

SECTION 7 FIRST-TIME SYSTEMS

A. SETBACKS AND SITING FOR FIRST-TIME DISPOSAL SYSTEMS

1. General: Any system, other than replacement systems as defined by these Rules, designed to serve a specific structure or property is a first-time system. The minimum horizontal setbacks between first-time disposal system components and site features are set forth in Table 7B, except as otherwise authorized in this Section.
2. Reductions in Setback Distances between a First-Time Disposal System and a Private Potable Water Supply: If a site evaluator determines that it is impractical to install a first-time disposal system which is designed to handle 1,000 gpd or less, at least 100 feet from a potable water supply, the LPI may authorize the setback reductions set forth in Table 7A, provided that reductions are minimized.

TABLE 7A
Reduction in setbacks between a Private Potable Water Supply
and a disposal field with a design flow of less than 1,000 gpd

Depth of well casing or liner seal below ground level	Reduction in the minimum 100 ft setback distance
>40 feet to 55 feet	100 down to 90 feet
>55 feet to 70 feet	100 down to 80 feet
>70 feet to 86 feet	100 down to 70 feet
>86 feet	100 down to 60 feet

3. Additional Setback Reductions Between First-Time Disposal Systems and Site Features other than Private Potable Water Supplies which may be Authorized by the Department: If a site evaluator determines that it is impractical to install a first time disposal system in accordance with Table 7B, the Department may authorize additional setback reductions, provided that the site conditions and ground water flow are such that the disposal system design will offer at least as much protection as would be expected using the setback distances prescribed in Table 7B.
4. Disposal fields installed completely in the original ground: If the disposal field is completely installed in original ground, the backfill material must completely cover the disposal fields. The disposal field must be adequately crowned on level disposal fields (3 percent minimum grade) to allow for settling so that surface water will be allowed to drain from the site without ponding.
5. Disposal fields installed partially in or above the original ground: Disposal fields installed partially in or above the original ground must meet the following requirements:
 - (a) Extent of backfill material: The fill layer must include any backfill beneath the disposal field, the shoulders, and the fill extensions surrounding the disposal field on all sides.
 - (b) Shoulder width and slope: The minimum required shoulder width is 3 feet. The finished grade of the shoulder must be sloped at 3 percent away from the disposal field or conform to the slope of the finish grade of the disposal field.
 - (c) Fill extension: At the outside edge of the shoulder, the backfill material must be terminated by sloping the top of the backfill layer downward at a slope of at least 4 horizontal feet for each vertical foot drop (25 percent slope) to the original ground.
 - i. The fill extension must reach the existing ground before an existing ground slope of 3:1 (33 percent) or within 100 feet horizontal distance of the disposal field; or