



\* LARGER PIPE SIZES MAY BE UTILIZED PROVIDED PIPE MATERIAL IS DUCTILE IRON

SEE CONNECTION ZONE DIAGRAM FOR STRUCTURE CLEARANCE

- FOR DRAINS INTO DRAINAGE STRUCTURE:
1. STRUCTURE PENETRATION SHALL NOT OCCUR WITHIN 12 INCHES OF STRUCTURE CORNER.
  2. ENTRY PENETRATIONS MUST BE CORED/SAWCUT.
  3. ALL CONNECTIONS MUST BE TO THE REAR OF THE BOX (THE SIDE FARTHEST FROM CURB).
  4. DRAIN PENETRATION MUST BE WITHIN THE APPROVED CONNECTION ZONE SHOWN IN DETAIL.
  5. SCHEDULE 40 PVC IS ACCEPTABLE PROVIDING THE PIPE IS 2.0 FOOT OR GREATER FROM THE TOP OF PIPE TO THE GROUND SURFACE AND THE PIPE IS NOT LOCATED UNDER A SIDEWALK. ALL PIPE UNDER A SIDEWALK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DUCTILE IRON PIPE.

GENERAL NOTES:

1. A RIGHT-OF-WAY PERMIT IS REQUIRED FOR ANY CONNECTION OF RESIDENTIAL DRAINAGE INTO THE RIGHT-OF-WAY.
2. ALL STORMWATER PIPE DISCHARGES SHALL BE TIED INTO A STORMWATER SYSTEM STRUCTURE (JUNCTION, MANHOLE, INLET, ETC.) IF A DIRECT TIE IN IS NOT POSSIBLE DUE TO ELEVATION CONSTRAINTS, LOCATION CONSTRAINTS, UTILITY/PHYSICAL OBSTRUCTIONS OR OTHER REASON ACCEPTABLE TO THE CITY, A CURB-O-LET (OR EQUAL) MAY BE USED TO TIE INTO THE CURB LINE. IF CURB-O-LET CANNOT BE USED, CURB BORE DETAIL (SW-10.05) MAY BE USED WITH APPROVAL BY THE CITY.
3. WHEN SIDEWALK IS PRESENT, THE FULL SIDEWALK PANEL (FROM JOINT TO JOINT) MUST BE REPLACED WHEN INSTALLING DRAIN, BORING UNDER THE SIDEWALK IS NOT ALLOWED.
4. ALL CONCRETE USED SHALL BE 3000 PSI OR GREATER.
5. FUTURE MAINTENANCE IS THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY FROM WHICH THE DRAIN ORIGINATES.

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 9/2024	NOT TO SCALE
	SMALL DRAIN CONNECTION TO DRAINAGE STRUCTURE	
	<b>SW-10.06</b>	

