

Addendum No. 1
May 21, 2024

Project: Harrisburg Softball / Baseball Complex
Harrisburg, South Dakota
Architecture Incorporated Project #2822

Architect: Architecture Incorporated

Letting: **Tuesday, June 4, 2024**
2:00 p.m.

Location: Community Center Conference Room at the Harrisburg School District Administration Offices, 200 Willow Street, Harrisburg, South Dakota 57032. (Enter from southeast community center entrance).

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

1) TABLE OF CONTENTS

- a) Disregard Sections 051200 – *Structural Steel* and 052100 – *Steel Joists* on the Table of Contents. These Sections do not exist as they do not apply to this Project.

2) GENERAL INFORMATION – CONSTRUCTION TESTING

- a) All construction testing as required by the construction documents shall be by the Owner.

3) SECTION 011000 – SUMMARY

- a) Construction schedule: 1.4.C.3: Change the substantial completion date of finish grading for sod and grass seed areas as follows:
 - i) Change Substantial completion of sod area at the outfield of the Championship field to October 15, 2024.
 - ii) Change Substantial completion of all remaining grass seed areas to April 1, 2025. Sod and grass seed provided by the Owner.

4) SECTION 04200 – UNIT MASONRY ASSEMBLIES

- a) Grout installed in burnished concrete masonry assemblies shall be limited to ready-mix grout - ONLY. Pre-packaged, site-mixed grout shall be prohibited at all burnished concrete masonry assemblies.

5) SHEET 2.40 – ARCHITECTURAL SITE PLAN

- a) Reference *revised* drawing Sheet 2.40 (revision dated 5-17-24) attached to the end of this addendum for adjustment of future light pole locations.

ELECTRICAL ITEMS:

1) SHEET 9.10 – OVERALL SITE PLAN - ELECTRICAL

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.10 – *Overall Site Plan - Electrical* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

2) SHEET 9.20 – SITE PLAN - CHAMPIONSHIP FIELD #1 - ELECTRICAL

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.20 – *Site Plan - Championship Field #1 - Electrical* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

3) SHEET 9.21 – SITE PLAN - CHAMPIONSHIP PARKING LOT - ELECTRICAL

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.21 – *Site Plan - Championship Parking Lot - Electrical* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

4) SHEET 9.22 – SITE PLAN - FIELD #2 & #3 - ELECTRICAL

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.22 – *Site Plan - Field #2 & #3 - Electrical* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

5) SHEET 9.30 – ELECTRICAL SYMBOLS AND ABBREVIATIONS

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.30 – *Electrical Symbols and Abbreviations* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

6) SHEET 9.31 – ELECTRICAL SPECIFICATIONS

- a) Per issuance of Addendum #1, *NEW* electrical drawing Sheet 9.31 – *Electrical Specifications* (dated 5-21-24) attached to the end of this addendum shall become a part of the Contract Documents.

GENERAL APPROVALS:

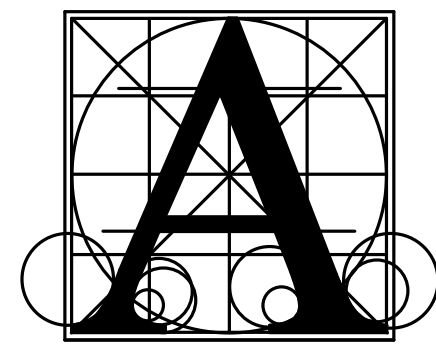
The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
311294	Artificial Grass Turf	Sprinturf

END OF ADDENDUM No. 1

5/15/2024 2:32:55 PM

- GENERAL NOTES - SITE PLAN
- A. CONTRACTOR SHALL PROVIDE 6" TOP SOIL FINISH GRADE AT ALL DISTURBED AREAS U.N.O.
 - B. SEE ELECTRICAL AND CIVIL FOR ADDITIONAL SITE ITEMS.
 - C. SLOPE FINISH GRADE AWAY FROM THE BUILDING.
 - D. ALL LANDSCAPING IS BY OWNER.
 - E. ALL SEEDING AND SOD IS BY OWNER.
 - F. ALL EXTERIOR CONCRETE WILL BE DONATED BY KNIFE RIVER REDIMIX, REDIMIX DONATION WILL BE DELIVERED TO THE SITE, CONTRACTOR SHALL INSTALL.



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HARRISBURG SOFTBALL/BASEBALL COMPLEX

