

SECTION 009113 – ADDENDUM TWO

PART 1 - ADDENDA

1.1 PROJECT INFORMATION

- A. Project Name: 22034.02 Meridian High School Additions, Renovations and Ballfield Rebid
- B. Owner: Meridian Public School District, 1019 25th Avenue, Meridian, MS 38391
- C. Architect: Dale | Bailey, an Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201-2100
- D. Architect Project Number: 22034.02
- E. Date of Addendum Two: 12 January 2024



1.2 NOTICE TO BIDDERS

- A. 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.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum at same time and location.

1.3 GENERAL

- A. Attached are the annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 09 January 2024.

1.4 GENERAL RESPONSES TO REQUESTS FOR INFORMATION

- A. QUESTION: I am working on this for you now but was wondering if you can advise the letter heights required and the specific material needed? The specs call out both aluminum and stainless steel.

ANSWER: Overall Signage size is shown on 1/A201a; Aluminum.

- B. QUESTION: Spec section 323212 Segmental Block Retaining Wall was added in Addenda 1. Sheet C302 calls for a MSE Wall in 2 locations. Is this an MSE wall or Segmental Block Retaining Wall?

ANSWER: Segmental block walls are a type of MSE walls. Contractor should reference the specification 323212 Segmental Block Retaining Wall for both retaining walls shown at the baseball facility on sheet C-302.

- C. QUESTION: Structural Drawings show 5/8 plywood sheathing with Metal Roofing on the roofs of the Press Box, Dugouts and Batting Cages. Architectural Drawings do not show plywood sheathing on the roofs but show 2x4 sleepers on 24 inch centers with metal roofing. Please advise which we are using.

ANSWER: Defer to structural drawings.

- D. QUESTION: AS101 shows canopies leading from Ross Collins and the gym. Are there any details of these canopies? Also, the descriptions in the upper left corner of the page of the colored lines do not match the notes on the lines.

ANSWER: The design of this awning is delegated to the manufacturer provided that it meets the base requirements of the specifications and drawings. The Contractor is encouraged to visit the site so that they may be familiar with the variety of conditions they will encounter.

- E. QUESTION: Is a temporary fence barrier required for construction.

ANSWER: Yes, see updated RC101.

- F. QUESTION: Will the architect waive AWI requirements for millwork.

ANSWER: No, however, exception shall be made based on these criteria: 1 millwork subcontractor shall provide to the Architect 3 references from projects with similar scope and type. 2 millwork subcontractors shall provide 2 physical projects that the architect may view within a reasonable driving distance from the Architect's office; these projects must use similar materials to that specified. 3 Architect shall review the previous two points and approve the contractors use of subcontractor within 15 days.

- G. QUESTION: We are hoping to submit a bid for the horizontal louver blinds at Meridian HS. We are having a hard time finding the windows that are calling for blinds.

ANSWER: See Administrative Room Finish Schedule on A-611 under window applications for rooms that will have blinds.

- H. QUESTION: I do not see a Bid Form in the Specs. It is listed in the Table of Contents as 004113 but that Spec Section is not included.

ANSWER: See attached form.

- I. QUESTION: E 004a has a note to Coordinate with Mississippi Power upgrading existing service lines. Is this cost going to be covered by the Owner.

ANSWER: See added allowance to cover this cost.

- J. QUESTION: The note beside the Ada platform says the supporting steel will galvanize- is that to be the finish or will the steel prime/paint as well? Is the stair unit at the start of the ramp to galvanize as well or only shop coat primer and finish paint? Will they want the ramp rail to be galvanized.
- ANSWER: Concerning galvanization, yes, see specification section 051200 3.16 B. Galvanization is intended to be the finish coat on all exterior steel unless noted otherwise on drawings.
- K. QUESTION: Is there a layout, or any specifications that show or state what type and color of field markings, logos, or letters are required for the synthetic turf baseball field.
- ANSWER: Color Notes are indicated on A-101b #1. 50' Square logo indicated on drawings to be located during shop drawings submittal phase and to be Meridians Standard Logo and colors.
- L. QUESTION: I was looking at the Electrical drawings and there are several drawings with buildings that I did not think were included in our scope of work. E103A, E105A, E106A, E107A, E108A etc. Are these pages possibly left over from the previous bid package? Please advise.
- ANSWER: These sheets are part of the access control portion of work.
- M. QUESTION: Can you provide me with more information (drawings and spec) on the trench drains noted on C-501?
- ANSWER: See attached specification section 334236.
- N. QUESTION: Bleacher Spec seems to call for aluminum planks attached to a concrete substrate. Plans appear to show an Angle Frame Bleacher on level concrete pad. Which is desired?
- ANSWER: Bleachers are intended to be manufacturers' design using metal structure and aluminum planks.
- O. QUESTION: Bleacher plans appear to show picket guardrail. Standard would be chain link guardrails. Which is desired?
- ANSWER: Picket style guardrails are preferred.
- P. QUESTION: Spec Section 333113.01 was added in Addendum 1 but I do not see any indications of where this may be used in the drawings. Please provide information regarding where this may be required.
- ANSWER: This section is not required but may be needed during construction.
- Q. QUESTION: Note 1-20 on C-10 requires CCTV on all New Sewer and Storm Drain Lines, but I do not see any indication that the existing lines are required to be examined by camera. Please Clarify.
- ANSWER: Only the new lines need to be inspected/camera-ed. The owner already completed CCTV work on the existing system which is how some of the required repairs/scope have been established.

1.5 REVISIONS TO DRAWINGS

- A. Sheet AS101 – Architectural Site Layout (Revised). Added guard shack location and awning brick detail.
- B. Sheet A-491 – Restroom Details (Revised). Added quantities to toilet accessories..
- C. Sheet RC101 – Site Layout & Access (Revised). Corrected print issue and added clear temporary fencing layout for project.
- D. Sheet E-004A – Electrical Renovation Site Plan (Revised). Added power for modular building.
- E. Sheet E-201B – Overall Power Plan (Revised). Deleted power for modular building.

1.6 REVISIONS TO SPECIFICATIONS

- A. Section 004113 – BID FORM (New).
- B. Section 334236 – STORMWATER TRENCH DRAINS (New).

1.7 ATTACHMENTS

- A. Annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 09 January 2024.
- B. This Addendum includes the following attached Specifications.
 - 1. Specification 004113 – Bid Form dated 12 January 2024.
 - 2. Specification 334236 – Stormwater Trench Drains dated 12 January 2024.
- C. This Addendum includes the following attached Drawings.
 - 1. Sheet A-491 – Restroom Details dated 12 January 2024.
 - 2. Sheet AS101 – Architectural Site Layout dated 12 January 2024.
 - 3. Sheet RC101 – Site Layout & Access dated 12 January 2024.
 - 4. Sheet E-004a – Electrical Renovation Site Plan dated 12 January 2024.
 - 5. Sheet E-201b – Overall, Power Plan dated 12 January 2024.

END OF ADDENDUM TWO

Agenda

Minutes 1/9/24

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

09 January 2024

22034.02 MHS Additions, Renovations, & Ballfield Rebid / Pre-Bid Meeting

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

1. General

- a. Please silence cell phones
- b. Sign-in sheet: Minutes will include list of meeting attendees
- c. Plan holders list: Minutes will include list of plan holders
- d. Description: Project includes a major addition at the existing high school campus to include masonry, metal panels, and storefront assemblies as well as all typical new construction divisions. Also, the conversion of an existing practice field to a fully turfed baseball field is included with accompanying pressbox, dugouts, and bleachers as well as a small parking area. Other miscellaneous work in various areas of the campus include door and awning work.

2. Team

- a. OwnerMeridian Public School District
Director of Operations Clay Sims
- b. Superintendent Dr. Amy Carter
- c. Bailey Program Manager Jason Stewart
- d. Architect.....Dale Bailey Architects/Jackson Mississippi
 1. principal in charge..... Russ Blount
 2. project manager..... Paul Purser
- e. Civil.....WGK, Inc./ Brandon McKay / 601.925.4444
- f. StructuralStructural Design Group / Will Grigg / 615.255.5537
- g. Mechanical.....GSK mechanical, Inc./Jason Kackley / 601.605.2930
- h. Electrical..... the power source PLLC / Chris Green / 601.605.4820

3. Procurement and Contracting Requirements

- a. Advertisement for Bids
 - i. Advertisement dates: 12.05.23 & 12.12.23
 - ii. Bid Receipt: Bids to be opened at 2:00 PM on Tuesday, January 16, 2024
 - iii. Bid Location: MPSD, 1019 25th Avenue, Meridian, MS 39301.
- b. Bidder Qualifications
 - i. Bidders must be properly licensed under the laws governing their respective trades

- ii. List all applicable state & local license & registration nos. on outside of bid envelope
- c. Bonding & Insurance
 - i. Bidders must be able to obtain insurance and bonds required for the Work
- d. Bid Security
 - i. A Bid Security in the amount of 5% of the total maximum bid amount is required
 - ii. Cash, cashier's check, certified check, US money order, or bid bond
- e. Bid Form and Attachments
 - i. Acknowledgement of Addenda
 - ii. Subcontractor identification
- f. Bid Submittal Requirements
 - i. Envelope requirements (re: Bid Submittal Checklist)
 - ii. Proper identification
- g. Notice of Award
 - i. Offered within 60 days after receipt of bids
 - ii. Award will be made as soon as possible & successful bidder should be ready to secure bonds & insurance immediately

