ROUTE 33

RECREATION FIELD

305 GREENLAND RD PORTSMOUTH, NH.

WSE PROJECT 2160648

RYAN FLYNN- PROJECT MANAGER

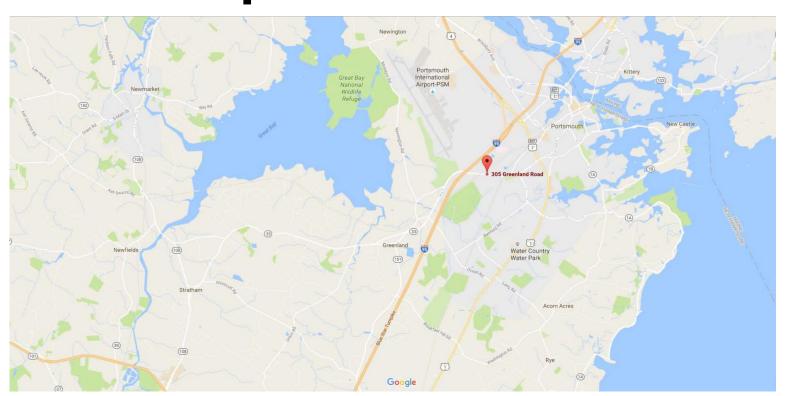
PETER RICE- DIRECTOR

ROUTE 33. RECREATION FIELD

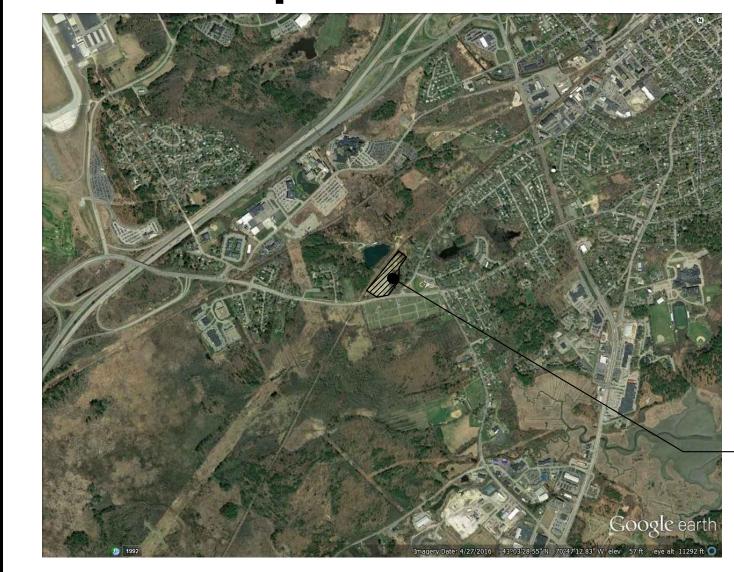
305 GREENLAND RD.

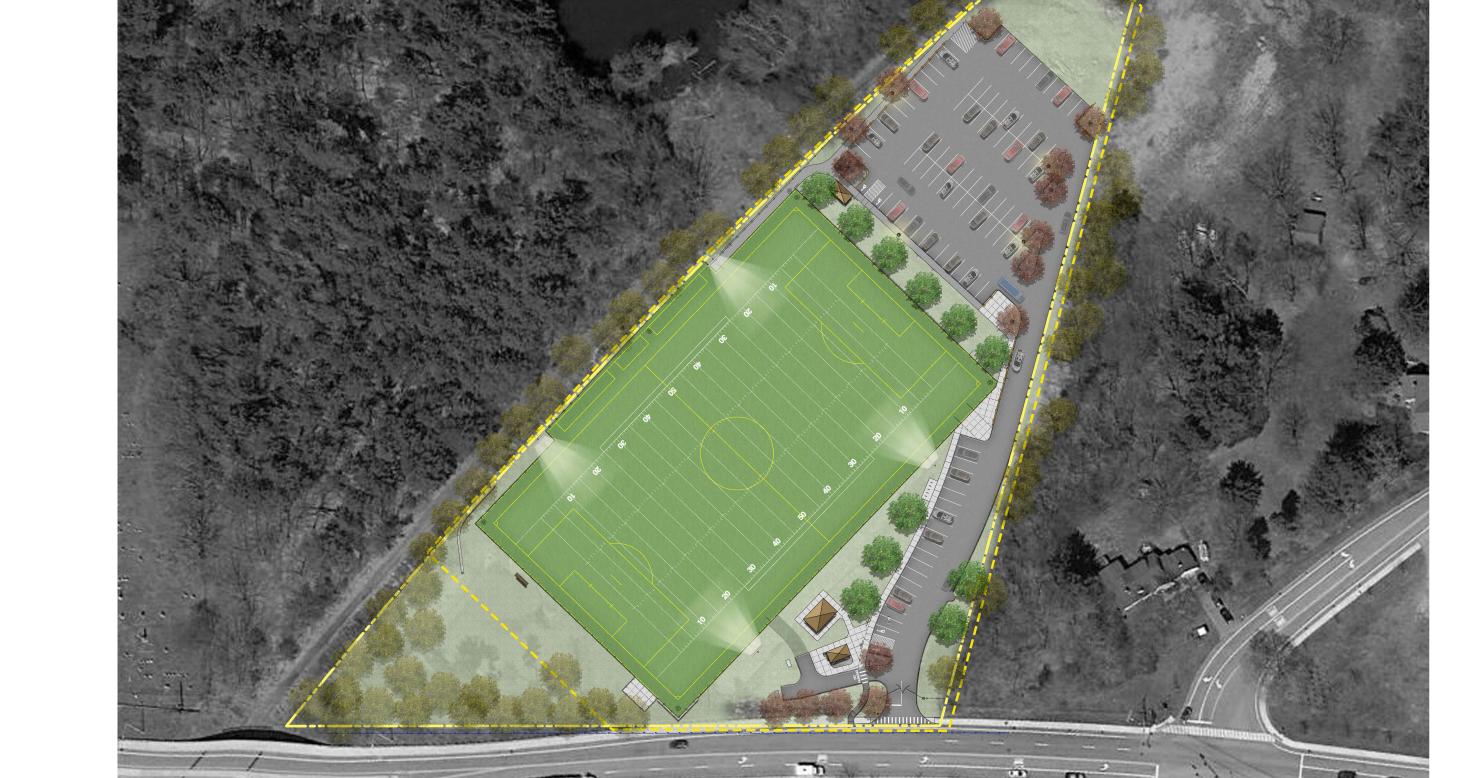
CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS 680 PEVERLY HILL ROAD PORTSMOUTH, NH. 03801

Locus Map



Aerial Map





February 2018

Prepared By



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SHEET INDEX

L0.00	COVER
L0.01	GENERAL NOTES
L1.00	EXISTING CONDITIONS PLAN
L2.00	SITE PREPARATION AND DEMOLITION PLAN
L3.00	SITE PLAN AND MATERIALS BASE BID PLAN
L3.01	SITE PLAN AND MATERIALS ALTERNATES PL
L3.02- L3.03	SECTIONS
L4.00	LAYOUT PLAN
L5.00	GRADING, DRAINAGE, AND UTILITIES PLAN
L6.00	PLANTING PLAN
L7.00- L7.07	SITE CONSTRUCTION DETAILS
E1.00- E1.02	ELECTRICAL DRAWINGS
S0.01- S0.02	STRUCTURAL DRAWINGS

CONSTRUCTION DOCUMENTS

ZONING INFORMATION:

OWNER: CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS 680 PEVERLY HILL ROAD PORTSMOUTH, NH. 03801

ZONE: M

ZONING REQUIREMENTS: LOTS AND BUILDINGS IN THE MUNICIPAL DISTRICT ARE EXEMPT FROM ALL DIMENSIONAL AND INTENSITY REGULATIONS.SEE SECTION 10.560 OF THE CITY OF PORTSMOUTH ZONING ORDINANCE.

ABUTTER INFORMATION:

MAP 165 LOT 14 BOSTON AND MAINE CORPORATION IRON HORSE PARK HIGH STREET NORTH BILLERICA, MA 01862

98 SUMMER STREET PORTSMOUTH, NH 03801 MAP 241 LOT 20

MAP 242 LOT 1 STATE OF NEW HAMPSHIRI FISH AND GAME DEPARTMENT 11 HAZEN DRIVE CONCORD, NH 03301 RCRD BK.#5248 PG.#739

ANDREW H. SHERBURNE REVOCABLE TRUST 24 TONGA DRIVE BOW, NH 03304 RCRD BK.#5289 PG.#138

MAP 242 LOT 5 N/F

ROMAN CATHOLIC BISHOP OF MANCHESTER

CHURCH OF IMMAC

CONCEPTION

SURVEY PREPARED BY:



Phone (603) 431-2222 Fax (603) 431-0910

www.mscengineers.com

L0.00 516067

GENERAL NOTES

- PROPERTY LINES, SITE SURVEY AND TOPOGRAPHICAL INFORMATION BASED ON THE GROUND SURVEY PERFORMED BY TFM/ MSC ENGINEERS ON OCTOBER 17, 2016.
- ALL BIDDERS ARE REQUIRED TO INSPECT THE PROJECT SITE IN ITS ENTIRETY PRIOR TO SUBMITTING THEIR BID, AND BECOME FAMILIAR WITH ALL CONDITIONS AS THEY MAY AFFECT THEIR BID. CONTRACTOR AND SUB-CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING
- LOCATIONS OF ANY UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SUCH UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. IN ACCORDANCE WITH THE CITY OF PORTSMOUTH AND THE STATE OF NEW HAMPSHIRE, INCLUDING AMENDMENTS, CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 HOURS, (EXCLUSIVE OF WEEKENDS AND HOLIDAYS), PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO PROJECT REPRESENTATIVE PRIOR TO EXCAVATION WORK.
- 4. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE OWNER'S REPRESENTATIVE FOR RESOLUTION OF THE CONFLICT.
- 5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS. ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY OWNER AT NO ADDITIONAL COST TO THE CITY OF PORTSMOUTH.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
- ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION, PERMANENT CONSTRUCTION AND WORK OF ADJACENT CONTRACTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- 8. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON THE "AS-BUILT" DRAWINGS.
- 9. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- 10. ALL WORK SHOWN ON THE PLANS AS BOLD SHALL REPRESENT PROPOSED WORK. THE TERM "PROPOSED (PROP)" INDICATES WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND SALVAGE (R&S)", OR REMOVE, RELOCATE, SALVAGE,
- 11. ALL KNOWN EXISTING STATE, COUNTY AND CITY LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND ARE INDICATED ON THE PLANS.
- 12. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT HIS EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
- 13. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA "COMPETENT PERSON" PRIOR TO CONSTRUCTION.
- 14. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE
- 15. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION.
- 16. TREES AND SHRUBS WITHIN THE LIMITS OF WORK SHALL BE REMOVED ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT OR AS NOTED ON THE PLANS.
- 17. NO FILLING SHALL OCCUR AROUND EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER OR OWNER REPRESENTATIVE.
- 18. THE CONTRACTOR SHALL REMOVE ALL SURFACE VEGETATION PRIOR TO GRADING THE SITE. TREES AND STUMPS SHALL BE REMOVED AND DISPOSED COMPLETE BY CONTRACTOR. TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS (INCLUDING SILT FENCE, STRAW WATTLES, OR SILT SOCKS) SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE PROJECT WHICH COST SHALL BE INCIDENTAL TO THE PROJECT.
- 19. ALL UNSUITABLE UNCONTAMINATED EXCESS SOIL FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY. REMOVAL ACTIVITIES SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS AT NO ADDITIONAL COST TO THE CITY. SUITABLE SOIL EXCAVATION AS PART OF THE PROJECT MUST MEET ONE OR MORE OF THE MATERIAL REQUIREMENTS SPECIFIED. ON-SITE FILL MATERIALS, WHICH DO NOT CONFORM TO THE SPECIFICATIONS, SHALL NOT BE USED BELOW ANY STRUCTURES. IF THE CONTRACTOR PROPOSES TO USE THE EXISTING FILL ON SITE BELOW PAVEMENT AREAS, HE MUST DEMONSTRATE THAT THE FILL MEETS THE REQUIREMENTS PER THE SPECIFICATIONS. ALL EXCAVATED FILL MATERIAL WHICH DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT NO ADDITIONAL COST.
- 20. CONTRACTOR IS RESPONSIBLE FOR STAKING CONSTRUCTION BASELINES IN FIELD WITH A NEW HAMPSHIRE REGISTERED PROFESSIONAL LAND SURVEYOR. NO CONSTRUCTION WILL BE PERFORMED WITHOUT THE PROPOSED BASELINES AND LAYOUTS APPROVED BY THE ENGINEER.
- 21. NO FILL SHALL CONTAIN HAZARDOUS MATERIALS.
- 22. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AROUND PERIMETER OF WORK AREA (LIMIT OF WORK). FENCE SHALL NOT IMPEDE TRAVEL WAYS.
- 23. ANY QUANTITIES SHOWN ON PLANS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO SUBMITTING BID.
- 24. ALL EXISTING DRAINAGE FACILITIES TO REMAIN SHALL BE MAINTAINED FREE OF DEBRIS, SOIL, SEDIMENT, AND FOREIGN MATERIAL AND OPERATIONAL THROUGHOUT THE LIFE OF THE CONTRACT. REMOVE ALL SOIL, SEDIMENT, DEBRIS AND FOREIGN MATERIAL FROM ALL DRAINAGE STRUCTURES, INCLUDING BUT NOT LIMITED TO. DRAINAGE INLETS. MANHOLES AND CATCH BASINS WITHIN THE LIMIT OF WORK AND DRAINAGE STRUCTURES OUTSIDE THE LIMIT OF WORK THAT ARE IMPACTED BY THE WORK FOR THE ENTIRE DURATION OF CONSTRUCTION.
- 25. CONTRACTOR'S STAGING AREA MUST BE WITHIN THE CONTRACT LIMIT LINE AND IN AREAS APPROVED BY OWNER. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.
- 26. THE CONTRACTOR SHALL KEEP ALL STREETS, PARKING LOTS AND WALKS THAT ARE NOT RESTRICTED FROM PUBLIC USE DURING CONSTRUCTION BROOM CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE ACCEPTABLE METHODS AND MATERIALS TO MAINTAIN ADEQUATE DUST CONTROL THROUGHOUT CONSTRUCTION.

- 27. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER
- 28. CONTRACTOR SHALL DEWATER AS NECESSARY TO PERFORM THE PROPOSED WORK. CONTRACTOR SHALL BE AWARE OF ANY PERCHED GROUNDWATER.
- 29. THE LIMIT OF WORK SHALL BE DELINEATED IN THE FIELD PRIOR TO THE START OF SITE CLEARING OR CONSTRUCTION AND AGREED UPON WITH THE OWNER.
- 30. DEEP SUMP CATCH BASINS AND STORMWATER BASIN SHALL BE CLEANED FOLLOWING CONSTRUCTION AND SHALL FOLLOW THE OPERATION AND MAINTENANCE PLAN THEREAFTER.
- 31. HAULING OF EARTH MATERIALS TO AND FROM THE SITE SHALL BE RESTRICTED TO THE HOURS OF 7 AM TO 5
- 32. ANY BOULDERS 3 CU. YDS. OR SMALLER SHALL BE CONSIDERED UNDOCUMENTED FILL AND SHALL BE DISPOSED OF AT NO ADDITIONAL COST TO THE CITY.
- 33. WORK ON SATURDAYS SHALL ONLY BE CONDUCTED IF PRIOR WRITTEN PERMISSION IS PROVIDED BY THE
- 34. NO TRUCKS LEFT IDLING ON CITY STREETS DURING CONSTRUCTION. CONSTRUCTION TRAFFIC AT NO TIME SHALL IMPEDE FLOW OF RESIDENT TRAFFIC.

EROSION AND SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING ANY CONSTRUCTION OR DEMOLITION. REFER TO PLANS FOR APPROXIMATE LOCATION OF EROSION AND SEDIMENT CONTROL. REFER TO SPECS AND DETAILS FOR TYPE OF EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF ALL CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
- CONTRACTOR SHALL MEET ALL OF THE STATE OF NEW HAMPSHIRE D.E.P. AND THE CITY OF PORTSMOUTH REGULATIONS FOR SEDIMENT AND EROSION CONTROL.
- EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S
- ALL CATCH BASINS AND DRAIN GRATES WITHIN LIMIT OF CONTRACT SHALL BE PROTECTED WITH SILT SACKS DURING THE ENTIRE DURATION OF CONSTRUCTION.
- EROSION CONTROL BARRIERS TO BE INSTALLED AT THE TOE OF SLOPES. SEE GRADING & DRAINAGE PLANS, NOTES, DETAILS AND SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
- 8. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC/PRIVATE ROADS.

DEMOLITION & SITE PREPARATION NOTES

- 1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION. DEMOLITION AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
- 2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
- 3. UNLESS SPECIFICALLY NOTED TO BE REMOVED / SALVAGED (R&S), ALL SITE FEATURES CALLED FOR REMOVAL (REM) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC, TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO ADDITIONAL COST TO THE OWNER.
- 4. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- 5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN. OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
- 6. IT SHALL BE THE CONTRACTOR'S OPTION, WITH CONCURRENCE OF THE OWNER, TO REUSE EXISTING GRAVEL IF IT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS FOR GRAVEL BORROW.
- 7. 'STRIP AND REMOVE TURF' SHALL INCLUDE REMOVAL OF GRASS, SHRUBS, UNDERBRUSH, AND ALL VEGETATION, REMOVAL OF ROOTS, ROUGH GRADING, INSTALLATION OF LOAM (IF APPLICABLE), FINE GRADING, SEEDING AND TURF ESTABLISHMENT BY THE CONTRACTOR.
- 8. TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 9. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 10. LOAM / TOP SOIL DESIGNATED FOR REUSE AS GENERAL FILL SHALL BE BLENDED WITH SUITABLE BORROW MATERIAL AS SPECIFIED.
- 11. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN, CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIERS AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS.

LAYOUT & MATERIALS NOTES

- 1. REFER TO EXISTING CONDITIONS PLANS FOR SURVEY INFORMATION (SHEET L1.00).
- 2. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
- 3. ALL WORK SHALL BE PERFORMED BY CONTRACTOR UNLESS SPECIFICALLY INDICATED THAT THE WORK WILL BE PERFORMED "BY OTHERS" OR "UNDER SEPARATE CONTRACT".
- 4. TO FACILITATE LAYOUT OF PROPOSED SITE FEATURES AND FACILITIES, LAYOUT INFORMATION FOR CERTAIN FUTURE WORK, WHICH IS NOT INCLUDED WITHIN THE SCOPE OF THIS CONTRACT HAS BEEN PROVIDED ON THE LAYOUT AND MATERIALS PLAN FOR INFORMATION ONLY. SOME ITEMS ARE "NOT IN CONTRACT" (NIC) AND SHOWN FOR REFERENCE ONLY.
- 5. THE LAYOUT OF SITE AMENITIES AND FENCES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 6. THE LAYOUT OF ALL NEW PATHWAYS / WALKWAYS AND THE GRADING OF ALL SLOPES AND CROSS SLOPES SHALL CONFORM TO THE NEW HAMPSHIRE RULES AND REGULATIONS FOR HANDICAP ACCESS CMR 521, AND THE AMERICANS WITH DISABILITIES ACT (ADA), TITLE 3. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE REQUIRED.
- 7. ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
- 8. ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER. ALL LAYOUT SHALL BE PERFORMED BY A NH. REGISTERED PROFESSIONAL LAND SURVEYOR.
- 9. ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES, ALL BITUMINOUS CONCRETE SHALL BE TREATED WITH AN RS-1 TACK COAT AT POINT OF CONNECTION. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT AND MATERIALS PLAN.
- 10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENT OF ALL PROPOSED FENCES AND GATES.
- 12. THE DEPTH OF LOAM BORROW FOR ALL PROPOSED LAWN AREAS SHALL BE 6" MINIMUM. ALL DISTURBED AREAS SHALL BE RESTORED WITH LOAM AND SEED UNLESS OTHERWISE NOTED
- 13. REFER TO DETAIL DRAWINGS FOR CONSTRUCTION DETAILS.
- 14. SURVEY CONTROL POINTS AND COORDINATES ARE INDICATED ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT OR CREATE HIS OWN PROTECTED CONTROL POINTS FROM THIS INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL LAYOUT POINTS ARE CONSISTENT WITH CONTROL INFORMATION. RESETTING OF DAMAGED OR MISSING LAYOUT MARKERS AS NECESSARY IS AT NO ADDITIONAL COST TO THE OWNER.

GRADING, UTILITIES & DRAINAGE NOTES

- 1. ALL WORK RELATING TO INSTALLATION, RENOVATION OR MODIFICATION OF WATER, DRAINAGE AND/OR SEWER SERVICES SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS OF THE CITY OF PORTSMOUTH DPW AND SHALL BE INSPECTED BY DPW PRIOR TO BACKFILL.
- 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY
- 3. ALL GRADING IS TO BE SMOOTH AND CONTINUOUS WHERE PROPOSED SURFACES MEET EXISTING SURFACES, ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES AND MEET LINE AND GRADE OF EXISTING CONDITIONS WITH NEW IMPROVEMENTS.
- 4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE (1.5% MINIMUM) AWAY FROM ALL BUILDING FOUNDATIONS AND STRUCTURES.
- 5. CONTRACTOR SHALL ENSURE ALL AREAS ARE PROPERLY PITCHED TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING.
- 6. MINIMUM CROSS SLOPE ON ALL WALKWAYS WILL BE 1:100 OR A MAXIMUM OF 1.5% TO PROVIDE POSITIVE DRAINAGE. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER PRIOR TO CONTINUING WORK.
- 7. ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES. ALL UTILITY GRATES WITHIN PLAYING FIELDS OR INDICATED TO BE "BURIED" SHALL BE 4" BELOW FINISH GRADE AND COVERED WITH FINISH MATERIAL INDICATED ON PLANS.
- 8. THE CONTRACTOR SHALL SET SUBGRADE ELEVATIONS TO ALLOW FOR POSITIVE DRAINAGE AND PROVIDE EROSION CONTROL DEVICES, STRUCTURES, MATERIALS AND CONSTRUCTION METHODS TO DIRECT SILT MIGRATION AWAY FROM DRAINAGE AND OTHER UTILITY SYSTEMS, PUBLIC/PRIVATE STREETS AND WORK AREAS. CLEAN BASINS REGULARLY AS NEEDED AND AT THE END OF THE PROJECT.
- 9. EXCAVATION REQUIRED WITHIN PROXIMITY OF KNOWN EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 10. WHERE NEW EARTHWORK MEETS EXISTING GRADE, CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES.
- 11. WHERE A SPECIFIC LIMIT OF WORK LINE IS NOT OBVIOUS OR IMPLIED, BLEND GRADES TO EXISTING CONDITIONS WITHIN 5 FEET OF PROPOSED CONTOURS.
- 12. RESTORE ALL DISTURBED AREAS AND LIMITS OF ALL REMOVALS TO LOAM AND SEED (L&S) UNLESS OTHERWISE NOTED.
- 13. SEE EARTHWORK SECTION OF SPECIFICATIONS FOR SPECIFIC EXCAVATION AND FILLING PROCEDURES.
- 14. FOR STRUCTURE REMODELING (REMOD), CONSTRUCTION METHODS SHALL FOLLOW NEW HAMPSHIRE DOT STANDARD SPEC. LATEST EDITION.

ABBREVIATIONS

GENERAL

WCR

EOP

PROT

CTE

PROP PROPOSED ADJUST ADJ BIT. CONC. **BITUMINOUS CONCRETE** CEM. CONC. **CEMENT CONCRETE BASELINE** N.T.S. NOT TO SCALE **BVCL** BLACK VINYL CHAIN LINK **BENCH MARK** B.M. ABAN ABANDON MB MAIL BOX GRAN. CURB **GRANITE CURB** EXIST. **EXISTING** (OR EX.) FDN **FOUNDATION** F.L. (OR F) FLOW LINE PROPERTY LINE **PVMT** PAVEMENT P.W.W. **PAVED WATERWAY** REINFORCED CONCRETE NEW HAMPSHIRE HIGHWAY BOUND M.H.B. REM REMOVE REMOD REMODEL RET RETAIN R.O.W. **RIGHT-OF-WAY** R&S REMOVE AND SALVAGE R,R&S REMOVE, RELOCATED AND SALVAGE R&S REMOVE AND STACK R&D REMOVE AND DISPOSE STONE BOUND **NOT IN CONTRACT** H.C. HANDICAP

WHEELCHAIR RAMP

FINISHED FLOOR

HOT MIX ASPHALT G.C. **GENERAL CONTRACTOR** E.C. **ELECTRICAL CONTRACTOR** P.C. PLUMBING CONTRACTOR **SWEL** SOLID WHITE EDGE LINE **BWLL** BROKEN WHITE LANE LINE SYEL SOLID YELLOW EDGE LINE SB/DH STONE BOUND/ DRILL HOLE CLF CHAIN LINK FENCE TEMP. **TEMPORARY** TYP. TYPICAL EQ **EQUIPMENT** H.C.

HANDICAP **EDGE OF PAVEMENT** PROTECT CONNECT TO EXISTING **ROOF LEADER**

L.O.W. LIMIT OF WORK VERIFY IN FIELD BORDERING VEGETATED WETLAND BVW

UTILITIES

GUTTER INLET W/ CURB INLET CATCH BASIN W/ CURB INLET CBCI C.I.T. **CHANGE IN TYPE** F&G FRAME AND GRATE F&C FRAME AND COVER **CURB INLET** CIP CAST IRON PIPE CMP CORRUGATED METAL PIPE DRAIN INLET **GUTTER INLET** ACCM PIPE ASPHALT COATED CORRUGATED METAL PIPI HYDRANT INVERT ELEVATION INV. ELEV. UTILITY POLE SMH **SEWER MANHOLE** WATER GATE DOWN SPOUT **HDPE** HIGH DENSITY POLYETHYLENE PIPE PVC POLYVINYL CHLORIDE REINFORCED CONCRETE PIPE RCP DMH DRAIN MANHOLE LEACHING BASIN LEACHING GALLEY CAST IRON ocs **OUTLET CONTROL STRUCTURE** OGT OIL AND GRIT TRAP VITRIFIED CLAY PIPE LIGHT POLE OHW **OVERHEAD WIRE** UPLP UTILITY POLE WITH LIGHT SWTU STORM WATER TREATMENT UNIT HANDHOLE GARAGE WASTE CLEANOUT LEACHING CHAMBER GATE VALVE CONNECTION UNKNOWN

ALIGNMENT/GRADING

PCC

PVC

ELEV

STA

BOTTOM OF WALL BOTTOM OF CURB POINT OF INTERSECTION POINT OF CURVATURE POINT OF TANGENCY POINT OF REVERSE CURVATURE POINT OF COMPOUND CURVATURE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL CURVATURE POINT OF VERTICAL TANGENCY **ELEVATION** CENTER OF CURVE HIGH POINT LOW POINT RADIUS OF CURVATURE STATION S.S.D. STOPPING SIGHT DISTANCE TOP OF CURB TOP OF WALL

CITY OF PORTSMOUTH, NH

RTE 33. RECREATIONAL FIELD

305 GREENLAND RD. PORTSMOUTH, NH. 03801

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Consultants:

Revisions: Date Description

> Issued For: 100% CONSTRUCTION

AS SHOWN 02-05-2018

EJA, MRJ

DMM

DOCUMENTS

Approved By: MSM W&S Project No: 2160648

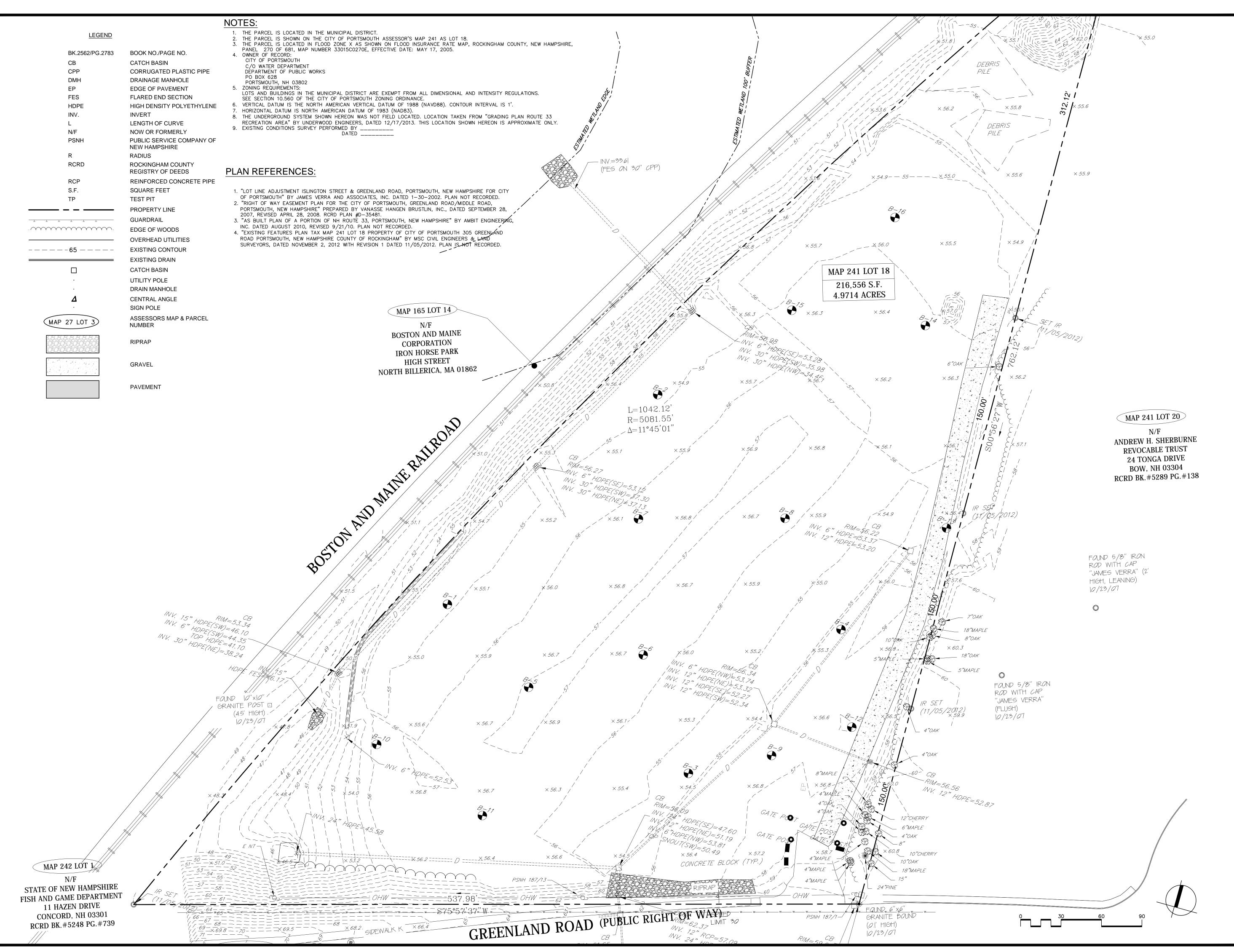
Drawn By

Reviewed By:

W&S File No:

Drawing Title: **GENERAL NOTES**

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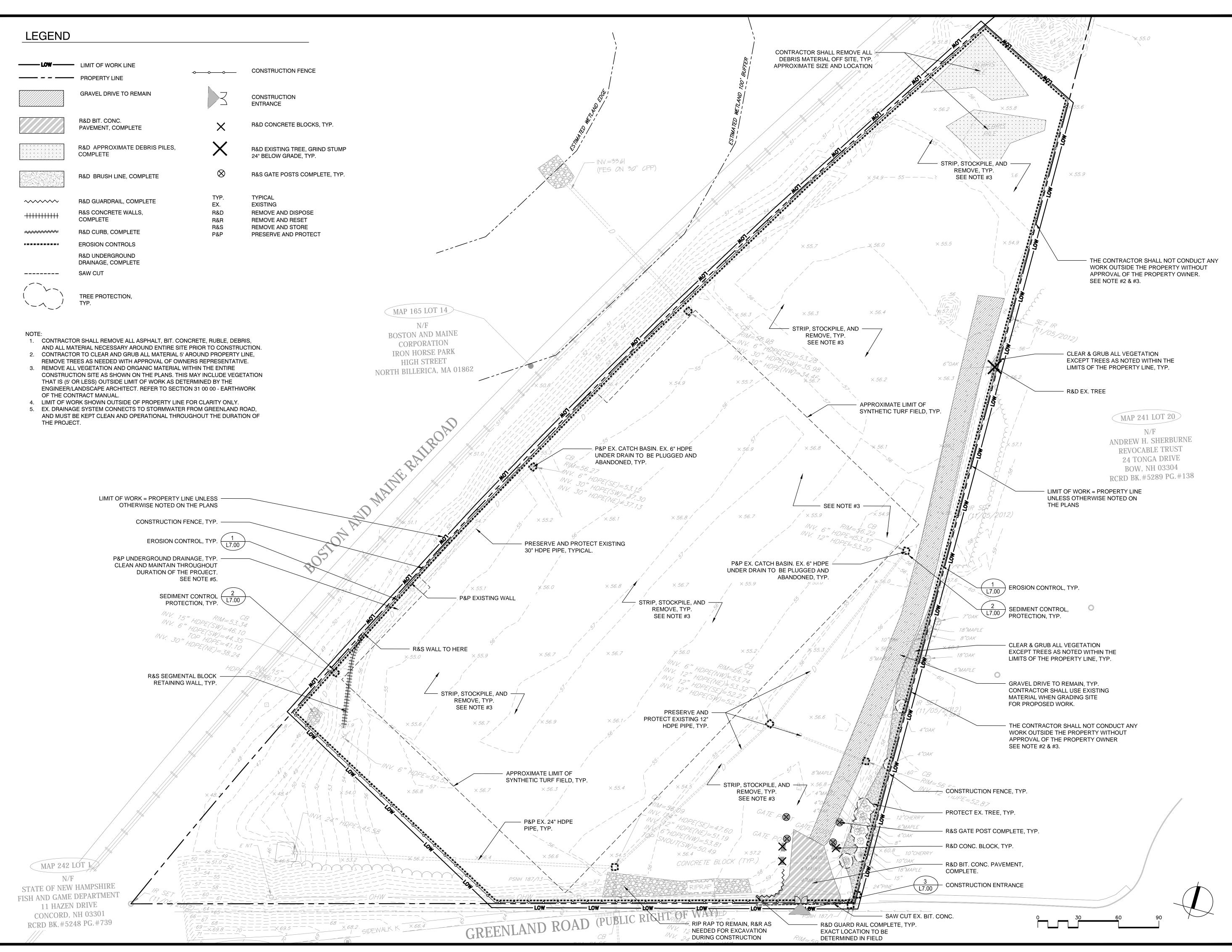
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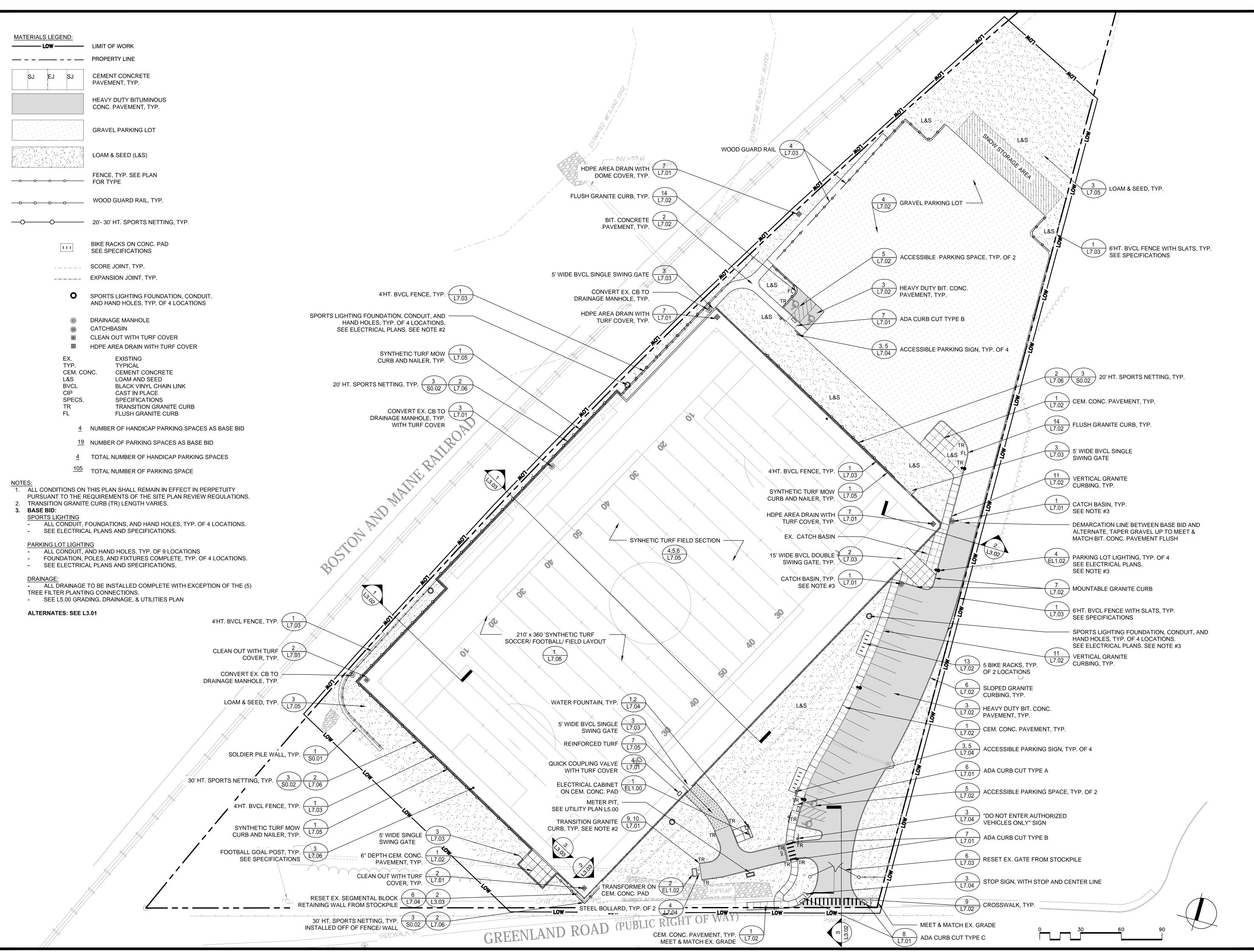
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SITE PREPARATION AND DEMOLITION PLAN

