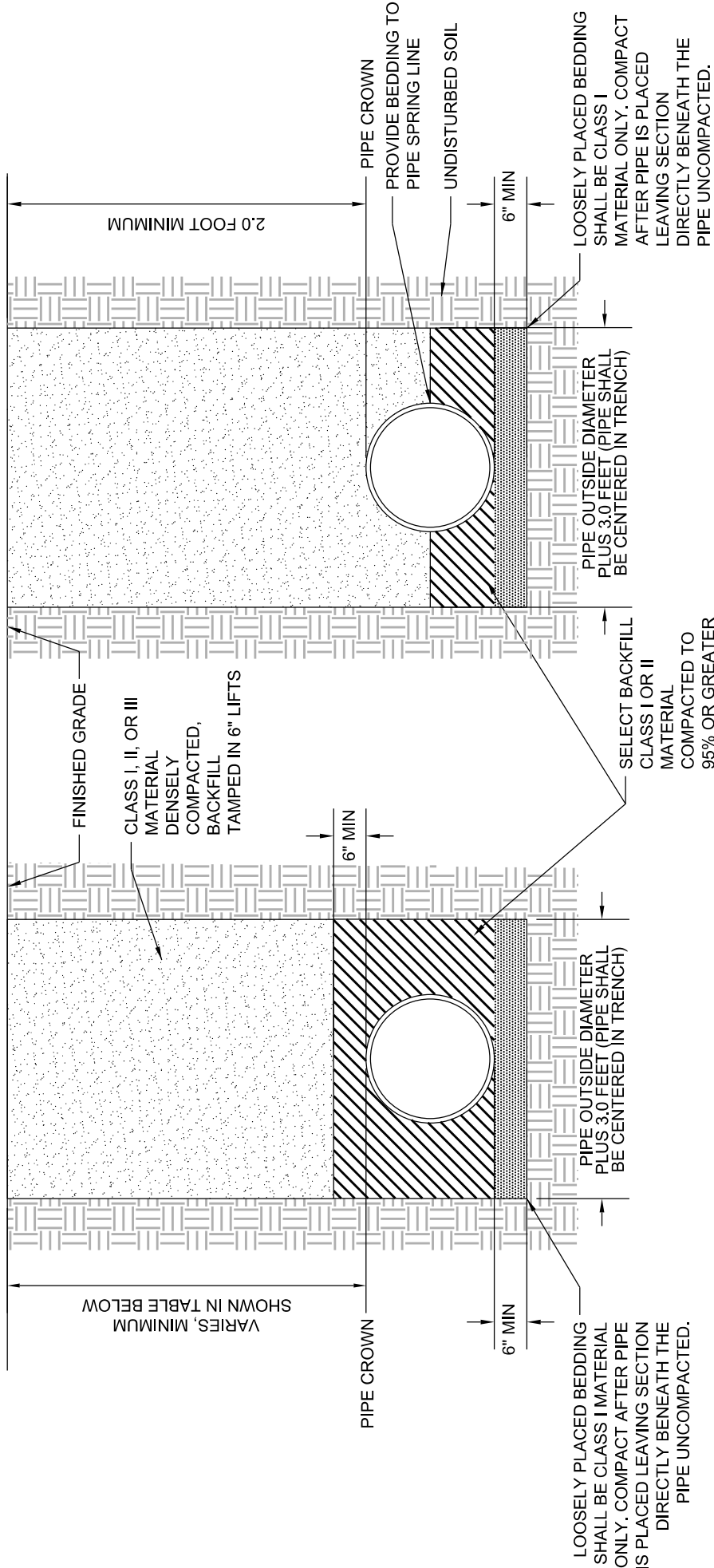


TYPICAL SECTION A: HDPE AND PP

TYPICAL SECTION B: RCP



- GENERAL NOTES:**
- BACKFILL MATERIAL SHALL BE #57 STONE, #67 STONE, ASTM D2321 CLASS II MATERIAL, OR AASHTO A1 OR A3 MATERIAL.
 - MAXIMUM COVER REQUIREMENTS SHALL BE ESTABLISHED BY THE ENGINEER OF RECORD THROUGH ENGINEERING CALCULATIONS BASED UPON AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THE PIPE MATERIALS SPECIFIED ON THE PLANS.
 - MAXIMUM ALLOWABLE DIAMETER FOR HDPE AND PP IS 48".
 - IF WATER TABLE IS HIGHER THAN SUBGRADE OF TRENCH, STONE BACKFILL MATERIAL SHALL BE WRAPPED IN NCDOT TYPE 4A GEOTEXTILE.
 - IT IS THE RESPONSIBILITY OF THE ENGINEER TO CONFIRM THE STRUCTURAL DESIGN ASSUMPTIONS REGARDING THE FOUNDATION SUPPORT AND THAT THE ASSUMED GROUNDWATER CONDITIONS OF THE STRUCTURAL TRENCH SUPPORT WILL BE MET.

DIAMETER (in)	HIGH DENSITY POLYETHYLENE (HDPE) AND POLYPROPYLENE (PP) MIN COVER CROWN TO FINISHED GRADE (ft)
15	2.0
18	2.0
24	2.0
30	2.0
36	2.1
42	2.4
48	2.8

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 9/2024	NOT TO SCALE
BEDDING FOR STORMWATER PIPES		
SW-10.02		