

SITE IMPROVEMENT PLAN

FOR

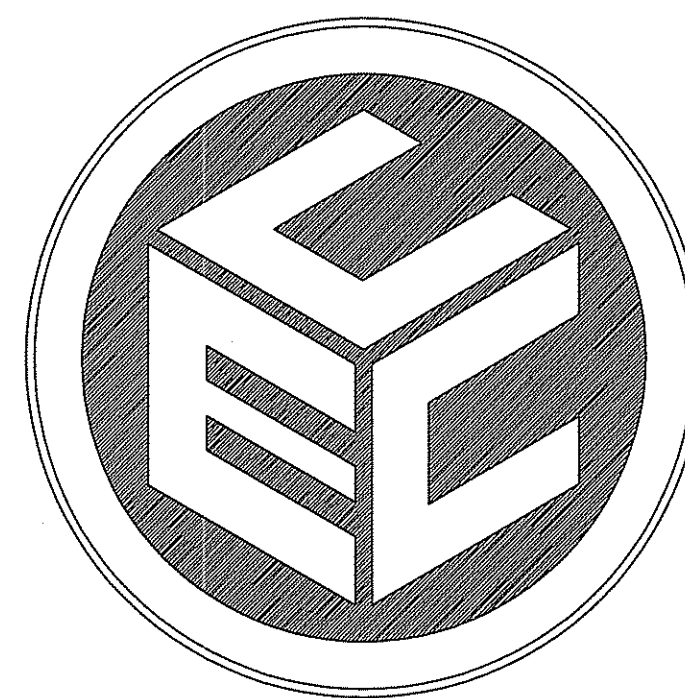
767 SOCIAL STREET

ASSESSORS PLAT 21 LOT 251

IN

WOONSOCKET, RHODE ISLAND

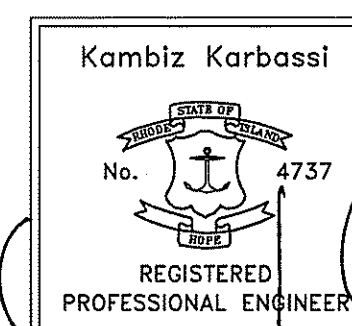
OWNER/APPLICANT
RLB REALTY LLC
C/O MR. RAYMOND BOURQUE
P.O. BOX 3107
SOUTH ATTLEBORO, MA 02703



COMMONWEALTH
ENGINEERS & CONSULTANTS, INC.

400 SMITH STREET
PROVIDENCE, RHODE ISLAND 02908

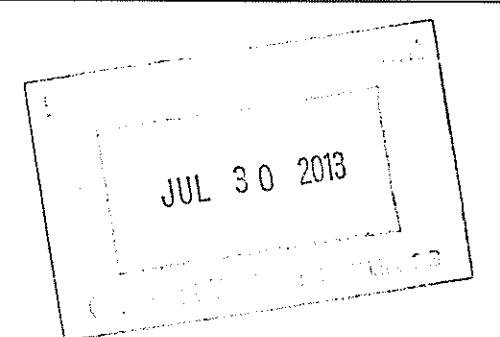
DATE: JULY 10, 2013
DATE: JULY 26, 2013



LOCUS MAP
SCALE: 1"=1000'

LIST OF DRAWINGS

1. TITLE SHEET
2. EXISTING CONDITIONS/DEMOLITION PLAN
3. SITE LAYOUT PLAN
4. GRADING AND UTILITY PLAN
5. CONSTRUCTION DETAILS-1
6. CONSTRUCTION DETAILS-2



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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED AUG 06 2013 FILE # 13-0123
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

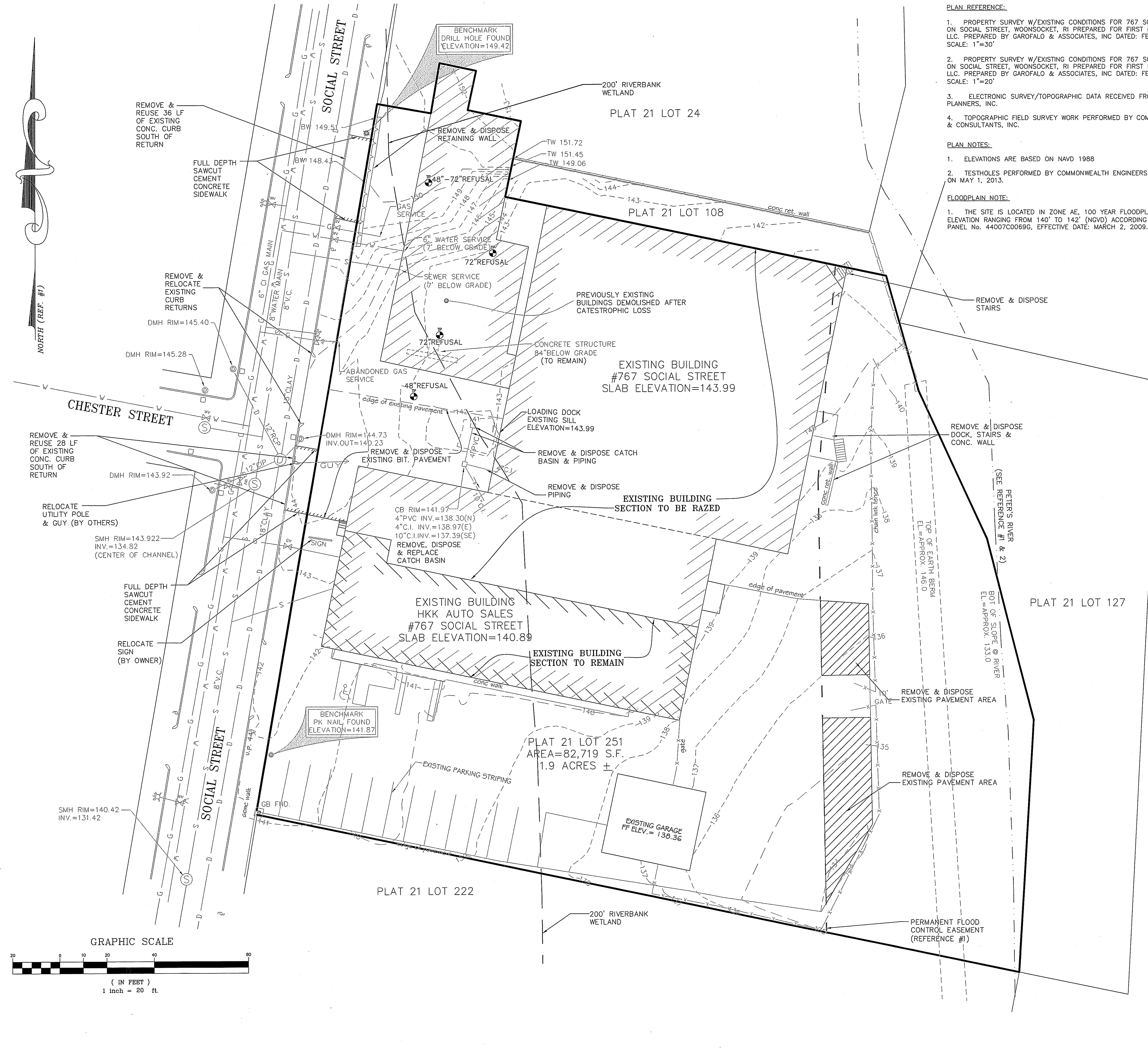
Charles A. Hackett

REVISIONS

No.	DATE	DRWN	CHKD

PROJECT NO. 12019.00

G:\2000\2019.00 767 Social Street\Drawings\Site\Current\Drawings\2019-767 Social Street-Site Plan NAD 83 Data\7-24-13.dwg



- PLAN REFERENCE:**
1. PROPERTY SURVEY W/EXISTING CONDITIONS FOR 767 SOCIAL STREET SITUATED ON SOCIAL STREET, WOONSOCKET, RI PREPARED FOR FIRST MENDON ASSOCIATES, LLC. PREPARED BY GAROFALO & ASSOCIATES, INC DATED: FEBRUARY 11, 2013 SCALE: 1"=30'
 2. PROPERTY SURVEY W/EXISTING CONDITIONS FOR 767 SOCIAL STREET SITUATED ON SOCIAL STREET, WOONSOCKET, RI PREPARED FOR FIRST MENDON ASSOCIATES, LLC. PREPARED BY GAROFALO & ASSOCIATES, INC DATED: FEBRUARY 11, 2013 SCALE: 1"=20'
 3. ELECTRONIC SURVEY/TOPOGRAPHIC DATA RECEIVED FROM OCEAN STATE PLANNERS, INC.
 4. TOPOGRAPHIC FIELD SURVEY WORK PERFORMED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC.
- PLAN NOTES:**
1. ELEVATIONS ARE BASED ON NAVD 1988
 2. TESTHOLES PERFORMED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. ON MAY 1, 2013.
- FLOODPLAIN NOTE:**
1. THE SITE IS LOCATED IN ZONE AE, 100 YEAR FLOODPLAIN, WITH A BASE FLOOD ELEVATION RANGING FROM 140' TO 142' (NGVD) ACCORDING TO FEMA COMMUNITY PANEL No. 440070069G, EFFECTIVE DATE: MARCH 2, 2009.

