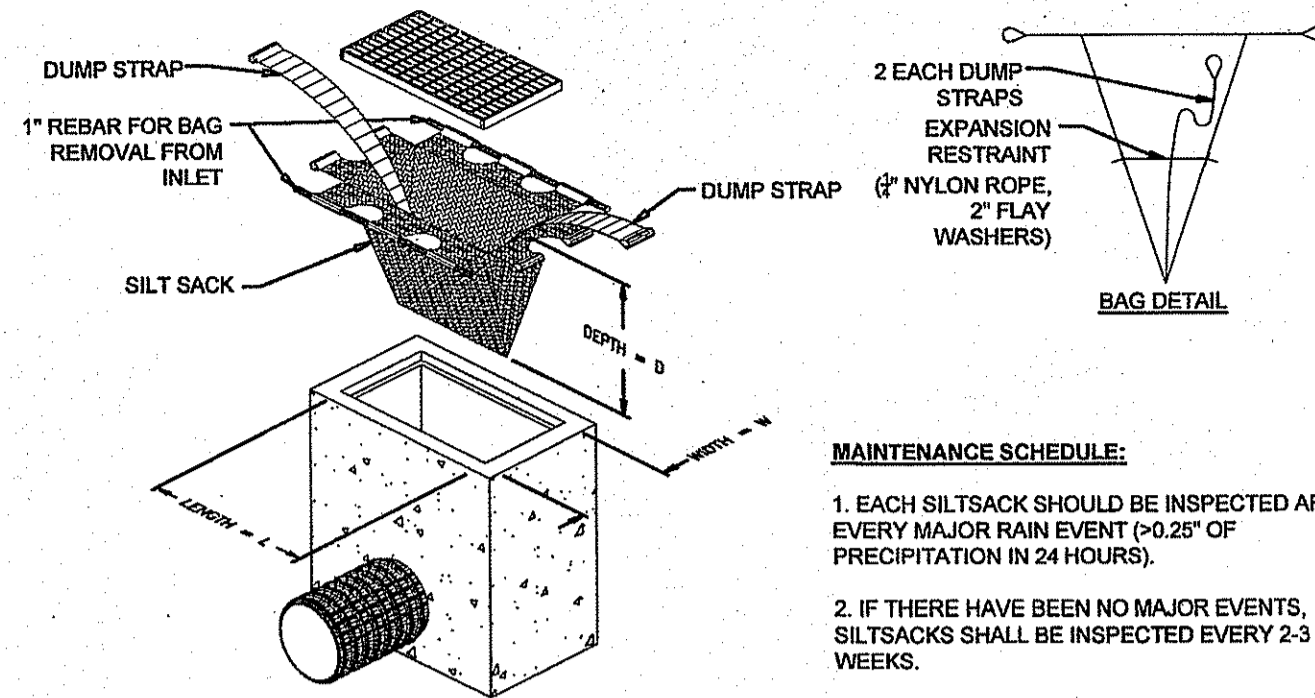
SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. CONSTRUCTION SEQUENCE: A. DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. B. CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCE SHOWN ON THE PLAN... C. INSTALL SILT FENCES, SILT SACKS, CHECK DAMS AND/OR STRAW BALES AS INDICATED ON THE DRAWINGS TO CONTROL EROSION... D. REMOVE TREES ONLY WHERE NECESSARY. ALL STUMPS TO BE GROUND OR DISPOSED OF OFF SITE... E. REMOVE PORTIONS OF PAVEMENT SHOWN. GRIND AND DISPOSE OF OFF-SITE... F. CONSTRUCT ADDITION AND RENOVATE EXISTING STRUCTURE... G. CONSTRUCT SEPTIC SYSTEM PER APPROVED OWTs PLANS... H. GRADE SURROUNDING UNPAVED AREAS... I. INSTALL BINDER AREAS AND COMPLETE LANDSCAPE AREAS... J. SWEEP SEDIMENTS AND INSTALL PLANTINGS... K. TOP PAVEMENT COURSE AND MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.

- 3. VEGETATIVE PRACTICE: PERMANENT MEASURES: A. SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 3 HORIZONTAL UNLESS OTHERWISE SPECIFIED. B. LOAM AND SEED REQUIREMENTS ARE SPECIFIED IN RIDOT L1 & L2. C. 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): D. LIMESTONE AND FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE: LIMESTONE: 3 TONS/ACRE FERTILIZER: (10-10-10): 600 LBS/ACRE E. 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. A. 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... B. EROSION CONTROL BLANKETS SHALL BE INSPECTED ON A WEEKLY BASIS. C. SILT SACKS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND / OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT... D. SEEDING AREAS WILL BE FERTILIZED AND RESEED AS NECESSARY TO INSURE ESTABLISHMENT OF A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER.

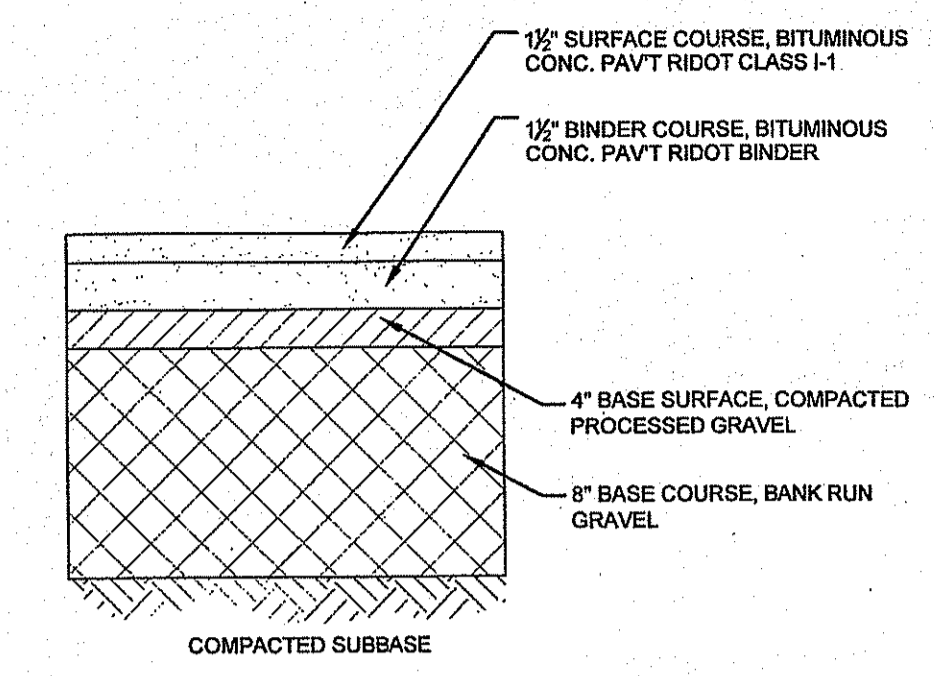
- GENERAL NOTES: 1. PROPERTY LINE AND EXISTING CONDITIONS ARE A RESULT OF A FIELD SURVEY BY NORTHEAST ENGINEERS & CONSULTANTS, INC. IN MARCH 2016. 2. NORTH ARROW SCALED FROM TAX ASSESSORS MAP AND SHOULD BE CONSIDERED APPROXIMATE. 3. BASE OF ELEVATIONS IS ASSUMED. 4. SUBJECT PARCEL LOCATED WITHIN THE INDUSTRIAL ZONING DISTRICT. 5. EDGE OF WETLAND FLAGGED BY KATHLEEN P. MANGAN IN MARCH OF 2016. 6. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA... 7. SOIL TYPES IN THIS VICINITY ARE 'NP' (NEWPORT) AND 'Ss' (STISSING) PER THE RI SOIL SURVEY. THESE SOILS ARE HYDROLOGIC GROUP 'C' AND 'D' RESPECTIVELY.

