



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
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February 7, 2024

NOTICE TO ALL CONTRACTORS:

Proposal #20: 4517-06-71, WISC 20240213
V Allouez, Libal Street
STH 172 to Kalb Ave
Local Street
Brown County

Letting of February 13, 2024

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
29	Storm Lateral PVC 6-Inch, Item SPV.0090.02.
30	Storm Sewer Pipe PVC 4-Inch, Item SPV.0090.03; Storm Sewer Pipe PVC 6-Inch, Item SPV.0090.04; Storm Sewer Pipe PVC 18-Inch, Item SPV.0090.05.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

4517-06-71

February 7, 2024

Special Provisions

29. Storm Lateral PVC 6-Inch, Item SPV.0090.02.

Replace entire article language with the following:

A Description

This section describes furnishing and installing storm sewer laterals.

B Materials

General

Where materials are herein specified by reference to an ASTM or AASHTO Specification, the contractor shall furnish to the owner, written certifications from the materials manufacturer certifying that all the materials furnished comply in all respects with the requirements of the referenced specifications.

Pipe

Polyvinyl Chloride (PVC) Pipe: Polyvinyl chloride (PVC) pipe shall conform to cell class 12454 in accordance with ASTM Specification Designation D1784.

Pipe sizes 6-inches shall be schedule 40.

Joints and Connections

Polyvinyl Chloride (PVC) Joints 6-inch: Joints for PVC sewer pipe shall be joined by solvent weld joints.

Dissimilar Pipe Joints: Connections between different types of pipe or where two pipes of the same material meet without a bell and spigot are to be made using Fernco Strong Back RC Series repair coupling meeting ASTM designations C-1173 and D-5926.

Wyes

Connection to New PVC or Composite Storm Sewer: In-line wye or tee with gasket having same class and physical properties as the Storm Sewer pipe.

Connection to Concrete Storm Sewer:

New Connection: Insert a Tee flexible watertight connector installed into a precast or core drilled opening in the concrete storm sewer.

Replacement of an Existing Connection: Connection shall be made using a Fernco Flexible Tap Saddle approved by the Village.

Connection to Existing PVC Storm: Solvent Cement Weld PVC Live Main Tap Saddle Wye. The wye shall conform to the requirements of the latest revision of ASTM Specifications Designation D-2564.

Tracer Wire

Tracer wire is to be GREEN and/or WHITE No. 10AWG, single conductor THHN with type UF insulation installed with them. Tracer wire splices shall be soldered with heat shrink ideal twister DB Plus, or equal.

Foundation and Trench Backfill

Furnish according to Storm Sewer special provision article.

Landscape Areas - Beginning 1-ft Behind Back of Curb

Backfill with native soils. All roots, debris, rocks, or large stones or other unsuitable materials which in the opinion of the engineer would cause interference with the compaction requirements shall not be permitted in the backfill.

C Construction

Storm Lateral

Existing laterals shall be located by the contractor in the field.

Unless otherwise noted, connect to the existing laterals at the property line.

Connection to existing laterals shall be made with non-shear stainless steel couplings.

In absence of grade stakes, services shall be deep enough to pick up the lowest service point, with targeted bury depth of no less than 42 inches.

Services shall be at a slope no flatter than 1/8-inch per foot.

When a service is not connected for immediate use, provide the following: Watertight cap on service end and mark location below the surface with wooden 2-inch by 4-inch.

Pipe laying shall proceed upgrade with spigot pointing in direction of flow.

Newly installed laterals shall have a pipe diameter of equal or greater size than the existing lateral at the point of connection. Downsizing is not allowed.

The Village of Allouez will obtain construction permits to allow installation of storm laterals approximately 1 foot beyond right-of-way for constructability purposes. Verify construction permits have been obtained; any parcel without a construction permit shall only install storm lateral up to right-of-way line. (Village of Allouez Sean Gehin, (920) 448-2802).

Trenching and Backfilling

Excavate to sufficient width and depth to permit proper utility construction.

Excavate the trench to at least 6 inches below the elevation established for the bottom of the pipe. Backfill to this depth according to Storm Sewer special provision article. Mechanically compact Backfill before laying the pipe.

After laying the pipe, place and mechanically compact the foundation Backfill to an elevation of 12 inches above the pipe to provide full and continuous support. Backfill the remainder of the trench using backfill material as indicated above under **Materials**.

Compact the trench backfill in lifts not to exceed 8 inches in compacted depth. The contractor shall have a vibratory type compactor in operating condition on the job site before starting to backfill. The entire fill shall be compacted to not less than 95 percent of maximum density at optimum moisture as determined according to the modified Proctor Test, AASHTO T180-10.

