2/5/25

The University of Mississippi Medical Center
2500 N State Street
Jackson, MS 39216

Project Name: UMMC Proj# 2606018 | Robbie Hughes Playground
Project Number: 23-057

ADDENDUM NO. 2

NOTICE TO ALL DOCUMENT HOLDERS:
The following additions, deletions, changes and clarifications to the drawings and specifications are to be included as part of the Contract Documents.

NOTIFICATIONS

ITEM NO. 1 **PREBID MEETING MINUTES**
ATTACHMENT: PreBid meeting minutes and sign in sheet

CLARIFICATIONS

ITEM NO. 2 **UTILITIES**
UMMC owns a majority of the utilities on site; therefore, the contractor shall notify UMMC at least 10 workdays prior to any excavation or digging. The Contractor is still required to contact 811 for a locate. The Contractor shall pothole and explore ahead prior to any digging near or in proximity of existing utilities.

ITEM NO. 3 **IRRIGATION**
All irrigation in work limits shall be capped (where necessary) and removed by the contractor (coordinate with Love Irrigation)

ITEM NO. 4 **PIPING**
The Contractor shall perform an adequate evaluation of all piping to determine the location and depths. The Contractor should ensure that a fully functioning drainage system is provided following construction.

ITEM NO. 5 **CONSTRUCTION FENCING**
The Contractor shall install a chain link construction fence at least 6-foot tall around the site along the construction limits shown on the plans. The fence shall include black privacy fabric or black privacy slats.

ITEM NO. 6 **ALTERNATE #1**
If the basketball court included in Alternate #1 is not accepted, this area shall be neatly graded and sodded.

SPECIFICATIONS

ITEM NO. 7 **SECTION 00.4200 - BID PROPOSAL FORM**
REPLACE the attached SECTION 00.4200 (pages 1 & 2)
ADDS Unit Prices to the Bid Proposal Form

ITEM NO. 8 **SECTION 01.2100 - CASH ALLOWANCES**
REPLACE the attached SECTION 01.2100
ADDS Earthwork Allowance
ADDS Irrigation Allowance

ITEM NO. 9 **SECTION 01.2300 - ALTERNATES**
REPLACE the attached SECTION 01.2300
ADDS description of Alternate 01

ITEM NO. 10 **SECTION 03.0505 - UNDERSLAB VAPOR BARRIER**
ADD the attached SECTION 03.0505

ITEM NO. 11 **SECTION 32.3113 - CHAIN LINK FENCES AND GATES**
ADD the attached SECTION 32.3113

ITEM NO. 12 **SECTION 11.6800 - PLAYGROUND STRUCTURES**
CLARIFICATION: Part 3, Paragraph 3.A– PLAYBOOSTER PLAY SYSTEMS
CLARIFICATION: Playground structures shall be for ages 5-12.

DRAWINGS

ITEM NO. 13 **C0.1 - GENERAL NOTES**
REPLACE the attached C0.1
REVISES construction fence height from 4ft to 6ft

ITEM NO. 14 **C0.2 - EXISTING CONDITIONS / DEMOLITION**
REPLACE the attached C0.2
REVISES existing survey with additional data from utility locate.
REVISES limits of construction
ADDS note #11
ADDS scope: During pre-bid site visit, an eroded hole was discovered. This hole shall be filled during construction.

ITEM NO. 15 **C1.0 - SITE PLAN**
REPLACE the attached C1.0
REVISES site plan

ITEM NO. 16 **C2.0 - SPOT ELEVATION**
REPLACE the attached C2.0
REVISES spot elevations plan

ITEM NO. 17 **C2.1 - GRADING AND DRAINAGE PLAN**

REPLACE the attached C2.1
ADD additional area inlet and reroute piping to avoid the playground footings
ADD multiple +/- 6ft sections of 4" perforated Sch. 40 PVC pipe under the turf to drain aggregate base to the nearest inlets
REVISES limits of construction

ITEM NO. 18 **C3.0 - EROSION CONTROL PLAN**
REPLACE the attached C3.0
REVISES erosion control plan

ITEM NO. 19 **C4.0 - MISCELLANEOUS DETAILS**
REPLACE the attached C4.0
ADDS single precast area inlet detail

ITEM NO. 20 **C4.1 - MISCELLANEOUS DETAILS**
ADD the attached C4.1
ADDS details

ITEM NO. 21 **A101 - ARCHITECTURAL SITE PLAN**
REPLACE the attached A101
CLARIFIES playground equipment and platform elevations.

Encl: PREBID MEETING MINUTES & SIGN IN SHEET - 8.5x11
Section 00.4200 - 8.5x11
Section 01.2100 - 8.5x11
Section 01.2300 - 8.5x11
Section 03.0505 - 8.5x11
Section 32.3113 - 8.5x11
Sheet C0.1 - 24X36
Sheet C0.2 - 24X36
Sheet C1.0 - 24X36
Sheet C2.0 - 24X36
Sheet C2.1 - 24X36
Sheet C3.0 - 24X36
Sheet C4.0 - 24X36
Sheet C4.1 - 24X36
Sheet A101 - 24X36
Sheet A102 - 24X36

Cc: All document holders

January 23, 2025

PRE-BID CONFERENCE MEETING MINUTES

UMMC PROJ #2606018 | ROBBIE HUGHES PLAYGROUND
The University of Mississippi Medical Center
Jackson, MS
WBA# 23-057

The following items will be discussed in the Pre-Bid Conference on this date regarding the above-referenced project.

PROJECT TEAM

Owner:
The University of Mississippi Medical Center
2500 N State Street
Jackson, MS 39216
P: 601.984.4290
Contacts:
Jim Cowley jcowley@umc.edu

Architect:
Wier Boerner Allin Architecture, PLLC
P: 601.321.9107
Contacts:
Jake Gartman jgartman@wba.ms
Ryan Hansen rhansen@wba.ms

BIDDING DOCUMENTS – *Available via Jackson Blueprint*
Drawing set and Project Manual dated January 8, 2025.

If you have questions or need clarifications regarding the Project, please email your questions to Jake Gartman (jgartman@wba.ms) by close-of-business on Monday, February 3, 2025. We will not guarantee that questions submitted later than Monday will be answered or clarified by Addendum.

BID OPENING
2:00PM on Tuesday, February 11, 2025 at the UMMC Construction Office Building AB008; 2500 N State Street, Jackson, MS 39216.

BID FORMS
Review Front End specifications for all Bidder Requirements. Please review *Instructions to Bidders – Division 00.2113*. Bidder is responsible for confirming that Bids are submitted in accordance with outlined requirements.

CONSTRUCTION PERIOD
Work is to be completed in **180 days** from Notice to Proceed.

PROJECT DESCRIPTION
Base Bid of the project consists of the demolition of the existing playground and installation of new playground equipment. The scope also includes site improvements including fencing paving, lighting, and security additions. Alternate 01 of the project includes the addition of a basketball play area with accessories including goal & backboard and netting.

PRODUCT SUBSTITUTIONS
No substitution requests shall be considered during bidding. All substitution requests shall be submitted to the Architect within 30 days from the Notice to Proceed.

OWNER'S COMMENTS AND OTHER REQUIREMENTS

QUESTIONS

NO MORE ITEMS

Encl: none
cc: All Document Holders
File 23-057

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER
EDUCATION • RESEARCH • HEALTHCARE

Project Name BOBBIE HUGHES PLAYGROUND Project Number: 26060018 Date: 02/23/25

Name	Company	Email	Phone
Joshua Stevens	JE Stevens	joshua@jestevensgroup.com	601. 826. 2490
Kohl Bailey	McMaster & Associates, Inc.	Kohl@mcmastereng.com	601-605-1050
Andy McCrory	McCrory & Associates	andy@mccrorydesigns.com	601.906.3477
Rob Trammell	Schultz & Wynne	rtrammell@sweems.com	601-573-9866
Zach Ford	Struthers Recreation	zach@struthersrec.com	662-426-2033
DAVE JAMES	MAGNOLIA CAMPUS SERVICE	[illegible]	601-624-8276
Brett Bukovich	Sunbelt General Cont.	info@sunbeltgc.com	6018531680
Michael Warren	Promise Land	steelty[illegible]@gmail.com	601. 573. [illegible]
Phil Schoggen	Schoggen Scapes, Inc.	phil@schoggenscapes.com	601-573-4983
WES WILMOTH	ECOLOGY LLC	WILMOTH[illegible]	601-260-4507
Mike Fitzhugh	MW Electric	fitzhugh@mwelectric.llc	601-503-0753
Mike Tolleson	MW Electric	mwelectric2016@yahoo.com	601-941-2237
Colton Johnston	Pinnacle Construction Group	Colton@pcg.com	601-502-7817

Office of Planning, Design, and Construction
2500 North State Street • Jackson, Mississippi 39216-4505
Phone: 601.984.1410 • Fax: 601.984.1489 • umc.edu

BID PROPOSAL FORM

Date: _____

Proposal From: _____
(Bidder)

Facilities Services
The University of Mississippi Medical Center
2500 North State Street
Jackson, Mississippi 39216-4505

RE: Bid File #_____

To whom it may concern:

Having carefully examined the Contract Documents and all addenda for the referenced Project, as well as the premises and conditions affecting the work, I, the undersigned, propose to furnish all labor, materials, and services required by the Contract Documents in accordance with the conditions of said Contract Documents for the sums set forth below:

BASE BID:

_____ ($).

ALTERNATE #1:

_____ ($).

ALTERNATE #2:

_____ ($).

ALTERNATE #3:

_____ ($).

UNIT PRICES: TO BE USED AT THE DISCRETION OF THE OWNER/ENGINEER.

UNIT PRICE #1	Undercutting & Removal (Haul Off)	($). Per C.Y.
UNIT PRICE #2	Geotextile Fabric Stabilization, Type V, AOS 0.21 – 0.43	($). Per S.Y.
UNIT PRICE #3	Imported Clean Sands (Bridging Lift)	($). Per Ton
UNIT PRICE #4	Borrow Excavation (Imported Select Fill)	($). Per C.Y.
UNIT PRICE #5	Crushed Stone (Size No.610)	($). Per Ton

I (We) agree to hold our bid open for acceptance for sixty (60) calendar days from the date of bid opening.

If awarded this Contract, I, (We), agree to execute a Contract and start Work on a date to be set in a Notice to Proceed and to complete the entire work in _____ days, subject to the terms and conditions of the Contract.

As required by Section 002113-1.6, "Bid Security", Bid Security in the form of a _____ is attached hereto in the amount of _____ and shall become the property of the Owner in the event the Agreement and required Bonds are not executed within the time set forth herein before as liquidated damages for the delay and additional expense to the Owner caused thereby.

ADDENDUM RECEIPT: The receipt of the following Addenda to the Bidding Documents is hereby acknowledged:

Addendum No. _____dated_____

Addendum No. _____dated_____

Addendum No. _____dated_____

Addendum No. _____dated_____

Our Corporation is chartered under the laws of the State of _____, and the names, titles and business addresses of the principal officers are as follows (non-residents Bidders see Section 002113, Paragraph 1.5):

Name: _____ Title: _____

Address: _____

Name: _____ Title: _____

Address: _____

Name: _____ Title: _____

Address: _____

(TO BE FILLED IN IF A PARTNERSHIP)

Our Partnership is composed of the following individuals:

Name: _____ Title: _____

Address: _____

Name: _____ Title: _____

Address: _____

Name: _____ Title: _____

Address: _____

Notice of acceptance of our bid may be mailed, telegraphed or delivered to:

SIGNED: _____

BY: _____

TITLE: _____

CERTIFICATE OF RESPONSIBILITY NO.:_____
(TO BE FILLED IN IF A CORPORATION)

SECTION 012100

CASH ALLOWANCES

1 PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Costs Included in Allowances.

B. Contractor Costs Included in Contract Sums.

C. Architect Responsibilities.

D. Contractor Responsibilities.

E. Schedule of Allowances.

1.2 COSTS INCLUDED IN ALLOWANCES

A. Cost of product to Contractor or subcontractors, less applicable trade discounts.

B. Delivery to site.

C. Labor required under allowance, only when labor is specified to be included.

D. Applicable taxes.

1.3 CONTRACTOR COSTS INCLUDED IN CONTRACT SUM

A. Products handling at site, including unloading, uncrating, inspection for damage and storage.

B. Protection of products from elements and from damage.

C. Labor for installation and finishing, except when installation is specified as part of allowance.

D. Other expenses required to complete installation.

E. Contractor overhead and profit.

1.4 ARCHITECT RESPONSIBILITIES

A. Consult with Contractor in consideration of products, suppliers, and installers.

B. Select products, obtain Owner's written decision, and transmit full information to Contractor.

C. Obtain proposals when requested.

1.5 CONTRACTOR RESPONSIBILITIES

A. Assist Architect in determining suppliers and installer

B. Make recommendations for Architect consideration.

C. On notification of selection execute purchase agreement with designated supplier and installer.

D. Arrange for and process shop drawings, product data, and samples.

E. Install, adjust, and finish products as may be required.

1.6 CONTRACTOR RESPONSIBILITIES

A. Security Camera Allowance:
Include the stipulated sum of $20,000 for purchase, delivery, and installation of security cameras, at locations as indicated on Architectural Site Plan.

B. Access Control Allowance:
Include the stipulated sum of $10,000 for the purchase, delivery, and installation of access control at (2) exterior gates.

C. Earthwork Allowance:
Include the stipulated sum of $30,000 to be used with the unit price items listed in Section 004200-1 on the bid form.

D. Irrigation Allowance:
Included the stipulated sum of $5,000 to be used as directed by Owner and Architect for any necessary disturbance work to existing irrigation system.

