



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 3 TO PROJECT NO. M3042

**ELECTRICAL WORK
RESTORE TRANSFORMER AND ELECTRICAL SERVICE CABLES
BUILDINGS 5, 7 & 9
ELMIRA PSYCHIATRIC CENTER
100 WASHINGTON STREET
ELMIRA, NY 14901**

January 5, 2015

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 023313 UNDERGROUND UTILITY LOCATOR SERVICE: Add the attached Section (pages 023313-1 and 023313-2) to the Project Manual.
2. SECTION 033001 CAST IN PLACE CONCRETE SHORT VERSION: Add the attached Section (pages 033001-1 thru 033001-4) to the Project Manual.

DRAWINGS

3. Drawing No. E-501:
Detail #2, Plan: Add Removal Key Notes 1, with notation "TYP. OF 3".
4. Drawing No. E-502:
Detail #2, Plan: Add Renovation Key Notes 1, with notation "TYP. OF 3".
5. Drawing No. E-601:
Removal Key Notes, Change Note 3 to read:

"Provide (1) 208Y/120V, 3-phase, 125KW potable diesel generator with 400 amp MCB. Generator shall be moved to each building to provide power while cable replacement occurs."
6. Addendum Sketch:
Sketch Nos. SKE-1 and SKE-2 accompanying this Addendum to form a part of the Contract Documents.

END OF ADDENDUM

Margaret F. Larkin
Executive Director

SECTION 023313

UNDERGROUND UTILITY LOCATOR SERVICE

PART 1 GENERAL

1.01 DESCRIPTION

- A. Retain an independent utility locator service company with a minimum of five (5) years experience to field locate, mark, and stakeout existing underground utilities and service connections.
 - 1. Include eight (8) hours of “locator service” to locate underground utilities.
 - 2. If required determine the exact location of utilities by hand excavated test pits or through vacuum methods. Support and protect all utilities to remain in place.
 - 3. Contractor shall field locate, mark, and stakeout underground utilities prior to excavation.
 - 4. Contractor will be responsible for the location of all utilities within areas of excavation, and all costs associated with the repair of utilities hit/damaged during construction.

1.02 SUBMITTALS

- A. Submit detailed experience and qualifications description of underground utility locator service. Experience and qualifications package should include a description of the types of utility locator equipment and experience that can be provided.

1.03 DELIVERABLES

- A. At the conclusion of this project, provide three (3) sets of paper and one (1) copy of electronic plans documenting all utilities located and identified. All documentation shall be referenced to existing data (horizontal and vertical) previously established.

1.04 COORDINATION AND SCHEDULING

- A. General Location: Within areas of excavations all utilities shall be field located and their locations marked at least one (1) day prior to the performance of the required excavation.
- B. Exact Location: The performance of hand excavated test pits or vacuum excavations to determine the utilities exact location shall be performed just prior to performing the work to minimize the time that excavated areas will be exposed to erosive conditions.

- C. Coordinate work with the Director's representative to minimize utility disruptions and facility operations. The Director's Representative shall be notified at least three (3) working days prior to performing the work, and should be provided a schedule for the works progression.

PART 2 (Not Used)

PART 3 EXECUTION

3.01 WORK AREAS AND PERFORMANCE

- A. The Director's Representative may limit or restrict scheduling of the utility locator service based upon project progress.

END OF SECTION

SECTION 033001

CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 REFERENCES

- A. Except as shown or specified otherwise, the Work of this Section shall conform to the requirements of Specifications for Structural Concrete for Buildings ACI 301-05 of the American Concrete Institute.

1.02 SUBMITTALS

- A. Submittals Package: Submit product data for design mix(es) and materials for concrete specified below at the same time as a package.
- B. Shop Drawings: Placing drawings for bar reinforcement.
- C. Product Data:
 - 1. Concrete design mix(es) with name and location of batching plant.
 - 2. Portland Cement: Brand and manufacturer's name.
 - 3. Fly Ash: Name and location of source, and DOT test numbers.
 - 4. Air-entraining Admixture: Brand and manufacturer's name.
 - 5. Water-reducing Admixture: Brand and manufacturer's name.
 - 6. Aggregates: Name and location of source, and DOT test numbers.
- D. Quality Control Submittals:
 - 1. Certificates: Affidavit required under Quality Assurance Article.

