

## INSTRUCTIONS FOR USE

# Construction Specification 44 – Corrugated Polyethylene Tubing

### 1. Applicability

Construction Specification 44 is applicable for use for land drainage and drains for embankments, foundations, structures, and other conduit systems.

### 2. Material Specifications

Material Specification 548, Corrugated Polyethylene Tubing, complements Construction Specification 44.

### 3. Included Items

Items to be included in construction specifications and drawings follow

- a. Line and grade of tubing. Include in Section 9, Items of work and construction details, any applicable limitations or restrictions on the grade of the tubing, such as reverse grades are not acceptable.
- b. Details of the trench bottom
- c. Details of the bedding including description and grading limits of the bedding material
- d. Describe in Section 9 the range of overexcavation that will be permitted without corrective measures
- e. Diameter(s) of the tubing and interior finish (corrugated or smooth wall)
- f. Describe any special filter envelope for tubing, if required
- g. Type of joint and details for any special joints
- h. Details of special fittings and appurtenances
- i. Details for connections with other appurtenances or existing structures, or both
- j. Details and specifications for nylon sock, when required

#### **4. Measurement and Payment**

Method 1 – Includes all excavation and earth backfill to install the pipe.

Method 2 – Intended for use when separate payment items are identified for earthwork.

When a nylon sock or other special filter material is an installation requirement, mention the item in Section 9 of this specification as an included item for measurement and payment if it is not a separate item in the bid schedule.

When specifications are prepared using electronic procedures and all methods but one are deleted for use in the contract specification, delete from the last paragraph, "*All Methods – The following provisions apply to all methods of measurement and payment.*" Left justify the remaining text.

*Note:* At the present time, ASTM does not have a standard for double wall or ribbed pipe or the tubing covered by AASHTO M252 and M294.

#### **5. Items of Work and Construction Details**

Starting at the top of page 44–3, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions. For ease of utilization, the use of recyclable color paper for the IWCD should be considered.