LEGEND

---	PROPERTY PERIMETER
---	ABUTTER LINE
---	EXISTING CONTOUR LINE
---	DRAIN LINE
---	WATER LINE
---	SEWER LINE
---	GAS LINE
---	FENCE LINE
---	RETAINING WALL
---	GAS GATE VALVE BOX
---	WATER GATE VALVE BOX
---	UTILITY POLE
---	FIRE HYDRANT
---	CATCH BASIN
---	DRAIN MANHOLE
---	SEWER MANHOLE
---	TEST HOLE
---	200 FT RIVERBANK WETLAND

JUL 30 2013

- GENERAL CONSTRUCTION NOTES:**
1. THE LOCATION AND ELEVATION FOR ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY CROSSINGS OF PROPOSED UTILITIES AND EXISTING UTILITIES. ANY DISCREPANCIES IN THE LOCATION OF ANY UTILITY SHOWN OR ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET, PROVIDENCE, RHODE ISLAND 02908; (401) 273-6600.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-800-344-7233) A MINIMUM OF 72 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
 3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL APPROPRIATE TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
 5. ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
 6. FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).
 7. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THE MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL APPROPRIATE TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
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 11. IF CEMENT CONCRETE MIX TRUCKS ARE TO BE WASHED OUT ON SITE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A WASH OUT AREA WITH APPROPRIATE PROTECTION CONTROLS.
- Kindly be advised that this Permit is not valid without verification of the type or extent of freshwater wetlands on site.**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED AUG 06 2013 FILE # 13-0123
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

OWNER/APPLICANT
RLB REALTY LLC
C/O MR. RAYMOND BOURQUE
P.O. BOX 3107
SOUTH ATTLEBORO, MA 02703

Kambiz Karbassi
No. 4737
REGISTERED PROFESSIONAL ENGINEER

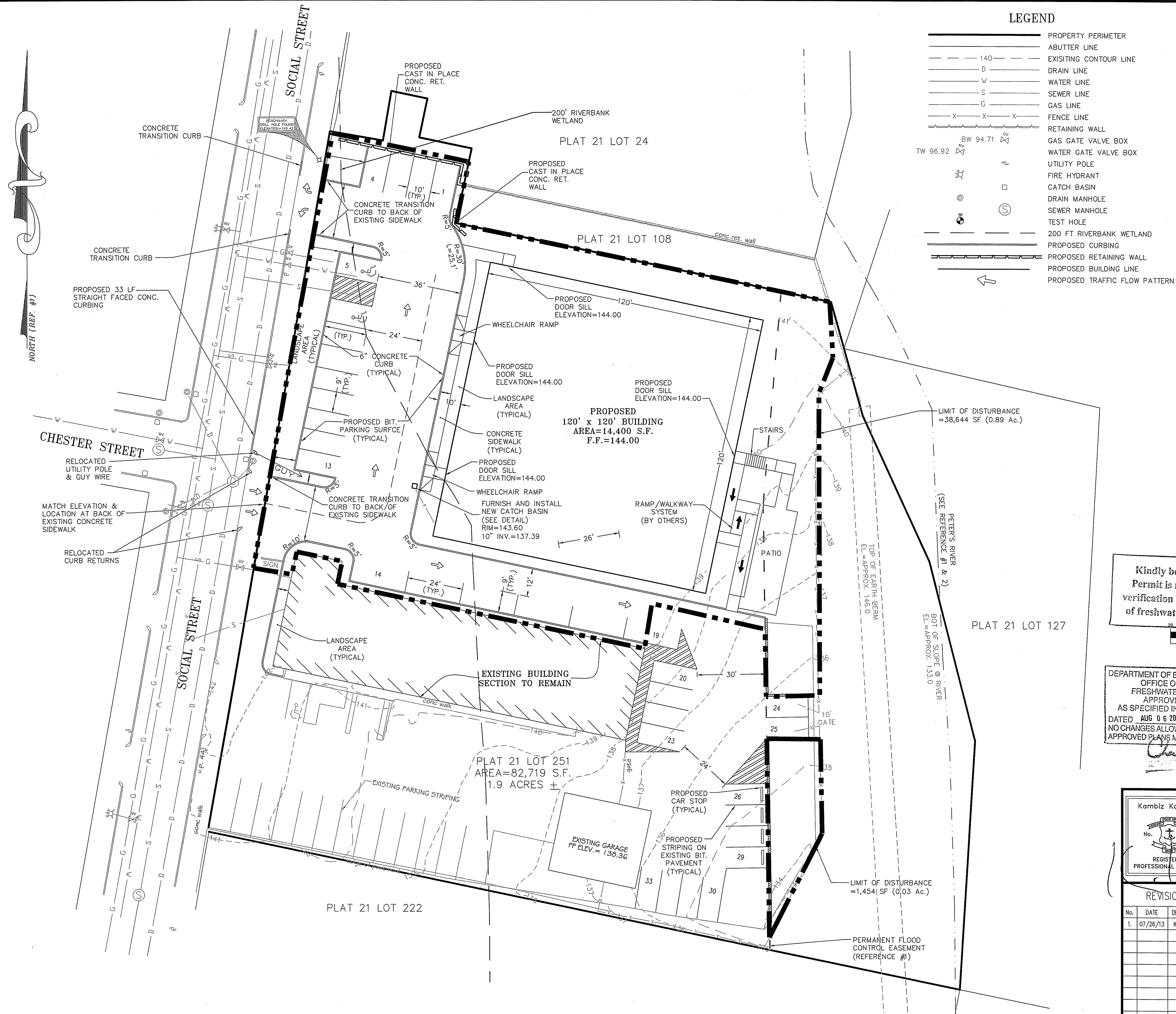
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ENGINEERS & CONSULTANTS, INC.
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401-273-6600

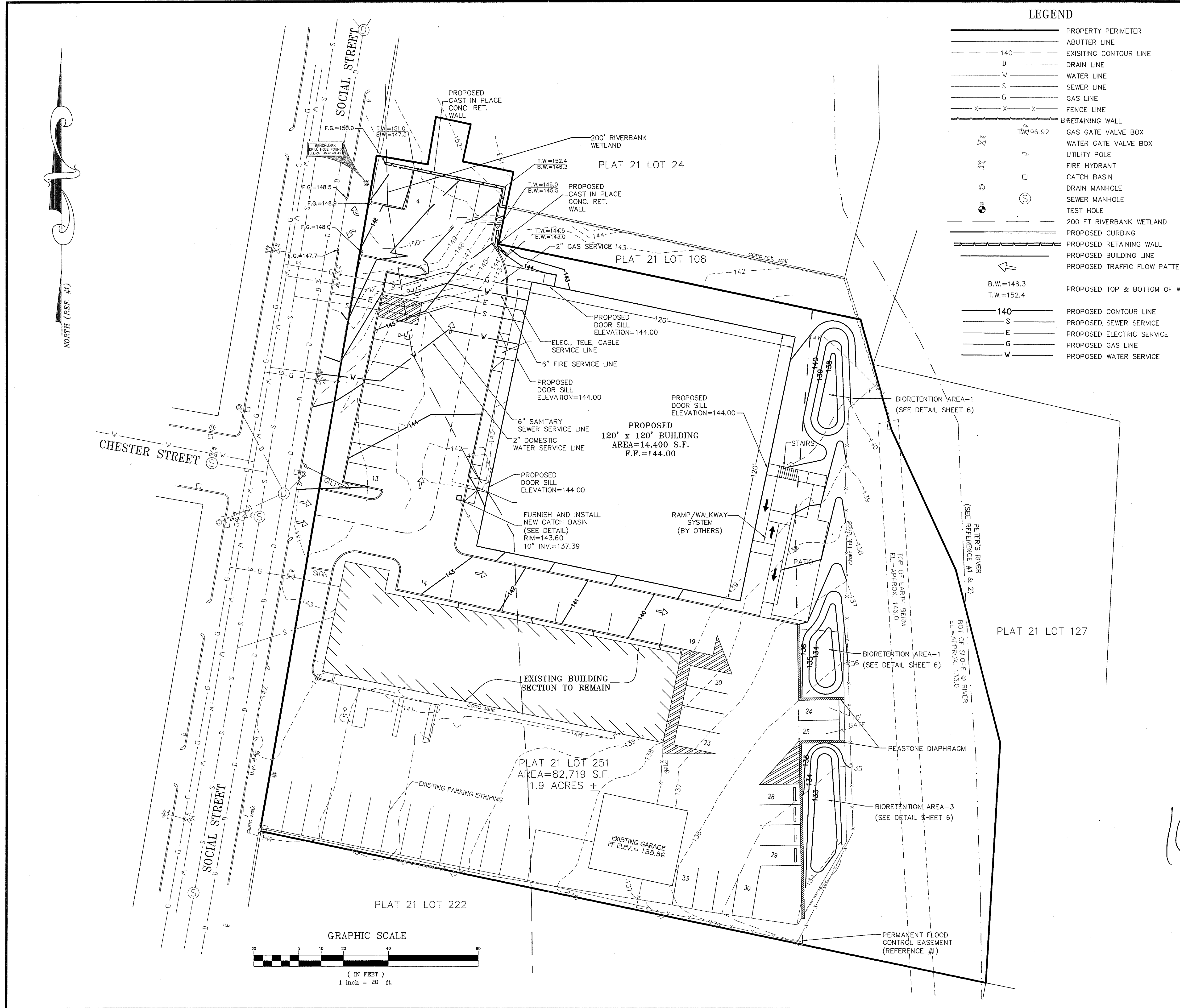
REVISIONS

No.	DATE	DRWN	CHKD
1.	07/26/13	KAB	KK

EXISTING CONDITIONS/DEMOLITION PLAN
for
ASSESSORS PLAT 21 LOT 251
767 SOCIAL STREET
in
WOONSOCKET, RHODE ISLAND

SCALE: 1"=20' SHEET NO: 2 OF 6
DRAWN BY: JP DESIGN BY: JAR CHECKED BY: KK
DATE: 07/10/13 PROJECT NO.: 12019.00





LEGEND

---	PROPERTY PERIMETER
---	ABUTTER LINE
---	EXISTING CONTOUR LINE
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---	FIRE HYDRANT
---	CATCH BASIN
---	DRAIN MANHOLE
---	SEWER MANHOLE
---	TEST HOLE
---	200 FT RIVERBANK WETLAND
---	PROPOSED CURBING
---	PROPOSED RETAINING WALL
---	PROPOSED BUILDING LINE
---	PROPOSED TRAFFIC FLOW PATTERN
---	PROPOSED TOP & BOTTOM OF WALL ELEVATION
---	PROPOSED CONTOUR LINE
---	PROPOSED SEWER SERVICE
---	PROPOSED ELECTRIC SERVICE
---	PROPOSED GAS LINE
---	PROPOSED WATER SERVICE

