

Addendum One

December 18, 2017

NOTE: The following amendments, additions, and deletions shall be made to the Construction Documents and Contract Documents. Insofar as those documents are at variance with this Addendum, this Addendum shall govern.

Clarifications

- | <u>Item No.</u> | <u>Description</u>  |
|-----------------|---|
| 1.              | <u>Clarification:</u> Asbestos abatement will be provided by USC. Contractor to mark insulation to removed.   |
| 2.              | <u>Clarification:</u> Contractor to coordinate any lane closures with the City of Columbia as required, if the Contractor chooses to access the vaults in Main Street or Sumter Street.                             |
| 3.              | <u>Clarification:</u> Drawings will be updated to show anchor detail without specific dimensions. All pipe conditions will be different and Contractor shall field verify anchor types required before fabrication. |
| 4.              | <u>Question:</u> Can you clarify whether the steam expansion joints need to be flanged or weld?<br><u>Answer:</u> Expansion joints shall be buttweld type.  |

Drawings

- | <u>Item No.</u> | <u>Description</u>   |
|-----------------|--|
| 5.              | <u>Revision:</u> Reference drawing M-1 Site Plan. Section of pipe between C3-18D and C3-19D shall be part of the Base Bid. Section of pipe between C3-1D and C3-2D will be in Alternate 1. Some pipe guides and anchors will remain in place. This has been clarified in the drawings. |
| 6.              | <u>Revision:</u> Reference drawing M-3 Site Plan. Some pipe guides and anchors will remain in place. Some existing pipe where guides are to remain will be insulated only. This has been clarified in the drawings.  |
| 7.              | <u>Revision:</u> Reference drawing M-4 Notes and Details. Anchor and guide attachment details will need to be field coordinated. Details have been clarified.  |

Drawings

Item No.      Description

8.                Revision: Reference Specification 230010 General Provisions HVAC. The following manufacturers shall be listed as prior approved:

Expansion Joints: Flex-Weld

END OF ADDENDUM

Attachments:

M-1

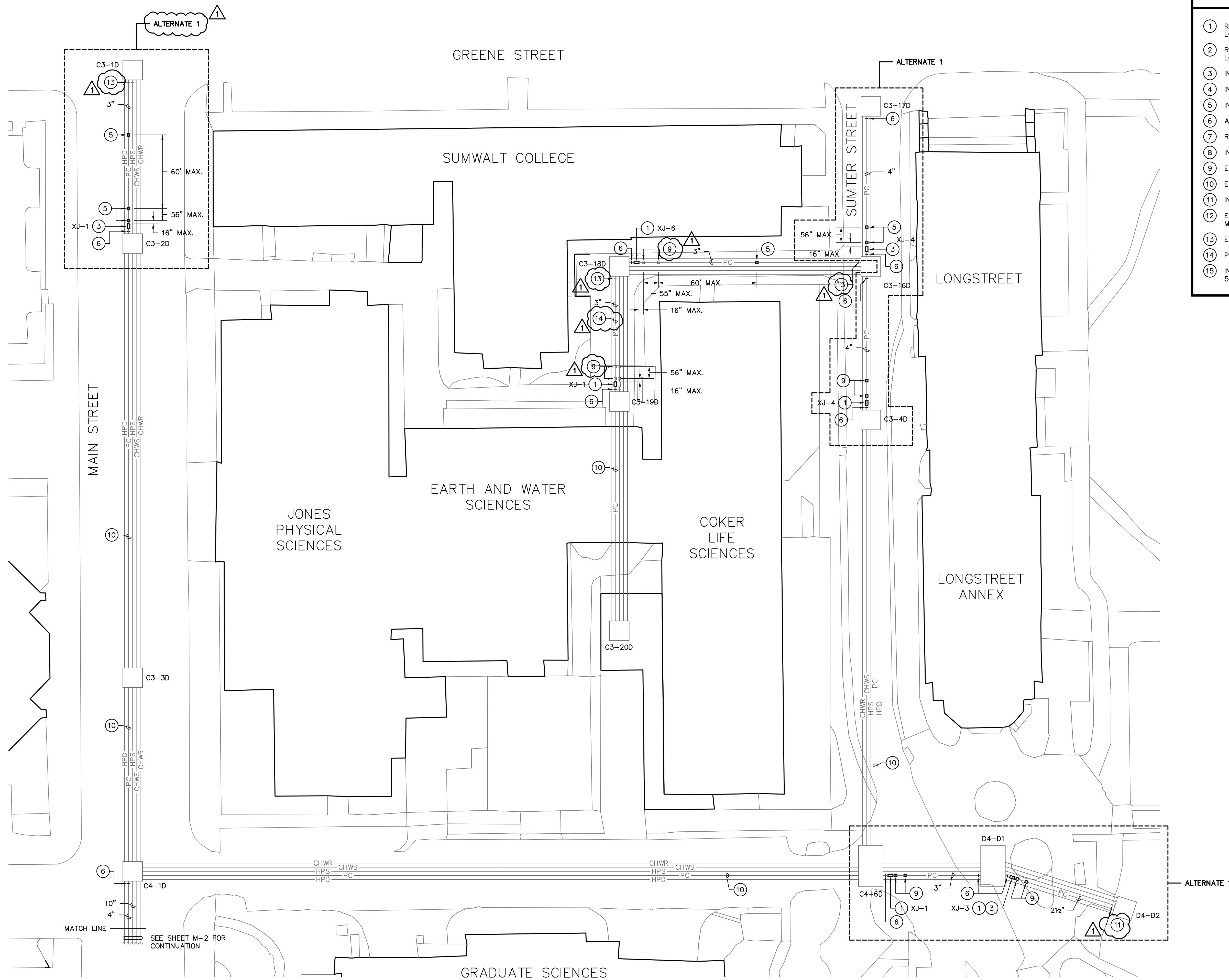
M-2

M-3

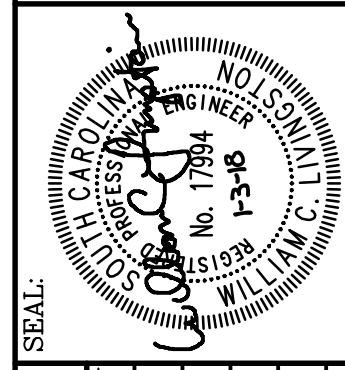
M-4

Pre-Bid Sign In Sheet

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- ### NOTES TO SHEET
- 1 REMOVE EXISTING EXPANSION JOINT AND INSTALL NEW JOINT IN EXISTING LOCATION.
  - 2 REMOVE EXISTING EXPANSION JOINT AND INSTALL SPOOL PIPE IN EXISTING LOCATION.
  - 3 INSTALL EXPANSION JOINT.
  - 4 INSTALL EXPANSION JOINT AND ANCHOR TO STRUCTURAL STEEL.
  - 5 INSTALL PIPE GUIDE.
  - 6 ANCHOR PIPE TO EXISTING TUNNEL STRUCTURAL STEEL.
  - 7 REMOVE EXISTING ANCHOR.
  - 8 INSTALL EXPANSION JOINT IN HIGH PRESSURE DRIP PIPE.
  - 9 EXISTING GUIDES TO REMAIN IN SERVICE.
  - 10 EXISTING PIPE EXPANSION SYSTEM TO REMAIN.
  - 11 INSTALL NEW EXPANSION JOINT FURNISHED BY USC.
  - 12 EXISTING PIPE GUIDES NEED TO BE REPAIRED AND ALIGNED. IF EXISTING GUIDES MEET SPACING REQUIREMENTS THEY MAY BE USED IN LIEU OF NEW GUIDES.
  - 13 EXISTING ANCHOR TO REMAIN IN PLACE.
  - 14 PLACE PIPE BACK IN LINE ON ROLLERS.
  - 15 INSULATE STEAM PIPE AND PROVIDE JACKET PER SPECIFICATIONS (APPROXIMATELY 5' LENGTH).



