Addendum No. 1, February 8, 2019

TO ALL BIDDERS ON THE PROJECT TITLE: NEW BEDFORD FIRE STATION HEADQUARTERS

868 PLEASANT ST., NEW BEDFORD, MA 02740

NEW BEDFORD DEPARTMENT OF FACILITIES AND FLEET MANAGEMENT
294 LIBERTY STREET
NEW BEDFORD, MA 02740
CONTRACT #19192037

JMBA #1809


The attention of bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the proposal submitted.

- This addendum consists of 2 pages and the following attachments
  o Spec Section 15 0290 – Polyvinyl Chloride (PVC) Pipe and Fittings (2 pages)
  o Spec Section 07 9200 – Joint Sealers (3 pages)

<table>
<thead>
<tr>
<th>Item</th>
<th>Section/Drawing No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.01</td>
<td>Spec Section 15 0290 PVC Pipe and Fittings</td>
<td>Add the attached spec section 15 0290-Polyvinyl Chloride (PVC) Pipe and Fittings to the bid documents</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Attachment: Spec Section 15 0290</td>
</tr>
<tr>
<td>1.02</td>
<td>Spec Section 02 4120 Selective Building Demolition Sheets A-101, A-201, A-202</td>
<td>Delete the following text from spec section 02 4120: 1.1, A. 1. “Removal of existing roof shingle systems”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Delete the symbols in the Construction Plan Legend on sheets A-101, A-201, and A-202 that refer to Ice and water shield, and E.P.D.M roofing membrane.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No roofing repairs or removal are included in this project.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Attachment: None</td>
</tr>
</tbody>
</table>
1.03 Elevation 03 / Sheet A-201

**Base Bid and Alternate Clarification**

Add the following note to Elevation 03 – North Lightwell Elevation, on sheet A-201:

“Base bid to include 100% repointing of brick masonry wall.”

Base Bid shall include the following:
- 100% Repointing of the North Lightwell Wall
- All other work on the drawings, excluding the following two alternates.

Add Alternate 1 shall include the following:
- 100% repointing of the West Lightwell Wall

Add Alternate 2 shall include the following:
- 100% repointing of the South Lightwell Wall

Attachment: None

1.04 Advertisement

General Contractors shall be required to be DCAMM certified in the **Masonry** Category.

Attachment: None

1.05 Elevation 01 / Sheet A-201

Revise the following note on Elevation 01 on sheet A-201 to read the following (Revisions are in **Underlined** and in **Bold**):

“Carefully Remove **All** exist. bricks @ column line & save for re-use. Dispose of cracked bricks.
- Clean Mtl column, coat w/ rust inhibitive pt.
- Tooth in bricks & leave a continuous control joint set in sealant on the centerline of the column. See detail 04/A-501, replace cracked bricks as req’d.”

Attachment: None

1.06 Spec Section 07 9200 Joint Sealers

Add the attached spec section 07 9200-Joint Sealers to the bid documents

Attachment: Spec Section 07 9200

All other portions of the Contract Documents remain **unchanged**.

Note: The General Bid Date remains **unchanged**.

Please be reminded to acknowledge this Addendum on the bid forms.

--- End of Addendum No. 1 ---
SECTION 15 0290
POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS

PART 1 - GENERAL

1.1 SUMMARY

This section includes materials and installation of polyvinyl chloride (PVC) pipe and fittings.

1.02 RELATED SECTIONS

A. Division 01: Administrative, procedural, and temporary work requirements.
B. Record Drawings and Submittals

1.03 SUBMITTALS

A. Submit submittal packages in accordance with Standard Specification Section 01300.
B. Submit manufacturer's catalog data and descriptive literature for PVC, pipe, fittings, solvent, and miscellaneous materials. Show dimensions and materials of construction by specification reference and grade.

PART 2 - MATERIALS

2.01 PVC PIPE

PVC pipe shall be Schedule 40, Type I, Grade I (Class 12454-B), conforming to ASTM D 1784 and D 1785. Provide PVC pipe with the schedule as shown on the Drawings.

2.02 NIPPLES

Short nipples shall be the same as the PVC pipe.

2.03 FITTINGS

Provide fittings that have the same schedule as the PVC pipe.

A. Fittings shall be Schedule 40 conforming to ASTM D 2466 for socket-type.

2.04 JOINTS

A. Pipe and fitting joints shall be solvent welded except where threaded joints are required.
B. Solvent cement for socket joints shall comply with ASTM D 2564 and F 656.

PART 3 - EXECUTION
3.01 GENERAL

A. Do not install PVC pipe when the temperature is below 40 degrees F or above 90 degrees F.

B. Store fittings indoors in their original cartons.

C. Store solvent cement indoors or, if outdoors, shade from direct sunlight exposure. Do not use solvent cements which have exceeded the shelf life marked on the storage container.