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 - FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).
 - THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THE MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
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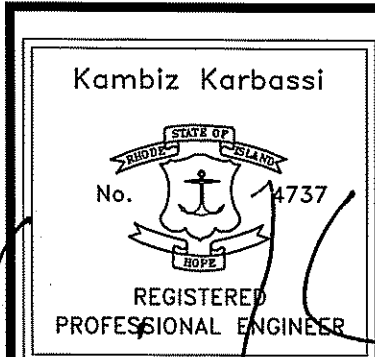
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PLAN NOTES:

- ELEVATIONS ARE BASED ON NAVD 1988
- TESTHOLES PERFORMED BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. ON MAY 1, 2013.

FLOODPLAIN NOTE:
Kindly be advised that this site is located in the 100 YEAR FLOODPLAIN, WITH A BASE FLOOD PERMITTING RANGING FROM 140' TO 142' (NGVD) ACCORDING TO FEMA COMMUNITY PANEL NO. 44007C00890, EFFECTIVE DATE: MARCH 2, 2009.
verification of the type or extent of freshwater wetlands on site.

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REVISIONS				
No.	DATE	DRWN	CHKD	
1.	07/26/13	KAB	KK	

GRADING & UTILITY PLAN
for
ASSESSORS PLAT 21 LOT 251
767 SOCIAL STREET
in
WOONSOCKET, RHODE ISLAND

SCALE: 1"=20'
SHEET NO: 4 OF 6
DRAWN BY: JP DESIGN BY: JAR CHECKED BY: KK
DATE: 07/10/13 PROJECT NO.: 12019.00

GENERAL NOTES:

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION WEB PAGE. THESE SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
2. ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STARTED UNTIL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE MADE TO DETERMINE WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL AGREEMENT WITH THE APPROVED FINAL CONSTRUCTION DRAWING AND THE TOWN SPECIFICATIONS.
3. LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED UTILITY COMPANIES ARE NOTIFIED 48-HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-800-344-7233) A MINIMUM OF 48 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
4. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY, BUT NOT LIMITED TO, THE STATE OF RHODE ISLAND, THE FEDERAL GOVERNMENT, THE TOWN OF EAST GREENWICH AND ALL INDIVIDUAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
6. THE INSTALLATION OF THE WATER UTILITY IMPROVEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE KENT COUNTY WATER DEPARTMENT AND THE AMERICAN WATER WORKS STANDARDS.
7. ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
8. VERTICAL DATUM: MEAN SEA LEVEL (NAVD 88).
9. FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).

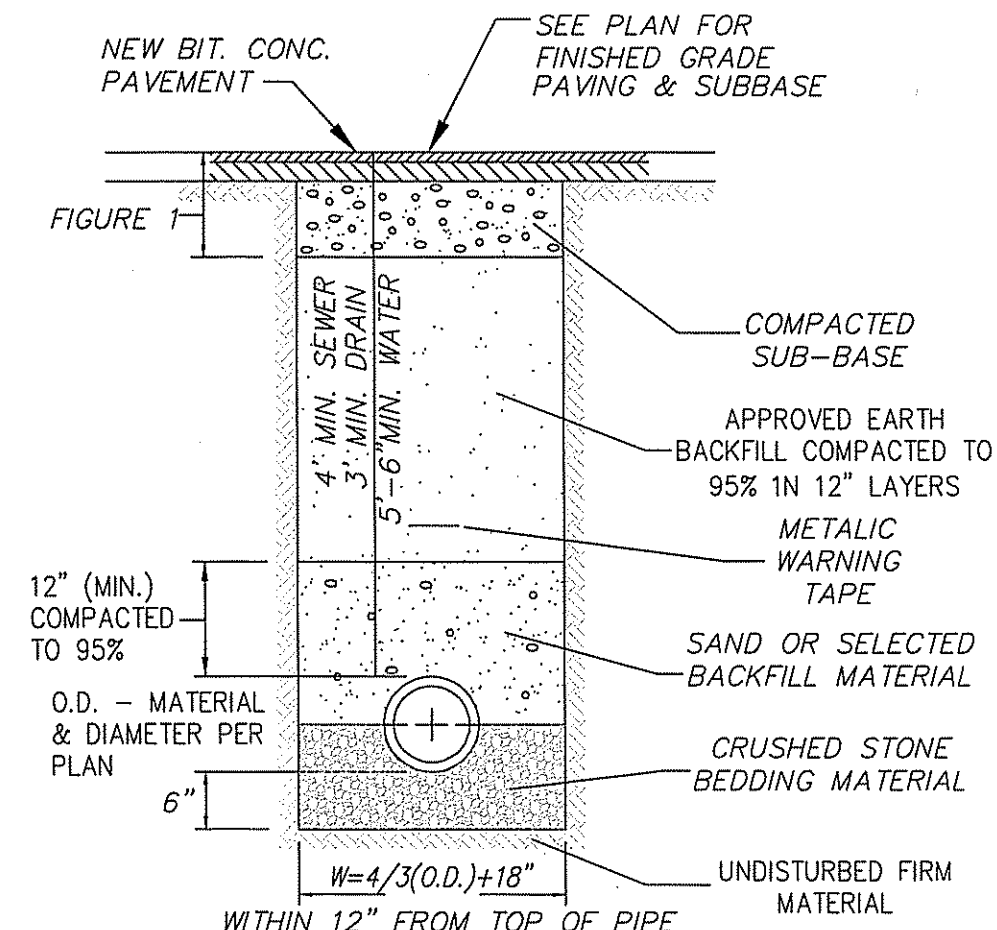
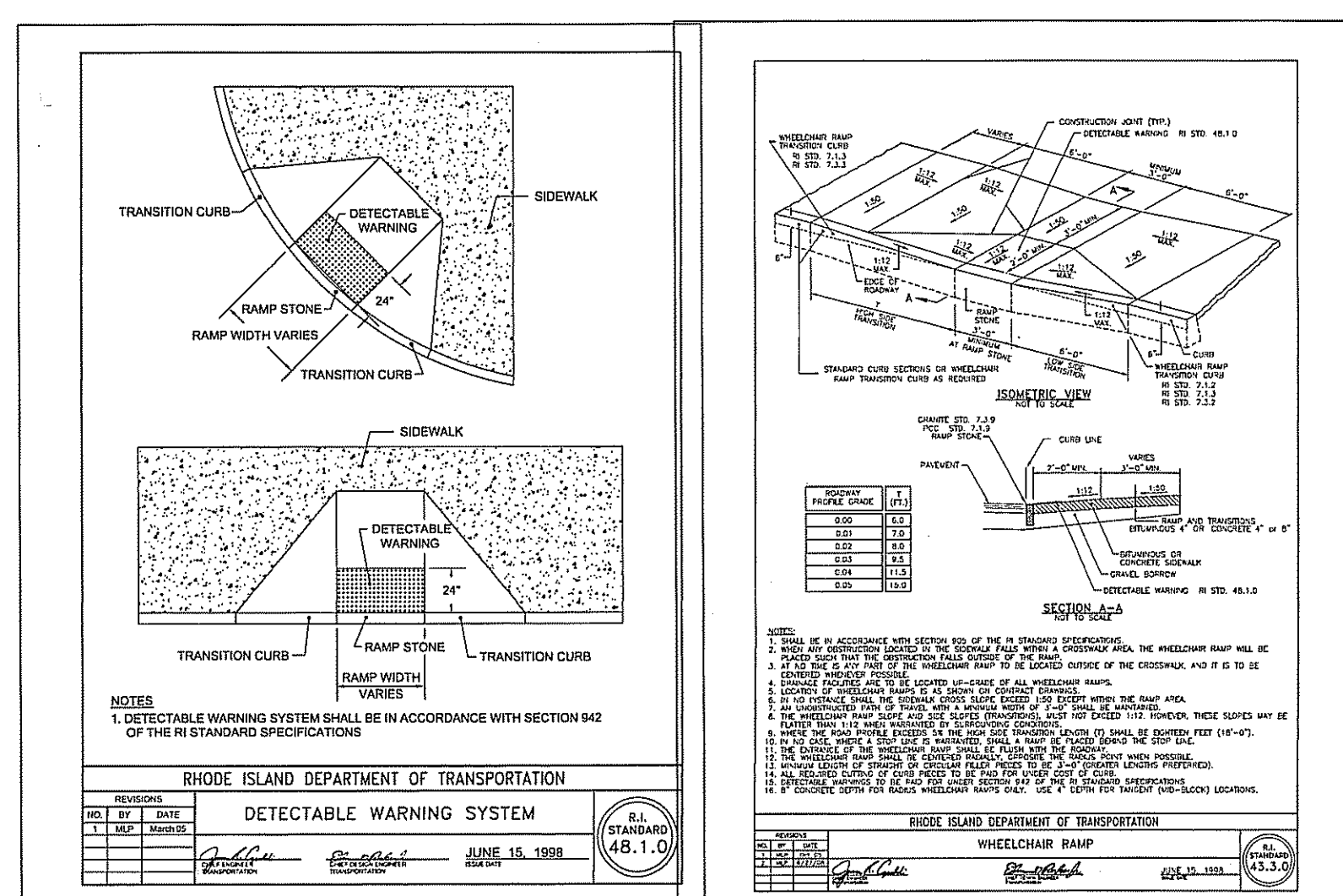
SEDIMENTATION CONTROL PROGRAM:

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
2. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUN-OFF FLOW DURING STORMS AND PERIODS OF
3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL. 4. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORMWATER FLOWAGE.
5. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
6. SEDIMENTATION TRAPS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURES DURING CONSTRUCTION.
7. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THE SITE PRIOR TO THE START OF CONSTRUCTION AND BE PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED INCLUDING:
 - A) THE INSTALLATION OF A CONTINUOUS LINE OF STAKED HAYBALES IN ALL LOCATIONS SHOWN ON THE APPROVED SITE PLANS AND WHERE OTHERWISE NECESSARY TO PREVENT SEDIMENTS FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
 - B) ALL DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER PRIOR TO THE COMPLETION OF THE PROJECT. AREAS EXPOSED FOR EXTENDED PERIODS ARE TO BE COMPLETELY COVERED WITH SPREAD HAY MULCH.
 - C) CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SUMPS ARE TO BE CLEANED IMMEDIATELY FOLLOWING INSTALLATION OF PERMANENT PAVEMENT.
 - D) AREAS ARE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER.
 - E) ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
8. THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
9. UPON COMPLETION OF CONSTRUCTION OF SITE IMPROVEMENTS AND THE STORMWATER DRAINAGE SYSTEM, ALL CATCH BASINS AND STORM DRAIN PIPING SHALL BE CLEANED OF SEDIMENT. DETENTION BASINS SHALL BE CLEANED OF SEDIMENT TO THE DESIGN GRADES INDICATED.
10. AT NO TIME DURING CONSTRUCTION SHALL THE SUBGRADE OF THE SITE BE SUCH THAT SURFACE RUNOFF WILL BE PERMITTED TO DIRECTLY ENTER ANY DRAINAGE STRUCTURE. A TEMPORARY DEPRESSED AREA AROUND THE STRUCTURE SHALL BE INCORPORATED AS A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH HAYBALES AROUND THE COMPLETE PERIMETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
11. HAYBALE EROSION CHECKS SHALL BE MAINTAINED AROUND ALL CATCH BASINS UNTIL ALL UPGRADIENT DISTURBED AREAS ARE STABILIZED BY PAVEMENT OR VEGETATION.
12. ALL COMPONENTS OF THE DRAINAGE SYSTEM MUST BE CLEANED OF SEDIMENT BY THE APPLICANT OR HIS REPRESENTATIVE IMMEDIATELY AFTER CONSTRUCTION IS COMPLETED.
13. INSPECT TEMPORARY DIVERSIONS AND THEIR COMPONENTS ONCE A WEEK AND AFTER EVERY RAINFALL. DAMAGE CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY SHOULD BE REPAIRED BEFORE THE END OF EACH WORKING DAY. A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH HAYBALES AROUND THE COMPLETE PERIMETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
14. CHECK DAMS SHALL BE INSTALLED EVERY 300 FEET FOR SLOPES OF 1% OR LESS, EVERY 200 FEET FOR SLOPES OF 2%, EVERY 150 FEET FOR SLOPES OF 3% TO 5%, AND EVERY 100 FEET FOR SLOPES OF 5% OR GREATER.
15. SEDIMENTS SHOULD BE REMOVED FROM THE CHECK DAM WHEN IT REACHES ONE-HALF THE DAM HEIGHT.

EROSION CONTROL AND SOIL STABILIZATION PROGRAM:

1. DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS THE INACTIVE WINTER SEASONS.
2. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, 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.
3. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
4. ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN-PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
5. THE TOPSOIL 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 RHODE ISLAND STANDARD SPECIFICATION M.20.01.
6. THE SEED MIX SHALL BE INOCULATED WITHIN 24-HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
7. THE DESIGN MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDING SHALL BE COMPRISED OF THE FOLLOWING:

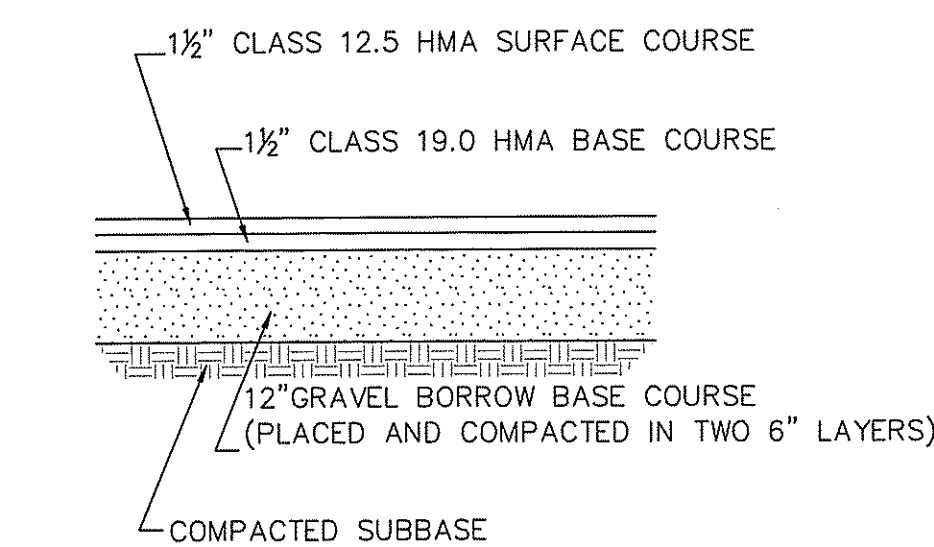
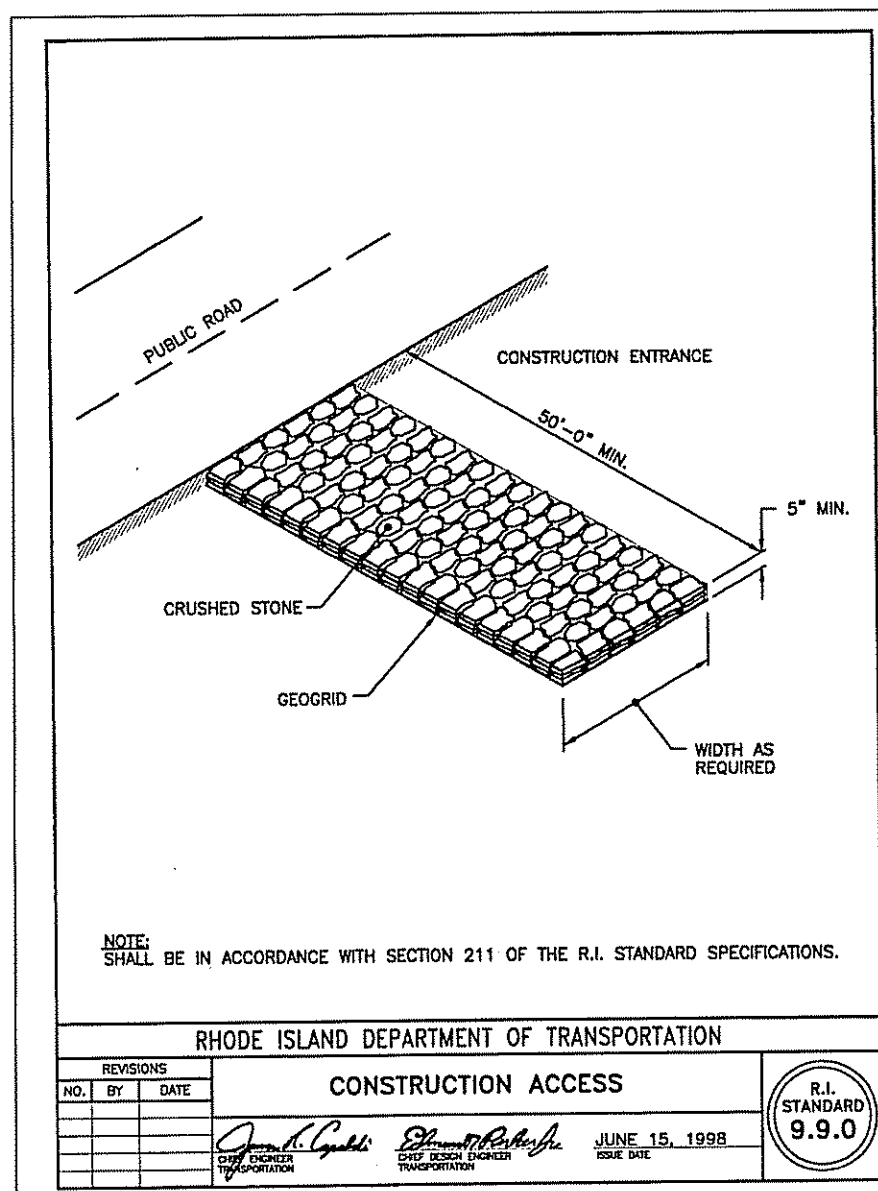
TYPE	% BY WEIGHT	SEEDING DATE
CREEPING RED FESCUE	70	APRIL 1 - JUNE 15
ASTORIA BENTGRASS	5	AUGUST 15 - OCTOBER
BIRDFOOT TREFOIL	15	
PERENNIAL RYEGRASS	10	
8. APPLICATION RATE: 100 LBS/ACRE
LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.
9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL AND EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILE SHALL ALSO BE SEEDING AND/OR STABILIZED.
13. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
14. TREES TO BE RETAINED SHALL BE FENCED OR ROPED OFF TO PROTECT THEM FROM CONSTRUCTION EQUIPMENT.
15. ALL PROPOSED PLANTINGS MUST BE ACCOMPLISHED AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION, AND AT LEAST PRIOR TO ANY ON-SITE OCCUPANCY.
16. ALL PROPOSED PLANTINGS MUST BE MAINTAINED BY THE PROPERTY OWNER TO ENSURE SURVIVAL.
17. SHOULD ANY OR ALL OF THE PROPOSED PLANTS FAIL TO SURVIVE AT LEAST ONE (1) FULL GROWING SEASON FROM THE TIME THEY HAVE BEEN PLANTED, THE OWNER SHALL BE FULLY RESPONSIBLE FOR REPLACING AND MAINTAINING THE SAME PLANT SPECIES FOR ONE (1) ADDITIONAL GROWING SEASON.
18. ALL DISTURBED AREAS MUST BE SEEDING OR PLANTED WITHIN THE CONSTRUCTION SEASON.
19. TEMPORARY SEEDING MUST BE DONE WITHIN ONE (1) MONTH AFTER DISTURBANCE.
20. ALL DISTURBED AREAS MUST BE PERMANENTLY SEEDING OR PLANTED BEFORE OCTOBER 1ST, IF NOT THEY MUST BE TEMPORARILY SEEDING.
21. SLOPES CONSTRUCTED AT, OR STEEPER THAN, 15% SHALL HAVE TEMPORARY EROSION CONTROL MATTING UTILIZED AS A SUPPORTIVE METHOD IN ADDITION TO THE METHODS DESCRIBED ABOVE.
22. ALL PROPOSED INLETS AND OUTLETS SHALL BE PROTECTED WITH RIPRAP BOTH TEMPORARILY AND PERMANENTLY. SEE DETAIL THIS SHEET.



