NEW YORK STATE | Office of General Services

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

ADDENDUM NO. 1 TO PROJECT NO. Q1861

CONSTRUCTION WORK
UPGRADE SEWER PIPING
NEW YORK STATE SCHOOL FOR THE BLIND
2A RICHMOND AVENUE
BATVIA, NY

September 12, 2025

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 333104 PLASTIC DRAINAGE PIPE (SANITARY): Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 333104 – 1 thru 333104 – 4) noted “Revised 9/10/2025”.

DRAWINGS

2. Revised Drawings:
    a. Drawing No. C-130, noted “ADDENDUM 01 9/10/2025”, accompanies this Addendum and supersedes the same numbered originally issued drawings.

END OF ADDENDUM

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

REVISED SPECIFICATION 9/10/2025
SECTION 333104

PLASTIC DRAINAGE PIPE (SANITARY)

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Earthwork: Section 310000.

B. Manholes: Section 333913.

1.02 SUBMITTALS

A. Product Data: Manufacturer’s specifications with all pertinent information regarding dimensions, fittings and installation instructions.

PART 2 PRODUCTS

2.01 GENERAL

A. Each length of pipe and each fitting shall be marked in accordance with the applicable ASTM Designation.

2.02 DRAINAGE PIPE AND FITTINGS

A. PVC Sewer Pipe and Fittings; (6 inches Diameter and Larger): SDR 35 and ASTM D 3034.

B. Plastic Pipe (4 and 6 inches Diameter, Solid and Perforated) for Building Drains, Cleanout Pipes, Discharge Lines, Leaching Fields, Drain Tiles, etc: PVC meeting ASTM D 2729 or SR (Styrene Rubber) meeting ASTM D 2852.

2.03 POLYETHYLENE (PE) PIPE

A. Comply with AWWA Specification C901.

B. Pipe Material: PE 3408 High Density Polyethylene (HDPE) meeting ASTM D 3350 cell classification of 334434-C.

C. Pipe:
   1. PE Pipe (SIDR-PR) based on controlled inside diameter: ASTM D 2239.
   2. PE Pipe (SDR-PR) based on controlled outside diameter: ASTM D 3035.

D. Pipe shall be of the size, SDR and pressure rating shown on the drawings or specified below.

PRESSURE RATINGS PER ASTM D 2239 AND ASTM D 3035 AT 23 DEGREES C (73.40 F)			
SIDR	**PR (PSI)**	**SDR**	**PR (PSI)**
5.3	250	7	267
7	200	9	200
9	160	11	160
11.5	125	13.5	128
15	100	15.5	110

E. Provide permanent identification of piping by co-extruding pipe identification, such as striping, into the pipe's outer surface. Identification material shall be the same material as the pipe material except for color. Identification printed or painted on the pipe surface will not be acceptable.

2.04 PLASTIC FITTINGS

A. Provide fittings of the same size and pressure rating as the pipe to which they are connected.

B. Provide fittings as recommended by the pipe manufacturer to comply with the appropriate Standard listed below:

PE Fused Socket Type, SDR 11: ASTM D 2683.

2.05 SOLVENT CEMENTS

A. Solvent cement used for joining plastic pipe and fittings shall meet the following designations for the various types of plastic pipe listed.
1. PVC: ASTM D 2564.
2. ABS: ASTM D 2235.
3. SR: ASTM D 3122.

PART 3 EXECUTION

3.01 INSPECTION

A. Inspect all pipe and fittings before installation. Remove defective pipe and fittings from the site.

B. Do not backfill before installation is inspected by the Director's Representative.

3.02 GENERAL

A. Install pipe in accordance with the manufacturer's recommendations and as specified in ASTM D 2321.

B. Join PVC pipe with solvent cemented joints as recommended by ASTM D 2855.

C. Use Cushion Material for bedding and backfill to the depth shown on the drawings for solid pipe.

D. Use No. 2 Coarse Aggregate for bedding and backfill to the depth shown on the drawings for perforated pipe.

3.03 INSTALLATION

A. Laying Pipe: Lay pipe to indicated line and grade with a firm uniform bearing for the entire length of the pipe. Excavate sufficient clearance at each bell or coupling to allow uniform bearing along the pipe barrel. Fill excess excavation with suitable material and tamp.

B. Joints:
   1. Wipe inside of sockets and outside of pipe to be jointed, clean and dry.
   2. Install rubber gaskets in accordance with the manufacturer's specifications.

C. Connections:
   1. Make connections to existing manholes by cutting into the floor or bench of the manhole and forming a new channel.
   2. If the pipe, manholes or other structures with which connection is to be made has not yet been installed, install the pipe to a point directed by the Director's Representative and plug or cap the end in a satisfactory manner.

