
CONSTRUCTION SPECIFICATION
INSTRUCTION FOR USE
CS-I-OR-224 CONDUITS & PIPELINES

224.1 APPLICABILITY

Construction Specification CS-OR-224 is applicable for installation of culverts, irrigation pipelines, drainage pipelines, conduits for dams or water control structures, underground outlets and other pipelines for the conveyance of water. This specification shall be used for the installation of conduits and pipelines where quality control of the installation is essential for proper functioning. Supplementary specifications may also be required.

224.2 MATERIAL SPECIFICATIONS

The following material specifications complement Construction Specification CS-OR-224:

- a) MS-OR-554---Steel Pipe
- b) MS-OR-305, Corrugated Plastic Tile
- c) MS-OR-592---Geotextile
- d) MS-OR-521---Aggregates for Drainfill and Filters
- e) MS-OR-302---Bedding
- f) MS-OR-548---Corrugated Polyethylene Tubing.

224.3 ITEMS TO BE INCLUDED IN THE SPECIFICATIONS AND ON THE DRAWINGS

- a) Show engineering and structural details on drawings.
- b) Show hydraulic gradient on the drawings.
- c) Material type, size, quality and quantity should be specified and shown on the drawings.
- d) Trench width and depth should be specified and shown on the drawings.
- e) Specify bedding requirements, if applicable.
- f) Specify subgrade preparation.
- g) Filter requirements and gradation should be specified and shown on the drawings, if applicable.

- h) Size and location of all air vents, gates, valves, meters, thrust blocks, outlets and other appurtenances should be specified and location shown on the drawings.
- i) Trash racks or screening device should be shown on the drawings, if applicable.
- j) Specify special backfill requirements, if applicable.
- k) Specify special safety requirements, if applicable.
- l) Specify cathodic protection, if applicable.

224.4 ITEMS OF WORK AND CONSTRUCTION DETAILS

Starting at the top of page 224–3, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.