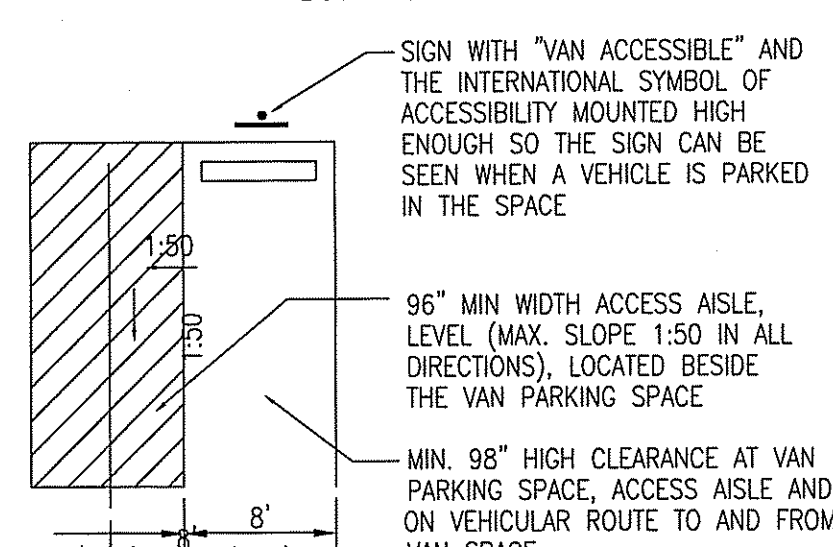
TYPICAL UTILITY TRENCH DETAIL

NOTE:

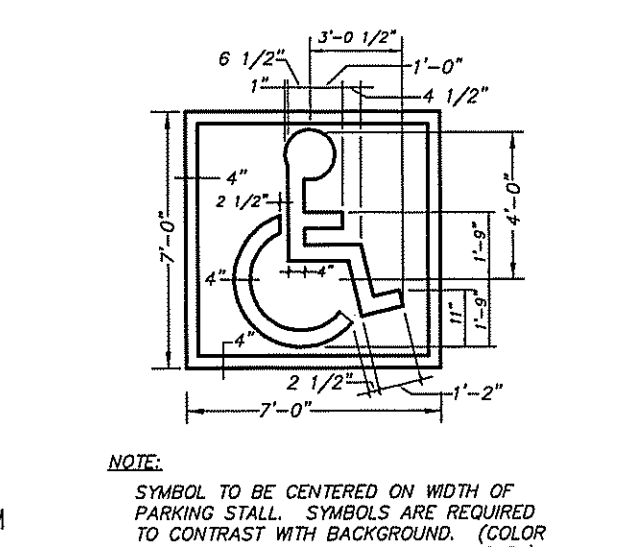
MATERIAL USED FOR BACK FILLING TO A POINT 2 FEET OVER THE PIPE SHALL CONTAIN NO STONES LARGER THAN 3 INCHES IN GREATEST DIMENSION, REMAINING BACK FILL SHALL CONTAIN NO STONES LARGER THAN 12" IN GREATEST DIMENSION



