

Liberty School District – Baseball Softball Complex
Addendum No: 002
Description Narrative
July 25, 2023

This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

A. CONSTRUCTION MANAGER'S FRONT END MANUAL

1. SECTION 002413 – SCOPE(S) OF WORK

- a. 03-3000 – Site Concrete
- b. 04-2000 – Unit Masonry
- c. 05-1000 – Structural Steel
- d. 06-1000 – General Trades
- e. 07-5000 – Roofing and Sheet Metal
- f. 07-9200 – Joint Sealants
- g. 09-9000 – Exterior Painting
- h. 11-6673 – Exterior Athletic Equipment and Base
- i. 26-1000 – Electrical
- j. 31-1000 – Earthwork

B. OTHER

NA

C. SPECIFICATIONS

NA

D. DRAWINGS

1. Please reference the attached Addendum No. 002 issued by Hollis + Miller dated July 24, 2023, for updates to Drawings.

Please direct any questions regarding the information in this addenda and the project to Newkirk Novak Construction Partners.

PROJECT: N3-0633
COST CODE: 03-3000**Liberty School District – Baseball Softball Complex
03-3000 – Site Concrete****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Site Concrete** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 033000 Cast-in-Place Concrete
- 321313 Concrete Paving

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. All concrete work and associated accessories including but not limited to, form/wreck, shoring, place, finish all concrete shown in the contract documents. This includes but is not limited to drilled piers, footings, grade beams, slab on grade, exterior concrete stoops, concrete pavement, concrete drives, concrete bollards, etc.
3. All site concrete, including but not limited to, sidewalks, sidewalk ramps, steps, paving, curb & gutter, flumes, light poles bases, etc. Furnish and install handicap sidewalk ramps as required.
4. This contractor responsible for any necessary dewatering of their excavations for placement of concrete.
5. Install all steel anchor rods required in concrete. These items will be provided by others.
6. Provide all materials, equipment, labor, accessories, etc. required to install all reinforcing rebar/steel including dowels for concrete.
7. Provide and install vertical dowels out of footing for masonry contractor.
8. Provide grouting of column base plates and diamond block out pour back.
9. This contractor is responsible for all layouts and surveying associated with the installation of their work from existing control points.
10. Contractor to anticipate under slab electrical rough-in and should include measures to install rock to avoid damage which includes hand work, tele-belt, etc.
11. Install expansion joints and controls joints/contraction joints, including performed/isolation joint filler where required. Provide a joint plan for engineer approval prior to performing slab on grade activities.
12. Include excavation for structural concrete, pole bases, bollards, etc. Spoils to be stockpiled on site at location approved by Construction Manager. Spoils will be removed from approved stockpile location by Earthwork Contractor.
13. Granular fill as required at all slabs, concrete paving, sidewalk, and any other concrete structures.

14. The earthwork subcontractor is responsible for all excavation, cut, fill, structural fill, and compaction of soils to +/- 1/10 foot based on elevations indicated in the contract documents. The concrete, site utilities, electrical, landscaping & asphalt contractors will be responsible for fine grading after the earthwork contractor establishes grade to within +/- 1/10 foot.
15. Sleeves required for penetrations will be furnished by associated contractors and installed by the Concrete Contractor.
16. Winter/Summer protection, provisions as required to maintain the project schedule including but not limited to:
 - a) Hotwater/Ice,
 - b) Heaters, Fules, and tarps
 - c) Fire Watch
 - d) Winter concrete surcharges including heated water and admixtures.
 - e) Protection of concrete from heat/frost, freezing and low temperatures

The following work is excluded:

1. All concrete work from exterior turf perimeter curb inside of fields
2. Foul pole foundations
3. Backstop foundations

PROJECT: N3-0633
COST CODE: 04-2000**Liberty School District – Baseball Softball Complex
04-2000 – Unit Masonry****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Unit Masonry** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 04-2000 – Unit Masonry

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. All masonry including load bearing and non-load bearing masonry, shear walls, grout, installation of embed items, flashing, ties, anchors reinforcing steel, sleeves, flashing, weep holes, vents, lintels, dowels, drilling, grouting of all door/window frames and security frames located in masonry wall assemblies, accessories, etc
3. Provide blockouts and openings as required by other trades. Sleeves required for penetrations and openings will be furnished by other contractors and installed by the masonry contractor. Coordination and layout drawings will be furnished by applicable contractor. In fill openings in masonry walls around penetrations where necessary. Soaping and infill around structural steel will be required after the structural steel has been completed.
4. Provide and install dowels as required for new CMU walls on existing slabs if required.
5. Miscellaneous masonry accessories, clips, shims, fasteners, anchors, accessories, welding, etc required for a complete installation.
6. Includes installation of loose steel lintels and anchor bolts. Steel lintels and anchor bolts to be provided by the structural steel contractor.
7. This contractor will be responsible for limited weather protection including tarps for top of wall and store material protection from water.
8. All masonry cavity wall insulation and insulation located behind masonry to be provided and installed by this scope of work.
9. Protect and maintain ends of reinforcement/dowels for masonry operations with OSHA approved covers/caps throughout construction.
10. Clean-up of site staging area following masonry work, including grout/mortar area. This scope of work to clean/haul off all debris following demobilization.
11. Grout at structural steel locations shall be by this Contractor.



Newkirk Novak Construction Partners
11200 West 79th Street
Lenexa, KS 66214
913.312.9535

The following work is excluded:

PROJECT: N3-0633
COST CODE: 05-1000**Liberty School District – Baseball Softball Complex
05-1000 – Structural & Misc. Steel****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Structural Steel** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 051200 Structural Steel Framing
- 055000 Metal Fabrications
-

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Provide all structural steel
3. Furnish all required embeds, anchor bolts, baseplates, leveling pads. etc (that are required to complete this scope of work) to the appropriate trades for installation. Furnish layout drawings for all items and coordinate the layout with associated subcontractors.
4. All guard rail, handrail, wall rail and stairs, including design and code compliance, per the contract documents. Provide sleeves for guard rail to the appropriate trades during wall installation or core drill as needed.
5. Provide loose steel lintels at masonry. Installation to be by masonry subcontractor.
6. Connections to concrete, masonry or other non-steel substrates where installation of steel must occur after substrate is already in place.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 06-1000**Liberty School District – Baseball Softball Complex
06-1000 – General Trades****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **General Trades** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 061000 Rough Carpentry
- 061063 Exterior Rough Carpentry
- 061600 Sheathing
- 071900 Water Repellents and Sealers
- 081113 Hollow Metal Doors and Frames
- 083613 Sectional Doors

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Install all items noted to be provided by the owner.
3. Provide all wood blocking, wood framing, nailers, wood sheathing, and plywood backing panels. Includes all roof blocking at parapets, wood framing, scupper, and expansions joints and other locations per the Contract Documents.
4. Provide solid surface counter tops and support brackets as necessary at dougouts
5. Access doors per the plans.
6. Provide OH Doors
7. Furnish and install all hollow metal doors, door frames, flush wood doors, overhead coiling doors, and door hardware for all openings as indicated in the Contract Documents.
8. Finish hardware at all doors by this scope of work. Coordinate keying with owner, Construction Manager, and other Contractors providing hardware. This Contractor to provide the glazing Contractor all lock cores for all aluminum doors.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 07-5000**Liberty School District – Baseball Softball Complex
07-5000 – Roofing and Sheet Metal****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Roofing and Sheet Metal** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 073113 Asphalt Shingle Roofing System
- 076200 Sheet Metal Flashing and Trim

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Provide roofing systems complete per the contract documents.
3. Provide and install all sheet metal
4. Exterior metal wall and soffit panels system including, support framing (i.e. horizontal and vertical girts, channels, furring, etc.), insulation, connections, fasteners, concealed fasteners, flashings, trim, closure pieces and accessories for a complete system.
5. Control Joints where indicated or required.
6. Provide joint sealants at this packages work and as required to provide watertight systems.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 07-9200**Liberty School District – Baseball Softball Complex
07-9200 – Joint Sealants****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Joint Sealants** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 079200 Joint Sealants
- 321373 Concrete Paving Joint Sealants

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Joint Sealants, including but not limited to:
 - a) Concrete pavement and all exterior joints
 - b) Interior and exterior, perimeter of windows, entrances, and storefront systems
 - c) Cosmetic filling of interior joint locations around door and window frames, lintels and all places where dissimilar materials join together to form clean, sharp corners for paint applications to frames and walls.
 - d) All masonry and horizontal and vertical joints.
 - e) Backer rods and required materials to complete all caulking.
 - f) Caulking and sealants at concrete paving, sidewalk, and miscellaneous sitework structures.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 09-9000**Liberty School District – Baseball Softball Complex
09-9000 – Exterior Painting****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Exterior Painting** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 099113 Exterior Painting

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Provide surface preparation, priming, and finish coats to surfaces indicated.
3. Painting of hollow metal frames.
4. Painting of exposed structural steel
5. Painting of existing to remain items: exterior railings, framing, fence posts etc
6. Detail caulking as required.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 11-6673**Liberty School District – Baseball Softball Complex
11-6673 – Exterior Athletic Equipment and Base****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Exterior Athletic Equipment and Base** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 033000 Cast-in-Place Concrete
- 116673 Exterior Athletic Equipment
- 323113 Chain Link Fences and Gates
- 334100 Storm Utility Drainage

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Provide all turf drainage to daylight location
3. Salvage and reinstall vinyl windscreen
4. Provide concrete perimeter turf curb and nailer at all turf locations
5. Provide all clean rock / fines, filter fabric, and geotextile fabric at all turf locations to meet the grading as needed for turf installation.
6. Provide concrete footings for all items per this scope of work: Fencing, Backstops, Foul Pole, Batter's Eye, etc.
7. Provide all fencing systems / types
8. Provide all athletic equipment per project specification / documents

The following work is excluded:

1. All concrete work from exterior turf perimeter curb outside of fields unless specifically mentioned above.

PROJECT: N3-0633
COST CODE: 26-1000**Liberty School District – Baseball Softball Complex
26-1000 – Electrical****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Electrical** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 260500 Common Work Results for Electrical
- 260519 Low-Voltage Electrical Power Conductors and Cables
- 260526 Grounding and Bonding for Electrical Systems
- 260529 Hangers and Supports for Electrical Systems
- 260533 Raceway and Boxes for Electrical Systems
- 260543 Underground Ducts and Raceways for Electrical Systems
- 260553 Identification for Electrical Systems
- 270500 Common Work Results for Communications

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. Make safe for demo. Demolition as shown on drawings for all electrical, low voltage, data. Salvage and devices called out to relocate/reuse.
3. Provide new light poles for relocated sports lighting
4. Realign existing to remain sports lighting and work with manufacturer to provide correct coverage with existing heads
5. Provide conduit raceways and sleeves for the following systems, including but not limited to:
 - a) Data / AV
 - b) In-wall conduit and openings in masonry walls and precast need to be coordinated with those contractors. If this contractor fails to coordinate they will be responsible for core drilling, saw cutting, etc. and patch back. There is to be no wall mounted conduit.
 - c) This contractor is to provide any sleeves required for in-wall or underslab work.
6. Provide temporary electrical services to the Project, including but not limited to
 - a) 100A service to feed temporary construction power
 - b) Dismantle and remove all temporary services when no longer required.
7. Communications and AV system per the contract documents, including but not limited to:
 - a) Sleeves & sleeve seals
 - b) Grout

- c) Enclosures for underground data transition
 - d) Boxes and conduit
 - e) Cabling
 - f) Devices
8. Spoils generated by this scope to be stored at onsite locations approved by Contractor. Spoil removal to be by earthwork subcontractor.
 9. This contract is to provide and install all fixtures, devices, raceway, unistrut etc. needed for exterior and interior lighting and any site electrical work.
 10. This contractor will be required to pull permits for all work as required.

The following work is excluded:

PROJECT: N3-0633
COST CODE: 31-1000**Liberty School District – Baseball Softball Complex
31-1000 - Earthwork****Specific scope of work to be performed:**

Provide all required labor, material, equipment, permits, layout, freight, and applicable taxes necessary for the **Earthwork** Scope of Work complete as set forth in the Liberty High School and Liberty North High School drawings and specifications by Hollis and Miller Architects dated July 12th, 2023 and all other applicable sections of the project manual and all other subcontract documents identified.

Scope of work includes, but is not limited to, the following specification sections:

- Division 00
- Division 01
- 024119 Selective Demolition
- 311000 Site Clearing
- 312000 Earth Moving

JOB SPECIFIC SCOPE INCLUDES (but is not limited to):

1. Provide all items per Master Scope of Work
2. All site demolition as shown on drawings.
3. All site utility and existing drainage demolition as shown on drawings
4. Site clearing, tree removal, and grubbing as indicated. Protect existing improvements, structures, and vegetation scheduled to remain.
5. Salvage items as noted. Coordinate salvaged items with CM.
6. Provide and maintain erosion control for the entire project for the duration of the project. Erosion control measures shall be provided in accordance with information contained in the SWPP and details shown on the drawings. Maintain SWPP including daily reporting for the duration of the project.
7. Provide and maintain gravel access roads per the provided logistics plans for the duration of the project.
8. Location of existing utilities as required for this scope of work.
9. This Contractor is responsible for the moisture conditioned and compacted subgrade and granular base at, concrete pavement and concrete curbs to +/- 1/10 foot at areas outside turf.
10. This Contractor is responsible for the compacted subgrade at turf areas +/- 1/10 foot. Clean rock and crushed fines by Turf Base Contractor.
11. Dust control to be provided by this scope of work.
12. This Contractor will be responsible for relocation of spoils generated by this scope of work and other scopes of work. Other Contractors to stockpile spoils for daily removal by this Contractor. Spoils to be utilized on-site for fill as allowed by the grading plan and approved by the civil and geotechnical engineer. Spoils above and beyond available fill requirements or unacceptable to the engineers to be removed from site by this Contractor.



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13. A benchmark and initial control points will be provided per the contract documents. The contractor is responsible for all-subsequent layout and staking as required for this scope of work
14. Placement of topsoil at all disturbed and areas to receive landscaping by this scope of work.

The following work is excluded:

1. Salvaging and instal of bleachers
2. Irrigation repair work

ADDENDUM NO. 02

Issued: July 24, 2023

Project: LHS/LNHS Baseball and Softball Field Upgrades

Project No. 23023/23047

Owner: Liberty Public Schools
8 Victory Lane
Liberty, Missouri 64068

Bidding Documents Issued: July 12, 2023

This Addendum includes these 2 pages and the following attachments:

Supplemental Information:
MKEC, Civil Addendum No. 2 write-up
Smith & Boucher, MEP Addendum No. 2 write-up

Project Manual:
None

Drawings:
Revised Architectural Sheets:
23023 – AS101, AS111, AS112, AS113, AS681
23047 – AS101, AS111, AS681
Refer to MKEC, Civil Addendum No. 2
Refer to Smith & Boucher, MEP Addendum No. 2

DRAWINGS REVISIONS – 23023 Liberty High School

A1 SHEET AS101 – ARCHITECTURAL SITE PLAN - OVERALL

- A1.1 REVISED area around the hitting cage/bullpen as clouded on REISSUED sheet AS101.
- A1.2 REVISED extents of Alternate No. 5 as clouded on REISSUED sheet AS101.
- A1.3 ADD turf color legend as clouded on REISSUED sheet AS101.

A2 SHEET AS111 – ARCHITECTURAL SITE PLAN - BASEBALL

- A2.1 REVISED font type and messaging for letters outside of baselines as clouded on REISSUED sheet AS111.

A3 SHEET AS112 – SITE PLAN – MULTI-PURPOSE FIELD

- A3.1 REPLACE Sheet AS112 in its entirety. Multiple changes caused by moving home plate closer to the backstop, and subsequent revisions to warning track and foul territory. This essentially was going to cause nearly everything being clouded.

A4 SHEET AS113 – SITE PLAN - SOFTBALL

- A4.1 REVISE the gate entry points into each bullpen as clouded on REISSUED sheet AS113.



A5 SHEET AS681 – SCHEDULES AND MANUFACTURER'S FOOTING DETAILS

- A5.1 ADD equipment PM-18 to the equipment schedule as clouded on REISSUED sheet AS681.
- A5.2 REVISED area around the hitting cage/bullpen for perimeter curb extents as clouded on REISSUED sheet AS681.

REVISIONS – 23047 Liberty North High School

A1 SHEET AS101 – ARCHITECTURAL SITE PLAN - OVERALL

- A1.1 ADD turf color legend as clouded on REISSUED sheet AS101.
- A1.2 REVISED extents of Alternate No. 3 at the multi-purpose field as clouded on REISSUED sheet AS101.
- A1.3 EXPAND turf area west of home bullpen as clouded on REISSUED sheet AS101.

A2 SHEET AS111 – ARCHITECTURAL SITE PLAN - BASEBALL

- A2.1 EXPAND turf area west of home bullpen as clouded on REISSUED sheet AS111.

A3 SHEET AS681 – ROOF PLAN

- A3.1 REMOVE verbiage from below the equipment schedule as clouded on REISSUED sheet AS681.
- A3.2 ADD extents of perimeter turf curb to foul territory “wings” at detail A6 to match expanded Alternate No. 3 area.
- A3.3 ADD extents of perimeter turf curb to match expanded area west of home bullpen as clouded on REISSUED sheet AS111 at detail A6.

C2 REFERENCE ATTACHED CIVIL ADDENDUM NO. 2

E1 REFERENCE ATTACHED MEP ADDENDUM NO. 2

LIBERTY HIGH SCHOOL & LIBERTY NORTH HIGH SCHOOL ATHLETICS

ADDENDUM 02

July 24, 2023

The following are a summary of addendum items:

LIBERTY HIGH SCHOOL

DC101:

- Sidewalk removed from scope.
- Trees to have been updated to remain.
- Flag pole and ground uplights to remain.

C103:

- The alignment of SWS Line 1 has changed, along with structure and storm pipe labels.

C104:

- The bunting area, batting cage, and bullpen underdrain alignment has changed.
- Undrains at the multipurpose field have been updated.

C105:

- Drains have been added to both softball dugouts.

C107:

- Sidewalk has been removed from the scope.

C108:

- Alignment of sidewalk has been adjusted.
- Number of stairs has reduced to two to the Multipurpose Field.
- Sidewalk connection added south of the Multipurpose Field.

C109:

- Softball field and surrounding flatwork has shifted south.
- Ramp removed to concessions, now showing a sloped sidewalk.

C111:

- Updated grading limits around the Baseball Field.
- Updated spot elevations for sidewalk adjustments.

C112:

- Updated spot elevations for sidewalk adjustments.
- Updated spot elevations for the Bunting Area.

C113:

- Updated grading limits around the Softball Field sidewalk and at softball outfield.
- Updated spot elevations for sidewalk adjustments.

C114:

- TRM removed for reduced grading area.

LIBERTY NORTH HIGH SCHOOL

DC101:

- Updated demolition note 6.
- Updated note for contractor to salvage and reinstall vinyl graphic windscreen & to remove non-graphic windscreen.

C102:

- Updated underdrain piping at baseball throwing lane.

C103:

- Updated baseball throwing lane grading and dimensions.

Addendum #2

LHS Field Replacements
Smith & Boucher Project No. 2314709

[Issue Date]

To Documents Titled:
LHS Baseball and Softball Upgrades
07.12.2023

Architect-of-Record:
Hollis and Miller
1828 Walnut Street Suite 922
Kansas City, MO 64108

The Contract Documents for the above referenced project and the Work covered thereby are modified as described herein.

GENERAL NOTES AND CLARIFICATIONS

1. None

SPECIFICATIONS

- a. None

DRAWINGS

1. Sheet ME201 – Elec. – Site Plan
 - a. Added two quazite boxes and low voltage pedestals to the softball field.
 - b. Added power for the batting cages.

