

LOCATION MAP NOT TO SCALE

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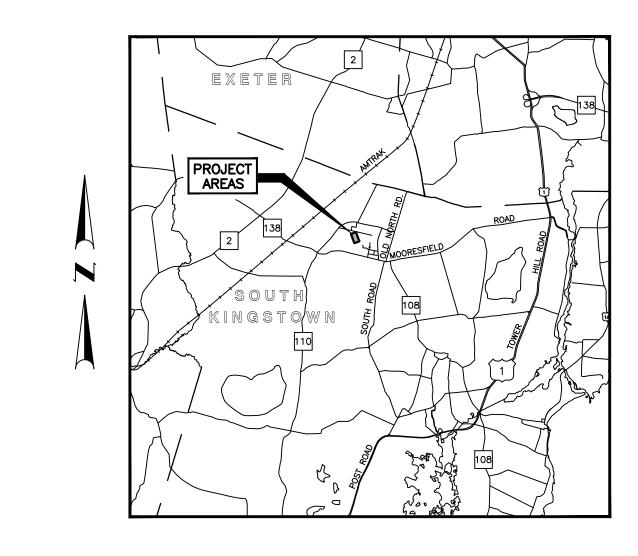
DETAILS 1 - 5

ELECTRICAL PLANS AND DETAILS

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



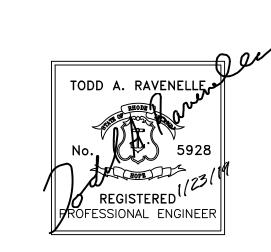
LOCATION MAP

SCALE: 1" = 2 Miles

THE UNIVERSITY OF RHODE ISLAND



JANUARY 2019





Number of Sheet _____1
Total Sheets _____15

<u>LEGEND</u>

CONCRETE CONNECTING COLLAR 4.2.0 PRECAST 4'-0" ROUND MANHOLE 4.4.0 PRECAST 4'-0",5'-0" OR 6'-0" ROUND CATCH BASIN 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 6.3.0 SQUARE FRAME AND GRATE 7.1.0 PRECAST CONCRETE CURB

7.3.0 GRANITE CURB 7.6.0 CURB SETTING DETAIL 8.4.0

(31.2.0) (MOD.) CHAIN LINK FENCE 6'-0" WITH TOP RAIL 43.1.0 CEMENT CONCRETE SIDEWALK

PAVED WATERWAY

UTILITY BOLLARD (SEE DETAIL) BLOCK RETAINING WALL

CATCH BASIN INLET PROTECTION (SEE DETAIL) COMPOST FILTER SOCK (SEE DETAIL)

CG CLEAR AND GRUB CSC

BOL

BRW

CBP

CFS

LS

RS

TCF

CLEAN & SEAL CONCRETE (ITEM) CRUSHED SEA SHELLS

CSS ETR EXISTING TO REMAIN (ITEM) LOD LIMIT OF DISTURBANCE

> 6-INCH LOAM AND SEED REMOVE & DISPOSE (ITEM)

RD RDTF REMOVE & DISPOSE TURF RR REMOVE & RESET (ITEM)

REMOVE & SALVAGE (ITEM)

SLT STADIUM LIGHT TC NOTCHED TURF CURB

NOTCHED TURF CURB WITH INTEGRAL FENCE

— — — — ELEV. — — — — ELEV. -----<u>-</u> 118 -----INV. 112.10 -------____X___X___X

EXISTING SPOT GRADE **FUTURE CONTOUR LINE** FUTURE DRAINAGE INVERTS PROPOSED ELECTRIC CONDUIT PROPOSED FENCE SAWCUT AND MATCH EXISTING PAVEMENT PROPOSED CONTOUR LINE

PROPOSED SPOT GRADE

EXISTING CONTOUR LINE

ELEV.

⊕ GP-1 ⊞TH-1

PROPOSED FIELD LIGHTS **GEO-PROBE BORING**

TEST HOLE

GENERAL NOTES

- 1. 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.
- 2. 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.
- 3. 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
- 4. 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.
- 5. THE CONTRACTOR SHALL MAINTAIN ALL EXCAVATION IN A DRY CONDITION. NO SEPARATE PAYMENT OR ALLOWANCE SHALL BE MADE FOR DEWATERING.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. UTILITY SERVICES TO EXISTING BUILDINGS AND FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- 15. 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.
- 16. THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, FRAMES, AND COVERS AS REQUIRED TO MATCH FINISH GRADE.
- 17. THE CONTRACTOR SHALL UTILIZE THE AREA, AS CALLED OUT ON THE CONTRACT DRAWINGS FOR STOCKPILE AND MATERIAL STORAGE.
- 18. 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.

EROSION AND SEDIMENT CONTROL NOTES

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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
- 7. 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.
- 8. 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.
- 9. 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
- 10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL
- 11. 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.
- 12. DENUDED/UNVEGETATED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. THE SEEDED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- 17. 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 15 KENTUCKY BLUEGRASS COLONIAL BENTGRASS PERENNIAL RYEGRASS 10

THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - JUNE 1 AND AUGUST 15 -OCTOBER 15.

- 19. 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.
- 20. 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.

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
- 2. CHOKER STONE SHALL MEET THE REQUIREMENTS OF AASHTO NO. 89.
- 3. SAND SHALL MEET THE REQUIREMENTS OF AASHTO M-6 AND SHALL BE POORLY GRADED.
- 4. "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%

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

STORMWATER MAINTENANCE NOTES

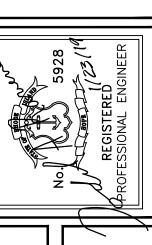
1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:

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.

- 2. 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.
- 3. 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&A) PLAN FOR CONSTRUCTED FACILITIES SHALL BE PROVIDED TO THE RIDEM OFFICE OF WATER RESOURCES.