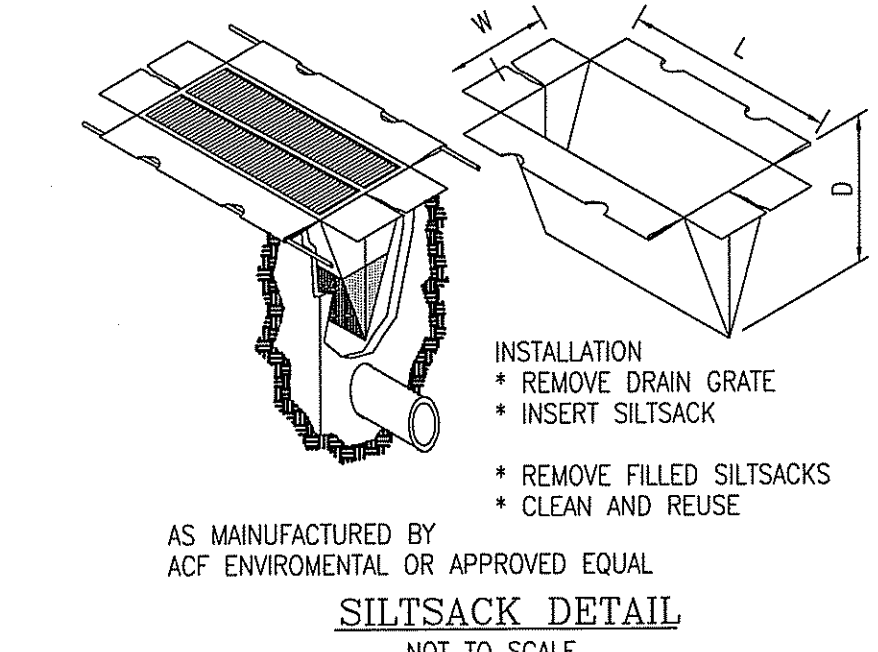
SITE PAVEMENT TYPICAL CROSS SECTION



HANDICAPPED PARKING SPACES



HANDICAPPED PARKING SYMBOL



SILT SACK DETAIL

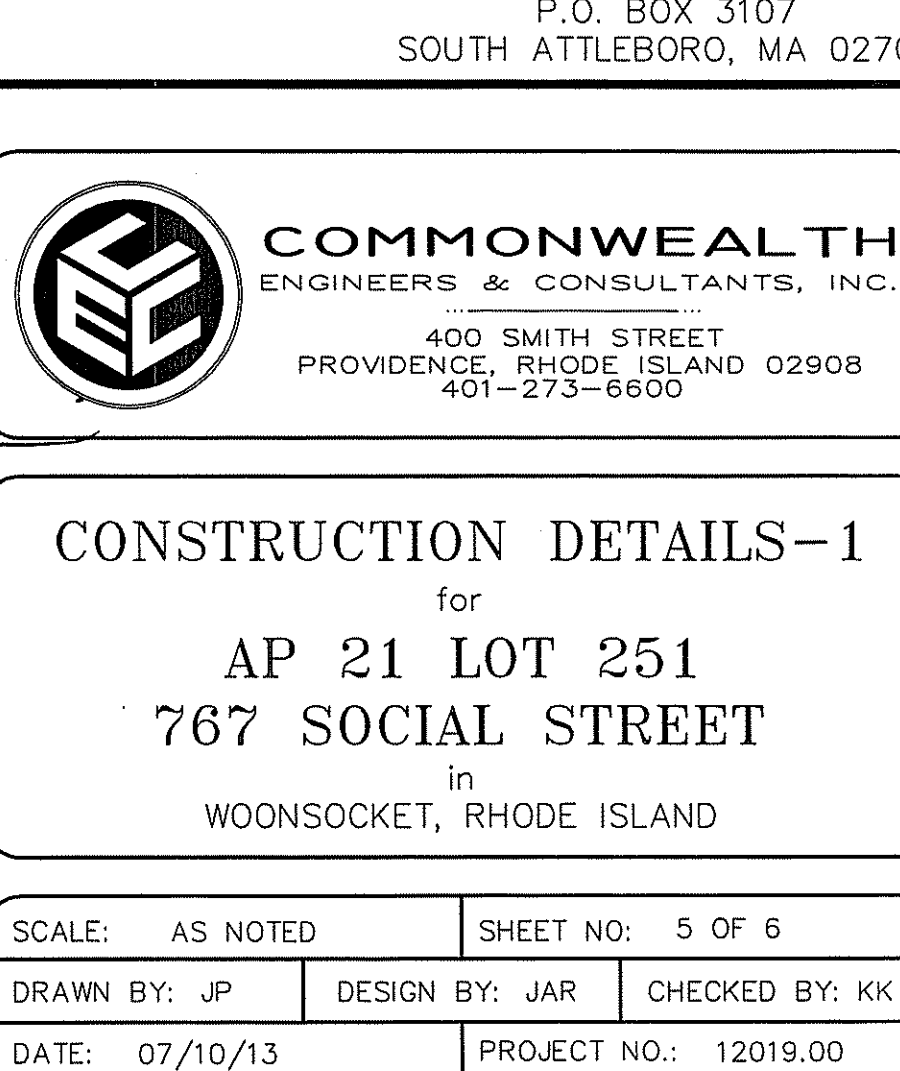
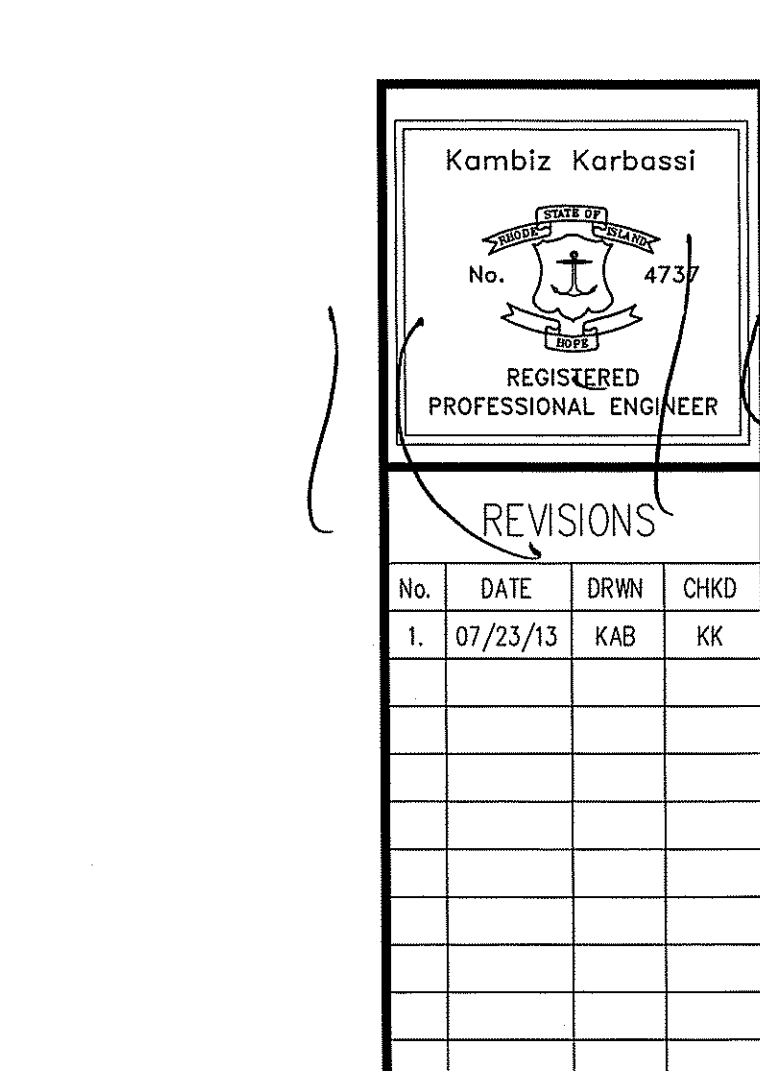