**CONSTRUCTION
DOCUMENTS**

LHS Baseball & Softball Upgrades

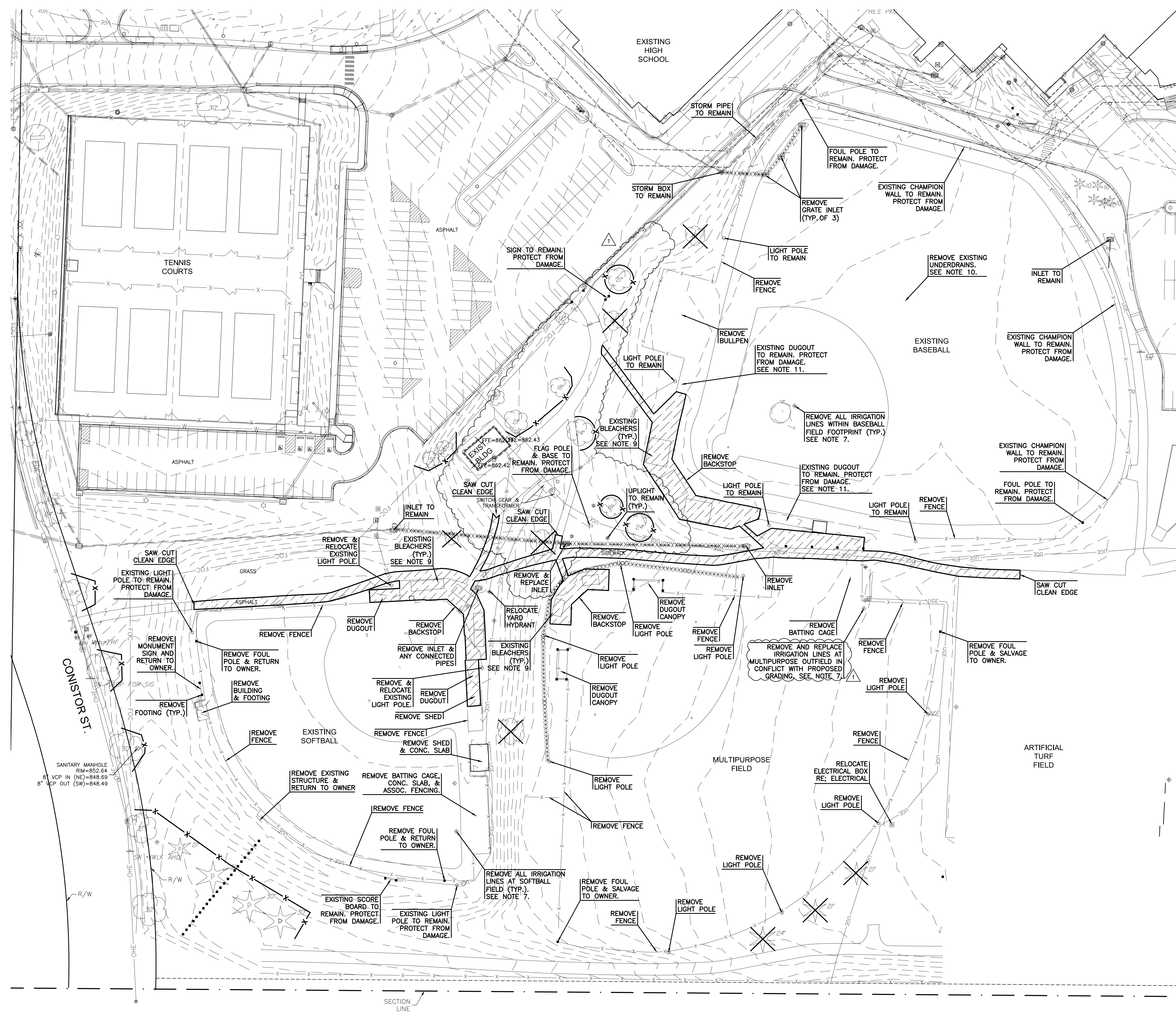
Liberty Public Schools 53

**200 Blue Jay Drive
Liberty, MO 64068**

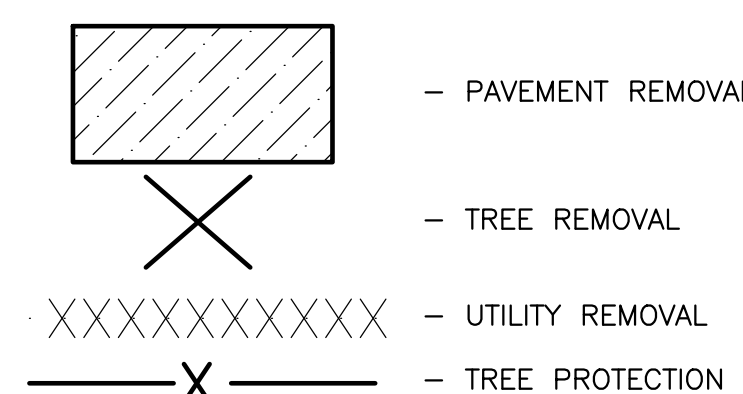
BRADEN L. TAYLOR
 NUMBER
 PE-2021001896
 7/24/23
 PROFESSIONAL ENGINEER
 STATE OF MISSISSIPPI

JOB NO: 23023
DRAWN BY: MK
CHECKED BY: BL
DATE: 07-12-23

DC101



DEMOLITION LEGEND



SCALE: 1"=40'

NOTES:

1. SEE SHEET C102 FOR UTILITY NOTES.



we design the future™

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115 Wilcox Street Suite 210
Castle Rock, CO 80104
1.720.949.1689

HOLLISANDMILLER.COM

Hollis + Miller Architects
Missouri State Certificate of Authority
Architecture # 0000181
Structure # 200001333

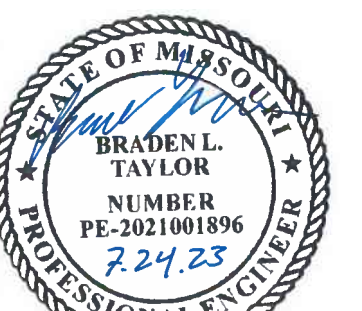
MKEC Engineering, Inc.
Civil Engineering / Landscape Architecture
State Certificate of Authority #:
Engineering: 2001009364
Landscaping: 2006027138
Surveying: 2006027138
11827 W. 112th St. Ste 200
Overland Park, Johnson County, KS 66210
913.317.5385 phone

Smith & Boucher Engineers
Mechanical, Electrical, Plumbing Engineers
State Certificate of Authority #E0C000178
25618 W 103rd St
Olathe, Johnson County, KS 66061
913.345.2127 phone

LHS Baseball & Softball Upgrades

Liberty Public Schools 53
200 Blue Jay Drive
Liberty, MO 64068

REVISIONS:		
#	Description	Date
1	Addendum No. 2	07.24.2023



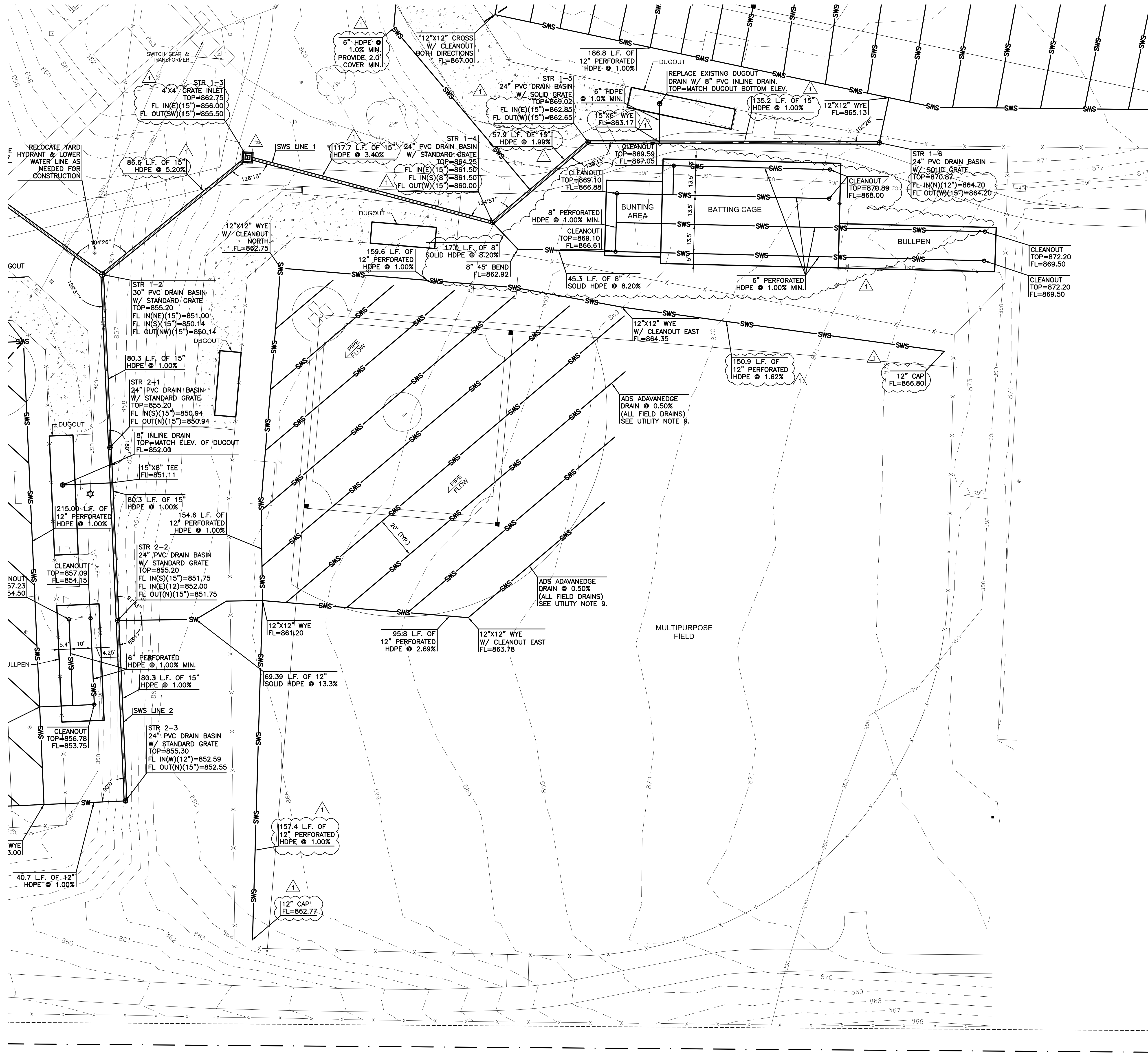
BRADEN L. TAYLOR
LIC# 2021001896

JOB NO: 23023
DRAWN BY: MKB
CHECKED BY: BLT
DATE: 07-12-23

C103

UTILITY PLAN (BASEBALL)

Please consider the environment before printing this.



NOTES:
1. SEE SHEET C102 FOR UTILITY NOTES.

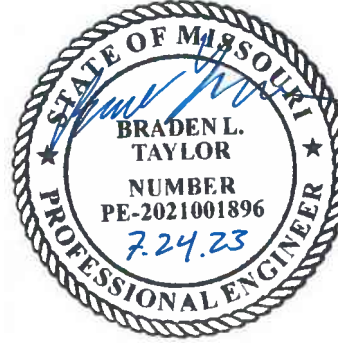


we design the future™
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Structure # 200001333
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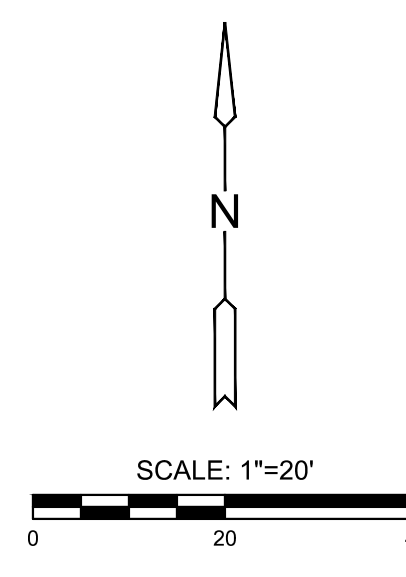
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1. SEE SHEET C102 FOR UTILITY NOTES

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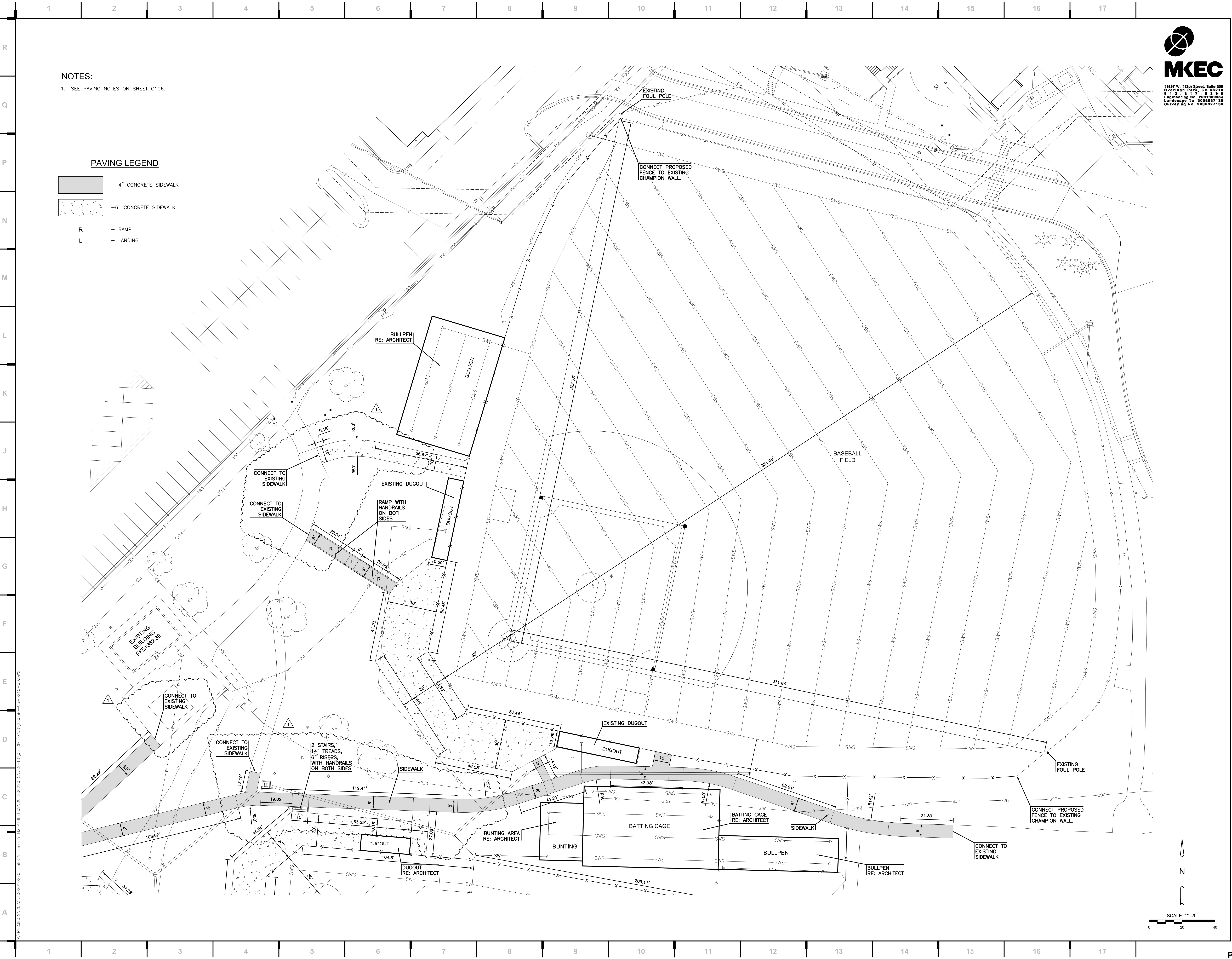
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C105

UTILITY PLAN (SOFTBALL)

 Please consider the environment before printing this



NOTES:
1. SEE PAVING NOTES ON SHEET C106.

- PAVING LEGEND**
- 4" CONCRETE SIDEWALK
 - 6" CONCRETE SIDEWALK
 - R - RAMP
 - L - LANDING

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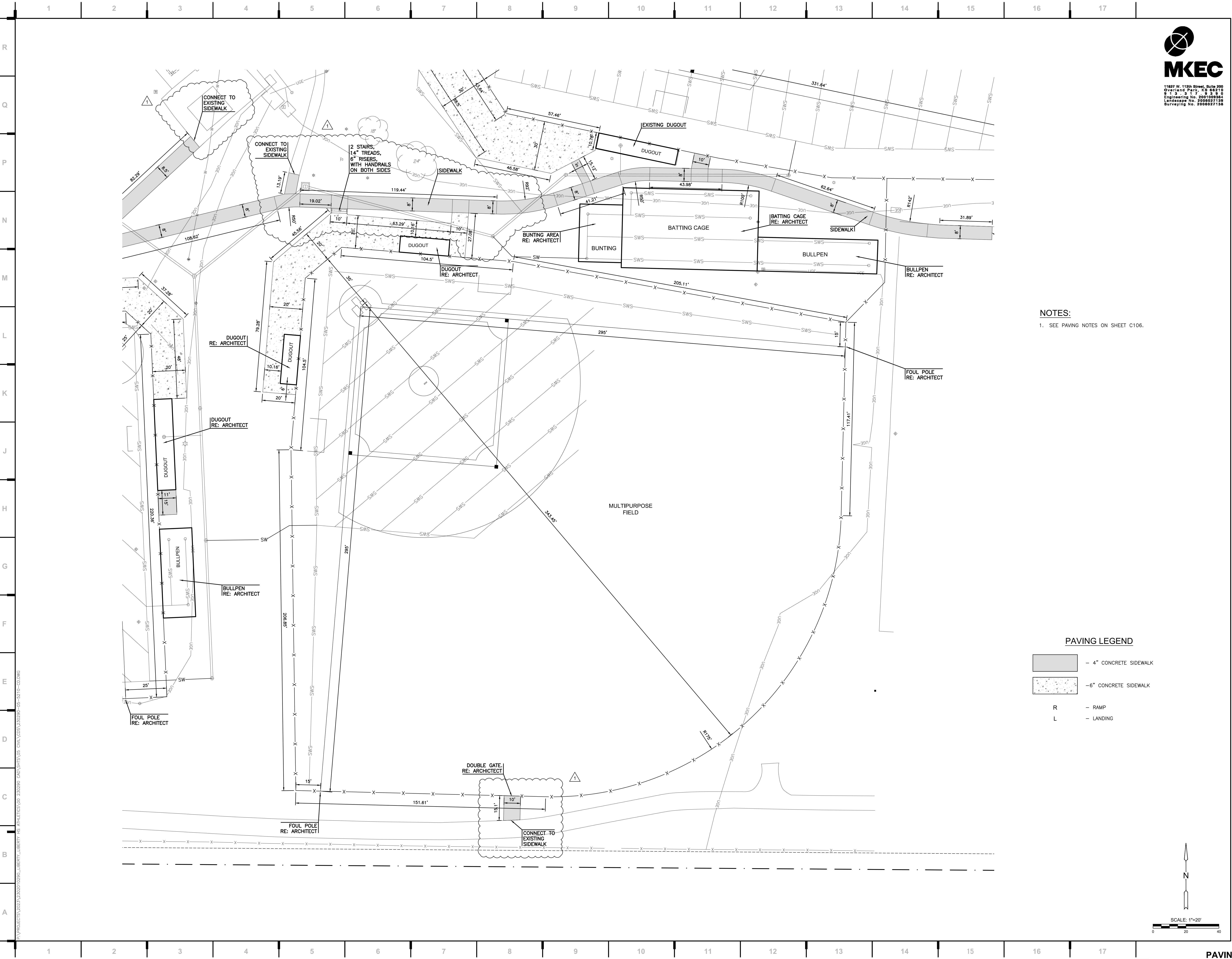
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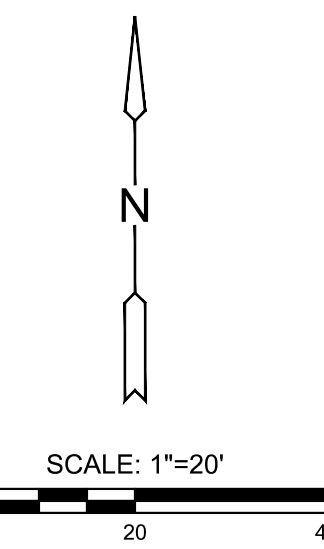
C107



NOTES:
1. SEE PAVING NOTES ON SHEET C106.