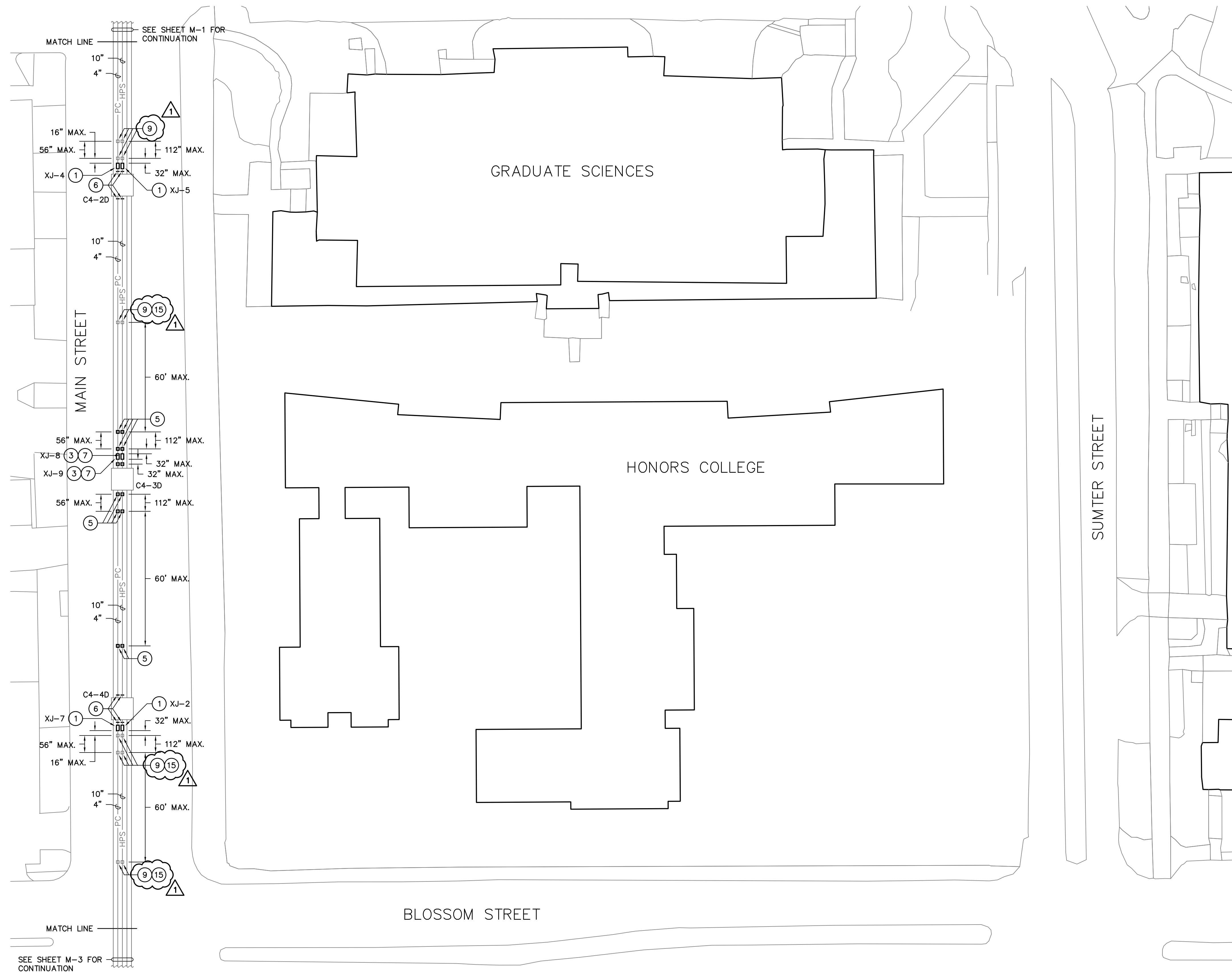
BUILDING:	DRAWING:	DATE:	DRAWN BY:	CHECKED BY:
	REV. 1	06NOV17	DEM	WCL
DESCRIPTION:		DATE:	ORIG. BY:	DRAWN BY:
WEST ENERGY STEAM EXPANSION JOINTS		01.03.18	WCL	DEM
ADDENDUM NO. 1				