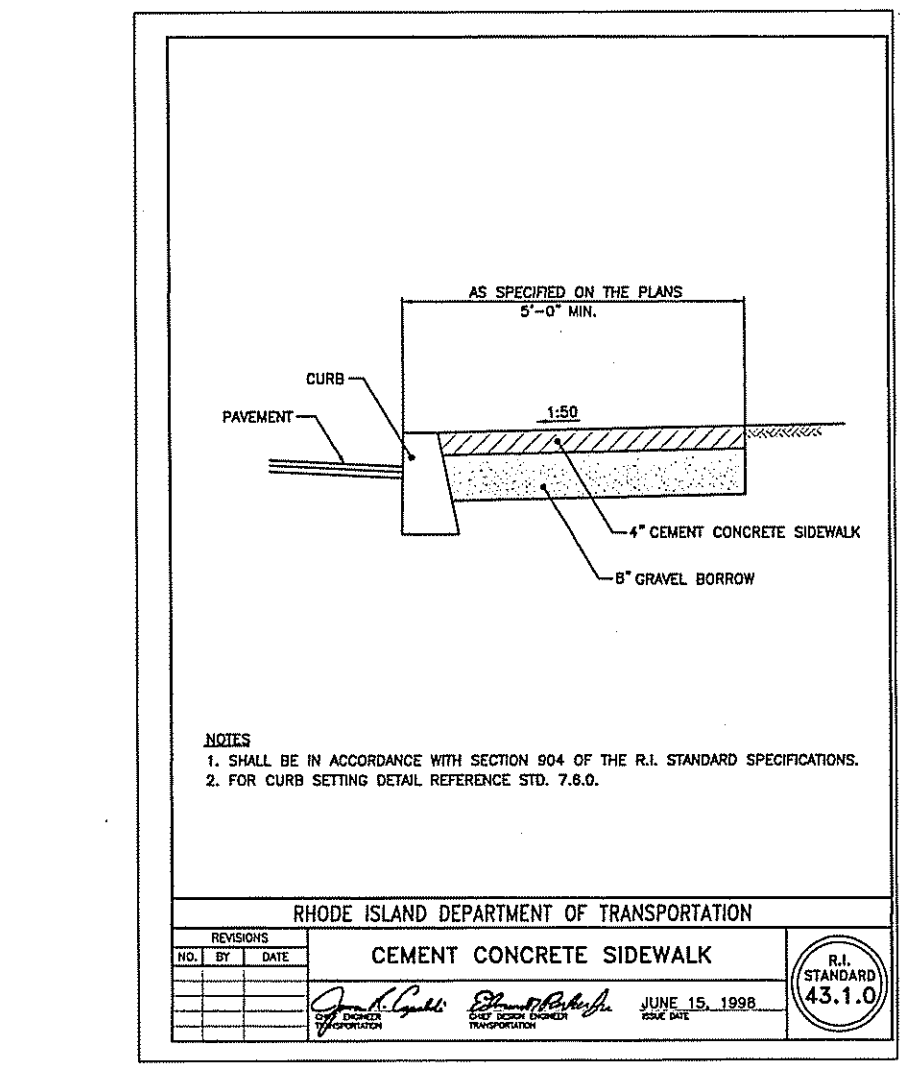
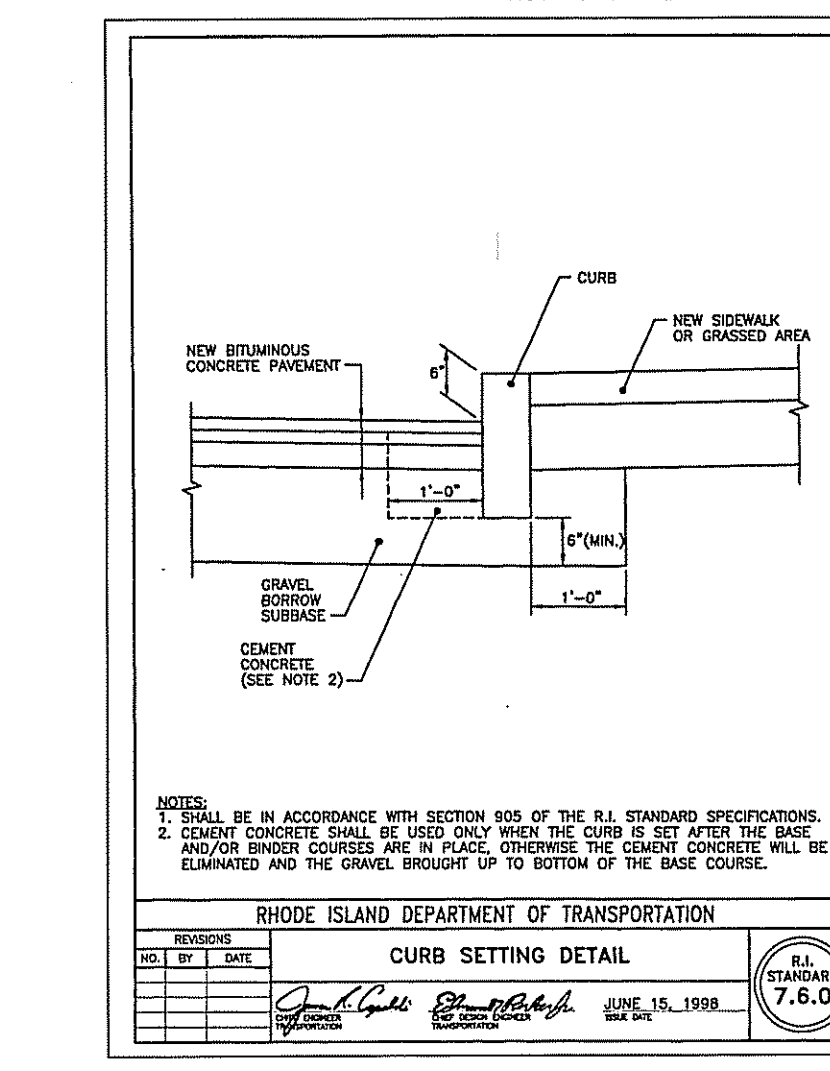
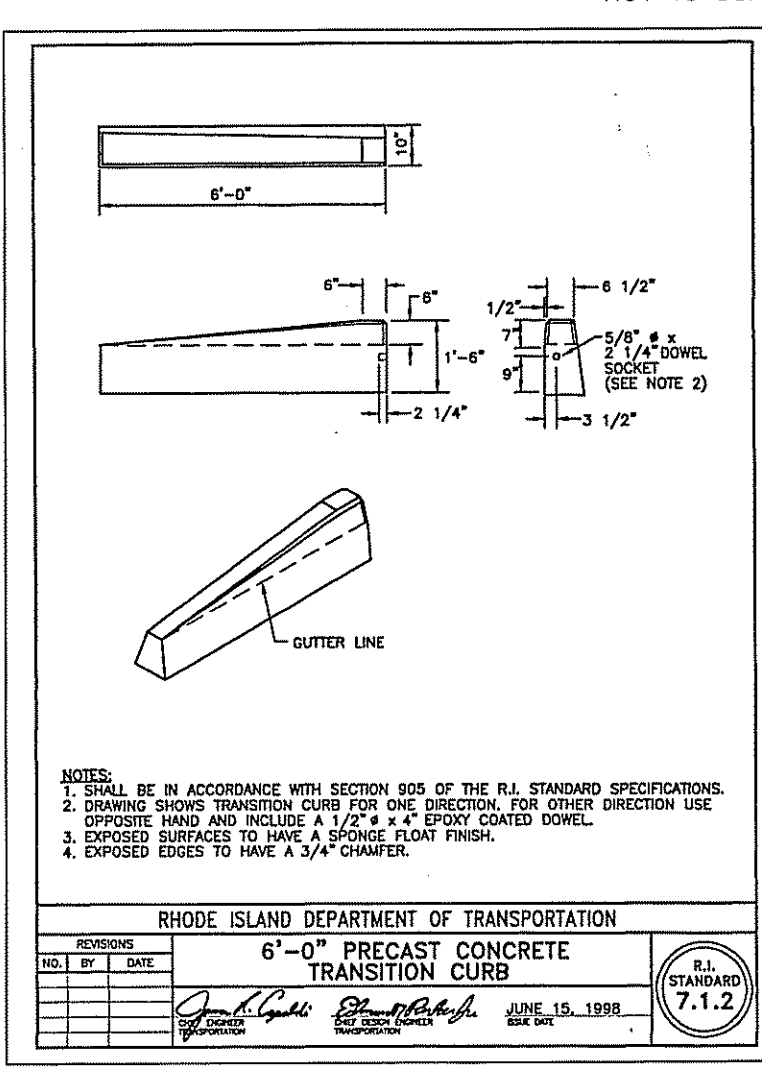
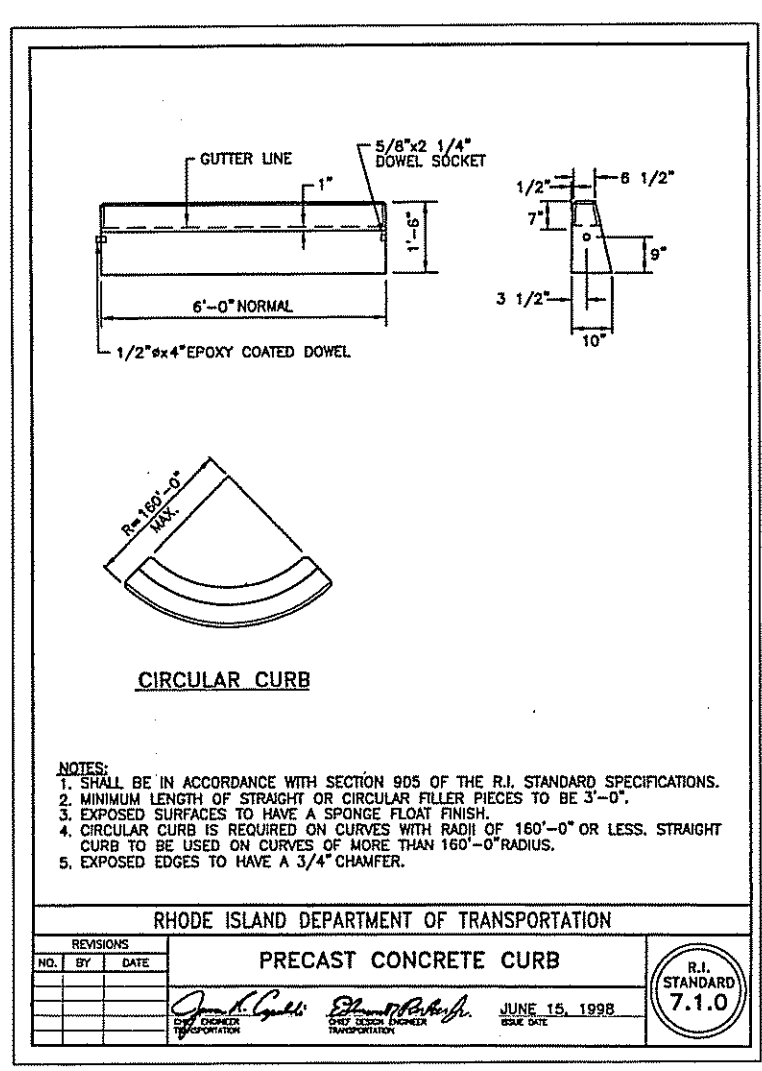
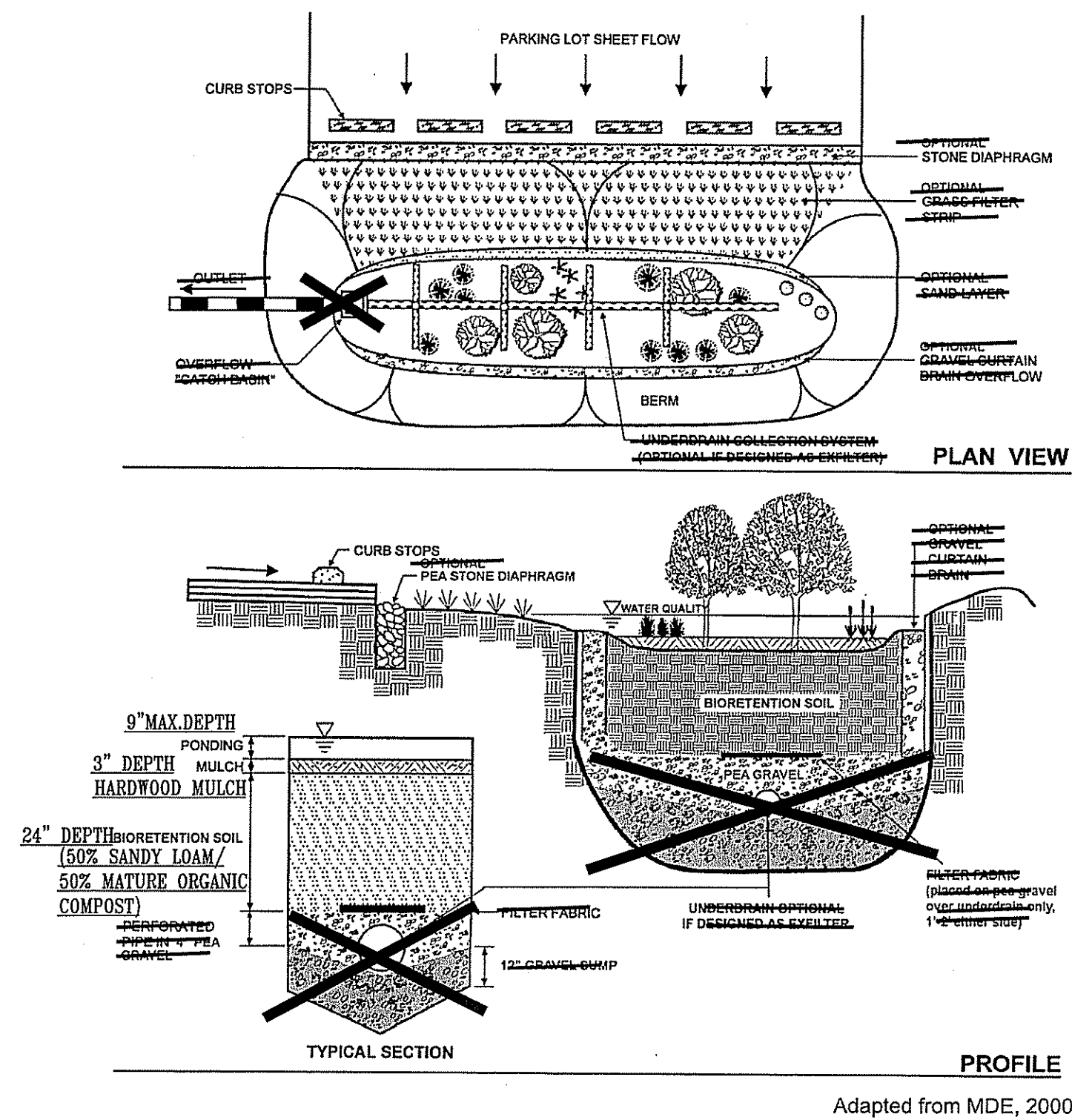


