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Groups

- Structural
- Mechanical
- Electrical
- Plumbing
- Fire Protection

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Locations

- Greensboro, NC
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- Birmingham, AL

ADDENDUM NUMBER TWO

Date: September 10, 2013
 To: Mr. Brian Kugler
 University of North Carolina Charlotte
 From: Charles E. Cardwell, PE, LEED AP
 Re: Cone Plaza Repairs
 University of North Carolina Charlotte
 SCO ID: 12-09714-01A
 SKA Project: 120345.2

NOTICE TO BIDDERS

Bidder is hereby notified that this Addendum shall hereby become a part of the Contract Documents, and shall be attached to the Project Manual for the Project.

The following items are intended to revise and clarify the Drawings and the Project Manual.

The bidder shall see that his Sub-Bidders are in full receipt of the information contained herein.

General:

This Addendum includes the following groups and subsequent "items" referring to various parts of the Contract Documents. Note that some "items" may refer to Bulletin Drawings which are attached at the back of the Addenda.

CORRECTIONS TO PREVIOUS ADDENDA ISSUED: (1) ITEMS

PROJECT MANUAL: (3) ITEMS

DRAWINGS: (10) ITEMS

(CS) TITLE, GENERAL, LIFE-SAFETY DRAWINGS (0) ITEMS

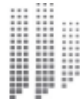
- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(D) DEMOLITION (0) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(C) CIVIL (0) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

**(S) STRUCTURAL (9) ITEMS**

- 9- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(W) WATERPROOFING (0) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(ED) ELECTRICAL DEMOLITION (0) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(E) ELECTRICAL (0) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(PD) PLUMBING DEMOLITION (0) ITEMS

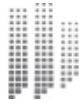
- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 0- Drawing Sheets reissued

(P) PLUMBING (1) ITEMS

- 0- Descriptive changes enclosed
- 0- Bulletin Drawings enclosed
- 1- Drawing Sheets reissued

MISCELLANEOUS (4) ITEMS

END OF TITLE PAGE



CORRECTIONS TO PREVIOUS ADDENDA ISSUED

1. Addendum Number One, Pre-Bid Meeting Minutes, Item 1. –
Revise as follows:

“...The location is the same as advertised.” Shall be revised to, “...The location for receiving sealed proposals shall be Cone 208.”

CONSTRUCTION DOCUMENTS – PROJECT MANUAL

1. Specification Section 01 23 00 – ADD-ALTERNATES:

- a. For Alternates 1B, 2B and 3B, revise last sentence of description to read, “Refer to Civil, Structural and other Drawings as applicable for Details and Specifications.

- b. Add the following Alternates:

“G. Alternate 4: Painting

1. Description: The scope of work for this alternate shall include the materials and labor required for painting not included in the base bid and as indicated in the General Coating Notes on Drawing Sheets S6 and S7.

H. Alternate 5: Asbestos Abatement

1. Description: The scope of work for this alternate shall include the materials and labor required to abate and dispose of 410 linear feet of pipe insulation containing asbestos. It shall also include replacing 180 linear feet of steam pipe insulation providing the same level of insulation value as existing. Asbestos abatement shall be performed by a qualified contractor with a minimum of (5) years experience in asbestos abatement. Work practices to be used to control asbestos emissions during demolition shall follow all federal, state and local regulations. Applicable permits shall be in place prior to performing work.”

2. Specification Section 03 94 00 – CONCRETE REPAIR MORTARS

Under Item 2.01, PRODUCTS, Item A. Acceptable Manufacturers, add: “5. Mapei Corporation”

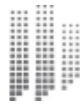
3. FORM OF PROPOSAL

Replace FORM OF PROPOSAL with the attached revised FORM OF PROPOSAL.

CONSTRUCTION DOCUMENTS – DRAWINGS

Structural

1. On Sheet S2, General Coating Notes 3 and 5: Areas of isolated corrosion for specific beams has not been computed. Contractor shall assume 15% of beam surface area of beams is to be cleaned per SSPC SP6. The 15% is in addition to specific conditions and items noted such as concealed corroded sides, stepped angles and connections.
2. Refer to Sections 5/S5 and 13/S5. Existing veneer on adjacent building is to be removed down to the shelf angle support on the adjacent building framing. Veneer above is to be temporarily supported by steel jacks spaced appropriately to avoid damage in veneer above to remain. New veneer to be anchored to adjacent building with veneer anchors and ties spaced at 16 inches center to center each way. Power tool clean and coat existing shelf angle per Note 3 of the Coating Notes.