ARCHITECTURAL SITE PLAN

Project

number 1101.2822.18

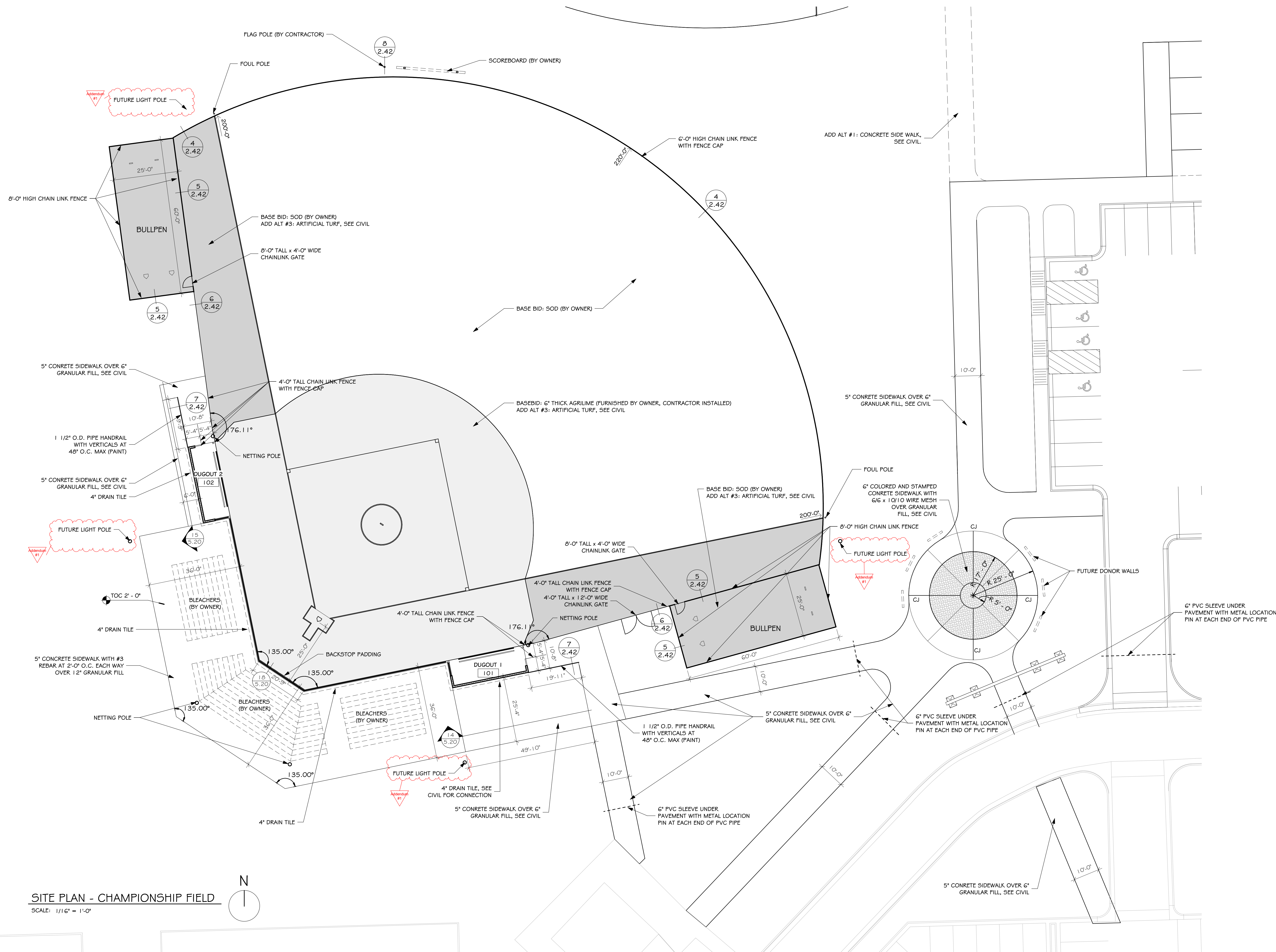
date May 3, 2024

revision

drawn CJM checked SRJ

DATE	DESCRIPTION
05/17/2024	Addendum #1

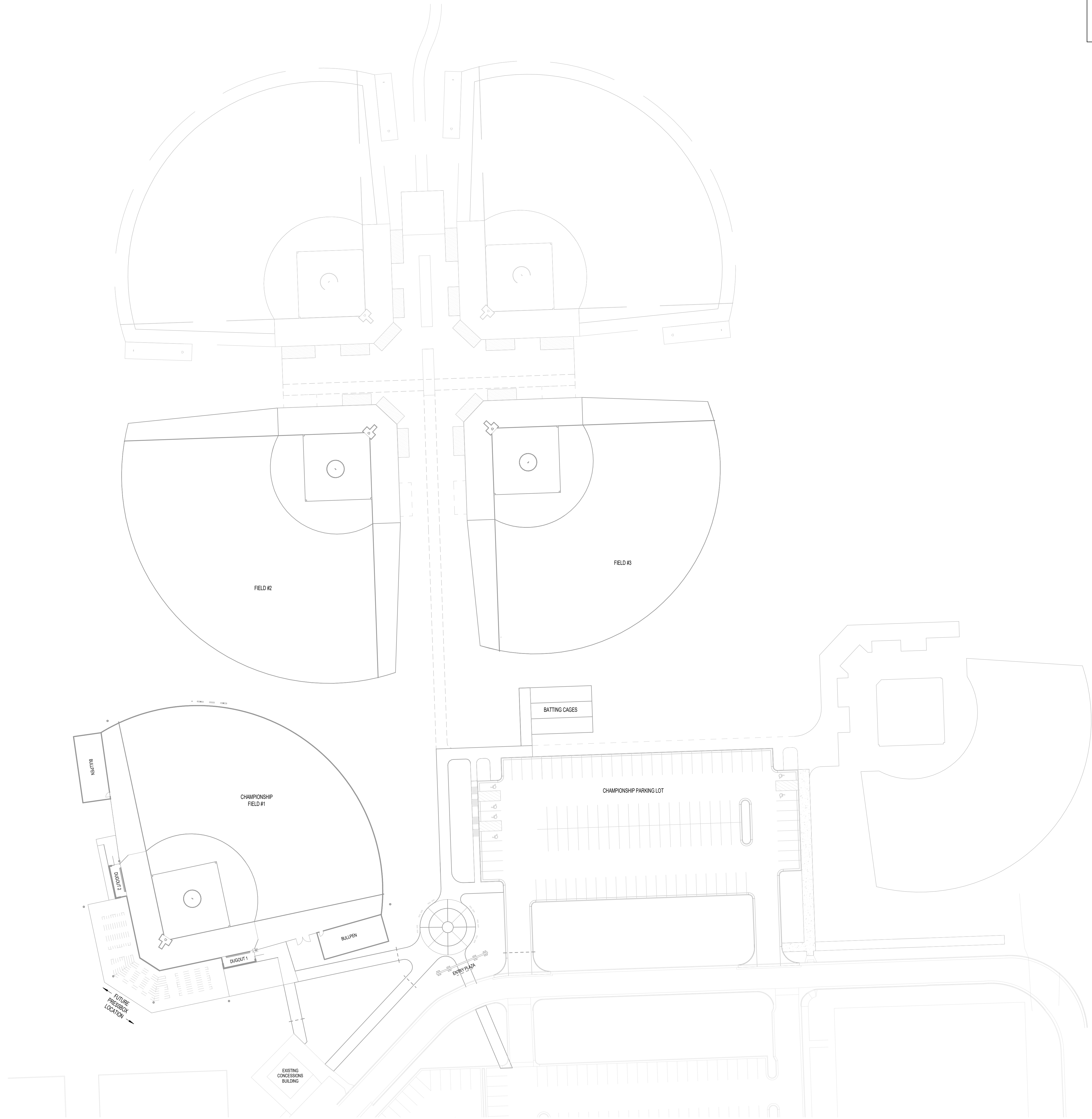
2.40



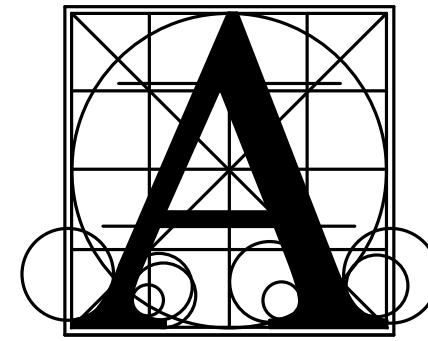
SITE PLAN - CHAMPIONSHIP FIELD

SCALE: 1/16" = 1'-0"