1.03 QUALITY ASSURANCE

- A. Concrete batching plant shall be currently approved as a concrete supplier by the New York State Department of Transportation.
- B. Fly ash supplier shall be currently approved as a fly ash supplier by the New York State Department of Transportation.
- C. Certifications: Affidavit by the bar reinforcement manufacturer certifying that bar material meets the contract requirements.
- D. Source Quality Control: The Director reserves the right to inspect and approve the following items, at his own discretion, either with his own forces or with a designated inspection agency:
 - 1. Batching and mixing facilities and equipment.
 - 2. Sources of materials.

1.04 STORAGE

- A. Store materials so as to insure the preservation of their quality and fitness for the Work. Materials, even though accepted prior to storage, are subject to inspection and shall meet the requirements of the Contract before their use in the Work.

PART 2 PRODUCTS

2.01 MATERIALS (Amendments to ACI 301, Section 4, for Normal Weight Concrete and Section 7, for Lightweight Concrete):

- A. Water-reducing Admixture: ASTM C 494, Type A, and on the New York State Department of Transportation's current "Approved List".
- B. Fly Ash: ASTM C 618, including Table 1A (except for footnote A), Class F except that loss on ignition shall not exceed 4.0 percent.

2.02 PROPORTIONING (Amendments to ACI 301, Sections 4 & 7):

- A. Compressive Strength: Minimum 4,000 psi.
- B. Weight: Normal.
- C. Durability: Concrete shall be air-entrained. Design air content shall be 6 percent by volume, with an allowable tolerance of plus or minus 1.5 percent for total air content. Entrained air shall be provided by use of an approved air-entraining admixture. Air-entrained cement shall not be used.
- D. Slump:
 - 1. 4000 psi Normal Weight Concrete: Between 2 inches and 3 inches.
- E. Admixtures: Do not use admixtures in concrete unless specified or approved in writing by the Director.
- F. Selection of Proportions: Concrete proportions shall be established on the basis of previous field experience or laboratory trial batches, unless otherwise approved in writing by the Director. Proportion mix with a minimum cement content of 611 pounds per cubic yard for 4000 psi concrete.
 - 1. Optional Material: Fly ash may be substituted for (Portland) cement in normal weight concrete up to a maximum of 15 percent by weight of the required minimum (Portland) cement. If fly ash is incorporated in a concrete design mix, make necessary adjustments to the design mix to compensate for the use of fly ash as a partial replacement for (Portland) cement.
 - a. Adjustments shall include the required increase in air-entraining admixture to provide the specified air content.
 - b. Lower early strength of the concrete shall be considered in deciding when to remove formwork.

2.03 REINFORCEMENT (Amendments to ACI 301, Section 3):

- A. Bar Reinforcement: ASTM A 615, Grade 60, deformed steel bars.
- B. Tie Wire: Black annealed wire, 16-1/2 gage or heavier.

2.04 PRODUCTION (Amendments to ACI 301, Section 5):

- A. Provide ready-mixed concrete, either central-mixed or truck-mixed.

PART 3 EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Do not use items of aluminum for mixing, chuting, conveying, forming or finishing concrete, except magnesium alloy tools may be used for finishing.
- B. Keep excavations free of water. Do not deposit concrete in water.
- C. Hardened concrete, reinforcement, forms, and earth which will be in contact with fresh concrete shall be free from frost at the time of concrete placement.
- D. Prior to placement of concrete, remove all hardened concrete spillage and foreign materials from the space to be occupied by the concrete.

3.02 PLACING REINFORCEMENT (Amendments to ACI 301, Section 3):

- A. At the time concrete is placed, reinforcement shall be free of mud, oil, loose rust, loose mill scale, and other materials or coatings that may adversely affect or reduce the bond.

3.03 PLACING CONCRETE (Amendments to ACI 301, Section 5):

- A. Operation of truck mixers and agitators and discharge limitations shall conform to the requirements of ASTM C 94.
- B. Do not allow concrete to free fall more than 4 feet.

3.04 FINISHING FORMED SURFACES (Amendments to ACI 301, Section 5.3.3):

- A. Finish Schedule: Except where indicated otherwise on the Drawings, provide the finishes below:
 - 1. Rough Form Finish for concrete surfaces not exposed to view.

