



Addendum

Saranac Lake Central School District
Saranac Lake, New York

SED NO. 16-14-01-06-0-013-008
16-14-01-06-0-006-006
16-14-01-06-0-002-021
16-14-01-06-0-014-012
16-14-01-06-5-001-004

Reconstruction to
Bloomingdale Elementary School
Lake Colby School
Petrova Avenue School
Saranac Lake High School
Bus Garage

Tt Project No. 130293-15002

BID Addendum No. 1
to
Drawings and Project Manual

February 23, 2018

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated August 4, 2017.

PROJECT MANUAL dated August 4, 2017.

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of (2) pages and the following:

ATTACHMENTS

REQUEST FOR INFORMATION QUESTIONS/ANSWERS

REISSUED PROJECT MANUAL SECTIONS

SECTION 01 12 00 – MULTIPLE CONTRACT PROJECT SUMMARY – PROJECT SCHEDULE

PROJECT MANUAL MODIFICATIONS

ITEM I-C-1: Refer to SECTION 00 21 13 – INSTRUCTIONS TO BIDDERS

1. Article 1, Item 5, ADD the following:

“c. Mr. Johnson will also be available on site at 9:00 AM on Tuesday, February 27, 2018 for additional access to the project site.”

ITEM 1-C-2: Refer to GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (AIA DOCUMENT A232-2009)

1. Paragraph 9.8.1, ADD the following after the first sentence:

“Substantial Completion shall not be deemed to exist until the Owner receives a Certificate of Occupancy for the Project (or such portion as elected by Owner) if such Certificate of Occupancy is required, and any other permits, approvals, licenses and any other documents from governmental authorities having jurisdiction therefore necessary for the beneficial occupancy of the project and the Contractor, Architect and Owner have agreed upon a schedule to provide the Owner with all as built drawings, operating manuals and warranties. Warranties called for by the Agreement or by the Drawings and Specifications shall commence on the date of Substantial Completion of the Project or designated portion thereof, or any later date that the parties agree. This date shall be established by a Certificate of Substantial Completion signed by the Owner, Architect and Contractor and shall state their respective responsibilities for security, maintenance, heat utilities, damage to the Work and insurance. This Certificate shall also list the items to be completed or corrected together with a price for each item and a time for their completion and correction.”

ITEM 1-C-3: Refer to SECTION 01 12 00 – MULTIPLE CONTRACT PROJECT SUMMARY – PROJECT SCHEDULE

1. DELETE section in its entirety and, ADD new section attached to this addendum.

DRAWING MODIFICATIONS - ABATEMENT

ITEM 1-C-4: Refer to DRAWING AB100

1. Keynote “N”, DELETE from Corridor C001 at the cross-corridor doors in its entirety.

ITEM 1-C-5: Refer to DRAWING AB101, AB102 and AB300

1. Floor Tile Abatement Notes, ADD the following note:

“5. PERFORM THE MASTIC REMOVAL VIA MECHANICAL/MANUAL METHODS ONLY. NO CHEMICAL MASTIC REMOVAL PRODUCTS ARE ALLOWED.”

END OF ADDENDUM



INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO INE.SaranacLake@tetrattech.com

TAE Project No.: 130293-15002

Date:

Project Name: Reconstruction at Saranac Lake High School, Petrova Avenue School, Bloomingdale Elementary School, Saranac Lake Bus Garage, Lake Colby School

Bidder Contact Person: Brittnie

Bidder Phone: (518) 483-9777

Bidder Email Address: Brittnie.Mulverhill@dawelectric.com

Question Pertains to:

Drawing Number:

Plan Area:

Room Number:

Drawing Detail Number:

Specification Section:

Question: (Please be specific)

1) Please verify the liquidated damages?

2) Please verify the estimated contract amounts?

Review by Architect/Engineers:

Reponed By: CM Date: 2/16/18

- 1) There are no liquidated damages.
- 2) Refer to attachment for estimated construction costs.

Submit requests not less than 5 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.

