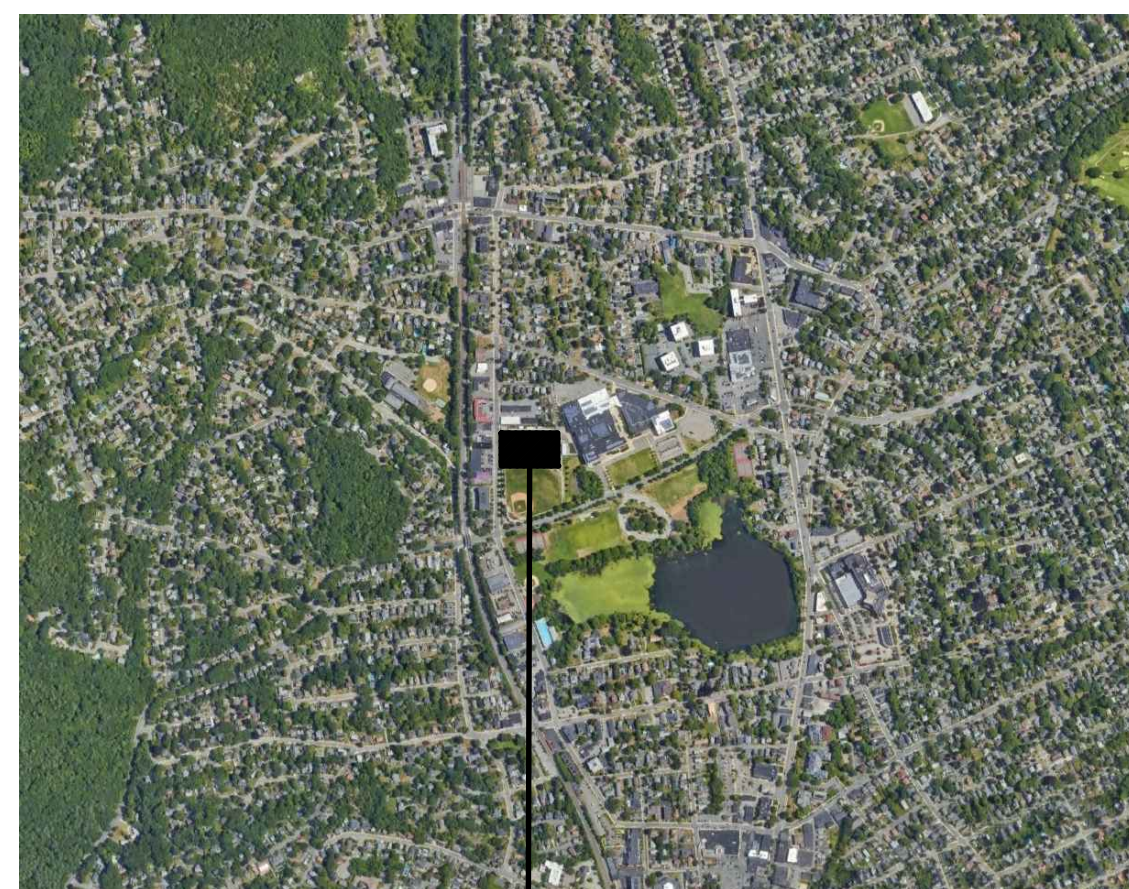




# CITY OF MELROSE

## FRED GREEN MEMORIAL FIELD TURF REPLACEMENT

MELROSE, MASSACHUSETTS



Fred Green Field  
Locus Map



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FOR PERMITTING PURPOSES ONLY  
- NOT FOR CONSTRUCTION -

**MAY 22, 2023**

**Prepared By**



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L000



**LEGEND**

- LIMIT OF WORK
- - - FLOODPLAIN EL. 49.9
- 50 --- CONTOUR (MAJOR)
- 49 --- CONTOUR (MINOR)
- [Hatched Box] BUILDING
- EDGE OF PAVEMENT
- 6' CLF --- FENCE
- OVERHEAD WIRE
- CONCRETE BORDER
- VGC --- VERTICAL GRANITE CURB
- DRAIN
- SEWER
- UPLP-426 --- UTILITY POLE
- GUY --- ANCHOR
- SMH --- SEWER MAN HOLE
