

6. Excavation must provide the dike and embankment details listed in Table 4-28.

**Table 4-28. Dike and embankment slope minimums.**

Dike and Embankment	Minimum Slopes
Inner slopes	3:1
Outer slopes	2:1
Embankment width (top)	4 feet minimum

7. System must be fenced to exclude children, pets, and livestock. A sign on the fence indicating *Danger—Human Sewage* shall be erected.
8. Diversion ditches or curtain drains must be installed on sloping terrain to prevent surface runoff from entering the system.
9. A reserve area equal to the size of the second cell shall be required.
10. Before operation of the system, the first cell shall be filled with 2 feet of make-up water.
11. Shallow permeable topsoils shall be removed before starting excavation and construction (topsoils may be saved and used to provide vegetative cover on the dike embankments).
12. Dike levees and embankments shall be adequately compacted. Inlet piping trenches shall be compacted to 90% standard proctor density.
13. No vehicles with pneumatic tires shall be permitted on the basal area or inside slope of the cells.
14. Top and outer embankment shall be seeded or adequately protected from erosion.

#### 4.28.5 Inspection

Inspections may be required during construction and after completion. Inspections shall include slope verification, interior and exterior dimensions, splash pads, clean outs, signs, fencing, O&M manual, and embankment seeding.

1. Site must be inspected at the time the cells are excavated.
2. Inspections may be required during embankment construction to ensure adequacy of fill compaction.
3. Prior to operation and before filling the first cell with make-up water, a final inspection shall be completed.

#### 4.28.6 Operation and Maintenance

O&M procedures shall be followed as outlined in the approval conditions in section 4.28.2.

Figure 4-33 shows a cross-sectional view of a two-cell infiltrative system. Figure 4-34 provides an overhead view of a two-cell infiltrative system.