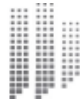
3. On Sheet S2, refer to Beam G6. Remove and replace masonry along line C2 from 9 to 11a to allow access for cleaning and coating the beam. New masonry shall be reinforced as indicated in 5/S5 and secured to the existing beam.
4. Refer to Elevation B/S5 and Section 7/S4. In lieu of new reinforced masonry infill at the new truss reinforcement, provide cast-in-place concrete infill; 8-inch thick, reinforced with #4 at 10 inches center to center each way centered in wall. Provide ½-inch diameter by 6-inch long headed studs at 12 inches center to center welded to steel members that will be encapsulated in the new concrete wall.
5. Refer to 11/S4 and 1/W7. New mortar/topping overlay shall be reinforced with #4 bars at 12 inches center to center each way and dowel to the existing substrate with #4 dowels at 24 inches center to center each way. Terminate top of dowels with 90° standard hook.
6. Refer to 1/S5. In lieu of L4 x 4s indicated, provided two (2) L6 x 4 x ½ (LLV) angles spanning between beams below. Extend 6-inch vertical leg to existing beam webs below and weld thereto.
7. Refer to 9/S5. Bolt spacing shall be 4@5 inches in lieu of 3@5 inches. The plate lengths to increase by 5 inches.
8. Unless otherwise indicated, all new composite beams and existing beams supporting new slabs that exceed 10'-0 in length shall be shored during casting and curing of slabs.
9. Where new epoxy embedded anchors are indicated but not noted, contractor shall assume 5/8-inch diameter stainless steel dowels with embed as indicated in 1/S4 and spaced at 12 inches center to center.

Plumbing

1. Drawing Sheet P1 is attached and issued as a complete replacement to the original drawing.

MISCELLANEOUS

1. The following are questions presented by bidders with corresponding answers:
 - a. Question: What is the duration for the base bid?
Response: Duration will be from Notice to Proceed until March 1, 2014.
 - b. Question: Will additional days be added to the duration per Alternate?
Response: No additional days for Alternate. A completion date of March 1, 2014 should provide sufficient time to include construction of Alternate.
 - c. Question: What is the anticipated start date?
Response: A Notice to Proceed will be expedited with a hopeful start date by early October 2013.
 - d. Question: What is the load capacity of the existing plaza deck? Can a fork lift or bobcat be used for demolition/etc. purposes on the plaza deck?
Response: Maximum axle load shall be limited to 5000 pounds.
 - e. Question: Is the General Contractor required to have a third party inspector look and approve all steel repairs?
Response: Owner shall select and pay for a firm to inspect the steel as required. It will be the responsibility of the General Contractor to notify the inspection firm when work is ready to be looked at.



- f. Question: Can a university site map indicating the location of the storage dumpster and the route for which the truck will need to take be provided?
Response: See attached.
- g. Question: Can SKA elaborate on the break out of the Alternates and which Alternates include previous Alternates?
Response: The strengthening of the steel that is associated with the addition of the planters has been broken out separate. In the event the bids come in too high, the Owner may choose just to strengthen the beams at this time to allow the planters to be added at a later date. Also, the Add-Alternates for strengthening of the steel and the addition of planters are all inclusive. As an example, if the Owner selected Alternates 3A and 3B, Alternates 1A, 1B, 2A and 2B would not be selected.
2. Contractor shall remove temporary support and replace any and all conduits, pipes, services, etc. to allow execution of the work specified. These services shall remain in operation unless otherwise noted.
3. Contractor shall remove and discard all existing gutter systems used to control current leakage. These may be removed at the time convenient to the Contractor. However, the Contractor shall protect all equipment beneath the deck from weather, moisture and damage for the duration of the project.
4. Contractor shall include in their base bid, testing of any existing pipe insulation for asbestos that is either scheduled to be removed on the plumbing demolition drawings or may be damaged during structural repairs. Testing shall be performed by a qualified firm with a minimum of (5) years experience in testing for asbestos.

Attachments: Revised Form of Proposal
UNCC Cone Plaza Site Map Identifying Dumpster Location
Revised Drawing Sheet P1

END OF ADDENDUM NUMBER TWO

FORM OF PROPOSAL (REVISED)

Cone Plaza Repairs

Contract: _____

The University of North Carolina at Charlotte

Bidder: _____

SCO-ID #. 12-09714-01A

Date: _____

The undersigned, as bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. The bidder further declares that he has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed.

The Bidder proposes and agrees if this proposal is accepted to contract with the

The University of North Carolina at Charlotte

in the form of contract specified below, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of

Cone Plaza Repairs

in full in complete accordance with the plans, specifications and contract documents, to the full and entire satisfaction of the State of North Carolina, and the

**The University of North Carolina at Charlotte
and
SKA Consulting Engineers, Inc.**

with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the contract documents, for the sum of:

SINGLE PRIME CONTRACT:

Base Bid: _____ Dollars(\$)

General Subcontractor: _____ Lic _____
Plumbing Subcontractor: _____ Lic _____

Mechanical Subcontractor: _____ Lic _____
Electrical Subcontractor: _____ Lic _____

GS143-128(d) requires all single prime bidders to identify their subcontractors for the above subdivisions of work. A contractor whose bid is accepted shall not substitute any person as subcontractor in the place of the subcontractor listed in the original bid, except (i) if the listed subcontractor's bid is later determined by the contractor to be non-responsible or non-responsive or the listed subcontractor refuses to enter into a contract for the complete performance of the bid work, or (ii) with the approval of the awarding authority for good cause shown by the contractor.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "added to" or "deducted from" the base bid. (Strike out "Add" or "Deduct" as appropriate.)

GENERAL CONTRACT

Alternate 1A: Provide Beam Strengthening Required for Planters A, B and C: The scope of work for this alternate shall include the materials and labor required for addition of new beams and strengthening existing steel beams, columns and footings to support planters A, B and C as shown on the Structural Drawings.

(Add)

Dollar(\$)

Alternate 1B: Install Planters A, B and C: The scope of the work for this alternate shall include the materials and labor required to install planters A, B and C. Refer to Civil and Structural Drawings for details and specifications.

(Add)

Dollar(\$)

Alternate 2A: Provide Beam Strengthening Required for Planters A, B, C, D and F: The scope of work for this alternate shall include the materials and labor required addition of new beams and for strengthening existing steel beams, columns and footings to support planters A, B, C, D and F as shown on the Structural Drawings.

(Add)

Dollar(\$)

Alternate 2B: Install Planters A, B, C, D and F: The scope of the work for this alternate shall include the materials and labor required to install planters A, B, C, D and F. Refer to Civil and Structural Drawings for details and specifications.

(Add)

Dollar(\$)

Alternate 3A: Provide Beam Strengthening Required for Planters A, B, C, D, E and F: The scope of work for this alternate shall include the materials and labor required for addition of new beams and strengthening existing steel beams, columns and footings to support planters A, B, C, D, E and F as shown on the Structural Drawings.

(Add)

Dollar(\$)

Alternate 3B: Install Planters A, B, C, D, E and F: The scope of the work for this alternate shall include the materials and labor required to install planters A, B, C, D, E and F. Refer to Civil and Structural Drawings for details and specifications.

(Add)

Dollar(\$)

Alternate 4: Painting: The scope of work for this alternate shall include the materials and labor required for painting not included in the base bid and as indicated in General Coating Notes on Drawing Sheets S6 and S7.

(Add)

Dollar(\$)

Alternate 5: Asbestos Abatement: The scope of work for this alternate shall include the materials and labor required to abate and dispose of 410 linear feet of pipe insulation containing asbestos. It shall also include replacing 180 linear feet of stem pipe insulation with insulation providing the same level of insulation value as existing.

(Add)

Dollar(\$)

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents.