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

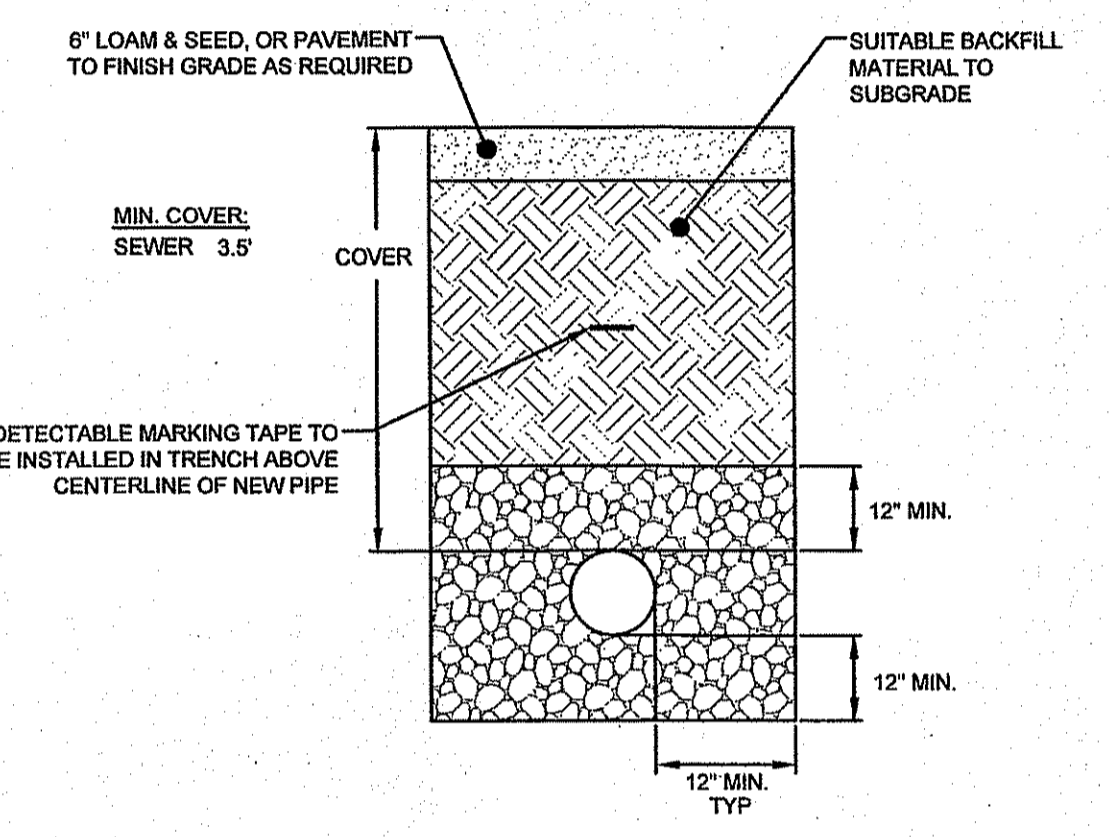


SILT SACK DETAIL SCALE: NOT TO SCALE

- MAINTENANCE SCHEDULE: 1. EACH SILT SACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT (>0.25" OF PRECIPITATION IN 24 HOURS). 2. IF THERE HAVE BEEN NO MAJOR EVENTS, SILT SACKS 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 SILT SACK SHOULD BE EMPTIED.

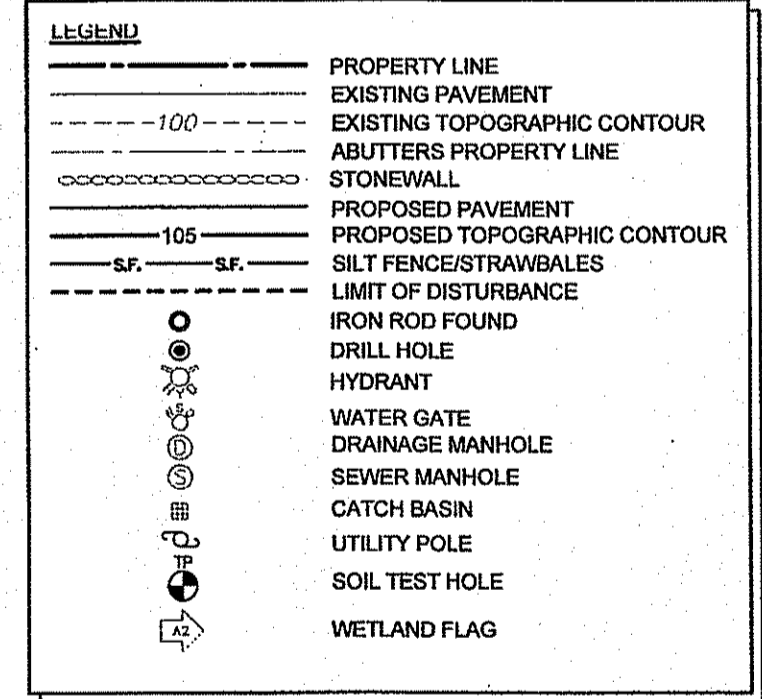


TYPICAL BITUMINOUS PAVEMENT SECTION SCALE: NOT TO SCALE



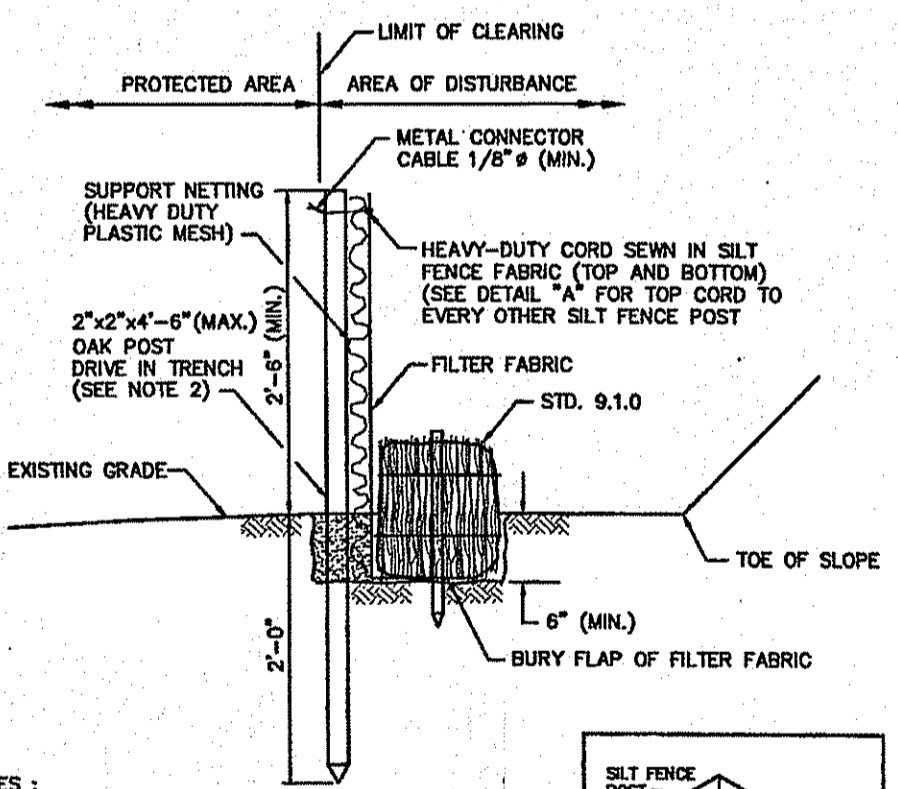
UTILITY TRENCH DETAIL SCALE: NOT TO SCALE

- TRENCH NOTES: 1. UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION. 2. TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS... 3. SEWER 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 SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F679. 6. BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12" IN HEIGHT... 7. SEWER PIPE TRENCHES SHALL BE BEDDED WITH CRUSHED STONE OR SCREENED GRAVEL... 8. WHEN TRENCH EXCAVATION IS ADJACENT TO OR UNDER EXISTING STRUCTURES OR FACILITIES...



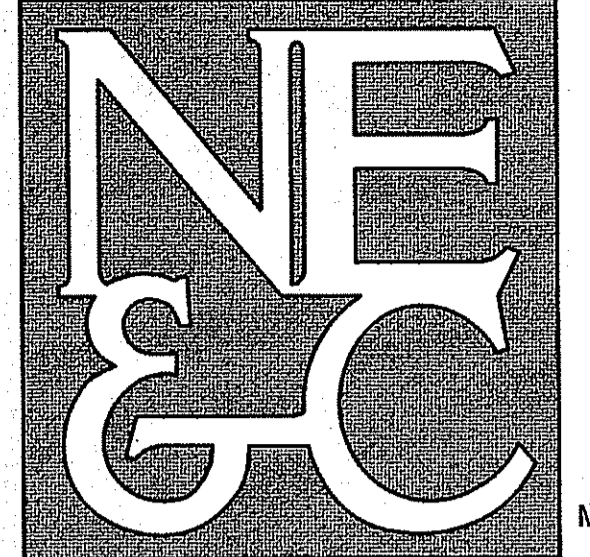
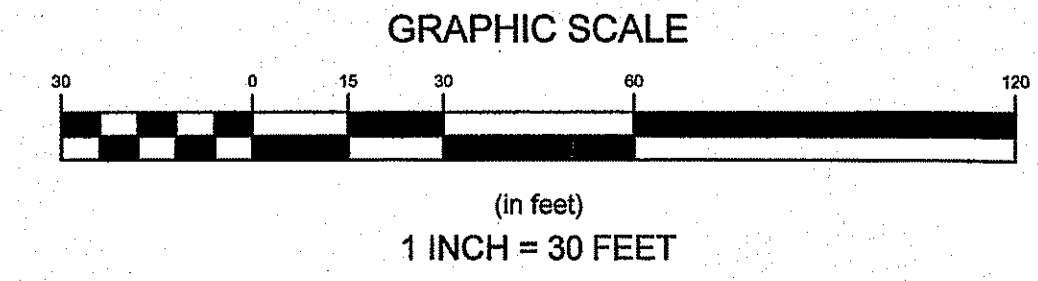
ZONING DATA: I-1 table with columns for MIN. LOT SIZE, REQ'D EXISTING PROPOSED, SETBACKS, LOT FRONTAGE, LOT COVERAGE.

PARKING CALCULATIONS table with columns for RETAIL / OFFICE, GARAGE AREA, REQ'D SPACES, PROPOSED.



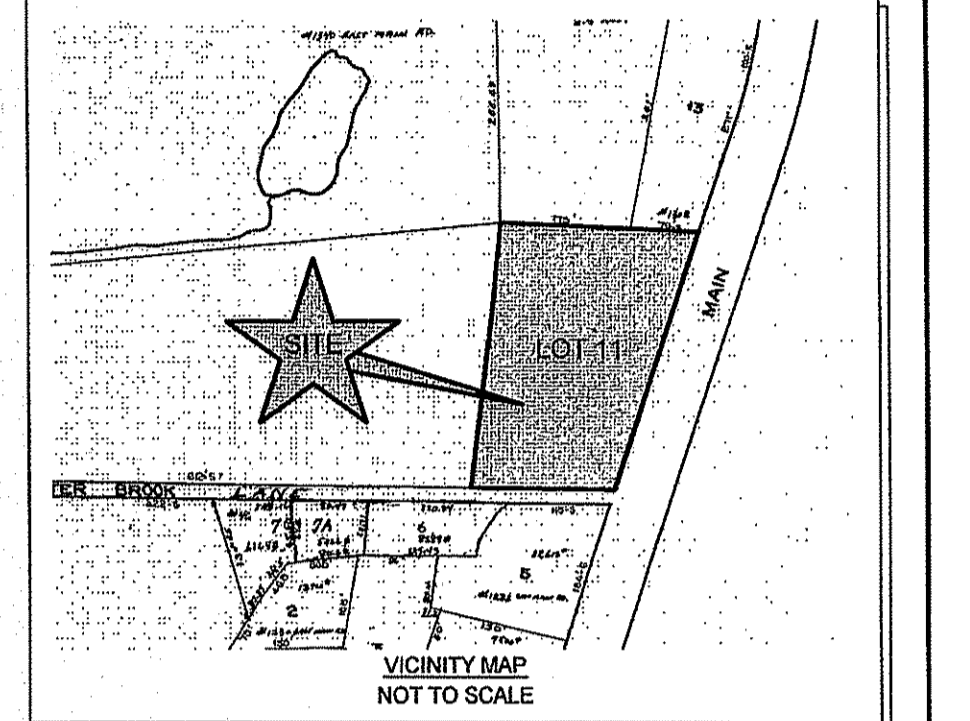
- NOTES: 1. SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE R.I. STANDARD SPECIFICATIONS. 2. STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE... 3. 1"x1/4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE. 4. SILT FENCE AND BALED HAY SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

BALED HAY EROSION CHECK AND SILT FENCE COMBINED (RIDOT 9.3.0) SCALE: NOT TO SCALE



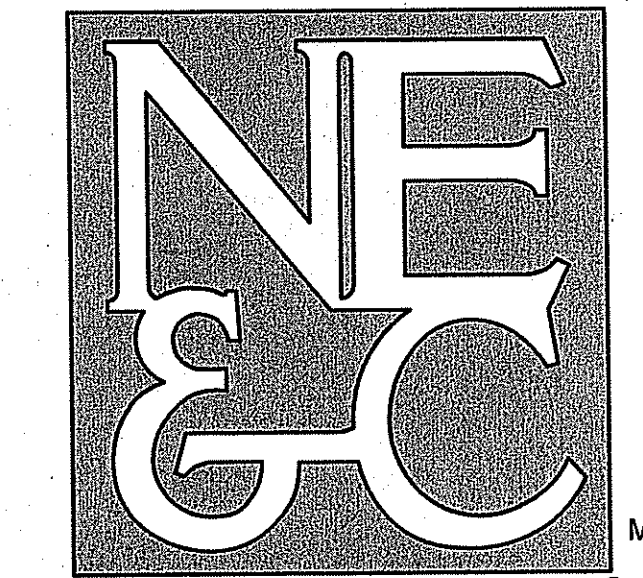
A KNOWLEDGE CORPORATION 55 JOHN CLARKE ROAD MIDDLETOWN RHODE ISLAND 02842 PHONE (401) 849-0810 FAX (401) 846-4169 WWW.NORTHEASTENGINEERS.COM

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



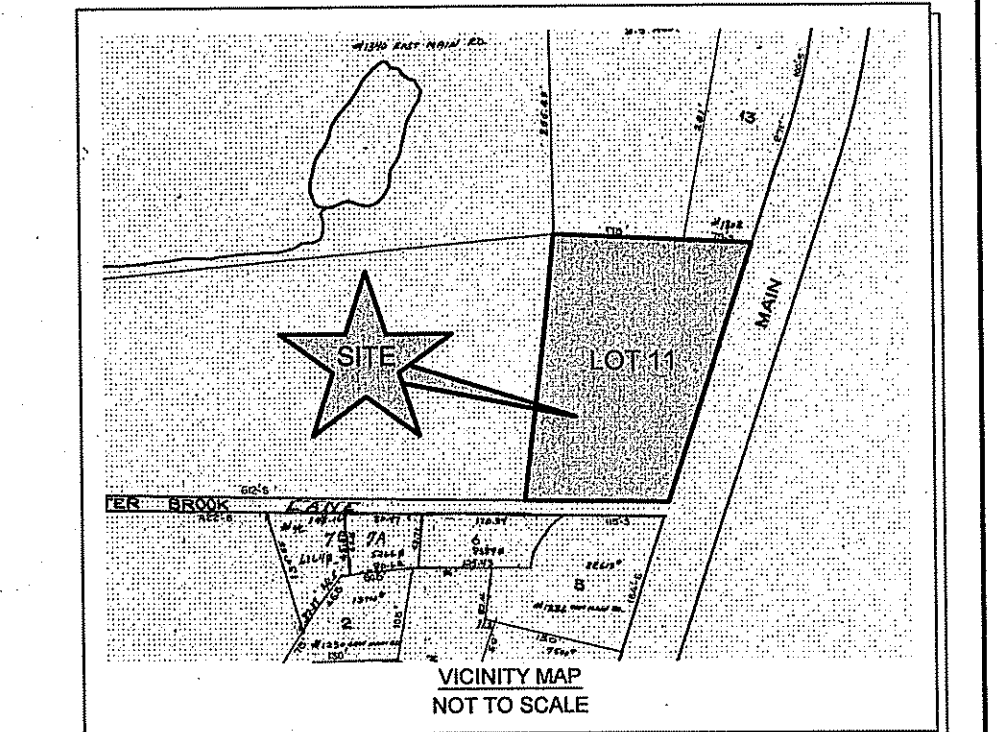
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED NOV 04 2016 FILE # 16-0139 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Project information block including: Project Title: A.P. 53 LOT 11 1250 EAST MAIN ROAD PORTSMOUTH, RHODE ISLAND; Client/Owner: MARITIME SOLUTIONS; Drawing Title: PROPOSED CONDITIONS; Drawing Number: PR-1; Sheet 1 of 1; Project Number: 16020.0; Survey Index: 12-53-11; Professional Engineer seal for Jeremy J. Rosa.



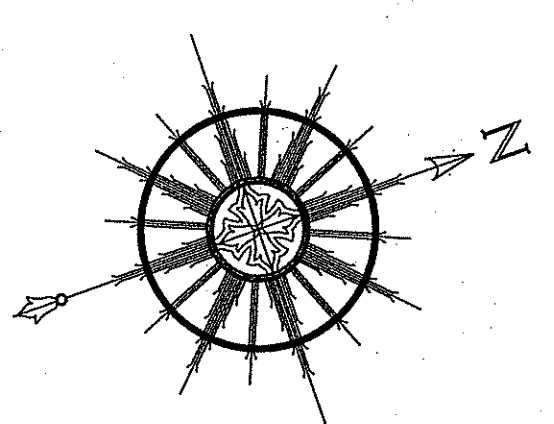
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 12 2016 FILE # 16-0139
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

No.	Revision	Date	App.
Designed By:	Drawn by:	DJW	Checked by:
Scale:	1" = 30'	Date:	MAY 24, 2016
Project Title:			
A.P. 53 LOT 11 1250 EAST MAIN ROAD PORTSMOUTH, RHODE ISLAND			
Client/Owner:			
MARITIME SOLUTIONS 1250 EAST MAIN ROAD PORTSMOUTH, RHODE ISLAND			
Issued for:			
Drawing Title:			
PROPOSED CONDITIONS			
Drawing Number:			
PR-1			
Sheet 1 of 2			
Project Number:			
16020.0			
Survey Index:			
12 - 53 - 11			
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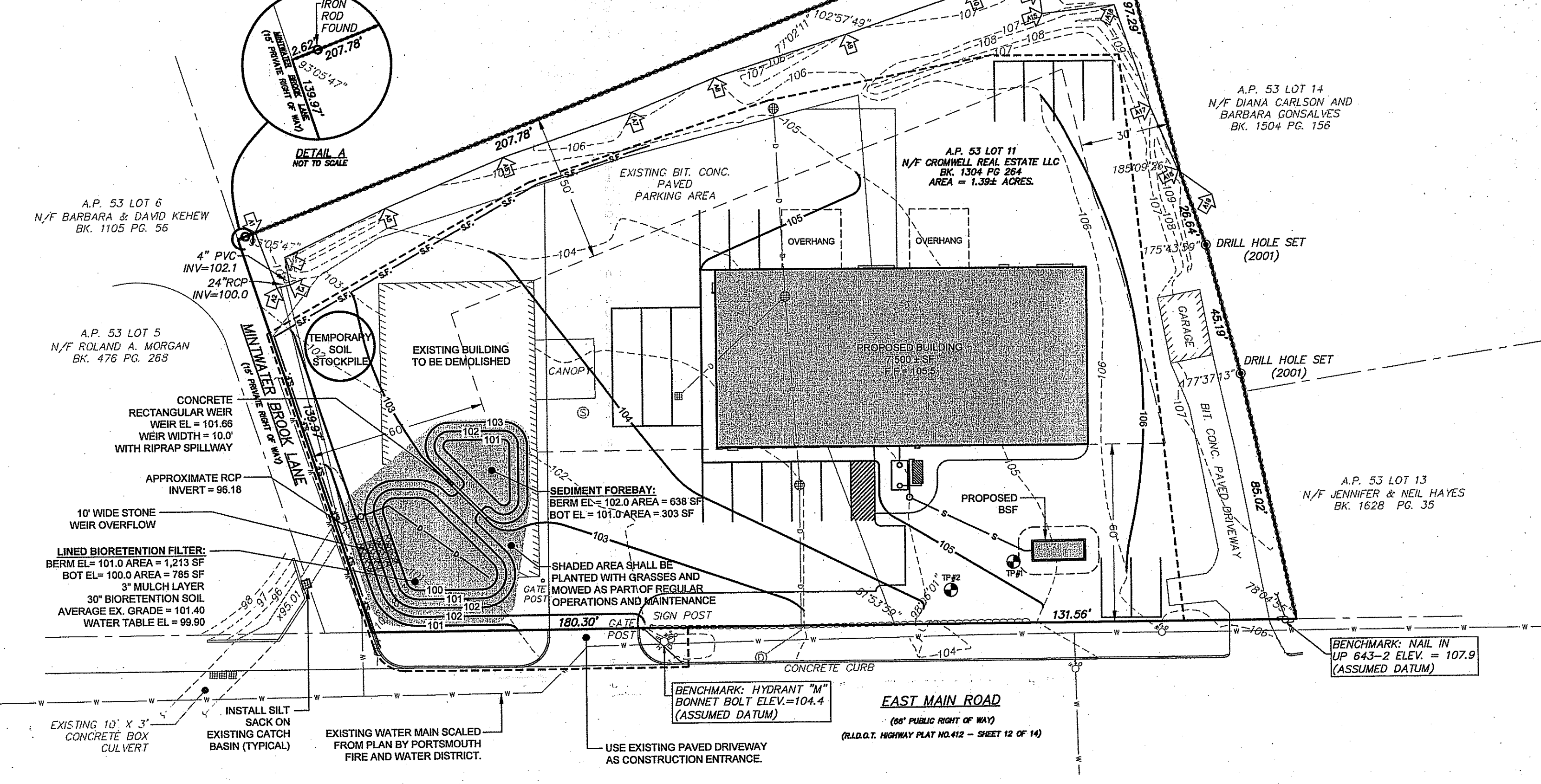
NORTH ARROW SCALED FROM TAX ASSESSORS MAP AND IS APPROXIMATE

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- ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION AT 1-888-344-7233, AND/OR ALL LOCAL UTILITY COMPANIES)
- SOIL TYPES IN THIS VICINITY ARE 'NP' (NEWPORT) AND 'Sb' (STISSING) PER THE RI SOIL SURVEY. THESE SOILS ARE HYDROLOGIC GROUP 'C' AND 'D' RESPECTIVELY.

STORMWATER MAINTENANCE NOTES

- BIORETENTION FILTER MAINTENANCE:**
 - GRASSES AND/OR SPECIFIED VEGETATION SHALL BE PLANTED AROUND AND WITHIN EACH BIORETENTION FILTER IMMEDIATELY FOLLOWING CONSTRUCTION TO STABILIZE SLOPES AND PREVENT EROSION.
 - BIORETENTION 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). 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.
 - THE UNDERDRAIN RISERS OR OVERFLOW OUTLET STRUCTURES SHALL BE INSPECTED FOR LEAKY JOINTS OR CRUSHED LINES. UNDERDRAIN AND OUTLET PIPES SHALL BE CLEAN AND FREE OF MATERIALS THAT CAN REDUCE FLOW.
 - ANY AREAS WITHIN THE EXTENTS OF THE FILTER THAT ARE SUBJECT TO EROSION OR GULLING SHOULD BE REPLENISHED WITH THE ORIGINAL DESIGN MATERIAL AND RE-VEGETATED ACCORDING TO DESIGN DRAWINGS. SLOPE PROTECTION MATERIAL SHOULD BE PLACED IN AREAS PRONE TO EROSION. EMBANKMENT STABILITY SHOULD BE INSPECTED FOR SEEPAGE AND BURROWING ANIMALS.
 - 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 FILTERS. ANY INVASIVE VEGETATION ENCROACHING UPON THE PERIMETER OF THE FILTER SHOULD BE PRUNED OR REMOVED IF IT IS PROHIBITING ACCESS TO THE FILTER, 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.
 - THE FOLLOWING SHALL ALSO BE COMPLETED ON A BIENNIAL BASIS (EVERY TWO YEARS):
 - THE MULCH LAYER SHOULD BE REPLENISHED (TO ORIGINAL DESIGN DEPTH) EVERY OTHER YEAR, AS DIRECTED BY THE INSPECTION REPORTS. THE PREVIOUS MULCH LAYER SHOULD BE REMOVED, AND PROPERLY DISPOSED OF, OR ROTO-TILLED INTO THE SOIL SURFACE.
 - IF AT LEAST 60 PERCENT VEGETATION COVERAGE IS NOT ESTABLISHED AFTER TWO YEARS, A REINFORCEMENT PLANTING SHOULD BE PERFORMED.
 - IF THE SURFACE OF A BIORETENTION FILTER BECOMES CLOGGED TO THE POINT THAT THE STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE SURFACE SHOULD BE ROTO-TILLED OR CULTIVATED TO BREAK UP ANY HARD-PACKED SEDIMENT AND THEN REVEGETATED.
 - PRUNING OR REPLACEMENT OF WOODY VEGETATION SHOULD OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED. SEPARATION OF HERBACEOUS VEGETATION ROOTSTOCK SHOULD OCCUR WHEN OVER-CROWDING IS OBSERVED, OR APPROXIMATELY EVERY 3 YEARS.
- SEDIMENT FOREBAY MAINTENANCE:**
 - EACH FOREBAY 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 FOREBAY SHOULD BE INSPECTED AT LEAST ONCE A MONTH AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.8 INCHES). SEDIMENTS SHALL BE DISPOSED OF ONCE 25% OF THE VOLUME OF THE FOREBAY HAS ACCUMULATED.
- RIPRAP SPILLWAY MAINTENANCE:**
 - THE 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 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.**



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.
 - CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCE SHOWN ON THE PLAN.
 - INSTALL SILT FENCES, SILT SACKS, CHECK DAMS AND/OR STRAW BALES AS INDICATED ON THE DRAWINGS TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF STREAMS AND WETLANDS PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - REMOVE TREES ONLY WHERE NECESSARY. ALL STUMPS TO BE GROUND OR DISPOSED OF OFF SITE
 - DEMOLISH EXISTING STRUCTURES.
 - EXCAVATE BIORETENTION FILTER IN ACCORDANCE WITH THE PLANS AND DETAILS AND STABILIZE FOREBAY AND FILTER BASIN TO BE USED AS SEDIMENTATION BASIN DURING CONSTRUCTION.
 - CONSTRUCT BUILDING.
 - GRADE PARKING AREA AND INSTALL UTILITIES.
 - INSTALL BINDER AREAS AND COMPLETE LANDSCAPE AREAS.
 - REMOVE SEDIMENTS FROM BIORETENTION FILTER, PLACE BIORETENTION SOIL, MULCH LAYER, AND INSTALL PLANTINGS.
 - TOP PAVEMENT COURSE AND MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.
- NOTES:**
 - DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
 - NO DRAINAGE AREAS SHALL BE USED FOR STOCKPILES OR STORAGE OF MATERIALS OR EQUIPMENT. THESE AREAS SHOULD BE DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION WHERE POSSIBLE.
 - 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.
 - 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:

- PERMANENT MEASURES:**
 - SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 3 HORIZONTAL UNLESS OTHERWISE SPECIFIED.
 - LOAM AND SEED REQUIREMENTS ARE SPECIFIED IN RIDOT L01 & L02.
 - A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2 INCHES SHALL BE REMOVED.
- TEMPORARY MEASURES (FOR TEMPORARY PROTECTION OF DISTURBED AREAS)**
 - LIMESTONE AND FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:
LIMESTONE: 3 TONS/ACRE
FERTILIZER: (10-10-10) 600 LBS/ACRE
 - SEED SHALL BE APPLIED AT THE FOLLOWING RATE:
WATER RYE: 100 LBS/ACRE
F. STRAW MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.
- MAINTENANCE**

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

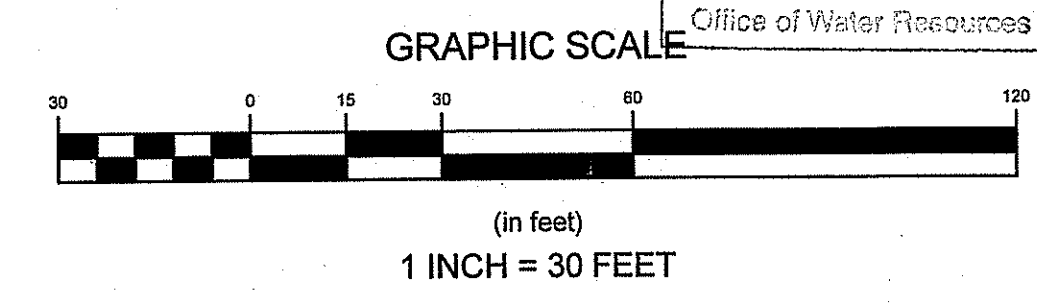
 - AT A MINIMUM THE SILT FENCING, STRAW BALES AND FILTER SOCK BARRIERS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND / OR IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL OR SNOWMELT. SEDIMENT TRAPPED BEHIND THE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REGRADED ON THE SITE.
 - EROSION 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.
 - SEEDED AREAS WILL BE FERTILIZED AND RESEEDED AS NECESSARY TO INSURE ESTABLISHMENT OF A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN ENGINEER.

ZONING DATA: I-L			
MIN. LOT SIZE:	REQ'D	EXISTING	PROPOSED
	40,000 S.F.	60,818 S.F.±	60,818 S.F.±
SETBACKS:			
FRONT:	60'	21'17"	60'130"
REAR:	50'	31'	60'
SIDE:	30'	220'	39'
LOT FRONTAGE:	200'	312'	312'
LOT COVERAGE:	25% MAX	8.4%	13.9%

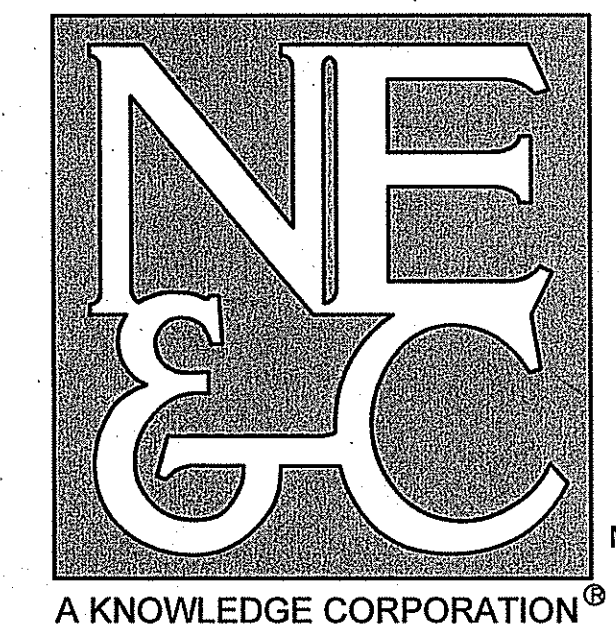
LEGEND

—	PROPERTY LINE
---	EXISTING PAVEMENT
- - - -	EXISTING TOPOGRAPHIC CONTOUR
- - - -	ABUTTERS PROPERTY LINE
-----	STONEWALL
-----	PROPOSED PAVEMENT
- - - -	PROPOSED TOPOGRAPHIC CONTOUR
- - - -	SILT FENCE/STRAWBALES
- - - -	LIMIT OF DISTURBANCE
○	IRON ROD FOUND
○	DRILL HOLE
○	HYDRANT
○	WATER GATE
○	DRAINAGE MANHOLE
○	SEWER MANHOLE
○	CATCH BASIN
○	UTILITY POLE
○	SOIL TEST HOLE
○	WETLAND FLAG

