1. Standard Drawings E 716-BKFL-01, 02, 03, and 07 illustrate the requirements for pipe installations utilizing structure backfill. Standard Drawings E 716-BKFL-02, 04, 05, and 06 illustrate the requirements for pipe installations utilizing flexible backfill.

2. Protective cover shall be constructed prior to placing heavy equipment over installed pipes. The minimum covers are listed below:
   a) 1.0 ft for Lc ≤ 18", where Lc = pipe diameter or span
   b) 1.5 ft for 18" < Lc ≤ 54".
   c) 4 ft for Lc > 54"

3. For backfill purposes, paved shoulders, curbs, and sidewalks are considered pavement.

4. Method 1 backfill shall be utilized for all Types 5 or 6 pipe installed parallel to the approach or public road approaches and within E-0 of pavement. Method 2 backfill shall be utilized for each pipe installed outside E-0 from pavement.

5. If the existing ground line is less than Vc above the proposed top of pipe elevation, the embankment shall be constructed to at least Vc above the proposed top of pipe elevation prior to pipe installation. Vc = 12" for Lc ≤ 18", and Vc = 18" for Lc > 18".

6. In paved median areas, structure backfill shall be utilized instead of compacted earth backfill between the Vc dimension above the pipe and the top of the bench.

7. Plastic or structure backfill shall be removed by compacted earth backfill. The minimum encasement shall be 2 ft. If necessary, the 2 ft space between the bedding the flexible or structure backfill and the encasement shall be modified to maintain the minimum 2 ft encasement.

8. Plastic backfill shall be utilized for plastic pipes fabricated of non-hydraulic design limit loads and installed at locations where residual 1 backfill is required.