



R G Architects, LLC

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RG A No. 23030
17 September 2024

ADDENDUM NO. 2

STATE OF DELAWARE
Delaware Army National Guard
DEARNG Contract No. 2021-02
Parking Lot & Gate/Fence Replacement
198th Readiness Center
1401 Newport Gap Pike
Wilmington, DE 19804

R G Architects
200 West Main Street
Middletown, DE 19709
Phone: 302-376-8100 (phone)
Email: chris@rgarchitects.net

BIDS DUE:

Wednesday, September 25, 2024, at 1:00 p.m.
Bids will be opened and read aloud

LOCATION:

ATTN: Brittney M. Poore, Business Manager
Biden National Guard/Reserve Center,
Main Lobby Security Officers Desk
1 Vavala Way
New Castle , DE 19720

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 A copy of the current bid set register is available upon request indicating individuals that have purchased project documents from R G Architects, LLC.

2.0 Revisions to the SPECIFICATIONS

- 2.1 Section 33 40 00 – STORMWATER UTILITIES
 - 2.1.1 Section added in its entirety.

3.0 Revisions to the DRAWINGS

- 3.1 C-101 – COVER SHEET (see attached revised plans)
 - 3.1.1 Updated Limit of Disturbance
- 3.2 C-102 – DEMO/E&S (see attached revised plans)
 - 3.2.1 Deleted Mill/Overlay of existing driveway (except at keypad/bollards)
 - 3.2.2 Adjusted CFL for updated grading
- 3.3 C-103 – PAVING/GRADING PLAN (see attached revised plans)
 - 3.3.1 Shifted parking lot and SWM system to avoid existing utility pole
 - 3.3.2 Narrowed drive aisle through parking area from 24' to 22'
 - 3.3.3 Added curb around island for existing utility pole
 - 3.3.4 Additional erosion matting
- 3.4 C-103.1 – SITE CONSTRUCTION PLAN (see attached revised plans)
 - 3.4.1 Same as C-103
 - 3.4.2 Revised stormdrain piping run to Class IV RCP (shallow cover)
 - 3.4.3 Adjusted catch basin inverts for updated piping.
- 3.5 C-104 – SITE DETAILS (see attached revised plans)
 - 3.5.1 Added concrete pipe trench backfill detail
- 3.6 C-105 – FENCE LAYOUT (see attached revised plans)
 - 3.6.1 Adjusted coordinates for fence shift
- 3.7 C-106 – SITE AND DRAINAGE DETAILS (see attached revised plans)
 - 3.7.1 Added PWBD Detail
- 3.8 C-107 & 107.1 – EROSION AND SEDIMENT CONTROL DETAILS
 - 3.8.1 No Change (ATTACHED AS PART OF CIVIL PACKAGE)
- 3.9 C-108 – SWM DETAILS (see attached revised plans)
 - 3.9.1 Updated details, inverts, pipe materials, location of SWM system.

4.0 Questions

Q.1 None at this time.

A.1

5.0 Attachments:

- A. Bid Register
- B. Specification Section 33 40 00 – STORMWATER UTILITIES
- C. C-101 – COVER SHEET
- D. C-102 – DEMOLITION AND CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN
- E. C-103 – PAVING AND GRADING PLAN
- F. C-103.1 – SITE CONSTRUCTION PLAN

23030
DEARNG Contract No. 2021-02
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ADDENDUM # 2

- G. C-104 – SITE DETAILS
- H. C-105 – FENCE LAYOUT
- I. C-106 – SITE DRAINAGE DETAILS
- J. C-107 – EROSION & SEDIMENT CONTROL DETAILS
- K. C-107.1 – EROSION & SEDIMENT CONTROL DETAILS
- L. C-108 – STORMWATER MANAGEMENT DETAILS

End of Addendum No. 2

PLEASE PRINT CLEARLY

State of Delaware
Parking Lot & Gate/Fence Replacement
2021-02

Bids Due: **Wednesday, September 25, 2024 at 1:00 pm**

Biden National Guard/Reserve Center
1 Vavala Way, New Castle, DE 19720



RGA # 23030

BID DOCUMENTS REGISTER

PLEASE PRINT CLEARLY

\$ 50.00 per set

#01	Name of Company: <u>Eastern States Construction Service Inc.</u> Physical Address: <u>702 First State Boulevard</u> City, State: <u>Wilmington, DE 19804-3553</u> Contact: <u>Brian Salvucci</u> GC: YES ☒ NO ☐ EMAIL: <u>bsalvucci@eastern-states.net</u> Fax <u>302-995-2460</u> Phone: <u>302-995-2259</u> Date: <u>9/10/2024</u>
#02	Name of Company: <u>Gessler Construction Co., Inc.</u> Physical Address: <u>565 E St. Andrews Drive</u> City, State: <u>Media, PA 19063</u> Contact: <u>Bob Leboffe</u> GC: YES ☒ NO ☐ EMAIL: <u>office@gesslerconstruction.com</u> Fax _____ Phone: <u>267-334-2067</u> Date: <u>9/10/2024</u>
#03	Name of Company: <u>Zack Excavating, Inc.</u> Physical Address: <u>2935 S. DuPont Blvd.</u> City, State: <u>Smyrna, DE 19977</u> Contact: <u>Jessica Faulkner</u> GC: YES ☒ NO ☐ EMAIL: <u>jfaulkner@zackexc.com</u> Fax _____ Phone: <u>302-223-6223</u> Date: <u>9/10/2024</u>

