

PROJECT	Brickline Greenway North Connector – Phase 2	ADDENDUM NUMBER	01
PROJECT NO.	14654 (GRG 308s)	DATE	9/1/2026
PROJECT LOCATION	St Louis, Missouri		
CLIENT	Great Rivers Greenway		
PREPARED BY	Hannah Higgins, SmithGroup		

NAME	COMPANY
Developer's Representative – Lonny Boring	Great Rivers Greenway
Construction Manager – Steven Truemper	ABNA
Project Manager - Hannah Higgins	SmithGroup
Construction PM – Ellen Schmidt	SmithGroup
BIDDERS	

This Addendum is issued pursuant to the Instructions to Bidders and/or Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

ADDENDUM #01

Proposed changes include the following updates and the related pay item, bid tab, and JSP adjustments required:

- Updated plaza design at Finney and Spring
 - Updated Demolition sheet
 - Updated Layout sheets and Site Details
 - Updated Grading sheets
 - Updated Utility sheets
 - Updated Electrical sheets
 - Updated Soil, Landscape, and Irrigation sheets
 - Updated Trail signage sheets
- Bid Alternate #02 added to provide pavers at Cardinal Ritter College Prep (CRCP)
 - Updated Layout and Site Detail sheets

BID ALTERNATE #02 - PAVERS AT CRCP CROSSING – Please provide a Contract ADD amount for Bid Alternate #02 as listed on the attached updated Bid Form to install pavers in lieu of concrete shared-use path pavement. The Developer will determine if the contract will include or not include the paver installation and the related bid increase that accounts for all products, materials, equipment, systems, or installation methods required.

PART 1 - NEW DOCUMENTS ISSUED WITH THIS DOCUMENT

1.1 NEW PROJECT MANUAL DOCUMENTS AND SPECIFICATIONS

- A. JSP-45 LANDSCAPE STONE has been added.

B. JSP-64 STONE SEATING, INSTALLATION ONLY has been added.

C. JSP-65 DECORATIVE CONCRETE PAVING has been added.

1.2 NEW DRAWING SHEETS

A. L2-401 LANDSCAPE ENLARGEMENT FINNEY PLAZA has been added.

PART 2 - REVISED DOCUMENTS ISSUED WITH THIS DOCUMENT

2.1 REVISED PROJECT MANUAL DOCUMENTS AND SPECIFICATIONS

A. NOTICE TO CONTRACTORS – Section 3 Period of Performance updated to include potential extension of Final Completion Date to allow for seasonal landscaping to occur after Substantial Completion.

B. BID FORM

1. Updated to reflect adjusted quantities and new pay items identified in this document. Adjustments have been highlighted in red.
2. Two (2) pay items (#115 and 167) have been omitted
3. Nine (9) pay items have been added (#132.1, 159.1, and 189-195).
4. Add Alternate #02 - PAVER CROSSING AT CRCP which changes part of the greenway along Cardinal Ritter's main entry walk from concrete to unit paving on concrete (adding pay items #196-198).

C. JSP TABLE OF CONTENTS has been updated to omit one and add three JSPs.

D. JSP-19 INSTALL LIGHTING EQUIPMENT has been updated to include additional information on the power supply, panelboard, and enclosure receptacle.

E. JSP-20 ELECTRICAL POWER SUPPLY has been updated to include timeclock and additional basis of payment detail for plaza lighting.

F. JSP-41 CONCRETE PAVING has been updated to include fiber reinforcement detail.

G. JSP-46 PRECAST CONCRETE SEATWALL has been omitted.

H. MoDOT LPA-15-03 has been updated to include Add Alternate #02-Paver Crossing at Cardinal Ritter College Prep (CRCP).

I. FORM 4: CONTRACT – Added Note 7 and Additional Certification form: Certification of Primary Participant Regarding Responsibility Matters (FAR 52.209-5)".

2.2 REVISED DRAWING SHEETS

A. G2-001 SUMMARY OF QUANTITIES - Updated to reflect adjusted quantities and new pay items identified in this document.

B. CS4-105 DEMOLITION PLAN – SPRINT – AREA 5: Adjusted limits of full depth pavement removal area and mill and overlay area.

- C. CS5-105 LAYOUT AND MATERIALS PLAN – SPRING – AREA 5: Plaza areas at Spring/Finney intersection updated.
- D. CS5-107 LAYOUT AND MATERIALS PLAN – SPRING – AREA 7: Sidewalk updated for relocated trail signage.
- E. CS5-402 LAYOUT AND MATERIALS PLAN ENLARGEMENTS: Alternate #2 added.
- F. CS5-407 LAYOUT AND MATERIALS PLAN ENLARGEMENTS: Plaza areas at Spring/Finney intersection updated.
- G. CS5-503 SITE DETAILS: Detail 5 Cut Stone Steppers has been added.
- H. CS5-504 SITE DETAILS: Details 2 and 3 updated to reflect that all seatwalls are Granite.
- I. CS5-505 SITE DETAILS: Detail 1 SEATWALL-GRANITE (FINNEY PLAZA) has been omitted and Detail 1 UNIT PAVING ON CONCRETE – PATTERN 3 has been added.
- J. CS5-507 STRUCTURAL DETAILS: Detail 1 omitted – not in use.
- K. CS6-105 GRADING PLAN – SPRING – AREA 5 and CD6-404 ENLARGED GRADING PLANS: Revised grading to match the updated plaza design areas at Spring/Finney intersection.
- L. CU1-105 UTILITY PLAN – SPRING – AREA 5: Revised drinking fountain water service and drain to match the new location on the north side of Finney Avenue.
- M. E1-103 ELECTRICAL PLAN – SPRING – AREA 3: Conduit routed to stub-up for future digital kiosk to be coordinated with final components. Conduit routing revised to route around sign.
- N. E1-105 ELECTRICAL PLAN – SPRING – AREA 5: Conduit routing revised to reflect new bollard locations and new code blue location.
- O. E1-501 CITY LIGHTING SPECIFICATION: PB FIN panel schedule updated to reflect new bollards circuited and future Spring Ave digital kiosk location.
- P. CS7-105 REGULATORY SIGNAGE PLANS – SPRING – AREA 5: Updated two sign locations at Spring/Finney intersection.
- Q. CS7-501 REGULATORY SIGNAGE DETAILS: Signing Schedule: signs updated at Spring/Finney intersection.
- R. L1-105 SOILS PLAN - SPRING - AREA 5: Updated planting soil extents at Spring/Finney intersection.
- S. L1-107 SOILS PLAN - SPRING - AREA 7: Updated planting soil extents for additional trail signage pavement.

- T. L2-102 LANDSCAPE PLAN - SPRING - AREA 2: Updated plant schedule quantities to correct count discrepancies (no changes to the plan).
- U. L2-103 LANDSCAPE PLAN - SPRING - AREA 3: Updated plant schedule quantities to correct count discrepancies (no changes to the plan).
- V. L2-104 LANDSCAPE PLAN - SPRING - AREA 4: Updated plant schedule quantities to correct count discrepancies (no changes to the plan).
- W. L2-105 LANDSCAPE PLAN - SPRING - AREA 5: Updated plant schedule, reference added to new planting sheet L2-401, updated design for plaza at Spring/Finney intersection.
- X. L2-106 LANDSCAPE PLAN - SPRING - AREA 6: Updated plant schedule quantities to correct count discrepancies (no changes to the plan).
- Y. L2-107 LANDSCAPE PLAN - SPRING - AREA 7: Updated plant schedule quantities to correct count discrepancies and updated plan to include additional pavement for trail signage.
- Z. L2-501 LANDSCAPE DETAILS: Updated plant schedule quantities, including:
1. Adjusted plant code "HEOC" to "heoc"
 2. Additions:

a. AMAR (4)	i. heri (64)
b. GYDE (5)	j. heua (64)
c. QUMA (3)	k. hevi (64)
d. QUMA-S (1)	l. lisp (98)
e. SONI (82)	m. mobr (78)
f. asth (98)	n. pedi (212)
g. cabi (591)	o. rufu (233)
h. ecpa (98)	p. veli (96)
 3. Subtractions

a. AMGA (-4)	m. euma (-92)
b. BEND (-3)	n. narc (-107)
c. QUAL (-1)	o. oema (-343)
d. QUPH (-2)	p. pain (-26)
e. HYPR (-29)	q. pymu (-143)
f. ILVB (-2)	r. ruhu (-160)
g. amcf (-32)	s. scin (-151)
h. asve (-26)	t. scst (-2)
i. cain (-216)	u. seed (-846 sqft)
j. capr (-529)	v. sphe (-504)
k. cola (-26)	w. sywp (-16)
l. eryl (-26)	
- AA.L3-105: IRRIGATION PLAN – SPRING – AREA 5: Updated layout to match landscape bed changes.

BB.L4-105 TRAIL SIGNAGE AND FURNISHINGS PLAN - SPRING - AREA 5: Updated Sheet Legend and Signage Schedule. Updated Furnishings and Signage Tags. New Furnishings include:

1. Additions:
 - a. Granite Chair (7)
 - b. Stone Bench, 24" x 60" (9)
 - c. Large Stone Cube, 24" (2)
 - d. Small Stone Cube, 18" (3)
2. Subtractions:
 - a. Bench, 6' Backless (-2)

CC.L4-107 TRAIL SIGNAGE AND FURNISHINGS PLAN - SPRING - AREA 7: Updated Signage Schedule and relocated BL-IN1 Sign from Area 5

NOTICE TO CONTRACTORS

Bids may be submitted electronically until 2:00 P.M. prevailing Central time, September 24, 2026, via the Bid Express website at bidexpress.com. Sealed bids, addressed to Great Rivers Greenway, 3745 Foundry Way, Suite 253 St. Louis, Missouri 63110 for the proposed work will be received by Great Rivers Greenway until 2:00 P.M. (prevailing local time) on September 24, 2026, at the office of Great Rivers Greenway, and at that time will be publicly opened. Bids should be delivered to: Great Rivers Greenway, 3745 Foundry Way, Suite 253 St. Louis, Missouri 63110.

(1) PROPOSED WORK: Construction of the Brickline Greenway North Connector segment along the west side of Spring from Page Blvd to Washington Ave in St. Louis, Missouri. The proposed work, hereinafter called the work, includes (but is not limited to): earthwork, removals, grading, paving, utility adjustments, street reconfiguration, traffic control, signals, street and pedestrian lighting, greenway trail and new sidewalk, curbs, seatwalls, unit pavers, trees, landscaping, irrigation, trail and wayfinding signage, and site furniture. The work consists of furnishing all material, labor, tools, equipment, and supervision necessary for the construction of the items noted above in accordance with all the requirements of these specifications, and the drawings made a part thereof. Existing site amenities damaged during construction shall be replaced at no cost to the owner.

(2) COMPLIANCE WITH CONTRACT PROVISIONS: The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the current version of the Missouri Highways and Transportation Commission's "Missouri Standard Specifications for Highway Construction," and "Missouri Standard Plans for Highway Construction" (if applicable), their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Missouri Standard Specifications for Highway Construction 2026, as revised, unless otherwise noted.

The following documents are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications
Supplemental Revisions to Missouri Standard Plans
For Highway Construction (if applicable)

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

Please note that within the above-listed documents, the term "Commission" shall be replaced with the term, "Great Rivers Greenway", and the term "Engineer" is a reference to the Engineer of Record from "Great Rivers Greenway District" for all Missouri Highway and Transportation Commission's Standard Specifications.

The contracting authority for this contract is Great Rivers Greenway District.

(3) PERIOD OF PERFORMANCE: If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108:

Calendar Days: 390 of calendar days

Completion Date: December 31, 2027 (approximately)

The contract time for Substantial Completion shall be 390 calendar days from Notice to Proceed. Substantial Completion shall include all improvements, except for granite chair install, and perennial/tree plantings. The contract may also include up to an additional 168 calendar-day period for Final Completion, to be completed no later than May 30, 2028, contingent upon Developer approval. This period of time may be used to complete granite chair install and seasonal landscaping, including perennial/tree plantings, and final punchlist items. Work associated with Substantial Completion of the project may not be deferred beyond the original 390 calendar-day period.

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(4) **LIQUIDATED DAMAGES:** The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 shall be as follows: Liquidated damages per day \$ 3,625.00

(5) **BID GUARANTY:** The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction (if applicable). Each bid shall be accompanied by a certified check or bank draft on a responsible solvent bank or a satisfactory Bid Bond executed by the bidder and surety company and payable to the Great Rivers Greenway District, in the amount of not less than five percent (5%) of the base bid plus the greatest of the Alternate Bids. If the bidder fails to enter into a contract with the District on the terms stated in his bid, or fails to furnish a Performance Bond as required by the Contract Documents, the amount of the Bid Bond shall be forfeited to the District as liquidated damages, not as a penalty. The District will have the right to retain the Bid Bond of Bidders to whom an award is being considered until either (a) the District-Contractor Agreement has been executed or the Performance Bond has been furnished, (b) the specified time has elapsed so that bids may be withdrawn, or (c) all bids have been rejected. The Bid Bond of all Bidders to whom an award is not being considered shall be returned promptly after the bid opening.

A sample project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

- ☐ Paper Bid Bond
- ☐ Cashier's Check

(6) **CERTIFICATIONS FOR FEDERAL JOBS:** By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(7) **ANTIDISCRIMINATION:** The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

(8) **FEDERAL AND STATE INSPECTION:** The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

(9) **PREVAILING WAGE (FEDERAL AND STATE):** This contract requires payment of the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "Annual Wage Order No. 32", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein.

These supplemental bidding documents have important legal consequences. It shall be conclusively
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presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

(10) WORKER ELIGIBILITY REQUIREMENTS: Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted prior to award of this contract.

A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

[affidavit_of_compliance-1.pdf \(mo.gov\)](#)

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

http://www.dhs.gov/files/programs/qc_1185221678150.shtm

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

(11) OSHA TEN HOUR TRAINING REQUIREMENTS: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of \$2,500, plus \$100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.

(12) BUY AMERICA REQUIREMENTS: Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, 23 CFR 635.410, and the Bipartisan Infrastructure Law (2021) Build America, Buy America Act Publication L. No. 117-58 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. Construction materials consisting primarily of non-ferrous metals, plastic and polymer-based products, glass, lumber, or drywall also require Buy America certification. Cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives are excluded from this requirement. In addition, manufactured products are currently exempted under the 1983 waiver from FHWA. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or \$2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the "Buy America" requirements can be found at:

<https://www.fhwa.dot.gov/construction/cgit/buyam.cfm>

(13) ADDENDUM ACKNOWLEDGEMENT: The undersigned states that all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

(14) SIGNATURE AND IDENTITY OF BIDDER: The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

_____,
which is the correct LEGAL NAME as stated on the contractor questionnaire.

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

☐ sole individual

☐ partnership

☐ joint venture

☐ corporation, incorporated under laws of state of _____.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

Executed by bidder this _____ day of _____ 20____.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

Signature of Bidder's Owner, Officer, Partner or Authorized Agent

Please print or type name and title of person signing here

Attest:

Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

(15) **TRAINEES:** By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be Q slots at 1000 hours/slot or Q hours.

(16) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.8 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

(17) **PROJECT AWARD:** This project will be awarded to the lowest, responsive, responsible bidder.

(18) **MATERIALS INSPECTIONS:** All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

(19) **PRIME CONTRACTOR REQUIREMENTS:** The limitation in Sec 108.1.1 of the Missouri Standard Specifications for Highway Construction that "the contractor's organization shall perform work amounting to not less than 40 percent of the total contract cost" is waived for this contract. Instead, the less restrictive terms of the Federal Highway Administration's rule at Title 23 Code of Federal Regulations (CFR) § 635.116(a) shall apply, so that the contractor must perform project work with its own organization equal to and not less than 30 percent of the total original contract price. All other provisions in Sec 108.1.1 et seq. of the Missouri Standard Specifications for Highway Construction shall remain in full force and effect, and shall continue to govern the contractor and its subcontractors, in accordance with the provisions of Title 23 CFR § 635.116.

(20) **SALES AND USE TAX EXEMPTION: GREAT RIVERS GREENWAY,** a tax exempt entity, will furnish a Missouri Project Exemption Certificate as described in Section 144.062 RSMo to the awarded contractor who in turn may use the certificate to purchase materials for a specific project performed for the tax exempt entity. Only the materials and supplies incorporated or consumed during the construction of the project are exempt. The certificate will be issued to the contractor for a specific project for a defined period of time.

(21) (a) **ACCEPTANCE OF PROVISION FOR PRICE ADJUSTMENT FOR FUEL:** Bidders have the option to accept the provision for Price Adjustment for Fuel in accordance with Sec. 109.14 . The bidder must mark the box below for those items of work in which they choose to accept the provision. No price adjustments will be made, due to fuel price changes, for bidders who do not accept this provision.

☐ Excavation Production	☐ Asphalt Production	☐ Asphalt Hauling
☐ Concrete Paving Production	☐ Concrete Paving Hauling	☐ Aggregate Base Hauling

(b) **ACCEPTANCE FOR PROVISION FOR ASPHALT CEMENT PRICE INDEX, SEAL COAT PRICE INDEX, UNDERSEAL PRICE INDEX OR UBAWS MEMBRANE PRICE INDEX:** Bidders have the option to accept the provision for Asphalt Cement Price Index, Seal Coat Price Index, Underseal Price Index and/or UBAWS Membrane Price Index in accordance with the General Provisions. The bidder must mark each box below if they choose to accept the provision. The Asphalt Cement Provision applies only to projects that have a quantity of asphalt wet ton mix pay items or converted square yard quantity over 1,000 tons, the Seal Coat Provision applies only to projects that have a quantity that exceeds 50,000 square yards, the Underseal Provision applies only to any projects that have a quantity that exceeds 10,000 gallons, and the UBAWS Membrane provision applies only to projects that have a quantity that exceeds 5,000 square yards. The above quantity limits apply to an individual project or any number of projects in the contract combination.

☐ Asphalt Cement	☐ Seal Coat	☐ Underseal	☐ UBAWS Membrane
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BID FORM: BRICKLINE GREENWAY - NORTH CONNECTOR PHASE 02

SPRING AVENUE FROM PAGE BOULEVARD TO WASHINGTON AVENUE

TAP-9901(688) / TIP 7238A-26 / HUF CPF B-23-CP-MO-0886 GRG #:308s SmithGroup #14654.000

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
ROADWAY ITEMS							
1.1	MoDOT	6181000	MOBILIZATION	LS	1		
1.2	n/a	n/a	PERMITS (ALLOWANCE)	ALLOW	1	\$10,000	\$10,000
1.3	n/a	n/a	UNSUITABLE SOILS AND UNFORESEEN CONDITIONS (ALLOWANCE)	ALLOW	1	\$75,000	\$75,000
2	JSP	JSP-21	INSTALLATION OF TRAFFIC CONTROL	LS	1		
3	MoDOT/JSP	6161098A, JSP-21	CHANGEABLE MESSAGE SIGN W/O COMM INTERFACE, CONTRACTOR FURNISHED/RETAINED	EA	4		
4	JSP	JSP-05	SEDIMENT AND EROSION CONTROL	LS	1		
5	JSP	6274000, JSP-09	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
6	JSP	JSP-39	DISPOSAL OF CONTAMINATED SOIL	CY	750		
7	MoDOT	104.1	REMOVALS - FIXED OBJECTS (SIGNS, MAILBOXES)	EA	26		
8	MoDOT	202	CONCRETE CURB REMOVAL	LF	2,772		
9	JSP	JSP-17	GRANITE CURB REMOVAL AND STORAGE	LF	575		
10	MoDOT	202	PAVEMENT REMOVAL - CONCRETE	SF	24,119		
11	MoDOT	202	PAVEMENT REMOVAL - ASPHALT, FULL DEPTH	SF	82,729		
12	JSP	JSP-14	REMOVAL OF TROLLEY TRACKS	LF	160		
13	JSP	JSP-06	MANHOLE/VALVES ADJUST TO GRADE	LS	1		
14	JSP	JSP-07	STORM SEWER WORK - REMOVE INLET	EA	13		
15	JSP	JSP-18	REMOVAL OF EXISTING LIGHTING EQUIPMENT	EA	19		
16	JSP	JSP-31	REMOVAL OF EXISTING SIGNAL EQUIPMENT	EA	7		
17	JSP	JSP-08	REMOVE AND REPLACE FIRE HYDRANT	EA	8		
18	JSP	JSP-16	UTILITIES - 6" WATER PIPE	LF	90		
19	JSP	JSP-16	UTILITIES - 1 1/2" WATER PIPE	LF	24		
20	JSP	JSP-16	UTILITIES - 3/8" WATER PIPE	LF	35		
21	JSP	JSP-16	UTILITIES - WATER TAP AND METER	EA	2		
22	JSP	JSP-07	STORM SEWER WORK - NEW CURB/GRATE INLET	EA	11		
23	JSP	JSP-07	STORM SEWER WORK - NEW PLANTER INLET	EA	10		
24	JSP	JSP-07	STORM SEWER WORK - NEW MANHOLE	EA	6		
25	JSP	JSP-07	STORM SEWER WORK - 12-STORM SEWER PIPE	LF	909		
26	STL /JSP	JSP-07	SANITARY SEWER WORK - 6" SANITARY SEWER PIPE	LF	32		
27	JSP	JSP-16	UTILITIES - DRINKING FOUNTAIN INSTALL	EA	1		
28	MoDOT	207	EARTHWORK - MACHINE GRADING	SF	117,636		
29	JSP	JSP-17	GRANITE CURB, SALVAGED	LF	467		
30	JSP	JSP-40	CONCRETE CURB	LF	2,859		
31	JSP	JSP-40	CONCRETE CURB, WIDE	LF	178		
32	JSP	JSP-24	TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	LS	1		
33	MoDOT/STL	401, 321216	SURFACE - ASPHALT PAVEMENT PATCHING (BP-1 MIX)	SF	4,335		
34	MoDOT/STL	301, 321216	SURFACE - ASPHALT ROADWAY MILL & OVERLAY - (BP-1 MIX)	SF	355		
35	JSP	JSP-41	CONCRETE ROADWAY PATCHING	SF	10,071		
36	JSP	JSP-41	HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSWALKS, DRIVEWAYS, ADA SPACES)	SF	5,278		
						SUBTOTAL:	

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
SIGNING, STRIPING, SIGNALS, AND LIGHTING ITEMS							
37	JSP	JSP-19	LIGHTING - STREET LIGHT POLE (RP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION	EA	18		
38	JSP	JSP-19	LIGHTING - STREET LIGHT POLE (GRP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION	EA	6		
39	JSP	JSP-19	LIGHTING - STREET LIGHT PIPE ARM, LUMINAIRE (SB2) ON SIGNAL POLE (SP)	EA	4		
40	JSP	JSP-29	LIGHTING - CONDUIT, 2 IN., TRENCH WITH TRACER WIRE (LTG)	LF	4,161		
41	JSP	JSP-29	LIGHTING - CONDUIT, 2 IN., TRENCH WITH TRACER WIRE (PWR)	LF	2,325		
42	JSP	JSP-29	LIGHTING - CONDUIT, 2 IN., PUSHED WITH TRACER WIRE (LTG)	LF	203		
43	JSP	JSP-29	LIGHTING - CONDUIT, 2 IN., PUSHED WITH TRACE WIRE (PWR)	LF	268		
44	MoDOT	9028208	LIGHTING - CABLE, 8 AWG 1 CONDUCTOR (LTG)	LF	13,092		
45	MoDOT	9028208	LIGHTING - CABLE, 8 AWG 1 CONDUCTOR (PWR)	LF	12,300		
46	MoDOT	9017006	LIGHTING - CABLE, 6 AWG 1 CONDUCTOR (PWR)	LF	836		
47	STL / JSP	9028810, JSP-30	LIGHTING - HANDHOLES - PULL BOX, PREFORMED CLASS 1 (LTG)	EA	11		
48	MoDOT	9028811, JSP-30	POWER - HANDHOLES - PULL BOX, PREFORMED CLASS 2 (PWR)	EA	16		
49	JSP	JSP-20	ELECTRICAL POWER SUPPLY - LIGHTING/POWER PANELBOARD AND PAD MOUNTED ENCLOSURE, CONCRETE FOOTING FOUNDATION	EA	1		
50	JSP	JSP-20	ELECTRICAL POWER SUPPLY - ENCLOSURE RECEPTACLE	EA	1		
51	JSP	JSP-20	ELECTRICAL POWER SUPPLY - NEMA 3R HEAVY DUTY DISCONNECT SWITCH	EA	1		
52	JSP	JSP-60	DISPOSITION OF EXISTING MODOT SIGNAL EQUIPMENT	LS	1		
53	MoDOT	9020213	SIGNAL HEAD, TYPE 3S	EA	6		
54	MoDOT	9020513	SIGNAL HEAD, TYPE 3B	EA	9		
55	MoDOT	9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	12		
56	MoDOT	9020833	SH-FLAT SHEET - SIGNAL SIGN	SF	62		
57	MoDOT	9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	8		
58	MoDOT	9022651	LUMINAIRE LED-A, 120 VOLT COMPATIBLE	EA	4		
59	MoDOT	9022708	POST, SIGNAL 8 FT.	EA	6		
60	MoDOT	9023215	POST, TYPE C, 15 FT. ARM	EA	1		
61	MoDOT	9023130	POST, TYPE CL, 30 FT. ARM	EA	2		
62	MoDOT	9023450	POST, TYPE BL, LONGEST ARM 50 FT. OR 15.2 M	EA	1		
63	MoDOT	9024283	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EA	1		
64	JSP	JSP-33	APS UNIT w/ SIGN	EA	12		
65	MoDOT	9025200	CONDUIT, 2 IN., TRENCH WITH TRACER WIRE	LF	50		
66	MoDOT	9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	220		
67	MoDOT	9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	190		
68	MoDOT	9028100	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	380		
69	MoDOT	9028208	CABLE, 8 AWG 1 CONDUCTOR, POWER	LF	90		
70	MoDOT	9028302	CABLE, 12 AWG 2 CONDUCTOR	LF	530		
71	MoDOT	9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1,980		
72	MoDOT	9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2,050		
73	MoDOT	9028311	CABLE, 16 AWG 7 CONDUCTOR	LF	2,420		
74	MoDOT	9028621	POWER SUPPLY ASSEMBLY, TYPE-2, 240/120 VOLT SERVICE, LIGHTING AND SIGNALS	EA	1		
75	MoDOT	9028811	PULL BOX, PREFORMED, CLASS 2	EA	3		
76	MoDOT	9028812	PULL BOX, PREFORMED, CLASS 3	EA	1		
77	MoDOT	9029100	BASE, CONCRETE	CY	15		

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
78	JSP	JSP-25	CCTV CAMERA (SINGLE CAMERA), INSTALL	EA	1		
79	JSP	JSP-35	VEHICLE DETECTION SYSTEM	EA	1		
80	JSP	JSP-31	REMOVE EXISTING MAST ARM ASSEMBLY & POLE	EA	4		
81	JSP	JSP-31	REMOVE EXISTING SIGNAL POST	EA	4		
82	JSP	JSP-31	REMOVE EXISTING SIGNAL HEAD	EA	13		
83	JSP	JSP-31	REMOVE EXISTING PEDESTRIAN HEAD	EA	12		
84	JSP	JSP-31	REMOVE EXISTING APS UNIT W/ SIGN	EA	4		
85	JSP	JSP-31	REMOVE EXISTING PULL BOX	EA	4		
86	JSP	JSP-31	REMOVE EXISTING MAST ARM MOUNTED SIGN	EA	4		
87	JSP	JSP-31	REMOVE EXISTING POST MOUNTED SIGN	EA	1		
88	JSP	JSP-31	REMOVE EXISTING SIGNAL CABINET	EA	1		
89	JSP	JSP-31	REMOVE EXISTING CONCRETE FOUNDATION	EA	9		
90	JSP	JSP-29	CONDUIT, 2 IN., TRENCH (FIBER OPTIC)	LF	4,715		
91	JSP	JSP-29	CONDUIT, 2 IN., PUSHED (FIBER OPTIC)	LF	950		
92	JSP	JSP-30	PULL BOX, PREFORMED, CLASS 2	EA	11		
93	JSP	JSP-30	PULL BOX, PREFORMED, CLASS 5	EA	2		
94	JSP	JSP-36	FIBER OPTIC CABLE, 48-STRAND SINGLE MODE / 24-STRAND MULTI MODE	LF	3,570		
95	JSP	JSP-36	RACK MOUNTED INTERCONNECT CENTER	EA	1		
96.1	JSP	JSP-36	FIBER OPTIC TERMINATIONS - FUSION SPLICE, SINGLE MODE	EA	36		
96.2	JSP	JSP-36	FIBER OPTIC TERMINATIONS - FUSION SPLICE, MULTI MODE	EA	36		
96.3	JSP	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC PIGTAIL, SINGLE MODE	EA	36		
96.4	JSP	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC PIGTAIL, MULTI MODE	EA	36		
96.5	JSP	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC JUMPER, SINGLE MODE	EA	6		
97	JSP	JSP-26	HARDENED ETHERNET SWITCH - LAYER 2	EA	1		
98	MoDOT	9035004A	REG SIGNAGE - FLAT SHEET SIGN	SF	250		
99	MoDOT	9031250A	REG SIGNAGE - U-CHANNEL POST, 3LB	LF	295		
100	JSP	JSP-63	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	EA	5		
101	MoDOT	6206000C, JSP-37	4 IN. WHITE/YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	9,278		
102	MoDOT	6200015, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (STOP BARS, CROSSWALKS)	LF	1,721		
103	MoDOT	6209903A, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, SPEED HUMP ARROWS	EA	16		
104	MoDOT	6209903A, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, TURN ARROWS	EA	26		
						SUBTOTAL:	
BICYCLE AND PEDESTRIAN ITEMS							
105	JSP	JSP-40	PLANTER CURB (CONCRETE)	LF	1,013		
106	JSP	JSP-40	CONCRETE BAND	LF	585		
107	JSP	JSP-41	CONCRETE PAVEMENT (SIDEWALKS)	SF	16,860		
108	JSP	JSP-41	CONCRETE PAVEMENT (SHARED USE PATH)	SF	23,850		
109	JSP	JSP-41	HEAVY DUTY CONCRETE PAVEMENT (SHARED USE PATH)	SF	1,166		
110	JSP	JSP-43	UNIT PAVING ON CONCRETE	SF	10,165		
111	JSP	JSP-43	UNIT PAVING ON CONCRETE (BRICKLINE CENTERLINE)	SF	2,481		
112	JSP	JSP-43	METAL PAVER EDGE RESTRAINT	LF	688		
113	JSP	JSP-44	DETECTABLE WARNING	SF	797		

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
114	JSP	JSP-47	GRANITE SEATWALL	LF	80		
115			NOT IN USE				
116	JSP	JSP-49	SITE FURNISHINGS - BOLLARDS, FIXED	EA	23		
117	JSP	JSP-49	SITE FURNISHINGS - BOLLARDS, REMOVABLE	EA	17		
						SUBTOTAL:	
LANDSCAPING ITEMS							
118	JSP	JSP-52	EXISTING TREE PRUNING	EA	4		
119	JSP	JSP-53	TREE PROTECTION ZONE FENCING	LF	185		
120	JSP	JSP-53	TREE PROTECTION ZONE SIGNAGE	EA	4		
121	MoDOT	2013000	REMOVALS - CLEARING AND GRUBBING	SF	654		
122	JSP	JSP-50	LANDSCAPE - STRUCTURAL SOIL	CY	1,309		
123	JSP	JSP-51	LANDSCAPE - PLANTING SOIL	CY	1,889		
124	JSP	JSP-54	LANDSCAPE - TURFGRASS SEEDING	SF	7,439		
125	JSP	JSP-55	PLANT - BULB	EA	4,104		
126	JSP	JSP-55	PLANT - PERENNIAL, 2X5 DEEP CELL PLUG	EA	5,157		
127	JSP	JSP-55	PLANT - PERENNIAL, 4" (1 QUART) CONTAINER	EA	13,214		
128	JSP	JSP-55	PLANT - PERENNIAL, #1 (1 GALLON) CONTAINER	EA	5,725		
129	JSP	JSP-55	PLANT - SHRUB, #3 (3 GALLON) TO #10 (10 GALLON)	EA	338		
130	JSP	JSP-55	PLANT - TREE, ORNAMENTAL (2.5" CALIPER OR #25 TO #65 GALLON)	EA	15		
131	JSP	JSP-55	PLANT - TREE, SHADE (3" CALIPER OR #45 TO #95/100 GALLON)	EA	43		
132	JSP	JSP-55	PLANT - TREE, SHADE (3.5" CALIPER OR #65 TO #95/100 GALLON)	EA	29		
132.1	JSP	JSP-55	PLANT - TREE, Shade (4" Cal. B&B)	EA	1		
133	JSP	JSP-55	MULCH	CY	172		
134	JSP	JSP-55	LANDSCAPE PROTECTION BARRIER	LF	7,177		
135	JSP	JSP-55	TREE STABILIZATION	EA	97		
						SUBTOTAL:	
NON-FEDERAL PARTICIPATING ITEMS							
136	JSP	JSP-19	LIGHTING - PLAZA PATHWAY BOLLARDS (B1), MOUNTING BRACKET, LUMINAIRE, TIMECLOCK CONTROLS, CONCRETE FOOTING FOUNDATION	EA	12		
137	JSP	JSP-15	WIFI INSTALLATION	ALLOW	1	\$70,000	\$70,000
138	JSP	JSP-15	WIFI - LIGHTPOLE PREPARATION	EA	7		
139	JSP	JSP-29	CONDUIT, 1.25 IN., TRENCH WITH TRACE WIRE (WIFI)	LF	557		
140	MoDOT	9028208	CABLE, 8 AWG 1 CONDUCTOR (WIFI)	LF	1,337		
141	JSP	JSP-15	SIGNALS - CABLE, CAT6 (WIFI)	LF	140		
142	JSP	JSP-43	GRANITE DONOR PLAQUES	EA	10		
143	JSP	JSP-49	SITE FURNISHINGS - BENCH, BACKED, 6'	EA	6		
144	JSP	JSP-49	SITE FURNISHINGS - BENCH, BACKLESS, 4'	EA	2		
145	JSP	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE A	EA	2		
146	JSP	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE B	EA	1		
147	JSP	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE C	EA	3		
148	JSP	JSP-49	SITE FURNISHINGS - BENCH, GRANDEL SQUARE CROSSING	EA	3		
149	JSP	JSP-49	SITE FURNISHINGS - WASTE RECEPTACLES (TRASH)	EA	6		
150	JSP	JSP-49	SITE FURNISHINGS - WASTE RECEPTACLES (RECYCLING)	EA	6		
151	JSP	JSP-49	SITE FURNISHINGS - BIKE REPAIR STATION	EA	1		

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
152	JSP	JSP-49	SITE FURNISHINGS - BIKE RACKS	EA	5		
153	JSP	JSP-49	SITE FURNISHINGS - PET WASTE STATION	EA	2		
154	JSP	JSP-49	SITE FURNISHINGS - DRINKING FOUNTAIN	EA	1		
155	JSP	JSP-49	SECURITY - CODE BLUE STATION	EA	4		
156	JSP	JSP-57	TRAIL SIGNAGE - BL-Kx1e	EA	1		
157	JSP	JSP-57	TRAIL SIGNAGE - BL-Rx1e	EA	2		
158	JSP	JSP-57	TRAIL SIGNAGE - BL-Gx10	EA	3		
159	JSP	JSP-57	TRAIL SIGNAGE - BL-IN1	EA	1		
159.1	JSP	JSP-57	TRAIL SIGNAGE - BL-IN3	EA	1		
160	JSP	JSP-56	LANDSCAPE - IRRIGATION POINT OF CONNECTION	EA	1		
161	JSP	JSP-56	LANDSCAPE - IRRIGATION SLEEVES	LF	1,700		
162	JSP	JSP-56	LANDSCAPE - IRRIGATION MAINLINE	LF	2,593		
163	JSP	JSP-56	LANDSCAPE - IRRIGATION CONTROLLERS	EA	1		
164	JSP	JSP-56	LANDSCAPE - IRRIGATION DRIP TUBING	LF	27,629		
165	JSP	JSP-56	LANDSCAPE - IRRIGATION WIRE CONDUIT	LF	1,060		
166	JSP	JSP-56	LANDSCAPE - IRRIGATION LATERAL PIPE	LF	11,626		
167	JSP	JSP-56	LANDSCAPE - IRRIGATION SPRINKLERS	EA	0		
168	JSP	JSP-56	LANDSCAPE - IRRIGATION BUBBLER ASSEMBLIES	EA	101		
169	JSP	JSP-56	LANDSCAPE - IRRIGATION ZONE CONTROL VALVES	EA	7		
170	JSP	JSP-56	LANDSCAPE - IRRIGATION DRIP CONTROL ZONE ASSEMBLIES	EA	17		
189	JSP	JSP-41	CONCRETE PAVEMENT WITH EXPOSED AGGREGATE FINISH	SF	580		
190	JSP	JSP-45	CUT STONE STEPPERS	SF	115		
191	JSP	JSP-45	STONE EDGING	LF	62		
192	JSP	JSP-64	GRANITE CHAIR, INSTALLATION ONLY	EA	7		
193	JSP	JSP-64	STONE BENCH, 24" x 60", INSTALLATION ONLY	EA	9		
194	JSP	JSP-64	LARGE STONE CUBE, 24", INSTALLATION ONLY	EA	2		
195	JSP	JSP-64	SMALL STONE CUBE, 18", INSTALLATION ONLY	EA	3		
						SUBTOTAL:	
ROADWAY SUBTOTAL:							
SIGNING, STRIPING, SIGNALS, AND LIGHTING SUBTOTAL:							
BICYCLE AND PEDESTRIAN SUBTOTAL:							
LANDSCAPING SUBTOTAL:							
FEDERAL TOTAL:							
NON-FEDERAL PARTICIPATING SUBTOTAL:							
TOTAL:							

