

## ADDENDUM ONE

University of South Carolina

### CRF DM STEAM AND CONDENSATE LINE REPLACEMENT

Project Number: CP00336833 / H27-6094 - M

#### General:

1. A non-mandatory Pre-Bid Conference was held at the USC Facilities Center located at 743 Greene Street Columbia, SC 29208 on April 24, 2014 at 10:00 am. A site visit was conducted following meeting. The sign-in sheet is attached with this addendum.
2. **There is NO change to Bid closing date and time. Bids are still due Thursday, May 1, 2014 at 1:00 pm at 743 Greene St, Columbia, SC. Bids received after that time will not be accepted. Contact Juaquana Brookins at USC (803)777-3596 for any questions pertaining to method of delivery.**
3. At the Pre-Bid Conference it was identified that access to and from the site for material deliveries, material removal, and for general entry and existing purposes will be from Pickens Street between Hamilton College and the Sloan Building. This access will remain clear throughout the project.
4. At the Pre-Bid Conference laydown and staging area was identified at the existing Pickens Street Pedestrian Bridge. The contractor will be allowed to fence off one half of the first section of the bridge for material storage, vehicle staging, equipment storage, and latrine location. Occupied area must be enclosed all sides by hard chain link fencing to include necessary signage. Staging area cannot obstruct the two stairways directly accessing the bridge and must only take up one side, or 1 half of the bridge. A dumpster is not allowed to be stored in this area unless size is acceptable by USC. Pedestrian traffic must still be allowed to pass freely through the area with no conflict or obstructions.
5. It is the contractor's responsibility to install any and all required tree protection both within the construction limits as well as on trees adjacent to the accessing route to and from Pickens Street. See tree protection detail attached.
6. As stated in the construction drawings and project manual, the contractor will be required to install all fencing to include signage necessary to protect pedestrians in the area during construction. Fencing must also close off the construction area from unauthorized access. Fencing is required to be hard chain link fencing with necessary supports for temporary positioning. Summer classes are scheduled in the area so the contractor will be required to adjust fencing as necessary to maintain requirements listed above.
7. All brick pavers removed from the pathways located within the construction limits can be reused if kept intact and undamaged. A staging area directly adjacent to the project site has been identified for temporary storage of all brick pavers. This area if used must also be protected by hard chain link fencing under the same requirements set in general note #6 above. Plywood

sheathing must be laid on the ground under all stored brick pavers to allow for proper stacking. Stacks cannot exceed 4' in height and must be located away from existing landscaping, and any tree root systems.

8. All piping insulation to include metal jackets, joints, and adhesives have not been tested for Asbestos. These materials have tested positive for asbestos in other areas on campus. Contractor we need to expose piping and insulation in three areas equal distant to the existing manholes suitable in depth and size to allow for asbestos testing. This must be done before initial construction can begin and results must be received and reviewed by all parties involved. As stated in the project manual, USC will be responsible for all HAZMAT testing and asbestos removal as needed.
9. There are currently six trees located within the construction limits. They have been identified as two (2) Crab Apple trees, one (1) Dogwood, one (1) cypress, and two (2) maples. The Dogwood is the only tree that was identified as a direct impact to construction and impeding work. USC will remove this tree prior to the start of construction. Contractor to consider excavation methods so no nearby tree limbs are affected or damaged. In particular a Crab Apple tree limb near manhole F2-9S must not be damaged or trimmed.
10. All tree root systems encountered during excavation other than those clearly identified as belong to the removed Dogwood must be addressed by USC personnel. This includes all roots 2" in diameter and greater. USC will handle all root cuts necessary for proper excavation and piping.
11. Contractor will be responsible for removing the two light poles with lights from the ground and setting to the side. If possible method of removal must keep lights undamaged and operational for future use. This only pertains to the two light poles identified within the construction limits. No other lights should be affected during construction. USC will pick up the light poles and lights for future reinstallation.
12. Coordinate with USC Project Manager for any electrical disconnects, any required power outages, and relocating nearby utility box in order to remove light poles.
13. Coordinate with USC Project Manager for the removal and pick up of all hardscape items in the area. This includes the memorial bench and concrete pad, as well as all precast concrete benches and tables within the construction limits.
14. Brick pavers for any replacement work shall be Pine Hall 'Pathway Red', 4 x 8 size. Pavers shall be laid per the attached detail, on a setting bed of granite screenings. Brick edging shall be mortared in place to match existing.
15. Excavation at the eastern expansion loop shall be coordinated to avoid impact to low-hanging branches of adjacent trees.
16. All existing expansion loops can be abandoned and left in place. All other existing piping to be replaced must be removed.
17. All spoil piles must be located away from nearby tree root systems.
18. Excavated trench must be sloped according to OSHA requirements; however where tree roots system may be encountered due to sloping, the contractor will be responsible for implementing other methods of protection such as trench boxes or bracing where necessary.

