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# CITY OF MAULDIN REQUEST FOR PROPOSAL (RFP: 2024–MCC4)

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## Removal/Reconstruction of Front Stairs of Mauldin Cultural Center

**Issue Date:** March 27, 2024

**Submittals Due:** April 26<sup>th</sup> by Noon, 12pm EST

**Contact:** J.R. Charles, Community Development Director

**E-mail:** [jrcharles@mauldincitysc.com](mailto:jrcharles@mauldincitysc.com)

**Phone:** (864) 282-3872

**CITY OF MAULDIN**  
5 E. Butler Road, Mauldin, SC 29662



## Introduction

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The City of Mauldin, SC, is soliciting a Request for Proposals (RFP) from qualified contractors/firms to provide labor, material, and equipment to remove and replace the stairs at the primary entrance of the Mauldin Cultural Center.

Sealed bid proposals, plainly marked **“Bid #2024-MCC4 – FRONT STEPS REPLACEMENT”** on the outside of a mailing envelope as well as the sealed bid envelope, addressed to:

Attn: J.R. Charles  
Community Development Department  
City of Mauldin  
5 E. Butler Road  
P.O. Box 249  
Mauldin, SC 29662

In addition to mailing hard copies of the bids, bidders can also email copies of their packets/bids to [JRCharles@MauldinCitySC.com](mailto:JRCharles@MauldinCitySC.com). Under no circumstances will an emailed packet/bid be accepted in the place of a formal/hard copy bid. All emailed bids will be treated as “Reference Only” to hard copy bids. Bids sent via email that do not have a corresponding hard copy/mailed bid will not be accepted for consideration.

Bids will be accepted until **Friday, April 26, 2024 at 12pm, Noon**. The bids will be unsealed in a public meeting on Monday, April 29, at 12pm, and the unsealing will be at Mauldin City Hall in the Council Chambers/Court Room.

Please check the City website at <https://cityofmauldin.org/tools-for-businesses/#rfps> prior to submission for any responses or inquiries or addendums to the RFP. Only answers issued by addenda will be binding. All addenda will be posted on the City of Mauldin website.

The City of Mauldin reserves the right to reject any or all proposals submitted. Submission of a proposal indicates acceptance by the firm of the conditions in this RFP, unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Mauldin and the selected firm.

### INQUIRIES

Prospective bidders are encouraged to attend an informal project/site visit on **Wednesday, April 10, 2024 at 2:00 PM**. The site visit will be for information-gathering purposes by prospective bidders. Questions and answers at the site visit will be documented so they can be included in any addendum.

Questions may be submitted to J.R. Charles via e-mail to [JRCharles@MauldinCitySC.com](mailto:JRCharles@MauldinCitySC.com) by **3:00 PM on Monday, April 15, 2024**. All questions will be responded to by **3:00 PM on Wednesday, April 17, 2024**. Only answers issued by addendum will be binding. All addenda will be posted on the City of Mauldin website at <https://cityofmauldin.org/tools-for-businesses/#rfps>.

## **COMPETITION**

It is the City's intent that this RFP shall permit competition. It shall be the respondent's responsibility to advise the Director of Community Development, in writing, if any language, requirement, specification, etc., or any combination thereof, inadvertently restricts or limits the requirements stated in this RFP to a single source. Such notifications must be received no later than seven (7) days prior to the proposal acceptance date.

## **Scope of Work**

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The intent of this RFP is to enable the City to acquire the most appropriate, financially attractive solution from a qualified contractor/firm.

The City intends to remove and replace the front steps at the primary entrance of the Mauldin Cultural Center. The replacement of the front steps will be completed by utilizing the attached/included engineering specs supplied with this RFP packet on Exhibit E.

Architectural features noted in the engineering specs shown on Exhibit E will be the responsibility of the contractor. Because the front entrance of the Mauldin Cultural Center faces a major roadway that will include the Swamp Rabbit Trail, the new steps should be aesthetically attractive in order to reflect the City's investment and commitment to the arts and culture.

All work shall be done to industry standards and comply with all City of Mauldin, State, and Federal Codes.

### **1. Demolition**

Any material removed and any other waste material shall be disposed of properly off-site.

### **2. Specifications**

The Contractor is responsible to verify all measurements. The attached engineering spec sheet provides details of such specifications. All elements requiring Architectural components are the responsibility of the contractor.

### **3. Sequencing of Operations**

The Contractor is to schedule and limit operations in such a manner as to cause minimal disruption to the operations at the facility.

### **4. Permits**

- a. All permits necessary for the work shall be secured by the Contractor.
- b. Permits through the City of Mauldin are at no cost.
- c. The contractor shall give all notices and comply with all laws, ordinances, and regulations bearing on the conduct of the work.

### **5. Material and Supplies**

- a. Unless specifically provided otherwise in each case, all material and supplies shall be furnished by the Contractor for permanent installation.
- b. The work shall conform to applicable standard specifications
- c. No such material or supplies shall be used by the Contractor for any purpose other than that intended or specified, unless such use is specifically authorized by the City in each use.

## **6. Staging Area**

- a. The staging area for all materials and equipment shall be designated prior to the start of construction and will be approved by the City.
- b. The Contractor is responsible for repair to damage to sidewalks, landscaping, or structures caused by construction operations.

## **7. Site**

- a. Contractor shall take care not to damage any portion of the Mauldin Cultural Center that is not directly affected by this project (i.e. landscaping, structure of the building, unaffected concrete of the sidewalk, etc.)
- b. Any damage caused by the Contractor shall be repaired prior to the completion of the project.
- c. The Contractor shall be responsible for all damages that may arise from installing the new staircase.

## **Submittal Requirements**

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Any party submitting a proposal should sufficiently address the requested information outlined below. The City of Mauldin reserves the right to either reject proposals or waive deficiencies as it serves the interest of the public.

### *1. Executive Summary*

Provide a title page with the RFP number, subject and name of Proposer, address, telephone number, e-mail address, date and a table of contents.

### *2. Summary of Pricing*

Include a price sheet to clearly identify proposed cost structures. Pricing should be clear, concise and differentiate between included services, alternative proposals and the cost for add-on features or additional users outside of initial limits (if applicable).

### *3. Vendor Qualifications*

Provide a narrative response, including any necessary documents, that contains the following information.

- Overview of company background, including number of years of experience
- Statement by the contractor of his/her understanding of the services described.
- List of at least three references including names, addresses, and telephone numbers.

#### 4. Proposed Solution(s)

Describe how your proposal meets the City’s scope of services including its wants and needs. Include an implementation plan and schedule.

#### **SUBMISSION OF PROPOSAL**

Proposals shall be submitted in a sealed envelope, plainly marked **“Bid #2024-MCC4 – FRONT STEPS REPLACEMENT”** addressed to:

Attn: J.R. Charles  
Community Development Department  
City of Mauldin  
5 E. Butler Road  
P.O. Box 249  
Mauldin, SC 29662

In addition to mailing hard copies of the bids, bidders can also email copies of their packet/bid to [JRCharles@MauldinCitySC.com](mailto:JRCharles@MauldinCitySC.com). Under no circumstances will an emailed packet/bid be accepted in the place of a formal/hard copy bid. All emailed bids will be treated as “Reference Only” to hard copy bids. Bids sent via email that do not have a corresponding hard copy/mailed bid will not be accepted for consideration.

Please check the City website at <https://cityofmauldin.org/tools-for-businesses/#rfps> prior to submission for addendums to the RFP.

#### **Proposal Guarantees, Warranties and Schedule**

Contractor shall provide a minimum one-year warranty for all material and workmanship and submit Attachment D with its proposal.

### **Criteria for Rating Proposals**

The City’s RFP Evaluation Committee (Evaluation Committee) will review, score and rank all proposals and make a recommendation to City Council on who will best serve the City. City Council will make the final decision on selecting a Firm.

During the evaluation process, the Evaluation Committee and the City reserve the right to request additional information or clarification from proposers, or to allow corrections of errors or omissions.

In rating proposals, the City will carefully weigh the responses in the following categories:

1. Quality of the solution(s) when compared to the City’s needs
2. Vendor qualifications
3. Municipal experience
4. Pricing model
5. Delivery of services

The following details the points assigned per section:

<b>Proposal Section</b>	<b>Point Value</b>
<b>Summary of Pricing</b>	<b>25</b>
<b>Vendor Qualifications</b>	<b>25</b>
<b>Proposed Solution</b>	<b>25</b>
<b>References</b>	<b>25</b>
<b>Total Points</b>	<b>100</b>

## **General Conditions**

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### **A. Competition**

It is the intent and purpose of the City that this solicitation permits competition. It shall be the Offeror's responsibility to advise the City in writing if any language, requirements, etc. or any combination thereof, inadvertently restricts or limits the requirements stated in this solicitation to a single source. Such notification shall be submitted in writing and must be received by City Hall at least ten (10) calendar days prior to proposals receipt date. A review of such notification shall be made.