- DMH --- DRAIN MANHOLE
- EMH --- ELECTRIC MANHOLE
- CMH --- CABLE MANHOLE
- CB --- CATCH BASIN
- WG --- WATER GATE
- HYD --- HYDRANT
- ☀ --- LIGHT POLE
- 2010 --- TRAVERSE POINT
- [Box] --- ELECTRIC CONTROL BOX
- x 48.88 --- SPOT GRADE
- --- BOLLARD
- HMA --- BITUMINOUS PAVEMENT

**SURVEY NOTES:**

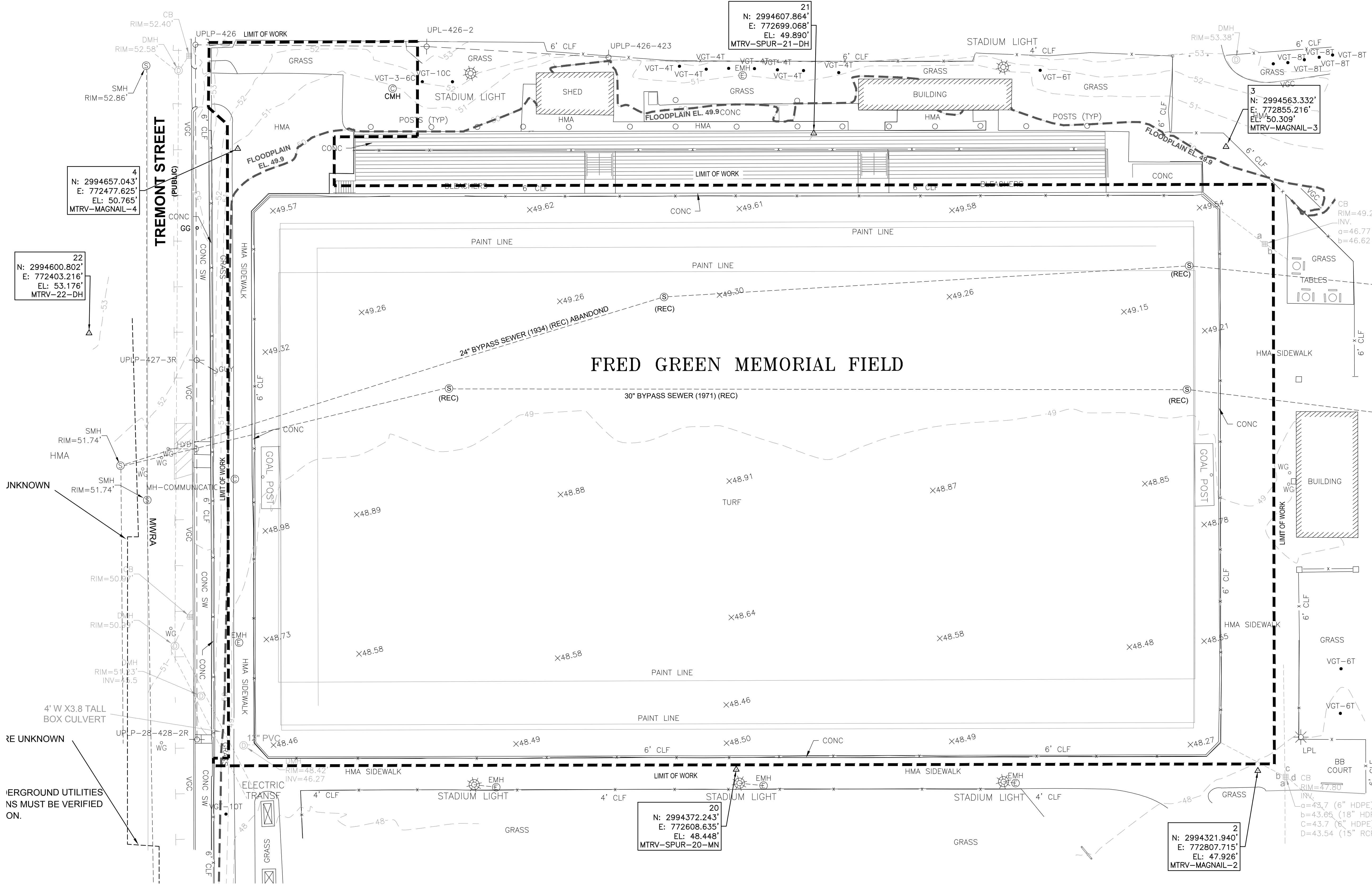
1. THIS PLAN IS BASED ON AN ON THE GROUND SURVEY PERFORMED BY CHAPPELL ENGINEERING BETWEEN THE DATES OF MARCH, 6 AND MARCH, 23 2023.
2. SURVEY DATUMS ARE: HORIZONTAL (NAD 83), VERTICAL (NAVD 88).
3. UNDERGROUND UTILITIES ARE DERIVED FROM SURFACE EVIDENCE AND RECORD INFORMATION. ALL UTILITIES SHOULD BE VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION.

