

Questions for LETC Firing Range

1. The referenced drawings indicate the removal of the existing steam main and the replacement and rerouting of the new steam main. We have been unable to identify the size of these lines. Please provide the pipe size of the existing steam main and new steam main.

Answer: MS101 clearly states that the Contractor is responsible for providing a qualified entity to provide the services associated with the design and relocation of the direct buried steam piping system in accordance with the VA steam distribution guideline. It is our recommendation that this entity acquire all existing field conditions required to provide a complete and operable system in accordance with this scope. B. Turkall, BESDB

2. MS101 BY SYMBOL INDICATES AN EXISTING STEAM MANHOLE FOR THE NEW STEAM PIPING TIE-IN. THE CIVIL DRAWINGS DO NOT INDICATE A MANHOLE. DOES THIS MANHOLE EXIST? PLEASE ADVISE.

Answer: Mechanical drawings govern steam piping construction. CU101 provided the mechanical designer an approximation of the scope of work. S. Martin, Cromwell A/E.

3. ARE THERE ISOLATION VALVES WHERE THE NEW STEAM MAINS TIE-IN ARE INDICATED? IF NOT, WHAT FACILITIES WILL BE REQUIRED TO BE SHUT DOWN FOR THE ADDITION OF TEES AND ISOLATION VALVES? ARE THERE ANY DURATION REQUIREMENTS OR TIME RESTRICTIONS WHEN THIS WORK MAY BE DONE? PLEASE ADVISE.

4. THE DETAIL FOR THE NEW STEAM MANHOLE INDICATES STEAM CONDENSATE. IS THERE EXISTING OR NEW STEAM CONDENSATE THAT IS REQUIRED TO BE REMOVED AND OR RELOCATED?

Answer: MS101 clearly states that the Contractor is responsible for providing a qualified entity to provide the services associated with the design and relocation of the direct buried steam piping system in accordance with the VA steam distribution guideline. It is our recommendation that this entity acquire all existing field conditions required to provide a complete and operable system in accordance with this scope. B. Turkall, BESDB

5. IN ORDER TO DETERMINE THE DEPTH OF THE STEAM MANHOLE AND RING AND COVER EXTENSION REQUIREMENTS, WHAT IS THE INVERT ELEVATION OF THE EXISTING CONDUIT CASING ON THE EXISTING STEAM CARRIER PIPE?

Answer: MS101 clearly states that the Contractor is responsible for providing a qualified entity to provide the services associated with the design and relocation of the direct buried steam piping system in accordance with the VA steam distribution guideline. It is our recommendation that this entity acquire all existing field conditions required to provide a complete and operable system in accordance with this scope. B. Turkall, BESDB

6. ARE THERE ANY REQUIREMENTS LIKE A GRATE TO COVER THE SUMP IN THE STEAM MANHOLE?

Answer: MS101 clearly states that the Contractor is responsible for providing a qualified entity to provide the services associated with the design and relocation of the direct buried steam piping system in accordance with the VA steam distribution guideline. It is our recommendation that this entity acquire all existing field conditions required to provide a complete and operable system in accordance with this scope. B. Turkall, BESDB

7. WHEN SEARCHING FOR THE ARMY MANUAL WE HAVE ONLY BEEN ABLE TO FIND THE SAME MANHOLE DETAIL SHOWN ON THE CONTRACT DOCUMENTS. SINCE WE HAVE BEEN UNSUCCESSFUL IN OBTAINING A COPY OF THE ARMY TECHNICAL MANUAL. COULD YOU PLEASE MAKE THIS DOCUMENT AVAILABLE.?

Answer: MS101 clearly states that the Contractor is responsible for providing a qualified entity to provide the services associated with the design and relocation of the direct buried steam piping system in accordance with the VA steam distribution guideline. It is our recommendation that this entity

acquire all existing field conditions required to provide a complete and operable system in accordance with this scope. B. Turkall, BESDB

8. THE CONTRACT DOCUMENTS INSTRUCT US TO REMOVE ABANDONED SANITARY SEWER PIPING. AT THE END OF THE SANITARY RUN WE FIND A NOTE THAT STATES "END OF PIPE UNKNOWN". SINCE WE ARE UNABLE TO QUANTIFY THE AMOUNT OF SCOPE IN QUESTION. IS IT ACCEPTABLE TO ONLY REMOVE THE SANITARY PIPING THAT WILL IMPACT THE INSTALLATION OF ANY NEW SANITARY SEWER PIPING AND ABANDON THE REMAINING PIPING IN PLACE?

Answer: The contractor must remove any abandoned sanitary sewer piping that conflicts with new construction and plug the ends of existing pipe where abandonment in place begins.

S. Martin, Cromwell A/E

9. We are a high voltage electrical contractor and was interested to know if the medium voltage contract has already been awarded. Thank you for your time.

10. The fixture schedule notes reference a Watts CA-462 wall mounted concealed arm lavatory carrier. We are unable to identify where this should be installed. Please advise.