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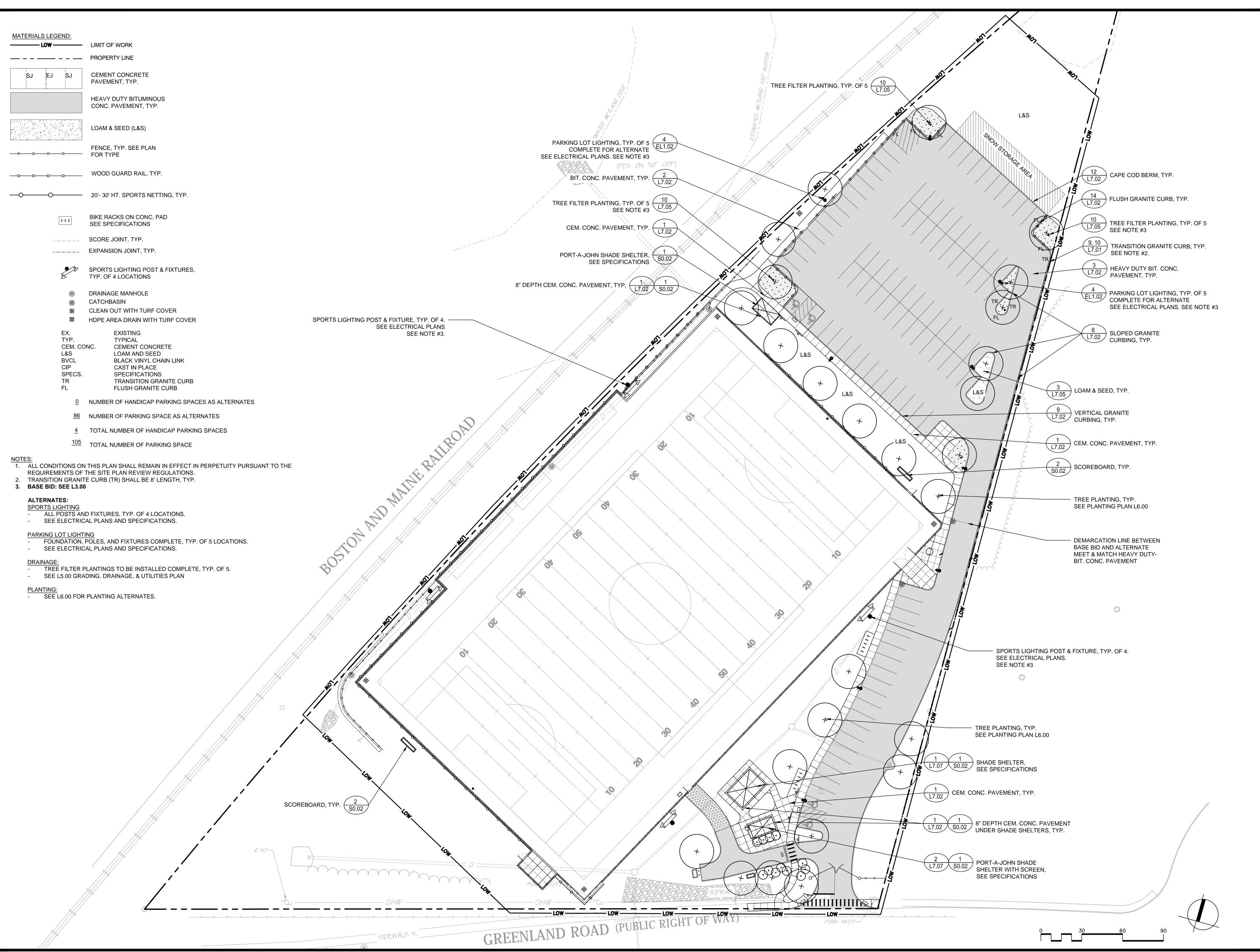
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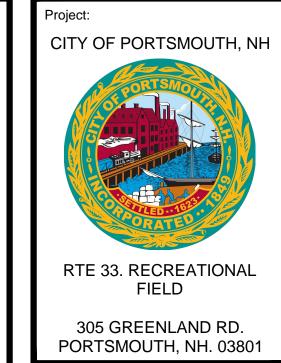
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SITE PLAN + MATERIALS BASE BID PLAN

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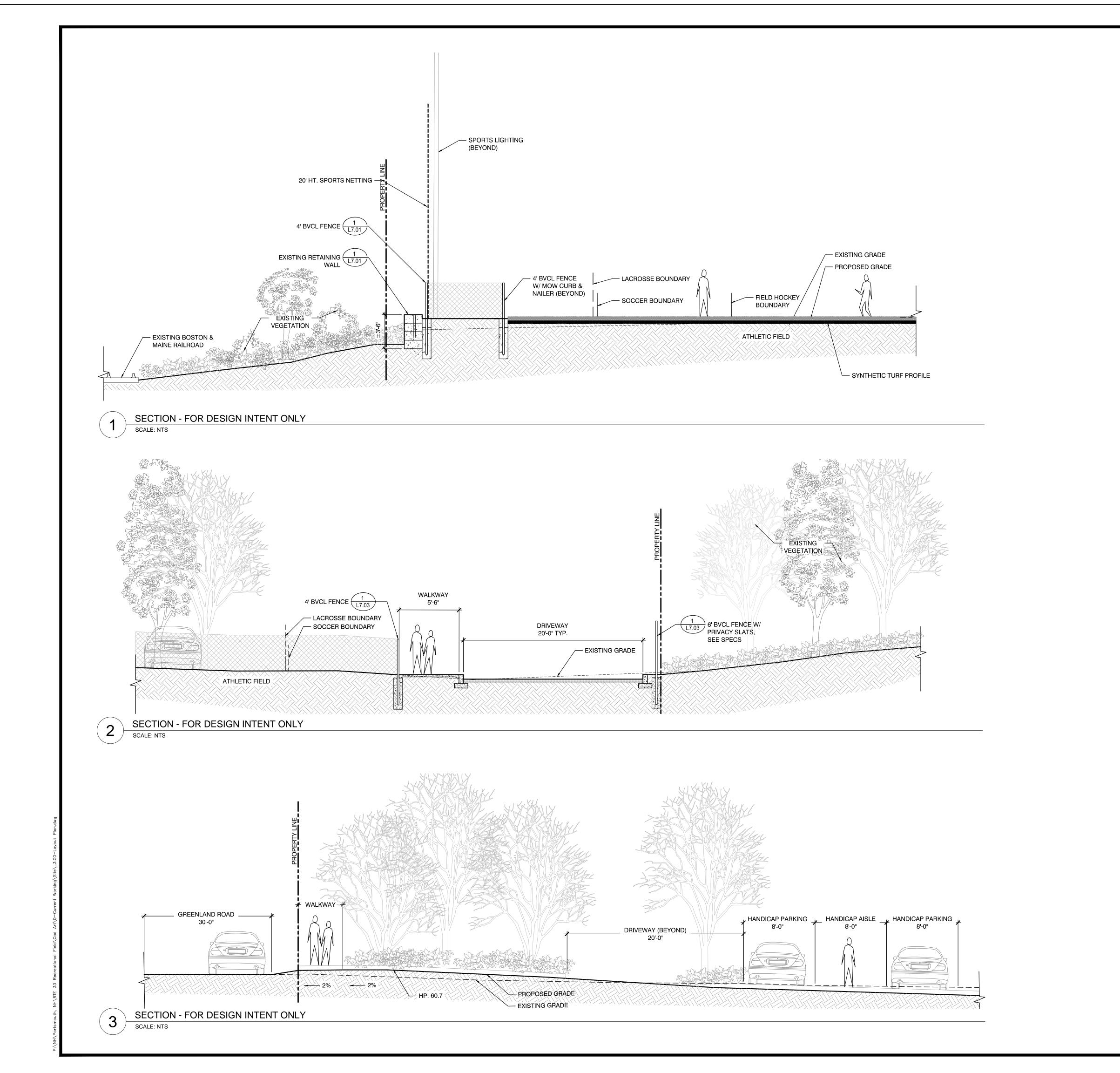
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SITE PLAN + MATERIALS ALTERNATES PLAN

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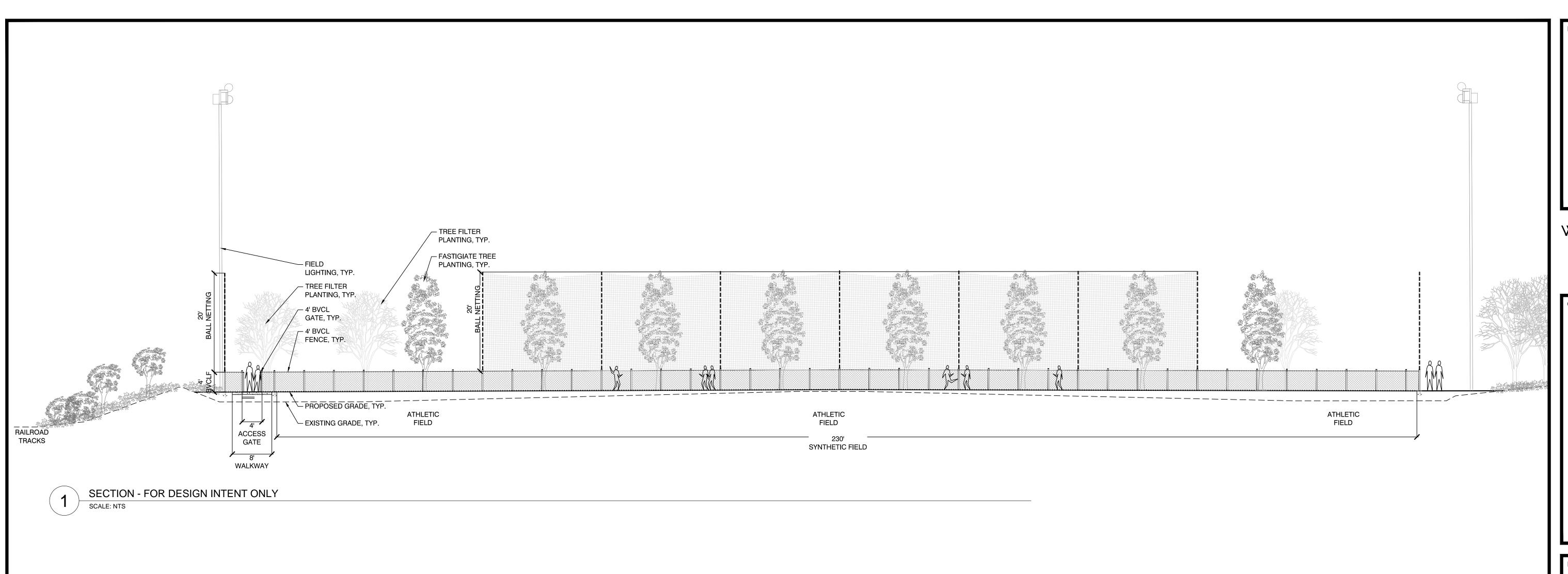
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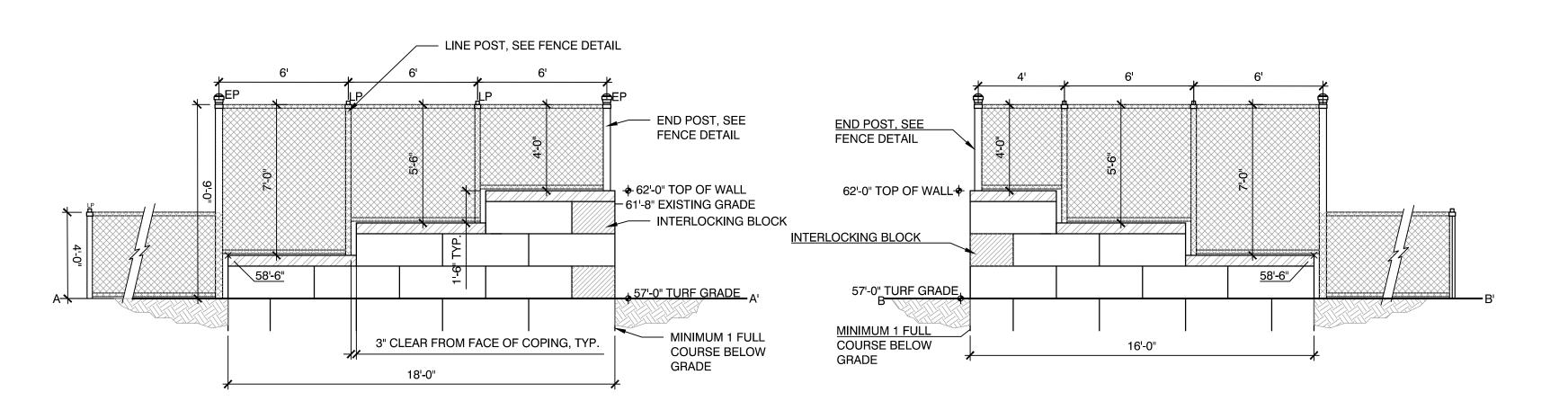
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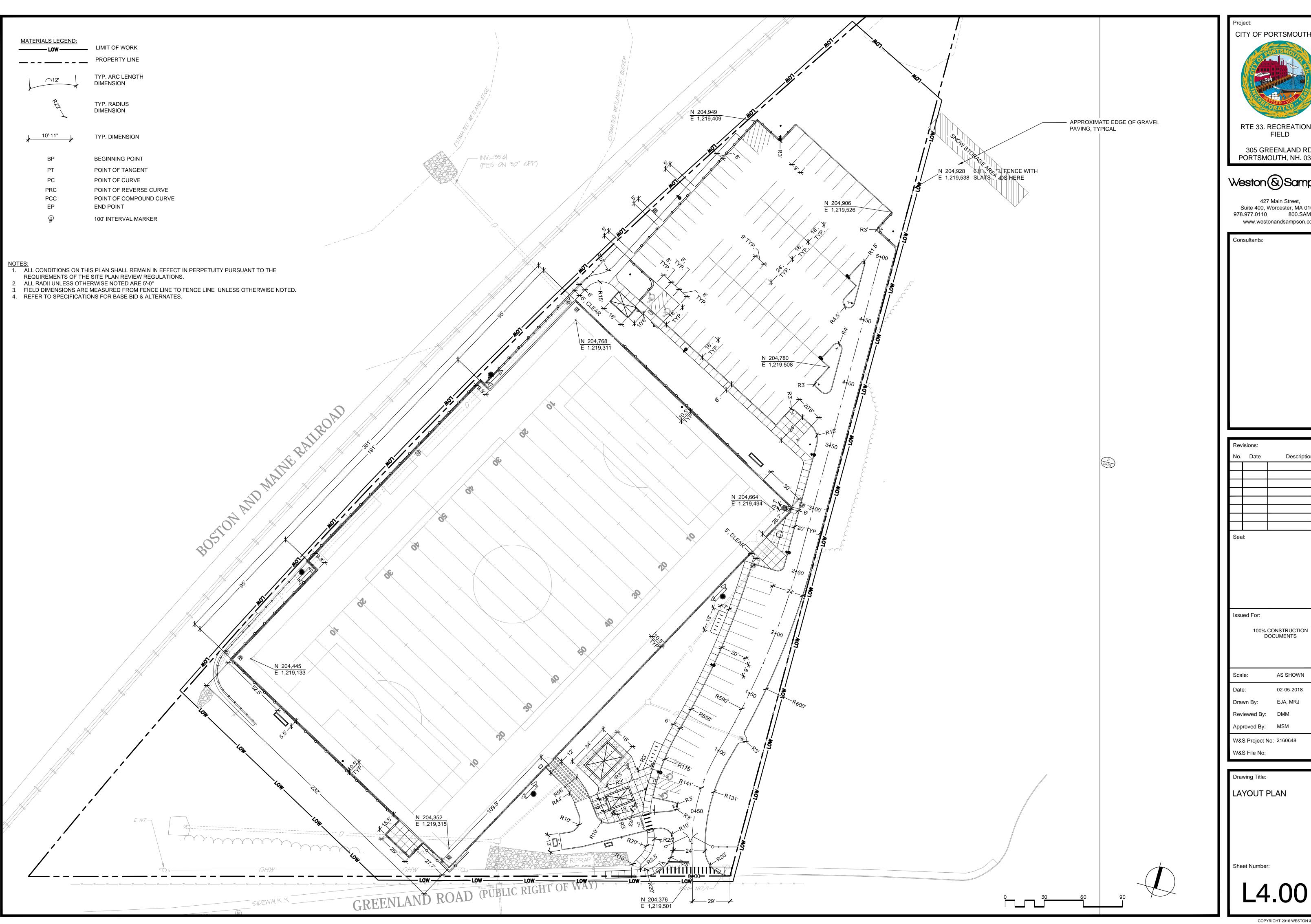
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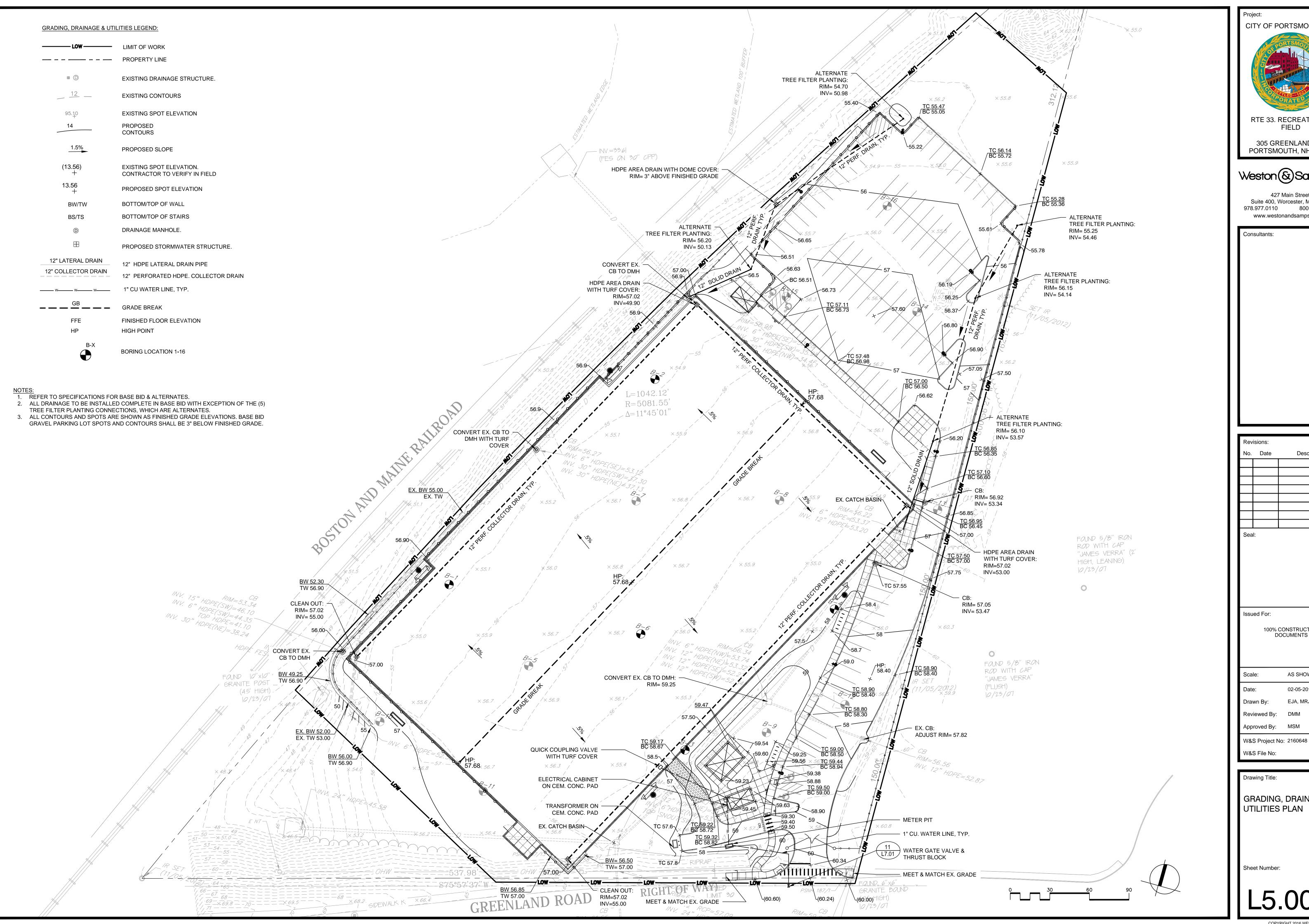
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LAYOUT PLAN



