NOTES:
1. Protective cover shall be constructed prior to placing pipe over installed pipe. The minimum covers are listed below:
   a) 1.5" for Bt ≤ 18"
   b) 3" for 19" < Bt ≤ 34"
   c) 6" for Bt > 34"
2. For backfill purposes, paved shoulders, curbs, and alleys are considered pavement. See Standard Drawing E 715-BKFL-12 for pavement limits when curbs, paved shoulders, or alleys are present.
3. Geotextile required if coarse aggregate is used. Geotextile should extend 1 foot beyond each edge of the excavated trench or toe of slope.

LEGEND:
Rc = Overall diameter or rise (typ.)
Rh = Overall diameter or span
A = 18" min. for fill height less than 18"
     = 12" min. for fill height of 18" or more
Vc = 12" for Bt ≤ 18"
     = 18" for Bt > 18"
W = 0.3 Rh or 5', whichever is greater
Ld = Backfill length measured from toe to toe of the 2:1 slopes.