DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. 47219

CONSTRUCTION WORK
REHABILITATE DRYDEN LAKE
OUTLET DAM
DRYDEN LAKE OUTLET DAM
DRYDEN, NY

November 20, 2026

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. SECTION 316216 STEEL SHEET PILES: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 316216 – 1 thru 316216 – 5) noted "Addendum 1-2 Revised 11/19/2026".

2. SECTION 329120 TOPSOIL: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 329120 – 1 thru 329120 – 7) noted "Addendum 1-1 Revised 11/19/2026".

END OF ADDENDUM

Brady M. Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 316216

STEEL SHEET PILES

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Geotechnical Data: Section 003132.

B. Cast-In-Place Concrete: Section 033000.

C. Earthwork: Section 310000.

D. Dewatering: Section 312319.

E. Cofferdams: Section 315200.

1.02 REFERENCES

A. American Welding Society (AWS):
   1. AWS D1.1, Structural Welding Code – Steel.
   2. AWS D1.3, Structural Welding Code – Sheet Steel.

B. ASTM International (ASTM)
   1. A328, Standard Specification for Steel Sheet Piling.
   2. A572, Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel.

1.03 SUBMITTALS

A. Submit an Environmental Product Declaration (EPD) from the steel manufacturer for this specification section, if available. A statement of the contractor's good faith effort to obtain the EPD shall be provided if not available.
   a. Manufacturer-provided EPDs must be Product Specific Type III (Third-Party Reviewed), in adherence with ISO 14025 *Environmental labels and declarations*, ISO 14044 *Environmental management – Life cycle assessment*, and ISO 21930 *Core rules for environmental product declarations of construction products and services.*

B. Provide qualifications of the proposed sheet piling installer.

C. Drawings indicating sheet piling configuration, material specifications, and a complete layout plan, including the designated method of installation. These drawings shall be submitted for review and approval before submitting other information identified in this section. Show field fabrication and installation details for sheet piling, including driving points, splices, and field-cut holes.

D. Product Data: Steel sheet piles shall be rolled steel sections of the weight, shape, and length designated on the approved drawings. For each type of product

identified, provide the manufacturer's certification that the sheet pilings satisfy the designated requirements.

E. Mill test reports for the steel sheet piles.

F. Welding certificates for individuals performing field welding of spliced sheet piling.

G. Steel Sheet Pile-Driving Equipment.

H. Splice locations and field cut hole locations, if necessary, must be reviewed and accepted by the Director’s Representative prior to installation.

I. Sheet Pile Driving Records: Provide daily logs and final records, including:
1. General Identification: Sheet pile number and location; material data; date and times.
2. Equipment Data: type of equipment used.
3. Driving Performance: rate of operation and total driving time. Tip elevations, ground elevations, splice elevations, and cut-off elevations.
4. Sealing and Interface Logs: Interlock integrity; plugging/welding; rebar pass-through documentation.
5. Field Deviations: record any unusual pile driving problems during driving, such as obstructions encountered, alignment shifts.

1.04 QUALITY ASSURANCE

A. Installer’s Qualifications: The firm performing the Work of this Section shall have experience installing work similar in material, design, and extent to that indicated for this Project. Sheet piling installer must be able to provide references and experience of similar work for at least 5 years.

B. Welders’ Qualifications: Welding shall be performed only by welders, welding operators, and tackers who have been qualified by tests as prescribed in the AWS Code to perform the type of welding required.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Develop and submit plans for the delivery, storage, and handling of sheet piles and submit them at least 30 days prior to delivery of sheet piles to the site.

B. All materials delivered to the site must be new and undamaged and must be accompanied by certified test reports. Store and handle sheet piling in the manner recommended by the manufacturer to prevent permanent deflection, distortion or damage to the interlocks. Storage of sheet piling should also facilitate required inspection activities and prevent damage to coatings and corrosion protection prior to installation.

