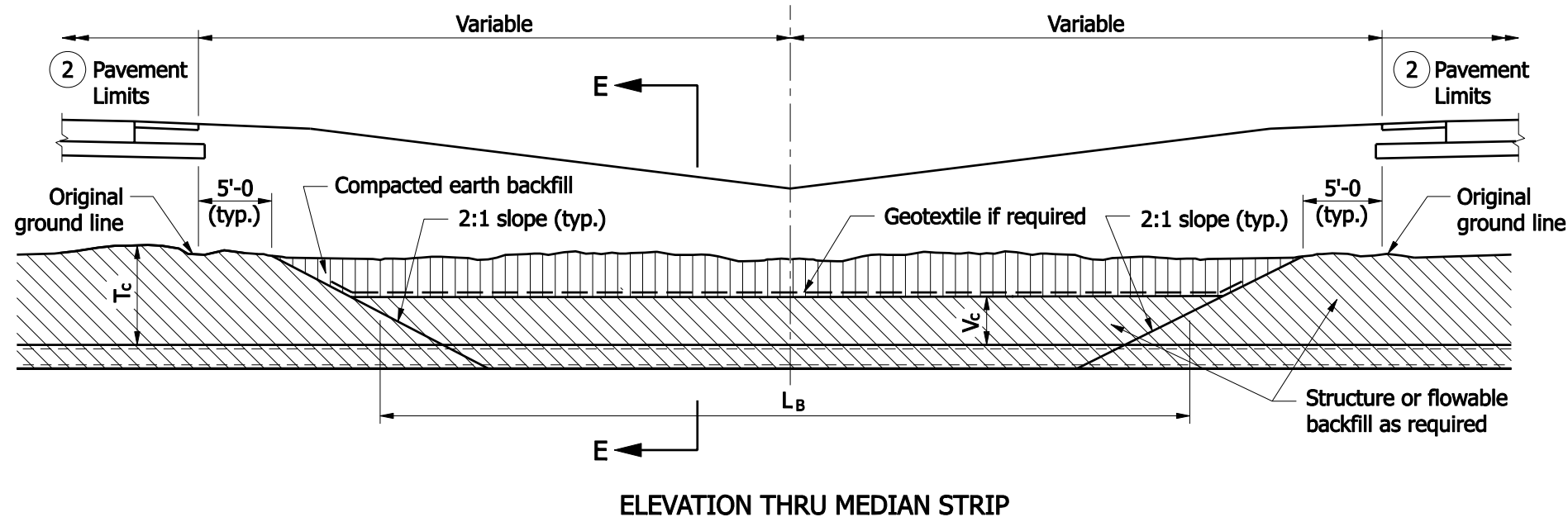


**LEGEND**

- $H_c$  = Overall diameter or rise (typ.)
- $B_c$  = Overall diameter or span
- A = 8" min. for fill height less than 16'  
= 12" min. for fill height of 16' or more
- $V_c$  = 12" for  $B_c \leq 18"$   
18" for  $B_c > 18"$
- $T_c$  = Trench cover depth over pipe
- W = 0.3  $B_c$  or 9", 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.) 1.5' for  $B_c \leq 18"$
  - b.) 3' for  $18" < B_c \leq 54"$
  - c.) 4' for  $B_c > 54"$
2. For backfill purposes, paved shoulders, curbs, and sidewalks are considered pavement. See Standard Drawing E 715-BKFL-10 for pavement limits when curbs, paved shoulders, or sidewalks are present.



<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	
<b>PIPE BACKFILL METHOD 3 MEDIAN INSTALLATION, TRENCH</b>	
<b>SEPTEMBER 2008</b>	
<b>STANDARD DRAWING NO. E 715-BKFL-08</b>	
	<p><i>/s/ Richard L. VanCleave</i>      09/02/08 DESIGN STANDARDS ENGINEER      DATE</p> <p><i>/s/ Mark A. Miller</i>      09/02/08 CHIEF HIGHWAY ENGINEER      DATE</p>
<b>DESIGN STANDARDS ENGINEER</b>	