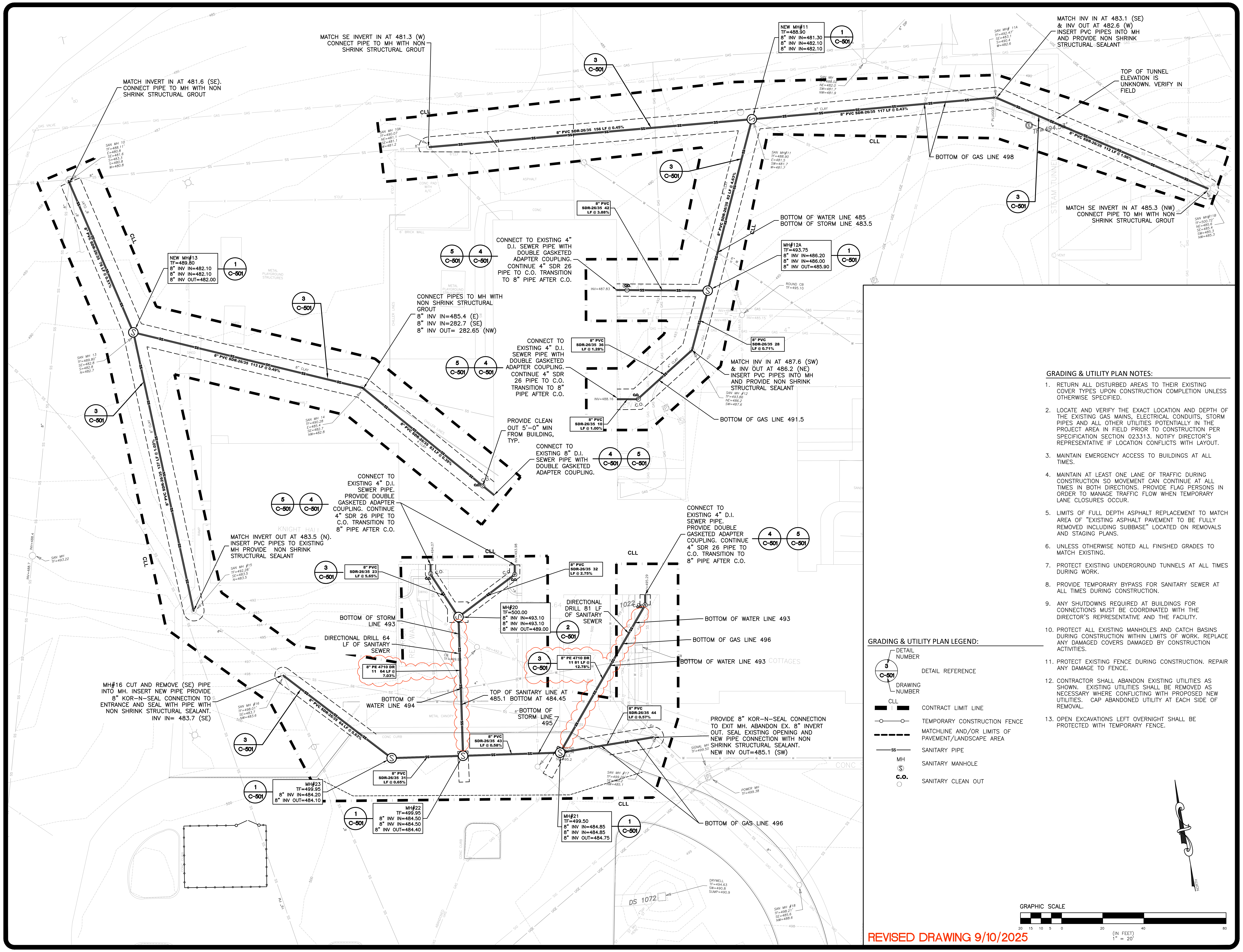
D. Cleanouts:
   1. Construct cleanouts at the locations shown and as detailed on the drawings.
   2. Use PVC wyes, bends and pipe as indicated.
   3. Extend cleanout piping to grade and terminate with deck plug installed in accordance with manufacturer's instructions.
   4. Install deck plug flush with grade with grade and encase with 2500 psi - concrete pad as shown.

3.04 LEAKAGE TESTS

A. Prior to backfilling and laying additional pipe, test the first 100 feet of sewer construction for leakage.
   1. Fill the sewer with water and maintain a head two feet above the highest section of Work being tested. Measure the quantity of leakage. When the sewer being tested is constructed in water bearing soil, the leakage test may, at the discretion of the Director's Representative, be made by measuring the quantity of infiltration into the sewer. The allowable leakage or infiltration shall not exceed 10 gallons per 24 hours per inch pipe diameter per 1000 feet of sewer being tested.
   2. If air testing is used, conform to the procedure described in ASTM F1417.

