COUNTY OF WESTCHESTER
NEW YORK

DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

DIVISION OF ENGINEERING

ADDENDUM NO. 5

CONTRACT NO. 22-526

FOR

REHABILITATION OF WEAVER STREET PUMPING STATION
MAMARONECK VALLEY SANITARY SEWER DISTRICT
TOWN OF MAMARONECK,
NEW YORK

The attention of the bidders is directed to the following changes, additions, and/or substitutions affecting the above-referenced contract(s).

A. RE: GENERAL CONTRACT INFORMATION:

ITEM 1: BIDDERS' QUESTIONS AND RESPONSES

Attached hereto.

B. RE: THE SPECIFICATIONS:

ITEM 1: SPECIFICATION TABLE OF CONTENTS

Under Division 32 – Exterior Improvements, **ADD**:

"Section 32 16 13- Concrete Curbs 32 16 13-1 to -6"

ITEM 2: SECTION 26 09 16, AUXILIARY CONTROLS AND RELAYS, paragraph 1.1

ADD new paragraph 1.1.N as follows:

"N. Heat Detectors"

ITEM 3: SECTION 26 09 16, AUXILIARY CONTROLS AND RELAYS, Part 2

ADD new paragraph 2.14 as follows:

"2.14 HEAT DETECTORS

A. Edwards 302 series 135°F rate compensation type, rated for Class 1, Group

D explosionproof, or equal"

ITEM 4: SECTION 31 63 29 – DRILLED CONCRETE PIERS, paragraph 1.4.E

DELETE paragraph 1.4.E and **REPLACE** with:

"E. (NOT USED)"

ITEM 5: SECTION 31 63 29 – DRILLED CONCRETE PIERS, paragraph 1.6.D.1

DELETE paragraph 1.6.D.1 and **REPLACE** with:

"1. (NOT USED)"

ITEM 6: SECTION 31 63 29 – DRILLED CONCRETE PIERS, paragraph 2.1.A.1

DELETE paragraph 2.1.A.1 and **REPLACE** with:

"1. Installation plan to define the means and methods to be used for construction."

ITEM 7: SECTION 31 63 29 – DRILLED CONCRETE PIERS, paragraph 3.3.A

ADD new paragraph 3.3A.C.2) as follows:

"2) Load test shall be performed as specified herein and in accordance with the applicable NYS Building Code. The following loading schedule may be used, or the Contractor may submit an alternate schedule for review and acceptance:

Load	**Hold Time (minutes)**
0.1*DL	2.5
0.2*DL	2.5
0.3*DL	2.5
0.4*DL	2.5
0.5*DL	2.5
0.6*DL	2.5
0.7*DL	2.5
0.8*DL	2.5
0.9*DL	2.5
1.0*DL	2.5
1.1*DL	2.5
1.2*DL	2.5
1.3*DL	2.5
1.4*DL	2.5
1.5*DL	2.5

1.6*DL	2.5
1.7*DL	2.5
1.8*DL	2.5
1.9*DL	2.5
2.0*DL	2.5
1.5*DL	2.5
1.0*DL	2.5
0.5*DL	2.5
0*DL	2.5
DL = Design Load = 30 kips	

ITEM 8: SECTION 32 16 13 – CONCRETE CURBS

ADD "Section 31 16 13, Concrete Curbs" in its entirety included in Attachment 1.

ALL PROVISIONS OF THE CONTRACT NOT AFFECTED BY THE FOREGOING SHALL REMAIN IN FULL FORCE AND EFFECT.

COUNTY OF WESTCHESTER
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

By: Hugh J. Greechan, Jr., P.E.
Commissioner

Dated: October 9, 2024
WHITE PLAINS, NEW YORK

BIDDERS' QUESTIONS AND RESPONSES

BIDDERS' QUESTIONS AND RESPONSES

CONTRACT NO. 22-526
REHABILITATION OF WEAVER STREET PUMPING STATION
MAMARONECK VALLEY SANITARY SEWER DISTRICT
TOWN OF MAMARONECK, NEW YORK

To All Contractors:

Contractors submitting proposals for the above-named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's bid proposal.

Below are the ***Questions*** that have been submitted with **Responses**:

Question 1: Question 14 provided in Addendum No. 2 states that the slab under the electrical building and the generator is self-supported and does not require backfill under it. Please confirm if leaving the soffit and shoring in place is acceptable as there will be no way to remove formwork once slab is poured.

> **Response**: Leaving the forms in place is acceptable.