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



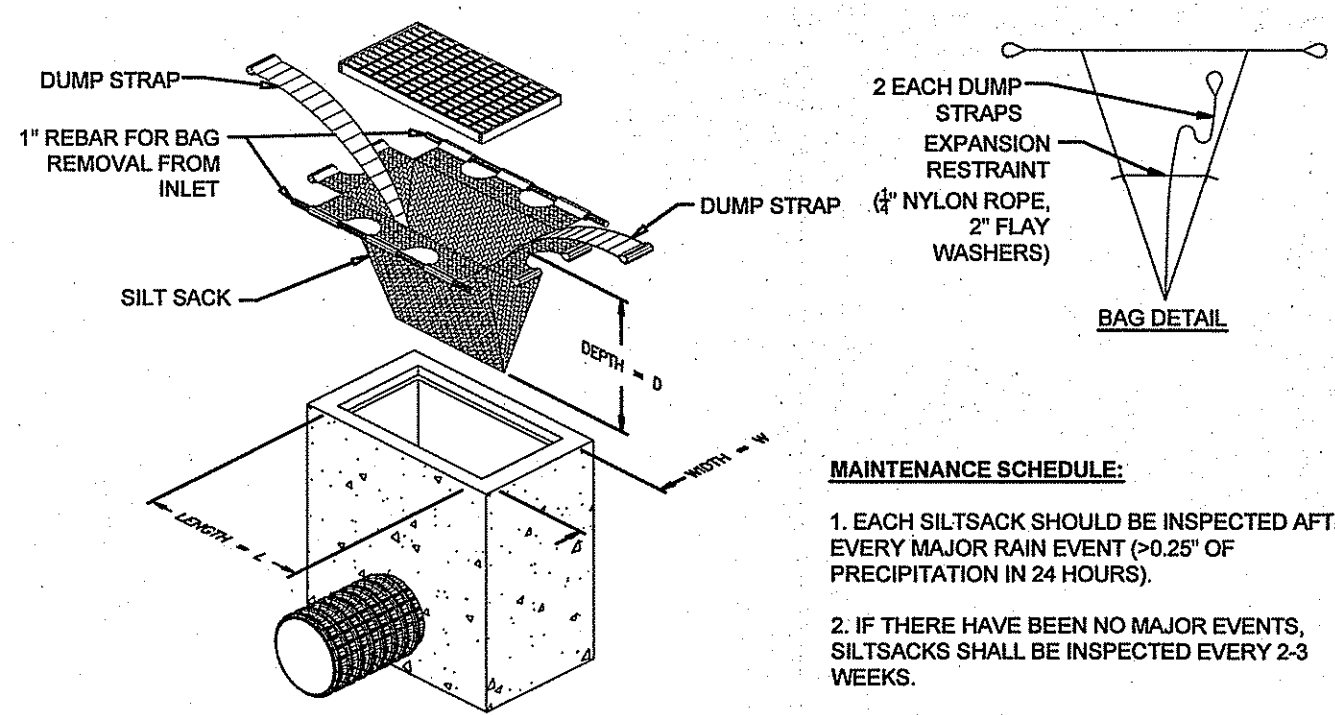
Environmental Management
MAY 27 2016
Office of Water Resources



A KNOWLEDGE CORPORATION

55 JOHN CLARKE ROAD MIDDLETOWN RHODE ISLAND 02842
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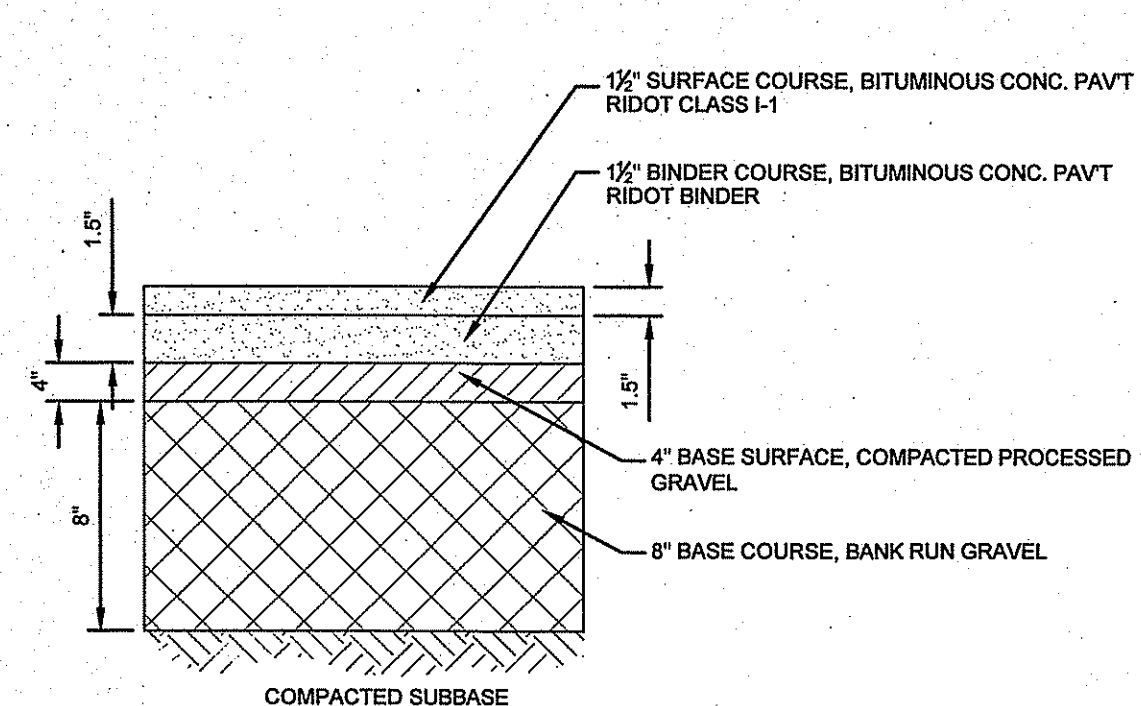
SITE/CIVIL
LAND PLANNING
WATERFRONT
SURVEYING
GEOTECHNICAL
ENVIRONMENTAL
TRANSPORTATION
STRUCTURAL
MATERIALS TESTING



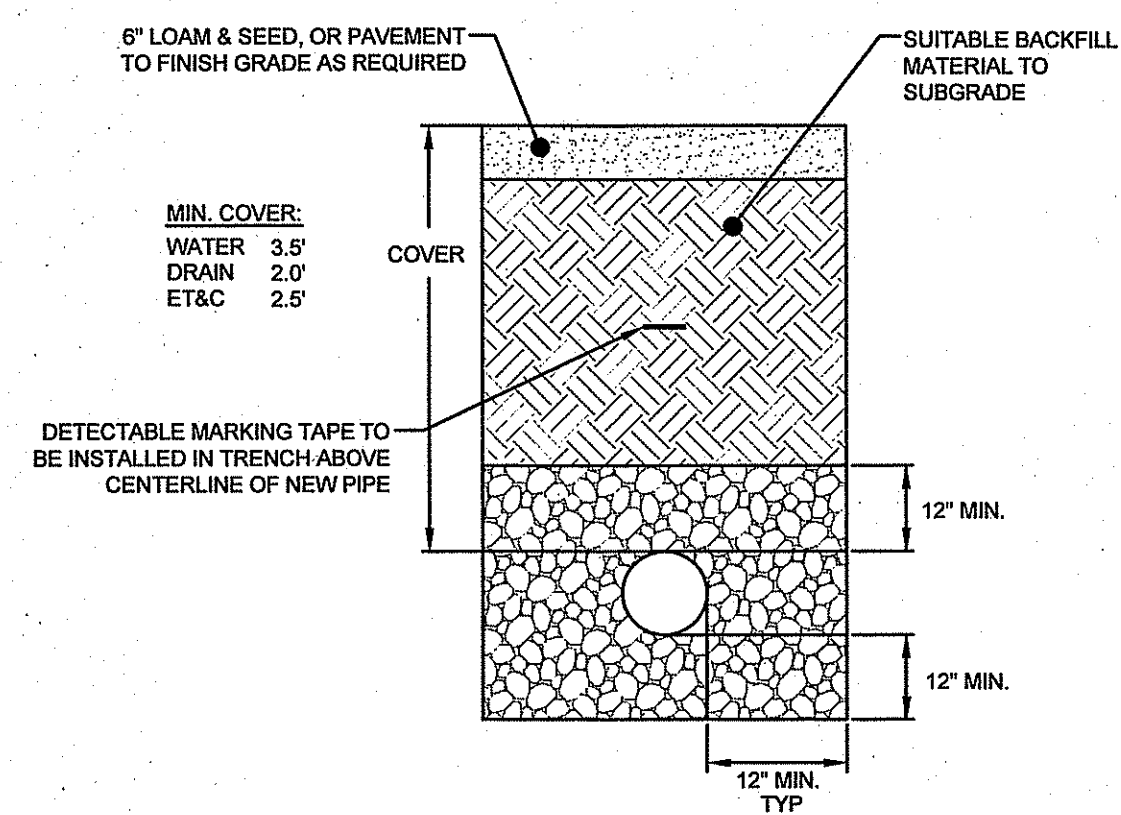
MAINTENANCE SCHEDULE:

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

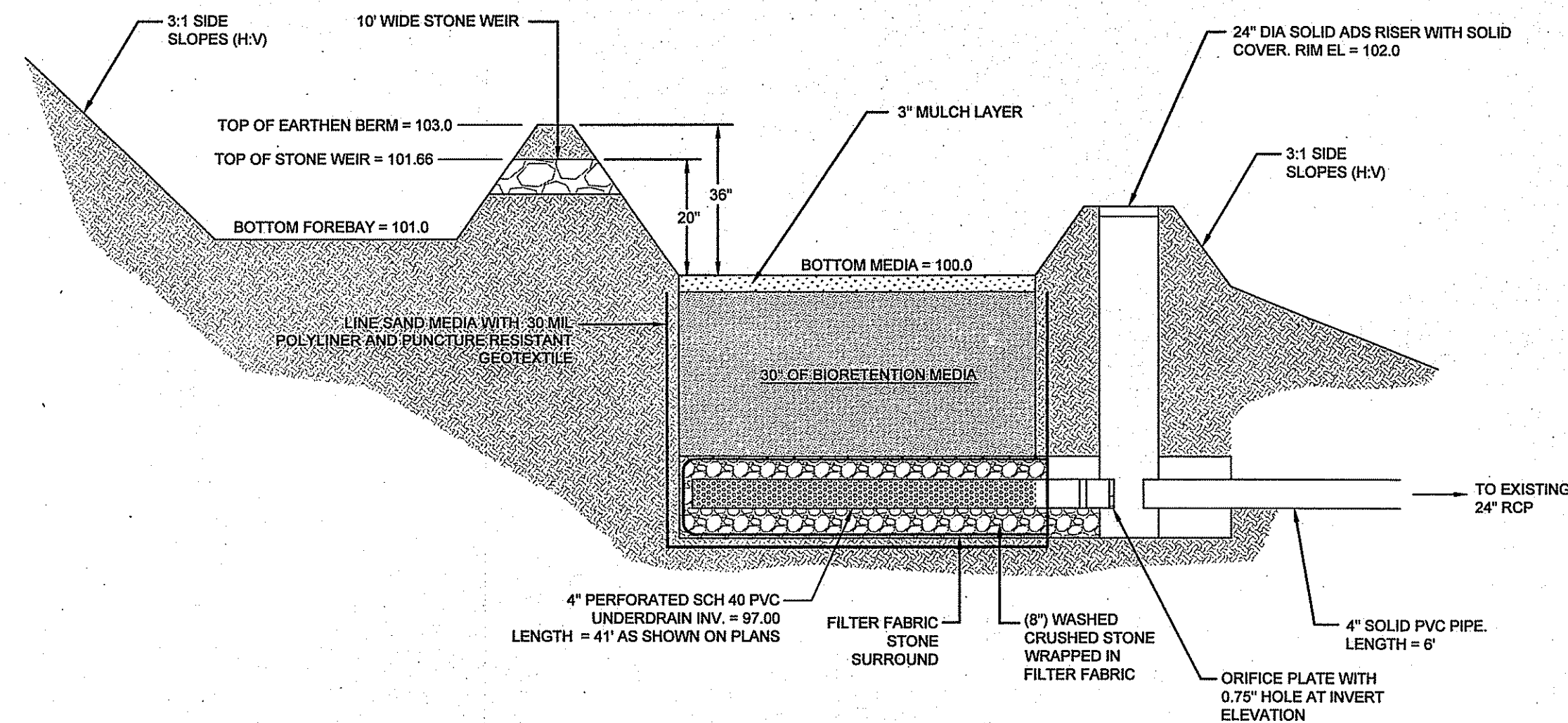


TYPICAL BITUMINOUS PAVEMENT SECTION
SCALE: NOT TO SCALE



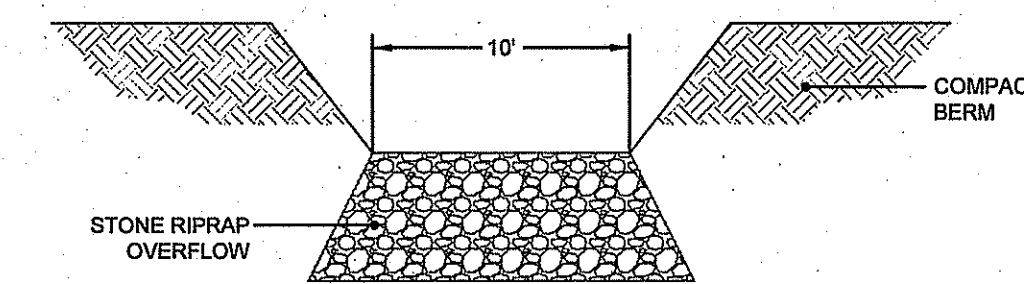
UTILITY TRENCH DETAIL
SCALE: NOT TO SCALE

- TRENCH NOTES:**
1. UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.
 2. TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.
 3. SEWER AND DRAIN PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE.
 4. ALL PVC SEWER PIPES SHALL BE IPEX RING-TITE SDR 35, OR SIMILAR APPROVED.
 5. ALL DRAIN PIPES SHALL BE ADS N-12 TYPE IB (SOILTIGHT OR SCH40 PVC) UNLESS OTHERWISE INDICATED.
 6. ALL SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F670.
 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 T180). SUITABLE BACKFILL SHALL BE FREE OF LOAM, CLAY, ORGANIC MATTER AND PARTICLES LARGER THAN 2 INCHES IN DIAMETER.
 8. SEWER AND DRAINAGE PIPE TRENCHES SHALL BE BEDDED WITH CRUSHED STONE OR SCREENED GRAVEL, THESE MATERIALS MUST CONFORM TO RIDOT STANDARD M.01.09 TYPE II MATERIAL.
 9. WATER PIPE TRENCHES MUST BE BEDDED WITH SAND CONTAINING NO PARTICLES LARGER THAN 3/8". THIS MATERIAL MUST CONFORM TO AASHTO M6 REQUIREMENTS.
 10. UTILITY INSTALLATIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE TOWN OF PORTSMOUTH PUBLIC WORKS DEPARTMENT AND PORTSMOUTH FIRE AND WATER DISTRICT 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, CAVINGS AND SETTLEMENT AND FOR PROPERLY SUPPORTING EXISTING STRUCTURES AND FACILITIES WITH BEAMS, STRUTS OR UNDERPINNING TO FULLY PROTECT THEM FROM DAMAGE.