**GENERAL NOTES**

1. LOCATIONS OF ANY UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND 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 M.G.L. CHAPTER 82, SECTION 40, 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.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND REVIEWING THE DRAWINGS AND ASSUMES RESPONSIBILITY OF VERIFYING ALL EXISTING CONDITIONS AND MATERIALS SHOWN WITHIN THE PROJECT CONTRACT LIMITS.
4. 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.

5. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON "AS-BUILT" DRAWINGS.
6. 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 TO AND TO THE SATISFACTION OF THE OWNER.
7. 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, TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
8. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA "COMPETENT PERSON" PRIOR TO CONSTRUCTION.
9. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER.
10. 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.
11. NO CUTTING OR FILLING SHALL OCCUR WITHIN FIVE (5) FEET OF EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER OR

- OWNER'S REPRESENTATIVE.
12. 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 PRIOR TO SUBMITTING BID.
  13. THE GRADING OF ALL SLOPES AND CROSS SLOPES SHALL CONFORM TO THE COMMONWEALTH OF MASSACHUSETTS 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.
  14. 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.
  15. CONTRACTOR'S STAGING AREA MUST BE WITHIN THE CONTRACT LIMIT LINE. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.
  16. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF MELROSE PARKS DEPARTMENT.
  17. IN CASE OF CONFLICT WITHIN THE CONTRACT DOCUMENTS THE CITY OWNS "BEST AND MOST."



Project:  
**FRED GREEN MEMORIAL TURF FIELD, MELROSE, MA**

360 LYNN FIELDS PKWY  
 MELROSE, MA

**Weston & Sampson**

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Consultants:

No.	Date	Description

Revisions:

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Drawing Title:  
**EXISTING CONDITIONS PLAN**

Sheet Number:  
**L100**







**LEGEND**

- LIMIT OF WORK
- FLOODPLAIN EL. 49.9
- SYNTHETIC TURF CARPET SHALL BE SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
- TYP. DIMENSION
- TYP. ARC DIMENSION
- TYP. ANGLE DIMENSION
- EX. TYP. SPECS. CENTER LINE
- CENTER POINT