ITEM #	SPEC	STANDARD SPEC PAY ITEM	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	ITEM COST
ADD ALTERNATE #1							
171	JSP	JSP-41	OMIT - HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSWALKS/DRIVEWAYS)	SF	-21		
172	JSP	JSP-41	OMIT - CONCRETE PAVEMENT (SHARED USE PATH)	SF	-14		
173	MoDOT	202	REMOVALS - TREES (SMALL)	EA	2		
174	MoDOT	202	REMOVALS - TREES (LARGE)	EA	2		
175	MoDOT	2013000	REMOVALS - CLEARING AND GRUBBING	SF	660		
176	MoDOT	2022010	REMOVALS - UNIT RETAINING WALL	LF	35		
177	MoDOT	2022010	REMOVALS - FENCE	LF	45		
178	MoDOT	207	EARTHWORK - MACHINE GRADING	SF	660		
179	MoDOT	6071013A	CHAIN LINK FENCE, 72"	LF	40		
180	JSP	JSP-51	LANDSCAPE - PLANTING SOIL	CY	20		
181	JSP	JSP-54	LANDSCAPE - TURFGRASS SEEDING	SF	185		
182	JSP	JSP-55	PLANT - PERENNIAL, 2X5 DEEP CELL PLUG	EA	73		
183	JSP	JSP-55	PLANT - PERENNIAL, 4" (1 QUART) CONTAINER	EA	23		
184	JSP	JSP-55	PLANT - PERENNIAL, #1 (1 GALLON) CONTAINER	EA	73		
185	JSP	JSP-55	PLANT - TREE, ORNAMENTAL (2.5" CALIPER OR #25 TO #65 GALLON)	EA	3		
186	JSP	JSP-55	MULCH	CY	2		
187	JSP	JSP-55	LANDSCAPE PROTECTION BARRIER	LF	87		
188	JSP	JSP-55	TREE STABILIZATION	EA	3		
BID ALTERNATE #01 SUBTOTAL:							
CONSTRUCTION TOTAL WITH BID ALTERNATE #1:							

ADD ALTERNATE #2							
196	JSP	JSP-41	OMIT - CONCRETE PAVEMENT (SHARED USE PATH)	SF	-1,245		
197	JSP	JSP-43	ADD - UNIT PAVING ON CONCRETE	SF	1,245		
198	JSP	JSP-43	ADD - METAL PAVER EDGE RESTRAINT	LF	59		
ADD ALTERNATE #2 SUBTOTAL:							
CONSTRUCTION TOTAL WITH ADD ALTERNATE #1 AND ADD ALTERNATE #2:							

JOB SPECIAL PROVISIONS

(Job Special Provisions shall prevail over Specification and/or General Provisions whenever in conflict therewith)

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JSP-26	Field Hardened Managed Network Switch
JSP-27	CCTV Camera Integration
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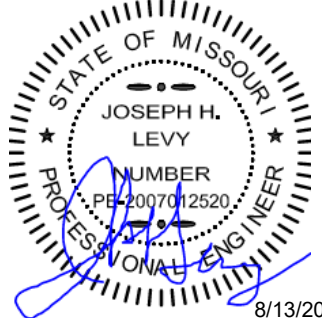
JSP-31	Removal of Existing Signal Equipment
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JSP-62	MoDOT ITS Equipment Within Project Limits
JSP-63	Coordination With MoDOT ITS Staff and Utility Locates
JSP-64	Stone Seating, Installation Only
JSP-65	Decorative Concrete Pavement

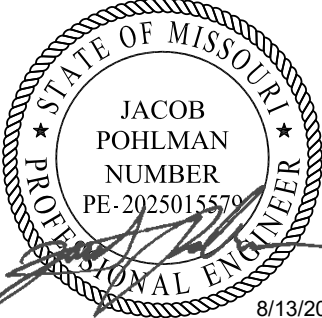
MoDOT JSP-09-02L	Additional General Provisions
MoDOT LPA-15-03	Add Alternate Sections
MoDOT LPA-15-07B	ADA Compliance and Final Acceptance of Constructed Facilities
MoDOT JSP-18-01KK	Supplemental Revisions

ATTACHMENTS

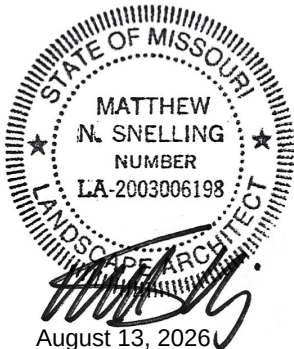
1. MoDOT LPA Permit Process
2. MoDOT Local Programs Permit Request Form
3. Geotechnical Report
4. GRG Brickline Signage Guidelines
5. BPS Permit Approval
6. MSD Permit Approval
7. Workmanship Warranty List
8. VA Ameren Project Overlay

	Landscape Architect of Record: SmithGroup 35 East Wacker Drive, Suite 900 Chicago, IL 60601 312.641.0770 Hannah M. Higgins, PLA Missouri License: PLA-2024012592
Only the following items of the Job Special Provisions are authenticated by this seal: JSP-01 through JSP-04, JSP-15, JSP-39 through JSP-50, and JSP-64 through JSP-65.	

	Civil Engineer/Engineer of Record: David Mason and Associates 800 South Vandeventer Avenue St. Louis, MO 63110 314.534.1030 Joseph H. Levy, P.E. Missouri License: PE-2007012520
Only the following items of the Job Special Provisions are authenticated by this seal: JSP-05 through JSP-14 and JSP-16 through JSP-17.	

	Electrical Engineer: SmithGroup 35 East Wacker Drive, Suite 900 Chicago, IL 60601 312.641.0770 Jacob Pohlman, P.E. Missouri License: PE-2011007363
Only the following items of the Job Special Provisions are authenticated by this seal: JSP-18 through JSP-20.	

 8/13/2026	Traffic Engineer: Lochmueller Group 399 S SPRING AVE STE 208B ST LOUIS, MO 63110 314.621.3395 Tyson W. King, P.E. Missouri License: PE-2008002177
Only the following items of the Job Special Provisions are authenticated by this seal: JSP-21 through JSP-37, JSP-58, and JSP-60 through JSP-63.	

 August 13, 2026	Landscape Architect: DTLS, Inc. 3101 Olive Street St. Louis, MO 63103 Consultant Phone: 314-534-4000 Matthew N. Snelling, PLA Missouri License: LA-2003006198
Only the following items of the Job Special Provisions are authenticated by this seal: JSP-51 through JSP-57.	

JSP-19 INSTALL LIGHTING EQUIPMENT

1.0 DESCRIPTION

Where indicated in the plans, the Contractor shall install new pedestrian-scale and roadway lighting equipment.

2.0 CONSTRUCTION REQUIREMENTS

2.1. New pedestrian and roadway lighting poles, bracket arms, acorn luminaires, and other miscellaneous hardware shall be provided per the details including in the plans. The required acorn luminaire model is shown in the details and shall be 4000K in light temperature. Shop drawings for all proposed lighting shall be provided to the Engineer for approval prior to procurement.

2.2. New roadway and pedestrian lighting poles (and for areas where mounted onto signal poles) shall include a GE Evolve cobra head luminaire, model ERL1 07B540, 4000K color temperature. When attached to a signal pole or roadway pole for road lighting, fixture head shall be attached to a 6'-0" wide arm mount.

2.3. New bollard lighting fixtures shall be 5" diameter, 45" height, with 360-degree symmetrical optic. Fixture with silver finish, integral driver. B.O.D. per schedule: Forms and Surfaces, Light Column Series 500. Provide concrete footing and manufacturer provided mounting bracket and anchors.

2.4. Provide timeclock control for plaza lighting.

2.5. New lighting poles and lighting fixtures to be coordinated with local rep prior to purchase to ensure all selections meet the must up to date City of St. Louis standards:

A. Brian Brader, (314)922-3766, Brian@SimplyBrightIdeas.com

2.6. Construction and installation of streetlights and appurtenances are subject to regulation by the City of St. Louis Traffic and Lighting Division and the following publications.

- A. 1996 BPS Street Lighting Design Guide, including attachment: Technical Specifications for Street Lighting, 1982.
- B. City of Saint Louis Streetlight and Utility Pole Specification, July 22, 2019, Revision 3 and Addendum #1

3.0 INSTALLATION

3.1. Excavation and backfilling of material as part of the direct bury poles shall follow recommendations of the pole manufacturers. At the bottom of the excavation, 4"-6" of course gravel shall be placed as a setting pad. Required embedment of the pole shall not include this setting pad depth. Backfill material shall be cementitious earth backfill, concrete or limestone screenings pneumatically tamped in 4" lifts.

3.2. The Contractor shall remove, modify, and install lighting along the corridor such that, at a minimum, existing light levels are provided at the end of each workday. Staging of the lighting work will not be allowed to cause existing or proposed lighting to be unavailable for partial blocks or complete blocks at the end of a given day at any point in the project. This may require measures such as temporary electrical power (i.e. portable generators, etc.) and

temporary breaker panels. All demolished or removed materials shall be removed from the project area at the completion of each workday for any opened roadways or sidewalks.

- 3.3. For instances where adjacent sidewalk, roadway, or ramp pavement is removed and replaced, the Contractor shall adjust any existing lighting pullboxes to grade. This work may also entail stabilizing existing light poles during pavement construction. Any existing pullboxes or poles damaged during adjustment, stabilization, or construction of lighting elements shall be replaced at the Contractor's expense.
- 3.4. New or adjusted lighting pullboxes shall be made flush with the adjacent sidewalk pavement. Grinding of pullbox tops or edges is not an acceptable method for meeting this requirement.
- 3.5. Conduits shall be run from the identified substations along or near Spring Avenue as shown on the plans. Power shall be delivered to the light poles approximately as shown on the plans, unless an alternate path is proposed by the Contractor and approved by the Engineer. The Contractor shall attach an additional approved NEMA 4X cabinet to open wall space in the existing substation vaults. The new panel shall not be located directly below either grate opening over the vault. Necessary contactors, circuit breakers, and miscellaneous wire and hardware are included in the unit bid price for Substation Cabinet & Panel. Proposed concrete anchor materials and methods shall be submitted prior to procurement, and approved by the Engineer. Rigid conduit shall be installed from the new cabinet to a point near the existing transformer. Connection to existing transformers shall be coordinated with the City's lighting electricians at least one week prior to proposed connection date. The Contractor shall provide all supervision, labor, materials, equipment, machinery, and any and all other items necessary to make a complete and fully operational system.
- 3.6. Work and materials shall conform to the rules of the National Board of Fire Underwriters' Code and the Regulations of the State Fire Marshal. Nothing in these specifications shall be construed to permit work not conforming to the most stringent of applicable codes. The currently adopted version of the National Electric Code (NEC), is the local electric code, and the electrical requirements as established by the State and Local Fire Marshal, and rules and regulations of the power company serving the project, are hereby made part of this specification. Should any changes be necessary in the drawings or specifications to make the work comply with these requirements, the Contractor shall notify the Engineer.
- 3.7. The entire electrical system and all electrical equipment shall be grounded in strict accordance with the City's currently adopted edition of the National Electrical Code. After installing grounding system but before permanent electrical circuits have been energized, test for compliance with requirements. Inspect physical and mechanical condition. Verify tightness of accessible, bolted, electrical connections with a calibrated torque wrench according to manufacturer's written instructions. Test completed grounding system at each location where a maximum ground resistance level is specified, at service disconnect enclosure grounding terminal, and at individual ground rods and as directed by the Engineer. Make tests at ground rods before any conductors are connected. Measure ground resistance no fewer than two full days after last trace of precipitation and without soil being moistened by any means other than natural drainage or seepage and without chemical treatment or other artificial means of reducing natural ground resistance. Perform tests by fall-of-potential method according to IEEE 81. If resistance to ground exceeds specified values, notify the Engineer promptly and include recommendations to reduce ground resistance.
- 3.8. Conductors shall be color-coded either by insulation at the manufacturer, or by means of conductor tape at each pullbox, pole base, or terminal block.

- 3.9. Spliced shall be compatible with conductor material and possess equivalent or better mechanical strength and insulation ratings than unspliced conductors. All splice kits shall be waterproof.
- 3.10. For each conductor entering a pullbox, light pole, or other accessible locations, at least 12 inches of slack shall be stored.
- 3.11. Install conduit sealing compound to all open conduit ends.
- 3.12. Lighting pullboxes shall have a nonskid finish, and include cover labels stating, "Street Lighting".
- 3.13. The contractor shall submit product warranty documents to the engineer prior to acceptance of the work.

4.0 BASIS OF PAYMENT

This work shall include all labor, equipment, and transportation of materials as part of pay items:

- A. STREEET LIGHT POLE (RP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION, per each.
- B. STREET LIGHT POLE (GRP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION, per each.
- C. STREET LIGHT PIPE ARM, LUMINAIRE (SB2) ON SIGNAL POLE (SP), per each,
- D. PLAZA PATHWAY BOLLARD (B1), MOUNTING BRACKET, LUMINAIRE, **TIMECLOCK CONTROLS, CONCRETE FOOTING FOUNDATION**, per each.

END JSP-19

JSP-20 ELECTRICAL POWER SUPPLY

1.0 DESCRIPTION

This item shall consist of furnishing and installing a power supply to provide 480/277 volt power for both roadway and pedestrian lighting as they all utilize the city standard fixture head and poles. Existing utility meter and substation to be installed onto new pole. New panelboard and circuits to be provided. The utility assemblies shall be pole mounted and powered by new conductors connecting to existing utility facilities feeds fed from a new city provided pole. Provide all cables and conduit necessary. Coordination with the utility company for switch- over between existing and new service will be the responsibility of the contractor. All work shall conform to Section 902, as drawn in the plans, and detailed below.

Additional power supply to provide 120/240-volt power for miscellaneous power (typical at plaza locations). New utility meter to be installed at panelboard enclosure location. New utility substation required. Coordinate with utility for final service requirements and provide all work and costs as required. New panelboard and circuits to be provided. New pad mounted NEMA 4x enclosure to house the panelboard.

2.0 CONSTRUCTION REQUIREMENTS

- 2.1. Lighting panelboard shall be provided in pole mounted lockable NEMA 4X enclosure and shall be 480/277V with 24 available breakers.
- 2.2. Power panelboard shall be provided in pad mounted lockable NEMA 4X enclosure and shall be 120/240V with available breakers per drawings.
- 2.3. Must meet all requirements of City of St. Louis Streetlight and Utility Pole Specifications – Sealed Rev. 3 7-22-19 and Addendum #1.
- 2.4. The contractor shall submit product warranty documents to the engineer prior to acceptance of the work.

3.0 BASIS OF PAYMENT

- 3.1 This work shall be paid for at the contract unit price for “ELECTRICAL POWER SUPPLY - LIGHTING/POWER PANELBOARD AND PAD MOUNTED ENCLOSURE, CONCRETE FOOTING FOUNDATION; ELECTRICAL POWER SUPPLY - ENCLOSURE RECEPTACLE; and ELECTRICAL POWER SUPPLY - NEMA 3R HEAVY DUTY DISCONNECT SWITCH”, per each.
- 3.2 The completed work as described includes all equipment, labor and materials necessary for completed installation, including mounting hardware, strut frame, and connections.

END OF JSP-20

JSP-41 CONCRETE PAVEMENT

1.0 DESCRIPTION

- 1.1 This work shall consist of constructing concrete pavement, or a concrete base pavement. Concrete pavements shall conform to the requirements Sec 501 and Sec 502 except as modified herein. Aggregate base course shall conform to the requirements Sec 304. Section includes:
- A. CONCRETE PAVEMENT (SIDEWALKS)
 - B. CONCRETE PAVEMENT (SHARED USE PATH)
 - C. HEAVY DUTY CONCRETE PAVEMENT (SHARED USE PATH)
 - D. HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSINGS/DRIVEWAYS)
 - E. CONCRETE ROADWAY (PATCHING)

2.0 CONSTRUCTION REQUIREMENTS

- 2.1 Concrete materials shall meet the requirements of Sec 501 and Sec 502 except as modified herein.
- 2.2 Concrete Grade 4,000 (4,000 psi at 28 days). All concrete finish types shall be the same concrete mix, contain the same coarse and fine aggregates and shall NOT have any changes in concrete admixtures.
- 2.3 Curing Compound. Curing compound shall be Type 1, clear, conforming to ASTM C-309.
- 2.4 Joint Sealant to be a 2-component, premium grade, polyurethane based elastomeric sealant in a non-sag consistency. Color to be submitted for Engineer review and approval. Joint sealant to be Sikaflex 2cNS, Sonneborn NP2 or equal as approved by the Engineer.
- 2.5 Submit the following documents to the Engineer for review and approval prior to proceeding with construction of Concrete Pavements:
- A. Concrete mix design
 - B. Curing Method and Materials
 - C. Joint Sealant and Color Samples
 - D. Synthetic Fiber Reinforcement
- 2.6 Synthetic Fiber Reinforcement: Monofilament polypropylene fibers engineered and designed for use in concrete paving, complying with ASTM C 1116/C 1116M, Type III, [1/2 to 1-1/2 inches (13 to 38 mm)] long.

3.0 EXECUTION

- 3.1. Concrete Pavement pay items include excavating, backfilling, compacting and grading as shown on plans and details. Dispose of excess and unsuitable material at NO additional cost. Excavation and general site fill shall be included. Provide Aggregate Base, 21AA material per plans and details from off-site sources.
- 3.2. Installer Qualifications. The installer shall have a minimum of 5 years' experience in concrete pavement with the finishes and joint types indicated and successfully completed

not less than 6 projects comparable in scale and complexity. Documented proof that the proposed installer has a 5-year proven record of performance, confirmed by at least 3 local projects that the Engineer can examine.

3.3. Project Conditions. Concrete placement shall be installed within the following environmental requirements:

- A. Maintain an ambient temperature of between 50 degrees F and 90 degrees F during application and at least 48 hours after application. Do not place concrete when the temperature of the surrounding air is expected to be below 40 degrees F during placing or within 24 hours thereafter. Do not allow the temperature of plastic concrete to drop below 55 degrees F.
- B. When the mean daily temperature of the atmosphere is 80 degrees F and above, or during hot and dry weather, do not place concrete with a placing temperature which causes difficulty from loss of slump, flash set or cold joints 75 degrees F where possible and not more than 90 degrees F in any event. Where climatic conditions cause too rapid drying, make arrangements prior to placing concrete for installation of wind breaks, shading, fog spraying, water sprinkling, ponding or wet covering of a light color. Take such protective measures as quickly as concrete hardening and finishing operation allow and maintain throughout the entire curing period.

3.4. Synthetic Fiber: Uniformly disperse in concrete mixture at manufacturer's recommended rate, but not less than 1.0 lb/cu. yd. (0.60 kg/cu. M).

3.5. Slope sidewalks as shown on plans and details. Construct concrete pavements to ADA slope requirements where located as an ADA accessible path.

3.6. All exposed portions of concrete pavement shall conform to the following surface texture unless otherwise detailed on plans, without imperfections, chips, marks, and holes:

CONCRETE ITEM	REQUIRED SURFACE TEXTURE
Street Pavement	Wire Comb—Perpendicular to the direction of traffic. (Coarse broom on streets with low traffic volume)
Alley Pavement/Aprons	Medium broom—Perpendicular to direction of traffic
Driveways, Medians	Median broom—Perpendicular to direction of traffic.
Curbs, Gutters	Medium broom—Parallel to curb.
Finney Plaza, Residential Sidewalks	Magnesium float, Exposed aggregate.
Commercial Sidewalks	Medium broom or mag float—Perpendicular to direction of traffic, exposed aggregate.
Curb Ramps	Medium broom—Perpendicular to slope of ramp.
Base Concrete	Rough, closed.

- A. Provide a medium broom finish by striating float-finished concrete surface 1/16 to 1/8 inch (1.6 to 3 mm) deep with a stiff-bristled broom.
- B. Medium broom finish to be provided perpendicular to the primary direction of travel.

3.7. Concrete pavement joints shall be constructed and located as shown on plans.

3.8. Restore area disturbed beyond actual concrete pavement to pre-construction conditions or

as shown on plans. No separate payment will be made for such restoration but is considered part of this work item.

3.9. Lawn sprinkler/irrigation systems, if encountered, shall be protected by the Contractor at no extra cost. Lawn sprinkler/irrigation systems that require adjustments and/or relocations shall be provided at no additional cost.

3.10. Field Quality Control – Testing and inspecting will be carried out by Owner. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

4.0 BASIS OF PAYMENT

4.1. The completed work, as described, will be measured and paid for at the contract unit price by square foot for "CONCRETE PAVEMENT (SIDEWALKS); CONCRETE PAVEMENT (SHARED USE PATH); HEAVY DUTY CONCRETE PAVEMENT (SHARED USE PATH); HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSWALKS/DRIVEWAYS); and CONCRETE ROADWAY (PATCHING)."

4.2. The contract unit price will be payment in full for furnishing all materials, labor, and equipment necessary to construct the concrete pavement. Sawcutting, earth excavation, grading, embankment, compaction, control joints, sealed expansion joints, sealant, reinforcement, tie bars, finishing, aggregate base, and other items which may be required shall be considered included in the construction and will not be paid for separately.

4.3. Any extra costs including but not limited to additional labor, materials, and equipment incurred by the contractor due to cold weather protection requirements will not be paid for separately and are considered included in the construction and will not be paid for separately. The contractor shall include all costs required to complete the construction activities per the construction milestone dates identified and in the bidding proposal.

4.4. Removal of the existing curb, pavement, and sidewalk will be paid separately. Backfill with Aggregate Base (21 AA) will be paid separately.

END OF JSP-41

JSP-45 LANDSCAPE STONE

1.0 GENERAL

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.1 SUMMARY

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Stone steppers.
 - 2. Stone infill.
 - 3. Aggregate base.
 - 4. Geotextile filter fabric.
 - 5. Stone Edging.

1.2 SUBMITTALS

- A. Product Data: For each of the following specified products:
 - 1. Stone steppers.
 - 2. Stone infill.
 - 3. Geotextile filter fabric.
 - 4. Stone Edging.
- B. Samples for Initial Selection and Verification:
 - 1. Stone infill. Submit one gallon size container for each type of stone infill indicated.
 - 2. Stone steppers. Submit sets of samples not less than 12" x 12" in size of each different color, grade and finish of stonework required. Include in each set full range of exposed color and texture to be expected in completed work.
- C. Qualification Data: For firms and persons specified in the "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of Architects and Owners, and other information specified.

1.3 QUALITY ASSURANCE

- A. Landscape Stonework Contractor Qualifications: Engage an experienced Landscape Stonework Contractor who has completed naturalized landscape stonework similar in material, design, and extent to that indicated for Project that has resulted in construction with a record of successful in-service performance.
- B. Project Superintendent: The Landscape Stonework Contractor shall engage an experienced project superintendent who has been responsible for supervising and directing naturalized landscape stonework construction similar in material, design, and extent to that indicated for Project that has resulted in construction with a record of successful in-service performance.
- C. Source Quality Control:
 - 1. Obtain each type of stone or gravel from one source with resources to provide materials and products of consistent quality in appearance and physical properties.
 - 2. Subcontract fabrication of stone to a firm which has successfully fabricated stone similar to the quality specified for a period of not less than 5 years and is equipped to provide the quantity shown.

- D. Job Mock-Ups:
Prior to installation of stonework, provide sample arrangement, with proposed range of size, color, texture and workmanship to be expected in completed work. Build mock-up at site, as directed, using stone, setting procedures and jointing, as shown and specified in accordance with final shop drawings. One mock-up to be provided:
 - 1. Stone steppers and stone infill with stone edging, 8'x8' area minimum.
- E. Obtain Architect's acceptance of visual qualities of samples before start of stonework. Replace unsatisfactory mock-up work, as directed, until acceptable to Architect. Retain samples during construction as a standard quality of workmanship. Do not alter, move or destroy mock-up until work is completed.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. The Contractor shall provide all equipment, labor, tools, and other incidental items required to unload and stockpile all natural stone materials delivered to the Project Site.
 - 1. The Construction Manager will provide a minimum of 3 working days notice to the Contractor when deliveries of natural stone materials are anticipated.
 - 2. The Contractor shall inspect, classify and assign a stone inventory identifier for all natural stone materials that are delivered to the site.
 - 3. The Contractor shall keep a current inventory of all stone materials delivered to the site, which shall include stone classification, identifier number, and stockpile location.
- B. Protect stone during storage and construction against moisture, soiling, staining and physical damage.
- C. Do not use pinch or wrecking bars without protecting edges of stone with wood or other rigid materials. Lift with wide-belt type slings; do not use wire rope or ropes containing tar or other substances which might cause staining. If required, use wood rollers and provide cushion at end of wood slides.
- D. Store stone on wood skids or pallets, covered with non-staining, waterproof membrane. Place and stack skids and stones to distribute weight evenly and to prevent breakage or cracking of stones. Protect stored stone from weather with waterproof, non- staining covers or enclosures, but allow air to circulate around stones.
- E. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.
- F. Store and handle geotextiles according to ASTM D 4873.

2.0 PRODUCTS

2.1 GENERAL

- A. Materials Supplied by the Stonework Contractor: All landscape stone materials will be furnished and transported to the site by the Stonework Contractor. The Contractor shall furnish at their cost all manpower, equipment, tools, and incidental materials necessary to receive and unload all naturalized landscape stone deliveries.

2.2 MANUFACTURERS

Subject to compliance with requirements, provide products by the following manufacturers:

- A. Phenix Marble Company; <https://www.phenixmarble.com/>
- B. Earthworks; <https://earthworksstone.com/>

- C. Semco; <https://www.semcostone.com/>
- D. Or approved equal.

2.3 LANDSCAPE STONE

- A. Cut Stone Steppers: Phenix Limestone. Smooth texture, shades of cool gray to buff. 1.5" to 2" thickness; 12"x24".
- B. Stone Infill: Incidental to Stone Steppers. Decorative stone sizes up to 3/8" to 3/4". Color range: shades of medium-dark gray, with limited buff and tan.

2.4 INSTALLATION MATERIALS

- A. Aggregate base: Sound, crushed stone or gravel complying with ASTM D 2940/D 2940M, subbase material.
- B. Geotextile filter fabric: 8 oz/S.Y., nonwoven pervious geotextile manufactured from polypropylene fibers by Carthage Mills, 4243 Hunt Road, Cincinnati, Ohio 45242, phone number 800-543-4430 or approved equal, as follows:
 - 1. Apparent Opening Size: No. 80 (0.18 mm) per ASTM D 4751.
 - 2. Permeability: 150 gpm/sq. ft. (100 L/s x sq. m) per ASTM D 4491.
- C. Stone Edging: CleanLine XL 3/16"x5", 0.116" thick by Permaloc Corporation, 13505 Barry St, Holland, MI 49424, (616) 399-9600 or approved equal.

3.0 EXECUTION

3.1 GENERAL REQUIREMENTS

- A. Contractor shall consult with the Project Architect during the construction to insure the proper interpretation and implementation of the drawings and specifications. Work not complying with the drawings or specifications shall be removed and replaced at the expense of the Contractor.

3.2 FIELD QUALITY CONTROL

- A. The Contractor shall construct the landscape stonework features in accordance with the Contract Documents.

3.3 STONE INSTALLATION

- A. Cut stone steppers.
 - 1. Excavate and compact subgrade to dimensions as indicated on the Drawings.
 - 2. Place and compact aggregate base.
 - 3. Set stone in accordance with drawings.
 - 4. Erect plumb and true with accurate alignment.
- B. Stone Infill.
 - 1. Excavate and compact subgrade to dimensions as indicated on the Drawings.
 - 2. Place filter fabric on compacted subgrade to full width of area receiving gravel mulch.

3. Spread stone infill over filter fabric to a thickness as indicated on the Drawings. Take care to have no exposed filter fabric or excess stone edging showing at edges of stone infill.

3.4 ADJUSTING AND CLEANING

- A. Remove and replace landscape stonework construction of the following description:
 1. Broken, chipped, stained, or otherwise damaged stonework; which changes the character or previous classification of the stone. Landscape stone may be repaired or repositioned if methods and results are approved by the Project Landscape Architect.
 2. Landscape stonework features not matching approved models and drawings.
 3. Landscape stonework construction not complying with other requirements indicated.
- B. Replace in a manner that results in landscape stonework construction matching approved drawings complying with other requirements, and showing no evidence of replacement.

4.0 BASIS OF PAYMENT

- 4.1 Payment for the labor, material, and equipment necessary to install Landscape Stone, as shown in the plans, shall be paid for at the unit bid prices for each item, as indicated below:
 - A. CUT STONE STEPPERS; per square foot.
 - B. STONE EDGING; per linear foot.
- 4.2 The completed work as described includes all equipment, labor and materials necessary for completed installation.
- 4.3 Payment for labor, materials, and equipment associated with any of the identified requirements, provisions, and work indicated by the Job Special Provisions, the Construction Drawings, and other references to Landscape Stone in the Construction Documents not paid for separately and/or not specifically identified as a specific pay item shall be incidental to the Landscape Stone pay items. This includes but is not limited to the following: submittals, permitting, coordination, testing, as-built plans, tools, cleaning and other related items.

END OF JSP-45

JSP-64 STONE SEATING, INSTALLATION ONLY

1.0 GENERAL

1.1 SUMMARY

- A. Section includes GRANITE CHAIR, INSTALLATION ONLY, STONE BENCH, 24"x60", INSTALLATION ONLY, LARGE STONE CUBE, 24", INSTALLATION ONLY, SMALL STONE CUBE, 18", INSTALLATION ONLY as indicated on the drawings.
- B. Extent of stonework is indicated on the Drawings and specified herein. Work under this Section includes, but is not limited to, the following:
 - 1. Owner will furnish stone seating elements; fabrication is by others. Contractor shall receive, handle, protect, hoist, set, align, anchor, and install the Granite Chair, Stone Bench 24"x60", Large Stone Cube 24", and Small Stone Cube 18", complete in place, as indicated on the Drawings and specified herein.
 - 2. Contractor shall coordinate the Work with the artist furnishing the stone seating elements, including attendance at one coordination meeting.
 - 3. Provide anti-graffiti coating, sealants, caulking, anchors, fasteners, and related accessories required to provide a secure, complete, and watertight installation.

1.2 ACTION SUBMITTALS

- A. Installation Plan: Provide a plan for installation, including all machinery anticipated to be used during installation.
- B. Product Data: For anchoring products and anti-graffiti coating.

1.1 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle materials to prevent deterioration or damage.
 - 1. Stone shall be carefully packed and loaded for shipment using reasonable care and customary precautions against damage in transit. Material, which may cause staining or discoloration shall not be used for blocking or packing.
 - 2. Any damage from shipping must be immediately reported to the client's representative.

1.2 QUALITY ASSURANCE

- A. Installer Qualifications: An installer who employs experienced stone fitters who are skilled in installing stone walls similar in material, design, and extent to those indicated for this Project and whose projects have a record of successful in-service performance.

1.3 COORDINATION

- A. Verification: Field verify intended locations for installation of Granite Chair, Installation only, Stone Bench 24"x60", Installation Only, Large Stone Cube, 24", installation only, and small stone cube, 18", installation only. Notify landscape architect of any discrepancies prior to installation.

1.2 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabricator's instructions and recommendations for delivery, storage, and handling requirements.
- B. Stone seating elements will be delivered to the project site and unloaded by others. Contractor shall assume responsibility for stone seating items upon receipt at the project site.
- C. Store and handle stone and related materials to prevent deterioration or damage due to moisture, temperature changes, contaminants, corrosion, breakage, chipping, or cracking.
 - 1. Do not use pinch or wrecking bars to move stone units.

2. Lift stones with wide belt-type slings where possible. Do not use wire rope or ropes containing tar or other stain-causing substances. Use cushion-protected wood rollers and lifting devices when required to move stone.
3. Store stones on protected wood skids or pallets, covered with nonstaining, water-protective membrane. Place skids and stack stones to distribute weight evenly and to prevent stones from breaking or cracking.
4. Cover and protect stones on wood skids or pallets, covered with nonstaining, water-protective membrane. Allow air to circulate around stones.

1.3 FIELD CONDITIONS

- A. When stone is set at 40 deg F. and below, comply with the requirements for "Cold Weather Masonry Construction And Protection Recommendations" by the International Masonry Industry All-Weather Council.
- B. Maintain minimum ambient temperatures of 50 deg F (10 deg C) during installation and for 7 days after completion for interior stone work, unless higher temperatures are required by fabricator or supplier instructions.

1.4 SEQUENCING AND SCHEDULING

- A. Sequence stone installation with adjoining and related work to minimize damage and soiling during construction.

1.5 JOB CONDITIONS

- A. Installer must review installation procedures and coordinate with other work, with Contractor, and other contractors and subcontractors whose work will be affected by stonework.
- B. Cold Weather Protection: Remove any ice or snow formed on stonework bed by carefully applying heat until top surface is dry to touch. Remove stonework determined to be damaged by freezing conditions.
- C. Do not use frozen materials or materials mixed or coated with ice or frost. Do not use salt to thaw ice in anchor holes or slots.
- D. During all seasons, protect partially completed stonework against weather when work is not in progress. Cover top of walls with strong waterproof, non-staining membrane extending at least 2' down both sides of walls and anchor securely in place, taking care not to direct or allow runoff into cavities or within internal construction.

2.0 PRODUCTS

2.1 STONE, GENERAL

- A. Install stone element that is free of cracks, seams, and starts impairing structural integrity or function:

2.2 MATERIALS

- A. Supplier: All stone elements will be provided by Owner. Coordination of delivery of elements to the construction site is required.
- B. Granite Chair:
 1. Location: Refer to drawings.
 2. Finish: Refer to drawings.
 3. Nominal Dimensions: Approx. 37 inches high by 25 inches wide by 28 inches long.
 4. Approximate Weight: 750 lbs.
 5. Prepare site per plans. Contractor shall receive, handle, protect, hoist, set, align, and install item complete in place as shown on the drawings and as specified herein.
 6. Secure the item with stainless steel anchors embedded in concrete and installed using epoxy adhesive in accordance with the manufacturer's recommendations.

- C. Stone Bench 24"x60":
 - 1. Location: Refer to drawings.
 - 2. Finish: Refer to drawings.
 - 3. Nominal Dimensions: Approximately 24 inches high by 24 inches wide by 60 inches long.
 - 4. Prepare site per plans. Contractor shall receive, handle, protect, hoist, set, align, and install item, complete in place, as shown on the drawings and as specified herein.
- D. Large Stone Cube, 24":
 - 1. Location: Refer to drawings.
 - 2. Finish: Refer to drawings.
 - 3. Nominal Dimensions: Approximately 24 inches high by 24 inches wide by 24 inches long.
 - 4. Prepare site per plans. Contractor shall receive, handle, protect, hoist, set, align, and install item, complete in place, as shown on the drawings and as specified herein.
- E. Small Stone Cube, 18":
 - 1. Location: Refer to drawings.
 - 2. Finish: Refer to drawings.
 - 3. Nominal Dimensions: Approximately 18 inches high by 18 inches wide by 18 inches long.
- F. Anti-Graffiti Coating:
 - 1. Provide a clear, UV-stable permanent anti-graffiti coating specifically formulated for natural stone. Coating shall not alter the appearance, color, gloss, or vapor permeability of the substrate to all stone seating elements.
 - 2. Product data to be provided for review and approval by landscape architect.
 - 3. Apply per manufacturer recommendations.

2.3 ANCHORS AND FASTENERS

- A. Stone Anchors: Type and size as required to securely anchor and fasten stonework in place. Fabricate anchors and dowels from ASTM A666 Type 302/304 stainless steel. Fasteners required to connect anchors to supports also to be stainless steel. Fasteners to be tamper resistant.
- B. Dowels: AISI Type 304 stainless steel. Sizes as required to provide permanent anchorage.

2.4 MORTAR AND GROUT

- A. Cement: Provide white cement as follows:
 - 1. Portland Cement: ASTM C 150, except complying with the staining requirements of ASTM C 91 for not more than 0.03% water soluble alkali. Furnish Type I, except Type III may be used for setting stonework in cold weather.
- B. Masonry Cement: ASTM C 91, non-staining.
- C. Water: Potable.