### **B. Confidentiality and Proprietary Information**

All submissions become the property of the City and will not be returned to the Offeror. The City will consider all proposals submitted as confidential but reserves the right to make copies of all Proposals received for its internal review and for review by its financial, accounting, legal, and technical consultants. Offerors should be aware that the City of Mauldin is a "public body" as defined in and subject to the provisions of the Freedom of Information Act.

### **C. Conflict of Interest**

The Offeror shall disclose in its proposal any actual or potential conflicts of interest and existing business relationships it may have with the City of Mauldin, its elected or appointed officials or employees, any property ownership direct or indirect in the jurisdiction. Offeror certifies by submission of proposal that neither it nor its principals, nor its perspective subcontractors are presently debarred, suspended, or proposed for debarment by the City of Mauldin or any state or federal department or agency.

### **D. Compliance, Assurance, and Non-collusion**

Except as otherwise specified or as arising by reason of the provision of the contract documents, no person whether natural, or body corporate, other than the Offeror has or will have any interest or share in this proposal or in the proposed contract which may be completed in respect thereof. By responding to this RFP, the Offeror agrees that there is no collusion or arrangement between the Offerors and any other actual or prospective Offerors in connection with proposals submitted for this project and the Offeror has no knowledge of the contents of other proposals and has made no comparison of figures or agreement or

arrangement, express or implied, with any other party in connection with the making of the proposal.

During the period between publication of the solicitation and award, you must not communicate, directly or indirectly, with the using department, its employees, agents, or officials regarding any aspect of this procurement activity, unless otherwise approved in writing to the City's designated point of contact for this RFP.

Each Offeror shall comply with all applicable Federal, State, and local laws and shall meet all requirements imposed upon this service industry by regulatory agencies. Offerors will submit the Statement of Assurance, Compliance and Non-collusion with its proposal submittal which is enclosed as Attachment A.

**E. Drug-Free Workplace**

Offeror(s) will submit the Drug-Free Workplace Certification with its proposal submittal which is enclosed as Attachment B.

**F. Insurance**

The Offeror shall procure and maintain for the duration of the contract all such insurance, as required by the laws of the State of South Carolina, against claims for injuries to persons or damages to property which may arise from or be in connection with the performance of the work hereunder by the Offeror or its individuals, Firms, agents, representatives, or employees. The cost of such insurance shall be included in the fee proposed. A breach of the insurance requirements shall be material. Offerors will submit and minimally the below listed insurance. The Offeror will submit the Insurance Certification with its proposal submittal which is enclosed as Attachment C.

**G. Litigation**

Offerors who, either directly or indirectly through another corporation or entity, have been or are in litigation, or who have served notice with intent to proceed with court action against the City in connection with any contract for works or services, may be considered ineligible. Receipt of proposals from such Offerors may be disqualified from the evaluation process.

**H. No Contract**

This RFP is not a tender and does not commit the City in any way to select a preferred Offeror. By submitting a proposal and participating in the process as outlined in this RFP, Offerors expressly agree that no contractual, tort or other legal obligation of any kind is formed under or imposed on the City of Mauldin by this RFP or submissions prior to the completed execution of a formal written Contract.



# ATTACHMENT A – COMPLIANCE, ASSURANCE AND NON-COLLUSION

**Statement of Assurance, Compliance and Non-collusion**

State of \_\_\_\_\_

County of \_\_\_\_\_

City of \_\_\_\_\_, being first duly sworn, deposes and says that:

1. The undersigned, as Vendor, certifies that every provision of this Submittal have been read and understood.
2. The Vendor hereby provides assurance that the Firm represented in this Submittal:
  - a. Will comply with all requirements, stipulations, terms and conditions as stated in the Submittal/Submittal document; and
  - b. Currently complies with all Federal, State, and local laws and regulations regarding employment practices, equal opportunities, industry and safety standards, performance and any other requirements as may be relevant to the requirements of this solicitation; did not participate in the development or drafting specifications, requirements, statement of work, scope of work etc. relating to this solicitation; and
  - c. Is not guilty of collusion with other Vendors possibly interested in this Submittal in arriving at or determining prices and conditions to be submitted; and
  - d. No person associated with Vendor’s Firm is an employee of the City of Mauldin. Should Vendor, or Vendor’s Firm have any currently existing agreements with the City, Vendor must affirm that said contractual arrangements do not constitute a conflict of interest in this solicitation; and
  - e. That such agent as indicated below is officially authorized to represent the Firm in whose name the Submittal is submitted.