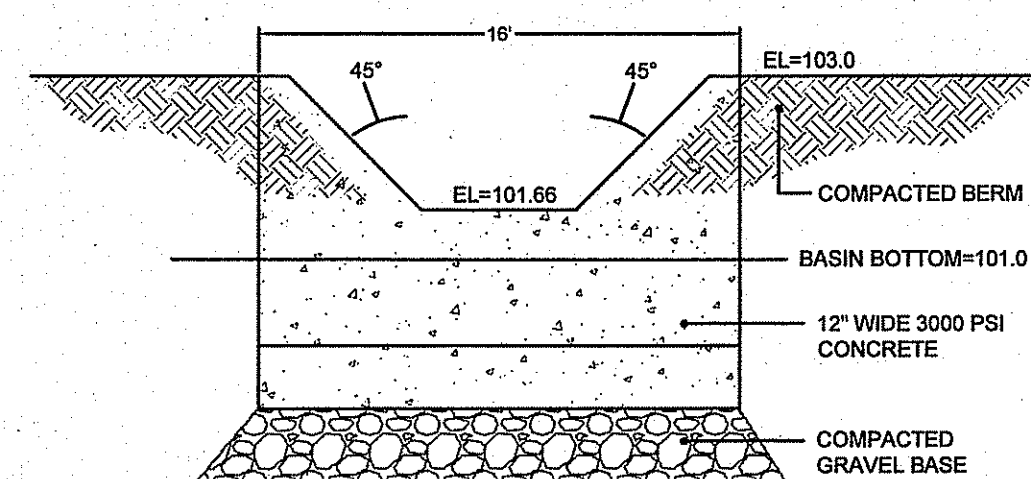


BASIN SYSTEM PROFILE
SCALE: NOT TO SCALE

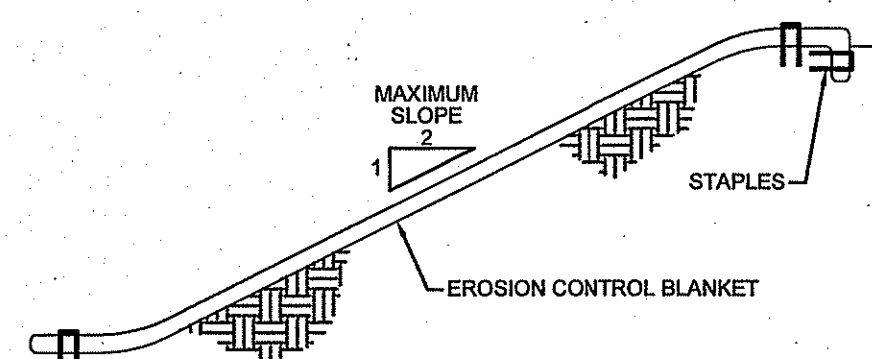
- NOTES:**
1. BIORETENTION FILTER PLANTINGS MAY BE SELECTED FROM THE RHODE ISLAND COASTAL PLANT GUIDE OR APPENDIX B OF THE RI STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL AND SHOULD BE SELECTED BY A REGISTERED RI LANDSCAPE ARCHITECT.
 2. PLANTINGS MUST BE DENSE AND COVER THE ENTIRETY OF THE FILTER SURFACE.
 3. BIORETENTION SOIL SHALL CONSIST OF USDA LOAMY SAND AND MEET THE FOLLOWING GRADATIONS: SAND 85-88% SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER (LEAF COMPOST) 3-5%.
 4. UNDERDRAIN STONE SHALL CONFORM TO AASHTO M-43, 0.25" TO 0.75". MATERIAL MUST BE WASHED CLEAN CRUSHED STONE. STONE PIPE TO BE WRAPPED IN GEOTEXTILE FABRIC CONFORMING TO FLOWRATE IN NOTE 5.
 5. POLYLINER SHALL BE 30 MIL IN THICKNESS (ASTM D 751), SHALL HAVE A TENSILE STRENGTH OF 1,100 LBS AND AN ELONGATION OF 200% (ASTM D 412) A TEAR RESISTANCE OF 150 LBS/IN (ASTM D 624) AND WATER ADSORPTION OF +8 TO -2% MASS (ASTM D 471). LINER SHALL BE ULTRAVIOLET RESISTANT. GEOTEXTILE FABRIC SHALL HAVE A PUNCTURE STRENGTH OF 125 LBS, A BURST STRENGTH OF 400 PSI (ASTM D 1117) AND A TENSILE STRENGTH OF 300 LBS (ASTM D 1692). FABRIC SHALL BE MIN 0.08" THICK WITH AN EQUIVALENT OPENING SIZE OF 800 SIEVE AND A MINIMUM FLOW RATE OF 125 GPM PER SQUARE FOOT.
 6. UNDERDRAIN SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-1785 OR AASHTO M-278. PERFORATIONS SHALL BE 3/8" @ 6" ON CENTER. PIPE SHALL HAVE 3" OF STONE COVER.



STONE WEIR OVERFLOW DETAIL
SCALE: NOT TO SCALE

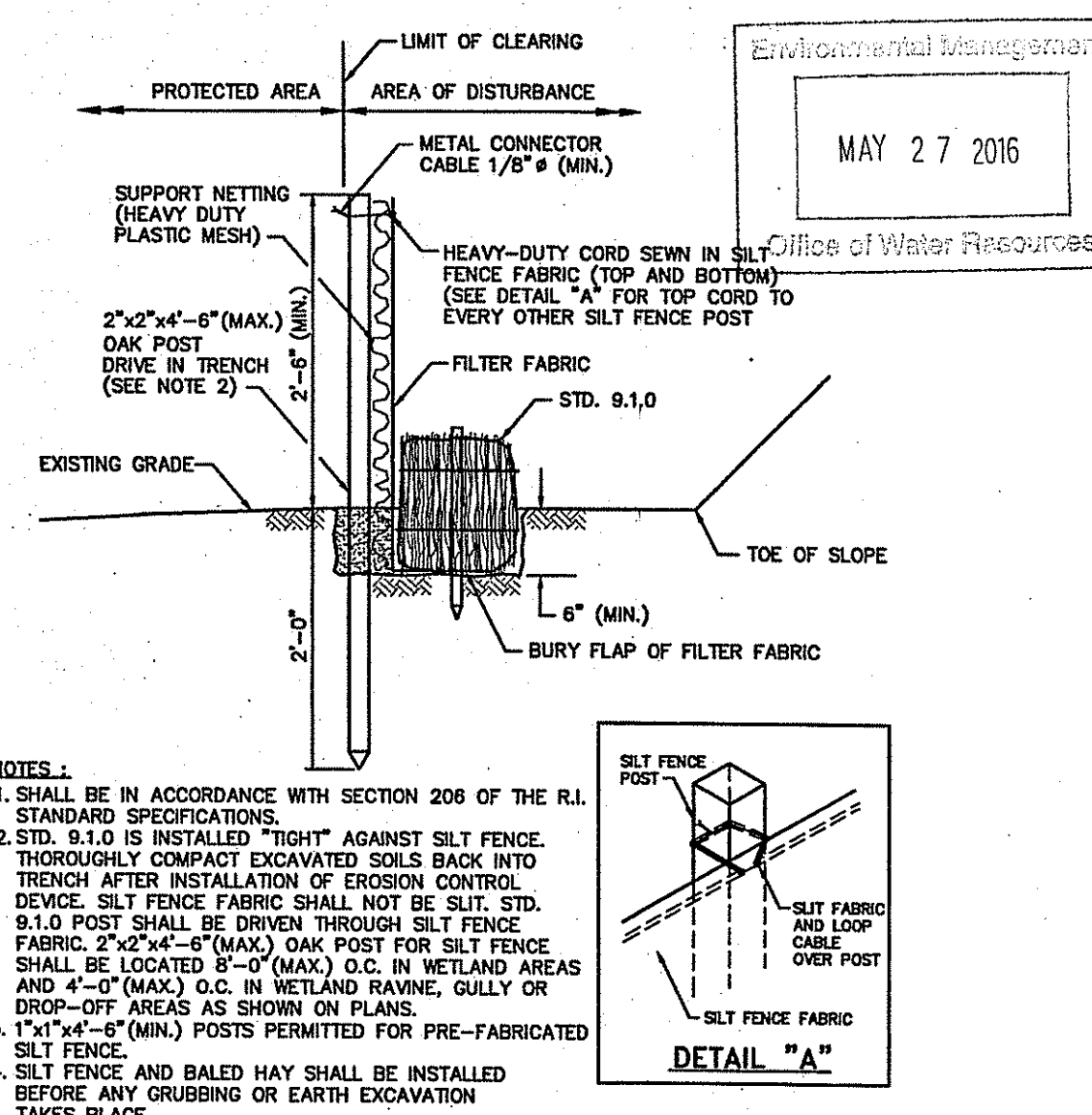


FOREBAY OUTLET WEIR DETAIL
SCALE: NOT TO SCALE



- 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 SPICED 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



- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE RI. 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 RAVINE, 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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 27 2016 FILE # 16-0139
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

No.	Revision	Date	App.
Designed By:	Drawn by: DJW	Checked by:	
Scale:	AS SHOWN	Date:	MAY, 24 2016

Project Title:
A.P. 53 LOT 11
1250 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Client/Owner:
MARITIME SOLUTIONS
1250 EAST MAIN ROAD
PORTSMOUTH, RHODE ISLAND

Issued for:

Drawing Title:

SESC DETAILS

	Drawing Number:	D-1
	Sheet	2 of 2
	Project Number:	16020.0
	Survey Index:	12 - 53 - 11

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