5/20/2024 5:14:19 PM



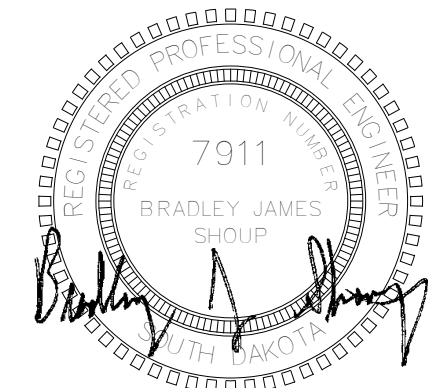
ELECTRICAL NOTES



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ACEI PROJ. #124018

HARRISBURG SOFTBALL/BASEBALL COMPLEX

OVERALL SITE PLAN - ELECTRICAL

Project

number 1101.2822.18

date MAY 21, 2024

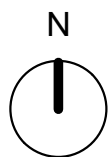
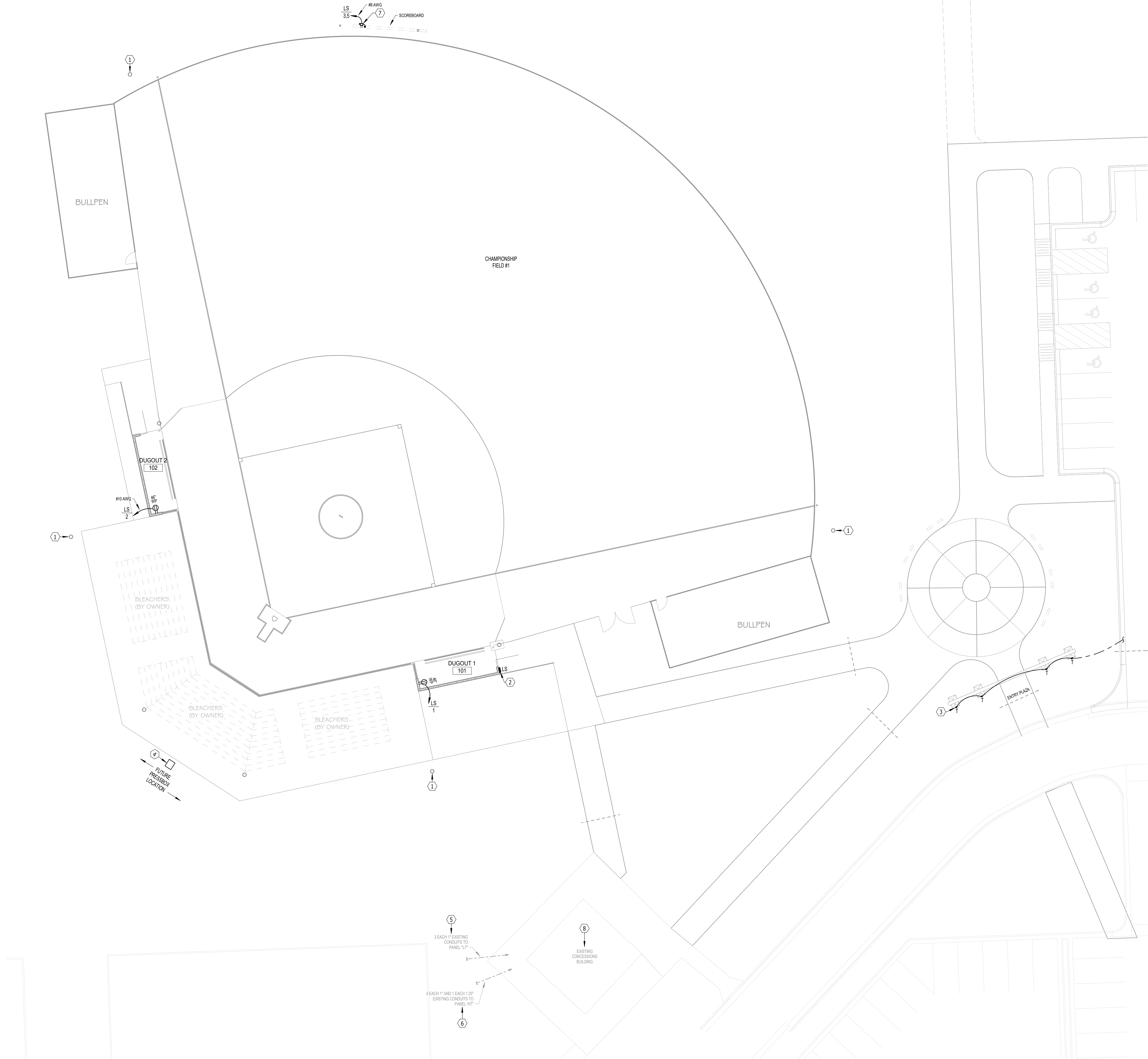
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drawn ADP checked BJS

DATE	DESCRIPTION

9.10

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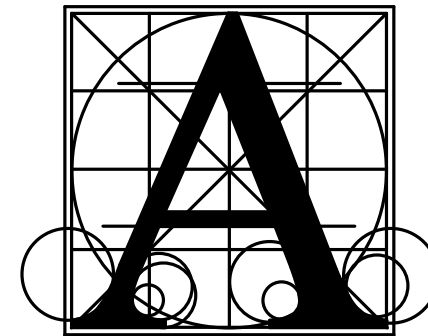


