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

ADDENDUM NO. 3 TO PROJECT NO. 47463

CONSTRUCTION AND ELECTRICAL WORK
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA ROAD, ROUTE 36
SONYEA, NY

November 13, 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.

ELECTRICAL WORK SPECIFICATIONS

1. SECTION 271524 OPTICAL FIBER CABLES: Add the accompanying Section (pages 271524 – 1 thru 271524 – 10) to the Project Manual.

ELECTRICAL DRAWINGS

2. Addendum Drawings:
   a. Drawing Nos. E-202, E-203, E-506, noted "ADDENDUM #3, 11/10/2026," accompanies this Addendum and forms part of the Contract Documents.

END OF ADDENDUM

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

SECTION 271524

OPTICAL FIBER CABLES

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. CCTV System: Section 282305

1.02 DEFINITIONS

Note: For this Section, the definition below supersedes the definition in Section 014216 for Company Field Advisor.

A. Company Field Advisor - An individual meeting the following requirements:
   1. An employee of the company producing the optical fiber cables, who is certified in writing by the company to be technically qualified in design, installation, servicing and testing of the required products. Personnel involved solely in sales do not qualify.

1.03 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittals Package: Submit the product data, samples, and quality control submittals specified below at the same time as a package.

C. Product Data:
   1. Catalog sheets, specifications and installation instructions for all products.
   2. Complete manufacturer's construction details and specifications for the cables. Include for each type of cable:
      a. Physical and optical characteristics of the optical fibers.
         1) Cable manufacturer's certified test data (attenuation, bandwidth).
      b. Physical characteristics of strength members, and jackets.
      c. Maximum pulling strain allowed.
      d. Crush resistance.
      e. Overall dimension of cable.
   3. Splicing and termination data, including the following:
      a. List of materials.
      b. Method of connecting cables.
      c. Details of cable preparation.

d. Method of applying materials, including quantities.
e. Precautionary measures.
f. Drawings showing method of splicing complete with dimensions.
g. Written statement from cable manufacturer that splices and terminations submitted are acceptable for use with their cable.
h. Written statement from splicing/termination manufacturer that the connectors submitted are suitable for the proposed application.
i. Written statement from cable manufacturer that the cable breakout and splitter kits submitted are acceptable for use with their cable.

4. Statement from the Company producing the optical fiber transmitter and receiver system for which the optical fiber cables are proposed to be used, indicating that the optical characteristics meet the requirements of the Company.
5. Written statement from cable manufacturer indicating recommended pulling compounds.

D. Samples:
1. Two foot sample of each type cable proposed for use.
2. One sample of each connector proposed for use.
3. One sample of each breakout and splitter kit proposed for use.

E. Quality Control Submittals:
1. Cable Installer's Qualifications Data:
a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
b. Name and addresses of the required number of similar projects worked on which meet the experience criteria.
2. Company Field Advisor Qualifications Data:
a. Name, business address and telephone number of Company Field Advisor secured for the required services.
b. Certified statement from the Company listing the qualifications of the Company Field Advisor.
c. Services and each product for which authorization is given by the Company, listed specifically for this project.
3. Cable Splicer's Qualifications Data:
a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
b. All information required showing that the experience criteria have been met.
4. Installer must be certified by the manufacturer and submit letter of proof from the manufacturer certified that the cabling being installed by the installer qualified for the 25-year warranty offered by the manufacturer against any defect or damage.

F. Contract Closeout Submittals:
1. Post installation test report.

1.04 QUALITY ASSURANCE

A. Equipment Qualifications For Products Other Than Those Specified:
   1. At the time of submission provide written notice to the Director of the intent to propose an “or equal” for products other than those specified. Make the “or equal” submission in a timely manner to allow the Director sufficient time to review the proposed product, perform inspections and witness test demonstrations.
   2. If products other than those specified are proposed for use furnish the name, address, and telephone numbers of at least 5 comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the 5 comparable installations will allow inspection of their installation by the Director's Representative and the Company Field Advisor.
      a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative. Also obtain the services of the Company Field Advisor for the proposed products to be present. Notify the Director a minimum of 3 weeks prior to the availability of the installations for the inspection and provide at least one alternative date for each inspection.
      b. Only references from the actual owner or owner’s representative (Security Supervisor, Maintenance Supervisor, etc.) will be accepted. References from dealers, system installers or others, who are not the actual owners of the proposed products, are not acceptable.
         1) Verify the accuracy of all references submitted prior to submission and certify in writing that the accuracy of the information has been confirmed.
   3. The product manufacturer shall have test facilities available that can demonstrate that the proposed products meet the contract requirements.
      a. Make arrangements with the test facility for the Director's Representative to witness test demonstrations. Also obtain the services of the Company Field Advisor for the proposed product to be present at the test facility. Notify the Director a minimum of 3 weeks prior to the availability of the test facility and provide at least one alternative date for the testing.
   4. Provide written certification from the manufacturer that the proposed products are compatible for use with all other equipment proposed for use for this system and meet all contract requirements.

B. Cable Installer’s Qualifications: The persons installing the Work of this Section and their Supervisor shall be personally experienced in optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.
   1. Furnish to the Director the names and addresses of 5 similar projects that the foregoing people have worked on during the past 3 years.