END OF SECTION

SECTION 012300

ALTERNATES

1 PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Submission procedures.

B. Documentation of changes to Contract Sum and Contract Time.

1.2 REQUIREMENTS

A. Submit Alternates with full description of the proposed Alternate and the effect on adjacent or related components.

B. Alternates quotes on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement. Alternates will be taken in numerical order as the budget allows.

C. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.3 SELECTION AND AWARD OF ALTERNATIVES

A. Indicate variation of Bid Price for Alternates described below and list in Bid Form Document or any supplement to it, which requests a "difference" in Bid Price by adding to or deducting from the base bid price.

1.4 SCHEDULE OF ALTERNATES

A. Alternate No. 1: ADDITION OF BASKETBALL PLAY AREA, INCLUDING ALL INFRASTRUCTURE AND ACCESSORY EQUIPMENT SUCH AS GOAL & BACKBOARD, STRIPING, NETTING, AND COURT PERIMETER FENCING.

B. Alternate No. 2: _____

C. Alternate No. 3: _____

2 PART 2 – PRODUCTS
NOT USED.

3 PART 3 – EXECUTION
NOT USED.

END OF SECTION

UNDERSLAB VAPOR BARRIER

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Sheet vapor barrier under concrete slabs on grade.

1.02 RELATED STANDARDS

A. Section 031000 – Concrete Forming and Accessories: Forms and accessories for formwork.

B. Section 032000 – Concrete Reinforcing.

C. Section 033000 – Cast-in-Place Concrete: Preparation of subgrade, granular fill, and placement of concrete.

1.03 REFERENCE STANDARDS

A. ASTM E1643 – Standard Practice for Selection, Design, Installation and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs; 2011.

B. ASTM E1745 – Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs; 2011.

1.04 SUBMITTALS

A. See Section 013000 – Administrative Requirements, for submittal procedures.

B. Product Data: Submit manufacturers' data on manufactured products.

C. Samples: Submit samples of under slab vapor barrier to be used.

D. Manufacturer's Installation Instructions: Indicate installation procedures and interface required with adjacent construction.

PART 2 PRODUCTS

2.01 MATERIALS

A. Underslab Vapor Barrier:

1. Water Vapor Permeance: Not more than 0.010 perms, maximum.

2. Thickness: 15 mils.

3.Basis of Design:

a. Stego Industries LLC; Stego Wrap Vapor Barrier (15-mil)

www.stegoindustries.com/#sle.

b. Substitutions: See Section 016000 – PRODUCT REQUIREMENTS.

B. Accessory Products: Vapor barrier manufacturer's recommended tape, adhesive mastic, etc., for sealing seams and penetrations in vapor barrier.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surface over which vapor is to be installed is complete and ready before proceeding with the installation of vapor barrier.

3.02 INSTALLATION

A. Install vapor barrier in accordance with manufacturer's instructions and ASTM E1643.

B. Install vapor barrier under interior slabs on grade; lap sheet over footings and seal to foundation walls.

C. Lap joints minimum 6 inches.

D. Seal joints, seams and penetrations watertight with the manufacturer's recommended products and follow the manufacturer's written instructions.

E. No penetration of vapor barrier is allowed except for reinforcing steel and permanent utilities.

F. Repair damaged vapor retarder before covering with other materials.

END OF SECTION

CHAIN LINK FENCES AND GATES

PART 1 GENERAL

1. RELATED DOCUMENTS
   A. DIVISION 01 - GENERAL REQUIREMENTS: Drawings, quality, product and performance requirements, general and supplemental conditions apply as applicable to the project and project documents.
2. WORK INCLUDED
   A. The contractor shall provide all labor, materials and appurtenances necessary for installation of the PVC coated chain link fence system defined herein.
3. SYSTEM DESCRIPTION
   A. The contractor shall supply a total PVC chain link fence system of the design, style and strength defined herein. The system shall include all components (i.e., framework, chain link fabric, gates and fittings) required.
4. SUMMARY
   A. This Section includes industrial/commercial chain link fence and gates specifications:
      1. PVC coated steel chain link fabric
      2. PVC coated galvanized steel framework and fittings
      3. Installation
5. RELATED SECTIONS:
6. REFERENCES
   A. ASTM F552 Standard Terminology Relating to Chain Link Fencing
   B. ASTM F567 Standard Practice for Installation of Chain Link Fence
   C. ASTM F626 Specification for Fence Fittings
   D. ASTM F668 Specification for Polymer Coated Chain Link Fence Fabric
   E. ASTM F934 Specification for Standard Colors for Polymer-Coated Chain Link
   F. ASTM F1043 Specification for Strength and Protective Coatings of Steel Industrial Chain Link Fence Framework
   G. ASTM F1083 Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures
7. SUBMITTALS
   A. The manufacturer's literature shall be submitted prior to installation.
   B. Shop drawings: Site plan showing layout of fence location with dimensions, all fencing installed showing types of fencing, details showing conformance to the requirements herein location of gates and opening size, cleared area, elevation of fence, gates, footings and details of attachments.

PART 2 - PRODUCTS

1. MANUFACTURERS
   A. Framework, posts, rails, fabric, and fittings for chain link fence system:
      1. MERCHANTS METALS (888) 260-1600 www.merchantsmetals.com
      2. EASTERN FENCE (800) 339-3362 www.easternfence.com
      3. MASTER-HALCO (888) 643-3623 www.masterhalco.com
2. CHAIN LINK FABRIC
   A. Steel Chain Link Fabric: heights indicated on drawings.
      1. PVC coated Steel Fabric: ASTM F668, wire gauge specified is that of the metallic coated steel core wire.Class 2b fused and adhered

2. Color - black in compliance with ASTM F934.
    a. Fabric Selection Table: Steel chain link mesh sizes and gauges produced in one piece widths 3 feet (910 mm) to 12 feet (3660 mm)
        1) Fabric selvage:Standard fabric selvage for 2 in (50 mm) mesh 72 in. (1.8 m) high and higher is knuckle finish at both ends, K&K. Fabric less than 72 in (1.8 m), knuckle finish top and bottom, K&K.

(9650 N)	(5740 N)	(3780 N)	(3340 N)	(2895 N)	

3. ROUND STEEL PIPE FENCE FRAMEWORK
    A. Round steel pipe and rail: Schedule 40 standard weight pipe, in accordance with ASTM F1083, 1.8 oz/ ft² (550 g/m²) hot dip galvanized zinc exterior and 1.8 oz/ft² (550 g/m²) hot dip galvanized zinc interior coating.
        1. High Strength Grade: Minimum yield strength 50,000 psi (344 MPa)
            a. Line post 2.375"
            b. End, Corner, Pull post 2.375", weight >
            c. Top, brace, bottom and intermediate rails, 1.660 in. (42.2 mm) OD: 2.27 lb/ft
            d. Typical post and rail size for normal Commercial / Industrial applications
            e. PVC Coated Pipe: Polymer coated pipe shall have a PVC coating fused and adhered to the exterior zinc coating of the galvanized pipe in accordance with ASTM F1043. The minimum thickness of the PVC coating shall be 10-mils (0.254 mm). Color to match fabric black per ASTM F934.

Item	Fence Height	Outside Diameter	*F1083 Schedule 40	F1043-IC (LG-40)
		Inches (mm)	Weight lb/ft (kg/m)	Weight lb/ft (kg/m)
Line	up to 6 ft. (1.8 m)	1.900 (48.3)	2.72 (4.0)	2.28 (3.39)
post	over 6 to 8 ft. (1.8 to 2.4 m)	2.375 (60.3)	3.65 (5.4)	3.12 (4.64)
	over 8 to 12 ft. (2.4 to 3.7 m)	2.875 (73.0)	5.79 (8.6)	4.64 (6.91)
	over 12 to 16 ft. (3.7 to 4.9 m)	4.000 (101.6)	9.11 (13.6)	6.56 (9.78)
Terminal	up to 6 ft. (1.8 m)	2.375 (60.3)	3.65 (5.4)	3.12 (4.64)
post	over 6 to 8 ft. (1.8 to 2.4 m)	2.875 (73.0)	5.79 (8.6)	4.64 (6.91)
	over 8 to 12 ft. (2.4 to 3.7 m)	4.000 (101.6)	9.11 (13.6)	6.56 (9.78)
	over 12 to 16 ft. (3.7 to 4.9 m)	6.625 (168.3)	18.97 (28.2)	Not available
		8.625 (219.1)	28.58 (42.5)	Not available
Rails		1.660 (42.2)	2.27 (3.4)	1.84 (2.74)

f. *Regular Grade F1083 Schedule 40

4. TENSION WIRE
   A. PVC Steel Tension Wire: 7 gauge core (0.177 in.) (4.50 mm) wire complying with ASTM F1664. Match coating class and color to that of the chain link fabric.
   B. Class 2b, fused and adhered

5. FITTINGS
   A. Tension and Brace Bands: Galvanized pressed steel complying with ASTM F626, minimum steel thickness of 12 gauge (0.105 in.) (2.67 mm), minimum width of 3/4 in. (19 mm) and minimum zinc coating of 1.20 oz/ft² (366 g/m²). Secure bands with 5/16 in. (7.94 mm) galvanized steel carriage bolts.
   B. Terminal Post Caps, Line Post Loop Tops, Rail and Brace Ends, Boulevard Clamps, Rail Sleeves: In compliance to ASTM F626, pressed steel galvanized after fabrication having a minimum zinc coating of
      1.20 oz/ft² (366 g/m²).
   C. Truss Rod Assembly: In compliance with ASTM F626, 3/8 in. (9.53 mm) or 5/16" (7.94 mm) diameter steel truss rod with a pressed steel tightener, minimum zinc coating of 1.2 oz/ft² (366 g/m²), assembly capable of withstanding a tension of 2,000 lbs. (970 kg).
   D. Tension Bars: In compliance with ASTM F626. Galvanized steel one-piece length 2 in. (50 mm) less than the fabric height. Minimum zinc coating 1.2 oz. /ft² (366 g/m²). Mesh shall have a minimum cross section of 3/16 in. (4.8 mm) by 3/4 in. (19 mm)]
   E. PVC Coated Color Fittings: In compliance with ASTM F626, minimum coating thickness 0.006 in. (0.152 mm) fused and adhered to the zinc coated fittings.Match color to fence system.

6. TIE WIRE AND HOG RINGS
   A. Basic commercial / industrial applications - specify 9 gauge core aluminum alloy ties and hog rings per ASTM F626.
   B. PVC coated, match the coating, class and color to that of the chain link fabric.

7. SWING GATES
   A. Swing Gates: Galvanized steel pipe welded fabrication in compliance with ASTM F900. Gate frame members 1.900 in. OD (48.3 mm), ASTM F 1083 schedule 40 galvanized steel pipe. Frame members spaced no greater than 8 ft. (2440 mm) apart vertically and horizontally. Welded joints protected by applying zinc-rich paint in accordance with ASTM Practice A780. Positive locking gate latch, pressed steel galvanized after fabrication. Galvanized malleable iron or heavy gauge pressed steel post and frame hinges. Provide lockable drop bar and gate holdbacks with double gates. Match gate fabric to that of the fence system. Gateposts per ASTM F1083 schedule 40 galvanized steel pipe. 2.375" OD and 3.65 lb/ft. PVC coated gate frames and gateposts; match the coating type and color to that specified for the fence framework. Moveable parts such as hinges, latches and drop rods may be field coated using a liquid polymer touch up.
   B. Gateposts: Regular Grade ASTM F1083 Schedule 40 pipe

over 6 ft. to 12 ft. (1.8 to 3.7 m)	4.000 in. (101.6 mm)	9.11 lb/ft (13.6 kg/m)
over 12 ft. to 18 ft. (2.4 to 5.5 m)	6.625 in. (168.3 mm)	18.97 lb/ft (28.2 kg/m)
over 18 ft. to 24 ft. (5.5 to 7.3 m)	8.625 in. (219.1 mm)	28.58 lb/ft (42.5 kg/m)

8. CONCRETE FOOTINGS
   A. Concrete for post footings shall have a 28-day compressive strength of 2,500 psi. (17.2 MPa).
   B. Concrete footings: 6" Ø footing, 24" deep at line posts, 30" deep at terminal and gate posts. Or as shown in the drawings if different.

9. WINDSCREEN
    A. Windscreen shall be vinyl coated polyester, 85% opacity, 10.0 ox per square yard.
    B. All fabrics shall have four-ply hems, reinforced with 18 oz. vinyl tape.
    C. Brass grommets shall be placed on maximum 12" spacing.
D. Color to be selected by Architect from manufacturer's full range of colors.
E. Refer to drawings for size and locations of windscreens.

