

CIVIL SHEET INDEX

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- S1 BOUNDARY & EXISTING CONDITIONS SURVEY

LEGEND

A.P.	ASSESSOR'S PLAT
N/F	NOW OR FORMERLY
SQ. FT.	SQUARE FEET
● MN	MAGNETIC NAIL FOUND
● IR	IRON ROD FOUND
■ GB	GRANITE BOUND FOUND
— W	EXISTING WATER SERVICE
— CS	EXISTING WATER SERVICE SHUT OFF
UP 1-6	UTILITY POLE
—	STOCKADE FENCE
—	EXISTING CONTOUR ELEVATION
—	PROPOSED CONTOUR ELEVATION
CB	CATCH BASIN
—	EXISTING SEWER MANHOLE
—	PROPOSED SEWER DRAIN
☆	PROPOSED SITE LIGHT

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

- UTILITY NOTES**
1. LOCATIONS AND SIZES OF EXISTING UTILITIES ARE PLOTTED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL INFORMATION WITH THE APPROPRIATE UTILITY AUTHORITY AND DIG SAFE PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
 2. EXPLORATORY TEST PITS SHALL BE EXCAVATED TO CONFIRM THE LOCATION DEPTH AT ANY CRITICAL UTILITY AREAS, AS REQUIRED.
 3. SEE SHEET C6 FOR SEWER AND WATER DETAILS. SEE SHEETS C3 AND C4 FOR DRAINAGE PLAN AND DETAILS.
 4. WATER SERVICE AND BUILDING SEWER LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.
 5. GAS, CABLE, ELECTRIC AND TELEPHONE SERVICES SHALL BE AS PER APPROPRIATE UTILITY AUTHORITY.
 6. UTILITY SERVICE INSTALLATIONS SHALL BE APPROVED AND INSPECTED BY THE APPROPRIATE UTILITY COMPANY.
 7. SEE ELECTRICAL & LIGHTING PLANS FOR POWER SERVICE, COMMUNICATIONS, SITE LIGHTING, TELEPHONE, CABLE AND WIRING DETAILS.
 8. LOCATION AND SIZE OF ALL BUILDING UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.
 9. SEE MECHANICAL PLANS FOR GAS MAIN AND SERVICE LOCATIONS.
 10. SEE PLUMBING PLANS FOR WATER AND SEWER LATERAL LOCATIONS.
 11. NATURAL GAS MAINS ARE PROPOSED TO BE EXTENDED ALONG PASCOAG MAIN STREET BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE THE NEW SERVICE CONNECTIONS WITH THIS WORK.

- WATER NOTES**
1. ALL WATER RELATED WORK SHALL BE IN ACCORDANCE WITH THE POLICIES AND PRACTICES OF THE PASCOAG UTILITY DISTRICT.
 2. WATER LINES SHALL BE INSTALLED A MINIMUM OF 18" ABOVE SEWER LINES AND A HORIZONTAL SEPARATION OF 10" SHALL BE MAINTAINED BETWEEN WATER LINES AND ALL SEWER LINES.
 3. THE CONTRACTOR IS RESPONSIBLE TO FULFILL THE AWWA REQUIREMENTS FOR FLUSHING AND DISINFECTION.

- SEWER NOTES**
1. ALL SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BURRILLVILLE SEWER AUTHORITY AND INSTALLATION MUST BE INSPECTED AND APPROVED BY BSA.
 2. SEWER LATERAL SHALL BE 6" PVC WITH EXTERNAL "CLEAN CHECK" BACKFLOW PREVENTER AND CLEANOUT, SEE DETAIL SHT. C6.
 3. THE EXISTING SEWER LATERAL SHALL BE CLEANED AND REPAIRED AS REQUIRED BY THE BURRILLVILLE SEWER AUTHORITY.

- SITE WORK NOTES**
1. ALL SITE WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS AND STANDARD DETAILS UNLESS SPECIFICALLY NOTED OTHERWISE.
 2. ALL PAVEMENT SHALL BE 4" OF BIT. CONC. TYPE 1-1 PLACED IN TWO COURSES ON 12" MIN. OF GRAVEL BORROW BASE COURSE.
 3. ON SITE CURBING SHALL BE PRECAST CONCRETE RI STD. 7.1.0. ROADWAY CURBING SHALL BE GRANITE RI STD. 7.3.0. BIT. BERM SHALL BE RI STD. 7.5.1
 4. WALKS SHALL BE CAST IN PLACE CONCRETE, 4" THICK, RI STD. 4.3.1.0, 5' WIDE ALONG DRIVES AND 4" WIDE AT ALL OTHER LOCATIONS.
 5. CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL AND MAINTAIN EROSION CONTROLS UNTIL THE SITE IS COMPLETELY STABILIZED.
 6. STORM DRAINS SHALL BE HOPE, ADS N-12 OR SDR-35 PVC. THE BIO-RETENTION AREA SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE RI STORMWATER MANUAL.
 7. THE SITE LIES WITHIN AN AREA OF MINIMAL FLOOD HAZARD ZONE X PER FEMA FLOOD INSURANCE RATE MAP 44020D300 EFFECTIVE MARCH 2, 2009
 8. PROPERTY LINE AND TOPOGRAPHIC INFORMATION FROM BOUNDARY & EXISTING CONDITIONS SURVEY PLAN BY SCITUATE SURVEYS, INC., SEE SHEET 7.
 9. VERTICAL DATUM: NAVD83

- PERMIT NOTES**
1. ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE RI DEM FRESHWATER WETLAND PERMIT AND THE APPROVED STORMWATER POLLUTION PREVENTION PLAN. REFERENCE PREVIOUS FRESHWATER WETLAND PERMIT NO. 15-0236.
 2. ALL WORK WITHIN PASCOAG MAIN STREET SHALL COMPLY WITH THE REQUIREMENTS OF THE RIDOT PHYSICAL ALTERATION PERMIT AND IS SUBJECT TO RIDOT INSPECTION AND APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A RIDOT UTILITY PERMIT FOR ANY UTILITY WORK WITHIN THE STATE RIGHT OF WAY.
 3. ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE TOWN SOIL AND EROSION CONTROL PERMIT AND THE APPROVED SOIL AND EROSION CONTROL PLAN.
 4. ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE TOWN LAND DEVELOPMENT APPROVAL AND ALL CONDITIONS.
 5. REFERENCE THE RI DEM FRESHWATER WETLAND PERMIT AND THE RIDOT PAP PERMIT FOR SPECIFIC REQUIREMENTS INCLUDING INSPECTIONS, MONITORING, RECORD KEEPING AND MAINTENANCE.
 6. A COPY OF ALL PERMITS, APPROVED PLANS, STORMWATER POLLUTION PREVENTION PLAN AND SOIL & EROSION CONTROL PLAN SHALL BE KEPT ON SITE.
 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY AUTHORITIES FOR UTILITY SERVICE REMOVALS, NEW SERVICES, EXTENSIONS AND INSPECTIONS.

- RIDOT CONTRACT NOTES**
1. THERE IS EXPECTED TO BE A RIDOT CONTRACT FOR THE RECONSTRUCTION OF PASCOAG MAIN STREET WHICH INCLUDES PAVEMENT, CURBING AND SIDEWALK WORK WHICH IS SCHEDULED TO COMMENCE 2016.
 2. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK INSTALLATION WITHIN AND ADJACENT TO PASCOAG MAIN STREET AND WORK SCHEDULES WITH RIDOT AND THEIR ROAD CONTRACTOR.
 3. ANY DAMAGE TO AREAS WITHIN THE STATE RIGHT OF WAY SHALL BE REPAIRED OR REPLACED PER RIDOT SPECIFICATIONS AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY RIDOT.
 4. IT IS ANTICIPATED THAT THE RECONSTRUCTION OF THE SIDEWALK ALONG PASCOAG MAIN STREET WILL RESULT IN THE SIDEWALK BEING LOWERED APPROXIMATELY 2". THE SITE CONTRACTOR SHALL COORDINATE WITH RIDOT AND ADJUST SITE GRADES AS NECESSARY.

BUILDING FLOOR AREAS
 COMMERCIAL: 4,864 G.S.F.
 RESIDENTIAL: 10,756 G.S.F.
PARCEL AREA: 33,393± S.F.

EXISTING PARCEL ZONING
 ZONE: VC - VILLAGE COMMERCIAL
 MIN. LOT SIZE: NONE
 MIN. LOT FRONTAGE: NONE
 MIN. YARDS: FRONT 35'
 SIDE 15'
 REAR 30'
 MAX. BUILDING HEIGHT: 35'
 MAX. BUILDING COVERAGE: 30%
 VISION CLEARANCE AT CORNER: 15'

DEVELOPMENT AREAS
 BUILDING: 6,847± S.F.
 PAVING/WALKS: 12,871± S.F.
 LANDSCAPED: 12,670± S.F.
 PARCEL TO TOWN: 1,005± S.F.
 TOTAL: 33,393± S.F.

PROPERTY OWNERS
LOTS 60 & 61
 NARDELLI PROPERTIES, LLC
 519 PUTNAM PIKE
 CHEPACHET, RI 02814
LOT 59
 TOWN OF BURRILLVILLE
 REDEVELOPMENT AGENCY
 105 HARRISVILLE MAIN STREET
 HARRISVILLE, RI 02830

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 APR 11 2016 FILE # 16-0049
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

REVISION
 11-17-15 ELECTRIC UTILITIES
 12-9-15 ROOF & YARD DRAIN

DATE

SCOTT F. MOOREHEAD
 REGISTERED PROFESSIONAL ENGINEER
 No. 0288

PREPARED FOR:
 NEIGHBORHOODS BLACKSTONE
 RIVER VALLEY
 719 FRONT STREET SUITE 103
 WOODSOCKET, RI 02895
 401-762-0993

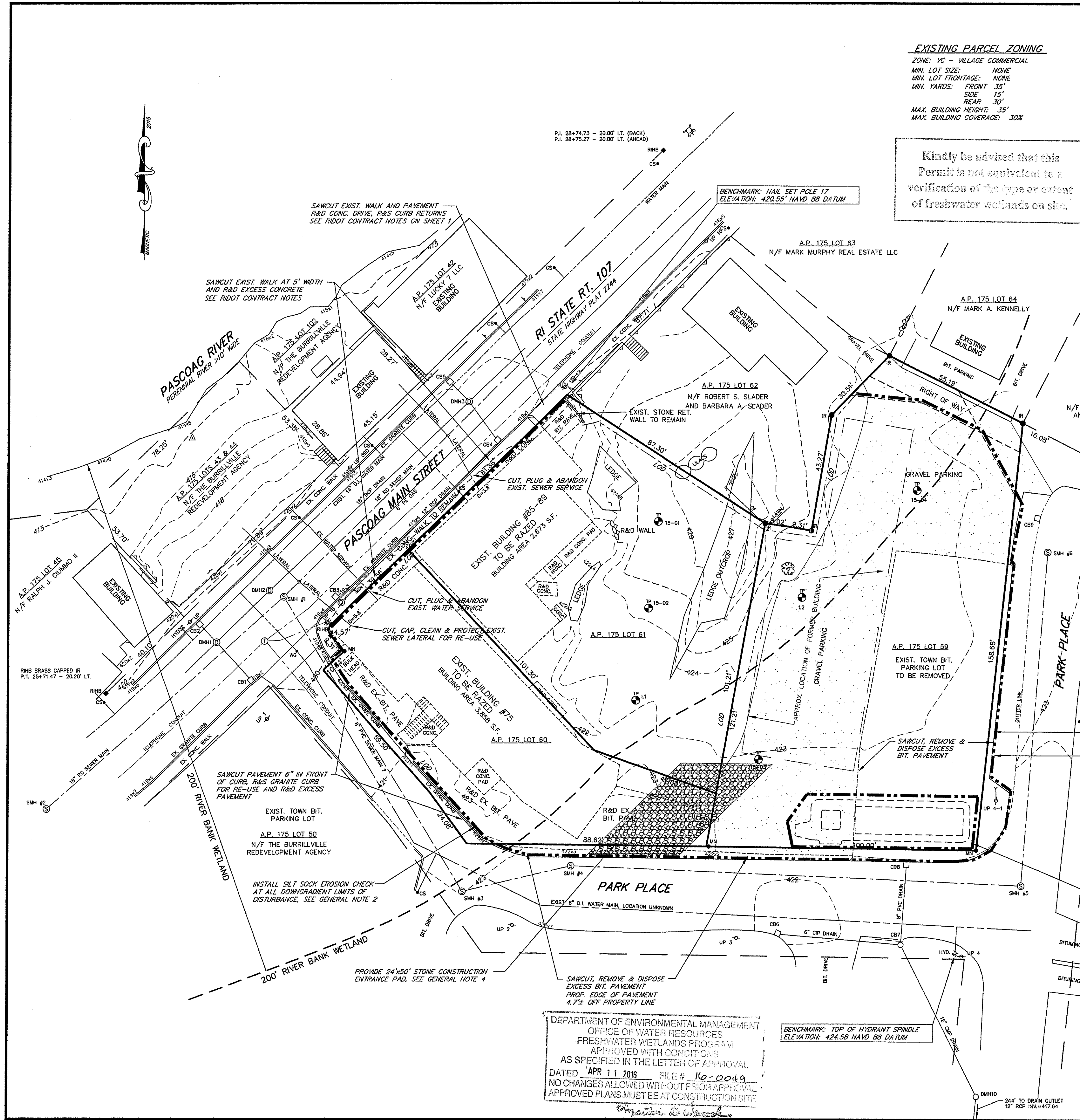
75-81 PASCOAG MAIN STREET
 AND 28 PARK PLACE
 ASSESSOR'S PLAT 175 LOTS 59, 60 & 61
 PASCOAG MAIN STREET & PARK PLACE
 BURRILLVILLE, RI
SITE LAYOUT & UTILITY PLAN

SFM ENGINEERING ASSOCIATES
 410 TIGUE AVENUE
 COVENTRY, RI 02816
 PHONE: 401-826-3736
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 SCOTT@SFM.NECCOMAIL.COM

DRN. BY: SFM CHK. BY: JZL
 SCALE: 1" = 20'
 DATE: JAN. 28, 2016
 DWG: SFM825B-SF2-A
 SHEET 1 OF 7
 DEM WETLAND SUBMISSION

MAR 7 2016

C1



EXISTING PARCEL ZONING
 ZONE: VC - VILLAGE COMMERCIAL
 MIN. LOT SIZE: NONE
 MIN. LOT FRONTAGE: NONE
 MIN. YARDS: FRONT 35'
 REAR 30'
 MAX. BUILDING HEIGHT: 35'
 MAX. BUILDING COVERAGE: 30%

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DEMOLITION NOTES:

- ONLY MAJOR ITEMS FOR DEMOLITION ARE NOTED ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT THE SITE AND REVIEW THE CONSTRUCTION PLANS TO DETERMINE THE EXTENT OF STRUCTURES, UTILITIES, DRAINS AND APPURTENANCES THAT NEED TO BE DEMOLISHED, REMOVED OR MODIFIED.
- ALL ITEMS, MATERIALS AND STRUCTURES DEMOLISHED OR REMOVED SHALL BE HANDLED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF ACTUAL SITE CONDITIONS. SFM ENGINEERING ASSOCIATES, SCITUATE SURVEYS, INC. AND O'HEARNE ASSOCIATES ARCHITECTS ACCEPT NO RESPONSIBILITY FOR UNKNOWN SITE AND SUBSURFACE CONDITIONS.
- THE LOCATION, SIZE AND MATERIAL OF THE EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES AND/OR UTILITIES SHOWN ON THESE PLANS ARE FROM THE BEST SOURCES AVAILABLE AT THE PRESENT AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND STRUCTURES ARE SHOWN. EXACT LOCATIONS SHALL BE CONFIRMED AND DETERMINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO ALL UTILITIES (BOTH ABOVE AND BELOW GROUND) WITHIN THE PROJECT AREA. DAMAGE TO ANY UTILITIES AS A RESULT OF ACTIONS BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER. RESTORATION OR REPLACEMENT SHALL BE TO CONDITIONS EQUAL TO OR BETTER THAN THAT BEFORE THE DAMAGE WAS DONE.
- THE CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS REGARDING RE-USE OF CRUSHED AND SCREENED MATERIALS ON-SITE. ALL EXCAVATED SPOILS AND DEMOLITION ITEMS SUITABLE FOR EMBANKMENT FILL SHALL BE STOCKPILED FOR RE-USE ON SITE. SALVAGED MATERIALS SHALL BE USED TO THE EXTENT POSSIBLE PRIOR TO THE IMPORTATION OF BORROW MATERIALS.
- ALL ITEMS DESIGNATED TO BE REMOVED AND DISPOSED (R&D) SHALL BE TAKEN FROM THE SITE AND LEGALLY DISPOSED UNLESS THEY ARE ITEMS SUITABLE FOR CRUSHING AND REUSE ON-SITE AS EMBANKMENT FILL.
- THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY COMPANIES AND VERIFY UTILITY LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY UTILITY DAMAGE. THE CONTRACTOR SHALL RECORD THE LOCATION OF ANY UTILITIES ENCOUNTERED AND DIG-SAFE UTILITY MARKINGS ON PROJECT RECORD DOCUMENTS.
- DEBRIS OF ANY NATURE SHALL NOT BE ALLOWED TO ACCUMULATE IN THE STREETS, PARKING LOT, SIDEWALK AREAS OR GROUNDS SURROUNDING THE PROJECT AREA.
- FOR ALL HOLES, PITS OR OTHER HAZARDOUS DEPRESSIONS, A TEMPORARY GUARD FENCE SHALL BE IMMEDIATELY ERECTED FOR THE PROTECTION OF PEDESTRIANS. THE FENCING MATERIAL SHALL BE FREE FROM NAILS, FASTENERS OR SPLINTERS AND SHALL PRESENT A REASONABLY SMOOTH SURFACE ON THE SIDES OF POSSIBLE CONTACT. SUCH TEMPORARY FENCES SHALL BE LEFT IN PLACE AND SHALL BE PROPERLY MAINTAINED UNTIL THE HOLES, PITS OR DEPRESSIONS HAVE BEEN PROPERLY FILLED.
- ALL EXISTING VEGETATION (TREES, SHRUBS, GRASSES, ETC.) TO REMAIN SHALL BE PROTECTED FROM INJURY. INDIVIDUAL TREES AND SHRUBS TO BE SAVED WITHIN THE DESIGNATED WORK AREA SHALL BE PROTECTED AS SPECIFIED ON THE LANDSCAPING PLAN AND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMOVE PROTECTIVE BARRIERS ONLY AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL CAREFULLY PRUNE BRANCHES IN THE WAY OF CONSTRUCTION BY USING ONLY APPROVED METHODS AND TOOLS. THE USE OF AXES FOR TRIMMING OR SPURS FOR CLIMBING WILL NOT BE PERMITTED.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIALS SHALL BE DISPOSED OF IMMEDIATELY TO A LEGAL, OFF-SITE LOCATION UNLESS OTHERWISE INDICATED ON THE PLAN.
- THE CONTRACTOR SHALL AT ALL TIMES PROVIDE SUFFICIENT NUMBER OF FLAGGERS, WATCHMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THE CONTRACTOR'S OPERATIONS.
- DURING THE DEMOLITION AND EXCAVATION PROCESS THE CONTRACTOR SHALL USE SUFFICIENT WATER OR OTHER METHODS TO PREVENT EXCESSIVE SPREADING OF DUST DURING DEMOLITION AND EARTH GRADING OPERATIONS.
- ALL STOCKPILED MATERIALS MUST BE CONTAINED WITHIN THE DESIGNATED LIMITS OF SITE DISTURBANCE. REMOVE AND STOCKPILE ALL CONCRETE, BRICK AND STONE ON-SITE FOR CRUSHING OPERATION. UNSUITABLE AND EXCESS MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR OFF-SITE.

GENERAL NOTES

- PROPERTY LINE AND TOPOGRAPHIC INFORMATION IS FROM A "BOUNDARY AND EXISTING CONDITIONS PLAN" FOR LOTS 44, 59, 60 & 61 PREPARED BY SCITUATE SURVEYS, INC. SEE SHEET 6 FOR THAT PLAN WITH MORE COMPLETE DATA AND CERTIFICATIONS.
- SILT SOCK, STRAW BALE OR SILT FENCE EROSION CHECKS SHALL BE INSTALLED AT ALL DOWNGRADIENT LIMITS OF DISTURBANCE FOR SITE DISTURBANCE PRIOR TO DEMOLITION OR EXCAVATION AND SHALL BE MAINTAINED UNTIL THE SITE IS READY FOR PERMANENT STABILIZATION WITH PAVEMENT AND LANDSCAPING.
- THE BIO-RETENTION AREA SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROTECTED WITH BARRIERS TO PREVENT COMPACTION OF THESE AREAS.
- A CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AT THE COMMENCEMENT OF SITE CLEARING. ALL TRUCK TRAFFIC MUST ENTER AND EXIT OVER THE ENTRANCE PAD. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS READY FOR PAVING. SEE DETAIL SHEET CS.
- SEE EROSION CONTROL DETAILS AND NOTES ON SHEET CS.
- THE CONTRACTOR SHALL MARK AND PROTECT ALL PROPERTY MONUMENTS.

DRAINAGE DATA TABLE

STRUCTURE	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
CB2	419.12'	12" RCP OUT=
CB3	419.35'	12" RCP OUT=415.00'
CB4	419.03'	12" RCP IN=414.94'
CB5	418.82'	12" RCP OUT=416.32'
DMH3	419.20'	12" RCP IN (S)=413.80'
		12" RCP IN (N)=415.70'
		18" RCP IN (W)=413.80'
		18" RCP OUT (E)=413.50'

DRAINAGE DATA TABLE

STRUCTURE	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
CB9	422.41'	DRYWELL?
CB8	422.13'	8" PVC OUT=420.43'
CB6	421.80'	6" CIP OUT=420.80'
CB7	421.88'	12" CMP OUT=419.86'
		8" PVC IN=420.16'
DMH10	421.81'	6" CIP IN=420.08'
		12" CMP IN=419.81'
		12" CMP OUT=419.61'

SEWER DATA TABLE

MANHOLE #	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
1	419.82'	18" RC - XXX'X' 18" RC - XXX'X'
2	402.14'	
3	421.98'	
4	422.35'	
5	422.44'	
6	422.71'	

PARCEL AREA: 33,393± S.F.

