**ADDENDUM NO.: 1** **DATE OF ADDENDUM: October 7, 2014**

# Renovations and Improvements for Handicapped Accessibility at Vinal Technical High School Middletown, CT BI - RT - 864

**Original Bid Due Date / Time:** **October 15, 2014** **1:00 PM**

**Previous Addendums: None**

**TO:** **Prospective Bid Proposers:**
This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated 7/4/2014. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

**Item 1**

In Section 00 41 00, Bid Proposal Form, Paragraph 4.2.1

**DELETE:** Three Hundred Sixty Five (365)

**SUBSTITUTE:** Two Hundred Seventy (270)

**Item 2**

In Section 01 20 00, Summary of Work, Paragraph F.3

**DELETE:** The General Contractor is required to

**SUBSTITUTE:** The General Contractor shall carry in his bid an amount of Four Thousand Dollars ($4,000.00) in order to

**Item 3**

In the large boxed notes at the top right of the sheet (titled Phasing Notes), **DELETE** the portion of Note #4, "of 2015". Revised note to read, "CONSTRUCTION PHASE #8 MUST BE COMPLETED DURING THE SUMMER."

**Item 4**

In Section 01 52 13, Paragraph C.5

**ADD:** Owner and Construction Administrator's Field Office shall be contained within the General Contractor's trailer, after the following sentence, The field office shall be one (1) single wide trailer 12' x 60'

**Item 5**

In Section 08 31 13, Access Doors and Frames

**DELETE:** Delete section 1.3 and all subparagraphs in their entirety.

**ADDENDUM NO.: 1** **DATE OF ADDENDUM: October 7, 2014**

**Item 6**

Section 21 05 00, Fire Protection Basic Materials and Methods

**ADD:** Above indicated specification section was omitted from the Project Manual, but included in the table of contents.

**Item 7**

See attached answers to submitted Request for Information questions. (3 pages)

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (Chris Legiadre- Amenta|Emma Architects, clegiadre@amentaemma.com) with copies sent to the CT DCS Project Manager (Dennis Tovey, Dennis.Tovey@ct.gov).

**End of Addendum 1**

Mellanee Walton

**Mellanee Walton, Associate Fiscal Administrative Officer**
**Department of Administrative Services**
**On Behalf of the Division of Construction Services**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

A. Pipe, fittings, valves, and connections for Sprinkler systems.

1.3 RELATED REQUIREMENTS

A. Section 220553 - Identification for Plumbing Piping and Equipment: Piping identification.

B. Section 211300 - Fire-Suppression Sprinkler Systems: Sprinkler systems design.

1.4 REFERENCE STANDARDS

A. ASME (BPV IX) - Boiler and Pressure Vessel Code, Section IX - Welding and Brazing Qualifications; The American Society of Mechanical Engineers.

B. ASME B16.1 - Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250; The American Society of Mechanical Engineers.

C. ASME B16.9 - Factory-made Wrought Steel Buttwelding Fittings; The American Society of Mechanical Engineers.

D. ASTM A197/A197M - Standard Specification for Cupola Malleable Iron; 2006.

E. ASTM A795/A795M - Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.

F. NFPA 13 - Standard for the Installation of Sprinkler Systems; National Fire Protection Association; 2002.

G. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc..

1.5 SUBMITTALS

A. See Section 013300 - Submittals, for submittal procedures.

B. Product Data: Provide manufacturers catalogue information. Indicate valve data and ratings.

C. Shop Drawings: Indicate pipe materials used, jointing methods, supports, floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.

D. Project Record Documents: Record actual locations of components and tag numbering.

E. Operation and Maintenance Data: Include installation instructions and spare parts lists.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years experience.

B. Conform to UL requirements.

C. Valves: Bear UL label or marking. Provide manufacturer's name and pressure rating marked on valve body.

1.7 CONTRACTOR'S RESPONSIBLITIES

A. All permits and fees.

B. Hoisting, rigging, transportation costs and installation of necessary appurtenances.

C. The Contractor shall visit the premises and note all pertinent facts and details including conditions under which the work must be carried out. No allowance will be made for failure to have done so.

D. Holes - Cutting and Patching: Cutting will be by core boring, patch will require both waterproofing and fireproofing.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store valves in shipping containers, with labeling in place.