**MATERIALS NOTES**

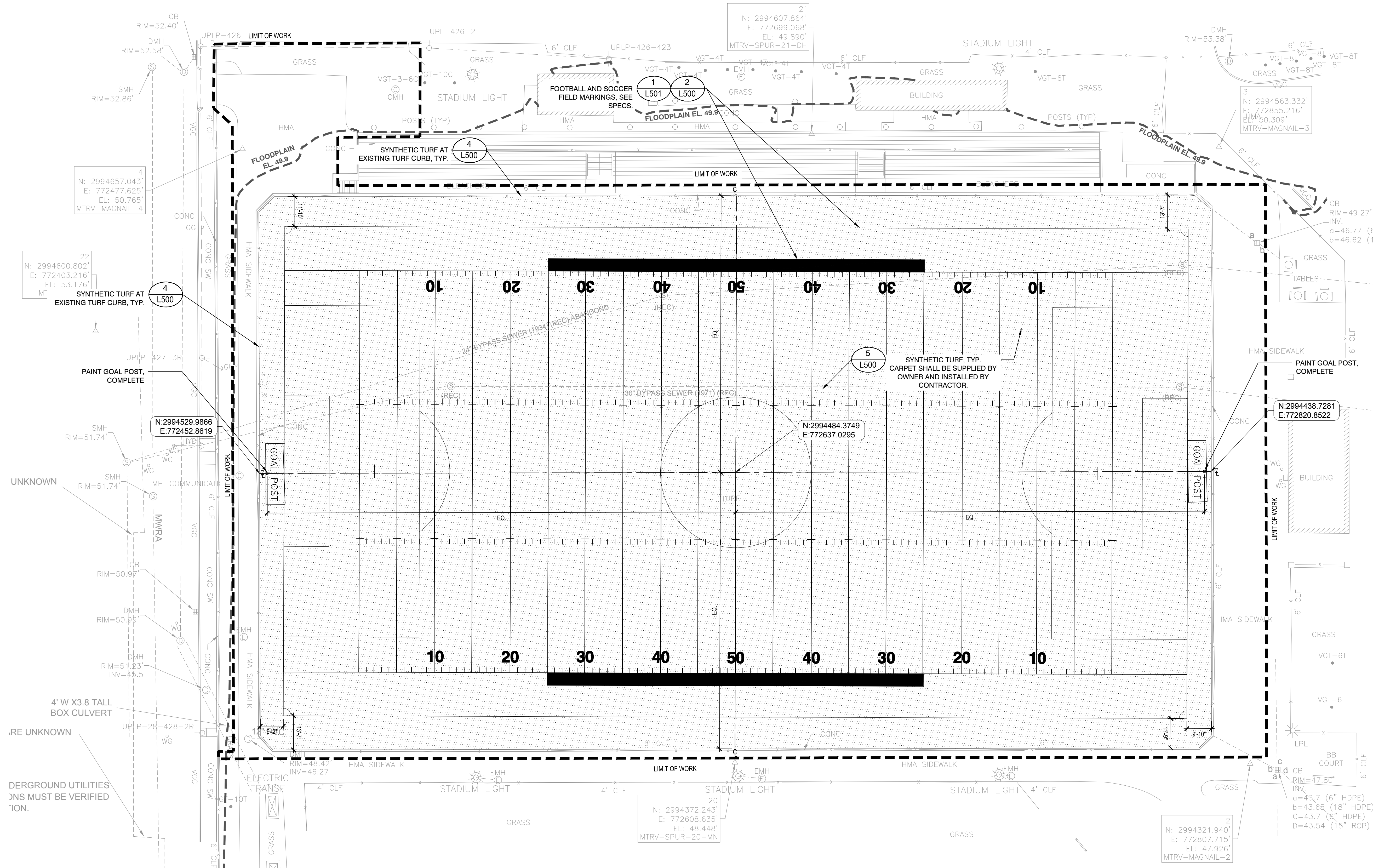
1. REFER TO EXISTING CONDITIONS PLAN FOR SURVEY INFORMATION.
2. ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT PLAN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS.

**LAYOUT NOTES**

1. 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 DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. ALL LINES AND GRADING WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A MASSACHUSETTS REGISTERED CIVIL ENGINEER OR LICENSED SURVEYOR ENGAGED BY THE GENERAL CONTRACTOR.
3. ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
4. 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.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER AND OWNER'S REPRESENTATIVE.
6. LAYOUT AND DIMENSIONS PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL LAYOUT AND DIMENSION PLAN.