PART 3 EXECUTION

1. CLEARING FENCE LINE
    A. Clearing: Surveying, clearing, grubbing, grading and removal of debris for the fence line or any required clear areas adjacent to the fence are included in the earthwork contractor's contract under the provisions of division 31 - earthwork. The contract drawings indicate the extent of the area to be cleared and grubbed.
2. FRAMEWORK INSTALLATION
    A. Posts: Posts shall be set plumb in concrete footings in accordance with ASTM F567. Local codes, site soil conditions, local frost depth, fence height and wind load may require larger diameter or deeper footings
    - See Chain Link Manufactures Institute - Product Guide and Wind Load Guide CLFMI: WLG 2445. Top of concrete footing to be 6 inches (152 mm) below grade. Line posts installed at intervals not exceeding 10 ft. (3.05 m) on center.
    B. Top rail: install 21 ft. (6.4 m) lengths of rail continuous thru the line post or barb arm loop top. Splice rail using top rail sleeves minimum 6 in. (152 mm) long. Rail shall be secured to the terminal post by a brace band and rail end. Bottom rail or intermediate rail shall be field cut and secured to the line posts using boulevard clamps or brace band with rail end.
    C. Tension wire: Shall be installed 4 in. (101.6 mm) up from the bottom of the fabric. Fences without top rail shall have a tension wire installed 4 in. (101.6 mm) down from the top of the fabric. Tension wire to be stretched taut, independently and prior to the fabric, between the terminal posts and secured to the terminal post using a brace band. Secure the tension wire to each line post with a tie wire.
3. CHAIN LINK FABRIC INSTALLATION
    A. Chain Link Fabric: Install fabric to outside of the framework maintaining a ground clearance of no more than 2 inches (50 mm). Attach fabric to the terminal post by threading the tension bar through the fabric; secure the tension bar to the terminal post with tension bands and 5/16 in. (7.94 mm) carriage bolts spaced no greater than 12 inches (304.8mm) on center. Chain link fabric to be stretched taut free of sag. Fabric to be secured to the line post with tie wires spaced no greater than 12 inches (304.8 mm) on center and to horizontal rail spaced no greater than 18 inches (457.2 mm) on center. Preformed 9 gauge power-fastened wire ties shall be installed following ASTM F626: Wrap the tie a full 360° around the post or rail and fabric wire picket, using a variable speed drill, twist the two ends together three full turns, cut off any excess wire and bend over to prevent injury. Secure the fabric to the tension wire by crimping hogs rings around a fabric wire picket and tension wire.

4. GATE INSTALLATION
    A. A. Swing Gates: Installation of swing gates and gateposts in compliance with ASTM F 567. Direction of swing shall be outward. Gates shall be plumb in the closed position having a bottom clearance of 3 in. (76 mm), grade permitting. Hinge and latch offset opening space shall be no greater than 3 in. (76 mm) in the closed position. Double gate drop bar receivers shall be set in a concrete footing minimum 6 in. (152 mm) diameter 24 in. (609.6 mm) deep.

Gate leaf holdbacks shall be installed for all double gates.

5. NUTS AND BOLTS
   A. Bolts: Carriage bolts used for fittings shall be installed with the head on the secure side of the fence. All bolts shall be peened over to prevent removal of the nut.

6. CLEAN UP
   A. Clean Up: The area of the fence line shall be left neat and free of any debris caused by the installation of the fence.

END OF SECTION

DEMOLITION NOTES:

1. DEMOLITION AND REMOVAL OPERATIONS SHALL COMMENCE ONLY AFTER ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND FUNCTIONAL.
2. PROVIDE NEAT AND STRAIGHT SAWCUTS OF EXISTING PAVEMENT ALONG ALL LIMITS OF PAVEMENT DEMOLITION.
3. ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. DISPOSE OF OFF THE OWNER'S PROPERTY IN A LEGAL MANNER.
4. ALL PAVEMENT, BASE COURSE, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., IN THE AREA TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE PROVIDED THAT THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE OF AREAS TO RECEIVE PLANTING.
5. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK.
6. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
7. ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
8. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, FENCES, TREES, UTILITIES AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR-CAUSED DAMAGE SHALL BE REPAIRED TO MATCH AT NO ADDITIONAL COST TO THE OWNER.
9. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL AND COMPACTED 98 % OF MAXIMUM DENSITY PER ASTM D698.
10. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO UTILITY DISCONNECT.
11. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED DEMOLITION OPERATIONS. SEE GENERAL UTILITY NOTE #4.
12. EXISTING INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY BARNES SURVEYING, LLC, DATED OCTOBER 18, 2024.
13. PAVEMENT MARKINGS TO BE REMOVED SHALL BE PAINTED OVER TO MATCH PAVEMENT OR REMOVED WITH WIRE BRUSHINGS.
14. EXCEPT AS SHOWN, NO TREES SHALL BE REMOVED AND/OR VEGETATION DISTURBED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.
15. TREE PROTECTION SHALL CONSIST OF THE FOLLOWING STEPS:

a. CONTRACTOR SHALL HIRE A LICENSED LANSCAPE CONTRACTOR TO OVERSEE TREE PROTECTION.
b. PRIOR TO ANY GRADING OPERATIONS, LOCATE TREES TO BE PROTECTED AND NEATLY CUT ROOTS TO A DEPTH OF 30" AT THE DIMENSIONED LIMITS SHOWN USING A UTILITY TRENCHING MACHINE.
c. TREAT EXPOSED ROOTS WITH A HORTICULTURAL TREE PRUNING PROTECTION PRODUCT.
d. PRUNE TREE LIMBS BY THE SAME PROPORTIONAL PERCENTAGE AS TREE ROOTS REMOVED (I.E., 25 % OF ROOTS REMOVED SHALL RESULT IN 25 % OF TREE LIMBS REMOVED).
e. INSTALL A TREE PROTECTION FENCE TO THE LIMITS SHOWN ON THE DETAIL ON THIS SHEET AT LEAST 6' IN HEIGHT.

16. INSTALL A CONSTRUCTION FENCE 6' IN HEIGHT TO THE LIMITS SHOWN IN THESE DRAWINGS (SEE 4.1 DETAIL).

GENERAL UTILITY NOTES

1. WATER AND SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL CODES AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PAY ALL CONNECTION/TAP FEES (I.E. METER, ETC.) AND OBTAIN ALL PERMITS.
3. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS FROM THE FACILITY. ADDITIONAL UTILITIES MAY BE PRESENT. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS.
4. THE CONTRACTOR SHALL NOTIFY THE MISSISSIPPI ONE-CALL SYSTEM, INC. (MOCS) AT 811 AND ANY NON-MOCS MEMBER UTILITY INDIVIDUALLY. AT LEAST 3 WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DEMOLITION.
5. MAINTAIN 10-FOOT HORIZONTAL AND 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER SUPPLY LINES.
6. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL EXISTING UTILITIES INCLUDING IRRIGATION. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. RELOCATE IRRIGATION LINES AS NECESSARY FOR CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO FINAL PAVEMENT CONSTRUCTION.
8. BACKFILL UTILITY TRENCHES UNDER PAVEMENT AREAS AND IN LAWN AREAS WITH SATISFACTORY FILL MATERIAL COMPACTED TO AT LEAST 98 % OF MAXIMUM PER ASTM D698.
9. ADJUST ALL EXISTING CASTINGS TO MATCH PROPOSED FINISH GRADE.
10. THRUST BLOCK ALL WATERLINE FITTINGS WITH CONCRETE (2,500 P.S.I. MIN.) POURED AGAINST UNDISTURBED EARTH TO SUSTAIN 120 PERCENT TEST PRESSURE SPECIFIED. FORM THRUST BLOCKING SO AS TO NOT EMBED JOINTS, BOLTS, VALVE BOXES OR OPERATING NUTS.
11. EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF THE OWNER'S PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.
12. ALL SANITARY SEWER PIPE SHALL BE CLASS SDR 26 PVC UNLESS NOTED OTHERWISE.
13. ALL WATER MAINS SHALL BE C-900 P.V.C. UNLESS NOTED OTHERWISE.
14. ALL FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED BETWEEN 3' AND 7' FROM PAVED SURFACE.
15. FIRE HYDRANT AND WATER MAINS TO BE INSTALLED AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED.
16. NEOPRENE COUPLINGS WITH STAINLESS STEEL BAND AND SHEAR RINGS ARE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.
17. THE CONTRACTOR SHALL EXCAVATE FOR NEW SEWER ELEVATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO PROTECT EXISTING SEWER DURING CONSTRUCTION OPERATIONS. ALL EXCAVATION, SHORING AND BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
18. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PIPE FROM FLOATING. IF PIPE FLOATS DURING CONSTRUCTION, THE CONTRACTOR SHALL RELAY PIPE TO GRADE AT HIS EXPENSE.
20. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND INVERT OF SANITARY SEWER FOR CONNECTION TO EXISTING OR PROPOSED SEWER SYSTEM.
21. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS, ADDITIONAL BEDDING SHALL BE REQUIRED IN WET OR WEAK AREAS. THE CONTRACTOR SHALL HAVE RESPONSIBILTY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
22. ALL WATER MAIN SHALL BE C-900 P.V.C. AND INSTALLED WITH #12 LOCATE WIRE (SOLID COPPER). TRACER WIRE TERMINALS SHALL BE PROVIDED AT EACH FIRE HYDRANT AND WATER VALVE.
23. PROVIDE AS-BUILT DRAWINGS WHICH INCLUDE AT LEAST TWO DIMESIONS TO EACH VALVE AND MANHOLE FROM KNOW SITE FEATURES. DRAWINGS SHALL INCLUDE VERTICAL AND HORIZONTAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXIST UTILITES ENCOUNTERED.

LAYOUT & PAVING NOTES

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, TAKE CARE TO PROTECT UTILITES THAT ARE TO REMAIN, AND REPAIR CONTRACTOR CAUSED DAMAGE ACCORDING TO CURRENT LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE COORDINATES ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
3. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL PERMITS, AND PAY ALL FEES PRIOR TO BEGINNING WORK.
4. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVEMENT.
5. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN, IN ACCORDANCE WITH THE SPECIFICATIONS DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE, NOR STORE MATERIALS WITHIN THE DRIP-LINES OF TREES OR OUTSIDE THE LIMIT OF GRADING.
6. CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH. ALL CONCRETE SHALL BE 4,000 P.S.I. UNLESS OTHERWISE NOTED. CURB RAMPS, SIDEWALK SLOPES, AND DRIVEWAY RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT LOCAL REQUIREMENTS. IF APPLICABLE, THE CONTRACTOR SHALL REQUEST INSPECTION OF SIDEWALK AND RAMP FORMS PRIOR TO PLACEMENT OF CONCRETE.
7. ALL DAMAGE TO EXISTING ASPHALT PAVEMENT TO REMAIN WHICH RESULTS FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE.
8. DIMENSIONS ARE TO THE EDGE OF PAVEMENT, EDGE OF CONCRETE, OR TO THE FACE OF BUILDING, UNLESS OTHERWISE NOTED.
9. COORDINATES ARE FOR FACE OF BUILDINGS, CENTER LINES OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER AT FACE OF CURB INLETS, UNLESS OTHERWISE NOTED.
10. EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.
11. MAINTAIN ONE SET OF AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ARCHITECT/ENGINEER UPON COMPLETION.
12. PARKING STRIPES SHALL BE 4-INCH WHITE PAVEMENT PAINT.
13. STOP BARS, DETAIL STRIPES, FIRE LANES AND CROSSWALKS SHALL BE THERMOPLASTIC PAVEMENT MARKING MATERIAL.
14. CONTRACTION JOINTS SHALL BE CONSTRUCTED TO A DEPTH OF AT LEAST ¼ THE CONCRETE THICKNESS, AND SHALL DIVIDE CONCRETE ROUGHLY INTO SQUARES WITH MAXIMUM 6' SEGMENTS, UNLESS OTHERWISE SPECIFIED.
15. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY CONSISTING OF THE FOLLOWING:

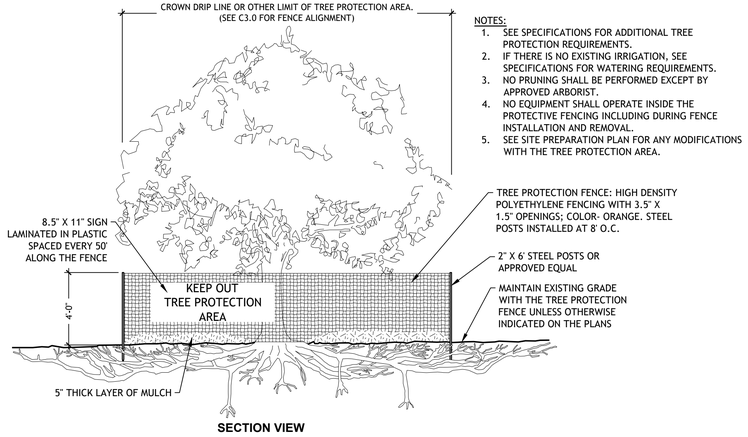
a. AN AS-BUILT SURVEY SHALL BE PREPARED, SIGNED AND SEALED BY A SURVEYOR REGISTERED IN THE STATE IN WHICH THIS PROJECT RESIDES AND SUBMITTED TO THE ARCHITECT IN THE HARD COPY AND ELECTRONIC FORMAT PRIOR TO COMPLETION OF THIS PROJECT. THE AS-BUILT SURVEY SHALL BE PREPARED USING THE SAME HORIZONTAL AND VERTICAL DATUM AS THE ORIGINAL SURVEY.
b. THE AS-BUILT SURVEY SHALL DEPICT ALL BUILDINGS, CURB LINES, EDGES OF PAVEMENT AND ALL SIDEWALKS AND PARKING.
c. THE AS-BUILT SURVEY SHALL LOCATE ALL UNDERGROUND UTILITIES INCLUDING DRAINAGE AND SANITARY STRUCTURES, WATER VALVES, AND HYDRANTS THROUGHOUT THE PROJECT LIMITS.
d. THE AS-BUILT SURVEY SHALL ALSO INCLUDE ALL ACCESSIBLE PATHS, ALL PEDESTRIAN RAMPS AND LANDINGS AND ALL ACCESSIBLE PARKING AREAS INCLUDING AISLES AND DROP-OFF/PICK-UP AREAS. DIMESIONS FULL LENGTH AND WIDTH OF ALL PEDESTRIAN RAMPS AND LANDINGS. SHOW ELEVATIONS AND SLOPES, INCLUDING LONGITUDINAL AND CROSS SLOPES FOR ALL ACCESSIBLE AREAS. THE ARCHITECT WILL USE THIS SURVEY TO CHECK COMPLIANCE WITH THE AMERICANS WITH DISABILITES ACT (ADA) REQUIREMENTS.