TEST HOLE DATA

TEST HOLE #	DEPTH TO LEDGE	LEDGE EL.	SHWT. EL.
15-01	5.0'	420.5	421.0
15-02	3.8'	420.5	421.0
15-03	>9'	413.9	419.2
15-04	>9'	414.5	419.5
L1	4.0'	419.2	-
L2	4.5'	419.3	-

LEGEND

- A.P. ASSESSOR'S PLAT
- N/F NOW OR FORMERLY
- SQ. FT. SQUARE FEET
- M MAGNETIC NAIL FOUND
- IR IRON ROD FOUND
- GR GRANITE BOUND FOUND
- W EXISTING WATER SERVICE
- CS EXISTING WATER SERVICE SHUT OFF
- UP UTILITY POLE
- STOCKADE FENCE
- EXISTING CONTOUR ELEVATION
- CB CATCH BASIN
- EXISTING SEWER MANHOLE
- EXISTING SPOT ELEVATION
- SEV-3 SOIL EVALUATION TEST HOLE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED APR 11 2016 FILE # 10-0049
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISION
 DATE
 SCOTT F. MOOREHEAD
 REGISTERED PROFESSIONAL ENGINEER
 NO. 4298
 PREPARED FOR:
 NEIGHBORHOODS BLACKSTONE
 RIVER VALLEY
 719 FRONT STREET, SUITE 103
 WOONSOCKET, RI 02895
 401-762-0993

75-81 PASCOAG MAIN STREET
 AND 28 PARK PLACE
 ASSESSOR'S PLAT 175 LOTS 59, 60 & 61
 PASCOAG MAIN STREET & PARK PLACE
 BURRILLVILLE, RI

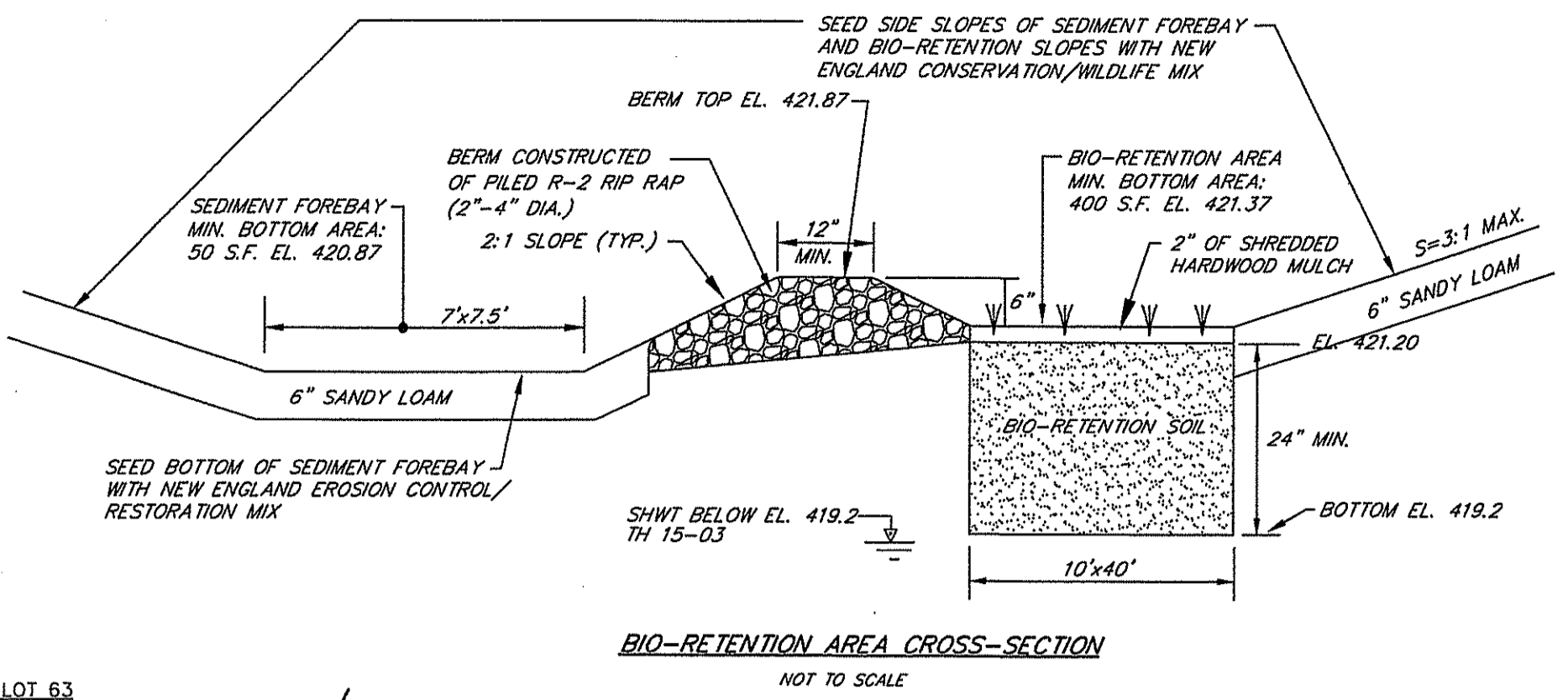
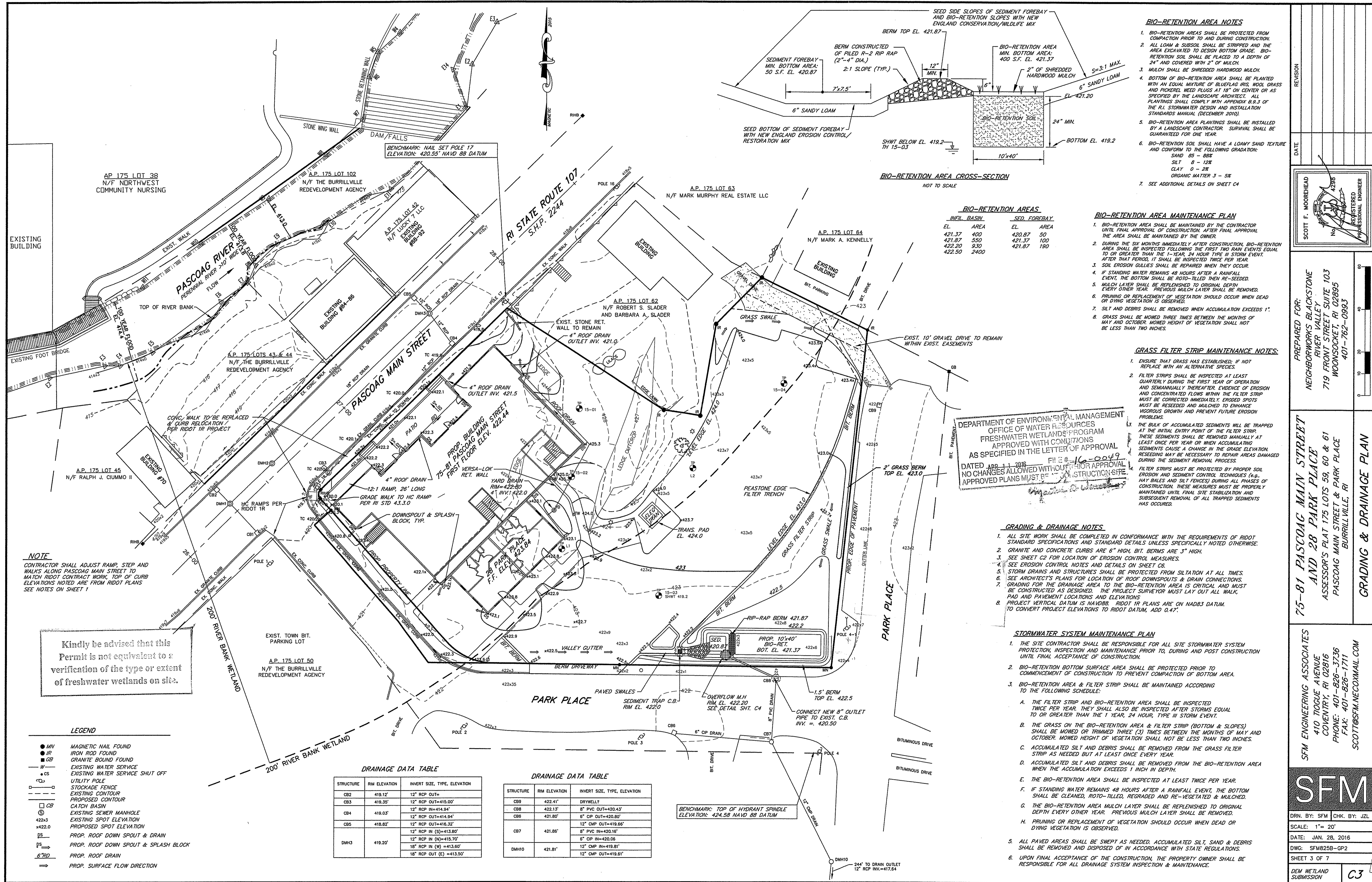
SITE DEMO & EROSION CONTROL PLAN

SFM ENGINEERING ASSOCIATES
 410 TIQUOE AVENUE
 COVENTRY, RI 02816
 PHONE: 401-828-3736
 FAX: 401-828-1771
 SCOTT@SFM.NECOMAIL.COM

DRN. BY: SFM CHK. BY: JZL
 SCALE: 1" = 20'
 DATE: JAN. 20, 2016
 DWG: SFM825B-EC-A
 SHEET 2 OF 7

DEM WETLAND SUBMISSION

C2



BIO-RETENTION AREAS

INFL. BASIN	SED. FOREBAY
EL. AREA	EL. AREA
421.37 400	420.87 50
421.87 550	421.37 100
422.20 930	421.87 190
422.50 2400	

- BIO-RETENTION AREA NOTES**
- BIO-RETENTION AREAS SHALL BE PROTECTED FROM COMPACTION PRIOR TO AND DURING CONSTRUCTION.
 - ALL LOAM & SUBSOIL SHALL BE STRIPPED AND THE AREA EXCAVATED TO DESIGN BOTTOM GRADE. BIO-RETENTION SOIL SHALL BE PLACED TO A DEPTH OF 24" AND COVERED WITH 2" OF MULCH.
 - MULCH SHALL BE SHREDDED HARDWOOD MULCH.
 - BOTTOM OF BIO-RETENTION AREA SHALL BE PLANTED WITH AN EQUAL MIXTURE OF BLUEFLAG IRIS, WOOL GRASS AND PICKEREL WED PLUGS AT 18" ON CENTER OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT. ALL PLANTINGS SHALL COMPLY WITH APPENDIX B.9.3 OF THE R.I. STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL (DECEMBER 2010).
 - BIO-RETENTION AREA PLANTINGS SHALL BE INSTALLED BY A LANDSCAPE CONTRACTOR. SURVIVAL SHALL BE GUARANTEED FOR ONE YEAR.
 - BIO-RETENTION SOIL SHALL HAVE A LOAMY SAND TEXTURE AND CONFORM TO THE FOLLOWING GRADATION:
SAND 85 - 88%
SILT 9 - 12%
CLAY 0 - 2%
ORGANIC MATTER 3 - 5%
 - SEE ADDITIONAL DETAILS ON SHEET C4

- BIO-RETENTION AREA MAINTENANCE PLAN**
- BIO-RETENTION AREA SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL APPROVAL OF CONSTRUCTION. AFTER FINAL APPROVAL THE AREA SHALL BE MAINTAINED BY THE OWNER.
 - DURING THE SIX MONTHS IMMEDIATELY AFTER CONSTRUCTION, BIO-RETENTION AREA SHALL BE INSPECTED FOLLOWING THE FIRST TWO RAIN EVENTS EQUAL TO OR GREATER THAN THE 1-YEAR, 24 HOUR TYPE III STORM EVENT. AFTER THAT PERIOD, IT SHALL BE INSPECTED THREE PER YEAR.
 - SOIL EROSION GULLERS SHALL BE REPAIRED WHEN THEY OCCUR.
 - IF STANDING WATER REMAINS 48 HOURS AFTER A RAINFALL EVENT, THE BOTTOM SHALL BE ROTO-TILLED THEN RE-SEED.
 - MULCH LAYER SHALL BE REPLISHED TO ORIGINAL DEPTH EVERY OTHER YEAR. PREVIOUS MULCH LAYER SHALL BE REMOVED.
 - PRUNING OR REPLACEMENT OF VEGETATION SHOULD OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
 - SILT AND DEBRIS SHALL BE REMOVED WHEN ACCUMULATION EXCEEDS 1".
 - GRASS SHALL BE MOVED THREE TIMES BETWEEN THE MONTHS OF MAY AND OCTOBER. MOWED HEIGHT OF VEGETATION SHALL NOT BE LESS THAN TWO INCHES.

- GRASS FILTER STRIP MAINTENANCE NOTES:**
- ENSURE THAT GRASS HAS ESTABLISHED; IF NOT REPLACE WITH AN ALTERNATIVE SPECIES.
 - FILTER STRIPS SHALL BE INSPECTED AT LEAST QUARTERLY DURING THE FIRST YEAR OF OPERATION AND SEMIANNUALLY THEREAFTER. EVIDENCE OF EROSION AND CONCENTRATED FLOWS WITHIN THE FILTER STRIP MUST BE CORRECTED IMMEDIATELY. ERODED SPOTS MUST BE RESEED AND MULCHED TO ENHANCE WOODRUS GROWTH AND PREVENT FUTURE EROSION PROBLEMS.
 - THE BULK OF ACCUMULATED SEDIMENTS WILL BE TRAPPED AT THE INITIAL ENTRY POINT OF THE FILTER STRIP. THESE SEDIMENTS SHALL BE REMOVED MANUALLY AT LEAST ONCE PER YEAR OR WHEN ACCUMULATING SEDIMENTS CAUSE A CHANGE IN THE GRADE ELEVATION. RESEEDING MAY BE NECESSARY TO REPAIR AREAS DAMAGED DURING THE SEDIMENT REMOVAL PROCESS.
 - FILTER STRIPS MUST BE PROTECTED BY PROPER SOIL EROSION AND SEDIMENT CONTROL TECHNIQUES (e.g., HAY BALES AND SILT FENCES) DURING ALL PHASES OF CONSTRUCTION. THESE MEASURES MUST BE PROPERLY MAINTAINED UNTIL FINAL SITE STABILIZATION AND SUBSEQUENT REMOVAL OF ALL TRAPPED SEDIMENTS HAS OCCURRED.

- GRADING & DRAINAGE NOTES**
- ALL SITE WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS AND STANDARD DETAILS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - GRANITE AND CONCRETE CURBS ARE 6" HIGH, BIT. BERMS ARE 3" HIGH.
 - SEE SHEET C2 FOR LOCATION OF EROSION CONTROL MEASURES.
 - SEE EROSION CONTROL NOTES AND DETAILS ON SHEET C6.
 - STORM DRAINS AND STRUCTURES SHALL BE PROTECTED FROM SILTATION AT ALL TIMES.
 - SEE ARCHITECT'S PLANS FOR LOCATION OF ROOF DOWNSPOUTS & DRAIN CONNECTIONS.
 - GRADING FOR THE DRAINAGE AREA TO THE BIO-RETENTION AREA IS CRITICAL AND MUST BE CONSTRUCTED AS DESIGNED. THE PROJECT SURVEYOR MUST LAY OUT ALL WALK, PAD AND PAVEMENT LOCATIONS AND ELEVATIONS.
 - PROJECT VERTICAL DATUM IS NAVD83. RIDOT IR PLANS ARE ON NAD83 DATUM. TO CONVERT PROJECT ELEVATIONS TO RIDOT DATUM, ADD 0.47'.

- STORMWATER SYSTEM MAINTENANCE PLAN**
- THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE STORMWATER SYSTEM PROTECTION, INSPECTION AND MAINTENANCE PRIOR TO, DURING AND POST CONSTRUCTION UNTIL FINAL ACCEPTANCE OF CONSTRUCTION.
 - BIO-RETENTION BOTTOM SURFACE AREA SHALL BE PROTECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO PREVENT COMPACTION OF BOTTOM AREA.
 - BIO-RETENTION AREA & FILTER STRIP SHALL BE MAINTAINED ACCORDING TO THE FOLLOWING SCHEDULE:
 - THE FILTER STRIP AND BIO-RETENTION AREA SHALL BE INSPECTED TWICE PER YEAR. THEY SHALL ALSO BE INSPECTED AFTER STORMS EQUAL TO OR GREATER THAN THE 1 YEAR, 24 HOUR, TYPE III STORM EVENT.
 - THE GRASS ON THE BIO-RETENTION AREA & FILTER STRIP (BOTTOM & SLOPES) SHALL BE MOVED OR TRIMMED THREE (3) TIMES BETWEEN THE MONTHS OF MAY AND OCTOBER. MOWED HEIGHT OF VEGETATION SHALL NOT BE LESS THAN TWO INCHES.
 - ACCUMULATED SILT AND DEBRIS SHALL BE REMOVED FROM THE GRASS FILTER STRIP AS NEEDED BUT AT LEAST ONCE EVERY YEAR.
 - ACCUMULATED SILT AND DEBRIS SHALL BE REMOVED FROM THE BIO-RETENTION AREA WHEN THE ACCUMULATION EXCEEDS 1 INCH IN DEPTH.
 - THE BIO-RETENTION AREA SHALL BE INSPECTED AT LEAST TWICE PER YEAR.
 - IF STANDING WATER REMAINS 48 HOURS AFTER A RAINFALL EVENT, THE BOTTOM SHALL BE CLEANED, ROTO-TILLED, REGRADED AND RE-VEGETATED & MULCHED.
 - THE BIO-RETENTION AREA MULCH LAYER SHALL BE REPLISHED TO ORIGINAL DEPTH EVERY OTHER YEAR. PREVIOUS MULCH LAYER SHALL BE REMOVED.
 - PRUNING OR REPLACEMENT OF VEGETATION SHOULD OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
 - ALL PAVED AREAS SHALL BE SWEEPED AS NEEDED. ACCUMULATED SILT, SAND & DEBRIS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH STATE REGULATIONS.
 - UPON FINAL ACCEPTANCE OF THE CONSTRUCTION, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ALL DRAINAGE SYSTEM INSPECTION & MAINTENANCE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED 1-1-2016
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NOTE
CONTRACTOR SHALL ADJUST RAMP, STEP AND WALKS ALONG PASCOAG MAIN STREET TO MATCH RIDOT CONTRACT WORK. TOP OF CURB ELEVATIONS NOTED ARE FROM RIDOT PLANS. SEE NOTES ON SHEET 1

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

- LEGEND**
- MN MAGNETIC NAIL FOUND
 - IR IRON ROD FOUND
 - GB GRANITE BOUND FOUND
 - W- EXISTING WATER SERVICE
 - W- EXISTING WATER SERVICE SHUT OFF
 - U- UTILITY POLE
 - STOCKADE FENCE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - CB CATCH BASIN
 - EXISTING SEWER MANHOLE
 - EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - PS PROP. ROOF DOWN SPOUT & DRAIN
 - PS PROP. ROOF DOWN SPOUT & SPLASH BLOCK
 - RD PROP. ROOF DRAIN
 - PROP. SURFACE FLOW DIRECTION

DRAINAGE DATA TABLE

STRUCTURE	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
CB2	419.12'	12" RCP OUT=
CB3	419.35'	12" RCP OUT=415.00'
CB4	419.03'	12" RCP IN=414.94'
CB5	418.82'	12" RCP OUT=416.32'
		12" RCP IN (S)=413.90'
		12" RCP IN (N)=413.70'
		18" RCP IN (W)=413.60'
		18" RCP OUT (E)=413.90'
DMH3	419.20'	

DRAINAGE DATA TABLE

STRUCTURE	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
CB9	422.41'	DRYWELL
CB8	422.13'	8" PVC OUT=420.43'
CB6	421.80'	6" CIP OUT=420.80'
CB7	421.86'	12" CMP OUT=419.66'
		6" PVC IN=420.16'
		6" CIP IN=420.08'
		12" CMP IN=419.81'
		12" CMP OUT=419.81'
DMH10	421.81'	

REVISION

DATE

SCOTT F. MOOREHEAD
REGISTERED PROFESSIONAL ENGINEER

PREPARED FOR:
NEIGHBORHOOD BLACKSTONE
RIVERS VALLEY
719 FRONT STREET SUITE 103
WOONSOCKET, RI 02895
401-762-0985

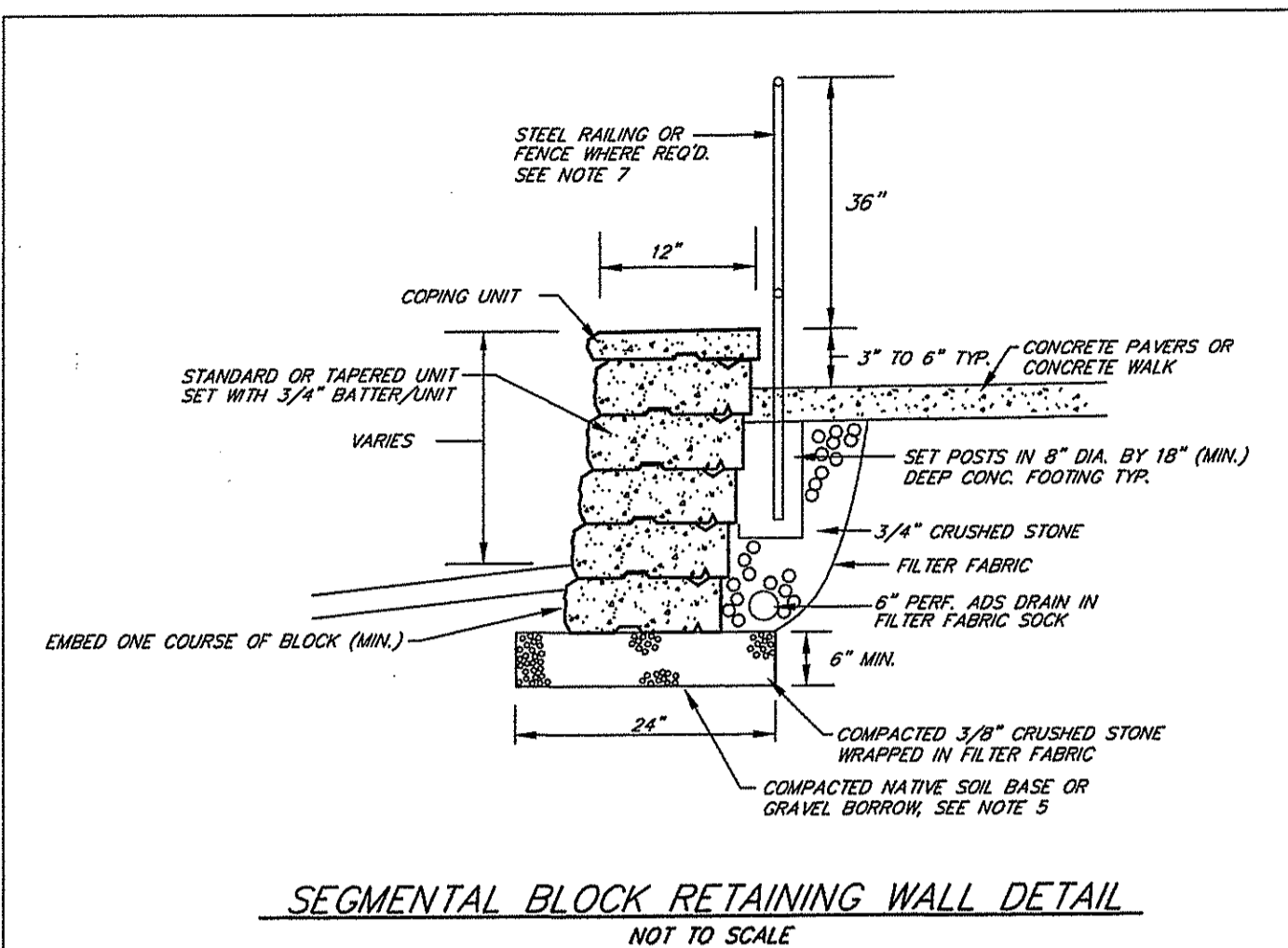
75-81 PASCOAG MAIN STREET
AND 28 PARK PLACE
ASSESSOR'S PLAT 175 LOTS 59, 60 & 61
PASCOAG MAIN STREET & PARK PLACE
BURRILLVILLE, RI

GRADING & DRAINAGE PLAN

SFM
ENGINEERING ASSOCIATES
410 TIOGUE AVENUE
COVENTRY, RI 02816
PHONE: 401-826-3736
FAX: 401-826-1771
SCOTT@SFMENGINEERING.COM

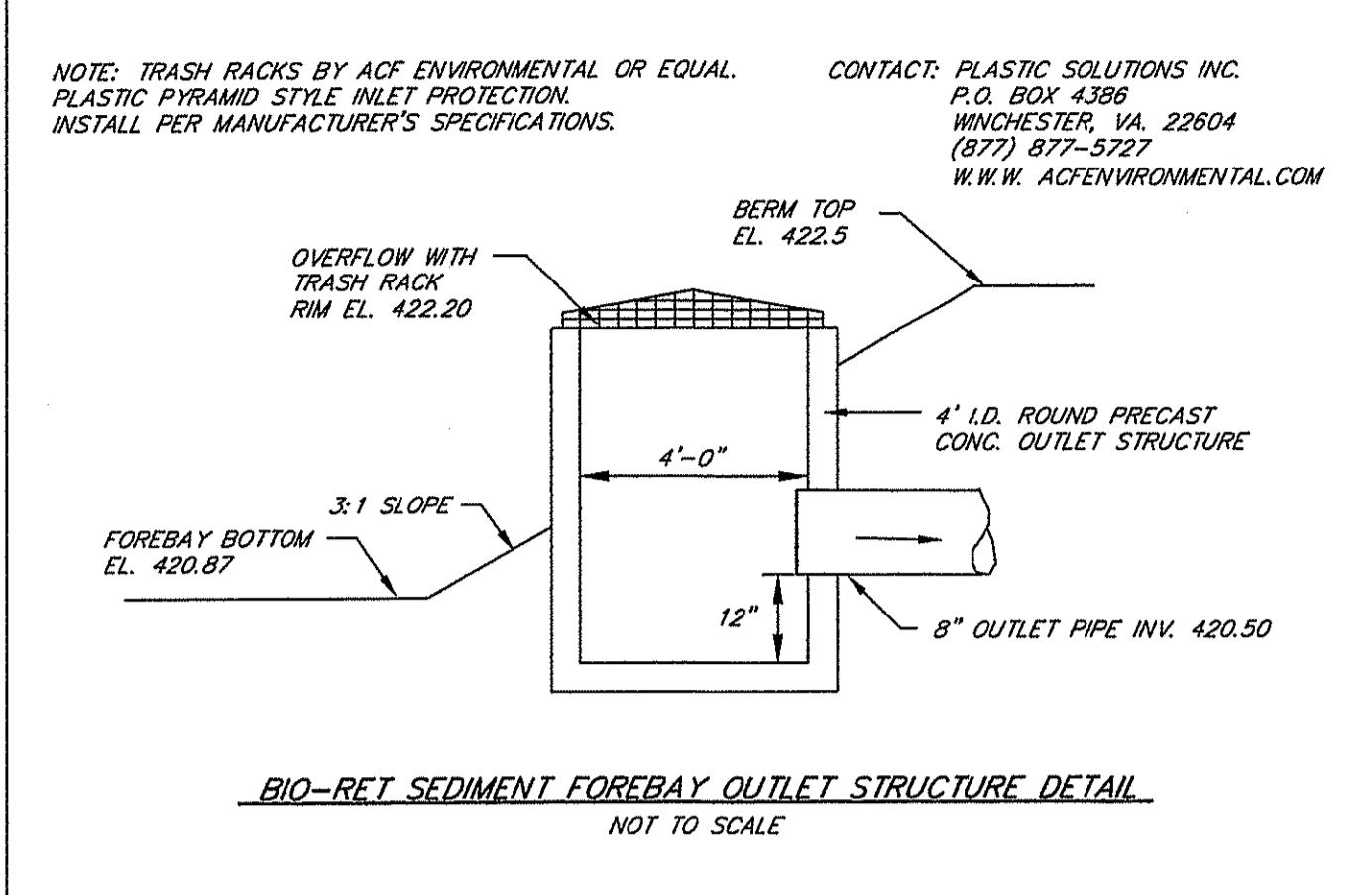
DRN. BY: SFM CHK. BY: JZL
SCALE: 1" = 20'
DATE: JAN. 28, 2016
DWG: SFM258-GP2
SHEET 3 OF 7
DEM WETLAND SUBMISSION