SITE PLAN - CHAMPIONSHIP FIELD #1 - ELECTRICAL

SCALE 0 8 16 24 32

ELECTRICAL NOTES

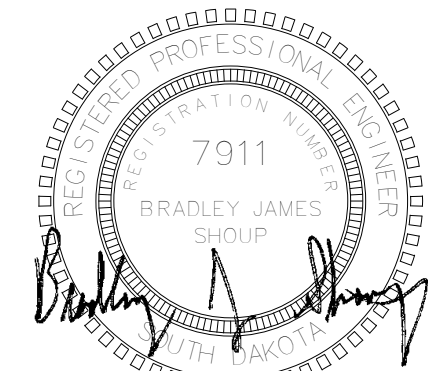
- 1 FUTURE SPORTS LIGHTING POLE. PROVIDE 1" CONDUIT TO FUTURE PRESSBOX LOCATION.
- 2 COORDINATE LOCATION WITH ARCHITECT.
- 3 COORDINATE MOUNTING HEIGHT WITH ARCHITECT, TYPICAL.
- 4 TERMINATE PRESSBOX RACEWAYS AT THIS LOCATION.
- 5 EXTEND A 1" CONDUIT TO NEW PANEL "LS".
- 6 EXTEND 1.25" CONDUIT TO FUTURE SOFTBALL FIELD PRESSBOX FOR SPORTS LIGHTING.
- 7 PROVIDE A NEMA 3R HEAVY-DUTY NON-FUSED DISCONNECT SWITCH.
- 8 EXISTING PANELS "HT" (SQUARE D NF) AND "LT" (SQUARE D NG).



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Project	number	1101.2822.10
	date	MAY 21, 2024
	revision	
drawn	ADP	checked BJS

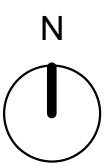
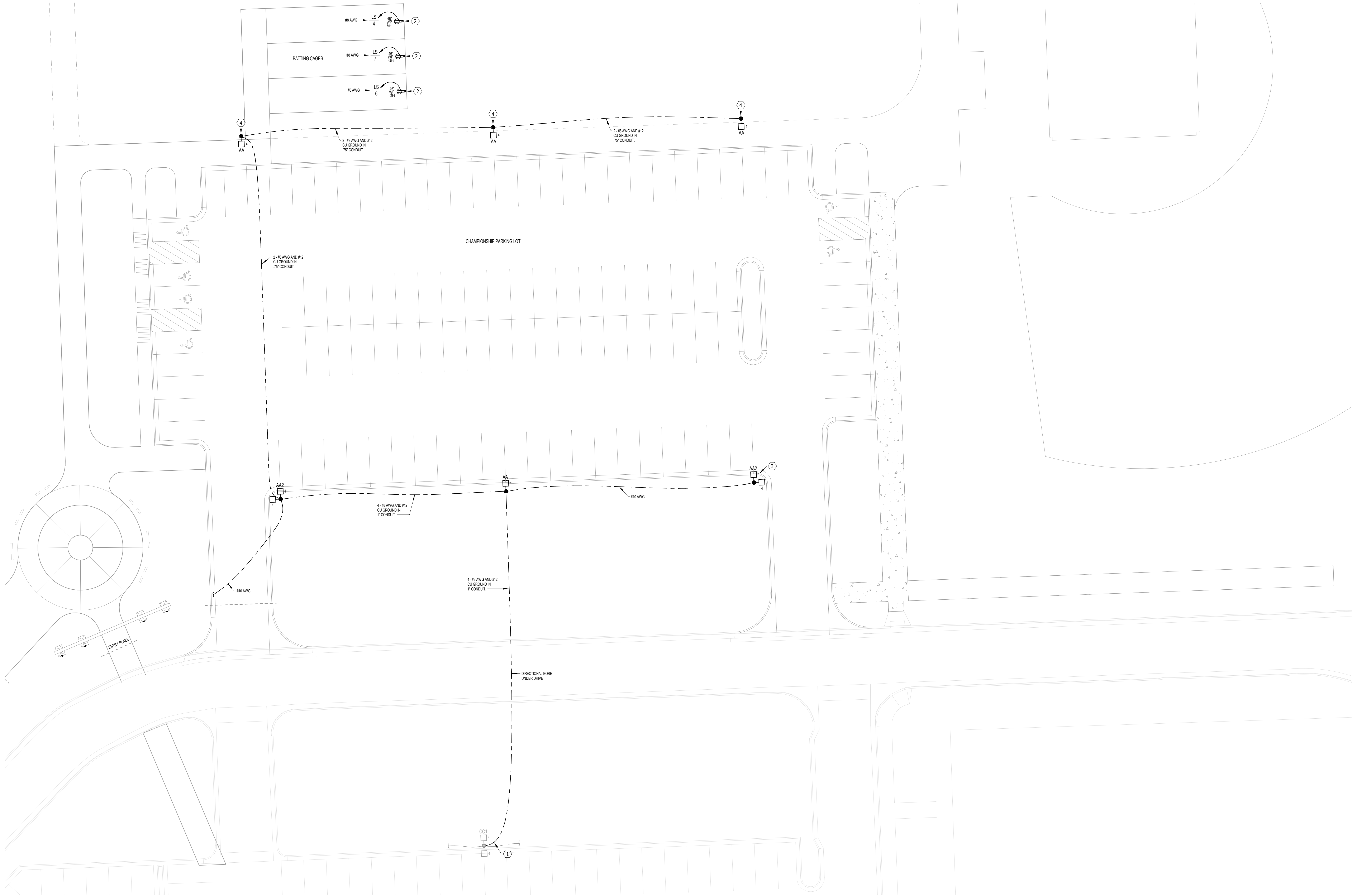
DATE	DESCRIPTION

9.20

HARRISBURG SOFTBALL/BASEBALL COMPLEX

SITE PLAN - CHAMPIONSHIP FIELD #1 - ELECTRICAL

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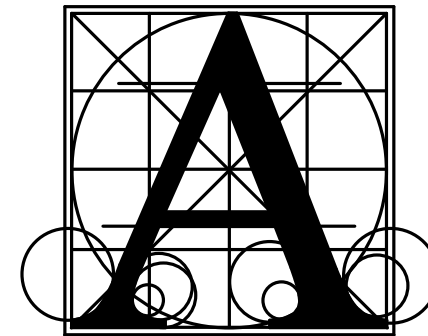
SITE PLAN - CHAMPIONSHIP PARKING LOT - ELECTRICAL

ELECTRICAL NOTES

- CONNECT TO EXISTING PARKING LOT LIGHTING BRANCH CIRCUITS (2 EACH 277V) AT EXISTING SITE LIGHTING UNIT.
- VERIFY RECEPTACLE LOCATIONS WITH OWNER. MOUNT ON POST (SEE DETAIL).
- NUMBER INDICATES OPTICAL DISTRIBUTION, TYPICAL.
- PROVIDE SHORT POLE BASE.

