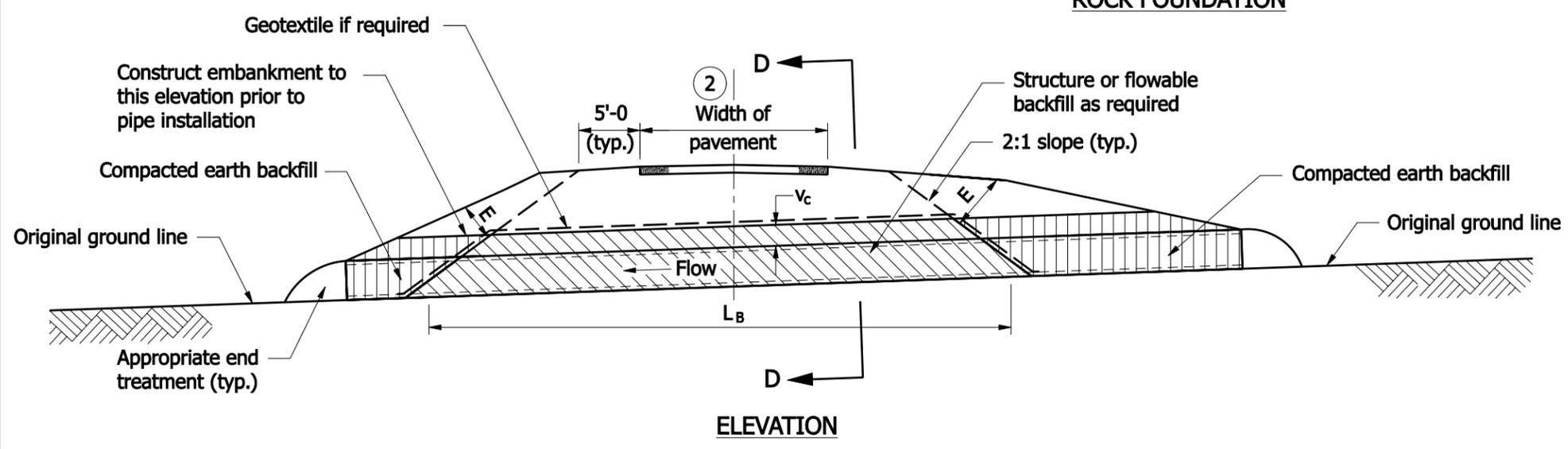
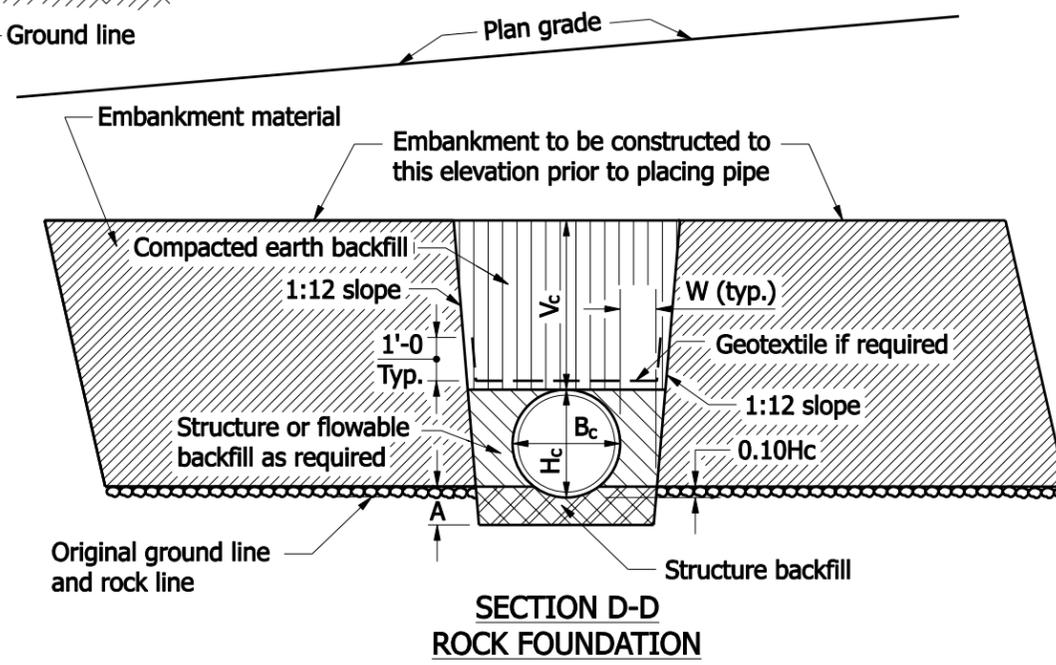


**LEGEND**

- $H_c$  = 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  $B_c > 18"$
- W = 0.3  $B_c$  or 9", whichever is greater
- E = Encasement
- $L_B$  = 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.
3. Flowable or structure backfill shall be encased by compacted earth backfill. The minimum encasement shall be 2 ft. If necessary, the 2:1 slope between the flowable or structure backfill and the encasement shall be modified to maintain the minimum 2 ft encasement.

<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>									
<b>PIPE BACKFILL METHOD 2 NEW OR EXISTING DRIVE</b>									
<b>SEPTEMBER 2008</b>									
<b>STANDARD DRAWING NO. E 715-BKFL-07</b>									
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