GRADING, DRAINAGE AND EROSION CONTROL NOTES

1. NO TREES SHALL BE REMOVED NOR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR GRADING PURPOSES AND ONLY AS APPROVED BY THE ARCHITECT/ENGINEER.
2. IT IS THE OWNER'S INTENT TO PRESERVE ALL THE EXISTING SITE VEGETATION OUTSIDE THE LIMITS OF GRADING.
3. ALL TREES, INCLUDING YOUNG SAPLINGS, PINES, AND UNDERSTORY SPECIES ARE TO BE PROTECTED AND SAVED IF THEY FALL OUTSIDE THE LIMITS OF GRADING, EVEN IF THEY ARE NOT LOCATED OR IDENTIFIED ON THE SURVEY.
4. SELECTIVE CLEARING BEYOND THE LIMITS OF GRADING SHALL CONSIST OF REMOVAL OF HONEYSUCKLE, HERBACEOUS SHRUBS, POISON IVY, AND NOXIOUS WEEDS. GRASS SHALL BE SOWN ON THE WHOLE SITE AFTER PREPARATION, AS NOTED IN THE SPECIFICATIONS.
5. TOPSOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER-GRADED AREAS TO A MINIMUM DEPTH OF 6 INCHES. STOCKPILES SHALL BE FREE DRAINING AND PROVIDE EROSION AND SEDIMENTATION CONROLS AROUND STOCKPILES. IMPORTED TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES IS REQUIRED IN ALL AREAS BETWEEN BUILDING AND SIDEWALKS.
6. ALL GRADED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER GRADING IS COMPLETED.
7. CONSTRUCT TEMPORARY EROSION CONTROL AS SHOWN ON THE DRAWING PRIOR TO BEGINNING GRADING OPERATIONS.
8. ALL DRAINAGE STRUCTURES, PIPES WITHIN THE LIMITS OF CONTRUCTION, AND DETENTION PONDS SHALL HAVE SEDIMENT REMOVED PRIOR TO FINAL ACCEPTANCE.
9. SILT BARRIERS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
10. ALL LOCATIONS OF TEMPORARY EROSION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ARCHITECT/ENGINEER.
11. WHEN THE TEMPORARY EROSION CONTROL DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED PURPOSE (IN THE ARCHITECT/ENGINEER'S OPINION), THEY SHALL BE REMOVED.
12. REPLACE DAMAGED AND WORN OUT SILT BARRIERS AS DIRECTED BY THE ARCHITECT/ENGINNER.
13. THE CONTRACTOR SHALL PROTECT ALL TREES DESIGNATED TO REMAIN. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE/STORE MATERIALS, WITHIN THE DRIPLINES OF TREES.
14. TOP OF GRATE ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE CENTER OF THE INLETS AT THE FACE OF CURB. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADE. ADJUST THE CASTING TO FALL ALONG THE CURB LINE.
15. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, PROTECT UTILITIES TO REMAIN, AND REPAIR CONTRACTOR-CAUSED DAMAGE ACCORDING TO LOCAL STANDARDS AT CONTRACTOR'S EXPENSE.
16. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED EXCAVATION/UTILITY TRENCHING OPERATIONS.
17. IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINNER BEFORE PROCEEDING WITH THE WORK.
18. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS.
19. SPOT ELEVATIONS AND CONTOURS REPRESENT PROPOSED FINISHED GRADE AND TOP OF DIRT ELEVATIONS UNLESS OTHERWISE NOTED.
20. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO BEGINNING WORK.
21. EXCESS MATERIAL SHALL BE DISPOSED OFF BY THE CONTRACTOR OFF THE OWNER'S PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.
22. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THIS INTENT OR ANY PROBLEMS WITH CONTINUITY OF GRADES, THE ARCHITECT/ENGINEER SHALL BE CONTACTED PRIOR TO BEGINNING WORK.
23. EXISTING MANHOLE CASTINGS TO REMAIN SHALL BE RESET TO MATCH NEW GRADE.
24. ALL CURBS AND SIDEWALKS SHALL BE BACKFILLED WITH TOPSOIL, AND SEEDED AND MULCHED, UNLESS OTHERWISE NOTED.
25. ALL PIPES SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL COMPACTED TO 98 % OF MAXIMUM PER ASTM D698.
26. ALL STORM DRAINAGE PIPE SHALL BE R.C.P UNLESS OTHERWISE NOTED, AND COMPLETELY WRAPPED WITH TYPE V FILTER FABRIC AT ALL JOINTS. FILTER FABRIC SHALL BE 18" WIDE AND OVERLAP 8". LIFT HOLES SHALL BE GROUTED AND SEALED WATER TIGHT AND COVERED WITH FILTER FABRIC. PIPE LENGTHS SHOWN ARE APPROXIMATE.
27. ALL CUT AND FILL SLOPES TO BE 3:1 MAXIMUM, UNLESS OTHERWISE NOTED.
28. ALL HEADWALLS SHALL HAVE A MINIMUM 10'x20'x1.5' RIP-RAP APRON INSTALLED USING 8" MIN. DIAMETER STONE, UNLESS OTHERWISE SPECIFIED.
29. SATISFACTORY TOPSOIL IS DEFINED AS SOIL BEING FREE OF SUBSOIL, CLAY LUMPS, STONES, AND OTHER OBJECTS OVER 1 INCH IN DIAMETER, OR CONTAMINANTS.
30. AFTER STRIPPING TOPSOIL, PROOFROLL SUBGRADE WITH A LOADED DUMP TRUCK WITH A MINIMUM WEIGHT OF 20 TONS TO DEMONSTRATE STABILITY. ADDITIONAL EXCAVATION, DRYING BY PROCESSING, TREATMENT OF THE EXISTING SOILS WITH AN ADMIXTURE, OR A COMBINATION OF THESE APPROACHES, MIGHT BE REQUIRED TO ACHIEVE STABLE CONDITIONS.
31. FINISH GRADES TOLERANCES ARE 0.10 FOOT ABOVE OR BELOW DESIGN ELEVATIONS.
32. PROVIDE TEMPORARY SEEDING ON STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR MORE.
33. MAXIMUM SLOPES IN ALL DIRECTIONS OF HANDICAP PARKING SPACES/AISLES SHALL BE 2%.

STORMWATER POLLUTION PREVENTION NOTES

1. REFER TO EROSION CONTROL PLAN FOR ADDITIONAL REQUIREMENTS.
2. THE OWNER AND THE CONTRACTOR ARE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO DISCHARGE CONSTRUCTION ACTIVITY STORMWATER APPLICATION TO THE LOCAL MISSISSIPPI ENVIRONMENTAL ASSISTANCE CENTER AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR AND OWNER SHALL PROVIDE (WITH THE (NOI) FOR THIS PROJECT) EXISTING NPDES PERMIT TRACKING NUMBERS FOR SITES WHERE BORROW MATERIAL MAY BE OBTAINED AND WHERE SPOIL MATERIAL MAY BE PLACED SHOULD PERMITS NOT EXIST FOR BORROW AND SPOIL SITES. SEPARATE (NOI)'S SHALL BE PROVIDED BY THE OWNER AND CONTRACTOR.
3. THE NOTICE OF COVERAGE (NOC) OF THE PERMIT TO DISCHARGE CONSTRUCTION-ACTIVITY STORMWATER SHALL BE POSTED NEAR THE CONSTRUCTION ENTRANCE. THE CONTRACTOR SHALL HAVE A SET OF APPROVED EROSION CONTROL PLANS ON SITE DURING ALL CONSTRUCTION.
4. THE CONSTRUCTION ACTIVITY ANTICIPATED ON THIS PROJECT INCLUDES CLEARING, GRUBBING, GRADING, TOPSOILING, AND SEEDING.
5. THE APPROXIMATE TOTAL AREA OF THE SITE IS 10,776 SQUARE FEET (.25 ACRES). THE APPROXIMATE TOTAL AREA OF GRADING PROPOSED IS 10,776 SQUARE FEET (.25 ACRES).
6. THE ANTICIPATED FILL MATERIAL WILL CONSIST OF ON-SITE SOIL AND/OR OFF-SITE SOIL BORROW MATERIALS.
7. THE RECEIVING WATER/STORM SEWER OPERATOR IS THE CITY OF JACKSON, AND THE STATE OF MISSISSIPPI.
8. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE EXPOSURE TIME OF CLEARED SURFACE AREA. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO EARTH MOVING OPERATIONS. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, AND AT MAXIMUM 7 CALENDAR DAYS IN DRY PERIODS AND WITHIN 24 HOURS OF ANY RAINFALL EXCEEDING 0.5 INCH PER 24 HOUR PERIOD.
9. THE CONTRACTOR SHALL DESIGNATE IN WRITING THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS.
10. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE REMOVED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING. ALL GRADED AREAS EXPECTED TO REMAIN UNFINISHED AND UNWORKED FOR MORE THAN 30 CALENDAR DAYS SHALL BE COVERED WITH TEMPORARY GRASS, SOD, STRAW, MULCH OR FABRIC MATS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 7 CALENDAR DAYS OF FINAL GRADING.
11. THE CONTRACTOR SHALL MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS AND REPAIRS FOR A MINIMUM OF 3 YEARS AFTER COMPLETION OF CONSTRUCTION.
12. TEMPORARY SEEDING FOR MISSISSIPPI PROJECTS INCLUDE THE FOLLOWING: JAN 1- MAY 1ITALIAN RYE/KOREAN LESPEDEZA/SUMMER OATS MAY 1- JULY 15 SUDAN OT STARR MILLET JULY 15-JAN 1 BALBOA RYE/ITALIAN RYE
13. MULCHING SHALL CONSIST OF LOOSE HAY OR STRAW APPLIED AT THE RATE OF 2 TONS/ACRE.
14. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM TRAPS, SILT FENCES, SEDIMENT PONDS, ETC. AS NECESSARY AND WHEN CAPACITY HAS BEEN REDUCED BY 50 %.
15. STOCKPILES SHALL BE STABILIZED AND PROTECTED FROM EROSION.
16. UPON COMPLETION OF SITE STABILIZATION, THE OWNER AND CONTRACTOR SHALL PROVIDE A NOTICE OF TERMINATION (NOT) FOR THE PROJECT TO THE MS DEPARTMENT OF ENVIRONMENTAL QUALITY. A COPY OF THE (NOT) SHALL BE PROVIDED TO THE ENGINEER.



NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.

SECTION VIEW

1 TREE PROTECTION

1/4" = 1'-0" P-UMC-15

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

RONALD C. McMASTER
LICENSED PROFESSIONAL ENGINEER
ENGINEER AND SURVEYOR
STATE OF MISSISSIPPI

1/8/25

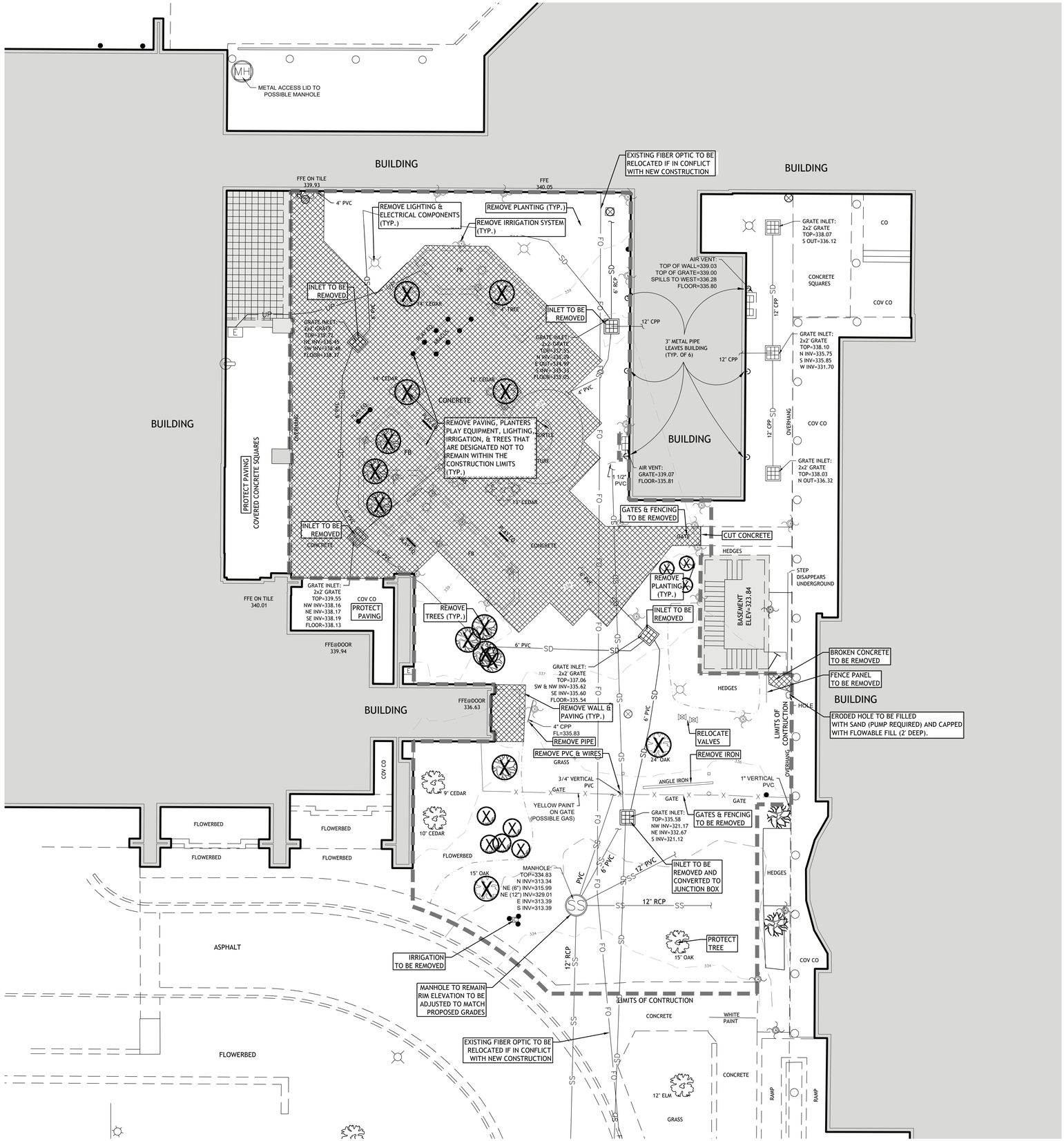
CONSTRUCTION DOCUMENTS

WBA # 23-057

REVISIONS

NO.	DESCRIPTION	DATE
	ADDENDA #2	2-5-2025

C0.1
GENERAL NOTES



0 10 20 30 feet

NORTH 1" = 10'