PROJECT TITLE: WEST ENERGY STEAM EXPANSION JOINTS  
 STATE PROJECT NUMBER: H27-Z339  
 University of South Carolina

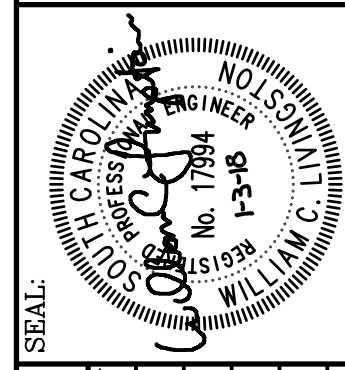
**SITE PLAN – RENOVATION**  
 SCALE: 1" = 30'

	<b>Swygart &amp; Associates</b> CONSULTING ENGINEERS	<b>M-1</b> OF
	DBA Swygart & Assoc., Ltd. Telephone: (803) 791-9300 Post Office Box 11686 Fax: (803) 791-9830 Columbia, S.C. 29211 mail@swygart-associates.com	SHEET IN SET: OF

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- NOTES TO SHEET**
- 1 REMOVE EXISTING EXPANSION JOINT AND INSTALL NEW JOINT IN EXISTING LOCATION.
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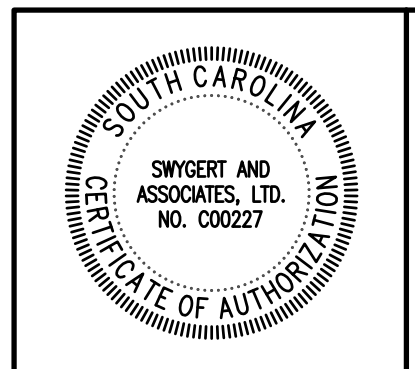
**CAMPUS PLANNING  
AND CONSTRUCTION**  
COLUMBIA, SC 29208

BUILDING	REV	DRAWING	DATE	DESCRIPTION	CHECKED BY:	
					WCL	DEM
1			01.03.18		WCL	DEM

PROJECT TITLE: **WEST ENERGY  
STEAM EXPANSION JOINTS**  
STATE PROJECT NUMBER: **H27-Z339**  
University of South Carolina

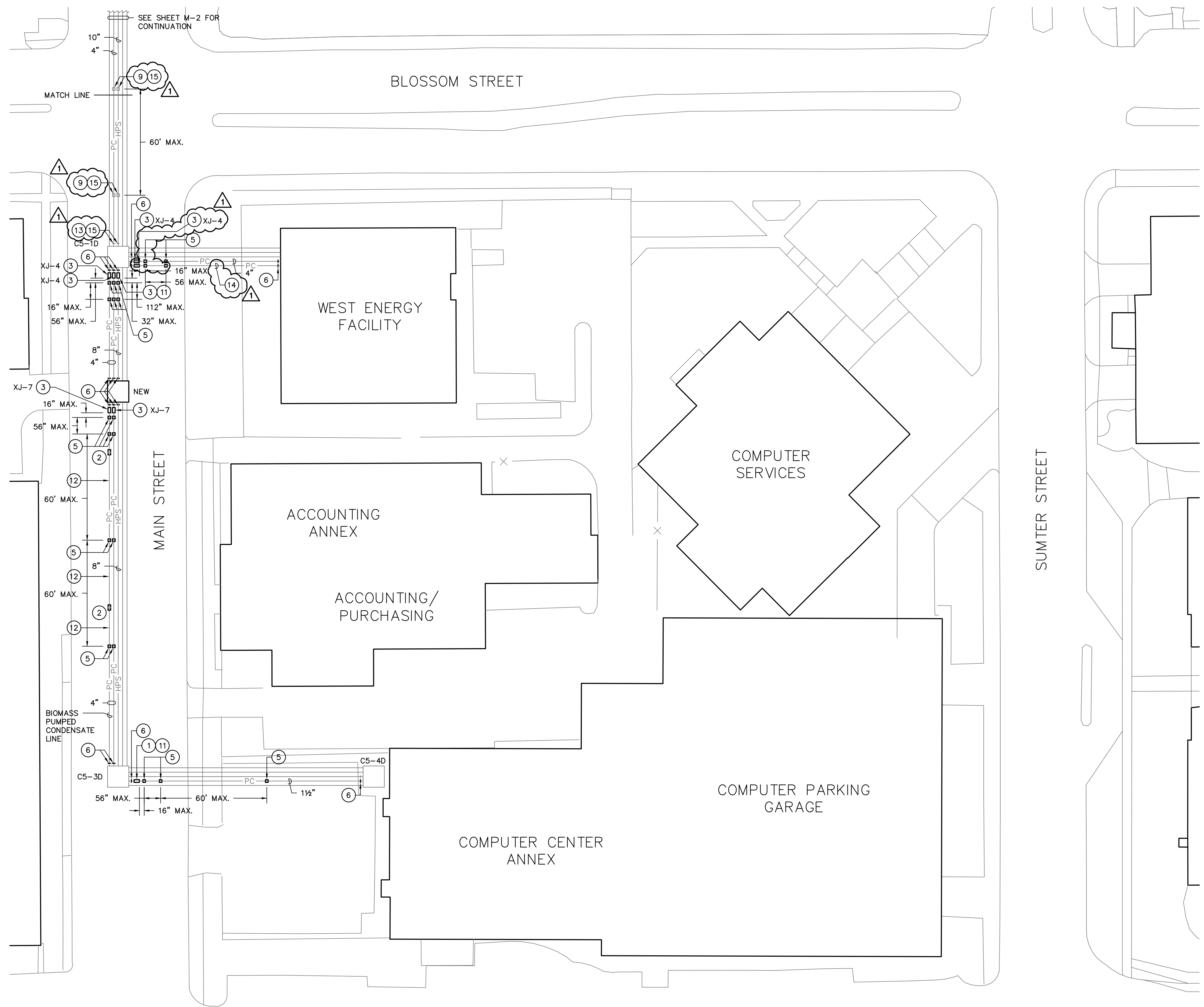
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OF  
SHEET IN SET:

1  
W-2  
**SITE PLAN - RENOVATION**  
SCALE: 1" = 30'

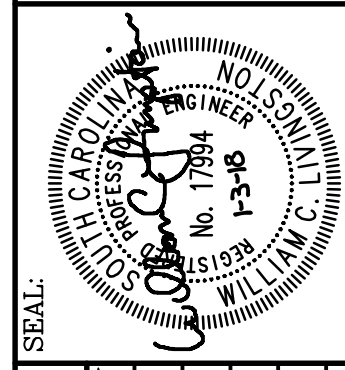


**Swygert & Associates**  
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- ### NOTES TO SHEET
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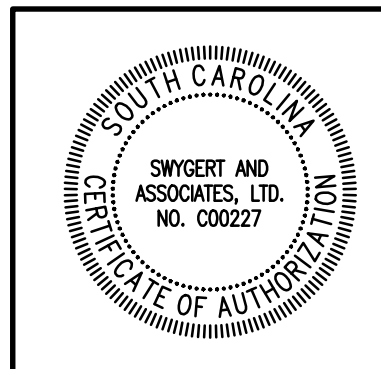


**CAMPUS PLANNING  
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COLUMBIA, SC 29208

BUILDING	REV.	DRAWING	DATE	DRAWN BY	DEM DATE	CHECKED BY:	
						WCL	DEM
	1		01.03.18			WCL	DEM

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1 SITE PLAN - RENOVATION  
 W-3 SCALE: 1" = 30'