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State of Delaware

Parking Lot & Gate/Fence Replacement

2021-02

Bids Due: **Wednesday, September 25, 2024 at 1:00 pm**

Biden National Guard/Reserve Center

1 Vavala Way, New Castle, DE 19720



RGA # 23030

BID DOCUMENTS REGISTER

PLEASE PRINT CLEARLY

#04	Name of Company: <u>Greggo and Ferrara Inc.</u> Physical Address: <u>4048 New Castle Avenue</u> City, State: <u>New Castle, DE 19720</u> Contact: <u>Pete Boyer</u> GC: YES ☒ NO ☐ EMAIL: <u>gnf.pboyer@gmail.com</u> Fax: _____ Phone: <u>302-841-1974</u> Date: <u>9/11/2024</u>
#05	Name of Company: _____ Physical Address: _____ City, State: _____ Contact: _____ GC: YES ☐ NO ☐ EMAIL: _____ Fax: _____ Phone: _____ Date: _____
#06	Name of Company: _____ Physical Address: _____ City, State: _____ Contact: _____ GC: YES ☐ NO ☐ EMAIL: _____ Fax: _____ Phone: _____ Date: _____
#07	Name of Company: _____ Physical Address: _____ City, State: _____ Contact: _____ GC: YES ☐ NO ☐ EMAIL: _____ Fax: _____ Phone: _____ Date: _____

SECTION 33 40 00
STORMWATER UTILITIES**PART 1 - GENERAL****1.1 DESCRIPTION**

- A. Furnish and install high density polyethylene (HDPE), Class IV reinforced concrete (RCP), and Schedule 40 PVC gravity storm sewer pipe and appurtenances as shown on the plans and described herein.
- B. Furnish and install catch basins and/or manholes, and connect existing pipes to manholes or catch basins, and connect proposed pipes to existing manholes or catch basins as shown on the Plans or as directed by the Engineer.
- C. Furnish and install underground stormwater management system where indicated on the plans.

1.2 STANDARDS

- A. American Society for Testing and Materials (ASTM)
 - 1. ASTM F-477: Elastomeric Seals for Joining Plastic Pipe
- B. Delaware Department of Transportation Standard Specifications for Road and Bridge Construction, dated January 2024, hereinafter referred to as the "Standard Specifications":
 - 1. Sections 601 and 1031: Pipe Culverts
 - 2. Section 602: Drainage Structures
 - 3. Section 1022: Portland Cement Concrete
- C. American Association of State Highway Transportation Officials (AASHTO)
 - 1. M170

1.3 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Storage and Materials
 - 1. Store materials to prevent physical damage.
 - 2. Store pipe and fittings off the ground to prevent dirt and debris from entering.
 - 3. Store flexible gasket materials and joint primer or adhesive compounds in cool dry place. Keep rubber gaskets clean, away from oil, grease, excessive heat, and out of direct sunlight.
- B. Handling of Materials
 - 1. Protect materials during transportation and installation to avoid physical damage.
 - 2. Do not install out-of-round pipe.
 - 3. Unload pipe to prevent abrasion.
 - 4. Do not drag or push pipe while handling or distributing on project site.

1.4 SUBMITTALS

- A. Submit manufacturer's product data for all pipe, fittings, gaskets, and appurtenances.
- B. Submit shop drawings for all manholes, catch basins, and drainage structures.
- C. Submit manufacturer's data and drawings for underground stormwater management systems, including geotextiles, and base and fill materials.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. High Density Polyethylene Pipe and Fittings.
 - 1. All polyethylene pipe 12-inches or larger in diameter shall have a corrugated outer wall and an integrally formed smooth interior, and shall meet AASHTO M294 and DelDOT Specifications Section 601 for Type "S" high density polyethylene pipe.
 - 2. Pipes, couplings, and fittings shall be meet the requirements of AASHTO M294, modified as follows: Minimum pipe stiffness shall be 35 psi at 5% deflection and 30 psi at 10% deflection, when tested in accordance with ASTM D-2412.
 - 3. Pipe joints shall be soil-tight or water-tight.
 - 4. Pipe shall be "N-12" as manufactured by Advanced Drainage Systems, Inc. (ADS), "Sure-Lok", as manufactured by Hancor, or approved equal.
 - 5. Corrugated polyethylene pipe smaller than 12 inches in diameter shall have a single corrugated wall with annular interior and exterior corrugations. Pipe and fittings shall meet the requirements of AASHTO M252. Pipe joints shall be by cleated bell, split, internal and snap couplers, and shall be soil tight. Pipe shall be as manufactured by Advanced Drainage Systems, Hancor, or approved equal.
- B. Reinforced Concrete Pipe
 - 1. Pipe shall be Class IV reinforced concrete pipe conforming to the requirements of the Standard Specifications.
- C. All catch basins and manholes shall be precast or cast-in-place Portland cement concrete (p.c.c.) and shall conform to Section 602 of the Standard Specifications. Precast manholes shall conform with ASTM C-478, except as noted on the Plan.
- D. Underground stormwater management systems shall meet the dimensions, specifications, and requirements shown on the Plans. Underground stormwater management systems shall be as manufactured by StormTech, a division of ADS, Inc., or pre-approved equal acceptable to DNREC, such as Cultec Recharger, or Ferguson Waterworks Segregator Pipe. Geotextiles and liners shall be as specified by the manufacturer or as shown on the Plans
- E. PVC pipe shall be solvent welded Schedule 40, of the diameter noted on the plans.

PART 3 - EXECUTION

3.1 MATERIAL INSPECTION

- A. Polyethylene pipe shall be marked with the pipe class, date of manufacture, and the name or trademark of the manufacturer.
 - 1. Inspect pipe for defects prior to placement in trench. The pipe and fittings shall be free from visible cracks, holes, foreign inclusions or other injurious defects.
- B. Ensure that all materials are of the type specified and are not defective. Unmarked pipe or pipe and materials not meeting Specification requirements shall be removed from the site as directed by the Engineer.
- C. Class IV RCP shall be free of cracking or other damage as identified in Section 601.C.2 of the Standard Specifications.

3.2 INSTALLATION

- A. Fine grade trench bottom so that pipe is supported for its full length.
- B. Install piping beginning at the low point of the system, true to grades and alignment indicated on the Plans. Place the bell ends of the pipe facing upstream.
- C. Do not lay pipe on unsuitable material, in wet trench, or in same trench with another pipe or utility.
- D. General Procedure for Joining Pipe
 - 1. Do not use excavating equipment to force pipe sections together.
 - 2. Hold pipe securely and in proper alignment when joining.
 - 3. Do not disturb previously made joints. Check completed piping to assure joints are intact. Ensure placement of backfill over pipe is accomplished without disturbing pipe position.
 - 4. Do not allow earth, stones, or other debris to enter pipe or fittings.
 - 5. Method of installing joint materials and joining piping shall be in strict accordance with manufacturer's printed instructions.
- E. Polyethylene pipe shall be installed in accordance with the manufacturer's written instructions or as directed by the Engineer. Joints for all polyethylene pipe greater than 12-inches in diameter shall be watertight in accordance with ASTM D3212. Gaskets shall meet the requirements of ASTM-F477.

3.3 BACKFILL AND COMPACTION

- A. Bedding and Initial Backfill
 - 1. Bedding and initial backfill shall be in accordance with the manufacturer's written instructions or, in absence of said instructions, in accordance with Section 31200 of these Specifications.
 - 2. Install initial backfill material as shown on the Plan details for the type of pipe being used.
 - 3. When required, material shall be placed under the pipe haunch to provide adequate side support. Material shall be installed for entire trench width and shall be tamped and rodded to insure full contact with pipe at haunch up to the spring line.
 - 4. Little or no tamping of the initial backfill directly over the pipe shall be done.

B. Final Backfill

1. Final backfill shall be in accordance with Section 31 20 00 of these Specifications.

3.4 CATCH BASINS AND MANHOLES

- A. Catch basins and manholes shall be installed in accordance with Section 602 of the Standard Specifications, except as noted on the plans.
- B. For DelDOT Standard Catch Basins, frames shall be well bedded in mortar, making a watertight joint. Cover and frame shall have a shop coat of asphaltic pitch and shall have a field coat of similar paint after the frame is set in final position.
- C. The PWDB Catch Basin may be constructed of block, cast in place, or pre-cast. The PWDB grate shall be galvanized.

3.6 UNDERGROUND STORMWATER MANAGEMENT SYSTEMS

- A. Underground stormwater management systems shall be installed in strict conformance with the manufacturer's written instructions and the details shown on the Plan. Any variation from the manufacturer's instructions or from the Plans requires prior written authorization.
- B. Geotechnical fabrics and liners shall be installed in accordance with the manufacturer's written instructions. Fabrics shall be laid so as to prevent ripping or tearing. Any ripped, torn, or damaged geotextiles or liners shall be removed and replaced at the Contractor's expense.

END OF SECTION