GENERAL SHEET NOTES

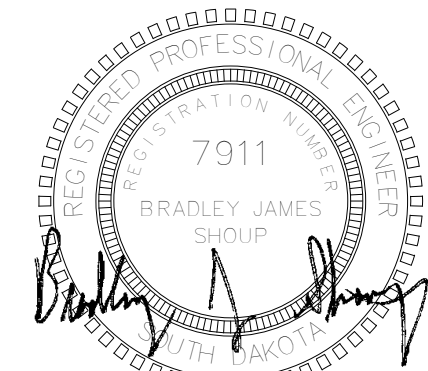
- A. UNLESS NOTED OTHERWISE, EACH SITE LIGHTING UNIT SHALL HAVE A TALL POLE BASE.



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Project

HARRISBURG SOFTBALL/BASEBALL COMPLEX

Sheet Contents

SITE PLAN - CHAMPIONSHIP PARKING LOT - ELECTRICAL

number 1101.2822.18

date MAY 21, 2024

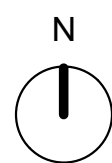
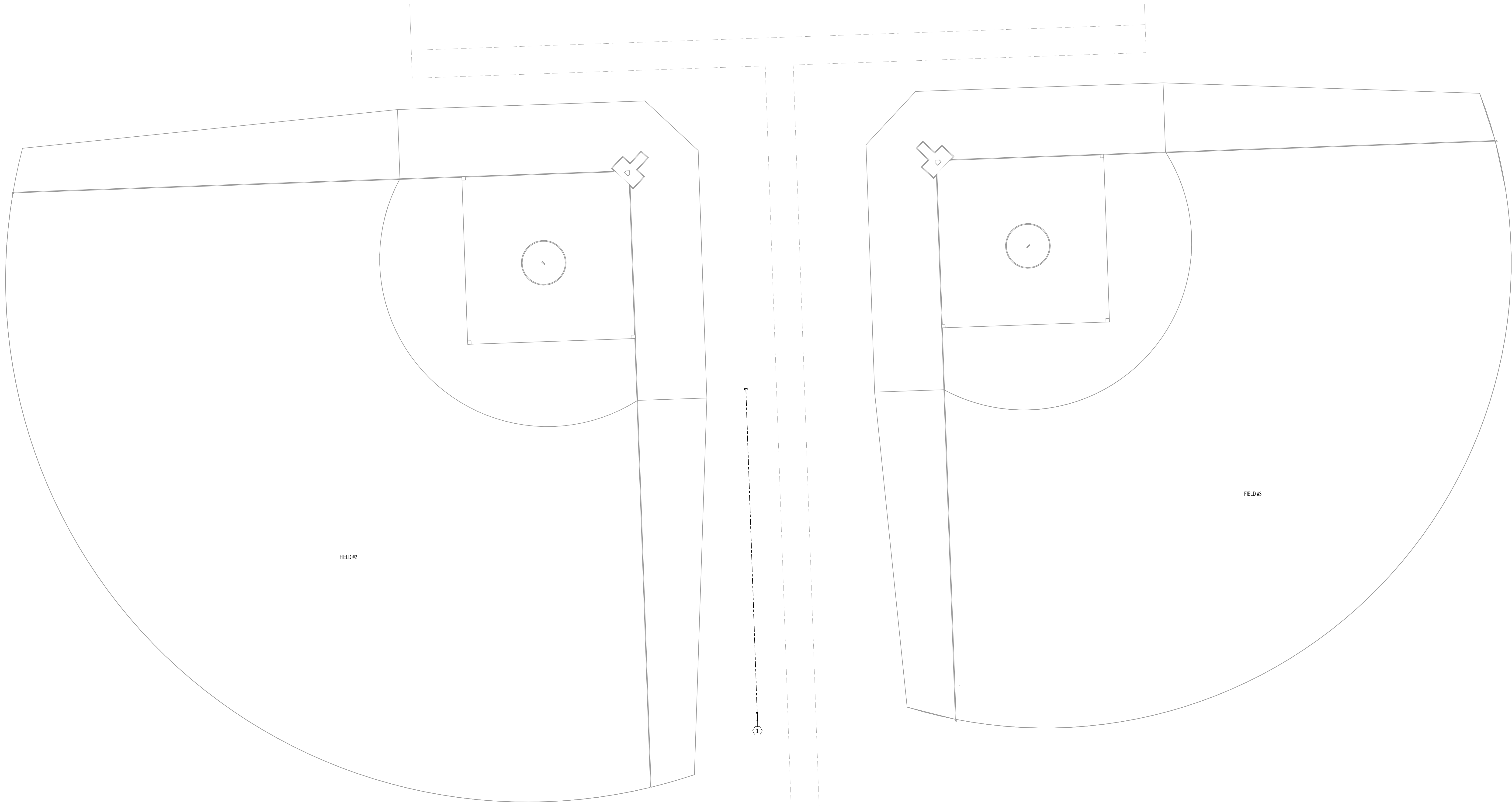
revision

drawn ADP checked BJS

DATE	DESCRIPTION

9.21

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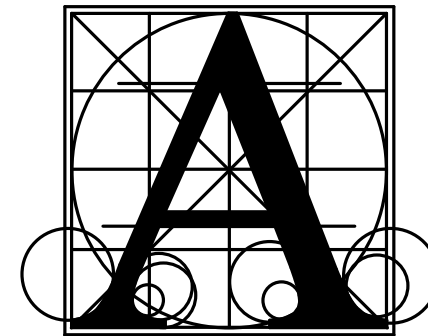