PAVING LEGEND

- 4" CONCRETE SIDEWALK
- 6" CONCRETE SIDEWALK
- R - RAMP
- L - LANDING



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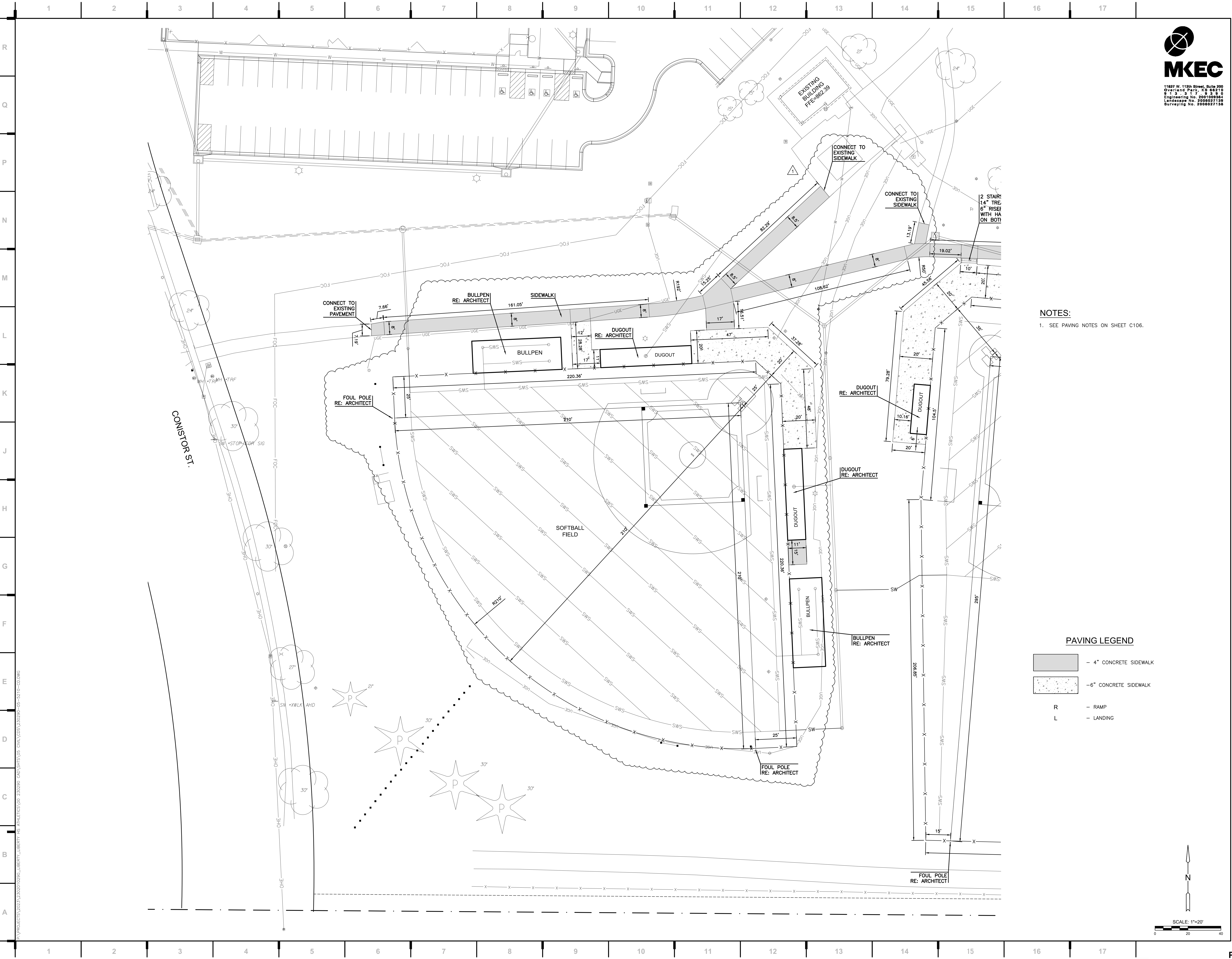
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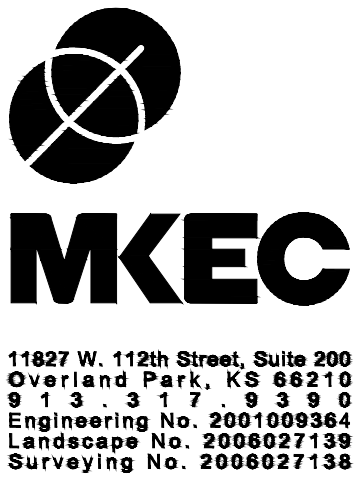
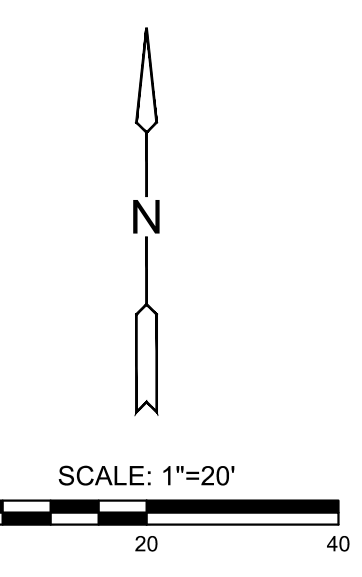
C108



NOTES:
1. SEE PAVING NOTES ON SHEET C106.

PAVING LEGEND

	4" CONCRETE SIDEWALK
	6" CONCRETE SIDEWALK
R	RAMP
L	LANDING



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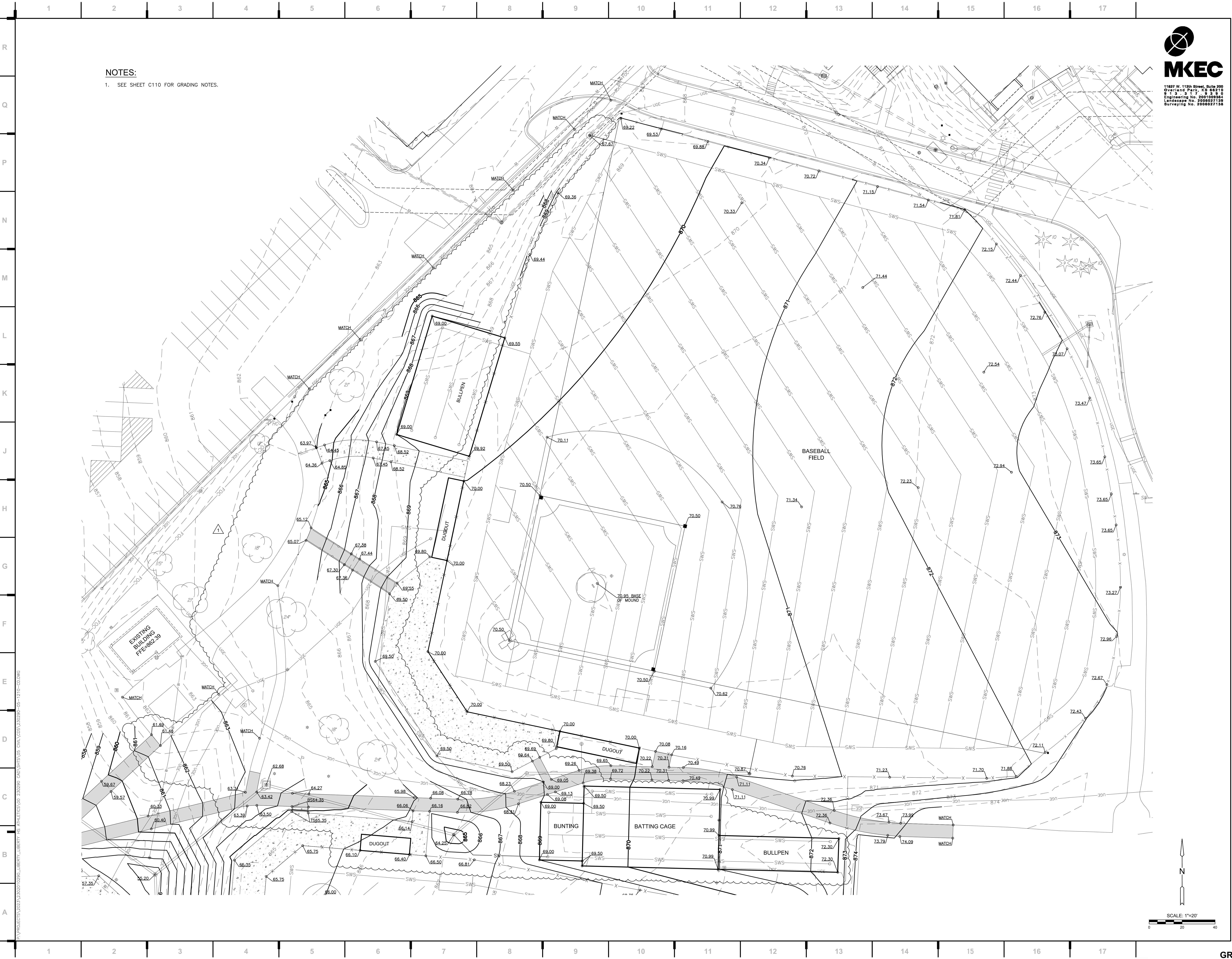
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NOTES:
1. SEE SHEET C110 FOR GRADING NOTES.



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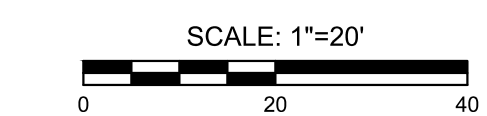
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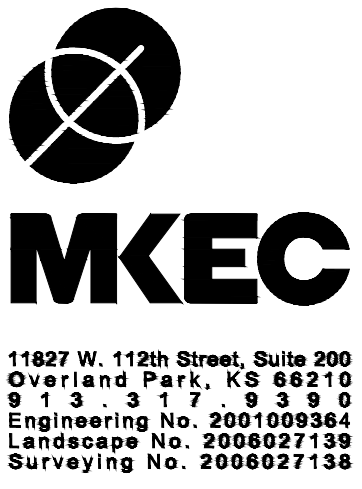
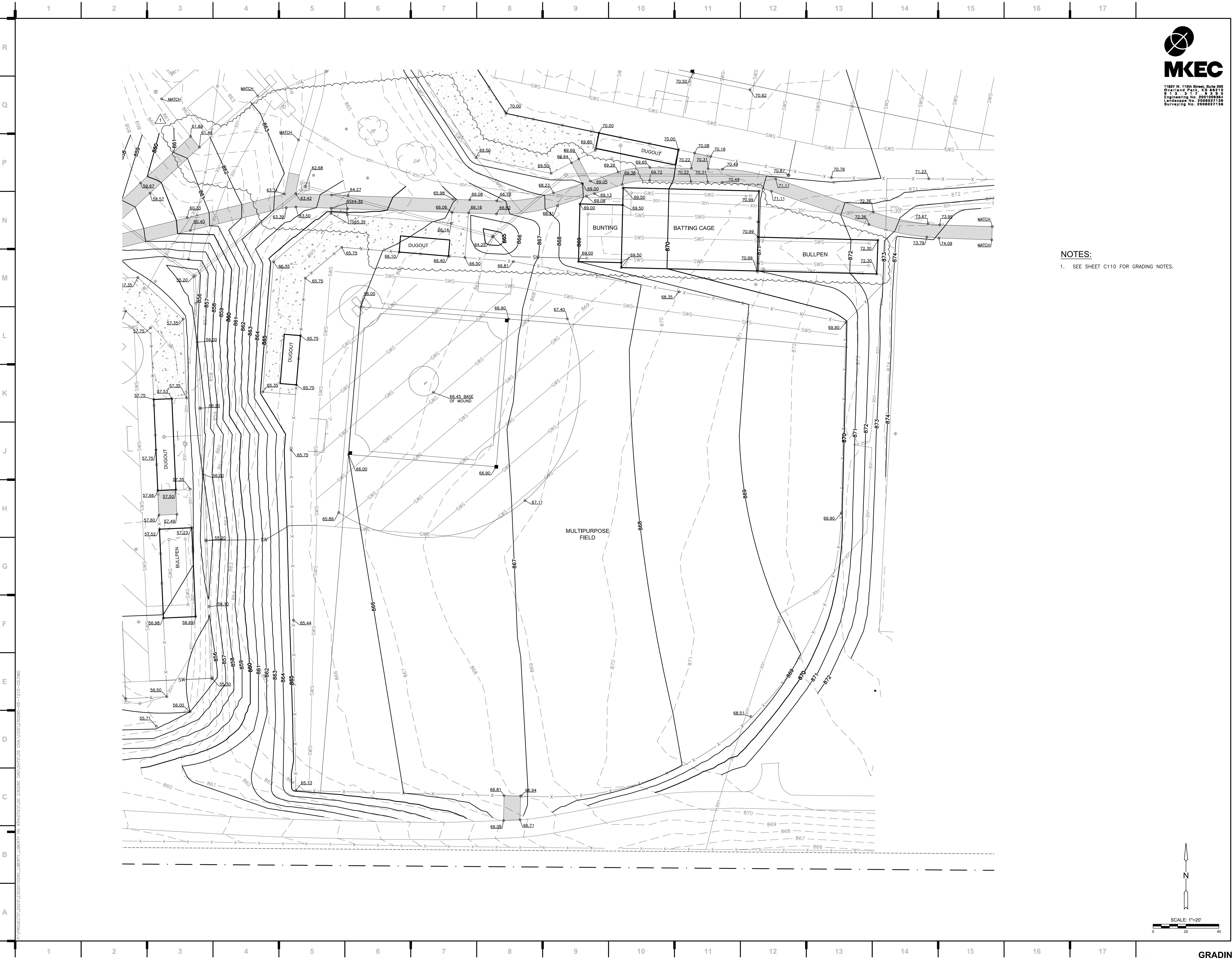


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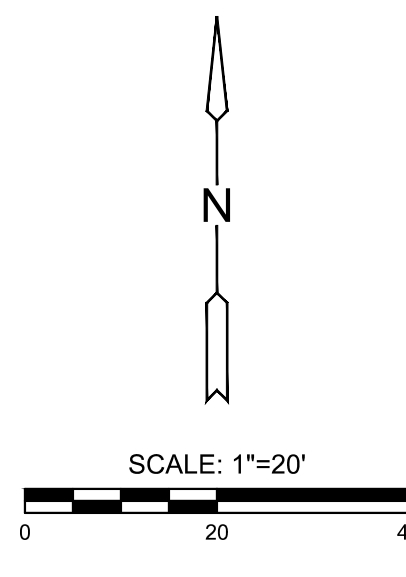
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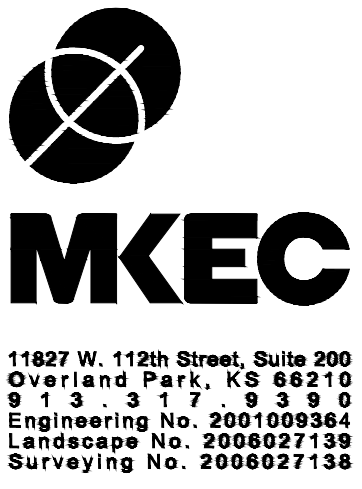
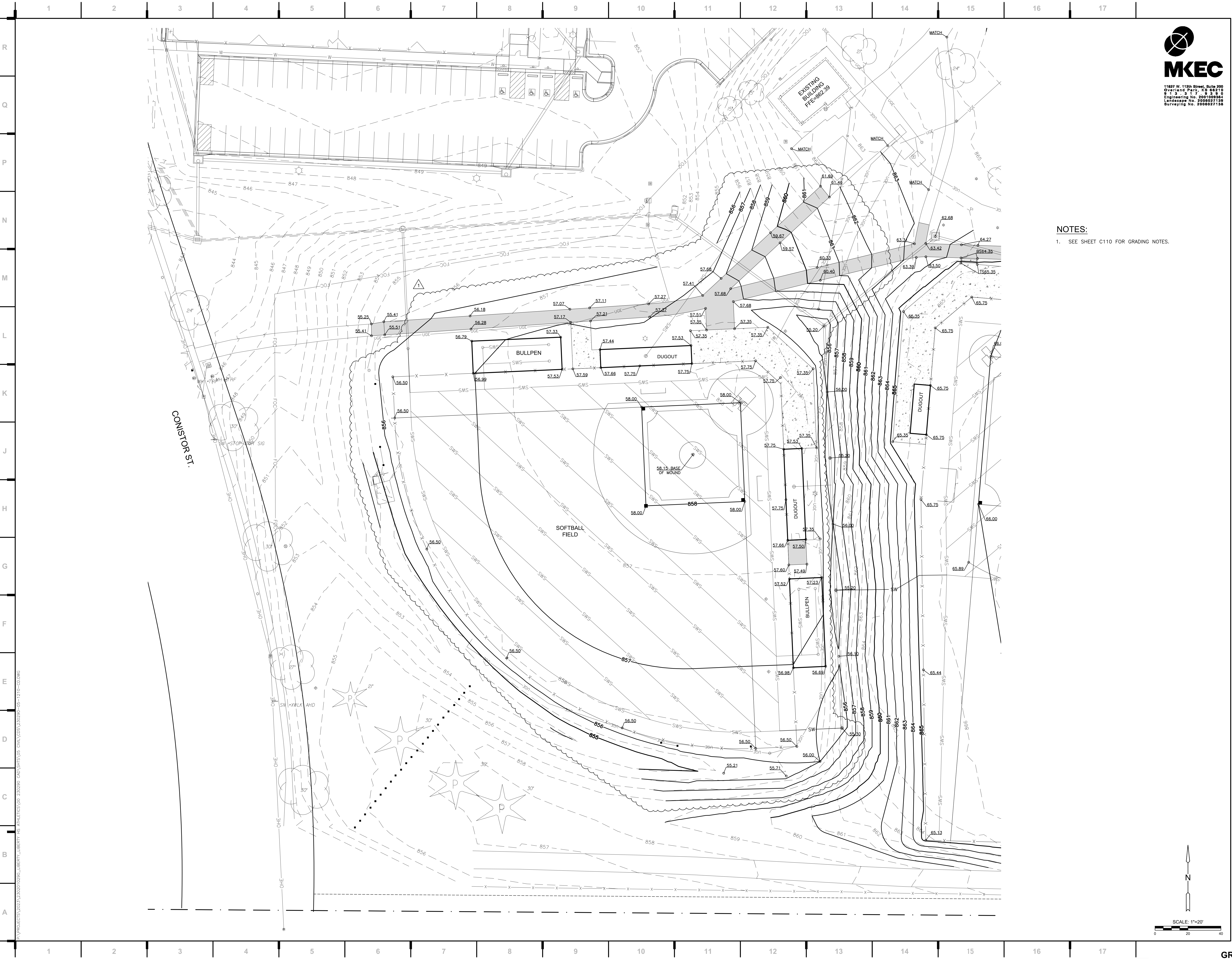


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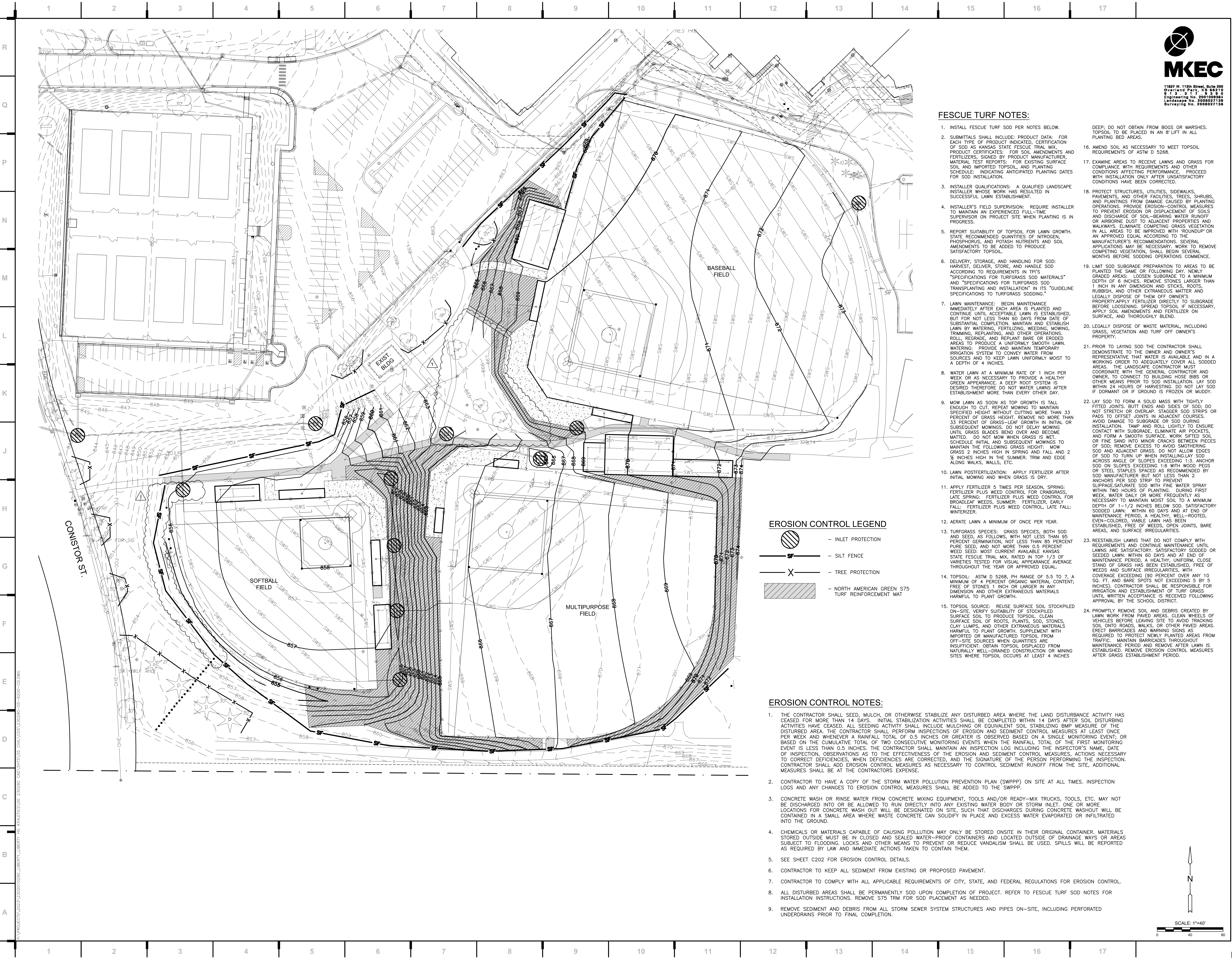
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FESCUE TURF NOTES:

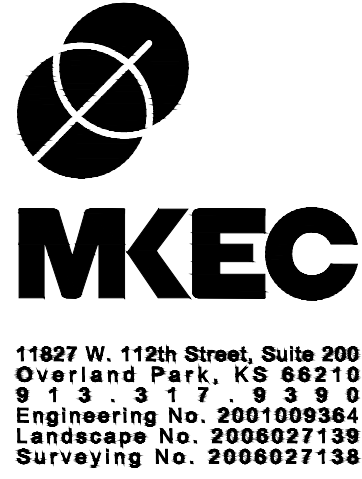
- INSTALL FESCUE TURF SOD PER NOTES BELOW.
- SUBMITTALS SHALL INCLUDE: PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED, CERTIFICATION OF SOD AS KANSAS STATE FESCUE TRIAL MIX, PRODUCT CERTIFICATES FOR SOIL AMENDMENTS AND FERTILIZERS, SIGNED BY PRODUCT MANUFACTURER, MATERIAL TEST REPORTS FOR EXISTING SURFACE SOIL AND IMPORTED TOPSOIL, AND PLANTING SCHEDULE INDICATING ANTICIPATED PLANTING DATES FOR SOD INSTALLATION.
- INSTALLER QUALIFICATIONS: A QUALIFIED LANDSCAPE INSTALLER WHOSE WORK HAS RESULTED IN SUCCESSFUL LAWN ESTABLISHMENT.
- INSTALLER'S FIELD SUPERVISION: REQUIRE INSTALLER TO MAINTAIN AN EXPERIENCED FULL-TIME SUPERVISOR ON PROJECT SITE WHEN PLANTING IS IN PROGRESS.
- REPORT SUITABILITY OF TOPSOIL FOR LAWN GROWTH. STATE RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND SOIL AMENDMENTS TO BE ADDED TO PRODUCE SATISFACTORY TOPSOIL.
- DELIVERY, STORAGE, AND HANDLING FOR SOD: HARVEST, DELIVER, STORE, AND HANDLE SOD ACCORDING TO REQUIREMENTS IN TPIS "SPECIFICATIONS FOR TURFGRASS SOD MATERIALS" AND "SPECIFICATIONS FOR TURFGRASS SOD TRANSPLANTING AND INSTALLATION" IN ITS "GUIDELINE SPECIFICATIONS TO TURFGRASS SODDING."
- LAWN MAINTENANCE: BEGIN MAINTENANCE IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL ACCEPTABLE LAWN IS ESTABLISHED, BUT FOR NOT LESS THAN 60 DAYS FROM DATE OF SUBSTANTIAL COMPLETION. MAINTAIN AND ESTABLISH LAWN BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, REPLANTING, AND OTHER OPERATIONS. AREAS TO PRODUCE A UNIFORM SMOOTH LAWN. WATERING: PROVIDE AND MAINTAIN TEMPORARY IRRIGATION SYSTEM TO CONVEY WATER FROM SOURCES AND TO KEEP LAWN UNIFORMLY MOIST TO A DEPTH OF 4 INCHES.
- WATER LAWN AT A MINIMUM RATE OF 1 INCH PER WEEK OR AS NECESSARY TO PROVIDE A HEALTHY GREEN APPEARANCE. A DEEP ROOT SYSTEM IS DESIRED THEREFORE DO NOT WATER LAWNS AFTER ESTABLISHMENT MORE THAN EVERY OTHER DAY.
- MOW LAWN AS SOON AS TOP GROWTH IS TALL ENOUGH TO CUT. REPEAT MOWING TO MAINTAIN SPECIFIED HEIGHT WITHOUT CUTTING MORE THAN 33 PERCENT OF GRASS HEIGHT. REMOVE NO MORE THAN 33 PERCENT OF GRASS-LEAF GROWTH IN INITIAL OR SUBSEQUENT MOWINGS. DO NOT DELAY MOWING UNTIL GRASS BLADES BEND OVER AND BECOME MATTED. DO NOT MOW WHEN GRASS IS WET. SCHEDULE INITIAL AND SUBSEQUENT MOWINGS TO MAINTAIN THE FOLLOWING GRASS HEIGHT: MOW GRASS 2 INCHES HIGH IN SPRING AND FALL AND 2 1/2 INCHES HIGH IN THE SUMMER. TRIM AND EDGE ALONG WALKS, WALLS, ETC.
- LAWN POSTFERTILIZATION: APPLY FERTILIZER AFTER INITIAL MOWING AND WHEN GRASS IS DRY.
- APPLY FERTILIZER 5 TIMES PER SEASON, SPRING: FERTILIZER PLUS WEED CONTROL FOR CRABGRASS, LATE SPRING: FERTILIZER PLUS WEED CONTROL FOR BROADLEAF WEEDS, SUMMER: FERTILIZER PLUS WEED CONTROL, LATE FALL: FERTILIZER PLUS WEED CONTROL, WINTERIZER.
- AERATE LAWN A MINIMUM OF ONCE PER YEAR.
- TURFGRASS SPECIES: GRASS SPECIES, BOTH SOD AND SEED, AS FOLLOWS, WITH NOT LESS THAN 95 PERCENT GERMINATION, NOT LESS THAN 85 PERCENT PURE SEED, AND NOT MORE THAN 0.5 PERCENT WEED SEED: MOST CURRENT AVAILABLE KANSAS STATE FESCUE TRIAL MIX, RATED IN TOP 1/3 OF VARIETIES TESTED FOR VISUAL APPEARANCE AVERAGE THROUGHOUT THE YEAR OR APPROVED EQUAL.
- TOPSOIL: ASTM D 5268, PH RANGE OF 5.5 TO 7, A MINIMUM OF 4 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND ESTABLISHMENT OF TURF GRASS HARMFUL TO PLANT GROWTH.
- TOPSOIL SOURCE: REUSE SURFACE SOIL STOCKPILED ON-SITE. VERIFY SUITABILITY OF STOCKPILED SURFACE SOIL TO PRODUCE TOPSOIL. CLEAN SURFACE SOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF-SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED CONDUCTION OR MINING SITES WHERE TOPSOIL OCCURS AT LEAST 4 INCHES
- DEEP: DO NOT OBTAIN FROM BOGS OR MARSHES. TOPSOIL TO BE PLACED IN AN 8" LIFT IN ALL PLANTING BED AREAS.
- AMEND SOIL AS NECESSARY TO MEET TOPSOIL REQUIREMENTS OF ASTM D 5268.
- EXAMINE AREAS TO RECEIVE LAWNS AND GRASS FOR COMPLIANCE WITH REQUIREMENTS AND OTHER CONDITIONS AFFECTING PERFORMANCE. IF PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, TREES, SHRUBS, AND PLANTINGS FROM DAMAGE CAUSED BY PLANTING OPERATIONS. PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS. ELIMINATE COMPETING GRASS VEGETATION IN ALL AREAS TO BE IMPROVED WITH "ROUNDUP" OR AN APPROVED EQUAL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. SEVERAL APPLICATIONS MAY BE NECESSARY. WORK TO REMOVE COMPETING VEGETATION, SHALL BEGIN SEVERAL MONTHS BEFORE SODDING OPERATIONS COMMENCE.
- LIMIT SOD SUBGRADE PREPARATION TO AREAS TO BE PLANTED THE SAME OR FOLLOWING DAY. NEWLY GRADED AREAS: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY. APPLY FERTILIZER DIRECTLY TO SUBGRADE BEFORE LOOSENING. SPREAD TOPSOIL IF NECESSARY, APPLY SOIL AMENDMENTS AND FERTILIZER ON SURFACE, AND THOROUGHLY BLEND.
- LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION AND TURF OFF OWNER'S PROPERTY.
- PRIOR TO LAYING SOD THE CONTRACTOR SHALL DEMONSTRATE TO THE OWNER AND OWNER'S REPRESENTATIVE THAT WATER IS AVAILABLE AND IN A WORKING ORDER TO ADEQUATELY COVER ALL SODDED AREAS. THE LANDSCAPE CONTRACTOR MUST COORDINATE WITH THE GENERAL CONTRACTOR AND OWNER, TO CONNECT TO BUILDING HOSE BIBS OR OTHER MEANS PRIOR TO SOD INSTALLATION. LAY SOD WITHIN 24 HOURS OF HARVESTING. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN OR MUDDY.
- LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD; DO NOT STRETCH OR OVERLAP. STAGGER SOD STRIPS OR PADS TO OFFSET JOINTS IN ADJACENT COURSES. AVOID DAMAGE TO SUBGRADE OR SOD DURING INSTALLATION. TAMP AND ROLL LIGHTLY TO ENSURE CONTACT WITH SUBGRADE. ELIMINATE AIR POCKETS, AND FORM A SMOOTH SURFACE. WORK SIFTED SOIL OR FINE SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVE EXCESS TO AVOID SMOTHERING SOD AND ADJACENT GRASS. DO NOT ALLOW EDGES OF SOD TO TURN UP WHEN INSTALLING LAY SOD ACROSS ANGLE OF SLOPES EXCEEDING 1:3. ANCHOR SOD ON SLOPES EXCEEDING 1:6 WITH WOOD PEGS OR STEEL STAPLES SPACED AS RECOMMENDED BY SOD MANUFACTURER BUT NOT LESS THAN 2 ANCHORS PER SOD STRIP TO PREVENT SUPPLAGE-SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF 1-1/2 INCHES BELOW SOD. SATISFACTORY SODDED LAWN: WITHIN 60 DAYS AND AT END OF MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIABLE LAWN HAS BEEN ESTABLISHED, FREE OF WEEDS, OPEN JOINTS, BARE AREAS, AND SURFACE IRREGULARITIES.
- REESTABLISH LAWNS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY. SATISFACTORY SODDED OR SEEDED LAWN: WITHIN 60 DAYS AND AT END OF MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 80 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 5 BY 5 INCHES). CONTRACTOR SHALL BE RESPONSIBLE FOR IRRIGATION AND ESTABLISHMENT OF TURF GRASS UNTIL WRITTEN ACCEPTANCE IS RECEIVED FOLLOWING APPROVAL BY THE SCHOOL DISTRICT.
- PROMPTLY REMOVE SOIL AND DEBRIS CREATED BY LAWN WORK FROM PAVED AREAS, CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING OF SOIL ONTO ROADS, WALKS, OR OTHER PAVED AREAS. ERECT BARRICADES AND WARNING SIGNS AS REQUIRED TO PROTECT NEWLY PLANTED AREAS FROM TRAFFIC. MAINTAIN BARRICADES THROUGHOUT MAINTENANCE PERIOD AND REMOVE AFTER LAWN IS ESTABLISHED. REMOVE EROSION CONTROL MEASURES AFTER GRASS ESTABLISHMENT PERIOD.

EROSION CONTROL LEGEND

- INLET PROTECTION
- SILT FENCE
- TREE PROTECTION
- NORTH AMERICAN GREEN S75 TURF REINFORCEMENT MAT

EROSION CONTROL NOTES:

- THE CONTRACTOR SHALL SEED, MULCH, OR OTHERWISE STABILIZE ANY DISTURBED AREA WHERE THE LAND DISTURBANCE ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS. INITIAL STABILIZATION ACTIVITIES SHALL BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES HAVE CEASED. ALL SEEDING ACTIVITY SHALL INCLUDE MULCHING OR EQUIVALENT SOIL STABILIZING BMP MEASURE OF THE DISTURBED AREA. THE CONTRACTOR SHALL PERFORM INSPECTIONS OF EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE PER WEEK AND WHENEVER A RAINFALL TOTAL OF 0.5 INCHES OR GREATER IS OBSERVED BASED ON A SINGLE MONITORING EVENT; OR BASED ON THE CUMULATIVE TOTAL OF TWO CONSECUTIVE MONITORING EVENTS WHEN THE RAINFALL TOTAL OF THE FIRST MONITORING EVENT IS LESS THAN 0.5 INCHES. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG INCLUDING THE INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS AS TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL MEASURES, ACTIONS NECESSARY TO CORRECT DEFICIENCIES, WHEN DEFICIENCIES ARE CORRECTED, AND THE SIGNATURE OF THE PERSON PERFORMING THE INSPECTION. CONTRACTOR SHALL ADD EROSION CONTROL MEASURES AS NECESSARY TO CONTROL SEDIMENT RUNOFF FROM THE SITE, ADDITIONAL MEASURES SHALL BE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO HAVE A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE AT ALL TIMES. INSPECTION LOGS AND ANY CHANGES TO EROSION CONTROL MEASURES SHALL BE ADDED TO THE SWPPP.
- CONCRETE WASH OR RINSE WATER FROM CONCRETE MIXING EQUIPMENT, TOOLS AND/OR READY-MIX TRUCKS, TOOLS, ETC. MAY NOT BE DISCHARGED INTO OR BE ALLOWED TO RUN DIRECTLY INTO ANY EXISTING WATER BODY OR STORM INLET. ONE OR MORE LOCATIONS FOR CONCRETE WASH OUT WILL BE DESIGNATED ON SITE, SUCH THAT DISCHARGES DURING CONCRETE WASHOUT WILL BE CONTAINED IN A SMALL AREA WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER EVAPORATED OR INFILTRATED INTO THE GROUND.
- CHEMICALS OR MATERIALS CAPABLE OF CAUSING POLLUTION MAY ONLY BE STORED ONSITE IN THEIR ORIGINAL CONTAINER. MATERIALS STORED OUTSIDE MUST BE IN CLOSED AND SEALED WATER-PROOF CONTAINERS AND LOCATED OUTSIDE OF DRAINAGE WAYS OR AREAS SUBJECT TO FLOODING. LOCKS AND OTHER MEANS TO PREVENT OR REDUCE VANDALISM SHALL BE USED. SPILLS WILL BE REPORTED AS REQUIRED BY LAW AND IMMEDIATE ACTIONS TAKEN TO CONTAIN THEM.
- SEE SHEET C202 FOR EROSION CONTROL DETAILS.
- CONTRACTOR TO KEEP ALL SEDIMENT FROM EXISTING OR PROPOSED PAVEMENT.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CITY, STATE, AND FEDERAL REGULATIONS FOR EROSION CONTROL.
- ALL DISTURBED AREAS SHALL BE PERMANENTLY SOD UPON COMPLETION OF PROJECT. REFER TO FESCUE TURF SOD NOTES FOR INSTALLATION INSTRUCTIONS. REMOVE S75 TRM FOR SOD PLACEMENT AS NEEDED.
- REMOVE SEDIMENT AND DEBRIS FROM ALL STORM SEWER SYSTEM STRUCTURES AND PIPES ON-SITE, INCLUDING PERFORATED UNDERDRAINS PRIOR TO FINAL COMPLETION.



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Civil Engineering / Landscape Architecture
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913.317.5335 phone

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Olathe, Johnson County, KS 66061
913.345.2127 phone

LHS Baseball & Softball Upgrades
Liberty Public Schools 93

200 Blue Jay Drive
Liberty, MO 64068

REVISONS:

#	Description	Date
1	Addendum No. 2	07.24.2023

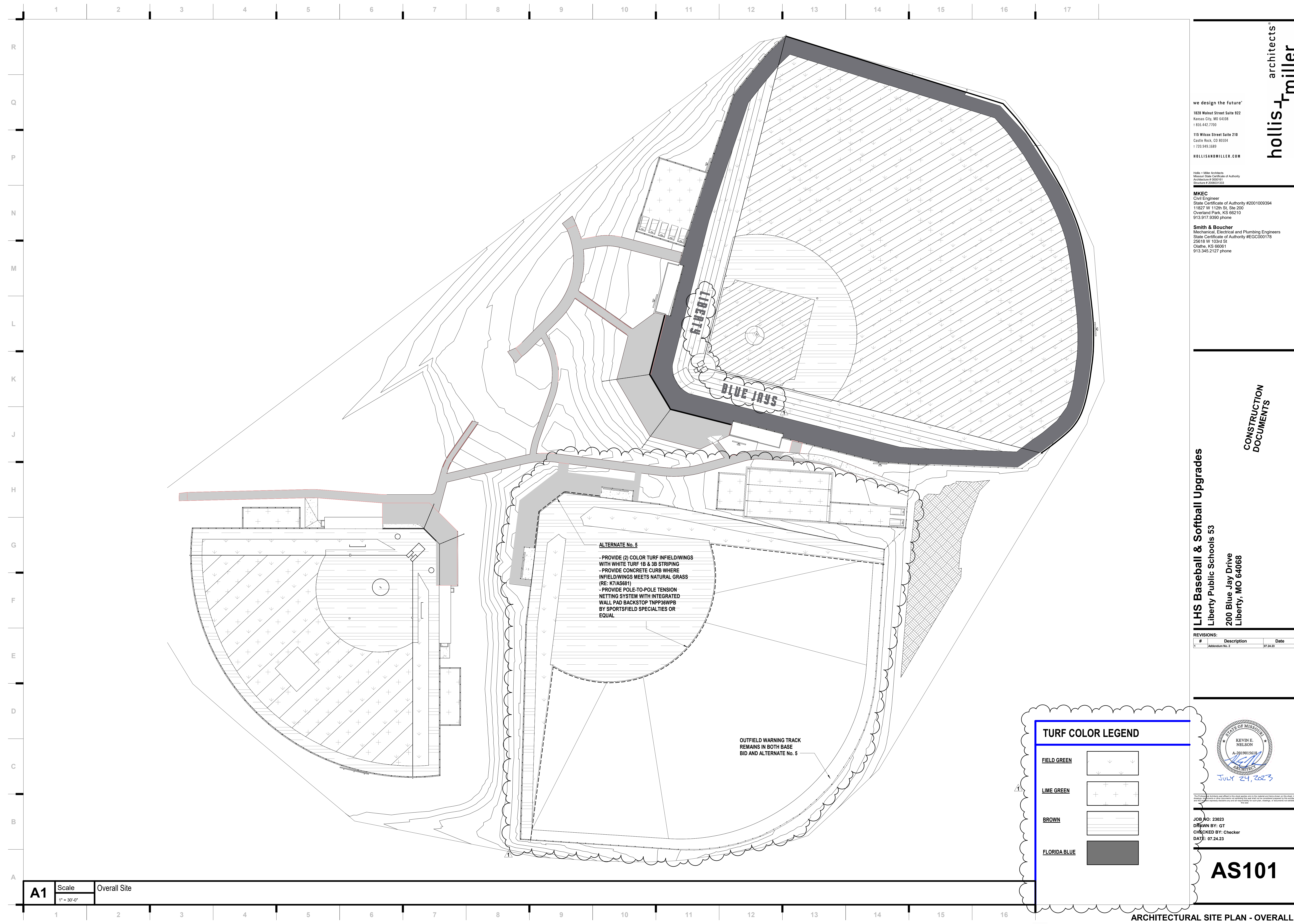


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C114

EROSION CONTROL PLAN

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Liberty Public Schools 53
200 Blue Jay Drive
Liberty, MO 64068

CONSTRUCTION DOCUMENTS

REVISIONS:

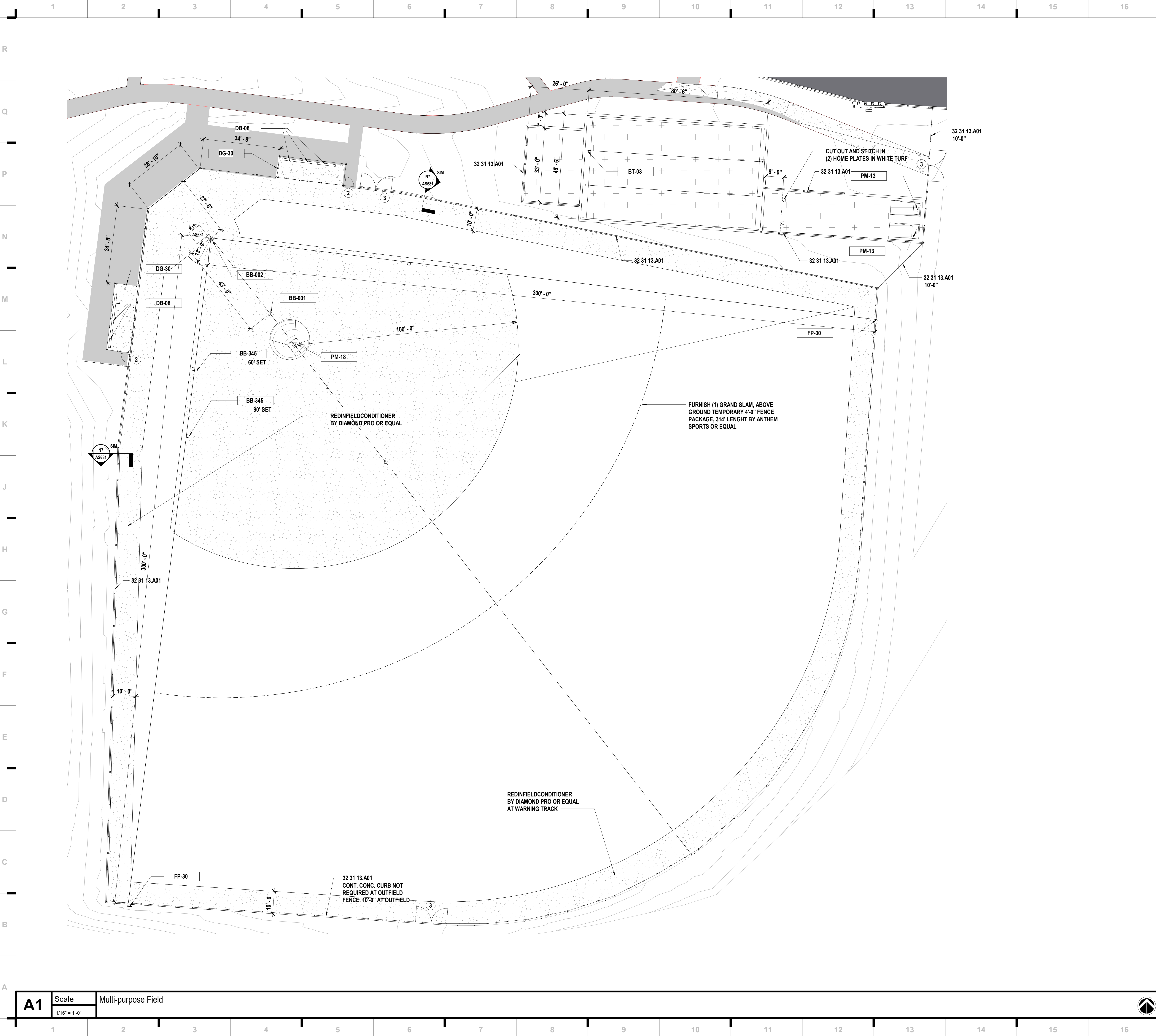
#	Description	Date
1	Addendum No. 2	07.24.23