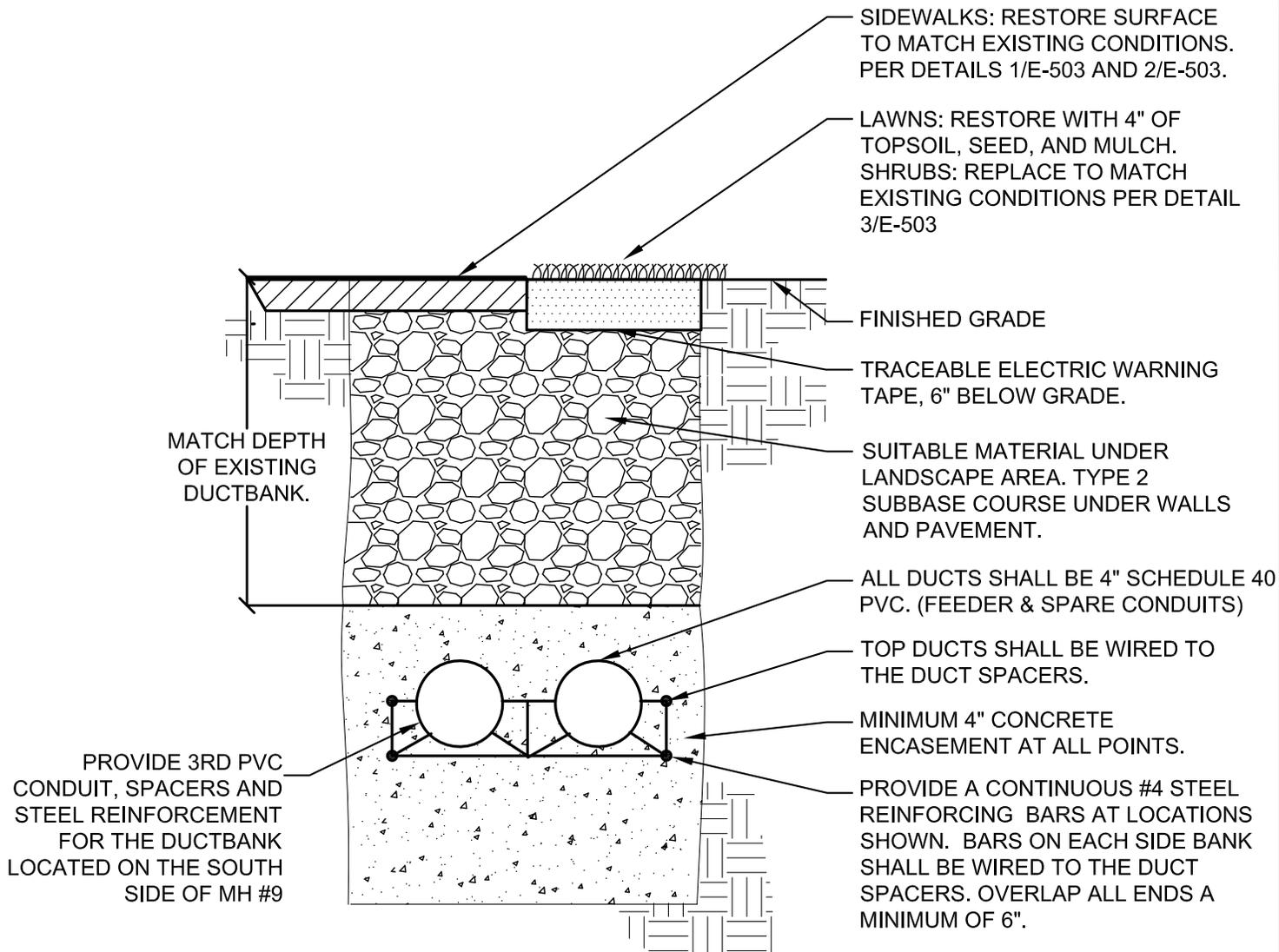
3.05 CURING AND PROTECTION (Amendments to ACI 301, Section 5.3.6):

- A. Apply chemical curing and anti-spalling compound in accordance with the recommendations of the manufacturer.

3.06 FIELD QUALITY CONTROL (Amendments to ACI 301, Section 1):

- A. Make available to the Director's Representatives whatever test samples are required to make tests. Furnish shipping boxes for compression test cylinders.

END OF SECTION



6
CONCRETE ENCASED DUCTBANK RENOVATION DETAIL 2

E-502
SCALE: NO SCALE

REFERENCE DRAWING: E-502

SHEET TITLE:
**MANHOLE RENOVATION
DETAIL**

PROJECT:
**RESTORE TRANSFORMER AND ELECTRICAL SERVICE CABLES,
BUILDINGS 5, 7 & 4-9**

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.

