

ADDENDUM NO. 3

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**South Fountains Restoration
Missouri State Capitol Building
Jefferson City, Missouri
PROJECT NO.: 02204-01**

Bid Open Date: 1:30PM, Tuesday, June 10, 2025 (Not Changed)

Revised Bid Form is attached. Bidders must use the bid form marked REVISED PER ADDENDUM #3 to bid this project.

Bidders and Historic Masonry Restoration/Abrasive Cleaning Specialists are hereby informed of the following:

SPECIFICATION CHANGES:

1. Section 004113 – Bid Form
 - a. Unit pricing has been added. **Bidders must use the attached Bid Form marked REVISED PER ADDENDUM #3 to bid this project.**
2. ADD Section 012200 – UNIT PRICES
3. ADD Section 004322 – UNIT PRICES FORM
4. Section 329300 – PLANTS
REVISE Paragraph 1.2, B, 2 as follows: MODOT Section 803, Sodding

DRAWING CHANGES:

1. A topographic site plan has recently been provided by the Owner. Some of the revised drawings show this new content.
2. Sheet L001
 - a. REVISE overall plant schedule GROUND COVERS RP Restoration Planting, to include sod, not seed.
3. Sheet L002
 - a. REVISE West Fountain plant schedule GROUND COVERS RP Restoration Planting to include sod, not seed.
 - b. REVISE East Fountain plant schedule GROUND COVERS RP Restoration Planting to include sod, not seed.
 - c. REVISE Layout & Grading Note 9 as follows:
 9. All areas shall be brought to final plan condition (paved, soded, or mulched) as soon as possible to maintain finish grade conditions and prevent soil loss.
 - d. REVISE Layout & Grading Note 12 as follows:
 12. All areas disturbed during construction and not designated for other plantings shall be soded with bluegrass species to match existing site species.
4. Sheet A151
 - a. ADD General Note:
Stone units indicated for replacement shall be salvaged and reused in stone repair work where remainder of slab is in good condition and can be set using same bedding plane configuration.
 - b. ADD South Fountain Keynotes as follows:

- K. Remove det'd stone area. Install dutchman repair (approx 6"X12") using adjacent historic salvaged stone cap.
- L. Spec 040120 – Remove (3) damaged full depth portions of limestone vertical panel. install full depth limestone dutchman patch at each location. Use removed and salvaged portion of historic stone for patches.
- c. Detail 1 – ADD fountain limestone coping slab repairs and replacements
See W1, W3, W9, W13, and W14
- d. Detail 3 – ADD Notes and Unit Price information as follows:

Existing limestone backup and attachments are unknown. Contractor shall include matching the existing system and/or shall include replacement system in bid for all work areas designated for repair or replacement.

Remove all soil and vegetation from entire perimeter of fountain.

Assess stone and concrete foundation perimeter at areas currently below grade. Notify and coordinate findings with architect.

Provide unit price for unforeseen stone repairs.

Repair reinforced concrete curb supports where missing. deteriorated or spalled. Dowel new concrete into basin footing.

Provide unit price for unforeseen concrete repairs.

5. Sheet A200

- a. ADD General Note:
Stone units indicated for replacement shall be salvaged and reused in stone repair work where remainder of slab is in good condition and can be set using same bedding plane configuration.
- b. ADD South Fountains Keynotes as follows:
 - K. remove det'd stone area. install dutchman repair (approx 6"X12") using adjacent historic salvaged stone cap.
 - L. SPEC 040120 – Remove (3) damaged full depth portions of limestone vertical panel. Install full depth limestone dutchman patch at each location. Use removed and salvaged portion of historic stone for patches.
- c. Detail 1 – ADD fountain limestone coping and wall slab repairs and replacements
See W1, W3, W27, W41, and W42
- d. Detail 2 – ADD fountain limestone coping slab replacements
See W13, and W14

6. Sheet M101

- a. Contour lines added to site plan
- b. ADD the following notes:
See Landscape sheets for grade changes around retaining wall. Contractor to power wash and rub any exposed concrete from grade changes with the exception of the stone panels.

Contractor to field verify pipe routing doesn't conflict with site layout – new piping to reuse existing pipe penetrations.
- c. REMOVE and REPLACE BASE BID note as follows:
Replace all exposed fountain piping within equipment and basement area with PVC.
Any/all copper is to be salvaged and given to the Owner for recycling.

Existing below grade piping to be protected and preserved as is (not replaced)
- d. REMOVE note calling for ornamental fence around chemical tanks
- e. REVISE note to read "See Sheet M102"

7. Sheet M102
 - a. REVISE note to indicate to contractor to route drain piping along existing curb inlet piping route
 - b. ADD note to indicate to contractor to core new drainpipe into existing curb inlet
8. Sheet M150
 - a. Detail A -
 - REVISE note to indicate to contractor to reuse existing pipe penetrations for new piping and provide new grout fill around pipe openings
 - REVISE note to indicate to contractor to core drill new penetration for 1" conduit for chemical feeders and provide new grout fill around pipe opening
 - REVISE retaining wall detail to taper wall from 2'-6" to 1'-0", with new top EL. Of 613.50
 - ADD retaining wall footing (Dashed) on the plan view
 - ADD note indicating to contractor the tank side of the retaining wall section view
 - REVISE note to indicating to contractor No pipe sleeves or coring allowed unless otherwise noted
 - REVISE dimension of retaining wall from 10" to 8" to match section view
 - REMOVE 6" dimension retaining wall section view
 - REVISE dimension of retain wall footing from 1'-7" to 5'-5" to match sketch
 - REMOVE concrete leveling pad and associated dimensions and callouts from chemical tank detail
 - b. Detail B -
 - ADD note indication to contractor to anchor the chemical tank to the retaining wall, anchor per manufacturer
9. ADD Sheet M151 Chemical Alcove Sketch
 - Section cut sketch showing grading and footing depths (N.T.S.)
 - Plan view sketch showing grade changes around chemical alcove (N.T.S.)

GENERAL COMMENTS:

1. **The Pre-Qualification of Historic Masonry Restoration Specialist AND Historic Masonry Abrasive Cleaning Specialist required. Any bids received that do not include a Pre-Qualified Historic Masonry Restoration Specialist AND a Pre-Qualified Historic Masonry Abrasive Cleaning Specialist shall be rejected.**
2. **A General Contractor may bid on this Project only by contracting with a Pre-Qualified Historic Masonry Restoration Specialist AND a Pre-Qualified Historic Masonry Abrasive Cleaning Specialist. A Pre-Qualified Historic Masonry Restoration Specialist and a Pre-Qualified Historic Masonry Abrasive Cleaning Specialist may bid the job as a General Contractor if able to provide the other required services.**
3. **All companies who are planning on bidding as a General Contractor:**

In order to be awarded a contract, any bidder that operates as a legal entity in the State of Missouri must be appropriately registered with the Missouri Secretary of State's office, and such registration must be active and in good standing. If the successful bidder is doing business in the State of Missouri under a fictitious name, the bidder must have a current Registration of Fictitious Name. If the bidder is an entity formed in another State, the bidder must have a Certificate of Authority to do business in Missouri. The Owner will typically ascertain the bidder's standing with the Missouri Secretary of State from the information available on the Secretary of State's website. However, the Owner may, at its discretion, request proof of compliance with this paragraph from the selected bidder prior to award of a contract. The bidder shall provide a certified copy of its Certificate of Good Standing, Certificate of Authority and/or Registration of Fictitious name to the Owner upon request. If the bidder fails to provide such information upon request, the Owner shall not award a contract to the Respondent, and the Owner will not be under any further obligation to the Respondent.
4. The Pre-Qualification/Pre-Bid Meeting was held on May 6, 2025, followed by a walk-trough of the jobsite.

5. Please contact Paul Girouard, Contract Specialist, at (573) 751-4797, Paul.Girouard@oa.mo.gov for questions about bidding procedures, MBE/WBE/SDVE Goals, and other submittal requirements.
6. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
7. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
8. Current Planholders list is available online at: <https://www.oafmdcplanroom.com/projects/2882/plan-holders/o2204-01-south-fountains-restoration-missouri-state-capitol-building>
9. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia, MO 65203, (573) 446-7768 to get plans and specifications.
- 10. All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for each alternate. Failure to do so will result in rejection of the bid.**
- 11. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 0%/0%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:

1. Section 004113 – BID FORM
2. Section 004322 - UNIT PRICES FORM
3. Section 012200 – UNIT PRICES
4. Sheet L001 – OVERALL LANDSCAPE PLAN
5. Sheet L002 – FOUNTAIN LANDSCAPE ENLARGEMENTS
6. Sheet A151 – SOUTH FOUNTAINS ENLARGED PLANS
7. Sheet A200 – SOUTH FOUNTAINS – WEST FOUNTAIN (ARTS) – FOUNTAIN ELEVATIONS
8. Sheet M101 – FOUNTAIN SITE PIPING PLAN
9. Sheet M102 – FOUNTAIN SITE DRAINAGE PLAN
10. Sheet M150 – FOUNTAIN EQUIPMENT ROOM PLAN
11. Sheet M151 – CHEMICAL ALCOVE SKETCH

JUNE 3, 2025

END ADDENDUM NO. 3

All bid documents shall be emailed to FMDCBids@oa.mo.gov

SECTION 004113 - BID FORM

REVISED PER ADDENDUM #3

1.0 BID

A. From: _____
(Bidder's Company Name)

☐ Sole Proprietorship/General Partnership ☐ LLC ☐ Limited Partnership ☐ Corporation ☐ Joint Venture

Address: _____

City, State, Zip _____

Phone: _____ Email: : _____

Federal ID Number: _____ Missouri Business Charter Number: _____

Contact Name: _____ Contact email: _____

herein after called the "**Bidder**".

B. To: Director, Division of Facilities Management, Design and Construction
Room 730, Harry S Truman State Office Building
301 West High Street
Jefferson City, Missouri 65101

herein after called the "**Owner**."

C. For: South Fountains Restoration
Missouri State Capitol Building
Jefferson City, Missouri

D. Project Number: O2204-01
hereinafter called the "**Work**."

E. Documents: The undersigned, having examined and being familiar with the local conditions affecting the work and with the complete set of contract documents, including the Drawings, the Invitation For Bid, Instructions To Bidders, Statement of Bidders Qualifications, General Conditions, Supplement to General Conditions, and the technical specifications, including: addenda number _____ through _____ hereby proposes to perform the Work for the following:

F. Bid Amount: _____
_____ Dollars (\$ _____)

H. Alternates: Alternate No. 1: Replace below-grade fountain piping located in the south lawn of the Capitol Building grounds. See Drawing Sheets M101 – Fountain Site Piping Plan and Drawing Sheet M102 – Fountain Site Drainage Plan.

_____ Dollars (\$ _____)

2.0 MBE/WBE/SDVE PERCENTAGE OF PARTICIPATION PROJECT GOALS

- A. This project's specific goals are: **MBE 0%, WBE 0%, and SDVE 3%**. NOTE: Only MBE/WBE firms certified by the State of Missouri Office of Equal Opportunity, and SDVE(s) meeting the requirements of Section 34.074, RSMo, and 1 CSR 30-5.010, as of the date of bid opening can be used to satisfy the MBE/WBE/SDVE participation goals for this project.

3.0 BID BOND

- A. Accompanying the bid is: ___ 5% Bid Bond or ___ Cashier's Check/Bank Draft for 5% of base bid that is payable without condition to the Division of Facilities Management, Design and Construction, State of Missouri, as per Article 5 of "Instructions To Bidders".