STATE OF MISSOURI
KEVIN E. NELSON
A-2019015618
JULY 24, 2023

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DATE: 07.24.23

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A1 Scale Multi-purpose Field
1/16" = 1'-0"

SHEET KEYNOTE LEGEND

32 31 13.A01 CHAIN LINK FENCING

SITE - GENERAL NOTES

- REFER TO SHEET AS881 FOR EQUIPMENT SCHEDULE.
- ALL CHAINLINK FENCE TO BE 8'-0" IN HEIGHT UNLESS NOTED OTHERWISE.
- EXISTING FENCING POLES TO REMAIN SHALL BE PREPPED WITH ACRYLIC METAL PRIMER FOR GALVANIZED SURFACES PRIOR TO PAINTING.
- BASE PATHS, FOUL LINES, BATTERS BOXES, COACHES BOXES AND ALL OTHER FIELD STRIPING TO BE STITCHED IN WHITE TURF.
- INSTALLER RESPONSIBLE FOR MEETING ALL FIELD OF PLAY GUIDELINES AS ADOPTED BY MSHSAA AND NFHS

SITE - KEYED NOTES

- EXISTING PORTION OF FENCING TO REMAIN, AND ALL ASSOCIATED CONDUIT/SOUND SYSTEM COMPONENTS. PAINT FENCE POSTS BLACK. INSTALL BLACK PVC COATED CHAINLINK TO EXISTING POSTS. HEIGHTS VARY. VERIFY IN FIELD
- 4'-0" PASS THROUGH GATE
- 14'-0" ACCESS GATE

TURF COLOR LEGEND

FIELD GREEN	
LIME GREEN	
BROWN	
FLORIDA BLUE	

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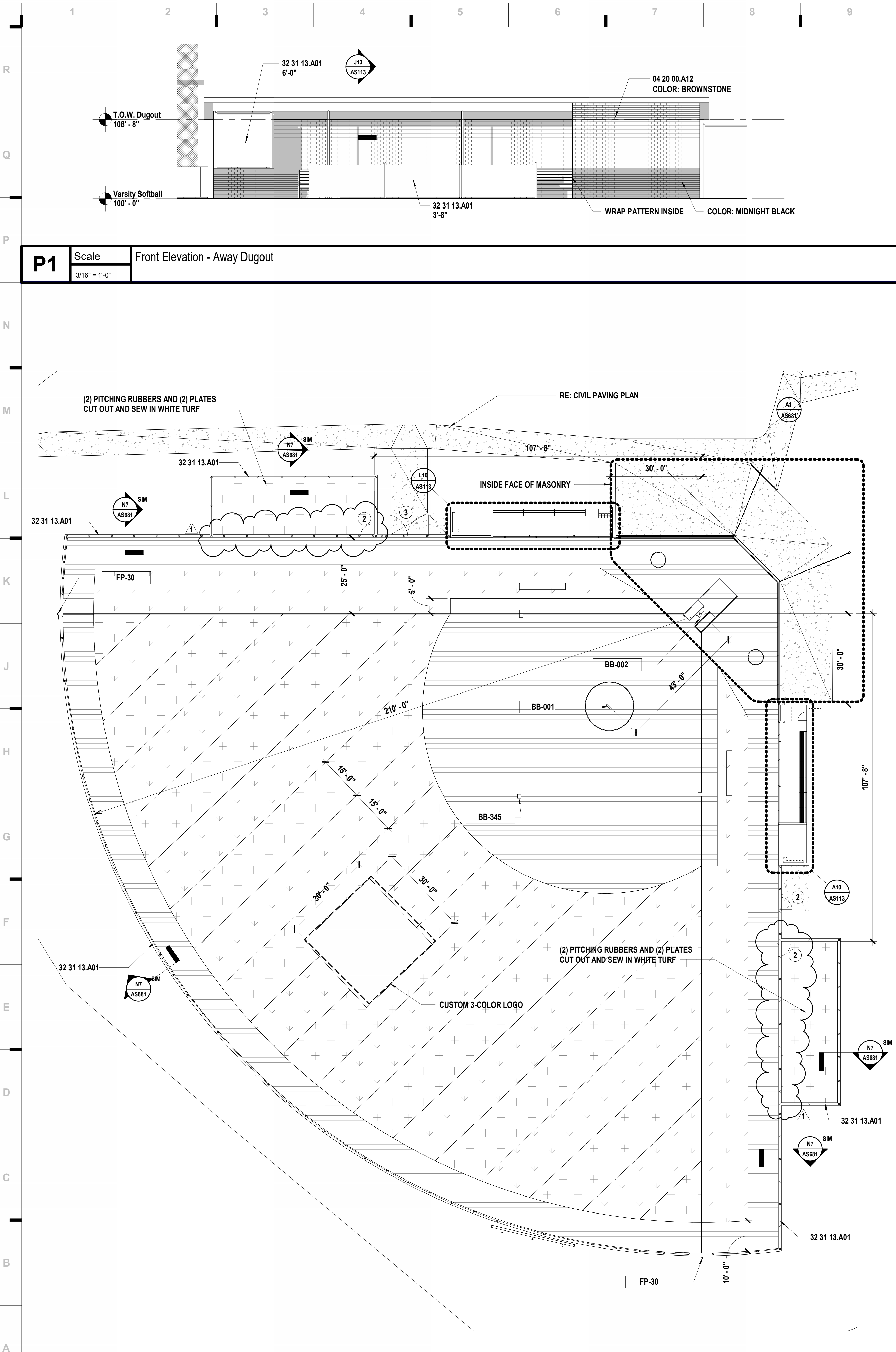
This Professional Engineer's seal and signature are placed on this sheet as evidence of the engineer's review of the work. All drawings, calculations and other documents submitted to the state shall be the property of the engineer. The engineer shall not be held responsible for any errors or omissions on any and all drawings, calculations or documents not submitted to the state.

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AS112

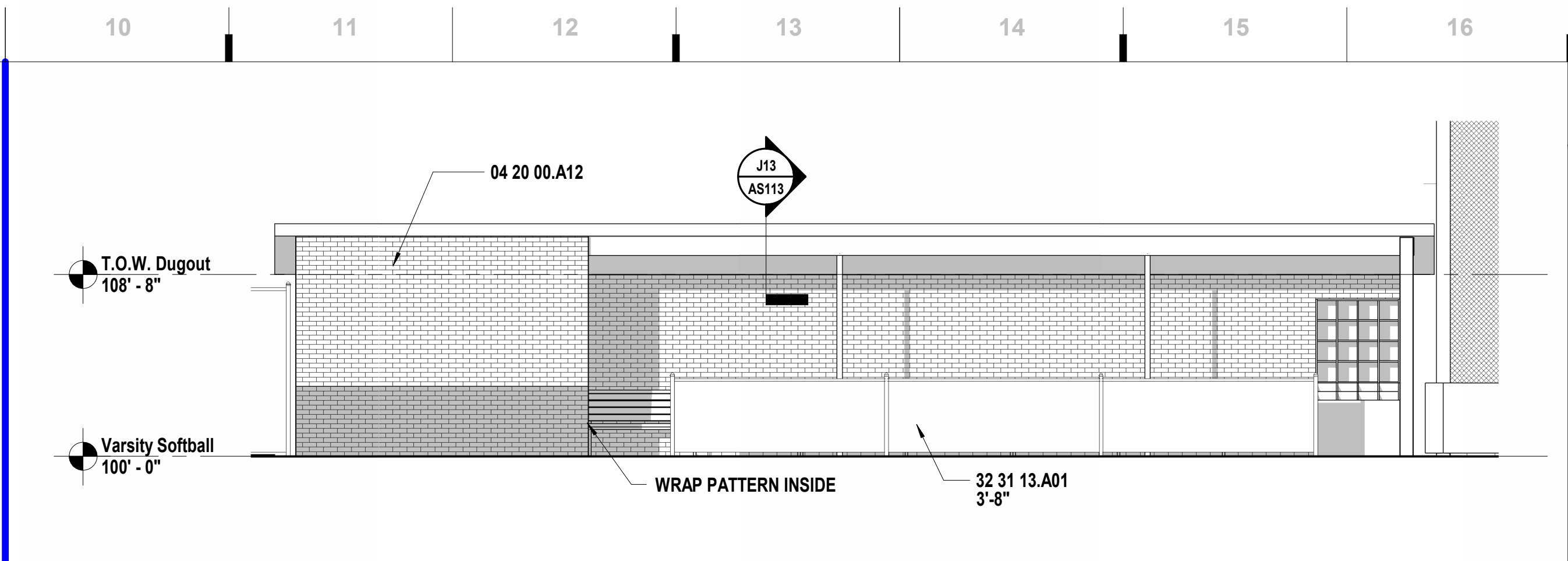
SITE PLAN - MULTI-PUROPOSE FIELD

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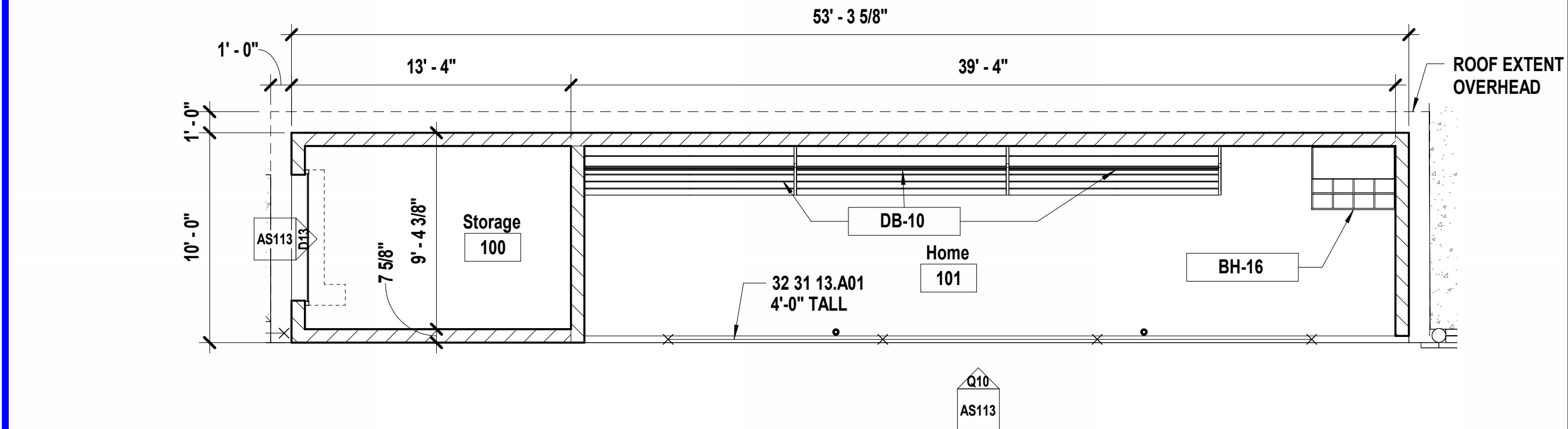


A1 Scale 1/16" = 1'-0" Varsity Softball

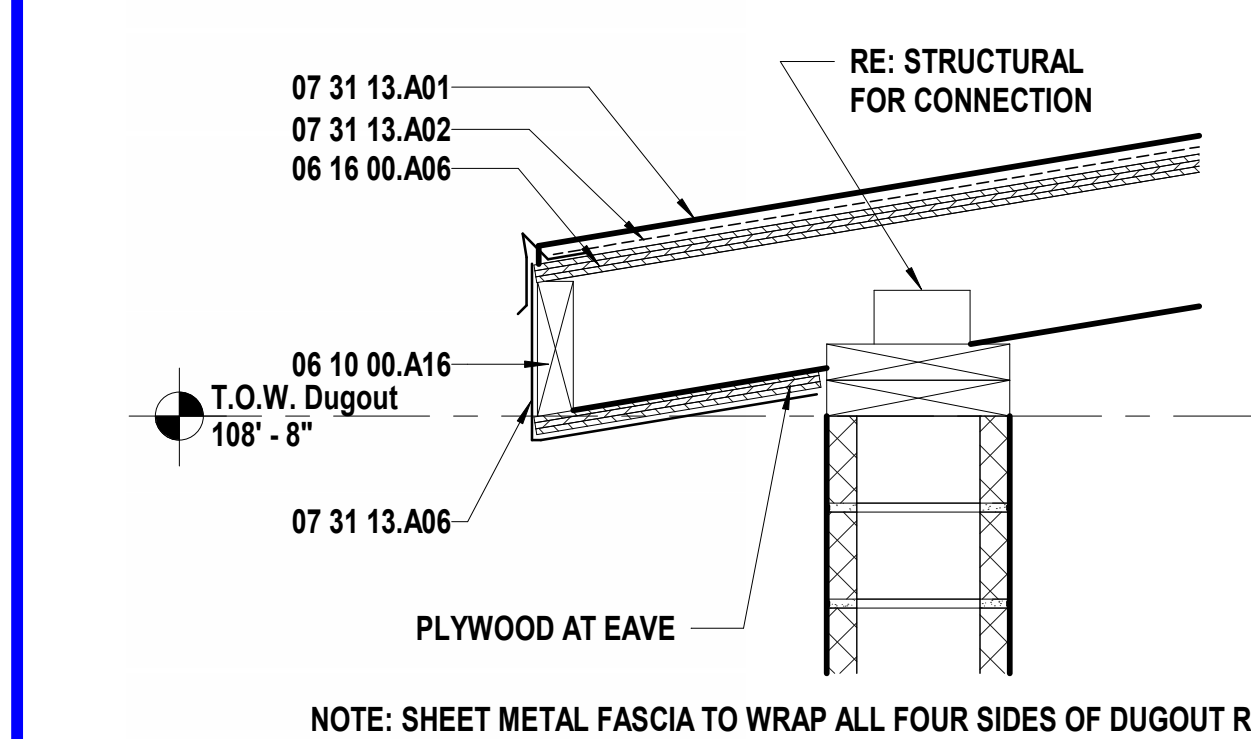
A10 Scale 3/16" = 1'-0" Enlarged Dugout Plan - Away



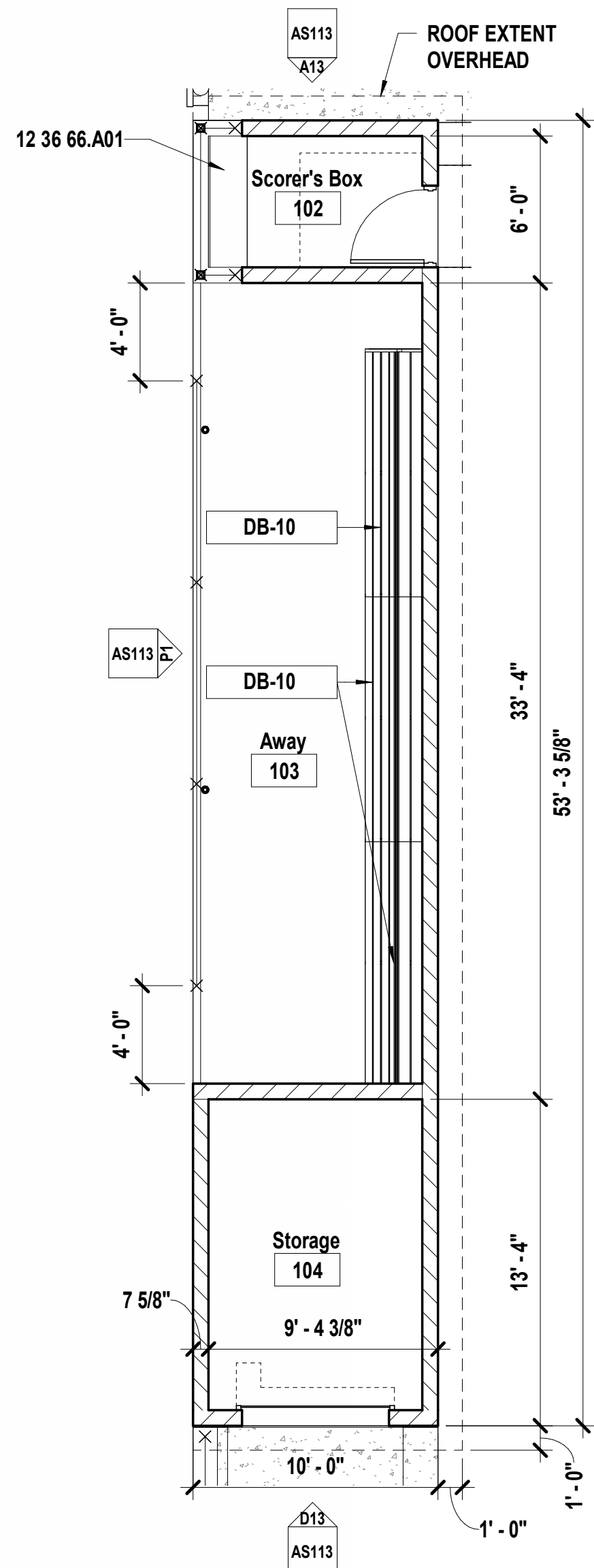
Q10 Scale 3/16" = 1'-0" Front Elevation - Home Dugout



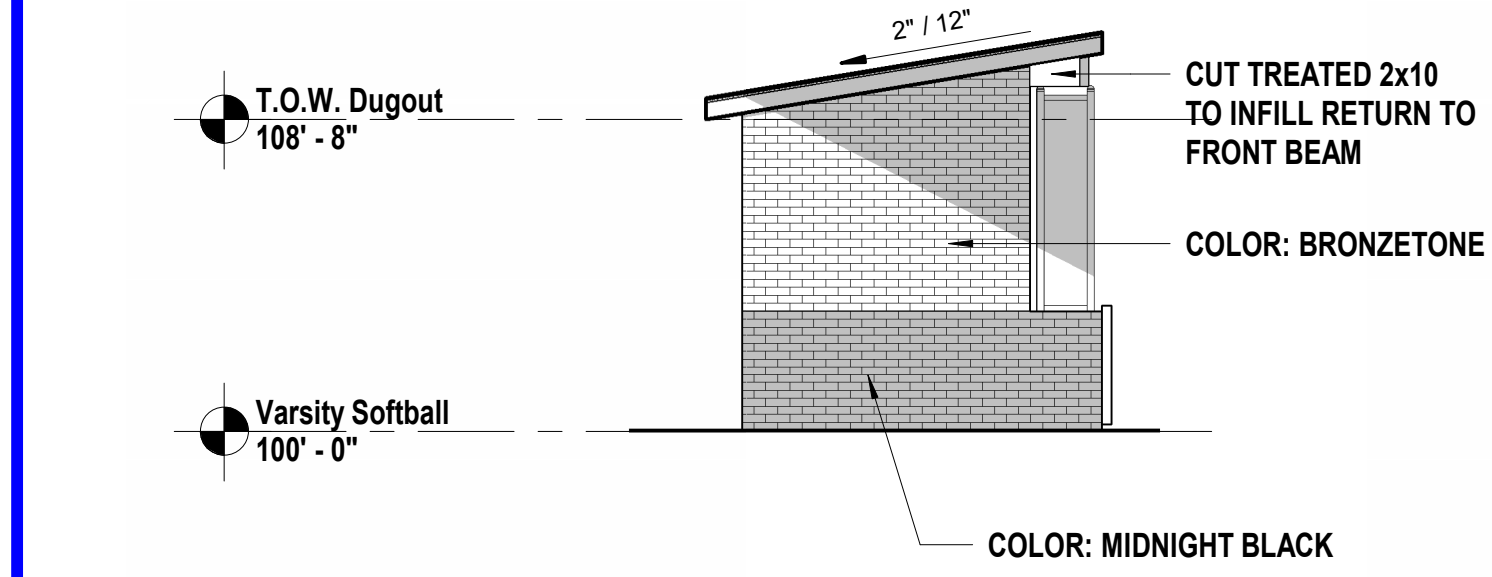
L10 Scale 3/16" = 1'-0" Enlarged Dugout Plan - Home