Question 2: Please confirm the correct diameter of the Bubbler Assembly, Multi Point Float Assembly and Pressure Transducer Assembly as they are all drawn to the same diameter on Page M-016 at 6". But in the detail of the Multi Point Float Assembly on page I-009, it is shown that there needs to be 10" of space between the housing and Inner components which would make the hosing more like 12".

> **Response**: It is anticipated that the Pressure Transducer Assembly shall include a 6-inch diameter stilling well, the Bubbler Assembly shall include a 6-inch diameter stilling well, and the Float Assembly shall include a 12-inch diameter stilling well. However, size may vary based on the instrument models/assemblies provided. Contractor is responsible to size stilling wells accordingly to accommodate installed instruments.

Question 3: Addendum #4 changed the new curbs from asphalt to concrete. Spec Section 32 12 00 - Flexible Paving Item 3.2.3, references Section 32 16 13 - Concrete Curbs, Gutters and Sidewalks. Please provide Spec Section 32 16 13.

> **Response**: See attached Section 32 16 13 - Concrete Curbs.

Question 4: On Sheet S-007, Section 3 Detail, there is a dimension of 1- 1/2" above the top slab. Is the dimension pointing out the crown location of the sloped slab with a peak at Elevation 19.12 or is the intent for a 1- 1/2" topping slab inside the Electrical Building. Please clarify the intent of the dimension shown.

> **Response**: There is no crown within the Electrical Building/Room. The floor of the Electrical Building/Room shall be 19.12' and shall be flat as shown.

Question 5: Drawings I-004 & E-016 call out a "Fire Alarm Relay Panel" provided under Division 26. The specifications do not include any language for the function, make, model, etc. of the fire alarm relay panel and components. Please provide specifications and details for the fire alarm relay panel for this contract.

Response: Fire alarm relay panel shall be provided with functionality as shown on Drawing E-017 “Fire Alarm Relay Panel Elementary”.

Question 6: Drawing E-016 show heat detectors to be installed. Please provide specifications for the heat detector for this contractor.

Response: Heat Detectors shall be Edwards 302 series 135°F rate compensation type, rated for Class 1, Group D explosionproof, or equal. Smoke detectors shall be Gentex S1209F photoelectric smoke detector with form C auxiliary relay, 120VAC with battery backup, or equal in accordance with Section 26 09 16, Auxiliary Controls and Relays.

Question 7: Drawing E-016 show telephone and internet cable from the existing utility pole to the Weaver Street PS Network Cabinet (PS-WVR-NC). Please clarify if the contractor is to install telephone and internet cable or Verizon is to install the cables

Response: Verizon and Optimum will install their service cables from the utility pole to the building.

Question 8: Drawing E-016 show telephone and internet cable from the existing utility pole to the Weaver Street PS Network Cabinet (PS-WVR-NC). Please clarify what kind of internet cable is to be used for this contract

Response: Verizon and Optimum will install their service cables from the utility pole to the building.

Question 9: Contract Specification 31 63 29 - Drilled Concrete Piers, Section 1.6.D calls for a Drilled Foundation Design Analysis. Section 1.6F. Calls for the Qualifications of Engineer. Section 2.1.A. calls for Drilled Pier Design to be submitted. Is the intent of the Contract for the General Contractor to provide a design for the drilled shafts even though the diameter, reinforcing steel, and rock socket depth is already provided on the Contract Drawings? If this design is required please provide the design loads for the Drilled Shafts.

Response: Design of piers not required by Contractor. Contractor shall provide drilled piers in accordance with the drilled pier detail on Drawing S-007.

Question 10: Contract Specification 31 63 29 - Drilled Concrete Piers, Section 1.6.E.3 calls for a Load Test to be submitted. Section 3.3.A.c provides information on the Load Test. Please provide the design loads for the Drilled Shafts so the cost of the load test can be determined.

Response: Load test shall be performed as specified in Section 31 63 29 and in accordance with the applicable NYS Building Code. Refer to the revised Specifications of this Addendum for suggested load schedule.

Question 11: At the end of the project, is the owner retaining ownership of the existing generator?

Response: No - the existing generator shall be demolished and removed.

ATTACHMENTS

SECTION 32 16 13

CONCRETE CURBS

PART 1 – GENERAL

1.1 DESCRIPTION

A. Scope:
   1. Contractor shall provide all labor, materials, equipment, and incidentals as shown, specified, and required to furnish and install concrete curbs.
   2. Types of Work required under this Section include:
      a. Conventionally-formed or machine-formed curb.
   3. Width, thickness, geometry, and extent of curb shall be as shown or indicated on the Drawings.