D. Before installation, check pipe and fittings for cuts, scratches, gouges, buckling, kinking, or splitting on pipe ends. Remove any pipe section containing defects by cutting out the damaged section as a complete cylinder.

3.02 INSTALLATION

Do not drag PVC pipe over the ground, drop it into the ground, or drop objects on it. Cut pipe ends square and remove all burrs, chips, and filings before joining pipe or fittings. Bevel solvent welded pipe ends as recommended by the pipe manufacturer.

3.03 SOLVENT WELDED JOINTS

A. Prior to solvent welding, remove fittings and couplings from their cartons and expose them to the air for at least one hour to the same temperature conditions as the pipe.

B. Wipe away loose dirt and moisture from the ID and OD of the pipe end and the ID of the fitting before applying solvent cement. Do not apply solvent cement to wet surfaces. C. Make up solvent welded joints per ASTM D 2855.

C. Allow at least 8 hours of drying time before moving solvent welded joints or subjecting the joints to any internal or external loads or pressures.

END OF SECTION
SECTION 07 9200
JOINT SEALERS

PART 1  GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Joint backup materials.
   2. Joint sealers.

B. Related Sections:
   1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

A. ASTM International (ASTM):

1.3 SUBMITTALS

A. Submittals for Review:
   1. Product Data: Indicate sealers, primers, backup materials, bond breakers, and accessories proposed for use.
   2. Samples:
      a. 1/2 x 1/2 x 3 inch long joint sealer samples showing available colors.
      b. 6 inch long joint backup material samples.

1.4 QUALITY ASSURANCE

A. Applicator Qualifications: Minimum 5 years documented experience in work of this Section.

B. Field Pre-Construction Testing: Test each joint sealer and joint substrate before beginning work of this Section:
   1. Install sealers in mockups using joint preparation methods and materials recommended by sealer manufacturer.
   2. Install field-test joints in inconspicuous location.
   3. Test sealers using manufacturer’s standard field adhesion test; verify joint preparation and primer required to obtain optimum adhesion of sealants to joint substrate.
   4. When test indicates sealant adhesion failure, modify joint preparation, primer, or both and retest until joint passes sealant adhesion test.
1.5 PROJECT CONDITIONS

A. Do not apply sealers at temperatures below 55 degrees F unless approved by sealer manufacturer.

1.6 WARRANTIES

A. Furnish manufacturer’s 10 year warranty providing coverage for exterior sealers and accessories that fail to provide air and water tight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. BASF Building Systems. (www.buildingsystems.basf.com)
   2. Dow Corning Corp. (www.dowcorning.com)
   3. GE Silicones. (www.gesealants.com)
   4. Pecora Corp. (www.pecora.com)
   5. Sika Corp. (www.sikausa.com)
   6. Tremco, Inc. (www.tremcosealants.com)

B. Substitutions: Allowed with comparative data.

2.2 MATERIALS

A. Joint Sealer Type 1:
   1. ASTM C834, single component acrylic latex, non sag.
   2. Movement capability: Plus or minus 7-1/2 percent.

2.3 ACCESSORIES

A. Primers, Bondbreakers, and Solvents: As recommended by sealer manufacturer.

B. Joint Backing:
   1. ASTM C1330, closed cell polyethylene foam, preformed round joint filler, non absorbing, non staining, resilient, compatible with sealer and primer, recommended by sealer manufacturer for each sealer type.
   2. Size: Minimum 1.25 times joint width.

PART 3 EXECUTION

3.1 PREPARATION

A. Remove loose and foreign matter that could impair adhesion. If surface has been subject to chemical contamination, contact sealer manufacturer for recommendation.

B. Clean and prime joints in accordance with manufacturer's instructions.

C. Protect adjacent surfaces with masking tape or protective coverings.

D. Sealer Dimensions:
1. Minimum joint size: 1/8 x 1/8 inch.
2. Joints 1/4 to 1/2 inch wide: Depth equal to width.
3. Joints over 1/2 inch wide: Depth equal to one half of width.

3.2 APPLICATION

A. Apply products in accordance with manufacturer's instructions.
B. Install sealers and accessories in accordance with ASTM C1193.
C. Install joint backing to maintain required sealer dimensions. Compress backing approximately 25 percent without puncturing skin. Do not twist or stretch.
D. Use bondbreaker tape where joint backing is not installed.
E. Fill joints full without air pockets, embedded materials, ridges, and sags.
F. Tool sealer to smooth profile.
G. Apply sealer within manufacturer's recommended temperature range.

3.3 CLEANING

A. Remove masking tape and protective coverings after sealer has cured.
B. Clean adjacent surfaces.

END OF SECTION