4. Communication during Bidding Period

- a. Obtaining documents
 - i. Plan holders are required to register and order bid documents at www.dalebaileyplans.com
- b. Bidder's Requests for Information
 - i. Binding answers to questions must be included in an official written addendum and the Contractor or Subcontractor is encouraged to provide written communications to the Architect for proper response
 - ii. Address e-mailed written correspondence to biddinginfo@dalepartners.com
 - iii. No questions will be accepted after 5:00 PM on Wednesday, January 11, 2023 in order to allow the Architect adequate time to prepare any necessary addenda
- c. Addenda
 - i. Addendum no 101.05.24
 - ii. final addendum≤ 3:00 PM, 01.12.24

5. Contracting Requirements

- a. The Supplementary Conditions
 - i. Refer to this section for specific comments & directives
 - 1. Change order markups
 - 2. Weather delays -there shall be no extension of time due to weather
 - 3. Retainage

- 4. Stored material
- 5. Insurance
- DBW DO NOT APPLY**
- ~~6. Project to conform with Federal Davis Bacon act requirements~~

b. Other Owner requirements: verify user occupancy during construction

6. Construction Documents

- a. Use of Site
 - i. Parking
 - ii. Lay-down area **Note on updated lay down plan**
- b. Work Restrictions
 - i. Work days
 - ii. Work times
- c. Unit prices, alternates, & allowances
 - i. Unit prices:
 - 1. Provide a unit price for 8' Tall Vinyl Covered Chain Link Fence per 8 linear foot sections with 3 horizontal structural tubes per section and 1 post.
 - 2. Provide a unit price for 10' Tall x 10' Wide Extruded Aluminum Awning to match base bid installed awnings per 10 linear foot sections.
 - 3. Provide a unit price for 10' Wide Sidewalk with reinforcing fibers and 5" Deep per 1' linear foot sections; to include dirt work for basic installation over grassed surface.
 - ii. Alternates:
 - 1. Fine Arts 2nd Floor Remodel to include all work at finishes for the upper floor of the fine arts building as noticed in the contract documents.
 - 2. Upgrade from Base Bid Scoreboard to Video Scoreboard.
 - iii. Allowances:
 - 1. Five Hundred Thousand Dollars (\$500,000.00) total for **Construction Contingency Allowance.**
 - 2. One Hundred Fifteen Thousand Dollars (\$115,000.00) total for **General Door Hardware Allowance.** Allowance is for material only; installation should be included in base bid.
 - 3. Ninety Thousand Dollars (\$90,000.00) total for **Access Control Door Hardware Allowance.** Allowance is for material only; installation should be included in base bid.
 - 4. One Hundred Thousand Dollars (\$100,000.00) total for **Additional Fence Allowance** Beyond Base Bid.
 - 5. One Hundred Thousand Dollars (\$100,000.00) total for **Additional Ground Supported Awning** Beyond Base Bid Allowance.
 - 6. Fifty Thousand Dollars (\$50,000.00) total for **Additional Sidewalk** Allowance.
- d. Substitutions following award
 - i. Substitutions will be considered within 30 days of the contract award
 - ii. Burden of proof of "equal" will be on the Contractor or Vendor

7. Schedule

- a. Project Schedule
 - i. GC to provide CPM type schedule, regularly updated
- b. Contract Time
 - i. estimated notice to proceed date - January 29, 2024
 - ii. Project to be fully complete by February 15, 2025
- c. Liquidated Damages
 - i. \$500 each calendar day of the delay after Contract Time
- d. Other Bidder Questions

8. Post-Meeting Addendum

- a. May be issued, as necessary to document the meeting questions & provide proper responses

9. Other Bidder Questions

- a. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and Contracting Documents
- b. Modifications to the Procurement and Contracting Documents are issued by written Addendum only

10. Site/facility visit or walkthrough

End

Tommy Shook Sports Contractors Unlimited LLC
TShook@SCULLC.com 601 818 0070

Clay Sims Meridian Public Schools. 601 938 6992
csims@mpsck12.net

Derek Perry Thrash Commercial Contractors 601-813-7878
dperry@thrashco.com

Gerry Logan Musco 662 402 1080
gerry.logan@musco.com

Ross Blount, PALE BOILER 601-291-1811 rossblount@ddepct-mo.com

Bray Wattins Foremost Foundations & Construction

Steve Folk FOREMOST FOUNDATIONS. 601-842-3758
STEVE@FOREMOSTFOUNDATIONS.COM

PAUL PASTER DALE BAZLEY 601 506 9093

DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: 22034.02 Meridian High School Additions, Renovations and Ballfield Rebid.
- C. Project Location: 2320 32nd St, Meridian, MS 39305.
- D. Owner: Meridian Public School District, 1019 25th Avenue, Meridian, MS 38391.
- E. Architect: Dale | Bailey, An Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201-2100.
- F. Architect Project Number: 22034.02.

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Dale|Bailey and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
1. _____ Dollars
(\$_____).
 2. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004322 "Unit Prices Form" and Document 004323 "Alternates Form."

1.3 ALLOWANCES. Include the allowances below. Refer to section 012100-ALLOWANCES.

- A. Allowance No. 01: Lump Sum Contingency Allowance of Five Hundred Thousand Dollars (\$500,000.00).
- B. Allowance No. 02: General Door Hardware Allowance of One Hundred Fifteen Thousand Dollars (\$115,000.00).
- C. Allowance No. 03: Access Control Door Hardware Allowance of Ninety Thousand Dollars (\$90,000.00).
- D. Allowance No. 04: Additional Fence Allowance Beyond Base Bid of One Hundred Thousand Dollars (\$100,000.00).

- E. Allowance No. 05: Additional Ground Supported Awning Beyond Base Bid Allowance of One Hundred Thousand Dollars (\$100,000.00).
- F. Allowance No. 06: Additional Sidewalk Beyond Base Bid Allowance of Fifty Thousand Dollars (\$50,000.00).
- G. Allowance No. 07: Utility Power Allowance of Forty Thousand Dollars (\$40,000.00).

1.4 UNIT RATES. Refer to Section 012200 - Unit Prices for description of Unit Prices.

- A. Unit Price 01: Provide a unit price for 8' Tall Vinyl Covered Chain Link Fence \$_____ / 8 Linear Feet.
- B. Unit Price 02: Provide a price for Aluminum Awning \$_____ / 10 Linear Feet.
- C. Unit Price 03: Provide a unit price for 10' Wide Sidewalk \$_____ / 1 Linear Feet.

1.5 ALTERNATES. Refer to Section 012300 - Alternates for description of Alternates.

- A. Additive Alternate No. 01: Fine Arts 2nd Floor Remodel to include all work at finishes for the upper floor of the fine arts building as noticed in the contract documents.

_____ Dollars
 (\$_____).

- B. Alternate No. 02: Upgrade from Base Bid Scoreboard to Video Scoreboard.

_____ Dollars
 (\$_____).

1.6 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 . days after a written Notice of Award, if offered within 90 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

_____ Dollars
 (\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.7 SUBCONTRACTORS AND SUPPLIERS

A. The following companies shall execute subcontracts for the portions of the Work indicated:

- 1. Concrete Work: _____.
- 2. Masonry Work: _____.
- 3. Roofing Work: _____.
- 4. Plumbing Work: _____.
- 5. HVAC Work: _____.
- 6. Electrical Work: _____.

1.8 TIME OF COMPLETION

A. Successful bidder shall begin the Work on receipt of the Notice to Proceed and shall complete the Work by Substantial Completion February 15, 2025. The work is subject to liquidated damages.

1.9 ACKNOWLEDGMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- 1. Addendum No. 1, dated _____.
- 2. Addendum No. 2, dated _____.

1.10 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto.

- 1. Bid Form Supplement - Bid Bond Form (AIA Document A310-2010).

1.11 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor for the type of work proposed in Mississippi, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.12 SUBMISSION OF BID

A. Respectfully submitted this _____ day of _____, 2024.

Addendum Two
Meridian High School
Additions, Renovations and
Ballfield Rebid
Meridian, Mississippi

- B. Submitted By: _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witnessed By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Email: _____.
- M. Phone: _____.
- N. License No.: _____.
- O. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113

SECTION 334236 - STORMWATER TRENCH DRAINS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Ductile-iron culvert pipe and fittings.
2. PE pipe and fittings.
3. Non-pressure transition couplings.
4. Drains.
5. Encasement for piping.

1.2 DEFINITIONS

- A. FRP: Fiberglass-reinforced plastic.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Show pipe sizes, locations, and elevations. Show other piping in same trench and clearances from storm drainage system piping. Indicate interface and spatial relationship between manholes, piping, and proximate structures.

1.5 QUALITY ASSURANCE

- A. Piping materials shall bear label, stamp, or other markings of specified testing agency.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect pipe, pipe fittings, and seals from dirt and damage.

1.7 FIELD CONDITIONS

- A. Interruption of Existing Storm Drainage Service: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service in accordance with requirements indicated:

1. Notify Owner no fewer than two days in advance of proposed interruption of service.

2. Do not proceed with interruption of service without Owner's written permission.

PART 2 - PRODUCTS

2.1 DUCTILE-IRON, CULVERT PIPE AND FITTINGS

- A. Pipe: ASTM A716, for push-on joints.
- B. Standard Fittings: AWWA C110/A21.10, ductile or gray iron, for push-on joints.
- C. Compact Fittings: AWWA C153/A21.53, for push-on joints.
- D. Gaskets: AWWA C111/A21.11, rubber.

2.2 NONPRESSURE TRANSITION COUPLINGS

- A. Comply with ASTM C1173, elastomeric, sleeve-type, reducing or transition coupling, for joining underground nonpressure piping. Include ends of same sizes as piping to be joined, and corrosion-resistant-metal tension band and tightening mechanism on each end.
- B. Sleeve Materials:
 1. For Concrete Pipes: **ASTM C443**, rubber.
 2. For Cast-Iron Soil Pipes: ASTM C564, rubber.
 3. For Fiberglass Pipes: ASTM F477, elastomeric seal or ASTM D5926, PVC.
 4. For Plastic Pipes: ASTM F477, elastomeric seal or ASTM D5926, PVC.
 5. For Dissimilar Pipes: ASTM D5926, PVC or other material compatible with pipe materials being joined.

2.3 DRAINS

- A. Cast-Iron Trench Drains:
 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Jay R. Smith Mfg Co; a division of Morris Group International
 - b. Josam Company
 - c. MIFAB, Inc
 - d. Tyler Pipe; a subsidiary of McWane Inc.
 - e. WATTS; A Watts Water Technologies Company
 2. Source Limitations: Obtain cast-iron trench drains from single manufacturer.
 3. Description: ASME A112.6.3, **6-inch-** wide top surface, rectangular body with anchor flange or other anchoring device, and rectangular secured grate. Include units of total length indicated and quantity of bottom outlets with inside caulk or spigot connections, of sizes indicated.
 4. Top-Loading Classification(s): Medium Duty.

- B. Grate Openings: 3/8 inch circular or 3/8-by-3-inch slots.

2.4 ENCASUREMENT FOR PIPING

- A. Standard: ASTM A674 or AWWA C105/A21.5.
- B. Material: Linear low-density polyethylene film of 0.008-inch, or, cross-laminated HDPE film of 0.004-inch minimum thickness.
- C. Form: Sheet, or, tube.
- D. Color: Black, or, natural.

PART 3 - EXECUTION

3.1 EARTHWORK

- A. Excavation, trenching, and backfilling are specified in Section 312000 "Earth Moving."

3.2 PIPE JOINT CONSTRUCTION

- A. Join gravity-flow, nonpressure drainage piping in accordance with the following:
 1. Join hub-and-spigot, cast-iron soil piping with gasketed joints in accordance with CISPI's "Cast Iron Soil Pipe and Fittings Handbook" for compression joints.
 2. Join hub-and-spigot, cast-iron soil piping with caulked joints in accordance with CISPI's "Cast Iron Soil Pipe and Fittings Handbook" for lead and oakum caulked joints.
 3. Join hubless cast-iron soil piping in accordance with CISPI 310 and CISPI's "Cast Iron Soil Pipe and Fittings Handbook" for hubless-coupling joints.
 4. Join ductile-iron culvert piping in accordance with AWWA C600 for push-on joints.
 5. Join ductile-iron piping and special fittings in accordance with AWWA C600 or AWWA M41.
 6. Join corrugated-steel sewer piping in accordance with ASTM A798/A798M.
 7. Join corrugated-aluminum sewer piping in accordance with ASTM B788/B788M.
 8. Join ABS sewer piping in accordance with ASTM D2321 for elastomeric-seal joints.
 9. Join corrugated-PE piping in accordance with ASTM D3212 for push-on joints.
 10. Join PVC cellular-core piping in accordance with ASTM D2321 and ASTM F891 for solvent-cemented joints.
 11. Join PVC corrugated sewer piping in accordance with ASTM D2321 for elastomeric-seal joints.
 12. Join PVC sewer piping in accordance with ASTM D2321 and ASTM D3034 for elastomeric-seal joints or ASTM D3034 for elastomeric-gasketed joints.
 13. Join PVC profile gravity sewer piping in accordance with ASTM D2321 for elastomeric-seal joints or ASTM F794 for gasketed joints.
 14. Join fiberglass sewer piping in accordance with ASTM D3839 for elastomeric-seal joints.
 15. Join nonreinforced-concrete sewer piping in accordance with **ASTM C14** and ACPA's "Concrete Pipe Installation Manual" for rubber-gasketed joints.

16. Join reinforced-concrete sewer piping in accordance with ACPA's "Concrete Pipe Installation Manual" for rubber-gasketed joints.
17. Join dissimilar pipe materials with nonpressure-type flexible couplings.

B. Join force-main pressure piping in accordance with the following:

1. Join ductile-iron pressure piping in accordance with AWWA C600 or AWWA M41 for push-on joints.
2. Join ductile-iron special fittings in accordance with AWWA C600 or AWWA M41 for push-on joints.
3. Join PVC pressure piping in accordance with AWWA M23 for gasketed joints.
4. Join PVC water-service piping in accordance with ASTM D2855 for solvent-cemented joints.
5. Join dissimilar pipe materials with pressure-type couplings.

3.3 DRAIN INSTALLATION

A. Install type of drains in locations indicated.

1. Use Medium-Duty, top-loading classification drains in paved foot-traffic areas.

B. Embed drains in **4-inch**- minimum concrete around bottom and sides.

C. Fasten grates to drains if indicated.

D. Set drain frames and covers with tops flush with pavement surface.

E. Assemble trench sections with flanged joints.

F. Embed trench sections in 4- **inch**- minimum concrete around bottom and sides.

3.4 CONCRETE PLACEMENT

A. Place cast-in-place concrete in accordance with **ACI 318**.

3.5 CHANNEL DRAINAGE SYSTEM INSTALLATION

A. Install with top surfaces of components, except piping, flush with finished surface.

B. Assemble channel sections to form slope down toward drain outlets. Use sealants, adhesives, fasteners, and other materials recommended by system manufacturer.

C. Embed channel sections and drainage specialties in 4- **inch**- minimum concrete around bottom and sides.

D. Fasten grates to channel sections if indicated.

E. Assemble channel sections with flanged or interlocking joints.

- F. Embed channel sections in 4- **inch**- minimum concrete around bottom and sides.

3.6 STORMWATER DISPOSAL SYSTEM INSTALLATION

- A. Chamber Systems: Excavate trenches of width and depth, and install system and backfill in accordance with chamber manufacturer's written instructions. Include storage and leaching chambers, filtering material, and filter mat.
- B. Piping Systems: Excavate trenches of width and depth, and install piping system, filter fabric, and backfill, in accordance with piping manufacturer's written instructions.

3.7 CONNECTIONS

- A. Connect nonpressure, gravity-flow drainage piping in building's storm building drains specified in Section 221413 "Facility Storm Drainage Piping."
- B. Connect force-main piping to building's storm drainage force mains specified in Section 221413 "Facility Storm Drainage Piping." Terminate piping where indicated.
- C. Make connections to existing piping and underground manholes.
 - 1. Use commercially manufactured wye fittings for piping branch connections. Remove section of existing pipe; install wye fitting into existing piping; and encase entire wye fitting, plus **6-inch** overlap, with not less than **6 inches** of concrete with 28-day compressive strength of **3000 psi**.
 - 2. Make branch connections from side into existing piping, **NPS 4 to NPS 20**. Remove section of existing pipe, install wye fitting into existing piping, and encase entire wye with not less than **6 inches** of concrete with 28-day compressive strength of **3000 psi**.
 - 3. Make branch connections from side into existing piping, **NPS 21** or larger, or to underground manholes and structures by cutting into existing unit and creating an opening large enough to allow **3 inches** of concrete to be packed around entering connection. Cut end of connection pipe passing through pipe or structure wall to conform to shape of and be flush with inside wall unless otherwise indicated. On outside of pipe, manhole, or structure wall, encase entering connection in **6 inches** of concrete for minimum length of **12 inches** to provide additional support of collar from connection to undisturbed ground.
 - a. Use concrete that will attain a minimum 28-day compressive strength of **3000 psi** unless otherwise indicated.
 - b. Use epoxy-bonding compound as interface between new and existing concrete and piping materials.
 - 4. Protect existing piping, manholes, and structures to prevent concrete or debris from entering while making tap connections. Remove debris or other extraneous material that may accumulate.
- D. Connect to sediment interceptors specified in Section 221323 "Sanitary Waste Interceptors."
- E. Pipe couplings, expansion joints, and deflection fittings with pressure ratings at least equal to piping rating may be used in applications below unless otherwise indicated.

1. Use nonpressure-type flexible couplings where required to join gravity-flow, nonpressure sewer piping unless otherwise indicated.
 - a. Unshielded flexible couplings for same or minor difference OD pipes.
 - b. Unshielded, increaser/reducer-pattern, flexible couplings for pipes with different OD.
 - c. Ring-type flexible couplings for piping of different sizes where annular space between smaller piping's OD and larger piping's ID permits installation.
2. Use pressure-type pipe couplings for force-main joints.