**Specifications:**

Bidders are instructed to incorporate the following additions or clarifications into the bid documents:

1. Alternate 1 listed on the SE-330 Lump Sum Bid Form is only for repairing and replacing all brick pavers in the construction area. Removal of all necessary brick pavers must be included in contractor's base bid. See attached brick paver specification for replacement requirements. Should the contractor choose not to reuse existing brick pavers or too many are damaged for reuse.
2. Contractor to maintain existing depth of piping where necessary.

**Drawings:**

1. Drawing M1 shows two expansion loops both existing and new. Both existing expansion loops can be abandoned and left in place. The expansion loop located on the west side near Davis College needs to be flipped so it is running closer to the building. This is order to maintain distance from a nearby tree root system. The configuration of the loop should remain the same.

**END OF ADDENDUM ONE**

**University of South Carolina**  
Columbia, South Carolina

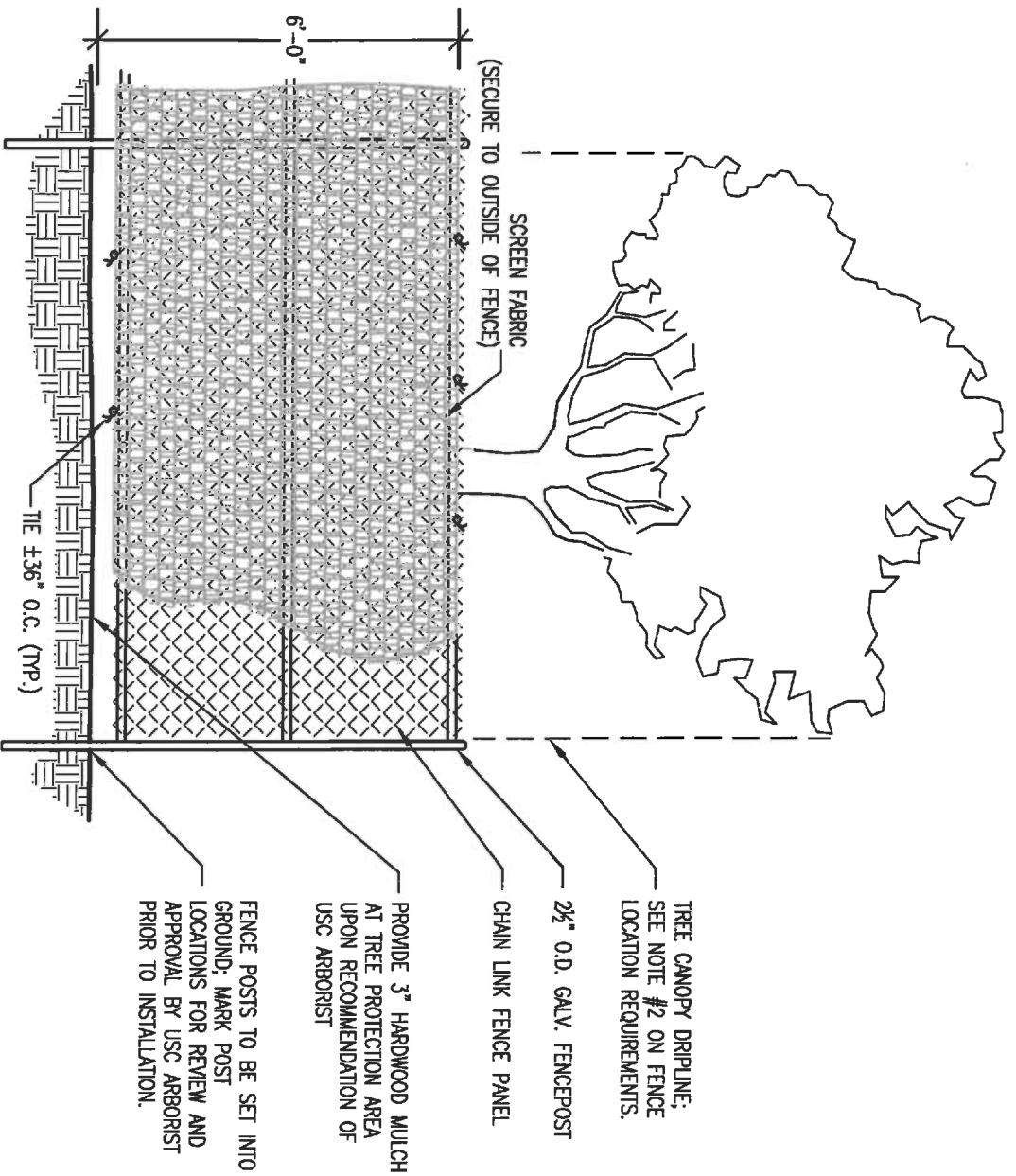
Project Name: CRF DM Steam & Condensate Line Replacement  
 Project Number: H27-6094-M  
 Pre Bid Date & Time: April 24, 2014 @ 10 am

Name	Company Name	Address	Phone #	Email
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Charles Durus	Gregory	2124 College St Columbia 29205	803-309- 5535	cdurus@gregoryindustrial.com
RS. B. Bann	Gregory	785 Hampton Ave Columbia SC 29209	803.748-1792 803.783.7033	bbbell@gregoryindustrial.com
Lisa Hammerska	Hammer	1300 Peter Hamer Rd Columbia SC 29036	803-960- 5046	lisa@hammerllc.com
Bill Head	LMV			headbill@bellsouth.net
Emily Jones	USC			
Danny Willet	MIDI	4403 Broad River Columbia, SC 29216	803.731.9839	danyewd@9874.com
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Name	Company Name	Address	Phone #	Email
Dwight Cathcart	WSC Design + Const	743 Green	772-9874	dcaithcart@finc.sc.edu
Kevin Larkin	WSC	" "	853-5319	Karlarkin@finc.sc.edu



TREE CANOPY DRIPLINE; SEE NOTE #2 ON FENCE LOCATION REQUIREMENTS.

