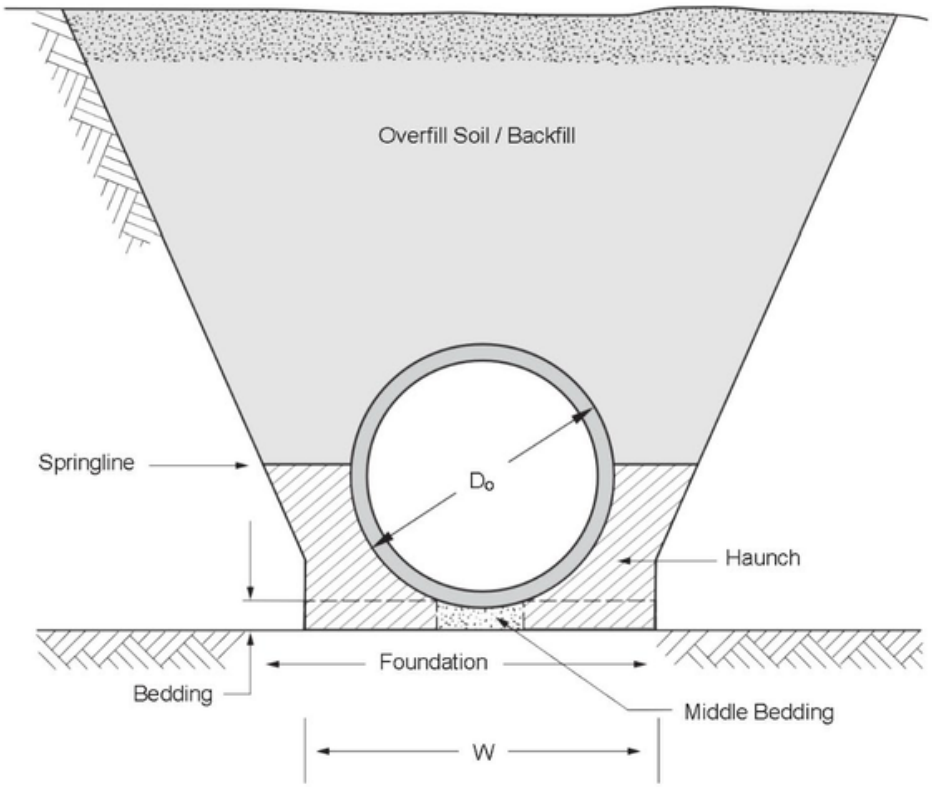
Reinforced Concrete Pipe (RCP) Installation

1. RCP shall be ASTM C76 Class III, unless otherwise shown in plans. Installation shall be per ASTM C1479.
2. Foundation shall be stiff to hard in-situ soil, stabilized soil, or compacted fill material.
3. Bedding thickness shall be D_O/24 inches, not less than 3 inches. Middle bedding shall be loosely placed, uncompacted embedment material.
4. Under roadways and traffic bearing areas (Type 1 Standard Installation): Haunch and outer bedding to springline shall be A-1, A-2, A-3, or A-4 material compacted to 95% Standard Proctor Density.
5. Outside of roadways and in non-traffic areas (Type 3 Standard Installation): Haunch and outer bedding to springline shall be (a) A-1 or A-3 compacted to 85%, (b) A-2 or A-4 compacted to 90%, or (c) A-5 or A-6 compacted to 95% Standard Proctor Density.
6. Overfill / backfill material and compaction shall be as required for embankment or surface bearing capacity (e.g., roadway, non-traffic area), as specified by Engineer.
7. Pipe damage or defect observations prior to installation shall be evaluated per AASHTO R 73. If final video inspection is required per local specifications, ASTM C1840 shall be used for evaluation.



This Trench Installation Detail shall be used in conjunction with ASTM C1479 Standard Practice for Installation of Precast Concrete Sewer, Storm Drain, and Culvert Pipe Using Standard Installations and the American Concrete Pipe Association (ACPA) LRFD Fill Height Tables for Concrete Pipe.

Reinforced Concrete Pipe Trench Installation Detail

RCP Trench Detail - 9-8-2022

Florida **Concrete Pipe** Association