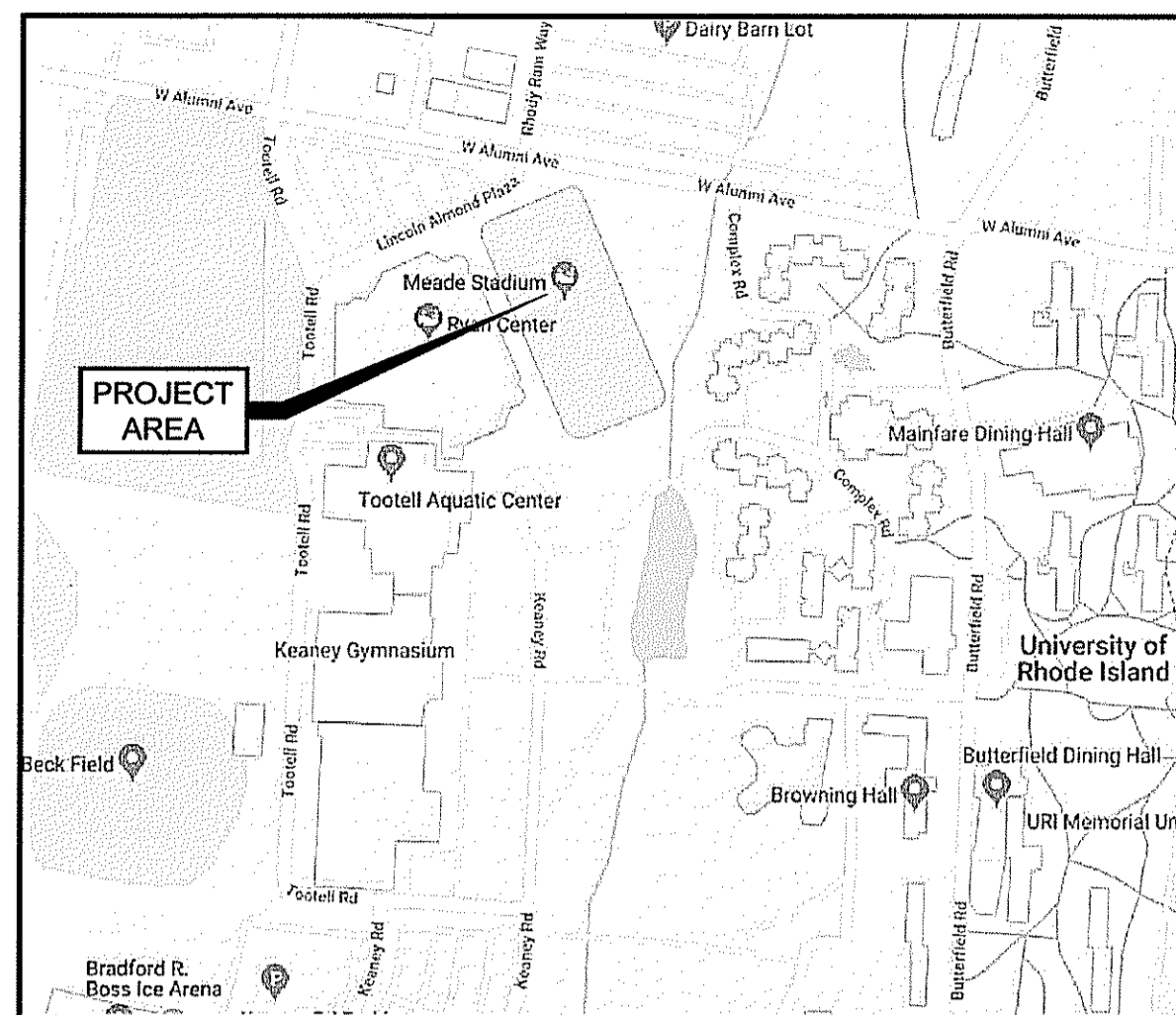


UNIVERSITY OF RHODE ISLAND

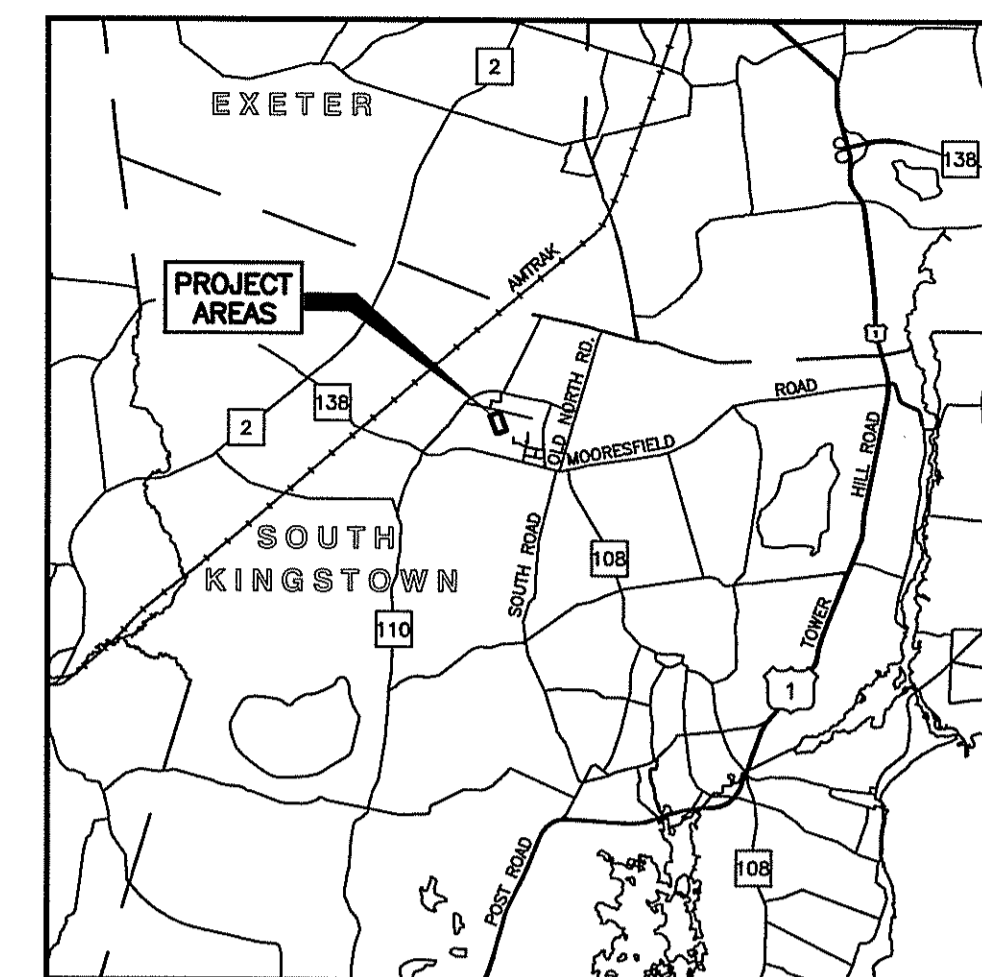
Office of Capital Projects

PLANS AND DETAILS OF MEADE STADIUM FIELD TURF & LIGHTING IMPROVEMENTS KINGSTON, RHODE ISLAND

PROJECT NO. KC.A.MEAD.2018.001



LOCATION MAP
NOT TO SCALE



LOCATION MAP
SCALE: 1" = 2 Miles

THE UNIVERSITY OF RHODE ISLAND

INDEX

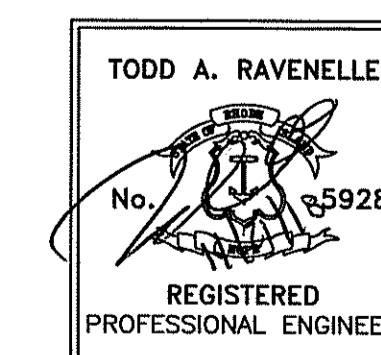
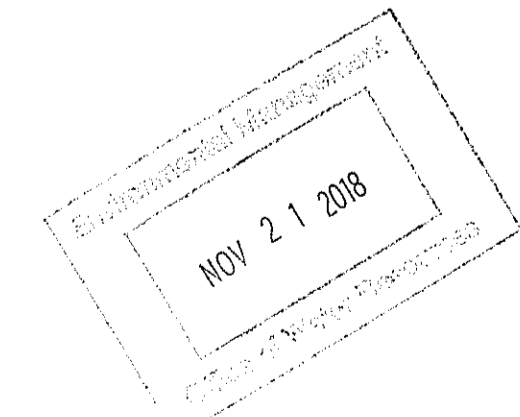
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	NOTES & LEGEND
3	EXISTING CONDITIONS PLAN
4	GENERAL PLAN AND EROSION CONTROL
5	GRADING AND DRAINAGE PLAN
6 - 8	DETAILS 1 - 3



NOVEMBER 2018

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 14 2018 FILE # 18-0278
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

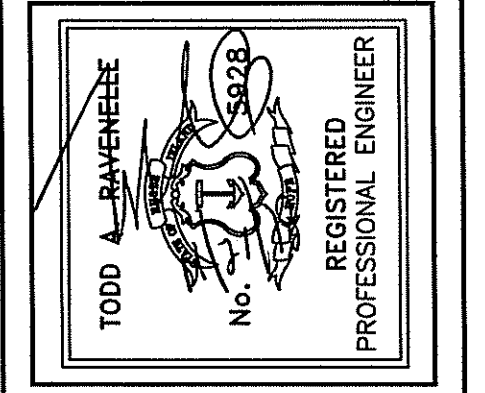
Chris A. [Signature]



RIDEM PERMIT SUBMISSION
REVISED NOVEMBER 21, 2018



Number of Sheet 1
Total Sheets 8



DRAWING TITLE		REVISIONS	
LEGEND & NOTES		NO.	DATE

MATERIAL NOTES

- GRAVEL BORROW AND CRUSHED STONE SHALL MEET THE REQUIREMENTS OF THE RIDOT STANDARD SPECIFICATIONS, SECTION M.01.09, TABLE I, COLUMNS I AND II.
- CHOKER STONE SHALL MEET THE REQUIREMENTS OF AASHTO NO. 57.
- SAND SHALL MEET THE REQUIREMENTS OF AASHTO M-6 AND SHALL BE POORLY GRADED.
- "SEPTIC GRAVEL" SHALL MEET THE FOLLOWING CRITERIA OF THE RIDEM'S OWTS RULES, SECTION 32.12:

SIEVE SIZE	% PASSING
3/4"	90% - 100%
#4	55% - 100%
#10	40% - 100%
#40	10% - 50%
#100	0% - 20%
#200	0% - 5%

- "SEPTIC GRAVEL" SHALL BE PLACED IN SHALLOW LIFTS AND PROPERLY COMPACTED. THE SURFACE SHALL BE LEVEL AND SCARIFIED.

STORMWATER MAINTENANCE NOTES

- ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
 - MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF CONSTRUCTED STORMWATER MANAGEMENT FACILITIES INCLUDING ALL NECESSARY INSPECTION, CLEANING AND REPAIRS TO FACILITY ELEMENTS INCLUDING ALL PIPING, STRUCTURES, FITTINGS AND OTHER APPURTENANCES.
 - INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BI-MONTHLY IF NO RAINFALL EVENT OCCURS.
- UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION AND CLEANING OF THE DRAINAGE SYSTEM AND ALL ASSOCIATED STRUCTURES.
- AFTER THE COMPLETION OF THE ENTIRE PROJECT TO THE SATISFACTION OF THE ENGINEER, ALL MAINTENANCE OF THE DRAINAGE SYSTEM SHALL THEN BE THE RESPONSIBILITY OF THE UNIVERSITY OF RHODE ISLAND OR THEIR APPOINTED AGENTS.
- OPERATION AND MAINTENANCE OF THE INFILTRATION SYSTEMS SHALL BE CONDUCTED IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE RIDEM REGULATORY PERMITS ISSUED FOR THE CONSTRUCTION OF THE PARKING LOTS PROJECT. WRITTEN NOTIFICATION OF ANY CHANGES TO (A) THE PHYSICAL INFRASTRUCTURE OF SYSTEMS OR (B) THE LONG TERM OPERATION AND MAINTENANCE (O&M) PLAN FOR CONSTRUCTED FACILITIES SHALL BE PROVIDED TO THE RIDEM OFFICE OF WATER RESOURCES.
- PRIOR TO THE PLACEMENT OF THE SEPTIC GRAVEL, SAND AND CRUSHED STONE, THE BOTTOM SURFACE OF THE INFILTRATION SYSTEM SHALL BE INSPECTED AND APPROVED BY THE OWNER. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT DEPOSITED WITHIN THE EXCAVATION WHICH COULD ADVERSELY IMPACT THE UNDERLYING INFILTRATION SYSTEM.

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Chris A. [Signature]

Environmental Management
NOV 21 2018
Office of Water Resources

EROSION AND SEDIMENT CONTROL NOTES

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE EMPLOYED ON THE PROJECT ARE INDICATED ON THE PLANS. CONTROL MEASURES SHALL BE FURNISHED, INSTALLED, MAINTAINED FOR THE DURATION OF CONSTRUCTION, AND SUBSEQUENTLY REMOVED, ALL IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" (UPDATED 2016), AND ANY SITE-SPECIFIC EROSION AND SEDIMENT CONTROL / POLLUTION PREVENTION PLAN INCLUDED IN THE CONTRACT DOCUMENTS.
 - ALL CLEARING, GRADING AND EARTHWORK ACTIVITIES SHALL REMAIN STRICTLY WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE RESTRICTED TO ACTIVITIES NECESSARY FOR COMPLETION OF THE WORK. THE CONTRACTOR SHALL ENSURE THAT ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE REMAIN UNDISTURBED AND PROTECTED FROM CONSTRUCTION IMPACTS.
 - ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS, THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, AND THE APPLICABLE CONDITIONS OF ANY REGULATORY/ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT.
 - PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT LOCATIONS AND AREAS SHOWN ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS; HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION.
 - PERIMETER EROSION CONTROL BARRIERS (STAKED COMPOST FILTER SOCK, SILT FENCE, OR OTHER DEVICES AS INDICATED) SHALL BE INSTALLED IN CONTINUOUS UNINTERRUPTED RUNS AT THE LOCATIONS INDICATED ON THE PLANS AND MAINTAINED IN EFFECTIVE CONDITION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. FOLLOWING SUCCESSFUL STABILIZATION OF DISTURBED AREAS, ALL PERIMETER EROSION CONTROL BARRIERS SHALL BE REMOVED. PRIOR TO REMOVAL OF THE DEVICES, ALL ACCUMULATED SEDIMENT AND DEBRIS TRAPPED BY THE BARRIERS SHALL BE REMOVED AND DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.
 - THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST ONE (1) FOOT INSIDE OF ALL PERIMETER EROSION CONTROL BARRIERS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR (OR ANY AGENT OF THE CONTRACTOR) SHALL BE IMMEDIATELY REMOVED, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS SUBSEQUENTLY IMPLEMENTED AT NO COST TO THE OWNER.
 - UNTIL VEGETATIVE COVER IS ESTABLISHED AND DISTURBED AREAS ARE FULLY STABILIZED, TRAPPED SEDIMENTS SHALL BE PERIODICALLY REMOVED FROM PERIMETER EROSION CONTROL BARRIERS. AT A MINIMUM, MATERIAL SHALL BE REMOVED ONCE THE DEPTH OF ACCUMULATED SEDIMENT REACHES SIX (6) INCHES OR ONE-HALF THE BARRIER HEIGHT, WHICHEVER IS LESS. ALL REMOVED MATERIAL SHALL BE DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.
 - ALL MATERIAL STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE SURROUNDED BY A SECURED PERIMETER OF COMPOST FILTER SOCK.
 - ALL EXISTING AND CONSTRUCTED DRAINAGE SYSTEM INLETS SHALL BE PROVIDED WITH INLET PROTECTION DEVICES (FILTER BAGS/SILT SACKS, SANDBAGS, WATTLES, ETC.) AS INDICATED ON THE PLANS. ALL INLET PROTECTION DEVICES SHALL BE INSTALLED, MAINTAINED, AND CLEANED FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL STORMWATER CONTROLS ARE FULLY STABILIZED AND ONLINE, AT WHICH TIME THEY SHALL BE REMOVED.
 - DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
 - EROSION CONTROL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS EXCEEDING ONE HALF INCH (1/2") IN ANY 24-HOUR PERIOD. WHERE AND WHEN REQUIRED, MAINTENANCE AND REPAIRS SHALL BE COMPLETED WITH 24 HOURS OF THE INSPECTION.
 - DENUDED/UNVEGETATED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH 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.
 - TEMPORARY SURFACE STABILIZATION TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS FIBER MESH, EROSION CONTROL BLANKETS, OR OTHER MATTING. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS DIRECTED BY THE ENGINEER. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 POUNDS PER ACRE (1.9-2.5 POUNDS PER SQUARE YARD). IF NEEDED, TEMPORARY SEEDING (PROVIDED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND EROSION AND SEDIMENT CONTROL GUIDANCE) MAY BE EMPLOYED TO FURTHER MINIMIZE EROSION.
 - TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE, FREE OF SUBSOIL, STONES, ROCKS, ROOTS, BRUSH, REFUSE, CONSTRUCTION DEBRIS AND OTHER DELETERIOUS MATERIALS AND SHALL CONFORM TO SUBSECTION M.18.01 OF THE RIDOT STANDARD SPECIFICATIONS.
 - THE SEEDED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
 - THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING AND BE APPLIED AT A SEEDING RATE OF 100 POUNDS PER ACRE:

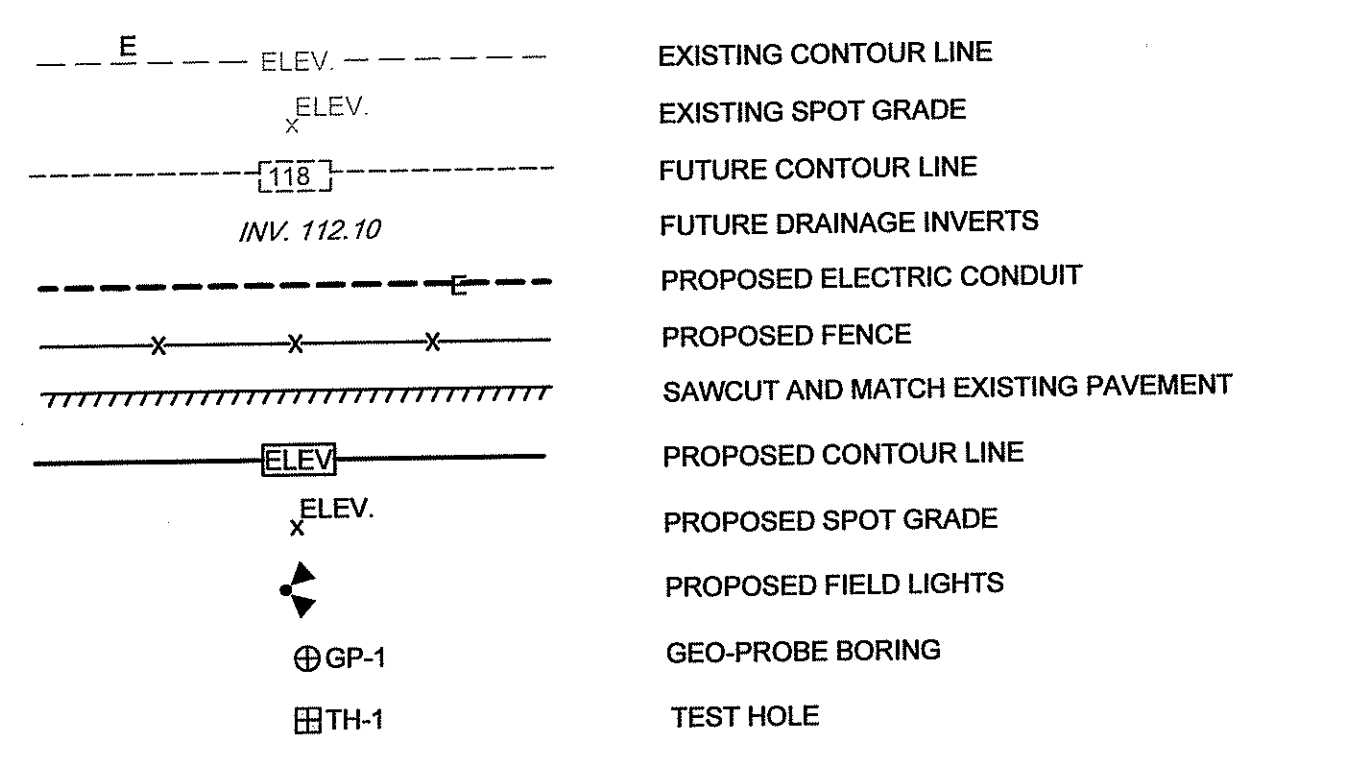
COMPONENT	% BY WEIGHT
RED FESCUE	70
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS	5
PERENNIAL RYEGRASS	10
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - JUNE 1 AND AUGUST 15 - OCTOBER 15.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 14 DAYS OF FINAL GRADING. PLANTING OF GRASS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION.
 - THE CONTRACTOR MUST REPAIR AND OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) CALENDAR YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.

