

ADDENDUM NO. 2
December 5, 2014

PART 1 - GENERAL

1.1 PROJECT

- A. USC Historic Horseshoe Wall Restoration

1.2 ARCHITECT

- A. Stubbs Muldrow Herin architects, Inc.(SMHa)
400 Hibben Street, Mt. Pleasant, SC 29464
(843) 881-7642

1.3 RELATED DOCUMENTS

- A. This Addendum consists of 14 pages.

- B. To Prime Bidders of Record:

1. This addendum forms a part of the Contract Documents and modifies the original Project Manual and Drawings dated 10.24.2014. Acknowledge receipt of this addendum on the Bid Form. Failure to do so may cause a bid to be rejected as unresponsive as outlined in the Instructions to Bidders. 1.4 CLARIFICATIONS
2. A water source is available from adjacent irrigation and building areas to the project area. Contractors will need to provide their own power source.
3. Staging/Laydown Areas. A remote area of USC property will be available for bulk brick delivery and storage, located at the corner of Gadsden and Blossom Streets. The contractor shall be responsible for bringing brick to the project area as needed. Staging of brick at the Horseshoe area itself shall be limited in scope. Four locations adjacent to the project have been identified for interim staging of brick and other materials. These areas range from 400 SF to 1900 SF in size. Of these areas, a total of 2300 SF is turfgrass. The Contractor shall be responsible for restoring any landscape areas to their existing condition at the end of the project.
4. USC will request and pay for two (2) contiguous on-street parking spaces at various locations along Sumter and Pendleton Streets for the Contractor's use (for work vehicle and a small dumpster) during the project; the spaces will be located as close as possible to the contractor's work zone at any given time. Additional employee parking is available in USC garages at a monthly rental rate of \$60 plus a \$25 access card charge. Contact Parking Services at 803-777-4366 for additional information.

5. USC will coordinate with the contractor to arrange on-street parking, sidewalk closures and other temporary encroachment on the public right-of-way. Contractor may be required to provide indemnification and liability insurance as a co-permittee of any temporary City of Columbia encroachment.
6. Normal work hours shall be observed. Weekend work hours shall be generally available pending any special events. Special work restrictions may be required during University events such as graduation.

PART 2 - ADDENDUM ITEMS

The following changes Clarifications shall be made to the Project Manual:

2.1 GENERAL REQUIREMENTS:

- A. Delete Bid Form 330 issued in Addendum #1. Replace with attached Bid Form 330 (dated December 5, 2014).

2.2 ARCHITECTURAL

The following changes/clarifications shall be made to the Project manual:

- A. Section 040120. Page 8 Paragraph 2.2. Section A. 1. Revise to read:
 - a. "Natural Hydraulic Lime Mortar NHL 3.5, by US Heritage Group, 3516 N. Kostner, Chicago, IL. 60641, as outlined in the attached Mortar Analysis Memo."
- B. The restoration mortar shall be mixed with sand in a ratio (lime to sand volumetric ratio) of 1:2.
- C. Standard pre-blended masonry cement mixes will not be allowed.
- D. Section 040120. Page 7 Paragraph 2.1. Section A. 3. Revise to read:
 - a. "3. Date Identification: Emboss in the clay body of an interior surface of 5% of the total number of units in easily read 1/2 -inch-high characters, "Made 2014". Manufacturer's name may also be embossed."
 - b. "Delete Item #5 Section 040120. Page 8 Paragraph 4. a."
- E. Section 040120. Page 7 Paragraph 2.1. Section A. 1. Add:
 - a. "Provide range of brick colors per 1000 for a 3-color blend per brick supplier."

The following changes/clarifications shall be made to the Project drawings:

- A. Delete Sheet A302. Add sheets AD2-1 and AD2-2 attached to this document. The bollard shall be the USC standard bollard. See attached USC Standard for Site Amenities Bollard specification and installation detail.
- B. Sheets A100 and A301 Detail J5. Each of the two french drain piping segments shall be connected to a discharge point in a gravel dry well. The well shall be a 2' x 2' x 3' area excavated out and filled with #57 stone, with a filter fabric wrap on all sides. The dry well locations shall be determined in the field but shall be within 15 LF of the piped segments as shown on Sheet A100.

PART 3 - EXECUTION

N/A

**SE-330 – LUMP SUM BID
BID FORM**

Bidders shall submit bids on only Bid Form SE-330.