B. Provide temporary protective coating on cast iron and steel valves.

C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

PART 2 PRODUCTS

2.1 FIRE PROTECTION SYSTEMS

A. Sprinkler Systems: Conform work to NFPA 13.

B. Welding Materials and Procedures: Conform to ASME Code.

2.2 ABOVE GROUND PIPING

A. Steel Pipe: ASTM A795 Schedule 10 or ASTM A 795 Schedule 40, black.
1. Standard weight Schedule 40 with grooved coupling in sizes 1-1/2" and 2". Standard square cut grooves to coupling manufacturer's specifications.
2. Standard weight Schedule 40 with threaded coupling and fittings in sizes 2" and smaller.
3. Light wall Schedule 10 with grooved couplings in sizes 2-1/2" and larger. Rolled grooves; no cut grooves or threading will be allowed on Schedule 10.

B. Fittings
1. Steel Fittings: ASME B16.9, wrought steel, buttwelded.
2. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings.
3. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A197.

4. Mechanical Grooved Couplings: Malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe.

2.3 PIPE HANGERS AND SUPPORTS

A. Hangers for Pipe Sizes 3/8 to 3 inch: Malleable iron, split ring extension hanger.

B. Hangers for Pipe Sizes 1 inch and Over: Carbon steel, adjustable ring, with knurled swivel. NFPA threaded rod sizes.

C. Hanger attachment to structural steel beam: Universal or wide mouth malleable iron C-type beam clamp with locknut, U.L. Listed. Secure with retaining strap hammered tight to beam flange.

D. Hanger attachment to concrete: Set-in expansion anchors to rated capacity or self drilling anchors where weight of piping does not exceed half of rated capacity.

E. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.

F. Wall Support for Pipe Sizes 4 inches and Over: Welded steel bracket and wrought steel clamp.

G. Vertical Support: Steel riser clamp.

H. Floor Support: Cast iron adjustable pipe saddle with U-bolt, threaded pipe adjuster, cast iron floor flange, and steel pipe support.

2.4 BALL VALVES

A. Up to and including 2 inches:
1. Bronze two piece body, brass, chrome plated bronze, or stainless steel ball, teflon seats and stuffing box ring, lever handle , threaded ends .

2.5 DRAIN VALVES

A. Ball Valve:
1. Brass with cap and chain, 3/4 inch hose thread.

PART 3 EXECUTION

3.1 PREPARATION

A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.

B. Remove scale and foreign material, from inside and outside, before assembly.

C. Prepare piping connections to equipment with flanges or unions.

3.2 INSTALLATION

A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13.

B. Fire protection piping shall be seismically restrained per the current Building Code.

C. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.

D. Install piping to conserve building space, to not interfere with use of space and other work.

E. Group piping whenever practical at common elevations.

F. Sleeve pipes passing through partitions, walls, and floors.

G. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.

H. Inserts:
1. Provide inserts for placement in concrete formwork.
2. Provide inserts for suspending hangers from reinforced concrete slabs and sides of reinforced concrete beams.

3.3 HANGERS AND SUPPORTS

A. Pipe Hangers and Supports:
1. Place hangers within 12 inches of each horizontal elbow. Any sprinkler pipe over 1'-6" in length requires a hanger and the maximum overhang beyond the last hanger shall not exceed 1'-6". Hangers are to be installed on both sides of grooved pipe couplings.
2. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe. End of line hangers for pendent sprinklers shall prevent upward movement of pipe.
3. Support vertical piping at every floor. Support riser piping independently of connected horizontal piping.
4. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.

3.4 PIPING SYSTEM

A. The piping system shall be arranged so that the entire system can be flushed and drained through accessible low points. Slope piping towards main drain or provide auxiliary drains for water in trapped sections of pipe.

B. Pipe and fittings for drain lines shall be galvanized.

C. Do not penetrate building structural members unless indicated.

D. Provide sleeves when penetrating floors and walls. Seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.

E. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, union, and couplings for servicing are consistently provided.

F. Grooved fittings and couplings shall be installed in accordance with the manufacturer's recommendations. Piping shall be cut and prepared per the coupling manufacturer's standards.

G. Threaded joints shall be made with teflon liquid joints compound applied to male threads only.

3.5 VALVES

A. Install valves with stems upright or horizontal, not inverted. Remove protective coatings prior to installation.

B. Provide drain valves at main shut-off valves, low points of piping and apparatus. All drain piping shall be galvanized.

END OF SECTION

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# BIDDING RFI RESPONSES

Renovations and Improvements for Handicapped Accessibility
At Vinal Technical High School
Middletown, Connecticut
Project No: BI-RT-864
A|E Project No: 13029
October 2, 2014
Prepared by Amenta|Emma Architects, P.C.

Submitting Contractor Legend
SCC = Scope Construction Company
PB = Pioneer Builders of Newington, Inc.
NCI = Nutmeg Companies Inc.