NOTES:

1. CONTRACTOR TO CONTACT AND COORDINATE WITH UTILITY PROVIDERS FOR REMOVAL AND RELOCATION OF EXISTING UTILITIES INCLUDING WATER, SANITARY SEWER, GAS, COMMUNICATION, ELECTRICAL, ETC.
2. ALL EXISTING STRUCTURES, TREES, PAVEMENTS, UTILITIES, ETC. NOT DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID ITEMS DURING CONSTRUCTION DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE FULLY REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER(S). ANY REPAIRS ARE TO BE APPROVED BY THE OWNER, ENGINEER, AND/OR ARCHITECT.
3. CONTRACTOR TO COORDINATE THE REMOVAL OF EXISTING UTILITIES WITH CURRENT ON-GOING OPERATIONS OF THE EXISTING FACILITIES AS TO CAUSE NO INTERRUPTION IN SERVICE (i.e. WATER, SEWER, GAS, ELECTRICAL, COMMUNICATIONS, ETC.).
4. CONTRACTOR TO SECURE THE SITE AND SHALL COORDINATE SCOPE, LIMITS AND ACCESS POINTS WITH THE OWNER.
5. CONTRACTOR TO COORDINATE EMPLOYEE PARKING, LAY-DOWN AND STAGING AREAS, AND OFFICE TRAILER LOCATIONS WITH THE OWNER.
6. UNDERCUTTING MAY BE NECESSARY IN AREAS WITH WEAK SOILS.
7. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. DURING THE LOCATING PROCESS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN ORDER THAT THE LOCATION AND GRADE CAN BE RECORDED. SHOULD ANY CONFLICTS ARISE BETWEEN THE EXISTING UTILITIES AND PROPOSED IMPROVEMENTS, THE ENGINEER SHALL MAKE ADJUSTMENTS IN THE DESIGN ELEMENTS AND/OR DIRECT THE CONTRACTOR TO ADJUST EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ALL COSTS FOR LOCATING THE EXISTING UTILITIES, INCLUDING ANY SUBCONTRACTORS, SHALL BE INCLUDED IN THE CONTRACTORS BID. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
8. ALL TREES, UNDERBRUSH, AND DEBRIS WITHIN THE CONSTRUCTION LIMITS TO BE REMOVED UNLESS NOTED OTHERWISE.
9. SPECIAL CARE SHALL BE TAKEN FOR THE EXISTING GRATE INLETS DESIGNATED TO BE REMOVED. NEW GRATE INLETS SHALL BE INSTALLED PER C-2.1. ALL EXISTING PIPING SHALL BE PROTECTED IN ORDER TO CONNECT TO THE NEW INLETS.
10. ALL EXISTING STORM DRAINS NOT NEEDED FOR EXISTING DOWNSPOUTS, ROOF DRAINS, CATCH BASINS, ETC., SHALL BE REMOVED. THE CONTRACTOR SHALL PERFORM AN ADEQUATE EVALUATION OF ALL PIPING TO DETERMINE THE LOCATION AND DEPTHS. THE CONTRACTOR SHALL ENSURE THAT A FULLY FUNCTIONING DRAINAGE SYSTEM IS PROVIDED FOLLOWING CONSTRUCTION.
11. IF THE CONTRACTOR DISCOVERS ADDITIONAL PIPING CONNECTED TO DESIGNATED INLETS, PIPES, OR EXTENSIONS SCHEDULE FOR REMOVAL, THEY SHALL CONNECT AND ROUTE THE DISCOVERED PIPE TO THE NEAREST INLET, ENSURING POSITIVE DRAINAGE.

LEGEND:

- CONSTRUCTION LIMITS
- REMOVE PAVING, PLANTER WALLS, PLAY EQUIPMENT, POLES AND IRRIGATION
- GUARD POST / POLE
- FENCE POST
- E — ELECTRICAL BOX
- IC — IRRIGATION CONTROL BOX
- SS — SANITARY SEWER MANHOLE
- CLEANOUT
- GROUND LIGHT
- LAMP
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- SPRINKLER
- WATER HYDRANT
- ROOF DRAIN
- GRATE INLET
- TREES / VEGETATION (REMOVE MARKED WITH "X")
- SHRUBS / HEDGES (REMOVE MARKED WITH "X")
- MUSICAL NOTES (PLAY EQUIP)
- XYLOPHONE (PLAY EQUIP)
- WHIRLYBIRD (PLAY EQUIP)
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN
- FO — FIBER OPTIC LINE
- X — X — FENCE LINE
- COV CO — COVERED CONCRETE
- FB — FLOWERBED
- BEDLINES

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND
THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

DONALD C. McMASTER LICENSED PROFESSIONAL ENGINEER AND SURVEYOR 15045 STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

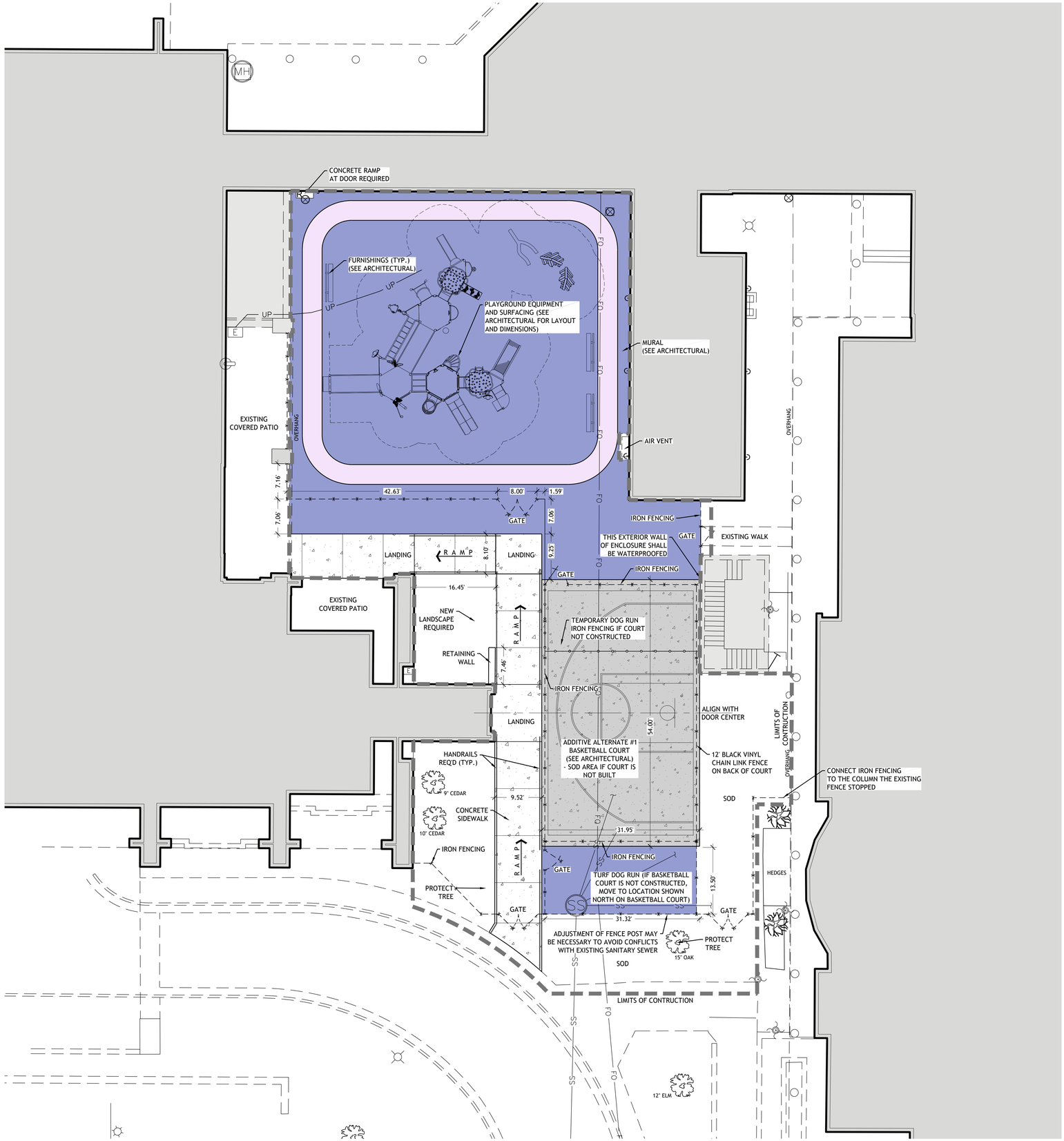
WBA # 23-057

REVISIONS

NO.	DESCRIPTION	DATE
	ADDENDA #2	2-5-2025

M[c]MASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

C0.2
EXISTING CONDITIONS & DEMO PLAN



NORTH

0 10 20 30 feet

1" = 10'

NOTES:

1. THE TOTAL AREA OF THIS DEVELOPMENT IS AS FOLLOWS: .25 AC./10,776 S.F.
2. THE AREA WILL BE UTILIZED AS A SECURED PLAYGROUND.
3. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH UMMC STANDARDS.
4. ALL LANDSCAPING AND LIGHTING SHALL CONFORM TO UMMC STANDARDS.
5. PLAYGROUND EQUIPMENT AND SURFACING, BENCHES, AND MURAL (SEE ARCHITECTURAL FOR LAYOUT AND DIMENSIONS)
6. THE BASKETBALL COURT, FENCING, AND EQUIPMENT TO BE BID AS AN ADDITIVE ALTERNATE #1.

LEGEND:

- CONSTRUCTION LIMITS
- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SURFACE
- PROPOSED PLAYGROUND TRACK SURFACE
- PROPOSED BASKETBALL PAVING
- E — ELECTRICAL BOX
- SS — SANITARY SEWER MANHOLE
- CLEANOUT
- GROUND LIGHT
- LAMP
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- SPRINKLER
- WATER HYDRANT
- ROOF DRAIN
- GRATE INLET
- TREES / VEGETATION
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN
- FO — FIBER OPTIC LINE
- PROPOSED IRON FENCE

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

BRAD C. McMASTER — LICENSED PROFESSIONAL ENGINEER AND SURVEYOR — 15,684 — STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

WBA # 23-057

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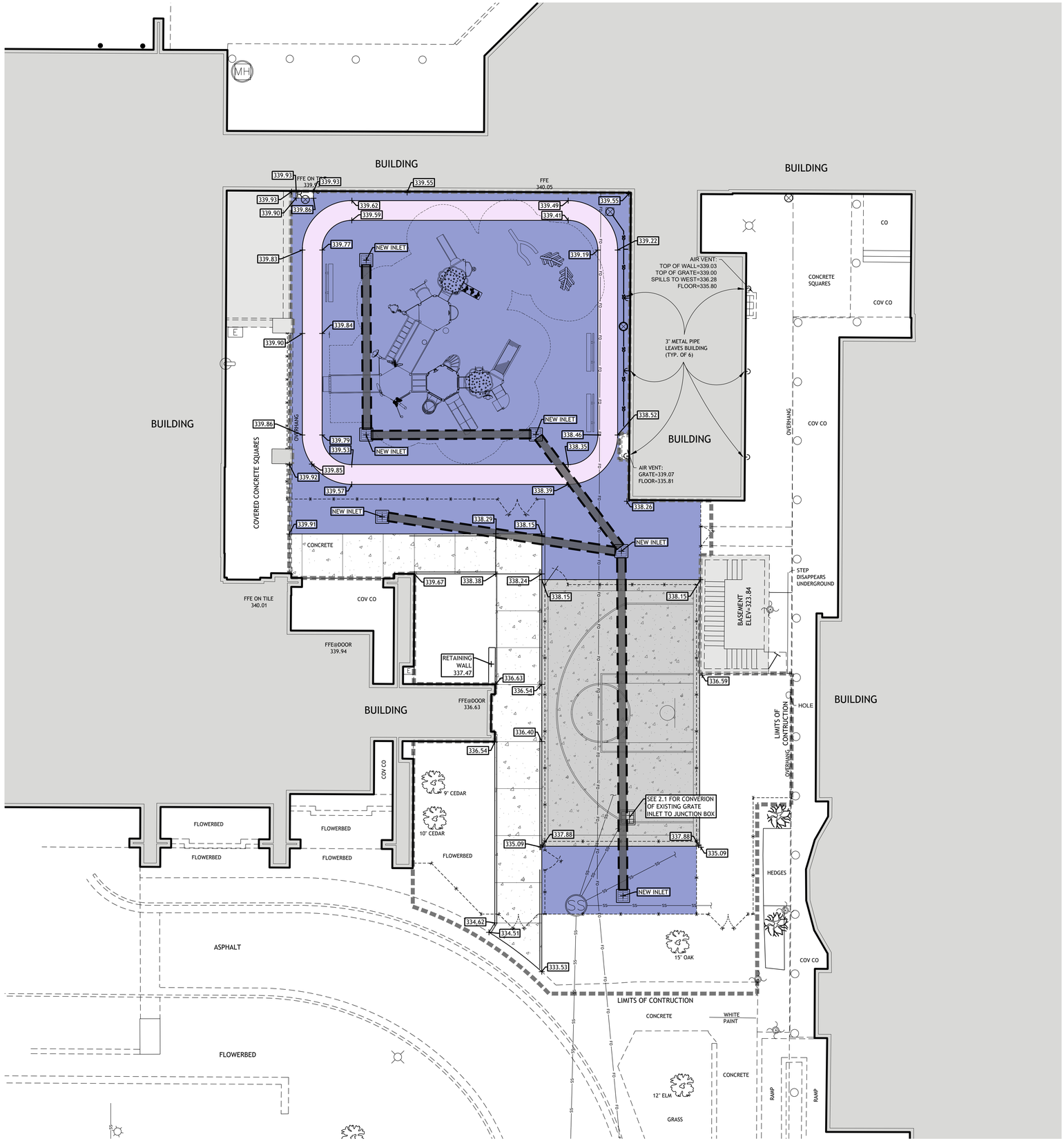
212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

