

PART 1 - GENERAL

- 1.1 Description .1 This section specifies requirements for supplying and installing storm sewer with bedding material to lines, grades, and dimensions indicated or directed.
- 1.2 References .1 CAN/CSA B182.1-96 (or latest edition), Plastic Drain and Sewer Pipe and Pipe Fittings.
.2 ASTM D3034-96 (or latest edition), Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
- 1.3 Related Work .1 Refer to other Specification Sections for related information.
- 1.4 Samples .1 At least 2 weeks prior to commencing work, inform Departmental Representative of proposed source of bedding materials and provide access for sampling.
- 1.5 Scheduling of Work .1 Schedule work to minimize interruptions to service area users.

PART 2 - PRODUCTS

- 2.1 Plastic Pipe .1 Plastic pipe to CAN/CSA B182.1, with push on joints, SDR-26.
.2 Type PSM Poly Vinyl Chloride (PVC) to ASTM D3034 with gasket and integral bell system.
- 2.2 Pipe Bedding Materials .1 Nominal Clear Stone to Section 32 11 25.

PART 3 - EXECUTION

- 3.1 Preparation .1 Clean pipes and fittings of debris and water before installation. Carefully inspect materials for defects before installing. Remove defective materials from site.
- 3.2 Excavating and Backfilling .1 Do excavating and backfill work in accordance with Section 31 23 10.
.2 Do not allow contents of any sewer or sewer connection to flow into trench.
.3 Trench line and depth require approval prior to placing bedding material and pipe.

- 3.3 Nominal Clear Stone Bedding
- .1 Place Nominal Clear Stone bedding materials to details indicated or directed.
 - .2 Shape bed true to grade and to provide continuous, uniform bearing surface for barrel of pipe. Do not use blocks when bedding pipe.
 - .3 Shape transverse depressions as required to receive bell if bell and spigot pipe is used.
 - .4 Consolidate clear stone bedding to maximum density.
 - .5 Fill excavation below bottom of specified bedding adjacent to catch basin with bedding material as directed.
- 3.4 Installation
- .1 Lay and join pipe in accordance with manufacturer's recommendations.
 - .2 Lay pipes on prepared bed, true to line and grade with pipe inverts smooth and free of sags or high points. Ensure barrel of each pipe is in contact with shaped bed throughout its full length.
 - .3 Commence laying at outlet and proceed in upstream direction with socket ends of pipe facing upgrade.
 - .4 Do not exceed maximum joint deflection recommended by pipe manufacturer.
 - .5 Do not allow water to flow through pipes during construction except as may be permitted by Departmental Representative.
 - .6 Whenever work is suspended, install removable watertight bulkhead at open end of last pipe laid to prevent entry of foreign materials.
 - .7 Position and join pipes by methods approved by Departmental Representative.
 - .8 When any stoppage of work occurs, block pipes as directed to prevent "creep" during down time.
 - .9 Make watertight connections to catch basin. Use non-shrink grout when suitable gaskets are not available.

END OF SECTION