MAR 7 2016

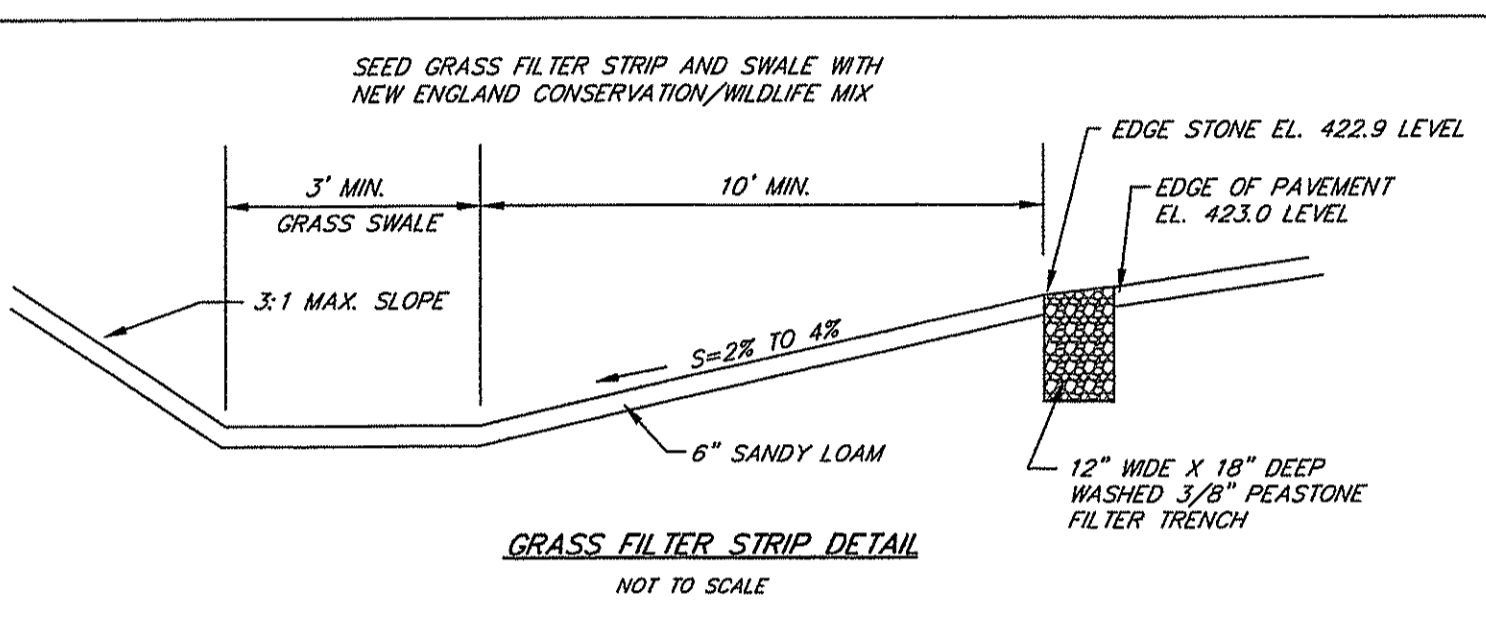


SEGMENTAL BLOCK RETAINING WALL DETAIL
NOT TO SCALE

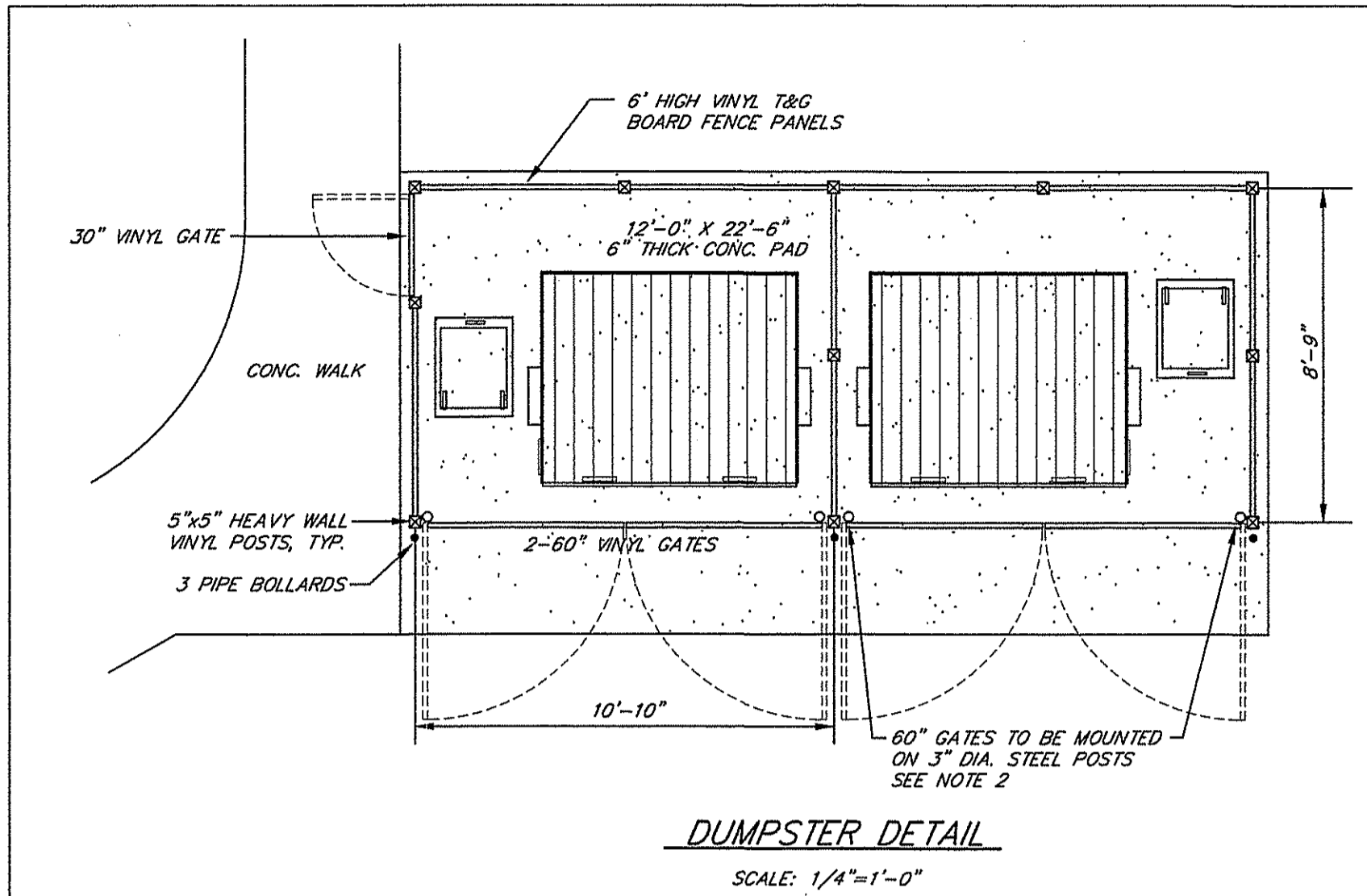
- RETAINING WALL NOTES:**
- RETAINING WALLS SHALL BE PRECAST CONCRETE SEGMENTAL BLOCK VERA-LOK MODAL UNLESS FROM 2' OR OWNER APPROVED EQUAL. COLOR TO BE SELECTED BY OWNER.
 - RETAINING WALLS SHALL BE CONSTRUCTED IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - RIV AND DRAINS TO DRAINAGE SYSTEM.
 - THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE THE WALLS DESIGNED BY A REGISTERED GEOTECHNICAL ENGINEER. WALL DESIGN AND MATERIALS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION. POST CONSTRUCTION CERTIFICATION SHALL BE PROVIDED BY THE GEOTECHNICAL ENGINEER.
 - UNSATURABLE MATERIAL ENCOUNTERED IN THE WALL AREAS SHALL BE REMOVED AND REPLACED WITH COMPACTED GRAVEL BORROW APPROVED BY THE GEOTECHNICAL ENGINEER.
 - WALL DETAILS ARE SHOWN FOR DESIGN INVENT ONLY. WALL CONSTRUCTION SHALL COMPLY WITH THE DESIGN DETAILS PROVIDED BY THE GEOTECHNICAL ENGINEER.
 - PEDESTRIAN RAILINGS OR FENCE SHALL BE PROVIDED FOR ALL WALLS HIGHER THAN 30\"/>



BIO-RET SEDIMENT FOREBAY OUTLET STRUCTURE DETAIL
NOT TO SCALE

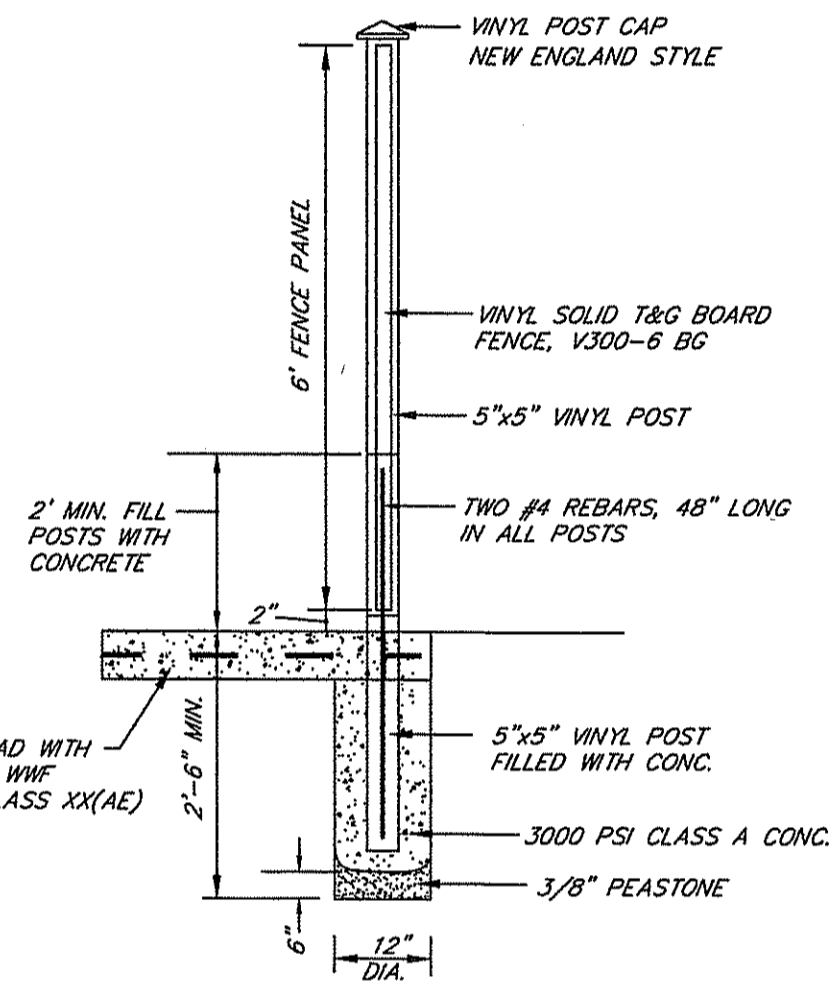


GRASS FILTER STRIP DETAIL
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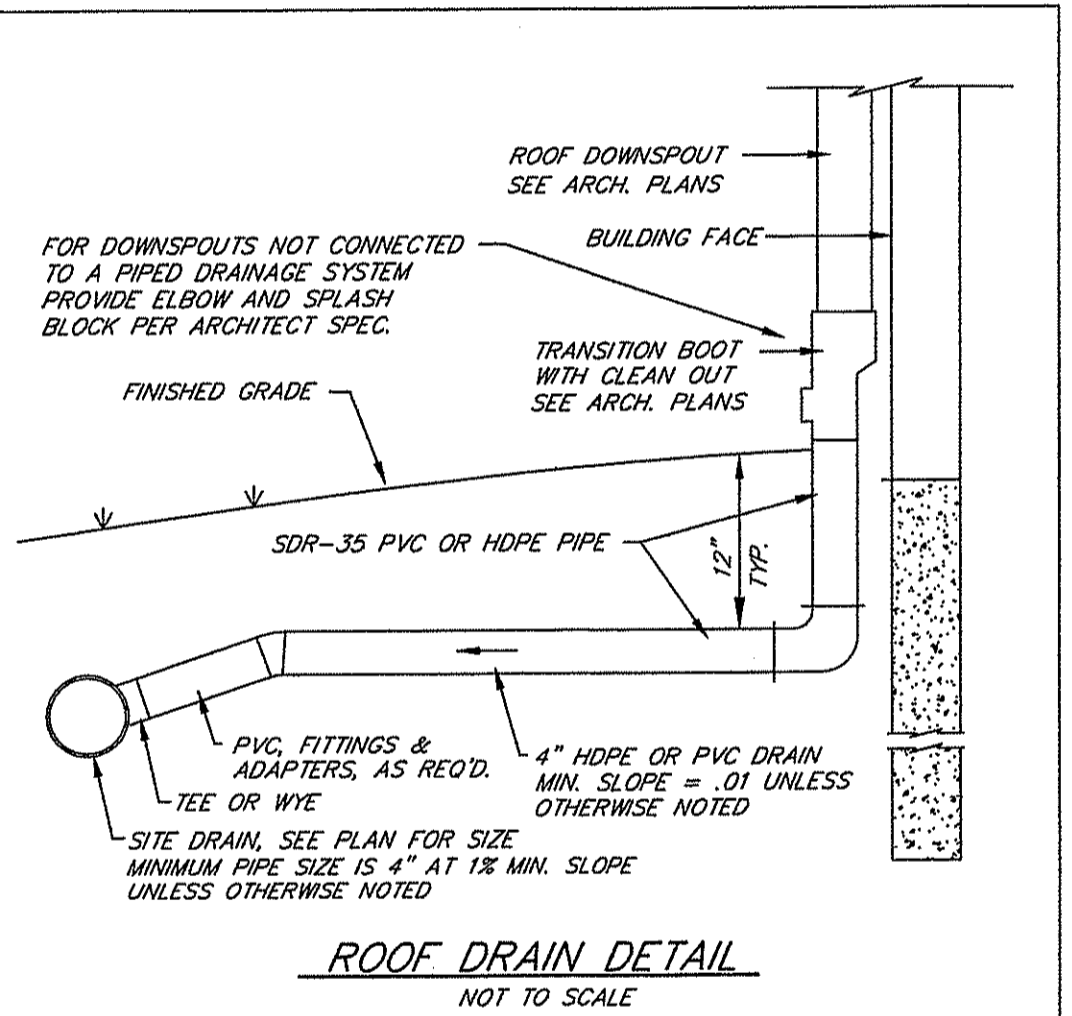
DUMPSTER DETAIL
SCALE: 1/4\"/>

- DUMPSTER NOTES:**
- VINYL FENCE SHALL BE 6\"/>

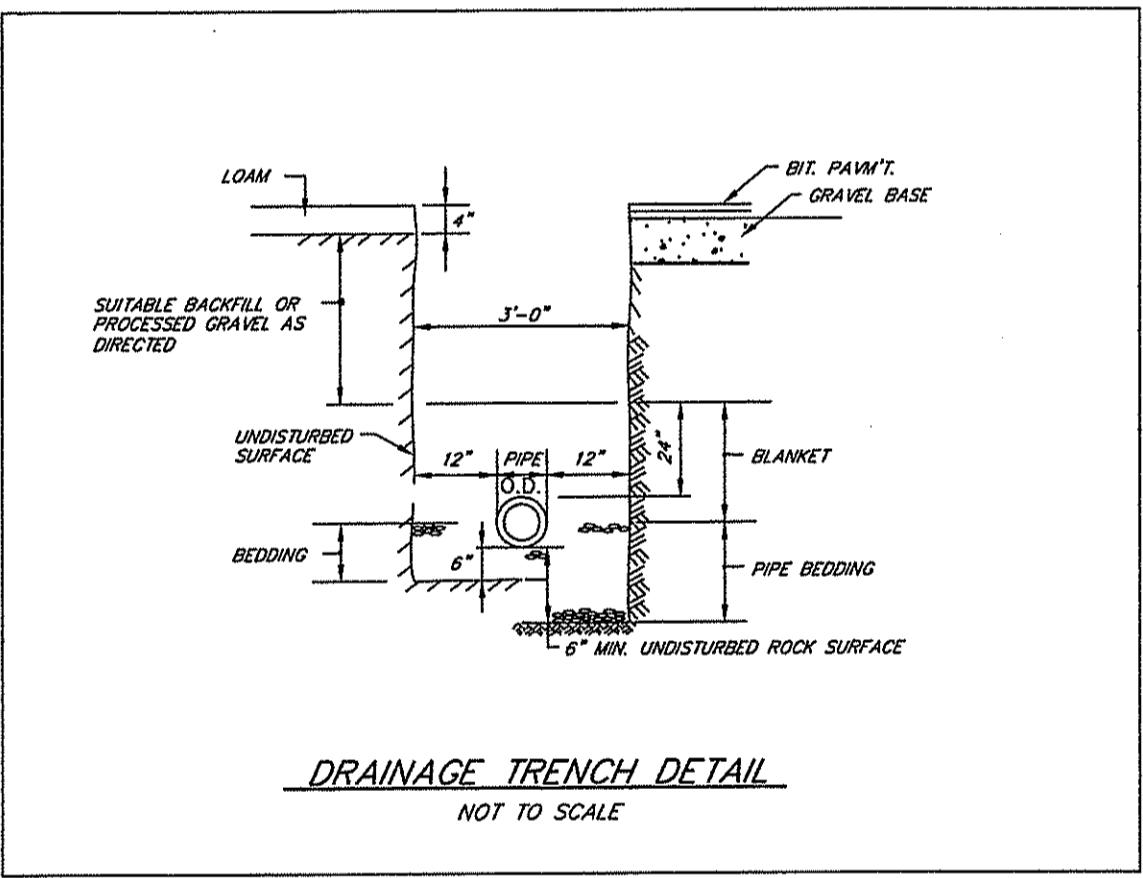


DUMPSTER FENCE DETAIL
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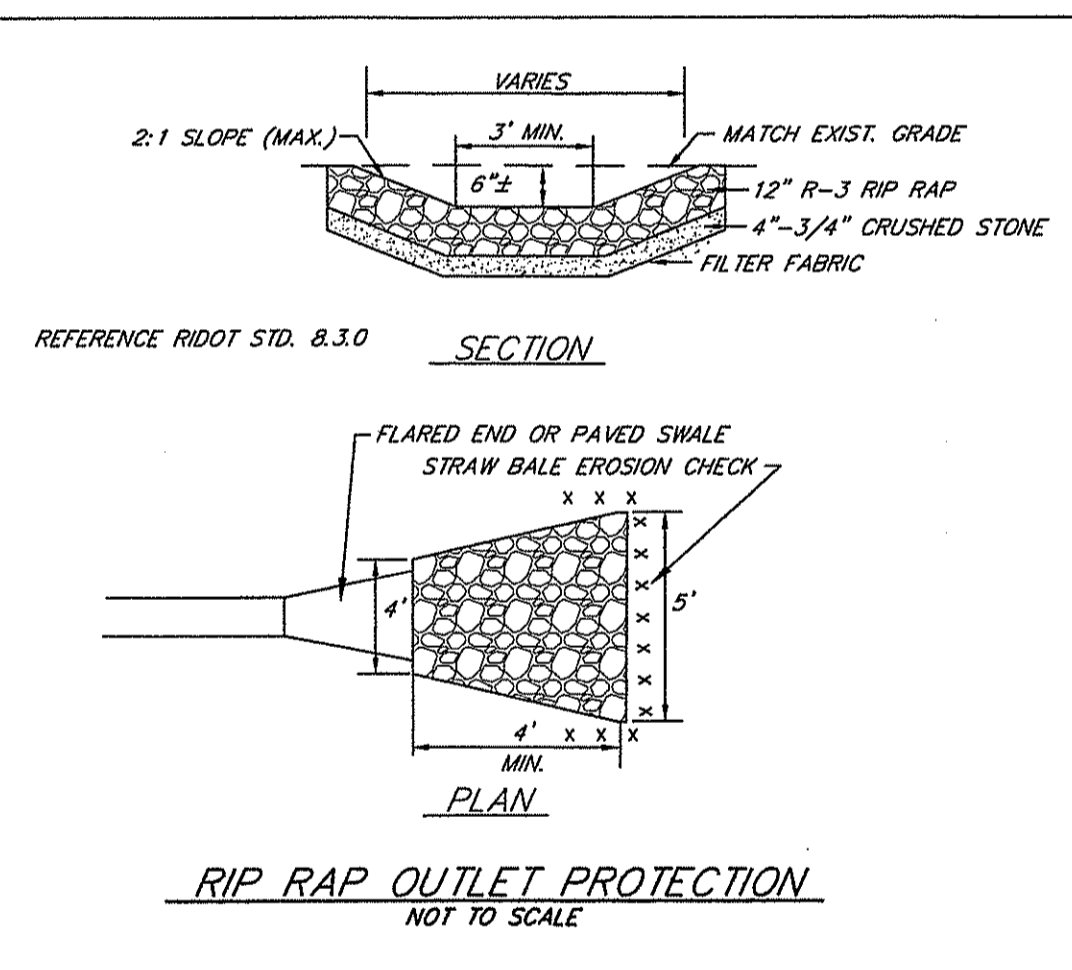
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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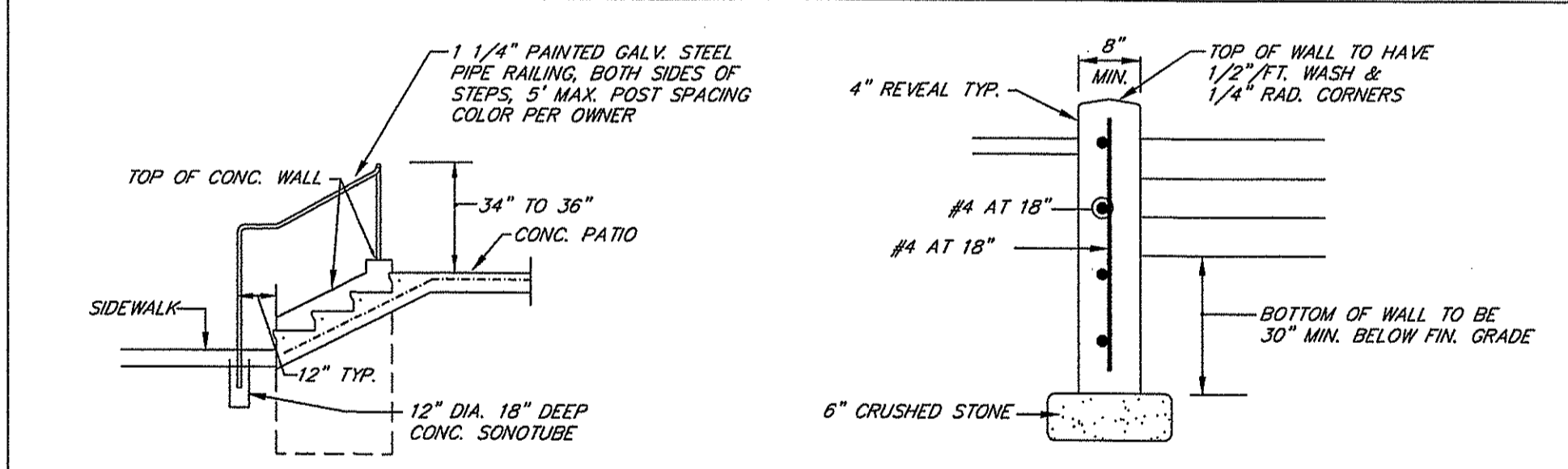
ROOF DRAIN DETAIL
NOT TO SCALE