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PROJECT NO.: 1857

DATE: DECEMBER 2018

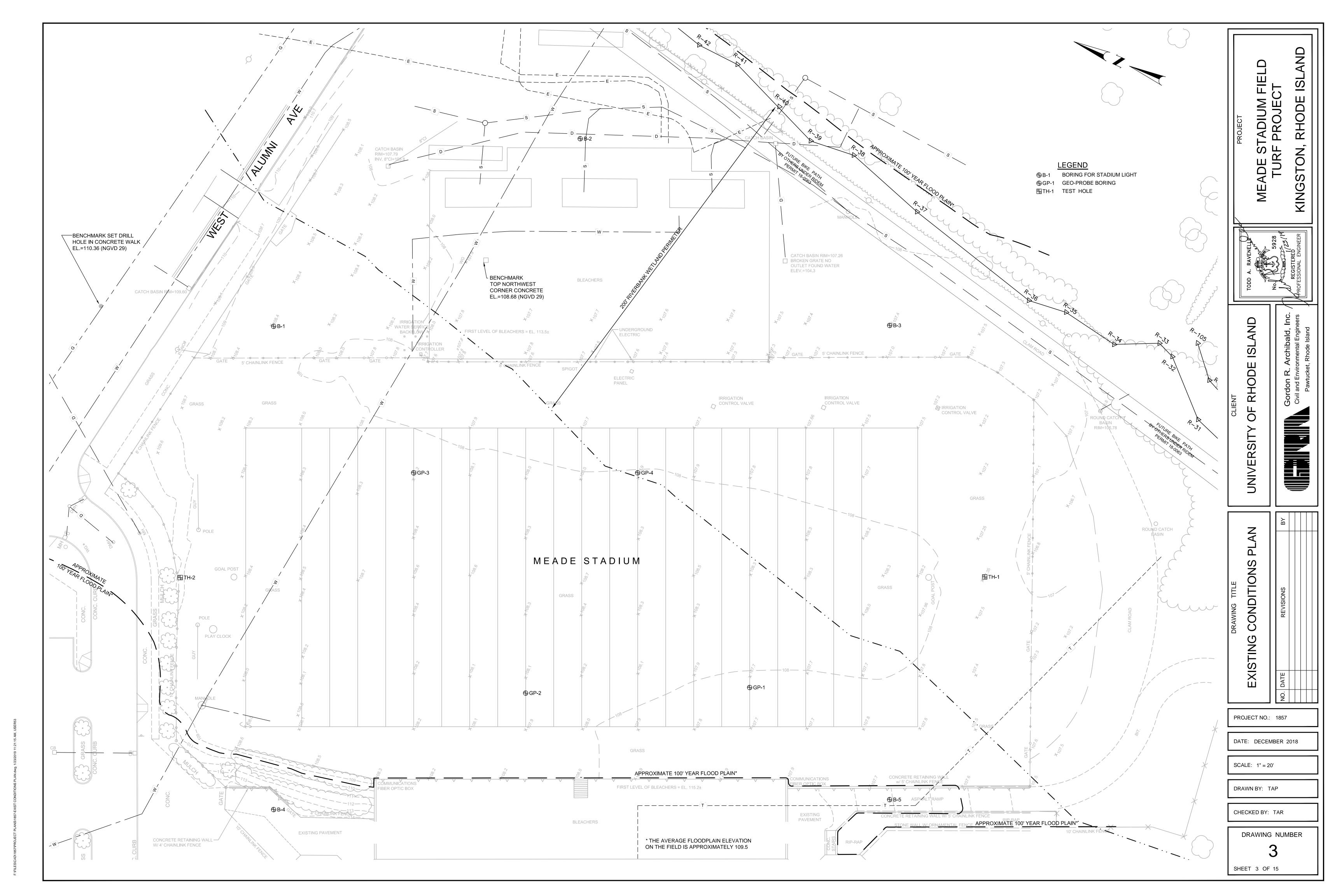
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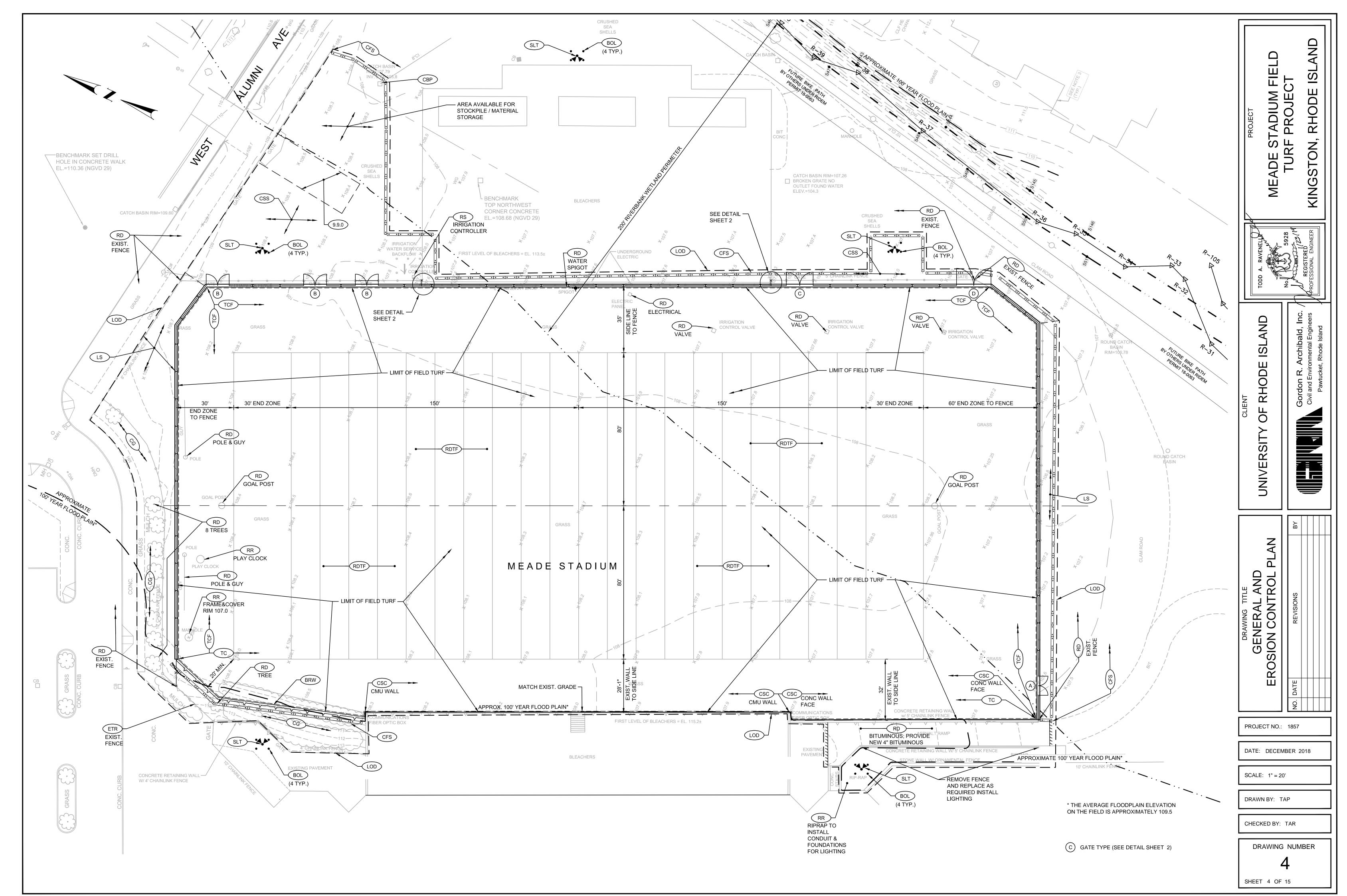
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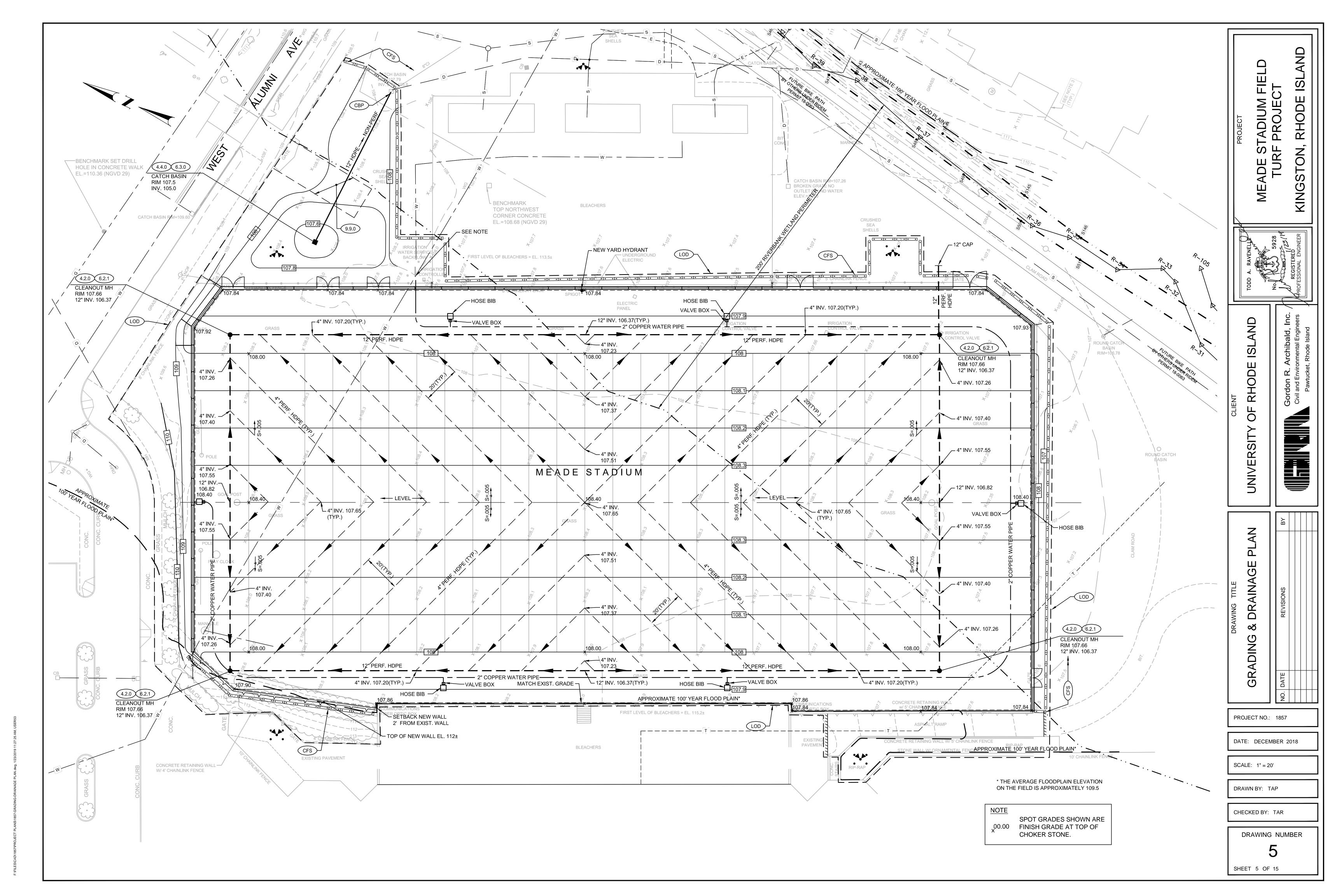
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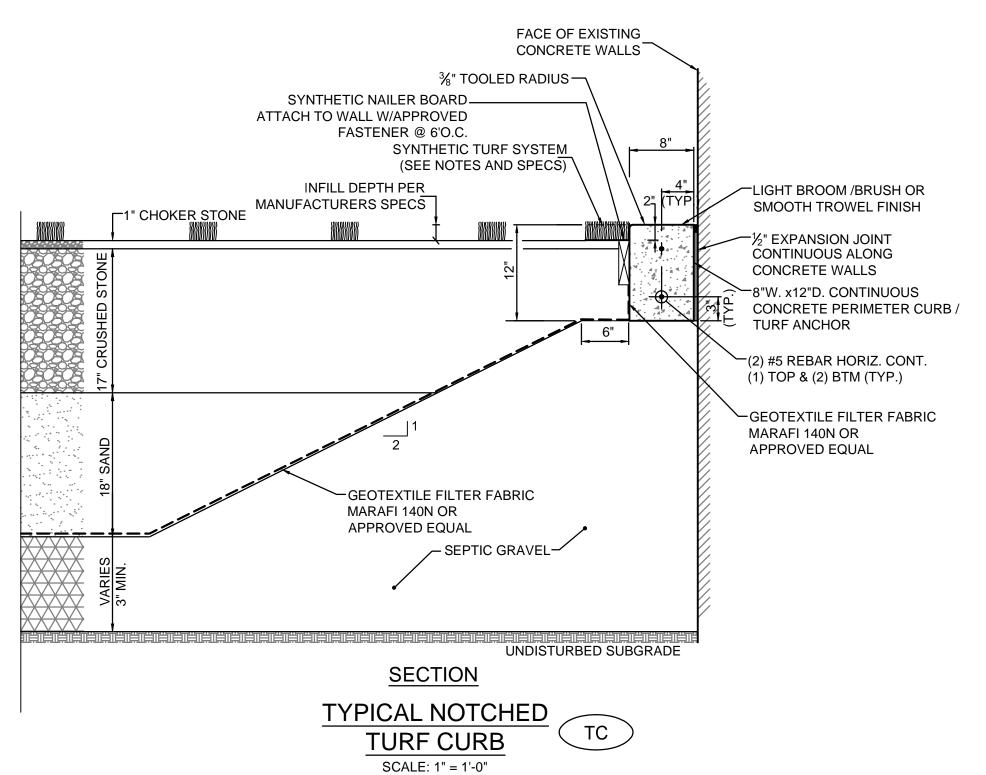
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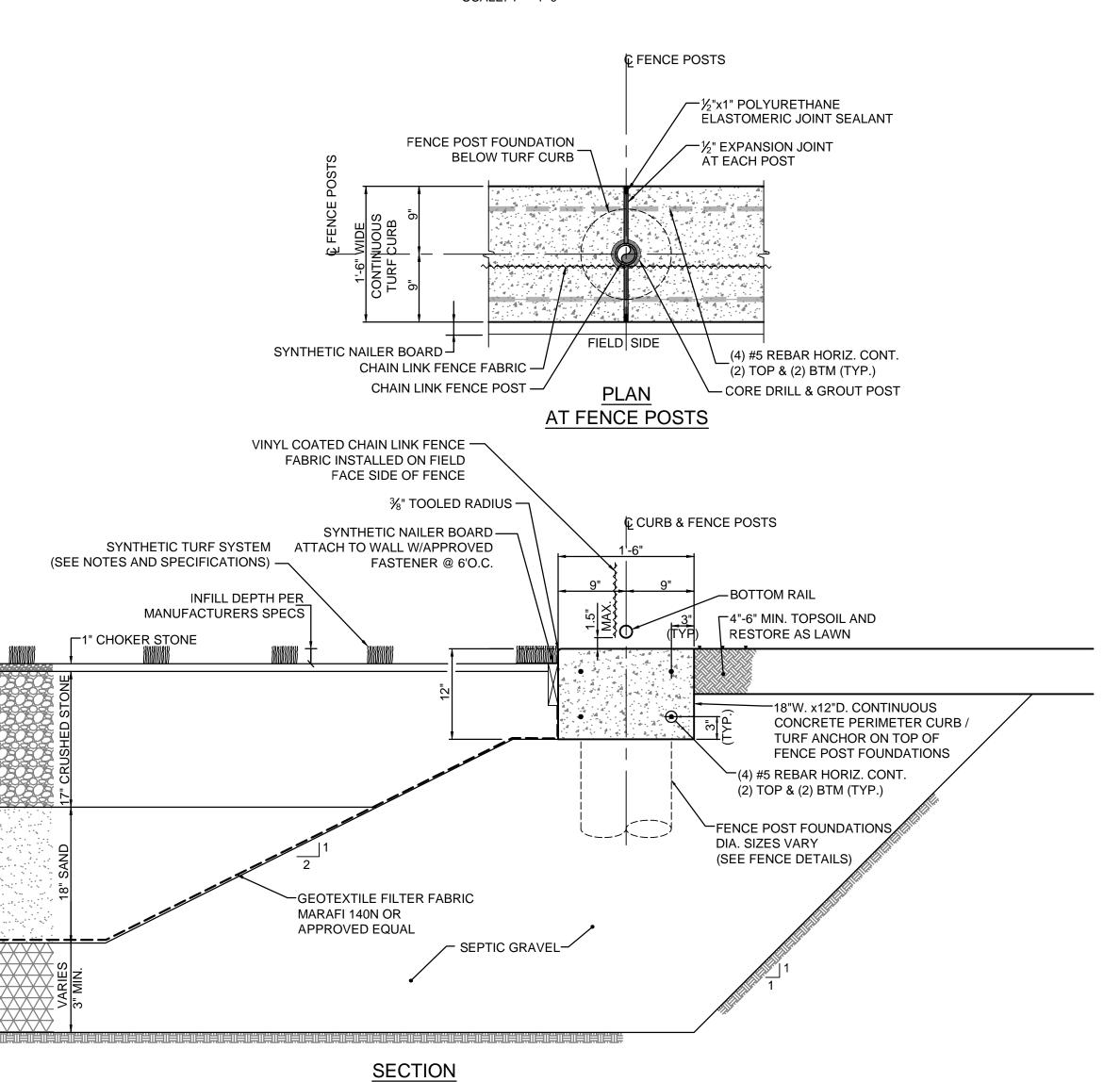