Construction Cost Estimate

Saranac Lake Central School District
Reconstruction to
Saranac Lake High School
Petrova Avenue School
Lake Colby School
Bloomingdale Elementary School
Bus Garage
Project No. 130293-15002

Contract

Estimate

Site Work	\$1,200,000.00
General Work.....	\$2,500,000.00
Mechanical Work.....	\$1,400,000.00
Electrical Work	\$2,200,000.00
Plumbing Work.....	\$ 85,000.00



INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO INE.SaranacLake@tetrattech.com

TAE Project No.: 130293-15002

Date: 2/23/2018

Project Name: Reconstruction at Saranac Lake High School, Petrova Avenue School, Bloomingdale Elementary School, Saranac Lake Bus Garage, Lake Colby School

Bidder Contact Person: Eric Deyo-Rugh
Bidder Phone: 518 834 4617
Bidder Email Address: eric@fullerexcavating.com

Question Pertains to: Structures (spec section not found in spec book)

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

Can you please provide contractor (site) with the structures (pre-cast) specification section?
Please advise.

Review by Architect/Engineers: _____ **Reponed By:** PLP **Date:** 2/23/18

Refer to Project Manual Section 33 41 00, Storm Utility Drainage Piping for specifications regarding precast structures and other storm drainage materials.

Submit requests not less than 5 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.

SECTION 01 12 00 - MULTIPLE CONTRACT PROJECT SUMMARY-PROJECT SCHEDULE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes:
 - 1. Project information.
 - 2. Work covered by Contract Documents.
 - 3. Construction schedule.
 - 4. Requirements and assignments for each Contract.
 - 5. Access to site.
 - 6. Coordination with occupants.
 - 7. Work restrictions.
 - 8. Phasing and scheduling details attached to this section.
- B. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- C. Each Contractor is responsible to review all Drawings and Specifications for every contract to gain a complete understanding and knowledge of the entire Project, to determine how the work of each contract is to interface with every other contract.

1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction; and all exterior joints are sealed.

1.4 PROJECT INFORMATION

- A. Project Identification: Reconstruction to: Saranac Lake High School, Petrova Avenue School, Bloomingdale Elementary School, Saranac Lake Bus Garage and Lake Colby School .
 - 1. Project Location:
 - a. Saranac Lake High School, 79 Canaras Avenue, Saranac Lake, New York
 - b. Petrova Avenue School, 141 Petrova Avenue, Saranac Lake, New York
 - c. Bloomingdale Elementary School, 93 Main Street, Bloomingdale, New York
 - d. Lake Colby School, 26 Trudeau Road, Lake Colby, New York
 - e. Saranac Lake Bus Garage, 1380 NYS Route 3, Saranac Lake, New York

- B. Owner: Board of Education of Saranac Lake Central School District.
 - 1. Address: 79 Canaras Avenue, Saranac Lake, New York, 12983.
- C. Architect: Tetra Tech Engineers, Architects & Landscape Architects, P.C., d/b/a Tetra Tech Architects & Engineers.
 - 1. Address: Cornell Business & Technology Park, 10 Brown Road, Ithaca, New York 14850.
- D. Construction Manager: Construction Associates, LLC.
 - 1. Address: 2731 Brundage Road, Baldwinsville, New York 13027.
 - 2. Construction Manager has been engaged for this Project to serve as an advisor to Owner and to provide assistance in administering the Contract for Construction between Owner and each Contractor, according to a separate contract between Owner and Construction Manager.
- E. Building Code in Effect for Project: New York State Uniform Fire Prevention and Building Code and the Energy Conservation Construction Code of New York State.
 - 1. Comply with the following: New York State Energy Conservation Code and the building standards of the New York State Education Department.

1.5 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of the Project is defined by the Contract Documents and consists of the following:
 - 1. Reconstruction work including sitework at Saranac Lake High School and Petrova Avenue School. Reconstruction work at Bloomingdale Elementary School, Saranac Lake Bus Garage and Lake Colby School.
- B. Type of Contract:
 - 1. The Work shall be constructed under a multi-prime contract format, using AIA Document A232-2009, General Conditions of the Contract for Construction, Construction Manager-Advisor Edition.
 - 2. The Work is being accomplished by utilizing a sequentially phased multiple prime contract procedure. Contracts for this Project include the following:
 - a. General Contract.
 - b. Plumbing Contract.
 - c. Mechanical Contract.
 - d. Electrical Contract.
 - e. Site Contract.
- C. All work to be in strict accordance with the bidding documents and specifically this scope of work and the Instructions to Bidders.

- D. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.
- E. In each case, the Contractors agree to accept the sites, as they exist and to remove any encumbrances, which interfere with proper fulfillment of the Work, without change in the Contract Sum.
- F. Accommodate the Owner's intention to conduct normal school operations in accordance with the whole Project schedule.
- G. Each Prime contract will be required to perform work, simultaneously, at all separate work sites.

