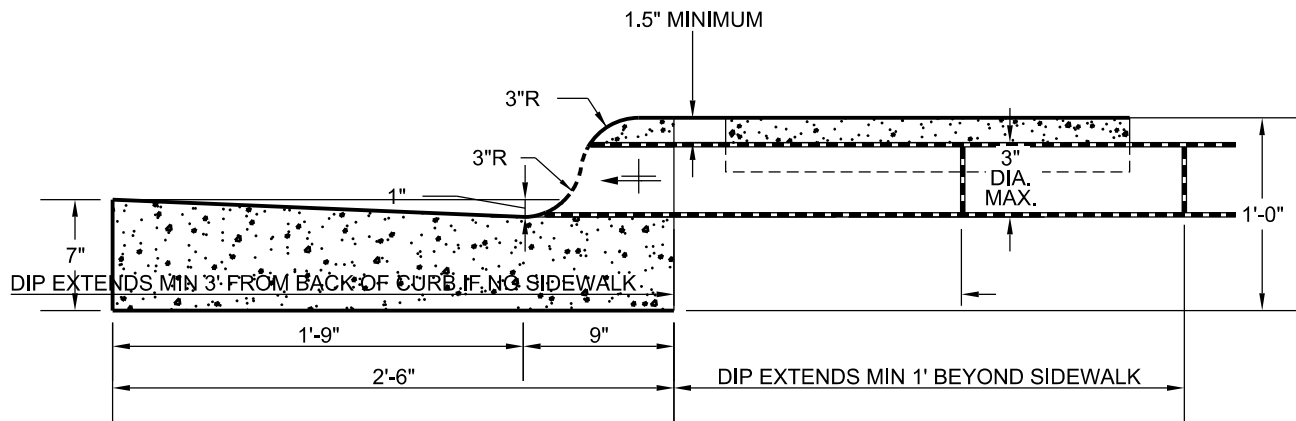


**FRONT VIEW**



**SECTION A-A**

**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 DISCHARGE SHALL BE TIED INTO A STORMWATER SYSTEM STRUCTURE (JUNCTION, MANHOLE, INLET, ETC. SEE DRAIN CONNECTION TO STRUCTURE DETAIL SW-10.06). 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, RESIDENTIAL CURB BORE DETAIL 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

**FOR CURB BORE:**

1. ALL CURB BORES REQUIRE THE USE OF DUCTILE IRON PIPE A MINIMUM OF 3 FEET FROM THE CURB OR, FOR SIDEWALK LOCATIONS, THE DIP MUST EXTEND A MINIMUM OF 1 FOOT BEYOND THE CURB. SEE DETAIL.
2. PVC IS NOT ALLOWED IN CURB BORE CONNECTIONS.
3. CURB BORE CANNOT BE WITHIN 6 FEET OF A INTERSECTION RADIUS OR 12 INCHES OF CONSTRUCTION OR EXPANSION JOINTS.
4. ANY OVERBORE  $\frac{1}{2}$ " OR LESS SHALL BE SEALED WITH CEMENTITIOUS GROUT OR CAULK. IF OVERBORE IS  $\frac{1}{2}$ " OR GREATER THEN 3000 PSI CONCRETE FILLER IS REQUIRED.
5. DISCHARGE PIPE SHALL NOT EXTEND BEYOND OR PROTRUDE BEYOND THE CURB FACE.
6. MULTIPLE CURB BORES (DRAINS) IN THE CURB SHALL BE SEPARATED BY A MINIMUM OF 12 INCHES OF CURB.
7. ALL CURB BORES MUST USE A CONCRETE BORE NO GREATER THAN 4 INCHES.

**FOR PREMANUFACTURED CURB DRAIN STRUCTURES:**

1. PREMANUFACTURED CURB DRAIN STRUCTURE MAY BE USED IN LIEU OF CURB BORE TIE-IN WITH CITY APPROVAL.
2. PREMANUFACTURED CURB DRAIN STRUCTURE SHALL BE CURB-O-LET OR EQUAL.
3. PREMANUFACTURED CURB DRAIN SHALL BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. PREMANUFACTURED CURB DRAINS MAY BE INSTALLED SIDE BY SIDE IF NECESSARY.

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 9/2024	NOT TO SCALE
		RESIDENTIAL CURB BORE
		<b>SW-10.05</b>