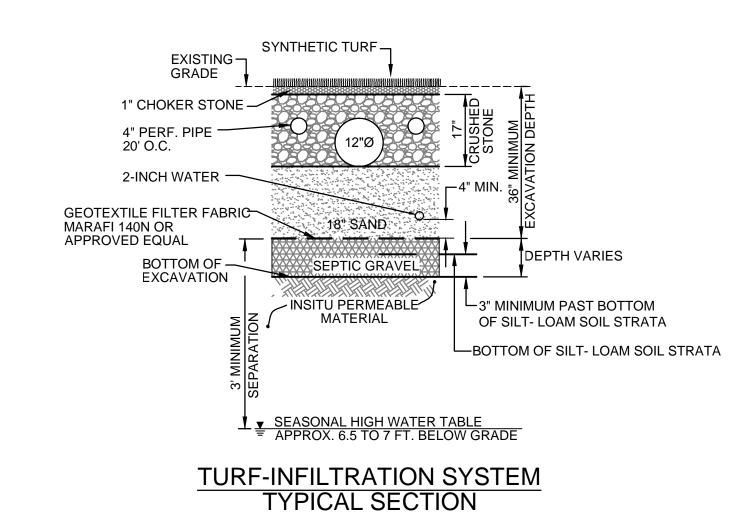
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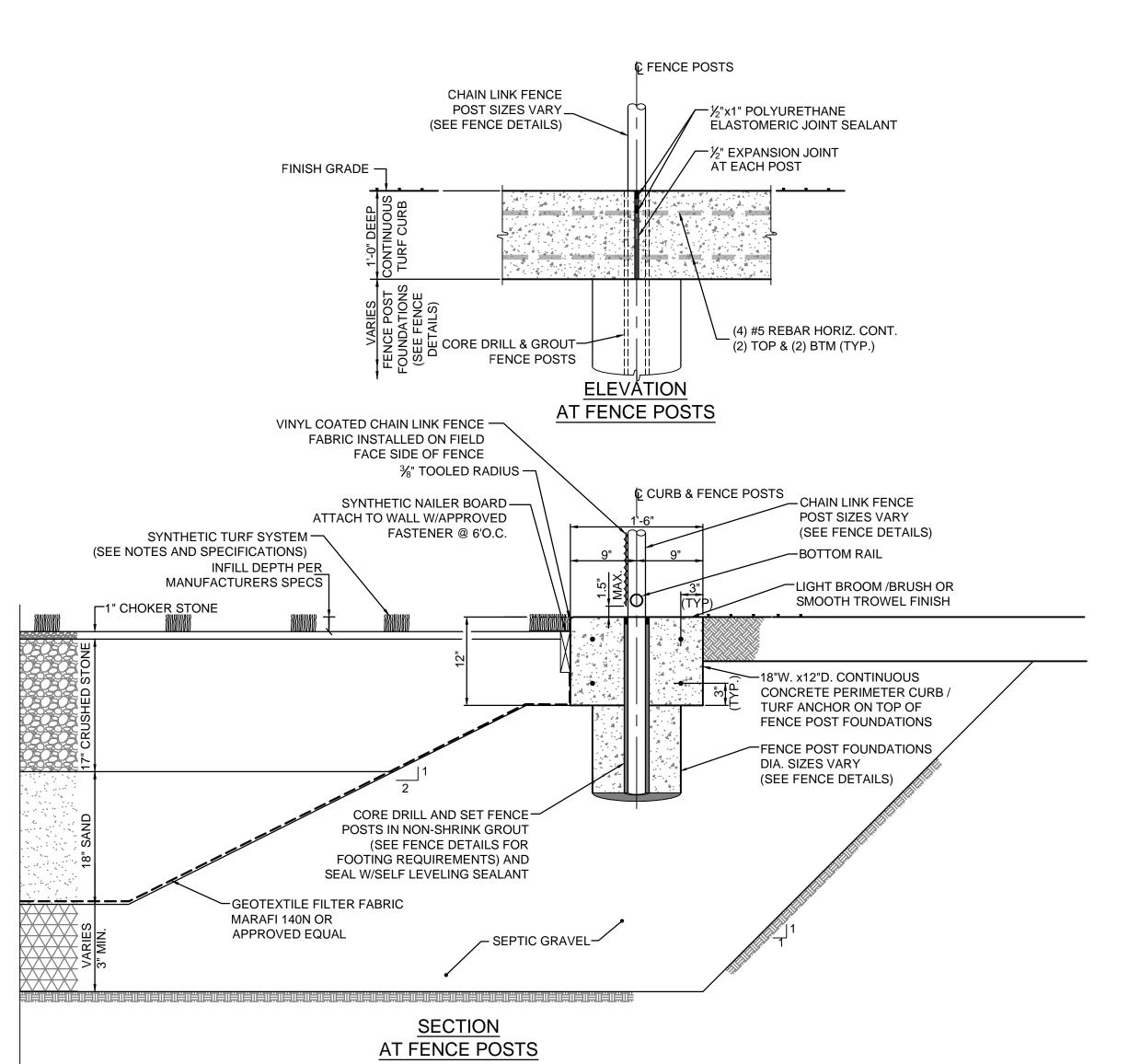






BETWEEN FENCE POSTS





TYPICAL TURF CURB WITH

INTEGRAL FENCE

SCALE: 1" = 1'-0"

FADIUM PROJEC <u>IS</u> ERSITY N N N PROJECT NO.: 1857

DATE: DECEMBER 2018

SCALE: AS SHOWN

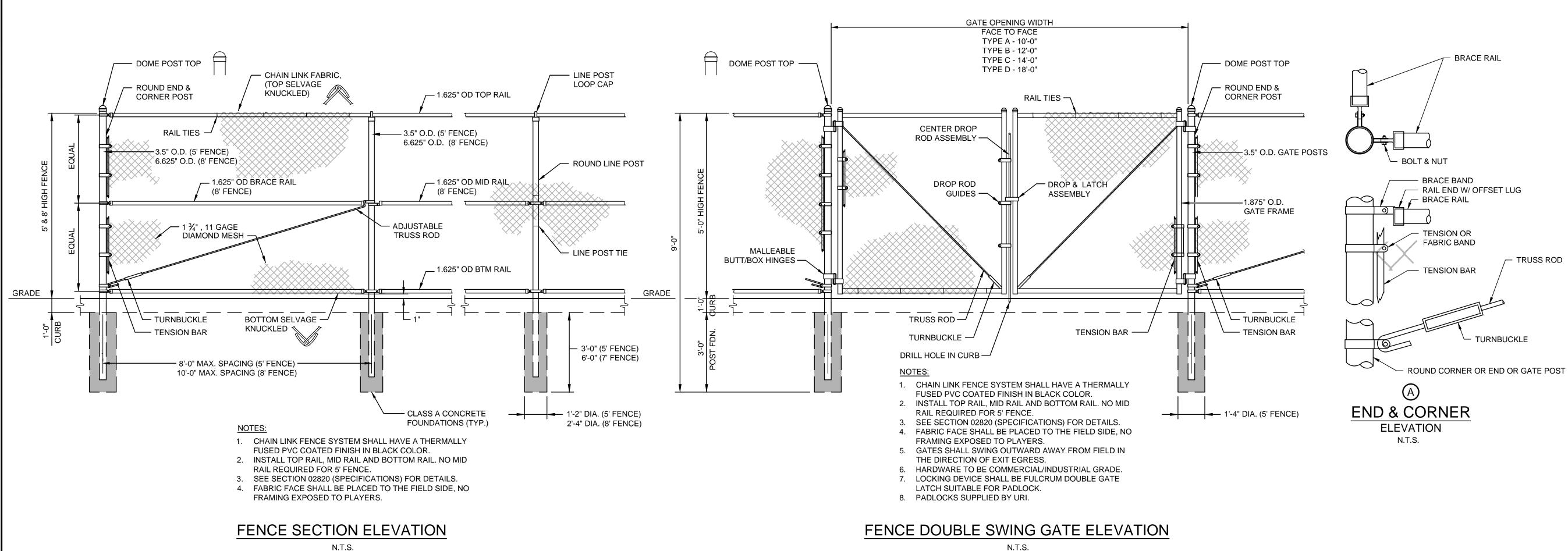
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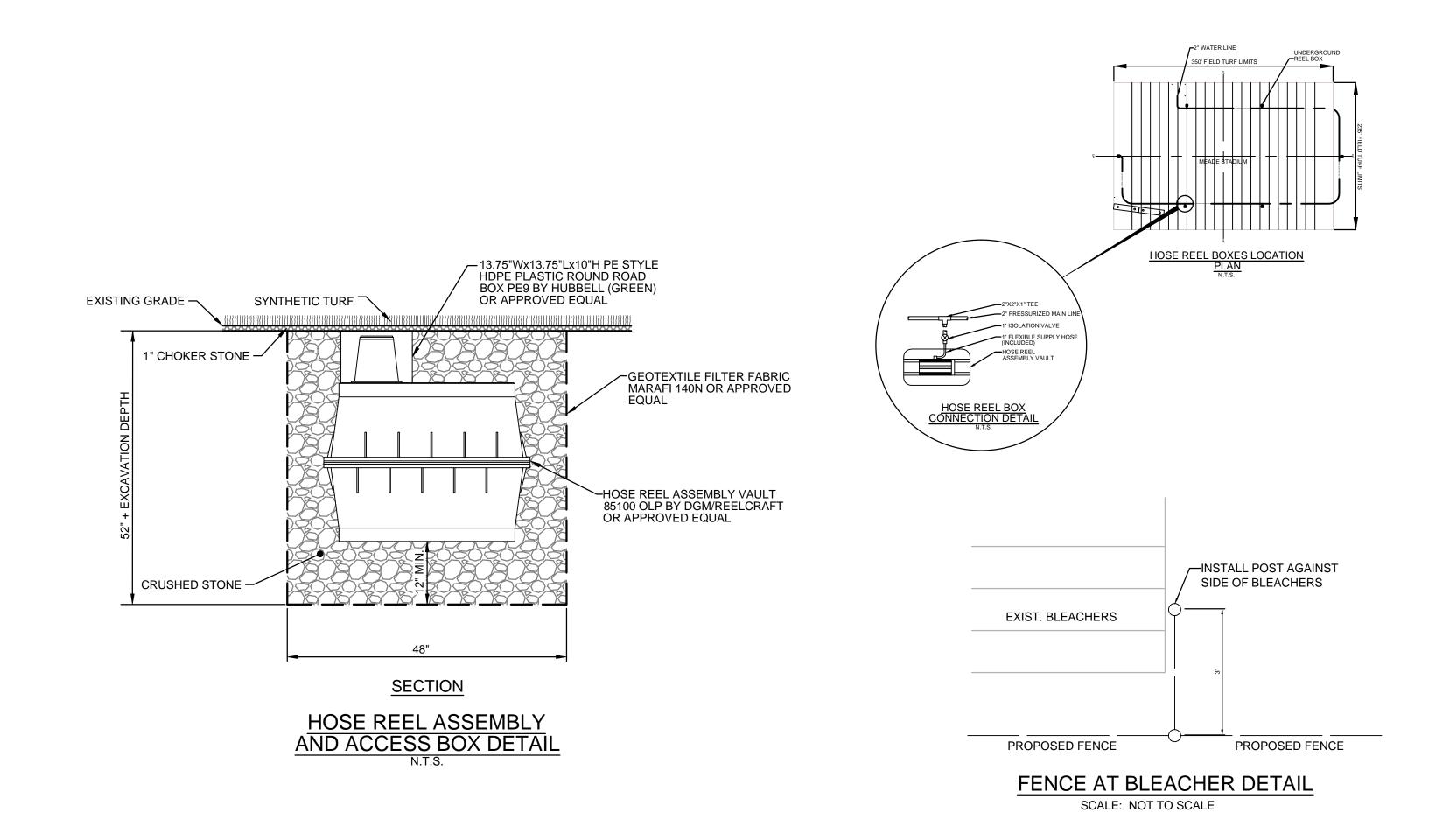
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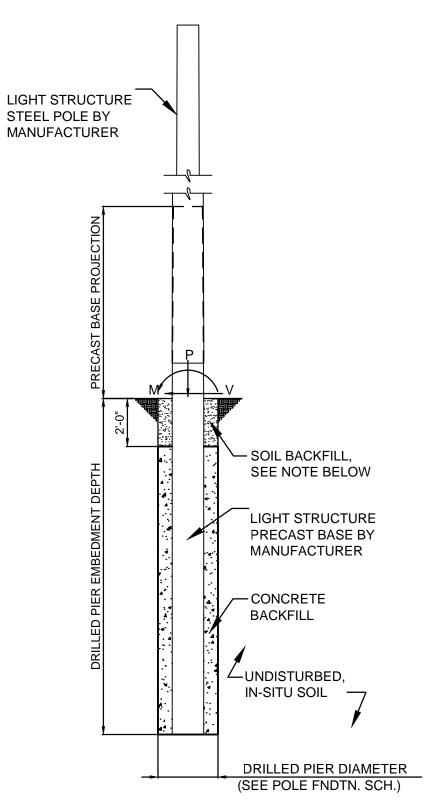
SHEET 6 OF 15

