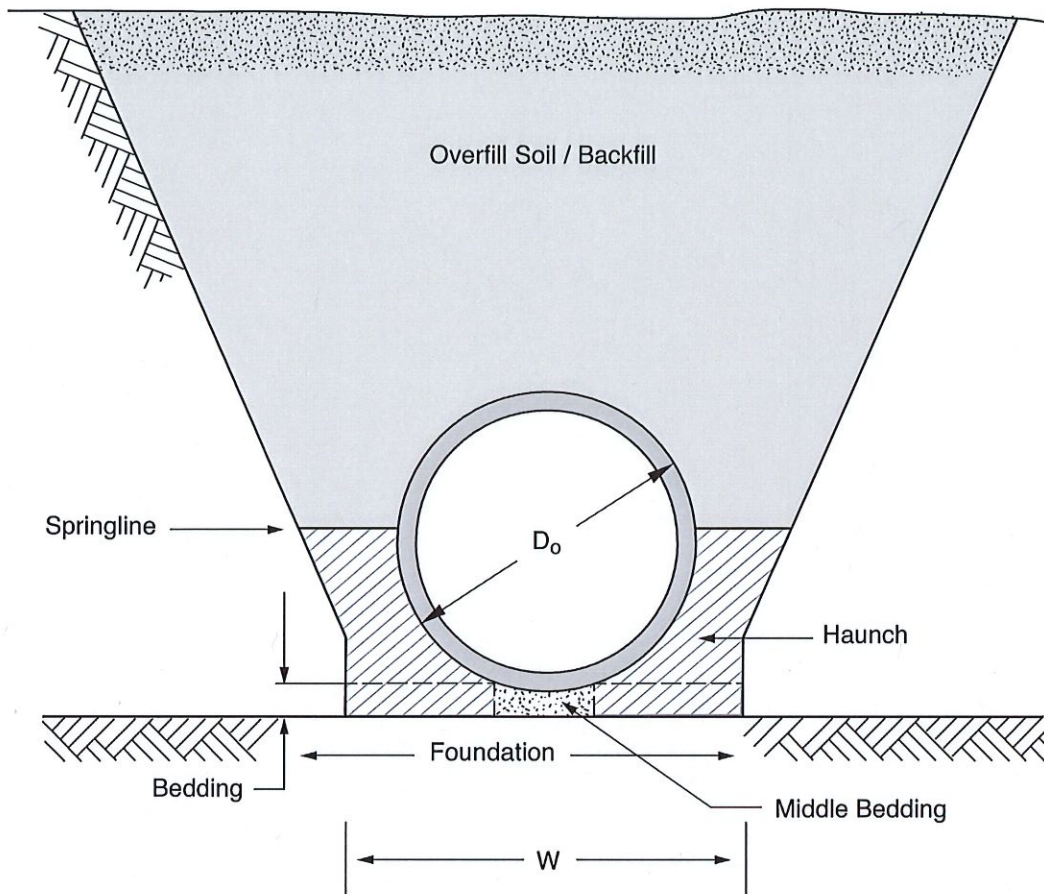


## Concrete Pipe Trench Detail



### Concrete Pipe Installation Specifications:

1. RCP shall be ASTM C76 Class III, unless otherwise shown in plans.
2. Foundation shall be stiff to hard in-situ soil, stabilized soil, or compacted fill material.
3. Minimum trench width ( $W$ ), if not using trench box, shall be  $D_o + 24$  in. or  $1.33 (D_o)$ , whichever greater.
4. Bedding thickness shall be  $D_o/24$  inches, not less than 3 inches. Middle bedding shall be loosely placed, uncompacted embedment material.
5. Under roadways and traffic bearing areas: Haunch and outer bedding to springline shall be A-1, A-2, A-3, or A-4 material compacted to 95% SPD.
6. Outside of roadways and in non-traffic areas: Haunch and outer bedding to springline shall be (a) A-1 or A-3 compacted to 85% SPD, (b) A-2 or A-4 compacted to 90% SPD, or (c) A-5 or A-6 compacted to 95% SPD.
7. Pipe haunch and outer bedding compaction to be in 12 inch lifts and standard proctor density (SPD) to be per AASHTO T99 Method C.
8. Overfill / backfill materials and compaction shall be as required for embankment or surface condition bearing capacity (e.g., roadway, non-traffic area).
9. Contractor shall refer to site Geotech Report to determine availability of in-situ material for pipe embedment.
10. If final video inspection is required per local specifications, ASTM C1840 shall be used for evaluation.