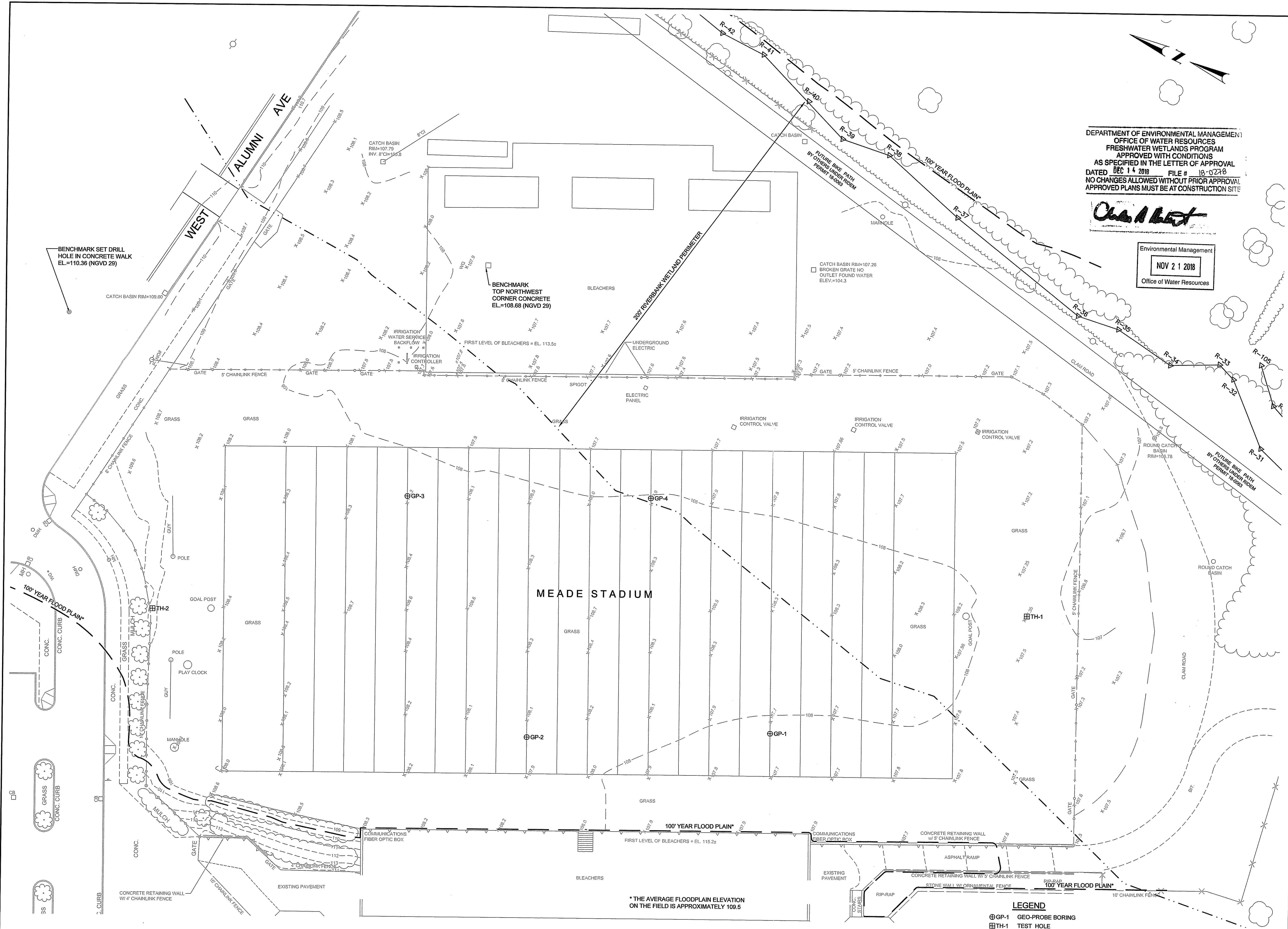
GENERAL NOTES

- REFERENCE IS MADE TO THE LATEST EDITIONS OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (AMENDED AUGUST 2013, INCLUDING ALL SUBSEQUENTLY ISSUED SUPPLEMENTS, REVISIONS, AND ADDENDA) AND THE "RHODE ISLAND STANDARD DETAILS" (1998, INCLUDING ALL SUBSEQUENT REVISIONS, ADDITIONS AND DELETIONS ISSUED BY THE RIDOT). ALL PROJECT SITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE STANDARDS SET FORTH IN THESE DOCUMENTS (AND THE SUB-REFERENCES INCORPORATED THEREIN) UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
- THE PROJECT LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING (THROUGH PROVISION AND PLACEMENT OF LOAM AND SEED) ANY UNPAVED AREAS OUTSIDE OF THE PROJECT LIMITS OF DISTURBANCE IMPACTED BY CONSTRUCTION OPERATIONS. ANY REQUIRED RESTORATION OUTSIDE THE PROJECT LIMITS OF DISTURBANCE SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
- ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING CURBING, SIDEWALKS, PAVEMENTS, FENCES, OR OTHER SITE FEATURES TO REMAIN IN PLACE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCESS EXCAVATED PAVEMENTS, CURBING, SIDEWALKS, CURB STOPS, AND OTHER CONSTRUCTION WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXCAVATION IN A DRY CONDITION. NO SEPARATE PAYMENT OR ALLOWANCE SHALL BE MADE FOR DEWATERING.
- THE CONTRACTOR SHALL PROVIDE CONTINUOUS DUST CONTROL (USING WATER AND/OR CALCIUM CHLORIDE OR OTHER APPROVED METHODS) FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS AND SURFACES OF BACK FILLED TRENCHES, IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED NOTICES AND COMPLY WITH ALL PERMITS, LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED IN THE CONTRACT DOCUMENTS.
- EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. IN ACCORDANCE WITH CURRENT STATE "DIG SAFE" LAWS AND RULES, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE SYSTEM ELEMENTS AND UTILITIES (BOTH UNDERGROUND AND OVERHEAD) BEFORE ANY EXCAVATION MAY COMMENCE. THE CONTRACTOR IS ADVISED THAT (A) NOT ALL UTILITY PROVIDERS SUBSCRIBE TO THE DIG SAFE PROGRAM, AND (B) IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL POTENTIALLY AFFECTED UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO THE COMMENCEMENT OF WORK. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY MUNICIPAL, STATE OR FEDERAL AGENCY OR AUTHORITY HAVING JURISDICTION OVER THE WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD OR UNMARKED UTILITIES (AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY) SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE CONTRACTOR IS ADVISED THAT WORK UNDER EXISTING OVERHEAD UTILITIES IS REQUIRED, AND THAT MINIMUM CLEARANCES SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. THIS MAY REQUIRE SPECIAL MEANS AND METHODS IN ORDER TO PROPERLY COMPLETE THE WORK. SHOULD THE CONTRACTOR ELECT TO RELOCATE EXISTING OVERHEAD UTILITIES, THEN THE CONTRACTOR SHALL CONDUCT ALL COORDINATION WITH THE AFFECTED UTILITY COMPANIES AND BEAR ALL COSTS ASSOCIATED WITH UTILITY RELOCATIONS NOT INCLUDED IN THE CONTRACT.
- THE CONTRACTOR IS ADVISED THAT THE PROJECT LIMIT IS LOCATED WITHIN A DESIGNATED FLOOD ZONE, DETERMINED TO FLOOD FOR MINIMAL STORM EVENTS. THE UNIVERSITY IS NOT RESPONSIBLE FOR IMPACTS RELATED TO FLOODING DURING CONSTRUCTION.
- PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED OR REMOVED. ANY VARIATION FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, WHEREUPON WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
- ALL EXISTING PIPE, SUBSURFACE STRUCTURES, PAVEMENTS, EXCESS EXCAVATED MATERIALS AND MISCELLANEOUS MATERIALS REMOVED IN THE COURSE OF UTILITY WORK (INSTALLATION OF DRAINAGE, WATER AND SEWER PIPING, ETC.) SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AT AN OFFSITE LOCATION.
- WHERE UNDERGROUND UTILITY CROSSINGS ARE REQUIRED, AT LEAST TWO (2) TEST PITS SHALL BE DUG TO DETERMINE THE LOCATION/DEPTH AND MATERIAL OF THE EXISTING UTILITY.
- UTILITY SERVICES TO EXISTING BUILDINGS AND FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, FRAMES, AND COVERS AS REQUIRED TO MATCH FINISH GRADE.
- THE CONTRACTOR SHALL ENSURE THAT ALL ASPECTS OF THE ATHLETIC FIELD ARE PROPERLY RESTORED AND FUNCTIONING. ALL ASPECTS SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE NCAA CRITERIA.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, FRAMES, AND COVERS AS REQUIRED TO MATCH FINISH GRADE.
- THE CONTRACTOR SHALL UTILIZE THE AREA, AS CALLED OUT ON THE CONTRACT DRAWINGS FOR STOCKPILE AND MATERIAL STORAGE.

LEGEND

- (1.3.0) CONCRETE CONNECTING COLLAR
- (4.2.0) PRECAST 4'-0" ROUND MANHOLE
- (4.6.0) CONCRETE COVER FOR SHALLOW 4'-0" MANHOLES
- (4.7.2) ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS
- (5.3.0) CATCH BASIN AND MANHOLE STEP
- (6.2.1) HEAVY-DUTY ROUND FRAME AND COVER
- (7.1.0) PRECAST CONCRETE CURB
- (7.3.0) GRANITE CURB
- (7.6.0) CURB SETTING DETAIL
- (8.4.0) PAVED WATERWAY
- (31.2.0) (MOD.) CHAIN LINK FENCE 6'-0" WITH TOP RAIL
- (43.1.0) CEMENT CONCRETE SIDEWALK
- (BRW) BLOCK RETAINING WALL
- (CBP) CATCH BASIN INLET PROTECTION (SEE DETAIL)
- (CFS) COMPOST FILTER SOCK (SEE DETAIL)
- (CG) CLEAR AND GRUB
- (CSS) CRUSHED SEA SHELLS
- (ETR) EXISTING TO REMAIN (ITEM)
- (LOD) LIMIT OF DISTURBANCE
- (LS) 6-INCH LOAM AND SEED
- (RD) REMOVE & DISPOSE (ITEM)
- (RDTF) REMOVE & DISPOSE TURF
- (TC) NOTCHED TURF CURB
- (TCF) NOTCHED TURF CURB WITH INTEGRAL FENCE





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Chris A. Bawerle

Environmental Management
 NOV 21 2018
 Office of Water Resources

PROJECT
**MEADE STADIUM FIELD
 TURF PROJECT**
 KINGSTON, RHODE ISLAND

TODD A. BAWERLE
 No. 03958
 REGISTERED
 PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND

Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
EXISTING CONDITIONS PLAN

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1857

DATE: NOVEMBER 2018

SCALE: 1" = 20'

DRAWN BY: TAP

CHECKED BY: TAR

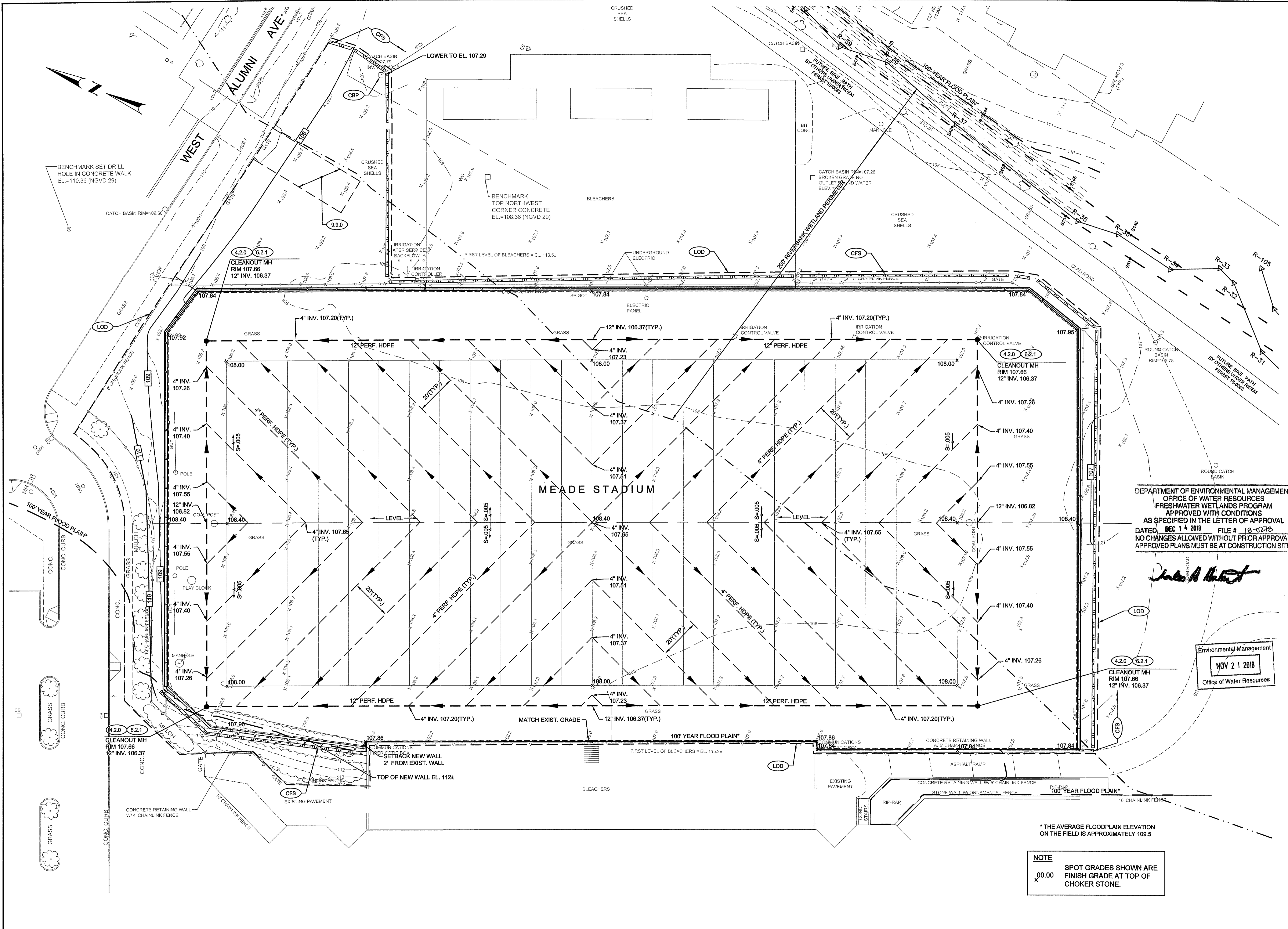
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SHEET 3 OF 8

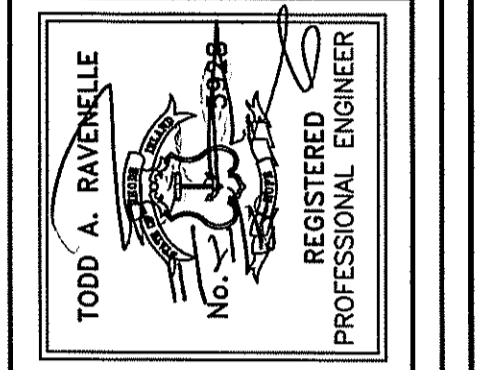
* THE AVERAGE FLOODPLAIN ELEVATION ON THE FIELD IS APPROXIMATELY 109.5

LEGEND
 ⊕ GP-1 GEO-PROBE BORING
 ⊕ TH-1 TEST HOLE

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PROJECT
**MEADE STADIUM FIELD
 TURF PROJECT**
 KINGSTON, RHODE ISLAND



CLIENT
UNIVERSITY OF RHODE ISLAND
 Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
GRADING & DRAINAGE PLAN

NO.	DATE	REVISIONS	BY

PROJECT NO.: 1857
 DATE: NOVEMBER 2018
 SCALE: 1" = 20'
 DRAWN BY: TAP
 CHECKED BY: TAR
 DRAWING NUMBER
5
 SHEET 5 OF 8

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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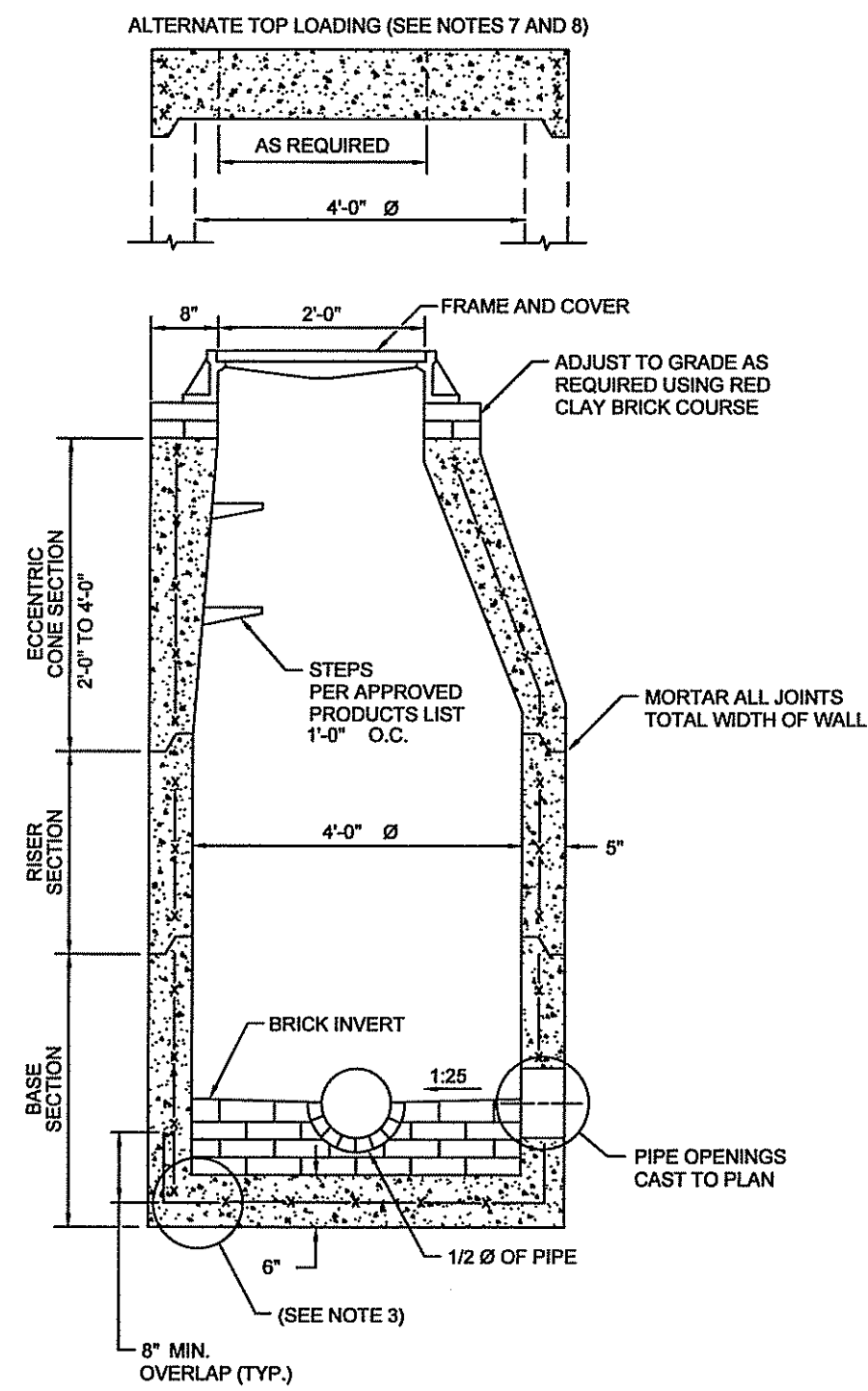
John A. Ravelle

