# DELAWARE ENGINEERING, D.P.C.

**28 Madison Avenue Extension, Albany, NY 12203 • Phone 518-452-1290/FAX 518-452-1335**

March 09, 2022

| | | | |
|---|---|---|---|
| **To**: | ALL PLAN HOLDERS | **From**: | Robert Flores, P.E. |
| **Re:** | Village/Town of Mount Kisco – Saw Mill Pump Station Upgrades Project – Contract #2022-02 | **Pages:** | 3 (including this sheet) |


**Addendum # 4**

**Contracts for Construction**

The following items in this addendum apply to the Village/Town of Mount Kisco – Saw Mill Pump Station Upgrades Project for contract Number 2022-02

Bids are scheduled to be opened on **March 14, 2022 at 11:00 am**.

**ITEM #1: CLARIFICATION** –

- A $175,000.00 equipment allowance for the Dry Pit Submersible Pumps' VFDs has been added to the Bid Form as item A.4.

**ITEM #2: CLARIFICATION** –

- The upper roof alternate detailing the fluid applied restoration has been removed from spec section 07000 Summary of Roof Work.

**ITEM #3: CLARIFICATION** –

- The following sections of the project manual have been revised and attached to addendum.
  - Bid Form Proposal
  - 07000 Summary of Roof Work

NOTE

The revised plans and specifications are being distributed through RevPlans to everyone on the plan holders list. Should there be an issue with the system, and any of the specification attached cannot be accessed please contact Robert Flores, P.E. at 518-452-1290.

ATTENTION

PLEASE SIGN BELOW AND RETURN VIA EMAIL mholton@delawareengineering.com OR FAX TO DELAWARE ENGINEERING, DPC AT (518) 452-1335 to verify receipt of this Addendum.

RECEIVED BY: _____

Company Name: _____

| Village/Town of Mount Kisco - Saw Mill Pump Station Upgrade Project | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Contract #2022-01 - General Construction** | | | | | | | | | | |
| | | BID ITEM | QUANTITY | UNITS | | WRITE OUT THE UNIT PRICE | / | FIGURES | | ITEM BID PRICE |
| | | **GENERAL CONSTRUCTION** | | | | | | | | |
| **G.** | **1** | Mobilization & General Construction | 1 | LS | | | | | | |
| **G.** | **2** | Pump System Modifications | 1 | LS | | | | | | |
| **G.** | **3** | Grinder Systems | 1 | LS | | | | | | |
| **G.** | **4** | Building Rehab | 1 | LS | | | | | | |
| **G.** | **5** | Pump Station Control System | 1 | LS | | | | | | |
| | | **ELECTRICAL CONSTRUCTION** | | | | | | | | |
| **E.** | **1** | General Electrical | 1 | LS | | | | | | |
| **E.** | **2** | New Electrical Gear | 1 | LS | | | | | | |
| **E.** | **3** | Grinder Electrical | 1 | LS | | | | | | |
| **E.** | **4** | Pump Electrical | 1 | LS | | | | | | |
| **E.** | **5** | Wet well Blower Electrical | 1 | LS | | | | | | |
| **E.** | **6** | Check Valve Electrical | 1 | LS | | | | | | |
| **E.** | **7** | Instrumentation Conduit and Conductors | 1 | LS | | | | | | |
| **E.** | **8** | Pump Controls Electrical | 1 | LS | | | | | | |
| **E.** | **9** | New Generator | 1 | LS | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Village/Town of Mount Kisco - Saw Mill Pump Station Upgrade Project** | | | | | | | | | | |
| **Contract #2022-01 - General Construction** | | | | | | | | | | |
| | | BID ITEM | QUANTITY | UNITS | | WRITE OUT THE UNIT PRICE | / | FIGURES | | ITEM BID PRICE |
| **E.** | **10** | New Electrical Service | 1 | LS | | | | | | |
| **E.** | **11** | Lighting | 1 | LS | | | | | | |
| **A** | **1** | Allowance For Dry Pit Submersible Pumps Equipment | | | | Four Hundred Thousand Dollars and no cents | | $400,000.00 | | $400,000.00 |
| **A** | **2** | Allowance For Overflow Tank Repairs | | | | One Hundred Thousand Dollars and no cents | | $100,000.00 | | $100,000.00 |
| **A** | **3** | Allowance For Owner Requested Modifications | | | | Two Hundred Thousand Dollars and no cents | | $200,000.00 | | $200,000.00 |
| **A** | **4** | Allowance for the Dry Pit Submersible Pumps' VFDs (Equipment only) | | | | One Hundred and Seventry-Five Thousand Dollars and no cents | | $175,000.00 | | $175,000.00 |

**CONTRACT BASE BID TOTAL COST =**
**(write out both in words and figures)**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **HVAC CONSTRUCTION - Bid Alternate** | | | | | | | | |
| **H.** | **1** | HVAC Construction at the Saw Mill PS | 1 | LS | | | | | | |
| | | **PLUMBING CONSTRUCTION - Bid Alternate** | | | | | | | | |
| **P.** | **1** | Plumbing Construction - Drawing P-101 | 1 | LS | | | | | | |