Work	Unit	Price
Concrete in Forms on Slab (Not Reinforced)	Cu. Yd.	\$ _____
Steel Reinforcing in Forms or Slab	Ton	\$ _____
Concrete Repair Mortars Reinforced in Place (See Specification Section 03 94 00 and Typical Overlay Topping Reinforcement Detail 1/G5) (Assume 6" thickness)	Sq. Ft.	\$ _____
Steel Bottom Reinforcement (1" thick by 12" wide)	Ln. Ft.	\$ _____
Concrete Footing, Pier and Steel Column Reinforcement as shown in 1/S1.	Ea.	\$ _____
Planter Wall Section as Shown in 14/S5.	Ln. Ft.	\$ _____
Planter Wall Section as Shown in 15/S5	Ln. Ft.	\$ _____
Added Metal Decking Support per Detail 2/S4	Ea.	\$ _____
Type B Beam Reinforcement with WT x 20 x 20 Feet Long	Ea.	\$ _____
Type C Beam Reinforcement with Bottom Plate 1" x 10" and Two (2) L 3-1/2" x 3-1/2" x 1/4" x 20 Feet Long	Ea.	\$ _____
6-1/2" Thick Reinforced Concrete Slab on Metal Deck as Shown in Section 3A/S4.	Sq. Ft.	\$ _____
6" Thick Concrete Slab-on-Grade 4,000 psi at 28 Days	Sq. Ft.	\$ _____
Abate and dispose of pipe insulation containing asbestos	Ln. Ft.	\$ _____
Steam pipe insulation with same insulation values as existing.	Ln. Ft.	\$ _____

The bidder further proposes and agrees hereby to commence work under this contract on a date to be specified in a written order of the designer and shall fully complete all work thereunder within the time specified in the Supplementary General Conditions Article 23. Applicable liquidated damages amount is also stated in the Supplementary General Conditions Article 23.

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B**) to that effect in lieu of Affidavit (**A**) required above. The MB Participation Form must still be submitted even if there is zero participation.

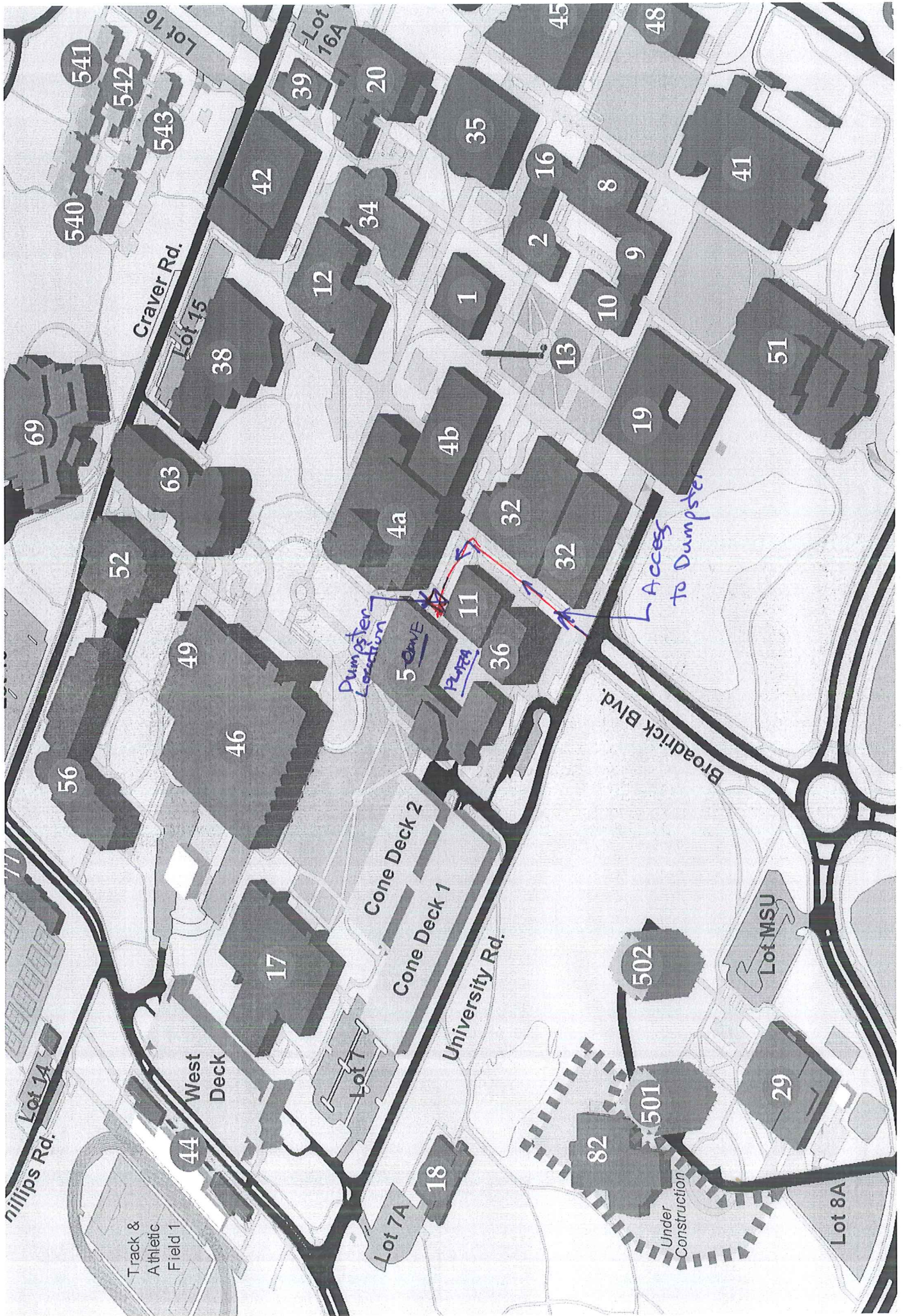
After the bid opening - The Owner will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