DRAWING NUMBER

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POLE FOUNDATION ELEV. SCALE: NOT TO SCALE

SOIL BACKFILL NOTE: THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

LIGHT FOUNDATION DESIGN NOTES

DESIGN PARAMETERS:

INTERNATIONAL BUILDING CODE, 2012 EDITION (ASCE 7-10). DESIGN WIND PARAMETERS ARE NOTED, ACTUAL EXPOSURE MUST BE VERIFIED FOR THE SITE BY THE PROPER

GEOTECHNICAL PARAMETERS:

ALLOWABLE END BEARING SOIL PRESSURE: 1,500 PSF

ALLOWABLE LATERAL SOIL BEARING PRESSURE: 0 PSF/FT (GRADE TO -2'-0");

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE SOIL BORING LOGS, PROJECT NO.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS

PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY EXCEEDS 6'-0".

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

STRENGTH AT 28 DAYS OF 3,000 PSI. 3,000 PSI CONCRETE SPECIFIED FOR EARLY POLE ERECTION, ACTUAL REQUIRED MINIMUM ALLOWABLE CONCRETE STRENGTH IS 1,000 PSI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM UNDISTURBED SOIL.

GENERAL NOTES:

FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN/NEAR ANY SLOPES.STEEPER THAN 3H - 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

THE GROUNDWATER TABLE SHALL BE ASSUMED AT 6' BELOW EXISTING GRADE.

LOOP CAP

BRACE RAIL

BOLT W/ HEX NUT

RAIL END W/OFFSET LUG

- BRACE BAND

ROUND LINE POST

BRACE RAIL

LINE POST

ELEVATION

N.T.S.

FADIUM PROJEC

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WIND: VULT=140 MPH, VASD=108 MPH (EXPOSUR C, RISK CATEGORY II) PER GOVERNING OFFICIAL.

VARIES, SEE SOIL BORING LOGS (BELOW -2'-0") IN ACCORDANCE WITH THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE, CHAPTER 18.

12080, PREPARED BY GEOLOGIC - EARTH EXPLORATION, INC.; NORFOLK, MASS.

REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION PROBLEMS ARISE IN FOUNDATION INSTALLATION.

WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP

CONCRETE:

CONCRETE SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN

AIL

PROJECT NO.: 1857

DATE: DECEMBER 2018

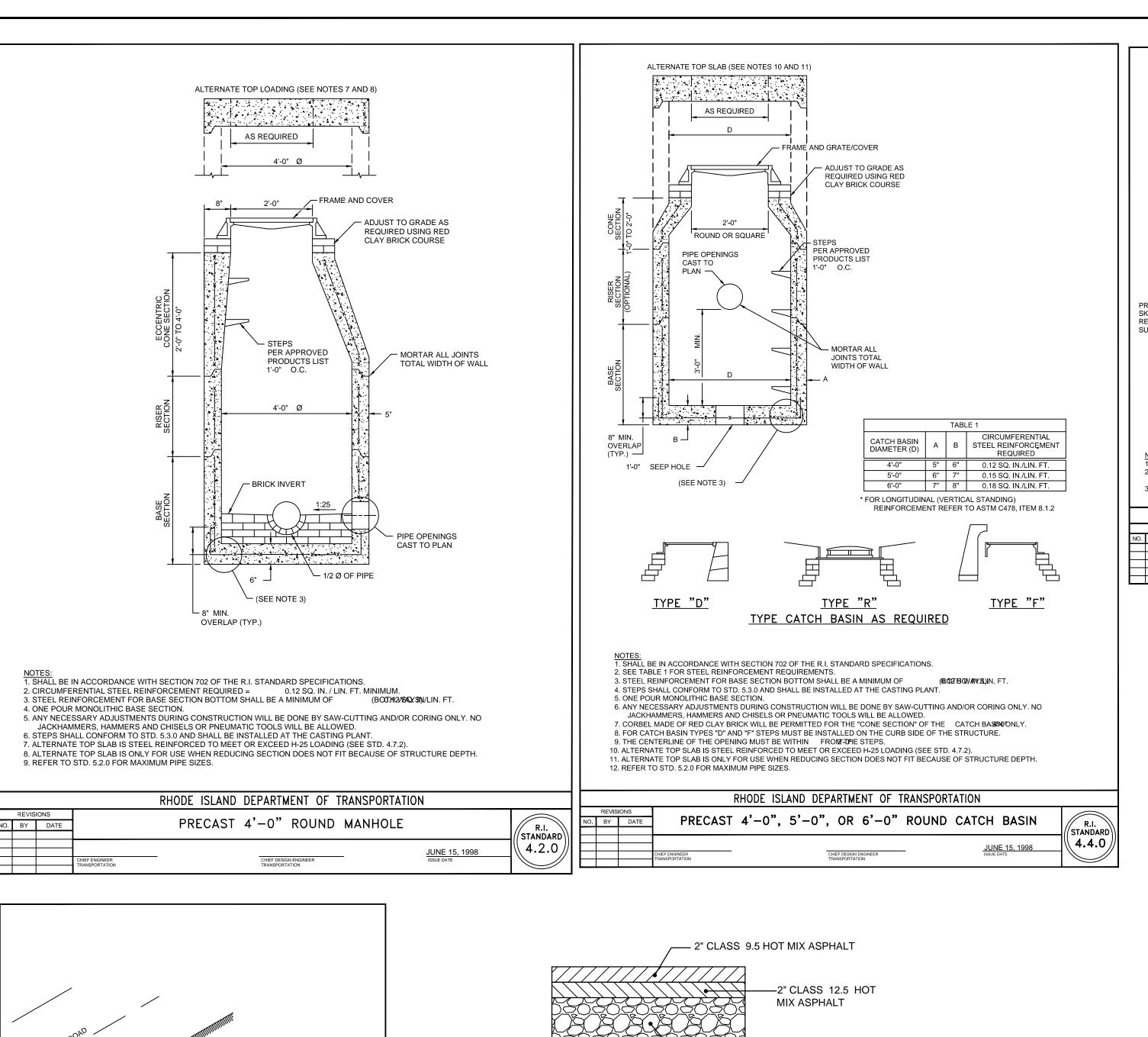
SCALE: AS SHOWN

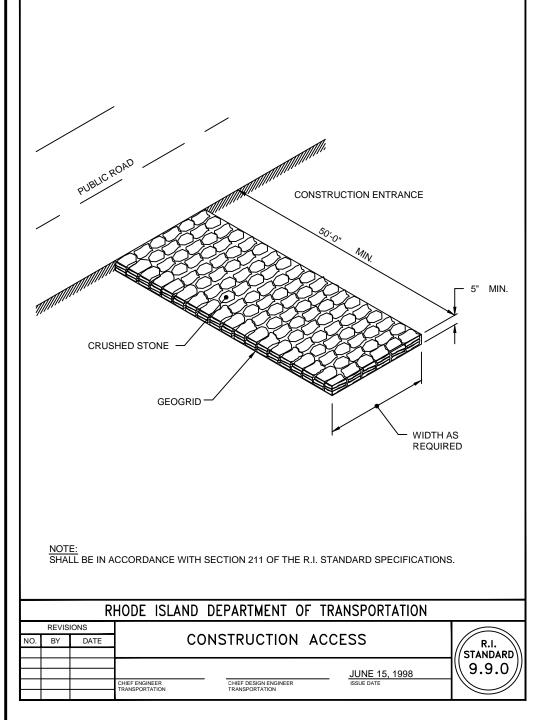
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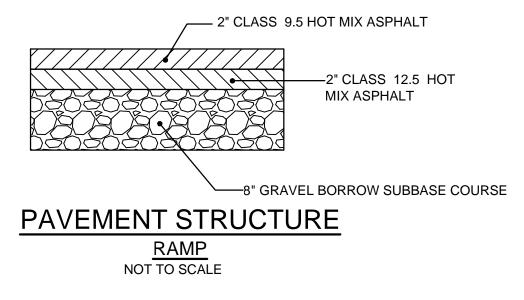
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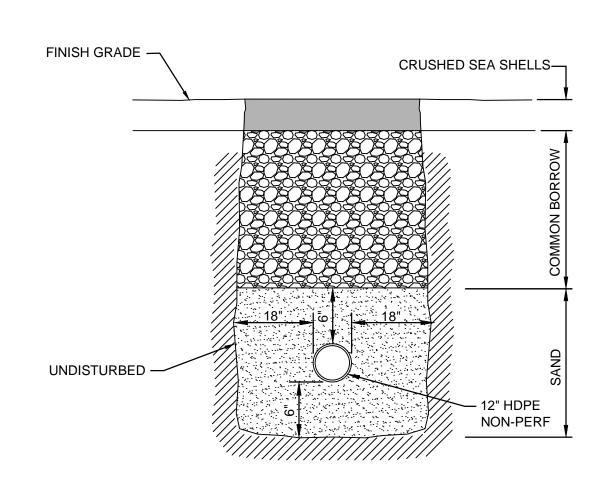
SHEET 7 OF 15