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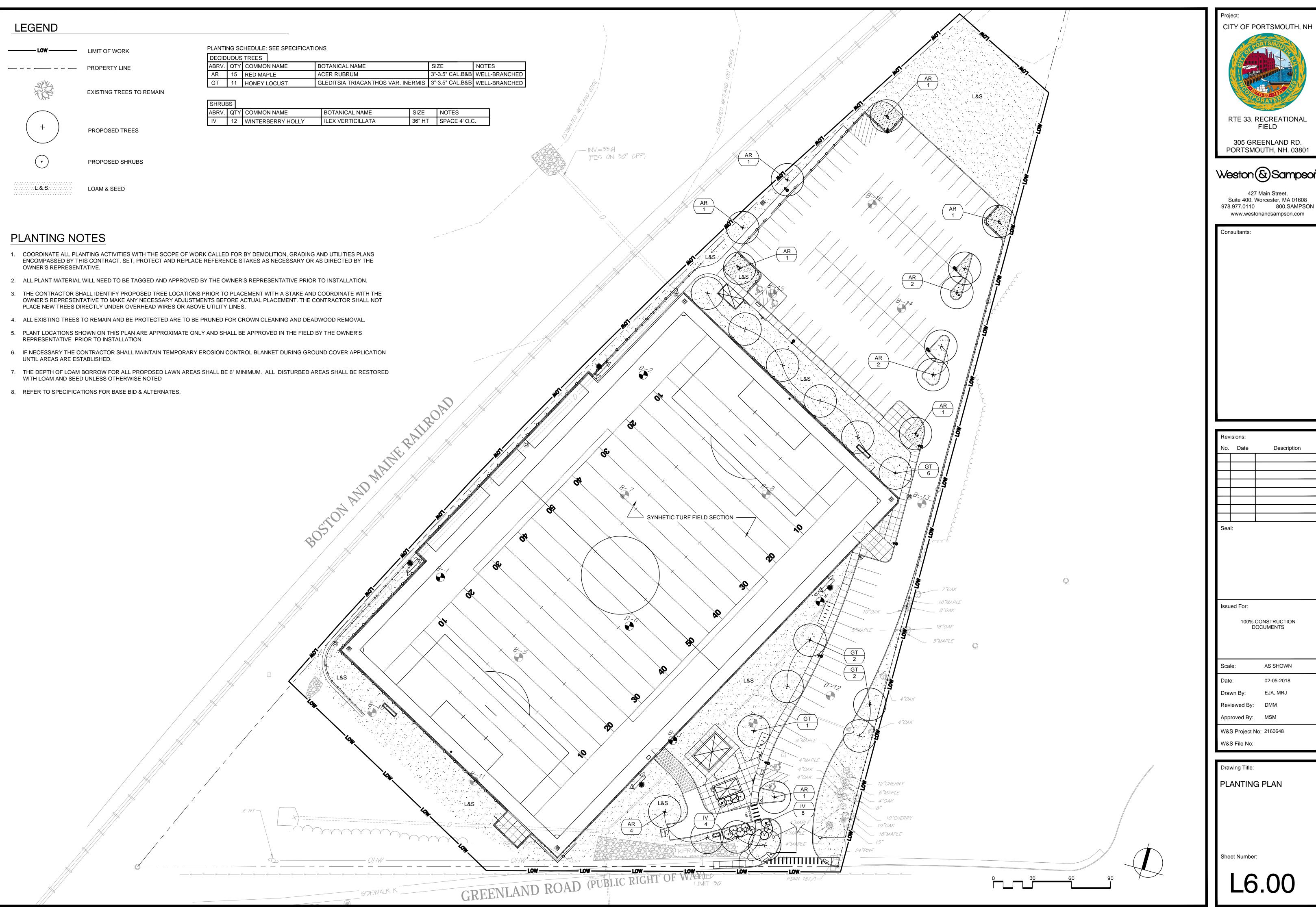
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GRADING, DRAINAGE & UTILITIES PLAN

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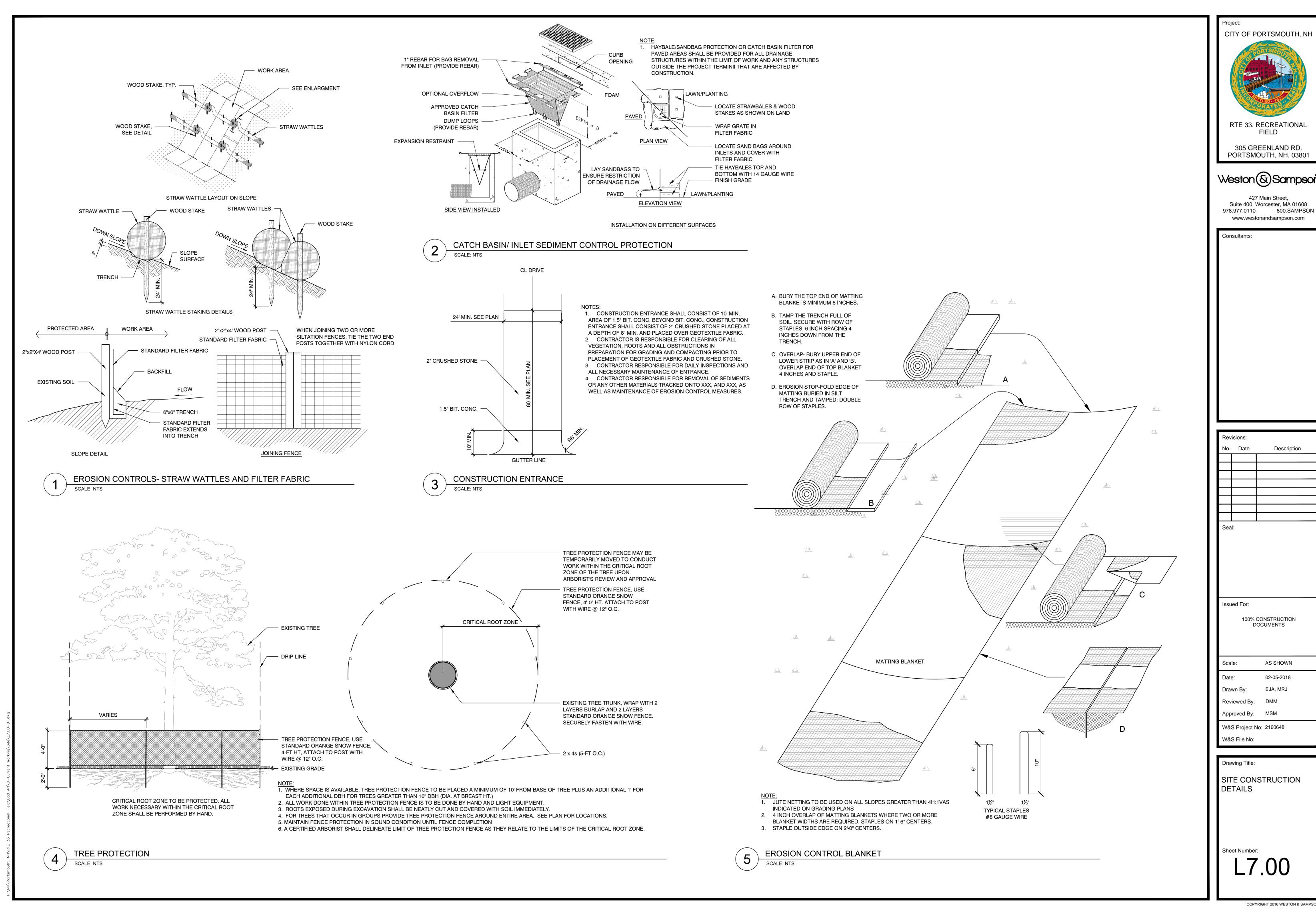