DRAINAGE TRENCH DETAIL
NOT TO SCALE

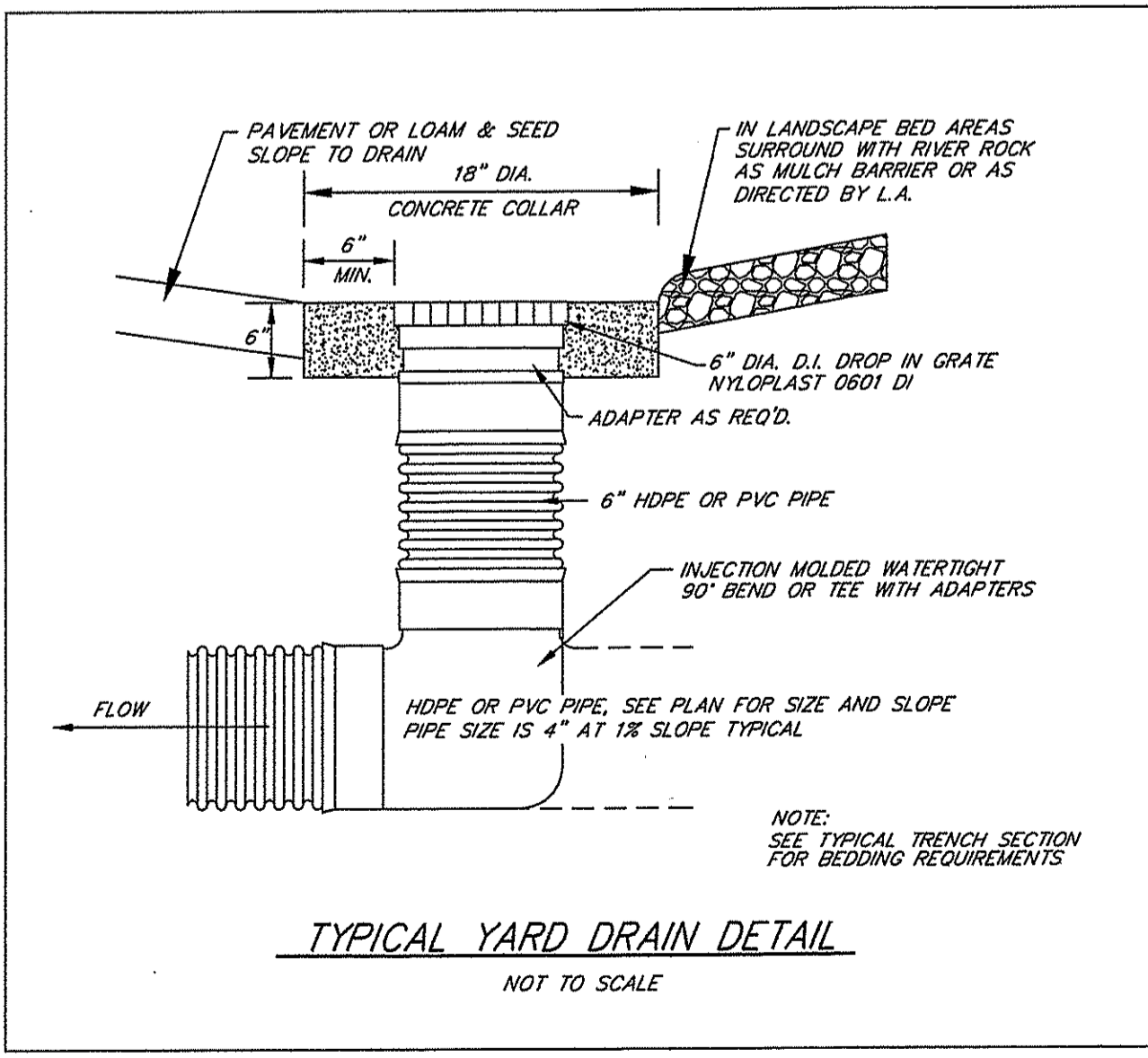


RIP RAP OUTLET PROTECTION
NOT TO SCALE

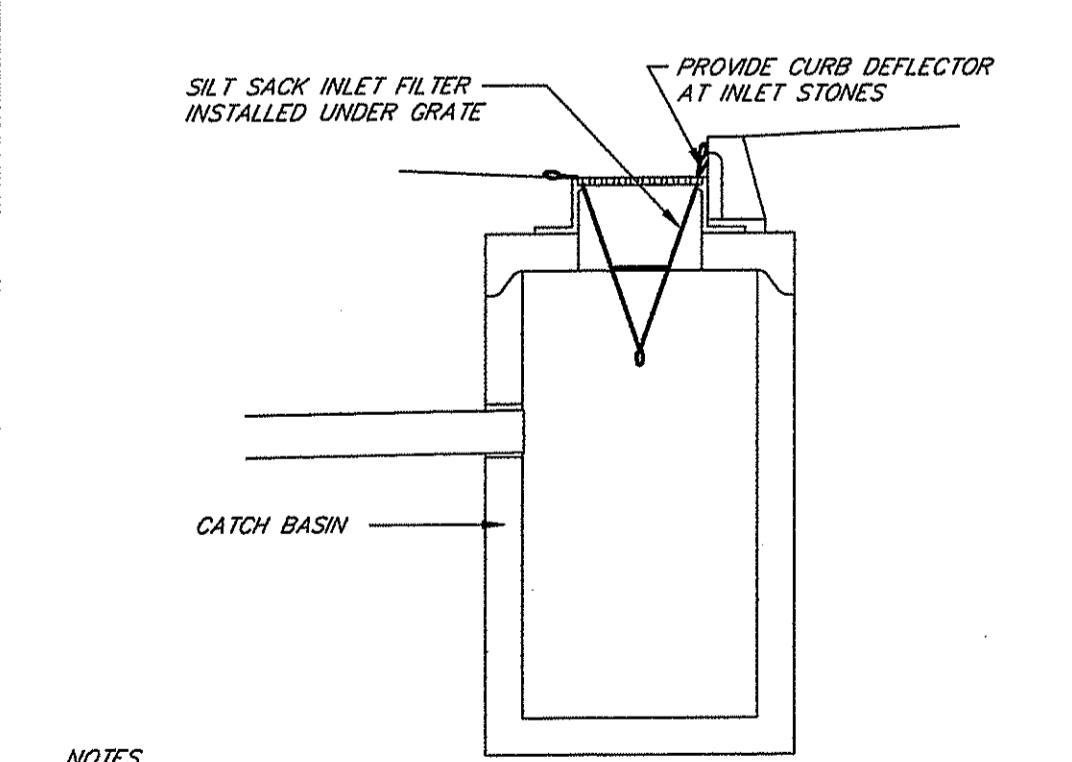


CONC. STEP DETAIL
SCALE: 1/4\"/>

CONC. STEP WALL DETAIL
SCALE: 1\"/>



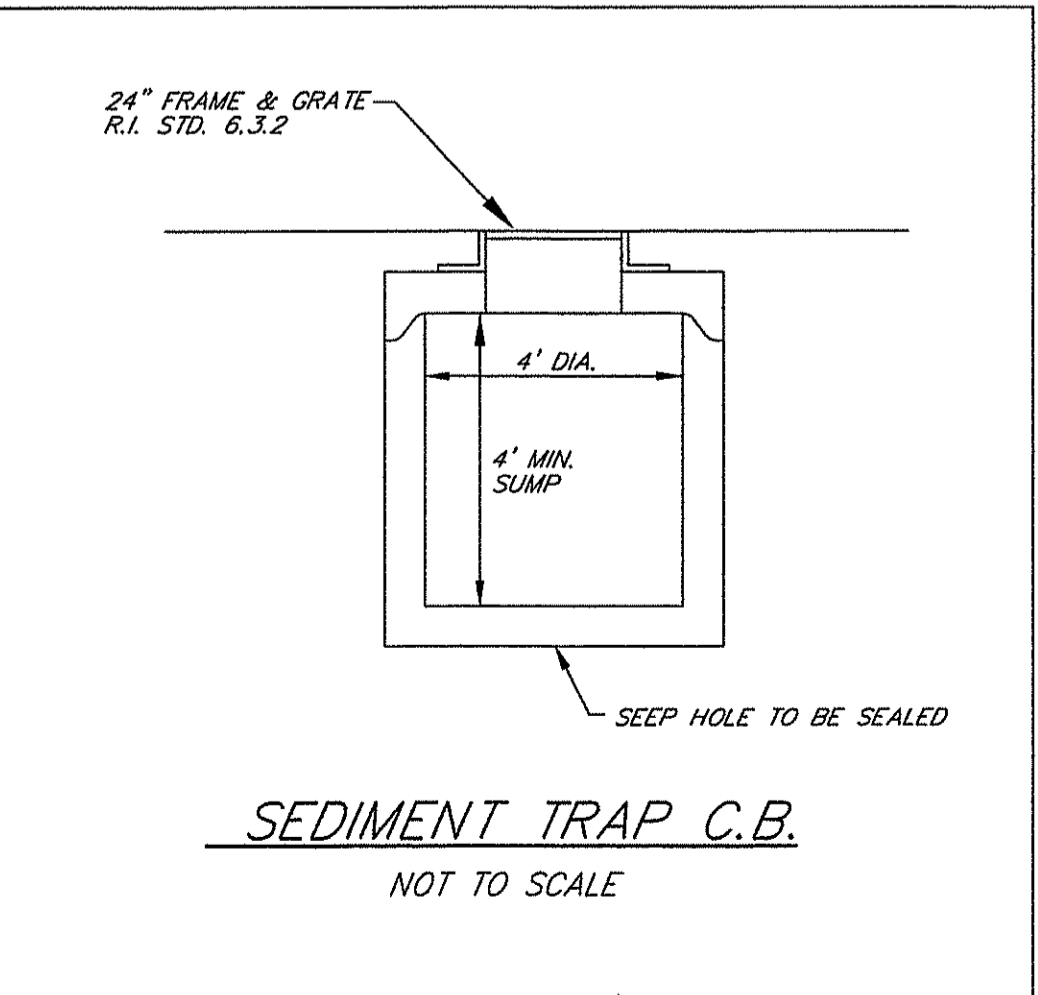
TYPICAL YARD DRAIN DETAIL
NOT TO SCALE



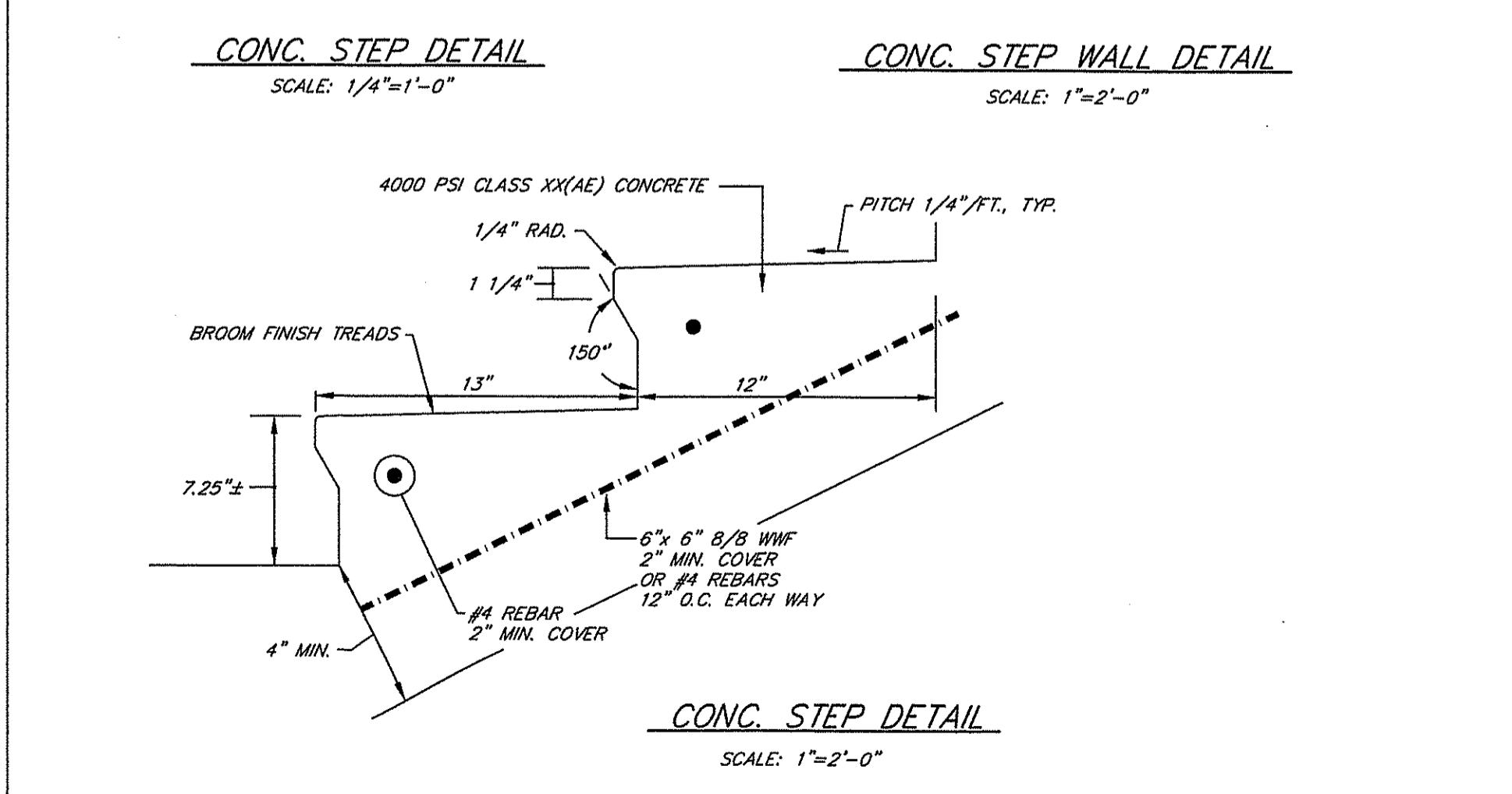
- NOTES:**
- INLET FILTER SHALL BE HIGH-FLOW SILT SACK WITHOUT OVERFLOW OPENINGS BY ACF ENVIRONMENTAL OR APPROVED EQUAL.
 - USE TYPE A FOR 4\"/>

CATCH BASIN SEDIMENT FILTER
NOT TO SCALE

CONTACT: ACF ENVIRONMENTAL
WWW.ACFENVIRONMENTAL.COM
TOLL FREE: (800) 448-3636



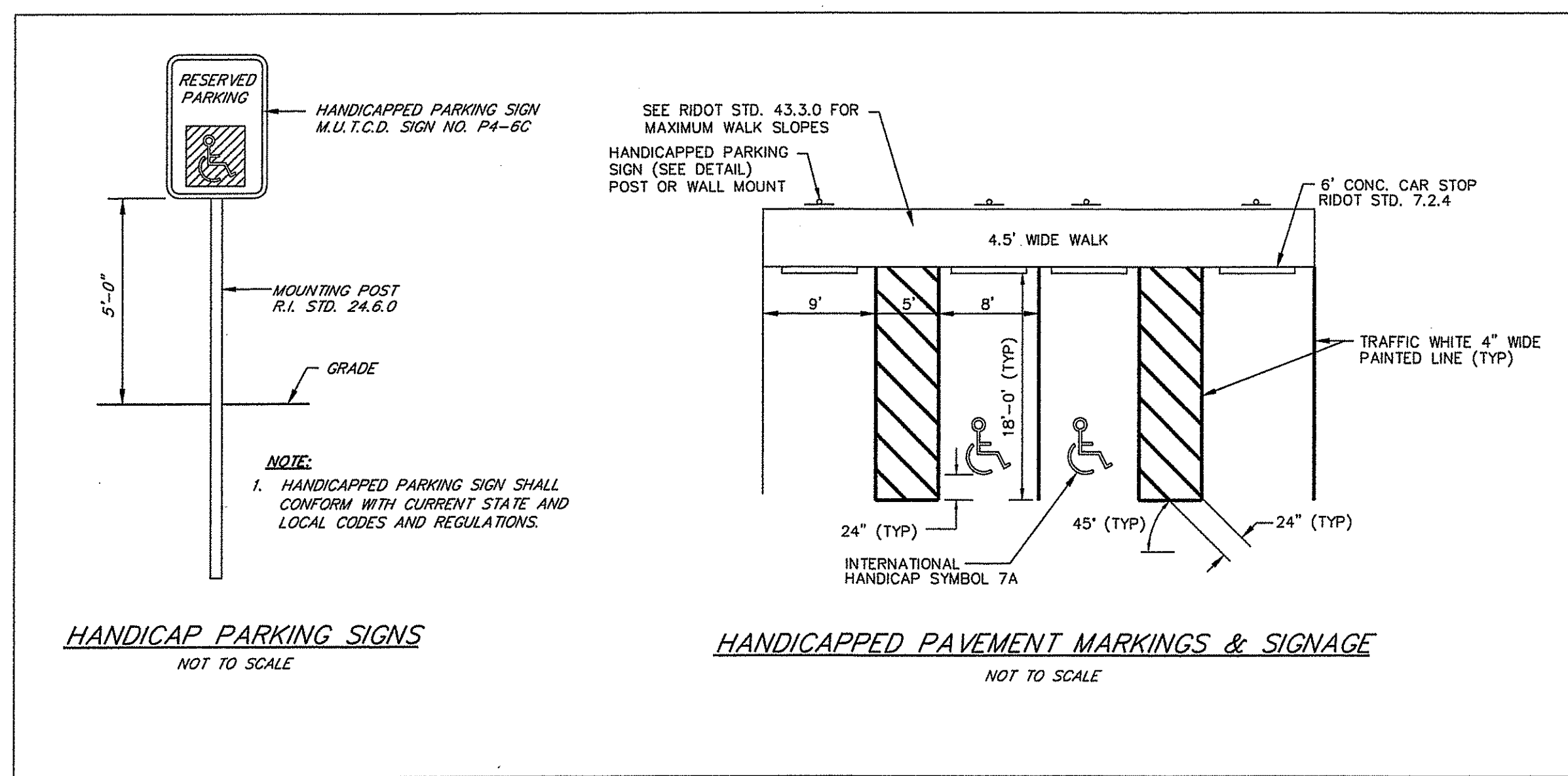
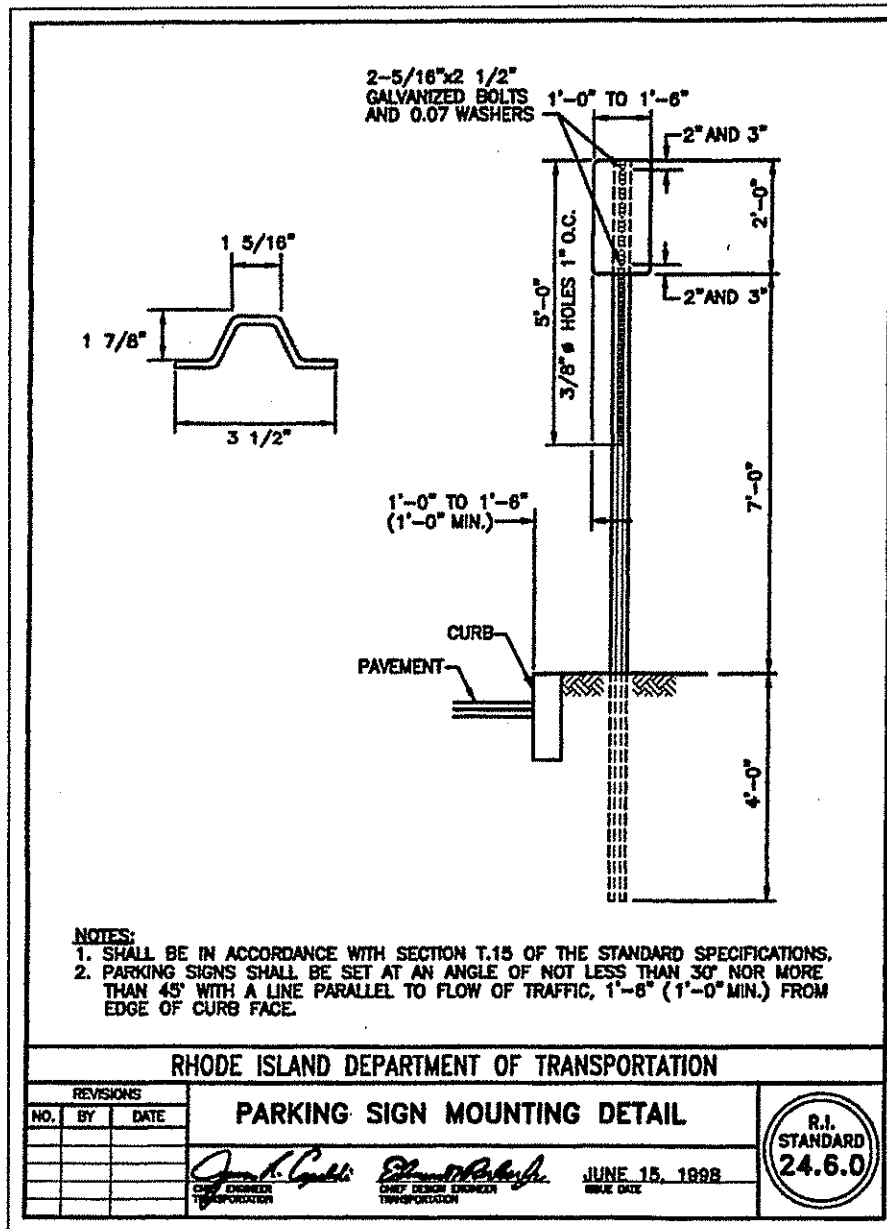
SEDIMENT TRAP C.B.
NOT TO SCALE