4.0 CONTRACT COMPLETION TIME AND LIQUIDATED DAMAGES

- A. The Bidder agrees to complete the work by **April 3, 2026**. This includes ten (10) working days for document mailing and processing. The Bidder further agrees to pay to, or allow the State as **liquidated damages**, the sum of **\$1,000** for each working day thereafter that the entire work is not substantially complete.

5.0 ATTACHMENTS TO BID

004322	Unit Prices Form
004336	Proposed Subcontractors
004337	MBE/WBE/SDVE Compliance Form
004338	MBE/WBE/SDVE Joint Venture Form
004339	MBE/WBE/SDVE Waiver Form
004340	SDVE Business Form
004541	Affidavit of Work Authorization
004545	Anti-Discrimination Against Israel Act Certification form

6.0 BIDDER'S CERTIFICATIONS

By signing and submitting this bid form, the Bidder certifies as follows:

A. No Undisclosed Interests or Associations, Collusion, or Solicitation of Other Bidders

1. This bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation, and is not submitted in conformity with any agreement or rules of any group, association or corporation.
2. The Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal.
3. The Bidder has not solicited or induced any person, firm or corporation to refrain from submitting a bid.
4. The Bidder has not sought by collusion or otherwise to obtain any advantage over any other bidder or over the Owner.

B. Accuracy of Contract Documents

The Bidder has based this bid upon an official/complete set of contract documents, either obtained from the Owner or from a secondary source known to the Bidder to have provided a complete and accurate set of contract documents. If the Bidder received the contract documents from such a secondary source, any errors or omissions in the contract documents shall be interpreted and construed in favor of the Owner and against the Bidder. This bid is based upon the conditions within Article 1.2 of the General Conditions.

C. Non-Discrimination

The Bidder will not discriminate against any employee or applicant for employment because of race, creed, color or national origin in the performance of the Work.

D. Prevailing Wage

MISSOURI PREVAILING WAGE LAW (Sections 290.210 to 290.340, RSMo): The Contractor shall pay not less than the specified hourly rate of wages, as set out in the wage order attached to and made part of the specifications for work under this contract, to all workers performing work under the contract, in accordance with sections 290.210 to 290.340, RSMo. The Contractor shall forfeit a penalty to the Owner of one hundred dollars per day (or portion of a day) for each worker that is paid less than the specified rates for any work done under the contract by the Contractor or by any subcontractor, in accordance with section 290.250, RSMo.

DAVIS-BACON ACT: If this Project is financed in whole or in part from Federal funds (as indicated in the Instructions to Bidders or other bid or contract documents for this Project), then this contract shall be subject to all applicable federal labor statutes, rules and regulations, including provisions of the Davis-Bacon Act, 40 U.S.C. §3141 et seq., and the “Federal Labor Standards Provisions,” as further set forth in Section 007333 – Supplementary General Conditions for Federally Funded/Assisted Construction Projects, which is incorporated into the contract by reference. Where the Missouri Prevailing Wage Law and the Davis-Bacon Act require payment of different wages for work performed under this contract, the Contractor and all Subcontractors shall pay the greater of the wages required under either law, on a classification-by-classification basis.

E. Transient Employers

The Bidder will comply with the provisions of Sections 285.230-234, RSMo, regarding transient employers.

F. Federal Work Authorization Program

The Bidder has enrolled and is participating in, and will continue to participate in, a federal work authorization program in accordance with Sections 285.525 and 285.530, RSMo for the duration of any contract awarded because of this bid.

G. Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA)

1. If awarded contract for this project, the Bidder/Contractor shall only utilize personnel authorized to work in the United States in accordance with applicable federal, state and local laws. This includes, but is not limited to, the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) and INA Section 274A.
2. If found to be in violation of this requirement or any applicable laws, and if the State of Missouri has reasonable cause to believe that the Contractor has knowingly employed individuals who are not eligible to work in the United States, the state shall have the right to cancel the contract immediately without penalty or recourse and suspend or debar the contractor from doing business with the state.
3. The Contractor agrees to cooperate fully with any audit or investigation from federal, state or local law enforcement agencies.

H. Anti-Discrimination Against Israel Act

1. If the awarded Contractor meets the definition of a company as defined in section 34.600, RSMo, and has ten or more employees, the Contractor shall not engage in a boycott of goods or services from the State of Israel; from companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or from persons or entities doing business in the State of Israel as defined in section 34.600, RSMo.
2. If, at any time during the life of the contract, Contractor meets the definition of a company as defined in section 34.600, RSMo, and the company’s employees increases to ten or more OR the contractor’s business status changes to become a company as defined in section 34.600, RSMo, and the company has ten or more employees, then the Contractor shall submit to the Division of Facilities Management, Design and Construction a completed Box C of the exhibit titled “Anti-Discrimination Against Israel Act Certification, and shall comply with the requirements of Box C.

7.0 SIGNATURES

FOR SOLE PROPRIETORSHIPS/GENERAL PARTNERSHIPS ONLY

Sole Proprietor's Name (printed)

Name each general partner:

Today's Date: _____

I, _____, being the sole proprietor/general partner of (name of business) _____
(and if the name of said business is other than my legal name, having filed a
Registration of Fictitious Name with the Missouri Secretary of State in order to allow me to use such name in
connection with my business, as provided by Section 417.200, RSMo, et seq.), do hereby submit this bid and agree to be
bound unto the State of Missouri as herein provided (if a general partnership, all partners must sign below).

Signature: _____

Signature: _____

Signature: _____

Signature: _____

FOR LIMITED LIABILITY COMPANIES ONLY

Manager's (or Managing Member's) Name (printed)

today's date _____ State(s) of organization: _____

I, _____, being the Manager (or Managing Member) of (full legal name of limited
liability company from Articles of Organization) _____, and being duly
authorized to act as herein provided on behalf of said limited liability company, do hereby submit this bid on behalf of
said limited liability company and agree that said limited liability company shall be bound unto the State of Missouri as
herein provided.

Signature: _____

FOR LIMITED PARTNERSHIPS/LIMITED LIABILITY PARTNERSHIPS/LIMITED LIABILITY LIMITED PARTNERSHIPS ONLY

General/Managing Partner's Name (printed)

today's date _____ State(s) of organization: _____

I, _____, being the General Partner/Managing Partner of (full legal name of limited
partnership/limited liability partnership/limited liability limited partnership from partnership agreement or Certificate of
Limited Partnership) _____, and being duly authorized to act as herein provided on
behalf of said limited partnership/limited liability partnership/limited liability limited partnership, do hereby submit this
bid on behalf of said limited partnership/limited liability partnership/limited liability limited partnership and agree that
said limited partnership/limited liability partnership/limited liability limited partnership shall be bound unto the State of
Missouri as herein provided.

Signature: _____

FOR CORPORATIONS ONLY_____
President's Name (printed)_____
Secretary's Name (printed)_____
Today's date

State(s) of incorporation: _____

I, _____, being the (officer or title) _____ of (full legal name of corporation, from Articles of Incorporation) _____, and being duly authorized by the Board of Directors of said corporation to act as herein provided on behalf of said corporation, do hereby submit this bid on behalf of said corporation and agree that said corporation shall be bound unto the State of Missouri as herein provided.

Signature: _____
PresidentAttested by: _____
Corporate Secretary

The President should sign as the bidder. If the signator is other than the corporate president, the bidder must provide satisfactory evidence that the signator has the legal authority to bind the corporation.

FOR ASSOCIATIONS/JOINT VENTURES

If multiple business entities/individuals are bidding collectively as an association or joint venture, each business entity/individual bidding as part of the association or joint venture shall sign this bid in the above sections relevant to the form that such business entity or individual does business, and the bidder shall duplicate the necessary number of signature pages so that all members of the association or joint venture shall sign this bid. If a name is adopted for use by the association or joint venture, the association or joint venture shall file a Registration of Fictitious Name with the Missouri Secretary of State in order to use such name in connection with the association or joint venture, as provided by Section 417.200, RSMo, *et seq.*

SECTION 004322 - UNIT PRICES FORM

PROJECT NUMBER: O2204-01

1.0 Description

- A. For changing specified quantities of work from those indicated by the contract drawings and specifications, upon written instructions of Owner, the following unit prices shall prevail. The unit prices include all labor, overhead and profit, materials, equipment, appliances, bailing, shoring, shoring removal, etc., to cover the finished work of the several kinds of work called for. Only a single unit price shall be given and it shall apply for either MORE or LESS work than that shown on the drawings and called for in the specifications or included in the Base Bid. In the event of more or less units than so indicated or included during construction the total contract price shall be decreased as appropriate or increased by contract change in accordance with General Conditions Article 4.1.

2.0 Unit Prices

A. Unit Price No. 1 – Dutchman Repair at Limestone Basin

1. Description: Limestone Dutchman repairs according to Division 04 SECTION 040120 - MASONRY REHABILITATION for unforeseen areas of deterioration.
2. Unit of Measurement: Square Foot (based on 4" depth equivalent)
3. Base Bid Quantity: 50 SF

\$ _____ per square foot

B. Unit Price No. 2 - Dutchman Repair at Sculpture Limestone

1. Description: Fountain Sculpture Limestone Dutchman repairs according to Division 04 SECTION 040120 - MASONRY REHABILITATION for unforeseen areas of deterioration.
2. Unit of Measurement: Square Foot (based on 5" depth equivalent)
3. Base Bid Quantity: 6 SF

\$ _____ per square foot

C. Unit Price No. 3 - Concrete Repair at Fountain Foundation

1. Description: Fountain foundation concrete repairs according to Division 03 SECTION 033005 - CAST-IN-PLACE CONCRETE for unforeseen areas of deterioration.
2. Unit of Measurement: Square Foot
3. Base Bid Quantity: 240 SF

\$ _____ per square foot

SECTION 012200 – UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions and other Division 1 Specification Sections apply to this Section.
- B. Quantities of Units to be included in the Base Bid are indicated in Section 004322 – Unit Prices.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for Unit Prices.
- B. Related Sections include the following:
 - 1. Division 1 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.3 DEFINITIONS

- A. Unit Price is an amount proposed by bidders, stated on the Bid Form Attachment 004322 a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit Prices include all necessary material plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of Unit Prices. Methods of measurement and payment for Unit Prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of Work in-place that involves use of established Unit Prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A list of Unit Prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each Unit Price.