3.8 FIELD QUALITY CONTROL

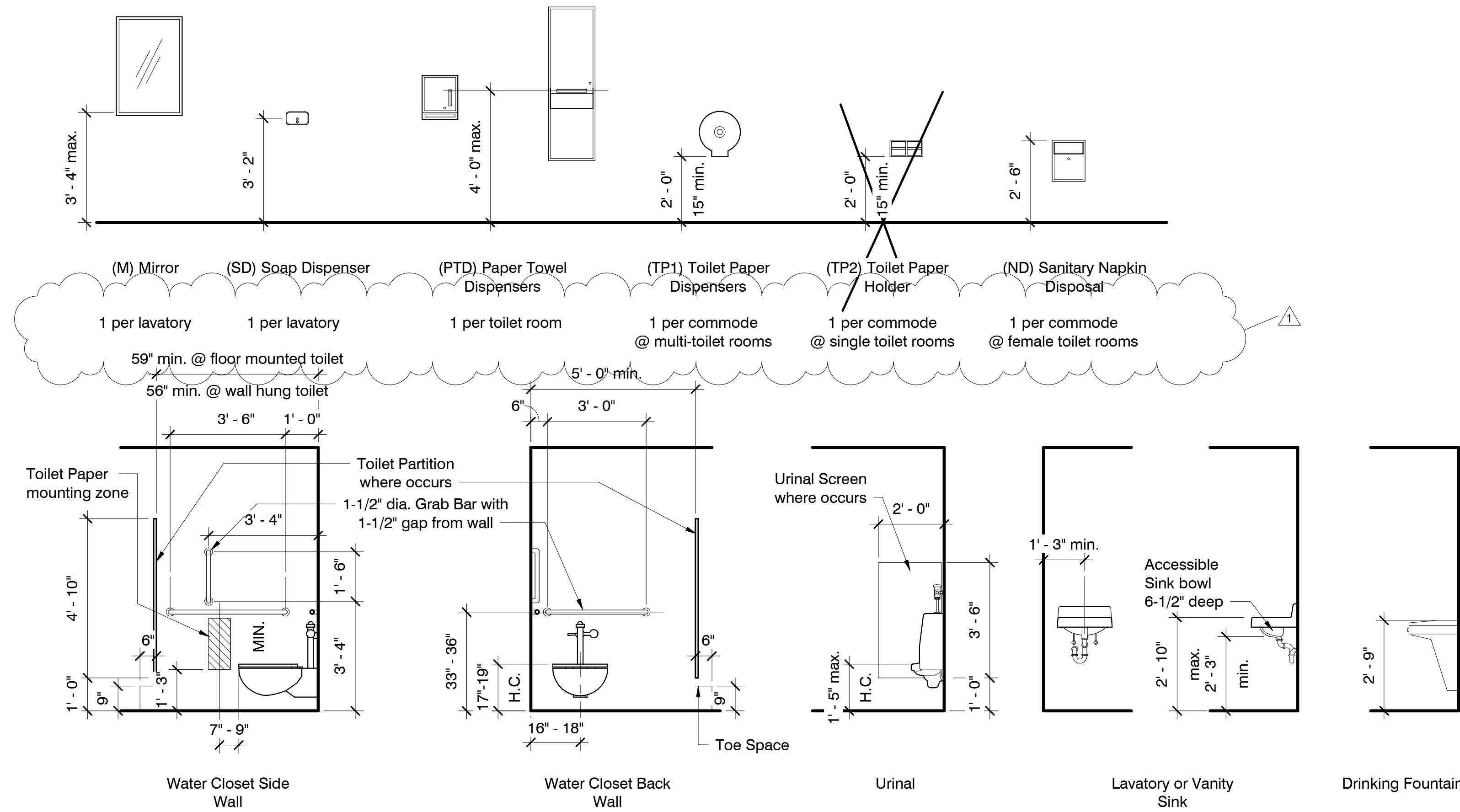
- A. Inspect interior of piping to determine whether line displacement or other damage has occurred. Inspect after approximately **24 inches** of backfill is in place, and again at completion of Project.
 1. Submit separate reports for each system inspection.
 2. Defects requiring correction include the following:
 - a. Alignment: Less than full diameter of inside of pipe is visible between structures.
 - b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
 - c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
 - d. Infiltration: Water leakage into piping.
 - e. Exfiltration: Water leakage from or around piping.
 3. Replace defective piping using new materials, and repeat inspections until defects are within allowances specified.
 4. Reinspect and repeat procedure until results are satisfactory.

3.9 CLEANING

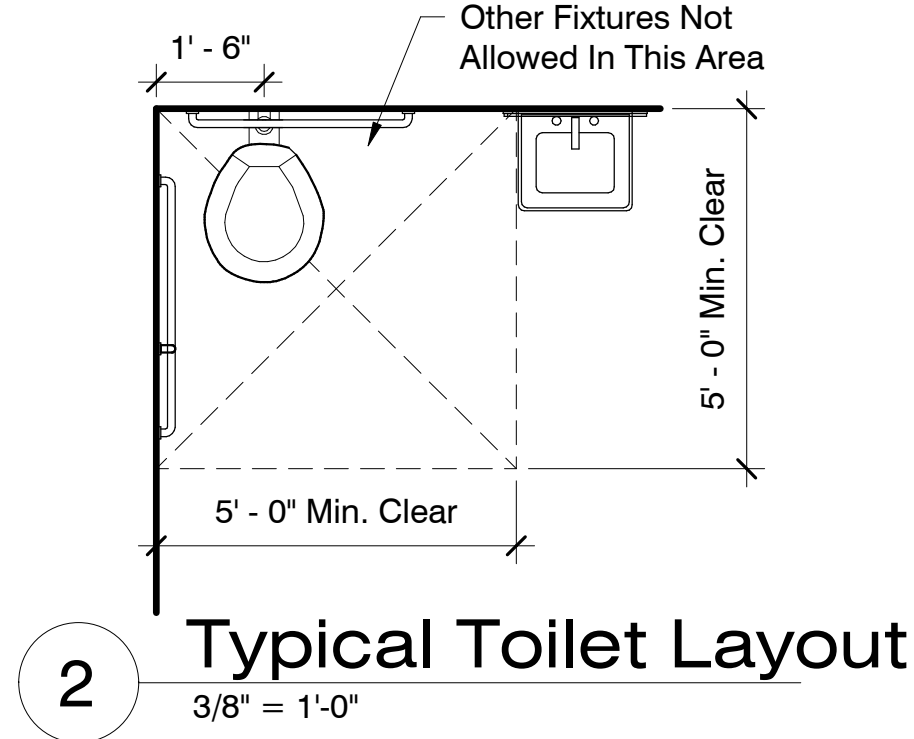
- A. Clean interior of piping of dirt and superfluous materials. Flush with water.

END OF SECTION 334236

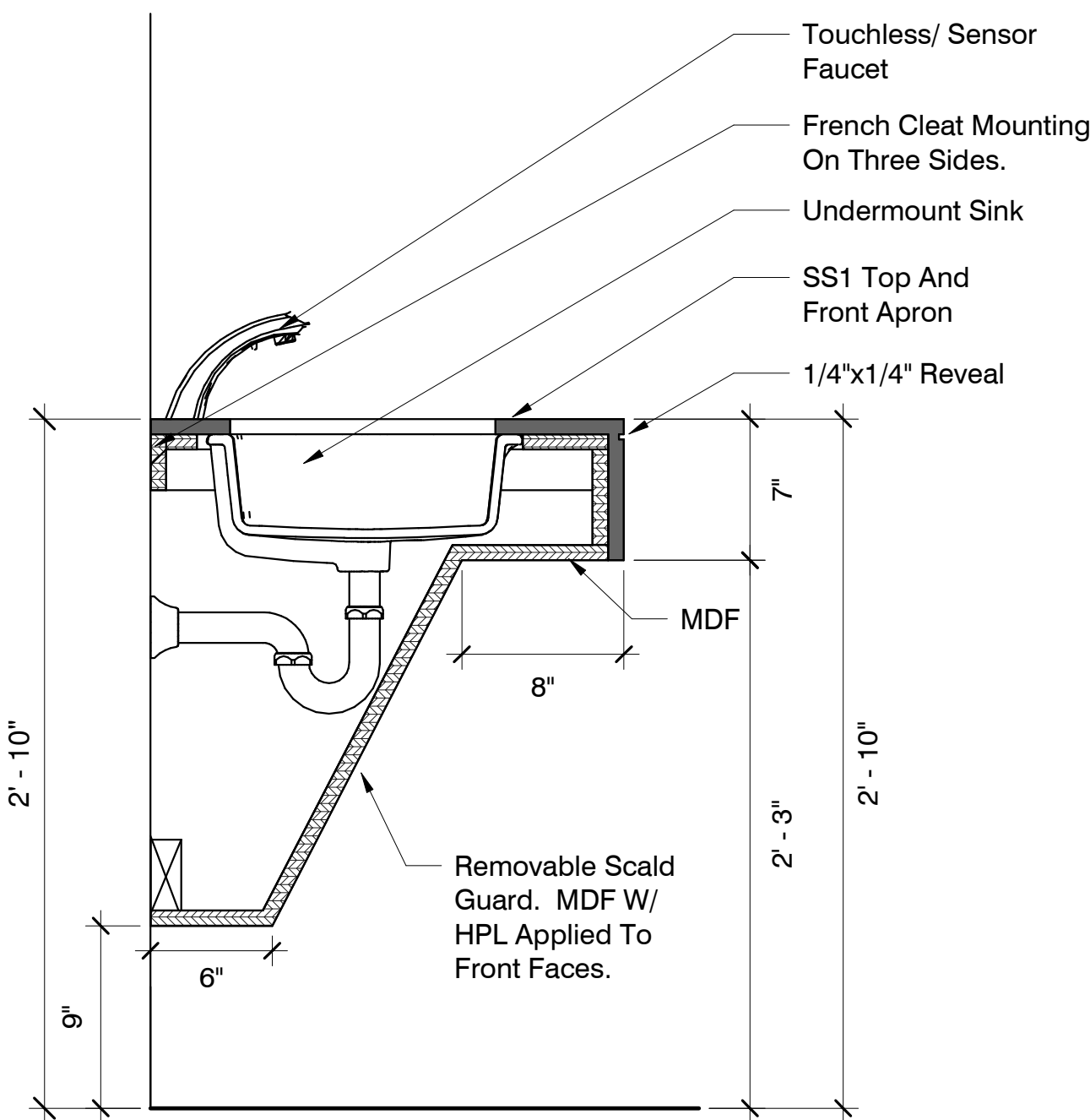
Mounting heights are for general reference only. Refer to enlarged restroom plans for actual accessories to be installed.