BID SUBMITTED BY: _____
(Bidder's Name)

BID SUBMITTED TO: UNIVERSITY OF SOUTH CAROLINA
(Owner's Name)

FOR PROJECT: PROJECT NAME: HISTORIC HORSESHOE WALL RESTORATION - PHASE 1

PROJECT NUMBER: H27-Z138

OFFER

§ 1. In response to the Invitation for Construction Bids and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to Section 11-32-3030(1) of the SC Code of Laws, as amended, Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

- Bid Bond with Power of Attorney Electronic Bid Bond Cashier's Check

(Bidder check one)

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

ADDENDUM No: _____

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of 60 Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 BASE BID WORK *(as indicated in the Bidding Documents and generally described as follows):* Historic restoration of designated portions of the masonry wall surrounding USC's historic Horseshoe. Work shall include removal and replacement (tuckpointing) off all mortar on the exterior and interior faces of the wall, replacement of damaged brick, and removal and replacement of damaged portions of the wall.

_____, which sum is hereafter called the Base Bid.

(Bidder - insert Base Bid Amount on line above)

Revised 12.5.14 Addendum #2
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BID FORM

2011 Edition
 Rev. 9/21/2011

§ 6.2 **BID ALTERNATES** - as indicated in the Bidding Documents and generally described as follows:

ALTERNATE # 1 (*Brief Description*): Remove from the scope of the Work repointing a portion of the east side of wall (the portion indicated on the drawings) of Segment No. 4 and No. 5; if demolition of the Greenhouse by the Owner is not complete.

ADD TO or **DEDUCT FROM BASE BID:** _____
 (*Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate*)

ALTERNATE # 2 (*Brief Description*): Demolish existing low brick raised planter, iron fence, plant materials, and soils as indicated. Remove concrete pavement at triangle infill area back to edge of sidewalk. Remove brick wall coping and 6 courses of existing wall. Rebuild coping to match existing at lower level. Clean and restore brickwork at base of wall. Provide approximately 120 sf new brick pavement in triangle area. Brick pavement to be dry laid on granite screening bed over 4" compacted aggregate with metal edge restraint on exposed angled edge. Coordinate with owner for the sequencing of all work. Return existing signage to owner.

ADD TO or **DEDUCT FROM BASE BID:** _____
 (*Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate*)

ALTERNATE # 3 (*Brief Description*): _____

ADD TO or **DEDUCT FROM BASE BID:** _____
 (*Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate*)

§ 6.3 **UNIT PRICE WORK**

Bidder offers for the Agency's consideration and use the following **UNIT PRICES**. The **UNIT PRICES** offered by Bidder indicate the amount to be added to or deducted from the Contract Sum for each item-unit combination. **UNIT PRICES** include all costs to the Agency, including those for materials, labor, equipment, tools of trades and labor, fees, taxes, insurance, bonding, overhead, profit, etc. The Agency reserves the right to include or not to include any of the following **UNIT PRICES** in the Contract and to negotiate the **UNIT PRICES** with Bidder.

<u>NO.</u>	<u>ITEM</u>	<u>UNIT OF MEASURE</u>	<u>ADD</u>	<u>DEDUCT</u>
1.	Deduct 10 square feet of above grade mortar on wall area including excavation and backfill.	square feet		
2.	Add Ten square feet below grade mortar repointing, including excavation and backfill.	square feet		
3.	Removal of one cubic yard of unsuitable soil adjacent to and			

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- under wall including three linear
feet of temporary shoring. cubic yard
4. Add one cubic yard of flowable fill
 replace unsuitable soil under wall. cubic yard
5. Add one cubic yard of suitable growing
 mixture of sand and organic fill material
 above flowable fill (in Unit Price 4) to
 finish grade. cubic yard
- 6.

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BID FORM

§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED – (See Instructions on the following page BF-2A)

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Specialty work listed:

SUBCONTRACTOR SPECIALTY By License Classification and/or Subclassification (Completed by Owner)	SUBCONTRACTOR'S PRIME CONTRACTOR'S NAME (Must be completed by Bidder) BASE BID	SUBCONTRACTOR'S PRIME CONTRACTOR'S SC LICENSE NUMBER
ALTERNATE 1		
ALTERNATE 2		
ALTERNATE 3		