2.5 STONE ACCESSORIES

- A. Setting Buttons: Resilient plastic buttons, nonstaining to stone, sized to suit joint thicknesses and bed depths of stone facing.
- B. Cleaner: Provide stone cleaners specifically formulated for stone types, finishes, and applications indicated as recommended by stone producer. Do not use cleaning agents containing acid or cleaning compounds and solutions containing caustic or harsh fillers, except where expressed by written approval from stone producer for stone type condition.
- C. Shims: Soft plastic pads of the thickness required for the joint size indicated, and of the size required to maintain uniform joint width and alignment.

3.0 EXECUTION

3.1 EXAMINATION

- A. Examine finished surfaces and grades before commencing work. Do not begin work until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Advise Installers of other work about specific requirements relating to placement of inserts, supports and flashing reglets which are to be used by stone installer for anchoring and supporting and flashing of stonework. Furnish Installers of other work with drawings or templates showing location of inserts for stone anchors and supports, as required under "Submittals".
- B. Examine the substrates, adjoining construction, and the conditions under which the Work is to be installed, including equipment provided by others for the use of the Contractor performing Work under this Section. Do not proceed with the Work until unsatisfactory conditions have been corrected. Proceeding with the Work without identifying deficiencies indicates acceptance of the conditions.
- C. For stone seat installation, verify layout, grades, bearing surfaces, access, clearances, equipment requirements, and setting conditions shown on the plans prior to receiving and installing the granite seat. Do not proceed until conditions are acceptable for safe handling and installation of the stone seating.
- D. Clean stone surfaces prior to setting to remove soil, stains, and foreign materials. Clean stones by thoroughly scrubbing stones with fiber brushes followed by a thorough drenching with clear water. Use only mild cleaning compounds that contain no caustic or harsh fillers or abrasives.

3.3 ADJUSTING, CLEANING, AND SEALING

- A. Remove and replace stone units that are broken, stained, or otherwise damaged. Provide new matching units and install as specified.
- B. Clean stone work not less than 7days after completion of the project. Use clean water.
- C. Adjust stones with input from Landscape Architect to enhance the aesthetic effect.
- D. Upon completion of the work, remove all excess materials, debris tools, and equipment from the site. Repair damage resulting from landscape stone work operations.

3.4 PROTECTION

- A. Protect stone surfaces, edges, and corners from construction damage. Use securely fastened untreated wood, plywood, or heavy cardboard to prevent damage.
- B. Before inspection for Substantial Completion, remove protective covering and clean surfaces using procedures, products, and materials recommended by stone producer.

4.0 BASIS OF PAYMENT

- 4.1 The accepted quantities of Stone Seating shall be paid for at the contract unit price per each unit for items **GRANITE CHAIR, INSTALLATION ONLY, STONE BENCH, 24"x60", INSTALLATION ONLY, LARGE STONE CUBE, 24", INSTALLATION ONLY, SMALL STONE CUBE, 18", INSTALLATION ONLY** which will include all labor, material, site preparation per plans, receiving, handling, hoisting, setting, installation, anchorage or bedding as required, equipment, and disposal costs necessary to receive and install each item, complete in place as drawn and specified.

END OF JSP-64

JSP-65 DECORATIVE CONCRETE PAVEMENT

1.0 DESCRIPTION

- 1.1 This work shall consist of constructing decorative concrete pavement. Concrete pavements shall conform to JSP- the requirements Sec 501 and Sec 502 except as modified herein. Aggregate base course shall conform to the requirements Sec 304. Section includes:

A. CONCRETE PAVEMENT WITH EXPOSED AGGREGATE

- 1.2 Related Sections:

- A. JSP-41 Concrete Pavement for cast-in-place concrete paving with other finishes.
B. JSP-42 Pavement Joint Sealants for joint sealants in expansion and contraction joints within decorative concrete paving and in joints between decorative concrete paving and other paving or adjacent construction.

2.0 CONSTRUCTION REQUIREMENTS

- 2.1 Concrete materials shall meet the requirements of Sec 501 and Sec 502 except as modified herein.
- 2.2 Concrete Grade 4,000 (4,000 psi at 28 days). All concrete finish types shall be the same concrete mix, contain the same coarse and fine aggregates and shall NOT have any changes in concrete admixtures.
- 2.3 Curing Compound. Curing compound shall be Type 1, clear, conforming to ASTM C-309.
- 2.4 Joint Sealant to be a 2-component, premium grade, polyurethane based elastomeric sealant in a non-sag consistency. Color to be submitted for Engineer review and approval. Joint sealant to be Sikaflex 2cNS, Sonneborn NP2 or equal as approved by the Engineer.
- 2.5 Submit the following documents to the Engineer for review and approval prior to proceeding with construction of Decorative Concrete Pavements:
- A. Concrete mix design
B. Curing Method and Materials
C. Joint Sealant and Color Samples
D. Steel fiber reinforcement content.
E. Intended placement method.
F. Submit alternate design mixtures when characteristics of materials, mixture proportions, Project conditions, weather, test data for materials and concrete mixtures, or other circumstances warrant adjustments.
- 2.6 Samples for verification: Submit the following
- A. Exposed Aggregate: Provide 10-lb sample of mix.
- 2.4 Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
- A. Build mockups of full-thickness sections of decorative concrete paving to demonstrate typical joints; surface finish, texture, and color; curing; and standard of

workmanship.

- B. Build mockup of concrete paving in the location and of the size indicated or, if not indicated, build mockups where directed by Construction Manager and not less than 96 inches by 96 inches.
- C. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
- D. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

3.0 PRODUCTS

- 3.1. Normal-Weight Aggregates to be ASTM C33/C33M, Class 4S, uniformly graded. Provide aggregates from a single source.
 - A. Maximum Coarse-Aggregate Size: 3/4 inch (19 mm) nominal.
- 3.2. Exposed Aggregate: Selected, hard, and durable; washed; free of materials with deleterious reactivity to cement or that cause staining; from a single source, with gap-graded coarse aggregate as follows:
 - A. Size: TBD based on samples provided.
 - B. Phenix chips supplied by Phenix Marble Company; 417-840-2281; info@phenixmarble.com
- 3.3. Reinforcement: Plain-Steel Welded-Wire Reinforcement: ASTM A1064/A1064M, fabricated from steel wire into flat sheets.
- 3.4. Chemical Surface Retarder: Water-soluble, liquid, set retarder, for horizontal concrete surface application, capable of temporarily delaying final hardening of concrete to a depth of 1/8 to 1/4 inch (3 to 6 mm).

4.0 EXECUTION

- 4.1. Concrete Pavement pay items include excavating, backfilling, compacting and grading as shown on plans and details. Dispose of excess and unsuitable material at NO additional cost. Excavation and general site fill shall be included. Provide Aggregate Base, 21AA material per plans and details from off-site sources.
- 4.2. Installer Qualifications. The installer shall have a minimum of 5 years' experience in concrete pavement with the finishes and joint types indicated and successfully completed not less than 6 projects comparable in scale and complexity. Documented proof that the proposed installer has a 5-year proven record of performance, confirmed by at least 3 local projects that the Engineer can examine.
- 4.3. Project Conditions. Concrete placement shall be installed within the following environmental requirements:
 - A. Maintain an ambient temperature of between 50 degrees F and 90 degrees F during application and at least 48 hours after application. Do not place concrete when the temperature of the surrounding air is expected to be below 40 degrees F during placing or within 24 hours thereafter. Do not allow the temperature of plastic concrete to drop below 55 degrees F.

- B. When the mean daily temperature of the atmosphere is 80 degrees F and above, or during hot and dry weather, do not place concrete with a placing temperature which causes difficulty from loss of slump, flash set or cold joints 75 degrees F where possible and not more than 90 degrees F in any event. Where climatic conditions cause too rapid drying, make arrangements prior to placing concrete for installation of wind breaks, shading, fog spraying, water sprinkling, ponding or wet covering of a light color. Take such protective measures as quickly as concrete hardening and finishing operation allow and maintain throughout the entire curing period.
- 4.4. Slope sidewalks as shown on plans and details. Construct concrete pavements to ADA slope requirements where located as an ADA accessible path.
 - 4.5. Seeded Exposed-Aggregate Finish: Immediately after initial floating, spread a single layer of aggregate uniformly on paving surface. Tamp aggregate into plastic concrete and float finish to entirely embed aggregate with mortar cover of 1/16 inch (1.6 mm).
 - A. Spray-apply chemical surface retarder to paving according to manufacturer's written instructions.
 - B. Cover paving surface with plastic sheeting, sealing laps with tape, and remove sheeting when ready to continue finishing operations.
 - C. Without dislodging aggregate, remove mortar concealing the aggregate by lightly brushing surface with a stiff, nylon-bristle broom. Do not expose more than one-third of the average diameter of the aggregate and not more than one-half of the diameter of the smallest aggregate.
 - D. Fine-spray surface with water and brush. Repeat cycle of water flushing and brushing until cement film is removed from aggregate surfaces to depth required.
 - 4.6. Concrete pavement joints shall be constructed and located as shown on plans.
 - 4.7. Field Quality Control – Testing and inspecting will be carried out by Owner. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

5.0 BASIS OF PAYMENT

- 5.1. The completed work, as described, will be measured and paid for at the contract unit price by square foot for "CONCRETE PAVEMENT WITH EXPOSED AGGREGATE."
- 5.2. The contract unit price will be payment in full for furnishing all materials, labor, and equipment necessary to construct the concrete pavement. Sawcutting, earth excavation, grading, embankment, compaction, control joints, sealed expansion joints, sealant, reinforcement, tie bars, exposed aggregate finishing, aggregate base, and other items which may be required shall be considered included in the construction and will not be paid for separately.
- 5.3. Any extra costs including but not limited to additional labor, materials, and equipment incurred by the contractor due to cold weather protection requirements will not be paid for separately and are considered included in the construction and will not be paid for separately. The contractor shall include all costs required to complete the construction activities per the construction milestone dates identified and in the bidding proposal.

END OF JSP-65

MoDOT LPA-15-03
ADD ALTERNATE SECTIONS

1.0 Description. This contract requires bidders to bid on additional contract work that will be considered for award. The award of this project does not guarantee work for all add alternate sections.

Routes	Proposal Section Description
BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2 TAP-9901(688)	Base
Property Line Improvements at 1108 Redd Fox Lane	Add Alternate #1
Paver Crossing at Cardinal Ritter College Prep (CRCP)	Add Alternate #2

Note: See plans for a breakdown of all quantities for each add alternate section.

2.0 Consideration of Bids. The contractor shall submit a bid for each add alternate section. The *Developer* reserves the right to award, to the lowest responsible bidder, the combination of base plus add alternate section that will allow the most work to be completed within the Agency's budget. If the Agency chooses to exercise this right, the award of add alternate sections will be selected in accordance with the following priorities:

1. Base + Add Alt A
2. Base
3. **Base + Add Alt A + Add Alt B**

2.1 The Agency reserves the right to award the combination of highest priority add alternate sections over the Agency's budget as long as the low bidder does not change and the award of the combination of highest priority alternate sections does not exceed more than ten percent or \$250,000 of the Agency's budget, whichever is less.

2.2 The Agency's budget is the basis for award of add alternates but not the basis for award of the base section. The base section of the contract will be awarded or rejected in accordance with Sec 100.

3.0 Bid Bond Requirements. The contractor shall be required to obtain a bid bond for 5% of the total bid amount for the base bid and all add alternates. This bid bond will be considered applicable to the proposed work for any option.

4.0 DBE Goal. The DBE contract goal percentage specified in the Request for Bid applies to work completed for the base bid only unless otherwise stated.

4.1 The bidder shall submit the completed "DBE Identification Submittal" information in accordance with the bid documents for the total DBE participation percentage for the base bid.

4.2 The bid items in the add alternates may not be used toward DBE participation for the DBE goal on the base bid. This does not preclude DBE's from performing on add alternate items.

5.0 Basis of Payment. The accepted quantities of the chosen combination of base plus add alternate sections will be paid for by the contract unit bid price for item numbers found within the schedule of items for each section.

Great Rivers Greenway

Form 4: **CONTRACT**

This Contract is made and entered into the _____ day of **[Insert Month, Year]**,
by and between the Metropolitan Park and Recreation District d/b/a
The Great Rivers Greenway District (hereinafter referred to as the “Developer”) and
_____ (hereinafter referred to as the “**Contractor**”).

The parties hereto agree as follows:

1. **Scope of Work.** The Contractor will perform such work, including all labor, equipment and material as described in **Invitation to Bid (Form GRG 1)**, attached to this Contract. All work shall be performed as described in the “Contract Documents” defined in the **GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (Form GRG 5)** which shall be a part of this Contract.
2. **Contract Sum.** The Developer shall pay a total sum not to exceed _____ (\$_____) for the Scope of Work. The initial contract sum of \$_____ is based on the estimated quantities provided on the bid form submitted by Contractor at the unit prices contained therein, a copy of which is attached hereto as Exhibit A. The final contract sum payable hereunder shall be based on the Unit Price Pay Items and actual quantity measurements, where required.
3. **The Contract Time** for completion of the Work shall be as follows: Contractor shall achieve Substantial Completion of the Work no later than 390 consecutive calendar days after the Date of Commencement of the Work. days after the Date of Commencement of the Work. ~~Final Completion shall take place no later than 60 days after Substantial Completion.~~ Time shall be calculated in accordance with **GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (Form GRG 5)**.

~~Substantial Completion shall include all improvements, except for granite chair installation, and perennial and tree plantings. The contract may also include up to an additional 168 calendar-day period for Final Completion, to be completed no later than May 30, 2028, contingent upon Developer approval. This period of time may be used to complete granite chair installation, seasonal landscaping, including perennial and tree plantings, and final punchlist items. Work associated with Substantial Completion of the project may not be deferred beyond the original 390 calendar-day period.~~

Contractor shall submit applications for payment in the amount of the value of materials and labor incorporated in the Work, as approved by the Developer and Owner, less the aggregate amount of previous payments. From each application for

payment, Developer may withhold a “retained percentage” of five percent (5%) of the full amount requested. Within thirty (30) days after Substantial Completion, as determined pursuant to **GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (Form GRG 5)**, Developer shall release to Contractor ninety-eight percent (98%) of the retained percentage, less 150% of the amount necessary to complete any Punch List items and any other offsets or deductions permitted by the Contract Documents. As a condition precedent to Developer’s obligation to make any payment, Contractor shall submit partial and final lien waiver (as applicable) in the forms included in the Contract Documents as **Form GRG 6 and Form GRG 7**. Further, on any changes in the work, Great Rivers Greenway District allows a maximum of 10% markup for fees on any change order.

In all events, Developer shall pay Contractor not later than thirty (30) days after receipt of the application for payment.

4. **Liquidated Damages.** Contractor acknowledges and agrees that if Contractor fails to achieve Substantial Completion or Final Completion of the Work within the Contract Time as identified in this Contract, Developer will sustain disruption to its business, damages and losses as a result, the exact amount of which are difficult or impossible to quantify at the time of execution of this Contract. In such event, Developer shall be entitled to retain or recover from Contractor, as liquidated damages and not as a penalty, an amount equal to \$3,225.00, per day, and in accordance with Sec 108 of the Missouri Standard Specifications for Highway Construction.
5. **Drawings.** Accompanying the Specifications are the following contract drawings which are to illustrate and to be a part of the Specifications and the contract documents:

Brickline Greenway North Connector Phase 2 (308s) – Bid Package

Sheet Number	File Number	Sheet Description
1	General	Cover Sheet
2	General	Sheet Index
3	General	General Notes and Symbols
4	General	Summary of Quantities
5	Civil	Typical Sections
6-21	Traffic	Traffic Control
22	Civil	Key Plan
23-29	Civil	Existing Conditions
30-36	Civil	Erosion Control Plan
37-43	Civil	Demolition Plan
44-59	Civil	Layout and Materials Plans and Enlargements
60-67	Civil	Site Details
68-80	Civil	Grading Plans, Enlargements and Details
81-91	Civil	Utility Plans, Profiles, and Details

92-103	Electrical	Lighting Plans and Electrical Details
104-121	Signals	Signal Intersection Plans, ITS, and Details
122-129	Signage	Regulatory Signage Plans and Details
130-138	Striping	Pavement Marking Plans and Details
139-146	Landscape	Soils Plans and Details
147-155	Landscape	Landscape Plans and Details
156-165	Landscape	Irrigation Plans and Details
166-174	Landscape	Trail Signage and Furnishings Plan and Details

6. **Conditions.** This Contract and the Work performed hereunder shall be completed in conformity with the **GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (GRG Form 5)** which is specifically made a part of this Contract.
7. **Affidavits and Certifications.** Simultaneously with this its execution and delivery of this Contract, Contractor shall execute and deliver to Owner the following:
- a. Affidavit of Compliance with Section 285.500 R.S.Mo., Et Seq.
 - b. Affidavit of Compliance with Anti-Discrimination Against Israel Act
 - c. Certification of Primary Participant Regarding Responsibility Matters (FAR 52.209-5)

WHEREFORE the parties have set their hand the day and date first above written.

CONTRACTOR

by _____

DEVELOPER

**Metropolitan Park and
Recreation District**

d/b/a **The Great Rivers Greenway District**

by _____

Chief Executive Officer

Approved as to Form:

Husch Blackwell LLP

**Affidavit of Compliance with Section 285.500 R.S.Mo., Et Seq.
For all Agreements in excess of \$5,000.00.
Effective January 1, 2009**

STATE OF _____)
) ss.

COUNTY OF _____)

Before me, the undersigned Notary Public, in and for the County/City of -
_____, State of _____, personally appeared
(Name) _____, who is

(Title) of _____
(Name of company), (a corporation), (a partnership), (a sole proprietorship), (a
limited liability company), and is authorized to make this affidavit, and being duly
sworn upon oath deposes and says as follows:

- (1) that said company is enrolled in and participates in a federal work
authorization program with respect to the employees working in
connection with the contracted services; and
- (2) that said company does not knowingly employ any person who is
an unauthorized alien in connection with the contracted services.

The terms used in this affidavit shall have the meaning set forth in Section 285.500
R.S.Mo., et seq.

**Documentation of participation in a federal work authorization program is
attached to this affidavit.**

Signature _____

Name: _____

Subscribed and sworn to before me this _____ day of _____, _____.

Notary Public

My commission expires: _____

**Affidavit of Compliance with Anti-Discrimination Against Israel Act
(Section 34.600)
For all Agreements in excess of \$100,000.**

Effective August 28, 2020

STATE OF _____)

) ss.

COUNTY OF _____)

Before me, the undersigned Notary Public, in and for the County/City of _____, State of _____, personally appeared
(Name) _____, who is _____ (Title)
of _____ (Name of company),
(a corporation), (a partnership), (a sole proprietorship), (a limited liability company)
(the "Consultant"), and is authorized to make this affidavit, and being duly sworn
upon oath deposes and says as follows:

Pursuant to Section 34.600 of the Missouri Revised Statutes, Consultant certifies it is not currently engaged in and shall not, for the duration of this agreement, engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel.

The terms used in this affidavit shall have the meaning set forth in Section 34.600 R.S.Mo., et seq.

Signature _____

Name: _____

Subscribed and sworn to before me this _____ day of _____, _____.

Notary Public

My commission expires: _____

**Certification of Primary Participant Regarding Responsibility Matters
(FAR 52.209-5)
for Agreements Subject to Federal Funding Requirements**

Effective August 2020

STATE OF _____)

) ss.

COUNTY OF _____)

Before me, the undersigned Notary Public, in and for the County/City of _____, State of _____, personally appeared _____ (Name) _____, who is _____ (Title) of _____ (Name of company), (a corporation), (a partnership), (a sole proprietorship), (a limited liability company) (the "Consultant"), and is authorized to make this affidavit, and being duly sworn upon oath deposes and says as follows:

(a) The Consultant certifies, to the best of its knowledge and belief, that it and/or any of its Principals:

1. ☐ **Are** ☐ **Are not** presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
2. ☐ **Have** ☐ **Have not** within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) contract or subcontract; violation of Federal or State antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, violating Federal criminal tax laws, or receiving stolen property;
3. ☐ **Are** ☐ **Are not** presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph 2 of this certification;
4. ☐ **Have** ☐ **Have not** within a three-year period preceding this offer, been notified of any delinquent Federal taxes in an amount that exceeds the threshold at FAR 9.104-5(a)(2) for which the liability remains unsatisfied; and
5. ☐ **Has** ☐ **Has not** within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(b) "Principal," for the purposes of this certification, means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

- (c) The Consultant shall provide immediate written notice to the Metropolitan Park and Recreation District d/b/a The Great Rivers Greenway District ("GRG") if, at any time prior to contract award, the Consultant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- (d) If the Consultant is unable to certify to any of the statements in this certification, the Consultant shall attach an explanation to this certification.
- (e) A certification that any of the items in paragraph (a) of this certification exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Consultant's responsibility. Failure of the Consultant to furnish a certification or provide such additional information as requested by GRG may render the Consultant nonresponsive.
- (f) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of Consultant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- (g) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Consultant knowingly rendered an erroneous certification, in addition to other remedies available to GRG, GRG may terminate the contract resulting from this solicitation for default.

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

Signature _____

Name: _____

Subscribed and sworn to before me this _____ day of _____, _____.

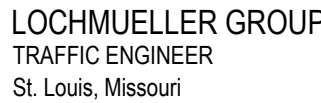
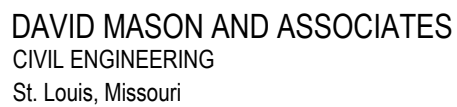
Notary Public

My commission expires: _____

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:  Great Rivers Greenway

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com



<u>BID ADDENDUM #1</u>	<u>1</u>	<u>09/01/2026</u>
<u>ISSUED FOR BID</u>		<u>08/13/2026</u>

STATE OF MISSOURI
HANNAH M. HIGGINS
NUMBER
PLA-2024012592
PROFESSIONAL LANDSCAPE ARCHITECT
9/1/2024

SHEET INDEX

2 OF 174

The logo for Missouri 811, featuring the word "MISSOURI" in a bold, black, sans-serif font with a yellow outline, and the number "811" in a large, bold, yellow font with a black outline. Below the number is a stylized graphic of a shovel with a green blade and a brown handle.

Sheet No.	Sheet Ref.	Sheet Name
1	G1-001	Cover Sheet
2	G1-002	Sheet Index
3	G1-003	General Notes and Symbols
4	G2-001	Summary of Quantities

6	TC1-101	D2bs Traffic Control Quantities
7	TC1-102	Traffic Control - Area 1 - Stage 1
8	TC1-103	Traffic Control - Area 2 - Stage 1
9	TC1-104	Traffic Control - Area 3 - Stage 1
10	TC1-105	Traffic Control - Area 4 - Stage 1
11	TC1-106	Traffic Control - Area 5 - Stage 1
12	TC1-107	Traffic Control - Finney Ave Detour
13	TC1-108	Traffic Control - Area 6 - Stage 1
14	TC1-109	Traffic Control - Area 7 - Stage 1
15	TC1-110	Traffic Control - Area 1 - Stage 2
16	TC1-111	Traffic Control - Area 2 - Stage 2
17	TC1-112	Traffic Control - Area 3 - Stage 2
18	TC1-113	Traffic Control - Area 4 - Stage 2
19	TC1-114	Traffic Control - Area 5 - Stage 2
20	TC1-115	Traffic Control - Area 6 - Stage 2
21	TC1-116	Traffic Control - Area 7 - Stage 2

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24	CS2-102	Existing Conditions - Spring - Area 2
25	CS2-103	Existing Conditions - Spring - Area 3
26	CS2-104	Existing Conditions - Spring - Area 4
27	CS2-105	Existing Conditions - Spring - Area 5
28	CS2-106	Existing Conditions - Spring - Area 6
29	CS2-107	Existing Conditions - Spring - Area 7

30	CS3-101	Erosion Control Plan - Spring - Area 1
31	CS3-102	Erosion Control Plan - Spring - Area 2
32	CS3-103	Erosion Control Plan - Spring - Area 3
33	CS3-104	Erosion Control Plan - Spring - Area 4
34	CS3-105	Erosion Control Plan - Spring - Area 5
35	CS3-106	Erosion Control Plan - Spring - Area 6
36	CS3-107	Erosion Control Plan - Spring - Area 7

37	CS4-101	Demolition Plan - Spring - Area 1
38	CS4-102	Demolition Plan - Spring - Area 2
39	CS4-103	Demolition Plan - Spring - Area 3
40	CS4-104	Demolition Plan - Spring - Area 4
41	CS4-105	Demolition Plan - Spring - Area 5
42	CS4-106	Demolition Plan - Spring - Area 6
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Sheet No.	Sheet Ref.	Sheet Name
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45	CS5-102	Layout and Materials - Spring - Area 2
46	CS5-103	Layout and Materials - Spring - Area 3
47	CS5-104	Layout and Materials - Spring - Area 4
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49	CS5-106	Layout and Materials - Spring - Area 6
50	CS5-107	Layout and Materials - Spring - Area 7
51	CS5-401	Layout and Materials Plan Enlargements
52	CS5-402	Layout and Materials Plan Enlargements
53	CS5-403	Layout and Materials Plan Enlargements
54	CS5-404	Layout and Materials Plan Enlargements
55	CS5-405	Layout and Materials Plan Enlargements
56	CS5-406	Layout and Materials Plan Enlargements
57	CS5-407	Layout and Materials Plan Enlargements
58	CS5-408	Layout and Materials Plan Enlargements
59	CS5-409	Layout and Materials Plan Enlargements
60	CS5-501	Site Details
61	CS5-502	Site Details
62	CS5-503	Site Details
63	CS5-504	Site Details
64	CS5-505	Site Details
65	CS5-506	Site Details
66	CS5-507	Site Details - Structural
67	CS5-508	Site Details - Structural

68	CS6-101	Grading Plan - Spring - Area 1
69	CS6-102	Grading Plan - Spring - Area 2
70	CS6-103	Grading Plan - Spring - Area 3
71	CS6-104	Grading Plan - Spring - Area 4
72	CS6-105	Grading Plan - Spring - Area 5
73	CS6-106	Grading Plan - Spring - Area 6
74	CS6-107	Grading Plan - Spring - Area 7
75	CS6-401	Enlarged Grading Plans
76	CS6-402	Enlarged Grading Plans
77	CS6-403	Enlarged Grading Plans
78	CS6-404	Enlarged Grading Plans
79	CS6-405	Enlarged Grading Plans
80	CS6-501	Grading Details

81	CU1-101	Utility Plan - Spring - Area 1
82	CU1-102	Utility Plan - Spring - Area 2
83	CU1-103	Utility Plan - Spring - Area 3
84	CU1-104	Utility Plan - Spring - Area 4
85	CU1-105	Utility Plan - Spring - Area 5
86	CU1-106	Utility Plan - Spring - Area 6
87	CU1-107	Utility Plan - Spring - Area 7
88	CU1-201	Utility Profiles
89	CU1-202	Utility Profiles
90	CU1-203	Utility Profiles
91	CU1-501	Utility Details

Sheet No.	Sheet Ref.	Sheet Name
92	E1-100	Electrical Abbreviations and Symbol
93	E1-101	Lighting Plan - Spring - Area 1
94	E1-102	Lighting Plan - Spring - Area 2
95	E1-103	Lighting Plan - Spring - Area 3
96	E1-104	Lighting Plan - Spring - Area 4
97	E1-105	Lighting Plan - Spring - Area 5
98	E1-106	Lighting Plan - Spring - Area 6
99	E1-107	Lighting Plan - Spring - Area 7
100	E1-501	City Lighting Specification
101	E1-502	Ameren Utility Details
102	E1-503	Electrical and WiFi Details
103	E1-504	Lighting Details

104	E2-101	Signal Intersection Plan - Enright
105	E2-102	Signal Intersection Plan - Enright D-37A
106	E2-103	Signal Intersection Plan - Enright D-37B
107	E2-104	Signal Intersection Plan - Enright D-37C
108	E2-105	Signal Intersection Plan - Enright D-37D
109	E2-106	Signal Intersection Plan - Enright D-38A
110	E2-107	Signal Intersection Plan - Page
111	E2-108	Signal Intersection Plan - Page D-37A
112	E2-109	Signal Intersection Plan - Page D-37B
113	E2-110	Signal Intersection Plan - Page D-37C
114	E2-111	Signal Intersection Plan - Page D-37D
115	E2-112	Signal Intersection Plan - Page D-38A
116	E2-113	ITS Overview
117	E2-114	ITS Splice Diagram Enright
118	E2-115	ITS Splice Diagram Page
119	E2-116	ITS Quantities
120	E2-501	Signal Details
121	E2-502	Signal Details

122	CS7-101	Regulatory Signage Plan - Area 1
123	CS7-102	Regulatory Signage Plan - Area 2
124	CS7-103	Regulatory Signage Plan - Area 3
125	CS7-104	Regulatory Signage Plan - Area 4
126	CS7-105	Regulatory Signage Plan - Area 5
127	CS7-106	Regulatory Signage Plan - Area 6
128	CS7-107	Regulatory Signage Plan - Area 7
129	CS7-501	Regulatory Signage Details

130	CS8-101	Pavement Marking Plan - Area 1
131	CS8-102	Pavement Marking Plan - Washington West
132	CS8-103	Pavement Marking Plan - Area 2
133	CS8-104	Pavement Marking Plan - Area 3
134	CS8-105	Pavement Marking Plan - Area 4
135	CS8-106	Pavement Marking Plan - Area 5
136	CS8-107	Pavement Marking Plan - Area 6
137	CS8-108	Pavement Marking Plan - Area 7
138	CS8-501	Pavement Marking Details

Sheet No.	Sheet Ref.	Sheet Name
139	L1-101	Soils Plan - Spring - Area 1
140	L1-102	Soils Plan - Spring - Area 2
141	L1-103	Soils Plan - Spring - Area 3
142	L1-104	Soils Plan - Spring - Area 4
143	L1-105	Soils Plan - Spring - Area 5
144	L1-106	Soils Plan - Spring - Area 6
145	L1-107	Soils Plan - Spring - Area 7
146	L1-501	Soils Details

147	L2-101	Landscape Plan - Spring - Area 1
148	L2-102	Landscape Plan - Spring - Area 2
149	L2-103	Landscape Plan - Spring - Area 3
150	L2-104	Landscape Plan - Spring - Area 4
151	L2-105	Landscape Plan - Spring - Area 5
152	L2-106	Landscape Plan - Spring - Area 6
153	L2-107	Landscape Plan - Spring - Area 7
153.5	L2-401	Landscape Enlargement Finney Plaza
154	L2-501	Landscape Details
155	L2-502	Tree Protection Detail

156	L3-000	Irrigation Notes and Legend
157	L3-101	Irrigation Plan - Spring - Area 1
158	L3-102	Irrigation Plan - Spring - Area 2
159	L3-103	Irrigation Plan - Spring - Area 3
160	L3-104	Irrigation Plan - Spring - Area 4
161	L3-105	Irrigation Plan - Spring - Area 5
162	L3-106	Irrigation Plan - Spring - Area 6
163	L3-107	Irrigation Plan - Spring - Area 7
164	L3-501	Irrigation Details
165	L3-502	Irrigation Details

166	L4-101	Trail Signage and Furnishings Plan - Spring - Area 1
167	L4-102	Trail Signage and Furnishings Plan - Spring - Area 2
168	L4-103	Trail Signage and Furnishings Plan - Spring - Area 3
169	L4-104	Trail Signage and Furnishings Plan - Spring - Area 4
170	L4-105	Trail Signage and Furnishings Plan - Spring - Area 5
171	L4-106	Trail Signage and Furnishings Plan - Spring - Area 6
172	L4-107	Trail Signage and Furnishings Plan - Spring - Area 7
173	L4-501	Site Furnishing Details

SUMMARY OF QUANTITIES

ITEM #	CODE #	ITEM	UNIT	QTY
1.1	6181000	MOBILIZATION	LS	1
1.2	n/a	PERMITS (ALLOWANCE)	ALLOW	1
1.3	n/a	UNSATURABLE SOILS AND UNFORESEEN CONDITIONS (ALLOWANCE)	ALLOW	1
2	JSP-21	INSTALLATION OF TRAFFIC CONTROL	LS	1
3	6161098A, JSP-21	CHANGEABLE MESSAGE SIGN W/O COMM INTERFACE, CONTRACTOR FURNISHED/RETAINED	EA	4
4	JSP-05	SEDIMENT AND EROSION CONTROL	LS	1
5	6274000, JSP-09	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1
6	JSP-39	DISPOSAL OF CONTAMINATED SOIL	CY	750
7	104.1	REMOVALS - FIXED OBJECTS (SIGNS, MAILBOXES)	EA	26
8	202	CONCRETE CURB REMOVAL	LF	2,772
9	JSP-17	GRANITE CURB REMOVAL AND STORAGE	LF	575
10	202	PAVEMENT REMOVAL - CONCRETE	SF	24,119
11	202	PAVEMENT REMOVAL - ASPHALT, FULL DEPTH	SF	82,729
12	JSP-14	REMOVAL OF TROLLEY TRACKS	LF	160
13	JSP-06	MANHOLE/VALVES ADJUST TO GRADE	LS	1
14	JSP-07	STORM SEWER WORK - REMOVE INLET	EA	13
15	JSP-18	REMOVAL OF EXISTING LIGHTING EQUIPMENT	EA	19
16	JSP-31	REMOVAL OF EXISTING SIGNAL EQUIPMENT	EA	7
17	JSP-08	REMOVE AND REPLACE FIRE HYDRANT	EA	8
18	JSP-16	UTILITIES - 6" WATER PIPE	LF	90
19	JSP-16	UTILITIES - 1 1/2" WATER PIPE	LF	24
20	JSP-16	UTILITIES - 3/8" WATER PIPE	LF	35
21	JSP-16	UTILITIES - WATER TAP AND METER	EA	2
22	JSP-07	STORM SEWER WORK - NEW CURB/GRATE INLET	EA	11
23	JSP-07	STORM SEWER WORK - NEW PLANTER INLET	EA	10
24	JSP-07	STORM SEWER WORK - NEW MANHOLE	EA	6
25	JSP-07	STORM SEWER WORK - 12-STORM SEWER PIPE	LF	909
26	JSP-07	SANITARY SEWER WORK - 6" SANITARY SEWER PIPE	LF	32
27	JSP-16	UTILITIES - DRINKING FOUNTAIN INSTALL	EA	1
28	207	EARTHWORK - MACHINE GRADING	SF	117,636
29	JSP-17	GRANITE CURB, SALVAGED	LF	467
30	JSP-40	CONCRETE CURB	LF	2,859
31	JSP-40	CONCRETE CURB, WIDE	LF	178
32	JSP-24	TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	LS	1
33	401, 321216	SURFACE - ASPHALT PAVEMENT PATCHING (BP-1 MIX)	SF	4,335
34	301, 321216	SURFACE - ASPHALT ROADWAY MILL & OVERLAY - (BP-1 MIX)	SF	355
35	JSP-41	CONCRETE ROADWAY PATCHING	SF	10,071
36	JSP-41	HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSWALKS, DRIVEWAYS, ADA SPACES)	SF	5,278
37	JSP-19	LIGHTING - STREET LIGHT POLE (RP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION	EA	18
38	JSP-19	LIGHTING - STREET LIGHT POLE (GRP), PIPE ARM, DUAL LUMINAIRES (SB1, SB2), DIRECT BURY FOUNDATION	EA	6
39	JSP-19	LIGHTING - STREET LIGHT PIPE ARM, LUMINAIRE (SB2) ON SIGNAL POLE (SP)	EA	4
40	JSP-29	LIGHTING - CONDUIT, 2 IN., TRENCH WITH TRACER WIRE (LTG)	LF	4,161
41	JSP-29	LIGHTING - CONDUIT, 2 IN., TRENCH WITH TRACER WIRE (PWR)	LF	2,325
42	JSP-29	LIGHTING - CONDUIT, 2 IN., PUSHED WITH TRACER WIRE (LTG)	LF	203
43	JSP-29	LIGHTING - CONDUIT, 2 IN., PUSHED WITH TRACE WIRE (PWR)	LF	268
44	9028208	LIGHTING - CABLE, 8 AWG 1 CONDUCTOR (LTG)	LF	13,092
45	9028208	LIGHTING - CABLE, 8 AWG 1 CONDUCTOR (PWR)	LF	12,300
46	9017006	LIGHTING - CABLE, 6 AWG 1 CONDUCTOR (PWR)	LF	836
47	9028810, JSP-30	LIGHTING - HANDHOLES - PULL BOX, PREFORMED CLASS 1 (LTG)	EA	11
48	9028811, JSP-30	POWER - HANDHOLES - PULL BOX, PREFORMED CLASS 2 (PWR)	EA	16
49	JSP-20	ELECTRICAL POWER SUPPLY - LIGHTING/POWER PANELBOARD AND PAD MOUNTED ENCLOSURE, CONCRETE FOOTING FOUNDATION	EA	1
50	JSP-20	ELECTRICAL POWER SUPPLY - ENCLOSURE RECEPTACLE	EA	1
51	JSP-20	ELECTRICAL POWER SUPPLY - NEMA 3R HEAVY DUTY DISCONNECT SWITCH	EA	1
52	JSP-60	DISPOSITION OF EXISTING MODOT SIGNAL EQUIPMENT	LS	1
53	9020213	SIGNAL HEAD, TYPE 3S	EA	6