Wyes

In-Line Wye and Tees: All wyes and Tees shall be placed at an angle of not less than 45 degrees with the vertical plane of the storm sewer. Wyes shall be of such dimension to accommodate the diameter of the lateral pipe and have rubber ring gaskets. The wye is placed in-line of the new main to align with new or existing lateral locations.

Concrete Pipe Connection: Insert watertight Inserta Tee connector into precast or cored drilled opening per the manufacturer's recommendations.

Tracer Wire

Tracer wire shall be installed on new PVC sewer laterals from the connection to the wye at the main to the furthest end of the lateral excavation by strapping the wire to the pipe walls by means of a minimum of two complete wraps of electrical tape at intervals of a maximum of 20 feet and at all bends.

If splicing is required, the use of a direct bury, waterproof splice site is required.

A one-inch PVC pipe shall be placed vertically at the end of the sewer lateral trench. The tracer wire shall be installed within the PVC pipe from the lateral to near the surface of the ground and connected to a tracer wire box. The PVC pipe and the tracer wire box should overlap a minimum of 6 inches.

Wire junctions between new sewer laterals wires and existing tracer wires from a building shall be made using a direct bury, waterproof splice.

Tracer wire boxes shall be installed so that the top of the box will align with the grade and slope of the proposed finished grade at that location.

Television Inspection of Lateral

Contractor shall televise installed laterals. Televising shall be conducted within 30 days of the installation of the lateral, but before the commencement of the paving. A televised report and a video recording of the installed sewer pipe shall be provided to the village.

Existing Sewer Service

When interruption of the existing service laterals is required in execution of the work, the contractor shall provide temporary service connections and/or by-pass pumping as necessary to complete the work and shall be included in the price of storm sewer lateral. The contractor shall provide adequate equipment and facilities to provide bypass pumping for all elements of work requiring interruption to the flow in the lateral. Provide backup or standby capabilities satisfactory to the owner. The contractor shall be responsible for damages to private or public property due to sewer backup while controlling the flow in the lateral.

Removal of Existing Service Lateral

Removal of existing service lateral is incidental to the installation of the new service lateral.

D Measurement

Storm Lateral PVC 6-Inch shall be measured per linear foot, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Storm Lateral PVC 6-Inch	LF

Payment shall be full compensation for providing all equipment, labor, materials, excavating, by-passing, tees, wyes, caps, backfill, hauling and disposal of excess material, tracer wire, removal of existing lateral,

televising and any other incidentals necessary to acceptably complete the installation of the storm sewer lateral.

- 30. Storm Sewer Pipe PVC 4-Inch, Item SPV.0090.03;
Storm Sewer Pipe PVC 6-Inch, Item SPV.0090.04;
Storm Sewer Pipe PVC 18-Inch, Item SPV.0090.05.**

Replace entire article language with the following:

A Description

This special provision describes furnishing and installing Poly Vinyl Chloride (PVC) storm sewer pipe.

B Materials

For PVC pipe sizes 4-inch and 6-inch provide solid-wall PVC storm sewer pipe and fittings in accordance with ASTM D1784. Provided pipe and fittings shall be schedule 40.

Assemble solvent cement joints using solvent cement obtained from the pipe manufacturer, which conforms to the requirements of ASTM D2564.

The assembled joint must pass the performance tests as required in ASTM D3212.

For PVC pipe size 18-inch provide solid-wall PVC storm sewer pipe and fittings meeting ASTM F679. Provided pipe and fittings shall be standard dimension ratio (SDR) of 35.

Provide ASTM Specification Designation D3034 SDR-26 pipe for storm sewer mains deeper than 12 feet.

Furnish backfill according to Storm Sewer special provision article.

C Construction

Install PVC storm sewer pipe according to the applicable provisions of standard spec 520, at the alignment and grades shown on the plans.

Install pipe fittings according to the manufacturer's recommendation.

Removal of Existing Service Lateral

Removal of existing Storm Sewer Pipe PVC (size) is incidental to the installation of the new Storm Sewer Pipe PVC (size).

D Measurement

The department will measure Storm Sewer Pipe PVC (size) by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Storm Sewer Pipe PVC 4-Inch	LF
SPV.0090.04	Storm Sewer Pipe PVC 6-Inch	LF
SPV.0090.05	Storm Sewer Pipe PVC 18-Inch	LF

Payment is full compensation for providing all materials, including fittings; for all excavating except rock excavation; for forming the foundation; providing and removing sheeting and shoring; for removing existing pipe, laying new pipe and sealing joints, and making connections to new or existing fixtures; and for backfilling, for providing granular backfill material, including bedding material.

END OF ADDENDUM