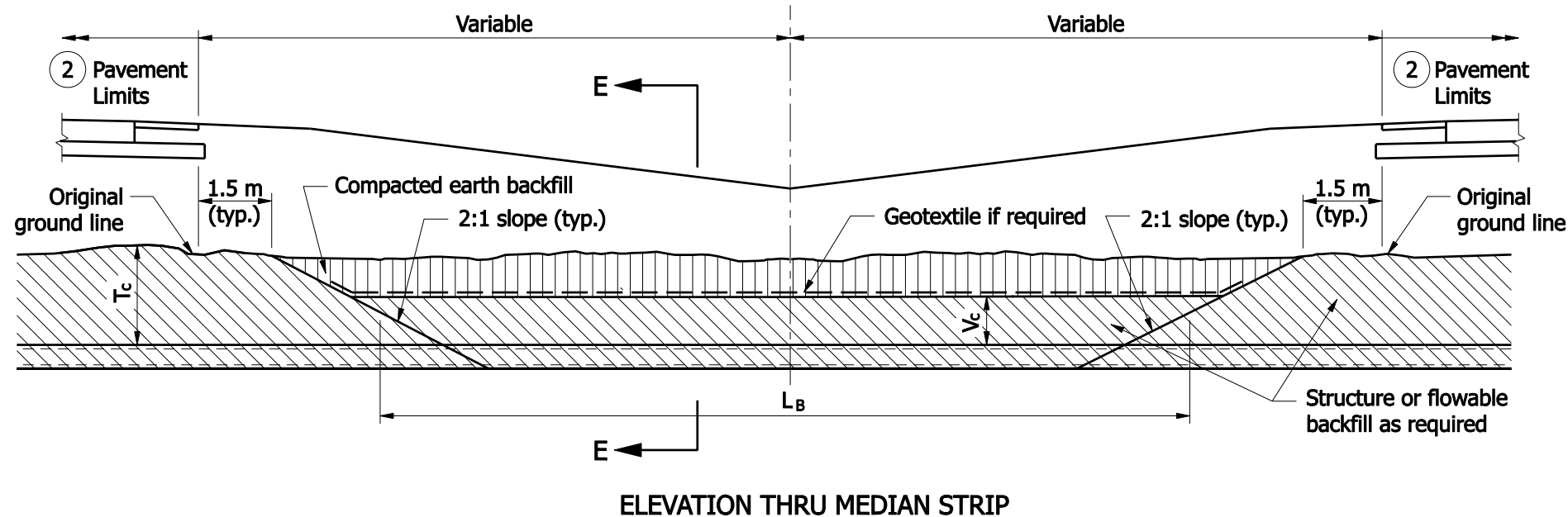


**LEGEND**

- $H_c$  = Overall diameter or rise (typ.)
- $B_c$  = Overall diameter or span
- A = 200 min. for fill height less than 5.0 m  
= 300 min. for fill height of 5.0 m or more
- $V_c$  = 300 for  $B_c \leq 450$   
450 for  $B_c > 450$
- $T_c$  = Trench cover depth over pipe
- W = 0.3  $B_c$  or 230, whichever is greater
- $L_B$  = Backfill length measured from toe to toe of the 2:1 slopes.

**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  $B_c \leq 450$
  - b.) 0.9 m for  $18" < B_c \leq 1350$
  - c.) 1.2 m for  $B_c > 1350$
2. For backfill purposes, paved shoulders, curbs, and sidewalks are considered pavement. See Standard Drawing 715-BKFL-10 for pavement limits when curbs, paved shoulders, or sidewalks are present.



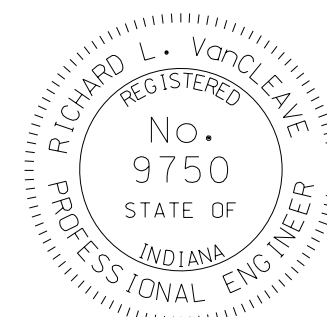
All Dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

PIPE BACKFILL METHOD 3  
MEDIAN INSTALLATION, TRENCH

SEPTEMBER 2008

STANDARD DRAWING NO. 715-BKFL-08



*/s/ Richard L. VanCleave* 09/02/08  
DESIGN STANDARDS ENGINEER DATE

*/s/ Mark A. Miller* 09/02/08  
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER