GENERAL NOTES

1. Standard Drawings 718-BKFL-01, 05, 06 and 07 illustrate the requirements for pipe installations utilizing structure backfill. Standard Drawings 718-BKFL-02, 04, 08, and 09 illustrate the requirements for pipe installations using flexible backfill.

2. Protective cover shall be constructed prior to placing heavy equipment over installed pipe. The minimum covers are listed below:
   a) 0.6 m for \( D_i < D_o \) pipe diameter or open
   b) 0.8 m for \( 0.8 < D_i \leq 1.5 D_o \)
   c) 1.2 m for \( D_i > 1.5 D_o \)

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

4. Method 1 backfill shall be utilized for all Type 2 or 5 pipe installed parallel to the roadway or public right-of-way and with an embankment of less than 1500 m from pavement. Method 2 backfill shall be utilized for each pipe installed outside 1500 m from pavement.

5. If the existing ground line is less than 900 above the proposed top of pipe elevation, the embankment shall be constructed to at least 900 above the proposed top of pipe elevation prior to pipe installation. \( V_i = 900 \) for \( 900 < V_i \leq 1200 \) and \( V_i = 1200 \) for \( V_i > 1200 \).

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 embankment.

7. Flexible or structure backfill shall be encased by compacted earth backfill. The minimum encasement shall be 0.6 m. If necessary, the 2:1 slope between the flexible or structure backfill and the encasement shall be modified to maintain the minimum 0.6 m encasement.

8. Flexible backfill shall be utilized for plastic pipes fabricated of non-hydrotreated design base materials and installed at locations where sealed backfill is required.

PIECE STRUCTURE BACKFILL

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STANDARD DRAWINGS NO. 718-BKFL-09

[Diagram and specifications]