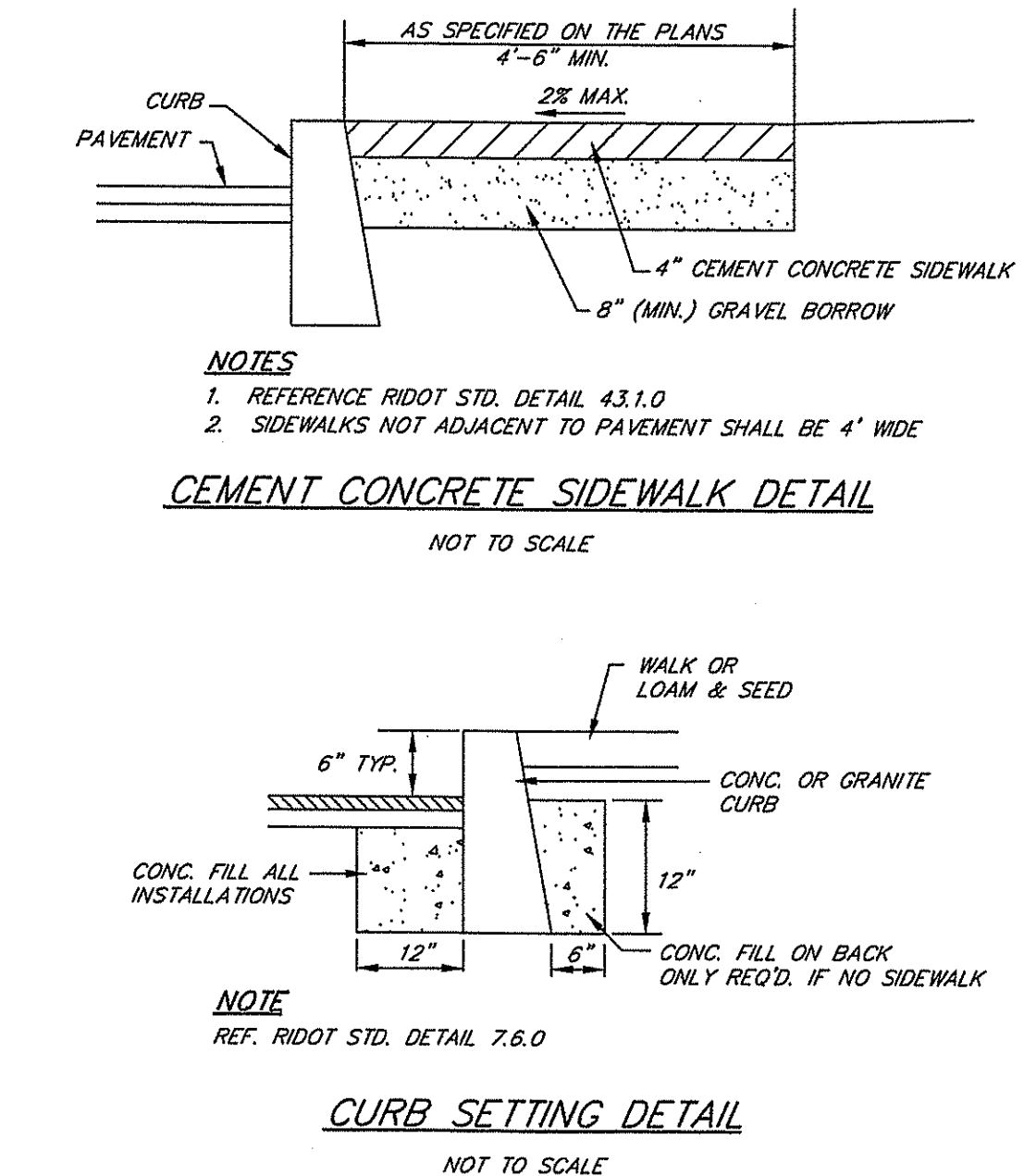
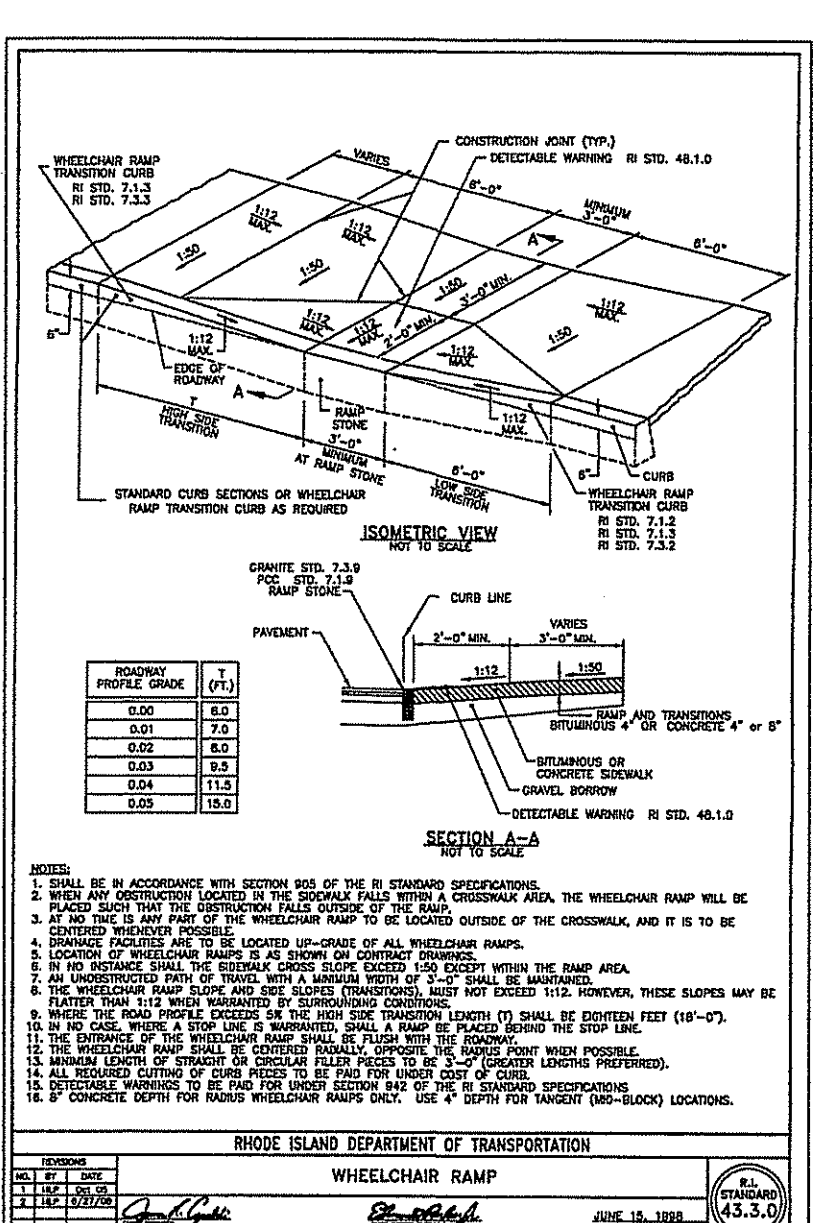
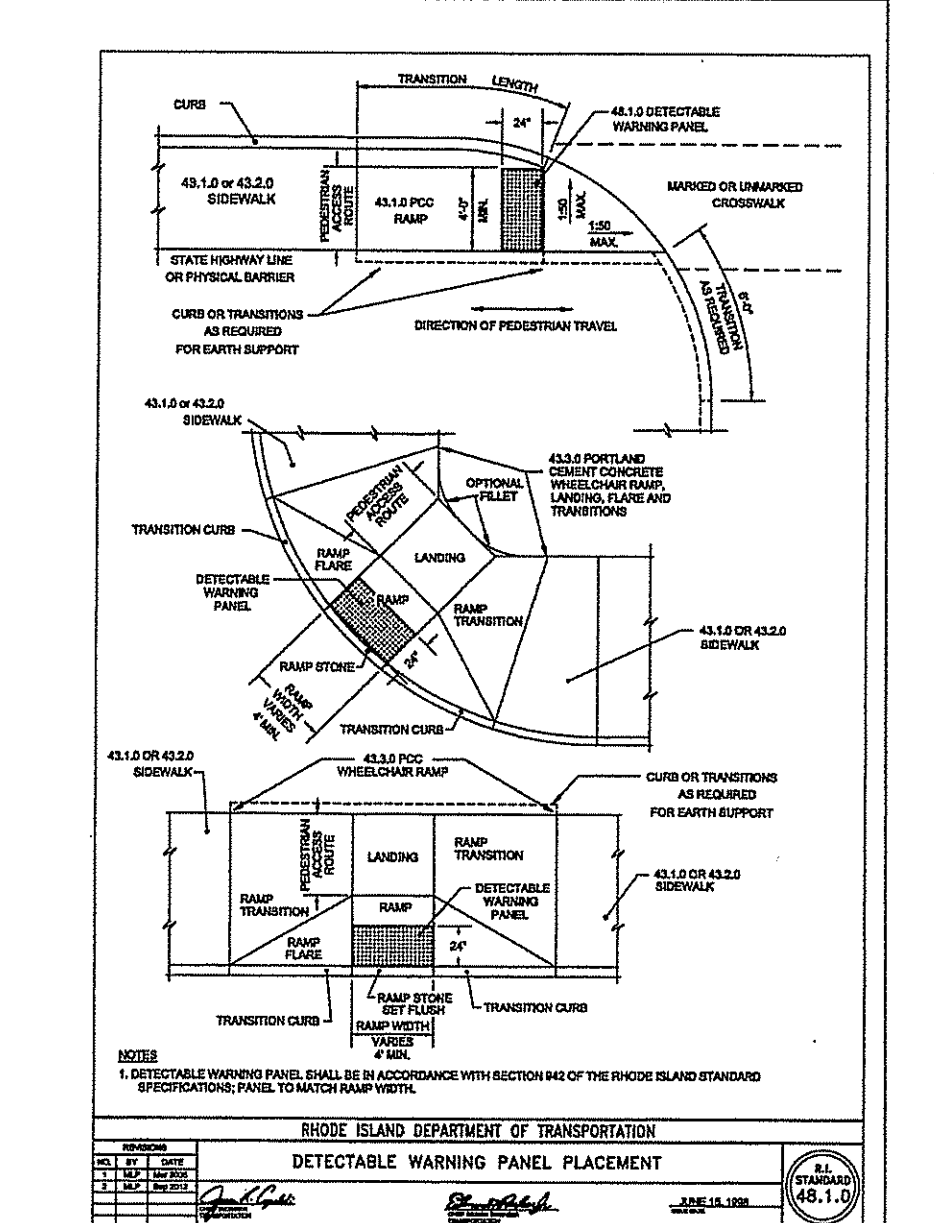
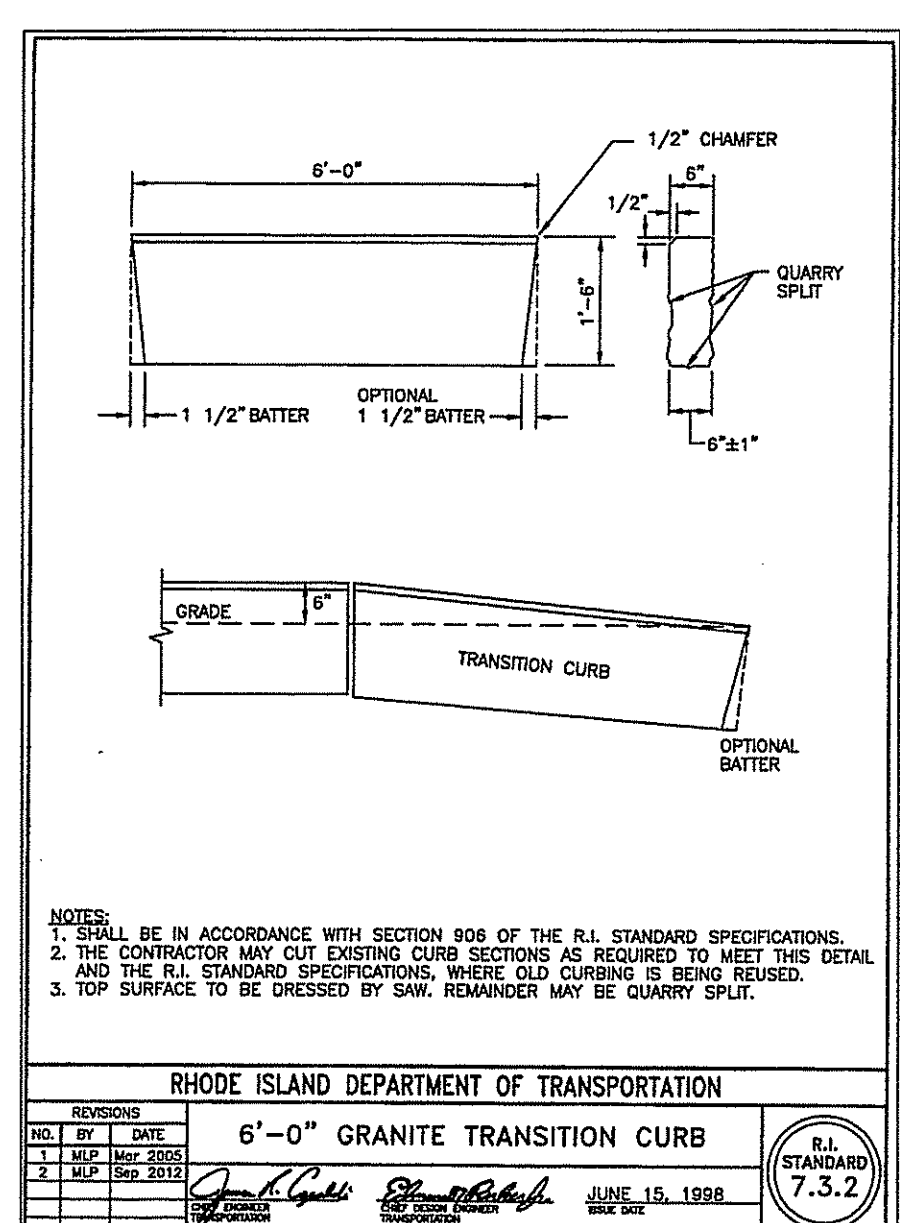
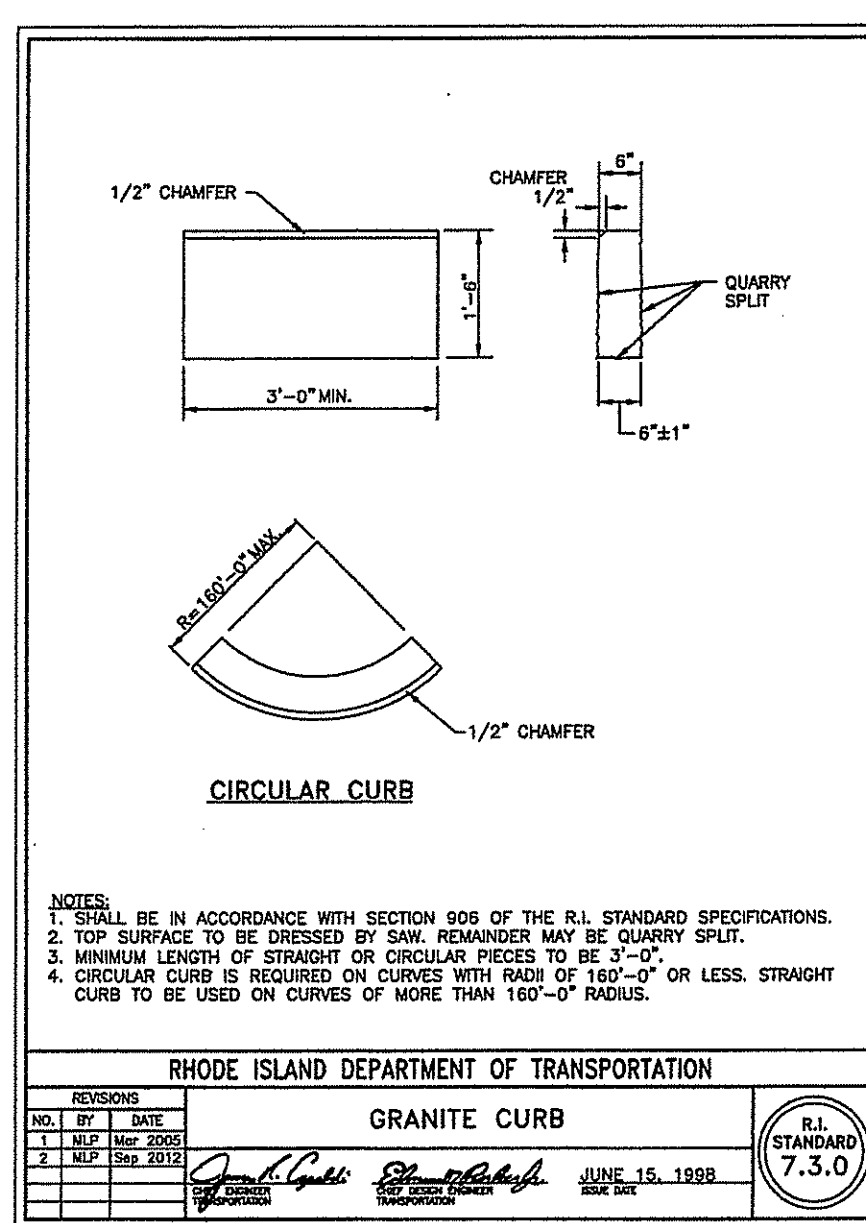
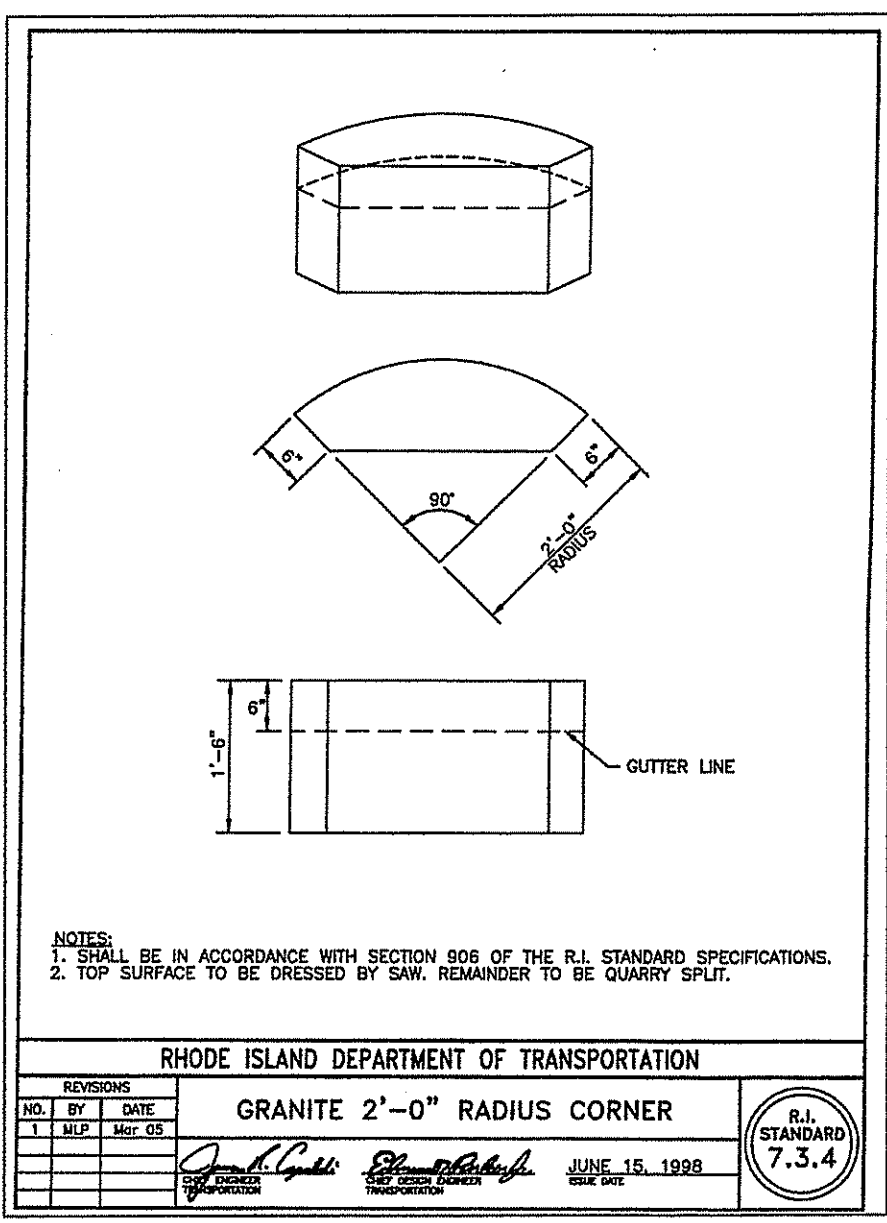
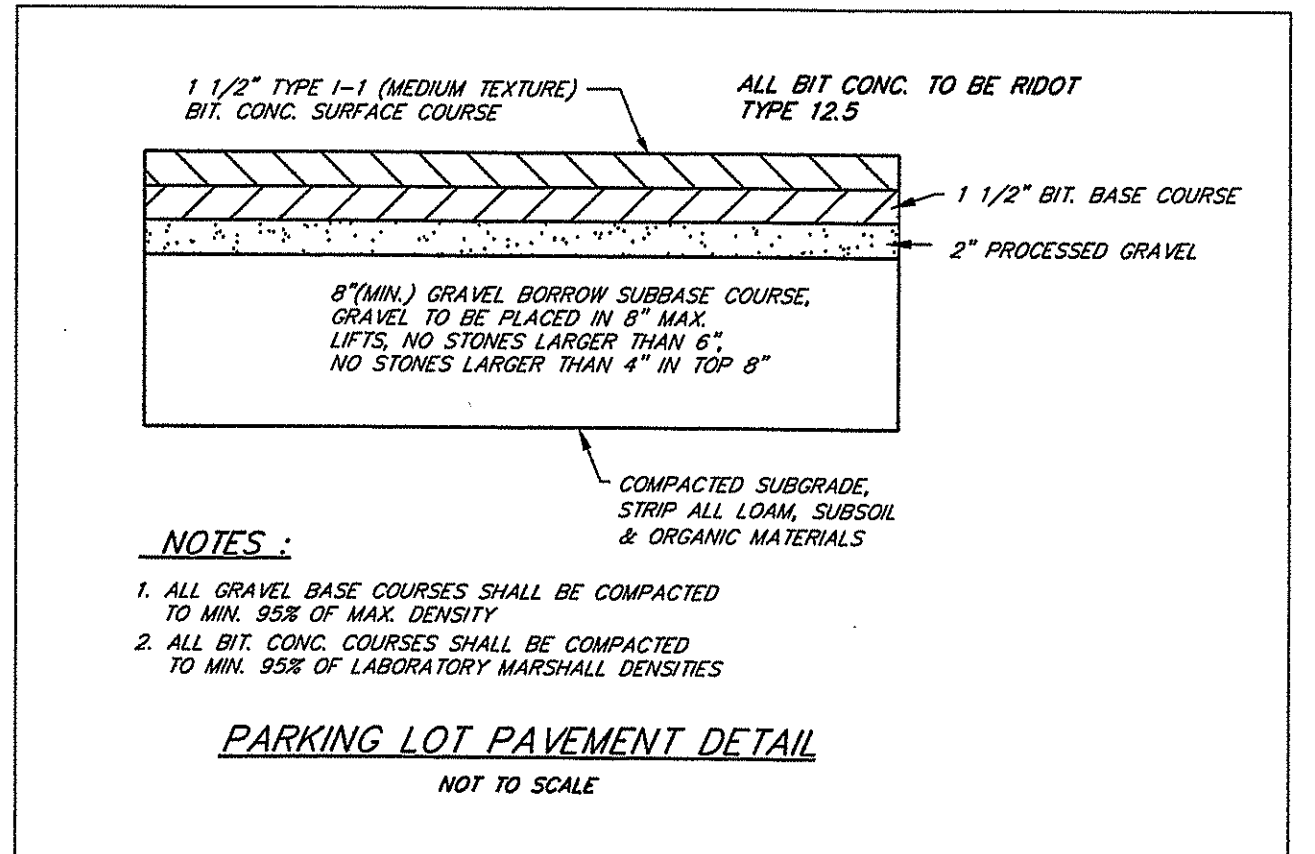
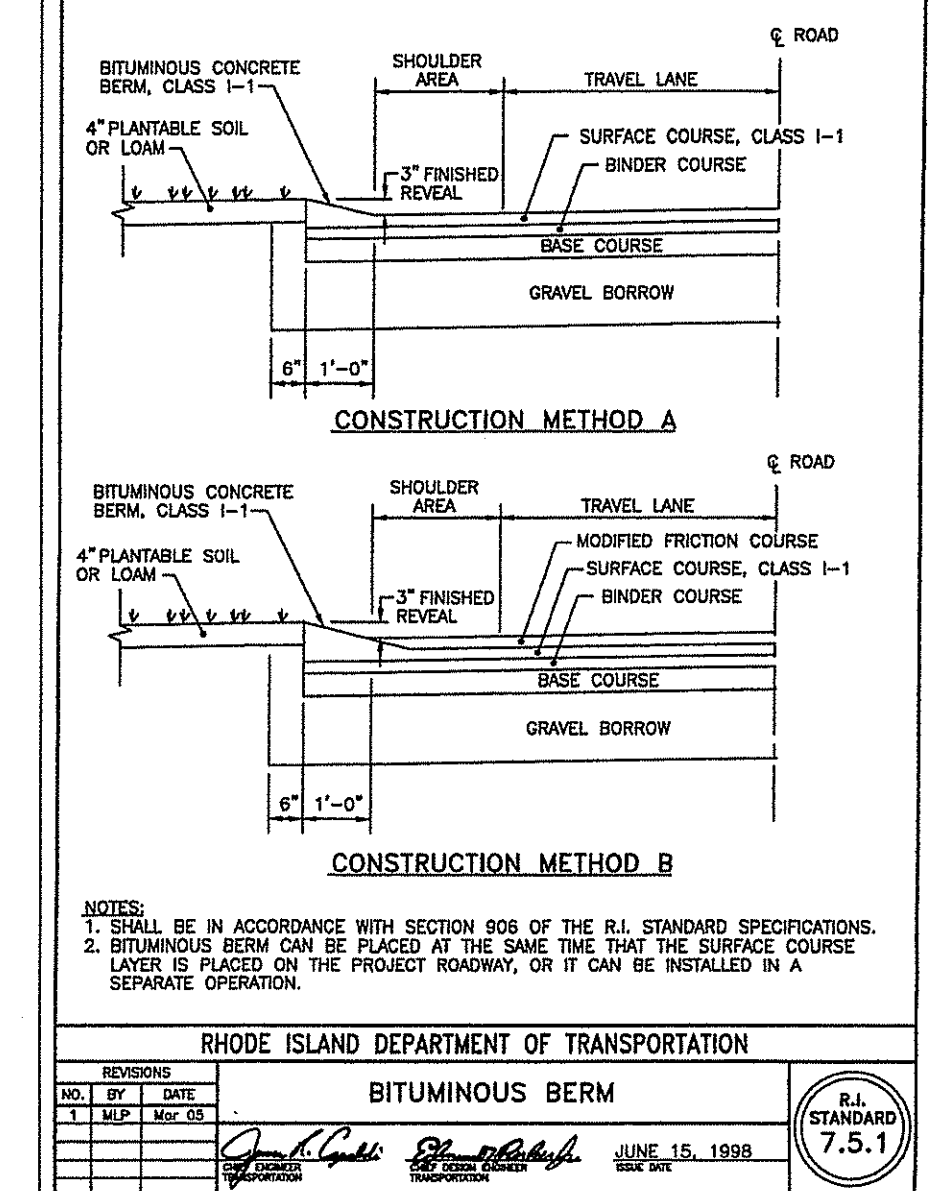
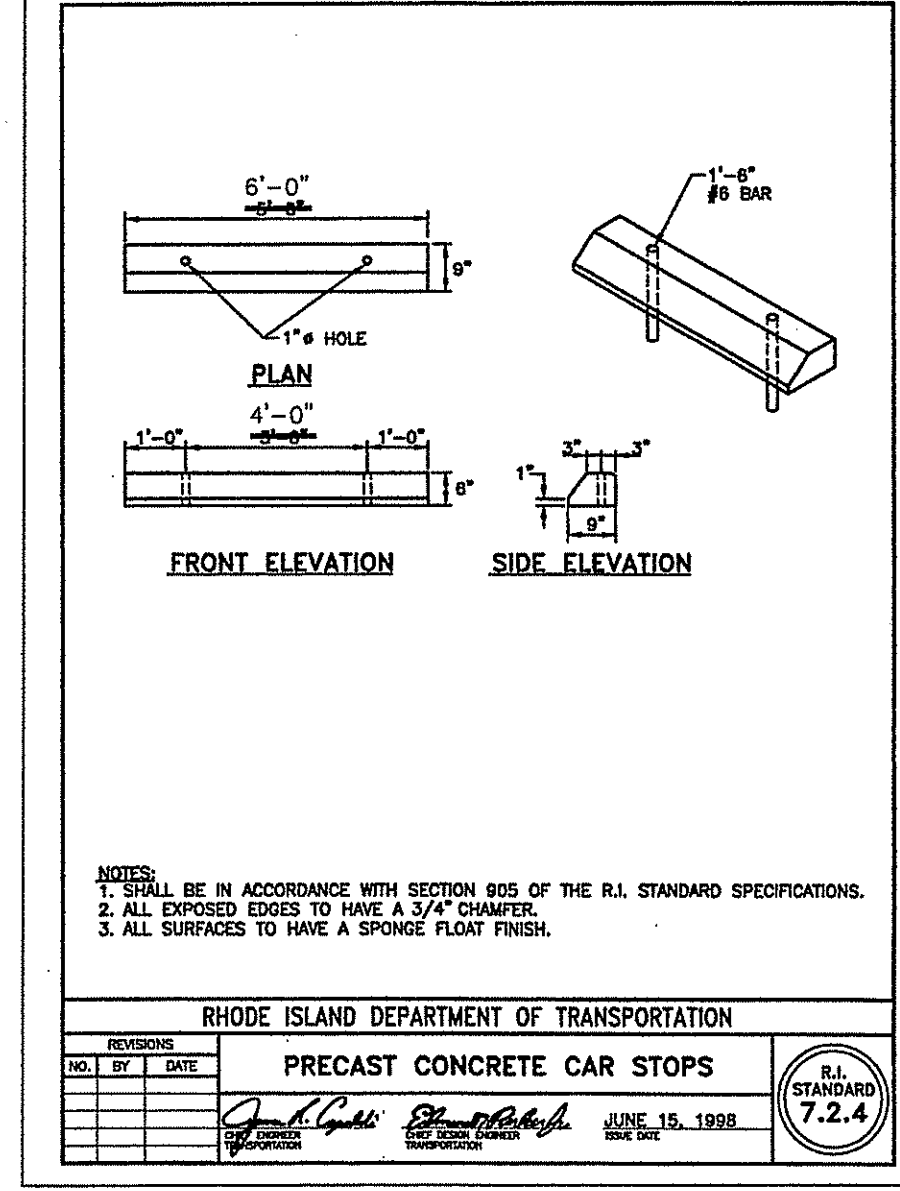
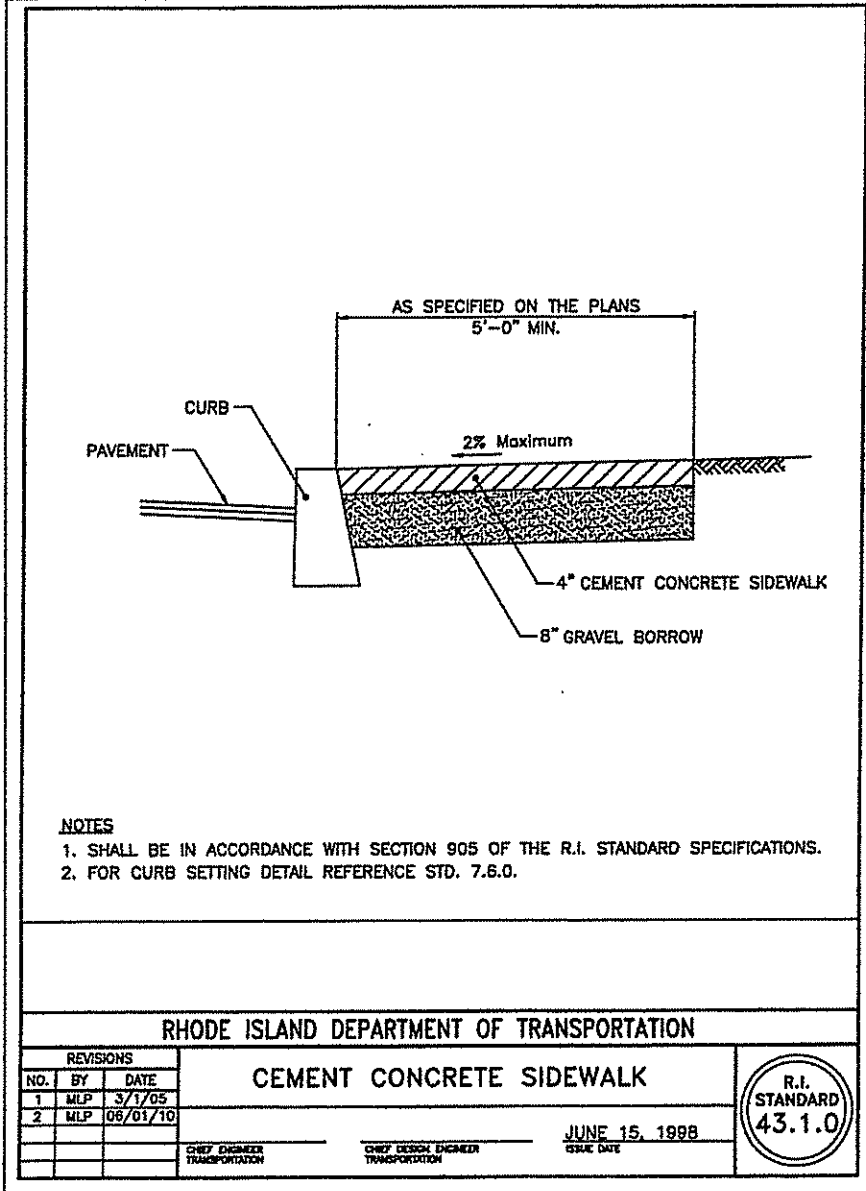
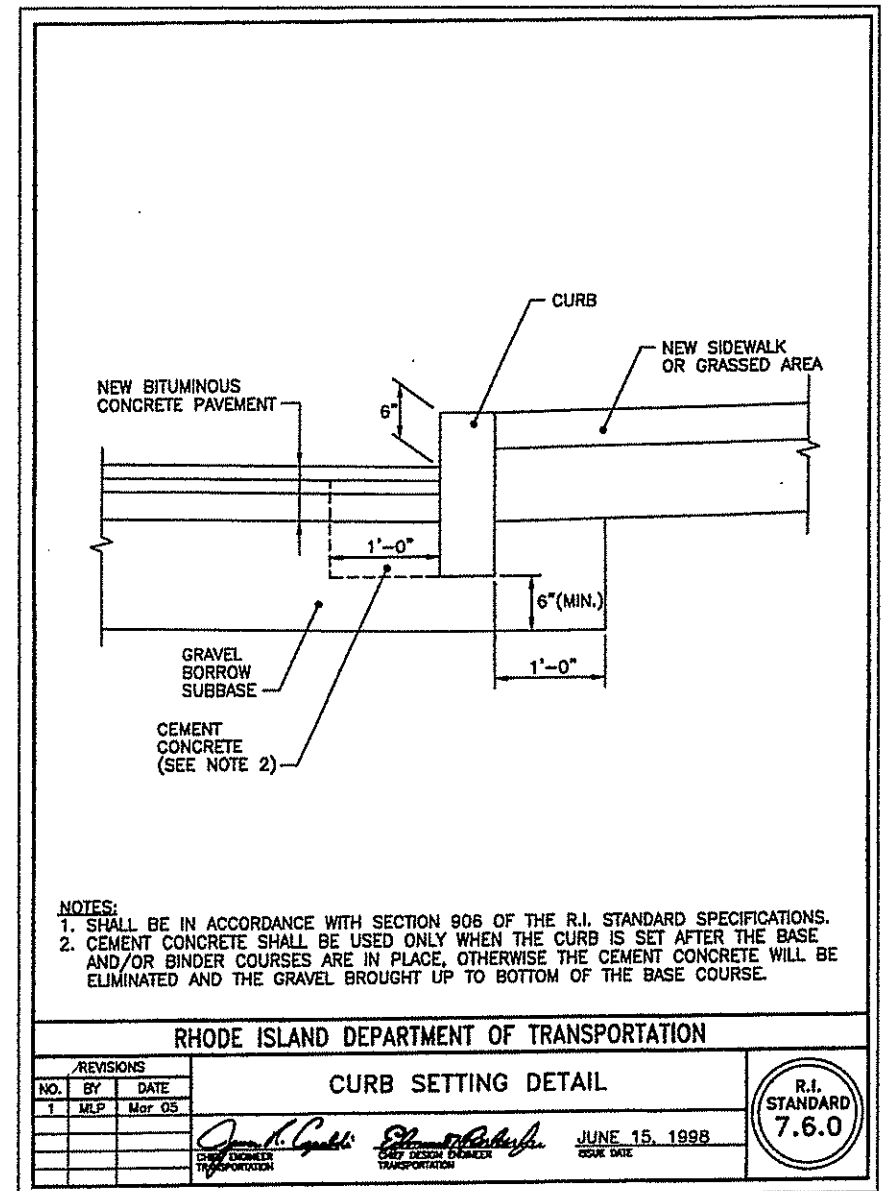
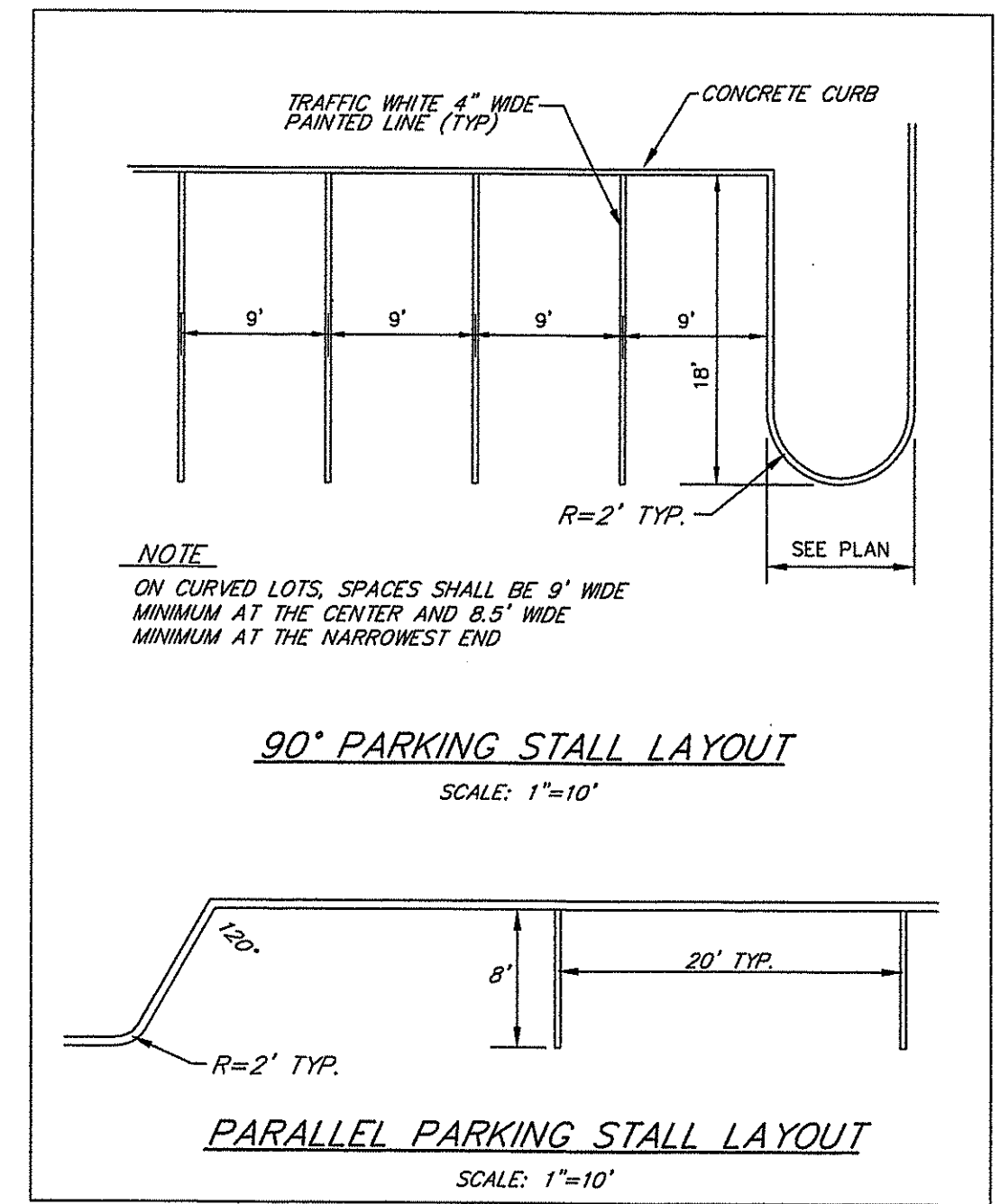
CONC. STEP DETAIL
SCALE: 1\"/>