<b>Company name:</b>	
<b>Name of Agent (Print or Type):</b>	
<b>Title:</b>	<b>Date:</b>
<b>Signature of Agent:</b>	
<b>Telephone #</b>	<b>Fax #:</b>
<b>Federal Identification Number:</b>	
<b>Email address:</b>	
<b>Subscribed and sworn to me this            day of</b>	
<b>my commission expires:</b>	<b>Title:</b>

**(Must be notarized by a Notary Public)**

**SEAL**

# ATTACHMENT B – DRUG-FREEWORKPLACE CERTIFICATION

**DRUG-FREE WORKPLACE CERTIFICATION**

In accordance with Section 44-107-30, South Carolina Code of Laws (1976), as amended, and as a condition precedent to the award of the above-referenced contract, the \_\_\_\_\_ undersigned, who is a member of the Firm of (hereinafter contractor) certifies on behalf of the contractor that the contractor will provide a drug-free workplace by:

1. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensations, possession, or use of a controlled substance is prohibited in the contractor’s workplace and specifying the actions that will be taken against employees for violations of the prohibition;
2. Establishing a drug-free awareness program to inform employees about:
  - a. The dangers of drug abused in a workplace;
  - b. The person’s policy of maintaining a drug-free workplace;
  - c. Any available drug counseling, rehabilitation, and employee assistance programs; and
  - d. The penalties that may be imposed upon employees for drug violations;
3. Making it a requirement that each employee to be engaged in the performance of the contract be given a copy of the statement required by item (1);
4. Notifying the employee in the statement required by item (1) that, as a condition of employment on the contract or grant, the employee will:
  - a. Abide by the terms of the statement; and
  - b. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after the conviction;
5. Notifying the City of Mauldin within ten days after receiving notice under item (4) (b) from an employee or otherwise receiving actual notice of the conviction;
6. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee convicted as required in Section 44-107-50; and
7. Making a good faith effort to continue to maintain a drug-free workplace through implementation of items (1), (2), (3), (4), (5), and (6).

<b>Company name:</b>	
<b>Name of Agent (Print or Type):</b>	
<b>Title:</b>	<b>Date:</b>
<b>Signature of Agent:</b>	
<b>Telephone #</b>	<b>Fax #:</b>
<b>Federal Identification Number:</b>	
<b>Email address:</b>	
<b>Subscribed and sworn to me this            day of</b>	
<b>my commission expires:</b>	<b>Title:</b>

**(Must be notarized by a Notary Public)**

**SEAL**

# ATTACHMENT C – INSURANCE

## **INSURANCE – PROFESSIONAL SERVICES**

The Offeror shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from, or be in connection with the performance of the work hereunder by the individual or the Firm, his agents, representatives, or employees. The cost of such insurance shall be included in the fee proposed.

For the purpose of this clause, the term "professional individual or Firm" shall also include the individual's or Firm's respective officers, agents, officials, employees, volunteers, boards and commissions.

### **A. Minimum Scope and Limits of Insurance**

1. **Broad Form Comprehensive General Liability**  
\$1,000,000 combined single limit per occurrence for bodily injury, personal injury, property damage, to include products and any completed operations.
2. **Automobile Liability**  
\$1,000,000 combined single limit per occurrence for bodily injury and property damage
3. **Umbrella Liability**  
\$1,000,000 per occurrence, following form.
4. **Workers' Compensation**  
Limits as required by State of South Carolina.
5. **Employers' Liability**
  - \$100,000 each accident
  - \$500,000 disease/policy limit
  - \$100,000 disease/each employee
6. **Professional Liability (if used on a claims-made basis, insurance coverage shall be maintained for the duration of the contract and for two years following contract completion.)**
  - \$1,000,000 per occurrence
  - \$2,000,000 aggregate
7. **Personal Property Coverage**  
Adequate insurance to cover the value of personal property belonging to the Vendor while located on City of Mauldin property, while in use or in storage, for the duration of the contract.
8. **Liability (General, Automobile, Professional) Coverage;**
  - a. "The City of Mauldin and its respective officers, agents, officials, employees, volunteers, boards and commissions" are to be named as additional insured's with regards to liability arising out of activities performed by or on behalf of the Vendor; products and completed operations of the Vendor; premises owned, leased or used by the Vendor. The coverage shall contain no special limitations on the scope of protection afforded to the City.