**CONTRACT BID TOTAL COST = (write out both in words and figures)**

SECTION 07000
Summary of Roof Work

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

1.2 PROJECT INFORMATION

A. Section Includes:
   1. Scope of Roof Work
   2. Submittal of Bids
   3. Additional Requirements

1.3 PROJECT INFORMATION

A. Project Identification: Mt. Kisco Pump Station
   a. Address: Lexington Ave, Mt Kisco NY (note, this site is accessed from a service road with no address)

B. Project Timing: Completion 2022

1.4 SCOPE OF WORK

A. Lower Roof (Full Tear Off – New 2-Ply Roofing): Reference Section 07 52 00

   1. Non-ACM project.

   2. Remove existing EPDM Membrane and Polyisocyanurate insulation down to concrete deck. Inspect deck for any damage and broom clean.

   3. Install torch grade asphalt vapor barrier directly to concrete deck.

   4. Adhere flat polyisocyanurate insulation to asphalt vapor barrier in low rise foam adhesive. Provide average R30, 1/8” tapered insulation, sloping to the drip edge around the building. Install ½” crickets behind units to prevent ponding water.

   5. Adhere ½” gypsum coverboard to polyisocyanurate insulation in low rise foam adhesive.

   6. Install modified base sheet field and flashings in cold process adhesive.

   7. Install modified cap sheet field and flashings in cold process adhesive.

   8. Install all termination bars and counterflashing metal as required. Seal top edge of all termination bars. Cut new reglet to raise flashing height against stone wall to minimum of 8”.

   9. 3-Course each vertical lap with mesh and mastic on all flashings.

   10. Once roof surface has cured, return to site and coat field and flashings with aluminized UV protectant coating.

   11. Install finished edge metal (drip edge) as required.

B. Upper Roof (2-Ply Re-Cover): Reference Section 07 52 00

   1. Non-ACM project.

2. Based on IR Scan, remove and replace any wet insulation from existing EPDM roof system. Scan will be performed in the spring, provide a time and material price based on square footage for insulation replacement.

3. Provide new ¼" crickets in between drains to eliminate ponding water.

4. Provide new 4x4 sumps at both drain locations.

5. Score existing membrane and adhere new ½" gypsum coverboard in low rise foam adhesive.

6. Install modified base sheet field and flashings in cold process adhesive.

7. Install modified cap sheet field and flashings in cold process adhesive.

8. Cut EPDM membrane at walls 12" from base of the roof for new 2-ply flashings.

9. Install all termination bars and counterflashing metal as required. Seal top edge of all termination bars. EPDM wall membrane will be separated from 2-Ply roof with a metal/counterflash detail.

10. Coat all existing EPDM walls with fluid applied restoration material.

11. 3-Course each vertical lap with mesh and mastic on all flashings.

12. Once roof surface has cured, return to site and coat field and flashings with aluminized UV protectant coating.

1.5 SUBMITTAL OF BIDS

A. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation instructions.

B. Shop Drawings: Submit shop drawings including installation details of roofing, flashing, fastening, insulation and vapor barrier, including notation of roof slopes and fastening patterns of insulation and base modified bitumen membrane, prior to job start.

C. Design Pressure Calculations: Submit design pressure calculations for the roof area in accordance with ASCE 7 and local Building Code requirements. Include a roof system attachment analysis report, certifying the system's compliance with applicable wind load requirements before Work begins.

D. Recycled or Bio-Based Materials: Provide third party certification through UL Environment of roof System membranes containing recycled or bio based materials.

E. Verification Samples: For each modified bituminous membrane ply product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

F. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic inspection and maintenance of all completed roofing work. Provide product warranty executed by the manufacturer. Assist Owner in preparation and submittal of roof installation acceptance certification as may be necessary in connection with fire and extended coverage insurance on roofing and associated work.

1.6 ADDITIONAL REQUIREMENTS

A. Prevailing wages apply to this project.

B. Contractor is responsible for acquiring all applicable permits, payment and performance bonds.

C. Contractor is responsible for adhering to all OSHA, state, federal, and local regulations.

D. Contractor must seek approval from manufacturer before performing any or any addition to the Work. Manufacturer must provide the contractor written documentation of the modification to the Purchase Order within three (3) business days of verbal approval from Contractor that the modification constitutes a change to the Work. Contractor is not obligated to perform additional work until written modification has been received from manufacturer but may commence work based upon a reasonable assumption that a Change Order will be issued.
   1. Only changes approved by manufacturer/Delaware Engineering in advance will be considered for payment.
   2. Extra work completed without prior approval shall be considered incidental and at no additional cost to manufacturer/Delaware Engineering or the Owner.

PART 2 – PRODUCTS (not used)
PART 3 – EXECUTION (not used)

END OF SECTION

This page is intentionally left blank.