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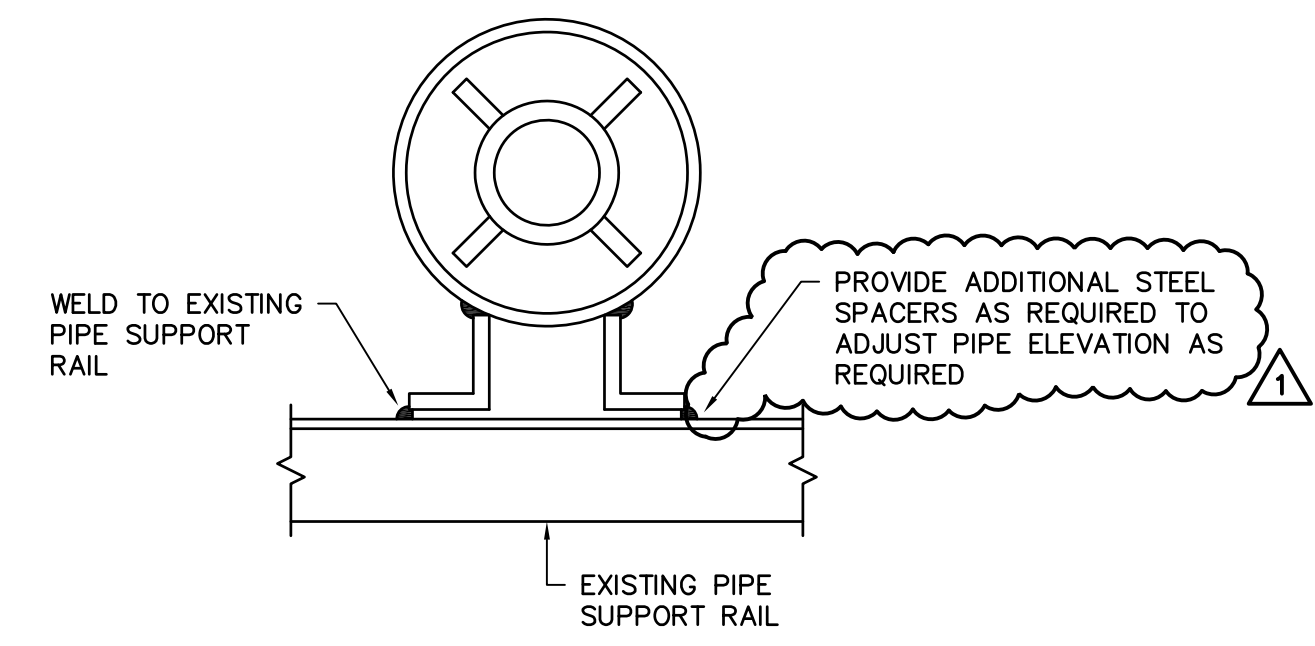
SHEET: **M-3**  
 OF  
 SHEET IN SET:

EXPANSION JOINT SCHEDULE				
TAG	MODEL	TYPE	SIZE	EXPANSION
XJ-1	FPS/300	SINGLE	3"	4"
XJ-2	FPS/300	SINGLE	10"	8"
XJ-3	FPS/300	SINGLE	2-1/2"	4"
XJ-4	FPS/300	SINGLE	4"	4"
XJ-5	FPS/300	SINGLE	10"	4"
XJ-6	FPS/300	SINGLE	3"	6"
XJ-7	FPS/300	SINGLE	4"	8"
XJ-8	FPS/300	DUAL	10"	12"
XJ-9	FPS/300	DUAL	4"	12"