- b. The Vendor's insurance coverage shall be the primary insurance as regards to this contract with the City. Any insurance or self-insurance maintained by the City shall be in excess of the Vendor's insurance and shall not contribute with it.
- c. Any failure to comply with the reporting provisions of the policies shall not affect coverage provided to the City.
- d. Coverage shall state that the Vendor's insurance shall apply separately to each insured against whom a claim is made or a suit is brought, except with respect to the limits of the insurer's liability.

9. Workers' Compensation and Employer's Liability Coverage

- a. The insurer shall agree to waive all rights of subrogation against City of Mauldin for losses arising from the work performed by the Vendor for the City.
- b. If State statute does not require the Vendor to obtain Workers' Compensation insurance, then the Vendor shall furnish the City with adequate proof of the self-employment status. The Vendor agrees to waive all rights of claims against the City for losses arising from the work performed by the Vendor. In the event that during the contract this self-employment status should change, the Vendor shall immediately furnish proper notice to the City and a certificate of insurance indicating that Workers' Compensation insurance and Employer's Liability coverage has been obtained in the correct amounts by the Auditor as required by this Exhibit.

10. Acceptability of Insurers

- a. Insurance is to be placed with insurers which have a Best's rating of at least A.
- b. Insurance companies must either be licensed to do business in the State of South Carolina or be deemed to be acceptable by the City Administrator.

11. Verification of Coverage

The Vendor shall furnish the City with certificates of insurance effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the City Administrator before work commences. Renewal of expiring certificates shall be filed thirty days prior to expiration. The City reserves the right to require complete, certified copies of all required policies, at any time.

B. Aggregate Limits

Any aggregate limits must be declared to and be approved by the City of Mauldin.

C. Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and be approved by the City in writing. At the option of the City, the insurer shall reduce or eliminate such deductibles or self-insured retentions as regards the City or the Vendor shall procure a bond which guarantees

payment of the losses and related investigations, claims administration and defense expenses. At no time will the City be responsible for the payment of deductibles or self- insured retentions.

**D. Notice of Cancellation or Non-renewal**

Each insurance policy required by this Exhibit shall be endorsed to state that coverage shall not be suspended, voided, canceled, or reduced, either in coverage or in limits, except after thirty days prior written notice by certified mail, return receipt requested, has been given to the City.

All insurance documents required by this Exhibit shall be included with the bid packet.

<b>Company name:</b>	
<b>Name of Agent (Print or Type):</b>	
<b>Title:</b>	<b>Date:</b>
<b>Signature of Agent:</b>	
<b>Telephone #</b>	<b>Fax #:</b>
<b>Federal Identification Number:</b>	
<b>Email address:</b>	
<b>Subscribed and sworn to me this            day of</b>	
<b>my commission expires:</b>	<b>Title:</b>

**(Must be notarized by a Notary Public)**

**SEAL**



**ATTACHMENT D – PROPOSAL  
GUARANTEES, WARRANTIES AND SCHEDULE**

## PROPOSAL/PROPOSER GUARANTEES, WARRANTIES AND SCHEDULE

### Proposer Guarantees

The proposer certifies it can and will provide and make available, at a minimum, all services set forth in this RFQ.

### Proposer Warranties

1. Proposer warrants that it is willing and able to comply with State of South Carolina laws with respect to foreign (non-state of South Carolina) corporations.
2. Proposer warrants that it is willing and able to obtain an errors and omissions insurance policy providing a prudent amount of coverage for the willful or negligent acts, or omissions of any officers, employees or agents thereof.
3. Proposer warrants that it will not delegate or subcontract its responsibilities under an agreement without the express prior written permission and consent of the City of Mauldin.
4. Proposer warrants that all information provided by it in connection with this proposal is true and accurate.

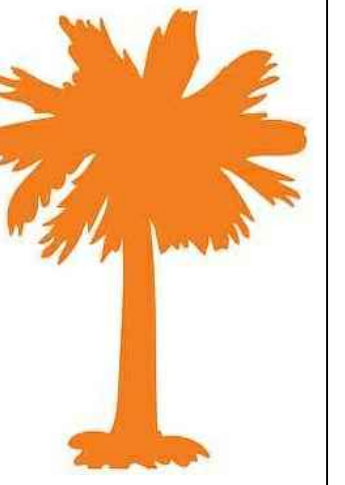
### Proposer Schedule

The Offeror also understands by executing and dating this document their proposed prices/costs shall hold Firm for a period of not less than *ninety (90)* calendar days after the date of the solicitation award.