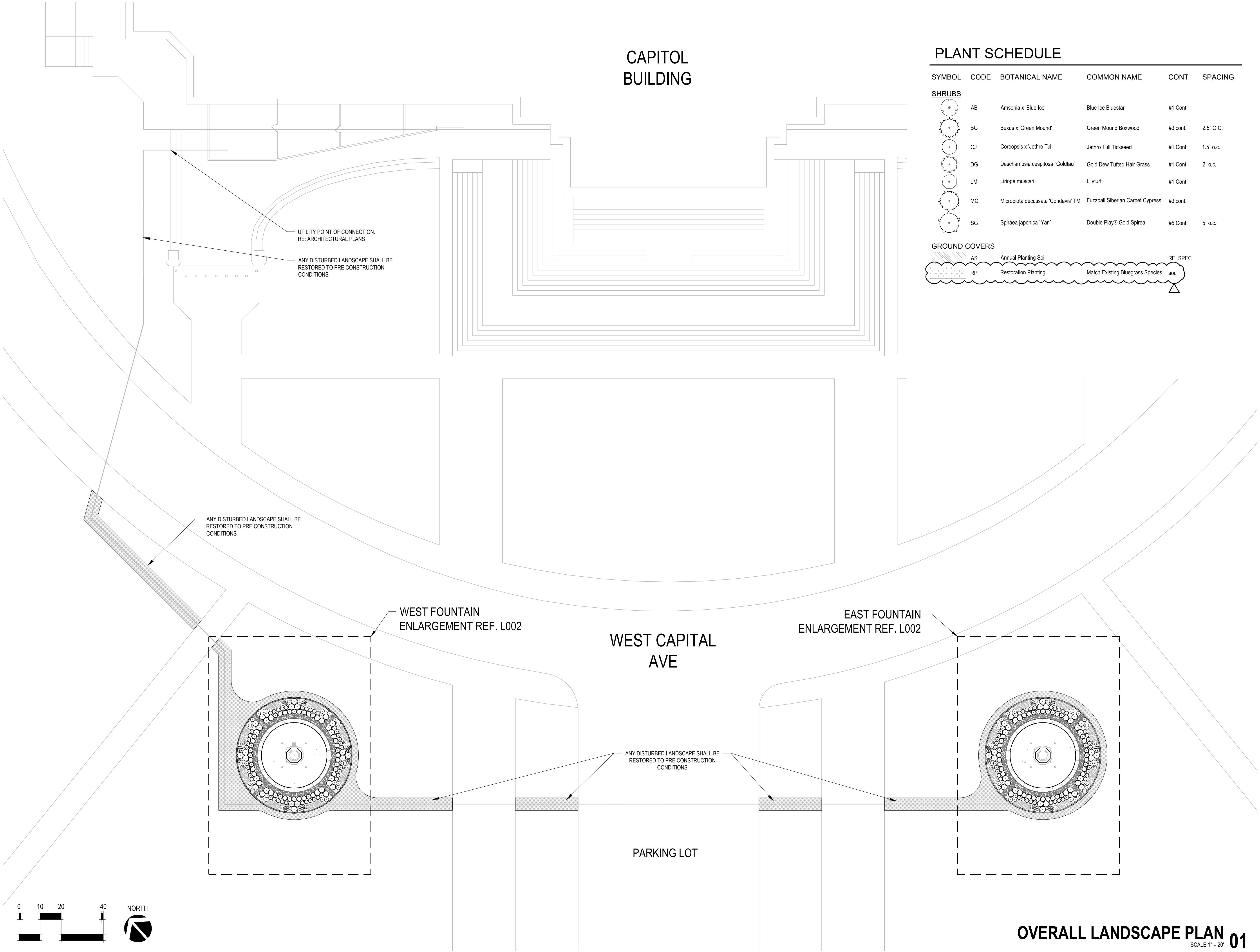
PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

- A. Unit Price No. 1- Dutchman Repair at Limestone Basin
 - 1. Description: Limestone Dutchman repairs according to Division 04 SECTION 040120 - MASONRY REHABILITATION for unforeseen areas of deterioration.
 - 2. Unit of Measurement: Square Foot (based on 4" depth equivalent)
 - 3. Base Bid Quantity: 50 SF.
- B. Unit Price No. 2- Dutchman Repair at Sculpture Limestone
 - 1. Description: Fountain Sculpture Limestone Dutchman repairs according to Division 04 SECTION 040120 - MASONRY REHABILITATION for unforeseen areas of deterioration.
 - 2. Unit of Measurement: Square Foot (based on 5" depth equivalent)
 - 3. Base Bid Quantity: 6 SF.
- C. Unit Price No. 3- Concrete Repair at Fountain Foundation
 - 1. Description: Fountain foundation concrete repairs according to Division 03 SECTION 033005 - CAST-IN-PLACE CONCRETE for unforeseen areas of deterioration.
 - 2. Unit of Measurement: Square Foot
 - 3. Base Bid Quantity: 240 SF.

END OF SECTION 012200



CAPITOL
BUILDING

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING
SHRUBS					
	AB	Amsonia x 'Blue Ice'	Blue Ice Bluestar	#1 Cont.	
	BG	Buxus x 'Green Mound'	Green Mound Boxwood	#3 cont.	2.5' O.C.
	CJ	Coreopsis x 'Jethro Tull'	Jethro Tull Tickseed	#1 Cont.	1.5' o.c.
	DG	Deschampsia cespitosa 'Goldtau'	Gold Dew Tufted Hair Grass	#1 Cont.	2' o.c.
	LM	Liriope muscari	Lilyturf	#1 Cont.	
	MC	Microbiota decussata 'Condavis' TM	Fuzzball Siberian Carpet Cypress	#3 cont.	
	SG	Spiraea japonica 'Yan'	Double Play® Gold Spirea	#5 Cont.	5' o.c.
GROUND COVERS					
	AS	Annual Planting Soil			RE: SPEC
	RP	Restoration Planting	Match Existing Bluegrass Species	sod	

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



11205 W. 79th St.
Lenexa, KS 66214

t. 913.438.4338
www.WeDesignPools.com

Missouri State Certificate of Authority: #48-1231104



Missouri State Certificate of Authority: #2009024884



LAC# MO-2002023826
414 Oak Street, Ste. 101
Kansas City, Missouri 64106
P 816-756-5690

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

PROJECT TITLE
SOUTH FOUNTAINS
RESTORATION

MISSOURI STATE CAPITOL

JEFFERSON CITY, MISSOURI

PROJECT # O2204-01
ASSET #
3101001040 CAPITOL BUILDING
3101001028 FTN. OF THE ARTS
3101001029 FTN. OF SCIENCES

REVISION: 1- ADDENDUM 3
DATE: 5/29/25
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 05/06/2024

CAD DWG FILE:
DRAWN BY: MH/AS
CHECKED BY: CR
DESIGNED BY: MH/AS

SHEET TITLE:
OVERALL
LANDSCAPE PLAN

SHEET NUMBER:

L001

3 OF 25 SHEETS
CONSTRUCTION DOCUMENTS
MAY 6, 2024

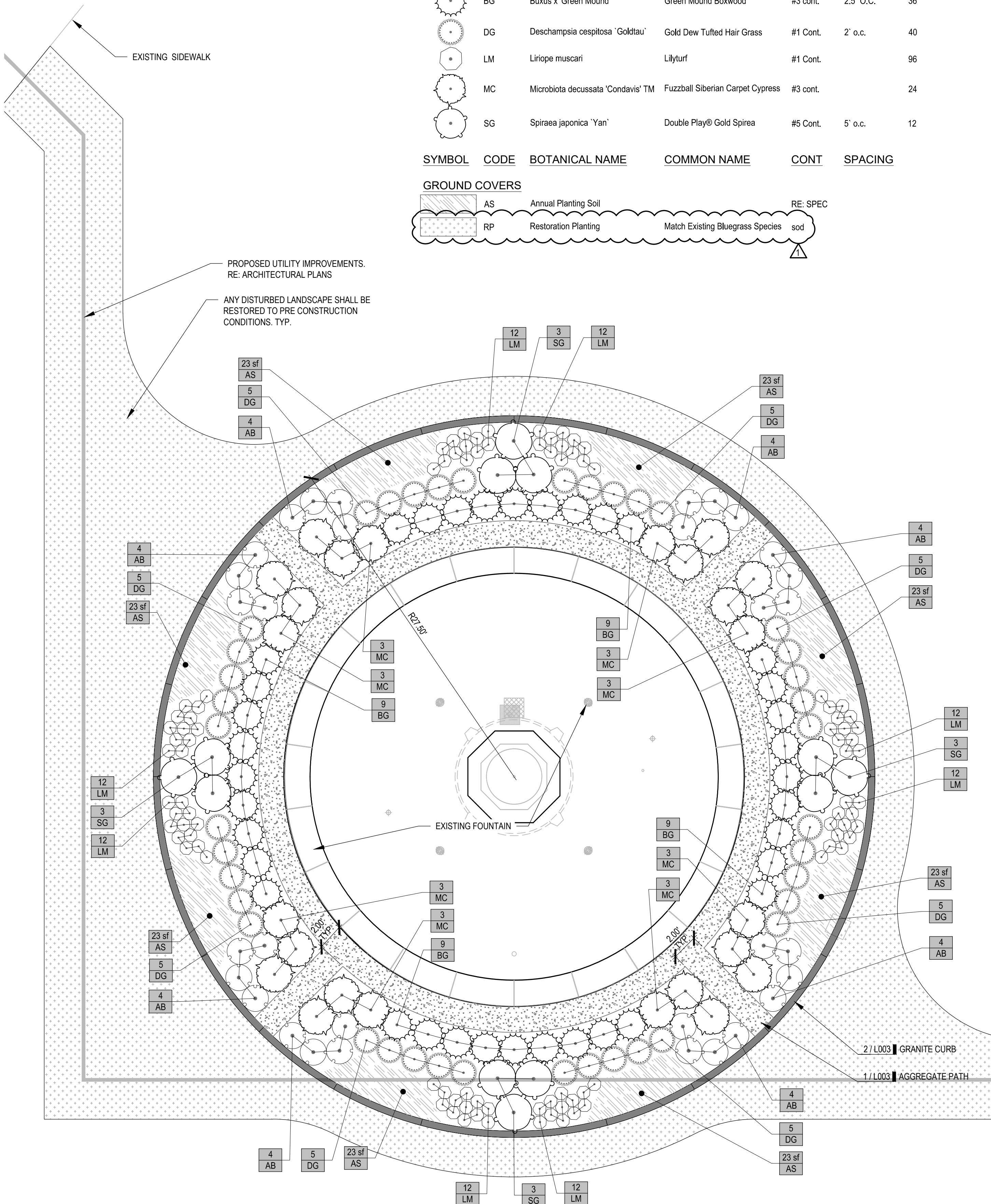
OVERALL LANDSCAPE PLAN 01
SCALE 1" = 20'

PLANT SCHEDULE WEST FOUNTAIN

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
SHRUBS						
	AB	Amsonia x 'Blue Ice'	Blue Ice Bluestar	#1 Cont.		32
	BG	Buxus x 'Green Mound'	Green Mound Boxwood	#3 cont.	2.5' O.C.	36
	DG	Deschampsia cespitosa 'Goldtau'	Gold Dew Tufted Hair Grass	#1 Cont.	2' o.c.	40
	LM	Liriope muscari	Lilyturf	#1 Cont.		96
	MC	Microbiota decussata 'Condavis' TM	Fuzzball Siberian Carpet Cypress	#3 cont.		24
	SG	Spiraea japonica 'Yan'	Double Play® Gold Spiraea	#5 Cont.	5' o.c.	12

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING
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GROUND COVERS					
	AS	Annual Planting Soil		RE: SPEC	
	RP	Restoration Planting	Match Existing Bluegrass Species	sod	