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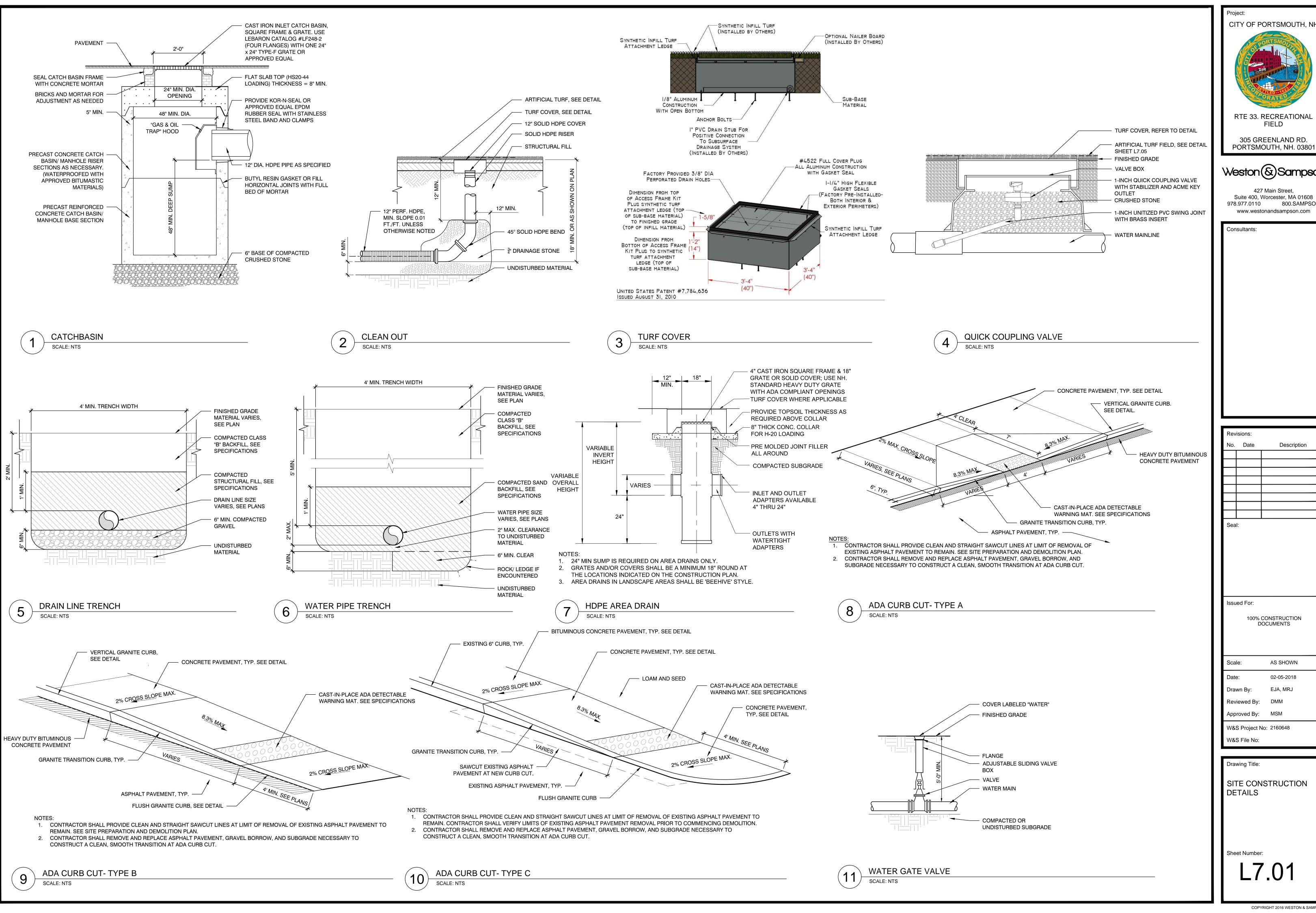
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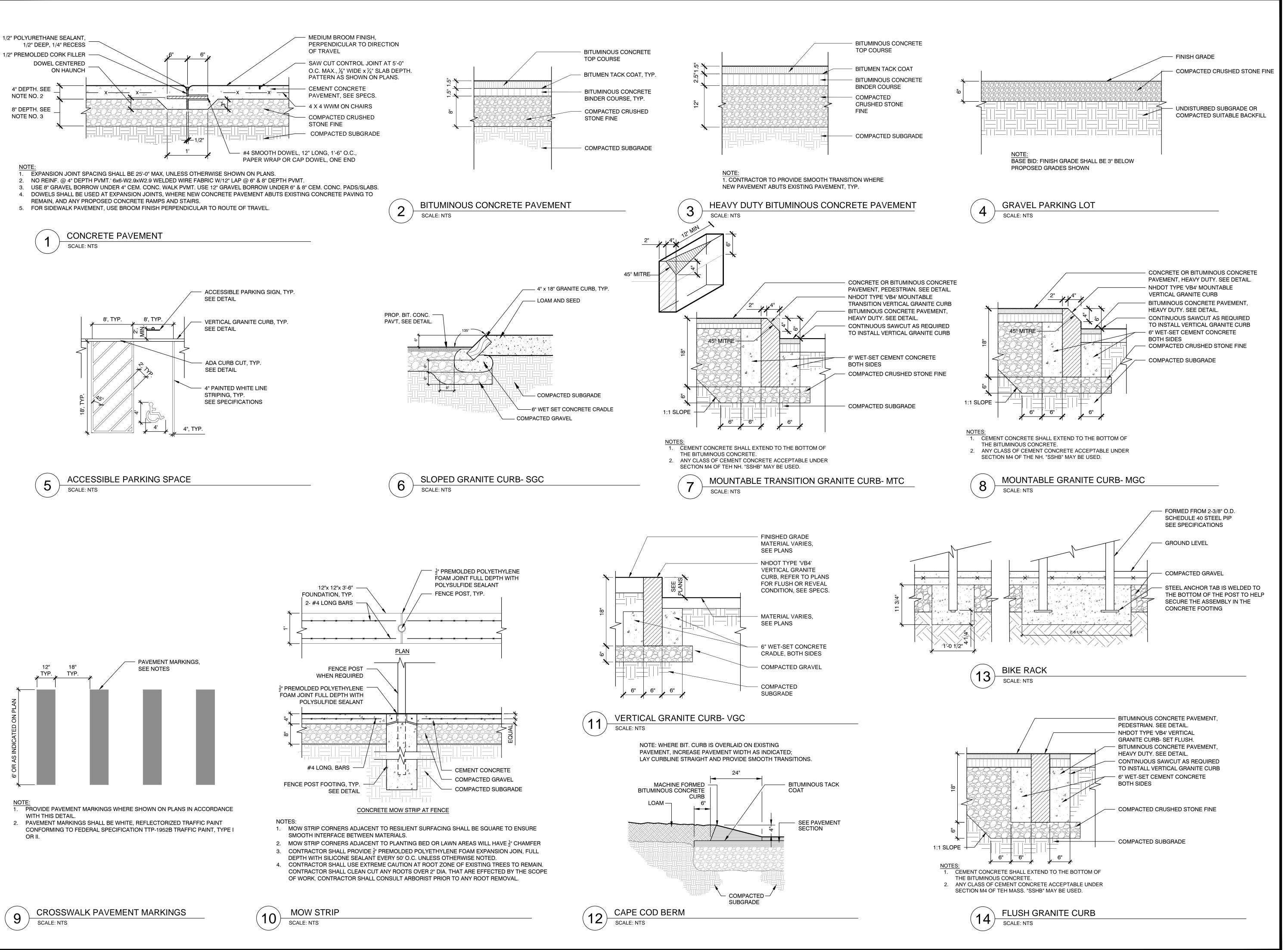
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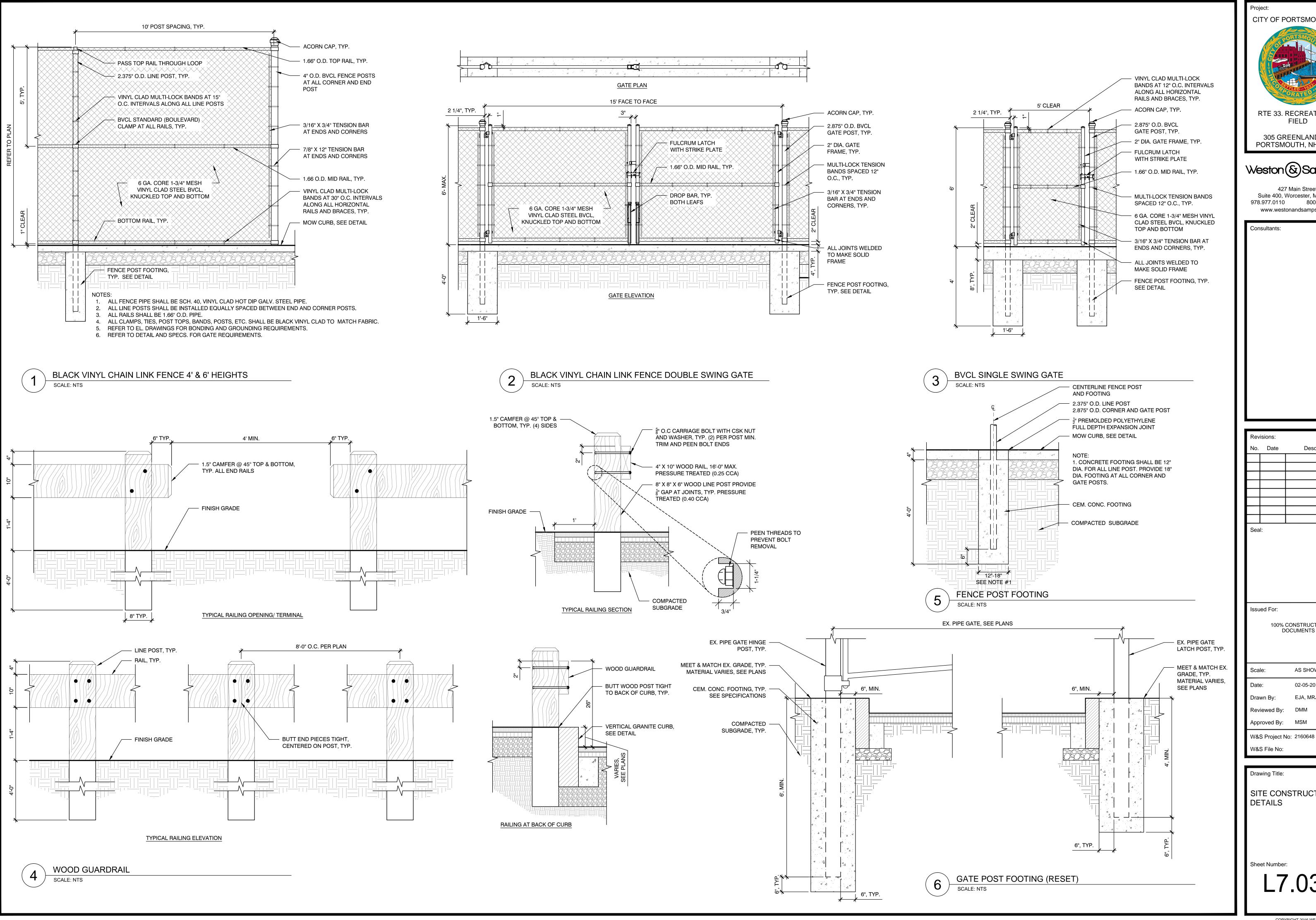
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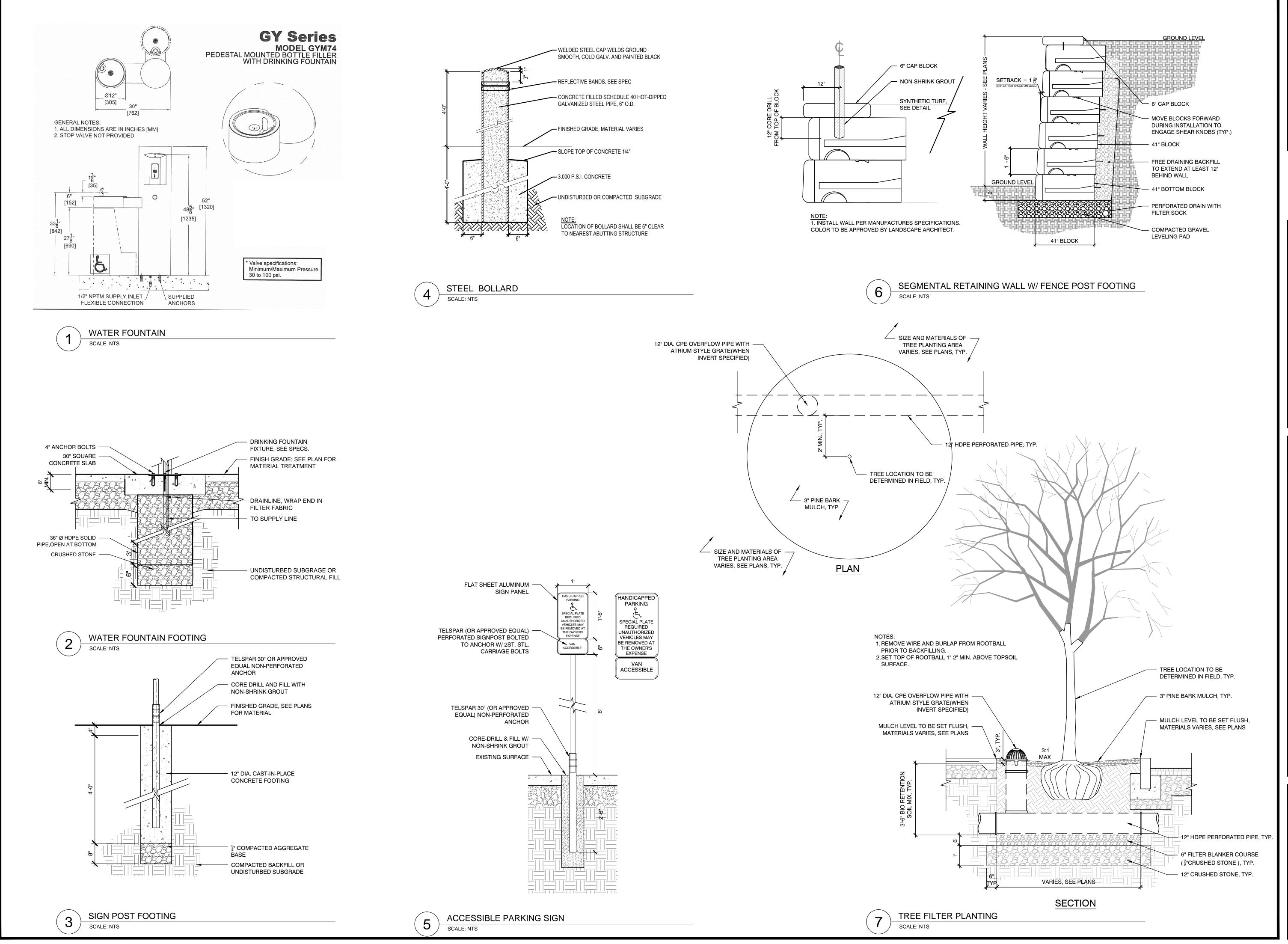
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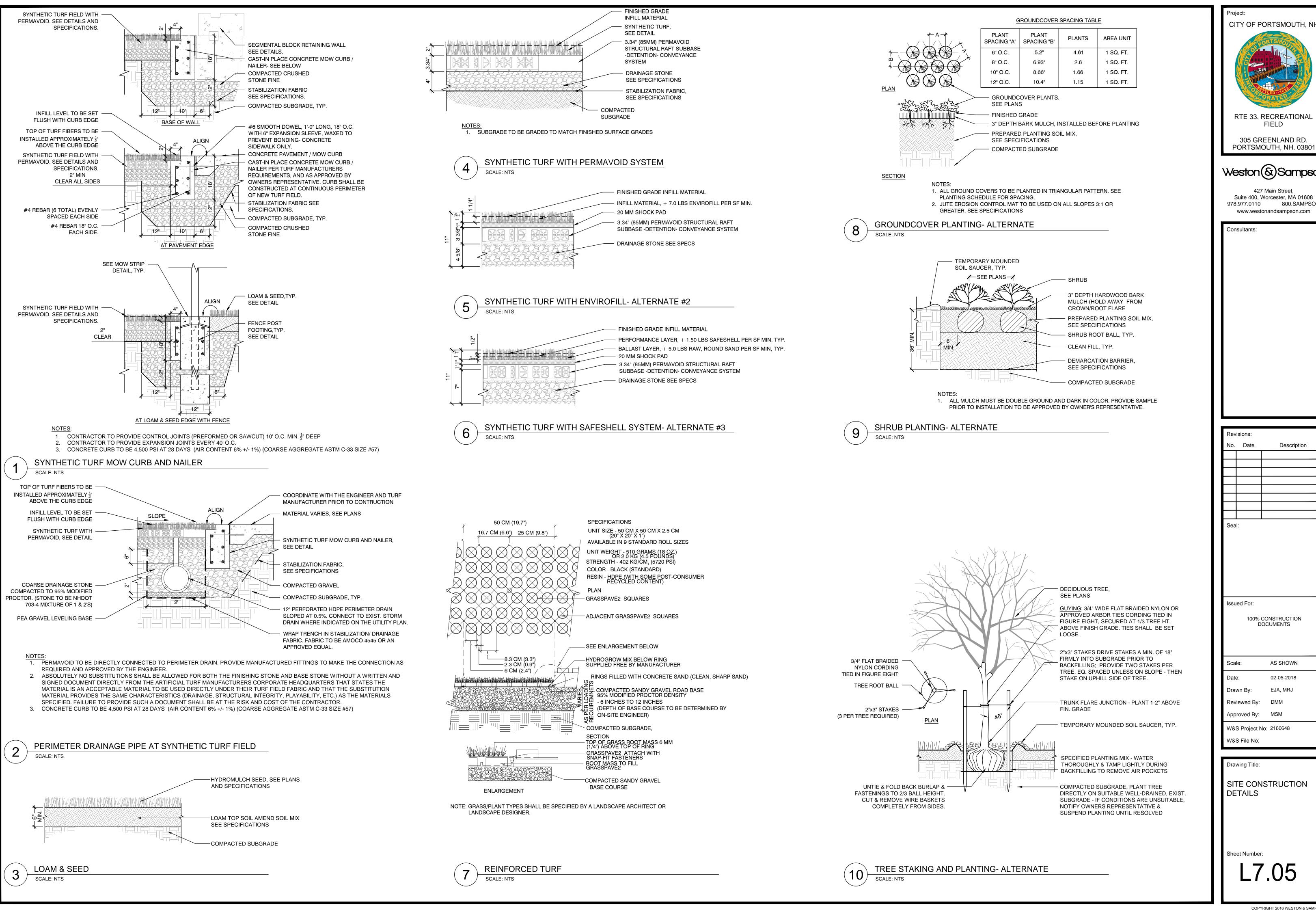
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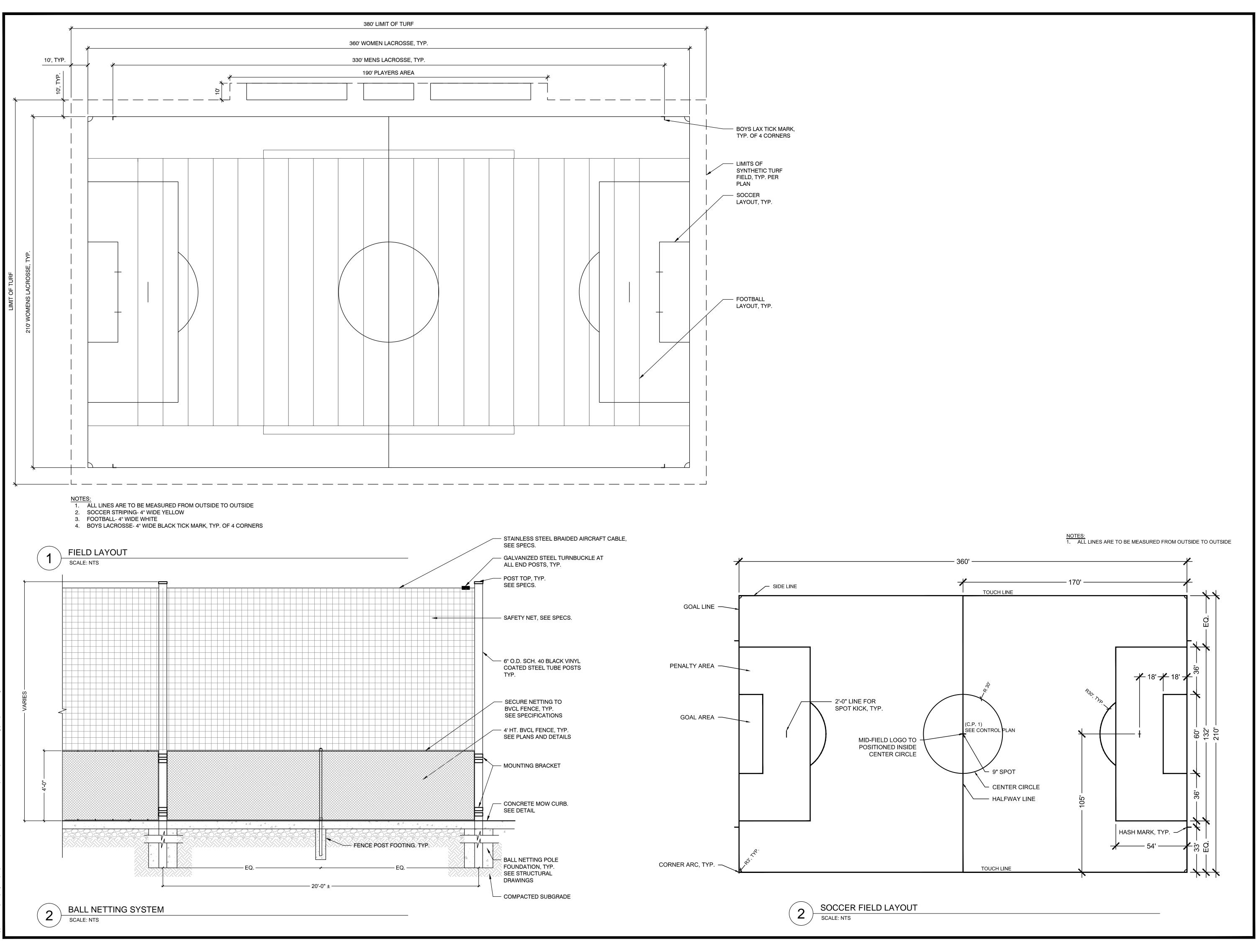
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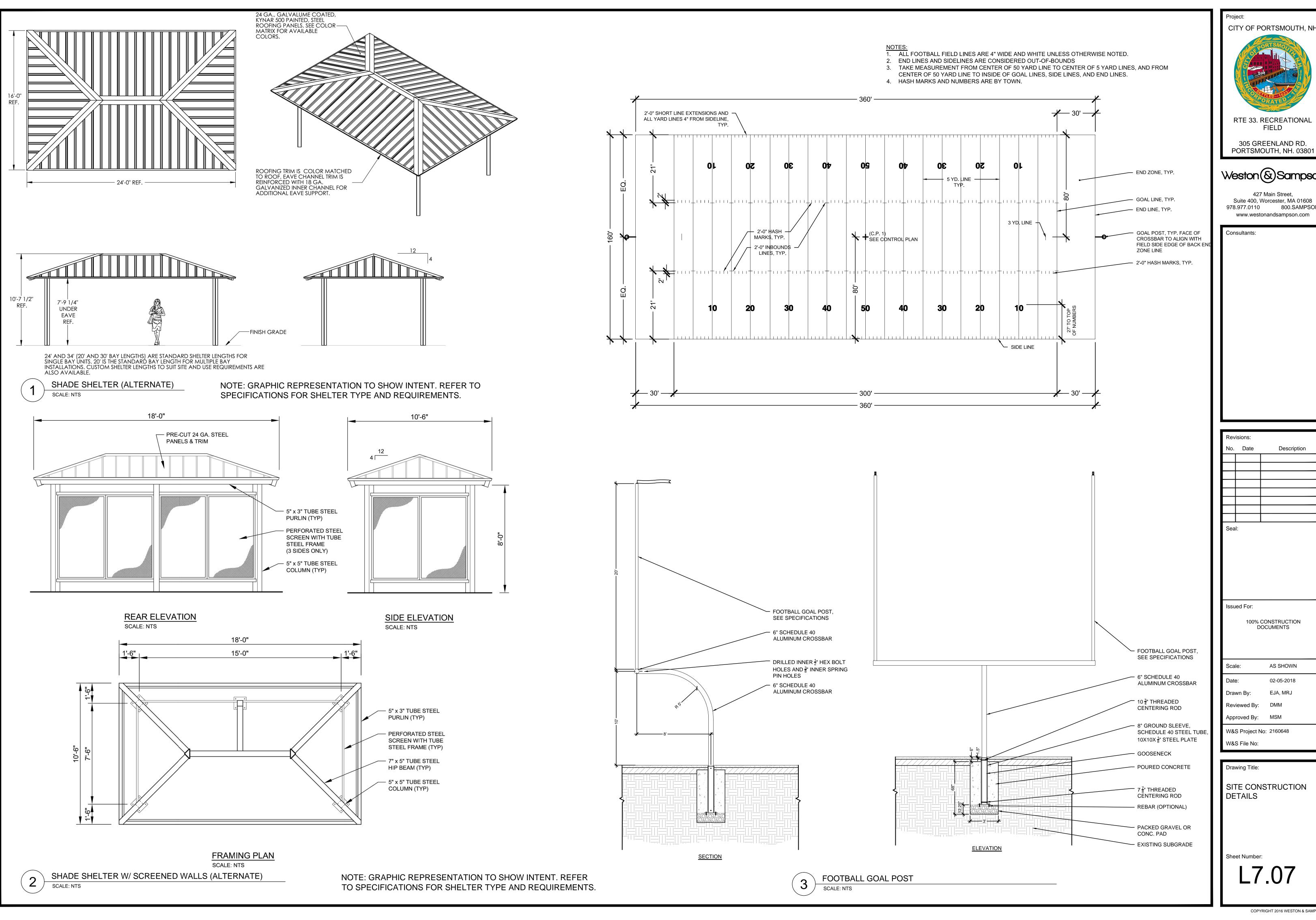
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GENERAL ELECTRICAL NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY. THE <u>EXACT LOCATION</u>, MOUNTING HEIGHTS, SIZE OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED AND DETERMINED IN THE FIELD.
- 2. WORK SHALL CONFORM TO THE NEW HAMPSHIRE ELECTRICAL CODE AND NEW HAMPSHIRE BUILDING CODE AND REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION.
- 3. THE WORD "CONTRACTOR" AS USED IN THE "ELECTRICAL WORK" SHALL MEAN THE ELECTRICAL SUBCONTRACTOR.
- 4. CONTRACTOR SHALL PAY FOR ALL PERMITS, INSURANCE AND TESTS, AND SHALL PROVIDE LABOR AND MATERIAL TO COMPLETE THE ELECTRICAL WORK SHOWN.
- 5. CONTRACTOR SHALL PAY ELECTRIC UTILITY COMPANY BACKCHARGES AND PROVIDE COORDINATION WITH SAME.
- 6. EXCEPT AS OTHERWISE NOTED, THE ELECTRICAL WORK SHALL INCLUDE PANELBOARDS, CIRCUIT BREAKERS, FEEDERS, WIRING, RACEWAYS, LIGHTING FIXTURES, DEVICES, SAFETY SWITCHES, MOUNTING AND WIRING, TRANSFORMERS AND CONNECTIONS NECESSARY TO OPERATE ALL EQUIPMENT.
- 7. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY LIGHTING AND POWER AND PAY ALL ENERGY CHARGES.
- 8. DURING CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK NEAT, CLEAN AND ORDERLY.
- 9. ALL SYSTEMS SHALL BE TESTED FOR SHORT CIRCUIT AND GROUNDS PRIOR TO ENERGIZING AND ANY DEFECTS SHALL BE CORRECTED.
- 10. ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE INCLUDED AS PART OF THIS SECTION.
- 11. COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR ELECTRICAL EQUIPMENT. WHERE SPECIFIED, ELECTRICAL EQUIPMENT IS SUBSTITUTED. THE ELECTRICAL CONTRACTOR SHALL SUBMIT COMPLETE SPECIFICATIONS ON THE SUBSTITUTE AS WELL AS THE ITEM ORIGINALLY SPECIFIED.
- 12. MATERIALS SHALL BE SPECIFICATION GRADE AND UL LISTED.
- 13. WHERE MATERIAL IS CALLED OUT IN THE LEGEND BY MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OR DESIRED QUALITY. ACCEPTANCE OR REJECTIONS OF PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- 14. WORK SHALL BE COORDINATED WITH THAT OF OTHER TRADES TO ELIMINATE INTERFERENCES.
- 15. ELECTRICAL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF WHICH SYSTEM IS PUT INTO SERVICE UNLESS OTHERWISE SPECIFIED.
- 16. WORK SHALL BE GROUNDED IN ACCORDANCE WITH CODE REQUIREMENTS. COMPLETE EQUIPMENT
- 17. WIRE SHALL BE TYPE "THHN/THWN" INSULATED FOR 600 VOLTS, MINIMUM SIZE #12 AWG COPPER UNLESS SPECIFICALLY NOTED OTHERWISE.
- 18. WIRING METHODS:
 - A. EXTERIOR BELOW GRADE DIRECT BURIED WIRING SHALL BE IN SCHEDULE 80 PVC.
 - B. EXTERIOR BELOW GRADE CONCRETE ENCASED WIRING SHALL BE IN SCHEDULE 40 PVC
 - C. EXTERIOR ABOVE GROUND WIRING SHALL BE IN RIGID STEEL CONDUIT
 - D. INTERIOR WIRING SHALL BE IN RIGID STEEL CONDUIT.