1.6 CONSTRUCTION SCHEDULE

- A. The Work shall be conducted in accordance with the Milestone Schedule and Phasing Plans that can be found attached to the end of this Specification Section.
 - 1. Substantial Completion date: August 30, 2019.
- B. All Contractors understand that time is of the essence and will adequately staff the job to successfully complete the Contract Work in accordance with the project schedule and milestone dates. Each Contractor's proposal is to be predicated on the project schedule milestone completion dates contained in the bidding documents. All costs associated with schedule recovery shall be at the Contractor's expense for failure to meet schedule dates.
- C. Each Prime Contractor shall coordinate work with the Owner, other Prime Contractors at the site, and all of its subcontractors, where sequencing and delineation of responsibility is involved, if applicable.
- D. All Contractors are required to coordinate their work with that of the other trades and to take all measures necessary to maintain a continuous operation of all systems associated with the phasing drawings.

1.7 REQUIREMENTS FOR EACH CONTRACT

- A. Included in Each Contract:
 - 1. In addition to specific responsibilities indicated in this Section, each contract is responsible to provide the following for its own work:
 - a. Construction layout.
 - b. Sleeves.
 - c. Anchor bolts.
 - d. Hangers and supports for piping, equipment, and systems.
 - e. Equipment pads.
 - f. Cutting and patching.
 - g. Through-penetration firestopping.

2. Provide materials and comply with installation requirements specified in Sections other than Contractor's own designated Specification Sections for above-listed items, as applicable.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the work.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section, each contractor is responsible for the following:
1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
 2. Temporary utilities, as follows:
 - a. Drinking water for its own construction personnel.
 - b. Provisions for dust, fume and odor control for its own activities.
 - c. Supplemental heating, cooling, and ventilation necessary exclusively for its own activities.
 - d. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 3. Support facilities, as follows:
 - a. Its own field office, complete with necessary furniture, and telephone service.
 - b. Its own storage sheds.
 - c. Traffic controls for its own construction activities.
 - d. Dewatering facilities and drains for its own construction activities.
 - e. Waste disposal facilities for collection and legal disposal of its own hazardous waste materials.
 - f. Shoring and bracing for its own construction activities.
 - g. Staging and scaffolding for its own construction activities.
 - h. Lifts and hoists for its own construction activities.
 4. Security and protection facilities, as follows:
 - a. Environmental protection for its own construction activities.
 - b. Temporary erosion and sedimentation control for its own construction activities.
 - c. Security enclosure and lockup of its own tools, materials, and equipment.
 - d. Temporary enclosures for its own construction activities.
 - e. Temporary fire protection for its own construction activities.
 5. Moisture and mold control.
 6. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
- D. Cleaning and Protection: Each contractor is responsible for the following:
1. Progress cleaning of work areas affected by its operations on a daily basis.

2. Protection of its own installed construction.
 3. Final cleaning of its work and of work areas affected by its operations.
- E. All Contractor's will supply administration, supervision, labor, materials, tools, incidentals, equipment, appliances, layout, delivery, trucking, shop drawings, submittals, quality assurance, quality control, safety monitoring, engineering, scaffolding, hoisting, rigging, insurances, bond costs, overhead, profit, and expenses to produce the construction required by the bidding and contract documents, complete in all respects.
- F. All Contractors will provide a dedicated, full time, on-site supervisor, authorized to make decisions to keep work moving expeditiously, from commencement of their work activities until work is completed or such time as determined by the Construction Manager. This Supervisor must be present on site when any sub-contractor work is being performed. If supervision is reduced or terminated without the consent of the Construction Manager, the Construction Manager will appoint an individual to manage work under this Contract with all costs borne by this Contractor. The Contractor shall continue to assume all responsibilities for the individual and the work of this Contract.