<b>Company name:</b>	
<b>Name of Agent (Print or Type):</b>	
<b>Title:</b>	<b>Date:</b>
<b>Signature of Agent:</b>	
<b>Telephone #</b>	<b>Fax #:</b>
<b>Federal Identification Number:</b>	
<b>Email address:</b>	
<b>Subscribed and sworn to me this            day of</b>	
<b>my commission expires:</b>	<b>Title:</b>

**(Must be notarized by a Notary Public)**

# ATTACHMENT E – ENGINEERING SPEC SHEET



**PALMETTO STRUCTURAL ENGINEERING, LLC**  
 104 Hunter Hill Circle  
 Tigerville, SC 29688  
 Six Mile, SC 29682  
 Ryan@PalmettoSE.com

**Project:**  
 Mauldin Cultural Center Entry Stair  
 Mauldin, SC

REVISIONS	Description For Review	Date
		No.

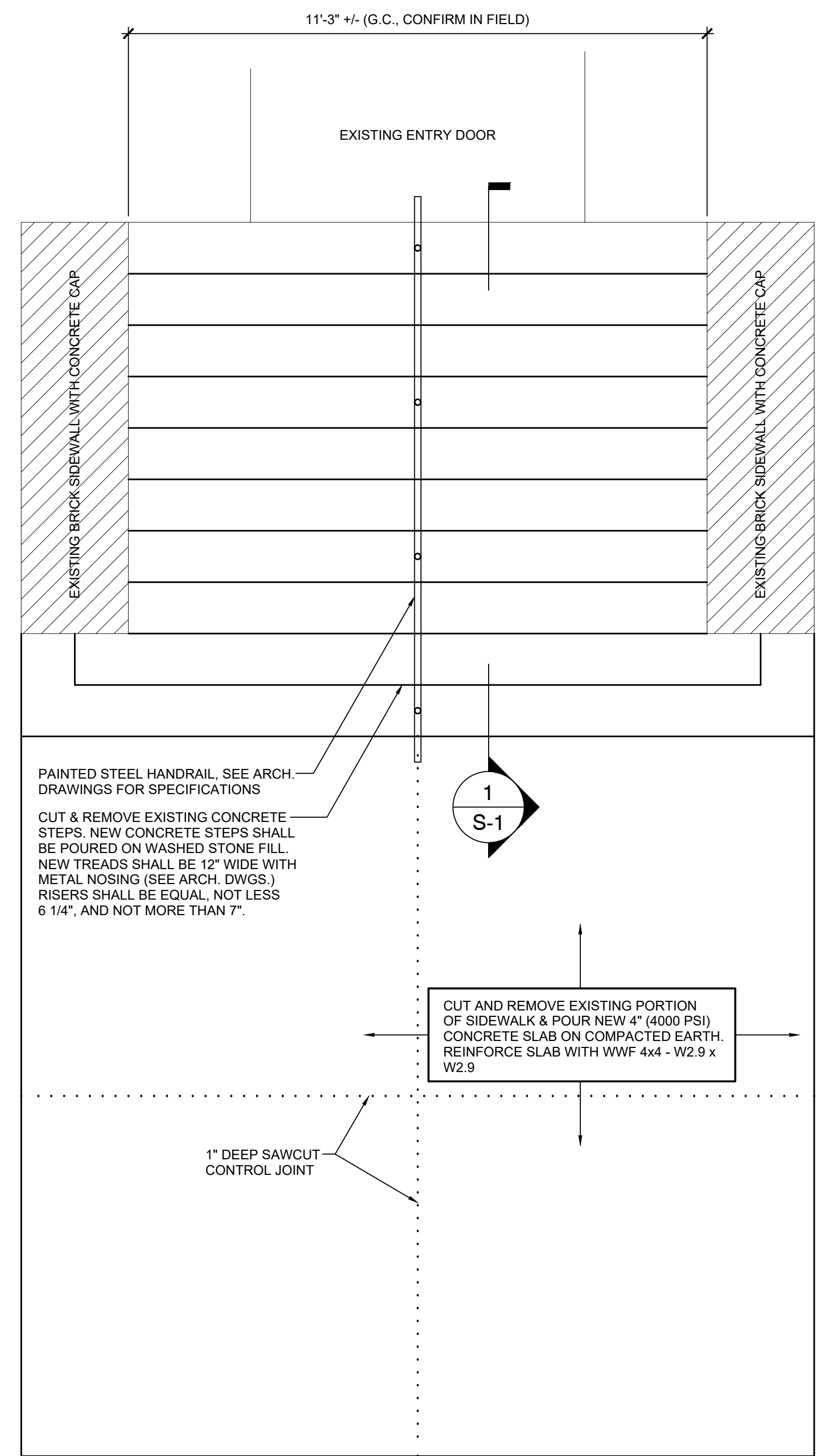


**Entry Stair Plan, Sections & Details**

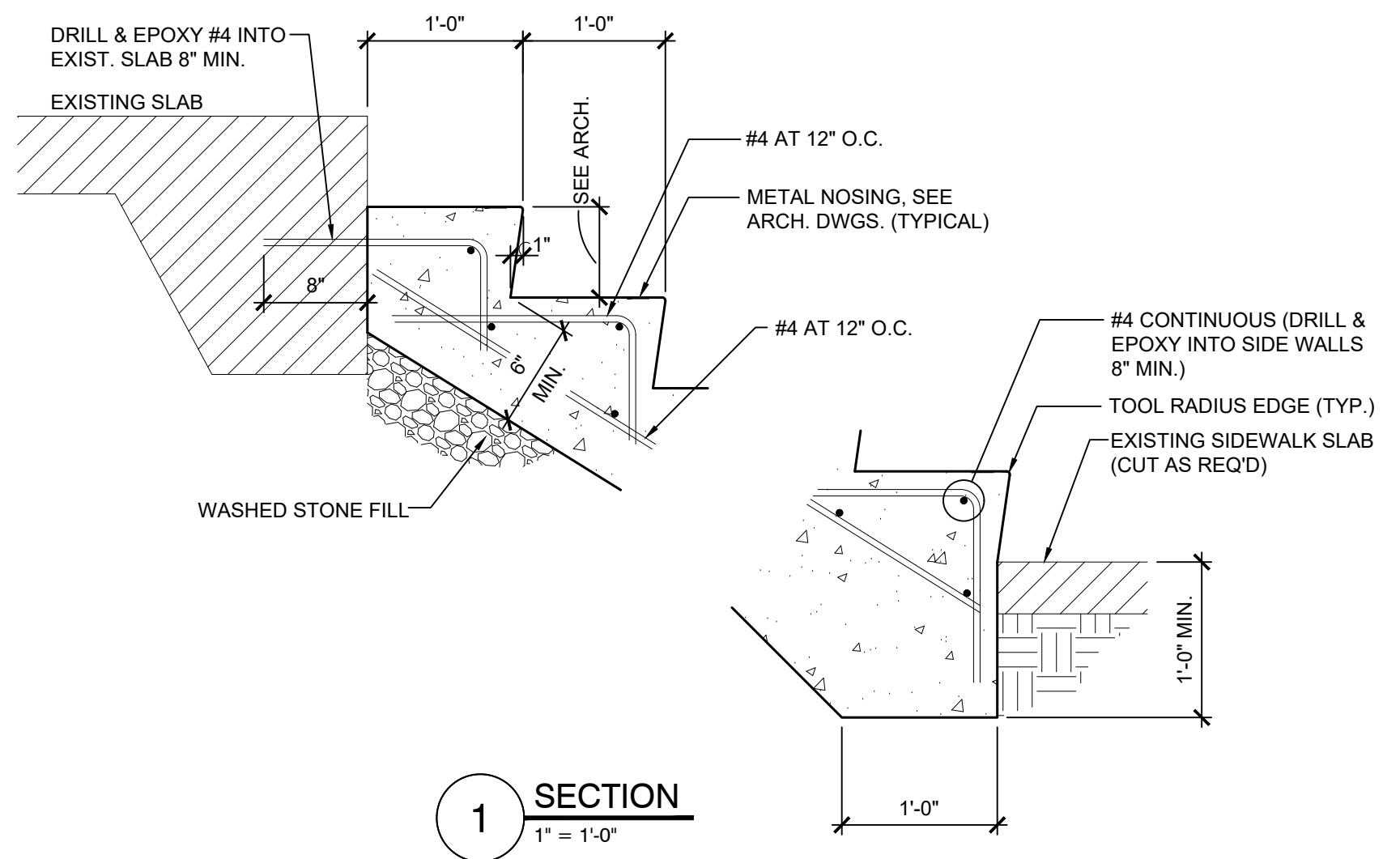
Scale: As Noted  
 Date: 02-29-24  
 Drawn By: R. Summey  
 Project No.:  
 Sheet:

**S-1**

- 01000 GENERAL
- The structure reflected on the drawings is structurally sound in its completed condition only. The design of any and all temporary shoring and bracing prior to the completed condition shall be the contractor's responsibility. The Structural Engineer of Record (EOR) shall not be responsible for the means, methods, techniques, sequences, procedures nor safety programs which are employed by the contractor to build the completed structure. Any deviations from the completed structure represented in the drawings must be submitted to the EOR for approval in writing.
  - The Contractor shall verify all conditions including existing structures (above and below grade) and shall notify the EOR of any discrepancies. The Contractor shall perform all required field measurements.
  - The Sections and Details shown shall be considered to be typical for all similar conditions. The Contractor shall submit written Requests for Information for areas in question.
  - The Contractor shall submit shop drawings for each of the structural components shown on the drawings.
- 01400 QUALITY CONTROL SERVICES:
- A Testing Agency shall be retained by the Owner to perform the following minimum tests. The Contractor shall provide shop drawings, specifications, and design drawings to the testing agency. Testing reports shall be submitted to the EOR within two weeks of performing the tests. The Contractor shall alert the owner to testing costs when submitting the job costs. The Contractor shall provide retesting required for nonconforming items.
  - Earthwork; Footing subgrades and fill placements to be reviewed and tested. Frequency of testing to be determined by the geotechnical engineer.
  - Concrete: Testing agency shall inspect placement of all reinforcing as shown on drawings and schedules. Concrete testing shall be in accordance with ACI 301 and applicable ASTM standards. The following tests should be performed for each day's first load and each 100 cubic yards:
    - Weight of concrete, ASTM C 138.
    - Slump, ASTM C 143.
    - If required, Air content of freshly mixed concrete by pressure method, ASTM C 231 or volumetric method, ASTM C 173.
    - Concrete temperature at placement time.
    - Air temperature and weather (windy, cloudy, etc) at placement time.
    - Strength determined in accordance with ASTM C 39.
- 03000 FOUNDATIONS:
- The Contractor shall notify the EOR of any below grade structure which may affect the foundation performance.
  - Foundations shall bear on residual soils or engineered fill capable of supporting an allowable pressure of 2000 psf. Soils shall be stable, and any expansive, compressible, or shifting material shall be removed to ensure a stable moisture content.
- 03300 CAST-IN-PLACE CONCRETE:
- All concrete work and materials shall be in accordance with ACI 318 and ACI 301.
  - Minimum Material Specifications:
    - Portland Cement: ASTM C 150, Type 1
    - Fly Ash: ASTM C 618, Type F (limit to 20% of cementitious content)
    - Maximum water/cementitious material ratio: 0.5
    - No water may be added at the site without consent of the engineer.
  - Foundations:
    - Foundations shall have a 28 day compressive strength of 3000 psi.
  - Slabs-on-grade:
    - Exterior slabs (under roof or floor) shall have air entraining admixture to provide 6% entrained air. Chamfer all exposed slab edge corners (3/4").
    - Slabs shall be cured using a curing compound containing 30% solids following the manufacturer's specifications. Curing compound shall be compatible with floor finishes.
    - Provide sawcut control joints at 12'-0" (maximum) square pattern (see slab plan for other requirements). Cut 1" joints as soon as possible after finishing (within 12 hours of placement). Construction joints shall be formed by thickening the slab to 8" within 18" of the joint and installing a continuous key or 3/4" dowels at 18" o.c. Joint filler specification to be by owner or architect.
    - Welded Wire Fabric (ASTM A185) (if specified in slabs on grade) shall be installed 1" from the top face of the slab, lapping edges 6". WWF to be supplied in sheet stock only.
    - Provide isolation joints at column boxouts, walls, and penetrations.
    - Reinforce at all re-entrant corners with no control joints with (2) #3 x 4'-0" long centered on the corner, located in the top of the slab. Reinforce around all pipe or box penetrations greater than 3" with (4) #3 in diamond pattern.
    - Specification of exterior concrete paving or sidewalks is by the Civil Engineer.
    - Concrete splatter on walls or adjacent slabs shall be removed.
  - Reinforcing Steel:
    - All detailing, fabrication, and placing shall be in accordance with ACI 315.
    - Reinforcing steel shall be new billet bars conforming to ASTM A615, grade 60.
    - Provide 3" concrete cover for all concrete cast against earth.



**A STAIR PLAN**  
 1/2" = 1'-0"



**1 SECTION**  
 1" = 1'-0"