Environmental Management
 NOV 21 2018
 Office of Water Resources

* THE AVERAGE FLOODPLAIN ELEVATION ON THE FIELD IS APPROXIMATELY 109.5

NOTE
 SPOT GRADES SHOWN ARE FINISH GRADE AT TOP OF CHOKER STONE.

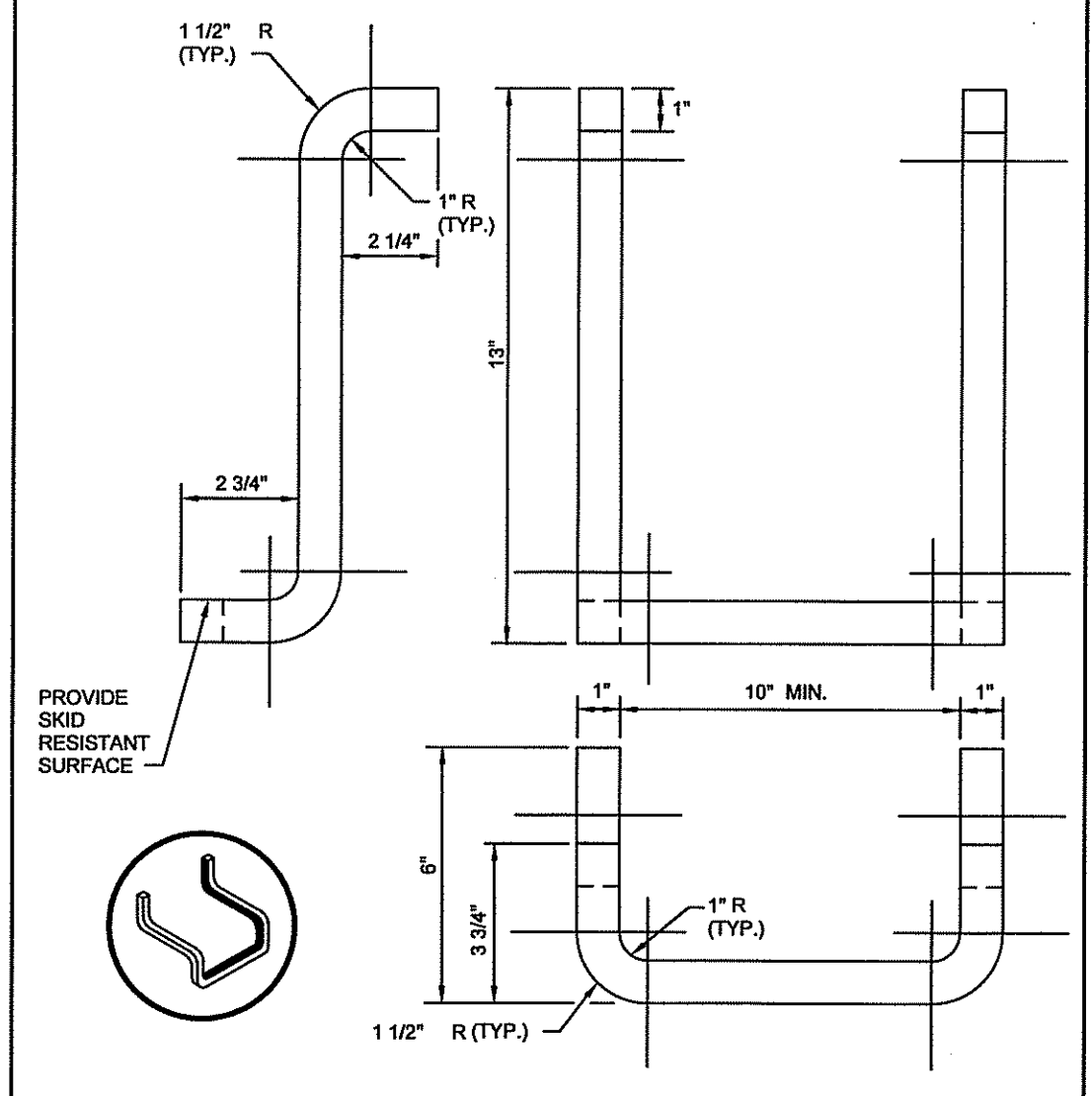
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- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED TO BE 0.12 SQ. IN. / LIN. FT. MINIMUM.
 3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF (SEE NOTE 3) LIN. FT.
 4. ONE POUR MONOLITHIC BASE SECTION.
 5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-20 LOADING (SEE STD. 4.7.2).
 8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
 9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
PRECAST 4'-0" ROUND MANHOLE		
NO.	BY	DATE

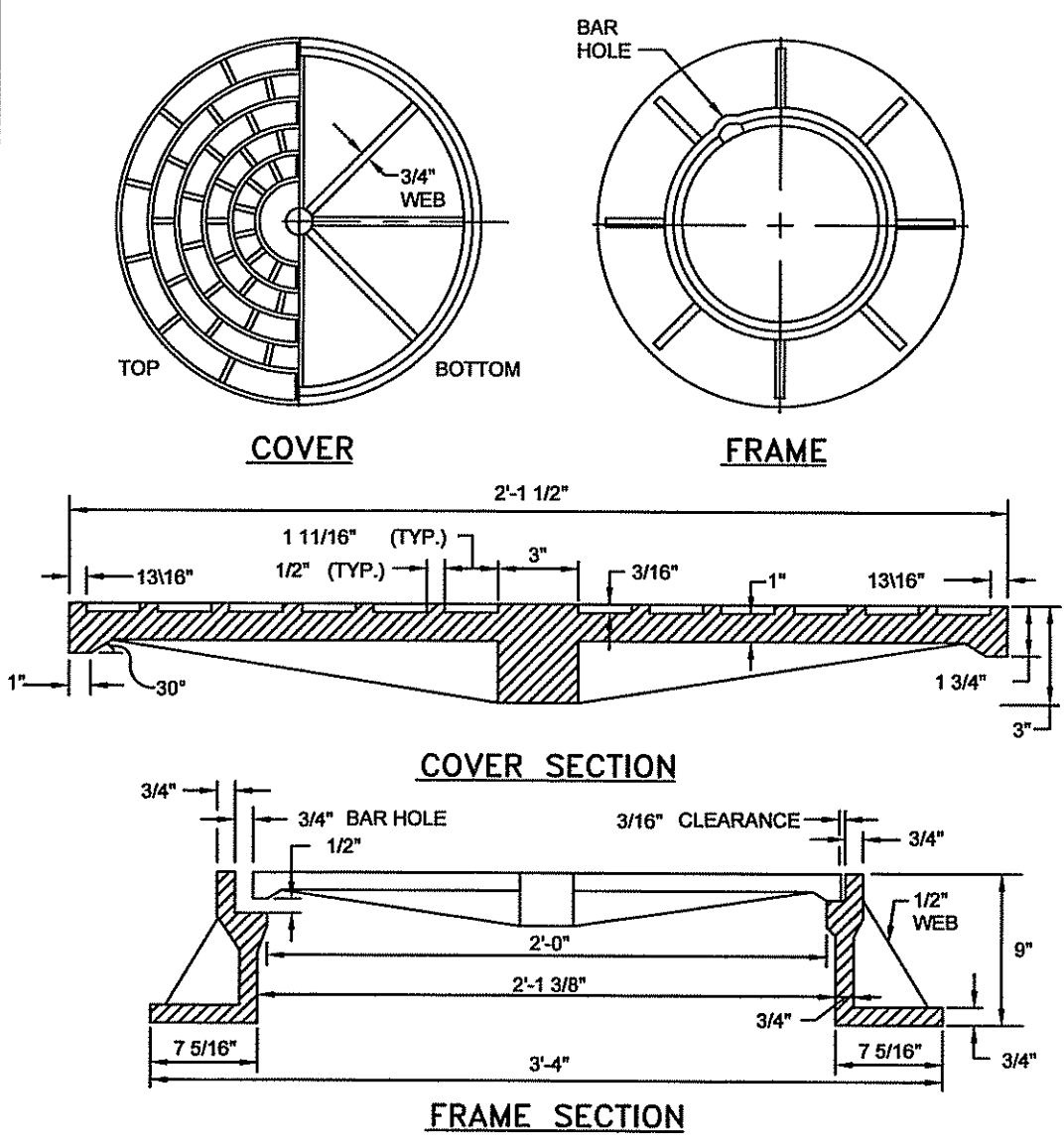
CHIEF ENGINEER: [Signature] JUN 15, 1998
 CHIEF DESIGN ENGINEER: [Signature] JUN 15, 1998
 R.I. STANDARD 4.2.0