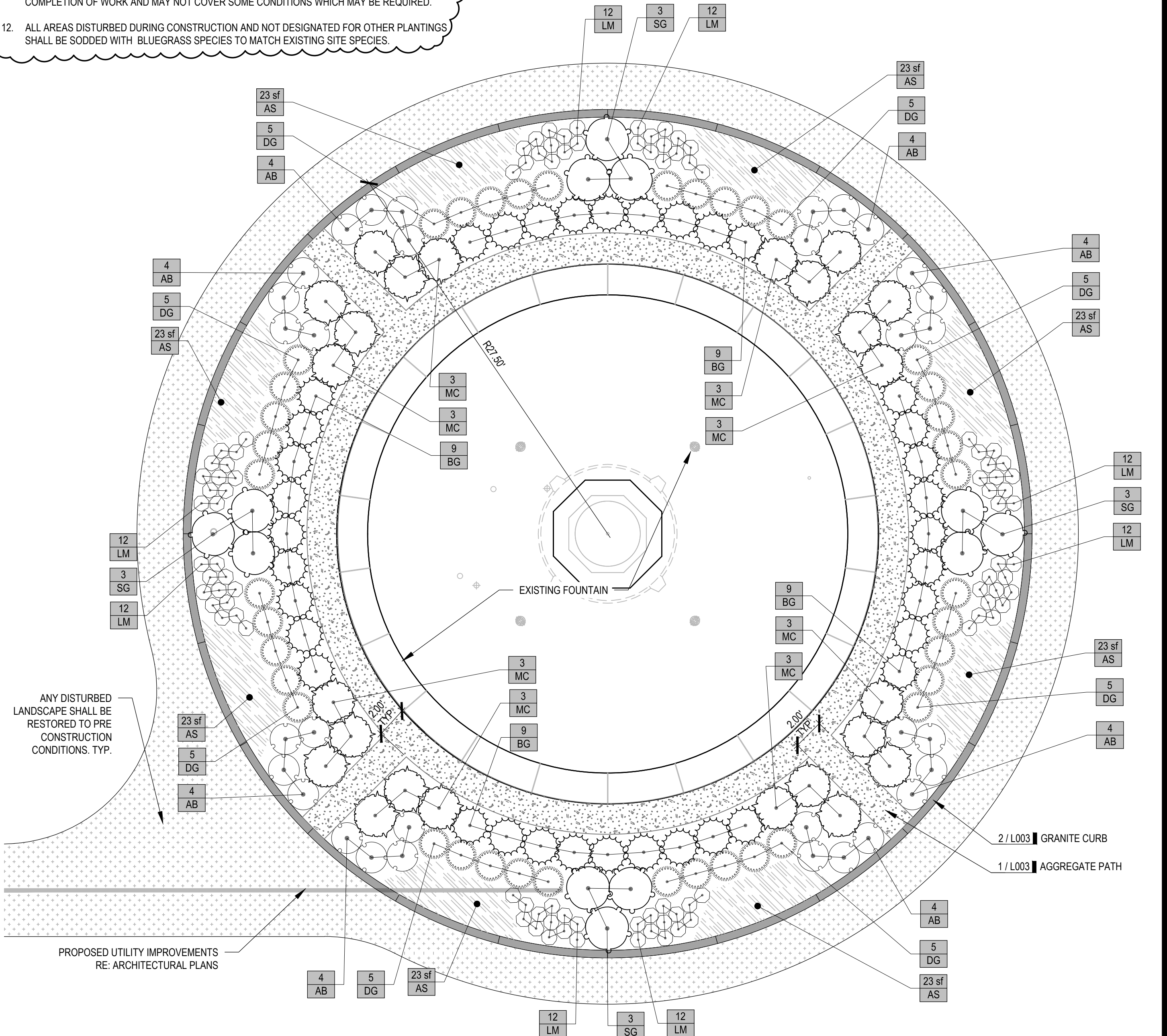
WEST FOUNTAIN LANDSCAPE ENLARGEMENT 01
SCALE 1" = 5'

PLANT SCHEDULE EAST FOUNTAIN AREA

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
SHRUBS						
	AB	Amsonia x 'Blue Ice'	Blue Ice Bluestar	#1 Cont.		32
	BG	Buxus x 'Green Mound'	Green Mound Boxwood	#3 cont.	2.5' O.C.	36
	DG	Deschampsia cespitosa 'Goldtau'	Gold Dew Tufted Hair Grass	#1 Cont.	2' o.c.	40
	LM	Liriope muscari	Lilyturf	#1 Cont.		96
	MC	Microbiota decussata 'Condavis' TM	Fuzzball Siberian Carpet Cypress	#3 cont.		24
	SG	Spiraea japonica 'Yan'	Double Play® Gold Spiraea	#5 Cont.	5' o.c.	12

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING
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GROUND COVERS					
	AS	Annual Planting Soil		RE: SPEC	
	RP	Restoration Planting	Match Existing Bluegrass Species	sod	



EAST FOUNTAIN LANDSCAPE ENLARGEMENT 02
SCALE 1" = 5'

- LAYOUT & GRADING NOTES
1. TOP OF GRANITE CURB SHALL BE ±18" BELOW TOP OF FOUNTAIN BASIN WALL. PLACEMENT SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT. PLANT BED SHALL HAVE POSITIVE DRAINAGE AWAY FROM FOUNTAIN. REPORT ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS TO OWNER'S REPRESENTATIVE IMMEDIATELY.
 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL ON-SITE AND DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL SYSTEMS AND PROCEDURES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS.
 3. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL HAVE ALL UTILITIES FLAGGED IN THE FIELD FOR INSPECTION PRIOR TO PROCEEDING WITH ANY GRADING OPERATIONS. THE CONTRACTOR SHALL VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES AND WILL BE HELD LIABLE FOR ANY DELAYS CAUSED BY DAMAGE TO UTILITIES OR FAILURE TO LOCATE UTILITIES.
 4. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR AT A LOCATION PROVIDED BY THE CONTRACTOR AND IN ACCORDANCE WITH LOCAL REGULATIONS. THE CONTRACTOR SHALL SATISFY HIMSELF BY JOB-SITE INSPECTION AS TO THE EXTENT OF CLEARING REQUIRED PRIOR TO ENTERING INTO A CONSTRUCTION CONTRACT.
 5. ALL CONSTRUCTION LAYOUT STAKING IS TO BE PERFORMED BY A LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI. TO FACILITATE ACCURACY OF CONSTRUCTION STAKING, UPON WRITTEN REQUEST FROM CONTRACTOR, ELECTRONIC DATA COMPRISING THESE SITE DEVELOPMENT DRAWINGS WILL BE FORWARDED TO THE LAND SURVEYOR OR PROFESSIONAL ENGINEER EMPLOYED TO PERFORM THE CONSTRUCTION STAKING.
 6. IN ORDER TO MAINTAIN THE INTEGRITY OF HORIZONTAL AND VERTICAL CONTROL FOR THE SITE, THE SURVEYOR OR PROFESSIONAL ENGINEER EMPLOYED BY THE CONTRACTOR TO PERFORM CONSTRUCTION LAYOUT STAKING SHALL SET AND PROTECT ADDITIONAL TRAVERSE POINTS OUTSIDE THE AREAS OF CONSTRUCTION ACTIVITY.
 7. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FOLLOWING: EDGE OF PAVEMENT AND EDGE OF CURB.
 8. ALL EDGES OF PAVEMENTS ARE TO BE STRAIGHT (OR OF CONSISTENT RADIUS IN THE CASE OF CURVES) AS SHOWN HEREON. NO UNSPECIFIED TANGENTS OR KINKS WILL BE APPROVED.
 9. ALL AREAS SHALL BE BROUGHT TO FINAL PLAN CONDITION (PAVED, SODED, OR MULCHED) AS SOON AS POSSIBLE TO MAINTAIN FINISH GRADE CONDITIONS AND PREVENT SOIL LOSS.
 10. ALL EXISTING UTILITIES AND UTILITY POLES TO REMAIN UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL.
 11. DRAWINGS AND SPECIFICATIONS DO NOT INDICATE OR DESCRIBE TOTAL WORK REQUIRED FOR COMPLETION OF WORK AND MAY NOT COVER SOME CONDITIONS WHICH MAY BE REQUIRED.
 12. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED FOR OTHER PLANTINGS SHALL BE SODED WITH BLUEGRASS SPECIES TO MATCH EXISTING SITE SPECIES.

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OFFICE OF
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DESIGN AND
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PROJECT TITLE
SOUTH FOUNTAINS
RESTORATION

MISSOURI STATE CAPITOL

JEFFERSON CITY, MISSOURI

PROJECT # 02204-01
ASSET #
3101001040 CAPITOL BUILDING
3101001028 FTN. OF THE ARTS
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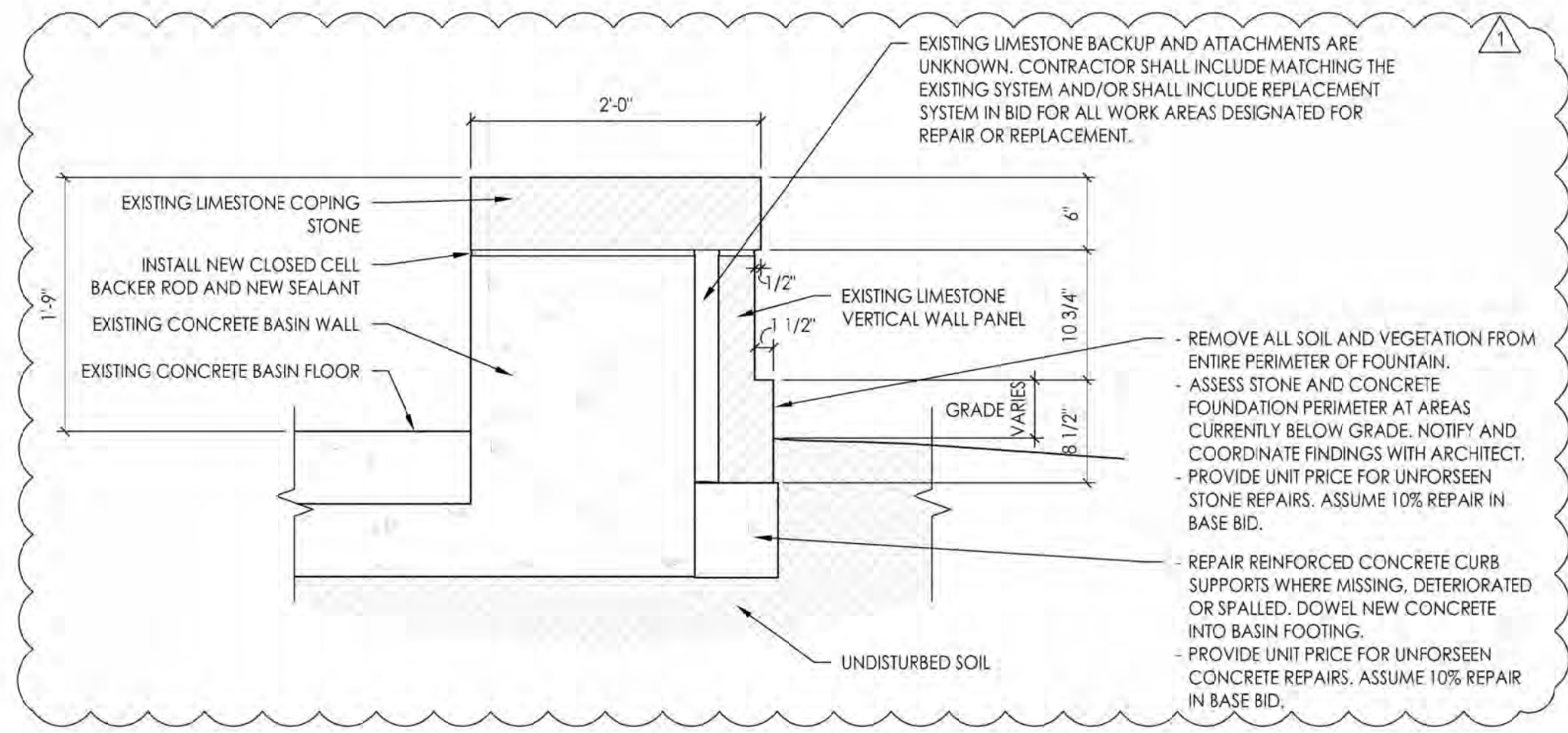
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ISSUE DATE: 05/06/2024