PART 2 PRODUCTS

2.01 SHEET PILING

A. Steel sheet piling must be hot-rolled Z-shaped steel sections conforming to the ASTM A 572, Grade 50 Steel. All fabricated specials must be of the same material grade as the sheet piling and provided by the same manufacturer to ensure interlock compatibility.

B. The interlocks of the sheet piling must be free-sliding, provide a swing angle suitable for the intended installation but not less than 5 degrees when interlocked, and maintain continuous interlocking when installed.

C. Sheet piles must be full-length sections of the type and dimensions shown on the Drawings.

D. Lifting Holes:
1. Provide sheet piling with standard factory-made lifting holes.
2. The handling/lifting holes must be plugged by welding a piece of steel over the hole prior to the placement of concrete.

2.02 PILE DRIVING EQUIPMENT

A. Submit complete descriptions of sheet piling driving equipment at least 30 days prior to commencement of work. Descriptive information includes manufacturer's name, model numbers, capacity, rated energy, and hammer details.

B. A driving method using a vibratory hammer is generally preferred for sheet pile installation based on the subsurface profile detailed in Section 003132 Geotechnical Data, but an impact hammer may also be warranted under specific circumstances, requiring approval from the Director's Representative. Provide details on the proposed hammer, hydraulic power packs, clamping assemblies, and other installation appurtenances.

PART 3 EXECUTION

3.01 PREPARATION

A. Verification of Conditions: Verify that site conditions will support the proposed driving equipment.

B. Submit a written description of site-specific pile installation procedures for review and approval. Notify the Director's Representative of intent to drive the sheet piles at least 5 working days before the scheduled start of sheet pile driving.

3.02 PRELIMINARY WORK

A. Pile Length Markings: Mark each pile prior to driving with horizontal lines at one foot intervals. Mark the interval number on pile every 3 feet from pile tip.

B. Earthwork: Perform in accordance with Section 310000 Earthwork. Any excavation, backfill, or compaction required within the area where the sheet pilings are to be driven must be completed prior to placing sheet pilings. The allowable vertical tolerance for the excavated zone is ½ inch above line grade and 2 inches below.

3.03 INSTALLATION

A. General:
1. All welding or gas cutting shall be in accordance with the current standards of the AWS.
2. Sheet piles must be driven to the depths shown on the Drawings.
   a. When a vibratory hammer penetration rate is 1 foot or less per minute, the use of a vibratory hammer must be discontinued.
   b. Virtual refusal is defined as ten (10) blows per inch with an approved pile driving hammer.
   c. An approved pile driving hammer must be used to determine virtual refusal.
   d. The approved pile driving hammer must be operating at the manufacturer's recommended stroke and speed when virtual refusal is measured.

B. Placing and Driving:
1. Pilings properly placed and driven must be interlocked throughout their length with adjacent pilings to form a continuous diaphragm throughout the length of piling wall.
2. Pilings must be carefully located as indicated. The piling must be driven within the following tolerances:
   a. Alignment:
      1) Sheet piling must be driven to form a relatively straight line between the termini points shown on the Drawings.
      2) Horizontal deviation of any point from a straight line connecting the two ends of the wall section must be a maximum of 2 inches.
   b. Plumbness: Piling must be placed plumb with out-of-plumbness not exceeding 1/8 inch per foot of length either in the plane of the wall or perpendicular to the plane of the wall.
   c. Elevation:
      1) Tops of sheet pile sections must be within a tolerance of ½ inch below the plan elevation and 2 inches above.
      2) Contractor shall not be paid for excess sheet pile trimmed off the end of the pile to meet final grade.
3. Provide temporary templates or guide structures to ensure that the pilings are placed and driven to the correct alignment.
4. Submit records of the completed sheet piling driving operations.
5. Maintain hammers in proper alignment during driving operations by use of leads or guides attached to the hammer. Remove and replace pilings damaged during driving or driven out of interlock at the Contractor's expense.
6. Employ a protecting cap in driving if using impact hammers to prevent damage to the tops of pilings.

7. Jetting of piles will not be allowed.
8. Sheet piles shall be driven with the ball-end leading, where possible. To protect the leading interlock, a bolt or plug shall be temporarily fixed to prevent soil from entering and clogging the joint, which would increase friction for the next pile.
9. Sheet piling in each run or continuous length of piling wall must be driven alternately in increments of depth to the required depth or elevation. No piling shall be driven to a lower elevation than those behind it in the same run. Keep the piles aligned correctly and minimize the danger of breaking the interlock between the sheets.
10. Steel sheet piling must be driven to form a tight bulkhead.
11. Care shall be taken during driving to keep from causing deformations of the top of the piles, splitting of sections, or breaking of the interlock between sections. Care shall also be taken during driving to prevent and correct any tendency of steel sheet piles to twist or get out of plumb.

C. Cutoffs:
1. Tops of sheet piling must be cut off or driven down to a straight line at the elevation indicated on the Drawings.
2. If heads of sheet piles are distorted or otherwise damaged below the cut-off level, damaged portions must be removed and replaced at the Contractor's expense.
3. Sheet piles damaged during driving, or driven out of proper position, or below cut-off elevation, must be withdrawn and replaced with new sheet piles at the Contractor's expense.
4. Cut holes in piling for reinforcing steel or bolts, as shown in the contract drawings. Holes must be drilled or may be burned and reamed by approved methods which will not damage the surrounding metal. Holes must be cut only after the piles are driven to the final elevation and accepted. Layout must be marked precisely based on field measurements to ensure alignment with the rebar cage. Holes must be ground smooth to remove slag, burrs, or sharp edges prior to rebar installation. Holes must not be placed within the interlock sections of the piling. The annular space (the gap between the rebar and the cut steel of the sheet pile) must be filled with non-shrink grout. Allow the sealant to fully cure prior to the concrete pour.

D. Disposal:
1. Withdrawn sheet piles and cutoff sections of sheet piles are property of the Contractor and must be removed from the site.

END OF SECTION

SECTION 329120

TOPSOIL

PART 1 GENERAL

1.01 SCOPE

A. All materials shall be approved and on site by Director's Representative before any placement may begin.

B. This specification covers the material requirements for topsoil for use in turf establishment. The Contractor shall provide all materials needed for topsoil, testing, blending and placement meeting the latest NYS DOT Topsoil 713-01 requirements and NYSDOT Compost 713-15 requirements.

1.02 RELATED WORK AS SPECIFIED ELSEWHERE:

A. Erosion and Sediment Control: Section 312513.

B. Seeding: Section 329219.

C. Earthwork: Section 310000.

1.03 SUBMITTALS

A. Topsoil for Testing (for imported topsoil):

a. In the presence of the Director's Representative, take a 5 lb sample from each 1000 cu yds of topsoil to be used on the project. Submit to the Director's Representative the laboratory test as per NYSDOT 713-01 testing. These tests will be performed and signed by a certified soils laboratory.

b. Provide topsoil testing from a certified NYS DOT approved lab per the NYSDOT testing section below that topsoil requirements have been met.

c. Submit for approval clarifying types of topsoil to be used: if existing topsoil, manufactured or imported topsoil or a combination of the these, will be used.

d. Submit that all topsoil and compost stockpile will be clearly labeled with durable weather waterproof materials (existing topsoil, manufactured/imported topsoil, blended topsoil, compost).

B. Blending: Submit for approval how and where Topsoil and Compost blending will be done. Both onsite and offsite blending locations must be submitted for approval. The Contractor shall let the Director's Representative know at least 3 days ahead of any blending. The Director's Representative shall then notify DEC a minimum of 3 days ahead of blending so the blending process may be observed by staff.

For this project, blended topsoil must be done at a ratio of 3:1, three parts Topsoil (existing, imported or a combination thereof) to one part Compost to achieve a well blended topsoil.

Topsoil and Compost shall be mixed/turned a minimum of five times to thoroughly combine to be a well blended topsoil. The Director's representative shall be present for blending and approve the labeled blended topsoil pile. Inspections can be done at any time and corrections shall be made per the Director's representative so that quality blended topsoil is achieved.

C. Compost:
   a. Submit US Composting Council STA report that is fully completed by a supplier listed in this specification.
   b. Provide brief dated letter from supplier, on supplier letterhead, that this material meets the latest requirements for NYS DOT Compost 713-01 for Type A Compost for Turf Establishment, is derived from yard waste such as grass clippings, non-invasive plant material, leaves and equally compostable organic material, and that this supplier can provide material per the STA test report to meet this named project schedule.
   c. Once a and b above are submitted/approved, submit a Compost sample in sealed quart size bag representing the approved STA test report for US Compost Council testing as per Organic material / compost specification. **NOTE: Begin the Compost submittal process immediately after Notice to Proceed as it is a time sensitive product.**

1.04 QUALITY ASSURANCE

A. Imported topsoil used on this project shall be tested and approved before placement.

B. Secure approval before stripping topsoil from a borrow area or delivering topsoil to the project site.

C. Designate and clearly label with waterproof materials each existing topsoil, imported topsoil, compost, and blended topsoil/compost stockpiles onsite. Place and secure tarps and protection fencing around stockpiles for periods of extended work season as directed to maintain quality of materials.

PART 2 PRODUCTS

2.01 TOPSOIL

A. All materials to meet the requirements of the latest NYSDOT Material Specifications 713-01 Topsoil and 713-15 Compost.

B. Topsoil may be naturally occurring or may be manufactured. If naturally occurring topsoil exists on the site it shall be the surface layer of soil at a depth specified in the contract documents or approved by the Director's Representative. Manufactured topsoil is a mixture of materials comprised of a mineral (soil) component that by itself does not exhibit the properties and characteristics of topsoil, an organic material component consisting of compost(s) meeting the requirements of NYSDOT Material Specification 713-15 Compost, and amendment(s), such as limestone meeting the requirements of NYSDOT Material Specification 713-02 Limestone that, when combined together, meet the requirements for topsoil. For manufactured topsoil the contractor shall thoroughly mix the organic portion with the granular portion under dry conditions. Topsoil shall be free from refuse, material toxic or otherwise deleterious to plant growth, subsoil, sod clumps, seeds or other viable propagules of invasive plants, woody vegetation and stumps, roots, brush, refuse, stones, clay lumps, or similar objects. Construction and demolition debris as classified under 6 NYCRR Part 360, other than uncontaminated land clearing debris, shall not be used to manufacture or amend topsoil. Sod and herbaceous growth such as grass and non-invasive weeds need not be removed but shall be thoroughly broken up and mixed with the soil during handling or manufacturing operations.

C. Source #1: Reuse of On-Site Materials

1. Existing topsoil stripped and reclaimed in accordance with NYSDOT Specification Section 203 Excavation and Embankment taken from sites within the contract limits. The general limits and depth of the material to be utilized for topsoil will be indicated in the Contract documents. Where no depth is indicated it shall be 6 inches. Topsoil shall be stored on site. Based on visual inspection by the Director's Representative, topsoil may require screening to meet this requirement.
2. Gradation:

Sieve Size	Percent Passing by Weight
2 inch	100
1 inch	85 to 100

D. Source #2: Manufactured or Offsite imported Materials

1. If additional quantity is required beyond the amount of approved existing on-site topsoil, or if imported or manufactured topsoil is needed to meet project requirements, the Contractor shall provide required quantities of topsoil conforming to the following:
   a) Topsoil
      i) The pH of the material shall be between 4.5 and 7.0 on the portion of the sample passing a ¼ inch sieve.
      ii) The organic content shall be not less than 4% or more than 20% in the portion of a sample passing a.1/4 inch

sieve, when determined by the wet combustion method on a sample dried at 105 degrees C.

iii) Gradation:

Sieve Size	Percent Passing by Weight
1 inch	100
¼ inch	97 to 100
No. 200	20 to 65

2. Suppliers (or other as approved by Director's Representative):
   a) Warren G. Fane Sand and Gravel (518) 235-5531
   b) Trudeau Sand and Gravel (518) 891-1940
   c) Eastcom (315) 729-7772

2.02 LIMESTONE

A. Only if determined required through testing. Material shall conform to latest NYSDOT Material Specification 713-02. Limestone will be accepted on the basis of the manufacturer's label or certificate and visual inspection for compliance with the material requirements. If used, provide written justification from the testing lab and the amended formula if limestone is required for approval.

2.03 COMPOST

A. Provide NYS DOT Compost meeting the latest NYSDOT Material specification 713-15. The Contractor shall furnish, provide a USCC STA test report and other submittals, place and blend compost (organic material) into topsoil, or add compost to manufactured/imported topsoil as specified.

B. Material Requirements for STA test report for Type A – Compost for Turf Establishment shall have:
   a) a minimum organic-matter content of 30% (dryweight basis) determined by loss on ignition.
   b) Product shall be loose and friable, not dusty, and have a moisture content of 35% - 60%, (wet weight basis).
   c) Particle size shall be < 1/2 inch, (100% passing).
   d) Soluble salts concentration shall be < 4.0 mmhos/cm (ds/m), maximum.
   e) Compost shall be stable to very stable.
   f) pH shall be between 6.0-8.5.

C. Compost shall be no larger than half inch (1/2 “) screened bulk or bagged compost produced at a facility who can provide a US Composting Council (USCC) Seal of Testing Approval (STA) Compost Technical Data Sheet test report for their compost showing acceptable results for purposes of seeding to establish turf. Compost for this purpose shall only be derived from yard trimmings and food scraps only.

D. Suggested Suppliers: (Note: not all facilities may provide USSC STA test reports, confirm prior to sourcing material. See current US Composting Council locator map at: https://compostingcouncil.org/page/participants)
   a) Oneida Herkimer Solid Waste Authority, (315) 733-1224 (ohswa.org)
   b) Onondaga County Resource Recovery Compost Agency (315) 453-2866 (ocrra.org)
   c) Green Mountain Compost (802) 660-4949 (greenmountaincompost.com)
   d) WeCare Organics 888-325-1522 (wecareorganics.com).

E. Submit the USCC STA Compost Technical Data sheet test report for this material tested at the facility for approval. Test approval will be based on reasonable acceptance that material falls within requirements of the latest NYSDOT 713-15 specification for Organic Material (compost for establishing turf). Testing shall show material is stable to very stable. If bagged, and compost from this facility is obtained through retail outlets, submit verification that bags meet this specification (test report, cut sheet and retail location). For bulk material, also submit a sealed quart sized bag sample from the approved pile at the facility. Also submit a dated, signed letter on company letterhead stating this facility can provide compost for the purpose of seeding for turf establishment and contains yard trimmings and food scraps only. Due to seasonal fluctuation and demand of supplies, it is highly recommended to contact suppliers as soon as possible after Notice to Proceed.

F. All deliveries shall be inspected and accompanied with an invoice. All deliveries shall be in secured, sealed, unopened, untampered bags, or for each stockpile, install a sign labeled “Compost” that is visible and remains intact throughout the project. All deliveries shall be protected from weather and the elements while onsite and stockpiles protected as per any other regulatory requirements. Any deficient or compromised material shall be immediately removed from the work site by the contractor and replaced at the contractor’s expense. Compost is subject to inspection anytime by the Director’s Representative.

PART 3 EXECUTION

3.01 PREPARATION

A. Grub out existing surfaces and prepare areas to be topsoiled. See Specification Section 329219 Seeding.

3.01 TOPSOIL STOCKPILING, SAMPLING & TESTING

A. Topsoil acquired from sites that are designated in the contract documents are not subject to requirements for stockpiling, sampling, and testing. Topsoil Types Roadside, Lawns & Special Planting Mix, Acidic, and Topsoil - Manufactured or Offsite Wetland Materials are subject to the requirements for stockpiling, sampling and testing.
   a. Stockpiling: The details for stockpiling methods and requirements may be obtained from the NYS DOT Landscape Architecture Bureau.
   b. Sampling: The details for sampling methods and requirements may be obtained from the Landscape Architecture Bureau. Samples taken for topsoil amended or manufactured with approved composted biosolids

shall be identified as such. Contractors who believe that an error was made in sampling the topsoil shall, within one work day, indicate the alleged error in writing to the Director's Representative. The Director's Representative will respond within 7 calendar days.