DRAWING NUMBER





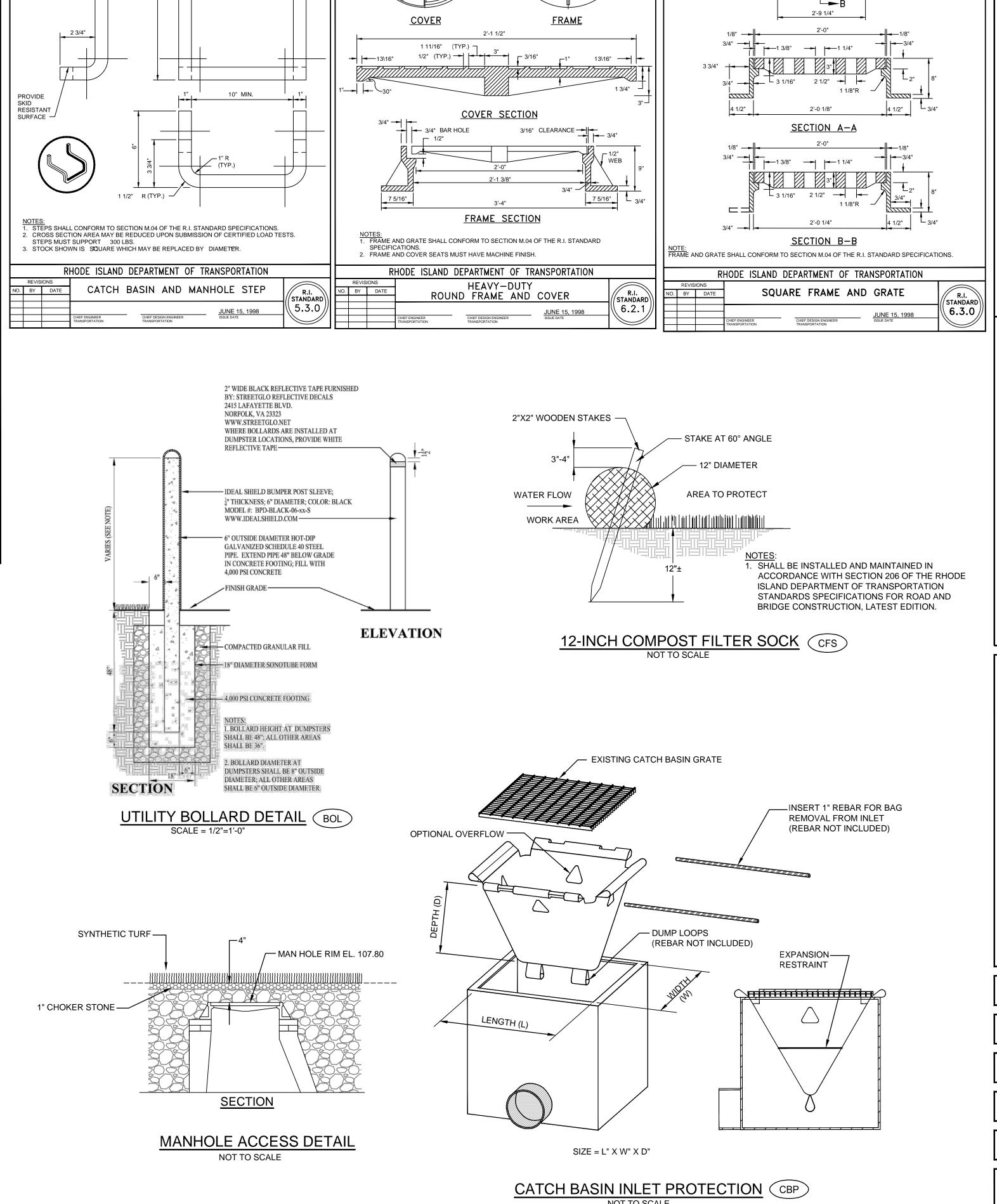




TYPICAL TRENCH DETAIL FOR

DRAIN PIPING

NOT TO SCALE



_ _ _ _ _ _ _ _ _ _

2'-5 1/2"

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S

3

DETAIL

PROJECT NO.: 1857

SCALE: AS SHOWN

DRAWN BY: TAP

CHECKED BY: TAR

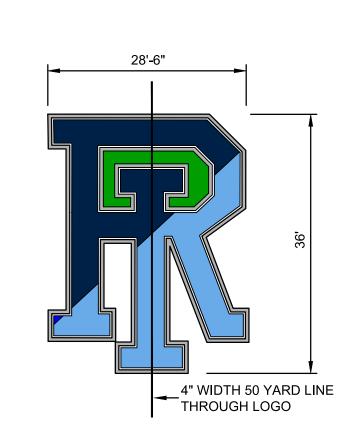
SHEET 8 OF 15

DRAWING NUMBER

DATE: DECEMBER 2018

4TH FLANGE WHEN ORDERED

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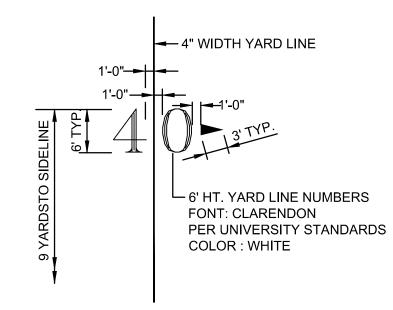
LOGO DETAIL

NOT TO SCALE

COLOR NAME: DARK BLUE PANTONE NUMBER: 282C

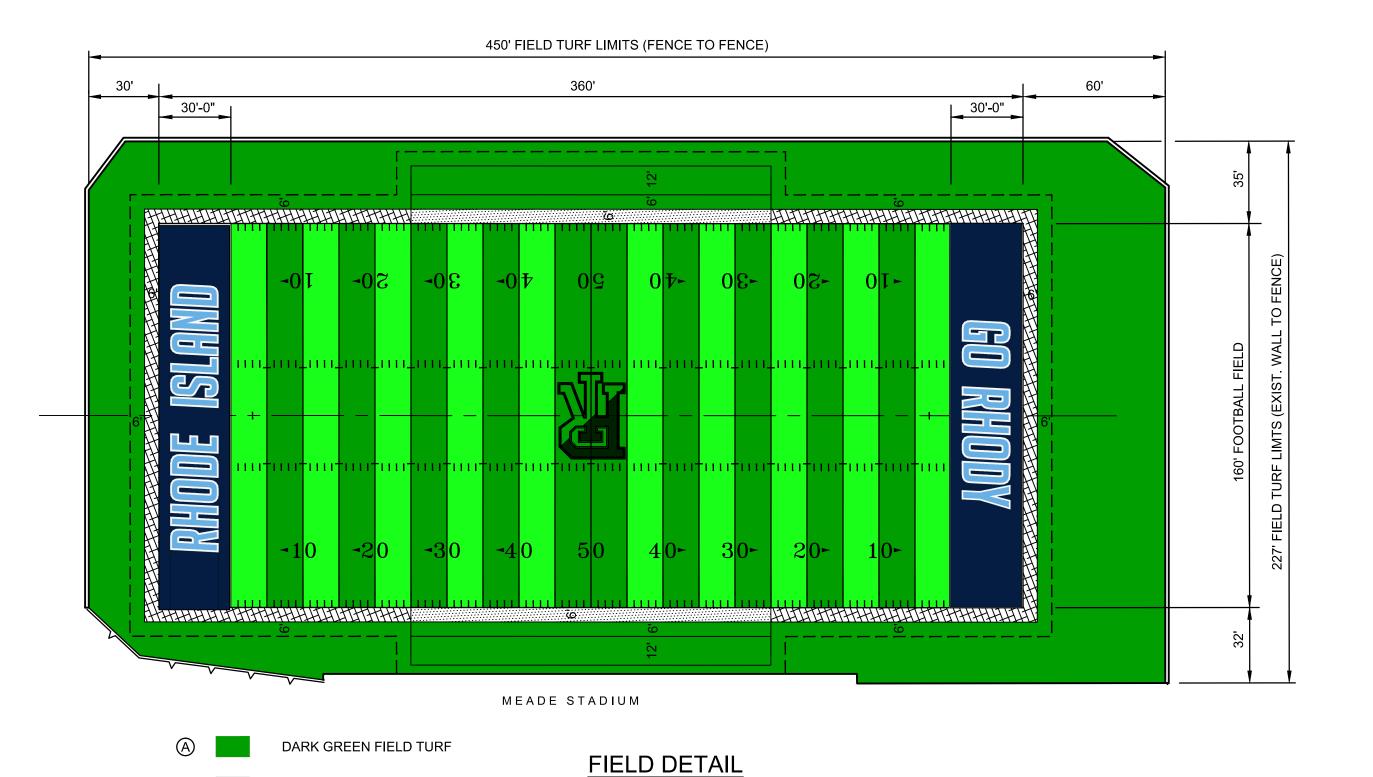
COLOR NAME: WHITE PANTONE NUMBER: WHITE

COLOR NAME: LIGHT BLUE PANTONE NUMBER: 292C



YARD LINE NUMBER DETAIL

NOT TO SCALE

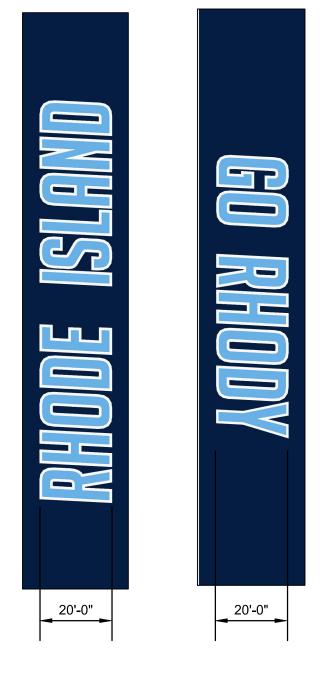


NOT TO SCALE

LIGHT GREEN FIELD TURF

COLOR NAME: LIGHT BLUE PANTONE NUMBER: 292C

COLOR NAME: WHITE PANTONE NUMBER: WHITE





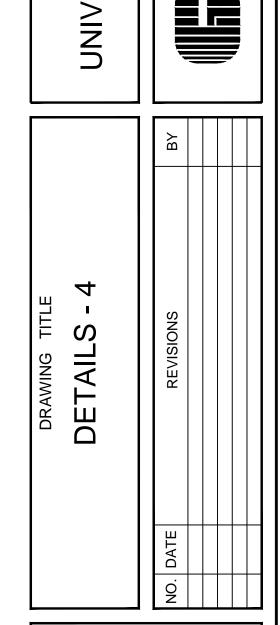
COLOR NAME: DARK BLUE PANTONE NUMBER: 282C

COLOR NAME: WHITE

© PANTONE NUMBER: WHITE

COLOR NAME: LIGHT BLUE
PANTONE NUMBER: 292C

20' HT. END ZONE TEXT FONT: AS SHOWN PER UNIVERSITY STANDARDS



STADIUM FIELD F PROJECT

MEADE ST TURF

ISLAND

RHODE

ERSITY

RHODE

PROJECT NO.: 1857

DATE: DECEMBER 2018

SCALE: AS SHOWN

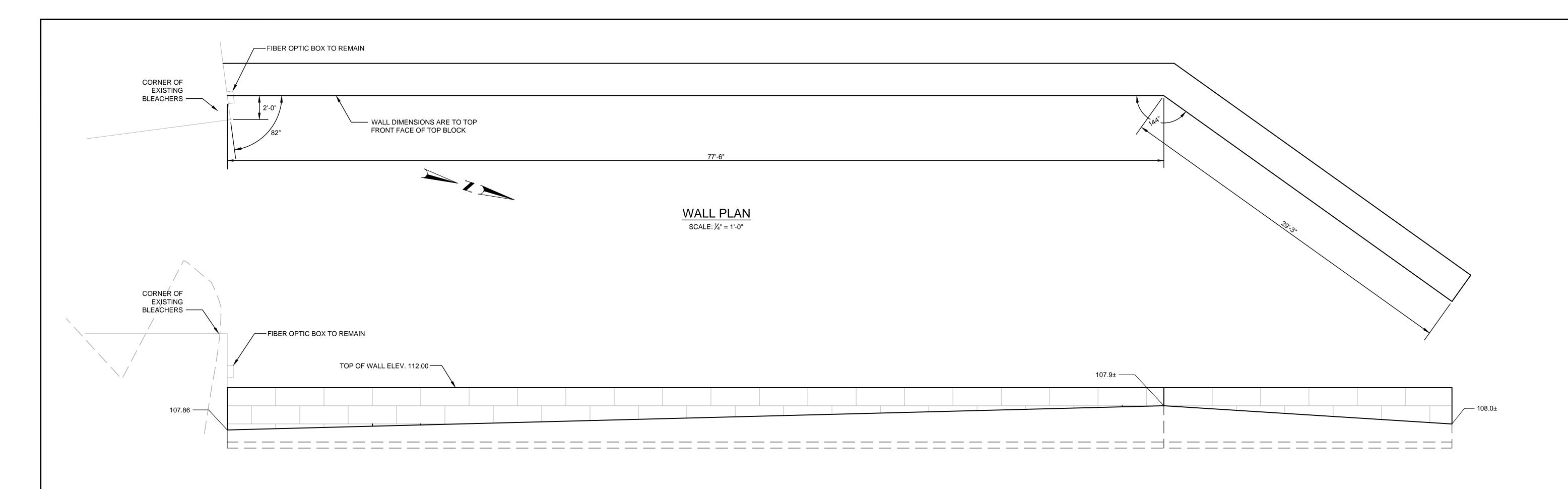
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CHECKED BY: TAR