2 1/2" O.D. GALV. FENCEPOST

CHAIN LINK FENCE PANEL

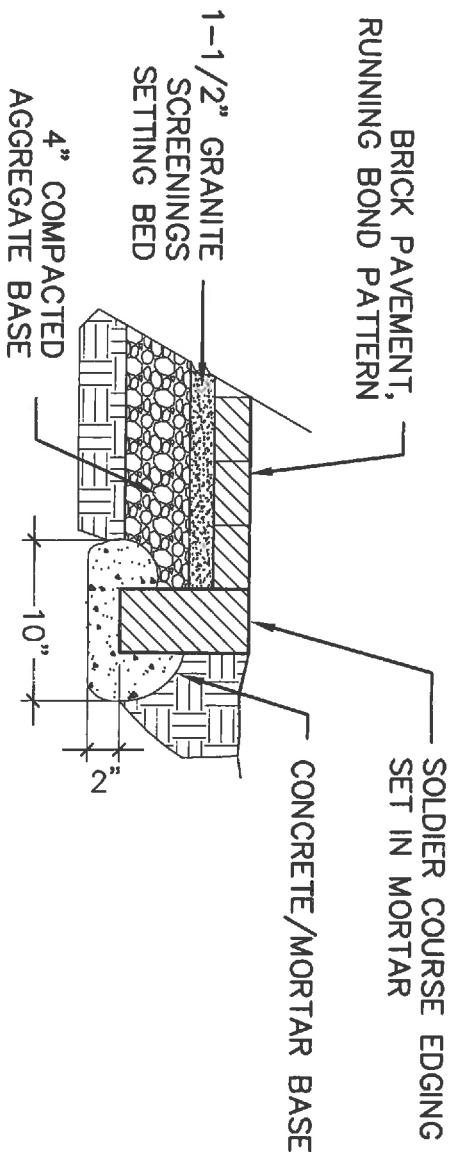
PROVIDE 3" HARDWOOD MULCH AT TREE PROTECTION AREA UPON RECOMMENDATION OF USC ARBORIST

FENCE POSTS TO BE SET INTO GROUND; MARK POST LOCATIONS FOR REVIEW AND APPROVAL BY USC ARBORIST PRIOR TO INSTALLATION.

TREE PROTECTION FENCING (IN-GROUND) WITH SCREENING

NOTES:

1. PROVIDE PROTECTION FENCING FOR ALL TREES WITHIN AREA OF DISTURBANCE AND CONSTRUCTION ACCESS.
2. PROTECTION FENCING TO BE PLACED AT THE OUTSIDE OF THE CANOPY DRIPLINE, OR AT A DISTANCE OF ONE FOOT PER ONE INCH OF TREE DIAMETER, MEASURED AT BREAST HEIGHT, WHICHEVER IS LARGER, UNLESS OTHERWISE INDICATED ON LANDSCAPE PLAN OR APPROVED BY UNIVERSITY ARBORIST.
3. PROTECTION FENCING SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
4. DAMAGE TO ANY TREES DURING CONSTRUCTION SHALL BE ASSESSED BY UNIVERSITY ARBORIST AND THE UNIVERSITY ARBORIST SHALL STIPULATE WHAT ACTION WILL BE TAKEN FOR REMEDIATION OF DAMAGE. THE COST OF ANY AND ALL REMEDIATION WILL BE ASSUMED BY CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
5. DISTURBANCE OF ROOT ZONE UNDER DRIPLINE OF TREE, INCLUDING COMPACTION OF SOIL, CUTTING OR FILLING OR STORAGE OF MATERIALS SHALL QUALIFY AS DAMAGE AND SUBJECT TO REMEDIATION.
6. VEHICLES, ANY PART OF WHICH ARE PARKED WITHIN OR PAST THE BOUNDARY OF THE TREE PROTECTION AREA, ARE SUBJECT TO TICKETING AND/OR TOWING. ("HANG TAGS" DO NOT PERMIT PARKING IN TREE PROTECTION AREAS.)
7. TREE PROTECTION FENCING SHALL BE CHAINLINK FENCING. ORANGE PLASTIC BARRIER FENCING IS NOT ACCEPTABLE AS TREE PROTECTION FENCING.



## BRICK PAVING WITH SOLDIER COURSE EDGING

SCALE: 1" = 1'-0"