J13 Scale 1 1/2" = 1'-0" Roof Composition @ Dugout



D13 Scale 3/16" = 1'-0" Typical Storage End Elevation



A13 Scale 3/16" = 1'-0" Scorer's Box Elevation - Away Dugout

SHEET KEYNOTE LEGEND

04 20 00.A12	FACE BRICK
06 10 00.A16	FIRE-RETARDANT TREATED WOOD BLOCKING & NAILERS
06 16 00.A06	ROOF SHEATHING
07 31 13.A01	ASPHALT SHINGLES
07 31 13.A02	FELT UNDERLAYMENT
07 31 13.A03	METAL FLASHING/TRIM
12 36 66.A01	SOLID SURFACE COUNTERTOP
32 31 13.A01	CHAIN LINK FENCING

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CONSTRUCTION
DOCUMENTS

LHS Baseball & Softball Upgrades
Liberty Public Schools 53
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Liberty, MO 64068

SITE - GENERAL NOTES

- REFER TO SHEET AS681 FOR EQUIPMENT SCHEDULE.
- ALL CHAINLINK FENCE TO BE 8'-0" IN HEIGHT UNLESS NOTED OTHERWISE.
- EXISTING FENCING POLES TO REMAIN SHALL BE PREPPED WITH ACRYLIC METAL PRIMER FOR GALVANIZED SURFACES PRIOR TO PAINTING.
- BASE PATHS, FOUL LINES, BATTERS BOXES, COACHES BOXES AND ALL OTHER FIELD STRIPING TO BE STITCHED IN WHITE TURF.
- INSTALLER RESPONSIBLE FOR MEETING ALL FIELD OF PLAY GUIDELINES AS ADOPTED BY MSHSAA AND NFHS

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- 4'-0" PASS THROUGH GATE
- 14'-0" ACCESS GATE

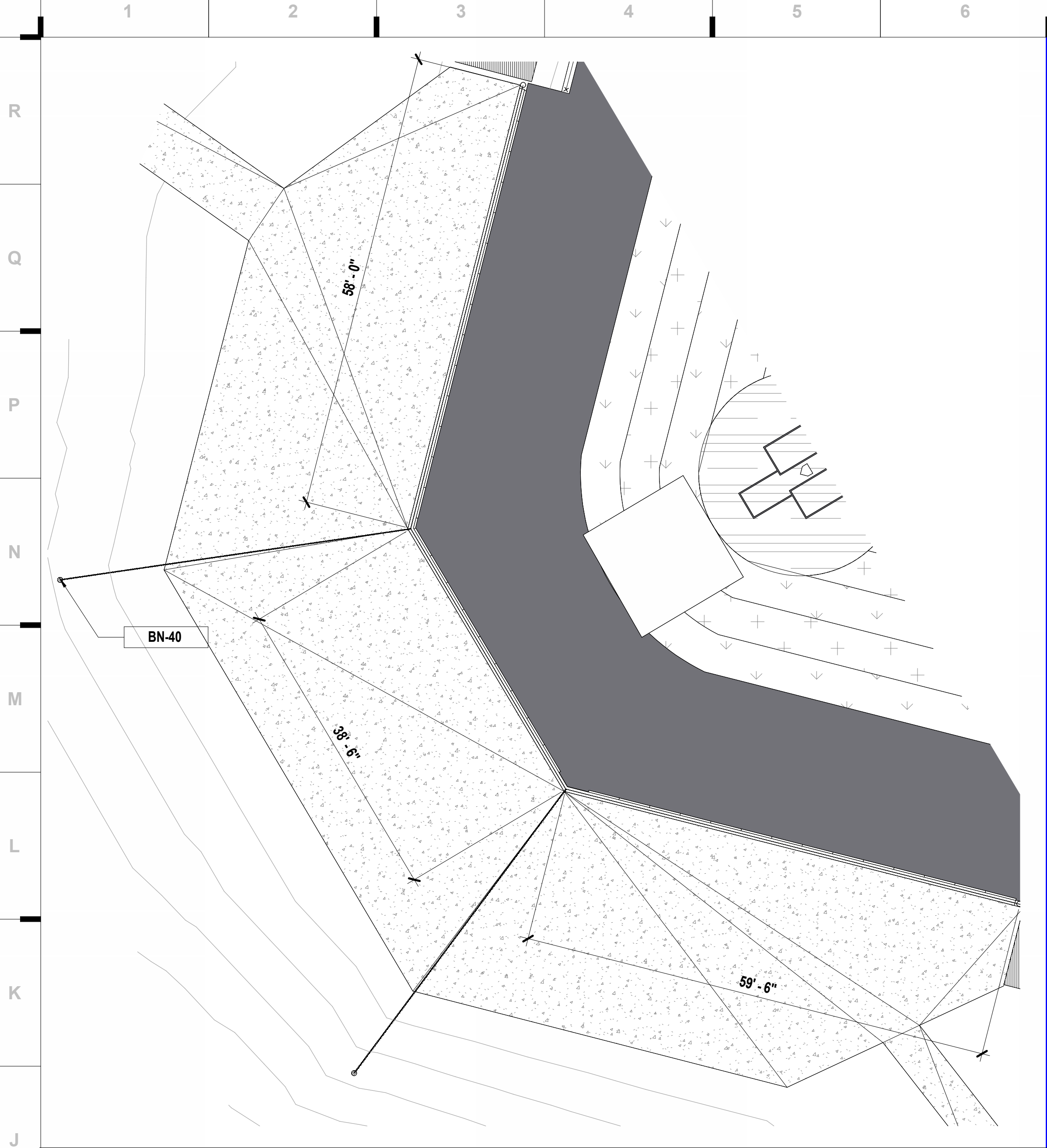
TURF COLOR LEGEND

FIELD GREEN	
LIME GREEN	
BROWN	
FLORIDA BLUE	

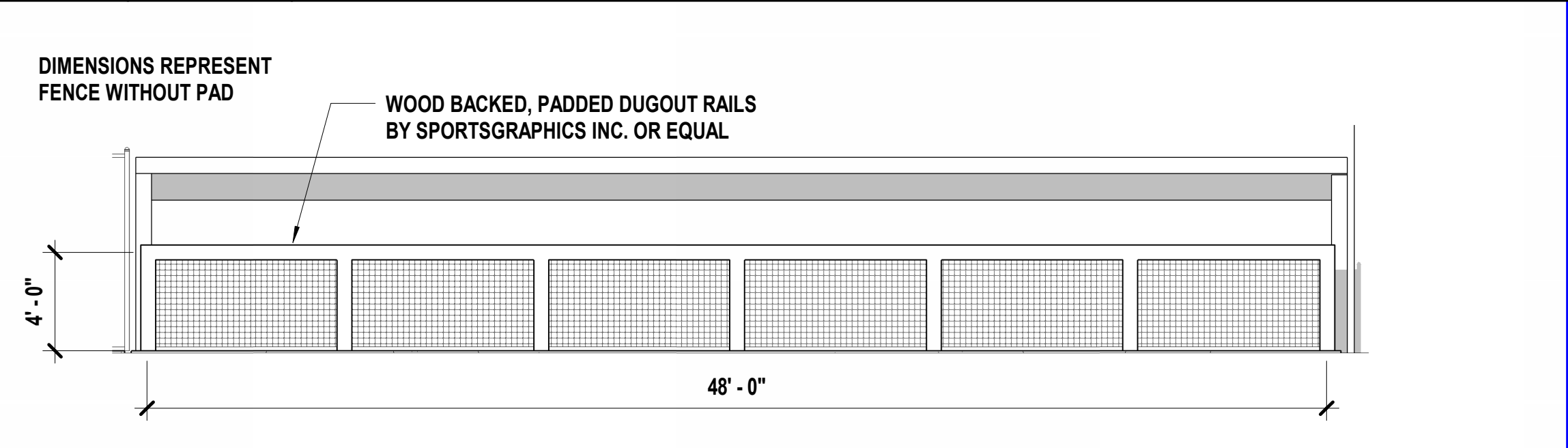


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DATE: 07.24.23

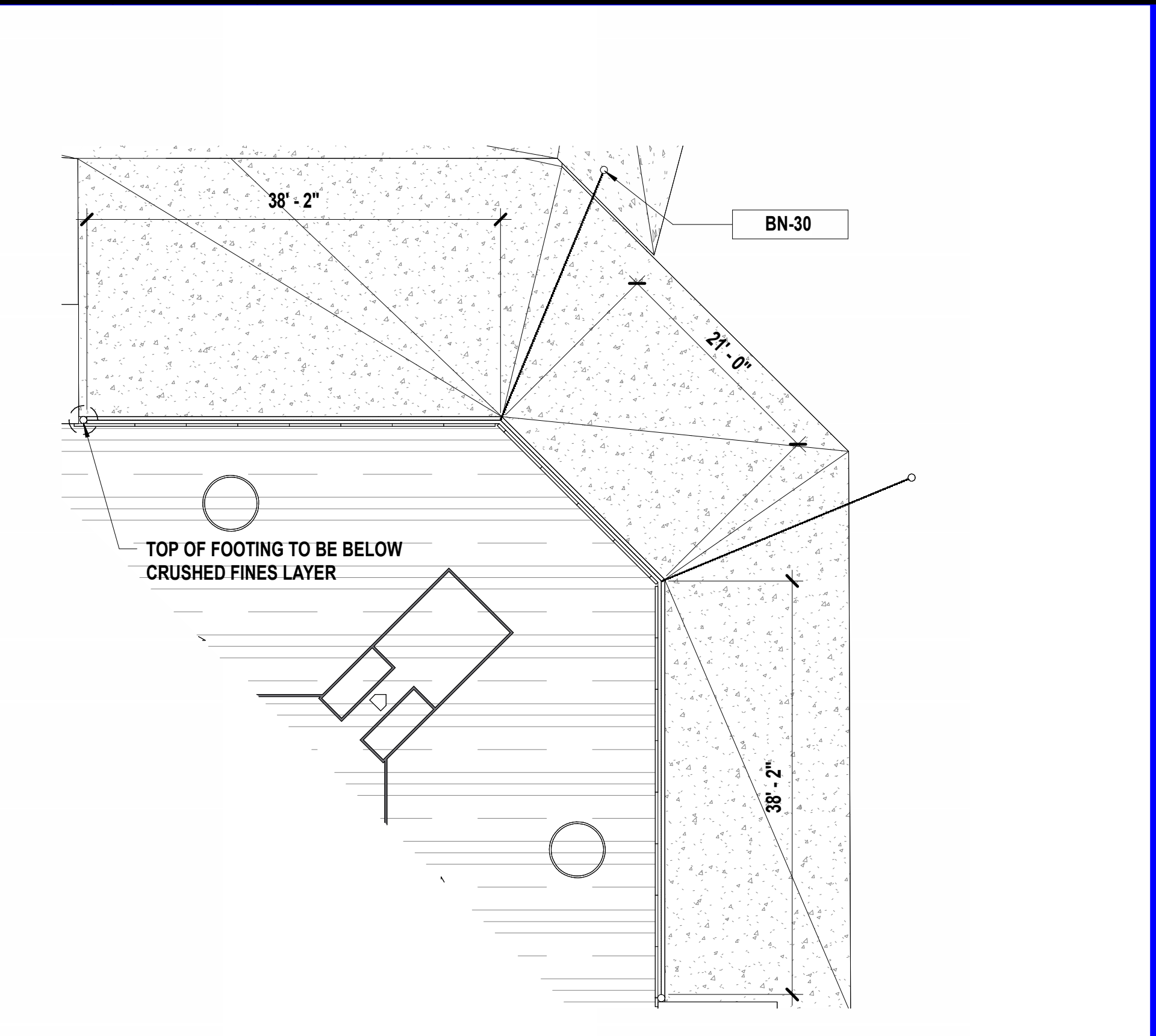
AS113



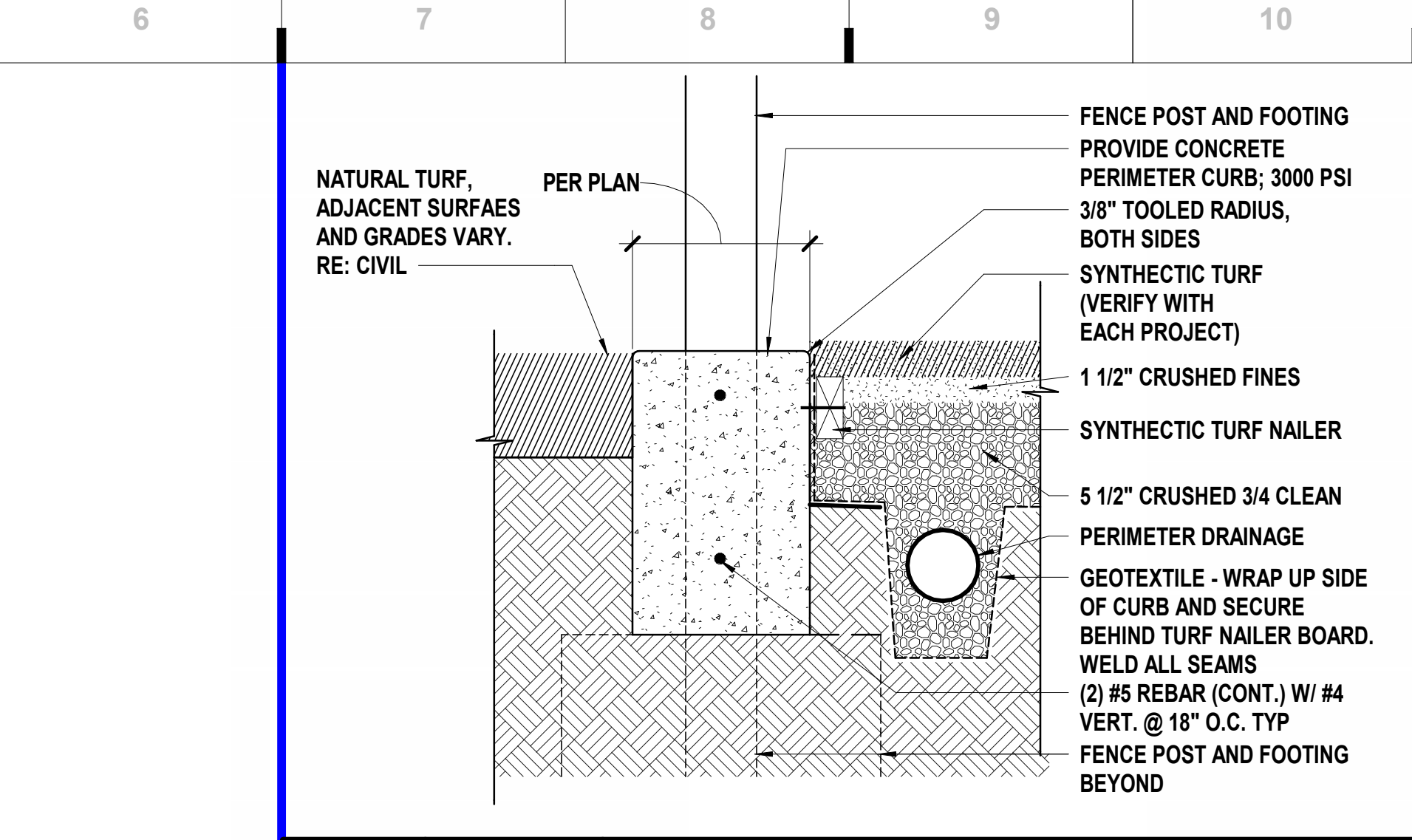
J1 Scale 3/32" = 1'-0" Enlarged Plan - 40' Netted Backstop @ Baseball



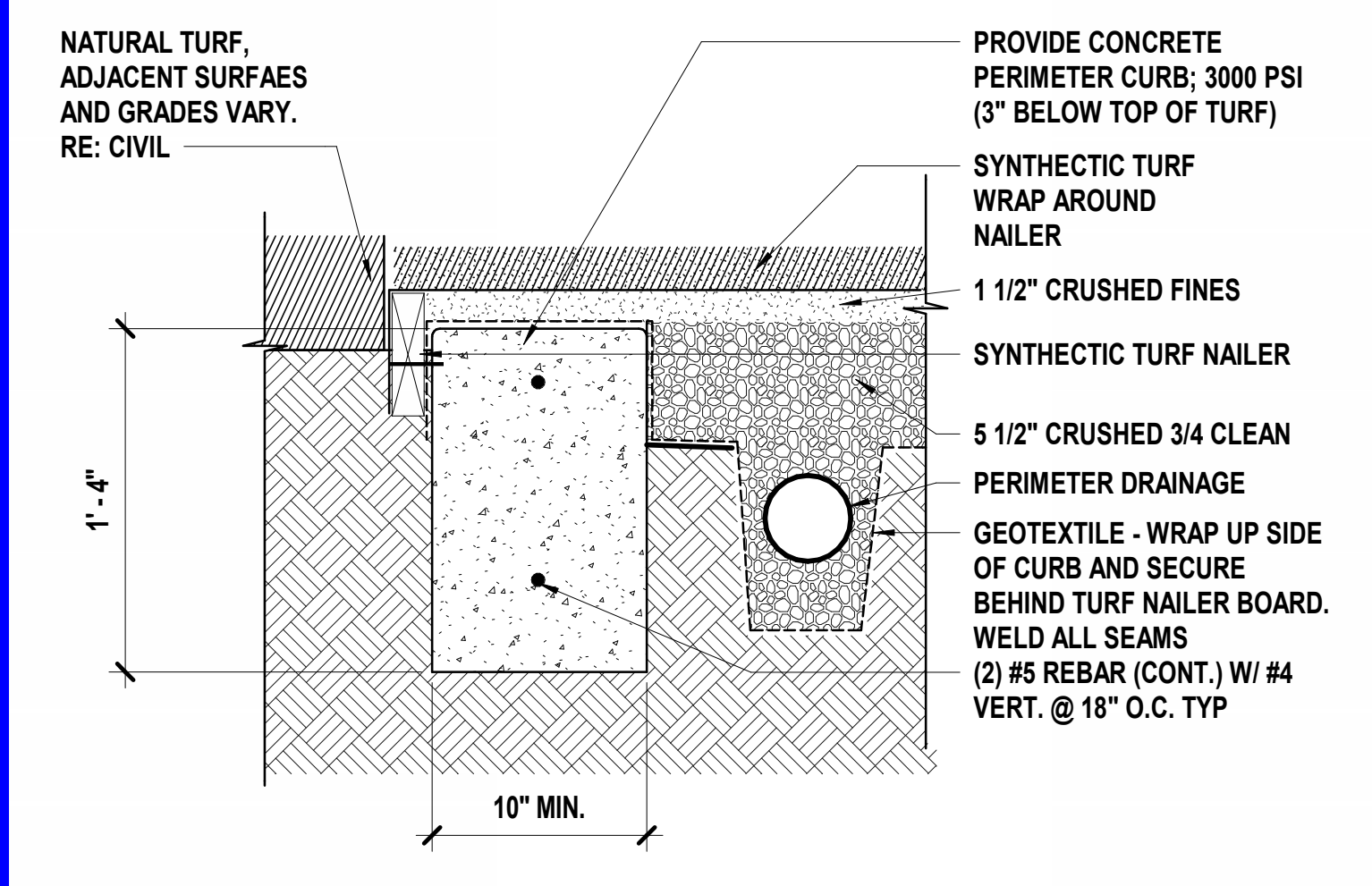
F1 Scale 3/16" = 1'-0" Elevation - Padded Fence at Dugout



