Old Steam Plant Steam and Condensate Pipe Replacement University of South Carolina Project H27-Z338-B

Addendum One

February 15, 2018

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

Item No. Description

- 1. <u>Clarification:</u> Asbestos abatement as required will be performed by USC.
- 2. <u>Clarification:</u> This project will be coordinated with the Woodrow Steam Pipe project. Both projects will be concurrent and some coordination for tie in points will be required for in the vault E2-10S.
- 3. <u>Clarification:</u> Provide new flanges on pipe where new valves are installed to existing pipe in E2-12S.
- 4. <u>Clarification:</u> Paver work is included in the scope and should be included in the contractor's bid.
- 5. <u>Clarification:</u> USC will contact PUPS and mark existing utilities prior to the start of the project.

Drawings

Item No. Description

1. <u>Revision:</u> Reference Drawing M2, Details, Notes, Manhole Diagrams, and Legend. A detail for backfill at pavers has been added.

Specifications

<u>Item No.</u> <u>Description</u>

- 1. <u>Revision:</u> Reference SE-330 LUMP SUM BID FORM. Refer to page BF-3 in the section regarding Contract Time, change the time to 78 days.
- 2. <u>Revision:</u> Reference SECTION 230010 GENERAL PROVISIONS HVAC. Refer to section 1.2 Schedule. The project start date is no earlier than May 14.

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- 3. <u>Revision:</u> Reference SECTION 230010 GENERAL PROVISIONS HVAC. Refer to section 1.5 ASBESTOS. Delete this section of the specification. Contractor shall be responsible to abatement as required when removing pipe and insulation, and the cost of such shall be included in the contractor's bid.
- 4. <u>Revision:</u> Reference SECTION 230500 HVAC. Refer to 2.3 Schedule of Piping. Please note that flanges will need to be class 300 to match the class 300 valves specified.
- 5. <u>Revision:</u> Reference SECTION 230500 HVAC. Refer to 2.3 Schedule of Piping. Condense piping shall be Schedule 80 steel.

END OF ADDENDUM

Attachments: Pre-Bid Sign in Sheet M2-Rev1

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

no.

Old Steam Plant Steam & Condensate Pipe Replacement

Project Name: Project Number:

H27-Z338-B

Pre Bid Date & Time:

February 14, 2018 @10:00am

SWMBE	Name	Company Name	Address		
Contractor?	1	Company Name	Address	Phone #	Email
SWMBE	Carlos Sandoral	Cayee Company	307 Dooley PD		1 - 0 1
	CENTOS SANGOVAI			(803) 88-3724	Corloso Cayce Confay Com
SWMBE	JASON PROUSE	HAMMERHEAD!	785 Hampion		
	UASON TICOUSE	UTILINES	CREEK WAY COLA	807.787-7.73	JASINO HHULLC.COM
SWMBE	John Hollowell	welker white	7402 Fairfield Rd Columbia	8B3 691-0919	Sho llowell a walker-white, can
S W M B E		WALKER WHITE	le 11		JIMMY PARDIZES & COMAL
S W M B E	B.B.Bell	Gregory Industrial	2124 College St Columbia, S.C.	748-1742	bbbell@gregoEsindustrial.com
S W M B E	Terry Schmidt	MSI	745 Givenuma) Pd West Cola 50	803666 1429	terryschmidte msiconst.com
S W M B E	Troy Nekon	USC	743 Greene St Colo, Sc		the sonesce edu
SWMBE	BULLIVINGSTON	Swygert	1315 STATE ST	791-9300	BLU CSWYGERLT-ASSOCIATES. COM
SWMBE	JerryLICROY	USC	743 Greenz 5+	260-2361	KnoxJL3 Pma: box. Sc. Flu

^{****}By signing this sheet you agree to receive information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Old Steam Plant Steam &

Project Name: Project Number: Condensate Pipe Replacement

H27-Z338-B

Pre Bid Date & Time:

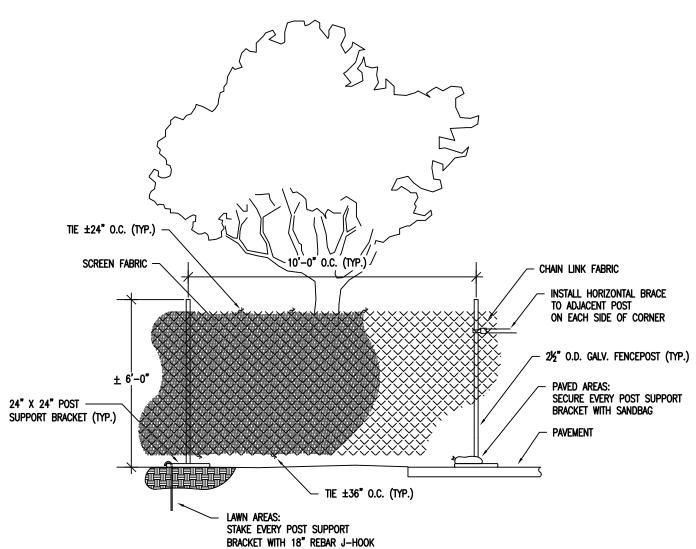
February 14, 2018 @10:00am

SWMBE Contractor?	Name	Company Name	Address	Phone #	Email
SWMBE	1 AMES SHERRY	NSC	1520 DEVINE STREET	777-5719	JSHERRY@MAILBOX, SC, ED Y
SWMBE	Hatice Hilance	usc	1300 Pokens	777-8984	hikmethe monthox sciede
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SWMBE					

^{****}By signing this sheet you agree to receive information electronically.

UTILITY PIPE ENTRY DETAIL

NO SCALE

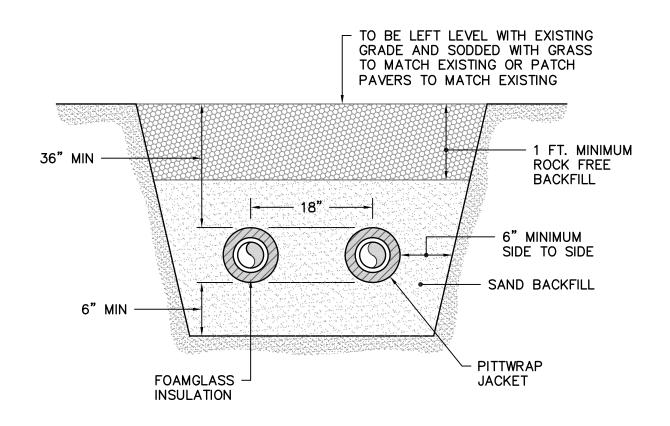


NOTES:
1. TREE PROTECTION FENCING SHALL BE PLACED BETWEEN ALL EXISTING TREES AND AROUND PROJECT WORK AREA AS APPROVED BY USC. 2. SEE "USC SUPPLEMENTAL GENERAL CONDITIONS FOR CONSTRUCTION PROJECTS" FOR ADDITIONAL INFORMATION. 3. PROVIDE PROTECTION FENCE FOR ALL TREES TO REMAIN. 4. PROTECTION FENCING TO BE PLACED OUTSIDE OF DRIPLINE OF TREE CANOPY UNLESS OTHERWISE APPROVED BY USC PROJECT MANAGER. 5. A 4" LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER TREE 6. PROTECTION FENCING SHALL BE IN PLACE AND HARDWOOD MULCH PLACED PRIOR TO BEGINNING CONSTRUCTION. 7. REQUESTS FOR PAYMENT SHALL NOT BE APPROVED UNTIL PROTECTION FENCING AND MULCH IS IN PLACE. 8. LOCATION OF THE PROTECTION FENCING SHALL BE MARKED BY USC ARBORIST AND APPROVED BY USC PROJECT MANAGER BEFORE INSTALLATION. WHERE CONSTRUCTION IS LIKELY TO OCCUR WITHIN 5' OF PROPOSED LOCATION OF PROTECTION FENCING, CONTRACTOR SHALL HAVE LIMITS OF CONSTRUCTION MARKED BY SURVEY BEFORE PROTECTION FENCING IS INSTALLED.

9. SCREEN FABRIC SHALL BE DARK GREEN 85% OPAQUE, POLYETHEYLENE KNIT MESH, UV STABILIZED WITH BURST STRENGTH OF AT LEAST 210 P.S.I.

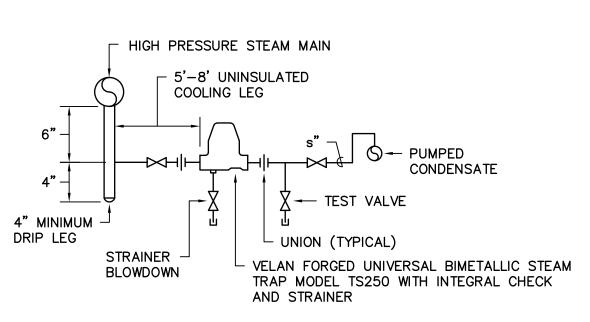
WORK AREA SCREENING AND TREE PROTECTION FENCE PANEL DETAIL

NO SCALE



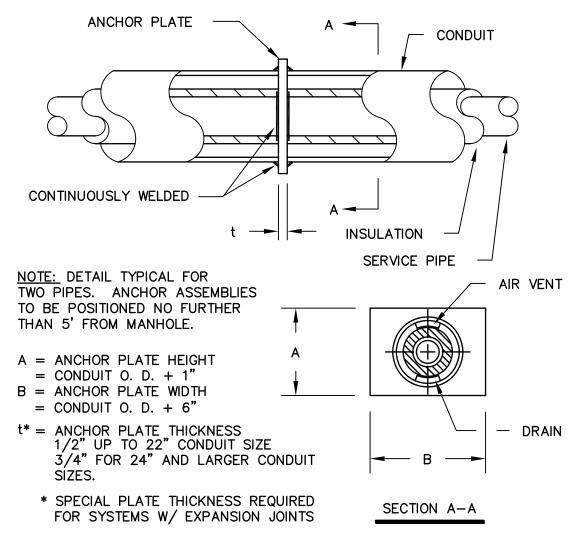
BACKFILL DETAIL

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HIGH PRESSURE DRIP POINT

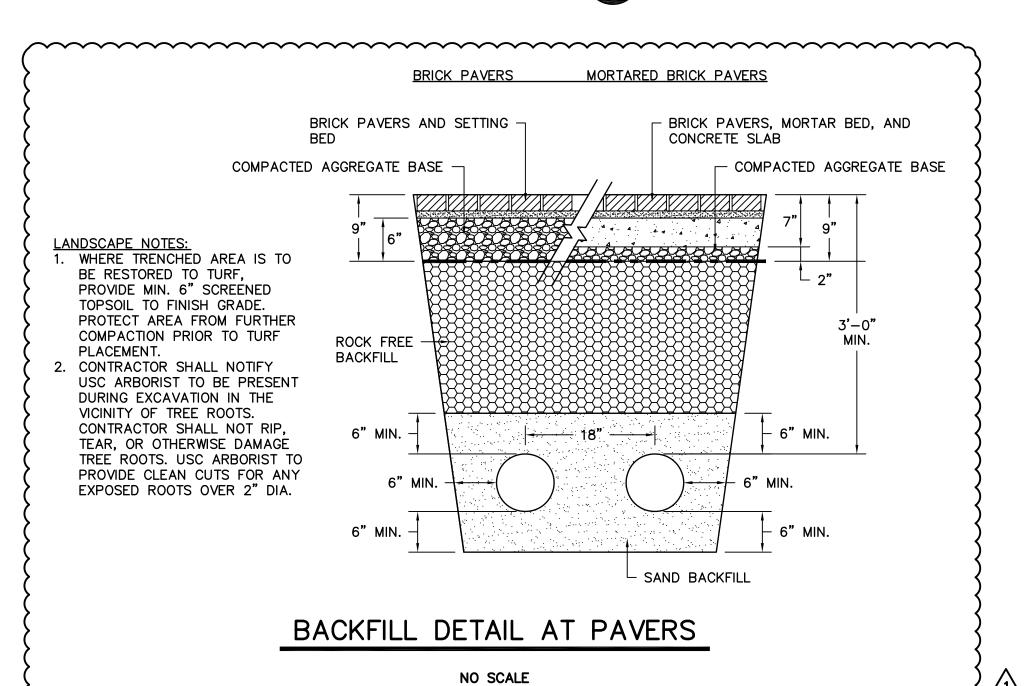
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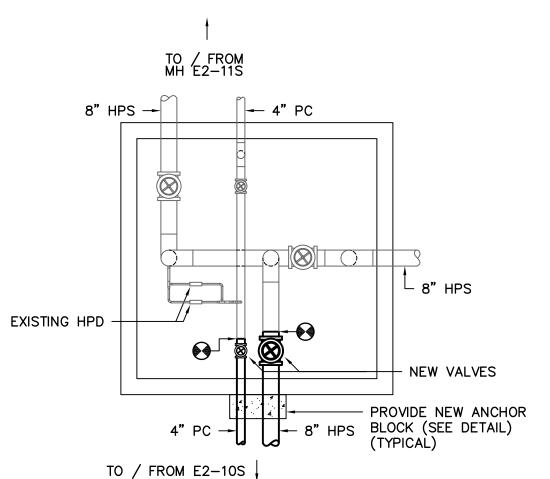
	LEGEND						
SYMBOL	DESCRIPTION						
⊱—s—	NEW HIGH PRESSURE STEAM LINE						
⊱ —PC—→	NEW PUMPED CONDENSATE LINE						
۶	EXISTING PIPE TO BE REMOVED OR ABANDONED						
<pc< th=""><th>EXISTING PUMPED CONDENSATE LINE</th></pc<>	EXISTING PUMPED CONDENSATE LINE						
⊱—-S——-	EXISTING HIGH PRESSURE STEAM LINE						
← GC ← →	EXISTING GRAVITY CONDENSATE LINE						
<	EXISTING CHILLED WATER RETURN LINE						
<	EXISTING CHILLED WATER SUPPLY LINE						
⊱——E———	EXISTING HIGH VOLTAGE ELECTRICAL LINE						
C — C → C	EXISTING COMMUNICATIONS LINE						
<	EXISTING ELECTRICAL AND COMMUNICATIONS PRIMARY DUCT						
<>SS>	EXISTING SANITARY SEWER LINE						
<hg></hg>	EXISTING HIGH PRESSURE GAS LINE						
≥	EXISTING LOW PRESSURE GAS LINE						
<> SD>	EXISTING STORM DRAIN LINE						
⊱	VELAN GATE VALVE, SEE SPECS						
•	CONNECTION POINT OF NEW TO EXISTING						



