
Instructions for use**Construction Specifications 97—Geomembrane Liner****1. Applicability**

Construction Specification 97 is applicable to the placement of geomembrane liners in liquid containment systems to control seepage.

2. Material specifications

Material Specification 594, Geomembrane Liner, is complementary to this specification.

3. Included items

Items to be included in the contract drawings and specifications follow:

- a. The type of liner material being used and the required thickness.
- b. The required lines and grades of the liner subgrade and the cover layer, if applicable.
- c. Details of panel placement, orientation, and anchorage.
- d. Requirements for subgrade compaction.
- e. Requirements of any cushioning material to be used and the material references for the same.
- f. Requirements for a geosynthetic rub sheet, as mentioned in section 6, Liner Placement
- g. Requirements for under drains and the associated materials.
- h. Details for any loading, unloading, or cleanout ramps; including batten strips or other means of fastening.
- i. Details for pipe outlets and boots or appurtenances to fit the liner to the pipe, concrete, or steel structures, as mentioned in section 11, Appurtenances.
- j. Details of gas vents and their locations, as mentioned in section 12, Gas Vents and Drainage.
- k. Details for fences, ladders, or other safety features.

- l. Requirements for cover soil, as mentioned in section 13, Cover Soil.
- m. Requirements for concrete placement including the slump of the concrete, as mentioned in section 14, Placement of concrete.
- n. Any special instructions related to the materials, installation, and onsite quality control testing.

4. Items of work and construction details

Starting at the top of page 97-5, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.