C. Company Field Advisor: Secure the services of the cable manufacturer’s Company Field Advisor for a minimum of 40 working hours for the following:
   1. Render advice regarding method of installing cable.

2. Inspection of equipment for installing cable.
3. Witness a representative amount of cable pulling.
    a. Company Field Advisor must witness a minimum of 25 percent of the cable pulling.
4. Witness installation of at least one splice and one termination by each cable splicer who will be doing the actual cable splicing.
    a. If the splices or terminations are other than the cable manufacturer's, secure the services of the splice and termination manufacturer's Company Field Advisor to concurrently witness installation of the splices and terminations and also certify with an affidavit that the splices and terminations were installed in accordance with the splice and termination manufacturer's recommendations.
5. Witness post installation test.
6. Certify with an affidavit that the aforementioned particulars are satisfactory and the cable is installed in accordance with cable manufacturer's recommendations.

D. Cable Splicers' Qualifications: The persons installing the optical fiber splices and/or terminations, and their Supervisor, shall be personally experienced in splicing and terminating optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.
1. Experience should be in the same types of splices and terminations proposed for this project and each project listed should be of similar size, as this project requires.
2. Furnish to the Director the following information on 5 similar projects that the foregoing people have worked on during the past 3 years.
    a. Qualifications Data should include:
        1) Names and addresses of the similar projects.
        2) Types of splices and terminations performed on the similar projects.
        3) Number of each type of splices and terminations for each of the listed projects.

E. Installer shall meet the below requirements and received entry into Corning NPI. All below requirements are repeated annually except #3 and #4.
1. Meet a revenue target annually to ensure they are doing enough fiber optic cable projects to stay relevant and qualified.
2. Complete a number of trainings to further their education on fiber optics. This includes hands on training. (Paid and extensive design and installation courses).
3. Complete a project that is Corning inspected by a corning Field Network Engineer before being admitted into the program.
4. Interviewed by local sales engineer to ensure a good reputation and a good quality of work.

1.05 DELIVERY, STORAGE AND HANDLING

A. Cable Delivery:
1. No cable over one year old when delivered to the site will be accepted.

2. Keep ends of cables sealed at all times, except when making splices or terminations. Use methods approved by cable manufacturer.
3. Include the following data durably marked on each reel:
   a. Reel number.
   b. Facility name and address.
   c. Contractor's name.
   d. Project title and number.
   e. Date of manufacture.
   f. Manufacturer's name.
   g. Linear feet.
   h. Location where cable is to be installed:

      1. Between existing Frontier Communications splice and OGS Office trailer new fiber optic termination enclosure.

      2. Between Fence Protection system FAS "K" existing fiber optic termination enclosure and new Guard Tower fiber optic termination enclosure

4. Include the following factory test data for each cable, showing the following:
   a. The reel number that the cable is on.
   b. The cable manufacturer's specified optical parameters for the type of fiber installed in the cable.
   c. Test readings for all fibers in the cable, showing that all fibers have been tested and that each fiber meets or exceeds the cable manufacturer's specified optical parameters for that fiber type.

B. Cable Storage: Store cable at temperature recommended by cable manufacturer for optimum workability.

1.06 MAINTENANCE

A. Spare Parts:
   1. Two of each type connector.
   2. Two type JFO connectorized optical fiber jumper cables of each length used.

PART 2 PRODUCTS

2.01 NONCONDUCTIVE OPTICAL FIBER CABLES – 8.3 MICRON/125 MICRON (CORE/CLAD)

A. Type 24 Fiber Single Mode (24 SFO); Heavy duty dual jacketed indoor/outdoor fiber optic cable, Corning's FREEDM LST series, having:
   1. 24 optical fibers.
      a. 24 optical fibers, two groupings of 12, in a flame retardant indoor / outdoor rated cable.
      b. Fiber diameter (core): 8.3 micron/125 micron.

c. Fiber type: Single mode fiber.
d. Maximum Fiber Attenuation:
1) 0.4 dB/km (@1300nm).
2) 0.4 dB/km(@1383nm).
3) 0.3 dB/km(@1550nm).
e. Minimum Fiber Bandwidth:
1) 200 MHZ-km (@850nm).
2) 500 MHZ-km (@1300nm).

2. Dielectric strength member: Epoxy/fiber glass rod or equal.
3. Inner Jacket: Flame and moisture resistant Polyvinyl chloride (PVC) or equal.
4. Outer strength member: Aramid yarn.
5. Outer Jacket: Black, Flame-Retardant, UV-Resistant resistant jacket.
6. Tensile Strength Elements: Layer 1 – Dielectric strength members.
a. Short-Term: 2700N (600 lbf).
b. Long-Term: 810N (180 lbf).
7. Tensile Strength Elements: Layer 2 – Dielectric strength members.
a. Short-Term: 2700N (600 lbf).
b. Long-Term: 810N (180 lbf).
8. Buffer Tub Color Coding: Blue & Orange.
9. Gel-Filled Loose Tube
10. Rip Cords: 1.
11. Compliance the following standards:
a. UL 1666.
b. National Electrical Code for type OFNR cable.

B. Type 6 Fiber Single Mode (6 SFO); Heavy duty dual jacketed indoor/outdoor fiber optic cable, Corning's FREEDM LST series, having:
1. 6 optical fibers.
a. 6 optical fibers in a flame retardant indoor / outdoor rated cable.
b. Fiber diameter (core): 8.3 micron/125 micron.
c. Fiber type: Single mode fiber.
d. Maximum Fiber Attenuation:
1) 0.4 dB/km (@1300nm).
2) 0.4 dB/km(@1383nm).
3) 0.3 dB/km(@1550nm).
e. Minimum Fiber Bandwidth:
1) 200 MHZ-km (@850nm).
2) 500 MHZ-km (@1300nm).
2. Dielectric strength member: Epoxy/fiber glass rod or equal.
3. Inner Jacket: Flame and moisture resistant Polyvinyl chloride (PVC) or equal.
4. Outer strength member: Aramid yarn.
5. Outer Jacket: Black, Flame-Retardant, UV-Resistant resistant jacket.
6. Tensile Strength Elements: Layer 1 – Dielectric strength members.
a. Short-Term: 2700N (600 lbf).
b. Long-Term: 810N (180 lbf).
7. Tensile Strength Elements: Layer 2 – Dielectric strength members.
a. Short-Term: 2700N (600 lbf).

b. Long-Term: 810N (180 lbf).
8. Buffer Tub Color Coding: Blue & Orange.
9. Gel-Filled Loose Tube
10. Rip Cords: 1.
11. Compliance the following standards:
    a. UL 1666.
    b. National Electrical Code for type OFNR cable.

2.02 CABLE SPLITTER KITS

A. Splitter Kits suitable for use with fiber optic cables with multiple fibers run per tube: Corning's LANscape SPH-CS24-A9-P00RE housing with CCH connector panels:
1. Built in Splice tray
2. 2 meter pigtail assembly
3. 24 Single Mode fiber (OS2)
4. LC Connection type
5. Wall Mounted
6. Fusion Splice

B. Splitter Kits suitable for use with fiber optic cables with multiple fibers run per tube: Corning's LANscape SPH-CS06-A9-P00RE housing with CCH connector panels:
1. Built in Splice tray
2. 2 meter pigtail assembly
3. 6 Single Mode fiber (OS2)
4. LC Connection type
5. Wall Mounted
6. Fusion Splice

2.03 CONNECTORS AND SPLICES

A. General: Furnish Corning's LC type connectors and components, and use specific tools and methods as recommended by connector manufacturer to form complete connector system:
1. Terminations: To suit requirements of optical fiber transmitter and receiver.
2. Fusion Splices.
    a. Fusion splices shall be performed in in accordance with the cable manufacturer's recommendations in enclosures specifically manufactured for fusion splicing.
    b. Splice trays shall have a maximum capacity 24 or 6 splices per tray.

2.04 CONNECTORIZED OPTICAL FIBER JUMPER CABLES

A. Type JFO: Single-mode optical fiber Jumper cable by Corning, having:
   1. One single mode optical fiber.
   2. Tensile Strength Elements: Dielectric strength members.
   3. PVC outer jacket.
   4. Cable length of 1 meter (minimum, increase length as required).
   5. Connectors: Factory installed LC type connectors as required for connections to fiber termination racks and equipment.

2.05 ACCESSORIES

A. Pulling Compounds: As recommended by cable manufacturer.

B. Tags: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inches high.
   1. Phenolic: Two color laminated engraver's stock, 1/16 inch minimum thickness, machine engraved to expose white inner core color.
   2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.

C. Markers:
   1. Pre-marked self-adhesive: W.H. Brady Co.'s B940, Thomas and Betts Co.'s E-Z code WSL self-laminating, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers.
   2. Flexible sleeve markers: Plastic Extruded Parts Inc.'s FS series.
   3. Snap-on markers: Plastic Extruded Parts Inc.'s RS series.

PART 3 EXECUTION

3.01 PREPARATION

A. Prior to installing cable, test the cable on the reels to verify that the cable's fibers are intact.
   1. At the contract site, perform a continuity test on each fiber in each cable to confirm light passes through each fiber.
   2. Remove defective cable from the Site.

3.02 INSTALLATION

A. Installing Cables:
   1. Install cables in conduit after conduit system is completed.
   2. Keep ends of cables sealed watertight at all times, except when making splices or terminations.
   3. No grease, oil, lubricant other than approved pulling compound may be used to facilitate the pulling-in of cables.

4. Use pulling attachment connected to the cable strength member for pulling in cables. Seal the pulling attachment watertight.
5. Incorporate into the pull line at the pulling attachment a tension-control swivel containing a shear pin designed to fail if the pre-determined maximum cable strain is applied.
6. Pull cables with a dynamometer or strain gage incorporated into the pulling equipment. Do not pull cables unless the Director's Representative is present to observe readings on the dynamometer or strain gage during the time of actual pulling. Do not exceed cable manufacturer's recommended pulling strain.
7. Provide 2 meters of slack in each cable, at the first and last manhole that the cable is running through.
8. Provide 1 to 2 meters of slack in each cable, in the enclosures that the cable terminates or is spliced.