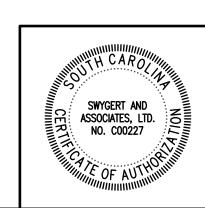


GENERAL NOTES

- 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.
- 4. ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS INDICATED OTHERWISE ON DRAWINGS.
- 5. ALL STEAM AND PUMPED CONDENSATE SHALL PITCH DOWN A MINIMUM OF ONE INCH PER FIFTY FEET.
- 6. ALL OPENINGS THROUGH EXISTING STRUCTURES SHALL BE CORE DRILLED.
- 7. COLD SPRING ALL STEAM LINES FIFTY (50) PERCENT.
- 8. WHERE PIPING ENTERS MANHOLE CONSTRUCT ENTRY AS REQUIRED. ALL PIPES TO BE SLEEVED AND LINK SEALED TO MAKE
- 9. ALL PIPING AND FITTINGS IN MANHOLES TO BE INSULATED, SEE SPECIFICATIONS.
- 10. CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FROM OWNER FOR INTERRUPTIONS AND CONNECTIONS TO EXISTING UTILITY SYSTEMS.
- 11. CONTRACTOR SHALL COORDINATE TREE AND LANDSCAPING REPLACEMENT WITH USC. IN GENERAL USC WILL REPLACE SMALL TREES THAT ARE NOTED TO BE REPLACED. CONTRACTOR IS RESPONSIBLE FOR SOD REPLACEMENT.
- 12. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ALL BRICK PAVERS TO MATCH THE EXISTING CONDITION.
- 13. CONTRACTOR SHALL CONTACT PALMETTO UTILITY PROTECTION SERVICES TO LOCATE UTILITIES PRIOR TO DIGGING. INFORMATION OBTAINED FROM PALMETTO UTILITY PROTECTION SERVICES AND DURING DIGGING SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
- 14. CONSTRUCT TEMPORARY FENCING AROUND PROJECT AREA TO PROTECT THE SITE AND PEDESTRIANS.







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PLANNING ISTRUCTION A, SC 29208

CAMPUS AND CON!

TO / FROM D2-14S PROVIDE ALL NEW PIPE IN VAULT FOR STEAM AND CONDENSATE PROVIDE NEW ANCHOR BLOCK (SEE DETAIL) (TYPICAL) **₩** 2" HPS ¬ TO / FROM PRESTON 11/2" PC -HIGH PRESSURE DRIP ── FROM WOODROW TRAP VELAN MODEL NEW VALVES (TYPICAL TS250 PER DETAIL NOTE: A CONCRETE BLOCK SHALL BE CAST OVER THE FOR 9) PLATE AND CONDUIT AND SHALL BE AT LEAST 30" IN LENGTH AND SHALL EXTEND A MINIMUM OF 9" BEYOND 34" UNINSULATED THE TOP AND BOTTOM OF ANCHOR PLATE. COOLING LEG STANDARD ANCHOR ASSEMBLY 4" PC -TO WOODROW TO / FROM E3-11S