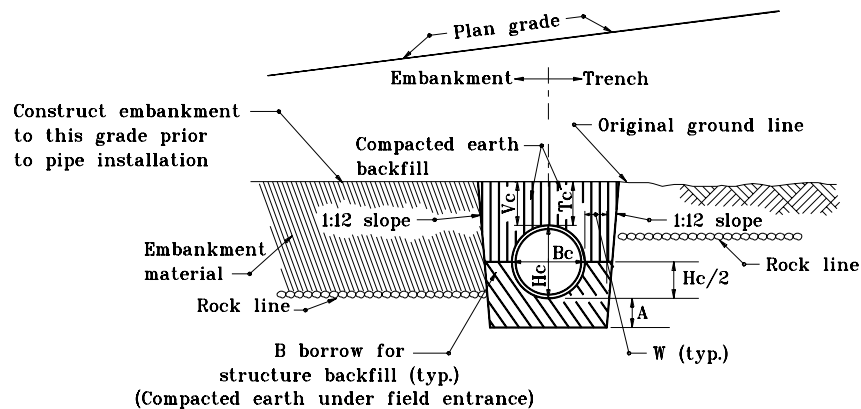


## NOTES

1. Refer to Standard Drawing E 715-BKFL-09 for general notes.



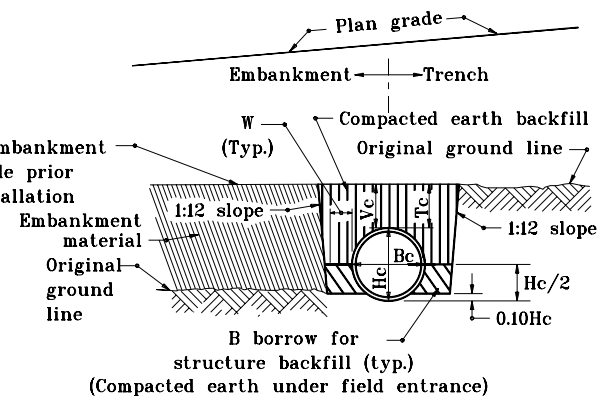
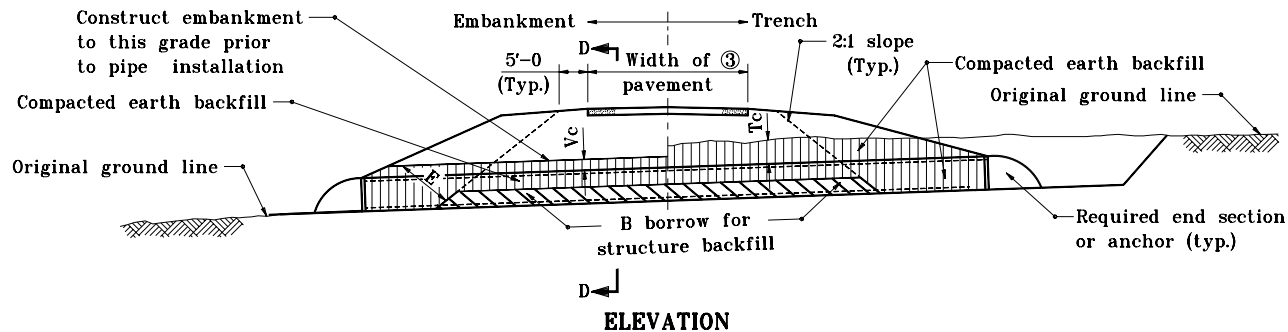
**SECTION D-D  
EMBANKMENT/TRENCH INSTALLATION  
ROCK FOUNDATION**

## LEGEND

- Hc = Overall diameter or rise  
 Bc = Overall diameter or span  
 A = 8" min. for fill height up to 16'  
 = 12" min. for fill height of 16' or more  
 Vc = 12" for Bc ≤ 18"  
 = 18" for Bc > 18"  
 Tc = Trench cover depth  
 W = 0.3 Bc or 9", whichever is greater  
 ⑦ E = Encasement

## METHOD 2 BACKFILL

Structures under commercial and private drive approaches.



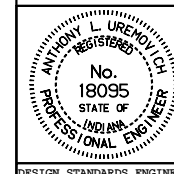
**SECTION D-D  
EMBANKMENT/TRENCH INSTALLATION**

INDIANA DEPARTMENT OF TRANSPORTATION

## PIPE STRUCTURE BACKFILL DRIVEWAY INSTALLATIONS

JANUARY 1998

STANDARD DRAWING NO. E 715-BKFL-07



DETAILS PLACED IN THIS FORMAT 11-15-99

/s/ Anthony L. Uremovich 11-15-99  
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 11-15-99  
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

ORIGINALLY APPROVED 1-02-98