SITE PLAN - FIELD #2 & #3 - ELECTRICAL

SCALE 0 8 16 24 32

ELECTRICAL NOTES

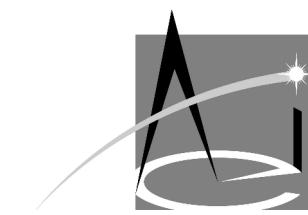
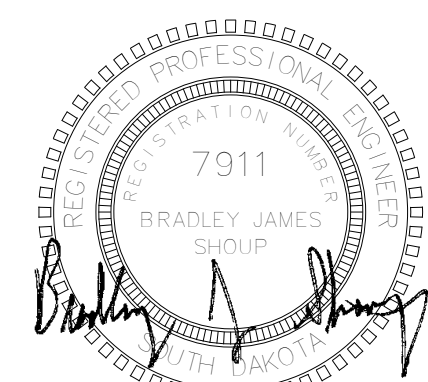
1 1" CONDUIT TO PANEL "LS"



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DATE	DESCRIPTION

9.22

HARRISBURG SOFTBALL/BASEBALL COMPLEX

SITE PLAN - FIELD #2 & #3 - ELECTRICAL

ELECTRICAL SPECIFICATIONS:

The work shall include all electrical work indicated on the Drawings and these specifications that are complementary to the electrical construction portion of this project.

QUALITY ASSURANCE:

Codes and Standards:

Work, materials and manner of placing material shall conform in every respect with the latest provisions of Local, State and National Codes.

Materials and equipment shall be new and of best quality, of the type best suited for the purpose intended, and be made by nationally recognized and substantially established manufacturers. The type and weight of material used for each purpose shall be as herein specified, and material shall conform with the requirements of the latest standard specifications of the "ASTM" for that particular material.

Electrical materials used in this work shall be listed by the Underwriters Laboratories, Inc. where testing is provided and shall bear their label.

Where the notation of NEMA is indicated, the equipment shall conform to National Electrical Manufacturers Association Standard.

The following list of codes, technical societies, trade organizations and governing agencies shall set the standards by which all work shall be executed:

City Electrical Ordinances
City Electrical Standards and Templates
State Electrical Laws and Statutes
National Electrical Code (NEC) Current Edition
National Board of Fire Underwriters (NBFU)
National Electrical Manufacturers Association (NEMA)
Underwriters Laboratories (UL)
Electrical Testing Laboratory (ETL)

SUBMITTALS:

The Contractor shall submit one (1) electronic copy of all shop drawings to the Engineer. Major components of the system shall be submitted at one time.

Shop drawings shall indicate catalog number, dimensions, voltage and current characteristics, wire sizes, construction and rough in data of all materials to be used. Each shop drawing shall be certified as being checked and approved by the Contractor before submittal.

Shop drawings not indicated as being approved by the Contractor will be returned without review.

The Contractor shall maintain two copies of approved shop drawings to be submitted with the Operating and Maintenance Manual.

The Engineer is not an error checker. Shop drawings submitted in error or with errors as compared to Specifications and Drawings will be the responsibility of the Contractor.

Shop drawings must only be those materials as specified or approved in published addendum. Others will be returned without review.

Submittals shall be provided for:

Underground Warning Tape
Panelboards
Wiring Devices,
Lighting Fixtures

Guarantee:

This Contractor shall assume responsibility for any defects which may develop in any part of his work caused by faulty workmanship, material or equipment, and agrees to replace, repair or alter, at his expense, any such faulty workmanship, material or equipment that has been brought to his attention during a period of one year from the date of the final certificate for payment. Acceptance of the work shall not waive this guarantee.

Operating and Maintenance Instructions:

This Contractor shall furnish two (2) copies of complete catalog data, manufacturer's literature and detailed manuals covering the operating, maintenance of equipment and parts list specified under this Division of the Specification.

JOB CONDITIONS:

Fees and Service Charges:

Permits, licenses, fees and service charges required in connection with the work shall be secured and paid for by this Contractor, and upon completion of the work he shall furnish proof of acceptance from the proper Local or State Department having jurisdiction.

Final Inspection:

Upon completion of the work, the Contractor shall notify the Architect or Engineer and make arrangements for a final observation. After the final observation is made, the Contractor will receive a list of items requiring adjustment, correction, replacement, or completion.

The Contractor shall comply completely with all the listed requirements within a negotiated number of days of receipt of list. Should the Contractor fail to complete items on the list within this time limit, the Owner reserves the right to have the work completed by others and the cost deducted from the contract price, including change orders.

BASIC MATERIALS AND METHODS

The section shall include but not be limited to:

Conduit, Fittings and Supports
Outlet Boxes, Pull Boxes and Junction Boxes
Wire and Cable
Location of Outlets and Equipment
Equipment Identification and Cleanup
Grounding
Panelboards
Wiring Devices
Lighting Fixtures

CONDUIT, FITTINGS AND SUPPORT:

Unless otherwise noted or allowed by following paragraphs, all wiring 120V or greater shall be in conduit. Conduit shall be galvanized rigid steel (GRS), intermediate metallic conduit (IMC), electrical metallic tubing (EMT) or poly-vinyl chloride (PVC).

Conduits shall be sized as required by the NEC for number and size of conductors installed except that 1 inch shall be minimum size for branch circuit home runs and 1/2 inch shall be minimum size for other conduit runs. Maximum size shall be as allowed by the NEC and within the limits of commonly manufactured sizes. Conduit joints shall be cut square, threaded, reamed smooth and drawn up tight. Bends or offsets shall be made with standard conduit ells or field bends made with an approved bender.

Conduit and raceways shall be securely fastened with suitable fastenings.

