

**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

The following specification is complementary to Construction Specification 44:

- a. Corrugated Polyethylene Tubing. Specification 548

3. ITEMS TO BE INCLUDED IN CONTRACT SPECIFICATIONS AND DRAWINGS

- a. Line and grade of tubing. Include in the Items of Work and Construction Details, Section 9, any applicable limitations or restrictions on the grade of the tubing, such as, reverse grades will not be 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 over-excavation 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 and/or existing structures.
- j. Details and specifications for nylon sock, when required.

4. DISCUSSION OF METHODS

- a. Section 8, Measurement and Payment

(1) Method 1 includes all excavation and earth backfill to install the pipe.

(2) Method 2 is 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 but one method are deleted for use in the contract specification, delete "All Methods The following provisions apply to all methods of measurement and payment." and 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.