**RFI #001 [SCC]**

***Q:*** *Plumbing demolition drawings Notes 1 & 2 indicate to remove the under slab waste line back to the main. The demo drawings only mention to remove the plumbing in its entirety. Neither drawing indicates slab removals. Spec 220511indicates to remove plumbing to behind finished surface. However the floor drains provide a clear detail (18/D2.01) on slab removals for the drains replacement. Please advise.*

***A:*** *Removal and replacement of slab on grade shall be coordinated and provided as necessary to remove below grade piping indicated to be demolished within the plumbing drawings. Floor drain demolition detail is intended for locations where under slab piping is to remain and floor drain/body only are to be removed.*

**RFI #002 [SCC]**

*Q: Under specification 083113 there is a paragraph for Allowances. However in 012100 the only allowance is for the fire detection NAC Extenders. Please confirm if there is to be an allowance for the Access Doors and how much to carry.*

*A: Reference to allowances shall be removed from specification section 08 31 13. Existing access panel locations requiring replacement have been indicated within the Contract Documents (ex. 16/A2.09). Contractor shall be responsible for providing new access panels as necessary to accommodate new concealed elements requiring access (cleanouts, junction, etc.) which will be determined during construction.*

**RFI #003 [SCC]**

***Q:*** *Will site work be allowed to be performed during normal daytime hours of 6:00 AM to 4:30 PM or will this be required second shift? If second shift, depending on when work is done, there is the issue of daylight and temperatures depending on work being done.*

***A:*** *Site work should be completed during normal daytime hours. Exact hours and dates of site work to be coordinated with the school prior to commencement of work.*

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**RFI #004 [PB]**

***Q:*** *There is no fire protection drawing. Should we assume that no heads are being relocated?*

***A:*** *No, assumption of no sprinkler work is not correct. Fire protection work is limited as only portions of the building contain sprinklers. Fire protection work where applicable, is indicated on the Mechanical (M Series) drawings.*

**RFI #005 [PB]**

***Q:*** *The bathrooms do not show any floor trenching in the demo plans. Can you please clarify the extent of the floor trenching?*

***A:*** *Removal and replacement of slab on grade shall be provided as necessary to remove below grade piping indicated to be demolished within the plumbing drawings.*

**RFI #006 [NCI]**

***Q:*** *The original documents that we received do not include a finish schedule. Please provide a finish schedule in an upcoming addendum.*

***A:*** *Each floor plan contains a finish tag indicating the scheduled finishes for each space. Actual finishes are indicated within specifications. Legend will be added to drawings clarified specification section where actual finish information can be located.*

| | |
|---|---|
| *PT* | *Paint Finish, 09 91 23* |
| *RB* | *Resilient Base, 09 65 13* |
| *ACT* | *Acoustical Panel Ceiling, 09 51 13* |
| *FAB* | *Fluid Applied Base, 09 67 00* |
| *FAF* | *Fluid Applied Flooring, 09 67 00* |
| *CT* | *Ceramic Wall/Floor Tile, 09 30 00* |
| *CPT* | *Sheet Carpeting, 096816* |
| *LVT* | *Resilient Tile Flooring, 096519* |
| *CONC* | *Concrete slab on grade* |

**RFI #006 [SCC]**

***Q:*** *Drawing A2.12: Showers D65 calls for CT-3 for floor and base. On the same drawing, Coaches Bathroom D35A calls for CT-3 on floor and CTB-1 for base. There is no CTB-1 in the spec. Please confirm base should be CT-3.*

***A:*** *Confirmed, wall base in room D35A should be CT-3.*

**RFI #007 [SCC]**

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***Q:*** *Drawing A2.14: Bathroom D-72. It shows CT-1 & CT-2 for the walls. However, the elevations show CT-1 & CT-4. Please advise if CT-2 or CT-4 should be used.*

***A:*** *CT-1 and CT-4 as per the elevations is correct within Girl's Toilet D-72.*

**RFI #008 [SCC]**

***Q:*** *On the bid form it states the low bidder will need to pull a permit for the Discharge of Stormwater and Dewatering from construction activities. Is there a permit fee associated with this? Is this fee waivable if there is one?*

***A:*** *Area of disturbance on this project is less than 1 acre, therefore permit is not required.*

**RFI #009 [PB]**

***Q:*** *Drawing C2.01 calls for 6" FIP pipe running to the grease trap. Please confirm that is correct and plastic shouldn't be used.*

***A:*** *Drawings indicated "DIP" (Ductile Iron Pipe), not FIP, from the building to the grease trap. Out of the grease trap to the connecting manhole, the pipe is PVC (Polyvinyl Chloride). Documents are correct and no change is necessary.*

**RFI #010 [SCC]**

***Q:*** *Due to scheduling conflicts, we would respectfully request that the bid be extended by one week.*

***A:*** *Original bid due date shall remain.*

End of Responses