The fixture schedule also references a 4" floor drain with a nickel bronze top and proset trap guard T35630. We are unable to identify where this should be installed. Please Advise. RFI - GMC MASTER.xls WALL MOUNTED CONCEALED ARM LAVATORY CARRIER: WATTS CA-462.

FLOOR DRAIN: 4" NICKEL BRONZE TOP W/ PROSET TRAP GUARD T35630.

Answer: The wall-mounted concealed arm lavatory carrier is not needed. This was to be used with a previously referenced wall-mounted sink, which has since been changed. The floor drain should be 3" (not 4") and is located in the mechanical room 120 (dwg. PL101). This is the only FD called out. J. Logan, BESDB

11. The fixture schedule references a utility sink designated as P-504. The plumbing drawings list a P-514 sink and so does the fixture schedule. Is the P-504 sink the same as P-514? Please advise.

Answer: Yes, the utility sink P-504 / P-514 are the same fixture. Since P-514 is shown as a wall-mounted CRS sink in the VA plumbing design manual, the number was changed to P-504. So, technically, the number P-504 is correct, even though the number does not exist in the specifications. It is non-standard. J. Logan, BESDB

12. The drawings indicate a new 3/4" hose bibb. There is no hose bibb referenced on the fixture schedule but there is a reference of P-806 in the specifications. Is the P-806 Lawn Faucet the same as HB-1? Please advise.

Answer: The hose bib (HB-1 on the drawings) should be a P-804, not P-806. There is no P-806 that I am aware of. J. Logan, BESDB

13. I would like to know how to become an approved equal for the Firearm Training Equipment noted in Section 11 01 01, as I certainly have equipment that meets the product specifications.

14. We would like to submit a question re: OSHA compliance with CFR29 re: noise exposure limit. Following is the RFI for your review and consideration:

Drawings currently show the inclusion of Sonex for noise attenuation in this shooting range. Based on our experience and studies performed by the USACE the Sonex system as shown on the drawings in the RFP will not meet OSHA CFR29 Standards for noise exposure limits. A Study was performed by the USACE which shows a comparison. Will the government allow the GC to provide a system which is the only EXCELLENT rated acoustic system by the USACE to meet this minimum standard? Can the performance criteria of 1.3 seconds reverb time (which meets CFR29 noise exposure limits) at any firing point in the range be considered as part of the narrative requirement? As an example, the Sonex

material was installed with much more coverage at a major Secret Service Facility in Maryland. It was non-compliant with OSHA CFR29.

Answer: Baffle System documented is a Basis of Design only. Equal substitutions will be accepted upon approval of the government. R. Chambers, BESDB

15. I was just checking to see if the project had looked at any smoke/fire venting, or blow out panels. Based on the nature of the project, I thought it might be a good fit for some of these systems. I work with similar products, and I'm just looking to get a better understanding of where and how they are used. By the looks of it, the project has been completed, but I was curious to see what had been used.

Answer: Not specified. R. Chambers, BESDB

16. Specs refer to signage on this job, however there is no signage schedule in the plans. If signage is required, please provide a signage schedule.

17. Spec section 26-08-00 in the Electrical portion references Commissioning of Electrical Systems. That section references a Commissioning section of 01-91-00 but that section is not included in the Specs released by the VA. Can we have that section sent out in an Amendment?

Answer:

18. On AE502, Detail 7, Canopy detail is shown. There are no other references to that detail in the plans and there are no other notes for a canopy or awning. Please provide details on where this canopy is to be installed and an elevation drawing with dimensions for the canopy.

Answer: Disregard canopy detail shown on AE502, Detail 7. a. chang, BESDB

19. Will the VA provide testing services or is this to be provided by the Contractor?

Answer: Far too generic, please make request more specific. a. chang, BESDB

20. What LEED Certification is this project seeking?

21. Who are the utility providers for this campus:

22. a. Electric

23. b. Water

24. c. Gas

25. What type of Sod are we to use for Landscaping? Zoysia, Bermuda, St. Augustine?

Answer: Match existing turf grass. a. chang, BESDB

26. Will there be an irrigation system? If so, to what extent?

Answer: The contractor shall be responsible for furnishing and installing sod in areas within project limits. The Contractor shall also be responsible for adequately watering all newly sodded areas with an approved temporary irrigation system for 1 year. The Contractor shall include in his bid all materials, labor, and equipment necessary for the installation and operation of a watering method of the contractor's discretion to include watering truck, in ground or above ground system and approved by the resident engineer. After the 1 year period, the Contractor shall disassemble and remove from the site the temporary watering system and shall repair any disturbed areas. a. chang, BESDB

27. What is the width of Window Type A?

Answer: Approximately 10'-6". Verify in field. a. chang, BESDB

28. Will the glass in Window Type B be Ballistic resistant?

Answer: No. a. chang, BESDB

29. Where is the Metal Canopy located that is indicated on Detail 7 on sheet AE502

Answer: Disregard canopy detail shown on AE502, Detail 7. a. chang, BESDB