

LAND DRAINAGE SEWER

1. GENERAL

1.1 Work Included

- .1 The Work included in this Section generally includes, but is not limited to the following items:
 - .1 Construction of new land drainage sewers and catchbasins by open trench and trenchless methods.
 - .2 The land drainage sewers include those sections that begin 1.0 m from the south face of the Bulk Chemical Storage Building and Sodium Hypochlorite Building and end 1.0 m from the south face of the electrical ductbanks.

1.2 References

- .1 The following specifications of the City of Winnipeg Standard Construction Specifications latest edition are applicable to the Work:
 - .1 CW 2030 Excavation, Bedding and Backfill
 - .2 CW 2130 Gravity Sewers
 - .3 CW 2160 Concrete Underground Structures and Works
 - .4 Division 3 Standard Details – Underground Works
 - .1 SD-001 Standard Pipe Bedding Classes
 - .2 SD-002 Standard Trench and Excavation Backfill Classes
 - .3 SD-003 Jetting Nozzle Insertion Locations
 - .4 SD-020 Nine Arm Mandrel and Proving Ring for 5.25% Deflection Testing of SDR 35 PVC Pipe
 - .5 SD-023 Curb and Gutter Inlet with Catch Pit
 - .6 SD-024 Catchbasin with Curb and Gutter Inlet
 - .7 SD-025 Standard Catchbasin
 - .5 Division 3 Approved Products for Underground Works

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2. PRODUCTS

2.1 Materials

- .1 Use only those products listed as Approved Products for Underground Use in the City of Winnipeg in the City of Winnipeg Standard Construction Specification, or as noted herein.

3. EXECUTION

3.1 Excavation, Bedding and Backfill

- .1 Do excavation, bedding and backfill to CW 2030.
- .2 Pipe bedding shall be Class B compacted sand bedding except as follows:
 - .1 Bedding and initial backfill for multiple pipes in common trench shall be Type 2 material as specified in Table CW 2030.1.

3.2 Installation

- .1 Installation to CW 2130.
- .2 Connect to piping at structures using approved couplings.
- .3 Plug sewers at termination point shown and mark with 50 x 250 rough planking extending from sewer invert to 1.0 m above grade.

END OF SECTION