

# INSTRUCTIONS FOR USE OF WASHINGTON CONSTRUCTION SPECIFICATION (CS-52)

## CONDUITS AND PIPELINES

### 1. Applicability

Construction Specification CS-52 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.

### 2. Material Specifications

The NRCS material specifications complementary to Washington State Construction Specification CS-52 are MS-204, Steel Pipe, MS-208, Corrugated Plastic Tile, MS-209, Fabric Filters, MS-210, Aggregate Filters, MS-211, Bedding and MS-220, Corrugated Polyethylene Pipe.

### 3. Special Items to be Included on the Drawings

- a. Complete engineering and structural detail drawings
- b. Hydraulic gradient
- c. Material type, size, quality and quantity
- d. Trench width and depth
- e. Bedding requirements, if applicable
- f. Subgrade preparation
- g. Filter requirements and gradation, if applicable
- h. Size and location of all air vents, gates, valves, meters, thrust blocks, outlets and other appurtenances
- i. Trash racks or screening device, if applicable
- j. Special backfill requirements, if applicable
- k. Special safety requirements, if applicable
- l. Specify cathodic protection, if applicable
- m. Specify method of measurement and payment, if applicable