ITEM #	CODE #	ITEM	UNIT	QTY
54	9020513	SIGNAL HEAD, TYPE 3B	EA	9
55	9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	12
56	9020833	SH-FLAT SHEET - SIGNAL SIGN	SF	62
57	9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	8
58	9022651	LUMINAIRE LED-A, 120 VOLT COMPATIBLE	EA	4
59	9022708	POST, SIGNAL 8 FT.	EA	6
60	9023215	POST, TYPE C, 15 FT. ARM	EA	1
61	9023130	POST, TYPE CL, 30 FT. ARM	EA	2
62	9023450	POST, TYPE BL, LONGEST ARM 50 FT. OR 15.2 M	EA	1
63	9024283	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EA	1
64	JSP-33	APS UNIT w/ SIGN	EA	12
65	9025200	CONDUIT, 2 IN., TRENCH WITH TRACER WIRE	LF	50
66	9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	220
67	9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	190
68	9028100	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	380
69	9028208	CABLE, 8 AWG 1 CONDUCTOR, POWER	LF	90
70	9028302	CABLE, 12 AWG 2 CONDUCTOR	LF	530
71	9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1,980
72	9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2,050
73	9028311	CABLE, 16 AWG 7 CONDUCTOR	LF	2,420
74	9028621	POWER SUPPLY ASSEMBLY, TYPE-2, 240/120 VOLT SERVICE, LIGHTING AND SIGNALS	EA	1
75	9028811	PULL BOX, PREFORMED, CLASS 2	EA	3
76	9028812	PULL BOX, PREFORMED, CLASS 3	EA	1
77	9029100	BASE, CONCRETE	CY	15
78	JSP-25	CCTV CAMERA (SINGLE CAMERA), INSTALL	EA	1
79	JSP-35	VEHICLE DETECTION SYSTEM	EA	1
80	JSP-31	REMOVE EXISTING MAST ARM ASSEMBLY & POLE	EA	4
81	JSP-31	REMOVE EXISTING SIGNAL POST	EA	4
82	JSP-31	REMOVE EXISTING SIGNAL HEAD	EA	13
83	JSP-31	REMOVE EXISTING PEDESTRIAN HEAD	EA	12
84	JSP-31	REMOVE EXISTING APS UNIT W/ SIGN	EA	4
85	JSP-31	REMOVE EXISTING PULL BOX	EA	4
86	JSP-31	REMOVE EXISTING MAST ARM MOUNTED SIGN	EA	4
87	JSP-31	REMOVE EXISTING POST MOUNTED SIGN	EA	1
88	JSP-31	REMOVE EXISTING SIGNAL CABINET	EA	1
89	JSP-31	REMOVE EXISTING CONCRETE FOUNDATION	EA	9
90	JSP-29	CONDUIT, 2 IN., TRENCH (FIBER OPTIC)	LF	4,715
91	JSP-29	CONDUIT, 2 IN., PUSHED (FIBER OPTIC)	LF	950
92	JSP-30	PULL BOX, PREFORMED, CLASS 2	EA	11
93	JSP-30	PULL BOX, PREFORMED, CLASS 5	EA	2
94	JSP-36	FIBER OPTIC CABLE, 48-STRAND SINGLE MODE / 24-STRAND MULTI MODE	LF	3,570
95	JSP-36	RACK MOUNTED INTERCONNECT CENTER	EA	1
96.1	JSP-36	FIBER OPTIC TERMINATIONS - FUSION SPLICER, SINGLE MODE	EA	36
96.2	JSP-36	FIBER OPTIC TERMINATIONS - FUSION SPLICER, MULTI MODE	EA	36
96.3	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC PIGTAIL, SINGLE MODE	EA	36
96.4	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC PIGTAIL, MULTI MODE	EA	36
96.5	JSP-36	FIBER OPTIC TERMINATIONS - FIBER OPTIC JUMPER, SINGLE MODE	EA	6
97	JSP-26	HARDENED ETHERNET SWITCH - LAYER 2	EA	1
98	9035004A	REG SIGNAGE - FLAT SHEET SIGN	SF	250
99	9031250A	REG SIGNAGE - U-CHANNEL POST, 3LB	LF	295
100	JSP-63	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	EA	5
101	6206000C, JSP-37	4 IN. WHITE/YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	9,278
102	6200015, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (STOP BARS, CROSSWALKS)	LF	1,721
103	6209903A, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, SPEED HUMP ARROWS	EA	16
104	6209903A, JSP-37	PREFORMED THERMOPLASTIC PAVEMENT MARKING, TURN ARROWS	EA	26

ITEM #	CODE #	ITEM	UNIT	QTY
105	JSP-40	PLANTER CURB (CONCRETE)	LF	1,013
106	JSP-40	CONCRETE BAND	LF	585
107	JSP-41	CONCRETE PAVEMENT (SIDEWALKS)	SF	16,860
108	JSP-41	CONCRETE PAVEMENT (SHARED USE PATH)	SF	23,850
109	JSP-41	HEAVY DUTY CONCRETE PAVEMENT (SHARED USE PATH)	SF	1,166
110	JSP-43	UNIT PAVING ON CONCRETE	SF	10,165
111	JSP-43	UNIT PAVING ON CONCRETE (BRICKLINE CENTERLINE)	SF	2,481
112	JSP-43	METAL PAVER EDGE RESTRAINT	LF	688
113	JSP-44	DETECTABLE WARNING	SF	797
114	JSP-47	GRANITE SEATWALL	LF	80
115	JSP-48	PRECAST CONCRETE SEATWALL (NOT IN USE)	LF	0
116	JSP-49	SITE FURNISHINGS - BOLLARDS, FIXED	EA	23
117	JSP-49	SITE FURNISHINGS - BOLLARDS, REMOVABLE	EA	17
118	JSP-52	EXISTING TREE PRUNING	EA	4
119	JSP-53	TREE PROTECTION ZONE FENCING	LF	185
120	JSP-53	TREE PROTECTION ZONE SIGNAGE	EA	4
121	2013000	REMOVALS - CLEARING AND GRUBBING	SF	654
122	JSP-50	LANDSCAPE - STRUCTURAL SOIL	CY	1,309
123	JSP-51	LANDSCAPE - PLANTING SOIL	CY	1,889
124	JSP-54	LANDSCAPE - TURFGRASS SEEDING	SF	7,439
125	JSP-55	PLANT - BULB	EA	4,104
126	JSP-55	PLANT - PERENNIAL, 2X5 DEEP CELL PLUG	EA	5,157
127	JSP-55	PLANT - PERENNIAL, 4" (1 QUART) CONTAINER	EA	13,214
128	JSP-55	PLANT - PERENNIAL, #1 (1 GALLON) CONTAINER	EA	5,725
129	JSP-55	PLANT - SHRUB, #3 (3 GALLON) TO #10 (10 GALLON)	EA	338
130	JSP-55	PLANT - TREE, ORNAMENTAL (2.5" CALIPER OR #25 TO #65 GALLON)	EA	15
131	JSP-55	PLANT - TREE, SHADE (3" CALIPER OR #45 TO #95/100 GALLON)	EA	43
132	JSP-55	PLANT - TREE, SHADE (3.5" CALIPER OR #65 TO #95/100 GALLON)	EA	29
132.1	JSP-55	PLANT - TREE, Shade (4" Cal. B&B)	EA	1
133	JSP-55	MULCH	CY	172
134	JSP-55	LANDSCAPE PROTECTION BARRIER	LF	7,177
135	JSP-55	TREE STABILIZATION	EA	97
136	JSP-19	LIGHTING - PLAZA PATHWAY BOLLARDS (B1), MOUNTING BRACKET, LUMINAIRE, TIMECLOCK CONTROLS, CONCRETE FOOTING FOUNDATION	EA	12
137	JSP-15	WIFI INSTALLATION	ALLOW	1
138	JSP-15	WIFI - LIGHTPOLE PREPARATION	EA	7
139	JSP-29	CONDUIT, 1.25 IN., TRENCH WITH TRACE WIRE (WIFI)	LF	557
140	9028208	CABLE, 8 AWG 1 CONDUCTOR (WIFI)	LF	1,337
141	JSP-15	SIGNALS - CABLE, CAT6 (WIFI)	LF	140
142	JSP-43	GRANITE DONOR PLAQUES	EA	10
143	JSP-49	SITE FURNISHINGS - BENCH, BACKED, 6'	EA	6
144	JSP-49	SITE FURNISHINGS - BENCH, BACKLESS, 4'	EA	2
145	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE A	EA	2
146	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE B	EA	1
147	JSP-49	SITE FURNISHINGS - BENCH, ENRIGHT PLAZA - TYPE C	EA	3
148	JSP-49	SITE FURNISHINGS - BENCH, GRANDEL SQUARE CROSSING	EA	3
149	JSP-49	SITE FURNISHINGS - WASTE RECEPTACLES (TRASH)	EA	6
150	JSP-49	SITE FURNISHINGS - WASTE RECEPTACLES (RECYCLING)	EA	6
151	JSP-49	SITE FURNISHINGS - BIKE REPAIR STATION	EA	1
152	JSP-49	SITE FURNISHINGS - BIKE RACKS	EA	5
153	JSP-49	SITE FURNISHINGS - PET WASTE STATION	EA	2
154	JSP-49	SITE FURNISHINGS - DRINKING FOUNTAIN	EA	1
155	JSP-49	SECURITY - CODE BLUE STATION	EA	4
156	JSP-57	TRAIL SIGNAGE - BL-Kx1e	EA	1
157	JSP-57	TRAIL SIGNAGE - BL-Rx1e	EA	2
158	JSP-57	TRAIL SIGNAGE - BL-Gx10	EA	3

ITEM #	CODE #	ITEM	UNIT	QTY
159	JSP-57	TRAIL SIGNAGE - BL-IN1	EA	1
159.1	JSP-57	TRAIL SIGNAGE - BL-IN3	EA	1
160	JSP-56	LANDSCAPE - IRRIGATION POINT OF CONNECTION	EA	1
161	JSP-56	LANDSCAPE - IRRIGATION SLEEVES	LF	1,700
162	JSP-56	LANDSCAPE - IRRIGATION MAINLINE	LF	2,593
163	JSP-56	LANDSCAPE - IRRIGATION CONTROLLERS	EA	1
164	JSP-56	LANDSCAPE - IRRIGATION DRIP TUBING	LF	27,629
165	JSP-56	LANDSCAPE - IRRIGATION WIRE CONDUIT	LF	1,060
166	JSP-56	LANDSCAPE - IRRIGATION LATERAL PIPE	LF	11,626
167	JSP-56	LANDSCAPE - IRRIGATION SPRINKLERS (NOT IN USE)	EA	0
168	JSP-56	LANDSCAPE - IRRIGATION BUBBLER ASSEMBLIES	EA	101
169	JSP-56	LANDSCAPE - IRRIGATION ZONE CONTROL VALVES	EA	7
170	JSP-56	LANDSCAPE - IRRIGATION DRIP CONTROL ZONE ASSEMBLIES	EA	17
189	JSP-41	CONCRETE PAVEMENT WITH EXPOSED AGGREGATE FINISH	SF	580
190	JSP-45	CUT STONE STEPPERS	SF	115
191	JSP-45	STONE EDGING	LF	62
192	JSP-64	GRANITE CHAIR, INSTALLATION ONLY	EA	7
193	JSP-64	STONE BENCH, 24" x 60", INSTALLATION ONLY	EA	9
194	JSP-64	LARGE STONE CUBE, 24", INSTALLATION ONLY	EA	2
195	JSP-64	SMALL STONE CUBE, 18", INSTALLATION ONLY	EA	3



ITEM #	CODE #	ITEM	UNIT	QTY
ALTERNATE #1				
171	JSP-41	OMIT - HEAVY DUTY CONCRETE PAVEMENT (RAISED CROSSWALKS/DRIVEWAYS)	SF	-21
172	JSP-41	OMIT - CONCRETE PAVEMENT (SHARED USE PATH)	SF	-14
173	202	REMOVALS - TREES (SMALL)	EA	2
174	202	REMOVALS - TREES (LARGE)	EA	2
175	2013000	REMOVALS - CLEARING AND GRUBBING	SF	660
176	2022010	REMOVALS - UNIT RETAINING WALL	LF	35
177	2022010	REMOVALS - FENCE	LF	45
178	207	EARTHWORK - MACHINE GRADING	SF	660
179	6071013A	CHAIN LINK FENCE, 72"	LF	40
180	JSP-51	LANDSCAPE - PLANTING SOIL	CY	20
181	JSP-54	LANDSCAPE - TURFGRASS SEEDING	SF	185
182	JSP-55	PLANT - PERENNIAL, 2X5 DEEP CELL PLUG	EA	73
183	JSP-55	PLANT - PERENNIAL, 4" (1 QUART) CONTAINER	EA	23
184	JSP-55	PLANT - PERENNIAL, #1 (1 GALLON) CONTAINER	EA	73
185	JSP-55	PLANT - TREE, ORNAMENTAL (2.5" CALIPER OR #25 TO #65 GALLON)	EA	3
186	JSP-55	MULCH	CY	2
187	JSP-55	LANDSCAPE PROTECTION BARRIER	LF	87
188	JSP-55	TREE STABILIZATION	EA	3

ITEM #	CODE #	ITEM	UNIT	QTY
ALTERNATE #2				
196	JSP-41	OMIT - CONCRETE PAVEMENT (SHARED USE PATH)	SF	-1,245
197	JSP-43	ADD - UNIT PAVING ON CONCRETE	SF	1,245
198	JSP-43	ADD - METAL PAVER EDGE RESTRAINT	LF	59

BRICKLINE
GREENWAY NORTH
CONNECTOR
PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:



SMITHGROUP

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com



DAVID MASON AND ASSOCIATES
CIVIL ENGINEERING
St. Louis, Missouri



DTLS, Inc.
LANDSCAPE ARCHITECTURE
St. Louis, Missouri



LOCHMUELLER GROUP
TRAFFIC ENGINEER
St. Louis, Missouri



GRICE GROUP
ARCHITECTURE
St. Louis, Missouri

ISSUED FOR	REV	DATE
BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

SEALS AND SIGNATURES



KEY PLAN

DRAWING TITLE

SUMMARY OF QUANTITIES

PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

4 OF 174

G2-001

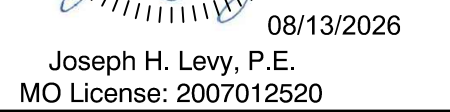


Client: Great Rivers Greenway

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com



SEALS AND SIGNATURES
David Mason and Associates, Inc.:
Certificate of Authority Number 001103



WASHINGTON AVE

HANDEL SQUARE

DELAWARE BLVD

ENRIGHT AVE

BELL AVE

WINDSOR PL

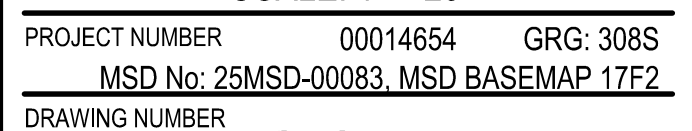
FINNEY AVE

COOK AVE

PHASE BLVD

SPRING AVE

DEMOLITION PLAN -
SPRING - AREA 5



CS4-105



1. PRIOR TO DEMOLITION, CONTRACTOR TO COORDINATE WITH THE CITY OF ST. LOUIS STREET DEPARTMENT FOR ANY LANE CLOSURES ON SPRING AVENUE.
2. SIDEWALKS SHALL BE SAWCUT AT THE NEAREST JOINT.
3. GRANITE CURBING WITHIN THE DEMOLITION LIMITS SHALL BE SALVAGED AND REUSED, OR RETURNED TO THE CITY OF ST. LOUIS STREET DEPARTMENT.
4. TRAFFIC STRIPING WITHIN THE PROJECT LIMITS TO BE REMOVED.
5. ALL EXISTING PIPING DENOTED AS TBA (TO BE ABANDONED) IS TO BE GROUT FILLED IN PLACE.
6. IN REMOVING PAVEMENT, CURB, GUTTER, SIDEWALKS AND OTHER SIMILAR IMPROVEMENTS AND WHERE A PORTION OF SUCH IMPROVEMENTS ARE TO BE LEFT IN PLACE, THEY SHALL BE REMOVED TO AN EXISTING JOINT OR SAWCUT AT LIMITS OF REMOVAL.
7. THE GRAND CENTER ARTS DISTRICT WYFINDING SIGNAGE WITHIN

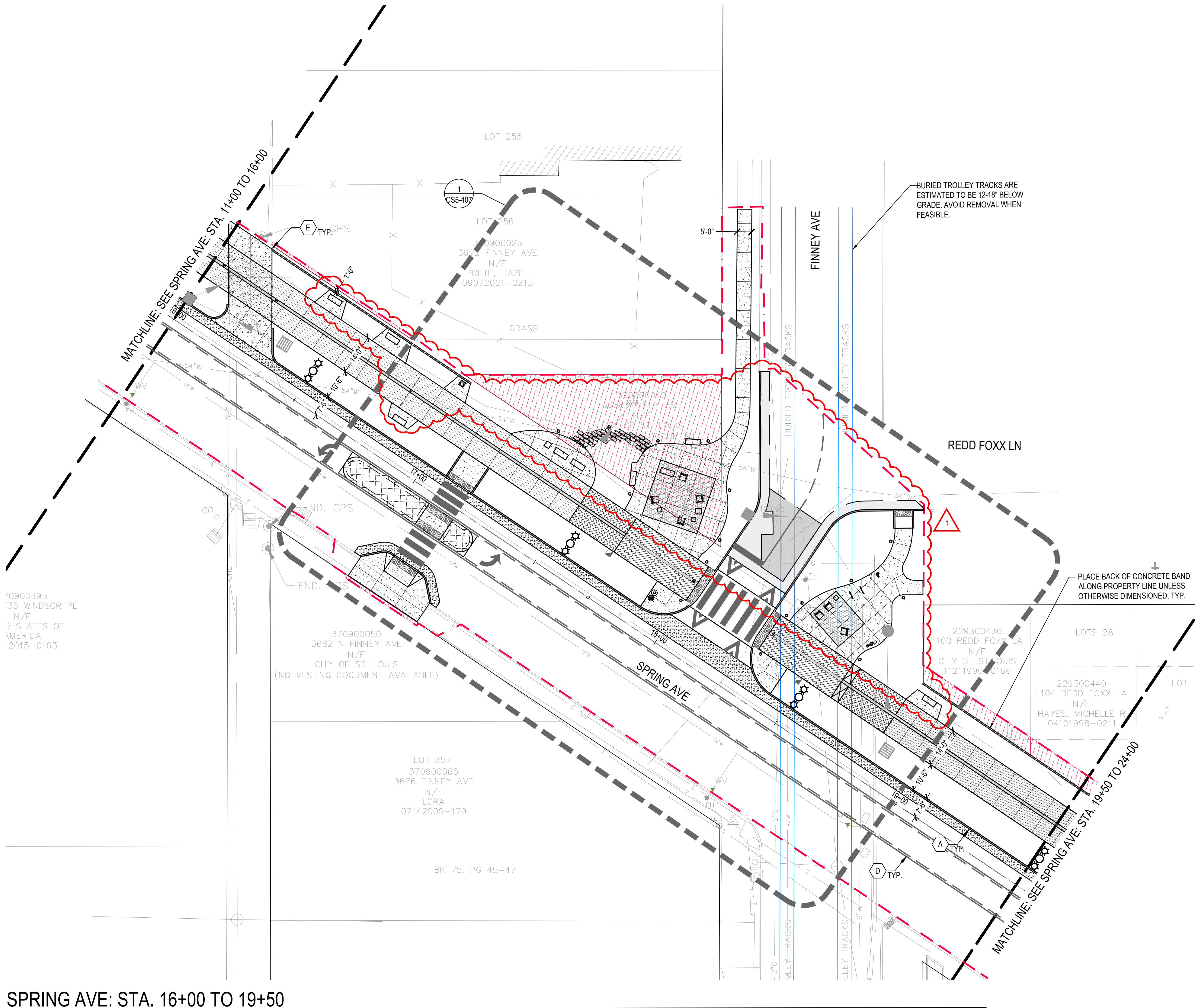
THE REMOVAL LIMITS SHALL BE SALVAGED AND RETURNED TO THE DISTRICT.

REMOVE, REPLACE, OR REHAB NOTE:

THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED

PROJECT LIMITS			
	PAVEMENT SAWCUT		TREE/BUSH - TO BE REMOVED
	UTILITY/SEWER LINE - TO BE REMOVED	(UIP)	USE IN PLACE
	TEMPORARY CONSTRUCTION EASEMENT LIMITS	(TBR)	TO BE REMOVED
		(TBS)	TO BE SALVAGED
		(ATG)	ADJUST TO GRADE
		(TBA)	TO BE ABANDONED (GROUT FILL IN PLACE)
		(TBR&R)	TO BE REMOVED & REUSED
			TREE PROTECTION FENCE
			REFERENCE 1/L2-502

F:\C:\Users\higgins\OneDrive\SmithGroup\00014654 - Brickline Greenway Phase 2 & 3\Project Files\BIM\05 Civil\02-14654-SC-CSS-101.dwg USER:higgins DATE:Aug. 31 2026 TIME: 02:15 am



SPRING AVE: STA. 16+00 TO 19+50

KEYED NOTES

- A** SALVAGED GRANITE CURB TO BE PLACED ALONG STRAIGHT CURB SECTIONS SOUTH OF ENRIGHT AVE. ALL RADIUS CURVES, ADA RAMPS, DRIVEWAY CURBS AND STRAIGHT ROAD CURBS NORTH OF ENRIGHT TO BE CONCRETE CURB.
- B** EXTEND CONCRETE PAVEMENT EDGE TO MEET EXISTING BUILDING, FENCE, STAIRS, CURB, OR OTHER ADJACENT VERTICAL STRUCTURE. EXTEND CONCRETE PAVEMENT BEYOND PROPERTY LINE IF VERTICAL STRUCTURE IS WITHIN 12" OF THE PROPERTY LINE WHEN WITHIN TEMPORARY CONSTRUCTION EASEMENT AS SHOWN.
- C** SEE UTILITY PLANS FOR ALL UTILITY STRUCTURES, INCLUDING INLETS, MANHOLES, AND VALVES.
- D** PAVEMENT MARKINGS ARE FOR REFERENCE ONLY, SEE PAVEMENT MARKING PLANS.
- E** PROVIDE SMOOTH TRANSITION TO EXISTING HARDSCAPE, TYP.
- F** ADA STREET PARKING, SEE DETAIL 1, SHEET CSS-505 FOR TYPICAL LAYOUT AND DIMENSIONS.
- G** WIRELESS VEHICLE DETECTION SYSTEM, SEE SIGNAL INTERSECTION PLANS.

LEGEND

RIGHT-OF-WAY LINE	CONCRETE BAND	12 CSS-501	ASPHALT PAVEMENT	5 CSS-501	HEAVY DUTY CONCRETE SHARED USE PATH	8 CSS-501	FLUSH CROSSWALK, SEE PAVEMENT MARKING PLANS	PEDESTRIAN REFUGE ISLAND	3 CSS-501	BIKE FACILITIES, SEE SITE FURNISHINGS PLAN
PROJECT LIMITS	PLANTER CURB	3 CSS-501	CONCRETE ROADWAY	11 CSS-501	CONCRETE SHARED USE PATH	9 CSS-501	FIXED BOLLARD	DONOR PLAQUE	1 CSS-504	BENCHES, SEE SITE FURNISHINGS PLAN
TEMPORARY CONSTRUCTION EASEMENT LIMITS	CONCRETE PAVEMENT	6 CSS-501	UNIT PAVING ON CONCRETE, PATTERN 1	1.3 CSS-502	RAISED TRAIL CROSSWALK	1 CSS-503	REMOVABLE BOLLARD	WATER FOUNTAIN, SEE SITE FURNISHINGS / UTILITIES PLANS		WASTE RECEPTACLE, SEE SITE FURNISHINGS PLAN
BURIED TROLLEY TRACKS	HEAVY DUTY CONCRETE PAVEMENT	7 CSS-501	UNIT PAVING ON CONCRETE, PATTERN 2	1.3 CSS-502			ADA RAMPS	LIGHTING, SEE ELECTRICAL PLANS		
GRANITE CURB	EXPANSION JOINT	10 CSS-501						EMERGENCY CALL BOX, SEE SITE FURNISHINGS / ELECTRICAL PLANS		
CONCRETE CURB	CONTROL JOINT									
6" WIDE										
12" WIDE										

BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:



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35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
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ARCHITECTURE
St. Louis, Missouri

ISSUED FOR

REV DATE

BID ADDENDUM #1

1

09/01/2026

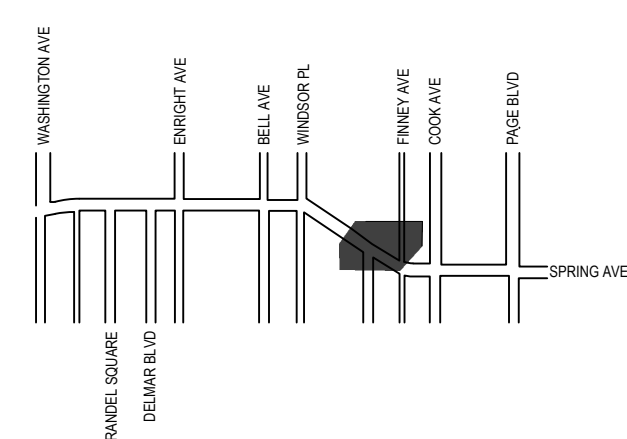
ISSUED FOR BID

08/13/2026

SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE

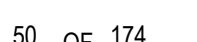
LAYOUT AND MATERIALS PLAN - SPRING - AREA 5

SCALE: 1" = 20'

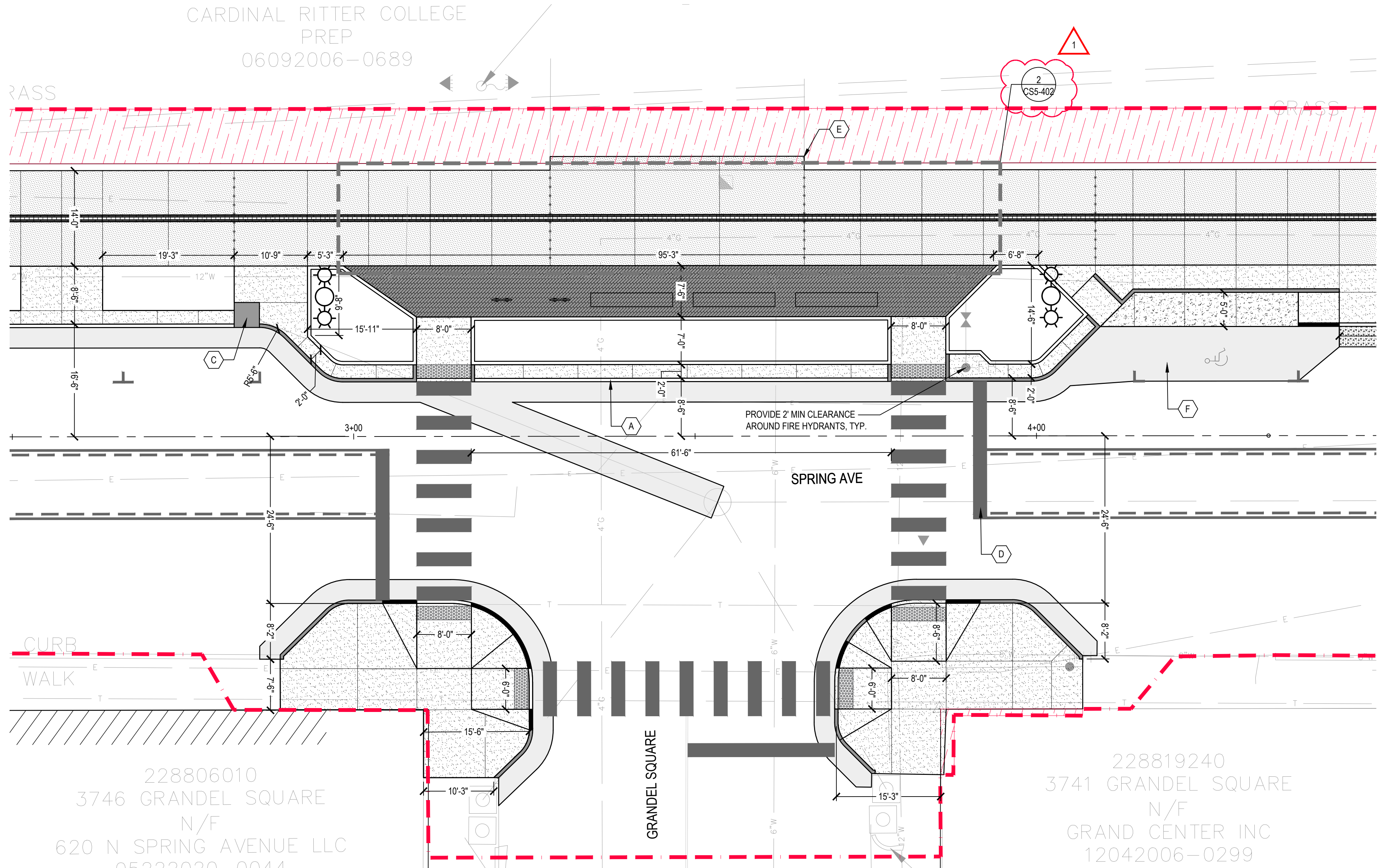
PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

48 OF 174

CS5-105

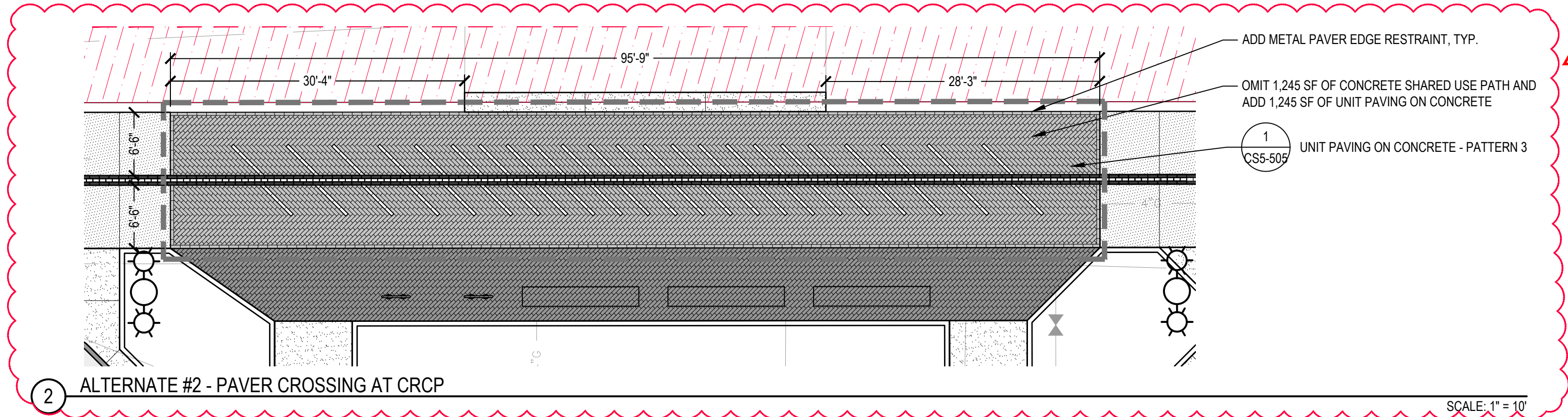


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1 GRANDEL SQUARE & N SPRING AVE

SCALE: 1" = 10'



2 ALTERNATE #2 - PAVER CROSSING AT CRCP

SCALE: 1" = 10'

KEYED NOTES

- A** SALVAGED GRANITE CURB TO BE PLACED ALONG STRAIGHT CURB SECTIONS SOUTH OF ENRIGHT AVE. ALL RADIUS CURVES, ADA RAMP, DRIVEWAY CURBS AND STRAIGHT ROAD CURBS NORTH OF ENRIGHT TO BE CONCRETE CURB.
- B** EXTEND CONCRETE PAVEMENT EDGE TO MEET EXISTING BUILDING, FENCE, STAIRS, CURB, OR OTHER ADJACENT VERTICAL STRUCTURE. EXTEND CONCRETE PAVEMENT BEYOND PROPERTY LINE IF VERTICAL STRUCTURE IS WITHIN 12" OF THE PROPERTY LINE WHEN WITHIN TEMPORARY CONSTRUCTION EASEMENT AS SHOWN.
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- G** WIRELESS VEHICLE DETECTION SYSTEM, SEE SIGNAL INTERSECTION PLANS.

LEGEND

	RIGHT-OF-WAY LINE		CONCRETE BAND		ASPHALT PAVEMENT		HEAVY DUTY CONCRETE SHARED USE PATH		FLUSH CROSSWALK, SEE PAVEMENT MARKING PLANS		PEDESTRIAN REFUGE ISLAND		BIKE FACILITIES, SEE SITE FURNISHINGS PLAN
	PROJECT LIMITS		PLANTER CURB		CONCRETE ROADWAY		CONCRETE SHARED USE PATH		FIXED BOLLARD		DONOR PLAQUE		BENCHES, SEE SITE FURNISHINGS PLAN
	TEMPORARY CONSTRUCTION EASEMENT LIMITS		CONCRETE PAVEMENT		UNIT PAVING ON CONCRETE, PATTERN 1		CONCRETE SHARED USE PATH		REMOVABLE BOLLARD		WATER FOUNTAIN, SEE SITE FURNISHINGS / UTILITIES PLANS		WASTE RECEPTACLE, SEE SITE FURNISHINGS PLAN
	BURIED TROLLEY TRACKS		HEAVY DUTY CONCRETE PAVEMENT		UNIT PAVING ON CONCRETE, PATTERN 2		RAISED TRAIL CROSSWALK		ADA RAMPS		LIGHTING, SEE ELECTRICAL PLANS		EMERGENCY CALL BOX, SEE SITE FURNISHINGS / ELECTRICAL PLANS
	GRANITE CURB		EXPANSION JOINT		CONTROL JOINT								
	CONCRETE CURB 6' WIDE												
	CONCRETE CURB 12' WIDE												

BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886



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BID ADDENDUM #1

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09/01/2026

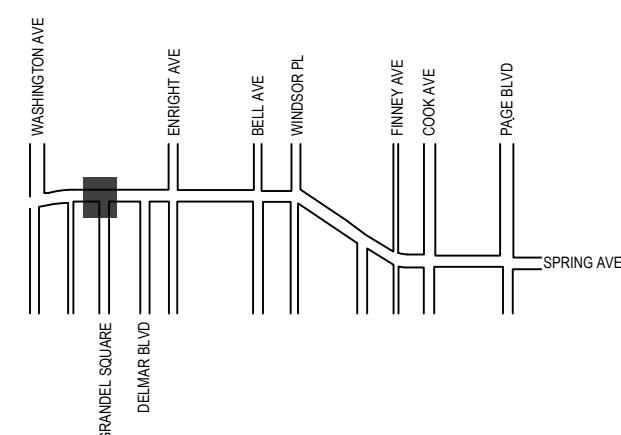
ISSUED FOR BID

08/13/2026

SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE

LAYOUT AND MATERIALS - ENLARGEMENTS

SCALE: 1" = 10'

PROJECT NUMBER 00014654 GRG: 308S

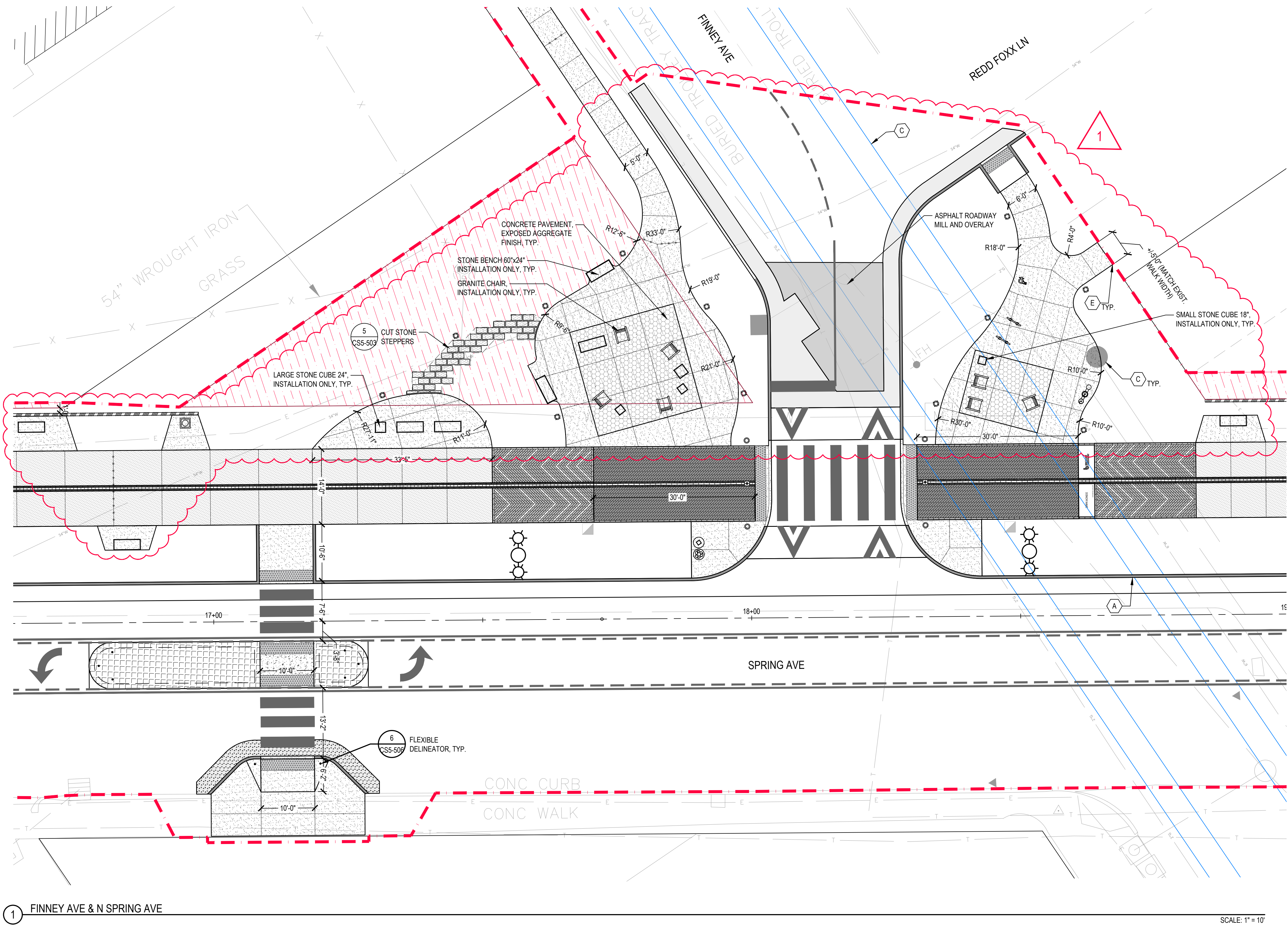
MSD No: 25MSD-00083, MSD BASEMAP 17F2

DRAWING NUMBER

CS5-402

52 OF 174

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1 FINNEY AVE & N SPRING AVE

SCALE: 1" = 10'

KEYED NOTES

- A SALVAGED GRANITE CURB TO BE PLACED ALONG STRAIGHT CURB SECTIONS SOUTH OF ENRIGHT AVE. ALL RADIUS CURVES, ADA RAMPS, DRIVEWAY CURBS AND STRAIGHT ROAD CURBS NORTH OF ENRIGHT TO BE CONCRETE CURB.
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- E PROVIDE SMOOTH TRANSITION TO EXISTING HARDSCAPE, TYP.
- F ADA STREET PARKING, SEE DETAIL 1, SHEET CS5-505 FOR TYPICAL LAYOUT AND DIMENSIONS.
- G WIRELESS VEHICLE DETECTION SYSTEM, SEE SIGNAL INTERSECTION PLANS.

