
PIPE CULVERTS

PART 1 GENERAL**1.1 Related Work**

- .1 All Division 1 Specification Sections
- .2 Section [02743](#) Asphalt Concrete Paving
- .3 Section [02911](#) Site Topsoil & Finished Grading

PART 2 PRODUCTS**2.1 Corrugated Steel Pipe**

- .1 Corrugated zinc coated hot dip galvanized steel pipe to CAN3-G401-M81.
- .2 Culverts shall be supplied with ends formed to accept end sections and/or couplers. Each culvert shall be supplied and installed with galvanized metal aprons as per detail Drawing No. PDD-510. Culvert to be installed complete with connecting bands, couplers, plates, bolts and such special metal fittings required. Galvanized end sections shall be of approved manufacturer. All hardware shall be galvanized.
- .3 Culverts shall be seamless all-welded construction for all locations within the Region of Peels jurisdiction including Regional road ditches.

2.2 Setting Bed

- .1 Coarse concrete sand to CSA A82.56M1976.

PART 3 EXECUTION**3.1 Trenching And Backfill**

- .1 Trench line and depth requires approval prior to placing bedding material or pipe.
- .2 Do not backfill until pipe grade and alignment is inspected and accepted by the Consultant.

3.2 Laying Corrugated Steel Pipe Culverts

- .1 Commence pipe installation at downstream end.
- .2 Ensure bottom of pipe is in contact with sand bed throughout its entire length.

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- .3 Do not allow water through culvert during installation except as permitted by the Consultant.
- .4 Backfill around and over the pipe shall be specified granular backfill, in layers and compacted to 98% S.P.D.

3.3 Joints: Corrugated Steel Culverts

- .1 Corrugated steel pipe:
 - .1 Match corrugations or indentations of the coupler with pipe sections before tightening.
 - .2 Tap couplers firmly during tightening, to secure properly.
 - .3 Insert and secure bolts.
- .2 Galvanized apron end section shall be installed in accordance with manufacturer's instructions. All bolts to be installed "facing downwards" alongside of the culvert prior to backfilling.

3.4 End Aprons

- .1 End apron fastening band to be placed such that the bolt and tabs are below grade after backfilling.

END OF SECTION - 02634