CAD DWG FILE:
DRAWN BY: MH/AS
CHECKED BY: CR
DESIGNED BY: MH/AS

SHEET TITLE:
FOUNTAIN
LANDSCAPE
ENLARGEMENTS

SHEET NUMBER:

L002
4 OF 25 SHEETS
CONSTRUCTION DOCUMENTS
MAY 6, 2024



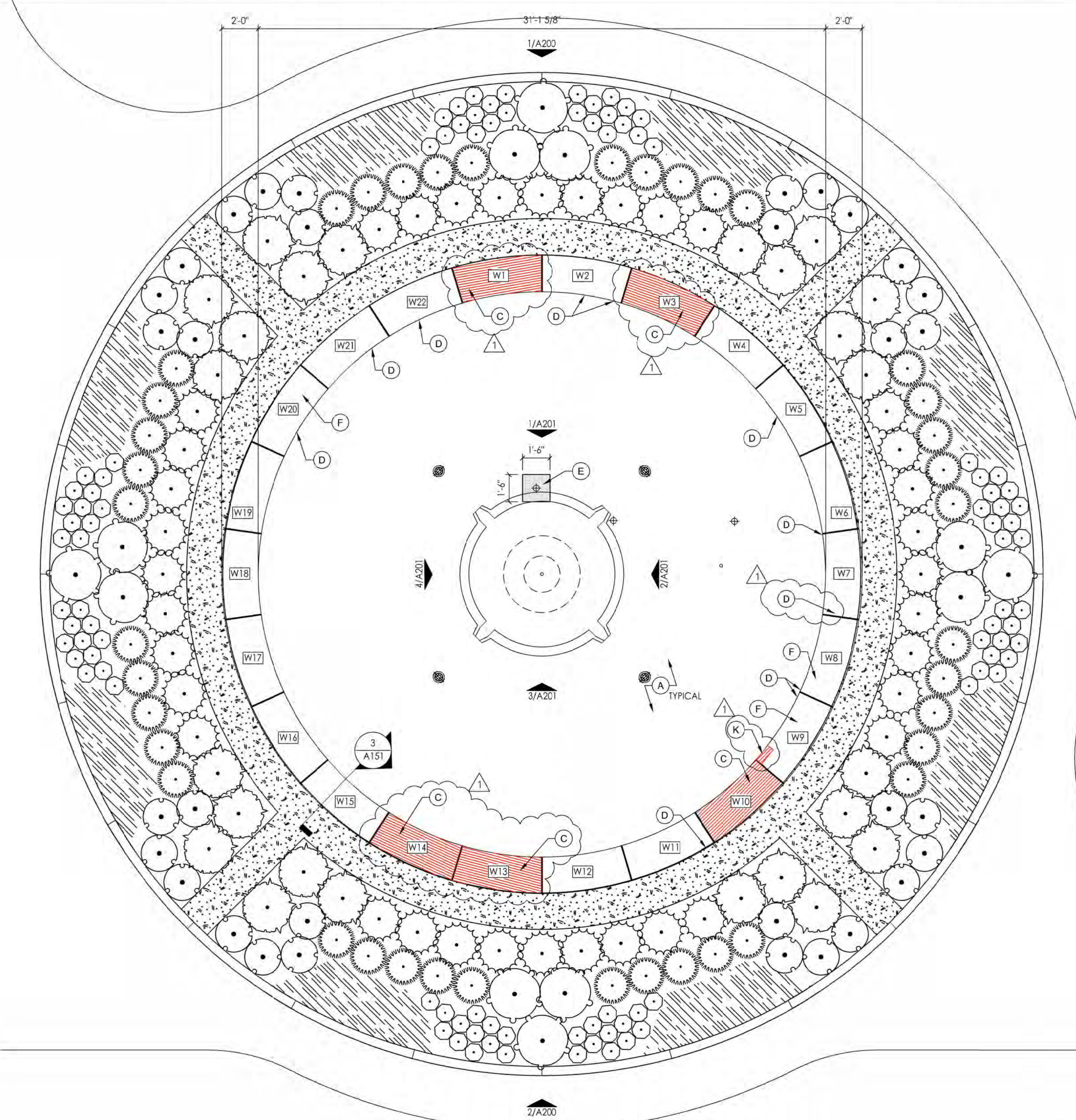
3 SOUTH FOUNTAINS BASIN WALL SECTION
Scale: 1" = 1'-0"

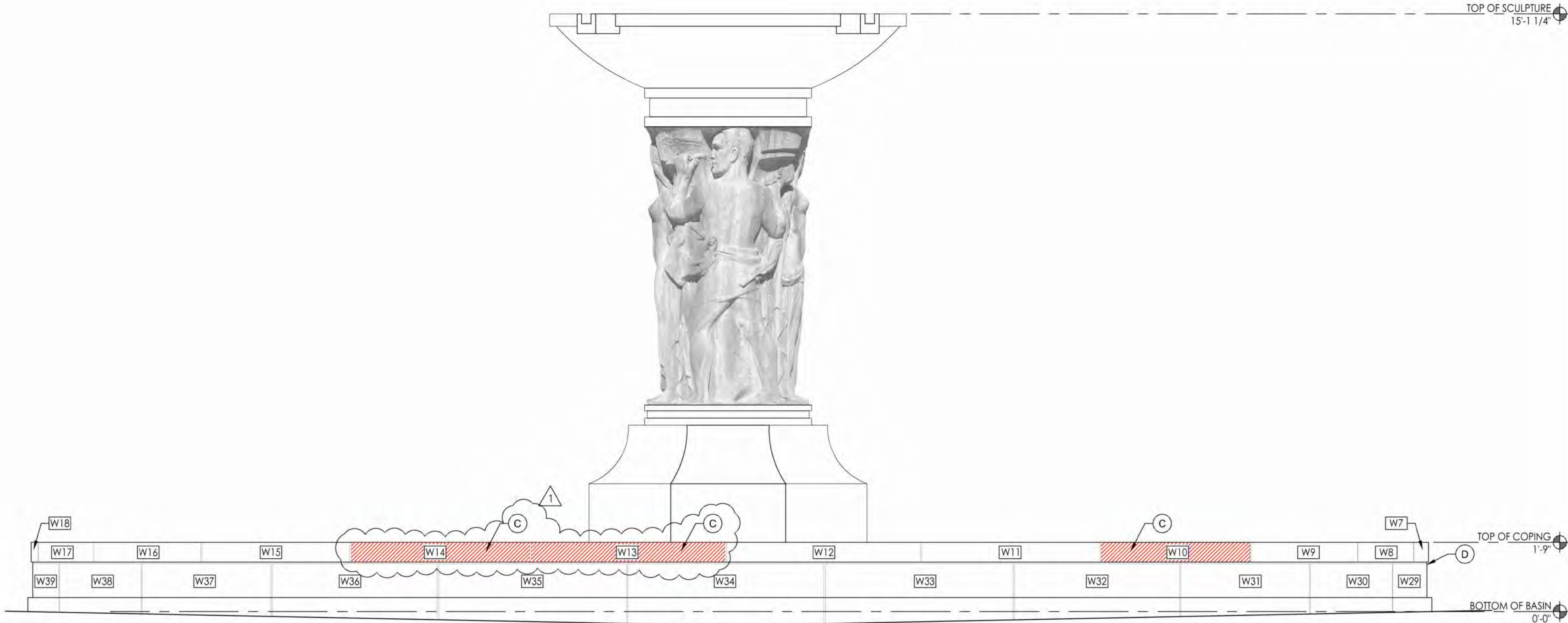
GENERAL NOTES:

- SPEC 013233 - GENERAL CONTRACTOR IS TO PROVIDE THOROUGH PHOTOGRAPHIC DOCUMENTATION OF THE SOUTH FOUNTAINS AND PUMP ROOMS TO ILLUSTRATE EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND DELIVER TO THE OWNER IN DIGITAL FORMAT.
- PROTECT ORIGINAL HISTORIC MATERIALS FROM DAMAGE THROUGHOUT CONSTRUCTION. ANY DAMAGE DUE TO CONSTRUCTION SCOPE OF WORK IS TO BE REPAIRED IN-KIND TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST.
- SPEC 079200 - REMOVE 100% OF THE EXISTING SEALANT JOINTS AT THE CENTER SCULPTURES. INSTALL NEW SEALANT AND CLOSED CELL BACKER RODS.
- SPEC 040120 - REPOINT 100% OF THE MORTAR JOINTS OR INSTALL NEW SEALANTS, PER THE DETAILS AT THE BASIN WALLS (COPING STONES AND VERTICAL WALL PANELS).
- SPEC 040110 - CLEAN 100% OF ALL LIMESTONE COMPONENTS OF THE BASIN WALLS (CAPSTONES AND PANELS).
- SPEC 040110, 041111 - CLEAN 100% OF ALL COMPONENTS OF THE CENTER SCULPTURE, INCLUDING THE GRANITE BASE, THE LIMESTONE SCULPTURE, AND THE TOP GRANITE BOWL. CLEANING INCLUDES SEVERAL METHODOLOGIES INCLUDING SCRUBBING WITH DETERGENT, LIGHT CHEMICAL CLEANING, AND MEDIA BLASTING.
- SPEC 041111, 071613 - CONCRETE BASIN - MEDIA BLAST BASIN TO REMOVE 2-PART EPOXY COATING AND PREPARE THE BASIN SURFACES FOR INSTALLATION OF NEW COATING (FLOOR, INTERIOR WALLS, AND BASE OF CENTER SCULPTURE).
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- STONE UNITS INDICATED FOR REPLACEMENT SHALL BE SALVAGED AND REUSED IN STONE REPAIR WORK WHERE REMAINDER OF SLAB IS IN GOOD CONDITION AND CAN BE SET USING SAME BEDDING PLANE CONFIGURATION.