1 Typical Accessory Mounting Heights
3/8" = 1'-0"



2 Typical Toilet Layout
3/8" = 1'-0"



3 Typ. Restroom Vanity Section
1 1/2" = 1'-0"

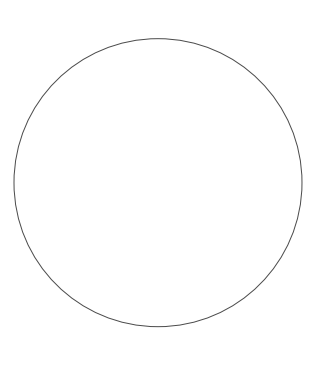
General Interior Elevation Notes

1. Furniture shown & Office Equipment are Not In Contract.
2. Refer to Sheet A-611 for additional interior finish information and annotations.
3. Continue tile on wall behind fixtures.
4. GC to provide coat hooks at all toilet partitions
5. Room sign typical at all doors.
6. Seal all millwork to wall surfaces with clear or matching mastic.
7. Contractor to verify all millwork dimensions prior to fabricator & installation.

Toilet Accessory Legend

- GB36. Grab Bars: 36", 1-1/2" diameter
- GB42. Grab Bars: 42", 1-1/2" diameter
- GB18. Grab Bars: 18", 1-1/2" diameter
- TP1. Toilet Paper Dispenser: OFCI
- PT. Paper Towel Dispenser: OFCI
- SD. Soap Dispenser: OFCI
- M. Mirror: 24"x36"
- CH. Robe/Coat Hooks: Mount on toilet side of door
- ND. Sanitary Napkin Disposal: OFCI
- FD. Floor Drain

Note: See 1/A-491 for additional mounting height information



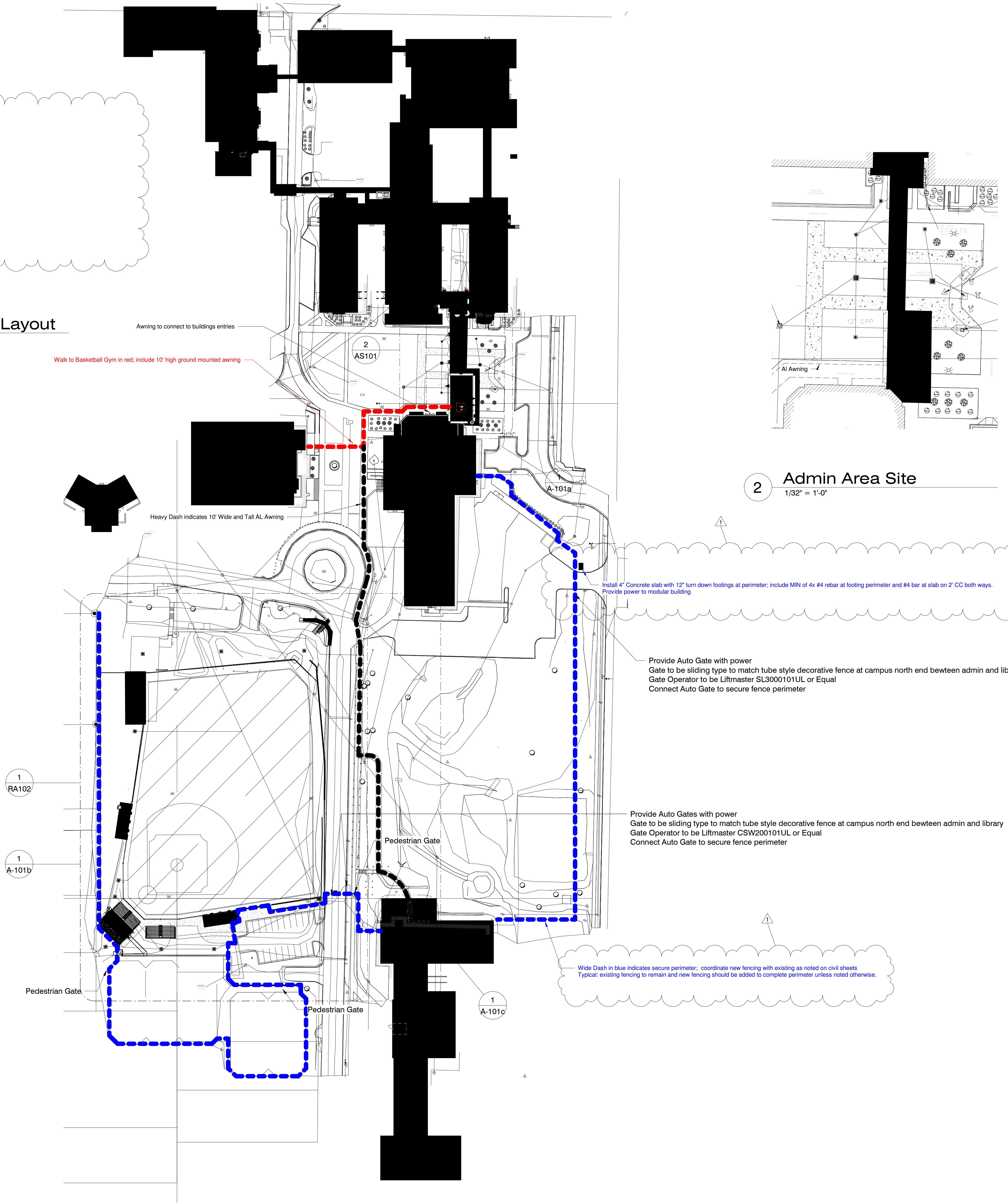
Construction Documents

Project No	22034.02
Date	12/05/2023
Drawn	TBD
Checked	TBD
Revision #	Date
ADD #2	1 1/12/24