C1.0
SITE PLAN



NORTH

0 10 20 30 feet

1" = 10'

LEGEND:

- CONSTRUCTION LIMITS
- PROPOSED PVC DRAINAGE PIPE (SIZES VARY)
- DRAINAGE PIPE
- GRATE INLET
- 335.09 PROPOSED FINISHED GRADE ELEVATION
- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SURFACE
- PROPOSED PLAYGROUND TRACK SURFACE
- PROPOSED BASKETBALL PAVING
- E ELECTRICAL BOX
- SS SANITARY SEWER MANHOLE
- CLEANOUT
- GROUND LIGHT
- LAMP
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- SPRINKLER
- WATER HYDRANT
- ROOF DRAIN
- TREES / VEGETATION
- SS SANITARY SEWER LINE
- SD STORM DRAIN
- FO FIBER OPTIC LINE
- PROPOSED IRON FENCE
- COV CO COVERED CONCRETE

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

RONALD C. McMASTER
LICENSED PROFESSIONAL
ENGINEER AND SURVEYOR
NO. 12345
STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

WBA # 23-057

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212 WATERFORD SQUARE
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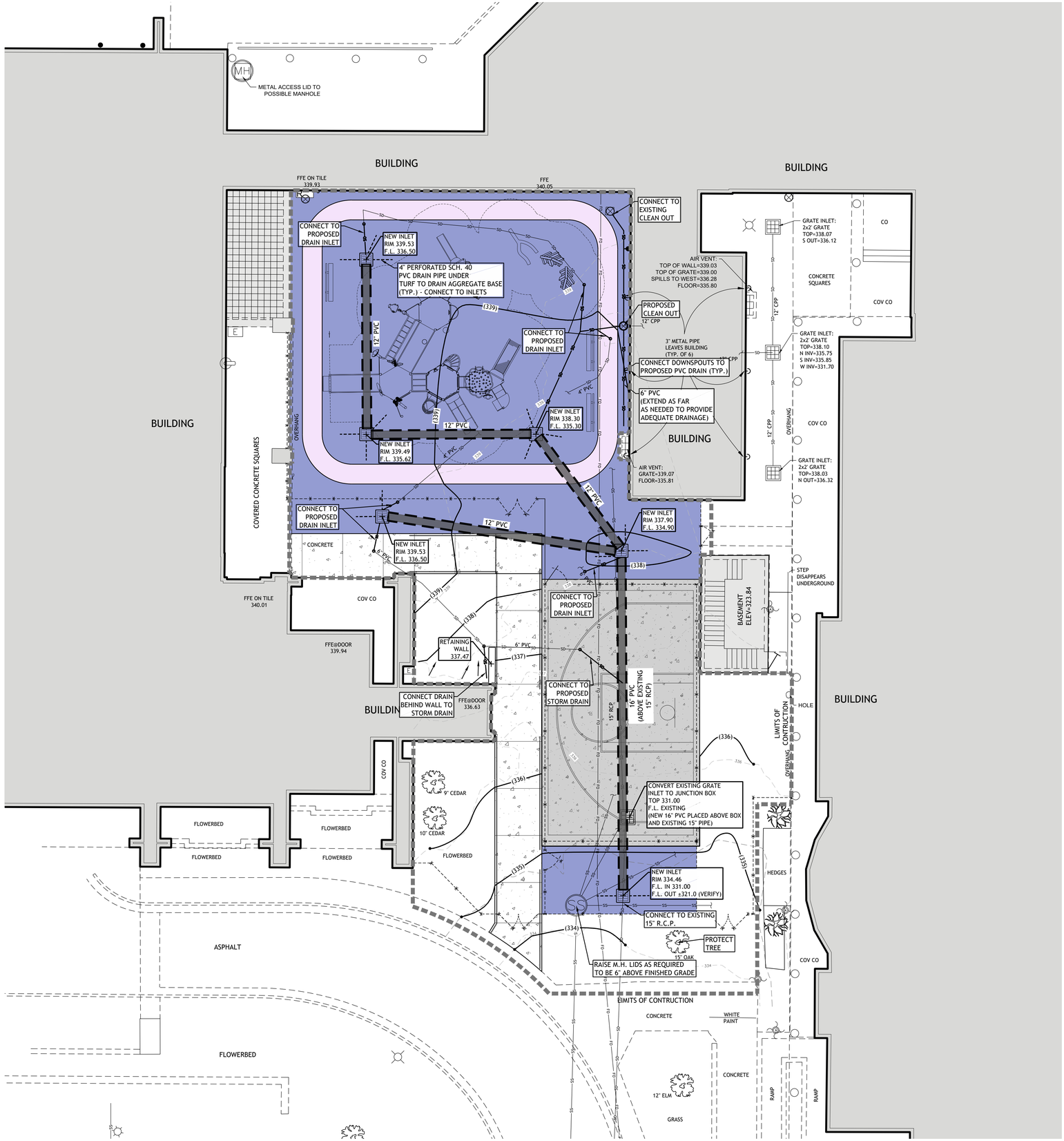
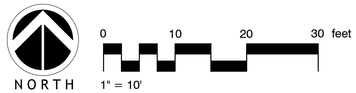
MADISON, MS 39110
601.605.1090

C2.0
SPOT ELEVATIONS





NOTES:

1. CONTOUR INTERVAL = 1.00 FEET.
2. THE INVERTS OF ALL INLETS SHALL BE GROUTED TO INSURE POSITIVE DRAINAGE.
3. THE TOPS OF ALL INLETS SHALL MATCH THE SLOPE AND GRADE OF FINISHED ELEVATIONS.
4. BEFORE BACKFILLING AND SUBGRADE OPERATIONS COMMENCE, 98% DENSITY AND ACCEPTABLE STABILITY IS REQUIRED.
5. CONTRACTOR TO ADJUST AREA INLET TOP ELEVATIONS TO FINISHED GRADE.
6. ALL REFERENCES TO A.I. REFERS TO AREA INLETS, C.I. REFERS TO CURB INLETS, AND J.B. REFERS TO JUNCTION BOX.
7. ALL ROOF DRAIN PIPE SHALL BE P.V.C., SCHEDULE 40. A CLEANOUT WILL BE REQUIRED AT ALL BENDS IN ROOF DRAIN FOR ACCESS AND MAINTENANCE.
8. CONNECT ALL ROOF DRAINS TO INTERNAL ROOF LEADER FROM BUILDING. (CLEANOUT WITH LOCKABLE LID REQUIRED-TYPE TO BE APPROVED)
9. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY UNKNOWN STORM PIPING IS DISCOVERED DURING PROJECT.
10. CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING STORM AND SANITARY SEWERS WITH THE INSTALLATION OF THE NEW UTILITIES.
11. AREA INLETS LOCATED WITHIN SIDEWALKS AND WALKWAYS SHALL HAVE ADA COMPLIANT AND HEEL-PROOF RATED RUST-PROOF GRATES. TYPE TO BE APPROVED BY THE ARCHITECT.
12. SEE LANDSCAPING AND ELECTRICAL FOR SLEEVING AND CONDUIT LOCATIONS.
13. CONTRACTOR TO MODIFY THE LOCATION OF PROP. LIGHT POLE BASES TO PREVENT INTERFERENCE WITH PROP. STORM SEWER AND INLETS.
14. CONTRACTOR SHALL RAISE THE TOPS OF ALL EXISTING VALVE BOXES AND MANHOLE TOPS, AS REQUIRED, TO MATCH PROPOSED GRADES.
15. ALL PROPOSED PVC DRAIN —SD— SHOWN SHALL MATCH THE SIZE OF THE EXISTING PIPE IT IS CONNECTING TO.

LEGEND:

- CONSTRUCTION LIMITS
- PROPOSED PVC DRAINAGE PIPE (SIZES VARY)
- DRAINAGE PIPE
- GRATE INLET
- 335.09 PROPOSED FINISHED GRADE ELEVATION
- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SURFACE
- PROPOSED PLAYGROUND TRACK SURFACE
- PROPOSED BASKETBALL PAVING
- E ELECTRICAL BOX
- SS SANITARY SEWER MANHOLE
- CLEANOUT
- GROUND LIGHT
- LAMP
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- SPRINKLER
- WATER HYDRANT
- ROOF DRAIN
- TREES / VEGETATION
- SS SS SANITARY SEWER LINE
- SD SD STORM DRAIN
- FO FO FIBER OPTIC LINE
- PROPOSED IRON FENCE
- COV CO COVERED CONCRETE

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

RONALD C. McMASTER LICENSED PROFESSIONAL ENGINEER AND SURVEYOR 13466 STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

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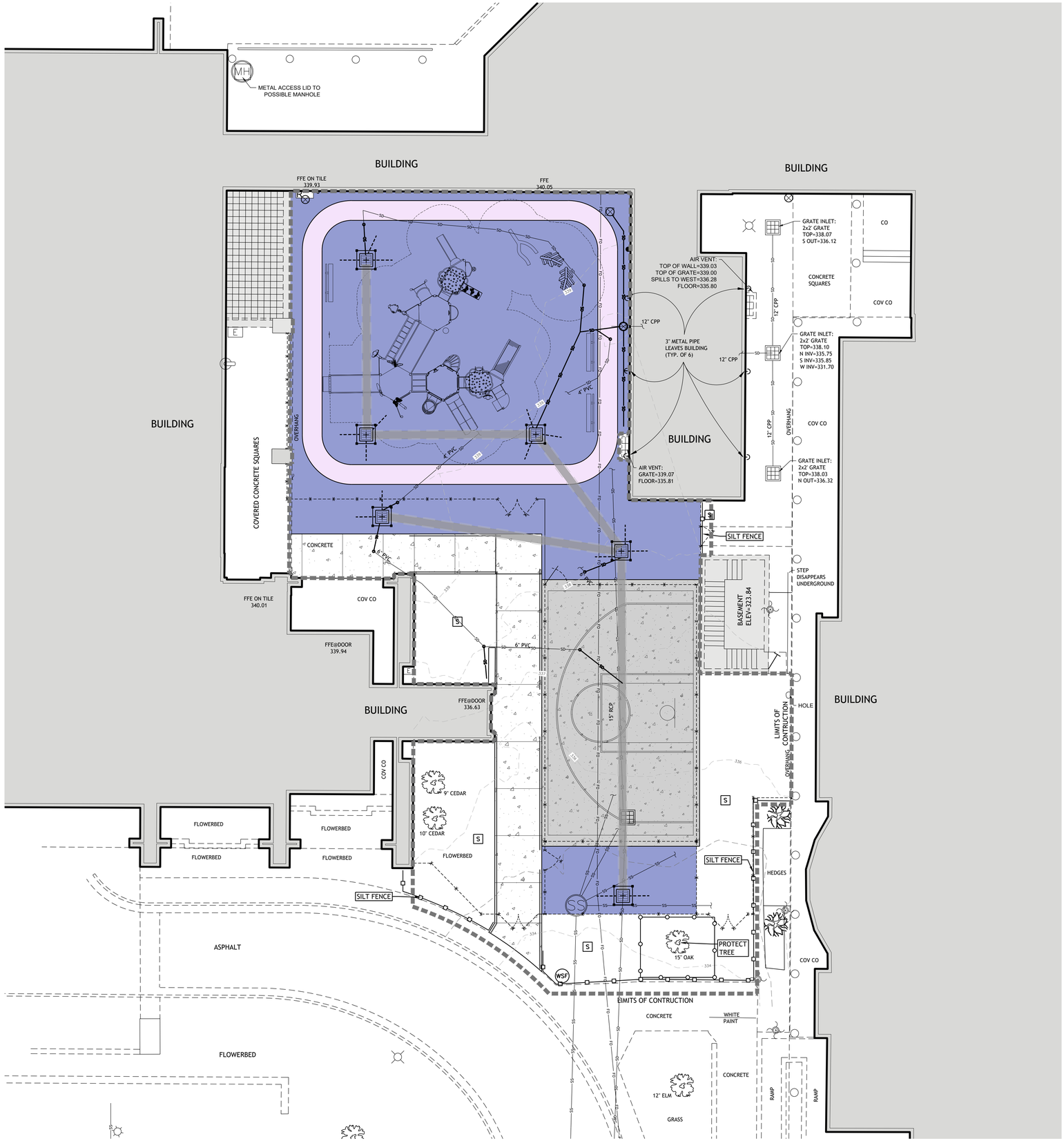
McMASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

C2.1
GRADING & DRAINAGE PLAN



NORTH

0 10 20 30 feet

1" = 10'

NOTES:

1. CONTRACTOR SHALL KEEP ALL EXISTING STREETS FREE AND CLEAN OF DEBRIS AND SEDIMENT DURING CONSTRUCTION.
2. ALL INLETS SHALL BE PROTECTED BY SILT FENCE AND WATTLES FOLLOWING INSTALLATION. CONTRACTOR SHALL MAINTAIN INLET PROTECTION UNTIL FINAL STABILIZATION.
3. FOLLOW PLANNING AND DESIGN MANUAL (DEQ) FOR STORMWATER MANAGEMENT.
4. ANY DISTURBED AREAS LAID-UP FOR OVER 7 DAYS WILL BE SEEDED (TEMPORARY) IMMEDIATELY. AFTER FINAL GRADING, ALL DISTURBED AREAS WILL BE SODDED IMMEDIATELY.

