Addendum No. 1

Rock River Water Reclamation District

West State Street Sanitary Sewer
Capital Project No. 2014

This Addendum No. 1, dated June 17, 2021, for the above-referenced project, supersedes all contrary and conflicting information in the specifications and contract documents, which are hereby supplemented or revised as follows:

Article 3, Detailed Specifications

1. Add the following to *Part 11.2 Materials:*
    a. Cellular Concrete conforming to Part 1029 of *IDOT Standard Specifications* will also be allowed. Minimum compressive strength shall be 50 PSI at 28 days (ASTM C495/C796).
2. Add the Following to *Part 11.3 Required Submittals:*
    a. Cellular Concrete Mix Design.
3. Add the attached specification section, *Article 3, Part 26 - Bedding Backfill and Compaction* that was inadvertently omitted from the original contract documents.

This information shall be taken into consideration when preparing your bid. This addendum will be Emailed to all plan holders as well as posted to the District's website at www.rrwrd.dst.il.us.

End of Addendum No. 1

Issued June 17, 2021

Rock River Water Reclamation District

Christopher T. Baer, PE
Director of Engineering

Encl: *Article 3, Part 26 - Bedding, Backfill and Compaction*

26 Bedding, Backfill and Compaction

26.1 Pipe Bedding

Pipe bedding for PVC pipe shall be Class IA per ASTM Standard D2321. The trench bottom shall be bedded with a minimum of six inches (6") of crushed stone foundation. Crushed stone shall be placed to a minimum of twelve inches (12") above the top of the pipe, as shown on the District's *Standard Detail Sheet*.

Bedding shall be graded such that it precludes the migration of trench wall material into the bedding; the District shall approve this bedding material after the characteristics of the trench are determined. In the event that the trench bottom is unstable, as determined by the District, the Contractor shall undercut the trench as required and furnish foundation material at no additional cost to the District. The foundation material shall be a coarse aggregate material of a gradation distribution that will inhibit the migration of the bedding material into trench bottoms and walls.

In the event the water table is above the bottom of the pipe bedding, or the trench bottom is unstable or unsuitable, a porous granular foundation meeting *IDOT Standard Specifications* of CA-5 or CA-3 stone shall be installed as necessary below the granular bedding material, extending to the limits of the bedding diagram at no extra cost to the District.

Should boulders, frozen material, etc., which could damage the pipe be present in the native backfill material, the Contractor shall bring the bedding material to a point twenty-four inches (24") above the crown of the pipe (cost incidental).

26.2 Backfill and Compaction

The Contractor shall use approved select trench backfill to the level of the base under all roads, shoulders, sidewalks, driveways, parking lots or pavements of any kind and beyond such pavements as set forth in General Provisions and Technical Specifications T.S. 2:4–c. Select trench backfill under said structures shall meet FA 6 gradation and be mechanically compacted in six-inch (6") to eighteen-inch (18") loose lifts to the sub-grade elevation of the road shoulder, sidewalk, driveway, parking lot or pavement. The materials and compaction shall be in accordance with *Section 208* and *550.07*, Method 1 of the *IDOT Standard Specifications*.

For granular backfill a vibratory plate, or other approved equipment-mounted compaction equipment must be used by the Contractor to compact the backfill in lifts not to exceed eighteen inches (18"). Water-jetting, ponding or flooding will not be permitted as a means of trench compaction.

All select trench backfill shall be compacted to ninety-five percent (95%) of Proctor density; all other backfill shall be compacted to ninety percent (90%) minimum of Proctor density. Contractor shall provide third-party confirmation of subgrade compaction.

The Contractor shall furnish a backhoe and operator during the testing of the backfill placed during construction. All compaction tests will be performed at the Contractor's expense by an approved, independent geotechnical-testing firm. If the tests do not meet the compaction requirement specified above, the area shall be both re-compacted and re-tested at the Contractor's expense until the test requirements are met. If initial tests indicate compaction requirements are being met, no further lift testing will be required unless method, equipment or material changes. The final lift forming the sub-grade must be tested.

In trenches not requiring select trench backfill, no excavated material larger than eight inches (8") in any dimension shall be used in the backfill.

Contractor shall properly dispose of all spoil at no additional cost to the District. The Contractor shall exercise care not to disturb any existing utilities during backfilling and compaction operations.

26.3 Submittals

1. Pipe bedding and select trench backfill material gradation certifications.

26.4 Payment

Payment for bedding, backfill and compaction shall be incidental to sanitary sewer construction. No separate payment will be made for bedding, backfill and compaction.