(INSULATED GREEN WIRE) GROUNDING SYSTEM SHALL BE INSTALLED.

- 19. PANELBOARDS SHALL BE DEAD FRONT, THERMAL MAGNETIC BOLT-ON CIRCUIT BREAKER TYPE, DESIGNED FOR SURFACE MOUNTING AS INDICATED ON PLAN, AND HAVING CONNECTIONS TO 480/277 VOLT, 3-PHASE, 4-WIRE AND 120/208 VOLT, 3 PHASE, 4 WIRE SERVICE. ALL BUS BARS SHALL BE COPPER. CABINETS SHALL BE MADE OF CODE GAUGE GALVANIZED SHEET STEEL, WITH A MINIMUM OF 4 INCH GUTTERS, DOOR IN DOOR CONSTRUCTION, LOCKED DOOR, AND FLUSH HINGES. TYPEWRITTEN INDEX SHALL BE MOUNTED ON DOOR INSIDE TRANSPARENT COVER INDICATING LOAD SERVED. PANELS SHALL INCLUDE SEPARATE EQUIPMENT GROUND BUS.
- 20. CONDUIT RUNS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC ONLY; EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD.
- 21. CONTRACTOR SHALL CHECK EXISTING CONDITIONS TO DETERMINE EXACT EXTENT OF WORK TO BE PERFORMED PRIOR TO BIDDING. DIMENSIONS RELEVANT TO EXISTING WORK SHALL BE VERIFIED IN

WEATHERPROOF

22. PROVIDE AS-BUILT "CADD" DRAWINGS AT THE COMPLETION OF THE PROJECT.

ABBREVIATIONS

Α	AMPERE	NTS	NOT TO SCALE
AF	AMPERE FRAME	PNL	PANELBOARD
AC	ALTERNATING CURRENT	PH	PHASE
AT	AMPERE TRIP	FL	FLOOR
ATS	AUTOMATIC TRANSFER SWITCH	FLA	FULL LOAD AMPERE
BKR	BREAKER	GC	GENERAL CONTRACTOR
С	CONDUIT	GFI	GROUND FAULT INTERRUPTER
CKT	CIRCUIT	GND	GROUND
СВ	CIRCUIT BREAKER	IG	ISOLATED GROUND
EC	ELECTRICAL CONTRACTOR	JB	JUNCTION BOX
EMT	ELECTRIC METALLIC TUBING		
KW	KILOWATT	KVA	KILOVOLT AMPERES
MCB	MAIN CIRCUIT BREAKER	PVC	POLYVINYL CHLORIDE CONDUIT
MLO	MAIN LUGS ONLY	RSC	RIGID GALVANIZED STEEL CONDUIT
MC	MECHANICAL CONTRACTOR	XFMR	TRANSFORMER
MTD	MOUNTED	V	
MTG	MOUNTING	•	VOLTS
NMC	NON-METALLIC CONDUIT	W	WATTS OR WIRE

NON-METALLIC CONDUIT

NOT APPLICABLE

NOT IN CONTRACT

ELECTRICAL SYMBOL LIST

RECEPTACLES

DUPLEX CONVENIENCE OUTLET RATED 20A, 125V, U-SLOT GROUNDED TYPE. ALL OTHER MOUNTING HEIGHTS SHALL BE AS NOTED ADJACENT TO THE SYMBOL. REFER TO RECEPTACLE ABBREVIATIONS FOR SPECIAL PURPOSE RECEPTACLES

DUPLEX RECEPTACLE WITH INTERGRAL GROUND FAULT INTERRUPTER

RACEWAY AND WIRING

-HOMERUN TO PANELBOARD, NUMBER OF SLASH MARKS INDICATES NUMBER OF #12
AWG CONDUCTORS IN MINIMUM 3/4" CONDUIT. NO SLASH MARKS INDICATE 2#12 & 1#12G,
3/4"C UNLESS NOTED OTHERWISE. -GREEN GROUND CONDUCTOR IS NOT INDICATED BUT
SHALL BE INCLUDED IN EACH RACEWAY. SIZE SHALL BE #12 UNLESS INDICATED
OTHERWISE. -HOMERUNS TO PANELBOARDS SHALL HAVE A MAXIMUM OF THREE PHASE
CONDUCTORS (ONE PER PHASE) PLUS NEUTRAL AND GROUND CONDUCTOR IN EACH

__ _ NEW UNDERGROUND ELECTRIC LINE

MISCELLANEOUS

CONDUIT.

JUNCTION BOX WITH BLANK COVERPLATE, SIZE AS REQUIRED BY N.E.C.

CONTACTOR

ELECTRIC UTILITY BILLING METER

GROUND - SYSTEM AND/OR EQUIPMENT

S_{TM} DIGITAL TIMER SWITCH

POWER DISTRIBUTION EQUIPMENT

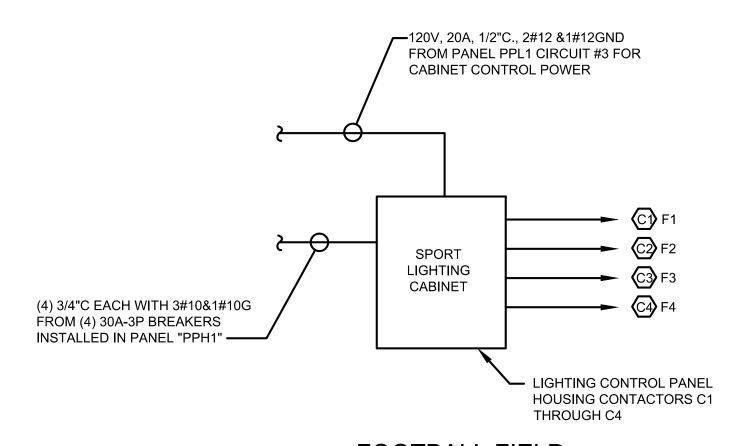
HH HAND HOLE

LIGHTING

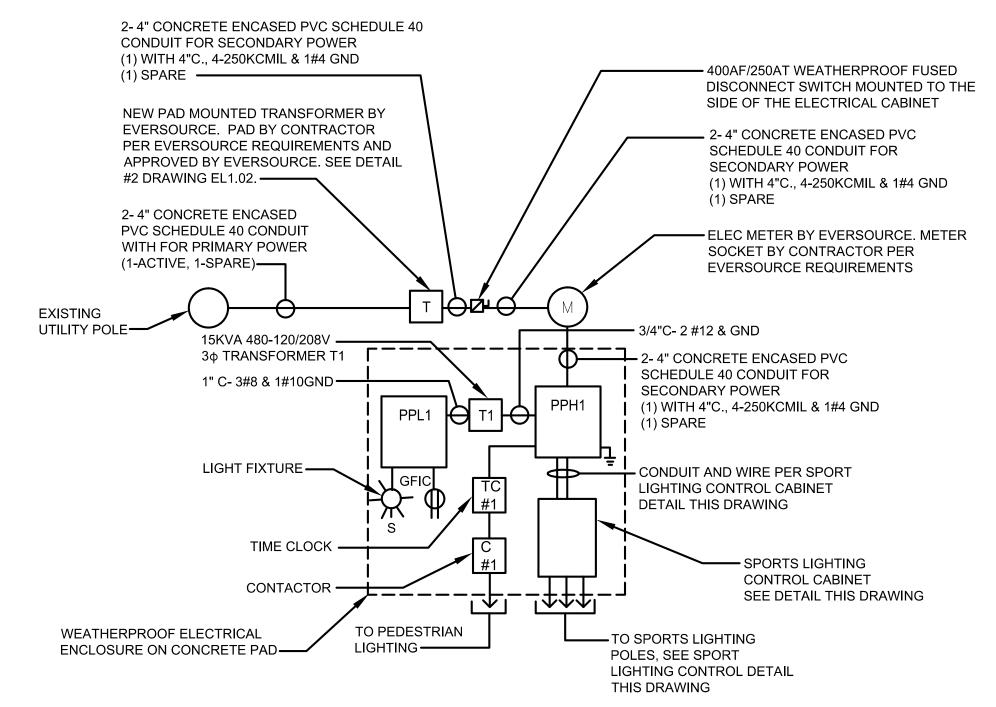
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SPORTS LIGHT POLE - 'F1' INDICATES POLE NUMBER
'C1' INDICATES CONTACTOR OR CONTRACTORS
CONTROLLING POLE MOUNTED FIXTURES

POLE MOUNTED LIGHT FIXTURE

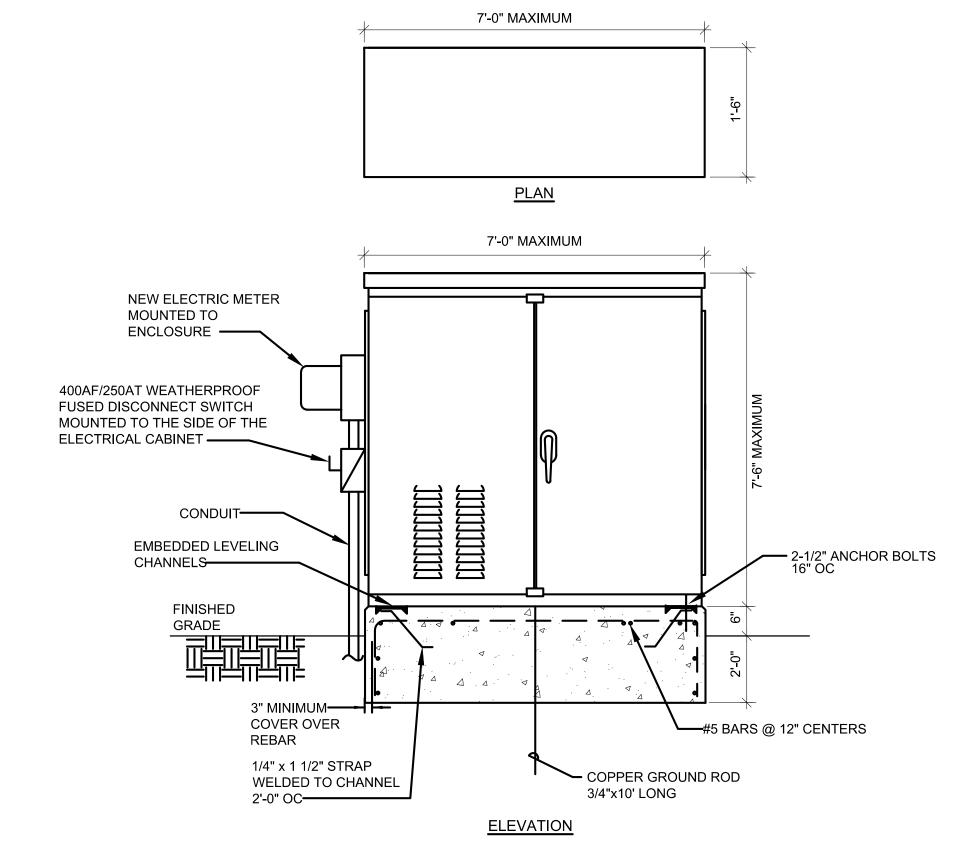


FOOTBALL FIELD
SPORTS LIGHTING CONTROL DIAGRAM
SCALE: N.T.S.



ONE LINE DIAGRAM

SCALE: N.T.S.



NOTES:

 FINAL CABINET SIZE SHALL BE DETERMINED BASED ON ACTUAL EQUIPMENT AND LAYOUT OF EQUIPMENT

PAD MOUTNED ELECTRICAL CABINET
SCALE: N.T.S.

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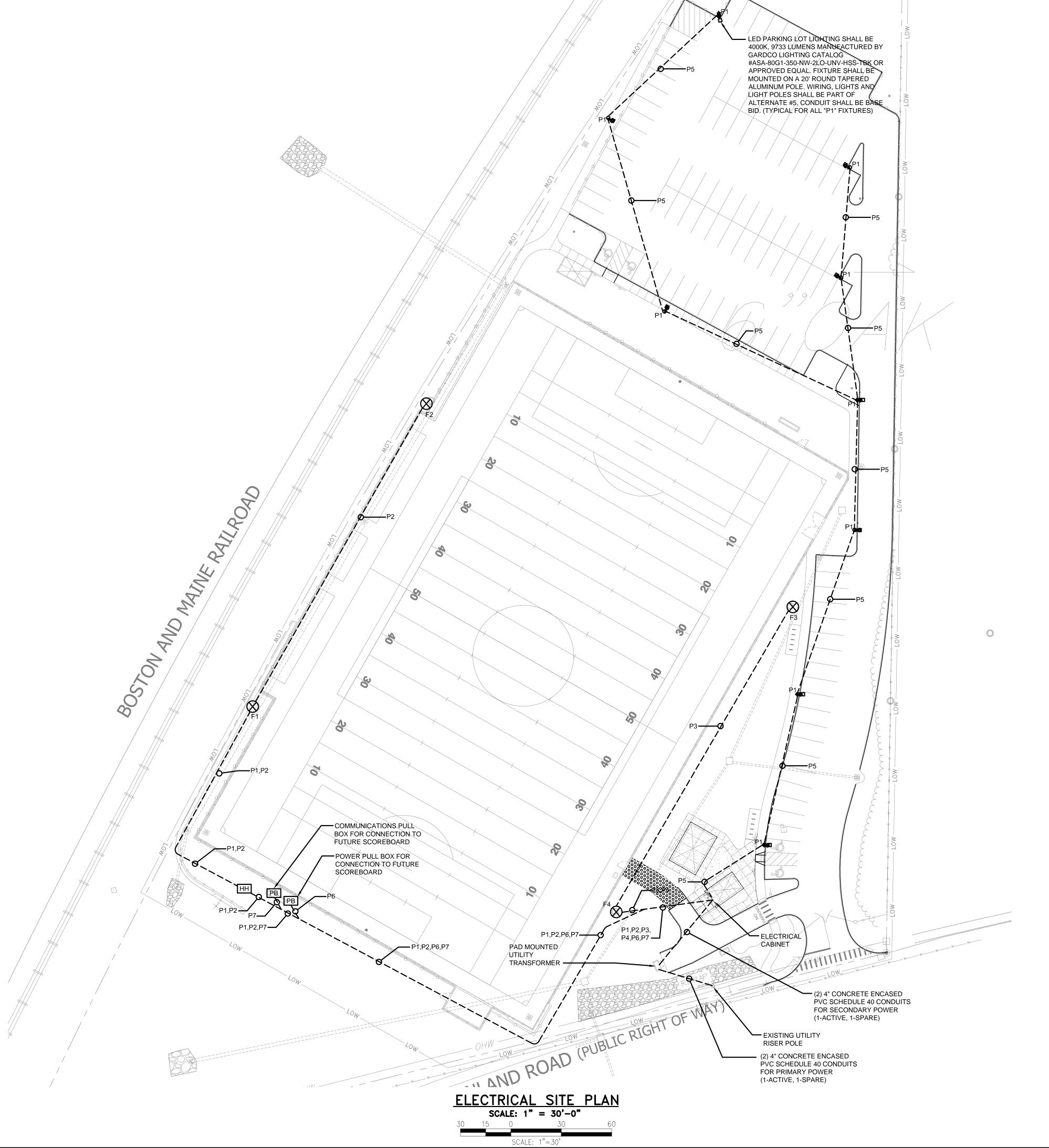
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ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES AND DETAILS

Sheet Number:

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		CONDUIT &	WIRING S	CHEDU	LE		
CONDUIT	FEEDER	FROM	то	FIXTURES	LOAD	VOLTAGE	REMARKS
P1	2"C., 3#4 & 1#8G	LIGHTING CONTROL PANEL CONTACTOR C1	FIXTURE F1	11 @ 1500W	29.6A	480V	DIRECT BURIED (SEE NOTE 2)
P2	2"C., 3#4 & 1#8G	LIGHTING CONTROL PANEL CONTACTOR C2	FIXTURE F2	11 @ 1500W	29.6A	480V	DIRECT BURIED (SEE NOTE 2)
P3	2"C., 3#4 & 1#8G	LIGHTING CONTROL PANEL CONTACTOR C3	FIXTURE F3	11 @ 1500W	29.6A	480V	DIRECT BURIED (SEE NOTE 2)
P4	2"C., 3#4 & 1#8G	LIGHTING CONTROL PANEL CONTACTOR C4	FIXTURE F4	11 @ 1500W	29.6A	480V	DIRECT BURIED (SEE NOTE 2)
P5	2"C., 2#8 & 1#8G	PANEL PPH1 VIA TIMECLOCK	PARKING LOT LIGHTING	-	-	277V	DIRECT BURIED
P6	2"C., WITH NYLON PULL STRING	ELECTRICAL CABINET	FUTURE SCOREBOARD POWER	-	-	-	DIRECT BURIED
P7	2"C., WITH NYLON PULL STRING	ELECTRICAL CABINET	FUTURE SCOREBOARD COMMUNICATIONS	-	-	-	DIRECT BURIED

	PANE	LBOA	\RD	SCH	HEDUI	LE	
	NELBOARD NO.: PPL1 CATION: ELECTRICAL ENCLOSURE				SERVICE:	120/208V, 3Ø,4W, 50 MCB	
	UNTING: SURFACE	_AIC: 10,0	00			. OF POLES: 12	_
CKT.	DESCRIPTION OF LOAD	CIRCUIT BREAKERS			DESCRIPTION OF LOAD		
1	ENCLOSURE RECEPTACLE	TRIP 20	POL 1	.ES	TRIP 20	ENCLOSURE LIGHT	No.
3	SPORTS LIGHTING CONTROL	20	1	1	20	SPARE	4
5	SPARE	20	1	1	20	SPARE	6
7	SPARE	20	1	1	20	SPARE	8
9	SPACE					SPACE	10
11	SPACE -					SPACE -	12
	-				1 1	-	

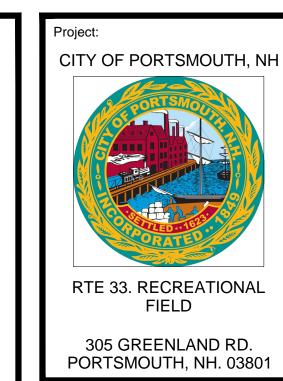
^{*} PROVIDE PANELBOARD WITH A GROUND BUS

	I /\I\L		1110	301	HEDUL			
PA	NELBOARD NO.: PPH1		SERVI		SERVIO	CE:277/480V, 3Ø, 4W, 250A MC	СВ	
LO	CATION: ELECTRICAL ENCLOSURE	 E	ENTRAI RATE		BUS BA	ARS: 250A		
МС	DUNTING: SURFACE		AIC: 22,000			TOTAL NO. OF POLES: 30		
CKT.	DESCRIPTION OF LOAD		CIRCUIT I	BREAKER	RS		CKT.	
No.	DESCRIPTION OF LOAD	TRIP	POL	.ES	TRIP	DESCRIPTION OF LOAD	No.	
1	-	-	-	-	- 1	-	2	
3	SPORT LIGHTING F1/C1	30	3	3	30	SPORT LIGHTING F2/C2	4	
5	-	-	-	-	-	-	6	
7	-	-	-	-	-	-	8	
9	SPORT LIGHTING F3/C3	30	3	3	30	SPORT LIGHTING F4/C4	10	
11	-	-	-	-	-	-	12	
13	-	-	-	20	1	PARKING LOT LIGHTING	14	
15	TRANSFORMER T1	30	3	1	20	SPARE	16	
17	-	-	-	1	20	SPARE	18	
19	SPARE	20	1	1	20	SPARE	20	
21	SPARE	20	1	1	20	SPARE	22	
23	SPARE	20	1	1	20	SPARE	24	
25	SPARE	20	1	1	20	SPARE	26	
27	SPARE	20	1	1	20	SPARE	28	
29	SPARE	20	1	1	20	SPARE	30	

* PROVIDE PANELBOARD WITH A GROUND BUS

DRAWING NOTES:

- 1. REFER TO DRAWING EL1.00 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- 2. ALL WIRING TO THE MUSCO SPORTS LIGHTS SHALL BE PART OF ALTERNATE #1.