B. Related Sections:
   1. Section 03 00 05, Concrete
   2. Section 07 92 00, Joint Sealants.

1.2 (NOT USED)

1.3 QUALITY ASSURANCE

A. Qualifications:
   1. Installer:
      a. Installer shall have not less than two years experience installing concrete curbs similar to those required for the Work.
      b. When required by Engineer, submit record of experience documenting not less than three successful, completed projects. For each project, submit name the following information: project name, location of project, approximate quantity of concrete curb constructed by installer, contract price of concrete curb construction, and name and contact information for project owner and the project's construction-phase engineer.
      c. When the Work includes 65 cubic yards or more of curb, furnish services of an ACI-certified concrete flatwork finisher to supervise finishing. Submit proof of ACI flatwork certification prior to concrete placing.

1.4 SUBMITTALS

A. Action Submittals: Submit the following:
   1. Shop Drawings:
      a. Submit concrete mix design when mix design is different from that submitted under Division 03 Sections on concrete. Submit in accordance with Division 03 Sections on concrete.
      b. Proposed reinforcing materials.

2. Product Data:
    a. Concrete Materials: Submit Supplier's technical information for materials proposed for use, when concrete materials are different from those submitted under Division 03 Sections on concrete.
    b. Reinforcing Steel: Submit fabricator's technical information, including catalog information and specifications, for materials proposed for use, sufficient for Engineer to verify compliance with the Contract Documents.
    c. Expansion Joint Filler: Submit Supplier's technical information, including manufacturer's product data, brochure, and specifications, for materials proposed for use, when materials are different from those submitted under Division 03 Sections on concrete.

B. Informational Submittals: Submit the following:
1. Certifications:
    a. When concrete materials are different from those approved under Division 03 Sections on concrete, submit certifications as required in concrete Specifications Sections referred to in this Section.
2. Site Quality Control Submittals:
    a. Concrete test results for the Work included under this Section.
3. Qualifications Statements:
    a. Installer, when requested by Engineer.

1.5 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Comply with Division 03 Sections on concrete referenced in this Section.

1.6 SITE CONDITIONS

A. Weather and Temperature Limitations:
1. When temperature and environmental conditions warrant, comply with requirements for cold weather placing and hot weather placing under Division 03 Sections referenced in this Section, unless otherwise required under this Section.
2. Temperature of aggregate base material under concrete shall be 39 degrees F or higher. Aggregate base material shall not have snow, ice, frost, or standing water on its surface at the time of concrete placing. Use of insulating materials and heating equipment may be required before concrete placing begins.
3. Discontinue concrete placing when the air temperature falls below 39 degrees F. Do not place concrete in the rain.

PART 2 – PRODUCTS

2.1 MATERIALS

A. Aggregate Bedding Material: Subbase material in accordance with Section 31 20 00 - Earth Moving, unless otherwise shown or indicated.

B. Concrete Materials:
   1. Comply with applicable requirements of: Section 03 00 05, Concrete; including requirements for formwork, concrete materials, admixtures, bonding materials, curing materials, and others as required.
   2. Concrete Mix, Design, and Testing:
      a. Comply with applicable requirements of Section 03 00 05, Concrete, for concrete mix design, sampling, and testing, and quality control.
      b. Design the mix to produce concrete of properties of compressive strength, slump range, and air content as specified in Section 03 30 00, Cast-in-Place Concrete.
      c. When machine-formed equipment is used for constructing concrete curbs, sidewalks, or gutters, concrete so placed shall have properties in accordance with Section 03 00 05, Concrete, except that maximum slump shall be 2.5 inches and air content shall be two percent of design.

C. Reinforcing Materials:
   1. Provide deformed steel bars and smooth wire fabric complying with Section 03 00 05, Concrete.
   2. Provide wire fabric in flat sheets. Do not furnish wire fabric in rolls.

D. Expansion Joint Material:
   1. Preformed Expansion Joint Filler: Comply with Section 03 05 00, Concrete, for preformed expansion joint fillers.
   2. Joint Sealant: For joint sealants and accessories used on expansion joints, comply with Section 07 92 00, Joint Sealants.

PART 3 – EXECUTION

3.1 INSPECTION

A. Examine subgrade, subbase, and conditions under which the Work is will be performed and notify Engineer in writing of unsatisfactory conditions. Do not proceed with the Work until unsatisfactory conditions are been corrected.

B. Subgrade:
   1. Verify that earthwork is completed to correct line and grade.
   2. Verify that subgrade is smooth, properly compacted, and free of frost and excessive moisture in accordance with Division 31 Section on excavation and fill.
   3. Do not commence the Work under this Section until conditions are satisfactory.