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

INSTRUCTIONS FOR SUBCONTRACTOR LISTING

- 1.** Section 7 of the Bid Form sets forth a list of subcontractor specialties for which bidder is required to identify by name the subcontractor(s) Bidder will use to perform the work of each listed specialty. Bidder must identify only the subcontractor(s) who will perform the work and no others.
- 2.** For purposes of subcontractor listing, a Subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site. Material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the bidder or proposed subcontractor(s) are not subcontractors and Bidder should not insert their names in the spaces provided on the bid form. Likewise, Bidder should not insert the names of sub-subcontractors in the spaces provided on the bid form but only the names of those entities with which bidder will contract directly.
- 3.** Bidder must only insert the names of subcontractors who are qualified to perform the work of the listed specialties as specified in the Bidding Documents and South Carolina Licensing Laws.
- 4.** If under the terms of the Bidding Documents, Bidder is qualified to perform the work of a specialty listed and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert its own name in the space provided for that specialty.
- 5.** If Bidder intends to use multiple subcontractors to perform the work of a single specialty listing, Bidder must insert the name of each subcontractor Bidder will use, preferably separating the name of each by the word **“and”**. If Bidder intends to use both his own employees to perform a part of the work of a single specialty listing and to use one or more subcontractors to perform the remaining work for that specialty listing, bidder must insert his own name and the name of each subcontractor, preferably separating the name of each with the word **“and”**.
- 6.** Bidder may not list subcontractors in the alternative nor in a form that may be reasonably construed at the time of bid opening as a listing in the alternative. A listing that requires subsequent explanation to determine whether or not it is a listing in the alternative is non-responsive. If bidder intends to use multiple entities to perform the work for a single specialty listing, bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word **“and”** between the name of each entity listed for that specialty. Owner will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word **“or”**, a virgule (that is a /), or any separator that the Owner may reasonably interpret as a listing in the alternative.
- 7.** If Bidder is awarded the contract, bidder must, except with the approval of the owner for good cause shown, use the listed entities to perform the work for which they are listed.
- 8.** If bidder is awarded the contract, bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
- 9.** Bidder's failure to insert a name for each listed specialty subcontractor will render the Bid non-responsive.

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§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (FOR INFORMATION ONLY): Pursuant to instructions in the Invitation for Bids, if any, Bidder will provide to Owner upon the Owner’s request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code Ann § 11-35-3020(b)(i).

§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

a. **CONTRACT TIME:** Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within **180** calendar days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b. **LIQUIDATED DAMAGES:** Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the sum of **\$200.00** for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This sum is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

§ 10. AGREEMENTS

- a. Bidder agrees that this bid is subject to the requirements of the law of the State of South Carolina.
- b. Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c. Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

§ 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

Electronic Bid Bond Number: _____

Signature and Title: _____

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BIDDER'S TAXPAYER IDENTIFICATION

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER: _____

OR

SOCIAL SECURITY NUMBER: _____

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS

Classification(s) & Limits: _____

Subclassification(s) & Limits: _____

SC Contractor's License Number(s): _____

BY SIGNING THIS BID, THE PERSON SIGNING REAFFIRMS ALL REPRESENTATIONS AND CERTIFICATIONS MADE BY BOTH THE PERSON SIGNING AND THE BIDDER, INCLUDING WITHOUT LIMITATION, THOSE APPEARING IN ARTICLE 2 OF THE INSTRUCTIONS TO BIDDER. THE INVITATION FOR BIDS, AS DEFINED IN THE INSTRUCTIONS TO BIDDERS, IS EXPRESSLY INCORPORATE BY REFERENCE.