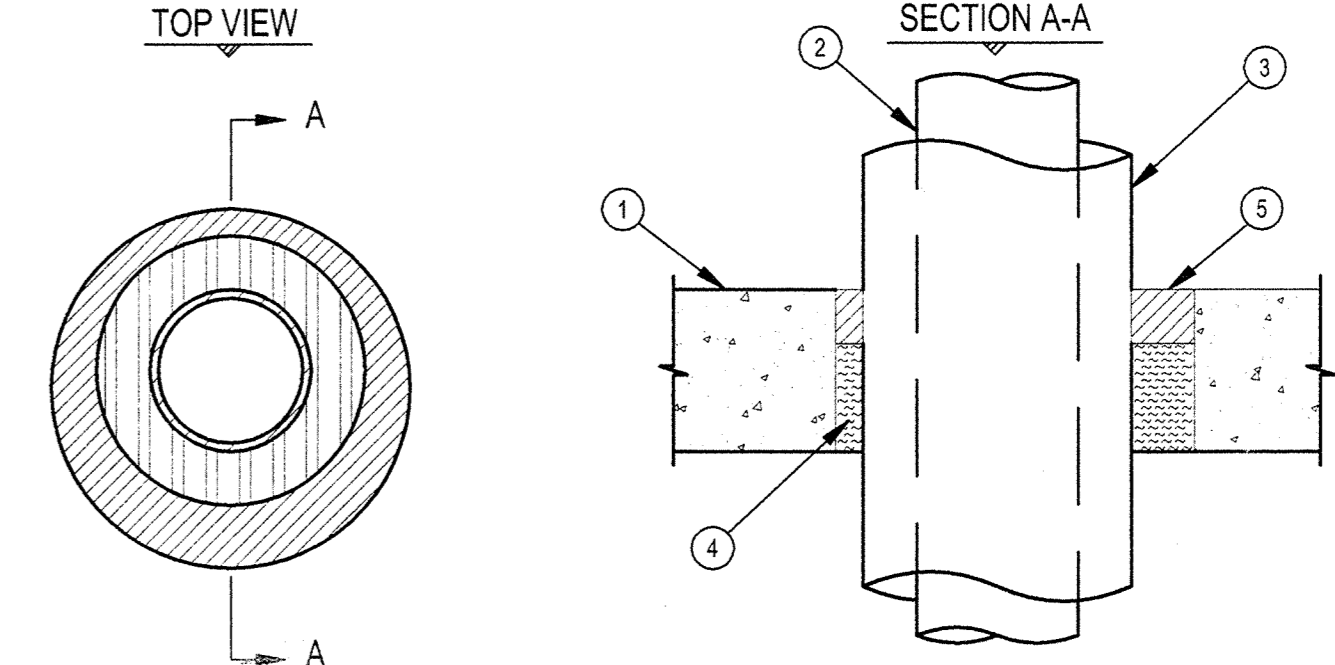