REVISION	
DATE	
PREPARED FOR: NEIGHBORHOODS BLACKSTONE RIVER VALLEY 719 FRONT STREET SUITE 103 WOODSOCK, RI 02895 401-762-0995	
75-81 PASCOAG MAIN STREET AND 28 PARK PLACE ASSESSOR'S PLAT 175 LOTS 59, 60 & 61 PASCOAG MAIN STREET & PARK PLACE BURRILLVILLE, RI	
SITE CONSTRUCTION DETAILS - 1	
SFM ENGINEERING ASSOCIATES 410 TIOGUE AVENUE COVENTRY, RI 02816 PHONE: 401-826-5736 FAX: 401-826-1711 SCOTT@SFM.NE.COM	
DRN. BY: SFM CHK. BY: JZL SCALE: 1" = 20' DATE: JAN. 28, 2016 DWG: SFM825B-CD SHEET 4 OF 7	
DEM WETLAND SUBMISSION	

MAR 7 2016



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 11 2016 FILE # 16-0019
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



REVISION

DATE

SCOTT F. MOOREHEAD
REGISTERED PROFESSIONAL ENGINEER

PREPARED FOR:
NEIGHBORHOODS BLACKSTONE
RIVER VALLEY
719 FRONT STREET SUITE 103
WOONSOCKET, RI 02895
401-762-0993

75-81 PASCOAG MAIN STREET
AND 28 PARK PLACE
ASSESSOR'S PLAT 175 LOTS 59, 60 & 61
PASCOAG MAIN STREET & PARK PLACE
BURRILLVILLE, RI

SFM ENGINEERING ASSOCIATES
410 TIGUE AVENUE
COVENTRY, RI 02816
PHONE: 401-826-3736
FAX: 401-826-1711
SCOTT@SFM.NECONMAIL.COM

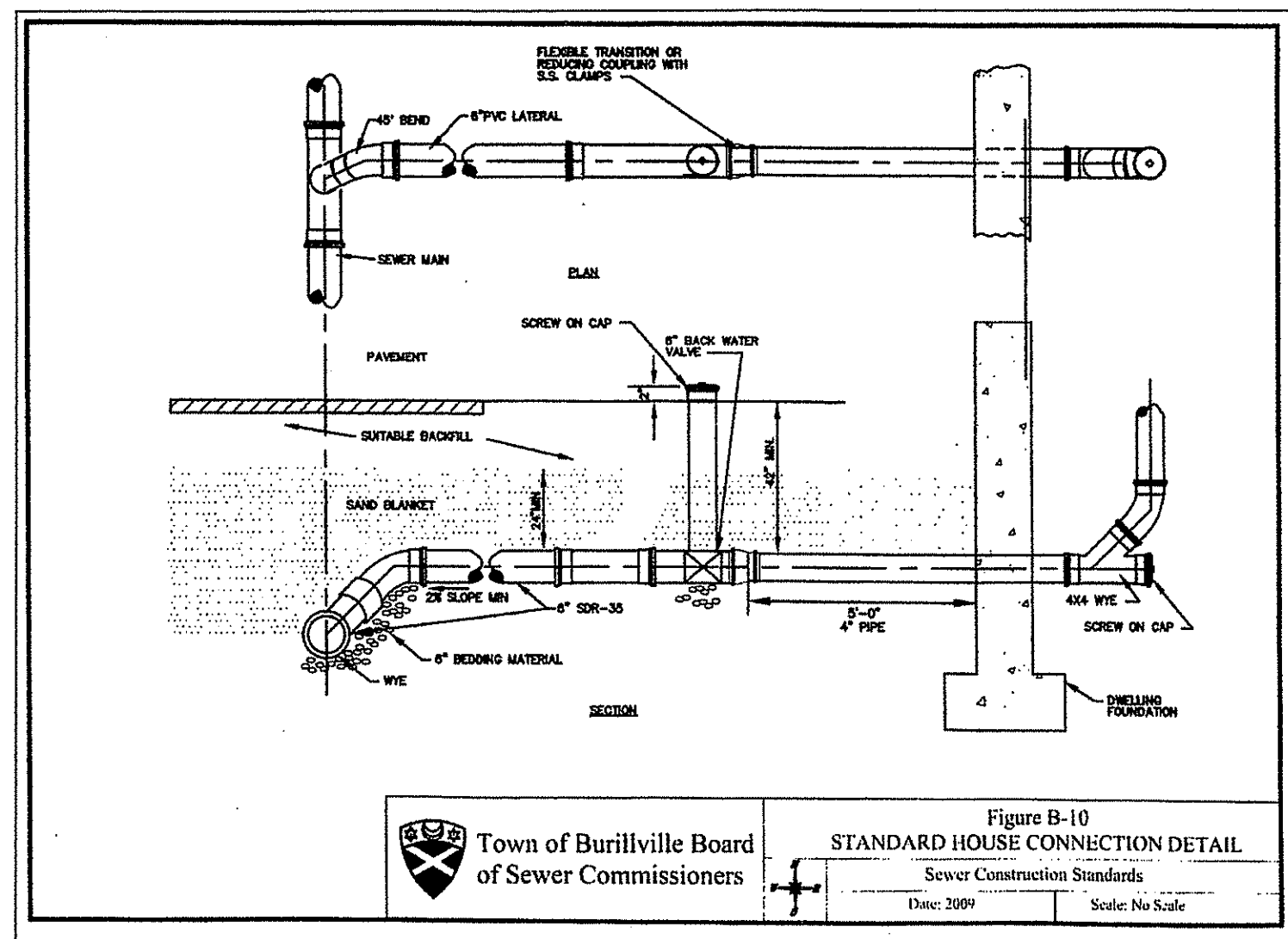
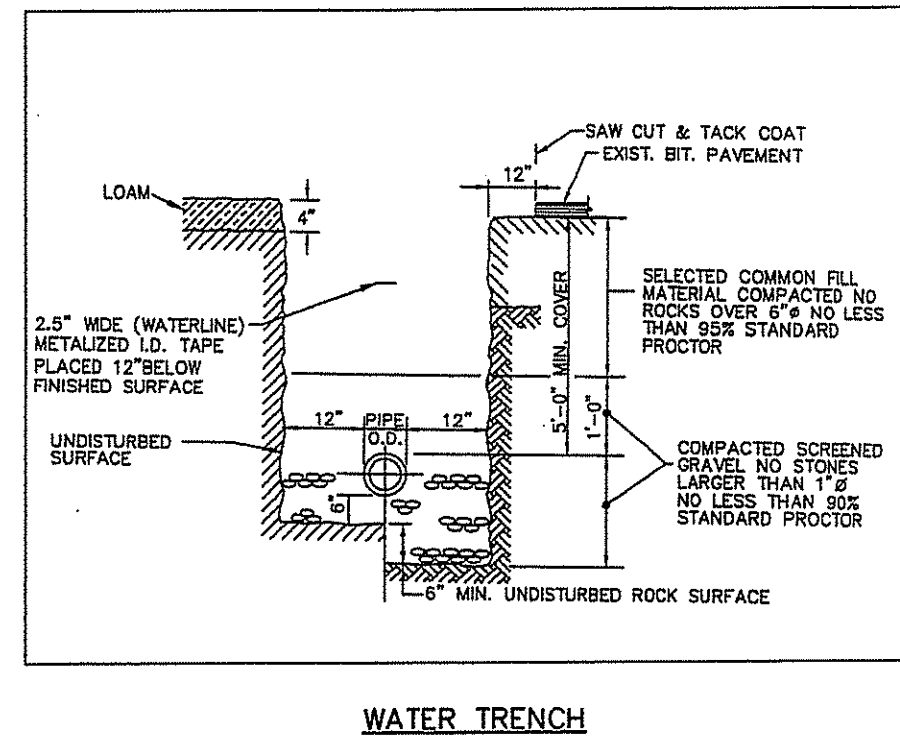
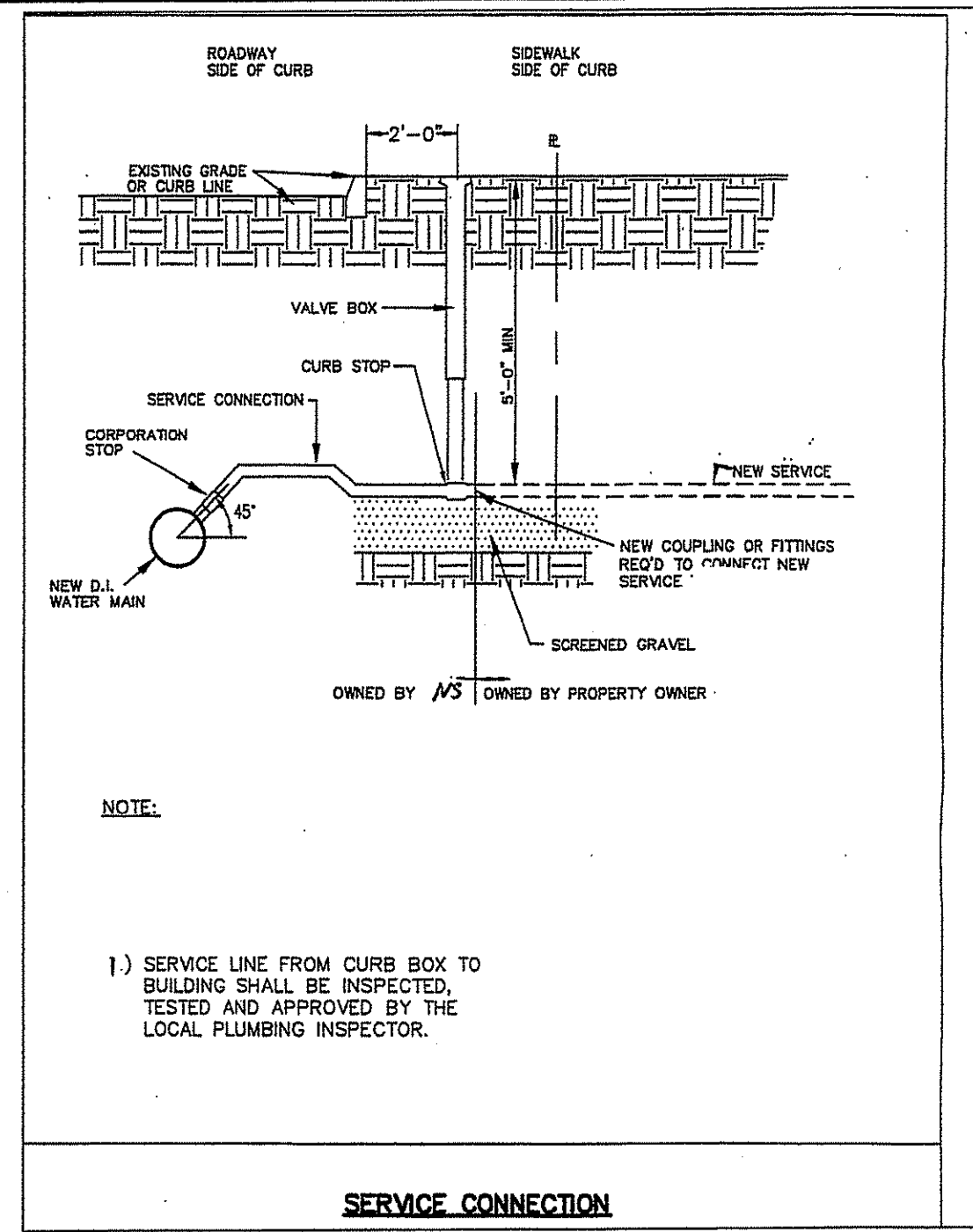
SFM

DRN. BY: SFM CHK. BY: JZL
SCALE: 1"=20'
DATE: JAN. 28, 2016
DWG: SFM825B-CD2-A
SHEET 5 OF 7

DEM WETLAND SUBMISSION

C5

MAR 7 2016



GENERAL NOTES

- ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (REVISION OF 12-2010) WITH ALL CORRECTIONS AND ADDENDA AND THE 12-1-2010 R.I. STANDARD DETAILS WITH ALL CORRECTIONS AND ADDENDA.
- EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOPSOIL AND SEEDED. SEE EROSION CONTROL PROGRAM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- IN ALL EXCAVATION AND REPLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- ALL EXCESS SOIL, STUMPS, TREES, ROCKS, BOULDERS AND OTHER REFUSE SHALL BE DISCARDED OFF SITE OUTSIDE OF ALL WETLANDS AND WETLANDS SETBACK AREAS UNLESS OTHERWISE SPECIFIED.
- CONSTRUCTION WASTE SHALL BE COLLECTED, REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL STATE AND TOWN REQUIREMENTS. TRASH SHALL BE COLLECTED ROUTINELY AND REMOVED FROM SITE FOR DISPOSAL.
- A SOIL AND EROSION CONTROL PERMIT WILL BE REQUIRED FROM THE TOWN OF EAST GREENWICH. INSPECTIONS SHALL BE SCHEDULED AS REQUIRED.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF ALL RI DEM AND TOWN REGULATIONS AND PERMITS.