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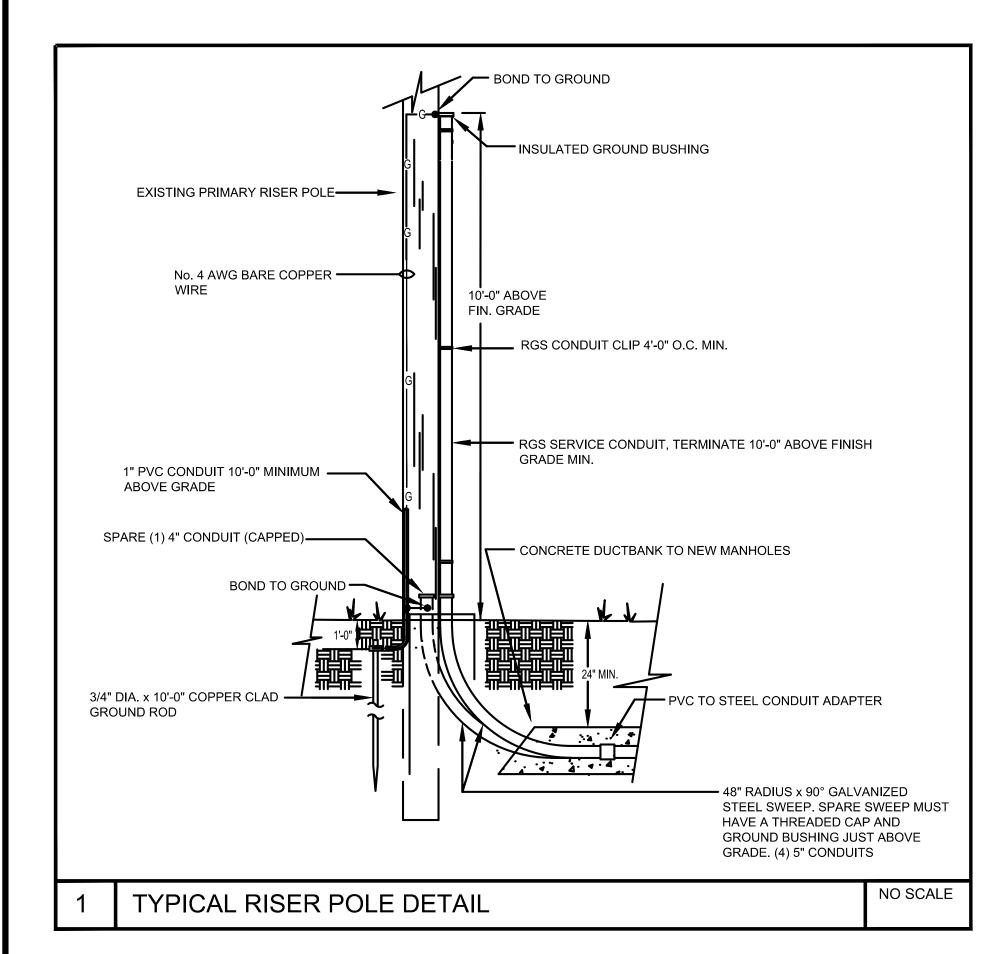
Consultants:

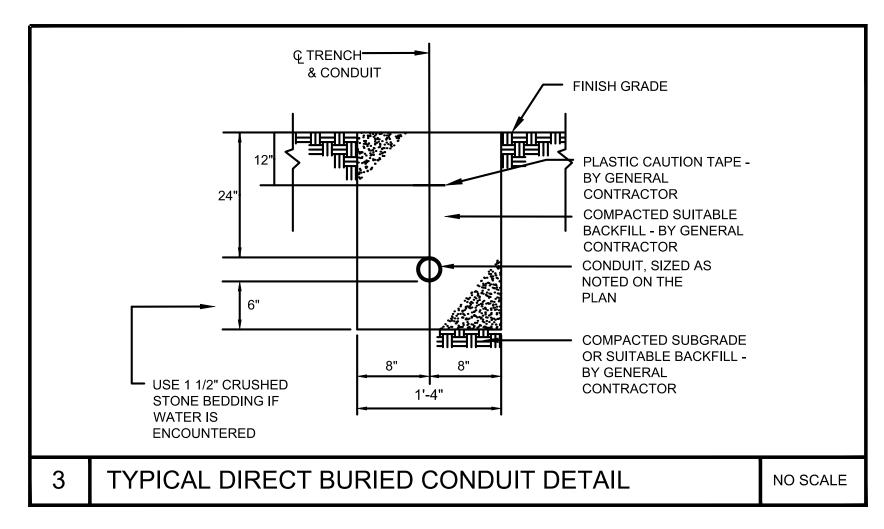
Revi	sions:		
No.	Date	Description	
Seal	:		
Issue			
100% CONSTRUCTION			
		OCUMENTS	
Scal	e:	AS SHOWN	
Date	:	02-05-2018	
Drav	vn By:	EJA, MRJ	
Revi	ewed By:	DMM	
	oved By:	MSM	
W&S	Project N	lo: 2160648	

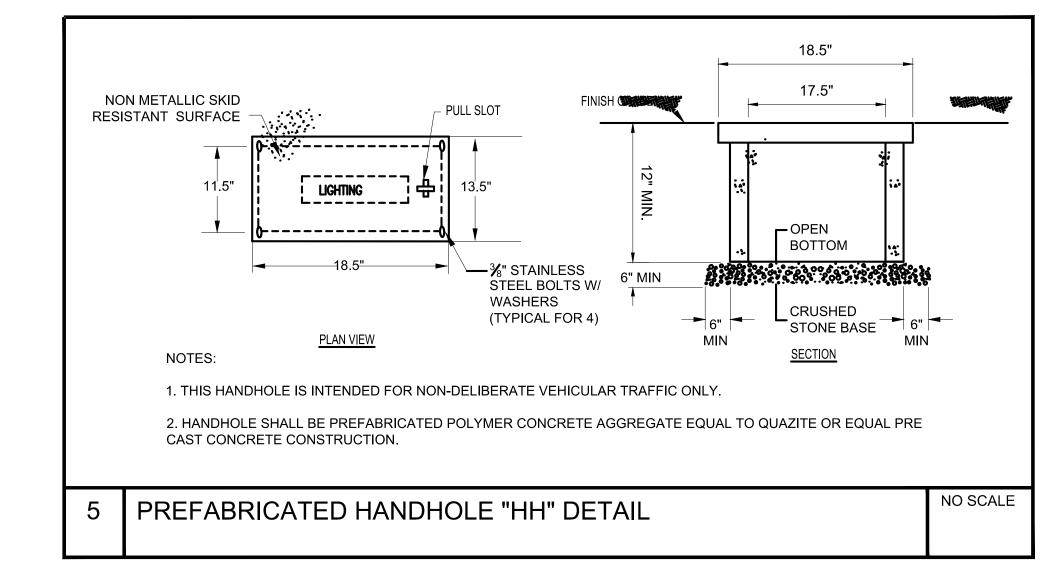
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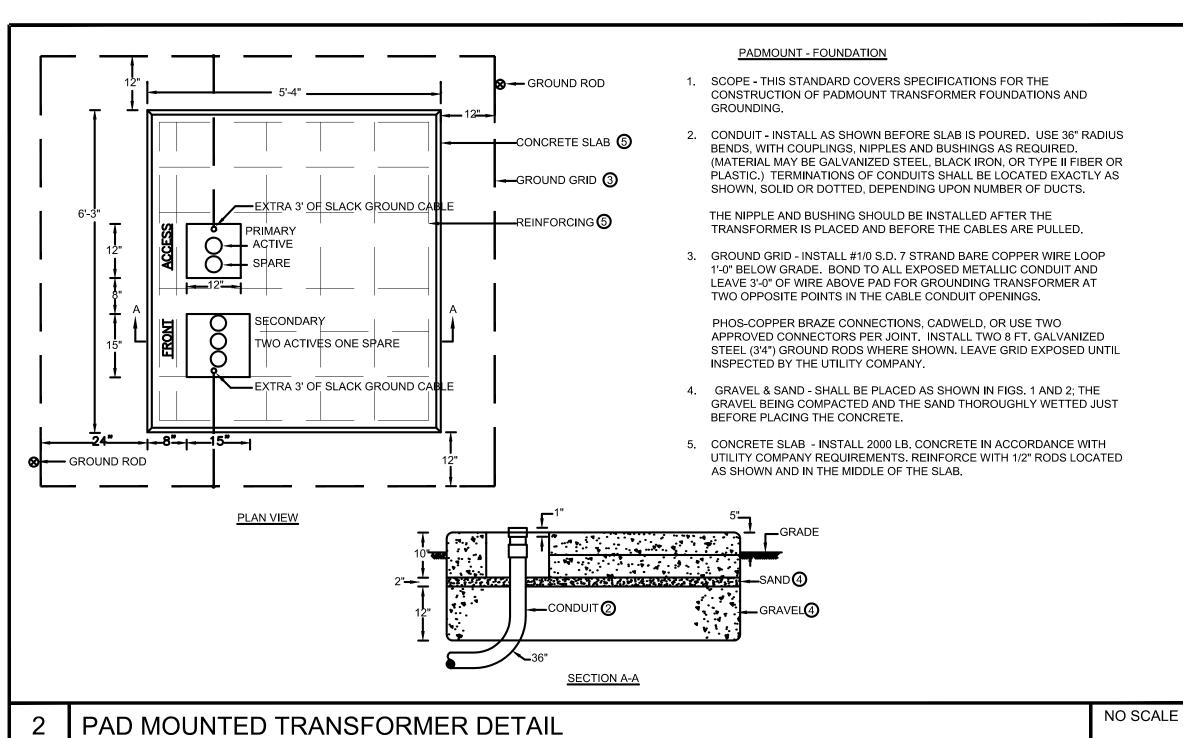
ELECTRICAL SITE PLAN

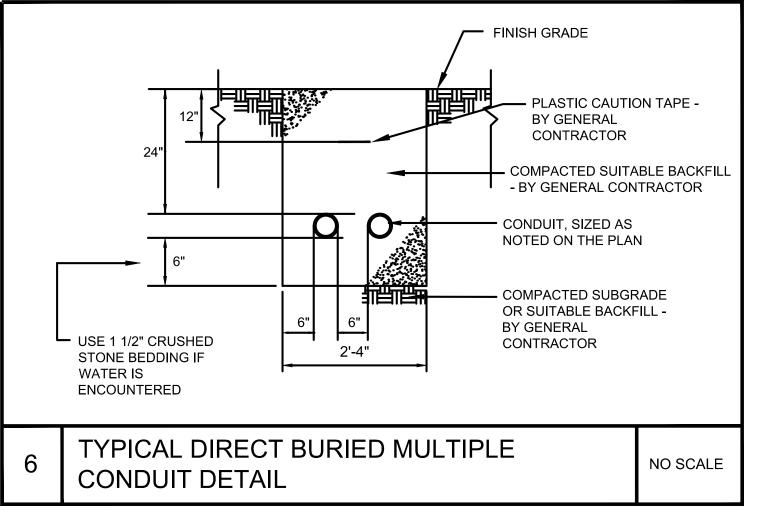
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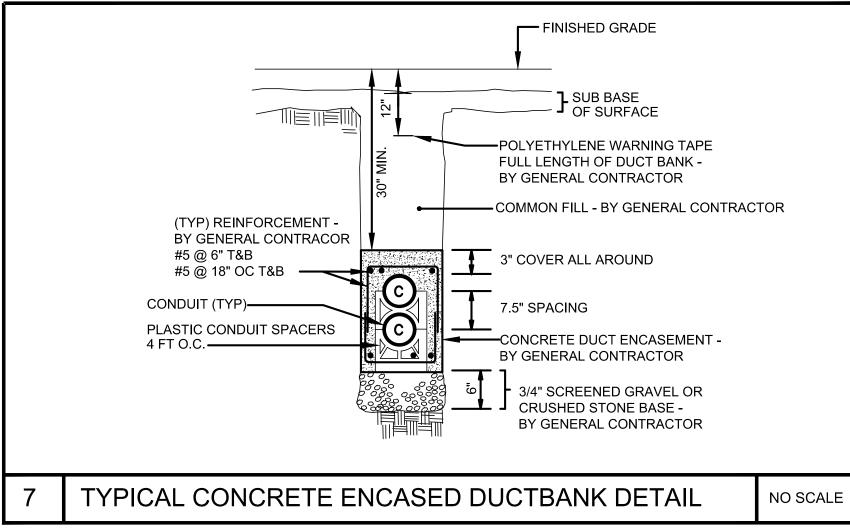


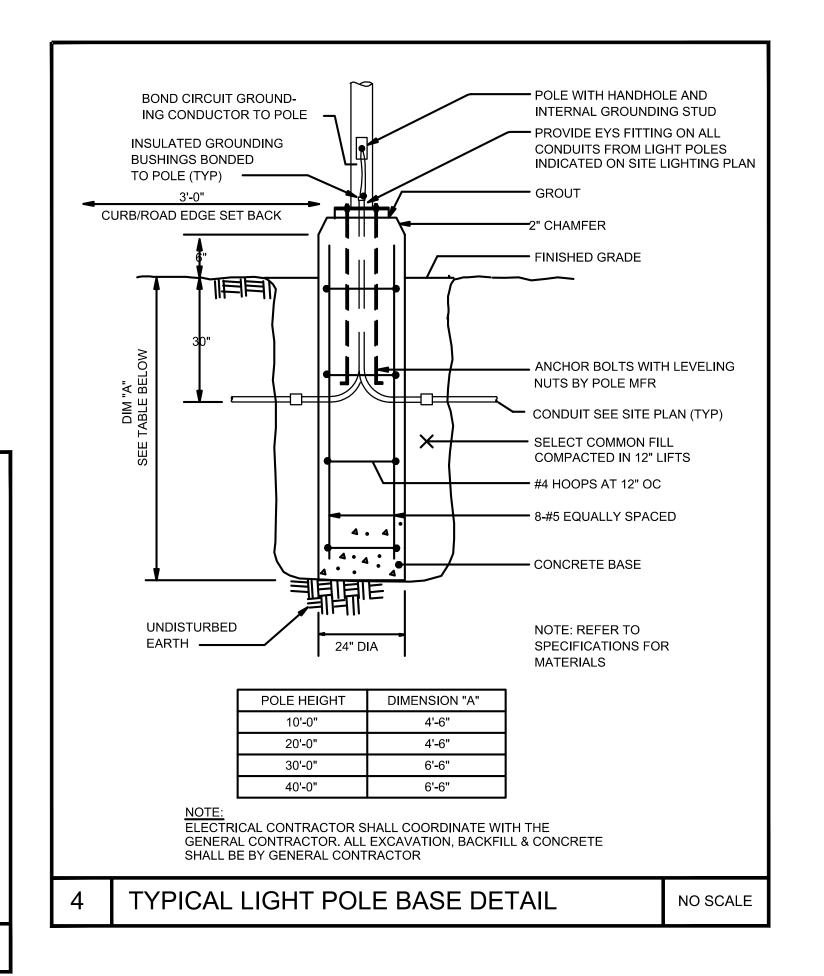


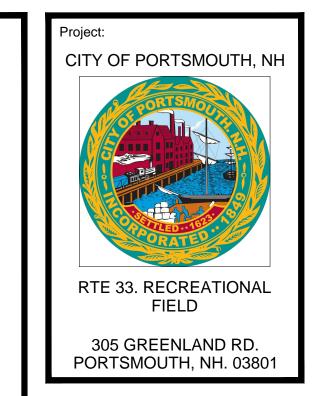






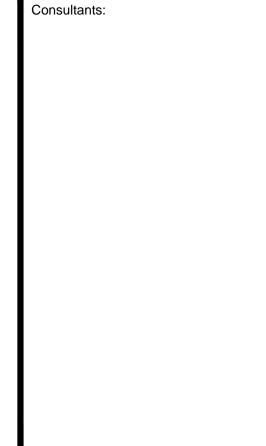


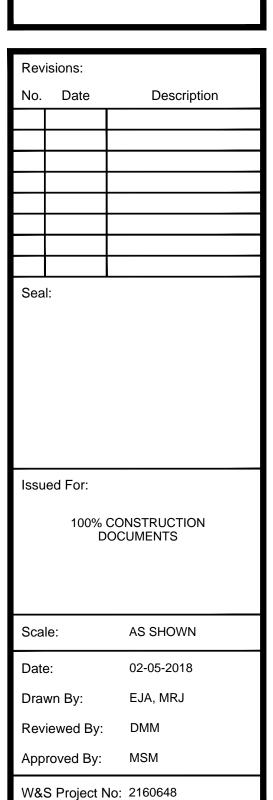




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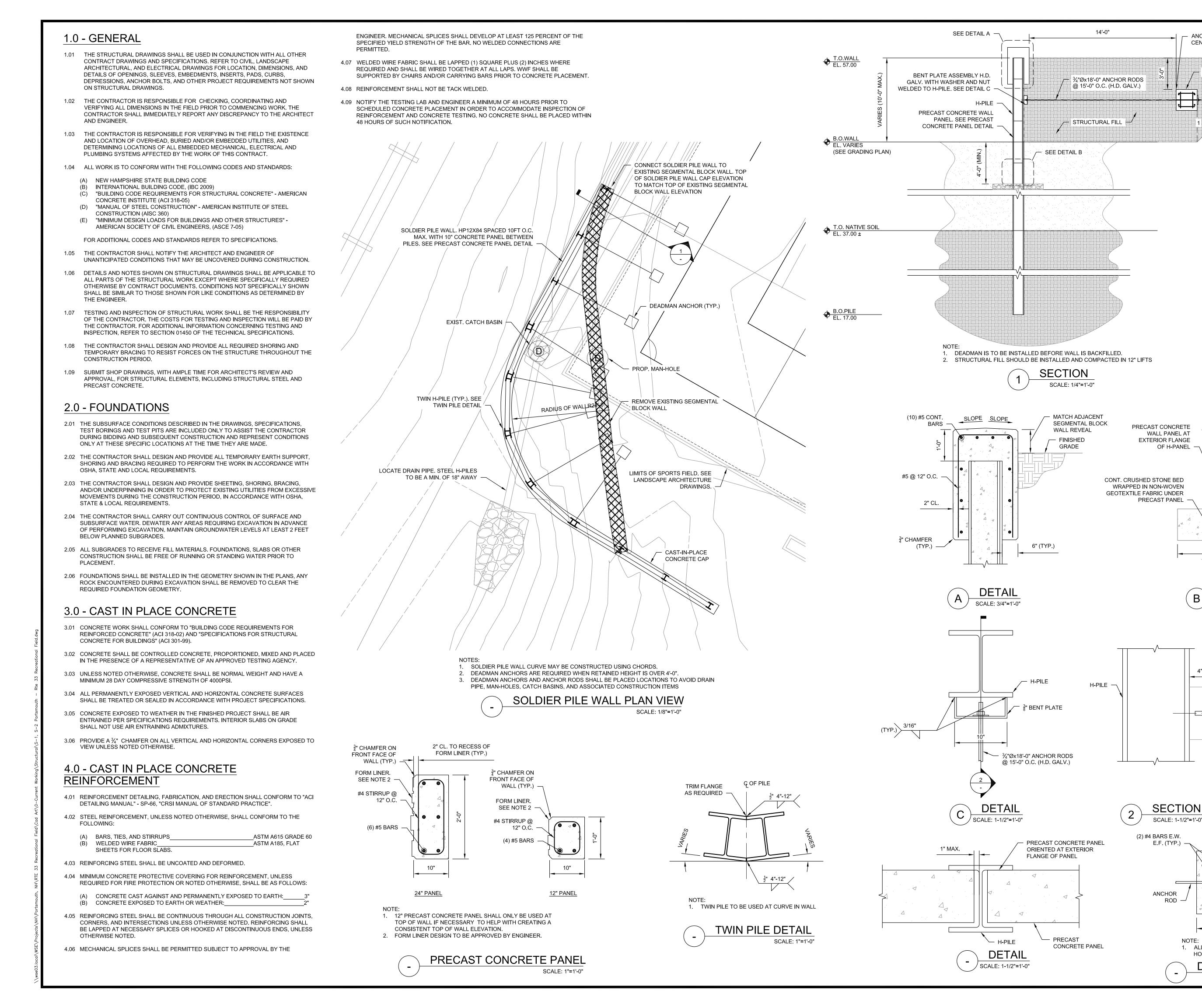