c. Testing:

i. Composted Biosolids: Composted biosolids used to amend or manufacture topsoil shall conform to the applicable requirements of §713-15 Compost. Composted biosolids shall require a certificate, from a laboratory approved by the NYS Department of Health, verifying compliance with all applicable laws, rules, and regulations. The certification shall be provided to the Engineer by the Contractor prior to the delivery of any composted biosolids, topsoil containing composted biosolids, or other such regulated material to the contract site. The material shall be approved before it is used. The Contractor shall have topsoil that has been amended with approved composted biosolids or other such regulated material tested to ensure compliance with the pH organic content, and gradation requirements certified by a nationally recognized entity which provides soils laboratory services and provide the laboratory results to the Engineer.

ii. Topsoil Testing: All other material tests required by this section, will be performed by the Department or its designated representative, in conformance with the procedures contained in the appropriate Department publications or test methods. The details for testing methods and requirements may be obtained from the Materials Bureau. Stockpiles meeting all requirements for pH, organic and gradation may be accepted and used. Stockpiles that when tested fail to meet requirements for pH or organic may be amended in place. A stockpile that fails to meet gradation requirements may not be accepted. The Contractor shall provide a plan for amending pH and/or organic to the Engineer certified by a nationally recognized entity which provides soils laboratory services. Once the Department accepts the plan and certification the Contractor may amend the stockpile. Re-testing of the stockpile is not required prior to placing the topsoil materials. BASIS OF ACCEPTANCE. Topsoil-Reuse of On-Site Materials and Topsoil- On-Site Wetland Materials will be accepted on the basis of a visual inspection. Topsoil - Roadside, Topsoil – Lawns, Topsoil - Special Planting Mix, Topsoil - Acidic, and Topsoil - Manufactured or Offsite Wetland Materials will be accepted on the basis of the stockpile meeting all the requirements or the stockpile material meeting all gradation requirements and a plan and certification approved by the Engineer for amending pH and organic requirements.

3.02 SPREADING TOPSOIL & COMPOST

A. Perform topsoil spreading operations only during dry weather. See Specification Section 329219 Seeding for execution.

B. To ensure a proper bond with the topsoil, scarify the subgrade to a depth of 6 inches and rake smooth before spreading topsoil.

C. Spread topsoil/blended topsoil directly upon prepared subgrade as specified in this specification and in Seeding 329219 to a minimum depth measuring 6 inches after natural settlement in areas to be seeded. Smooth out unsightly variations, bumps, ridges, and depressions which will hold water. Remove stones, litter, or other objectionable material 1 inch or more in size. Finished surfaces shall conform to the contour lines and elevations indicated on the drawings or fixed by the Director's Representative.

D. Blend compost as specified in this specification and Specification Section 329219 Seeding.

3.03 SPREADING LIMESTONE

A. Use only if required and approved, based on the justification to the Director's Representative approval from topsoil testing. Spread ground limestone evenly over the finished topsoiled surface or other approved method.

B. Limestone shall be ground limestone having a minimum total neutralizing value of 88% calcium carbonate equivalence. A minimum of 90% shall pass the No. 20 sieve and a minimum of 60% shall pass the No. 100 sieve.

C. Packaged agricultural limestone packed in the manufacturer's standard containers shall weigh not over 100 lbs each, with the name of the material, net weight of contents and the manufacturer's name and guaranteed analysis appearing on each container.

D. Bulk delivery of limestone shall be accompanied by a certificate providing the names, weight and analysis as specified herein for packaged material.

E. Limestone will be accepted on the basis of the manufacturer's label or certificate and visual inspection for compliance with the material requirements.

END OF SECTION