SOUTH FOUNTAINS KEYNOTES:

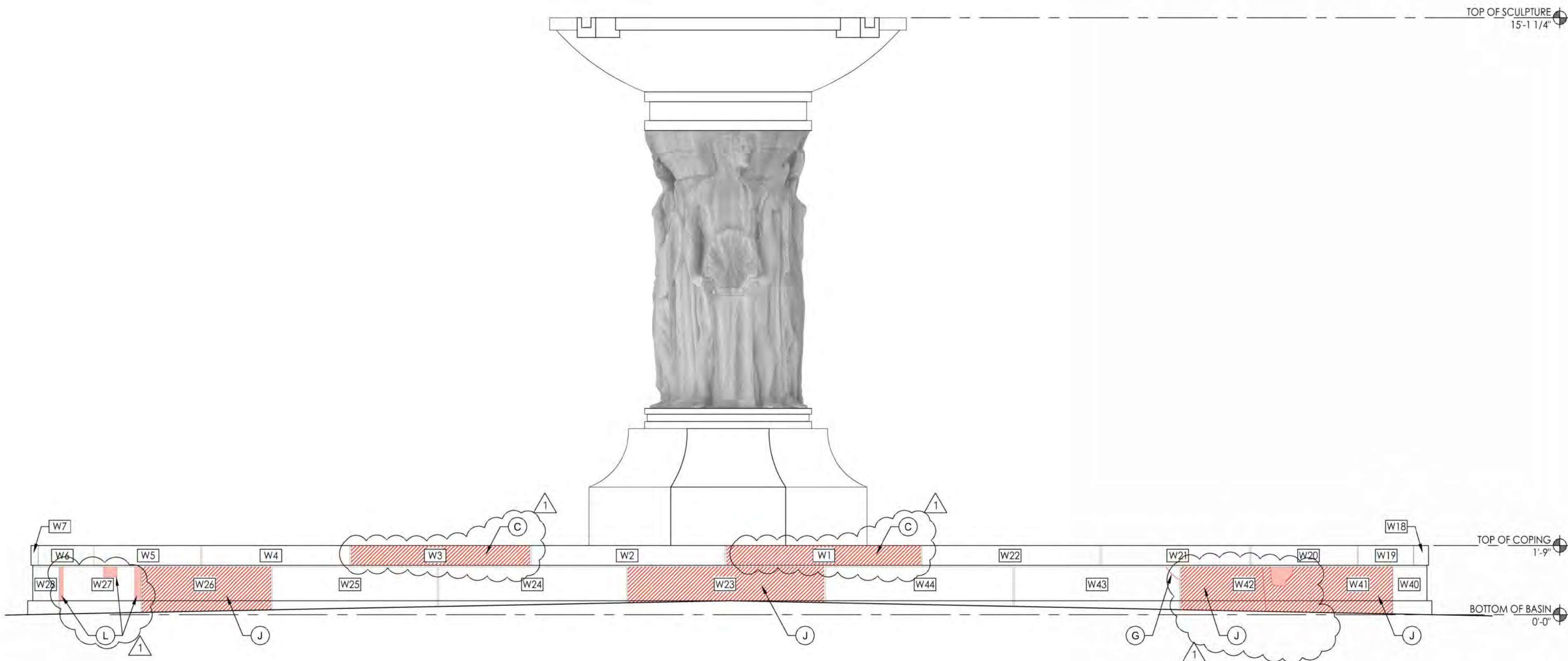
- A SPEC 041111, 071613 - REMOVE EXISTING 2-PART EPOXY COATING FROM THE EXISTING CONCRETE BASIN (FLOOR, INTERIOR WALLS, AND BASE OF SCULPTURE) WITH MEDIA BLASTING, PER SPECIFICATIONS. PREPARE SURFACE FOR NEW COATING, PER NEW COATING MANUFACTURERS RECOMMENDATIONS. REPAIR EXISTING CONCRETE BASIN, AS REQUIRED, AFTER CONCRETE BASIN REPAIRS ARE COMPLETED (SEE NOTE 'B'). APPLY A CEMENTITIOUS WATERPROOF COATING TO THE ENTIRE CONCRETE BASIN.
- B SPEC 041111, 071613 - AFTER EXISTING COATING IS REMOVED, APPLY NEW EPOXY BASED CONCRETE PATCH TO RAISE THE EXISTING LOW AREA OF THE CONCRETE BASIN AND SLOPE THE BASIN FLOOR TOWARD THE DRAIN. FEATHER PATCH OUT TO ADJACENT FLOOR TO CREATE A SEAMLESS APPEARANCE.
- C SPEC 040120 - REMOVE ENTIRE EXISTING DAMAGED AND DETERIORATED LIMESTONE CAP. INSTALL NEW LIMESTONE UNITS, NEW STONE TO EXACTLY MATCH THE EXISTING STONE IN COLOR, SIZE, TEXTURE, AND TOOLING. PROVIDE LIMESTONE SAMPLES FOR APPROVAL.
- D SPEC 040120 - EXISTING LIMESTONE CHIP OR SPALL. REMOVE DAMAGED OR DETERIORATED LIMESTONE DOWN TO SOLID MATERIAL. PATCH WITH COMPATIBLE PATCHING COMPOUND.
- E INSTALL NEW CUSTOM-SIZED FRP GRATING AND REQUIRED SUPPORTS OVER EXISTING SUMP PIT. REFER TO MECHANICAL DRAWINGS.
- F SPEC 040110 - AFTER STONE IS CLEANED, APPLY STONE CONSOLIDANT.
- G SPEC 040120 - INJECT EXISTING CRACK IN LIMESTONE WITH A HYDRAULIC LIME INJECTION, RAKE BACK 3/4", AND INSTALL AND FILL THE JOINTS WITH A COMPATIBLE PATCHING COMPOUND.
- H SPEC 040120 - REMOVE EXISTING INCIPENT LIMESTONE SPALL. REMOVE DAMAGED OR DETERIORATED LIMESTONE DOWN TO SOLID MATERIAL. PATCH LIMESTONE WITH A COMPATIBLE PATCHING COMPOUND.
- I SPEC 040120 - REMOVE EXISTING FAILING PATCH. PATCH LIMESTONE WITH A COMPATIBLE PATCHING COMPOUND.
- J SPEC 040120 - REMOVE EXISTING DAMAGED OR DETERIORATED LIMESTONE VERTICAL PANEL. INSTALL NEW REPLICA LIMESTONE UNIT. NEW STONE PANEL TO MATCH THE EXISTING STONE IN COLOR, SIZE, TEXTURE, AND TOOLING.
- K REMOVE DETD STONE AREA. INSTALL DUTCHMAN REPAIR (APPROX 6'x12') USING ADJACENT HISTORIC SALVAGED STONE CAP.
- L SPEC 040120 - REMOVE (3) DAMAGED FULL DEPTH PORTIONS OF LIMESTONE VERTICAL PANEL. INSTALL FULL-DEPTH LIMESTONE DUTCHMAN PATCH AT EACH LOCATION. USE REMOVED AND SALVAGED PORTION OF HISTORIC STONE FOR PATCHES.





2 SOUTH FOUNTAINS - FOUNTAIN OF THE ARTS (WEST) - SOUTH ELEVATION

Scale: 1/2" = 1'-0"



1 SOUTH FOUNTAINS - FOUNTAIN OF THE ARTS (WEST) - NORTH ELEVATION

Scale: 1/2" = 1'-0"

GENERAL NOTES:

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SOUTH FOUNTAINS KEYNOTES:

- (A) SPEC 041111, 071613 - REMOVE EXISTING 2-PART EPOXY COATING FROM THE EXISTING CONCRETE BASIN (FLOOR, INTERIOR WALLS, AND BASE OF SCULPTURE) WITH MEDIA BLASTING, PER SPECIFICATIONS, PREPARE SURFACE FOR NEW COATING, PER NEW COATING MANUFACTURERS RECOMMENDATIONS, REPAIR EXISTING CONCRETE BASIN, AS REQUIRED. AFTER CONCRETE BASIN REPAIRS ARE COMPLETED (SEE NOTE 'B'), APPLY A CEMENTITIOUS WATERPROOF COATING TO THE ENTIRE CONCRETE BASIN.
- (B) SPEC 041111, 071613 - AFTER EXISTING COATING IS REMOVED, APPLY NEW EPOXY BASED CONCRETE PATCH TO RAISE THE EXISTING LOW AREA OF THE CONCRETE BASIN AND SLOPE THE BASIN FLOOR TOWARD THE DRAIN. FEATHER PATCH OUT TO ADJACENT FLOOR TO CREATE A SEAMLESS APPEARANCE.
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- (F) SPEC 040110 - AFTER STONE IS CLEANED, APPLY STONE CONSOLIDANT.
- (G) SPEC 040120 - INJECT EXISTING CRACK IN LIMESTONE WITH A HYDRAULIC LIME INJECTION, RAKE BACK $\frac{3}{8}$ ", AND INSTALL AND FILL THE JOINTS WITH A COMPATIBLE PATCHING COMPOUND.
- (H) SPEC 040120 - REMOVE EXISTING INCIPENT LIMESTONE SPALL. REMOVE DAMAGED OR DETERIORATED LIMESTONE DOWN TO SOLID MATERIAL. PATCH LIMESTONE WITH A COMPATIBLE PATCHING COMPOUND.
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PROJECT TITLE
SOUTH FOUNTAINS
RESTORATION

MISSOURI STATE CAPITOL

JEFFERSON CITY, MISSOURI

PROJECT # 02204-01

ASSET #

3101001040 CAPITOL BUILDING

3101001028 FTN. OF THE ARTS

3101001029 FTN. OF SCIENCES

REVISION: 1 - ADDENDUM 3

DATE: 5/29/25

REVISION:

DATE:

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DATE:

ISSUE DATE: 5/6/2024

CAD DWG FILE: AG

DRAWN BY: AG

CHECKED BY: AG

DESIGNED BY: AG

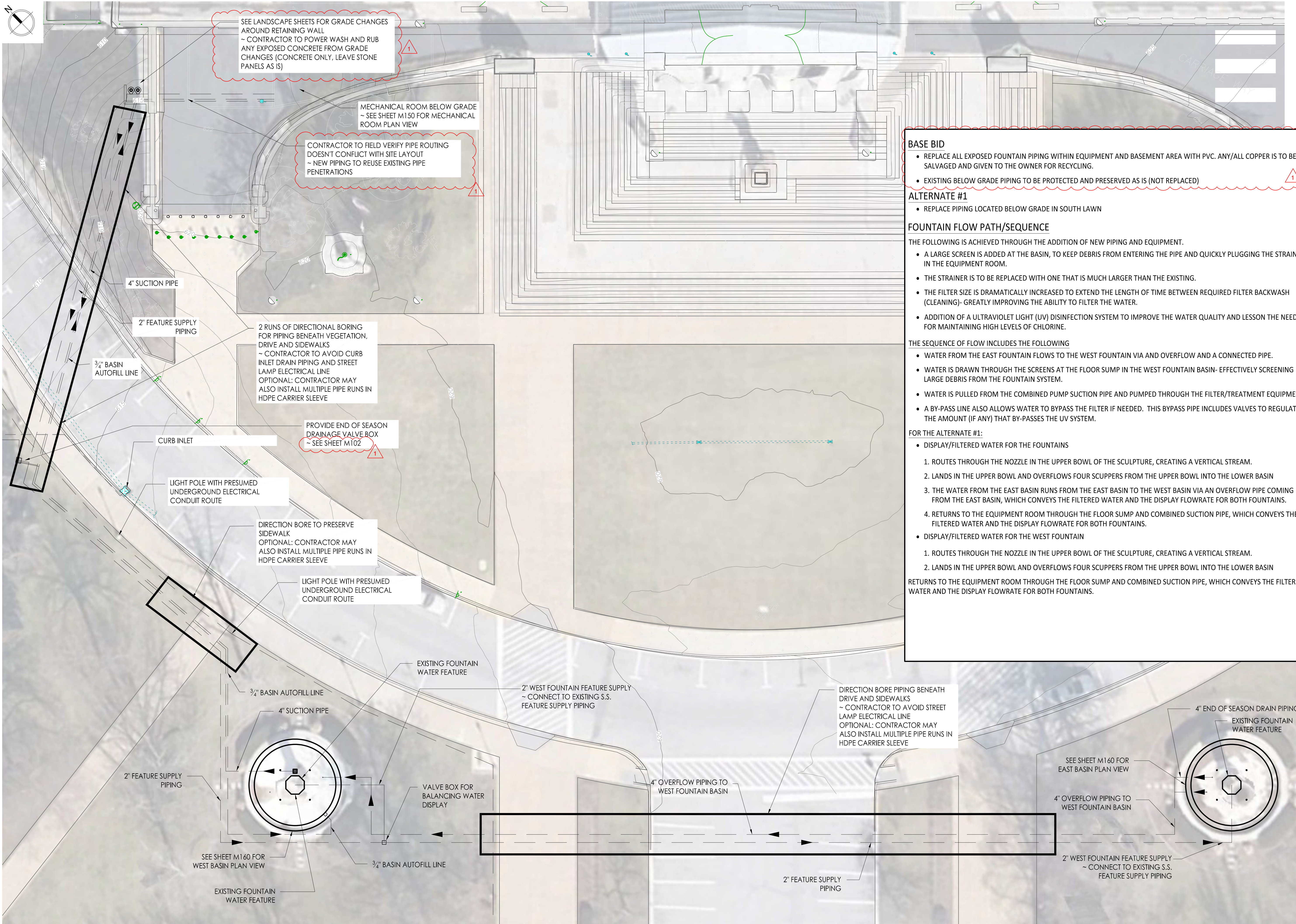
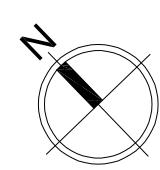
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SOUTH FOUNTAINS -
WEST FOUNTAIN
(ARTS) - FOUNTAIN
ELEVATIONS

