**Notes:**

1. Protective cover shall be constructed prior to running heavy equipment over installed pipes. The minimum covers are listed below:
   a) 0.5 m for \( B_e = 150 \)
   b) 0.6 m for \( 150 < B_e < 1800 \)
   c) 1.2 m for \( B_e > 1800 \)

2. For backfill purposes, covered shoulders, curbs, and sidewalks are conditioned pavement. See Standard Detailing 715-BKFL-10 for pavement limits when curbs, paved shoulders, or sidewalks are present.

3. Geotextile required if coarse aggregate is used. Geotextile should extend 300 beyond each edge of the excavated trench or line of slope.

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**Legend:**

- \( H_e \) = Overall diameter or rise (typ.)
- \( B_e \) = Overall diameter or span
- \( A \) = 200 m in fill height less than 0.5 m
  - 300 m for fill height of 0.5 m or more
- \( V_e \) = 300 for \( B_e = 400 \)
  - 450 for \( B_e > 450 \)
- \( T_2 \) = Trench cover depth over pipe
- \( W \) = \( 0.3 B_e \) or 254, whichever is greater
- \( L_4 \) = Backfill length measured from toe to toe of the 2:1 slopes.

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**Indiana Department of Transportation**

**Pipe Backfill Method 3**

**Median Installation, Trench**

**September 2007**

**Standard Drawing No. 715-BKFL-08**