



ADDENDUM 1

Middlesex County College – Fire Protection Site Infrastructure – Contractor Bid Walkthrough

**MIDDLESEX COUNTY COLLEGE
Edison, New Jersey 08818-3050**

March 4, 2016

All Bidders

ADDENDUM NUMBER 1

BID # 16-40 Fire Improvement Package

Please see the attached addendum.

Please note the bid opening date has been changed to March 15, 2016 at 2 p.m.

THIS PAGE MUST BE REFERENCED IN YOUR BID RESPONSE.

David Fricke, RPPO, C.P.M.
Director of Purchasing and Inventory

Pre-Bid Date: February 23, 2016

Location: Middlesex County College

Prepared by: DLB Associates

dlb Proj #: 11953

Purpose: This document is intended to clarify questions that were presented during the contractor bid walk through meeting, and submitted RFI's.

RFI's

1. Will the owner be responsible for soil testing? If not what are testing parameters?

MIDDLESEX COUNTY COLLEGE WILL BE RESPONSIBLE FOR TESTING THE SOIL FOR COMPACTION ONLY, THAT IT MEETS THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR TESTING THE SOIL TO BE DISPOSED PROPERLY AT A FACILITY.

2. Concerning the shutdown what time will be allowable for a shutdown of the main?

THE MAIN WILL NOT BE REQUIRED TO BE SHUT DOWN. ALL NEW CONNECTIONS TO THE MAIN LOOP WILL BE A WET TAP, PER THE DOCUMENTS.

3. Concerning the slope area will the owner allow a 1/2" casing sleeve to be installed under walk area at JLC Building?

TRENCHLESS TECHNOLOGY WITH A SLEEVE UNDER THE WALKWAY WILL BE PERMITTED FOR THE INSTALLATION OF PIPING AT JLC.

4. Please confirm if the owner will allow the tree to be removed in limbs and lowered by rope?

NO, PLEASE REFER TO DRAWING C-001 FOR SCOPE.

5. Please confirm if stone pipe bedding is required?

PLEASE REFER TO EARTH MOVING SPEC SECTION 312000 SECTION 14.1 FOR ACCEPTABLE SOIL BEDDING MATERIALS.

7. For clarity purposes kindly confirm each building requirement (ie drip valve, os&y, etc.)

COLLEGE CENTER

- 1. FIRE SERVICE ENTERS THROUGH THE FLOOR AND SHALL TERMINATE WITH AN OS&Y VALVE AND CAP.**
- 2. FIRE DEPARTMENT CONNECTION IS NOT UNDER THE SCOPE OF THIS PROJECT.**

CHAMBERS HALL

- 1. FIRE SERVICE ENTERS THROUGH THE WALL AND SHALL TERMINATE WITH AN OS&Y VALVE AND CAP.**
- 2. FIRE DEPARTMENT CONNECTION SHALL PENETRATE THE WALL AND TERMINATE INSIDE THE BUILDING WALL. THE FDC PIPE RUN AND EQUIPMENT SHALL BE INSTALLED IN ITS ENTIRETY OUTSIDE THE BUILDING UNDER THIS SCOPE.**
- 3. DETAIL 03 AND 04 ON SHEET C-502 IS APPLICABLE.**

JOHNSON LEARNING CENTER

- 1. FIRE SERVICE ENTERS THROUGH THE FLOOR AND SHALL TERMINATE WITH AN OS&Y VALVE AND CAP.**



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2. **FIRE DEPARTMENT CONNECTION SHALL PENETRATE THE FLOOR AND TERMINATE INSIDE THE BUILDING WALL. THE FDC PIPE RUN AND EQUIPMENT SHALL BE INSTALLED IN ITS ENTIRETY OUTSIDE THE BUILDING UNDER THIS SCOPE.**
3. **DETAIL 01 AND 02 ON SHEET C-502 IS APPLICABLE.**

LIBRARY

1. **FIRE SERVICE ENTERS THROUGH THE WALL AND SHALL TERMINATE WITH AN OS&Y VALVE AND CAP.**
2. **FIRE DEPARTMENT CONNECTION SHALL PENETRATE THE WALL AND TERMINATE INSIDE THE BUILDING WALL. THE FDC PIPE RUN AND EQUIPMENT SHALL BE INSTALLED IN ITS ENTIRETY OUTSIDE THE BUILDING UNDER THIS SCOPE.**
3. **DETAIL 03 AND 04 ON SHEET C-502 IS APPLICABLE.**

8. For clarification purposes please confirm wall penetration methods. For masonry penetrations; install a sleeve, install link seal on each side of sleeve. For concrete wall penetrations; core hole, install a link seal penetration on each side of core.

PLEASE REFER TO THE CONTRACT DOCUMENTS FOR PENETRATIONS, ALL THE INFORMATION IS STATED.

9. There was discussion of the water main as defined: is it defined by DCA ..is it "fire main", I'm just trying to confirm pipe " coverage" depth per definition.

PIPE COVERAGE DEPTH SHALL BE A MINIMUM OF 5' BELOW GRADE.

10. Please confirm per discussion the owner will be responsible for all mark outs in the facility excluding the gas main.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING N.J. ONE-CALL. ADDITIONAL UTILITIES ON SITE WILL BE MARKED OUT BY MIDDLESEX COUNTY COLLEGE PRIOR TO EXCAVATION.

11. AT the JLC building slope what is the difference in elevation near the large tree and sidewalk?

THE DIFFERENCE IN ELEVATION FROM THE TOP OF THE SOIL TO THE TOP OF THE CONCRETE SIDEWALK OUTSIDE THE MECHANICAL ROOM AT JLC IS APPROXIMATELY 13'-0".

12. Clarification on page 102 Photo 1 the water lines are to be installed in the area of the shrubs?

IN THE GENERAL VICINITY, REFER TO DETAIL 01 AND 02 ON SHEET C-102 FOR LOCATION.

13. Please verify which Details on C-502 correspond to each location?

REFER TO QUESTION 7 ABOVE.

14. Please verify if a valve exists at Chambers Hall or if a new valve will be required?

CHAMBERS HALL HAS AN EXISTING TEE AND VALVE OF AN ADEQUATE SIZE THAT SHALL BE UTILIZED UNDER THE SCOPE OF THIS PROJECT, AS SHOWN ON THE DRAWINGS.

15. Both drawing 502 #2 & #4 shows check valves inside of building, yet the notes on the plans call state OS& Y control Valve with tamper switch. Please clarify the requirement for each building? Provide a model #.

REFER TO QUESTION 7 ABOVE. REFER TO SPECIFICATION 210523 SECTION 5.5 FOR CHECK VALVES.

16. Page C-103 detail 02. When visiting the site there was a reference to the pipes to be extended away from the doors (as it seemed the door opened toward them), can the pipes or should the pipe be relocated away from the door?



THE DESIGN INTENT IS TO INSTALL THE INCOMING FIRE SERVICE AND FDC PIPING IN MECHANICAL ROOM INDICATED. THE TWO PIPES MAY BE INSTALLED IN AN ALTERNATE CONFIGURATION IN THE SAME CORNER OF THE ROOM.

CLARIFICATIONS

Staging Area

Parking Lot 10 is the dedicated staging area for equipment and materials for this project. Parking lot 10 is indicated on C-100 and will be the only acceptable place for storage during the project. This includes stock piling of soil.

Soil Testing

Acceptable soil is permitted to be used as suitable backfill as indicated in detail 03 on C-501. All contractors must include an allowance for unsuitable soil replacement.

Contractor Licensing Clarification

The question came up regarding needing a plumbing license for the work 5' outside to inside the building wall.

DLB Associates and Middlesex County College proposed this question to the state, NJ DCA, and it was concluded that a plumbing license is not required for the installation of the fire main designed in the contract documents.

Wall Construction Clarification

Wall Construction is only applicable for the two buildings that have pipe entrances through the wall.

Chambers Hall: The wall construction at the Chambers Hall service entrance is 12" thick concrete foundation walls, reinforced with #4 bars.

Library: The wall construction at the Library is 12" thick concrete foundation walls, reinforced with #4 bars.

Trenchless Technology

The question came up regarding the use of trenchless technology for the entrance location at Johnson Learning Center. JLC requires both a fire protection water service and a FDC connection near the street.

Trenchless technology shall be acceptable for use on the project. However, the pipe materials must remain consistent with the rest of the project. This may require a sleeve pipe to be installed prior to installation of the DI pipe used on the project.

The contractor must not disturb the existing medium voltage equipment during this installation. Prior to use of trenchless technology further investigation must be done to ensure there are not any underground electrical services to the medium voltage selector switch that would be an obstruction during the installation.