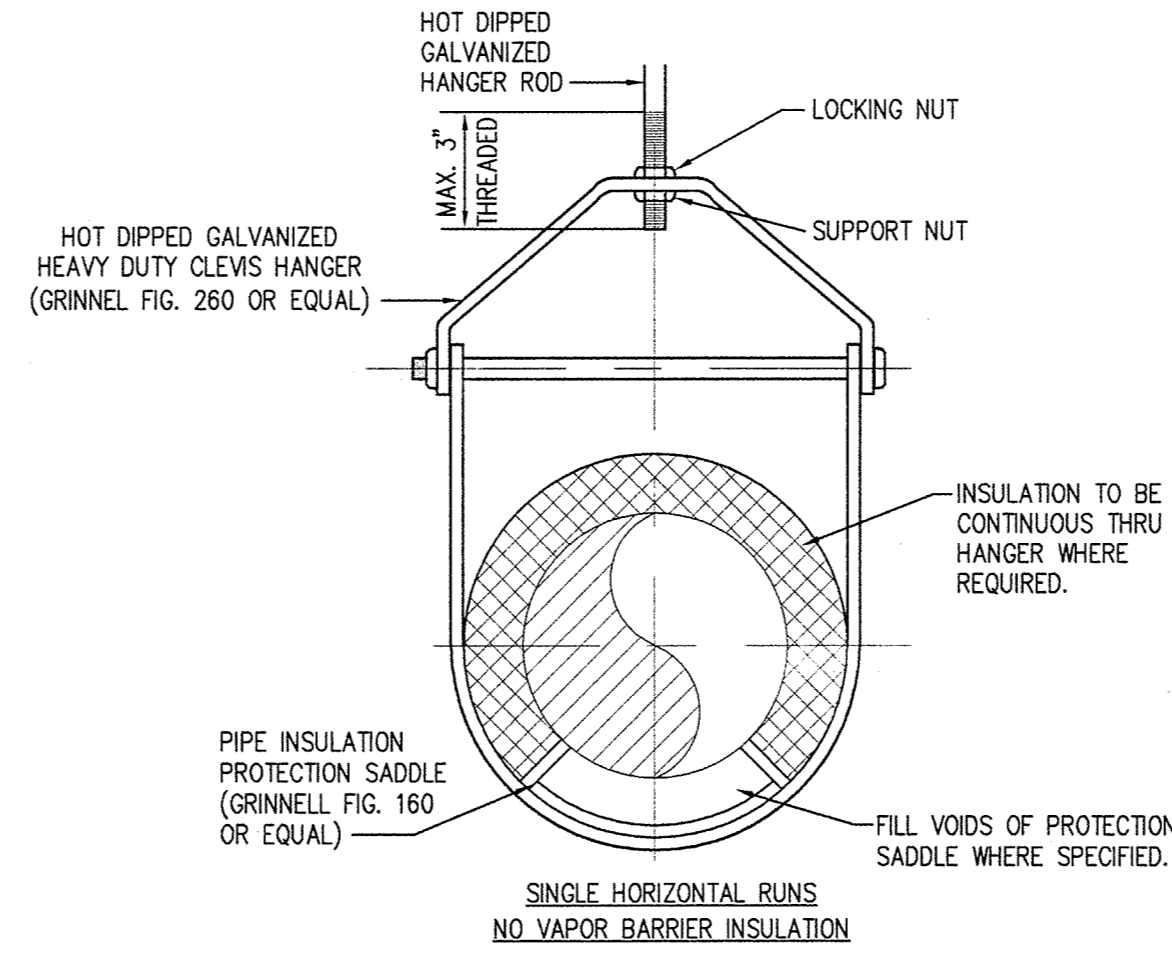
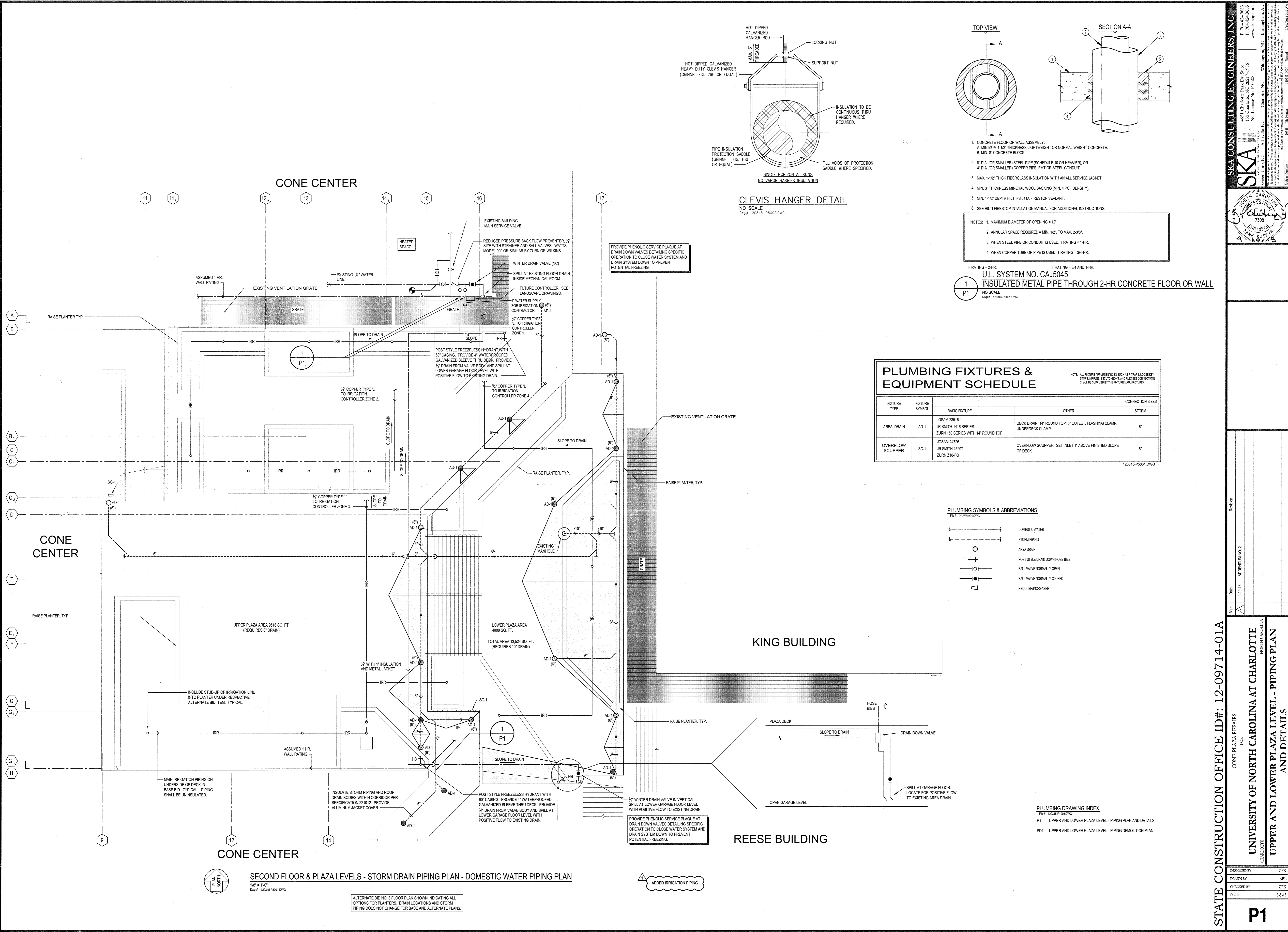
An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