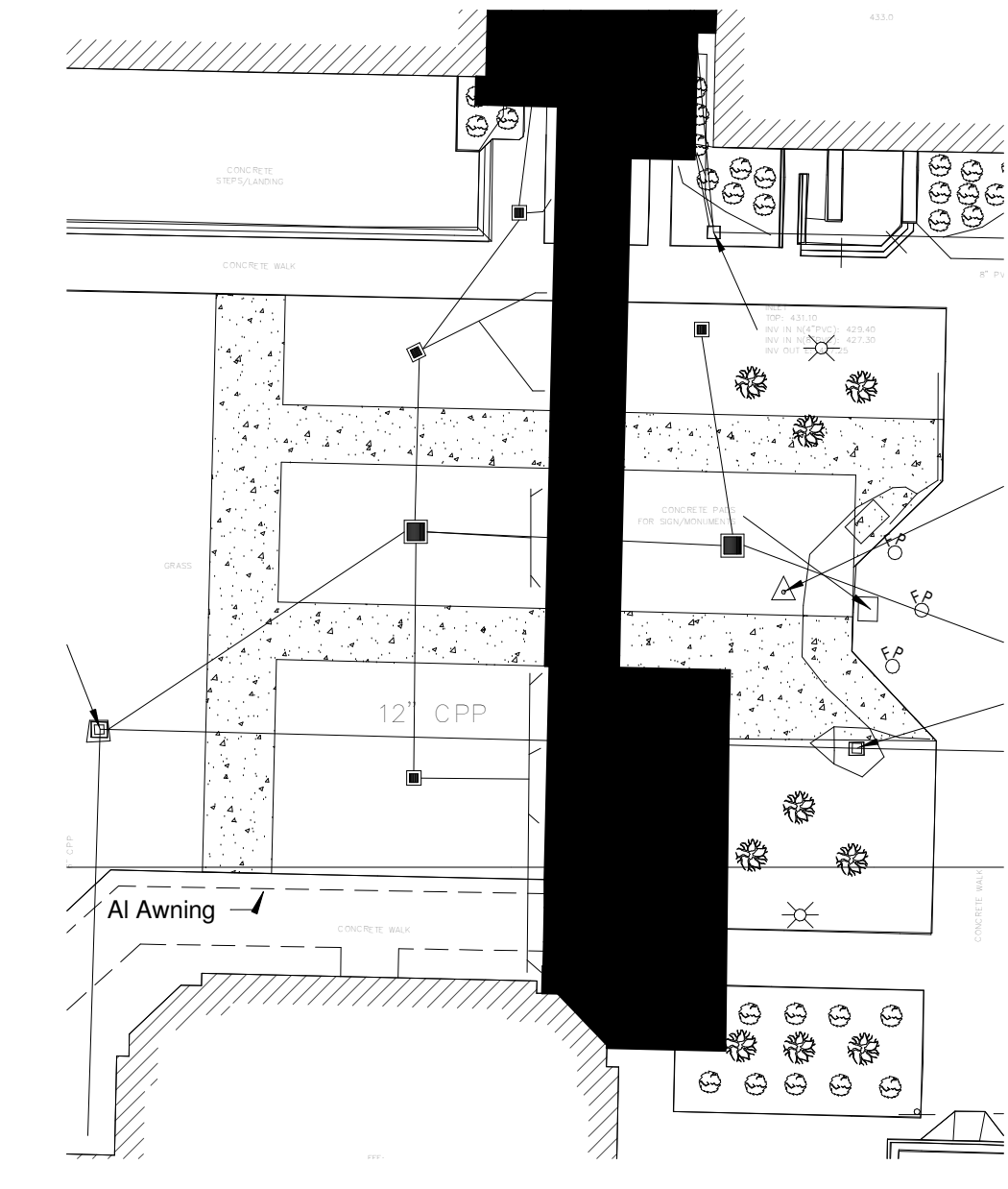
General Site Notes

1. All grassed areas shall be graded to drain to the appropriate inlet or slope to ensure positive drainage away from the building
2. All downspouts and boots to be connected to subsurface drainage. See Civil drawings.
3. Install Brick skirt with concrete footing (MIN 8" Deep) with row lock top to a height of 2'-0" above finish grade for each and every column along red dashed column line indicated on AS101/1 and otherwise as referred to as walk to basketball gym (see AS101/3).

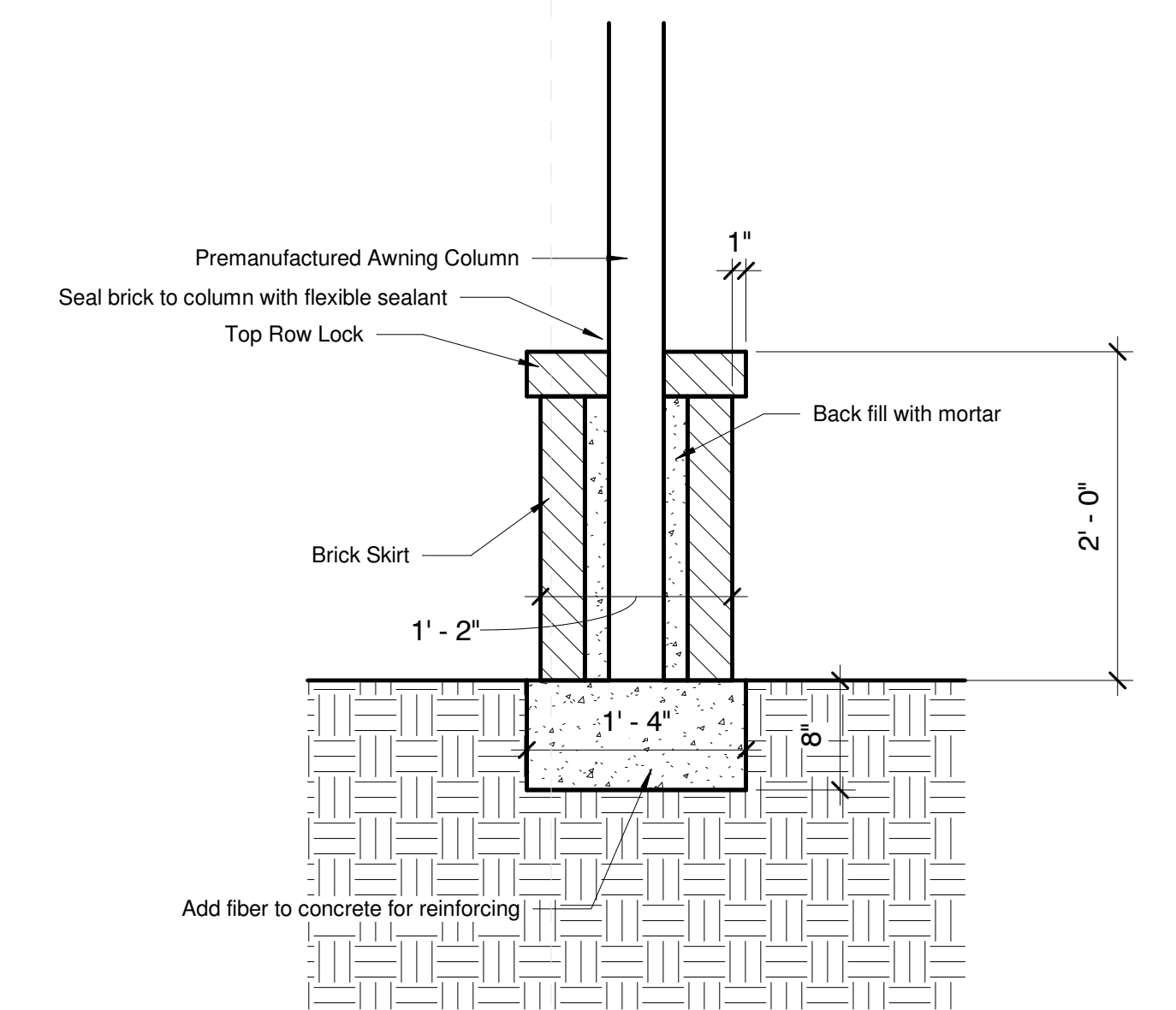
1 Site Plan Layout
1/64" = 1'-0"



2 Admin Area Site
1/32" = 1'-0"



3 Brick Skirt Detail @ Columns
1" = 1'-0"



Provide Auto Gate with power
Gate to be sliding type to match tube style decorative fence at campus north end between admin and library
Gate Operator to be Liftmaster SL3000101UL or Equal
Connect Auto Gate to secure fence perimeter