LEGEND

RIGHT-OF-WAY LINE	CONCRETE BAND	12 CS5-501	ASPHALT PAVEMENT	5 CS5-501	HEAVY DUTY CONCRETE SHARED USE PATH	8 CS5-501	FLUSH CROSSWALK, SEE PAVEMENT MARKING PLANS	PEDESTRIAN REFUGE ISLAND	3 CS5-501	BIKE FACILITIES, SEE SITE FURNISHINGS PLAN
PROJECT LIMITS	PLANTER CURB	3 CS5-501	CONCRETE ROADWAY	11 CS5-501	CONCRETE SHARED USE PATH	9 CS5-501	FIXED BOLLARD	DONOR PLAQUE	1 CS5-501	BENCHES, SEE SITE FURNISHINGS PLAN
TEMPORARY CONSTRUCTION EASEMENT LIMITS	CONCRETE PAVEMENT	6 CS5-501	UNIT PAVING ON CONCRETE, PATTERN 1	1.3 CS5-502	CONCRETE SHARED USE PATH	7 CS5-501	REMOVABLE BOLLARD	WATER FOUNTAIN, SEE SITE FURNISHINGS / UTILITIES PLANS	WASTE RECEPTACLE, SEE SITE FURNISHINGS PLAN	MISSOURI 811
BURIED TROLLEY TRACKS	HEAVY DUTY CONCRETE PAVEMENT	7 CS5-501	UNIT PAVING ON CONCRETE, PATTERN 2	1.3 CS5-502	RAISED TRAIL CROSSWALK	1 CS5-501	ADA RAMPS	LIGHTING, SEE ELECTRICAL PLANS	EMERGENCY CALL BOX, SEE SITE FURNISHINGS / ELECTRICAL PLANS	
GRANITE CURB	EXPANSION JOINT	10 CS5-501	CONTROL JOINT							
CONCRETE CURB 6" WIDE		1 CS5-501								
CONCRETE CURB 12" WIDE		2 CS5-501								

BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:



SMITHGROUP

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com



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CIVIL ENGINEERING
St. Louis, Missouri



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LANDSCAPE ARCHITECTURE
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1

09/01/2026

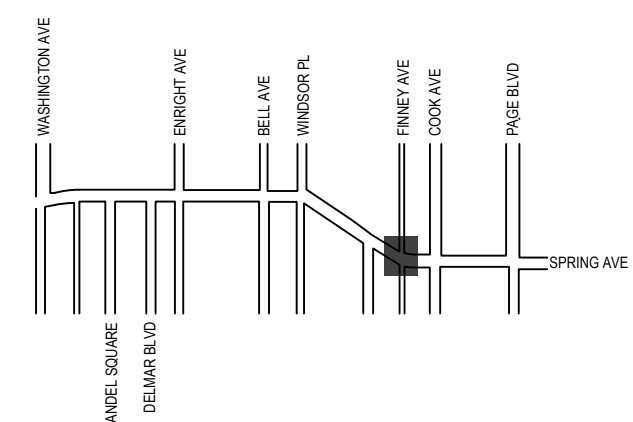
ISSUED FOR BID

08/13/2026

SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE

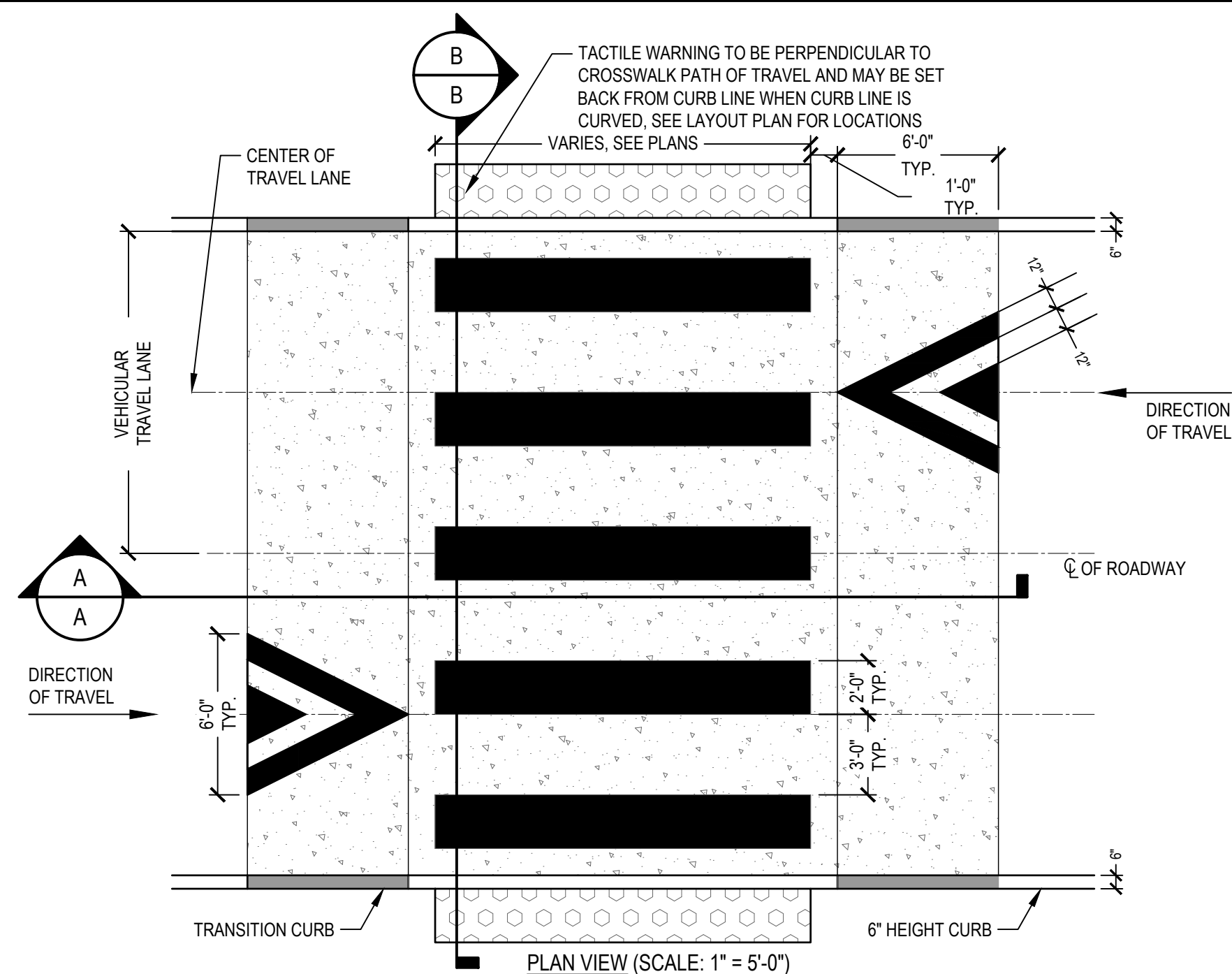
LAYOUT AND MATERIALS - ENLARGEMENTS

SCALE: 1" = 10'

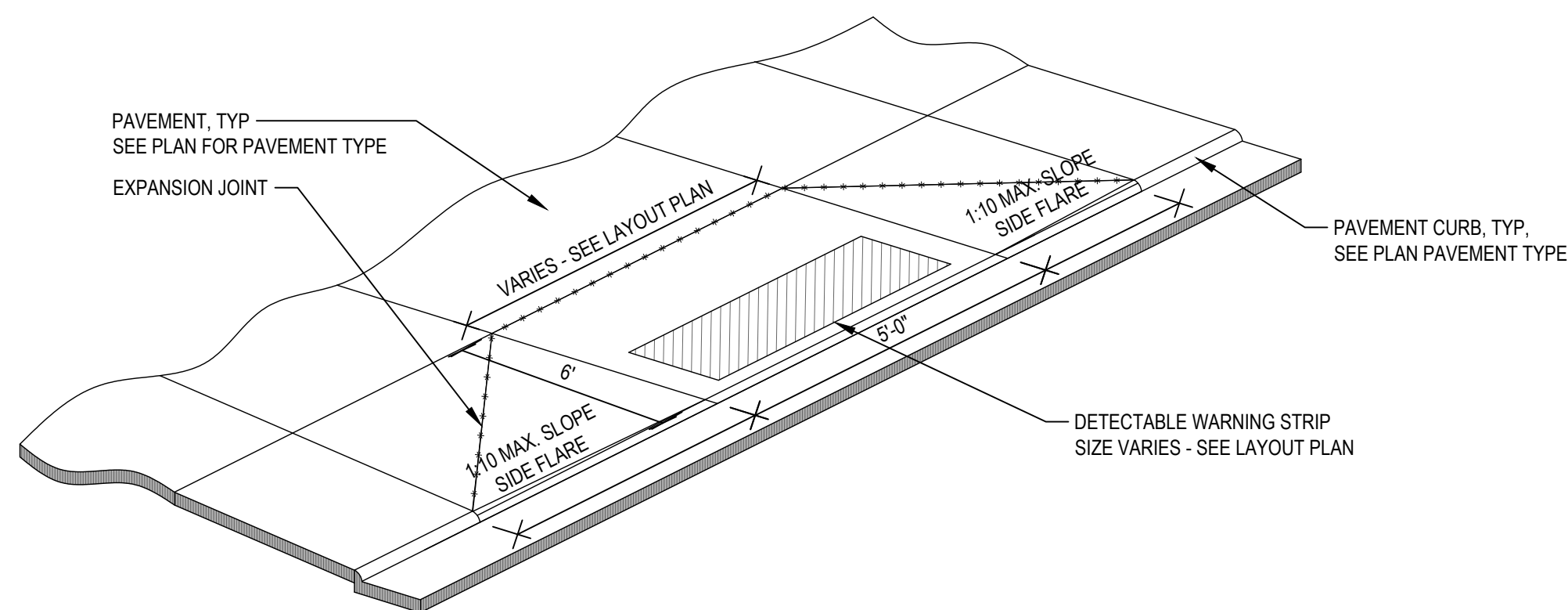
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MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

57 OF 174

CS5-407

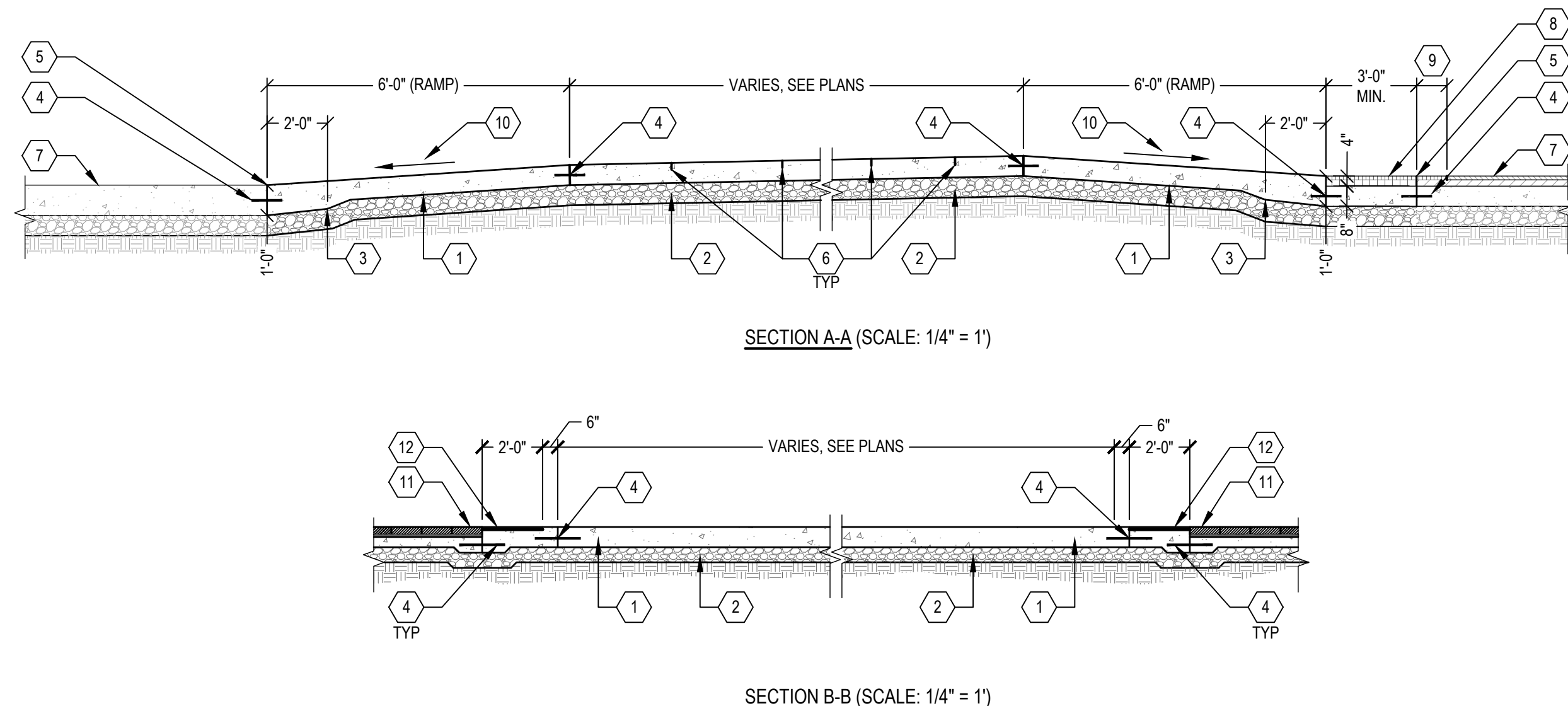


1 RAISED CROSSWALK



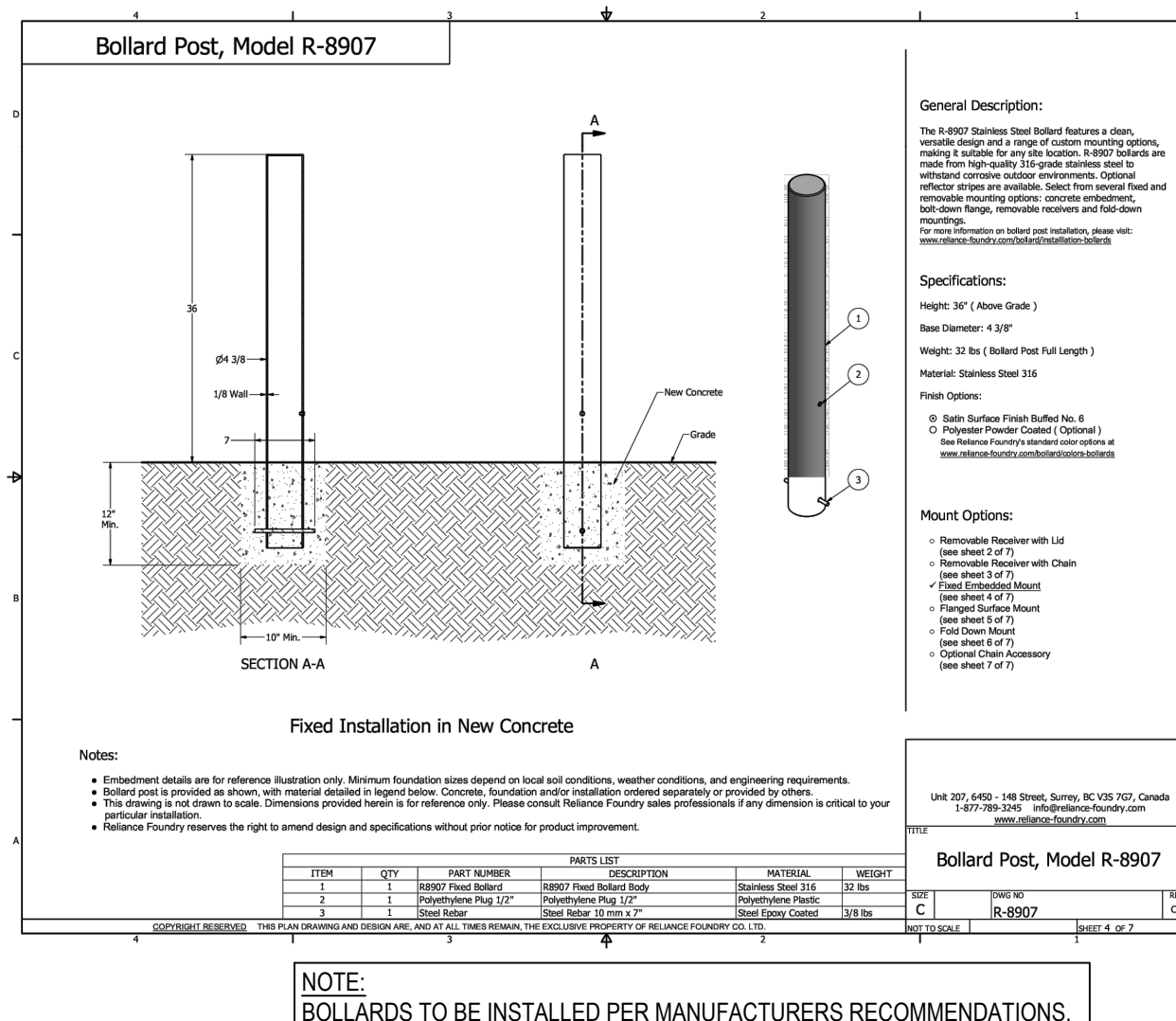
GENERAL NOTES

1. RAMP RUNS SHALL BE 8.3% (1:12) OR LESS. LANDINGS AT THE TOP OF A RAMP MUST BE LEVEL (2% OR LESS IN ALL DIRECTIONS) AND MATCH WIDTH OF RAMP.
2. DETECTABLE WARNING SURFACE:
 - 2.1. DETECTABLE WARNING PLATE SHALL BE NEENAH FOUNDRY TYPE R-4984 OR EQUIVALENT.
 - 2.2. DETECTABLE WARNING PLATE SHALL BE CAST IRON WITHOUT ANY COLORING.
 - 2.3. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX., A TOP DIAMETER OF 50% OF THE BASE DIAMETER MIN. TO 65% OF THE BASE DIAMETER MAX. AND A HEIGHT OF 0.2".
 - 2.4. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX., AND A BASE-TO-BASE SPACING OF 0.85" MIN., MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
 - 2.5. THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" MIN. AND 8" MAX. FROM THE CURB LINE.
 - 2.6. DETECTABLE WARNING PLATE SHALL BE PI FROM CONCRETE JOINTS.
 - 2.7. COMPLY WITH MANUFACTURER'S INSTALLATION GUIDELINES.
3. SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.
4. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5% (1:20). THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.

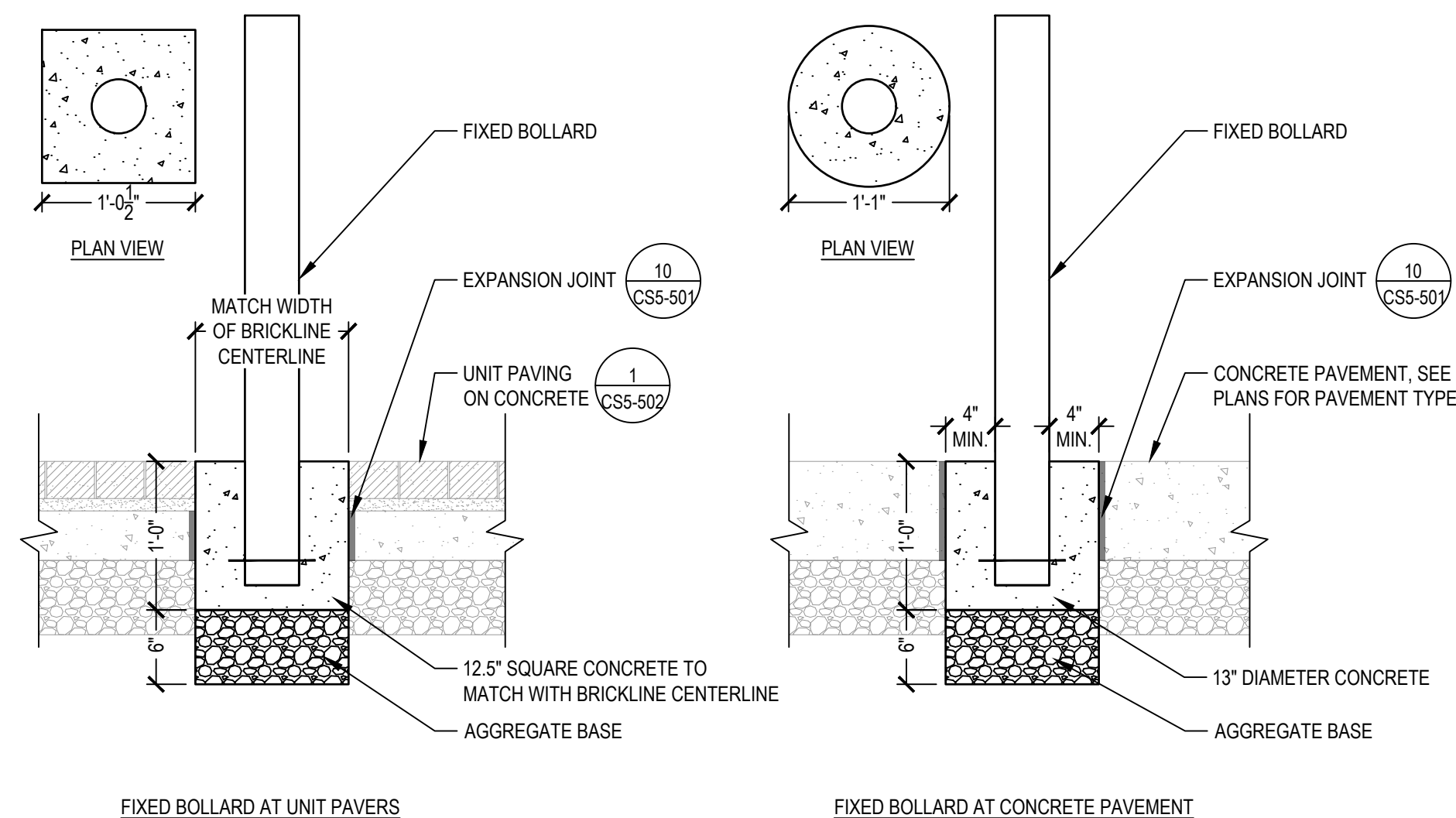


- 1 HEAVY DUTY CONCRETE PAVEMENT 7
CS5-501
- 2 AGGREGATE BASE
- 3 THICKENED CONCRETE 12"
- 4 DOWELED EXPANSION JOINT
(CENTERED ON CONCRETE PAD) 10
CS5-501
- 5 SAWCUT LINE (FIELD VERIFY
LOCATION WITH ENGINEER)
- 6 CONTROL JOINT (REFER TO
CONSTRUCTION PLANS FOR LOCATIONS) 10
CS5-501
- 7 EXISTING ROAD
- 8 ASPHALT PAVEMENT PATCHING 5
CS5-501
- 9 ASPHALT BUTT JOINT 4
CS5-501
- 10 REFER TO GRADING PLANS FOR RAMP
SLOPES AND FINISHED ELEVATIONS
- 11 UNIT PAVING ON CONCRETE 1
CS5-502
- 12 DETECTABLE WARNING STRIP, SET IN
CONCRETE PER MANUFACTURERS
RECOMMENDATIONS

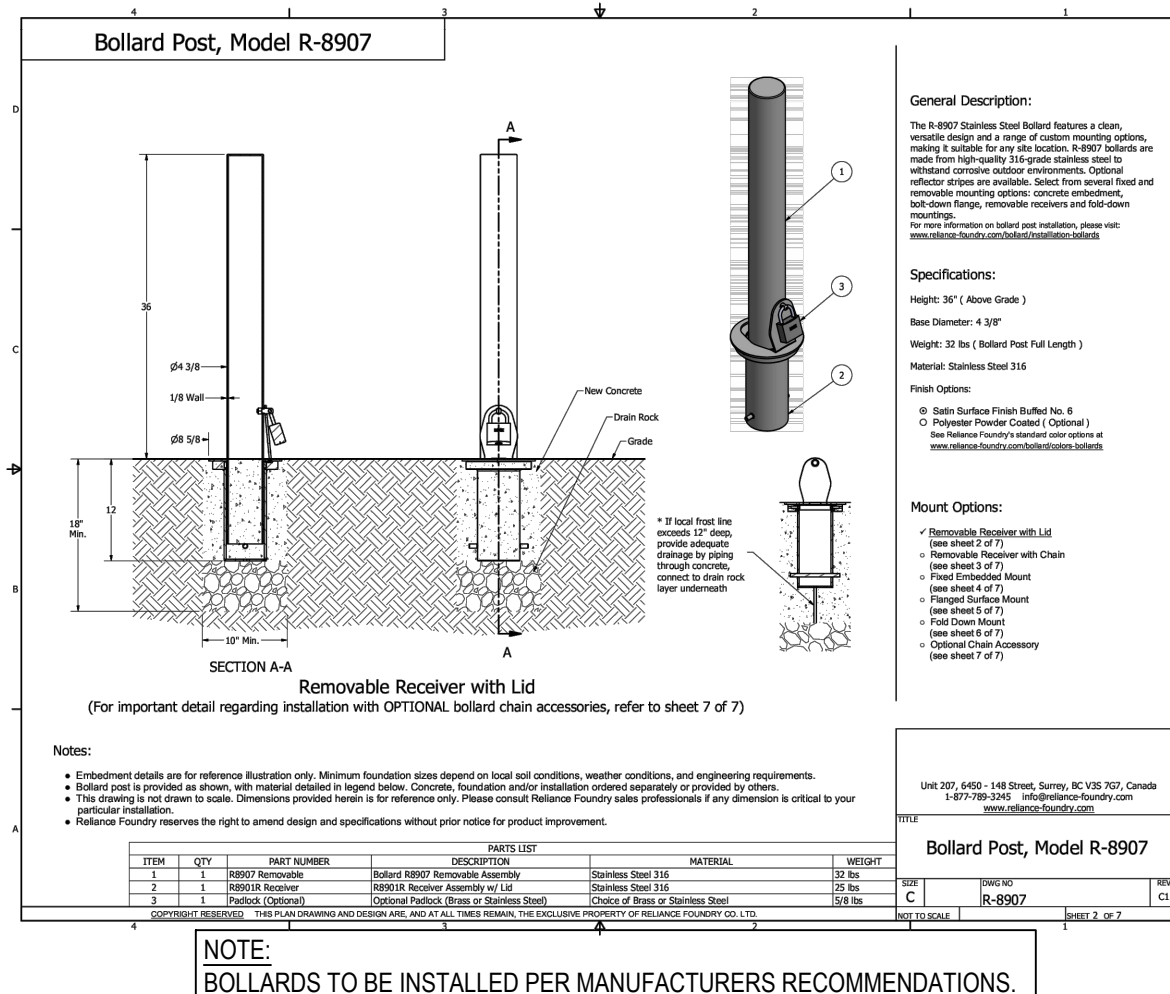
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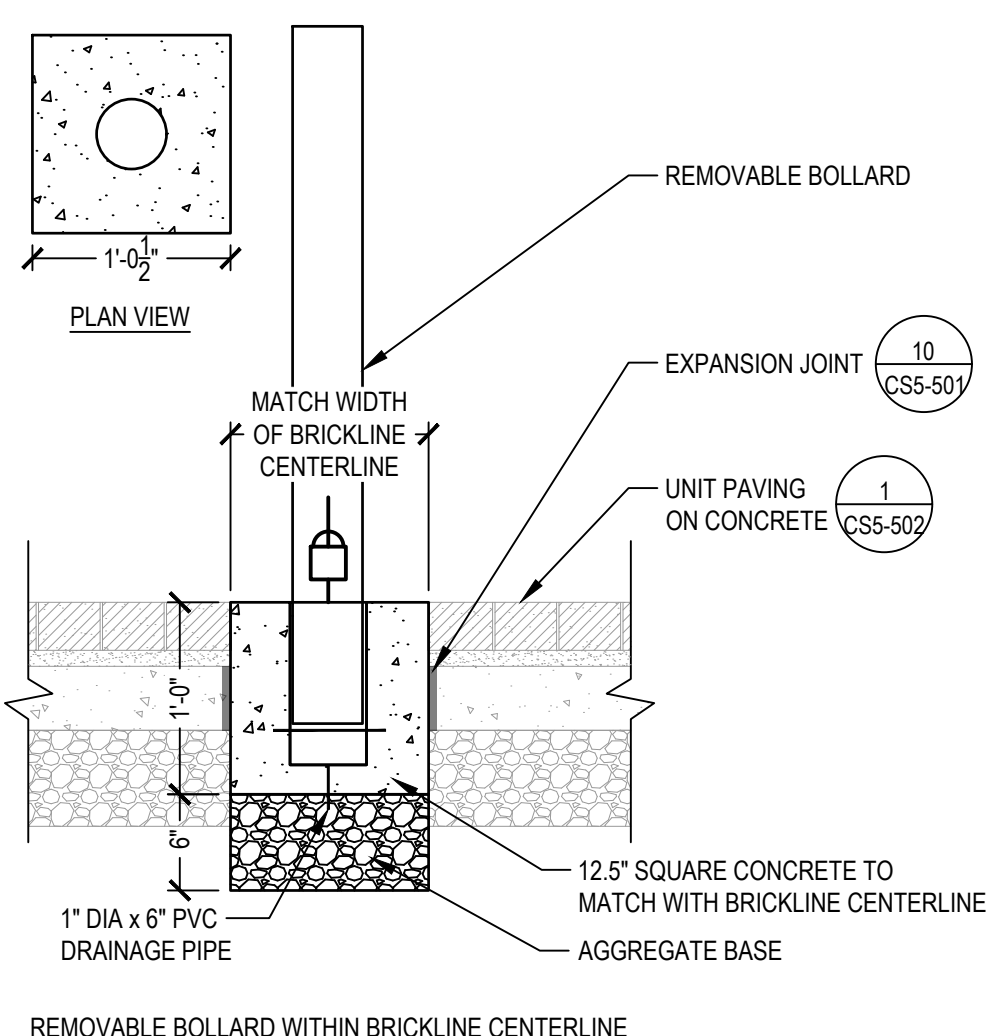
3 BOLLARD - FIXED



SCALE: 1" = 1'-0"



4 BOLLARD - REMOVABLE



REMOVABLE BOLLARD WITHIN CONCRETE PAVEMENT

REMOVABLE BOLLARD

EXPANSION JOINT 10 CS5-50V

CONCRETE PAVEMENT, SEE PLANS FOR PAVEMENT TYPE

13" DIAMETER CONCRETE

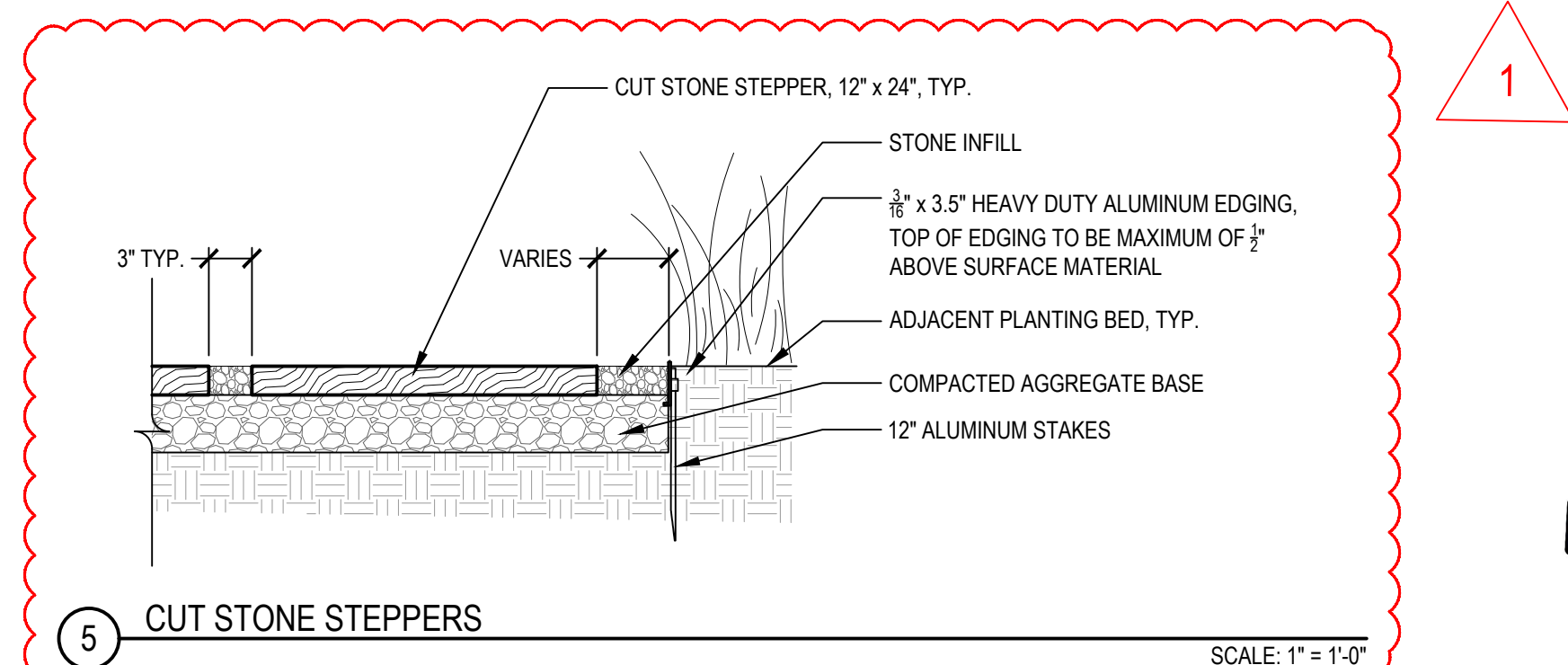
AGGREGATE BASE

1" DIA x 6" PVC DRAINAGE PIPE

1'-1" 4" MIN 4" MIN 10" 6"

PLAN VIEW

SCALE: 1" = 1'-0"



SCALE: 1" = 1'-0"

BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

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ISSUED FOR BID		08/13/2026

SEALS AND SIGNATURES



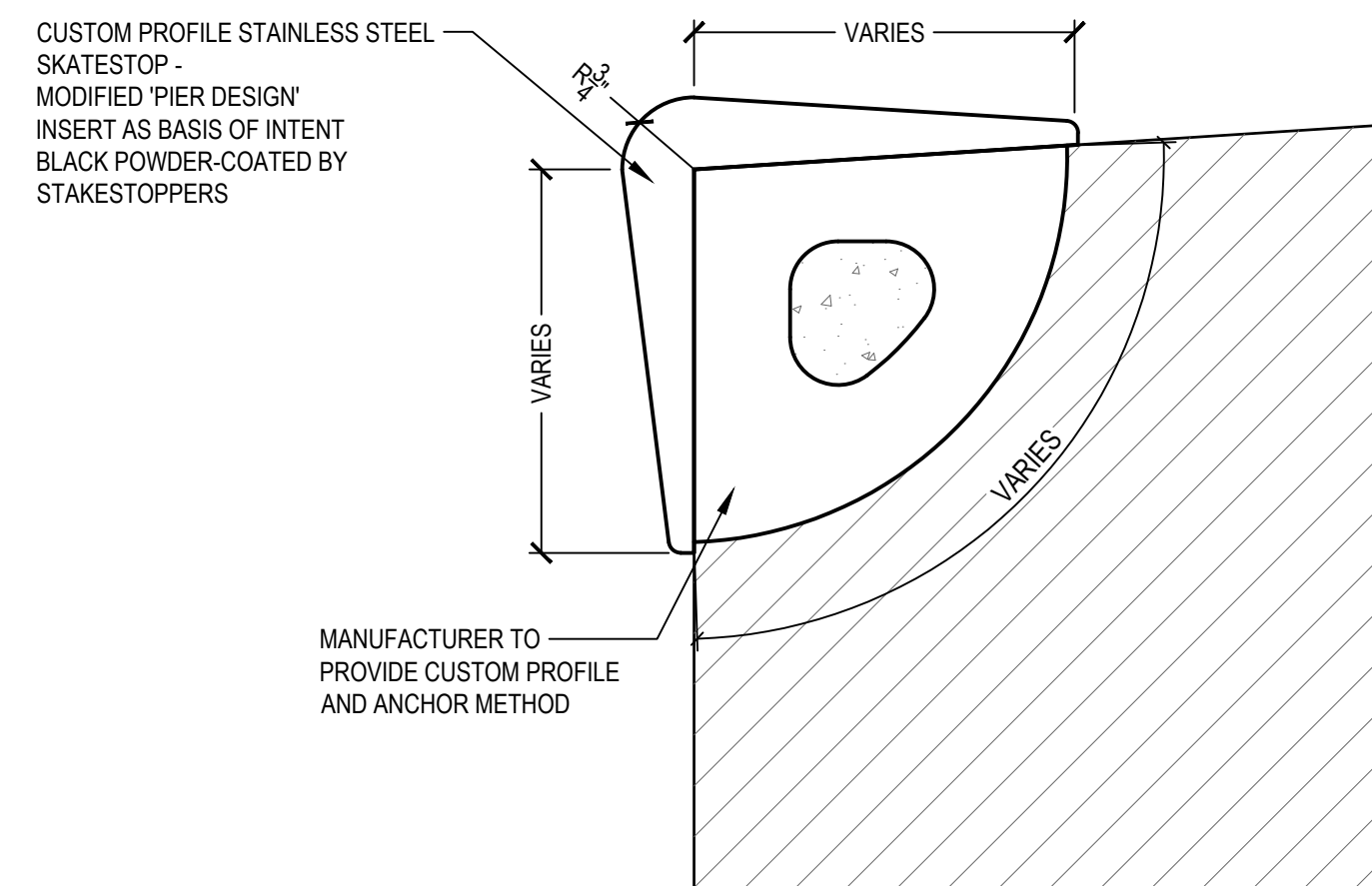
KEY PLAN

SITE DETAILS

PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

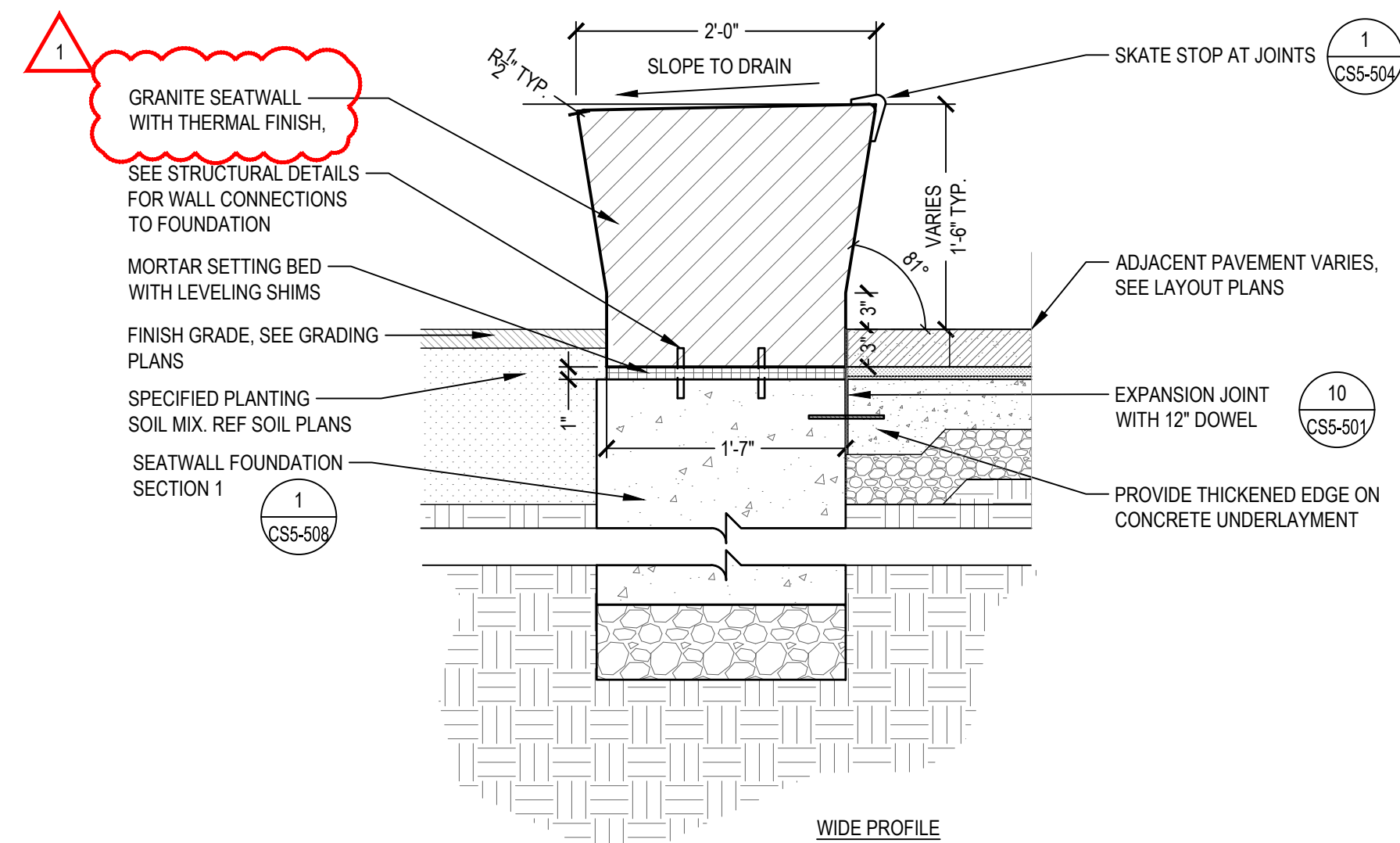
62 OF 174

CS5-503

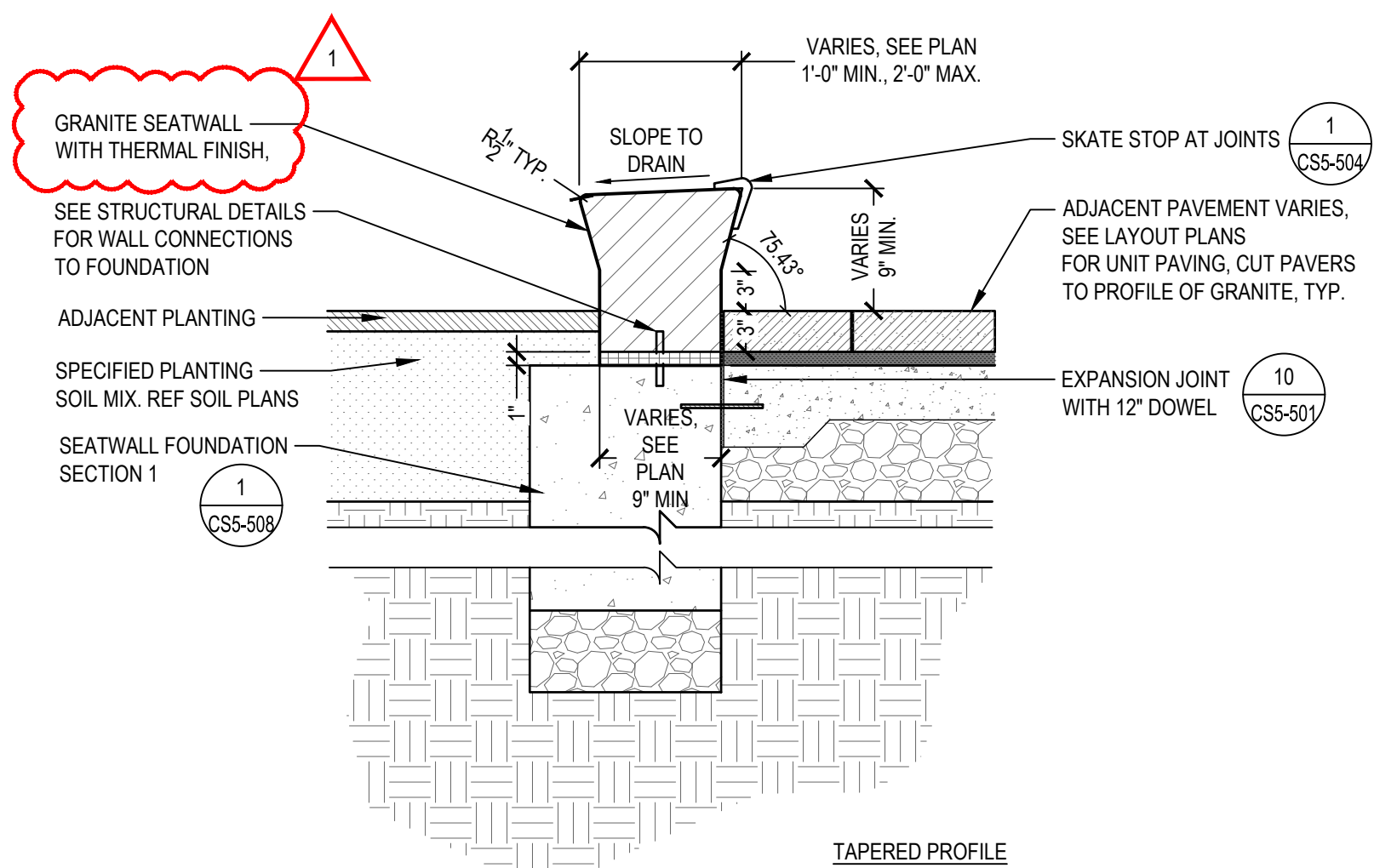


1 SKATE DETERRENT AT JOINTS

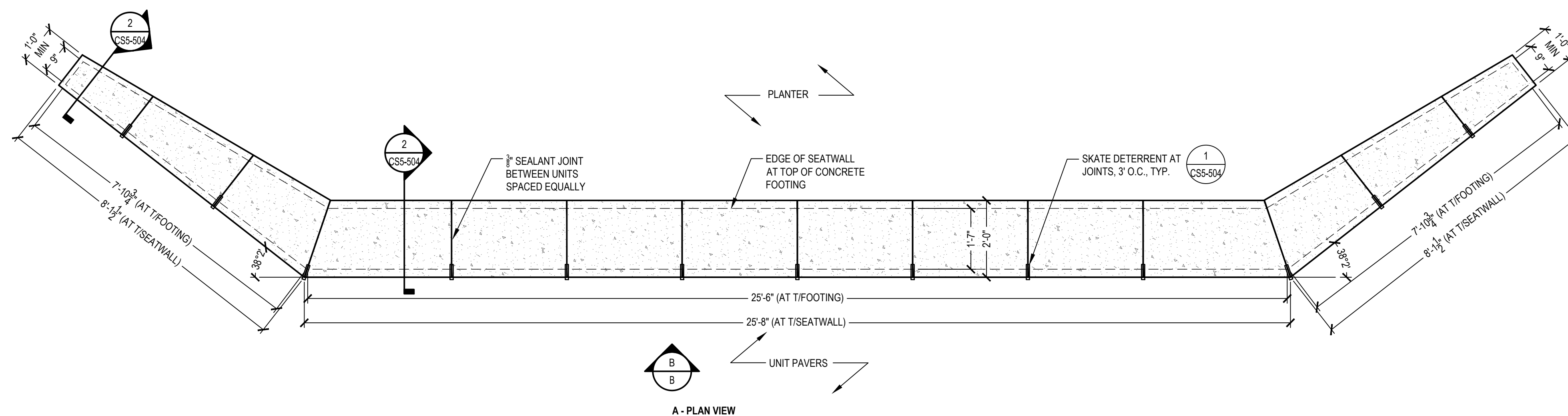
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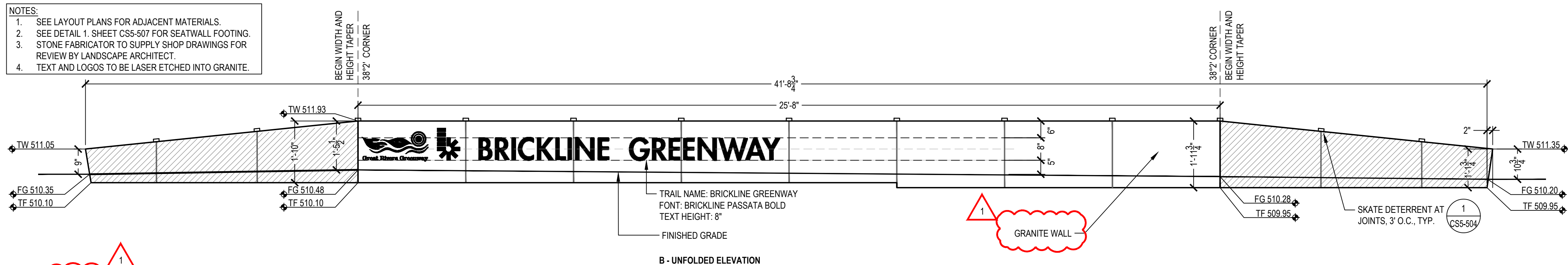
② SEATWALL



SCALE: 1' = 1'-0"



NOTES:	
1.	SEE LAYOUT PLANS FOR ADJACENT MATERIALS.
2.	SEE DETAIL 1. SHEET CS-507 FOR SEATWALL FOOTING.
3.	STONE FABRICATOR TO SUPPLY SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT.
4.	TEXT AND LOGOS TO BE LASER ETCHED INTO GRANITE.



② SEATWALL - GRANITE

SOUTH OF ENRIGHT AVE

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

BRICKLINE
GREENWAY NORTH
CONNECTOR
PHASE 2

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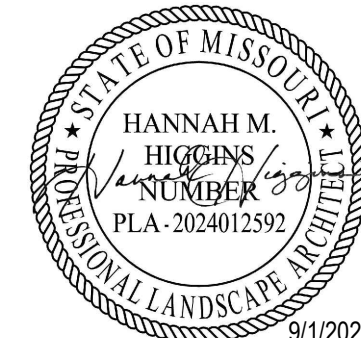
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BID ADDENDUM #1	1	09/01/2021
ISSUED FOR BID		08/13/2021

SEALS AND SIGNATURES:



KEY PLAN

DRAWING TITLE

SITE DETAILS

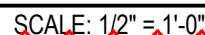
PROJECT NUMBER	00014654	GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2		
DRAWING NUMBER		

DRAWING NUMBER

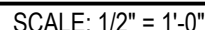
CS5-504

63 OF 174





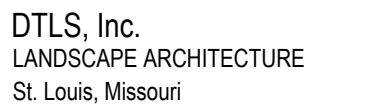
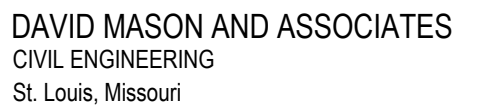
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TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:  Great Rivers Greenway

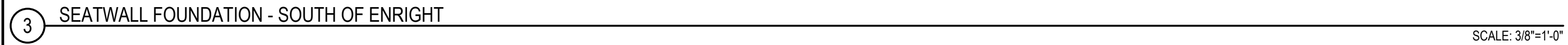
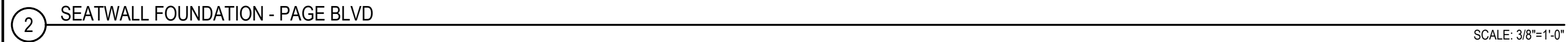
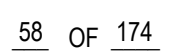
35 EAST WACKER
SUITE 900
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312.641.0770
www.smithgroup.com

SEALS AND SIGNATURES

DRAWING TITLE

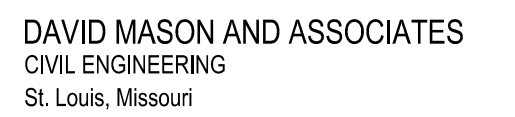
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MSD No: 25MSD-00083. MSD BASEMAP 17F2
DRAWING NUMBER

CS5-507



Client: Great Rivers Greenway

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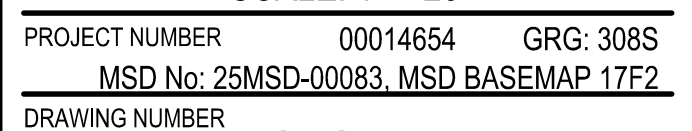


SEALS AND SIGNATURES
David Mason and Associates, Inc.:
Certificate of Authority Number 001103



A map of the study area showing the intersection of Washington Ave and Spring Ave. The map includes several streets: Washington Ave (top), Enright Ave, Bell Ave, Windsor Pl, Finney Ave, Cosgrove Ave, Phase Blvd, Delmar Blvd, Rindel Square, and Spring Ave (bottom). A black shaded area is located at the intersection of Washington Ave and Spring Ave, indicating the study area.

GRADING PLAN - SPRING - AREA 5



CS6-105



1. ALL CONCRETE PAVEMENT RUNNING SLOPES AND CROSS SLOPES OF PEDESTRIAN ROUTES, INCLUDING THE GREENWAY TRAIL, SHALL BE WITHIN REGULATORY REQUIREMENTS. ANY FLATWORK EXCEEDING THE MAXIMUM OR LESS THAN REGULATORY MINIMUM IS NOT COMPLIANT AND WILL REQUIRE CORRECTION.

PROJECT LIMITS

TEMPORARY CONSTRUCTION EASEMENT LIMITS

515 PROPOSED CONTOUR-MAJOR

514 PROPOSED CONTOUR-MINOR

515 EXISTING CONTOUR-MAJOR

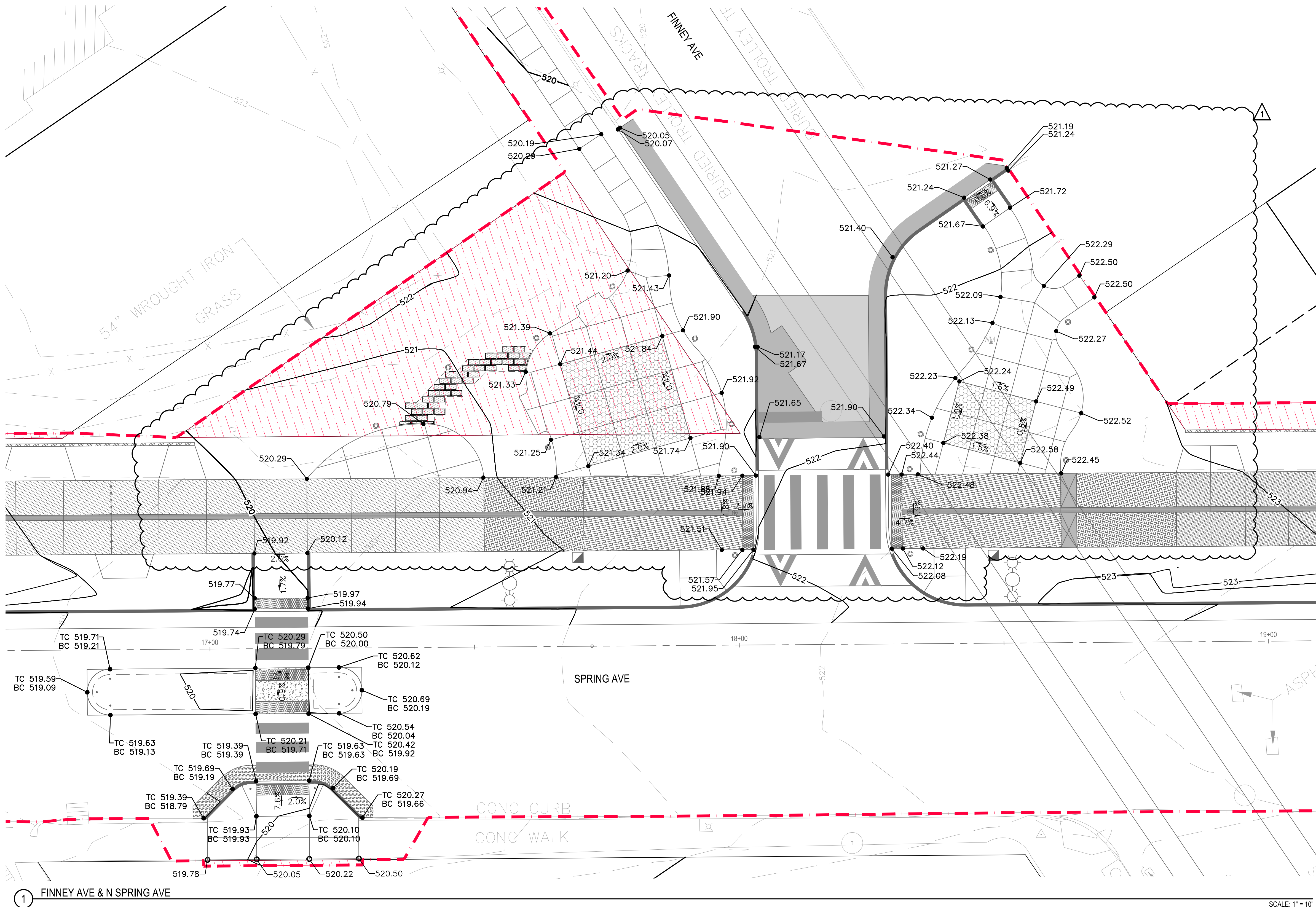
514 EXISTING CONTOUR-MINOR

515.25 EXISTING SPOT GRADE

515.25 PROPOSED SPOT GRADE

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1 FINNEY AVE & N SPRING AVE

SCALE: 1" = 10'

SHEET NOTES

- ALL CONCRETE PAVEMENT RUNNING SLOPES AND CROSS SLOPES OF PEDESTRIAN ROUTES, INCLUDING THE GREENWAY TRAIL, SHALL BE WITHIN REGULATORY REQUIREMENTS. ANY FLATWORK EXCEEDING THE MAXIMUM OR LESS THAN REGULATORY MINIMUM IS NOT COMPLIANT AND WILL REQUIRE CORRECTION.

KEYED NOTES

LEGEND

- PROJECT LIMITS
- TEMPORARY CONSTRUCTION EASEMENT LIMITS
- PROPOSED CONTOUR-MAJOR
- PROPOSED CONTOUR-MINOR
- EXISTING CONTOUR-MAJOR
- EXISTING CONTOUR-MINOR
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE

BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:



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DTLS, Inc.
LANDSCAPE ARCHITECTURE
St. Louis, Missouri



LOCHMUELLER GROUP
TRAFFIC ENGINEER
St. Louis, Missouri



GRICE GROUP
ARCHITECTURE
St. Louis, Missouri

ISSUED FOR

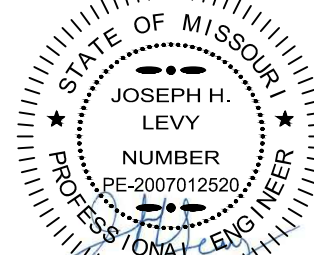
REV DATE

BID ADDENDUM #1
ISSUED FOR BID

1 09/01/2026
8/13/2026

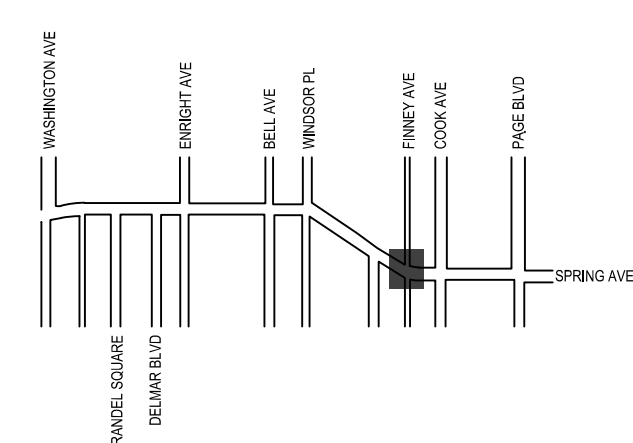
SEALS AND SIGNATURES

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08/13/2026
Joseph H. Levy, P.E.
MO License: 2007012520

KEY PLAN



DRAWING TITLE

ENLARGED GRADING
PLANS

SCALE: 1" = 10'

PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

78 OF 174

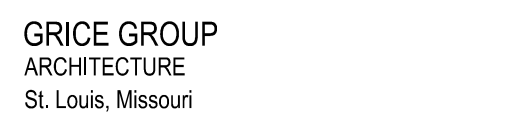
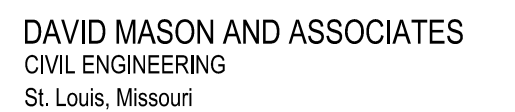
CS6-404



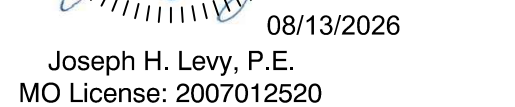
TAP #9901(688)
CDBG# B-23-CP-MO-0886

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UTILITY PLAN - SPRING - AREA 5



85 OF 174 CU1-105



1. PAVEMENT MARKING HAVE BEEN REMOVED TO PROVIDE CLARITY

A DRINKING FOUNTAIN TO BE DISCHARGED TO GRAVEL DRAIN, SEE DETAIL 3/CU1-501.

B ELECTRICAL IMPROVEMENTS BY AMEREN TO BE COORDINATED WITH THE CONTRACTOR.

	TROLLEY LINE		EXISTING SEWER MANHOLE DESIGNATOR		OVERHEAD ELECTRIC LINE
	PROJECT LIMITS		EXISTING STORM INLET DESIGNATOR		WATER LINE
	SEWER (6" THRU 18")		PROPOSED SEWER MANHOLE DESIGNATOR		GAS LINE
	SEWER (18" THRU 108")		PROPOSED STORM INLET DESIGNATOR		6" WATER LINE
	MANHOLE		WATER METER		
	CURB INLET / INLET MANHOLE		IRRIGATION CONTROL VALVE		
	GRATE INLET		WATER VALVE		
	GRATED MANHOLE		FIRE HYDRANT		



95 OF 174

EVOLVE

ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

The Evolve® LED Roadway ERL1 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass Corrosion resistant powder paint, ± 2.0 mil thickness
Paint:	(RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	12.4 lbs (5.6 kg)

Optical System

Lumens:	2000 - 15700
Distribution:	Type II, III, IV, Type II Narrow and Type II Enhanced Backlight
Efficacy:	111-140 LPW
CCT:	2700K, 3000K, 4000K and 5000K
CR:	170

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	> 90% at rated watts
Total Harmonic Distortion: < 20% at rated watts	

Surge Protection*

STANDARD	OPTIONAL
☐ 10K/5KA	☐ Secondary 10K/5KA (R Option) or Secondary 20K/10KA (T Option)

*Per ANSI C136.2-2018

SB1

EVOLVE

ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

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Power Factor:	> 90% at rated watts
Total Harmonic Distortion: < 20% at rated watts	

Surge Protection*

STANDARD	OPTIONAL
☐ 10K/5KA	☐ Secondary 10K/5KA (R Option) or Secondary 20K/10KA (T Option)

*Per ANSI C136.2-2018

SB2

Current®

gcurrent.com/brands/evolve

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(Rev. January 4, 2023) 01790
049381_004

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(Rev. January 4, 2023) 01790
049381_004

BRICKLINE
GREENWAY NORTH
CONNECTOR
PHASE 2
TAP #9901(688)
CDBG# B-23-CP-MO-0886

SMITHGROUP



GRICE GROUP
ARCHITECTURE
St. Louis, Missouri

BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

KEY PLAN

CITY LIGHTING SPECIFICATION

The logo for Missouri 811, featuring the word "MISSOURI" in a bold, black, sans-serif font with a yellow outline, and the number "811" in a large, bold, black font with a yellow outline. Below the number is a stylized shovel icon with a brown handle and a silver head.

E1-501

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TAP #9901(688)
CDBG# B-23-CP-MO-0886



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St. Louis, Missouri



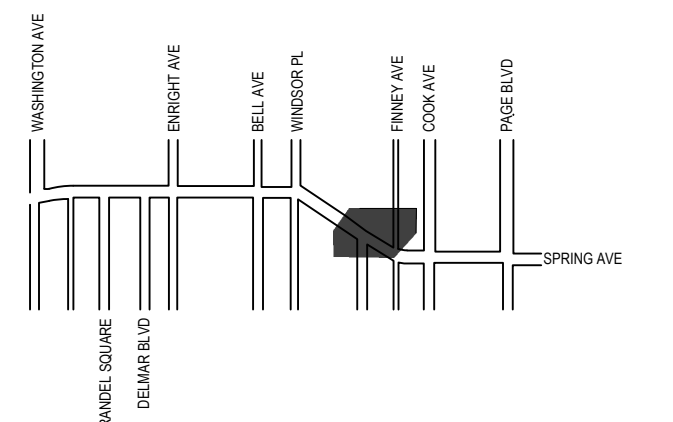
GRICE GROUP
ARCHITECTURE
St. Louis, Missouri

ISSUED FOR	REV	DATE
BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

SEALS AND SIGNATURES

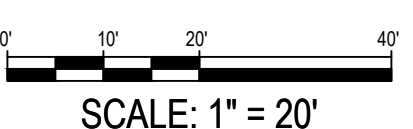


KEY PLAN



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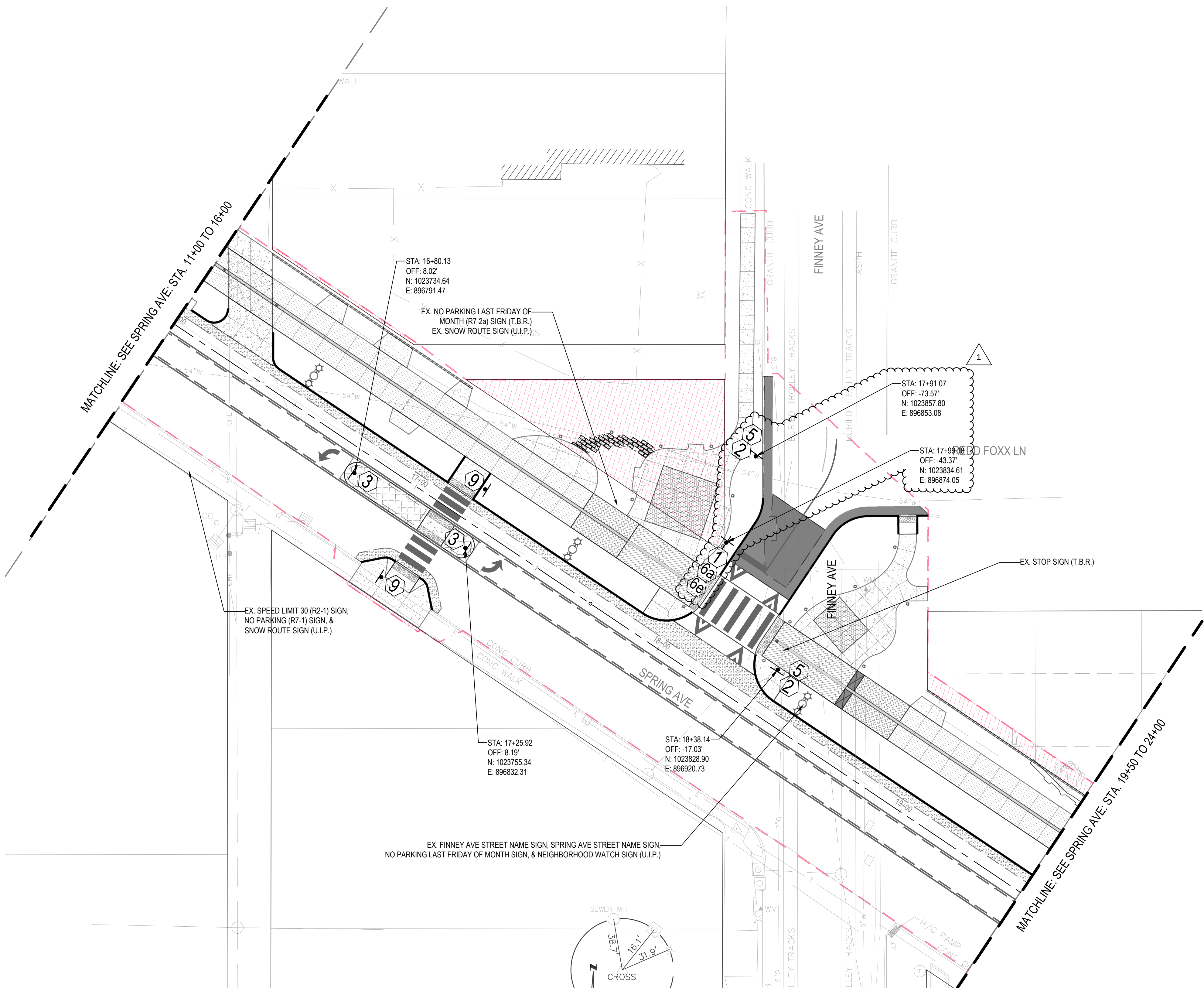
REGULATORY
SIGNAGE PLAN -
SPRING - AREA 5



PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

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CS7-105



SPRING AVE: STA. 16+00 TO 19+50

SHEET NOTES

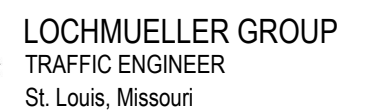
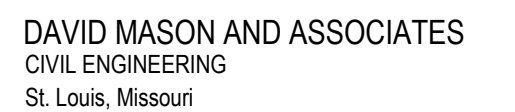
1. BASIS OF BEARINGS ARE GRID NORTH BASED ON GPS OBSERVATIONS (MISSOURI STATE PLANE COORDINATE SYSTEM NAD 1983, EAST ZONE - 2011)
2. VERTICAL CONTROL WAS ESTABLISHED USING TRIMBLE MODEL R8 GPS EQUIPMENT AND BASED ON GPS OBSERVATIONS FROM CONTINUOUSLY OPERATING REFERENCE STATIONS "MOFE", "MOSI", AND "MOBF" (NAVD-1988)

LEGEND

PROPERTY LINE	2'-18" SEWER LINE	GAS METER	TELEPHONE MANHOLE	SEWER MANHOLE	PROPOSED SIGN	R4-7 (KEEP RIGHT)	R6-1R (ONE WAY, RIGHT)	R3-9b (TWO-WAY LEFT TURN ONLY)
RIGHT-OF-WAY LINE	21" SEWER LINE	UTILITY PULL BOX	LIGHT STANDARD	YARD DRAIN				
UNDERGROUND ELECTRIC LINE	MINOR CONTOUR	UTILITY VAULT BOX	TRAFFIC SIGNAL	SEWER JUNCTION	PROPOSED SIGN (BACK TO BACK)	R2-1 (SPEED LIMIT, 35 MPH)	R5-1 (DO NOT ENTER)	R7-200 (PARKING LIMITATIONS)
OVERHEAD ELECTRIC LINE	MAJOR CONTOUR	WATER METER	STREET SIGN					
ELECTRIC MANHOLE		IRRIGATION CONTROL VALVE	PARKING METER	PROJECT LIMITS	R1-1 (STOP)	W17-1 (SPEED HUMP)	RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY	
POWER POLE		WATER VALVE	BOLLARD	FENCE LINE	W16-7p (Diagonal Downward Arrow)	STREET NAME SIGN "X"		
POWER POLE W/ GUY WIRE		FIRE HYDRANT	STORM INLET	TROLLEY LINE				
GAS LINE		WATER MANHOLE	GRATE MANHOLE					
COMMUNICATIONS LINE			GRATE INLET					

