



**SPECIAL PROVISIONS
FOR
INLINE DRAIN, PVC, 8 IN.**

**Linn County
TAP-U-1187(801)--8I-57**

**Effective Date
August 18, 2026**

THE STANDARD SPECIFICATIONS, SERIES 2023, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

236082.01 DESCRIPTION.

A. General.

This item involves supplying and installing the inline drain, PVC, 8 in. as indicated on the contract documents and referenced within the following specifications.

B. Specification References.

Nyloplast, a division of Advanced Drainage Systems, Inc. or approved equal

C. Submittals.

- 1. Material and Equipment List:** Within 30 days after awarding of the contract for the project, submit a completed list of materials and equipment. Submit two copies to the Engineer for written approval before any equipment or materials are ordered.
- 2. Shop Drawings:** Submit three copies of shop drawings for the inline drain to be furnished on the project. Submit three copies of catalog cuts and manufacturer's specifications for all items in the equipment list.

236082.02 MATERIALS.

A. General System Requirements.

The inline drain shall be PVC pipe stock, utilizing a thermos-molding process to reform the pipe stock to the furnished configuration.

B. Plastic Pipe and Fittings.

- 1. PVC.**

- a. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric seals shall conform to ASTM F477.
- b. The pipe bell spigot shall be joined to the inline drain body by use of swage mechanical joint.
- c. The raw materials used to manufacture the pipe stock that is used to manufacture the inline drain body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.
- d. PVC Pipe shall be Schedule 40, PVC C900, corrugated & ribbed PVC.

2. Ductile Iron.

- a. The grates furnished for the inline drain shall be ductile iron grates.
- b. The ductile iron frame & grate shall be sized for 8 IN.
- c. The ductile iron frame & grate shall be made specifically for each fitting so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet.
- d. Grates for inline drains shall be capable of supporting H-10 loading for pedestrian areas.
- e. Metal used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05 for ductile iron.
- f. Ductile iron frame & grates shall be painted black.

236082.03 CONSTRUCTION.

The specified inline drain shall be installed using conventional flexible pipe backfill materials and procedures. The backfill materials shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in ASTM D2321. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. The inline drain will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height.

236082.04 METHOD OF MEASUREMENT.

Shall be at the contract unit price per each for inline drain, PVC, 8 in.

236082.05 BASIS OF PAYMENT.

- A. This item shall be paid at the contract unit price per each inline drain, PVC, 8 in. installed. All labor, materials, and equipment necessary for installation of the inline drain will not be paid for separately, but shall be considered incidental to this item.
- B. Unit price includes, but is not limited to, the furnishing and installation of all pipe, risers, fittings, elbow connection, ductile iron frame & grate, rubber sleeve, stainless steel band, gasketed PVC hub, and all other parts required as detailed on the inline drain, PVC 8 in. detail and shall be considered incidental to this item. This item includes all excavations, surface preparation work, repair or restoration of any disturbed areas to pre-construction conditions, bedding and backfill.