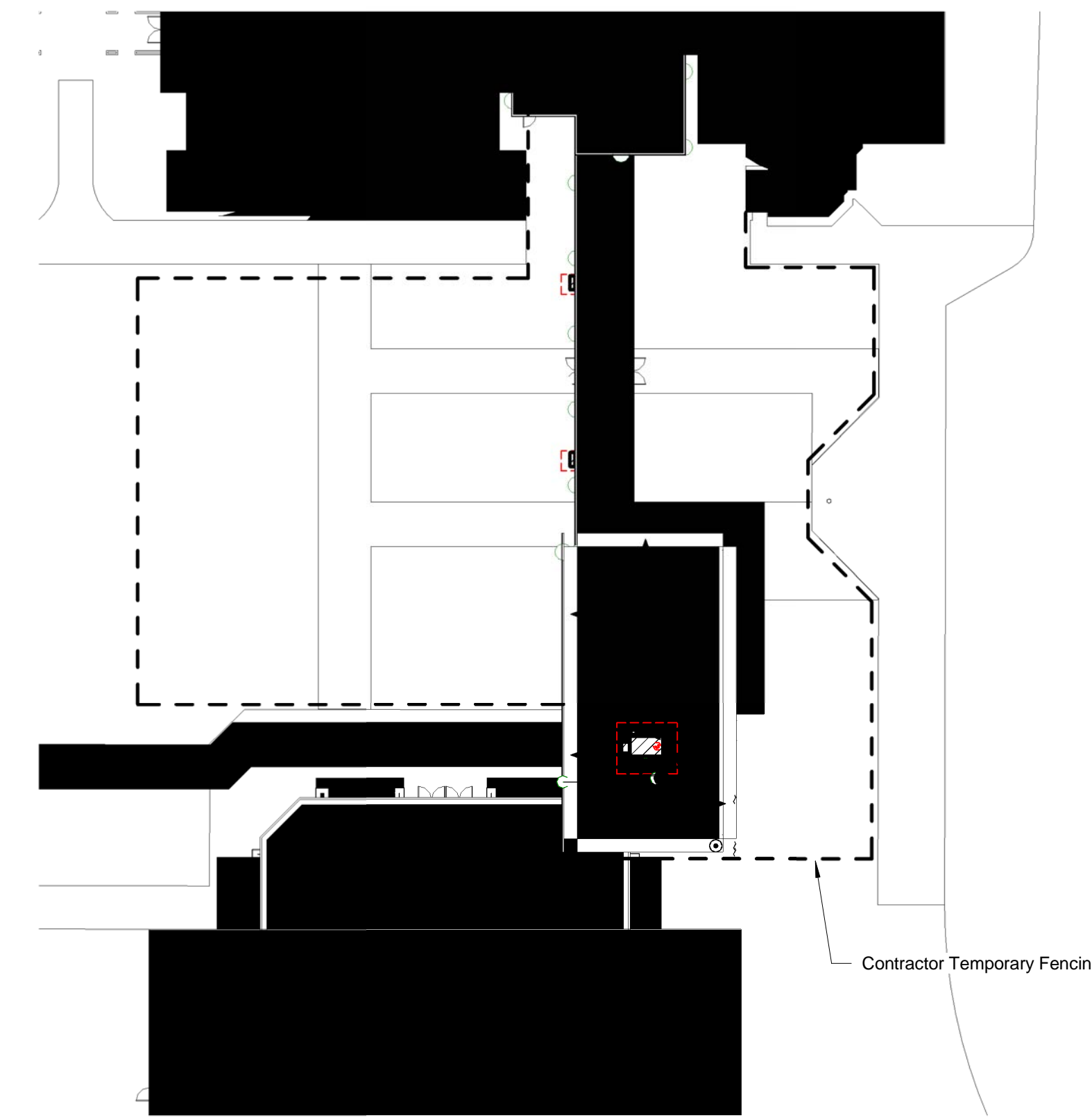
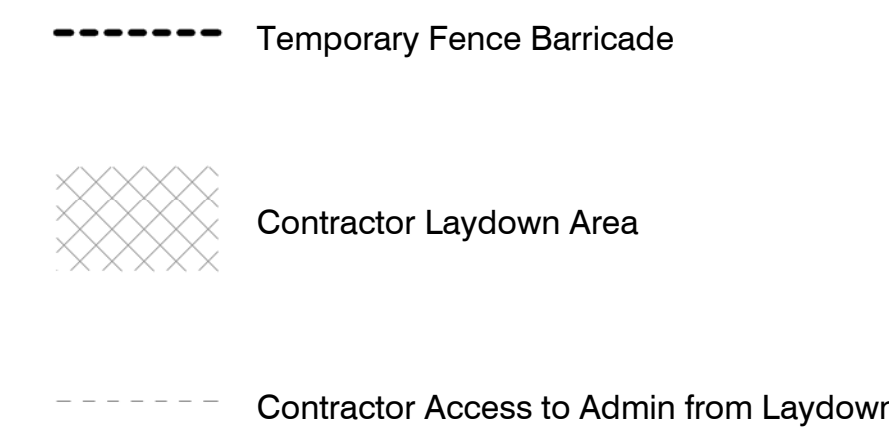
Provide Auto Gates with power
Gate to be sliding type to match tube style decorative fence at campus north end between admin and library
Gate Operator to be Liftmaster CSW200101UL or Equal
Connect Auto Gate to secure fence perimeter

Wide Dash in blue indicates secure perimeter; coordinate new fencing with existing as noted on civil sheets
Typical existing fencing to remain and new fencing should be added to complete perimeter unless noted otherwise.

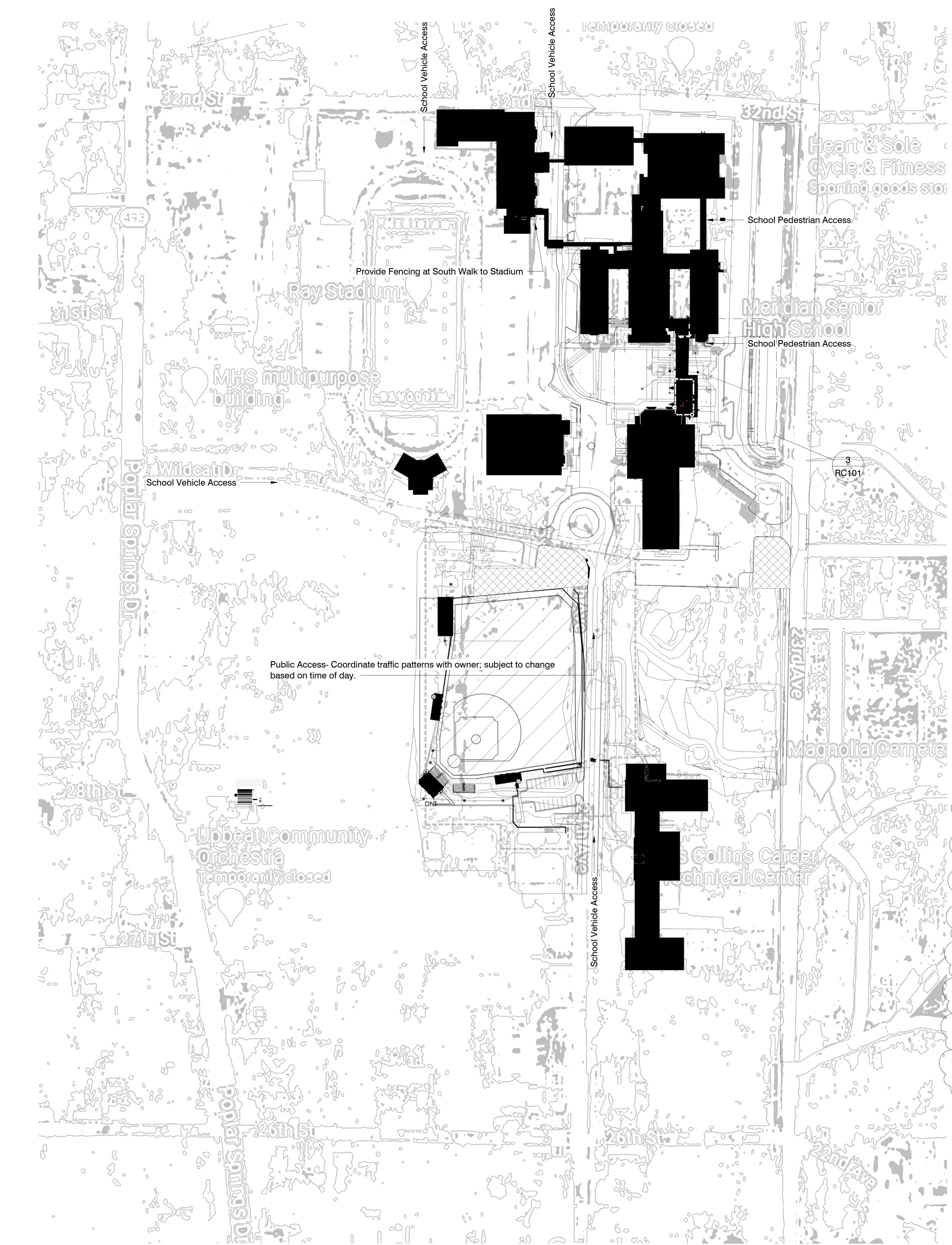
Project No	22034.02
Date	12/05/2023
Drawn	PPu
Checked	PPu
Revision #	Date
ADD #2	1 1/12/24

General Access Notes

1. Contractor shall lay down in areas designated on this plan unless otherwise coordinated with Owner.
2. Contractor shall coordinate with local municipal requirements for barricades at the ballfield site area.
3. Any work performed that may disrupt typical traffic movements of the site shall be coordinated with the local municipality and barricade shall be provided at their discretion.