B. Cable breakouts and splitter kits:
1. Provide splitter kits for each cable type.

C. Splices and Terminations:
1. Terminate cables in accordance with manufacturer's approved installation instructions.
2. All optical fiber cables (actives and spares) shall be connectorized and connected to the OFTRs in EERs, or CMC.
3. No splicing of optical fiber cables will be allowed except:
   a. Connectorized (Mechanical) splice will be allowed in the OFTR to connect type JFO cables to Type SFO and CFO cables.
   b. Fusion splice will be allowed in the OFFS to connect to Type SFO and CFO cables.

D. Identification of Optical Fiber Cables: Identify cables in manholes, pullboxes, handholes and in equipment to which they connect:
1. Install tags on each cable indicating cable number, month and year installed, type of cable, and manufacturer. Attach tags to cables with non-ferrous metal wire or brass chain.
2. Use markers to identify each optical fiber in equipment to which they connect.

3.03 FIELD QUALITY CONTROL

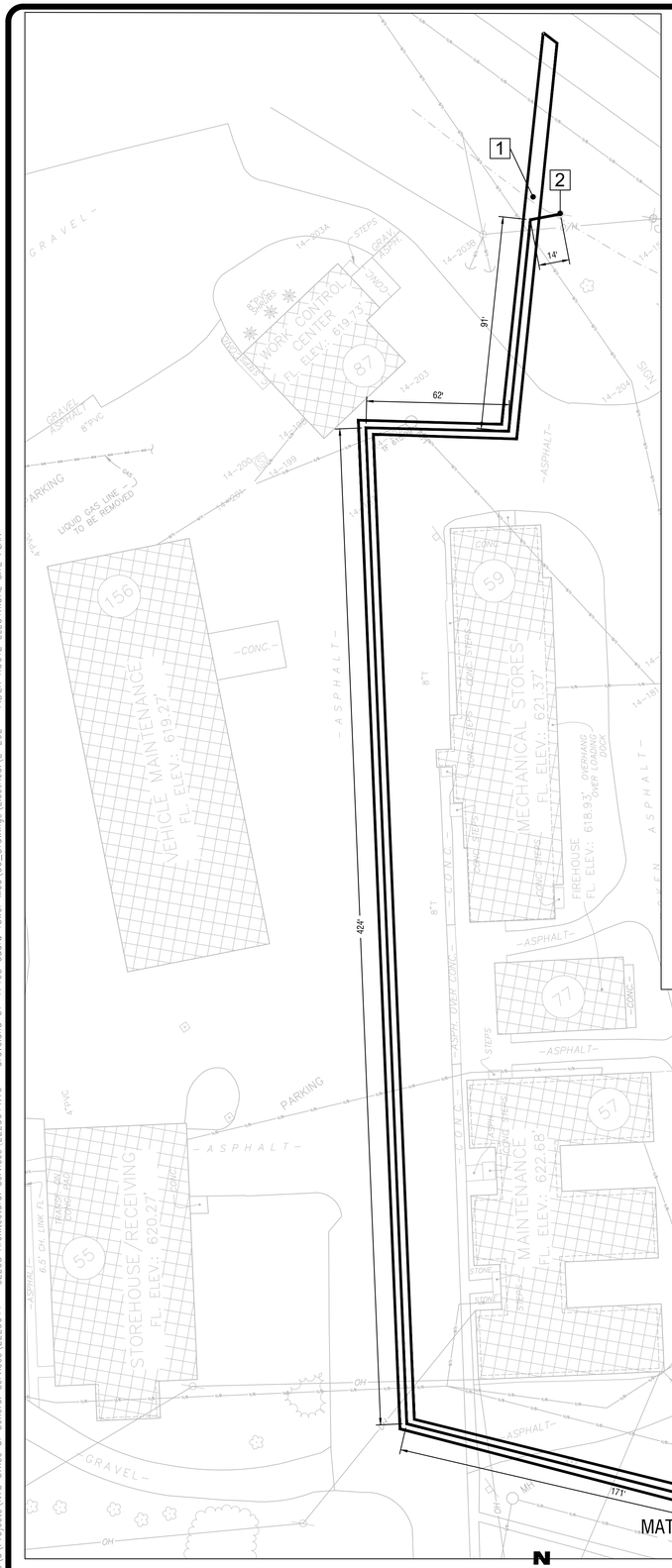
A. Post Installation Test:
1. Perform test on each active and spare optical fiber after cable has been installed complete with connectors, and prior to placing cable into service.
   a. Demonstrate that the amount of attenuation and connector losses through the fiber is no greater than 75 percent of the parameters allowed by the optical fiber transmitter/receiver manufacturer for wavelengths 1310nm and 1550nm for single-mode fiber.
      1) Example: If the optical fiber transmitter/receiver manufacturer allows a 12db loss between the transmitter

and receiver. The amount of loss that would be allowed across the fiber should not be more than 8db.

2) If the amount of attenuation measured across a fiber is above 75 percent, then that fiber is to be tested to determine the cause of the high measurement, faulty connector, damaged fiber, etc., and corrective actions are to be made to correct the problem.

2. Perform test in the presence of the Director's Representative.
3. Supply equipment necessary for performing test.
4. Submit written report of test results signed by Company Field Advisor and Director's Representative. Mount a copy of the final report in a plexiglass enclosed frame assembly adjacent to the security console.

END OF SECTION



1 E-202 — COMMUNICATIONS - FIBER SITE PLAN - NORTH
SCALE: 1" = 30'

PROVIDE 10' OF SPARE FIBER AT EXISTING FRONTIER FIBER BREAKOUT

PROVIDE FIBER CABLE STRAPS EVERY 12" ON UTILITY POLE (TYPICAL)

PROVIDE WEATHERTIGHT COMPRESSION FITTING AT TOP OF CONDUIT

PROVIDE 2" GALVANIZED STEEL CONDUIT ON UTILITY POLE FROM UNDERGROUND RIGID GALVANIZED CONDUIT DUCTBANK FROM STEAM TUNNEL

EXTEND GALVANIZED STEEL CONDUIT FROM UNDERGROUND RIGID GALVANIZED CONDUIT DUCTBANK FROM STEAM TUNNEL



3 E-202 — UTILITY POLE FOR FIBER DETAIL
SCALE: 1" = 30'

GENERAL NOTES

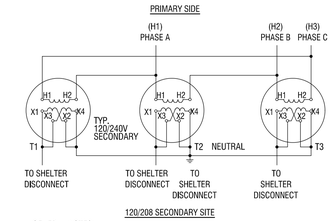
1. UTILIZE EXISTING J-HOOKS AND PROVIDE NEW WHERE REQUIRED IN STEAM TUNNEL TO INSTALL ALL NEW FIBER OPTIC CABLE FROM FRONTIER EXISTING FIBER SPLICE ENCLOSURE TO NEW DUCTBANK NEAR EXISTING 225 KVA TRANSFORMER, AS INDICATED ON 2/E-202 SITE DETAIL.
2. PROVIDE LINK-SEAL FOR ALL CONDUIT PENETRATIONS FROM INSIDE STEAM TUNNEL TO NEW COMMUNICATIONS DUCTBANK. REFER TO STEAM TUNNEL WALL PENETRATION DETAIL AND SPECIFICATIONS.
3. WHERE ELECTRICAL/COMMUNICATIONS CONDUITS ARE TO BE INSTALLED IN SOIL, PROVIDE 2" RIGID GALVANIZED CONDUITS AND INSTALL NO LESS THAN 24" BELOW FINISHED GRADE (BFG).
4. EVERY EFFORT IS TO BE MADE TO AVOID INSTALLING ELECTRICAL/COMMUNICATIONS CONDUITS UNDER THE EXISTING ROADWAYS. WHERE CONDUITS ARE TO BE INSTALLED UNDER ROADWAYS, PROVIDE CONCRETE ENCASED DUCTBANKS AND PVC CONDUITS.

CABLE/CONDUIT LEGEND

1	(2) 4" ELECTRICAL CONDUITS WITH TWO SETS OF (4) 750kcmil CONDUCTORS AND (1) #4 COPPER GROUND CABLE. PROVIDE 750kcmil LUGS ON EACH END OF CABLE.
2	(1) 2" COMMUNICATIONS CONDUIT WITH (1) 24-STRAND INDOOR/OUTDOOR RATED SINGLE-MODE FIBER OPTIC CABLE