SEDIMENTATION CONTROL PROGRAM

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE WETLANDS OR ADJOINING PROPERTIES.
- BANKS OR SLOPES OVER 5 PERCENT SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
- CARE SHALL BE TAKEN SO NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
- ADDITIONAL STRAW BALES, SILT FENCE OR SILT SOCKS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- REFERENCE THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE RI STATE CONSERVATION COMMITTEE, ISSUED 1989 REVISED 2014, AS A GUIDE.

ORDER OF PROCEDURE

- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR EXCAVATION, THE SITE CONTRACTOR SHALL PHYSICALLY MARK THE ENTIRE LIMIT OF DISTURBANCE. EROSION CHECKS SHALL BE ESTABLISHED AT ALL DOWN GRADIENT LIMITS OF DISTURBANCE AND AS DEPICTED ON THE SITE PLANS. TEMPORARY EROSION CHECKS SHALL BE INSTALLED AT LIMIT OF WORK ACTIVITY IF CONSTRUCTION IS TO BE DONE IN PHASES. EROSION CHECKS CONSIST OF STRAW BALES, SILT FENCE OR SILT SOCKS.
- SITE CONTRACTOR SHALL PHYSICALLY MARK THE BOTTOM AREAS OF THE BIO-RETENTION AREA, INFILTRATION AREA AND STORMWATER BASIN TO PREVENT SOIL COMPACTION OF THE BOTTOMS.
- ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE SHALL BE CLEARED AND GRUBBED AT ONE TIME. IF CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED FOR MORE THAN 14 DAYS, STABILIZATION PRACTICES SHALL BE INITIATED. REFERENCE THE EROSION CONTROL & SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROLS.
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
- EROSION CHECKS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
- EROSION CHECKS LOCATED AT DRAINAGE INLETS OR OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

DRAINAGE STRUCTURE SEDIMENTATION TRAPS

- AT NO TIME DURING CONSTRUCTION SHALL THE PAVEMENT SUBGRADE OR SURROUNDING AREA BE SUCH THAT SURFACE RUNOFF WILL BE PERMITTED TO DIRECTLY ENTER ANY DRAINAGE STRUCTURE, INCLUDING CATCH BASINS, YARD DRAINS, GALLEYS AND INLET PIPES. A TEMPORARY DEPRESSED AREA AROUND THE STRUCTURE SHALL BE INCORPORATED AS A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH STRAW BALES AROUND THE COMPLETE PERIMETER, SIMILAR TO R.I. STD. DETAIL 9.8.0. DURING ALL PRELIMINARY STAGES THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- SILT SOCKS SHALL REPLACE BALED STRAW EROSION CHECKS FOR INLET PROTECTION ONCE ROAD IS PAVED.
- EROSION CHECKS SHALL BE MAINTAINED AROUND ALL NEW AND EXISTING CATCH BASINS UNTIL ALL UPGRADIENT DISTURBED AREAS ARE STABILIZED BY PAVEMENT OR VEGETATION.

EROSION CONTROL & SOIL STABILIZATION PROGRAM

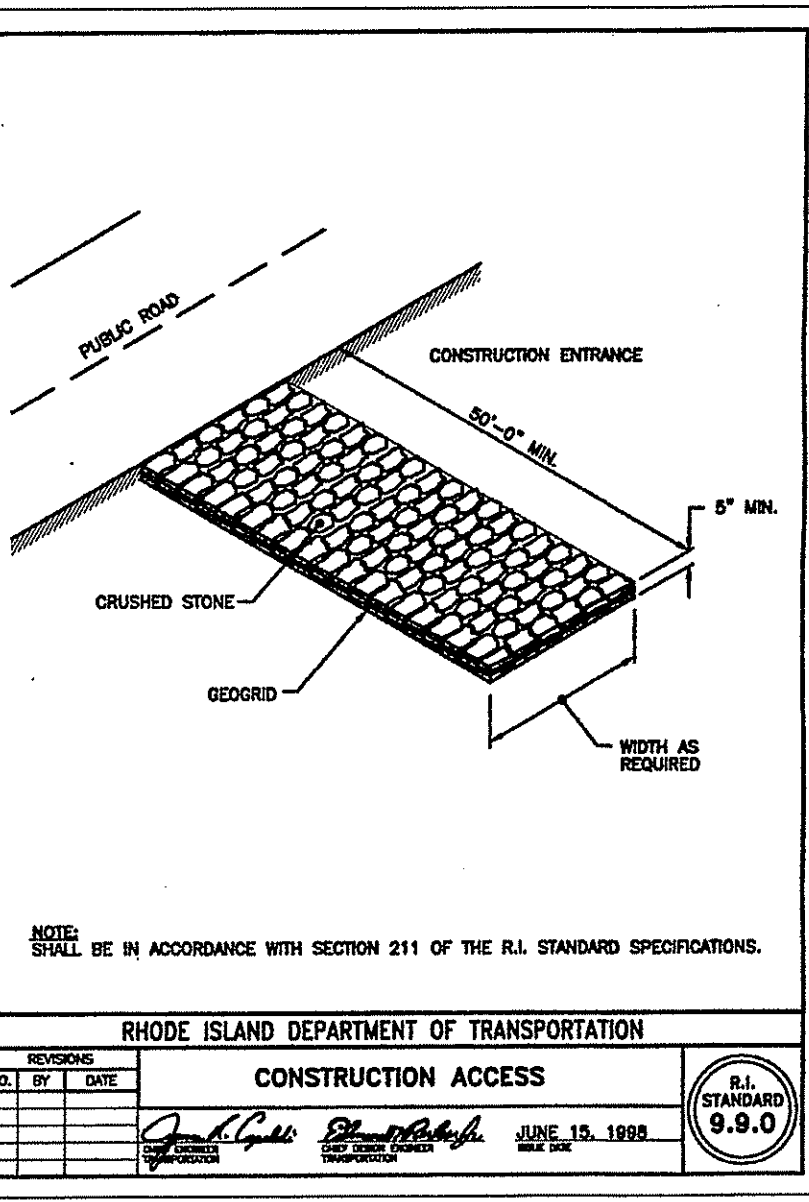
- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
 - ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
 - THE TOP SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
 - THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
 - SEEDING SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S PLANS. FOR AREAS NOT DESIGNATED BY THE L.A., THE DESIGN MIX SHALL COMPLY WITH THE FOLLOWING:

A. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)		
MIXTURE	% BY WT.	SEEDING DATES
CREeping RED FESCUE	70	APRIL 1-MAY 31
KENTUCKY BLUEGRASS	15	AUG. 15-OCT. 15
COLONIAL BENTGRASS	5	
PERENNIAL RYEGRASS	10	
TOTAL	150 LBS/AC	
 - UNMOWED AREA OR INFREQUENTLY MOWED (FLAT OR SLOPES GREATER THAN 3:1)

MIXTURE	% BY WT.	SEEDING DATES
CREeping RED FESCUE	60	APRIL 1-MAY 31
COLONIAL BENTGRASS	5	AUG. 15-OCT. 15
PERENNIAL RYEGRASS	10	
WILDFLOWER MIX	20	
BIRDSOFT TREFOIL	15	
TOTAL	150 LBS/AC	
 - CONSERVATION SEEDING AREAS

MIXTURE	% BY WT.	SEEDING DATES
SWITCH GRASS	20	APRIL 1-MAY 31
LITTLE BLUE STEM	20	AUG. 15-OCT. 15
PERENNIAL RYEGRASS	20	
WILDFLOWER MIX	20	
HARD FESCUE	20	
TOTAL	60 LBS/AC	
- OR NEW ENGLAND EROSION CONTROL/RESTORATION MIX (FOR DRY OR WET SITES AS APPROPRIATE) BY NEW ENGLAND WETLAND PLANTS, INC
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS) THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
 - HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 LBS/AC.
 - ALL STRAW BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

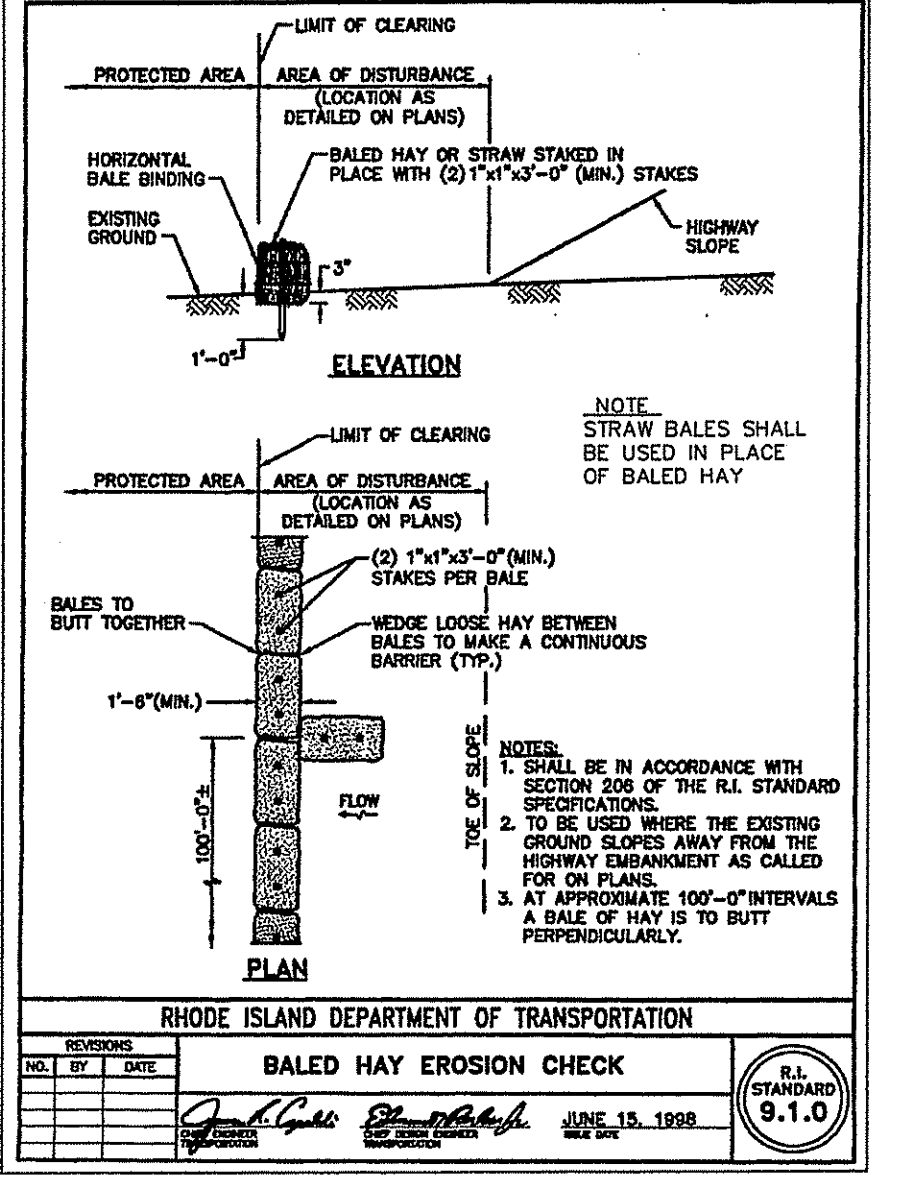
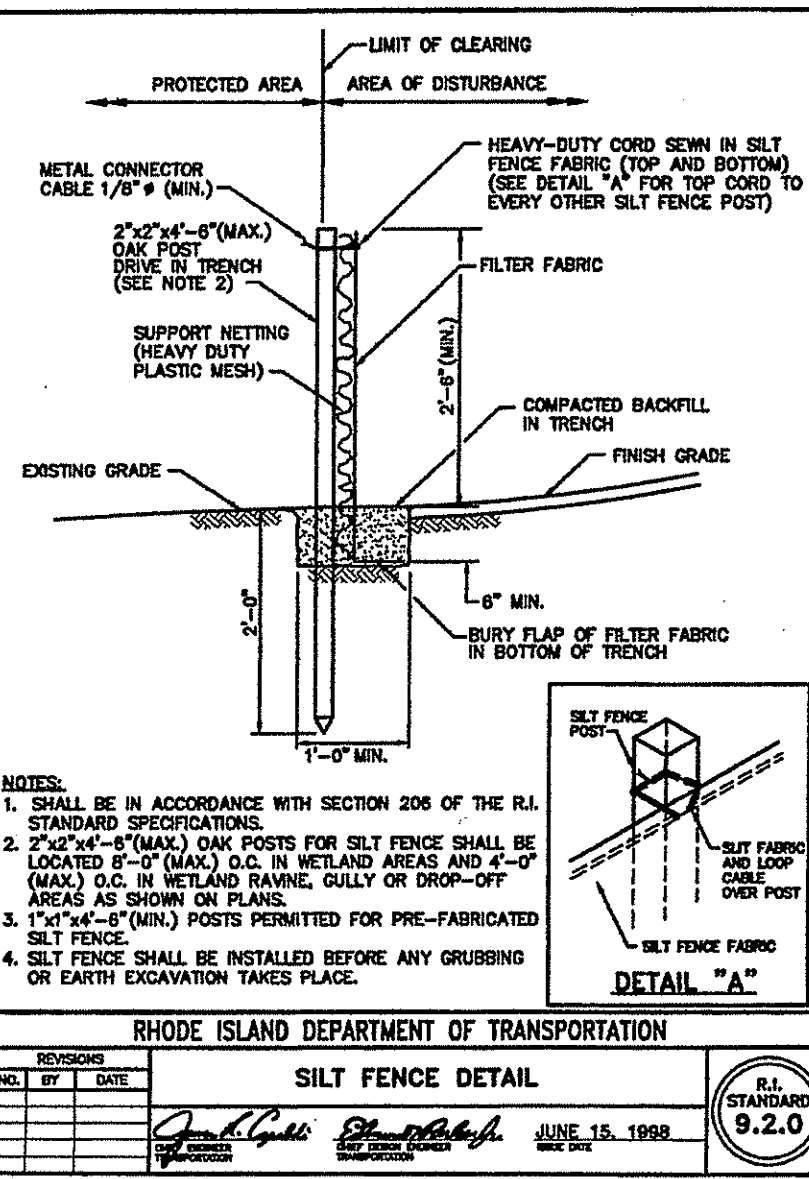
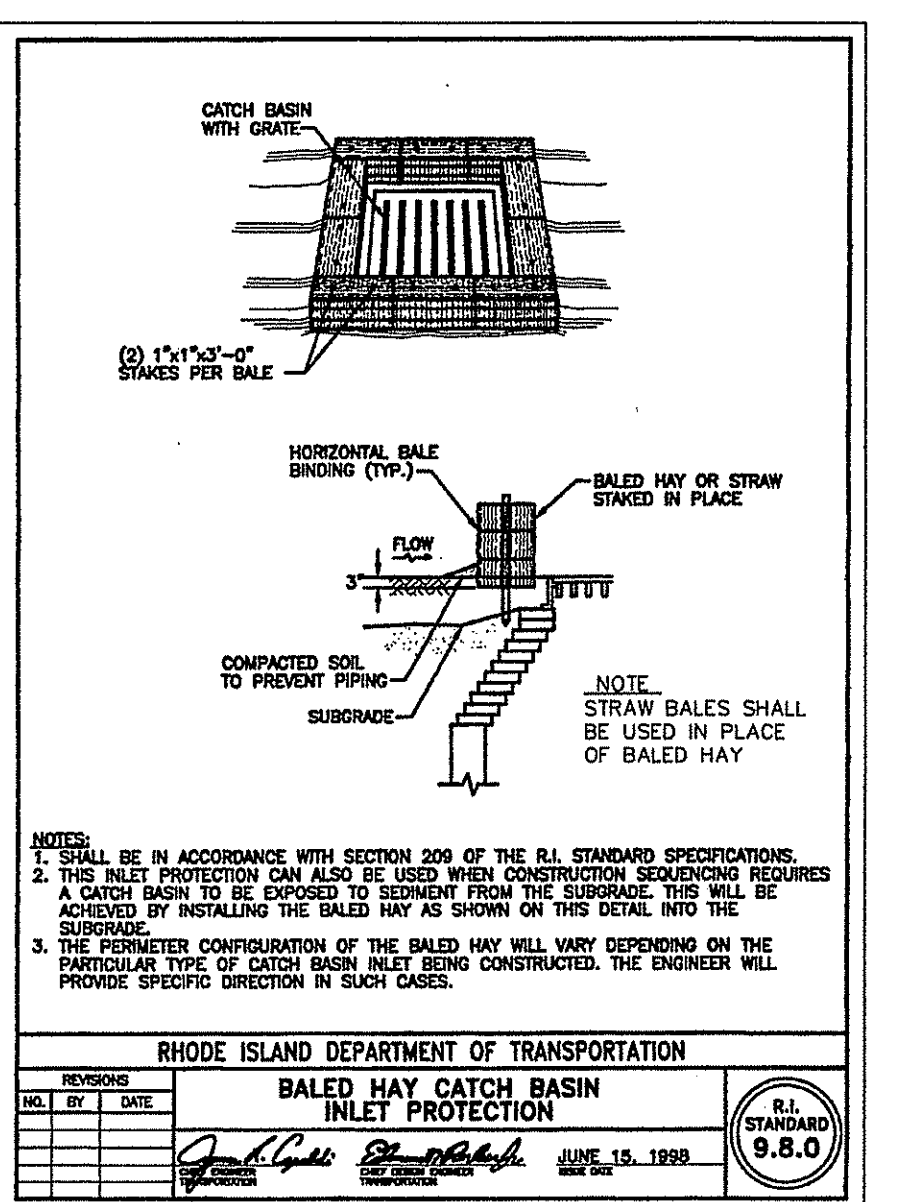
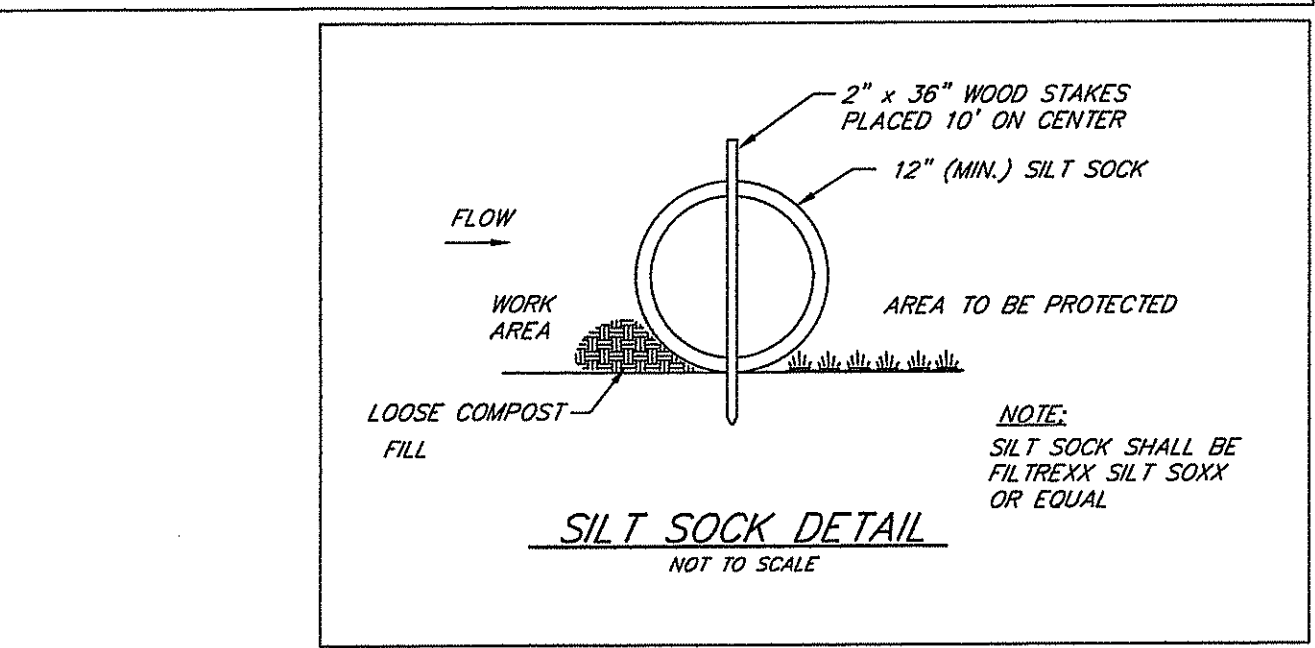
SPECIES	LBS./1,000 S.F.	LBS./AC.	SEEDING DATES
ANNUAL RYEGRASS	1.0 - 1.5	40 - 60	3/1 - 6/1
PERENNIAL RYEGRASS	1.0 - 1.5	40 - 60	3/1 - 6/1
SUDAN GRASS	0.7 - 1.0	30 - 40	5/15 - 8/15
MILLET	0.7 - 1.0	30 - 40	5/15 - 8/15
WINTER RYE	3.0	120	4/15 - 6/15
 - OR RIDOT TEMPORARY SEED MIX AT 75 LBS/AC
 - THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
 - THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCTOBER 15.
 - ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STD. SPECIFICATIONS SECTION 202.
 - STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
 - STOCKPILES OF TOPSOILS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
 - ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
 - REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION.