DWG NO:
SKE-1



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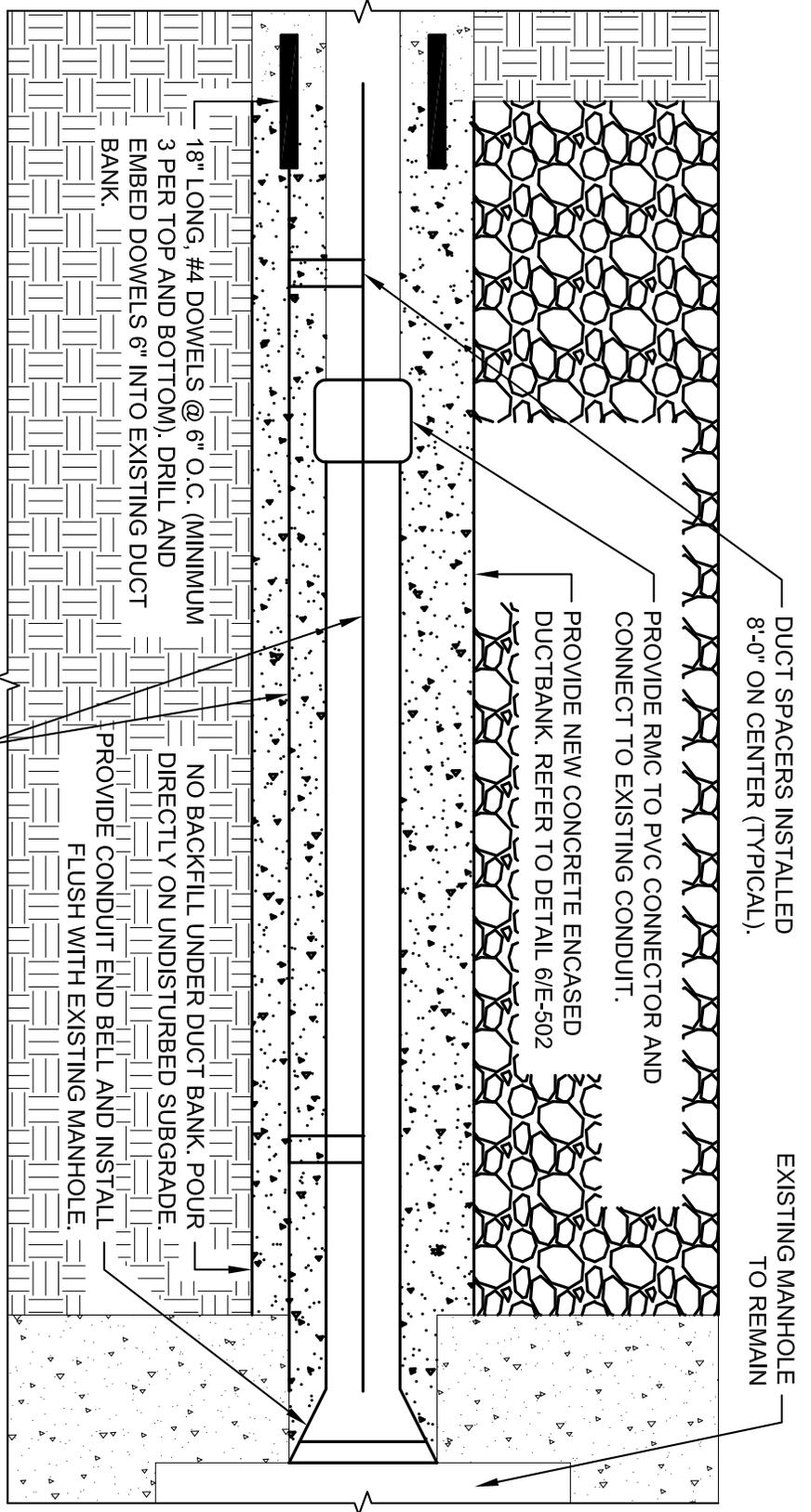
CONTRACT: **ELECTRICAL**
 PROJ. NO: **OGS # M3042**
 DATE: **12-29-2014**
 DRAWN: **FMB**
 APPROVED: **SRB**

5

CONCRETE ENCASED DUCTBANK RENOVATION DETAIL 1

E-502

SCALE: NO SCALE



REFERENCE DRAWING: E-502

SHEET TITLE:

MANHOLE RENOVATION DETAIL

PROJECT:

RESTORE TRANSFORMER AND ELECTRICAL SERVICE CABLES, BUILDINGS 5, 7 & 4-9

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DWG NO:

SKE-2



Serving New York

CONTRACT: **ELECTRICAL**
 PROJ. NO: OGS # M3042
 DATE: 12-29-2014
 DRAWN: **FMB**
 APPROVED: **SRB**



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