Concealed conduits shall be run in a direct line with long sweep bends and offsets. Exposed conduits shall be run parallel to and at right angles to building lines and neatly grouped and supported with approved conduit hangers or channel supports. Conduits shall be continuous from outlet to outlet, from outlets to cabinets, pull or junction boxes and shall be secured to all boxes with locknuts and bushings. Conduit ends shall be capped to prevent entrance of foreign materials during construction. Changes in conduit sizes shall occur only at junction boxes. On conduit systems the connector fitting shall be of the insulated throat type. Conduit, elbows and couplings shall be as manufactured by Allied Tube & Conduit, The Republic Steel Company, Triangle, or equal and approved. Conduit fittings shall be of steel as manufactured by The Thomas and Betts Co., Steel City Company, Raco, or equal and approved.

Galvanized Rigid Steel Conduit: Galvanized rigid steel conduit (GRC) shall be used for all exterior exposed conduits above grade. Fittings shall be as specified above.

Intermediate Metal Conduit: Intermediate metal conduit (IMC) may be used in place of GRC, except where prohibited by the NEC. Fittings shall be threaded and installation shall comply with the previous paragraphs as specified herein.

Electrical Metallic Tubing: Electrical metallic tubing (EMT) may be used in equipment enclosures. EMT shall not be used in slab on grade, where exposed to moisture or earth or outside where exposed to weather. Indenter fitting shall not be used. Pressure cast fittings shall not be used. Set screw fittings may be used.

Rigid Non_Metallic Conduit (PVC): Use of PVC is specifically limited to underground or under slab-on-grade applications with all risers transitioned to metal conduit prior to extending above ground or above slab. Rigid non_metallic conduit (PVC) shall be made of virgin polyvinyl chloride resin, extruded, Schedule 40 or 80 PVC rigid conduit, light gray in color, supplied in 20 or 10 foot lengths each with a coupling. It shall be U.L. listed and bear the label for use underground direct burial and concrete encased. It shall be cut square with rough edges removed from ends to protect the wires from abrasion. Connections shall be made by solvent welding. Fittings shall be U.L. listed and installed in accordance with the manufacturer's recommended procedures. Expansion joints shall be provided wherever conduit crosses building expansion joints or where a wide temperature differential exists. Conduit and fittings shall be manufactured by Carlon, CertainTeed, Cantex or Johns_Manville. Rigid non_metallic conduit may be used for underground feeders and branch circuits. Transition to GRS conduit must occur before the conduit is exposed. All 90o ells must be made with galvanized rigid metal conduit. Rigid non_metallic conduit shall not be installed in concrete but may be installed below concrete slab.

Underground Warning Tape: Permanent, bright colored, continuous-printed, vinyl tape. Tape shall be not less than 6 inches wide by 4 mils thick, compounded for permanent direct-burial service, with embedded continuous metallic strip or core, and have a printed legend that indicates type of underground line.

OUTLET BOXES, PULL BOXES AND JUNCTION BOXES:

Outlet boxes shall be galvanized steel standard electrical type with knockout openings as required and shall be manufactured by Appleton, Steel City, National Electric, Raco, or equal and approved. Outlet boxes shall be at least 1_1/2 inches deep, single or gang style type of size to accommodate devices noted. Outlet boxes in masonry walls may be special masonry type. Outlet boxes on exposed conduit runs in unfinished areas and equipment rooms shall be 4 inch square or multi_gang boxes with matching raised covers. Outlet boxes on exposed conduit runs in finished areas or where indicated shall be cast FS type with covers as specified elsewhere. Exterior outlet boxes shall be cast aluminum type with weatherproof in-use cover, similar to . Outlet boxes for receptacle devices shall be provided with grounding lead lug or screw.

Outlet boxes installed in masonry, tile or concrete surfaces shall be provided with square corner type extension rings where special masonry boxes are not used. Outlet boxes shall be protected from entrance of foreign materials during the construction period.

Outlet boxes shall be concealed except where shown or noted otherwise. Outlet boxes, plaster rings or extension rings shall be installed flush with the finished surface. Openings for boxes in masonry, tile, paneling or similar surfaces shall be cut in by trades installing the surface material and shall be exact box size. The Contractor shall verify type and depth of finished surface so that outlet will be flush.

Outlet boxes noted as WP (weatherproof) shall be a flush FS type box with at least 4 machine screw connections for a gasketed device and cover.

WIRE AND CABLE:

General:

Wire and cable for feeder and branch circuits shall conform to the requirements of the current edition of the NEC and shall meet all relevant ASTM Specifications. Conductors shall be 600 volt rated, coated soft_drawn copper and unsoft_drawn copper and unless otherwise noted on the Plans and in these Specifications, shall have type THHN/THWN insulation. Wire and cable shall not be older than 12 months.

Aluminum wire shall not be used.

Conductor sizes shall be standard American wire gauge sizes and shall be as noted on the Drawings. Conductors No. 12 and smaller shall be solid; No. 10 and larger, stranded. Minimum size shall be No. 12, unless otherwise noted. Wire size requirements larger than No. 12 shall be as noted on Drawings or as required for the load.

Wire and cable shall be delivered to the job in standard coils or reels without splices and with approved tag noting length, wire size, insulation type, and manufacturer's name; shall be suitably protected from weather and damage during storage and handling.

Branch circuit lighting, receptacle and power wire shall be type THWN/THHN copper wire. Wire for special systems shall be as specified for the system. Service cables and panel feeders shall be type THWN/THHN.

Wire shall not be drawn into conduit until after the conduit system is complete and has been thoroughly swabbed out. Wire shall not be drawn into conduit in such a manner as to injure the insulation. Splices shall be made on building wire with solderless_tapeless_mechanical wire connectors with spring action to maintain constant pressure on the conductors. Connections shall be Scotchlok Brand, Type Y, R and B, or equal and approved.

Wire and cable shall be factory_color_coded by integral pigmentation, with a separate color for each phase and neutral conductor. The color code shall be used consistently throughout the electrical installation.

LOCATION OF OUTLETS AND EQUIPMENT:

Outlets shall be installed at the heights and approximate designated positions as shown on Drawings and in the symbol legend, coordinate exact locations with the engineer in the field.