- NOTES:
1. STEPS SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CROSS SECTION AREA MAY BE REDUCED UPON SUBMISSION OF CERTIFIED LOAD TESTS. STEPS MUST SUPPORT 300 LBS.
 3. STOCK SHOWN IS SQUARE WHICH MAY BE REPLACED BY DIAMETER.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
CATCH BASIN AND MANHOLE STEP		
NO.	BY	DATE

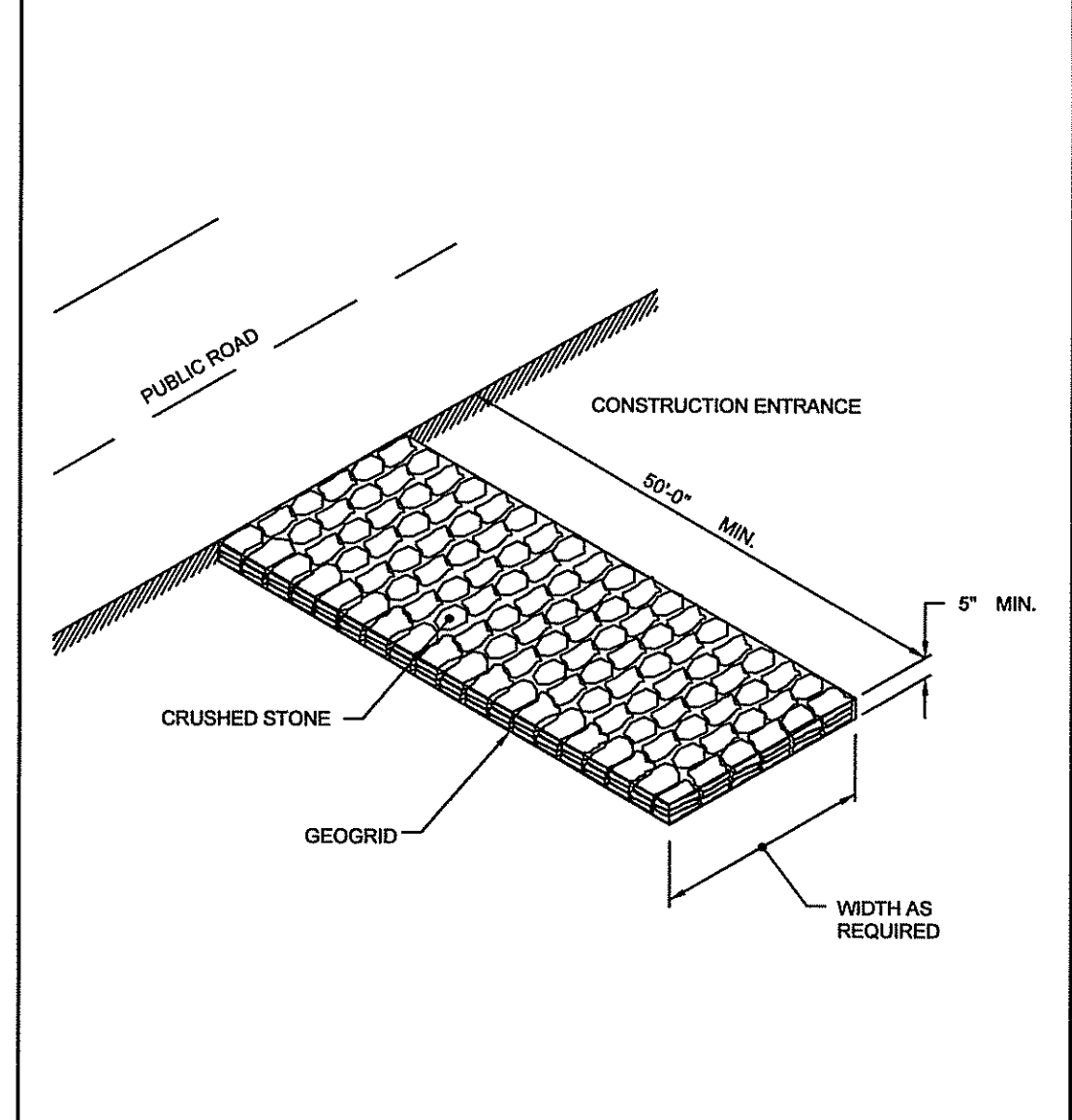
CHIEF ENGINEER: [Signature] JUN 15, 1998
 CHIEF DESIGN ENGINEER: [Signature] JUN 15, 1998
 R.I. STANDARD 5.3.0



- NOTES:
1. FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
HEAVY-DUTY ROUND FRAME AND COVER		
NO.	BY	DATE

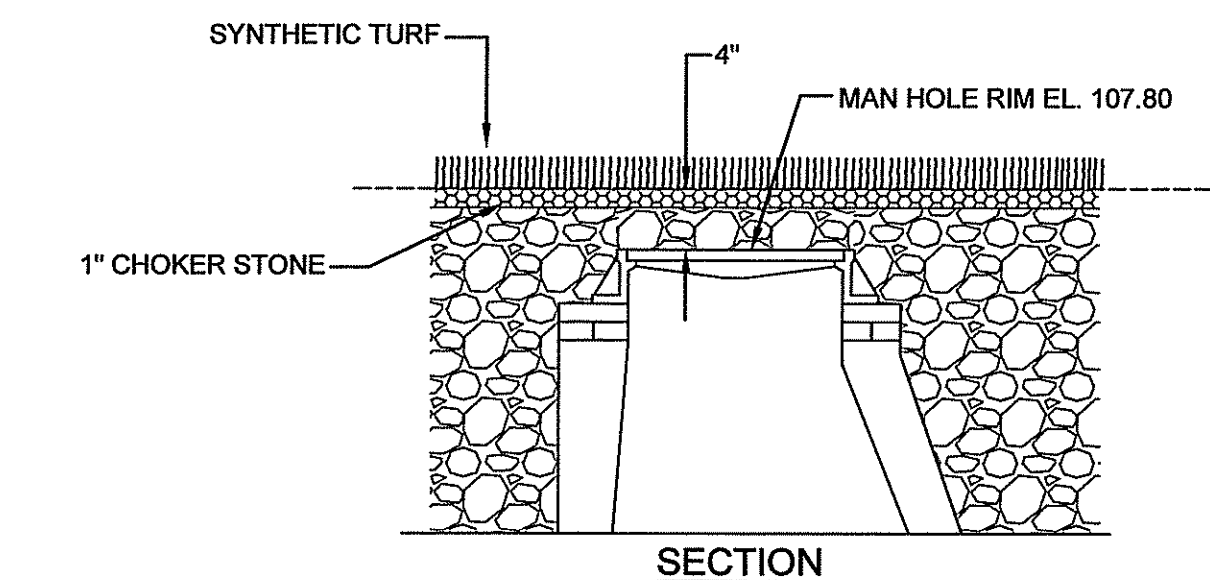
CHIEF ENGINEER: [Signature] JUN 15, 1998
 CHIEF DESIGN ENGINEER: [Signature] JUN 15, 1998
 R.I. STANDARD 6.2.1