B. Additional leakage tests and a final test shall be performed as directed.

END OF SECTION



GRADING & UTILITY PLAN NOTES:

1. RETURN ALL DISTURBED AREAS TO THEIR EXISTING COVER TYPES UPON CONSTRUCTION COMPLETION UNLESS OTHERWISE SPECIFIED.
2. LOCATE AND VERIFY THE EXACT LOCATION AND DEPTH OF THE EXISTING GAS MAINS, ELECTRICAL CONDUITS, STORM PIPES AND ALL OTHER UTILITIES POTENTIALLY IN THE PROJECT AREA IN FIELD PRIOR TO CONSTRUCTION PER SPECIFICATION SECTION 023313. NOTIFY DIRECTOR'S REPRESENTATIVE IF LOCATION CONFLICTS WITH LAYOUT.
3. MAINTAIN EMERGENCY ACCESS TO BUILDINGS AT ALL TIMES.
4. MAINTAIN AT LEAST ONE LANE OF TRAFFIC DURING CONSTRUCTION SO MOVEMENT CAN CONTINUE AT ALL TIMES IN BOTH DIRECTIONS. PROVIDE FLAG PERSONS IN ORDER TO MANAGE TRAFFIC FLOW WHEN TEMPORARY LANE CLOSURES OCCUR.
5. LIMITS OF FULL DEPTH ASPHALT REPLACEMENT TO MATCH AREA OF "EXISTING ASPHALT PAVEMENT TO BE FULLY REMOVED INCLUDING SUBBASE" LOCATED ON REMOVALS AND STAGING PLANS.
6. UNLESS OTHERWISE NOTED ALL FINISHED GRADES TO MATCH EXISTING.
7. PROTECT EXISTING UNDERGROUND TUNNELS AT ALL TIMES DURING WORK.
8. PROVIDE TEMPORARY BYPASS FOR SANITARY SEWER AT ALL TIMES DURING CONSTRUCTION.
9. ANY SHUTDOWNS REQUIRED AT BUILDINGS FOR CONNECTIONS MUST BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE AND THE FACILITY.
10. PROTECT ALL EXISTING MANHOLES AND CATCH BASINS DURING CONSTRUCTION WITHIN LIMITS OF WORK. REPLACE ANY DAMAGED COVERS DAMAGED BY CONSTRUCTION ACTIVITIES.
11. PROTECT EXISTING FENCE DURING CONSTRUCTION. REPAIR ANY DAMAGE TO FENCE.
12. CONTRACTOR SHALL ABANDON EXISTING UTILITIES AS SHOWN. EXISTING UTILITIES SHALL BE REMOVED AS NECESSARY WHERE CONFLICTING WITH PROPOSED NEW UTILITIES. CAP ABANDONED UTILITY AT EACH SIDE OF REMOVAL.
13. OPEN EXCAVATIONS LEFT OVERNIGHT SHALL BE PROTECTED WITH TEMPORARY FENCE.

GRADING & UTILITY PLAN LEGEND:

DETAIL NUMBER 3 C-501 DRAWING NUMBER	DETAIL REFERENCE
CLL ▬ ǀ ▬	CONTRACT LIMIT LINE
—○———○—	TEMPORARY CONSTRUCTION FENCE
▬ ▬ ▬ ▬ ▬	MATCHLINE AND/OR LIMITS OF PAVEMENT/LANDSCAPE AREA
——SS——	SANITARY PIPE
MH Ⓢ	SANITARY MANHOLE
C.O. ○	SANITARY CLEAN OUT

REVISED DRAWING 9/10/2025

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DESIGN & CONSTRUCTION

CONSULTANT: ENVIRONMENTAL DESIGN PARTNERSHIP, LLP

CERTIFICATE OF AUTHORIZATION #: 037711

ENVIRONMENTAL DESIGN PARTNERSHIP, LLP.
edpllp.com

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BRIAN PAUL OSTERHOUT
079236

EXPIRES: 9/30/2027

CONTRACT:

TITLE:

UPGRADE SEWER PIPING

LOCATION:

2A RICHMOND AVENUE
BATAVIA, NY 14020

CLIENT:

NEW YORK STATE EDUCATION DEPARTMENT
SCHOOL FOR THE BLIND

1	9/10/2025	ADDENDUM 01
BPO	6/9/2025	BID DOCUMENST
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	Q1861 - C
DESIGNED BY:	DBR
DRAWN BY:	DBR
FIELD CHECK:	BPO
APPROVED:	BPO

SHEET TITLE:

GRADING & UTILITY PLAN

DRAWING NUMBER:

C–130

SHEET 9 OF 12

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36x24 PLOT SHEET