1.8 CONTRACT ASSIGNMENTS

- A. Contract Assignments: In addition to specific responsibilities indicated in this Section, the contracts noted below are assigned certain responsibilities, as follows:
1. Excavation 5'-0" outside the building limits shall be performed by the Site Contract. With the exception of stairs directly adjacent to the building, which shall be the full responsibility of the General Contract (GC).
 2. Excavation within the building limits and extending to 5'-0" outside the building limits shall be performed by each Prime Contractor responsible for said Work. With the exception of stairs directly adjacent to the building, which shall be the full responsibility of the General Contract (GC).
 3. Blocking for the work of each contract shall be the responsibility of each Prime Contractor for said Work. Roof blocking shall be the sole responsibility of the General Contract (GC).
 4. Openings in walls, floors and roofs:
 - a. In new surfaces: Providing openings, including lintels and structural framing shall be the work of the General Contract. Each contract is responsible for identifying opening sizes and locations for its own work and advising the General Contractor of such, in writing, in a timely manner.
 - b. In existing surfaces: Providing openings, including lintels and structural framing, shall be the responsibility of the General Contractor. Each Prime Contractor shall be responsible for coordinating proper locations and sizes with the General Contractor. General Contractor shall be responsible to patch adjacent surfaces to match the existing conditions.

- c. Size lintels and structural framing for openings in accordance with the information on the Drawings.
 - d. Provide openings by personnel experienced in work similar to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
5. Furnishing of access panels for the work of each contract shall be the work of each contract for its own work.
- a. In new surfaces: Installing access panels shall be the work of the General Contract.
 - b. In existing surfaces: Installing access panels shall be the work of each contract for its own work.
6. Furnishing roof-mounted equipment curbs for the work of each contract shall be the work of each contract for its own work.
- a. Installing roof-mounted equipment curbs (including flashing and sealing) shall be the work of the General Contract.
7. Furnishing vandal-resistant roof vent caps and roof drain clamping ring, adjustable extensions and dome strainers, shall be the work of the Plumbing Contract.
- a. Installing vandal-resistant roof vent caps and roof drain clamping ring, adjustable extensions and dome strainers shall be the work of the General Contract.
8. Painting for the work of each contract shall be the work of the General Contract, except as follows:
- a. Identification painting (such as for piping and equipment) for the work of each contract shall be the work of each contract for its own work.
9. Furnishing of linear grilles for the casework shall be by the Mechanical Contractor and installed by the General Contractor. General Contractor shall coordinate sizes and locations with the Mechanical Contractor prior to the casework submittals being provided for review and approval.
10. Furnishing mechanical louvers and grilles for exterior walls shall be the work of the Mechanical Contract.
- a. Installing louvers and grilles for exterior walls (including flashing and sealing) shall be the work of the General Contract.
11. Furnishing motor starters for the work of each contract shall be the work of each contract for its own work.
- a. Installing constant speed motor starters shall be the work of the Electrical Contract.
 - b. Installing Variable Frequency Motor Controllers shall be the work of each contract for its own work.

12. Providing automatic door operators shall be the work of the General Contract, including installing control wiring from activation device (push-plate switch) to operator.
 - a. Providing power to operator shall be the work of the Electrical Contract.
 13. Contractors' Preliminary Construction Schedule: At the Preconstruction Conference, the General Contractor shall submit a preliminary horizontal bar-chart-type construction schedule in accordance with Division 01 Section "Construction Progress Documentation". At the initial progress meeting, each contract shall submit a matching preliminary horizontal bar-chart schedule showing construction operations sequenced and coordinated with overall construction in accordance with Division 01 Section "Construction Progress Documentation".
 - a. The schedules shall be mutually coordinated by the contractors, and the General Contractor shall perform the administrative task of producing a composite master schedule and distributing to Architect, Construction Manager, Owner, separate contractors, testing and inspecting agencies, and other parties with a need-to-know schedule responsibility.
 14. Contractors' Construction Schedules: At intervals provided in Division 01 Section "Construction Progress Documentation", each contract shall update its schedule, from which the General Contractor shall produce a composite master schedule.
 - a. The General Contractor shall distribute composite master schedules to Architect, Construction Manager, Owner, separate contractors, testing and inspecting agencies, and other parties with a need-to-know schedule responsibility.
 15. Provide materials and comply with installation requirements specified in Sections other than Contractor's own designated Specification Sections for above-listed items, as applicable.
- B. Field Engineering and Surveying: The General Contract is responsible for field engineering and surveying for all building work. The Site Contractor is responsible for field engineering and surveying for all site work.
- C. Waste Disposal and Recycling Facilities: For debris not classified as hazardous waste, the General Contract is responsible for providing waste-collection and recycling containers, including all costs for hauling, tipping fees, and placement on site.
1. Each contractor is responsible for daily collection of its own waste materials and disposal into the waste-collection containers that are provided by each Prime Contractor.
 2. Each contractor is responsible for daily collection of its own recyclable waste and disposal into recycling containers or bins provided by each Prime Contractor, as well as daily inspection of containers or bins for contamination and removal of contaminated materials.