SHEET 9 OF 15

DRAWING NUMBER

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WALL ELEVATION SCALE: 1/4" = 1'-0"

3. WALL DESIGN SHALL BE BY REDI-ROCK AND SHALL ASSUME A SURCHARGE LOAD OF 250 PSF

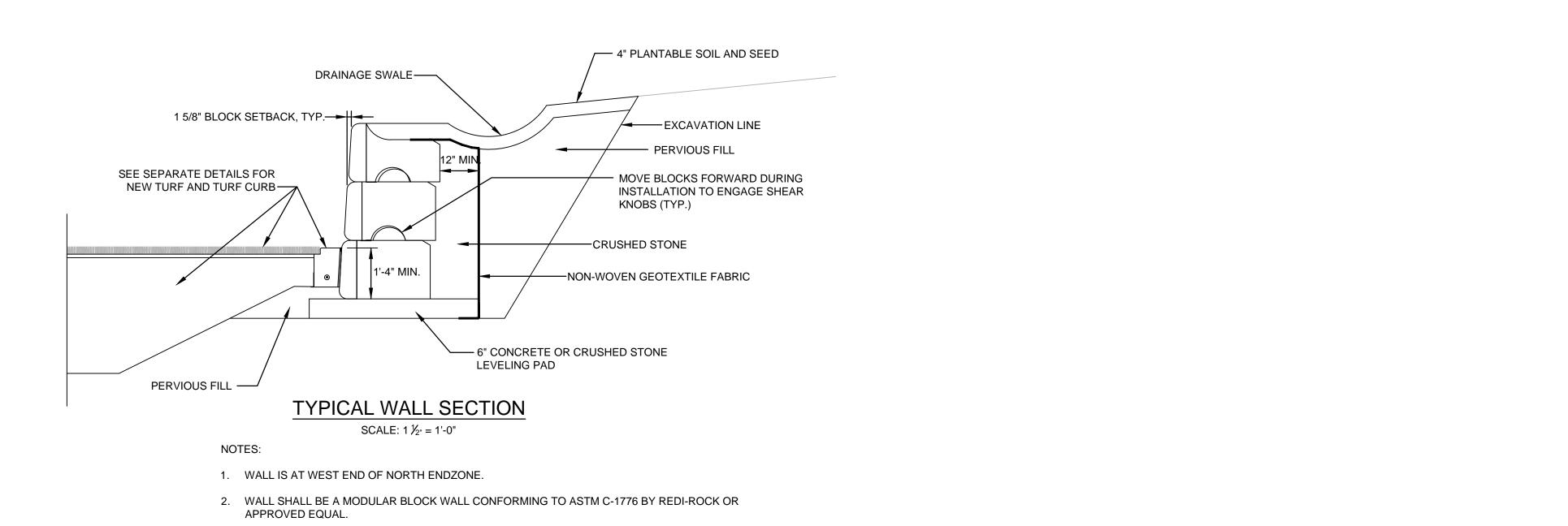
4. FORMLINER FOR FACE OF EXPOSED BLOCKS SHALL BE "KINGSTONE".

5. GEOGRID REINFORCING REQUIREMENT SHALL BE DETERMINED BY REDI-ROCK.

6. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO REDI-ROCK RECOMENDATIONS.

CAPACITY OF 2000 PSF.

BEHIND THE WALL AND SHALL BE BASED ON A SOIL PHI ANGLE OF 28 DEGREES AND A BEARING



DRAWN BY: TAP

PROJECT NO.: 1857

SCALE: AS SHOWN

DATE: DECEMBER 2018

STADIUM FIELD - PROJECT

MEADE ST TURF

ISLAND

RHODE

ERSITY

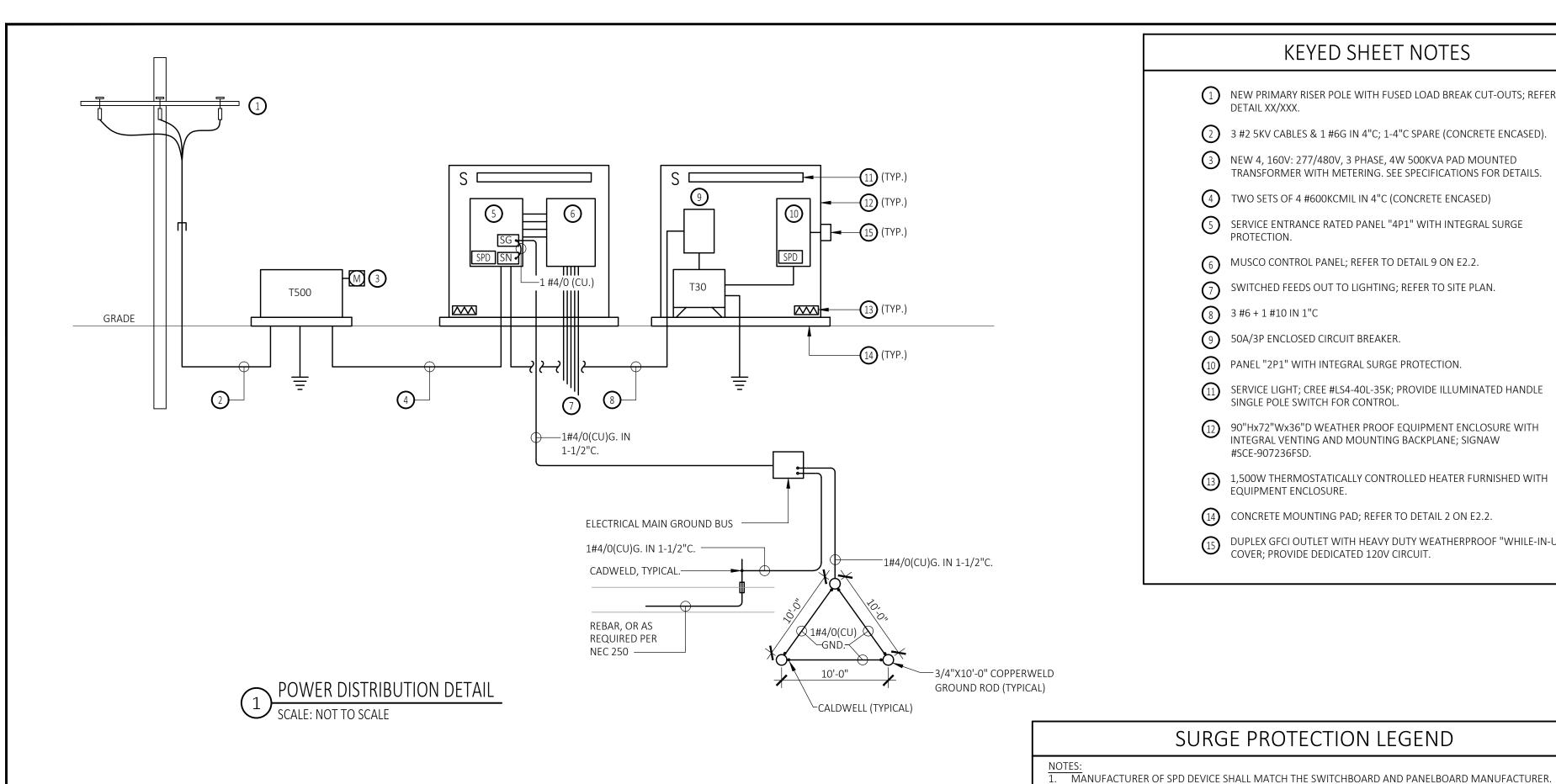
NN N

DETAIL

CHECKED BY: TAR

DRAWING NUMBER

SHEET 10 OF 15



KEYED SHEET NOTES

- 1 NEW PRIMARY RISER POLE WITH FUSED LOAD BREAK CUT-OUTS; REFER TO
- 3 #2 5KV CABLES & 1 #6G IN 4"C; 1-4"C SPARE (CONCRETE ENCASED).
- (3) NEW 4, 160V: 277/480V, 3 PHASE, 4W 500KVA PAD MOUNTED TRANSFORMER WITH METERING. SEE SPECIFICATIONS FOR DETAILS.
- TWO SETS OF 4 #600KCMIL IN 4"C (CONCRETE ENCASED)
- 5 SERVICE ENTRANCE RATED PANEL "4P1" WITH INTEGRAL SURGE PROTECTION.
- 6 MUSCO CONTROL PANEL; REFER TO DETAIL 9 ON E2.2.
- 7) SWITCHED FEEDS OUT TO LIGHTING; REFER TO SITE PLAN.
- (8) 3 #6 + 1 #10 IN 1"C
- 9) 50A/3P ENCLOSED CIRCUIT BREAKER.
- 10) PANEL "2P1" WITH INTEGRAL SURGE PROTECTION.
- SERVICE LIGHT; CREE #LS4-40L-35K; PROVIDE ILLUMINATED HANDLE SINGLE POLE SWITCH FOR CONTROL.
- (12) 90"Hx72"Wx36"D WEATHER PROOF EQUIPMENT ENCLOSURE WITH INTEGRAL VENTING AND MOUNTING BACKPLANE; SIGNAW #SCE-907236FSD.
- 1,500W THERMOSTATICALLY CONTROLLED HEATER FURNISHED WITH EQUIPMENT ENCLOSURE.
- (14) CONCRETE MOUNTING PAD; REFER TO DETAIL 2 ON E2.2.

SURGE PROTECTION LEGEND

4. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. PROVIDE WORKING CLEARANCES IN ACCORDANCE

INTERNAL

EXTERNAL

DUPLEX GFCI OUTLET WITH HEAVY DUTY WEATHERPROOF "WHILE-IN-USE" COVER; PROVIDE DEDICATED 120V CIRCUIT.

MANUFACTURER

EATON

EATON

EATON

RACEWAY SIZES ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE C1 FOR THHN/THWN CONDUCTORS IN EMT, FLEXIBLE METAL CONDUIT OT LIQUIDTIGHT

208 VOLT

100-3P

MODEL NUMBER

SPD-80-2-K

SPD-120-2-K

SPD-250-2-K

480Y/277 VOLT FEEDER

3#6 & 1#10G. - 1"C.