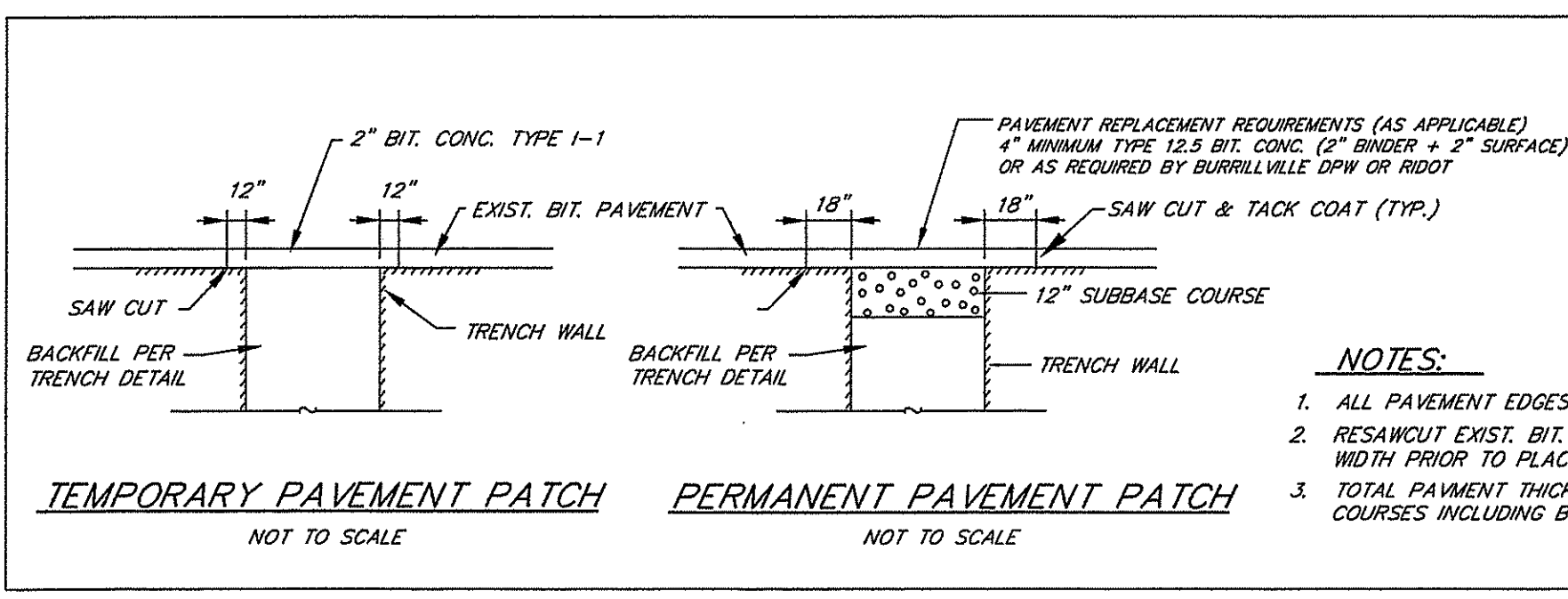
4" (MIN.) OF CRUSHED STONE	SQUARE MESH SIEVES	RIDOT 2" CRUSHED STONE OR GRAVEL	% FINER
	2 1/2"		100
	2"		95-100
	1 1/2"		30-55
	1 1/4"		0-25
	1"		0-5

6" GRAVEL BASE OR FILTER FABRIC

REFERENCE R.I. SOIL EROSION & SEDIMENT CONTROL HANDBOOK CHAPTER 5 SECTION D



NOTE
BALED HAY SHALL ONLY BE USED FOR SHORT TERM EROSION CONTROL OF THREE MONTHS OR LESS. PERIMETER EROSION CONTROLS SHALL BE STRAW BALES, SILT FENCE, SILT SOCK OR COMBINATION THEREOF.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 11 2016 FILE # 16-0049
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISION

DATE

SCOTT F. MOOREHEAD
REGISTERED PROFESSIONAL ENGINEER

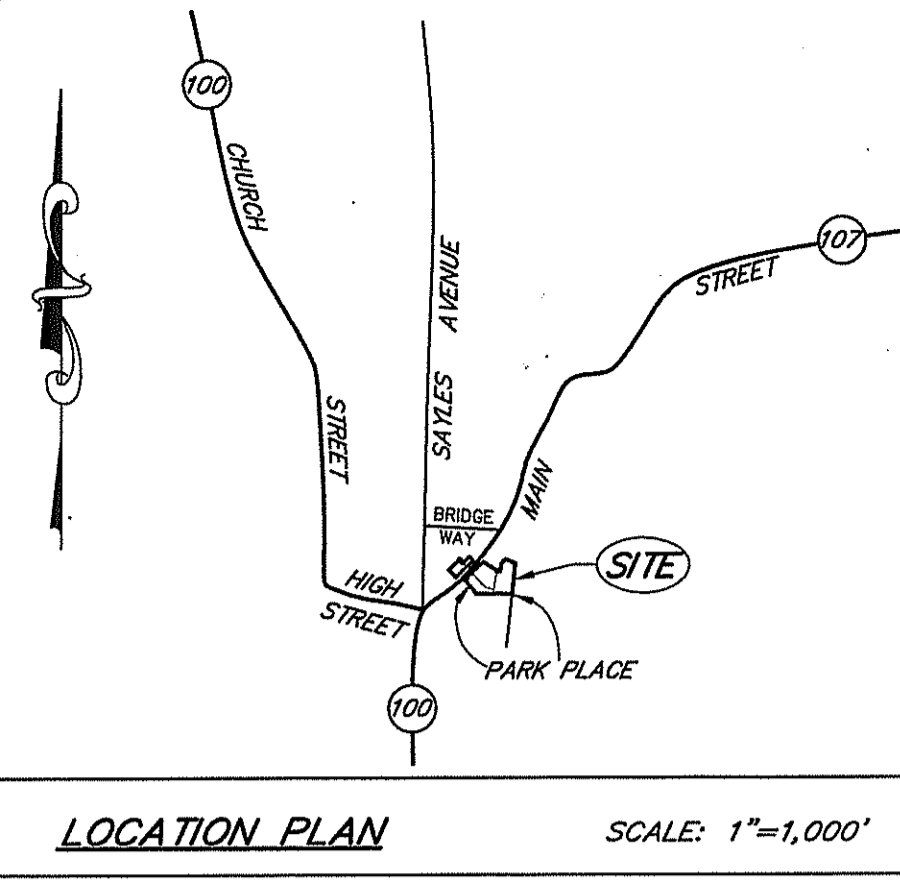
PREPARED FOR:
NEIGHBORHOODS BLACKSTONE
RIVER VALLEY
719 FRONT STREET SUITE 103
MOONSOCKET, RI 02865
401-762-0993

75-81 PASCOAG MAIN STREET
AND 28 PARK PLACE
ASSESSORS PLAT 175 LOTS 59, 60 & 61
PASCOAG MAIN STREET & PARK PLACE
BURRILLVILLE, RI

SITE CONSTRUCTION DETAILS - 3

SFM ENGINEERING ASSOCIATES
410 TIGUE AVENUE
COVENTRY, RI 02816
PHONE: 401-826-3736
FAX: 401-826-1711
SCOTT@SFM.NECONMAIL.COM

DRN. BY: SFM CHK. BY: JZL
SCALE: 1" = 20'
DATE: JAN. 28, 2016
DWG: SFM825B-ER-A
SHEET 6 OF 7
DEM WETLAND SUBMISSION



- PLAN REFERENCES**
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 - "PLAT OF LOTS LAID OUT ON JOHN RILEY LAND, PASCOAG, R.I. BY OSCAR MUYAN, SCALE 40 FT. TO THE INCH" RECORDED IN PLAT BOOK 1 AT PAGE 33.
 - "SUBDIVISION OF LAND FOR BURRILLVILLE SUPPLY, INC. BURRILLVILLE, R.I. MAY 1967 SCALE: 1 INCH = 20 FEET" BY G. BERTRAND BIBEAL, C. E. . . . RECORDED IN PLAT BOOK 4 AT PAGE 54.
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 - STATE HIGHWAY PLAT NO. 2244 (1991).
 - "TOWN OF BURRILLVILLE AP 175 LOT 41 PASCOAG MAIN STREET BURRILLVILLE, RHODE ISLAND MINOR SUBDIVISION JUNE 2008 . . . BY NATIONAL SURVEYORS-DEVELOPERS INC. PLAT BOOK 2008 PAGE 12.
 - "BURRILLVILLE REDEVELOPMENT AGENCY AP 175 LOTS 43, 44 & 102, #74 & #84 PASCOAG MAIN STREET BURRILLVILLE, RHODE ISLAND PROPOSED SITE PLAN . . . MARCH 2015 . . . PLAN NOT RECORDED.
- GENERAL NOTES**
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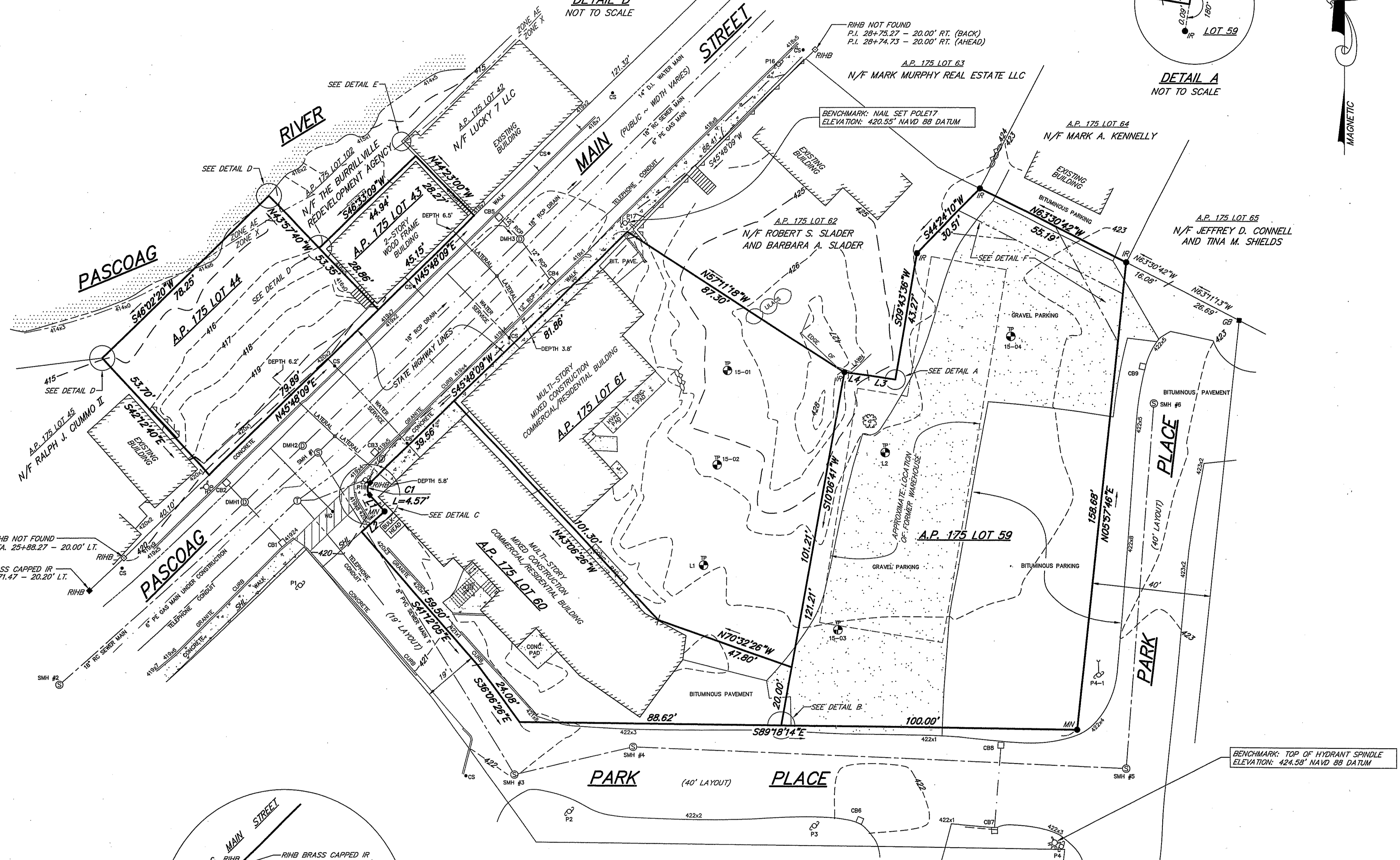
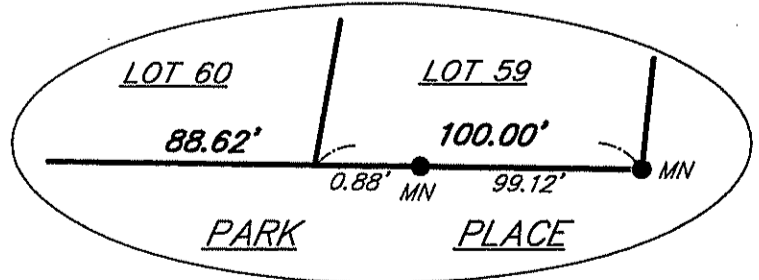
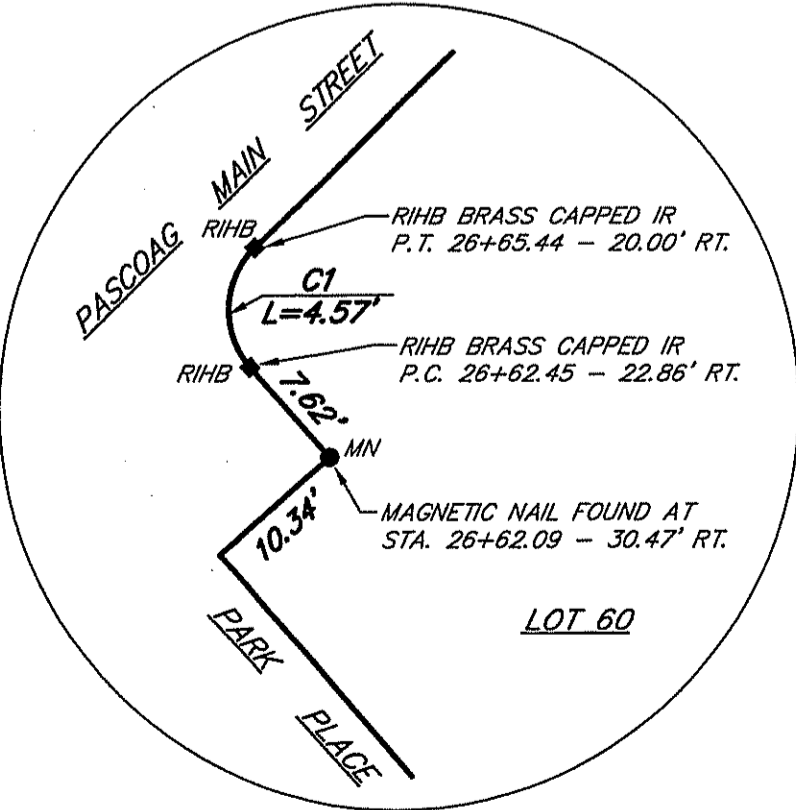
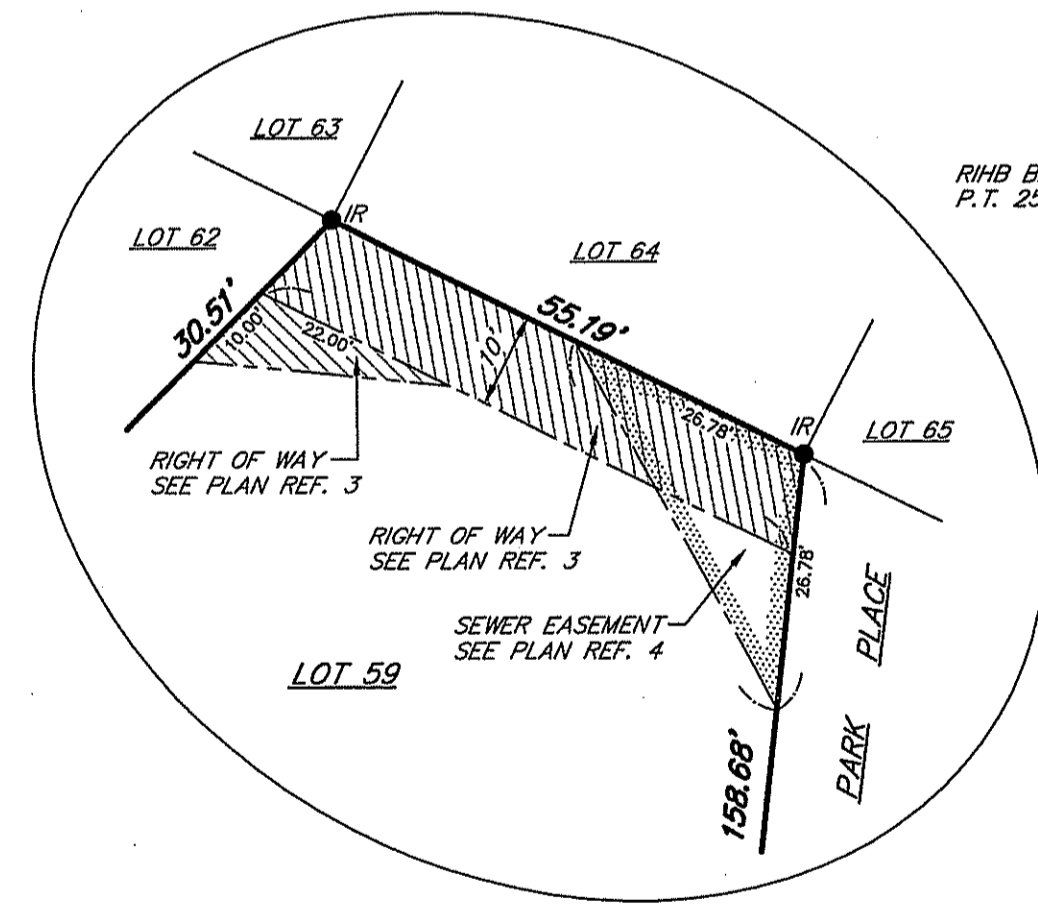
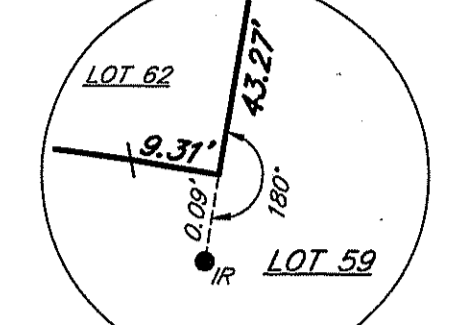
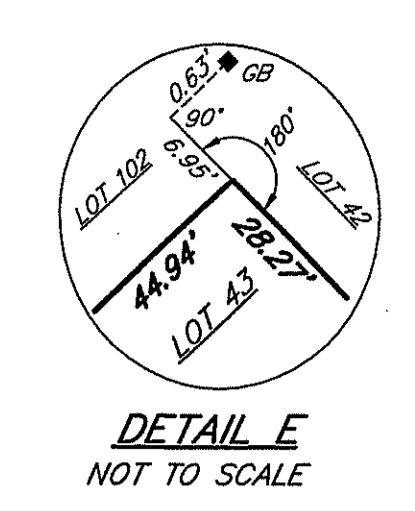
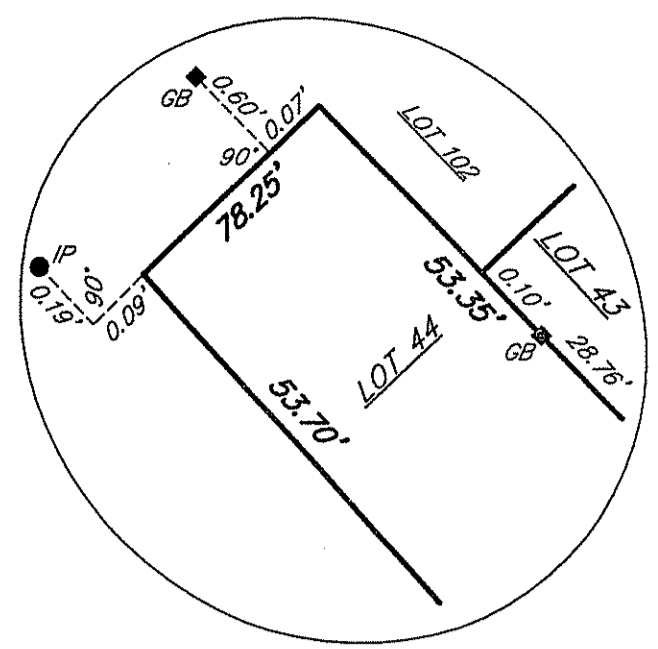
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CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	BEARING
C1	87°11'48"	3.00'	4.57'	2.86'	4.14'	S02°04'32"W

LINE TABLE

LINE	BEARING	LENGTH
L1	S41°29'20"E	7.62'
L2	S48°31'05"W	10.34'
L3	N80°49'25"W	9.31'
L4	N82°18'24"W	8.02'



DRAINAGE DATA TABLE

STRUCTURE	RIM ELEVATION	INVERT SIZE, TYPE, ELEVATION
CB3	419.35'	12" RCP OUT=415.00'
CB4	419.03'	12" RCP IN=414.94'
CB5	418.82'	12" RCP OUT=414.94'
		12" RCP IN (S)=413.80'
		12" RCP IN (N)=415.70'
DMH3	419.20'	18" RCP IN (W)=413.60'
		18" RCP OUT (E)=413.50'

AREA TABLE

ASSESSOR'S PLAT	LOT	AREA
175	43	1,287± SQ. FT.
175	44	4,231± SQ. FT.
175	59	13,084± SQ. FT.
175	60	7,239± SQ. FT.
175	61	11,090± SQ. FT.

- LEGEND**
- A.P. ASSESSOR'S PLAT
 - N/F NOW OR FORMERLY
 - SQ. FT. SQUARE FEET
 - RECORD VALUE
 - CHL STATE HIGHWAY LINE
 - RIHB RHODE ISLAND HIGHWAY BOUND NOT FOUND
 - RIHB RHODE ISLAND HIGHWAY BOUND FOUND
 - MN MAGNETIC NAIL FOUND
 - IR IRON ROD FOUND
 - IR IRON ROD FOUND
 - GB GRANITE BOUND FOUND
 - SMH SEWER MANHOLE
 - CB CATCH BASIN
 - 422.2 GROUND SPOT ELEVATION
 - HYDRANT HYDRANT
 - CS CURB STOP
 - WV WATER GATE VALVE
 - UP UTILITY POLE
 - DMH DRAIN MANHOLE
 - SH SOIL TEST HOLES
 - DI DUCTILE IRON
 - PE PLASTIC GAS MAIN
 - RC/RCP REINFORCED CONCRETE PIPE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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OWNERS

A.P. 175 LOTS 43, 44 AND 59
BURRILLVILLE REDEVELOPMENT AGENCY
105 HARRISVILLE MAIN STREET
HARRISVILLE, RHODE ISLAND 02830

A.P. 175 LOTS 60 AND 61
MARDELLI PROPERTIES, LLC
519 PUTNAM PIKE
CHEPACHET, RHODE ISLAND 02814

SCITUATE SURVEYS, INC.
410 TIIOGUE AVENUE
COVENTRY, R. RHODE ISLAND 02816
401-821-8101
LAND SURVEYING/MAPPING/SITE PLANNING

FOR STREET AND ROAD INDEX, FILE UNDER:
PASCOAG MAIN STREET & PARK PLACE

THIS BOUNDARY SURVEY AND PLAT CONFORM TO A CLASS I MEASUREMENT STANDARD AS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS ACCUMULATION SURVEY CONFORMS TO A CLASS III MEASUREMENT STANDARD.

JOHN MENINGER
No. 1886
PROFESSIONAL
LAND SURVEYOR

BOUNDARY AND EXISTING CONDITIONS SURVEY
ASSESSOR'S PLAT 175
LOTS 43, 44, 59, 60 & 61
PASCOAG MAIN STREET & PARK PLACE
BURRILLVILLE, RHODE ISLAND

DATE: AUGUST 27, 2015 REVISION:
SCALE: 1"=20'

PROJECT NO.: SS2703 SHEET
DRAWING NO.: SS4208 7 OF 7