SIGNATURE

BIDDER'S LEGAL NAME: _____

ADDRESS: _____

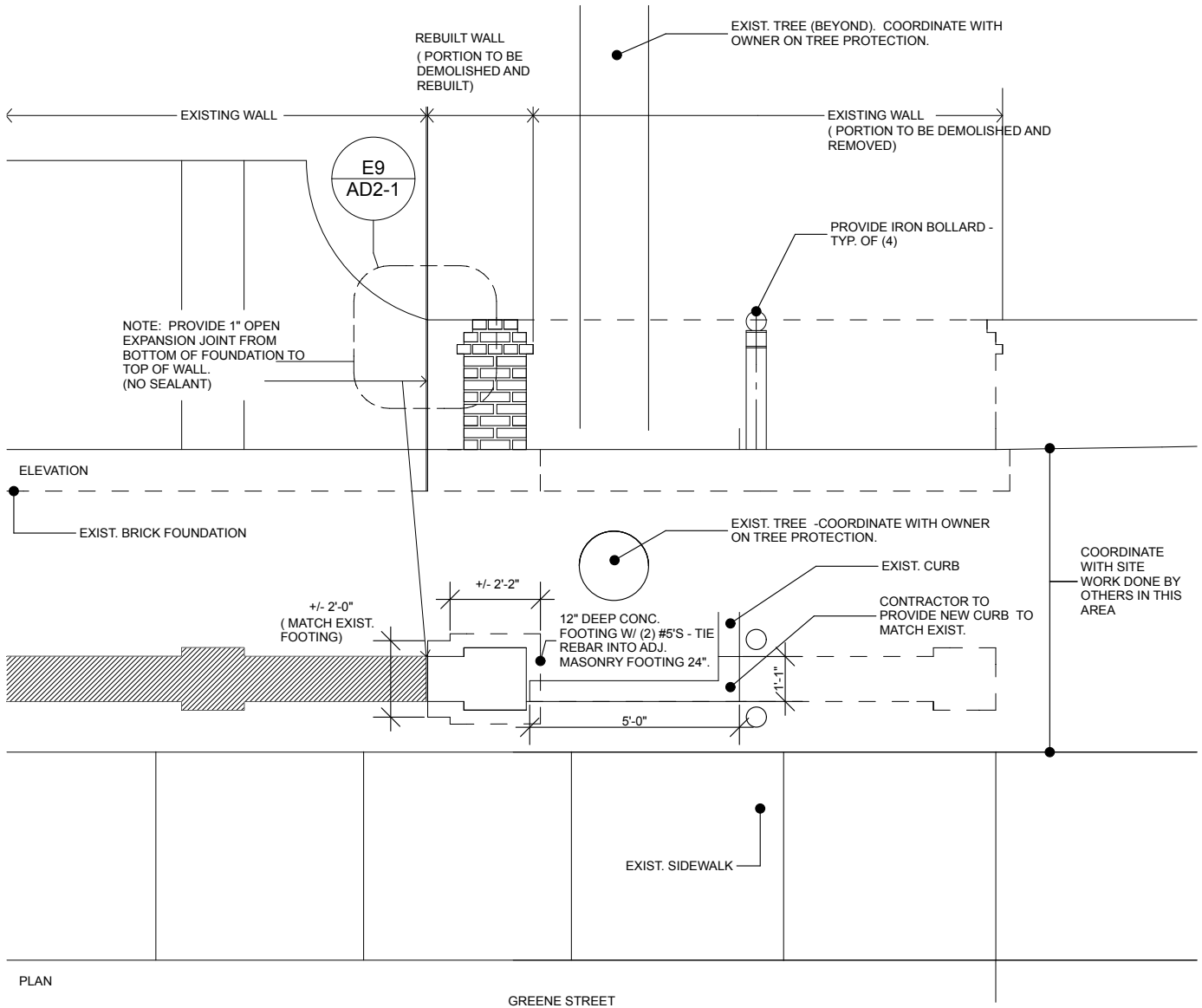
BY: _____
(Signature)