- ### GENERAL NOTES
- DO NOT SCALE DRAWINGS. VERIFY ALL REQUIRED INFORMATION IN THE FIELD BY VISITING SITE PRIOR TO SUBMITTING BID.
  - EXACT ROUTING OF PIPING SHALL BE SET IN FIELD TO MINIMIZE CONFLICTS WITH ALL ABOVE AND UNDERGROUND STRUCTURES, TREES, FENCES, WALKS, WALLS, AND UTILITIES.
  - ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING, AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATIONS. WHERE NECESSARY DUE TO INTERFERENCE, CONTRACTOR SHALL MODIFY EXISTING PIPING, EQUIPMENT, ETC.
  - ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS INDICATED OTHERWISE ON DRAWINGS.
  - ALL STEAM AND PUMPED CONDENSATE SHALL PITCH DOWN A MINIMUM OF ONE INCH PER FIFTY FEET.
  - ALL OPENINGS THROUGH EXISTING STRUCTURES SHALL BE CORE DRILLED.
  - COLD SPRING ALL STEAM LINES FIFTY (50) PERCENT.
  - ALL PIPING AND FITTINGS IN MANHOLES TO BE INSULATED, SEE SPECIFICATIONS.
  - CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FROM OWNER FOR INTERRUPTIONS AND CONNECTIONS TO EXISTING UTILITY SYSTEMS.
  - ALL PIPING SHALL BE VENTED OF AIR AND FILLED WITH THEIR NORMAL FLUIDS OR GAS.
  - CONSTRUCT TEMPORARY FENCING AROUND PROJECT AREA TO PROTECT THE SITE AND PEDESTRIANS.
  - COORDINATE WITH DOT AS REQUIRED IF CONTRACTOR ELECTS TO CLOSE LANES IN MAIN STREET TO ACCESS VALVES.

### LEGEND

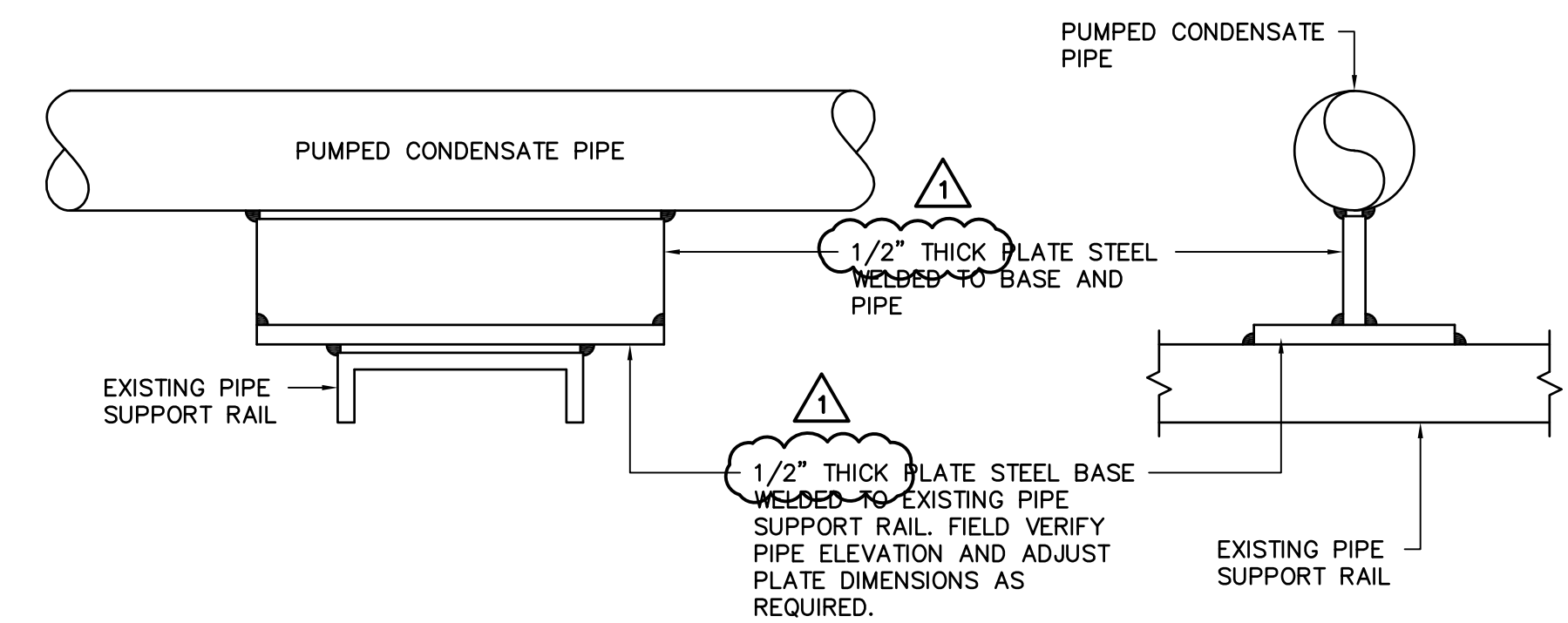
SYMBOL	DESCRIPTION
	NEW HIGH PRESSURE STEAM LINE
	NEW PUMPED CONDENSATE LINE
	EXISTING PIPE TO BE REMOVED OR ABANDONED
	EXISTING PUMPED CONDENSATE LINE
	EXISTING HIGH PRESSURE STEAM LINE
	EXISTING GRAVITY CONDENSATE LINE
	EXISTING CHILLED WATER RETURN LINE
	EXISTING CHILLED WATER SUPPLY LINE
	EXISTING HIGH VOLTAGE ELECTRICAL LINE
	EXISTING COMMUNICATIONS LINE
	EXISTING ELECTRICAL AND COMMUNICATIONS PRIMARY DUCT
	EXISTING SANITARY SEWER LINE
	EXISTING HIGH PRESSURE GAS LINE
	EXISTING LOW PRESSURE GAS LINE
	EXISTING STORM DRAIN LINE
	VELAN GATE VALVE, SEE SPECS
	CONNECTION POINT OF NEW TO EXISTING