DRY TYPE TRANSFORMER SCHEDULE (NEMA PREMIUM EFFICIENCY)

BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER ENCLOSURE WITH SYSTEM BONDING JUMPER. THE GROUNDING CONDUCTOR IN THE 120/208V FEEDER IS A SUPPLY SIDE

CONDUCTOR SIZES ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE 310.16 WITH NO GREATER THAN THREE CURRENT CARRYING CONDUCTORS PER RACEWAY IN AN AMBIENT NOT TO

SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR IN AN

GROUND THE SECONDARY NEUTRAL OF THE TRANSFORMER TO THE NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE, STRUCTURAL STEEL AND/OR DRIVEN GROUND ROD IN

GENERAL NEW WORK NOTES

- 1. USE #10 CONDUCTORS FOR ALL HOMERUNS OVER 100 FEET IN LENGTH.
- 2. LOCATIONS SHOWN FOR CONNECTIONS TO EQUIPMENT ARE DIAGRAMMATIC. INSTALL FOR EASE OF MAINTENANCE AND TO SUIT EQUIPMENT.
- 3. PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, AND DISCONNECT SWITCHES.
- 4. COLOR CODE ALL WIRING.
- 5. PROVIDE A NYLON PULL CORD IN ALL EMPTY CONDUITS.
- 6. VERIFY ALL CEILING TYPES AND MATERIALS BEFORE ORDERING ANY LIGHTING FIXTURES.
- 7. PROVIDE ALL GROUNDING INCLUDING GREEN EQUIPMENT GROUND IN ALL RACEWAYS. GROUND SERVICE ACCORDING TO NEC AND TO APPROVED GROUND
- CIRCUIT NUMBERS INDICATE PANEL AND CIRCUIT BREAKER FOR EQUIPMENT CONNECTIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL ALL REQUIRED WIRING PER NATIONAL ELECTRIC CODE AND PROJECT SPECIFICATIONS TO PROPERLY ENERGIZE THE ELECTRICAL SYSTEM. ALL WIRING SHALL BE RUN IN A NEAT AND ORDERLY MANNER.
- WHERE THE NUMBER OF CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY SHALL BE REDUCED PER NATIONAL ELECTRIC CODE TABLE BASED ON NO DIVERSITY. CONSIDER NEUTRALS TO BE CURRENT CARRYING CONDUCTORS.
- 10. DO NOT COMBINE CIRCUITS OR USE COMMON NEUTRALS
- 11. LABEL ("BROTHER P-TOUCH LABELING SYSTEM" OR APPROVED EQUAL) OR ENGRAVE EACH RECEPTACLE PLATE WITH PANEL DESIGNATION AND CIRCUIT NUMBER.
- 12. PROVIDE GROUNDING AND BONDING BUSHINGS FOR SERVICE RACEWAYS PER NEC. SIZE THE BONDING JUMPER PER NEC.
- 13. GROUND ALL TRANSFORMERS ACCORDING TO NEC HANDBOOK (GROUNDING ELECTRODE CONDUCTOR CONNECTION AT TRANSFORMER). SIZE BONDING JUMPER PER NEC.
- 14. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. NO CLAIM FOR EXTRA COMPENSATION SHALL BE ENTERTAINED FOR WORK WHICH A PRELIMINARY EXAMINATION WOULD HAVE REVEALED. THE SUBMISSION OF A BID WILL BE CONSIDERED AS ACKNOWLEDGMENT ON THE PART OF THE BIDDER OF HIS VISITATION TO THE SITE.
- 15. OBTAIN ALL NECESSARY PERMITS AND CERTIFICATES. PRESENT SATISFACTORY PROOF OF FINAL INSPECTION AND APPROVAL BY AUTHORITIES HAVING JURISDICTION.
- 16. MAINTAIN CORRECT PHASE SEQUENCE OF ALL FEEDERS AND CIRCUITS BY ESTABLISHING PHASE IDENTIFICATION AND MAINTAINING CORRECT RELATIONSHIP THROUGHOUT THE SYSTEM. PROVIDE LINE BALANCE WITHIN 10% OF NORMAL

ABBREVIATIONS

	ALL ABBREVIATIONS SHOWN ARE NOT N	IECESSA	RILY USED ON THIS PROJECT
A/AMP	AMPERE	KW	KILOWATT
AC	ALTERNATING CURRENT	KWH	KILOWATT HOURS
ADA	AMERICAN WITH DISABILITIES ACT	LAN	LOCAL AREA NETWORK
AF	AMPERE FRAME	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AFG	ABOVE FINISHED GRADE	MAX	MAXIMUM
AHJ	AUTHORITY HAVING JURISDICTION	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	M/G	MOTOR/GENERATOR SET
ALCS	AUTOMATED LIGHTING CONTROL SYSTEM		MANHOLE
AL	ALUMINUM	MIN	MINIMUM
AT	AMPERE TRIP	MLO	MAIN LUG ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MTG	MOUNTING
AV	AUDIO VISUAL	N	NEUTRAL
В	BURIED	NA	NOT APPLICABLE
BFG	BELOW FINISHED GRADE	NC	NORMALLY CLOSED CONTACT
BOF	BOTTOM OF FIXTURE	NEC	NATIONAL ELECTRICAL CODE
С	CONDUIT	NF	NOT FUSIBLE
CA	CABLE	NG	NATIONAL GRID (ELECTRIC UTILITY)
CAT	CATALOG	NL	NIGHT LIGHT
CATV	CABLE TELEVISION	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM	NO	NORMALLY OPEN CONTACT
СВ	CIRCUIT BREAKER	NTS	NOT TO SCALE
CBA	COLOR BY ARCHITECT	OPD	OVER CURRENT PROTECTION DEVICE
CD	CANDELA	Р	POLE
CKT	CIRCUITS	PH	PHASE
CPU	CENTRAL PROCESSING UNIT	POS	PROVIDED UNDER OTHER SECTIONS
CONT.	CONTINUATION	POTS	PLAIN ORDINARY TELEPHONE
CU	COPPER	PVC	POLYVINYL CHLORIDE
\ €	CENTERLINE	PWR	POWER
dB	DECIBEL	RGS	RIGID GALVANIZED STEEL
DC	DIRECT CURRENT	RIEC	RHODE ISLAND ELECTRICAL CODE
DN	DOWN	RMS	ROOT MEAN SQUARE VALUE
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
		C	

SN SOLID NEUTRAL SS SECURITY ECPS EMPTY CONDUIT WITH PULLSTRING SWBD SWITCHBOARD TTB TELEPHONE TERMINAL BOARD TELEPHONE TML TERMINAL TSP TWISTED SHIELDED-PAIR TVSS TRANSIENT VOLTAGE SURGE

UON UNLESS OTHERWISE NOTED

VOLTS

VOLT-AMPERE

TELEPHONE

WATTS

WP WEATHERPROOF

XFMR/T TRANSFORMER

WITH

UNSHIELDED TWISTED-PAIR

VARIABLE FREQUENCY DRIVE

VARIABLE SPEED DRIVE

FACP FIRE ALARM CONTROL PANEL FBA FINISH BY ARCHITECT SUPPRESSER FDR FEEDER TYPICAL FLA FULL LOAD AMPERES UNDERGROUND FLMT FLEXIBLE LIQUID TIGHT METALLIC TUBING UL UNDERWRITERS LABORATORIES FREQ FREQUENCY UNO UNLESS NOTED OTHERWISE

ELECTRICAL CONTRACTOR

ELECTRIC METALLIC TUBING

EQUIPMENT GROUND

ELEV ELEVATION

FAHRENHEIT

FIRE ALARM

GROUND

CONDITIONING

JUNCTION BOX

ISOLATED GROUND

KILOVOLT-AMPERE

HERTZ

E1.0

E2.0

E2.1

E2.2

EMT

GROUNDING ELECTRODE CONDUCTOR UPS UNINTERRUPTIBLE POWER SUPPLY GFCI GROUND FAULT CIRCUIT INTERRUPTER UTP GND GROUND HANDHOLE

HORSEPOWER HVAC HEATING, VENTILATION, AND AIR

GROUNDING

(SEE NOTE 2)

1#6 - 3/4"C.

RHODE

radium Projec

AD D

SITE LEGEND

ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT

HANDHOLE; REFER TO HANDHOLE DETAIL FOR ADDITIONAL INFORMATION.

UTILITY POLE. —UPE—— UNDERGROUND PRIMARY ELECTRIC SERVICE.

—USE—— UNDERGROUND SECONDARY ELECTRIC SERVICE.

SHEET LIST SHEET NUMBER | SHEET NAME LEGENDS. NOTES, AND SCHEDULES AND SITE PLAN DETAILS DETAILS GENDS, NOTES SCHEDULES DETAILS

BRANCH CIRCUIT PANELS SCHEDULE

208Y/120 VOLT FEEDER

4#1 & 1#6G. - 1.5"C.

NOTES:

SIZE

T30

NOTES:

EXCEED 30 DEGREES C.

KVA

- NOTES 2 & 3 APPLY TO ALL PANEL BOARDS.
- PROVIDE WITH LUGS TO ACCOMMODATE CONDUCTOR SIZES AS IDENTIFIED ON THE RISER DIAGRAM FOR SUPPLY AND ALL LOADS. (THIS NOTE APPLICABLE TO ALL TERMINATIONS.)
- PANEL SHALL BE FULLY RATED UNLESS NOTE 5 REFERENCED IN THE NOTES SECTION.
- NOTES 5-10 ARE OPTIONS WHICH SHALL BE SPECIFICALLY INDICATED IN NOTES SECTION FOR INCLUSION.

480 VOLT

50-3P

OVERCURRENT | OVERCURRENT

- INTERRUPTING CAPABILITY BY UL LISTED SERIES RATED SYSTEM. PROVIDE NAMEPLATES IN ACCORDANCE WITH NEC REQUIREMENTS IDENTIFYING SERIES RATING APPLICATION. PROVIDE WITH 120V SHUNT TRIP MAIN CIRCUIT BREAKER.

PROVIDE 4#6+1#10G IN 1"C. VIA 60A-3P TO EACH SPD.

EXPOSURE LEVEL

LOW - 80KA

MEDIUM - 160KA

HIGH - 250KA

ACCORDANCE WITH NEC 250.30 FOR SEPARATELY DERIVED SYSTEMS.

SECONDARY

AMPS

BONDING JUMPER, SIZED PER NEC 250.102(C)(1).

INDIVIDUALLY MOUNTED CIRCUIT BREAKER.

AMPS

WITH THE NEC.

SURGE SUPPRESSION

DEVICE

EXTERNAL SPD'S MAY BE INTERNAL TYPE, ONLY IF POLE SPACE IS NOT SACRIFICED.

- BRANCH GROUND FAULT CIRCUIT INTERRUPTER BREAKER RATED FOR 4-6 ma FOR PERSONAL PROTECTION; QTY. AND RATING IN PARENTHESIS. I.E.: 7 (4-20/1) BRANCH GROUND FAULT EARTH LEAKAGE BREAKER RATED FOR 30 ma FOR EQUIPMENT PROTECTION; QTY. AND RATING IN PARENTHESIS. I.E.: 8 (2-30/1)
- BRANCH SHUNT TRIP BREAKER (120V COIL); QTY. AND RATING IN PARENTHESIS. I.E.: 9 (3-60/1)
- 10. BRANCH ARC FAULT CIRCUIT INTERRUPTER BREAKER: QTY, AND RATING IN PARENTHESIS, I.E.: 10 (8-20/1)

o. BitAiteirai	NCTAOLT CINCOTT IN	TERROT TERRE	MEAKEN, C	ÇI I. AINL	DIVATIIN	NO IN I AILLIN	11112313. 1.1	L 10 (8	20/1)																							
ESIGNATION	LOCATION			EL	.ECTRIC	AL CHARACT	ERISTICS			200% ISOLATED FEED SURGE TOTAL BRANCH CIRCUIT BREAKERS																						
		LOCATION MTG. RUS MAIN NEUTRAL GROUND THRU PROTECTIVE POLES 1 POLE 1 POLE	MTG.	MTG.	MTG.		2 POLE 3 POLE			NOTES																						
										AMPS MCB MLO	VOLTAGE	PHASE	WIRE	AIC	BUS	BUS	LUGS	DEVICE		15	20 25	30 35	40 4	15 50	60 1	5 20 2	25 30	35 4	0 45	50 6	0 15	20 25
4P1	SERVICE CABINET	SURFACE	800	800	-	277/480	3	4	65K	NO	NO	NO	YES	42	-	27 -	- -	-	- -	- -	-					- -		-	- -	- 5	5 -	-
2P1	SERVICE CABINET	SURFACE	100	100	-	120/208	3	4	10K	NO	NO	NO	YES	42	-	42 -		-			-							-				- ALL 20A/1P SHALL BE GFCI TYPE

PROJECT NO.: 1857

DATE: JANUARY 22, 2019

SCALE: AS NOTED

D.D.