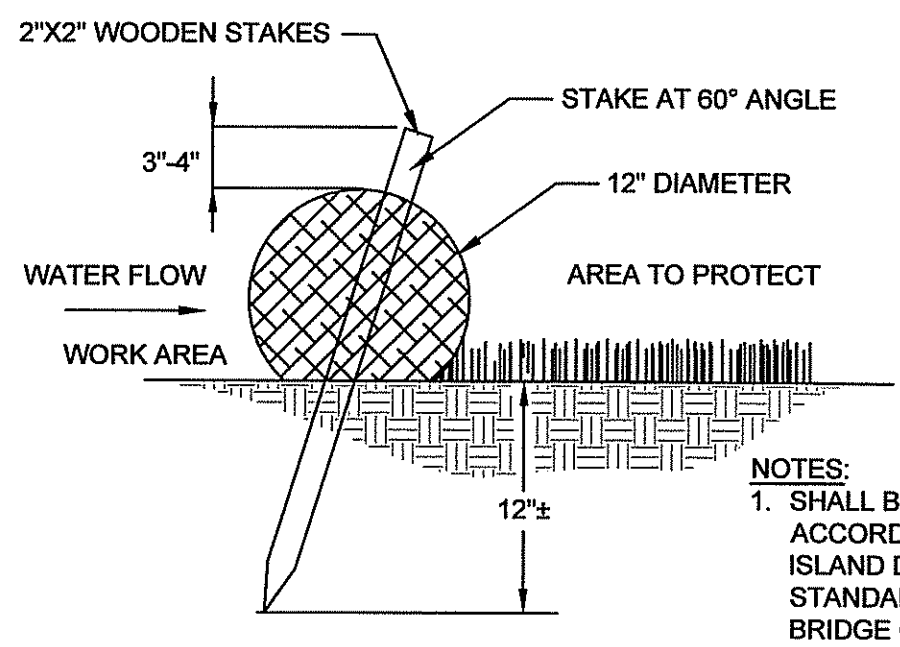
- NOTE:
- SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
CONSTRUCTION ACCESS		
NO.	BY	DATE

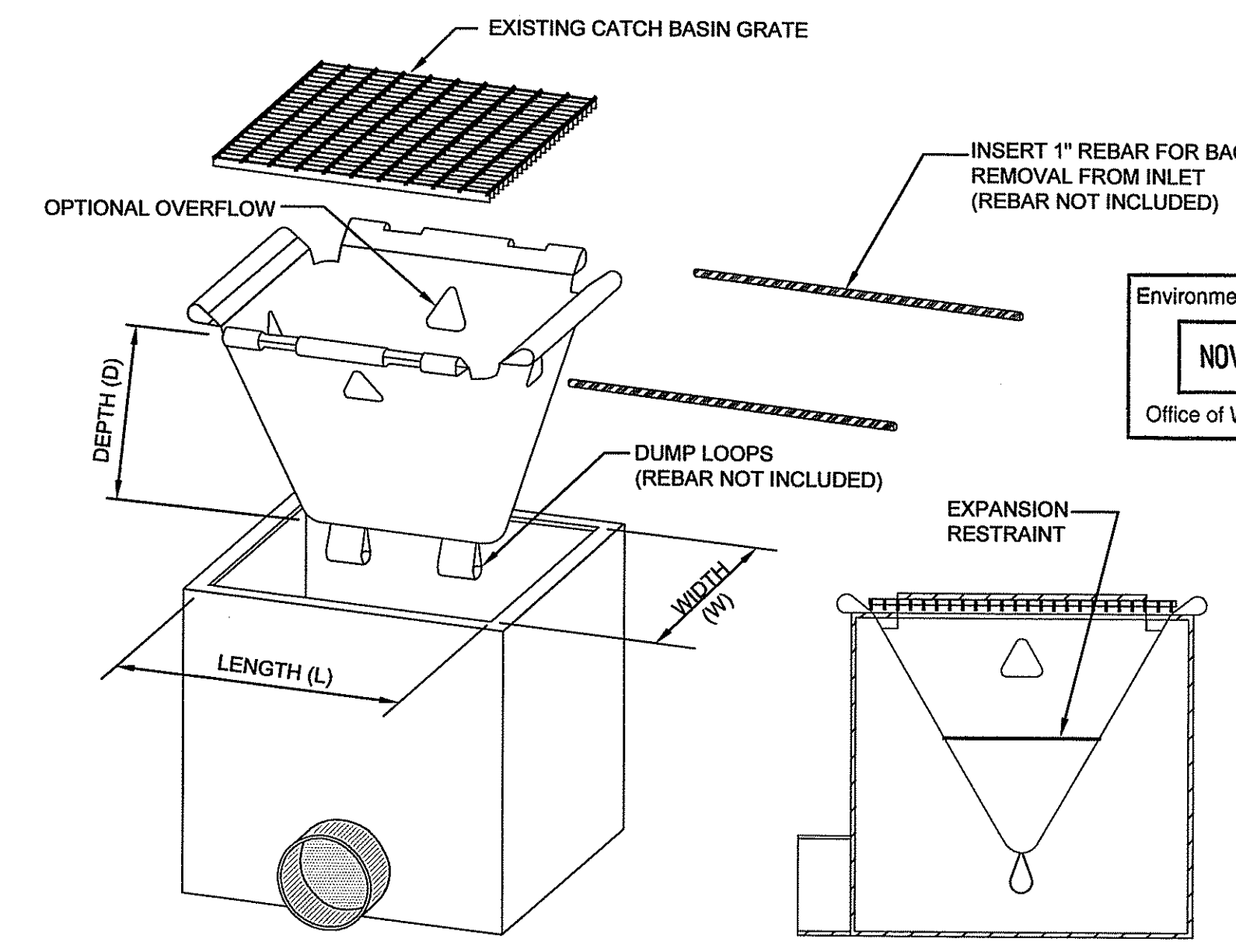
CHIEF ENGINEER: [Signature] JUN 15, 1998
 CHIEF DESIGN ENGINEER: [Signature] JUN 15, 1998
 R.I. STANDARD 9.9.0



MANHOLE ACCESS DETAIL
NOT TO SCALE



12-INCH COMPOST FILTER SOCK (CFS)
NOT TO SCALE



CATCH BASIN INLET PROTECTION (CBP)
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 DEC 14 2018 FILE # 18-0278
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. [Signature]

Environmental Management
 NOV 21 2018
 Office of Water Resources

PROJECT
MEADE STADIUM FIELD TURF PROJECT
 KINGSTON, RHODE ISLAND

TODD A. BRANNELLE
 No. 59228
 REGISTERED PROFESSIONAL ENGINEER

CLIENT
UNIVERSITY OF RHODE ISLAND
 Gordon R. Archibald, Inc.
 Civil and Environmental Engineers
 Pawtucket, Rhode Island

DRAWING TITLE
DETAILS-3

NO.	DATE	BY

PROJECT NO.: 1857
 DATE: NOVEMBER 2018
 SCALE: AS SHOWN
 DRAWN BY: TAP
 CHECKED BY: TAR

DRAWING NUMBER
8
 SHEET 8 OF 8