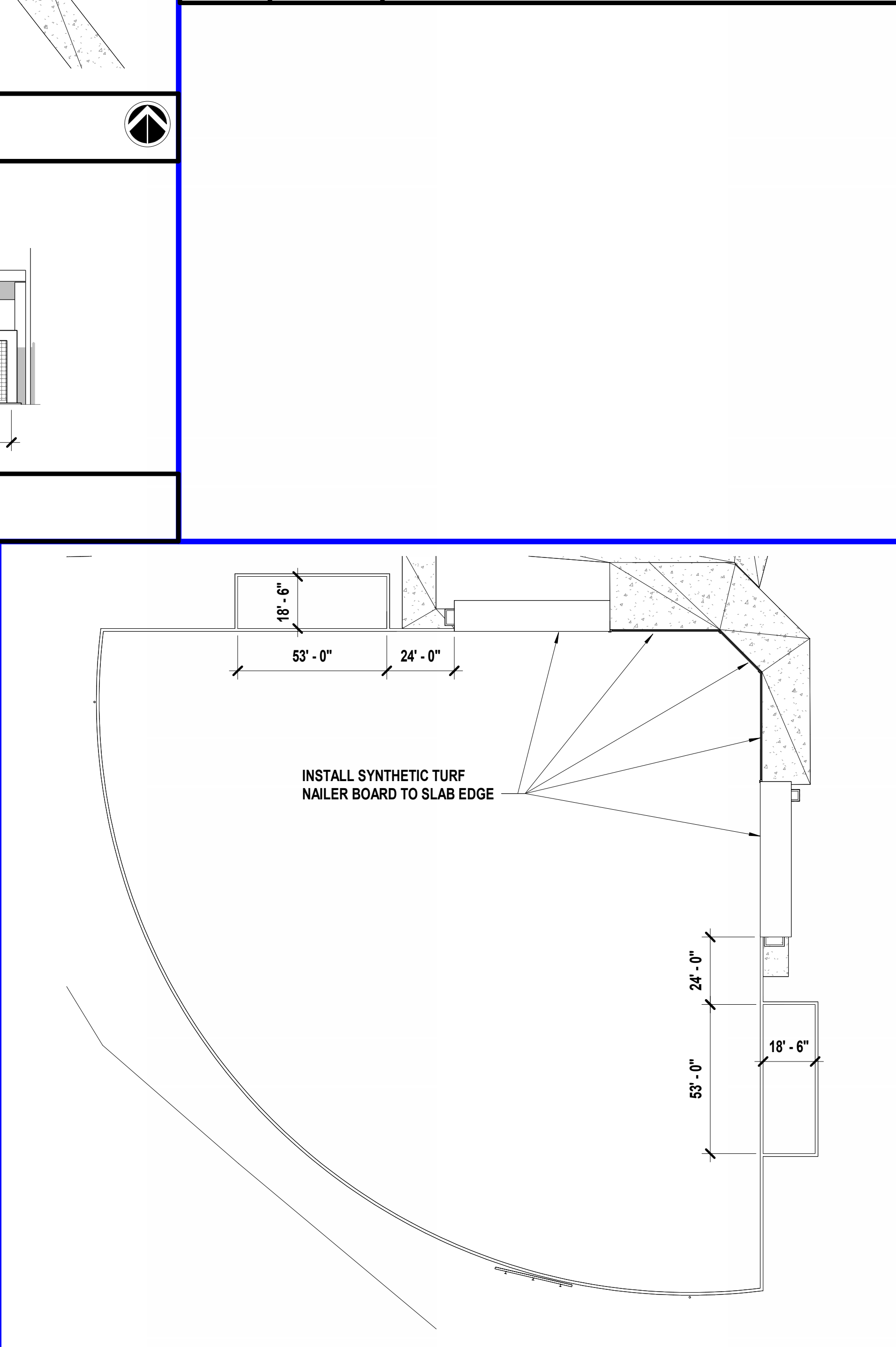
A1 Scale 3/32" = 1'-0" Enlarged Plan - 30' Netted Backstop @ Softball



N7 Scale 1 1/2" = 1'-0" Typical Perimeter Turf Curb with Fence

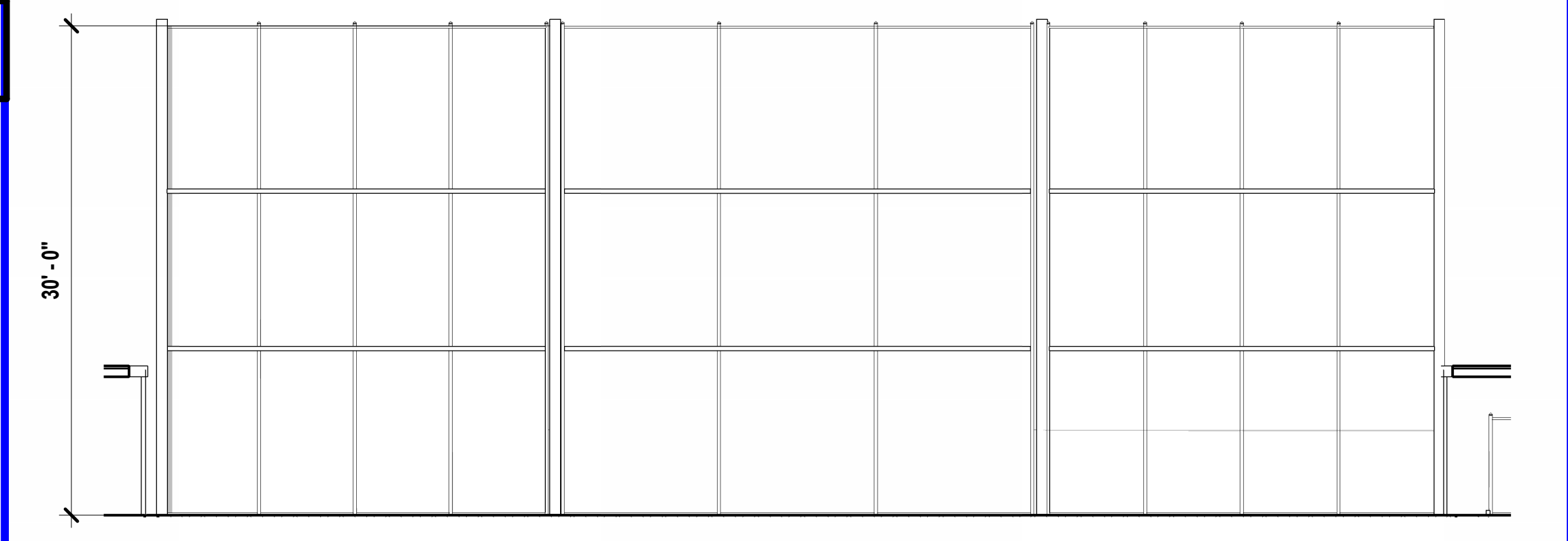


K7 Scale 1 1/2" = 1'-0" Turf to Natural Grass Transition (Alternate #5)

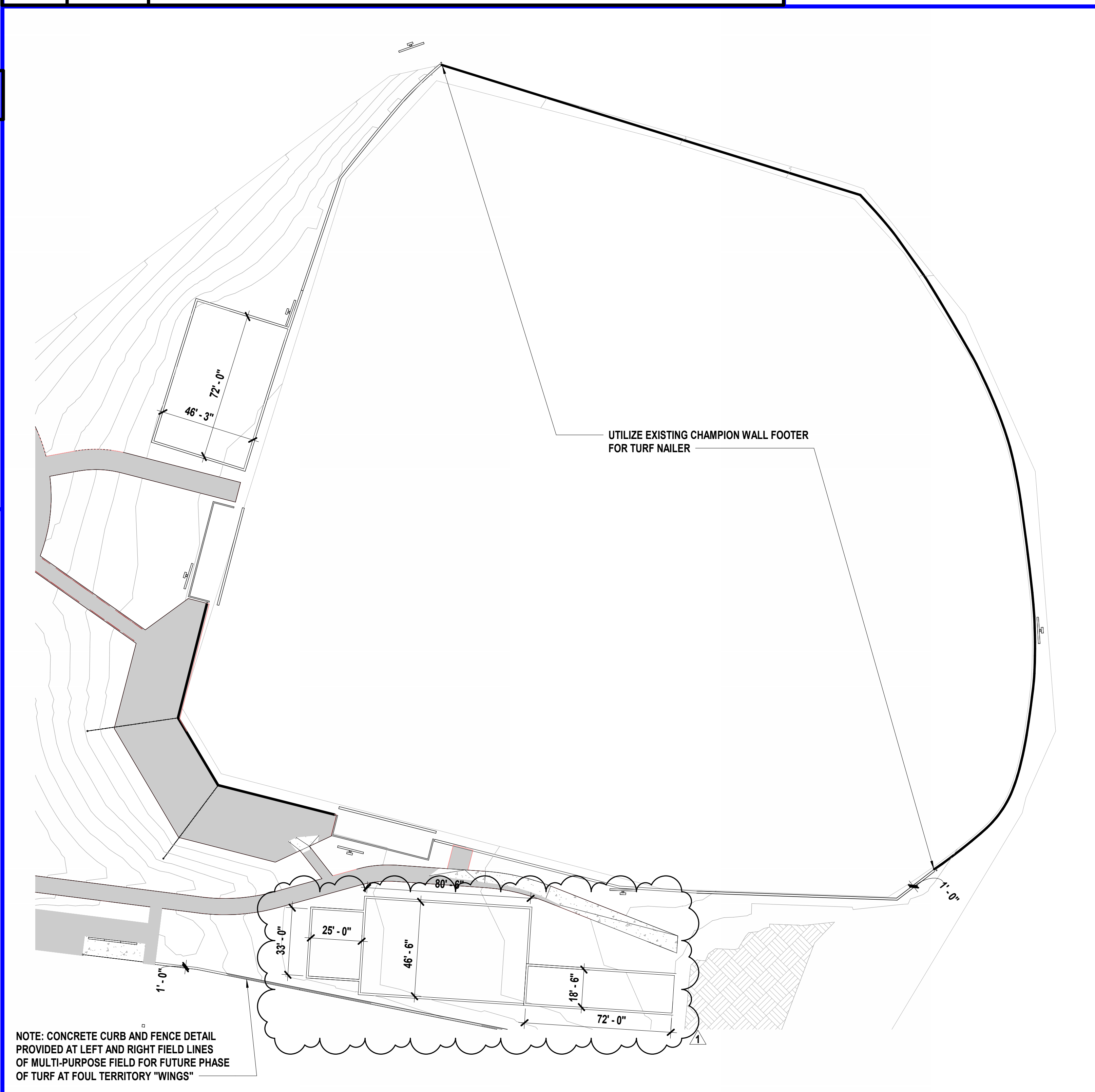


A6 Scale 1/32" = 1'-0" Perimeter Concrete Turf Curb @ Softball

Specialty Equipment Schedule				
Mark	Keynote	Description	Manufacturer	Model
BB-001	11 66 73	Pitching Rubber	Sportsfield Specialties	TBPR
BB-002	11 66 73	Home Plate	Sportsfield Specialties	TBHP
BB-345	11 66 73	1st, 2nd, 3rd base set	Sportsfield Specialties	TBS
BH-16	11 66 73	Stand-up cubby with 16-helmet, 8 bat-bin and side storage	Sportsfield Specialties	SUAHCBSS
BN-30	11 66 73	Custom tie-back tension softball backstop netting system with integrated wall pad and #36 nylon netting - 30'H x 120'L	Sportsfield Specialties	TNTB36WPB
BN-40	11 66 73	Custom tie-back tension baseball backstop netting system with integrated wall pad back stop and #36 nylon net - 40'H x 120'L	Sportsfield Specialties	TNTB36WPB
BT-03	11 66 73	Triple Tension baseball batting tunnel	Sportsfield Specialties	BTBT
DB-08	11 66 73	Single-tier aluminum team bench, portable - 8' length	Sportsfield Specialties	ATBNBPT
DB-10	11 66 73	Two-Tier Aluminum Dugout Bench, 10'-0" length	Sportsfield Specialties	ATBTBM10
DG-30	11 66 73	30'-0" x 10'-0" Modular Dugout	Sportsfield Specialties	GameShade
FP-30	11 66 73	Foul Pole with mesh wing, ground sleeve inserted - 30'H	Sportsfield Specialties	FPW630
FP-40	11 66 73	Foul Pole with mesh wing, ground sleeve inserted - 40'H	Sportsfield Specialties	FPW640
PM-13	11 66 73	Synthetic Portable Pitcher's Mound	Sportsfield Specialties	PPBRBIT
PM-18	11 66 73	Porta-Pitch Portable Baseball Pitcher's Mound	Sportsfield Specialties	PPB



K11 Scale 1/8" = 1'-0" Elevation - Chainlink Backstop



A11 Scale 1/32" = 1'-0" Perimeter Concrete Turf Curb @ Baseball

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CONSTRUCTION DOCUMENTS

LHS Baseball & Softball Upgrades
Liberty Public Schools 53
200 Blue Jay Drive
Liberty, MO 64068

REVISIONS:

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1	Addendum No. 2	07.24.23

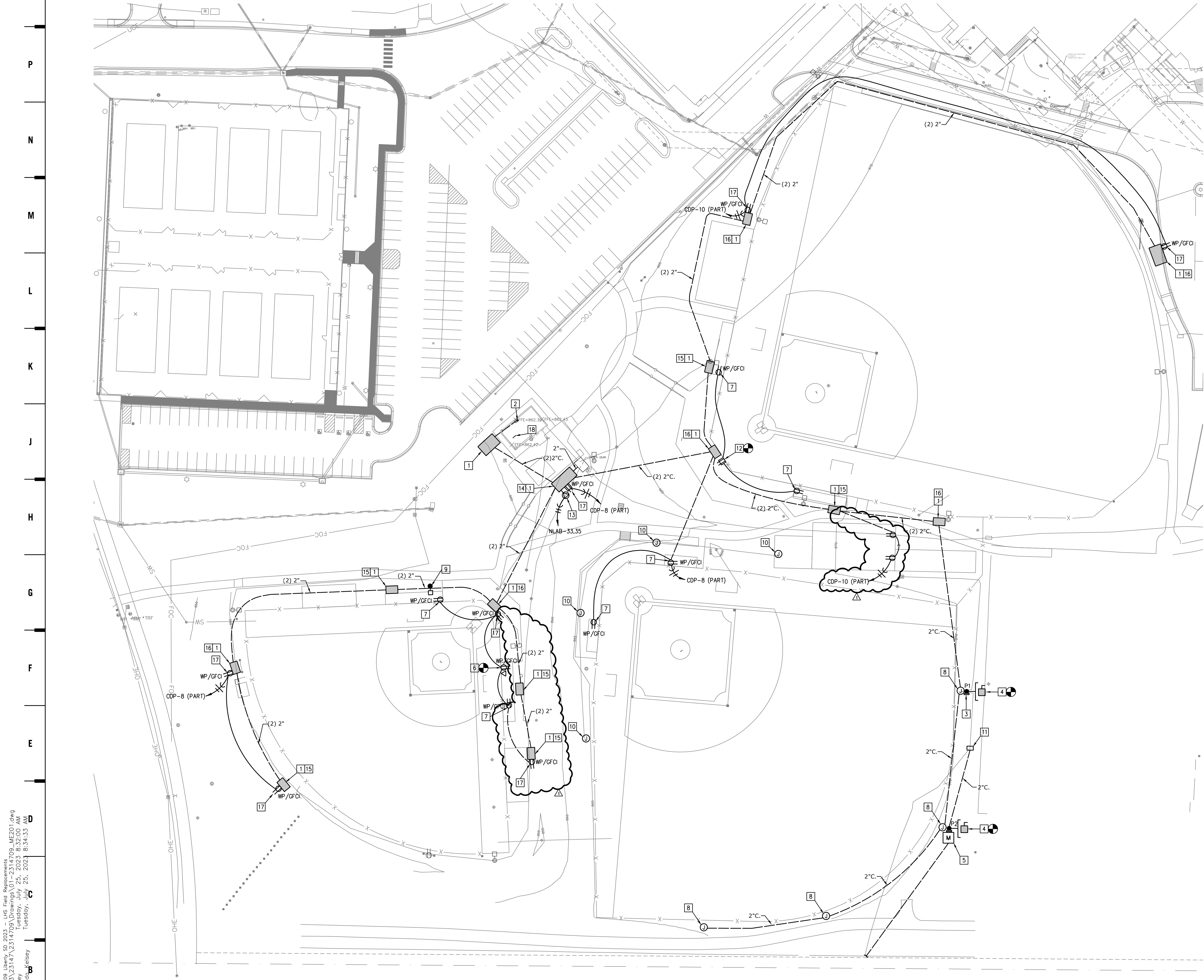
STATE OF MISSOURI
KEVIN E. NELSON
A-2019015618
ARCHITECT
JULY 21, 2023

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JOB NO: 23023
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CHECKED BY: Checker
DATE: 07.24.23

AS681

PROJECT NAME: 2314709 Liberty SD 2023 - LHS Field Reprogramming
LOCATION: 2314709 Liberty SD 2023 - LHS Field Reprogramming
LAST CORRECTION BY: JAMES
DATE: 2314709 Liberty SD 2023 - LHS Field Reprogramming
PLOTTED BY: JAMES
DATE: 2314709 Liberty SD 2023 - LHS Field Reprogramming



ELECTRICAL - SITE PLAN
SCALE: 1"=40'-0"

GENERAL NOTES:

1. ALL BRANCH CIRCUITS TO BE PROVIDED WITH #10 AWG UNLESS NOTED OTHERWISE.
2. PRIOR TO CONSTRUCTION CONTRACTOR SHALL LOCATE ALL UTILITIES (PRIVATE AND PUBLIC) IF "HIT" CONTRACTOR IS RESPONSIBLE FOR REBUILD TO WORKING CONDITION. ALL REPAIRS SHALL BE APPROVED BY OWNER.
3. RESTORATION/REPAIR OF SITE:
 - a. BACKFILL AND COMPACT EACH REMOVED LOCATION USING CS-1 MATERIALS (PEA GRAVEL IS ACCEPTABLE, BUT NOT SAND). COMPACT VIA POWER TAMPERS IN 6-INCH (MAXIMUM) LAYERS.
 - b. ALL TRENCHING SHALL BE BACKFILLED/COMPACTED LOCATION USING CS-1 MATERIALS (PEA GRAVEL IS ACCEPTABLE, BUT NOT SAND). COMPACT VIA POWER TAMPERS IN 6-INCH (MAXIMUM) LAYERS. REFER TO TRENCH DETAIL FOR ADDITIONAL INFORMATION.
 - c. REPAIR ALL ASPHALT/CONCRETE TO MATCH EXISTING. PROVIDE 6" ASPHALT (4" BASE & 2" BM2 TOP COURSE). OVERCUT ASPHALT BY 12" ON EACH SIDE OF TRENCH. REMOVE 6" P.C. CONCRETE. FIELD VERIFY PRIOR TO BID ALL WORK REQUIRED.
 - d. REPAIR/RESTORE ALL DIRT WORK BACK TO ORIGINAL GRADE. PROVIDE GRASS SEED/SOD AS REQUIRED.
 - e. ALL REPAIRS/PATCHING SHALL BE DONE BY A LICENSED
4. CONTRACTOR FROM THAT FIELD OF WORK. COORDINATE ALL LOCATIONS OF REQUIRED JUNCTION BOXES WITH OWNER PRIOR TO CONSTRUCTION. REFER TO IN-GRADE ELECTRICAL JUNCTION/PULL BOX DETAIL FOR ADDITIONAL INFORMATION.
5. PRIOR TO CONSTRUCTION VERIFY ACTUAL LOCATIONS OF NEW POLES WITH SPORTS LIGHTING MANUFACTURER. IF THERE IS EXISTING CIRCUMSTANCES THAT DO NOT ALLOW POLE TO BE INSTALLED AT THAT LOCATION REVISE POLE LOCATIONS AND COORDINATE WITH SPORTS LIGHTING MANUFACTURER.
6. ALL ELECTRICAL SPLICES/CONNECTIONS OUTSIDE SHALL USE ILSCO NIMBUS PRE-INSULATED CONNECTORS OR APPROVED EQUAL. IDENTIFICATION SHALL BE PROVIDED ON THE ENDS OF ALL CONDUCTORS INDICATING THE PANEL AND CIRCUIT NUMBER IN WHICH IT IS FED FROM.
7. ALL UNATTENDED HOLES/TRENCHES MUST BE FENCED OFF.
8. COORDINATE STAGING AREAS WITH OWNER IF REQUIRED.
9. ALL WORK SHOWN THIN LINE (HALF TONE) IS EXISTING, ALL WORK SHOWN THICK LINE (BOLD) IS NEW.