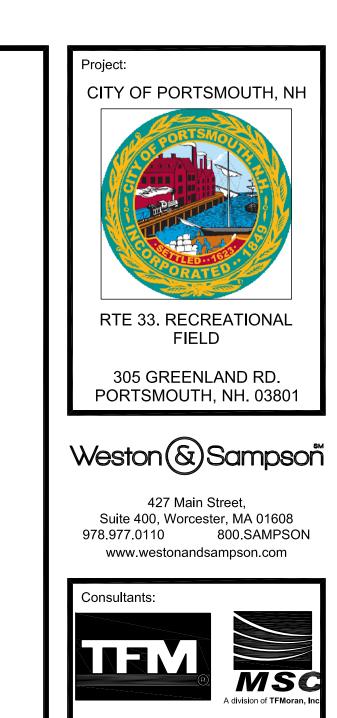
ELECTRICAL DETAILS
AND SCHEDULES

W&S File No:

Sheet Number:

EL1.02





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- ANCHOR ROD AND PIN TO BE

CENTERED ON DEADMAN (TYP.)

2'X2'X2' CONC. DEADMAN ANCHOR (TYP.)

≝ WASHER AND NUT H.D.

— H-PILE (BEYOND)

 $\frac{3}{4}$ "Øx18'-0" ANCHOR RODS

WASHER AND

NUT (TYP.)

2'-0"

HOT-DIPPED GALVANIZED.

ALL STEEL AND HARDWARE SHALL BE

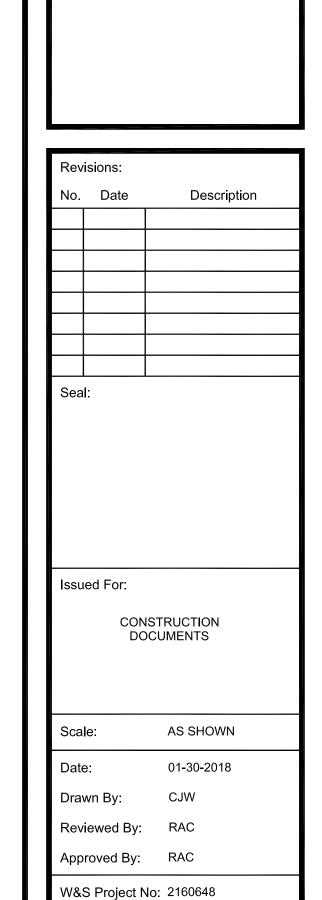
DEADMAN DETAIL

SCALE: 3/4"=1'-0"

@ 15'-0" O.C. (H.D. GALV.)

(TYP.)

GALV. (TYP.)

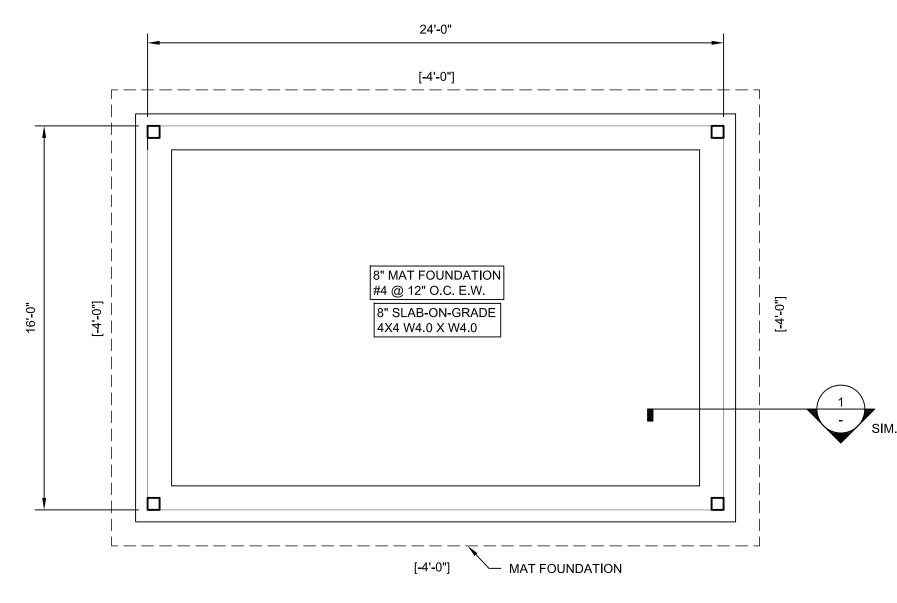


GENERAL NOTES AND SOLDIER PILE WALL DETAILS

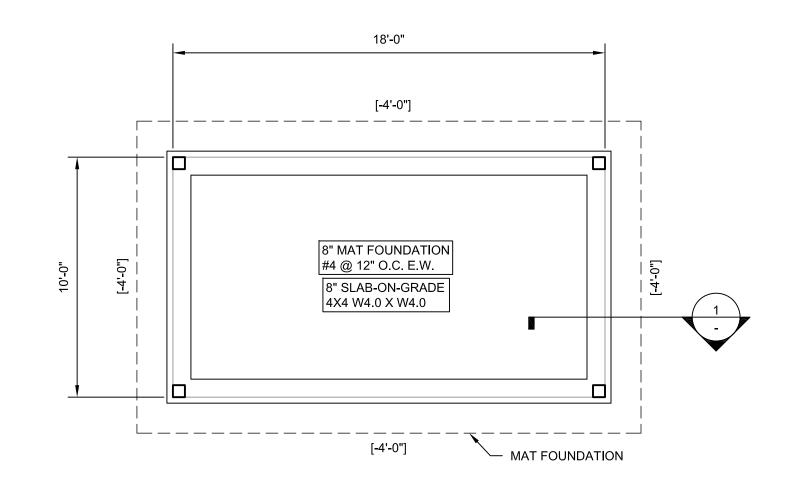
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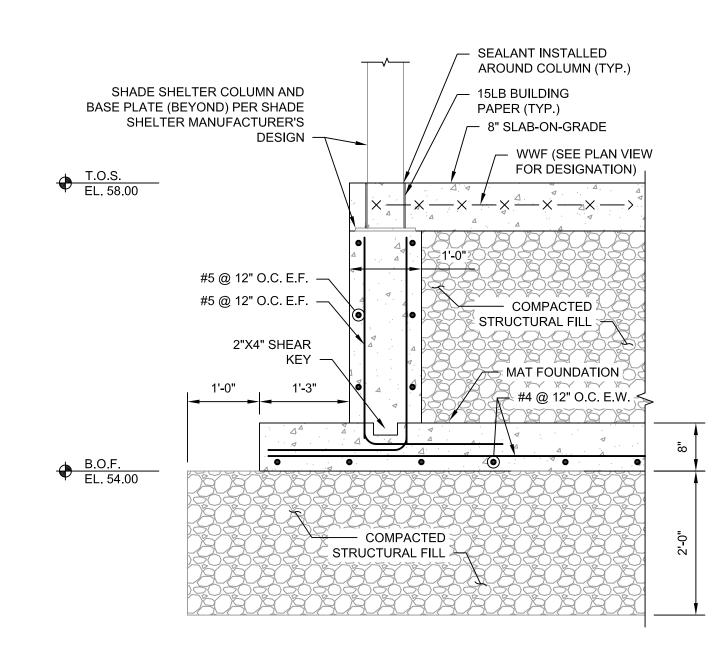
S0.01

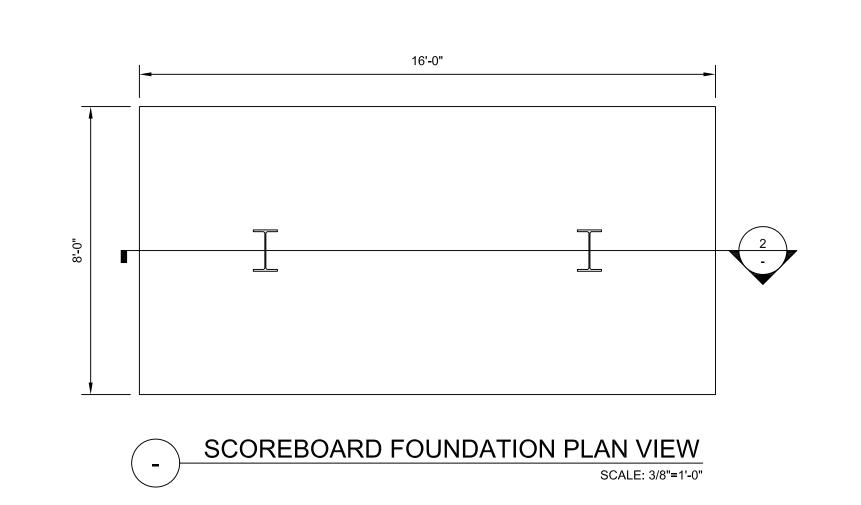


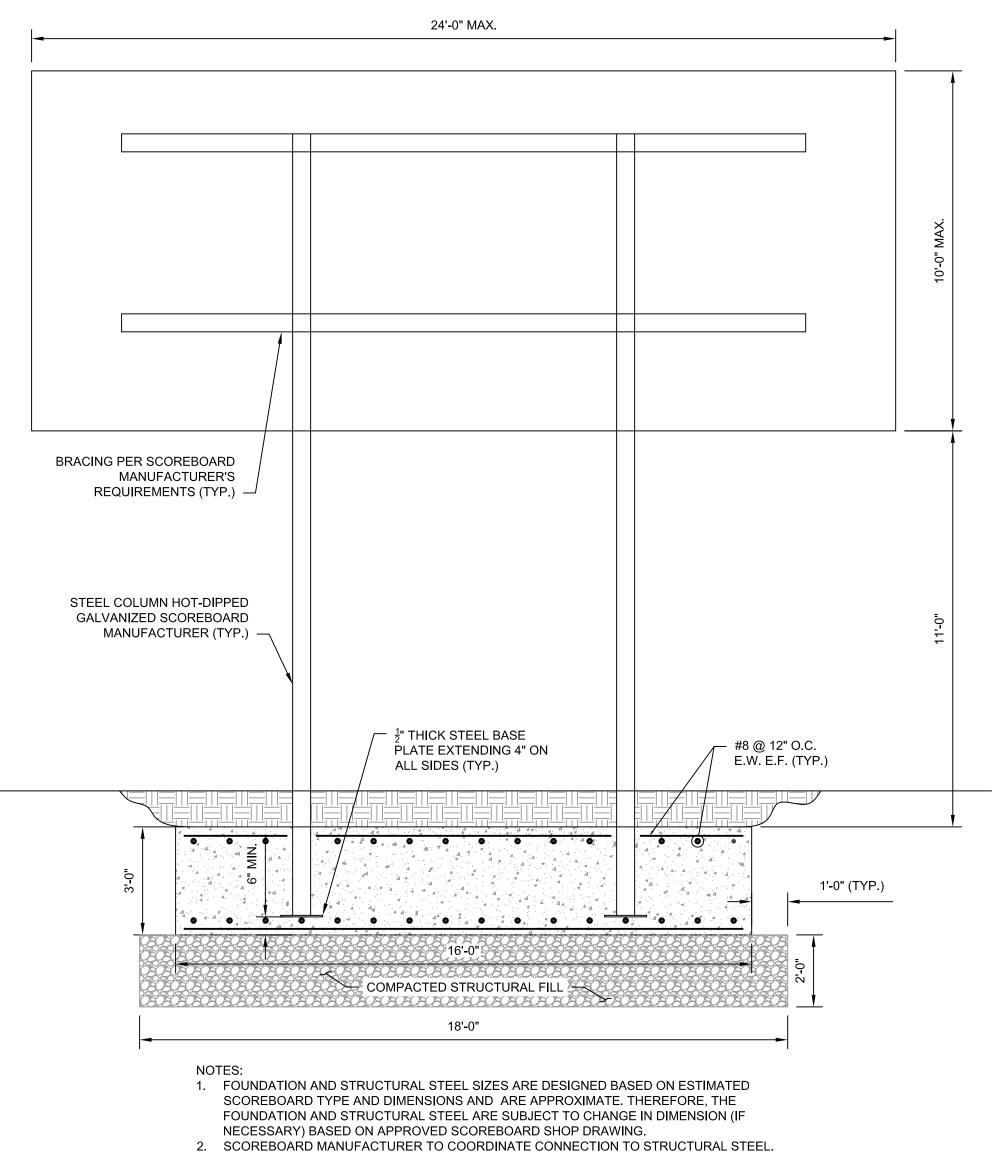
SHADE SHELTER 2 FOUNDATION PLAN VIEW SCALE: 1/4"=1'-0"



SHADE SHELTER 1 FOUNDATION PLAN VIEW SCALE: 1/4"=1'-0"

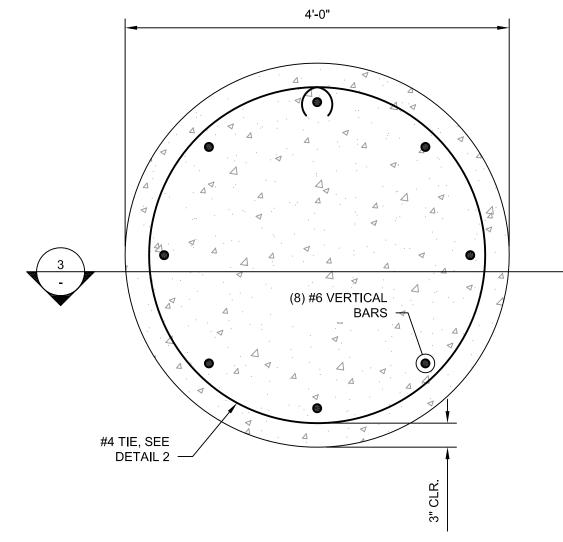




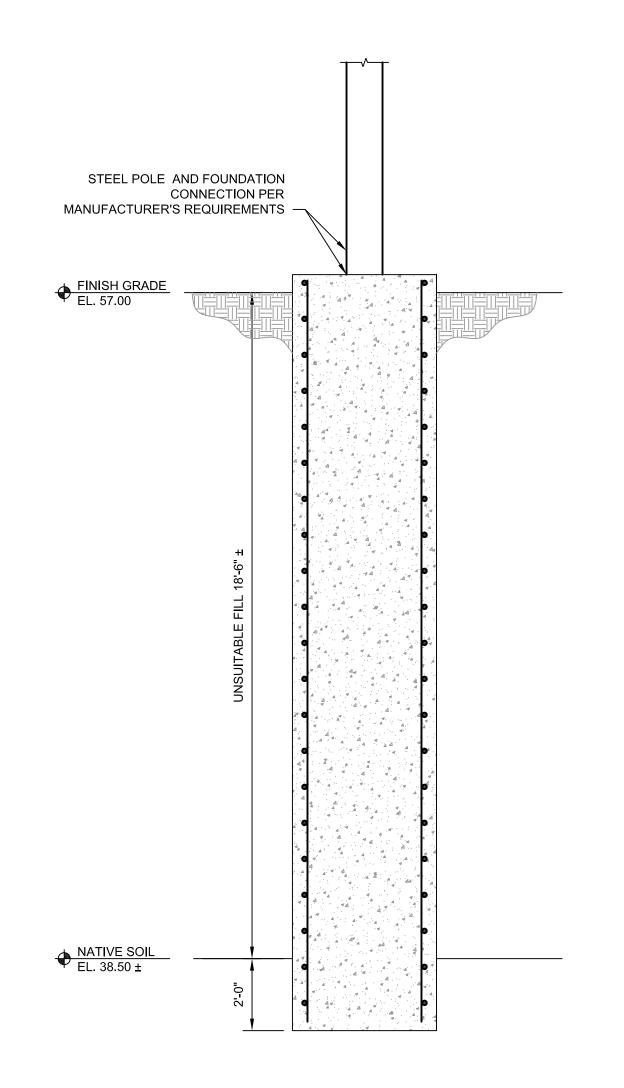


SECTION

SCALE: 3/8"=1'-0"



BALL-NETTING FOUNDATION DETAIL SCALE: 1"=1'-0"



BALL NETTING POLE FOUDNATION

SCALE: 3/8"=1'-0"

CITY OF PORTSMOUTH, NH RTE 33. RECREATIONAL

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Revisions: No. Date Description Seal: Issued For: CONSTRUCTION DOCUMENTS Scale: AS SHOWN 01-30-2018 Date: Drawn By: Reviewed By: RAC

Drawing Title:

W&S File No:

Approved By: RAC

W&S Project No: 2160648

SHADE SHELTER. SCOREBOARD, AND BALL NETTING POLE FOUNDATION DETAILS

Sheet Number:

