ADDENDUM NO. 3

March 8, 2023

JERRY ROSS ELEMENTARY SCHOOL ADDITIONS, RENOVATIONS, AND RELATED WORK
Crown Point, IN 46307

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated February 9, 2023 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 and attached Addendum No. 3 from Gibraltar Design dated March 8, 2023 and consisting of 1 page and Specification Section 33 46 00 - Subdrainage Systems.

A. SPECIFICATION SECTION 00 20 00 - TABLE OF CONTENTS

1. **Add:**

   Specification Section 33 46 00 - Subdrainage Systems

B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

A. BID CATEGORY NO. 1 - SITEWORK/GENERAL TRADES

1. **Add:**

   Specification Section 33 46 00 - Subdrainage Systems

ADDENDUM THREE

Addendum Three (AD.03) to the drawings and specifications prepared by Gibraltar Design for **Jerry Ross Elementary School Addition, Renovations, and Related Work** for Crown Point Community School Corporation, Crown Point, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. **Specification Section 00 01 10 Table of Contents**
   A. Add to Division 33: Specification Section 33 46 00, Subdrainage Systems.
2. **Specification Section 33 46 00 Subdrainage Systems**
   A. Add new Specification Section 33 46 00, Subdrainage Systems, included in this Addendum, to the Project Manual.

DRAWINGS

3. **Sheet AD-101**
   A. Under Demolition Plan Notes, add the following text to Keynote 30: "(minimum 42" below grade)".
4. **Sheet M-002**
   A. Under General Notes, add the following text : "Contractor shall provide a motorized isolation valve in the 6" boiler return by-pass piping. Isolation valves for the individual boilers shall be provided by the Boiler Manufacturer. Coordinate control requirements with the Boiler Manufacturer."

Page 1, inclusive, Specification Section 33 46 00, constitute the total makeup of **Addendum Three**.

GIBRALTAR DESIGN

Joseph P. Briggs

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SECTION 33 46 00
SUBDRAINAGE SYSTEMS

1 General

1.1 Section Includes

A. Building perimeter and underfloor weep drainage system.

B. Filter aggregate and setting bed.

1.2 Related Sections

A. Section 31 20 00 - Earthwork: Trenching and backfill.

1.3 References

A. ASTM D2729 - Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings.

B. ASTM F405 - Corrugated Polyethylene (PE) Tubing and Fittings.

C. ASTM F949 - Poly (Vinyl Chloride) (PVC) Corrugated Sewer Pipe with a Smooth Interior and Fittings.

1.4 Submittals

A. Submit product data under provisions of Division 1.

B. Submit product data on pipe, pipe accessories, fittings, and filter fabric.

1.5 Project Record Documents

A. Submit documents under provisions of Division 1.

B. Accurately record location of pipe runs, connections, cleanouts and invert elevations. Maintain accurate as-built drawings as project progresses.

C. Upon completion of project, submit one set of reproducible mylar drawings and two sets of blueline prints, with Contractor's stamp indicating date and labeled "Record Documents".

2 Products

2.1 Pipe Materials

A. Polyvinyl Chloride Pipe: ASTM F949; perforated, with required fittings.

1. Contech A-2000 or approved equal.

2.2 Filter Aggregate

A. Coarse Filter Aggregate: Clean, well graded, natural gravel crushed stone free from shale, clay, organic materials or debris; graded to __ municipal standardthe following limits.

Sieve Size	Percent Passing
1 1/2 inch	100
1 inch	80 to 100
3/4 inch	60 to 95
1/2 inch	30 to 80
3/8 inch	20 to 50
No. 4	0 to 15
No. 8	0 to 10

2.3 Underdrain And Footing/Foundation Drain Materials

A. Footing/Foundation Drains: 6 inch perforated, unplasticized polyvinyl chloride pipe, ASTM D2729, with perforations in two rows at approximately 6 inches on centers; fittings of same material.

2.4 Accessories

A. Filter Fabric:

1. 140NL as manufactured by Nicolon Corporation, Norcross, Georgia.

2. 311 as manufactured by Synthetic Industries, Chattanooga, Tennessee.

3. 4545 as manufactured by Amoco Fabrics and Fibers Company, Atlanta, Georgia.

4. FX-35HS as manufactured by Carthage Mills, Cincinnati, Ohio.

B. Pipe Fittings: Same material as pipe, molded to suit pipe size and end design, in required tees, elbows, cleanouts, and other required configurations.

3 Execution

3.1 Examination

A. Verify that trench cut excavation base is ready to receive work, and excavations, dimensions, and elevations are as indicated on Drawings.

B. Beginning of installation means acceptance of existing conditions.

3.2 Preparation

A. Hand trim excavations to required elevations.

1. Correct over excavation with fill material as specified in Section 31 20 00.

B. Remove large stones or other hard matter which could damage drainage tile or impede consistent backfilling or compaction.

3.3 Installation

A. Pipe Underdrain:

1. Lay filter fabric in trench.

2. Install and join pipe and pipe fittings in accordance with manufacturers' instructions.

3. Place drainage tile on minimum 2 inch deep bed of coarse filter aggregate.

4. Place pipe with perforations facing down.

a. Mechanically join pipe ends.

5. Lay pipe to slope gradients noted on Drawings.

6. Install coarse filter aggregate at sides, and top of pipe.

a. Provide top cover compacted thickness of 12__ inches, or as indicated on Drawings.

7. Place filter aggregate in maximum 6-inch lifts, consolidating each lift.

8. Place filter fabric over leveled top surface of filter aggregate cover prior to subsequent backfilling operations. Lap fabric a minimum of 6 inches.

B. Connect to storm sewer system, to the nearest underdrain or catch basin with unperforated pipe.

3.4 Field Quality Control

A. Field inspection will be performed under provisions of Division 1.

3.5 Protection

A. Protect finished installation under provisions of Division 1.

B. Protect pipe and filter aggregate cover from damage or displacement until backfilling operation begins.

END OF SECTION