TEMPORARY EROSION CONTROL PRACTICES:

- STORM DRAIN INLET PROTECTION (SILT FENCE, WATTLE)
- SILT FENCE
- PROTECTIVE FENCE

PERMANENT EROSION CONTROL PRACTICES

- S — TEMPORARY AND PERMANENT SEEDING/SODDING
- WSF — WATTLE AND SILT FENCE

LEGEND:

- CONSTRUCTION LIMITS
- PROPOSED PVC DRAINAGE PIPE (SIZES VARY)
- DRAINAGE PIPE
- GRATE INLET
- PROPOSED CONCRETE PAVING
- PROPOSED PLAYGROUND SURFACE
- PROPOSED PLAYGROUND TRACK SURFACE
- PROPOSED BASKETBALL PAVING
- E — ELECTRICAL BOX
- SS — SANITARY SEWER MANHOLE
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- ROOF DRAIN
- TREES / VEGETATION
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN
- FO — FIBER OPTIC LINE
- PROPOSED IRON FENCE
- COV CO — COVERED CONCRETE

WBA ARCHITECTURE

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JACKSON, MS 39216

BRAD C. McMASTER — LICENSED PROFESSIONAL ENGINEER AND SURVEYOR — STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

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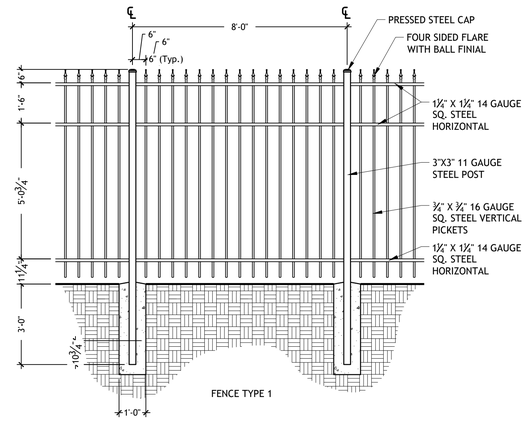
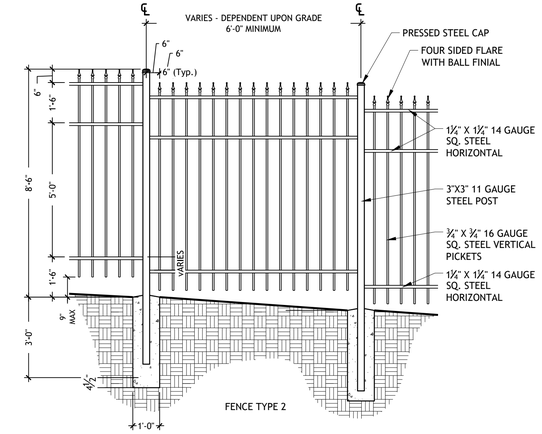
McMASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

C3.0
EROSION CONTROL PLAN



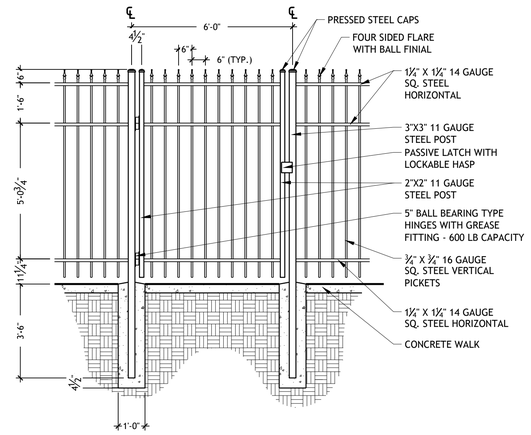
1 UMC TYPICAL STRAIGHT RUN FENCE

3/8" = 1'-0" P-UMC-05



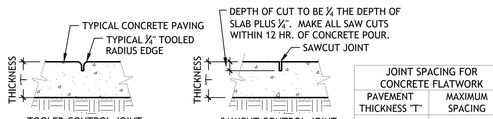
2 UMC TYPICAL STEPPED RUN FENCE

3/8" = 1'-0" P-UMC-07



3 UMC TYPICAL PEDESTRIAN GATE

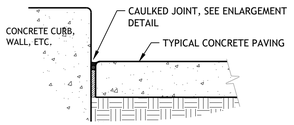
3/8" = 1'-0" P-UMC-06



NOTES:
1. CONTRACTION JOINTS TO BE SPACED EVERY 6' OR AS INDICATED IN THE CHART.
2. CONTRACTION JOINTS WITH WIDTHS 1/4" WIDE OR GREATER SHALL BE SEALED WITH APPROVED SEALANT.

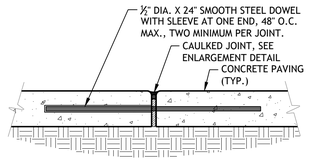
JOINT SPACING FOR CONCRETE FLATWORK	
PAVEMENT THICKNESS "T"	MAXIMUM SPACING
8" OR GREATER	15'
7"	14'
6"	12'
5"	10'
4"	8'

CONTRACTION JOINTS IN CONCRETE

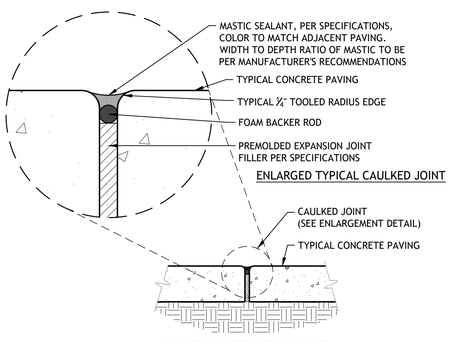


CONCRETE PAVING AT VERTICAL PLANE

DOWEL SCHEDULE		
PAVEMENT THICKNESS	DOWEL DIAMETER	DOWEL LENGTH
8"	1 ¼"	15"
7"	1"	14"
6"	¾"	14"
5"	⅝"	14"
4"	½"	14"



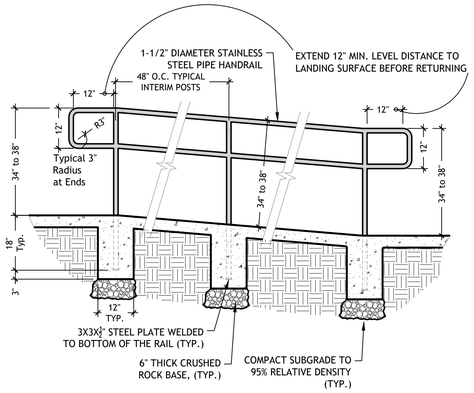
DOWELED CONSTRUCTION JOINT



CAULKED CONSTRUCTION JOINT

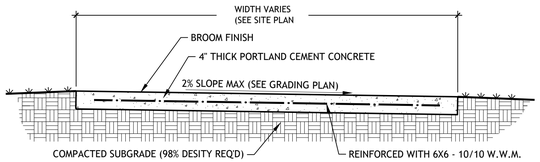
4 TYPICAL CONCRETE PAVING JOINT DETAILS

1 1/2" = 1'-0" P-UMC-08



5 STAINLESS HANDRAIL AT RAMP

1" = 1'-0" P-UMC-09

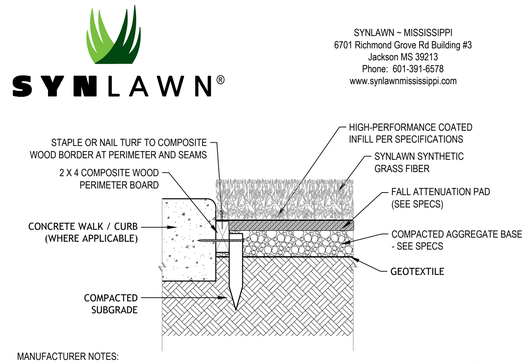


NOTES:
1. CONCRETE SHALL BE 4,000 P.S.I. IN 28 DAYS MINIMUM.
2. PROVIDE CONTRACTION JOINTS AT 8'-0" O.C. AND EXPANSION JOINTS AT 30'-0" O.C.
3. SEE JOINTING DETAIL FOR EXPANSION JOINT NOTES.

6 CONCRETE SIDEWALK DETAIL

1" = 1'-0" P-32-16-23-09

SYNLAWN - MISSISSIPPI
6701 Richmond Grove Rd Building #3
Jackson MS 39213
Phone: 601-391-6578
www.synlawnmississippi.com

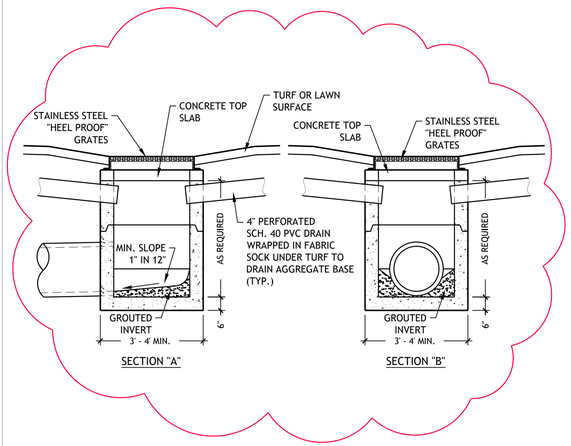


MANUFACTURER NOTES:
1. THE GRASS MUST BE INSTALLED AND SEAMED WITH ADJACENT PIECES RUNNING IN THE SAME DIRECTION; SEAMS SHOULD BE GLUED WITH SUITABLE SEAMING GLUE AND SEAMING CLOTH, NOT ADHESIVE TAPE.
2. FOR PET INSTALLS IT IS RECOMMENDED TO RINSE DAILY TO PREVENT ODORS REGARDLESS OF PET DEODORIZER USE.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.

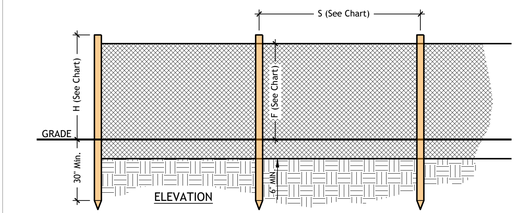
7 SYNLAWN PLAY SYSTEM DETAIL

1 1/2" = 1'-0" P-UMC-02



8 SINGLE PRECAST AREA INLET DETAIL

N.T.S. P-33-40-01



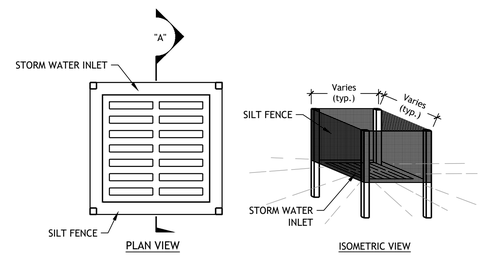
NOTES:
1. USE SILT FENCE WITHOUT BACKING UNLESS OTHERWISE NOTED.
2. SILT FENCE SHALL BE INSTALLED USING A MECHANICAL TRENCHING MACHINE.
3. FABRIC, IN AREAS WHERE ROCK PROHIBITS PROPER EMBEDMENT, SHALL BE SECURED BY PLACING CLEAN CRUSHED STONE OR SAND ALONG THE BASE OF THE FENCE, 20 POUNDS OF STONE OR SAND PER FOOT, MINIMUM.
4. FILTER FABRIC SHALL BE FASTENED TO POSTS WITH A MINIMUM OF FIVE WIRES OR PLASTIC ZIP TIES WITH A MINIMUM 50 LBS. TENSILE STRENGTH.
5. CONTRACTOR SHALL PERIODICALLY REMOVE ACCUMULATED SEDIMENT WHEN SEDIMENT DEPTH REACHES 12".

POST, SIZE, MATERIAL, AND SPACING CHART		
	WITHOUT BACKING	WITH BACKING
MIN. LENGTH = L	58"	58"
MIN. HEIGHT = H	2'-0"	2'-6"
MAX. SPACING = S	6'-0"	6'-0"
MIN. FABRIC WIDTH	28"	28"
MATERIAL	1.25 LB/FT. STEEL	1.25 LB/FT. STEEL
	WITHOUT BACKING	WITH BACKING
TENSILE STRENGTH (LBS. MIN.) (1) (ASTM D-4632)	WARP - 120 FILL-100	WARP - 310 FILL-200
ELONGATION (% MAX.) (ASTM D-4632)	20	~~~~
AOS (APPARENT OPENING SIZE) (MAX. SIEVE SIZE) (ASTM D-4751)	#30	#70
FLOW RATE (GAL.MIN./SQ.FT) (GDT-87) (MAX.)	4	18
ULTRAVIOLET STABILITY (2) (ASTM D-4632 AFTER 300 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355)	70	90
BURSTING STRENGTH (PSI MIN.) (ASTM D-3786 DIAPHRAM BURSTING STRENGTH TESTER)	250	400
MIN. FABRIC WIDTH (INCHES) = F+8"	36	36

(1) MINIMUM ROLL AVERAGE OF FIVE SPECIMENS.
(2) PERCENT OF REQUIRED INITIAL MINIMUM STRENGTH.