3.2 AGGREGATE BASE

A. Aggregate Base:

1. Install aggregate fill in accordance with Section 31 20 00 - Earth Moving. Properly compact aggregate fill to thickness shown or indicated in the Contract Documents.
2. When thickness of aggregate base is not shown or indicated, provide six-inch thick aggregate base under curbs, sidewalks, and gutters.

3.3 CONSTRUCTION OF FORMS

A. Conventional Forms:
   1. Set forms to line and grade. Forms shall be free from warp.
   2. Install forms along full length of curb.
   3. Forms shall extend to the full depth of the curb (as applicable) and be secured so no displacement occurs during concrete placing.

B. At Contractor's option, machine-formed concrete curbs are acceptable.

3.4 REINFORCING

A. General:
   1. Locate, place, and support reinforcing in accordance with Section 03 00 05, Concrete, unless otherwise shown on the Drawings.
   2. Size of reinforcing shall be as shown or indicated in the Contract Documents.

B. When machine-formed concrete curbs are provided, reinforcing shall be suitable for the forming/placing method, at no additional cost to Owner. Obtain Engineer's approval of alternate reinforcing prior to placing concrete.

3.5 CONCRETE PLACING

A. General:
   1. Comply with Section 03 00 05, Concrete and this Section relative to mixing and placing concrete.

B. Placing:
   1. Curbs: Place concrete using methods that prevent segregation of the mix. Consolidate concrete along face of forms with an internal vibrator.
   2. Machine-Formed:
      a. At Contractor's option, automatic curb machine may be used for installing concrete.
      b. Machine forming shall produce curbs of required cross-section, lines, grades, finish, and jointing, as specified for conventionally-formed concrete.
      c. At curb cuts and driveway entrances, cut-out concrete and hand-finish the curbing to provide the required curb cut or driveway entrance, as applicable.
      d. If results do not comply with the Contract Documents, remove and replace at no additional cost to Owner.

C. Curbs:
   1. Provide curb-cuts and driveway entrances for vehicle passage and pedestrian passage where shown, and when not shown but where existing sidewalks and curbs are being replaced, provide curb-cut or driveway entrance (as applicable) at location of existing driveways and pedestrian access ramps in sidewalks.
   2. Neatly form transitions from curb to curb-cut or driveway entrance.
   3. Unless otherwise shown or indicated, top of curb at curb-cut or driveway entrance shall be not greater than 1/4-inch above elevation of finished pavement surface.

3.6 JOINTS

A. General:
   1. Provide expansion joints, contraction joints, and construction joints in concrete curbs.
   2. Provide expansion, contraction, and construction joints perpendicular to formed faces of curb.
   3. Construct transverse joints at right angles to the Work centerline and as shown.

B. Contraction Joints: Provide joints as indicated below:
   1. Curbs: Provide at intervals of ten feet on centers. Joint shall be not less than 1/8- inch and not more than 1/4-inch in width, and have a depth of 1.5 inches.
   2. Joints may be formed or sawcut.

C. Construction Joints: Place construction joints at locations where concrete placing operations are stopped for more than 30 minutes, except where such pours terminate at expansion joints.

D. Expansion Joints:
   1. General: Provide preformed expansion joint filler at locations indicated. When curb is not poured monolithically, provide expansion joints where each abuts the other.
   2. Curbs: Provide 11/16-inch wide preformed expansion joint filter at the intervals of 30 feet along curb and gutter; at expansion joints in pavement; at movable structures (such as bridges); and between curb or gutter and: structures, returns, and at 30-foot intervals along length of curb or gutter.
   3. Place top of expansion joint material not less than 1/2-inch or more than one-inch below concrete surface. Apply joint sealer on top of expansion joint material flush with concrete surface, and in accordance with sealant manufacturer's instructions and Section 07 92 00, Joint Sealants.

3.7 CONCRETE FINISHING

A. Smooth exposed surface by screeding and floating. Perform hand-screeding when conventionally-formed concrete is provided.

B. Complete surface finishing by drawing a fine-hair broom across surface, perpendicular to line of traffic.

3.8 CURING

A. General:
   1. Protect and cure finished concrete curbs in accordance with Section 03 05 00, Concrete.
   2. Cure driveways and sidewalks at driveways for not less than three days prior to opening to vehicle traffic. In colder weather, as indicated in Article 1.6 of this Section, curing period shall be not less than six days prior to opening to vehicle traffic unless other provisions to determine strength are provided and approved by Engineer.

3.9 REPAIR AND CLEANING

A. Repair or replace broken or defective curbs, gutters, and sidewalk as directed by Engineer.

B. Sweep the concrete curb, sidewalk, and gutter Work and wash free of stains, discolorations, dirt, and other foreign material.

+ + END OF SECTION + +