Figure 5-14 Bioretention



RAINGARDEN/BIORETENTION DETAIL

5.0 STRUCTURAL STORMWATER TREATMENT PRACTICES FOR MEETING WATER QUALITY CRITERIA

5-45

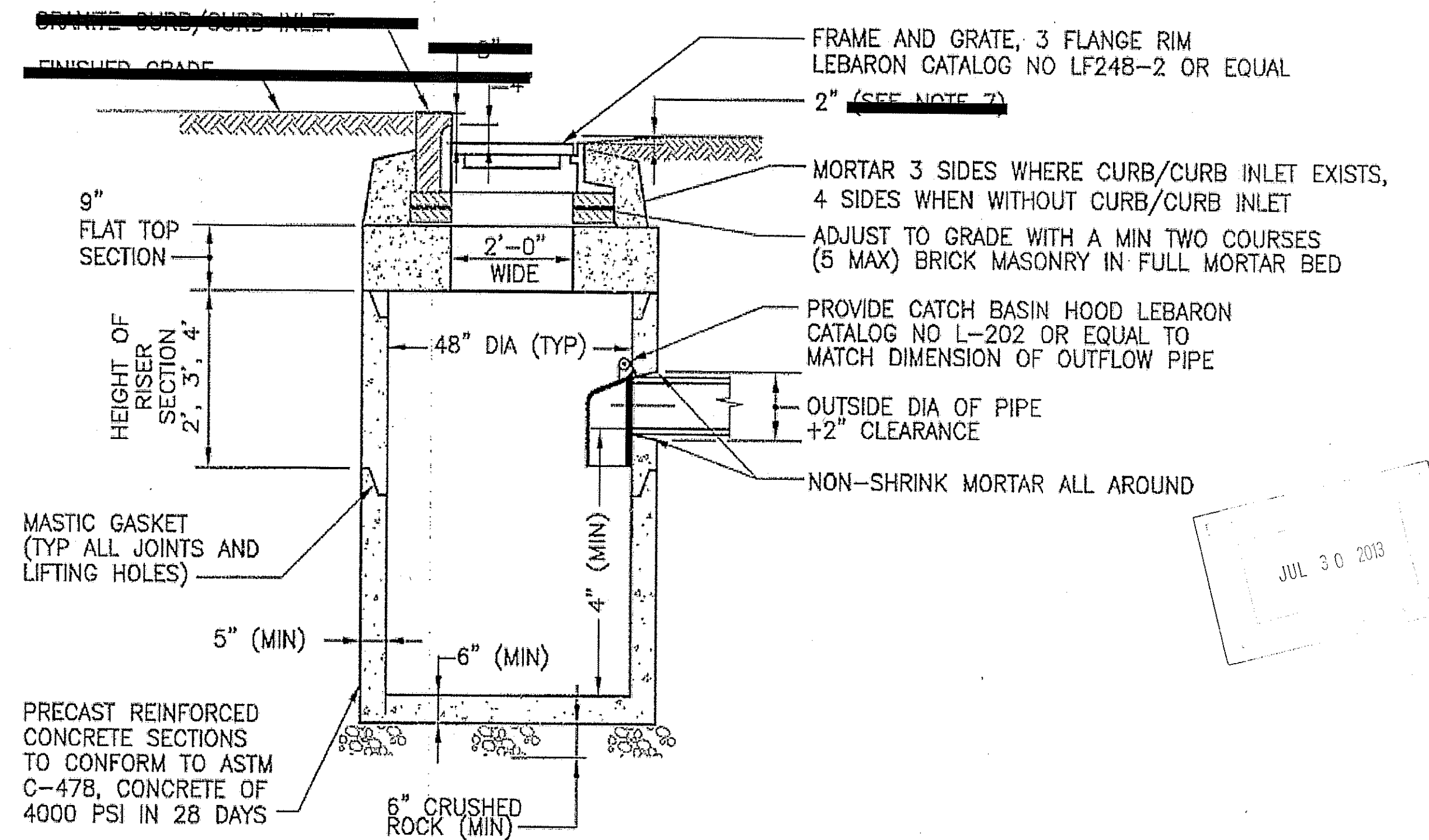
5.5.6 Maintenance

Required Elements

- A legally binding and enforceable maintenance agreement shall be executed between the facility owner and the responsible authority to ensure the following:
 - Sediment shall be cleaned out of the sediment forebay when it accumulates to a depth of more than 1/2 the design depth. Vegetation within the sediment forebay shall be limited to a height of 18 inches. The sediment chamber outlet devices shall be cleaned/repared when drawdown times exceed 36 hours. Trash and debris shall be removed as necessary.
 - Silt/sediment shall be removed from the filter bed when the accumulation exceeds one inch. When the filtering capacity of the filter diminishes substantially (i.e., when water ponds on the surface of the filter bed for more than 48 hours), the top few inches of discolored material shall be removed and shall be replaced with fresh material. The removed sediments shall be disposed in an acceptable manner at an approved and permitted location.
- For unique installations in extremely tight sites or redevelopment/infill projects where pretreatment strips have been downsized, enhanced maintenance shall be required through more frequent inspections, more frequent sediment removal, and enhanced landscape maintenance.
- During the six months immediately after construction, filter practices shall 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, inspections shall be conducted on an annual basis and after storm events of greater than or equal the 1-year, 24-hour Type III precipitation event.

Design Guidance

- Organic filters or sand filters that have a grass cover should be mowed a minimum of three times per growing season to maintain maximum grass heights less than 12\"/>



6.5.3 Deep Sump Catch Basin Maintenance Required Elements

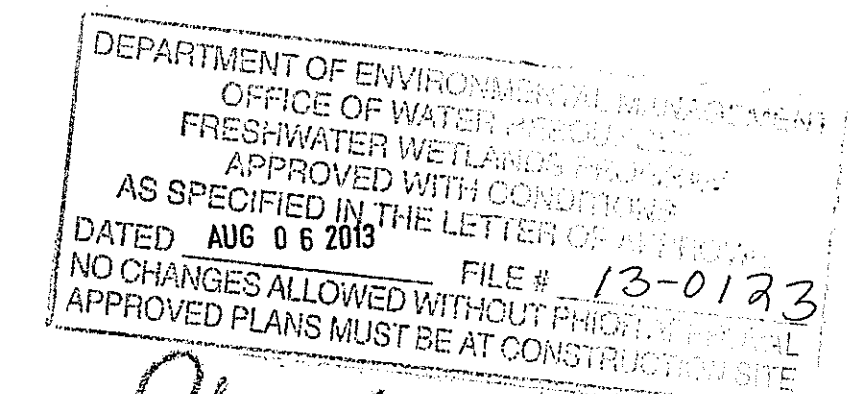
- Inspections shall be performed a minimum of 2 times a year (spring/fall). Units shall be cleaned annually and whenever the depth of sediment is greater than or equal to half the sump depth.
- The inlet grate shall not be welded to the frame so that the sump can be easily inspected and maintained.
- Sufficient maintenance access shall be considered when designing the geometry of deep sump catch basins.

PLANT LIST - Bioretention Seed Mix

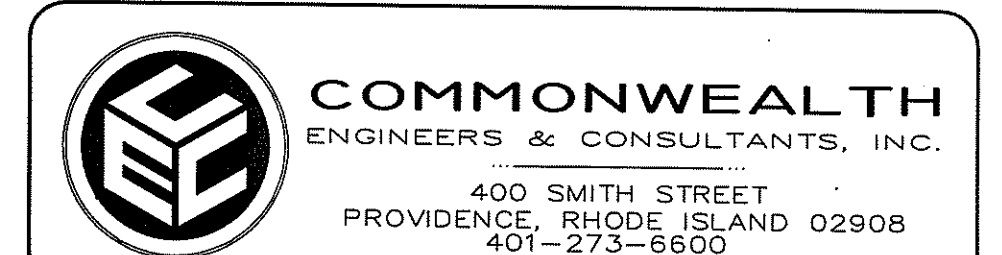
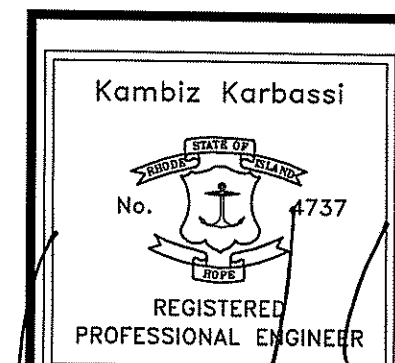
BOTANICAL NAME	COMMON NAME	QTY.
PERENNIALS		
Asclepias tuberosa	Butterfly Milkweed	0.02 lb
Baptisia australis	Blue False Indigo	0.04 lb
Echinacea purpurea	Purple Cone Flower	0.10 lb
Eupatoriadelphus maculatus	Spotted Joe Pye Weed	0.01 lb
Eupatorium perfoliatum	Boneset	0.01 lb
Eupatorium purpureum	Purple Joe Pye Weed	0.01 lb
Rudbeckia fulgida 'Goldstrum'	Orange Coneflower	0.03 lb
Senna hebecarpa	American Senna	0.03 lb
Symphytichum novae-angliae	New England Aster	0.03 lb
Solidago sempervirens	Seaside Goldenrod	0.02 lb
GRASSES		
Andropogon gerardii	Big Bluestem	0.10 lb
Carex stricta	Tussock Sedge	0.01 lb
Panicum virgatum	Switchgrass	0.10 lb
Schizachyrium scoparium	Little Bluestem	0.49 lb

SEEDING NOTE:
Mix shall be applied at 20 lbs./acre or 0.5 lbs/1000 square feet.
A cover crop of 30 lbs/acre or 0.7 lbs/1000 square feet of grain oats if seeding is done in the spring.

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



OWNER/APPLICANT
RLB REALTY LLC
C/O MR. RAYMOND BOURQUE
P.O. BOX 3107
SOUTH ATTLEBORO, MA 02703



REVISIONS			
No.	DATE	DRWN	CHKD

CONSTRUCTION DETAILS-2
for
AP 21 LOT 251
767 SOCIAL STREET
in
WOONSOCKET, RHODE ISLAND

SCALE: AS NOTED		SHEET NO: 6 OF 6	
DRAWN BY: JP	DESIGN BY: JAR	CHECKED BY: KK	
DATE: 07/23/13		PROJECT NO.: 12019.00	