Client: Great Rivers Greenway

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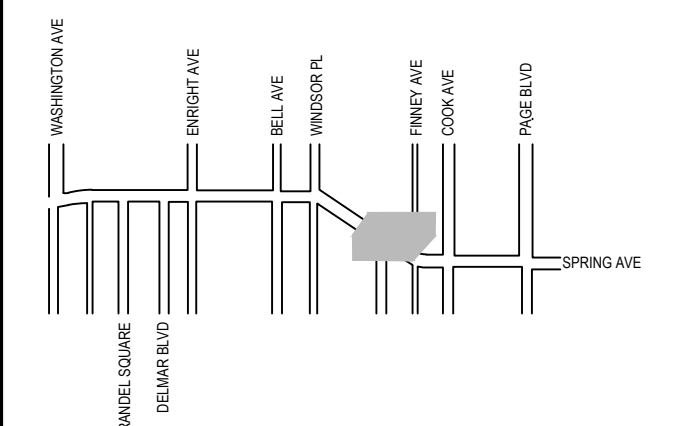


ISSUED FOR	REV	DATE
BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

SEALS AND SIGNATURES



KEY PLAN

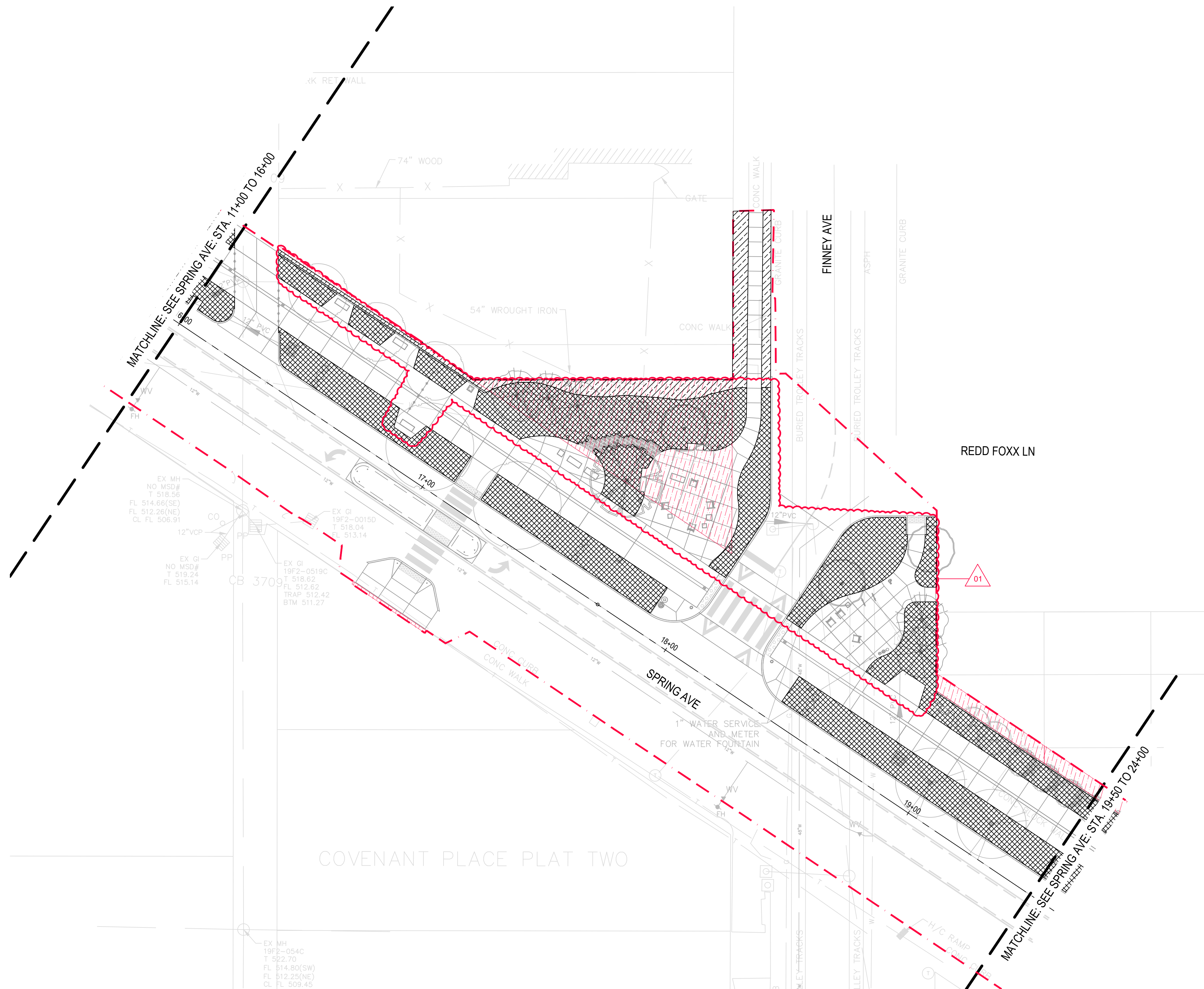


DRAWING TITLE

PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

143 OF 174

L1-105



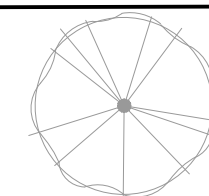
SPRING AVE: STA. 16+00 TO 19+50

1. GRADING AND SUBGRADE PREPARATION SHALL BE COMPLETED PRIOR TO SOIL PREPARATION. SEE CIVIL DRAWINGS FOR COMPLETE GRADING PLAN.
2. PLANTING AREAS SHALL BE FREE OF ALL WEEDS (PLANTS NOT SPECIFIED IN PLANTING AREAS), STONES, STUMPS, ROOTS, OR OTHER DEBRIS 1-INCH IN DIAMETER AND GREATER.
3. SOIL SHALL BE GRADED TO A SMOOTH AND EVEN SURFACE CONFORMING TO REQUIRED FINISH GRADE. FINISH GRADE ADJACENT TO WALKS, PAVED AREAS, CURBS, MANHOLES, CLEANOUTS, VALVE BOXES, AND SIMILAR FEATURES SHALL BE 1-INCH BELOW THE SURFACE IN TURF AND 2-INCHES BELOW IN GROUND COVER/SHRUB AREAS. GRADES BETWEEN SUCH FEATURES SHALL BE CAREFULLY SUSTAINED AND BLENDED TO ELIMINATE ABRUPT CHANGES.
4. CONTRACTOR SHALL ALLOW FOR SOIL AMENDMENTS WHEN ESTABLISHING SUB GRADE ELEVATIONS. ALL PLANTING AREAS SHALL HAVE A FINISH GRADE CONFORMING TO APPROVED PLANS AND SPECIFICATIONS AFTER FULL SETTLING OF SOIL.
5. INSPECTION SHALL BE MADE DURING AND AT THE COMPLETION OF FINE GRADING (FILL/BACKFILL AND EXCAVATION). IF GRADING IS NOT SATISFACTORY, ADDITIONAL GRADING SHALL BE PERFORMED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT UNTIL WORK CONFORMS TO THE PLANS.

6. BEFORE MIXING, CLEAR TOPSOIL OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
7. MIX SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY TESTING LAB. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN 5 DAYS.
8. TOPSOIL FOR THE LANDSCAPE WORK SHALL BE FURNISHED BY THE LANDSCAPE CONTRACTOR. TOPSOIL MUST BE FURNISHED AS SPECIFIED. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO DETERMINE SOURCE OF TOPSOIL WHICH MEETS SPECIFICATIONS, OR CAN BE AMENDED TO MEET SPECIFICATIONS.
9. OBTAIN TOPSOIL FROM LOCAL SOURCES. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4 INCHES; DO NOT OBTAIN FROM BOGS OR MARSHES.
10. TEST AND ANALYSIS OF THE PROPOSED MATERIAL SHALL BE PERFORMED BY THE LOCAL STATE AGRICULTURAL EXPERIMENT STATION, OR ANY AGRICULTURAL LABORATORY RECOMMENDED BY THE U.S. DEPARTMENT OF AGRICULTURE, AND SHALL MEET THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.

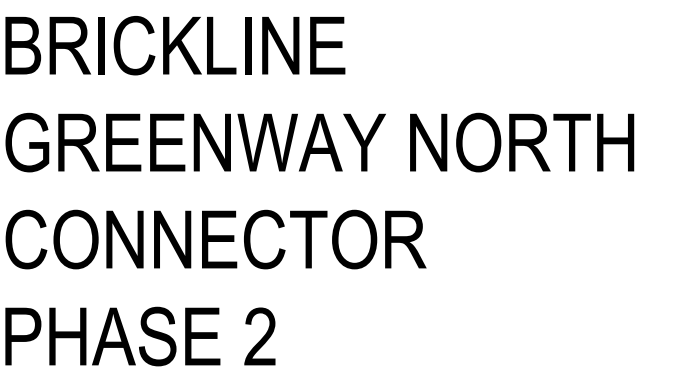
11. IN ALL LAYDOWN AREAS WHERE LIMESTONE GRAVEL WAS USED OR DUMPED, THE AGGREGATE SURFACING AND ANY ASSOCIATED FILTER FABRIC SHOULD BE COMPLETELY REMOVED FROM ALL PLANTING AREAS. ANY AREAS DISTURBED BY CONSTRUCTION AND/OR EQUIPMENT AND MATERIALS SHALL BE TILLED OR SCARIFIED TO A MINIMUM DEPTH OF 18" TO ALLEVIATE SOIL COMPACTION. ALL DISTURBED AREAS SHALL BE SODDED.
12. REFER TO DETAILS 11L1-501, 21L1-501, 31L1-501 FOR FURTHER SOIL REQUIREMENTS RELATED TO TREE PLANTINGS.
13. REFER TO JSP 50 & JSP 51 FOR FURTHER REQUIREMENTS.

	RIGHT-OF-WAY LINE
	PROJECT LIMITS
	TEMPORARY CONSTRUCTION EASEMENT LIMITS
	PLANTING SOIL, 1/1L-501 & JSP-51
	PLANTING SOIL AT TURF, 2/L1-501 & JSP-51
	PLANTING SOIL, 3/L1-501 & JSP-51
	STRUCTURAL SOIL, 4/L1-501 & JSP-50



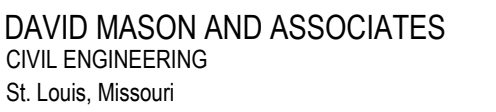
PROPOSED TREES:
SYMBOLS VARY,
SEE L2 SERIES





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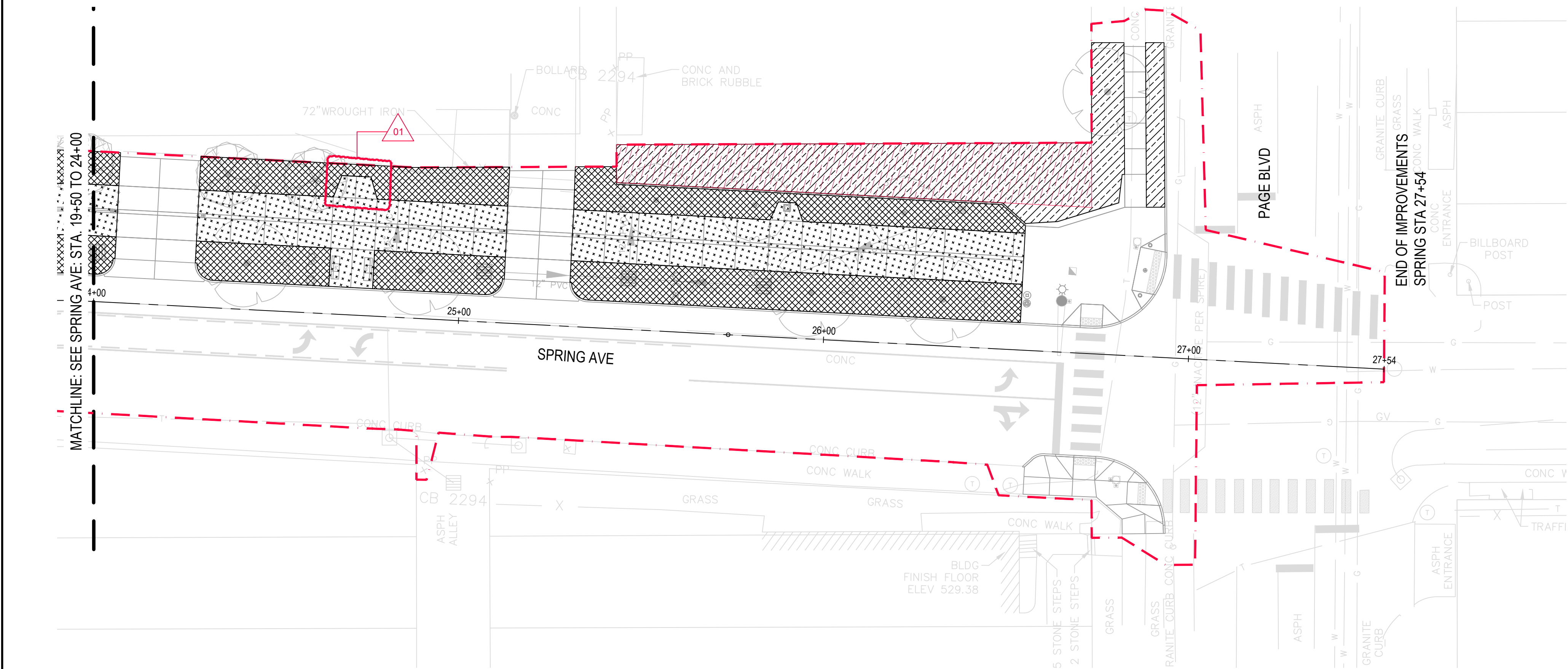
SEALS AND SIGNATURES

0' 10' 20' 40'

SCALE: 1" = 20'

L1-107

145 OF 174



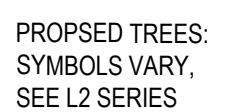
SPRING AVE: STA. 24+00 TO 27+54

1. GRADING AND SUBGRADE PREPARATION SHALL BE COMPLETED PRIOR TO SOIL PREPARATION. SEE CIVIL DRAWINGS FOR COMPLETE GRADING PLAN.
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6. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
7. MIX SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY TESTING LAB. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN 5 DAYS.
8. TOPSOIL FOR THE LANDSCAPE WORK SHALL BE FURNISHED BY THE LANDSCAPE CONTRACTOR. TOPSOIL MUST BE FURNISHED AS SPECIFIED. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO DETERMINE SOURCE OF TOPSOIL WHICH MEETS SPECIFICATIONS, OR CAN BE AMENDED TO MEET SPECIFICATIONS.
9. OBTAIN TOPSOIL FROM LOCAL SOURCES. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SOILS WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4 INCHES; DO NOT OBTAIN FROM BOGS OR MARSHES.
10. TEST AND ANALYSIS OF THE PROPOSED MATERIAL SHALL BE PERFORMED BY THE LOCAL STATE AGRICULTURAL EXPERIMENT STATION, OR ANY AGRICULTURAL LABORATORY RECOMMENDED BY THE U.S. DEPARTMENT OF AGRICULTURE, AND SHALL MEET THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.

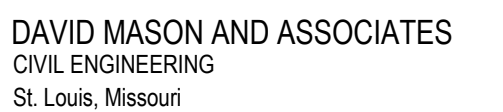
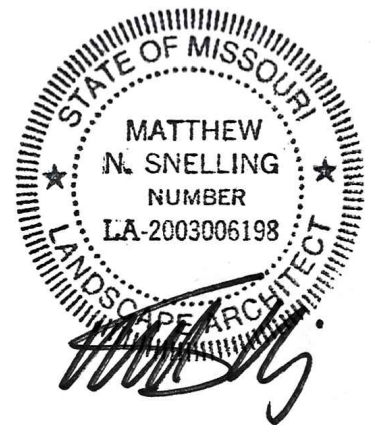
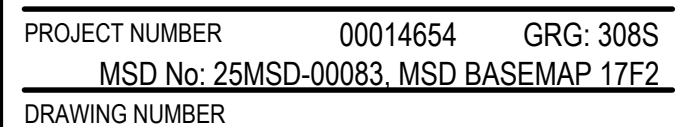
- ## LEGEND

- | | |
|--|--|
| | RIGHT-OF-WAY LINE |
| | PROJECT LIMITS |
| | TEMPORARY CONSTRUCTION EASEMENT LIMITS |
| | PLANTING SOIL, 1/1L-501 & JSP-51 |
| | PLANTING SOIL AT TURF, 2/L1-501 & JSP-51 |
| | PLANTING SOIL, 3/L1-501 & JSP-51 |
| | STRUCTURAL SOIL, 4/L1-501 & JSP-50 |



Client: Great Rivers Greenway

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SEALS AND SIGNATURESLANDSCAPE PLAN -
SPRING - AREA 2

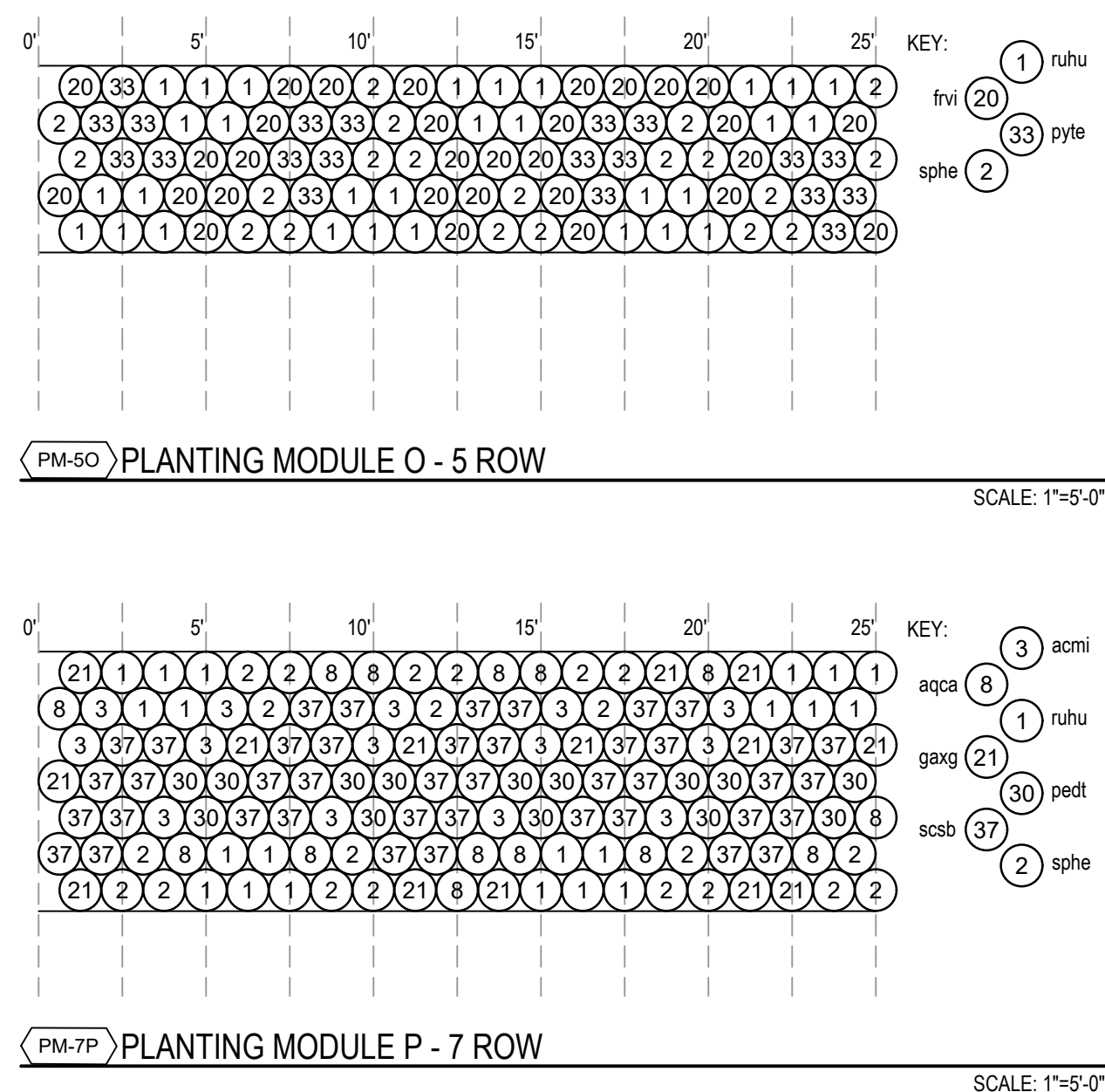
148 OF 174

L2-102



NOTES:

- 1) ALL PLANT BEDS TO BE INSTALLED WITH SPRING BULBS ("Narc" - NARCISSEUS OR SIMILAR), WITH TRIANGULAR SPACING, 30" O.C. SEE SCHEDULE ON SHEET L2-501 FOR QUANTITIES
- 2) ALL PLANT BEDS TO BE INSTALLED WITH LANDSCAPE PROTECTION BARRIER AT PERIMETER PER DETAIL 6L2-501
- 3) PLANTING MODULES ARE INTENDED TO REPEAT CONTINUALLY THROUGH MULTIPLE PLANTERS AND ACROSS INTERRUPTIONS FROM DRIVES, WALKS, AND ADJACENT PLANTINGS UNLESS OTHERWISE NOTED



<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>QTY</u>	
TREES						
QUCO	Quercus coccinea	Scarlet Oak	3.5" Cal.	#45,#65,#95/100 Acceptable	8	
SHRUBS						
ILVB	Ilex verticillata 'FarrowBPop'	Berry Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	33	
ILVM	Ilex verticillata 'FarrowMrP'	Mr. Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	6	
RHAG	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	2' Ht.	#3, #5, #7, #10 Acceptable	47	
<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>	<u>QTY</u>
GROUND COVERS						
acmi	Achillea millefolium	Common Yarrow	1 qt.	Cont.	15" o.c.	29
aqca	Aquilegia canadensis	Eastern Columbine	1 qt.	Cont.	15" o.c.	29
cain	Callirhoe involucrata	Purple Poppymallow	1 qt.	Cont.	15" o.c.	80
capr	Carex praegracilis	California Field Sedge	2"x5" DC	Plug	15" o.c.	196
frvi	Fragaria virginiana	Wild Strawberry	2"x5" DC	Plug	12" o.c.	334
gaxg	Gaillardia x grandiflora	Blanketflower	2"x5" DC	Plug	15" o.c.	29
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c.	354
oema	Oenothera macrocarpa	Evening Primrose	1 qt.	Cont.	15" o.c.	80
pedt	Penstemon x 'Dark Towers'	Dark Towers Beardtongue	1 qt.	Cont.	15" o.c.	29
pyte	Pycnanthemum tenuifolium	Slender Mountain Mint	1 qt.	Cont.	15" o.c.	143
ruhu	Ruellia humilis	Wild Petunia	1 qt.	Cont.	15" o.c.	257
scsb	Schizachyrium scoparium 'Blaze'	Blaze Little Bluestem	1 qt.	Cont.	15" o.c.	86
seed	Turf Seed Fescue Blend	seed	seed			363 sf
sphe	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Cont.	15" o.c.	302



149 OF 174



TAP #9901(688)
CDBG# B-23-CP-MO-0886

SMITHGROUP

DAVID MASON AND ASSOCIATES
CIVIL ENGINEERING
St. Louis, Missouri

 **LOCHMUELLER GROUP**
TRAFFIC ENGINEER
St. Louis, Missouri

ISSUED FOR	REV	DATE
BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

STATE OF MISSOURI
MATTHEW
N. SNELLING
NUMBER
LA-2003006198
LANDSCAPE ARCHITECT

A map of the area around the intersection of Washington Ave and Spring Ave. The map shows several streets: Washington Ave (top), Spring Ave (right), and a vertical street on the left. The vertical street has labels for Washington Ave, Grand Square, Delmar Blvd, and Knight Ave. The horizontal street has labels for Knight Ave, Bell Ave, Windsor Pl, Prince Ave, Cook Ave, and Page Blvd. A grey shaded area is located at the intersection of Washington Ave and Spring Ave, indicating the proposed development site.

LANDSCAPE PLAN -
SPRING - AREA 4

PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

150 OF 174

L2-104



NOTES:

- 1) ALL PLANT BEDS TO BE INSTALLED WITH SPRING BULBS ("Narc-
NARCISSSUS OR SIMILAR), WITH
TRIANGULAR SPACING, 30" O.C.
SEE SCHEDULE ON SHEET L2-501
FOR QUANTITIES
- 2) ALL PLANT BEDS TO BE INSTALLED
WITH LANDSCAPE PROTECTION
BARRIER AT PERIMETER PER
DETAIL 612-501
- 3) PLANTING MODULES ARE
INTENDED TO REPEAT
CONTINUALLY THROUGH
MULTIPLE PLANTERS AND
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DRIVES, WALKS, AND ADJACENT
PLANTINGS UNLESS OTHERWISE
NOTED

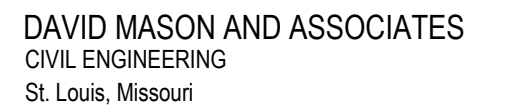
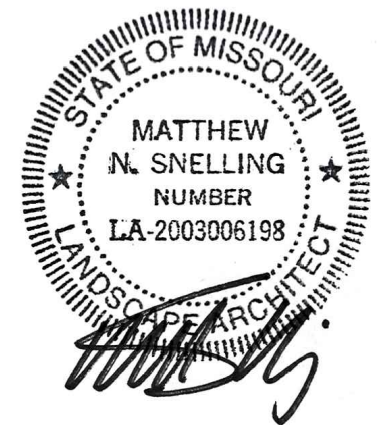


<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>	<u>QTY</u>
<u>GROUND COVERS</u>						
acmi	Achillea millefolium	Common Yarrow	1 qt.	Cont.	15" o.c.	145
aqca	Aquilegia canadensis	Eastern Columbine	1 qt.	Cont.	15" o.c.	145
asve	Asclepias verticillata	Whorled Milkweed	1 qt.	Cont.	15" o.c.	155
cain	Callirhoe involucrata	Purple Poppymallow	1 qt.	Cont.	15" o.c.	28
capr	Carex praegracilis	California Field Sedge	2"x5" DC	Plug	15" o.c.	256
cola	Coreopsis lanceolata	Lanceleaf Tickseed	1 qt.	Cont.	15" o.c.	155
ersp	Eragrostis spectabilis	Purple Lovegrass	1 qt.	Cont.	15" o.c.	214
eryp	Eryngium yuccifolium 'Prairie Moon'	Prairie Moon Rattlesnake Master	1 qt.	Cont.	15" o.c.	155
euma	Euphorbia marginata	Snow-on-the-Mountain	2"x5" DC	Plug	15" o.c.	85
frvi	Fragaria virginiana	Wild Strawberry	2"x5" DC	Plug	12" o.c.	427
gxgx	Gaillardia x grandiflora	Blanketflower	2"x5" DC	Plug	15" o.c.	145
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c.	783
oema	Oenothera macrocarpa	Evening Primrose	1 qt.	Cont.	15" o.c.	206
pain	Parthenium integrifolium	Wild Quinine	1 qt.	Cont.	15" o.c.	155
pedt	Penstemon x 'Dark Towers'	Dark Towers Beardtongue	1 qt.	Cont.	15" o.c.	145
pymu	Pycnanthemum muticum	Blunt Mountainmint	1 qt.	Cont.	15" o.c.	97
pyte	Pycnanthemum tenuifolium	Slender Mountain Mint	1 qt.	Cont.	15" o.c.	182
ruhu	Ruellia humilis	Wild Petunia	1 qt.	Cont.	15" o.c.	852
ruma	Rudbeckia maxima	Large Coneflower	1 qt.	Cont.	15" o.c.	155
scin	Scutellaria incana	Downy Skullcap	1 qt.	Cont.	15" o.c.	130
scsb	Schizachyrium scoparium 'Blaze'	Blaze Little Bluestem	1 qt.	Cont.	15" o.c.	435
scst	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	1 gal.	Cont.	15" o.c.	232
seed	Turf Seed Fescue Blend		seed			937 sf
sphe	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Cont.	15" o.c.	969



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SEALS AND SIGNATURESLANDSCAPE PLAN -
SPRING - AREA 5

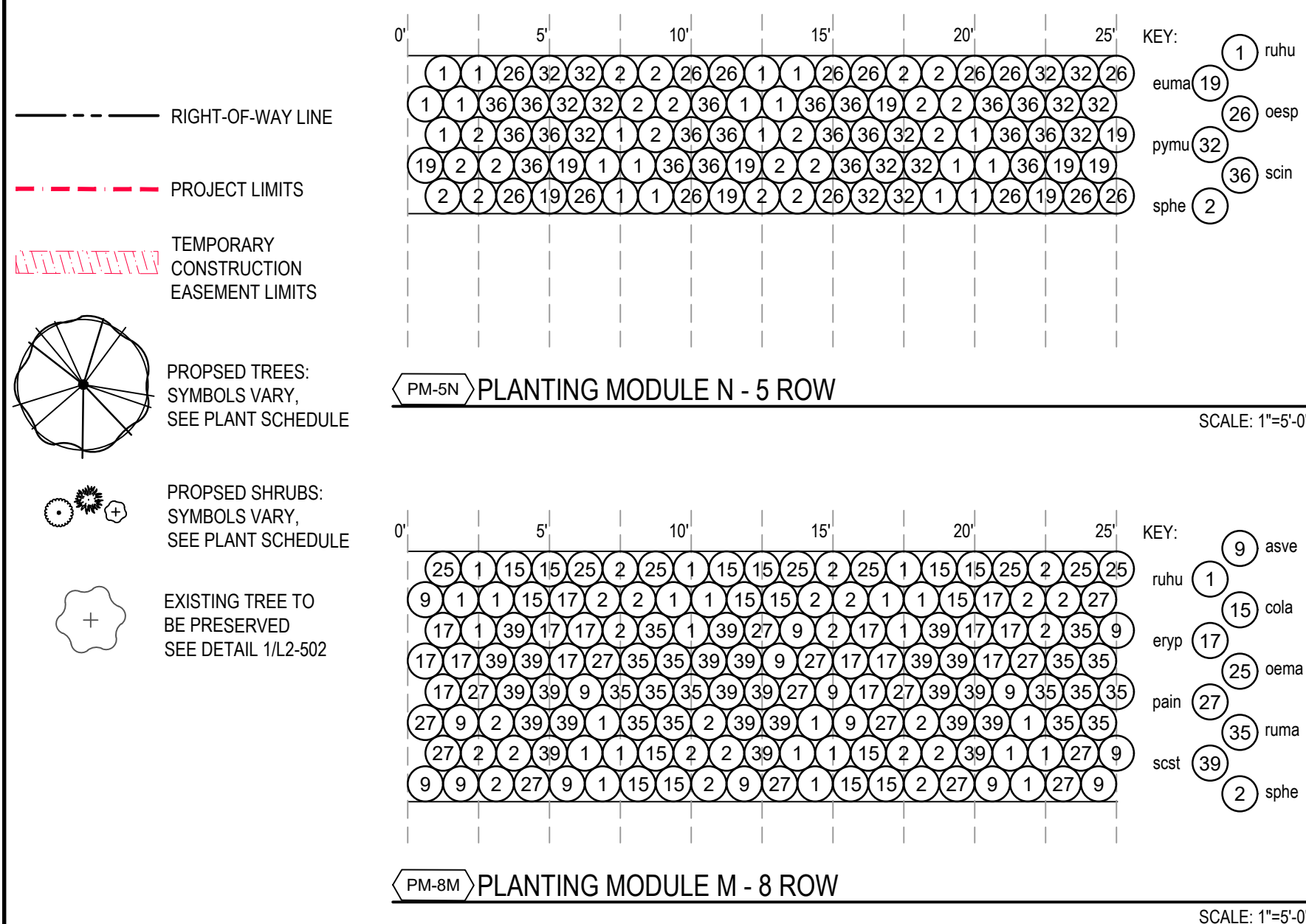
DRAWING NUMBER

L2-105



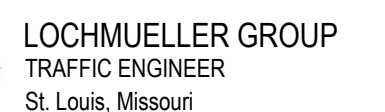
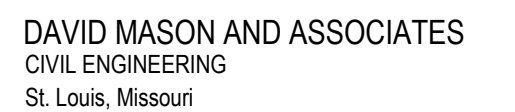
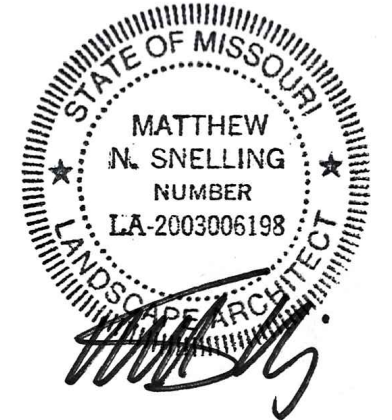
<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>QTY</u>
TREES					
AMGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry	8" Ht.	#25, #45, #65 Acceptable	2
BEND	Betula nigra 'BNMTT'	Dura Heat® River Birch	3" Cal.	#65, #95/100 Acceptable	3
LITU	Liriodendron tulipifera	Tulip Poplar	3.5" Cal.	#65, #95/100 Acceptable	2
MAGB	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Beauty Southern Magnolia	8" Ht.	#45, #65, #95/100 Acceptable	3
QUAL	Quercus alba	White Oak	3" Cal.	#45, #65, #95/100 Acceptable	2

GROUND COVERS					
asve	Asclepias verticillata	Whorled Milkweed	1 qt.	Cont.	15" o.c. 243
capr	Carex praegracilis	California Field Sedge	2"x5" DC	Plug	15" o.c. 381
cola	Coreopsis lanceolata	Lanceleaf Tickseed	1 qt.	Cont.	15" o.c. 243
ersp	Eragrostis spectabilis	Purple Lovegrass	1 qt.	Cont.	15" o.c. 132
eryp	Eryngium yuccifolium 'Prairie Moon'	Prairie Moon Rattlesnake Master	1 qt.	Cont.	15" o.c. 243
euma	Euphorbia marginata	Snow-on-the-Mountain	2"x5" DC	Plug	15" o.c. 27
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c. 585
oema	Oenothera macrocarpa	Evening Primrose	1 qt.	Cont.	15" o.c. 170
pain	Parthenium integrifolium	Wild Quinine	1 qt.	Cont.	15" o.c. 243
pymu	Pycnanthemum muticum	Blunt Mountainmint	1 qt.	Cont.	15" o.c. 39
ruhu	Ruellia humilis	Wild Petunia	1 qt.	Cont.	15" o.c. 448
ruma	Rudbeckia maxima	Large Coneflower	1 qt.	Cont.	15" o.c. 243
scin	Scutellaria incana	Downy Skullcap	1 qt.	Cont.	15" o.c. 53
scst	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	1 gal.	Cont.	15" o.c. 403
seed	Turf Seed Fescue Blend		seed		573 sf
sphe	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Cont.	15" o.c. 798

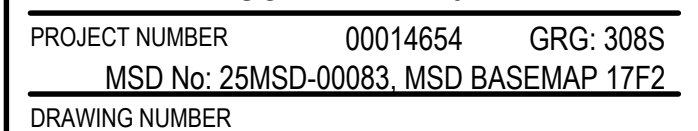


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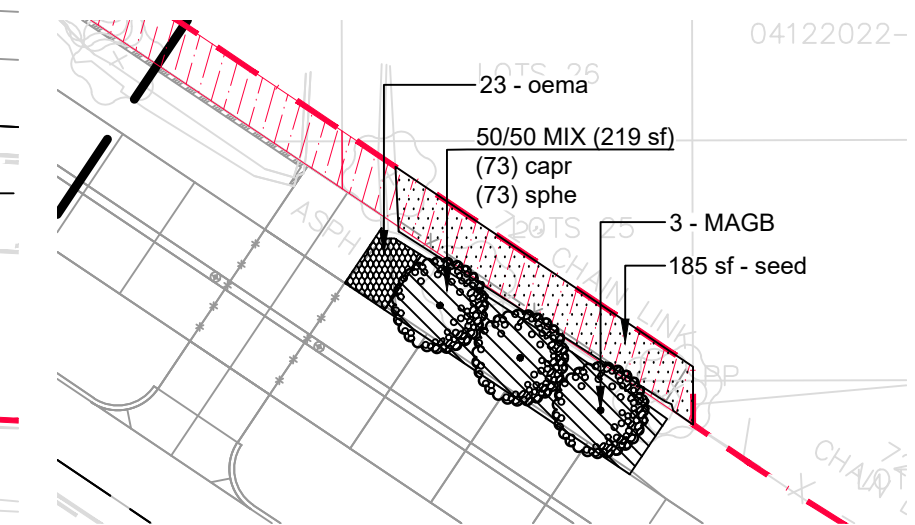
SEALS AND SIGNATURES

A map of the area around the intersection of Washington Ave and Grandel Square. The map shows a grid of streets including Washington Ave, Grandel Square, Cedar Blvd, Enright Ave, Bell Ave, Windsor Pl, Faint Ave, Cook Ave, Page Blvd, and Spring Ave. A grey shaded area is located at the intersection of Faint Ave and Cook Ave.