**PIPE GUIDE DETAIL**

NO SCALE

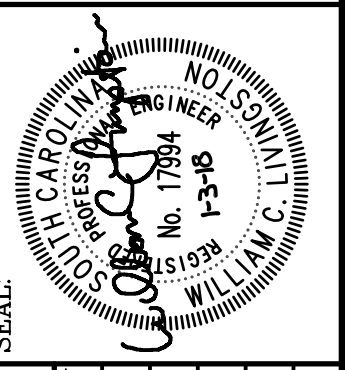
NOTE THAT SOME PIPE IS HUNG AND ANCHOR/GUIDE DETAILS WILL VARY SOME. VERIFY ALTERNATIVE METHODS WITH ENGINEER.



**ANCHOR DETAIL**

NO SCALE

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COLUMBIA, SC 29208



BUILDING:	DRAWING:	DATE:	DESCRIPTION:	CHECKED BY:		REV:
				WCL	DEM	
	06NOV17	01.03.18				

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mail@swygert-associates.com

SHEET: M-4  
OF  
SHEET IN SET: OF

University of South Carolina  
 Pre Bid Sign In Sheet  
 Columbia, South Carolina

Project Name: West Energy Steam Expansion Joints  
 Project Number: H27-Z339  
 Pre Bid Date & Time: December 12, 2017 10:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes NO	Juaquana Brookins	USC	1300 Pickens Street, Columbia SC 29208	803.777.3596	jbrookin@fmc.sc.edu
Yes NO	DANA QUATTLEBAUM	MSI		608-1774	DANA QUATTLEBAUM@MSI.CROSSF.COM
Yes NO	R Boyce	W W		513 7904	R.boyce@walker-white.com
Yes NO	BILL LIVINGSTON	SNYGER : ASSOC		791-9300	BILLE SNYGER ASSOCIATES.COM
Yes NO	B.B. Bell	Gregory Industrial		803-748-1742	bbell@gregoryindustrial.com
Yes NO	M. JANE HOLLAND	STICKLAND W.P.		704-247-1345	MJHOLLAND@STICKLANDMANATEEPROOFING.COM
Yes NO	Troy Weiser	VSC		803-827-7508	trweiser@sc.edu
Yes NO	RADU MOLDOVAN	USC		803-605-9009	moldovan@fmc.sc.edu
Yes NO					

\*\*\*\*By signing this sheet you agree to receive information electronically.