9 SILT FENCE INSTALLATION DETAILS

1" = 1'-0" P-UMC-10



10 SILT FENCE INLET PROTECTION DETAIL

3/4" = 1'-0" P-UMC-11

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND
THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

DONALD C. McMASTER LICENSED PROFESSIONAL ENGINEER AND SURVEYOR 15,664 STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

WBA # 23-057

REVISIONS

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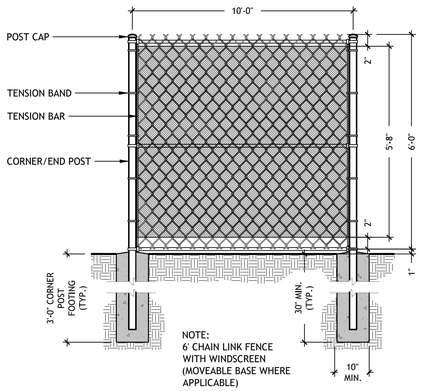
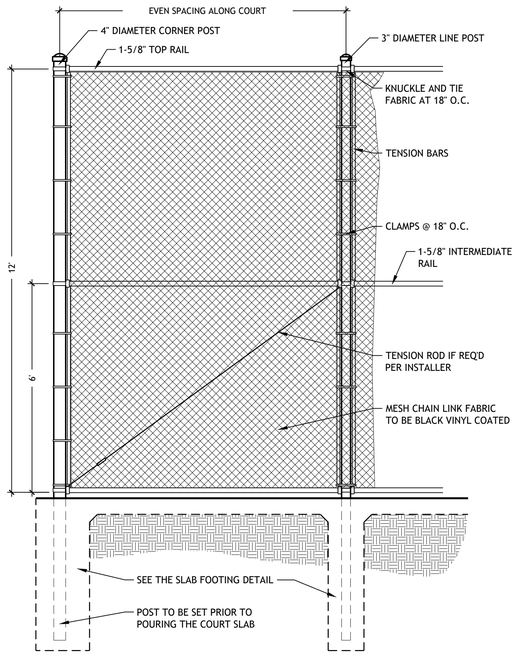
McMASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

C4.0
MISCELLANEOUS DETAILS



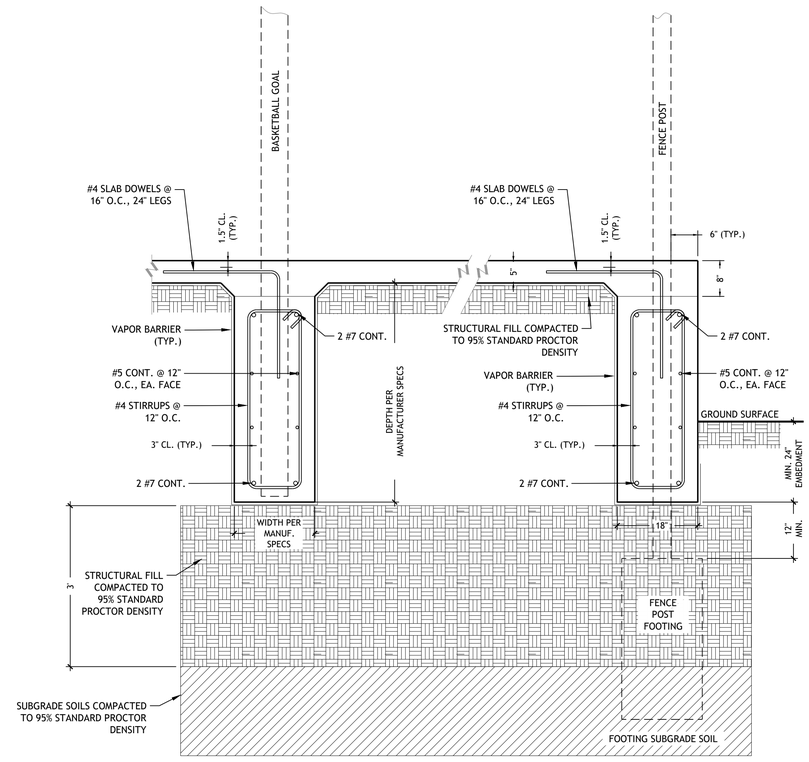
1 CONSTRUCTION FENCING

1/2" = 1'-0" P-UMC-12



2 12' BASKETBALL COURT FENCE / NETTING

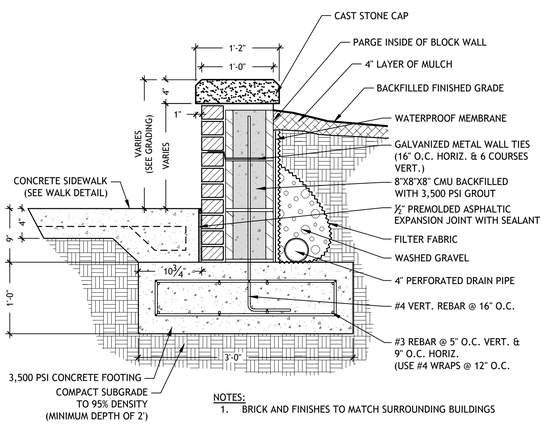
1/2" = 1'-0" P-UMC-16



NOTES:
1. CONCRETE SHALL BE CLASS B (3500 PSI @ 28 DAYS).
2. REINFORCING STEEL SHALL BE GRADE 60.
3. FENCE POST AND POST FOOTING SHALL BE INSTALLED PRIOR TO SLAB FOOTING.
4. FENCE POST PENETRATIONS THROUGH SLAB FOOTING SHALL BE WRAPPED IN EXPANDABLE POLYSTRNENE FOAM ($\frac{1}{2}$" THICK) FOR THE ENTIRE LENGTH OF PENETRATION AND SEALED WITH ELASTOMERIC SEALANT.
5. COMPACTION AND STABILITY OF FOOTING SUBGRADE SOILS SHALL BE VERIFIED BY ENGINEER PRIOR TO INSTALLATION OF STRUCTURAL FILL MATERIAL.
6. IF COMPACTION AND STABILITY AND SUBGRADE SOILS CANNOT BE OBTAINED, CONTRACTOR SHALL OVER-EXCAVATE TRENCH BOTTOM AN ADDITIONAL 2 FEET OF DEPTH, INSTALL TYPE V NON-WOVEN GEOTEXTILE FABRIC ACROSS TRENCH BOTTOM, AND BACKFILL WITH COMPACTED STRUCTURAL FILL MATERIAL.
7. CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS AT MAX 10' X 10' SPACING.
8. FOLLOW MANUFACTURER SPECS FOR BASKETBALL GOAL FOUNDATION WIDTH AND DEPTH.

3 BASKETBALL SLAB FOOTING DETAIL

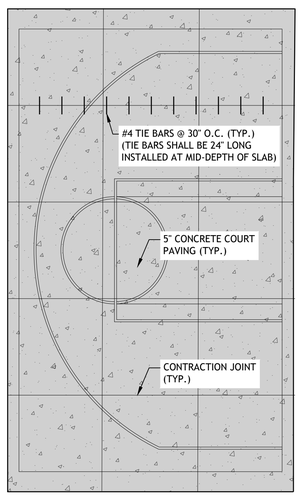
3/4" = 1'-0" P-UMC-21



NOTES:
1. BRICK AND FINISHES TO MATCH SURROUNDING BUILDINGS

4 RETAINING WALL DETAIL

1" = 1'-0" P-UMC-20



5 BASKETBALL COURT CONCRETE JOINTING DETAIL

1/8" = 1'-0" P-UMC-22

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND
THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

RONALD C. McMASTER
LICENSED PROFESSIONAL
ENGINEER AND SURVEYOR
STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

WBA # 23-057

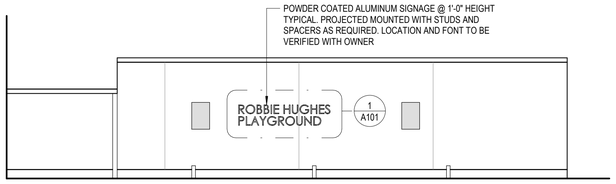
REVISIONS

NO.	DESCRIPTION	DATE
	ADDENDA #2	2-5-2025

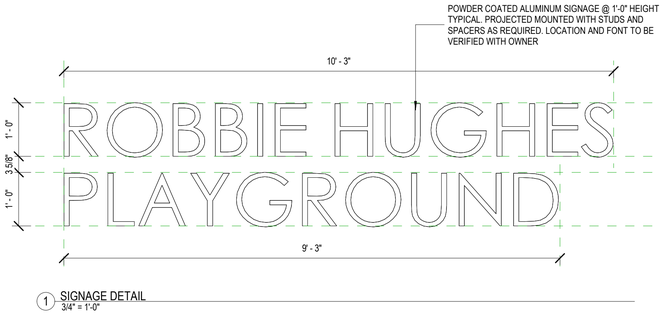
McMASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS

212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
601.605.1090

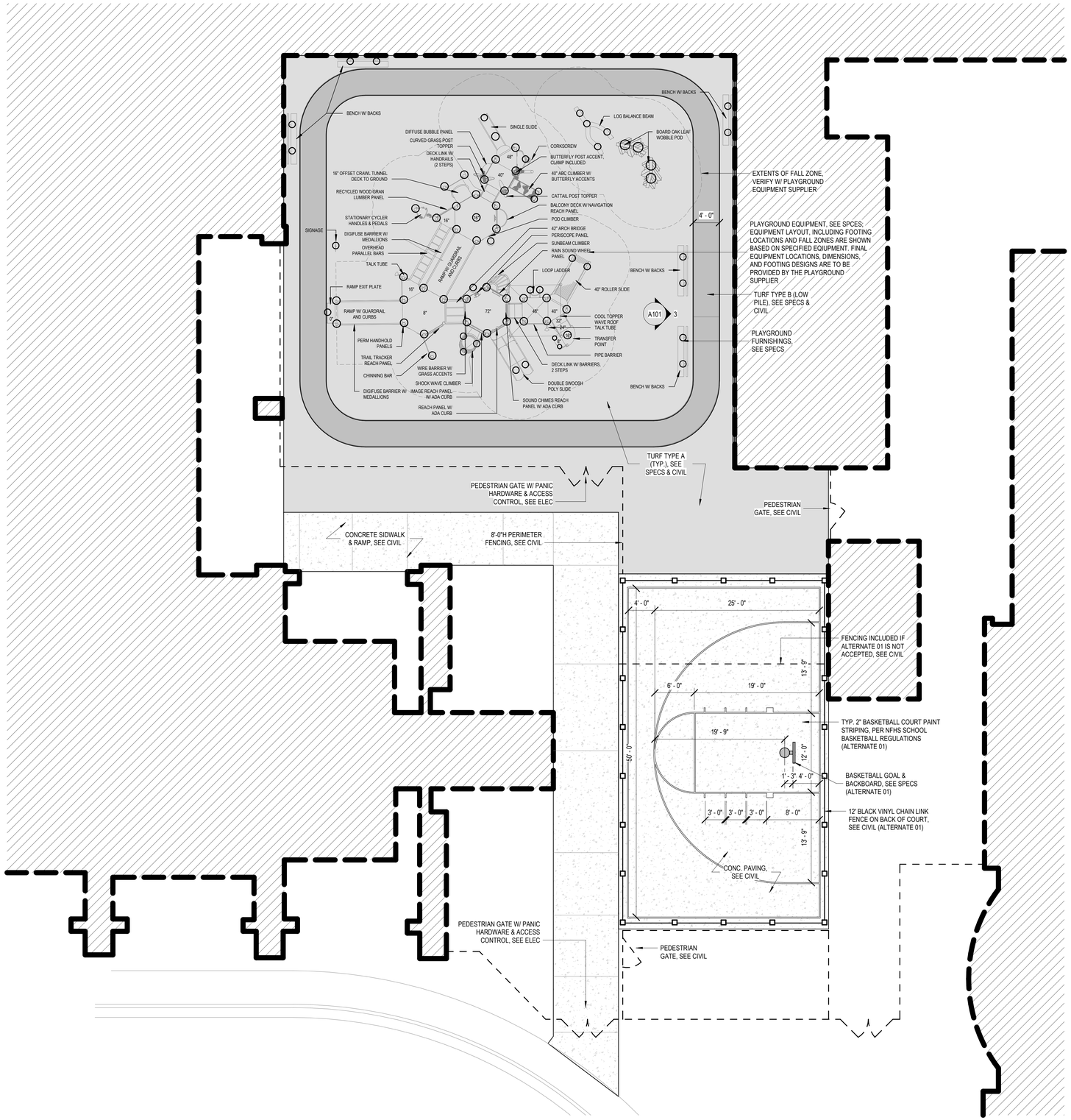
C4.1
MISCELLANEOUS DETAILS



3 1 - a
1/8" = 1'-0"



1 SIGNAGE DETAIL
3/4" = 1'-0"



2 ARCHITECTURAL SITE PLAN (ALTERNATE 01)
1/8" = 1'-0"

WBA ARCHITECTURE

ROBBIE HUGHES PLAYGROUND UMMC PROJ# 2606018

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

2500 N STATE ST
JACKSON, MS 39216

REGISTERED ARCHITECT
MICHAEL WARREN BOENKER
4560
STATE OF MISSISSIPPI

1/8/25

CONSTRUCTION DOCUMENTS

WBA # 23-057

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 02	1/17/25

1

A101
ARCHITECTURAL SITE PLAN