LANDSCAPE PLAN -
SPRING - AREA 6

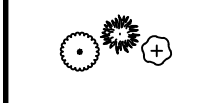
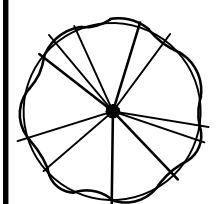
152 OF 174

L2-106

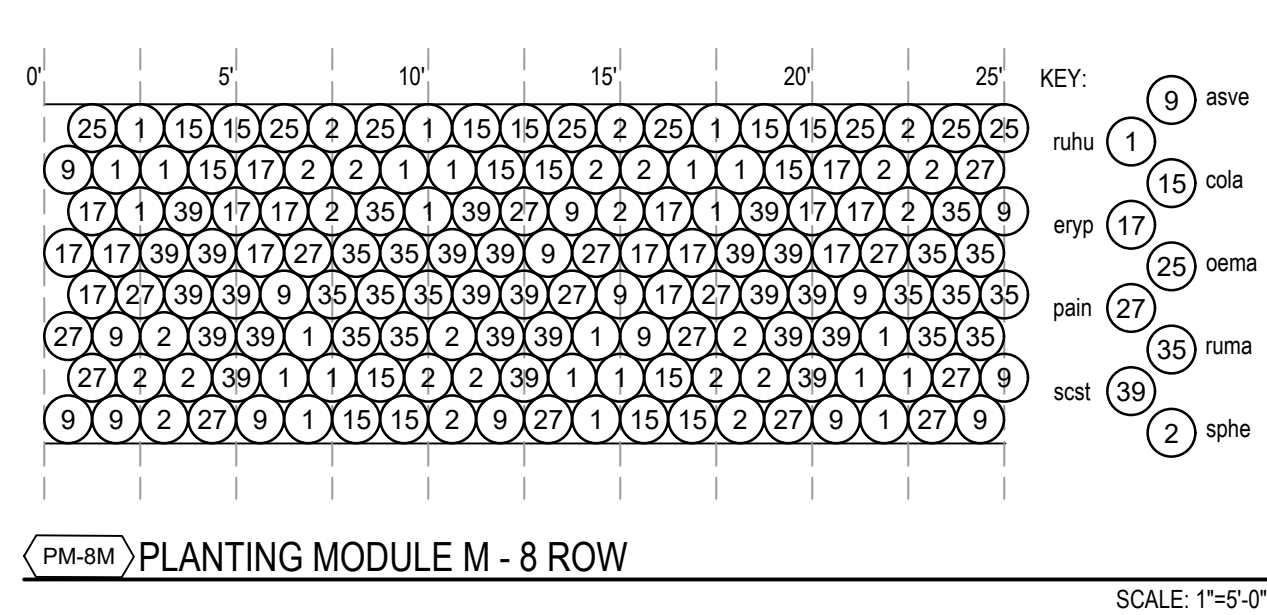
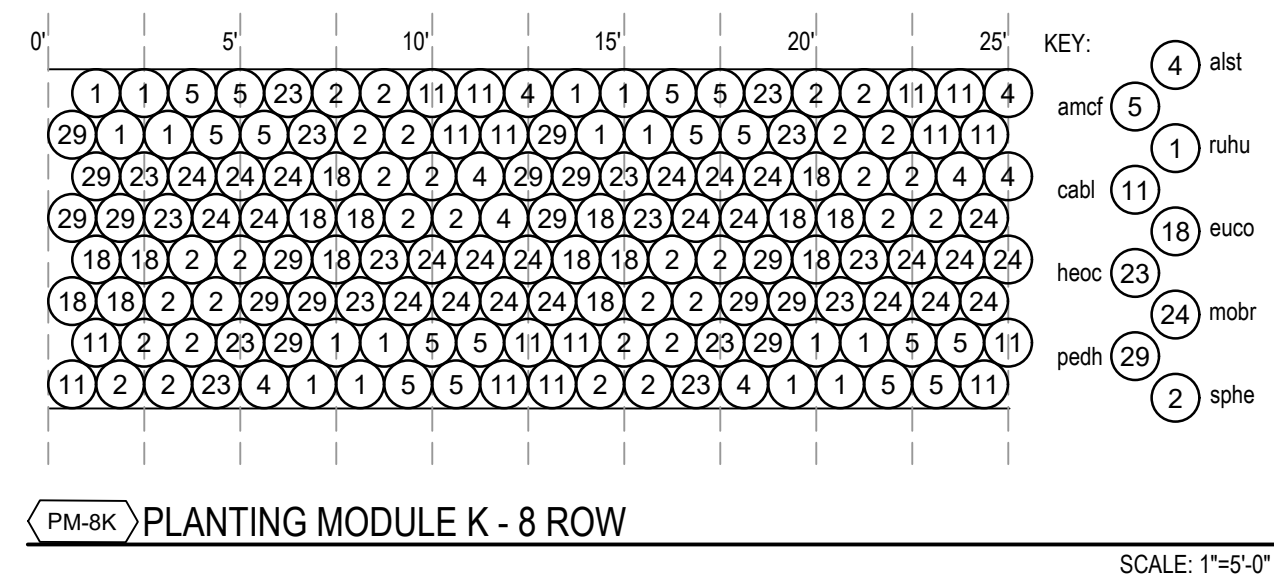
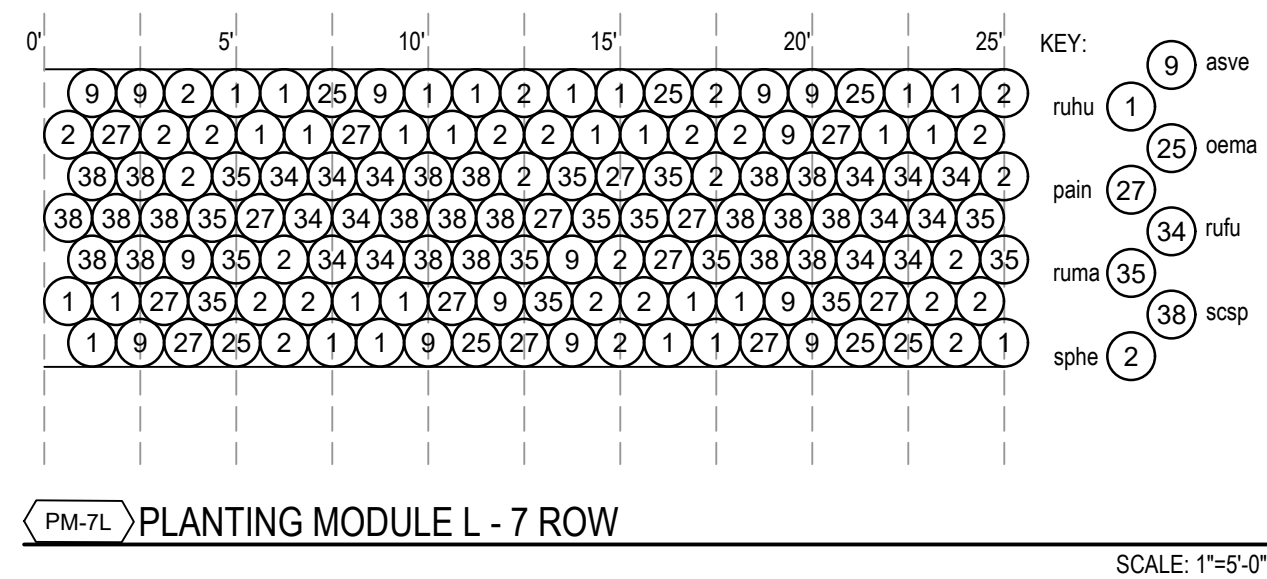


2 / BID ALTERNATE #1
STA. 19+66 TO 20+30
(1108 REDD FOXX LANE)

— — — — — RIGHT-OF-WAY LINE



- 1) ALL PLANT BEDS TO BE INSTALLED WITH SPRING BULBS ("Narc" - NARCISSEUS OR SIMILAR), WITH TRIANGULAR SPACING, 30" O.C. SEE SCHEDULE ON SHEET L2-501 FOR QUANTITIES
- 2) ALL PLANT BEDS TO BE INSTALLED WITH LANDSCAPE PROTECTION BARRIER AT PERIMETER PER DETAIL 6/L2-501
- 3) PLANTING MODULES ARE INTENDED TO REPEAT CONTINUALLY THROUGH MULTIPLE PLANTERS AND ACROSS INTERRUPTIONS FROM DRIVES, WALKS, AND ADJACENT PLANTINGS UNLESS OTHERWISE NOTED



<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>		<u>QTY</u>
<u>TREES</u>						
MAGB	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Beauty Southern Magnolia	8" Ht.	#45,#65,#95/100 Acceptable		3
<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>	<u>QTY</u>
<u>GROUND COVERS</u>						
cann	Calamintha nepeta nepeta	Lesser Calamint	1 qt.	Cont.	15" o.c.	73
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c.	40
oema	Oenothera macrocarpa	Evening Primrose	1 qt.	Cont.	15" o.c.	23
seed	Turf Seed Fescue Blend		seed			185 sf

<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>QTY</u>
TREES					
AMGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry	8' Ht.	#25, #45, #65 Acceptable	3
GYDE	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	3' Cal.	#45, #65, #95/100 Acceptable	3
MAGB	Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Beauty Southern Magnolia	8' Ht.	#45, #65, #95/100 Acceptable	2
NYSY	Nyssa sylvatica	Tupelo Black Gum	3' Cal.	#45, #65, #95/100 Acceptable	3
PLAC	Platanus x acerifolia	London Plane Tree	3.5" Cal.	#65, #95/100 Acceptable	2
QUAL	Quercus alba	White Oak	3' Cal.	#45, #65, #95/100 Acceptable	2
TADM	Taxodium distichum 'Mickelson'	Shawnee Brave™ Bald Cypress	3' Cal.	#45, #65, #95/100 Acceptable	4

ILVB	Ilex verticillata 'FarrowBPop'	Berry Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	50
ILVM	Ilex verticillata 'FarrowMrP'	Mr. Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	9

GROUND COVERS					
alst	Allium stellatum	Prairie Onion	1 qt.	Cont.	15" o.c. 42
amcf	Amsonia ciliata filifolia	Threadleaf Bluestar	1 qt.	Cont.	15" o.c. 84
asve	Asclepias verticillata	Whorled Milkweed	1 qt.	Cont.	15" o.c. 291
cabl	Carex blanda	Woodland Sedge	2"x5" DC	Plug	15" o.c. 84
cain	Callirhoe involucrata	Purple Poppymallow	1 qt.	Cont.	15" o.c. 88
capr	Carex praegracilis	California Field Sedge	2"x5" DC	Plug	15" o.c. 551
cola	Coreopsis lanceolata	Lanceleaf Tickseed	1 qt.	Cont.	15" o.c. 36
ersp	Eragrostis spectabilis	Purple Lovegrass	1 qt.	Cont.	15" o.c. 122
eryp	Eryngium yuccifolium 'Prairie Moon'	Prairie Moon Rattlesnake Master	1 qt.	Cont.	15" o.c. 36
euco	Euphorbia corollata	Flowering Spurge	2"x5" DC	Plug	15" o.c. 84
HEOC	Helianthus occidentalis	Western Sunflower	1 qt.	Cont.	15" o.c. 84
mobr	Monarda bradburiana	Eastern Bee Balm	1 qt.	Cont.	15" o.c. 126
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c. 855
oema	Oenothera macrocarpa	Evening Primrose	1 qt.	Cont.	15" o.c. 299
pain	Parthenium integrifolium	Wild Quinine	1 qt.	Cont.	15" o.c. 291
pedh	Penstemon digitalis 'Husker Red'	Husker Red Beardtongue	1 qt.	Cont.	15" o.c. 84
rufr	Rudbeckia fulgida umbrosa	Orange Coneflower	1 qt.	Cont.	15" o.c. 255
ruhu	Ruellia humilis	Wild Petunia	1 qt.	Cont.	15" o.c. 648
ruma	Rudbeckia maxima	Large Coneflower	1 qt.	Cont.	15" o.c. 291
scsp	Schizachyrium scoparium 'Prairie Blues'	Prairie Blues Little Bluestem	1 gal.	Cont.	15" o.c. 382
scst	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	1 gal.	Cont.	15" o.c. 54
seed	Turf Seed Fescue Blend		seed		948 sf
sphe	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Cont.	1,195

88
551

126
855

54
948 sf
1 195

1



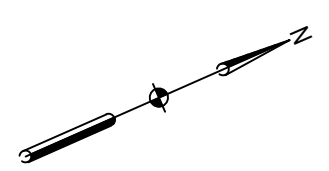
NOTES:

- 1) ALL PLANT BEDS TO BE INSTALLED WITH SPRING BULBS ("Narc" - NARCISSUS OR SIMILAR), WITH TRIANGULAR SPACING, 30" O.C. SEE SCHEDULE ON SHEET L2-501 FOR QUANTITIES
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<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>QTY</u>	
TREES						
NYSY	Nyssa sylvatica	Tupelo Black Gum	3" Cal.	#45, #65, #95/100 Acceptable	2	
PLAC	Platanus x acerifolia	London Plane Tree	3.5" Cal.	#65, #95/100 Acceptable	5	
ULHO	Ulmus x 'Homestead'	Homestead Elm	3" Cal.	#45, #65, #95/100 Acceptable	3	
SHRUBS						
ILVB	Ilex verticillata 'FarrowBPop'	Berry Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	28	
ILVM	Ilex verticillata 'FarrowMrP'	Mr. Poppins® Winterberry	3' Ht.	#3, #5, #7, #10 Acceptable	5	
<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>	<u>QTY</u>
GROUND COVERS						
aist	Allium stellatum	Prairie Onion	1 qt.	Cont.	15" o.c.	115
amcf	Amsonia ciliata filifolia	Threadleaf Bluestar	1 qt.	Cont.	15" o.c.	232
cabl	Carex blanda	Woodland Sedge	2"x5" DC	Plug	15" o.c.	384
capr	Carex praegracilis	California Field Sedge	2"x5" DC	Plug	15" o.c.	338
euco	Euphorbia corollata	Flowering Spurge	2"x5" DC	Plug	15" o.c.	232
frvi	Fragaria virginiana	Wild Strawberry	2"x5" DC	Plug	12" o.c.	212
heoc	Helianthus occidentalis	Western Sunflower	1 qt.	Cont.	15" o.c.	232
mobr	Monarda bradburiana	Eastern Bee Balm	1 qt.	Cont.	15" o.c.	347
narc	Narcissus sp.	Daffodil	bulb	Cont.	30" o.c.	556
pedh	Penstemon digitalis 'Husker Red'	Husker Red Beardtongue	1 qt.	Cont.	15" o.c.	232
ruhu	Ruellia humilis	Wild Petunia	1 qt.	Cont.	15" o.c.	232
seed	Turf Seed Fescue Blend		seed			2,522 sf
sphe	Sporobolus heterolepis	Prairie Dropseed	1 gal.	Cont.	15" o.c.	802

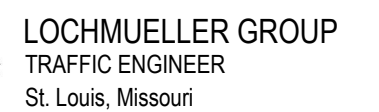
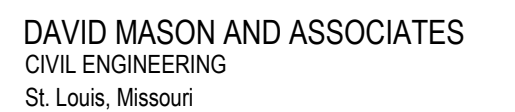
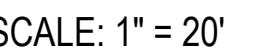
153 OF 174



TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:  Great Rivers Greenway

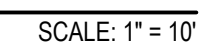
35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
312.641.0770
www.smithgroup.com

SEALS AND SIGNATURESLANDSCAPE
ENLARGEMENT
FINNEY PLAZA

MSD No: 25MSD-00083, MSD BASEMAP 17F2

L2-401

153.5 OF 174

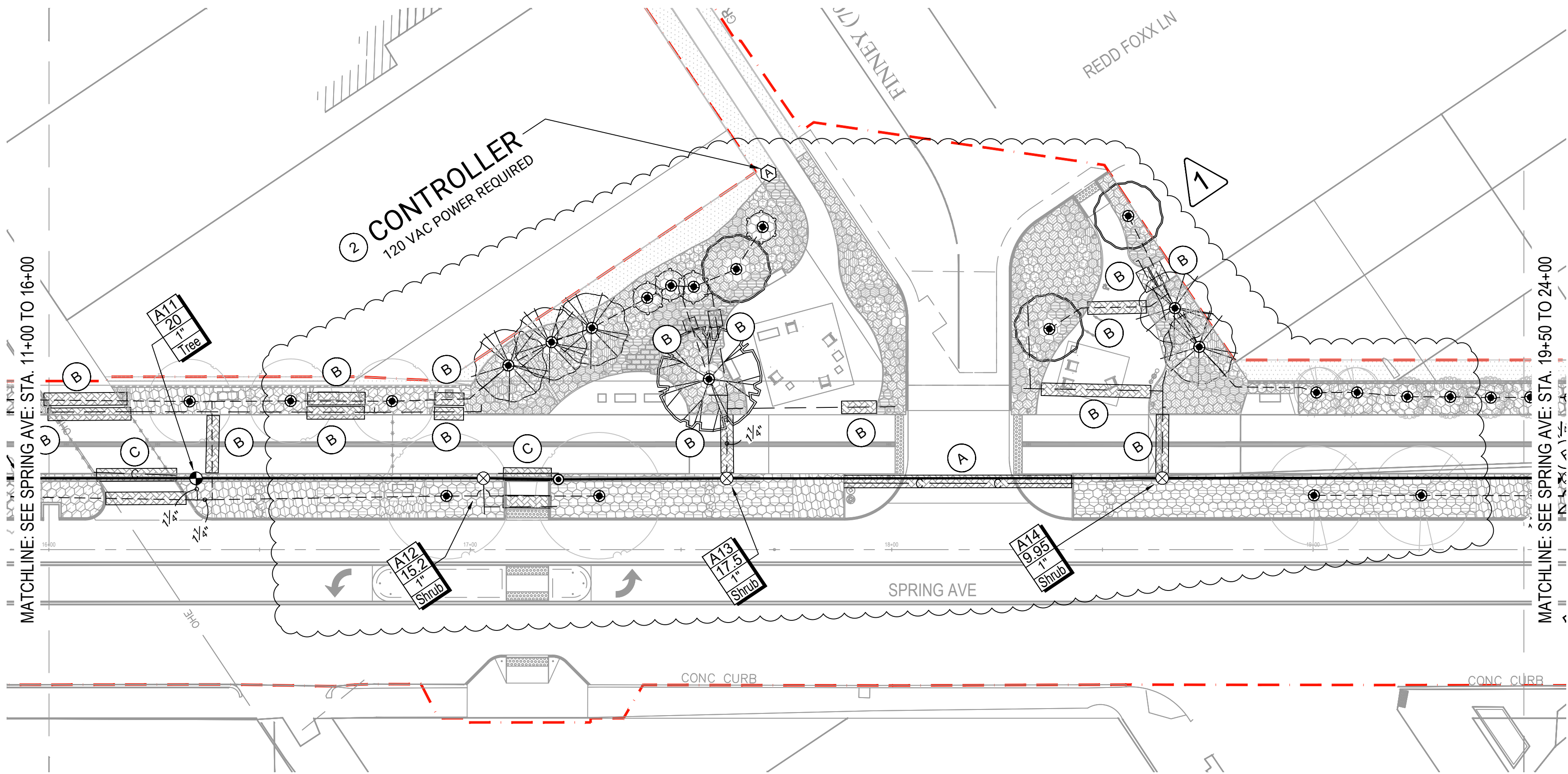


CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
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PERENNIALS & GRASSES					
SONI	<i>Sorghastrum nutans</i> 'Indian Steel'	Indian Steel Indian Grass	1 gal.	Cont.	82

GROUND COVERS							
asth	Asclepias tuberosa 'Hello Yellow'	Hello Yellow Butterfly Milkweed	1 qt.	Cont.		15" o.c.	98
cabi	Carex bicknellii	Prairie Sedge	2"x5" DC	Plug		15" o.c.	589
ecpa	Echinacea pallida	Pale Purple Coneflower	1 qt.	Cont.		15" o.c.	98
heri	Heuchera richardsonii	Prairie Alum Root	1 qt.	Cont.		15" o.c.	64
heua	Heuchera americana	American Alumroot	1 qt.	Cont.		15" o.c.	64
hevi	Heuchera villosa	Hairy Alumroot	1 qt.	Cont.		15" o.c.	64
lisp	Liatis spicata	Blazing Star	1 qt.	Cont.		15" o.c.	98
mobr	Monarda bradburiana	Eastern Bee Balm	1 qt.	Cont.		15" o.c.	98
narc	Narcissus sp.	Daffodil	bulb	Cont.		30" o.c.	591
pedi	Penstemon digitalis	Beardtongue	1 qt.	Cont.		15" o.c.	212
rufu	Rudbeckia fulgida umbrosa	Orange Coneflower	1 qt.	Cont.		15" o.c.	233
seed	Turf Seed Fescue Blend		seed				864 sf
veli	Vernonia lettermannii 'Iron Butterfly'	Iron Butterfly Ironweed	1 qt.	Cont.		15" o.c.	96

FILE C:\Users\Admin\AppData\Local\Temp\AcPublish_19240\p2-14654-HINES-IRRG-Finney.dwg USER: Admin DATE: Aug. 28 2026 TIME: 09:16 am



SPRING AVE: STA. 16+00 TO 19+50

IRRIGATION LEGEND

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LEGEND

- RIGHT-OF-WAY LINE
- PROJECT LIMITS
- TEMPORARY CONSTRUCTION EASEMENT LIMITS

Hines Inc
SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com



BRICKLINE GREENWAY NORTH CONNECTOR PHASE 2

TAP #9901(688)
CDBG# B-23-CP-MO-0886

Client:



SMITHGROUP

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SUITE 900
CHICAGO, IL 60601
312.641.0770
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DAVID MASON AND ASSOCIATES
CIVIL ENGINEERING
St. Louis, Missouri



DTLS, Inc.
LANDSCAPE ARCHITECTURE
St. Louis, Missouri



LOCHMUELLER GROUP
TRAFFIC ENGINEER
St. Louis, Missouri



GRICE GROUP
ARCHITECTURE
St. Louis, Missouri

ISSUED FOR

REV DATE

BID ADDENDUM #1

1

09/01/2026

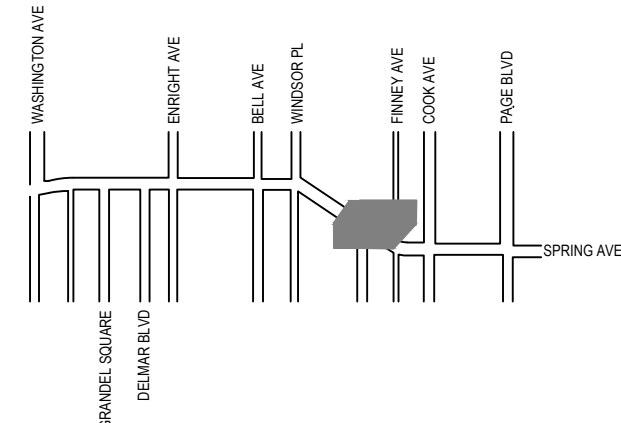
ISSUED FOR BID

08/13/2026

SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE

IRRIGATION PLAN -
SPRING - AREA 5

SCALE: 1" = 20'

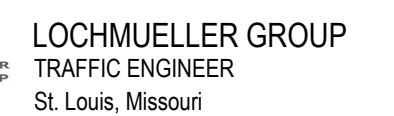
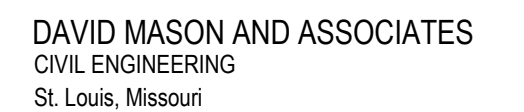
PROJECT NUMBER 00014654 GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2
DRAWING NUMBER

161 OF 174

L3-105

Client: Great Rivers Greenway

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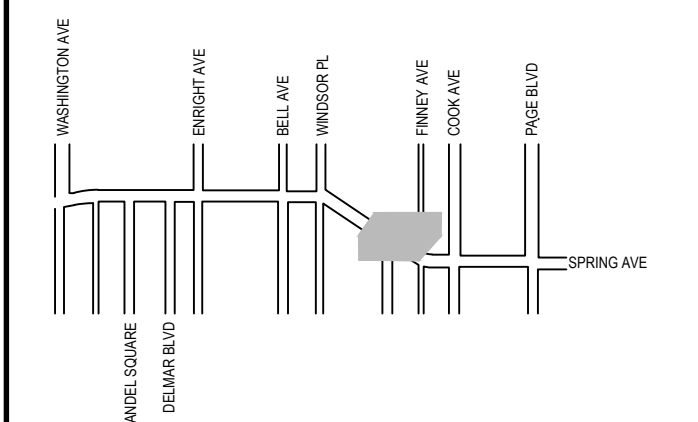


ISSUED FOR	REV	DATE
BID ADDENDUM #1	1	09/01/2026
ISSUED FOR BID		08/13/2026

SEALS AND SIGNATURES

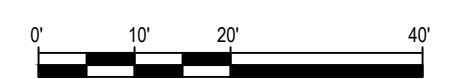


KEY PLAN



DRAWING TITLE

TRAIL SIGNAGE AND FURNISHINGS PLAN - SPRING - AREA 5

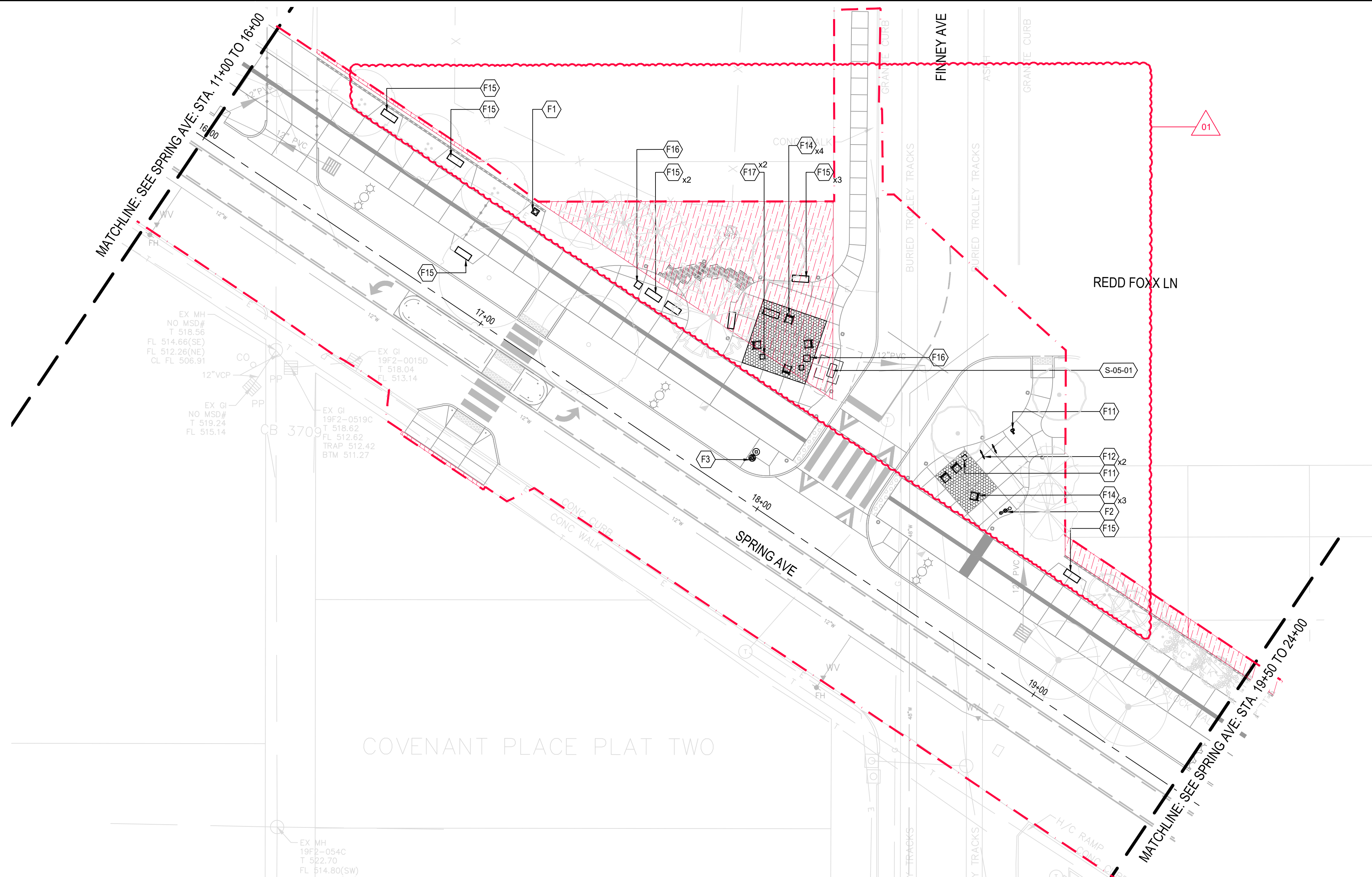


SCALE: 1" = 20'

PROJECT NUMBER	00014654	GRG: 308S
MSD No: 25MSD-00083, MSD BASEMAP 17F2		
DRAWING NUMBER		

170 OF 174

L4-105



SPRING AVE: STA. 16+00 TO 19+50

RIGHT-OF-WAY LINE		PROJECT LIMITS	TEMPORARY CONSTRUCTION EASEMENT LIMITS	REFERENCE
	F1	CODE BLUE EMERGENCY POLE	JSP-49	
	F2	DRINKING FOUNTAIN	5/LA-501	
	F3	TRASH RECEPTACLE AND RECYCLING CONTAINERS	7/LA-501	
	F4	BENCH, BACKLESS, 4'	1/LA-501	
	F5	NOT USED		
	F6	BENCH, BACKED, 6'	2/LA-501	
	F7	BENCH, ENRIGHT PLAZA - TYPE A	2/LA-502	
	F8	BENCH, ENRIGHT PLAZA - TYPE B	3/LA-502	
	F9	BENCH, ENRIGHT PLAZA - TYPE C	4/LA-502	
	F10	BENCH, GRANADEL SQUARE CROSSING	1/LA-502	
	F11	BIKE REPAIR STATION	4/LA-501	
	F12	BIKE RACK	3/LA-501	
	F13	PET WASTE STATION	8/LA-501	
	F14	GRANITE CHAIR	JSP-64	
	F15	STONE BENCH, 24\"/>	JSP-64	
	F16	LARGE STONE CUBE, 24\"/>	JSP-64	
	F17	SMALL STONE CUBE, 18\"/>	JSP-64	

NOTE:

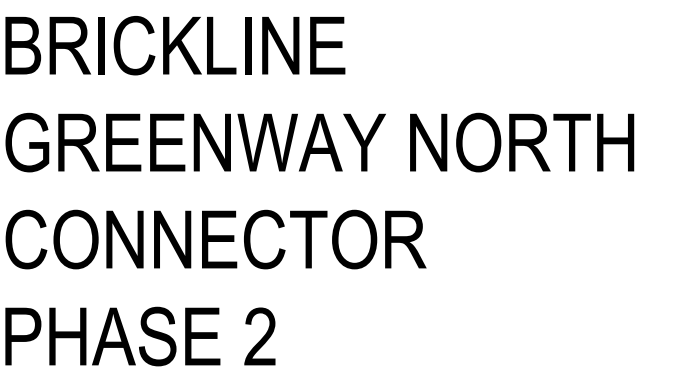
1. REFER TO GRG BRICKLINE SIGN STANDARDS, DATED 05/13/2025 AND EDITED 12/19/2025 FOR TRAIL SIGNAGE DESIGN INTENT
2. REFER TO REGULATORY SIGNAGE PLANS FOR ALL OTHER SIGNS (DEPICTED HERE FOR REFERENCE ONLY)
3. TACK WELD OR PEEN EXPOSED MOUNTING HARDWARE TO PREVENT TAMPERING AND/OR THEFT
4. EXISTING GRAND CENTER SIGN RELOCATIONS TO BE COORDINATED WITH GRAND CENTER ARTS DISTRICT.
REFER TO CIVIL SHEETS CS7-101 - CS7-107

S-05-01

BL-IN3
Interpretive 3

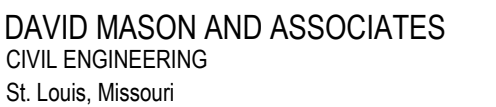
01

ID TAG	STATION	SITE CONTROL	MOUNTING	PANEL QUANTITY	PANEL DESIGNATION	SIGN TYPE	FACE	SIGN DESCRIPTION	PROPOSED TEXT
S-05-01	STA: 17+62.52 OFF: -55.78	City ROW	Freestanding Surface Mount	1	FRONT	BL-IN3	SOUTH	Brickline Kiosk or Brickline Guide	Interpretive Content (by GRG)



Client:  Great Rivers Greenway

35 EAST WACKER
SUITE 900
CHICAGO, IL 60601
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SEALS AND SIGNATURES

172 OF 174

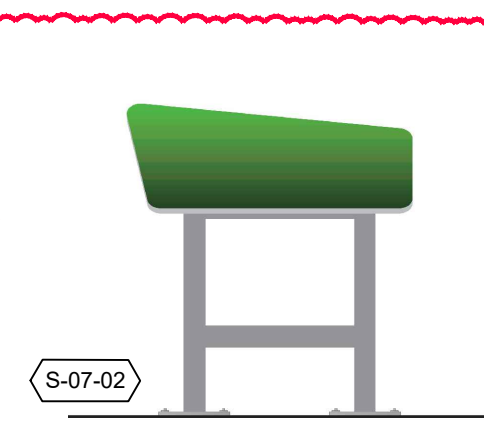
4-107



RIGHT-OF-WAY LINE		PROJECT LIMITS	
		TEMPORARY CONSTRUCTION EASEMENT LIMITS	
	F1	CODE BLUE EMERGENCY POLE	REFERENCE JSP-49
	F2	DRINKING FOUNTAIN	5/L4-501
	F3	TRASH RECEPTACLE AND RECYCLING CONTAINERS	7/L4-501
	F4	BENCH, BACKLESS, 4'	1/L4-501
	F5	NOT USED	
	F6	BENCH, BACKED, 6'	2/L4-501
	F7	BENCH, ENRIGHT PLAZA - TYPE A	2/L4-502
	F8	BENCH, ENRIGHT PLAZA - TYPE B	3/L4-502
	F9	BENCH, ENRIGHT PLAZA - TYPE C	4/L4-502
	F10	BENCH, GRANDEL SQUARE CROSSING	1/L4-502
	F11	BIKE REPAIR STATION	4/L4-501
	F12	BIKE RACK	3/L4-501
	F13	PET WASTE STATION	8/L4-501
	F14	GRANITE CHAIR	JSP-64
	F15	STONE BENCH CUBE, 24" x 60"	JSP-64
	F16	LARGE STONE CUBE, 24"	JSP-64
	F17	SMALL STONE CUBE, 18"	JSP-64

NOTE:

1. REFER TO GRG BRICKLINE SIGN STANDARDS, DATED 05/13/2025 AND EDITED 12/19/2025 FOR TRAIL SIGNAGE DESIGN INTENT
2. REFER TO REGULATORY SIGNAGE PLANS FOR ALL OTHER SIGNS (DEPICTED HERE FOR REFERENCE ONLY)
3. TACK WELD OR PEEN EXPOSED MOUNTING HARDWARE TO PREVENT TAMPERING AND/OR THEFT
4. EXISTING GRAND CENTER SIGN RELOCATIONS TO BE COORDINATED WITH GRAND CENTER ARTS DISTRICT.
REFER TO CIVIL SHEETS CS7-101 - CS7-107



BL-Gx10
Brickline Guide -
Column ID or
Directional
4-sided
on new post

ID TAG	STATION	SITE CONTROL	MOUNTING	PANEL QUANTITY	PANEL DESIGNATION	SIGN TYPE	FACE	SIGN DESCRIPTION	PROPOSED TEXT
S-07-01	STA: 26+45.18 OFF: -34.54	City ROW	Freestanding Surface Mount	4	FRONT	BL-Gx10	SOUTH	Brickline Guide 4-Sided Column Directional	Rumbold Park 0.4 mi via Spring Ave Jet Banks Park 0.5 mi via Cass Ave
					SIDE 1	BL-Gx10	NORTH		John Cochran Veterans Administration Medical Center 0.3 mi Grand Center Arts District 0.5 mi Saint Louis University 0.7 mi Chambers Park 0.5 mi via Page Blvd & Compton Ave Turner Park 0.8 mi via Page Blvd & Sarah St
					BACK	BL-Gx10	WEST		Chambers Park 0.5 mi via Page Blvd & Compton Ave Rumbold Park 0.4 mi via Spring Ave Jet Banks Park 0.5 mi via Cass Ave John Cochran Veterans Administration Medical Center 0.3 mi Grand Center Arts District 0.5 mi Saint Louis University 0.7 mi
					SIDE 2	BL-Gx10	EAST		Turner Park 0.8 mi via Page Blvd & Sarah St John Cochran Veterans Administration Medical Center 0.3 mi Grand Center Arts District 0.5 mi Saint Louis University 0.7 mi Rumbold Park 0.4 mi via Spring Ave Jet Banks Park 0.5 mi via Cass Ave
S-07-02	STA: - OFF: -	City ROW	Freestanding Surface Mount	1	FRONT	BL-IN1	EAST	Brickline Kiosk or Brickline Guide	Interpretive Content (by GRG)