ELECTRICAL PLAN NOTES:

- 1 PROVIDE DIVIDED ASSEMBLY QUAZITE BOX SERIES PS17302611 OR EQUAL. MOUNT FLUSH AT GRADE AT LOCATION SHOWN FOR FUTURE POWER AND DATA CONNECTIONS. COORDINATE EXACT LOCATION OF QUAZITE BOX WITH LHS FACILITIES PRIOR TO INSTALLATION. STUB UP (2) 2" CONDUITS, ONE FROM LOW VOLTAGE SIDE AND ONE FROM THE LINE VOLTAGE SIDE OF THE QUAZITE BOX, INTO AN ABOVE GROUND CABLING PEDESTAL.
- 2 STUB UP CONDUIT IN EXISTING CHASE TO EXISTING IT RACK.
- 3 EXISTING POLE MOUNTED MUSCO CABINET TO BE REINSTALLED AT NEW POLE LOCATION. EXISTING WIRE AND CONDUIT TO BE REROUTED TO NEW LOCATION. EXTEND/MODIFY CONDUIT AND WIRE AS NECESSARY FOR COMPLETE INSTALLATION.
- 4 EXISTING FOOTBALL FIELD LIGHTING RETAINED DURING DEMOLITION TO BE PLACED ON NEW POLE. EXISTING CONDUIT AND WIRE TO BE INTERCEPTED AND SPLICED AT LOCATION OUTSIDE OF NEW MULTIPURPOSE FIELD FENCE LINE AND EXTENDED/MODIFIED AS NECESSARY TO NEW LOCATION. RE-AIM FIXTURES AS NECESSARY.
- 5 NEW LOCATION OF EXISTING ELECTRICAL METER. PROVIDE CONDUIT FROM NEW METER LOCATION TO EXISTING SUBMETER IN SUBDIVISION. EXISTING CONDUCTORS TO BE REUSED. COORDINATE WITH EVERGY FOR RESETTling EXISTING METER.
- 6 EXISTING RECEPTACLE CIRCUIT AND SOUND ENCLOSURE RETAINED FROM FIELD DURING DEMOLITION TO BE REROUTED TO NEW SOUND BOX. SURFACE MOUNT RECEPTACLE AND SOUND ENCLOSURE UNDERCOUNTER. EXTEND/MODIFY ALL WIRE, CABLING, AND CONDUIT AS NECESSARY FOR COMPLETE INSTALLATION.
- 7 SURFACE MOUNT RECEPTACLE ON INSIDE OF DUGOUT WALL.
- 8 PROVIDE ROUGH-IN FOR FUTURE LIGHT POLES AT LOCATION SHOWN. STUB UP (1) 2" CONDUIT AND CAP AT GRADE FOR FUTURE LIGHT POLE POWER.
- 9 EXISTING MUSCO LIGHT FIXTURE AND POLE RETAINED DURING DEMOLITION TO BE PLACED IN APPROXIMATE LOCATION SHOWN. PROVIDE NEW POLE BASE FOR EXISTING POLE. EXTEND/MODIFY EXISTING CONDUIT AND CONDUCTORS TO NEW POLE LOCATION AS NECESSARY.
- 10 EXISTING SPORTS LIGHTING CONDUIT TO BE CAPPED AT GRADE.
- 11 INTERCEPT EXISTING CONDUIT AND CONDUCTORS FOR FOOTBALL FIELD SPORTS LIGHTING AND EXTEND TO NEW POLE LOCATION.
- 12 EXISTING RECEPTACLE CIRCUIT AND SOUND ENCLOSURE RETAINED FROM FIELD DURING DEMOLITION TO BE REROUTED TO LOCATION SHOWN.
- 13 PROVIDE NEMA L6-50 RECEPTACLE IN WEATHERPROOF ENCLOSURE. SURFACE MOUNT RECEPTACLE ON UNISTRUT OF LOCKABLE ENCLOSURE. CIRCUIT WITH 2#8, #10G, 3/4"C.
- 14 PROVIDE 24" X 24" X 8" LOCKABLE WALL MOUNT ENCLOSURE, HOFFMAN SERIES ECL606020 OR EQUAL. MOUNT ENCLOSURE TO UNISTRUT NEXT TO QUAZITE BOX. STUB UP (1) 2" CONDUIT FROM LOW VOLTAGE SIDE OF QUAZITE BOX INTO BOTTOM OF ENCLOSURE.
- 15 PROVIDE 12" X 12" X 6" LOCKABLE WALL MOUNT ENCLOSURE, HOFFMAN SERIES ECL303015 OR EQUAL. STUB UP (1) 2" CONDUIT FROM LOW VOLTAGE SIDE OF QUAZITE BOX INTO BOTTOM OF ENCLOSURE. MOUNT TO SIDE OF BUILDING.
- 16 PROVIDE 12" X 12" X 6" LOCKABLE WALL MOUNT ENCLOSURE, HOFFMAN SERIES ECL303015 OR EQUAL. PROVIDE UNISTRUT FOR MOUNTING. STUB UP (1) 2" CONDUIT FROM LOW VOLTAGE SIDE OF QUAZITE BOX INTO BOTTOM OF ENCLOSURE.
- 17 MOUNT RECEPTACLE ON UNISTRUT OF WALL MOUNT ENCLOSURE.
- 18 LOCATION OF EXISTING PANEL 'NLAB'.

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engineers
25618 west 103rd St. olathe, ks 66061
phone 913.345.2127 fax 913.345.0617
project number 2314709

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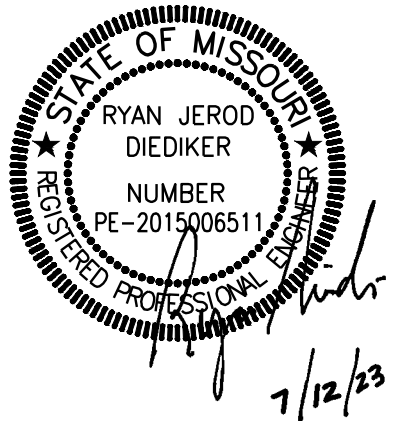
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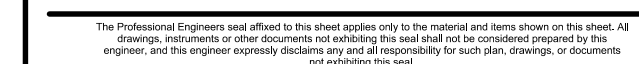
JOB NO: 23023
DRAWN BY: SBI
CHECKED BY: RJD
DATE: 07.12.2023

ME201

ELEC. - SITE PLAN

**CONSTRUCTION
DOCUMENTS**

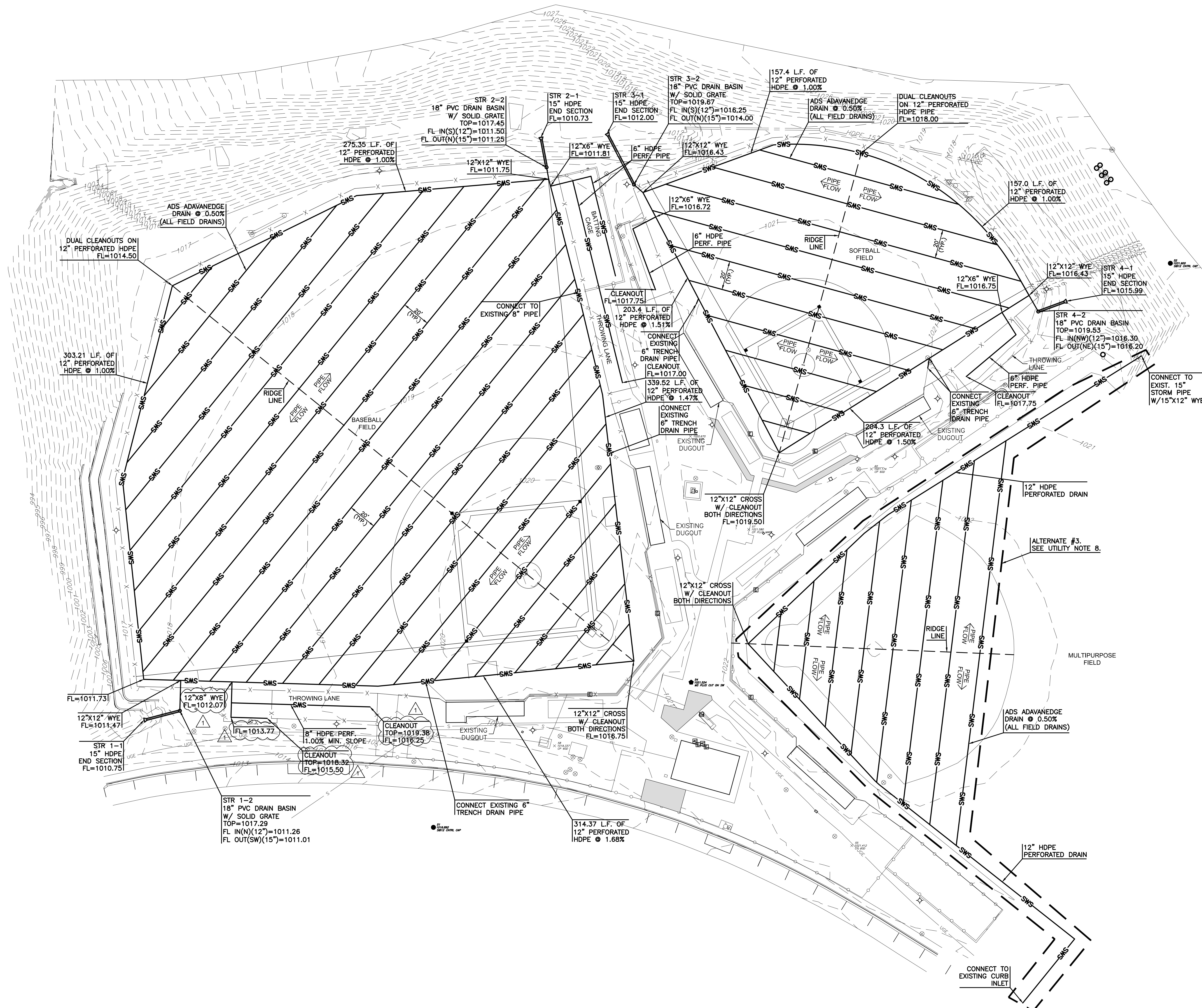
1000 NE 104th Street
Liberty, MO 64068



DC101



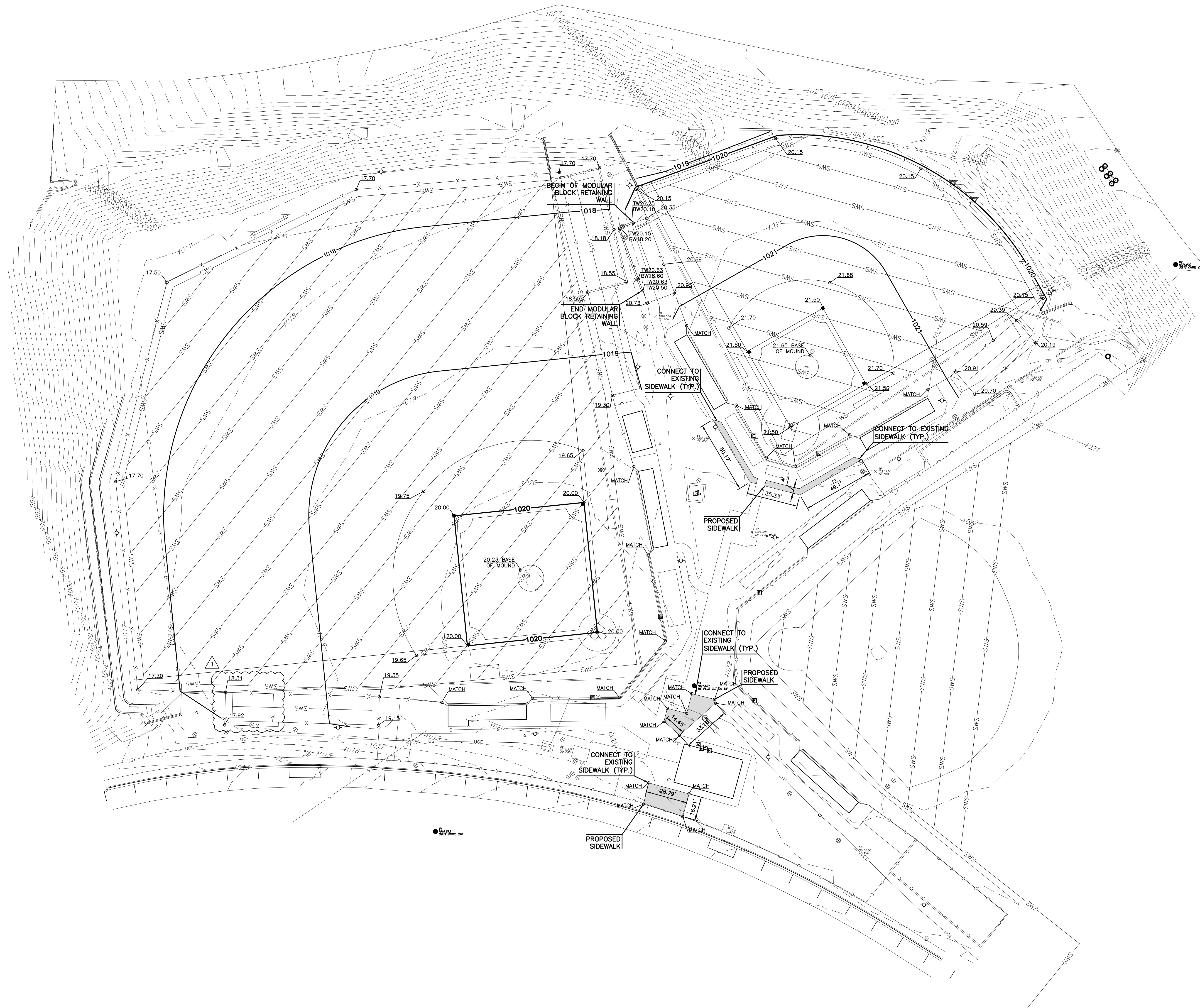
SCALE: 1"=30'



UTILITY NOTES:

1. SEE SHEET C200 FOR UTILITY DETAILS.
2. CONTRACTOR TO VERIFY THE LOCATION AND SIZE OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION. COORDINATE WITH THE CITY PRIOR TO EXCAVATION AND TAP FOR TAP REQUIREMENTS AND INSPECTIONS.
3. WATER LINES SHALL HAVE A MINIMUM OF 42" OF COVER TO TOP OF PIPE. WATER LINES SMALLER THAN 4" SHALL BE PVC-ASTM D2241, IPS CLASS 160 (SDR 26), WATER LINES 4" AND LARGER SHALL BE C900, D18 PVC. FITTINGS SHALL BE MECHANICAL JOINT, DUCTILE IRON, AWWA C110. BOLTS SHALL COMPLY WITH AWWA C111.
4. INSTALL VERTICAL BENDS AS NECESSARY ON PROPOSED WATER MAINS AT UTILITY CROSSINGS TO MAINTAIN A MINIMUM OF TWO FEET OF VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND OTHER UTILITIES.
5. HDPE STORM PIPE SHALL BE CORRUGATED DUAL WALL HDPE WITH 18" INTERIOR AND SOIL TIGHT JOINTS. RCP STORM PIPE SHALL BE CLASS III, WALL B WITH GASKETED JOINTS CONFORMING TO ASTM C76. O-RING GASKETS SHALL CONFORM TO ASTM C361 AND ASTM C443.
6. SANITARY SEWER PIPE SHALL BE ASTM D3034, SDR 26 PVC PIPE WITH BELL ENDS AND GASKETED JOINTS. GASKETS SHALL COMPLY WITH ASTM F477.
7. ROOF DRAINS/DOWNSPOUTS SHALL BE CONNECTED TO STORM TRUNK LINE WITH PRE-MANUFACTURED WYE MATCHING PIPE MATERIAL AND JOINT TYPE. IN LIEU OF WYE, AN INSERTA-TEE CONNECTION CAN BE USED WITH HDPE PIPE.
8. ALTERNATE #3: CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF. UNDERRAINDS, AND INSTALL BACK STOP NETTING (ADD ALTERNATE).

SCALE: 1"=30'



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Structure # 2008031333

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Civil Engineering / Landscape Architecture
State Certificate of Authority #:
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Landscape: 2006027139
Surveying: 2006027138
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Overland Park, Johnson County, KS 66210
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Smith & Boucher Engineers
Mechanical, Electrical, Plumbing Engineers
State Certificate of Authority #EGC000178
25618 W 103rd St
Olathe, Johnson County, KS 66061
913.345.2127 phone

GRADING NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FINISHED GRADE.
2. ALL CURB SPOT ELEVATIONS ARE TOP OF CURB UNLESS OTHERWISE NOTED.
3. SATISFACTORY SOIL AND FILL MATERIAL SHALL BE PROVIDED PER THE SPECIFICATIONS. SEE SPECIFICATIONS FOR MAXIMUM FILL LIFT THICKNESS.
4. CLEAR AND GRUB IMPROVEMENT AREA. REMOVE ALL ORGANIC AND TOPSOIL MATERIAL REGARDLESS OF SIZE AND DEPTH. ALL CLEARED AND EXCESS MATERIAL SHALL BECOME CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE EARTHWORK VOLUMES. ALL IMPORT AND EXPORT OF SOIL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
6. NOTIFY TESTING AGENCY WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE. SUBGRADE SHALL BE PREPARED AND COMPACTED PER THE SPECIFICATIONS.
7. IF GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
8. SEE EARTH WORK SPECIFICATIONS FOR COMPACTION & PROOF-ROLLING REQUIREMENTS.
9. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURE, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES, WITHOUT ADDITIONAL COMPENSATION.
10. COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
11. ALL EXCESS SOIL AND WASTE MATERIAL SHALL BECOME THE CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE SITE.


PAVING NOTES:

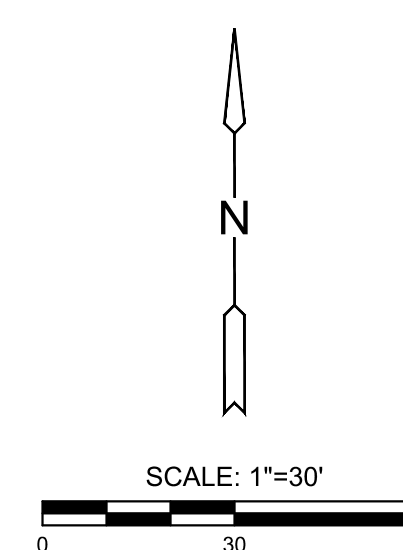
1. SEE SHEET C200 FOR PAVEMENT DETAILS.
2. ALL DIMENSIONS ARE TO BACK OF CURB.
3. PORTLAND CEMENT CONCRETE SHALL CONFORM WITH THE KANSAS CITY METRO MATERIALS BOARD MINIMUM 4000 PSI GRANITE MIX (KCMMB 4K).
4. ALL SIDEWALKS SHALL BE 4" UN-REINFORCED CONCRETE.
5. SIDEWALK RAMPS ON PRIVATE PROPERTY DO NOT REQUIRE 2' WIDE DETECTABLE WARNING STRIPS (TRUNCATED DOMES).
6. COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXIST TO A MINIMUM OF 2' BEHIND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
7. ALL CURBS SHALL BE CG-1 UNLESS OTHERWISE NOTED.
8. 5' WIDE SIDEWALKS SHALL HAVE A MAXIMUM OF 5' CONTRACTION JOINT SPACING. 6' WIDE SIDEWALKS SHALL HAVE A MAXIMUM CONTRACTION JOINT SPACING OF 6'. 8' WIDE SIDEWALKS SHALL HAVE A MAXIMUM 4' CONTRACTION JOINT SPACING WITH A LONGITUDINAL CONTRACTION JOINT DOWN THE MIDDLE OF THE SIDEWALK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TRAFFIC CONTROL NECESSARY ON SURROUNDING STREETS FOR CONSTRUCTION. TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF MUTCD AND CITY SPECIFICATIONS.
10. COORDINATE INSTALLATION OF PVC SLEEVES AND GRANULAR TRENCH BACKFILL FOR IRRIGATION PRIOR TO PAVEMENT INSTALLATION.

GRADING LEGEND

- **100** — — PROPOSED MAJOR CONTOUR
 — **101** — — PROPOSED MINOR CONTOUR
 — 00.00 — — FINISH GRADE

PAVING LEGEND

- 
- 4" CONCRETE SIDEWALK



LNHS Baseball & Softball Upgrades

Liberty Public Schools 53

1000 NE 104th Street
Liberty, MO 64068

**CONSTRUCTION
DOCUMENTS**

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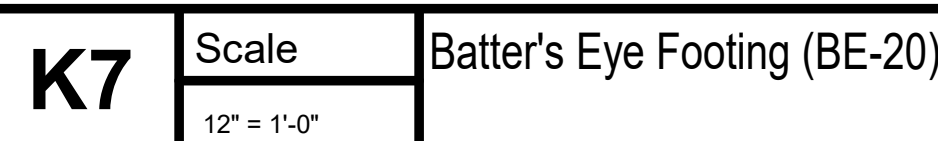
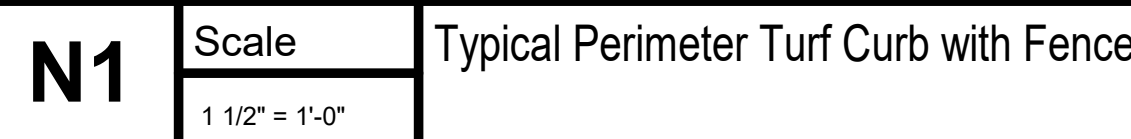
BRADEN L. TAYLOR
LIC# 2021001896

JOB NO: 23047
DRAWN BY: MK
CHECKED BY: B
DATE: 07-12-23

C103

GRADING & PAVING PLAN





Specialty Equipment Schedule				
Mark	Keynote	Description	Manufacturer	Model
BB-001	11 66 73	Pitching Rubber	Sportsfield Specialties	TBPR
BB-002	11 66 73	Home Plate	Sportsfield Specialties	TBHP
BB-345	11 66 73	1st, 2nd, 3rd base set	Sportsfield Specialties	TBS
BE-20	11 66 73	Batter's Eye - 20"H x 40"L solid vinyl enclosure, direct embedment	Sportsfield Specialties	BE2040
BN-30	11 66 73	Custom tie-back tension softball backstop netting system with integrated wall pad and #36 nylon netting - 30'H x 120'L	Sportsfield Specialties	TNTB36WPB
BN-40	11 66 73	Custom tie-back tension baseball backstop netting system with integrated wall pad back and #36 nylon net - 40'H x 180'L	Sportsfield Specialties	TNTB36WPB
FP-30	11 66 73	Foul Pole with mesh wing, ground sleeve inserted - 30'H	Sportsfield Specialties	FPW630
FP-40	11 66 73	Foul Pole with mesh wing, ground sleeve inserted - 40'H	Sportsfield Specialties	FPW640
PM-13	11 66 73	Synthetic Portable Pitcher's Bull Pen Mound	Sportsfield Specialties	PPBPBIT