DATE: _____

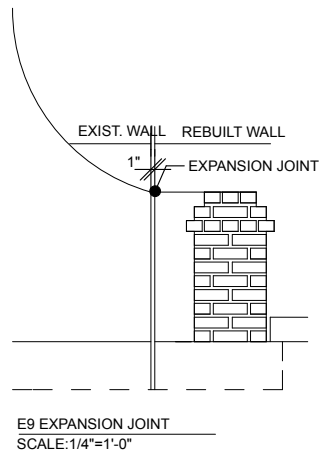
TITLE: _____

TELEPHONE: _____

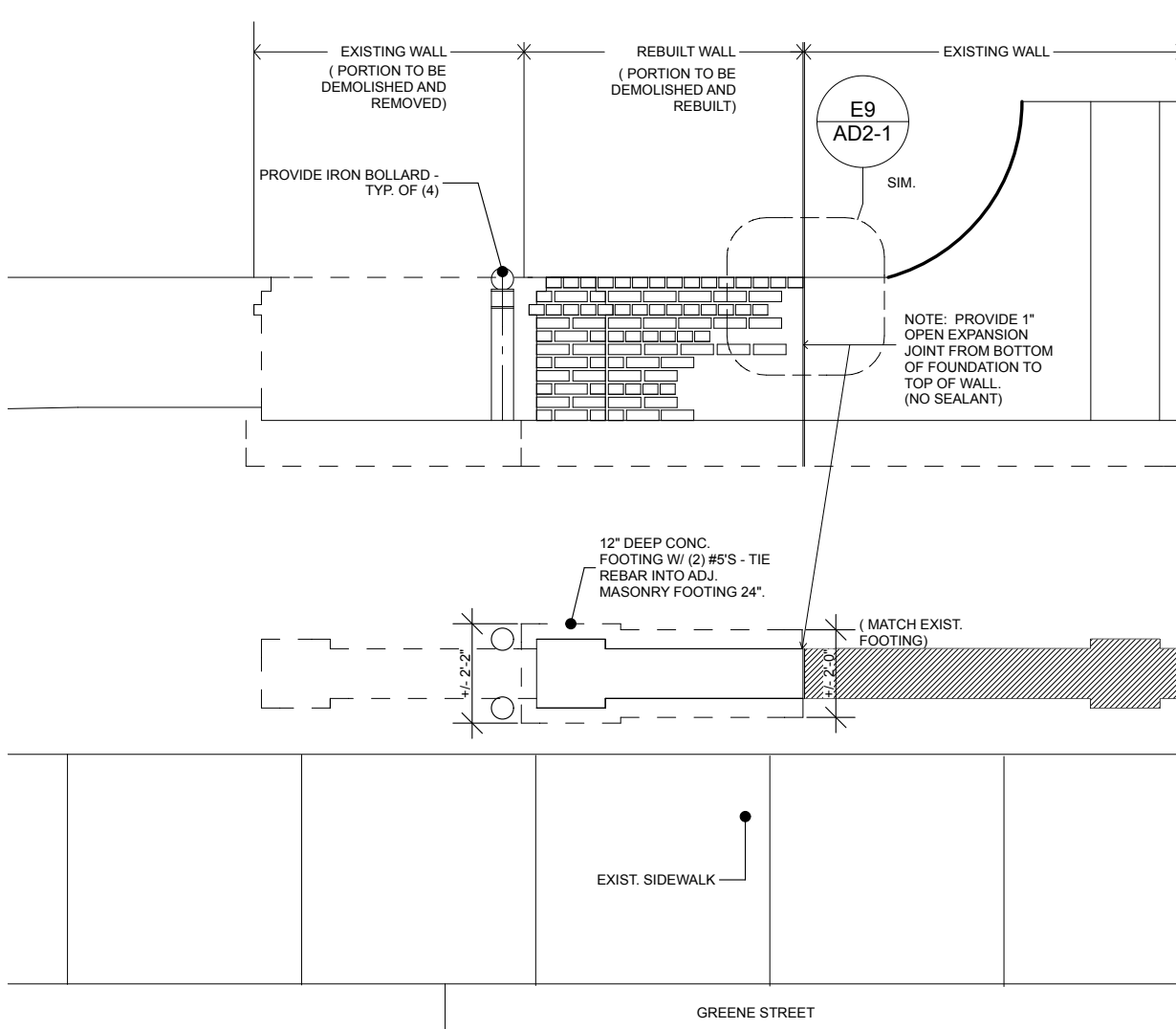
EMAIL: _____



H1 ENLARGED ENTRY PLAN AND ELEVATION
SCALE: 1/4"=1'-0"



E9 EXPANSION JOINT
SCALE: 1/4"=1'-0"



H1 ENLARGED ENTRY PLAN AND ELEVATION
SCALE: 1/4" = 1'-0"

SECTION 3: BOLLARDS

BOLLARDS



Description

The campus standard bollard is a 6” diameter steel pipe with collars. Both direct burial and removable bollards are used. Color: Black

Standard

The model and manufacturer used as the USC standard is:

B-1 Bollard

Fairweather Site Furnishings,
Port Orchard, Washington 1-800-323-1798

Bollards from other manufacturers must be of similar style and meet or exceed specified standards noted below.

Bollards may also be obtained via Work Order from USC Welding Shop, generally at a cost savings.

SPECIFICATIONS

MATERIAL

Bollard shall be fabricated with 5" schedule 10 steel pipe (5-5/8" OD), 2 each 2 inch and 1 each 3 inch schedule 80 decorative collars (6.62" OD) and a schedule 40 welded cap all fully welded and machine ground smooth. Steel shall conform to ASTM A53.

In Ground Receivers, for removable bollard only, shall be fabricated with a 10-gauge steel sleeve welded to a 3"x5" lockwell.

PROTECTIVE COATINGS

Powder Coating: Following fabrication bollards shall be cleaned and treated with an iron phosphate process prior to the coating application. This process shall include a nonchromated alkaline cleaner and an iron phosphate treatment followed with an acidic sealer for maximum adhesion. The protective coatings shall be either polyester or polyester TGIC powder. Following application the parts shall be baked until properly cured. The coating shall be a minimum of 4 mils thick on all surfaces.

Hot Dip Galvanizing on Receivers: Following fabrication, the receivers shall be hot dip galvanized to standard ASTM A123, 3 to 4 mils thick.

WARRANTY

Manufacturer's warranty for products will be to be free from defects in material and/or workmanship for a period of three years from the date of invoice