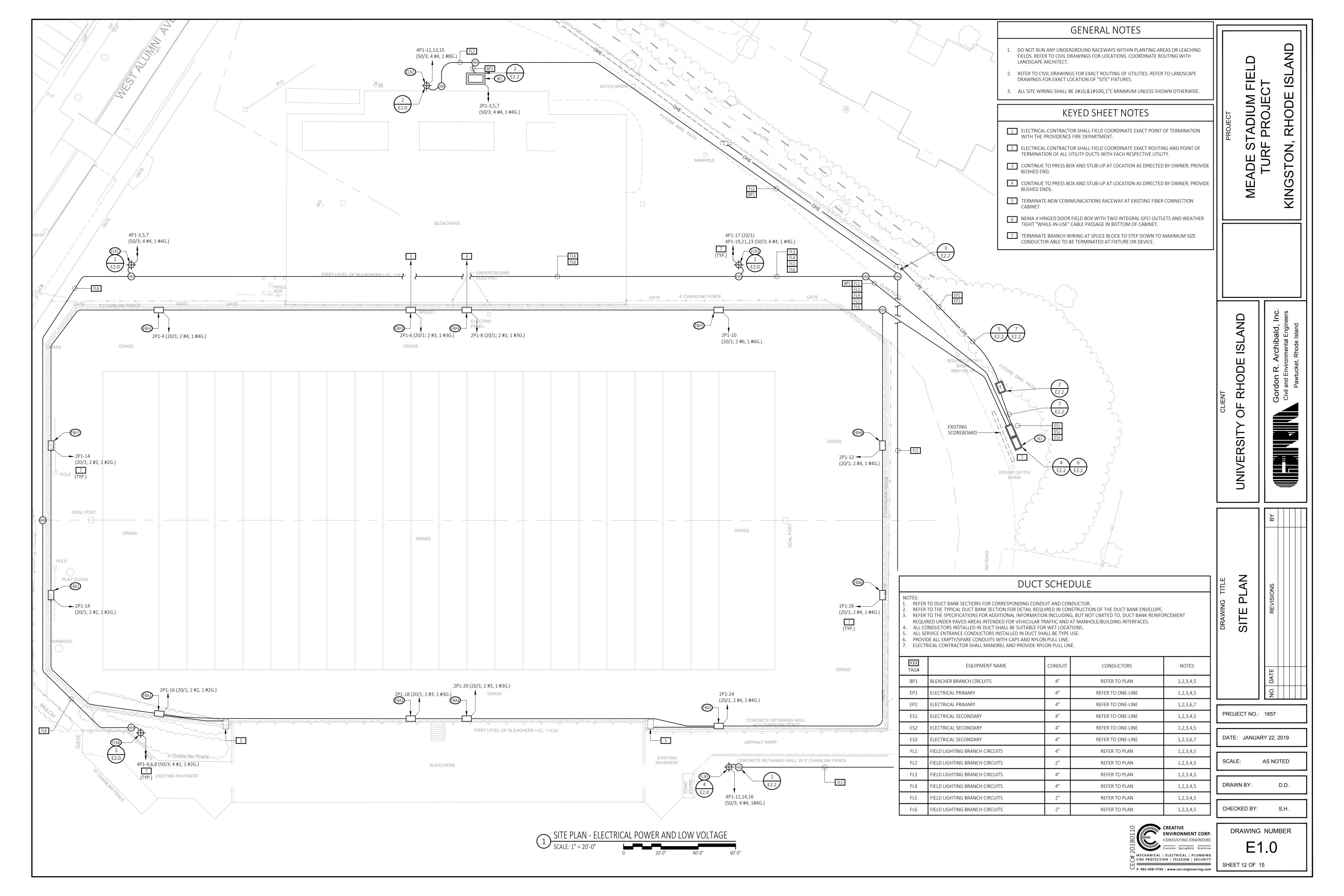
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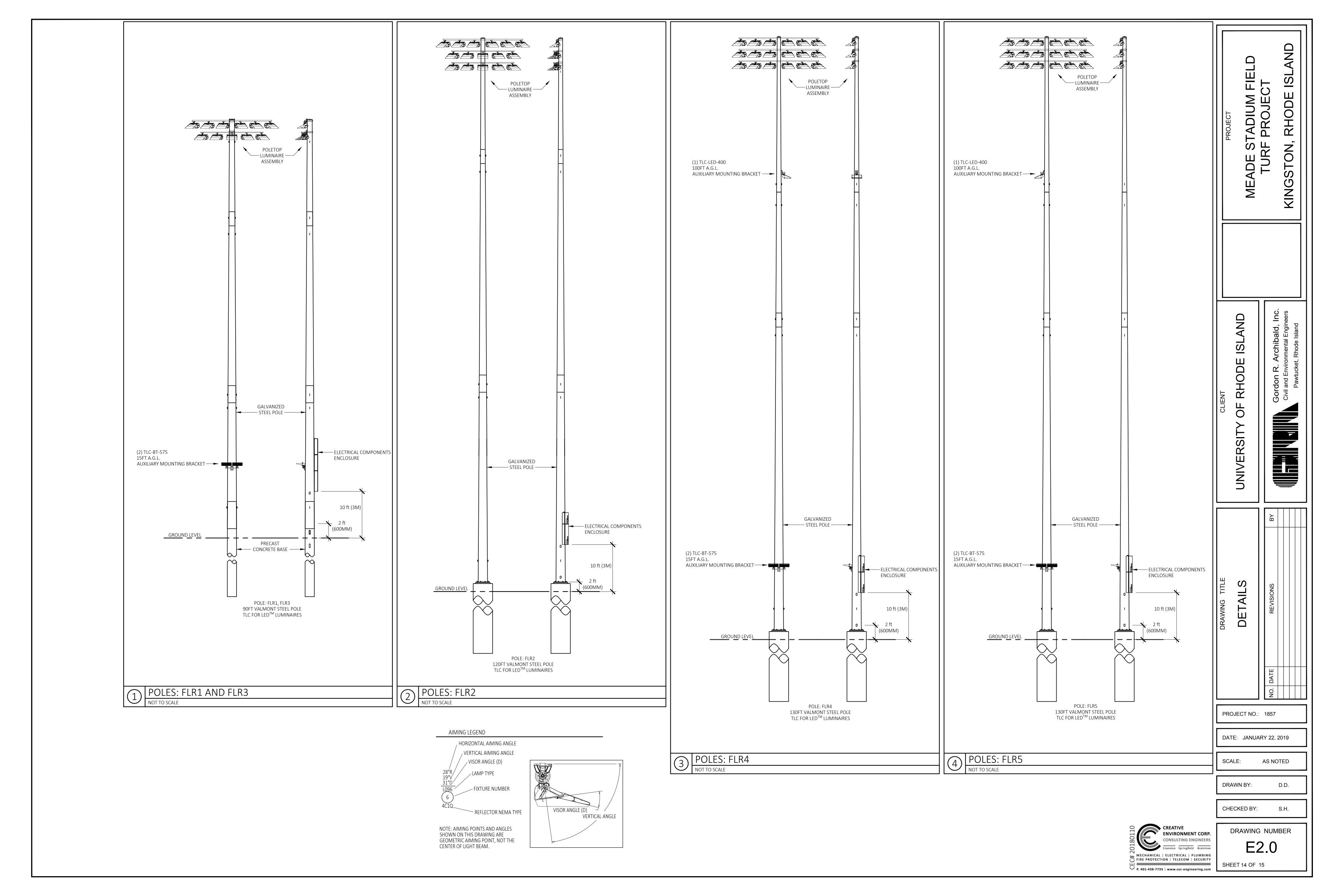
CHECKED BY: S.H.



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DRAWING NUMBER SHEET 11 OF 15





	CIRCUIT SUMMARY BY ZONE											
POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE					
FLR1	FOOTBALL	11	11	20.5	30	C1	1					
FLR2	FOOTBALL	16	16	28.2	30	C2	1					
FLR3	FOOTBALL	11	11	20.5	30	C3	1					
FLR4	FOOTBALL	18	18	30.8	60	C4	1					
FLR5	FOOTBALL	18	18	30.8	60	C5	1					
FLR1	BALL TRACKERS	3	3	2.5	30	C6	2					
FLR3	BALL TRACKERS	3	3	2.5	30	C7	2					
FLR4	BALL TRACKERS	3	3	2.5	30	C8	2					
FLR5	BALL TRACKERS	3	3	2.5	30	C9	2					
FLR4	BLEACHERS	1	1	0.9	30	C10	3					
FLR5	BLEACHERS	1	1	0.9	30	C11	3					

^{*}FULL LOAD AMPS BASED ON AMPS PER DRIVER

WIND DESIGN CRITERIA: IBC STD 2012 130MPH EXPOSURE C

LIGHTING EQUIPMENT										
APPROXIMATE FOOTCANDLE LEVEL:	75FC			DESIGN ID: 184414H-PROD		DATED: 21/JAN/19				
MAX. TO MIN. R TO RATIO NOT T				ORDER NUMBER: 400230						
	POLE			LUMINAIRES		ELECTRICAL LOAD				
POLE QUANTITY	POLE LOCATION	MOUNTING HEIGHT	POLE HEIGHT	LUMINAIRE TYPE	LUMINAIRES PER POLE	KILOWATT CONSUMPTION PER POLE				
1	FLR4	15'	130'	TLC-BT-575	3	1.73				
1	FLR4	87'	150	TLC-LED-1150	18	20.70				
1	ELDE.	15'	120	TLC-BT-575	3	1.73				
1	FLR5	87'	130'	TLC-LED-1150	18	20.70				
1	FLD1	15'	001	TLC-BT-575	3	1.73				
1	FLR1	90'	90'	TLC-LED-1150	11	12.65				
1	ELD2	-	120	-	-	-				
1	FLR2	120'	120'	TLC-LED-1150	16	18.40				
1	רוחי	15'	90'	TLC-BT-575	3	1.73				
1	FLR3	90'	90	TLC-LED-1150	11	12.65				

	PANEL SUMMARY												
CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL	CIRCUIT BREAKER POSITION							
1		C1	POLE FLR1	20.51	-	-							
1		C2	POLE FLR2	28.20	-	-							
1		C3	POLE FLR3	20.51	-	-							
1		C4	POLE FLR4	30.76	-	-							
1		C5	POLE FLR5	30.76	-	-							
1		C6	POLE FLR1	2.51	-	-							
1		C7	POLE FLR3	2.51	-	-							
1		C8	POLE FLR4	2.51	-	-							
1		C9	POLE FLR5	2.51	-	-							
1		C10	POLE FLR4	0.87	-	-							
1		C11	POLE FLR5	0.87	-	-							

	ZONE SCHEDULE										
		CIRCUIT DESCRIPTION									
ZONE	SELECTOR SWITCH	MULTI-WATT SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID						
ZONE 1	1	1	FOOTBALL	POLE FLR1	C1						
				POLE FLR2	C2						
				POLE FLR3	C3						
				POLE FLR4	C4						
				POLE FLR5	C5						
ZONE 2	2		BALL TRACKERS	POLE FLR1	C6						
				POLE FLR3	C7						
				POLE FLR4	C8						
				POLE FLR5	C9						
ZONE 3	3		BLEACHERS	POLE FLR4	C10						
				POLE FLR5	C11						

MEADE STADIUM FIELD
TURF PROJECT
KINGSTON, RHODE ISLAND

CLIENT
UNIVERSITY OF RHODE ISLAND

DETAILS

NO. DATE

NO. DATE

REVISIONS

REVISIONS

PROJECT NO.: 1857

DATE: JANUARY 22, 2019

SCALE: AS NOTED

DRAWN BY:

CHECKED BY: S.H.

CREATIVE
ENVIRONMENT CORP.
CONSULTING ENGINEERS

Cranston Springfield Braintree

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FIRE PROTECTION | TELECOM | SECURITY

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