1.9 GENERAL CONTRACT REQUIREMENTS

- A. Unless noted otherwise, Work in the General Contract includes, but is not limited to, that shown on the following Drawings:
1. Title Sheets.
 2. Symbols and Abbreviations (SA) Drawings.
 3. Code Compliance (CC and CCL) Drawings.
 4. Abatement (AB) Drawings.
 5. Structural (S) Drawings.
 6. Architectural (A) Drawings.
- B. Unless noted otherwise, Work in the General Contract includes, but is not limited to, that covered by the following Specifications:
1. Division 01 (General Requirements) Specification sections.
 2. Division 02 (Existing Conditions) Specification sections, except the following:
 - a. 02 65 00 Underground Storage Tank Permanent Closure
 3. Division 03 (Concrete) Specification sections, except the following:
 - a. 03 48 10 Precast Concrete Lighting Pole Bases
 4. Division 04 (Masonry) Specification sections.
 5. Division 05 (Metals) Specification sections.
 6. Division 06 (Wood, Plastics and Composites) Specification sections.
 7. Division 07 (Thermal and Moisture Protection) Specification sections.
 8. Division 08 (Openings) Specification sections.
 9. Division 09 (Finishes) Specification sections.
 10. Division 10 (Specialties) Specification sections.
 11. Division 11 (Equipment) Specification sections.
 12. Division 12 (Furnishings) Specification sections.
- C. Temporary facilities and controls in the General Contract include, but are not limited to, the following:
1. Temporary utilities, as follows:
 - a. Sanitary facilities.

2. Support facilities, as follows:
 - a. Snow and ice removal.
 - b. Project signs.
 - c. Waste disposal facilities.
 - d. Recyclable waste disposal facilities.

3. Security and protection facilities, as follows:
 - a. Environmental protection.
 - b. Stormwater control (as it relates to the new Tech Corridor addition).
 - c. Tree and plant protection (as it relates to the new Tech Corridor addition).
 - d. Pest control.
 - e. Site enclosure fence (Where indicated on Phasing Plan)
 - f. Security enclosure and lockup.
 - g. Barricades and warning signs.
 - h. Temporary railings.
 - i. Temporary egress.
 - j. Temporary partitions.
 - k. Temporary fire-protection facilities.
 - l. Temporary window infills during window abatement //

4. Restoration of Owner's existing facilities used as temporary facilities.

5. Any equipment, conduit, piping, etc., that shall be mechanically fastened to existing surfaces that are indicated to be asbestos containing materials and are to remain, shall be the responsibility of the General Contractor.

6. General Contractor will be responsible for all costs associated with resampling work areas for clearance testing that fail the initial test.

1.10 PLUMBING CONTRACT REQUIREMENTS

- A. Unless noted otherwise, Work in the Plumbing Contract includes, but is not limited to, that shown on the following Drawings:
 1. Title Sheets.
 2. Symbols and Abbreviations (SA) Drawings.
 3. Code Compliance (CC and CCL) Drawings.
 4. Plumbing (P) Drawings.

- B. Unless noted otherwise, Work in the Plumbing Contract includes, but is not limited to, the following:
 1. Division 01 (General Requirements) Specification sections.
 2. Division 02 (Existing Conditions) Specification sections as follows:
 - a. 02 41 19 Selective Structure Demolition

- b. 02 65 00 Underground Storage Tank Permanent Closure
 - c. 02 83 00 Lead Safe Work Practices
 - 3. Division 03 (Concrete) Specification sections, as follows:
 - a. 03 30 00 Cast-in-Place Concrete, as required for the Work of this Contract
 - 4. Division 05 (Metals) Specification sections, as follows:
 - a. 05 50 00 Metal Fabrications, as required for the Work of this Contract
 - 5. Division 07 (Thermal and Moisture Protection) Specification sections, as follows:
 - a. 07 21 00 Thermal Insulation, as required for the Work of this Contract.
 - b. 07 84 13 Penetration Firestopping, as required for the Work of this Contract.
 - c. 07 92 00 Joint Sealants, as required for the Work of this Contract.
 - 6. Division 08 (Openings) Specification sections, as follows:
 - a. 08 31 13 Access Doors and Frames, as required for the Work of this Contract.
 - 7. Division 09 (Finishes) Specification sections, as follows:
 - a. 09 91 00 Painting, as required for the Work of this Contract.
 - 8. Division 22 (Plumbing) Specification sections.
- C. Temporary facilities and controls in the Plumbing Contract include, but are not limited to, the following:
- 1. Temporary utilities, as follows:
 - a. Water service.
 - 2. Support facilities, as follows:
 - a. Waste disposal facilities.
 - b. Recyclable waste disposal facilities.
 - 3. Water Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for use by all entities for construction operations, with the exception of the Site Work. Site Contractor shall be responsible for temporary water as required for Site Work.
 - 4. Restoration of Owner's existing facilities used as temporary facilities.