EQUIPMENT IDENTIFICATION AND CLEANUP:

The electrical equipment furnished by this Contractor shall be provided with identification indicating its use or function. Equipment to be identified shall include, but not be limited to, panelboards, special system control panels, special lighting or control switches, special receptacles, junction boxes and empty conduits provided for future use. Normal use lighting switches, receptacles and conduit will not require identification.

Identification shall be with black laminated plastic plates with white engraved letters mounted with drive pins or other approved fasteners. Standard lettering height shall be 1/8 inch. In equipment rooms and unfinished areas, painted stencils or engraved plates shall be used for identification.

Each panelboard shall be provided with a neatly typed directory with plastic protector, of circuits describing loads and areas served.

Hand lettering of identification will not be acceptable. Temporary labels used during construction shall be completely removed and surface repainted if required.

Cleanup: Special care must be taken for protection of panels, switches, light fixtures, etc. Damage from rust, paint, scratches, etc., shall be corrected as directed by the Engineer. Clean switchgear, controls, light fixtures, wiring devices, etc. and take special care to remove dirt, mortar, wire scraps, etc. from junction boxes and switchgear interiors. Clean light fixtures and lamps thoroughly, just prior to final inspection.

GROUNDING:

The conduit system and service neutral conductor shall be grounded together at the service entrance, see detail.

Grounding shall be in accordance with the NEC, as shown on the Drawings and as hereinafter specified.

For metallic conduits which terminate without mechanical connection to a housing of electrical equipment by means of locknut and bushings or adapters shall be provided with grounding bushings. Bushings shall be connected with a bare grounding conductor to the equipment ground bus.

Connect metallic conduits, which terminate without mechanical connection to the housing, by grounding bushings and ground wire to the ground bus.

For conduit systems: All conduit systems shall be provided with a separate ground conductor.

For feeders and branch circuits: Install green grounding conductors with all feeders and branch circuits. Bond the grounding wires to each pullbox, junction box, outlet box, cabinets and other enclosures through which the ground wires pass. Provide lugs in each box and enclosure for ground wire termination.

CONNECTIONS TO SPECIAL EQUIPMENT:

Special equipment is hereby defined as equipment that is not specified under this contract but requires connections by this Contractor, as indicated on the Drawings. Such connections shall be performed by this Contractor. This Contractor shall verify the locations of such connections by securing from the equipment suppliers, templates, detail Drawings and roughing_in measurements. Unless otherwise specified the Contractor responsible for furnishing such equipment is also responsible for setting the equipment in place. Equipment included in this Division of the Specifications, requiring connections by other Contractors, shall be provided with proper openings, lappings, flanges, etc., ready for final connections.

PANELBOARDS:

All panels shall be constructed of sheet steel of thickness required by code. Enclosures shall be NEMA 3R and shall be equipped with lock.

Panels shall be factory finished with prime coat and flat green baked enamel finish coat. Panels shall provide a minimum of 4_gutter on all sides and be of depth to accommodate number and sizes of conduits entering. A circuit directory and holder with plastic protection shall be provided on the inside of the door. Panels shall be UL listed, suitable for 120/208V, 3PH, 4W applications, with mounting as indicated on the drawings. Panels shall be factory assembled type, of the dead front type and all bussing shall be copper. Neutral bus bars shall be full capacity and shall contain box type lugs for each circuit. Sizes, branches, mounting, etc., shall be as indicated on the drawings.

Circuit breakers shall be the bolt-on thermal magnetic type with a minimum interrupting rating of 10,000 A.I.C. Panels shall be equal to Square D Type NQOD with QOB breakers. Circuit breakers shall be of the inverse time thermal magnetic type.

WIRING DEVICES:

Wiring devices shall be as specified below and as manufactured by Hubbell, Arrow Hart, Pass and Seymour, Leviton, General Electric or equal and approved.

Duplex receptacles shall be specification grade, 20 AMPS, 125 volt, GFCI, listed weather-resistant type, 3 wire grounding type with grounding terminal and terminals arranged for back or side wiring. Devices shall have gray finish. Provide "While-in-use", heavy duty die cast covers.

LIGHTING FIXTURES:

This Contractor shall furnish and install as shown or specified herein conduit, wire, lighting fixtures, lamps and controls. The section shall include but not be limited to:

Lighting Fixtures

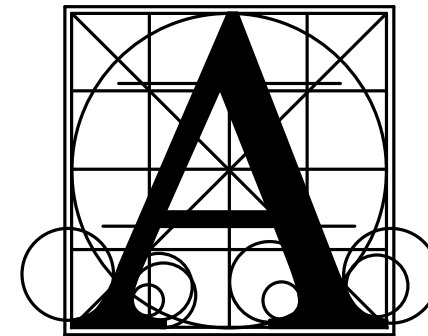
Unless noted otherwise lighting units and fixtures shall be as scheduled and detailed on the drawings and shall be provided by the contractor. Wire terminations at lighting unit bases and associated in-grade junction boxes shall be by the contractor, the contractor shall complete the installation and assembly of the lighting units including wiring from the light fixture (including terminations) and receptacle (including terminations) to the base in accordance with city standards.

QUALITY ASSURANCE:

Lighting fixtures shall conform to latest NEMA Standards.

LIGHTING FIXTURES:

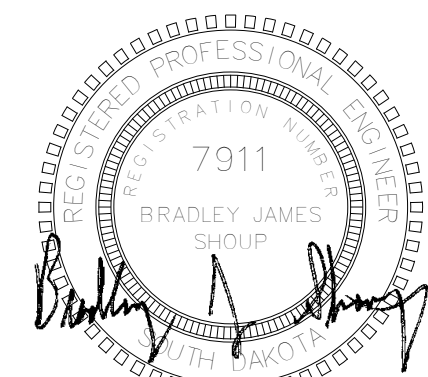
Capital letter at fixture outlet symbol or in note on Drawings indicates the fixture type. Lower case letter at outlet symbol indicates switching pattern. Any outlets not specifically labeled shall be equipped with fixture similar to those in rooms used for like purposes.



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Project

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revision	
drawn	Author checked Checker
DATE	DESCRIPTION

9.31

HARRISBURG SOFTBALL/BASEBALL COMPLEX

sheet contents

ELECTRICAL SPECIFICATIONS