E202 KEYED NOTES

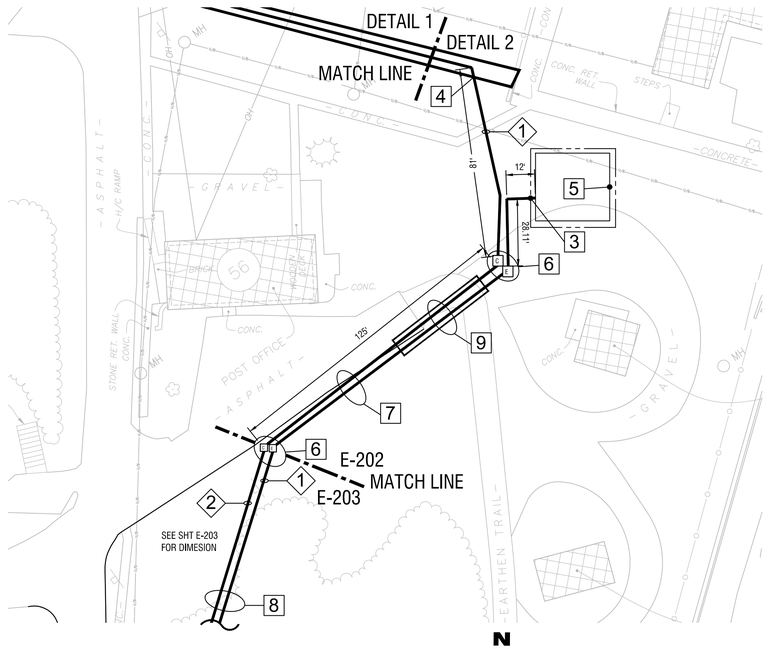
1	EXISTING STEAM TUNNEL EXTENDS TO POWER HOUSE. PROVIDE 2" ORANGE INNERDUCT, 24-FIBER CABLE AND J-HOOKS AND MOUNT ON WALL ADJACENT TO EXISTING FIBER OPTIC CABLE INNERDUCT.
2	EXISTING UTILITY POLE WITH EXISTING FRONTIER FIBER OPTIC SPLICE ENCLOSURE (ROUTE 36) EXIT STEAM TUNNEL IN THIS LOCATION AND INSTALL (1) 2" RIGID GALVANIZED COMMUNICATIONS CONDUIT WITH 24-STRAND FIBER OPTIC CABLE 24" BELOW FINISHED GRADE (MIN) AND EXTEND CONDUIT UP POLE TO 14' ABOVE FINISHED GRADE. EXTEND FIBER OPTIC CABLE TO EXISTING FRONTIER FIBER OPTIC SPLICE ENCLOSURE AND LEAVE 10' MINIMUM COILED SLACK FOR FRONTIER TECHNICIAN TO SPLICE FIBER, IN EXISTING ENCLOSURE.
3	REMOVE EXISTING CHAIN LINK FENCE FABRIC TO INSTALL ELECTRICAL CONDUIT DUCTBANK TO TRANSFORMER VAULT. RESTORE FENCE FABRIC TO ORIGINAL CONDITION.
4	FIBER OPTIC CABLE IS TO EXIT STEAM TUNNEL AND INTO NEW 2" RIGID GALVANIZED CONDUIT UNDERGROUND DUCTBANK. DUCTBANK IS TO BE NO LESS THAN 24" BELOW FINISHED GRADE (BFG).
5	EXISTING DOCCS 208V 3-PHASE TRANSFORMER. TAP NEW ELECTRICAL FEEDERS TO EXISTING SECONDARY TAPS.
6	PROVIDE (1) ELECTRICAL AND (1) COMMUNICATIONS PULLBOX. CABLE SPLICING IS PROHIBITED (TYPICAL).
7	NEW ELECTRICAL/COMMUNICATIONS DUCTBANK TO ELECTRICAL/COMMUNICATIONS ENCLOSURE SHELTER.
8	REFER TO DRAWING E-203 FOR ELECTRICAL/COMMUNICATIONS DUCTBANK CONTINUATION.
9	PROVIDE CONCRETE ENCASED PVC CONDUITS UNDER ROADWAY.



GENERAL NOTES:

1. PROVIDE NEW LUGS TO EXISTING SECONDARY SIDE OF EXISTING TRANSFORMER FOR CONNECTION OF NEW CIRCUIT TO SHELTER.
2. INSTALL NEW RGC CONDUITS UNDERGROUND INTO TRANSFORMER VAULT.

4 E-202 — EXISTING 120/208 VOLT, THREE PHASE TRANSFORMER CONNECTION DETAIL
SCALE: NOT TO SCALE



2 E-202 — ELECTRICAL/COMMUNICATIONS SITE PLAN - TRANSFORMER AREA
SCALE: 1" = 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021659

LaBella
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STATE OF NEW YORK · ROBERT ALLYN MARSH · 0965 19 · LICENSED PROFESSIONAL ENGINEER
EXP: 06/30/2027

CONTRACT:
ELECTRICAL

TITLE:
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION:
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
1	11/10/2026	ADDENDUM #3
FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER:	47463-E
DESIGNED BY:	DS
DRAWN BY:	GM
FIELD CHECK:	
APPROVED:	NCH

SHEET TITLE:
ELECTRICAL/COMMUNICATIONS SITE PLAN

DRAWING NUMBER:
E-202

11/10/2026 1:52 PM
\\Local\lab\V\Projects\NYS Office of General Services\223644 - SE208 Architectural Services\223644.16 - Groveland CF 47463 Guard Tower Mod\06_Drawings\Electrical\E-202 - FIBER ROUTE ELECTRICAL SITE PLAN



1 E-203 ELECTRICAL/COMMUNICATIONS SITE PLAN - NORTH

SCALE: 1" = 30'

GENERAL NOTES

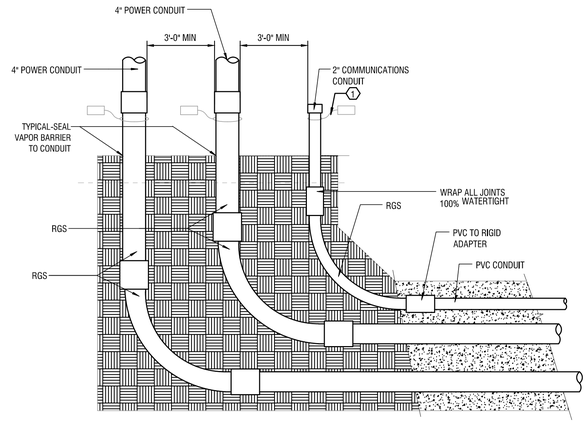
1. WHERE ELECTRICAL/COMMUNICATIONS CONDUITS ARE TO BE INSTALLED IN SOIL, PROVIDE 2" RIGID GALVANIZED CONDUITS AND INSTALL NO LESS THAN 24" BELOW FINISHED GRADE (BFG).
2. EVER EFFORT IS TO BE MADE TO AVOID INSTALLING ELECTRICAL/COMMUNICATIONS CONDUITS UNDER THE EXISTING ROADWAYS. WHERE CONDUITS ARE TO BE INSTALLED UNDER ROADWAYS, PROVIDE CONCRETE ENCASED DUCTBANKS IN PVC GALVANIZED STEEL CONDUITS.