1.11 MECHANICAL CONTRACT REQUIREMENTS

A. Unless noted otherwise, Work in the Mechanical Contract includes, but is not limited to, that shown on the following Drawings:

1. Title Sheets.
2. Symbols and Abbreviations (SA) Drawings.
3. Code Compliance (CC and CCL) Drawings.
4. Mechanical (M) Drawings.

B. Unless noted otherwise, Work in the Mechanical Contract includes, but is not limited to, the following:

1. Division 01 (General Requirements) Specification sections.
2. Division 02 (Existing Conditions) Specification sections, except the following:
 - a. 02 65 00 Underground Storage Tank Permanent Closure.
 - b. 02 82 00 Asbestos Abatement
 - c. 02 84 00 Hazardous Material Removal
3. Division 03 (Concrete) Specification sections, as follows:
 - a. 03 30 00 Cast-in-Place Concrete, as required for the Work of this Contract
4. Division 05 (Metals) Specification sections, as follows:
 - a. 05 50 00 Metal Fabrications, as required for the Work of this Contract
5. Division 07 (Thermal and Moisture Protection) Specification sections, as follows:
 - a. 07 21 00 Thermal Insulation, as required for the Work of this Contract.
 - b. 07 84 13 Penetration Firestopping, as required for the Work of this Contract.
 - c. 07 92 00 Joint Sealants, as required for the Work of this Contract.
6. Division 08 (Openings) Specification sections, as follows:
 - a. 08 31 13 Access Doors and Frames, as required for the Work of this Contract.
7. Division 09 (Finishes) Specification sections, as follows:
 - a. 09 91 00 Painting, as required for the Work of this Contract.
8. Division 23 (Heating, Ventilating and Air Conditioning) Specification sections.
9. Division 26 (Electrical) Specification sections, as required for coordination with and proper execution of the work of this Contract.

- C. Temporary facilities and controls in the Mechanical Contract include, but are not limited to, the following:
 - 1. Support facilities, as follows:
 - a. Waste disposal facilities.
 - b. Recyclable waste disposal facilities.

1.12 ELECTRICAL CONTRACT REQUIREMENTS

- A. Unless noted otherwise, Work in the Electrical Contract includes, but is not limited to, that shown on the following Drawings:
 - 1. Title Sheets.
 - 2. Symbols and Abbreviations (SA) Drawings.
 - 3. Code Compliance (CC and CCL) Drawings.
 - 4. Electrical (E) Drawings.
- B. Unless noted otherwise, Work in the Electrical Contract includes, but is not limited to, the following:
 - 1. Division 01 (General Requirements) Specification sections.
 - 2. Division 02 (Existing Conditions) Specification sections, except the following:
 - a. 02 65 00 Underground Storage Tank Permanent Closure
 - b. 02 82 00 Asbestos Abatement
 - c. 02 84 00 Hazardous Material Removal
 - 3. Division 03 (Concrete) Specification sections, as follows:
 - a. 03 30 00 Cast-in-Place Concrete
 - b. 03 48 10 Precast Concrete Lighting Pole Bases
 - 4. Division 05 (Metals) Specification sections, as follows:
 - a. 05 50 00 Metal Fabrications, as required for the Work of this Contract.
 - 5. Division 06 (Wood, Plastics and Composites)
 - a. 06 10 53 Miscellaneous Rough Carpentry.
 - 6. Division 07 (Thermal and Moisture Protection) Specification sections, as follows:
 - a. 07 21 00 Thermal Insulation, as required for the Work of this Contract.
 - b. 07 84 13 Penetration Firestopping, as required for the Work of this Contract.
 - c. 07 92 00 Joint Sealants, as required for the Work of this Contract.
 - 7. Division 08 (Openings) Specification sections, as follows:
 - a. 08 31 13 Access Doors and Frames, as required for the Work of this Contract.