*** OR ***

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. If there is no MB participation, then enter none or zero on the form. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.





1. CONCRETE FLOOR OR WALL ASSEMBLY:
 A. MINIMUM 4-1/2" THICKNESS LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE.
 B. MIN. 8" CONCRETE BLOCK.
2. 6" DIA. (OR SMALLER) STEEL PIPE (SCHEDULE 10 OR HEAVIER), OR 4" DIA. (OR SMALLER) COPPER PIPE, EMT OR STEEL CONDUIT.
3. MAX. 1-1/2" THICK FIBERGLASS INSULATION WITH AN ALL SERVICE JACKET.
4. MIN. 3" THICKNESS MINERAL WOOL BACKING (MIN. 4 PCF DENSITY).
5. MIN. 1-1/2" DEPTH HLT FS 61A FIRESTOP SEALANT.
6. SEE HLT FIRESTOP INSTALLATION MANUAL FOR ADDITIONAL INSTRUCTIONS.

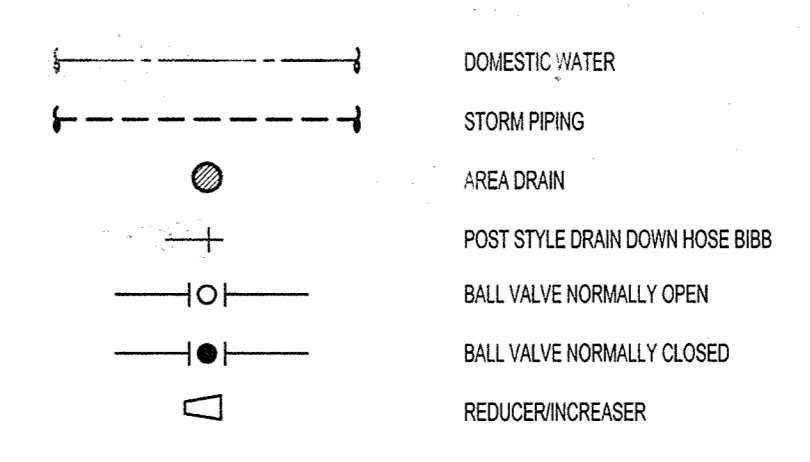
NOTES: 1. MAXIMUM DIAMETER OF OPENING = 12"
 2. ANNUAL SPACE REQUIRED = MIN. 1/2", TO MAX. 2-3/8".
 3. WHEN STEEL PIPE OR CONDUIT IS USED, T RATING = 1-HR.
 4. WHEN COPPER TUBE OR PIPE IS USED, T RATING = 3/4-HR.

F RATING = 2-HR. T RATING = 3/4 AND 1-HR.
U.L. SYSTEM NO. CAJ5045
INSULATED METAL PIPE THROUGH 2-HR CONCRETE FLOOR OR WALL
 NO SCALE
 Dwg # 120345-P8001.DWG

PLUMBING FIXTURES & EQUIPMENT SCHEDULE

FIXTURE TYPE	FIXTURE SYMBOL	BASIC FIXTURE		OTHER	CONNECTION SIZES
		AREA DRAIN	OVERFLOW SCUPPER	DECK DRAIN, 1/4" ROUND TOP, 6" OUTLET, FLASHING CLAMP, UNDERDECK CLAMP.	STORM
AREA DRAIN	AD-1	JOSAM 23516-1 JR SMITH 1416 SERIES ZURN 150 SERIES WITH 1/4" ROUND TOP			6"
OVERFLOW SCUPPER	SC-1	JOSAM 24726 JR SMITH 1620T ZURN 218-FG		OVERFLOW SCUPPER. SET INLET 1" ABOVE FINISHED SLOPE OF DECK.	6"

PLUMBING SYMBOLS & ABBREVIATIONS



PLUMBING DRAWING INDEX

File # 120345-P1001.DWG

P1 UPPER AND LOWER PLAZA LEVEL - PIPING PLAN AND DETAILS

P01 UPPER AND LOWER PLAZA LEVEL - PIPING DEMOLITION PLAN

SECOND FLOOR & PLAZA LEVELS - STORM DRAIN PIPING PLAN - DOMESTIC WATER PIPING PLAN

1/8" = 1'-0"
 Dwg # 120345-P2001.DWG

ALTERNATE BID NO. 3 FLOOR PLAN SHOWN INDICATING ALL OPTIONS FOR PLANTERS, DRAIN LOCATIONS AND STORM PIPING DOES NOT CHANGE FOR BASE AND ALTERNATE PLANS.

STATE CONSTRUCTION OFFICE ID#: 12-09714-01A

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
 NORTH CAROLINA
 UPPER AND LOWER PLAZA LEVEL - PIPING PLAN AND DETAILS

DESIGNED BY: ZFK
 DRAWN BY: BBL
 CHECKED BY: ZFK
 DATE: 8-8-13

P1