TABLE G-1
Disposal Fields

	Minimum	Maximum
Number of drain lines per field	1	–
Length of each line	–	30m
Bottom width of trench	46cm	0.9m
Spacing of lines, center-to-center	1.8m	–
Depth of earth cover of lines [preferred – 46cm]	30cm	–
Grade of lines	level	25mm/m
Filter material under drain line	30cm	–
Filter material over drain lines	50mm	–

SI: 1mm = 0.04 in.; 1m = 3.3 f.; 1 cm = 0.4 in.

(I) Disposal fields shall be constructed as follows:
(See Table K-1)

Spacing between trenches or leaching beds shall be not less 1.2m (4 ft.) plus 60cm (2 ft.) for each additional 30cm (1 ft.) of depth exceeding 30cm (1 ft.) below the bottom of the drain line. Distribution drain lines in leaching beds shall not exceed 1.8m (6 ft.) apart on centers, and no part of the perimeter of the leaching bed shall exceed 90cm (3 ft.) from a distribution drain line. Disposal fields, trenches, and leaching beds shall not be paved over or covered by concrete or any material that can reduce or inhibit any possible evaporation of sewer effluent.

(J) When necessary on sloping ground to prevent excessive line slope, leach lines or leach beds shall be stepped. The lines between each horizontal section shall be made with water-tight joints and shall be designed so each horizontal leaching trench or bed shall be utilized to the maximum capacity before the effluent shall pass to the next lower leach line or bed. The lines between each horizontal leaching section shall be made with approved water-tight joints and installed on natural or unfilled ground.

G 7.0 Seepage Pits.

(A) The capacity of seepage pits shall be based on the quantity of liquid waste discharging thereinto and on the character and porosity of the surrounding soil, and shall conform to Section K 3.0 of this appendix.

(B) Multiple seepage pit installations shall be served through an approved distribution box or be connected in series by means of a water-tight connection laid on undistributed or compacted soil; the outlet from the pit shall have an approved vented leg fitting extending not less than 30cm (12 in.) below the inlet fitting.

(C) Each seepage pit shall be circular in shape and shall have an excavated diameter of not less than 1.2m (4 ft.). Each such pit shall be lined with approved-type whole new hard-burned clay brick, concrete brick, concrete circular-type cesspool blocks, or other approved materials. Approval shall be obtained prior to construction for any pit having an excavated diameter exceeding 1.8m (6 ft.).

(D) The lining in every seepage pit shall be laid on a firm foundation. Lining materials shall be placed tight together and laid with joints staggered. Except in the case of approved-type precast concrete circular sections, no brick or block shall be greater in height than its width, and shall be laid flat to form not less than a 100mm (4 in.) wall. Brick or block exceeding 30cm (12 in.) in length shall have chamfered matching ends and be scored to provide for seepage. Excavation voids behind the brick, block, or concrete liner shall have not less than 15cm (6 in.) and 20mm (3/4 in.) clean gravel or rock.

(E) All brick or block used in seepage pit construction shall have a compressive strength of not less than 170bar (2,500 psi).

(F) Each seepage pit shall have a sidewall (not including the arch) of not less than 3m (10 ft.) below the inlet.

(G) The arch or dome of any seepage pit shall be permitted to be constructed in one of three ways:

(1) Approved type hard-burned clay brick or solid concrete brick or block laid in cement mortar.

(2) Approved brick or block laid dry. In both of the above methods, an approved cement mortar covering of not less 50mm (2 in.) in thickness shall be applied, said covering to extend not less than 15cm (6 in.) beyond the sidewalls of the pit.

(3) Approved type one- or two-piece reinforced concrete slab of 170bar (2,500 psi) minimum compressive strength, not less than 13cm (5