8. Division 09 (Finishes) Specification sections, as follows:
 - a. 09 91 00 Painting, as required for the Work of this Contract
 9. Division 26 (Electrical) Specification sections:
 10. Division 27 (Communications) Specification sections.
 11. Division 28 (Electronic Safety and Security) Specification sections.
- C. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
1. Temporary utilities, as follows:
 - a. Electric power service and distribution.
 - b. Lighting, including site lighting.
 2. Electric Power Service from Permanent Existing System: Electric power from permanent existing system is available for use. Provide metering, connections and extensions of services as required for construction operations. Separate metering for field offices from that for other construction purposes.
 - a. Construction Use Charges: Arrange for electric power service use charges for construction purposes to be billed directly from power company to Owner.
 - b. Field Office Use Charges: Arrange for electric power service use charges for construction purposes to be billed directly from power company to Owner.
 - 1) Maximum one 100 A, 240 V, single-phase connection per construction field office. Assume a diversified peak connected load factor of 12 kW.
 - 2) Maximum number of construction field offices: One per contract.
 3. During the replacement of the MDP, the Electrical Contractor shall provide external generators as a temporary means of power throughout the entirety of this scope of Work. The temporary generators are as follows:
 - a. High School: (2) 45 kW generators will be required as there are (2) virtual electric services. One generator shall be connected to the MDP in Utility 409 (C Wing). The second generator will interconnect to the SDP in Crawl Space 28 (A Wing).
 - b. Petrova MS: (1) 45 kW generator will be required to interface into the existing MDP.
 - c. The Electrical Contractor shall provide the necessary labor and materials to transfer these items over to the temporary generator as part of their base bid.
 4. Restoration of Owner's existing facilities used as temporary facilities.

- D. Support facilities, as follows:
 - 1. Waste disposal facilities.
 - 2. Recyclable waste disposal facilities.

1.13 SITE WORK CONTRACT REQUIREMENTS

- A. Unless noted otherwise, Work in the Site Work Contract includes, but is not limited to, that shown on the following Drawings:
 - 1. Title Sheets.
 - 2. Symbols and Abbreviations (SA) Drawings.
 - 3. Code Compliance (CC and CCL) Drawings.
 - 4. Civil (C) Drawings.

- B. Unless noted otherwise, Work in the Site Contract includes, but is not limited to, that covered by the following Specifications:
 - 1. Division 01 (General Requirements) Specification sections.
 - 2. Division 02 (Existing Conditions) Specification sections, except the following:
 - a. 02 65 00 Underground Storage Tank Permanent Closure
 - b. 02 82 00 Asbestos Abatement
 - c. 02 83 00 Lead-Safe Work Practices
 - d. 02 84 00 Hazardous Materials Removal
 - 3. Division 31 (Earthwork) Specification sections.
 - 4. Division 32 (Exterior Improvements) Specification sections.
 - 5. Division 33 (Utilities) Specification sections.

- C. Temporary facilities and controls in the Site Contract include, but are not limited to, the following:
 - 1. Security and protection facilities, as follows:
 - a. Environmental protection.
 - b. Stormwater control.
 - c. Tree and plant protection.
 - d. Pest control.
 - e. Site enclosure fence (Construction fencing as outlined in the Contract Drawings).
 - f. Water service.

1.14 ACCESS TO SITE

- A. General: Contractor(s) shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.

- B. Use of Site: Limit use of Project site to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Driveways, Walkways and Entrances: Keep driveways, loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- C. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.
- D. Locations of trailers, storage areas, parking areas, building access points, and staging areas shall be coordinated with the Owner, Construction Manager, and Architect.
- E. Maintain the existing condition of public roads & sidewalks adjacent to the project. This will include the daily removal of construction debris i.e. garbage, etc., from the surrounding properties, public sidewalks, and roads.
- F. Each Contractor to provide their own storage onsite as required for their scope of work. Location of storage will be at the direction of the Construction Manager. The Owner's existing facilities are not to be used for storage without written approval from the Owner.