**SPECIAL NOTES:**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE EXISTING STONE LEVELING COURSE, SUBBASE, AND DRAINAGE TO MEET THE DRAINAGE REQUIREMENTS INDICATED IN THE SPECIFICATIONS. CONTRACTOR SHALL DETERMINE EXTENTS THROUGH ADDITIONAL TESTING DURING CONSTRUCTION. TO NO ADDITIONAL COST TO THE OWNER. ASSUME 10% OF EXISTING FIELD AREA TO BE REPAIRED. SEE SPECIFICATIONS FOR DRAINAGE TESTING RESULTS PERFORM IN APRIL OF 2023.
2. WHERE SETTLEMENT OF THE EXISTING SUBBASE AND STONE LEVELING COURSE HAS OCCURRED, THE FOLLOWING SHALL BE PERFORMED:
  - REMOVE THE STONE LEVELING COURSE
  - SUPPLEMENT, REGRADE, AND COMPACT THE SUBBASE
  - REINSTALL / SUPPLEMENT, FINE GRADE, AND COMPACT THE STONE LEVELING COURSE SO THAT A CONSISTENT 1" DEPTH OF THE STONE LEVELING COURSE IS ACHIEVED THROUGHOUT.
3. SALVAGED INFILL SHALL BE SUPPLEMENTED WITH NEW INFILL TO MEET THE REQUIREMENTS INDICATED IN THE SPECIFICATIONS. IT IS ASSUMED 80% OF THE SALVAGED INFILL CAN BE REUSED ON SITE. CONTRACTOR SHALL ASSUME 20% OF THE INFILL TO BE REPLACED. NEW INFILL SHALL BE SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.



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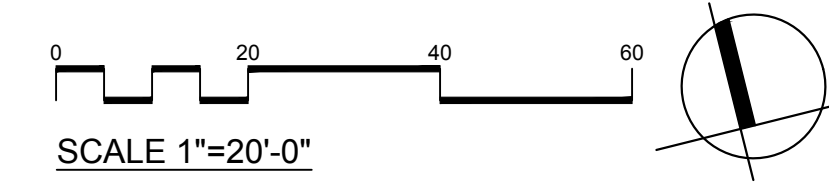
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 W&S File No.:

Drawing Title:  
**MATERIALS AND LAYOUT PLAN**

Sheet Number:  
**L120**



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**LEGEND**

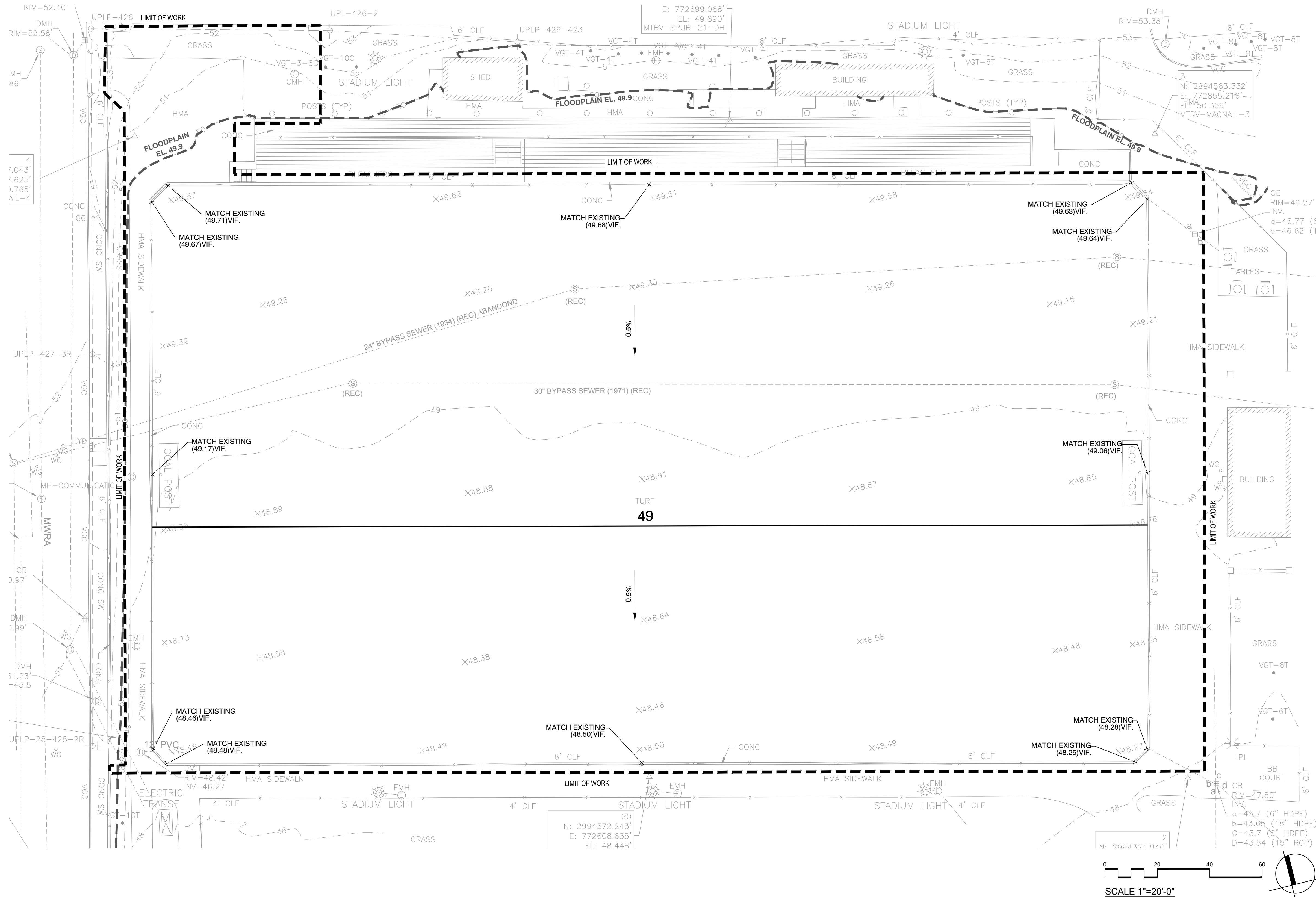
- LIMIT OF WORK
- - - FLOODPLAIN EL. 49.9
- ⊕ EXISTING DRAINAGE STRUCTURE
- 12 EXISTING CONTOURS
- x 8.25 EXISTING SPOT ELEVATION. CONTRACTOR TO VERIFY IN FIELD
- 14 PROPOSED CONTOURS
- 1.5% PROPOSED SLOPE
- x 8.25 PROPOSED SPOT ELEVATION
- VIF. VERIFY IN FIELD

**GRADING AND DRAINAGE NOTES**


1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES AND INVERT ELEVATIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER AND OWNER'S REPRESENTATIVE.
2. 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.
3. 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 AND AT THE END OF THE PROJECT.
4. WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES.
5. WHERE A SPECIFIC LIMIT OF WORK LINE IS NOT OBVIOUS OR IMPLIED, BLEND GRADES TO EXISTING CONDITIONS WITHIN 5 FEET OF PROPOSED CONTOURS.
6. RESTORE ALL DISTURBED AREAS AND LIMITS OF ALL REMOVALS TO LOAM AND SEED UNLESS OTHERWISE NOTED.
7. WHERE NEW IMPROVEMENTS MEET EXISTING CONDITIONS, MEET LINE AND GRADE OF EXISTING ADJACENT PAVEMENTS, TYPICAL.

**NOTES:**

1. CONTRACTOR SHALL CLEAR AND WATER JET ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMIT OF WORK TO THE NEAREST STRUCTURE.
2. CONTRACTOR SHALL INSPECT ALL EXISTING DRAINAGE LINES WITHIN THE LIMIT OF WORK AND REPLACE AS NEEDED.
3. THE INTENT IS TO MATCH ALL PREVIOUS FIELD ELEVATIONS AND PITCHES ACHIEVED DURING THE ORIGINAL CONSTRUCTION OF THE PROJECT. TO ACCOMPLISH THIS, AREAS THAT HAVE SETTLED IN RECENT YEARS SHALL BE REPAIRED BY SUPPLEMENTING EXISTING SUBBASE AND STONE LEVELING COURSES WITH NEW LIKE MATERIAL AND INCLUDING ALL INHERENT FINE GRADING AND COMPACTION.



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Drawing Title:  
**GRADING AND DRAINAGE PLAN**

Sheet Number:  
**L130**







