GENERAL NOTES

1. Pipes shall be installed either in a trench condition or in a non-trench condition in natural ground or in embankment.

2. In a trench condition, the vertical and horizontal limits shall be maintained. If horizontal limits are exceeded or the vertical limits are not maintained, a non-trench condition exists.

3. Bracing and sloping shall conform to OSHA requirements.

4. Bedding material shall be used for pipe backfill on thermoplastic pipes, and may be used for pipe backfill on other pipes.

5. In a non-trench condition, the embankment for pipe stability shall be constructed in lifts to the limits shown in the detail, simultaneously with the bedding material and pipe backfill. If the contractor chooses to construct it as a trench condition, the embankment shall be constructed before excavating the trench.

D - Outside diameter of full circle pipe or outside dimension (span or rise) of arch, arch pipe, elliptical pipe.

T - Minimum wall thickness for NRCI/CP. See Plans.

- For D 48’s: Minimum T = 6”
  Maximum T = 24”

- For D 48’s: Minimum T = 12”
  Maximum T = 36”

- For thermoplastic pipe:
  Minimum T = 0.25D + 6”

- 6 inches except when an unfailingly stable material, See Std Plans.

3D for thermoplastic pipe with D > 30” and fill height > 10”.

TRENCH BACKFILL

PIPE BACKFILL

BEDDING

NON-TRENCH CONDITION