1.15 COORDINATION WITH OCCUPANTS

- A. Owner Occupancy: Owner will occupy site and existing building(s) during entire construction period with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.
 - 1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Construction Manager and approval of authorities having jurisdiction.
 - 2. Maintain in operation all life safety provisions and devices (including, but not limited to, fire alarms, fire extinguishers, smoke detectors, heat sensors, emergency and exit lighting, defibrillators, and similar items).
 - 3. Notify the Construction Manager in writing not less than 72 hours in advance of activities that will affect Owner's operations.
 - 4. Do not load structures with weight that will endanger structure.

5. Move, at the Contractor's cost, any stored materials, products or equipment which interfere with operations of Owner or others, or as directed by the Construction Manager.
6. Special Owner Requirements / Partial Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building, prior to Substantial Completion provided that such occupancy does not interfere with completion of the Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.

B. Coordination with School Schedule:

1. Normal School Year: Owner intends to maintain a full educational program during the normal school year throughout duration of Project, and will make full use of the building and site, unless noted otherwise.
 - a. School and special activities may be conducted within building and on site outside regular school hours, including holidays and weekends.
 - b. Owner's personnel will perform normal custodial and maintenance services for the building areas and systems not involved in construction activities, unless noted otherwise.
2. Summer: Owner may schedule a summer school program or organized recreation activities at the building or site.
 - a. Owner will staff building, at a minimum, with administrative, custodial and maintenance personnel during summer period.

1.16 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Limit work to normal business working hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, except as otherwise indicated. Movement of materials is not permitted in Owner-occupied areas during normal business working hours.

1. Other Weekday Hours: Not permitted without prior written authorization from Owner's Representative.
2. Weekend Hours: Not permitted without prior written authorization from Owners Representative.
3. Hours for Noisy Activity (in excess of 60 dB): Between 7:00 a.m. and 5:00 p.m. when school is not in session, between 5:00 a.m. and 7:00 a.m. as well as 3:00 p.m. and 5:00 p.m. when school is in session.

C. It is the responsibility of each Contractor to carefully interface all construction operations until they reach their final completion, so the Owner's programs and services can be carried on without interruptions.

- D. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
1. Notify Construction Manager in writing not less than 72 hours in advance of proposed utility interruptions.
 2. Obtain Construction Manager's written permission before proceeding with utility interruptions.
- E. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy.
1. Notify Construction Manager in writing not less than 72 hours in advance of proposed disruptive operations.
 2. Obtain Construction Manager's written permission before proceeding with disruptive operations.
- F. Indoor Air Quality (IAQ): Protect indoor air quality, including control of emissions and moisture control during construction. Develop a construction IAQ management plan to be followed.
1. Control of Emissions: Provide measures and conduct operations to:
 - a. Protect HVAC systems.
 - b. Protect against emissions from such sources as environmental tobacco smoke, combustion contaminants, biological contaminants, volatile organic compounds (VOCs), formaldehyde, soil gases, pesticides, particles and fibers.
 - c. Provide low- and zero-VOC materials.
 - d. Protect against dust infiltration, especially during dust-producing activities.
 - e. Isolate work areas to prevent contamination of clean or occupied spaces.
 - f. Continuously maintain and regularly inspect areas and IAQ measures to prevent contamination of building areas.
 - g. Provide adequate ventilation, including, but not limited to:
 - 1) Minimum 48-hour pre-ventilation of packaged dry products which have odors or VOC emissions, prior to installation. Condition products without containers and packaging to maximize off-gassing of VOCs off-site.
 - 2) Adequate ventilation during and after installation of interior wet products and interior final finishes, and
 - 3) Appropriate air filtration, including filter replacement.

- h. Schedule construction operations involving wet products prior to packaged dry products to the greatest extent possible.
 - i. Vacuum carpeted and soft surfaces with a high-efficiency particulate arrestor (HEPA) vacuum.
 - j. Flush out building for a minimum of 72 hours, or longer if required to dissipate emissions, prior to occupancy.
2. Moisture Control: Provide measures and conduct operations to:
- a. Provide proper housekeeping to keep materials dry.
 - b. Inspect areas and materials for dampness and mold growth.
 - c. Schedule construction operations so that absorptive materials are protected and weather-proof building as quickly as possible.
 - d. Test for moisture content, moisture penetration and microbial growth to maintain within permissible limits.
- G. Comply with requirements in Division 01 Section “Governmental Safety Requirements”
- H. All Contractors shall provide their workers with photo identification badges which shall be displayed on their person at all times while school is in session.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION 01 12 00

Attachments:

Milestone Schedule
Phasing Plans