SHEET NUMBER:

A200

13 OF 25 SHEETS
CONSTRUCTION DOCUMENTS
MAY 6, 2024



- BASE BID**
- REPLACE ALL EXPOSED FOUNTAIN PIPING WITHIN EQUIPMENT AND BASEMENT AREA WITH PVC. ANY/ALL COPPER IS TO BE SALVAGED AND GIVEN TO THE OWNER FOR RECYCLING.
 - EXISTING BELOW GRADE PIPING TO BE PROTECTED AND PRESERVED AS IS (NOT REPLACED)

- ALTERNATE #1**
- REPLACE PIPING LOCATED BELOW GRADE IN SOUTH LAWN

FOUNTAIN FLOW PATH/SEQUENCE

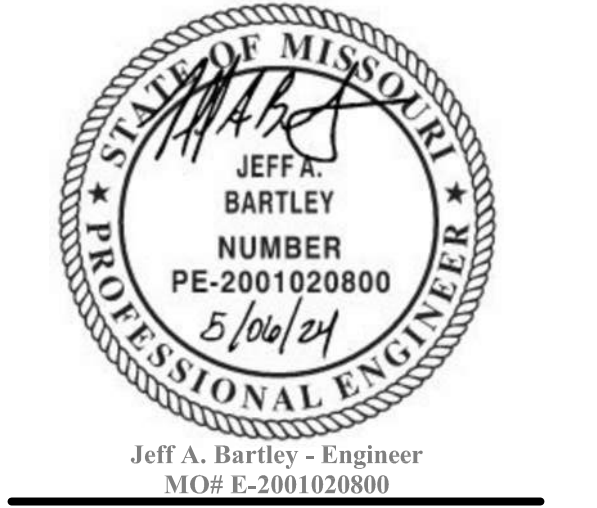
THE FOLLOWING IS ACHIEVED THROUGH THE ADDITION OF NEW PIPING AND EQUIPMENT.

- A LARGE SCREEN IS ADDED AT THE BASIN, TO KEEP DEBRIS FROM ENTERING THE PIPE AND QUICKLY PLUGGING THE STRAINER IN THE EQUIPMENT ROOM.
- THE STRAINER IS TO BE REPLACED WITH ONE THAT IS MUCH LARGER THAN THE EXISTING.
- THE FILTER SIZE IS DRAMATICALLY INCREASED TO EXTEND THE LENGTH OF TIME BETWEEN REQUIRED FILTER BACKWASH (CLEANING)- GREATLY IMPROVING THE ABILITY TO FILTER THE WATER.
- ADDITION OF A ULTRAVIOLET LIGHT (UV) DISINFECTION SYSTEM TO IMPROVE THE WATER QUALITY AND LESSON THE NEED FOR MAINTAINING HIGH LEVELS OF CHLORINE.

THE SEQUENCE OF FLOW INCLUDES THE FOLLOWING

- WATER FROM THE EAST FOUNTAIN FLOWS TO THE WEST FOUNTAIN VIA AND OVERFLOW AND A CONNECTED PIPE.
- WATER IS DRAWN THROUGH THE SCREENS AT THE FLOOR SUMP IN THE WEST FOUNTAIN BASIN- EFFECTIVELY SCREENING LARGE DEBRIS FROM THE FOUNTAIN SYSTEM.
- WATER IS PULLED FROM THE COMBINED PUMP SUCTION PIPE AND PUMPED THROUGH THE FILTER/TREATMENT EQUIPMENT.
- A BY-PASS LINE ALSO ALLOWS WATER TO BYPASS THE FILTER IF NEEDED. THIS BYPASS PIPE INCLUDES VALVES TO REGULATE THE AMOUNT (IF ANY) THAT BY-PASSES THE UV SYSTEM.

- FOR THE ALTERNATE #1:**
- DISPLAY/FILTERED WATER FOR THE FOUNTAINS
 - 1. ROUTES THROUGH THE NOZZLE IN THE UPPER BOWL OF THE SCULPTURE, CREATING A VERTICAL STREAM.
 - 2. LANDS IN THE UPPER BOWL AND OVERFLOWS FOUR SCUPPERS FROM THE UPPER BOWL INTO THE LOWER BASIN
 - 3. THE WATER FROM THE EAST BASIN RUNS FROM THE EAST BASIN TO THE WEST BASIN VIA AN OVERFLOW PIPE COMING FROM THE EAST BASIN, WHICH CONVEYS THE FILTERED WATER AND THE DISPLAY FLOWRATE FOR BOTH FOUNTAINS.
 - 4. RETURNS TO THE EQUIPMENT ROOM THROUGH THE FLOOR SUMP AND COMBINED SUCTION PIPE, WHICH CONVEYS THE FILTERED WATER AND THE DISPLAY FLOWRATE FOR BOTH FOUNTAINS.
 - DISPLAY/FILTERED WATER FOR THE WEST FOUNTAIN
 - 1. ROUTES THROUGH THE NOZZLE IN THE UPPER BOWL OF THE SCULPTURE, CREATING A VERTICAL STREAM.
 - 2. LANDS IN THE UPPER BOWL AND OVERFLOWS FOUR SCUPPERS FROM THE UPPER BOWL INTO THE LOWER BASIN
 - RETURNS TO THE EQUIPMENT ROOM THROUGH THE FLOOR SUMP AND COMBINED SUCTION PIPE, WHICH CONVEYS THE FILTERED WATER AND THE DISPLAY FLOWRATE FOR BOTH FOUNTAINS.





A FOUNTAIN SITE DRAINAGE PLAN VIEW
Scale: 3/16" = 1'-0"

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CAD DWG FILE: TB/JB
DRAWN BY: TB/JB
CHECKED BY: TB/JB
DESIGNED BY: TB

SHEET TITLE:
FOUNTAIN SITE
DRAINAGE PLAN

SHEET NUMBER:

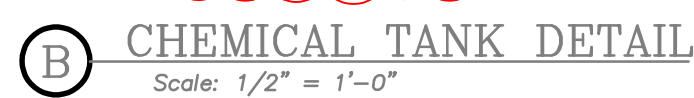
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18 OF 25 SHEETS
CONSTRUCTION DOCUMENTS
MAY 6, 2024

1. PIPE TYPE SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS:
OPTIONAL PIPE SYSTEMS INCLUDE:
-SCHEDULE 80 PVC
- RESTRAINED JOINT PVC (3" OR LARGER) AND HDPE, (2" AND SMALLER)
- HDPE, (ALL SIZES)
2. REFER TO POOL MECHANICAL SHEETS FOR PIPE TYPES BEYOND THE BUILDING
3. PIPE SIZES ARE IDENTIFIED IN INCHES ON THE DRAWINGS
4. PIPE CONNECTION HARDWARE SHALL BE S.S. WITHIN POOL MECHANICAL ROOM
5. CONTRACTOR SHALL PROVIDE AND INSTALL UNIFLANGES/UNIONS AS REQ'D
6. SCH 80 PVC FITTINGS MAY BE SOLVENT WELD OR FLANGED AT CONTRACTOR'S OPTION
7. ALL PIPING AND FITTINGS AT EQUIPMENT (FILTERS, PUMPS, VALVES, ETC.) SHALL BE FLANGED
~ PVC FLANGES AT FITTINGS SHALL BE MALE TYPE AS SHOWN
8. REFER TO MAXIMUM PIPE SUPPORT SPACING SCHEDULE FOR FREQUENCY AND SPACING OF PIPE SUPPORTS
~ AT MINIMUM, CONTRACTOR SHALL SUPPORT PIPING AS INDICATED ON SCHEDULE WHICH MAY REQUIRE MORE SUPPORTS THAN INDICATED ON DRAWINGS
9. ALL HARDWARE SHALL BE S.S.
10. PROVIDE AIR RELEASE VALVE AT ALL HIGH LOOPS IN PIPING
11. PROVIDE DRAIN VALVE AT ALL LOW POINTS IN PIPING
12. ALL PIPING THROUGH CONCRETE STRUCTURES SHALL BE CAST-IN-PLACE
~ NO PIPE SLEEVES OR CORING ALLOWED UNLESS OTHERWISE NOTED

*Maximum support spacing of 20 Ft.
Provide a minimum of 1 hanger as close as practical to the joint behind the bell, and at changes of direction and branch connections.
** Unless shown or noted otherwise

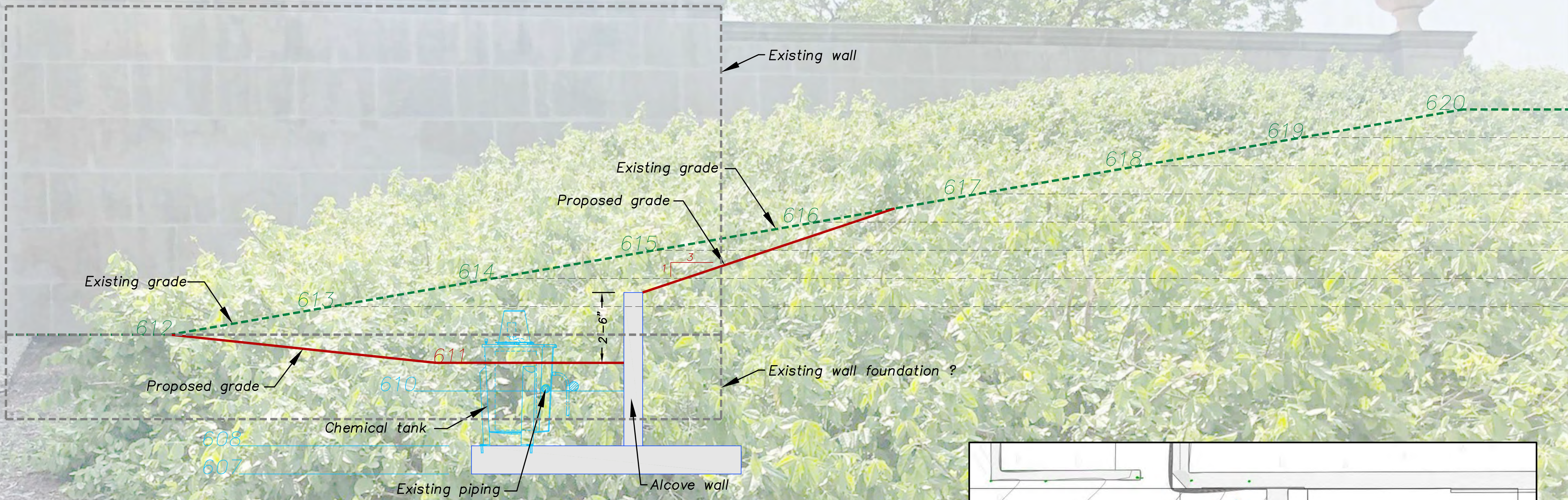
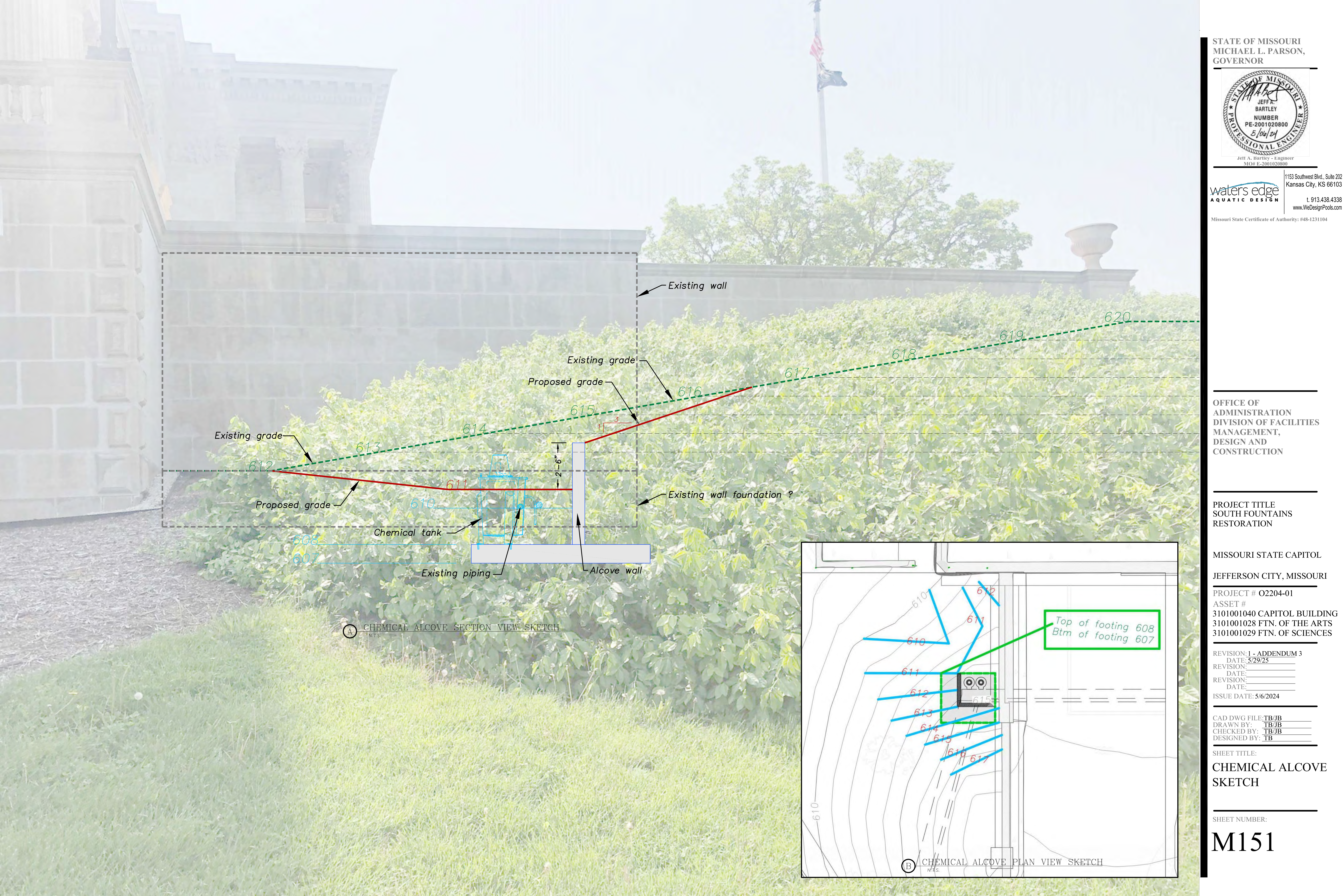
CHEMICAL TANKS



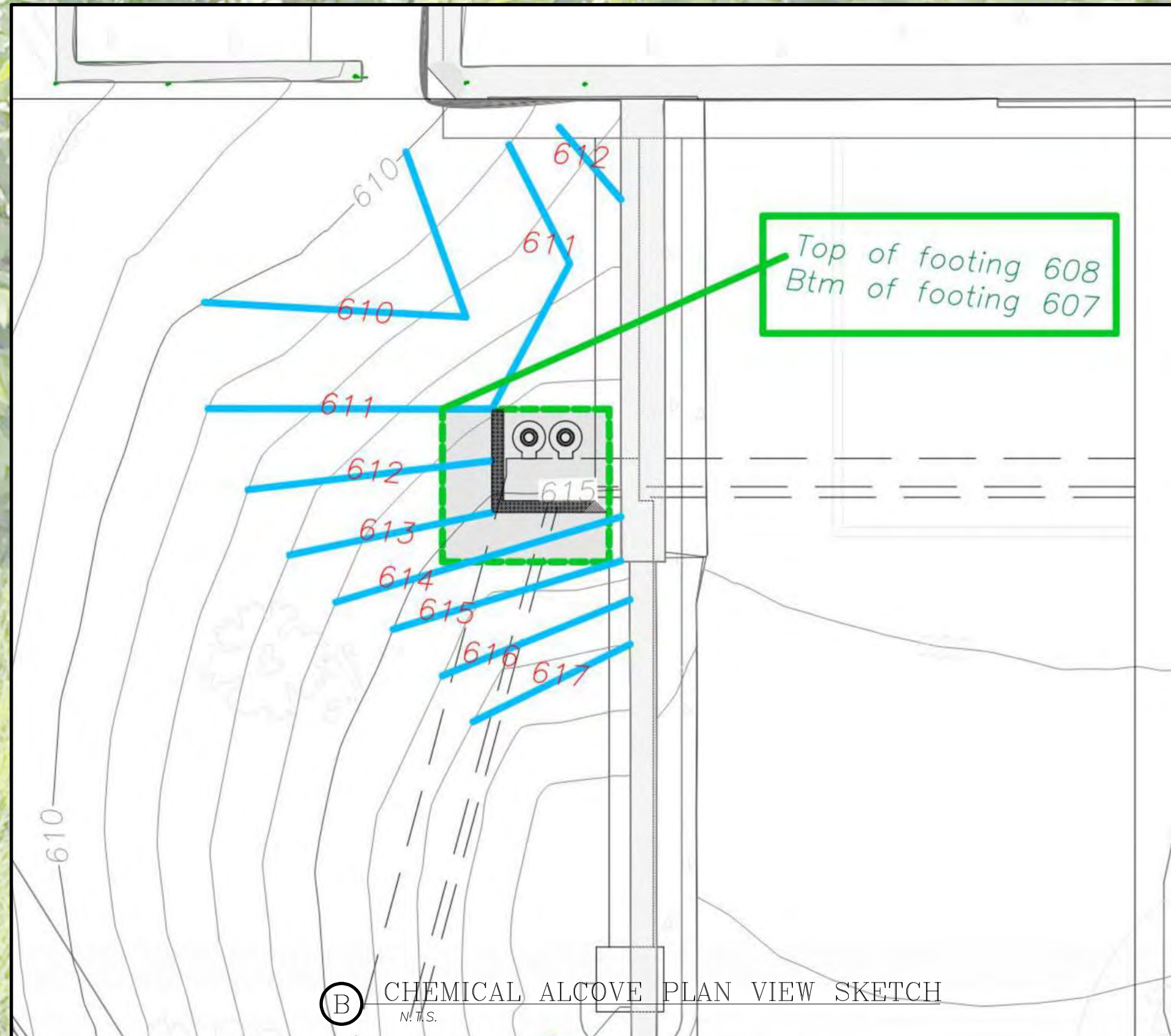
- A SINGLE PUMPING SYSTEM PROVIDES FLOWRATES TO FILTER/TREAT THE WATER AND ALSO FOR THE WATER DISPLAY (NOZZLES AND SCUPPERS).
- THE FILTER SYSTEM OPERATION CAN BE MANUALLY RUN 24 HOURS PER DAY
- THE WATER DISPLAY CAN BE INTERRUPTED VIA A TIME CLOCK THAT CLOSSES A SOLENOID VALVE TO THE WATER DISPLAY NOZZLES.
- WATER IS PULLED FROM THE COMBINED PUMP SUCTION PIPE AND PUMPED AT A RATE OF 80 GALLONS PER MINUTE (GPM), WHICH
 - EXCEEDS THE EQUIVALENT OF A 3-HOUR TURNOVER PERIOD FOR THE FOUNTAIN BASIN VOLUME.
- PROVIDES THE FLOWRATE NEEDED FOR THE NOZZLE DISPLAY. EACH FOUNTAIN SCULPTURE IS TO RECEIVE 40 GPM TO CREATE A WATER DISPLAY AND A FLOWRATE DEPTH OF APPROXIMATELY $\frac{1}{2}$ " OF WATER AT THE SCUPPERS.
- THE FULL FLOWRATE IS PUMPED THROUGH A CARTRIDGE FILTER SYSTEM (LARGER SIZE THAN CURRENT FILTER).
- WATER IS ROUTED THROUGH AN ULTRAVIOLET LIGHT (UV) SYSTEM THAT SUPPLEMENTS CHLORINE DISINFECTION AND ALLOWS THE USE OF REDUCED CHLORINE CONCENTRATION.
- A CONTROLLER SAMPLES THE WATER AND MEASURES CHLORINE CONCENTRATION AND PH BALANCE, AND CONTROLS CHLORINE AND ACID FEED INTO THE FOUNTAIN SYSTEM IN AN AUTOMATED.
- THE CHEMICAL FEED STORAGE AN INJECTION POINT IS LOCATED OUTSIDE OF THE BUILDING AND IN LANDSCAPING. THIS KEEPS CHLORINE AND ACID FUMES AWAY FROM THE INTERIOR FINISHED SPACES IN THE BUILDING



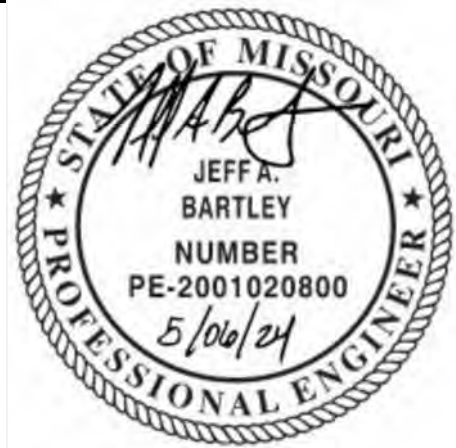
19 OF 25 SHEETS
CONSTRUCTION DOCUMENTS
MAY 6, 2024



(A) CHEMICAL ALCOVE SECTION VIEW SKETCH
N.T.S.



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

PROJECT TITLE
SOUTH FOUNTAINS
RESTORATION

MISSOURI STATE CAPITOL

JEFFERSON CITY, MISSOURI

PROJECT # O2204-01

ASSET #
3101001040 CAPITOL BUILDING
3101001028 FTN. OF THE ARTS
3101001029 FTN. OF SCIENCES

REVISION: 1 - ADDENDUM 3

DATE: 5/29/25

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

ISSUE DATE: 5/6/2024

CAD DWG FILE: TB/JB

DRAWN BY: TB/JB

CHECKED BY: TB/JB

DESIGNED BY: TB

SHEET TITLE:

CHEMICAL ALCOVE
SKETCH

SHEET NUMBER:

M151