CABLE/CONDUIT LEGEND

1	(2) 4" ELECTRICAL CONDUITS WITH TWO SETS OF (4) 750kcmil CONDUCTORS AND (1) #4 COPPER GROUND CABLE. PROVIDE 750kcmil LUGS ON EACH END OF CABLE.
2	(1) 2" COMMUNICATIONS CONDUIT WITH (1) 24-STRAND INDOOR/OUTDOOR RATED SINGLE-MODE FIBER OPTIC CABLE

E203 KEYED NOTES

1	REFER TO DRAWING E-202 FOR ELECTRICAL/COMMUNICATIONS DUCTBANK CONTINUATION FROM TRANSFORMER AND STEAM TUNNEL, RESPECTIVELY.
2	NEW ELECTRICAL/COMMUNICATIONS DUCTBANK TO ELECTRICAL/COMMUNICATIONS ENCLOSURE SHELTER.
3	PROVIDE (1) ELECTRICAL AND (1) COMMUNICATIONS PULLBOX. CABLE SPLICING IS PROHIBITED (TYPICAL).
4	REFER TO DRAWING E-506 FOR ELECTRICAL/COMMUNICATIONS DUCTBANK CONTINUATION TO ELECTRICAL/COMMUNICATIONS ENCLOSURE SHELTER.
5	PROVIDE CONCRETE ENCASED PVC CONDUITS UNDER ROADWAY.

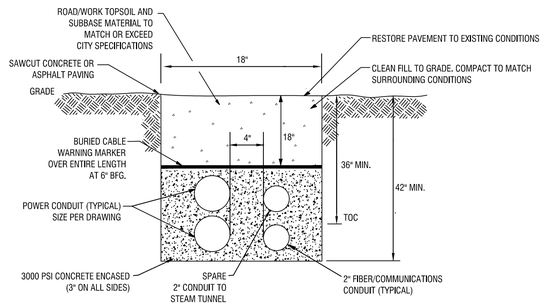


KEYED NOTES: #

1. AT EACH CONDUIT STUB-UP, AFFIX ENGRAVED PLASTIC NAMEPLATE INDICATING CONDUIT NO. OR CIRCUIT IDENTIFICATION. ATTACH WITH NYLON CABLE TIE.
2. PROVIDE AND INSTALL PVC CONDUIT IN ALL CONDUITS THAT ARE TO BE ENCASED IN CONCRETE.
3. PROVIDE RIGID STEEL CONDUIT THAT ARE TO BE DIRECT BURIED (24" MIN - TYPICAL).

3 E-203 CONDUIT SLEEVE DETAIL

SCALE: NOT TO SCALE



2 E-203 CONCRETE ENCASED DUCT BANK DETAIL

SCALE: NOT TO SCALE

NOTE:
DUCT WILL BE 42" OF COVER AT CURB. SUBJECT TO EXISTING UTILITY VERIFICATION.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021659

LaBella Powered by partnership.

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

STATE OF NEW YORK · ROBERT ALLYN MARSH · 095519 · LICENSED PROFESSIONAL ENGINEER

EXP: 06/30/2027

CONTRACT:
ELECTRICAL

TITLE:
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION:
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

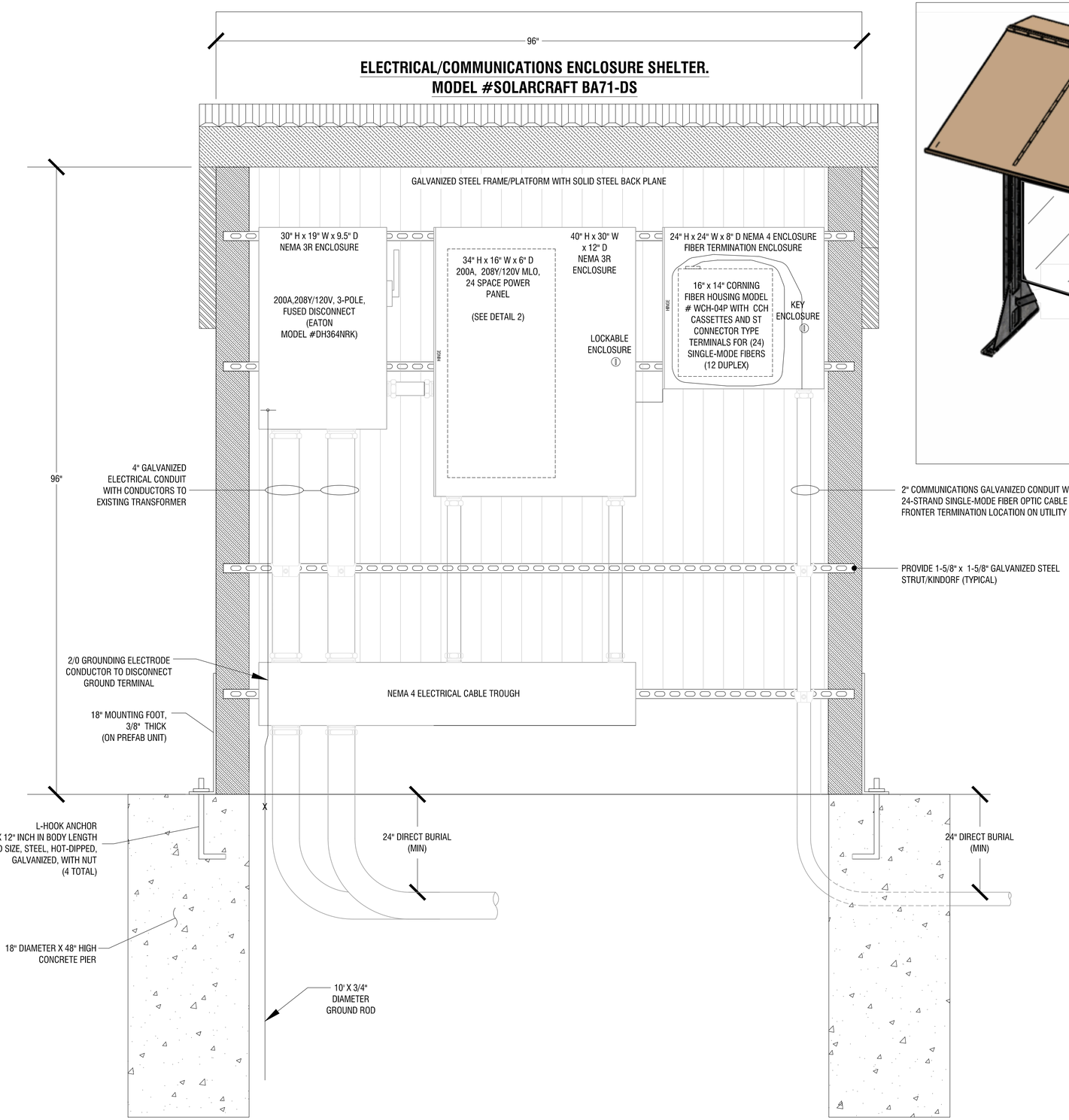
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1	11/10/2026	ADDENDUM #3
FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER:	47463-E
DESIGNED BY:	DS
DRAWN BY:	GM
FIELD CHECK:	
APPROVED:	NCH

SHEET TITLE:
ELECTRICAL/COMMUNICATIONS SITE PLAN

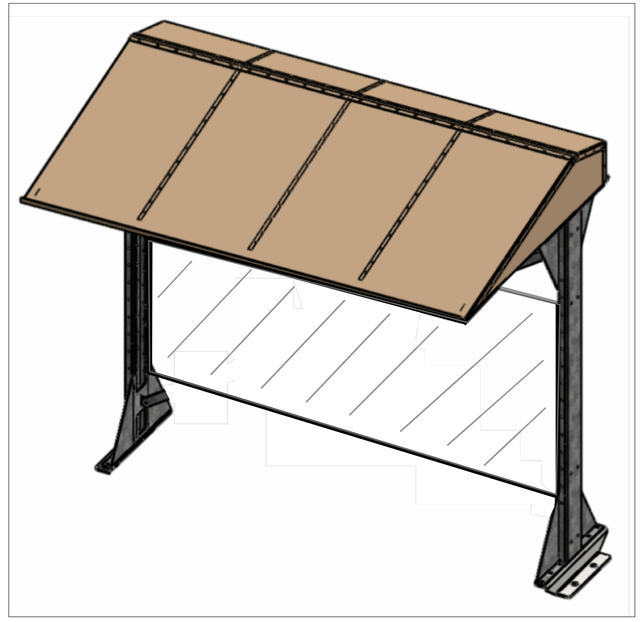
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E-203

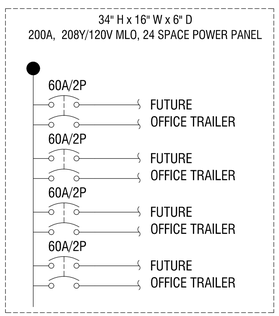
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\\cashlab\u\Projects\NYS Office of General Services\223644 - SE208 Architectural Services\2223644.16 - Groveland CF 47463 Guard Tower Mod\06_Drawings\Electrical\E-202 - FIBER ROUTE ELECTRICAL SITE PLAN



1 E-506 ELECTRICAL/COMMUNICATIONS BACKBOARD MOUNTING CONFIGURATION DETAIL

SCALE: 1-1/2" = 1'-0"





2 E-506 POWER PANEL INTERIOR DETAIL

SCALE: NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021659

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STATE OF NEW YORK ROBERT ALLYN MARSH 096519 LICENSED PROFESSIONAL ENGINEER

EXP: 06/30/2027

CONTRACT:
ELECTRICAL

TITLE:
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION:
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
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DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
1	11/10/2026	ADDENDUM #3
FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER: 47463-E
DESIGNED BY: DS
DRAWN BY: ERA
FIELD CHECK:
APPROVED: NCH

SHEET TITLE:
INDUSTRY FIELD OFFICE ELECTRICAL BACK BOARD MOUNTING DETAIL

DRAWING NUMBER:
E-506

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