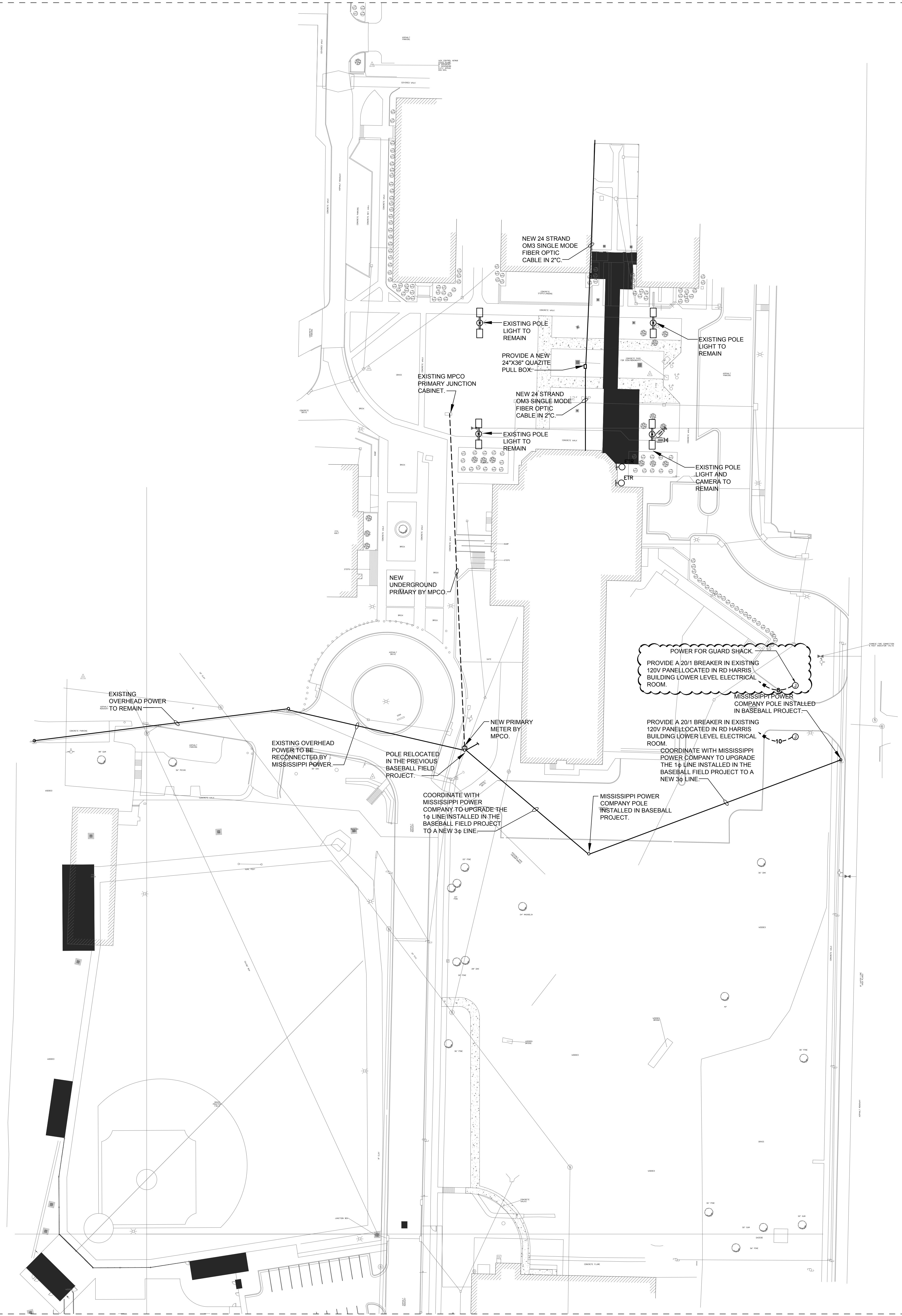
3 Temporary Fencing @ Admin Area
1" = 30'-0"



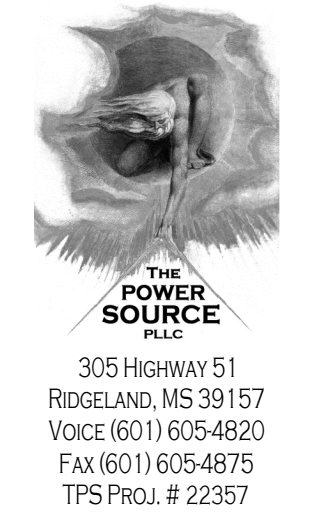
1 Site Layout Diagram
1" = 100'-0"

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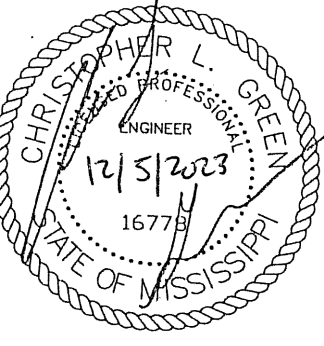
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22034 Meridian High_detached.dwg



1 ELECTRICAL RENOVATION SITE PLAN
 F-004a Scale: 1" = 40'-0"



305 HIGHWAY 51
 RIDGELAND, MS 39157
 VOICE: 601.625.4820
 FAX: 601.625.4875
 TPI'S PROJ. # 22357



DALE BAILEY
 AN ASSOCIATION

Architects
 One Jackson Place 250
 188 East Capitol Street
 Jackson, MS 39201
 p 601.352.5411
 201 Park Court Suite B
 Ridgeland, MS 39157
 p 601.790.9432
 161 Lameuse St. Suite 201
 Biloxi, MS 39530
 p 228.374.1409
 dalebaileyplans.com

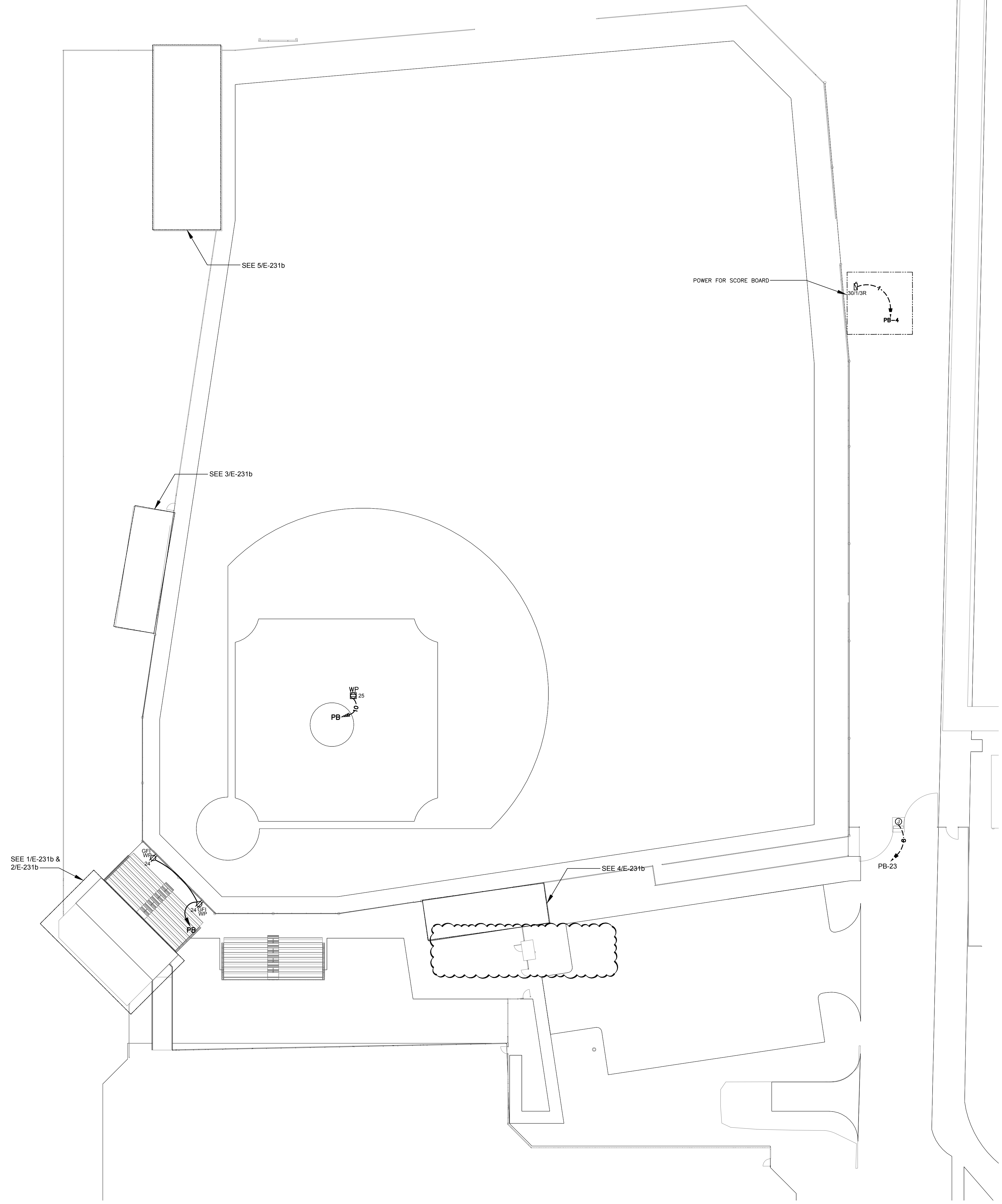
MHS Additions, Renovations, & Ballfield Rebid
 2320 32nd St, Meridian, MS 39305

Construction Documents

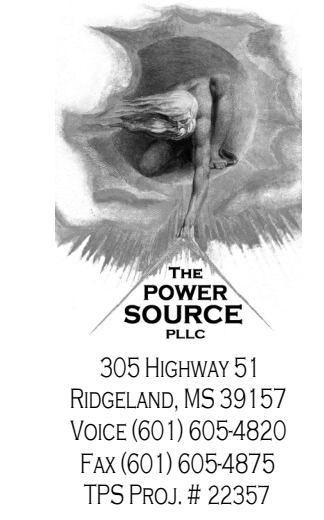
Project No	22034.02
Date	12/05/2023
Revisions	
Drawn	HBS
Checked	CLG
ADD.#1	01/05/2024
ADD.#2	01/11/2024

Meridian High Addition
E-004a
 ELECTRICAL RENOVATION
 SITE PLAN

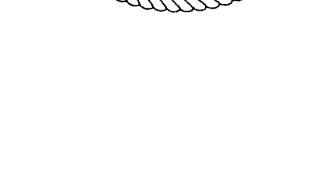
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1
E-200b
OVERALL POWER PLAN
Scale: 1" = 20'-0"



THE POWER SOURCE INC.
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 22357



DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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dalebaileyplans.com

MHS Additions, Renovations, & Athletics

2320 32nd St, Meridian, MS 39305

Construction Documents

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Checked	CLG
ADD.#1	01/05/2024
ADD.#2	01/11/2024

Meridian High
Baseball Field
E-201b
OVERALL POWER PLAN