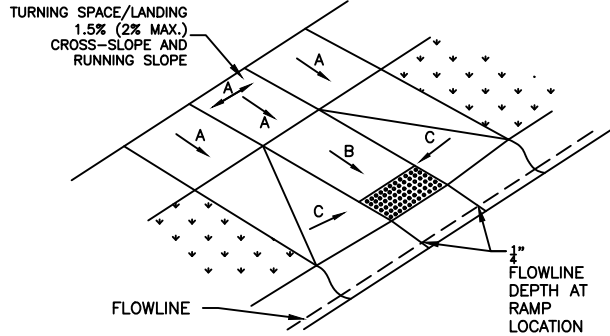
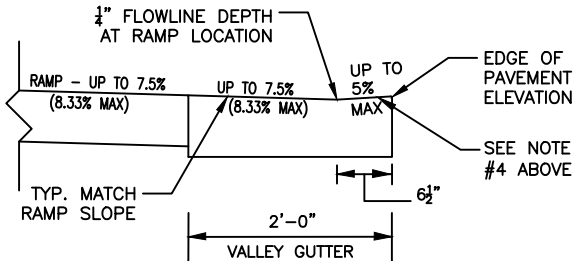


**NOTES:**

1. ENSURE FLUSH CONDITIONS AT CURB RAMP TO GUTTER TRANSITION.
2. TYPICALLY, THE SIDEWALK RUNNING SLOPE SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET.
3. MAINTAIN POSITIVE DRAINAGE ALONG THE LIP OF GUTTER IN RAMP. IN FLAT AREAS, ADDITIONAL CATCH BASINS MAY BE REQUIRED ON THE SIDES OF THE RAMP TO MINIMIZE STANDING WATER AT THE RAMP LOCATION.
4. IF THE SLOPE FROM FLOWLINE TO BACK OF CURB AT RAMP IS LESS THAN 8.3%, THEN THE SLOPE FROM LIP TO FLOWLINE AT RAMP MAY EXCEED 5% AS LONG AS THE DIFFERENCE BETWEEN THESE TWO SLOPES IS LESS THAN 13.3%.

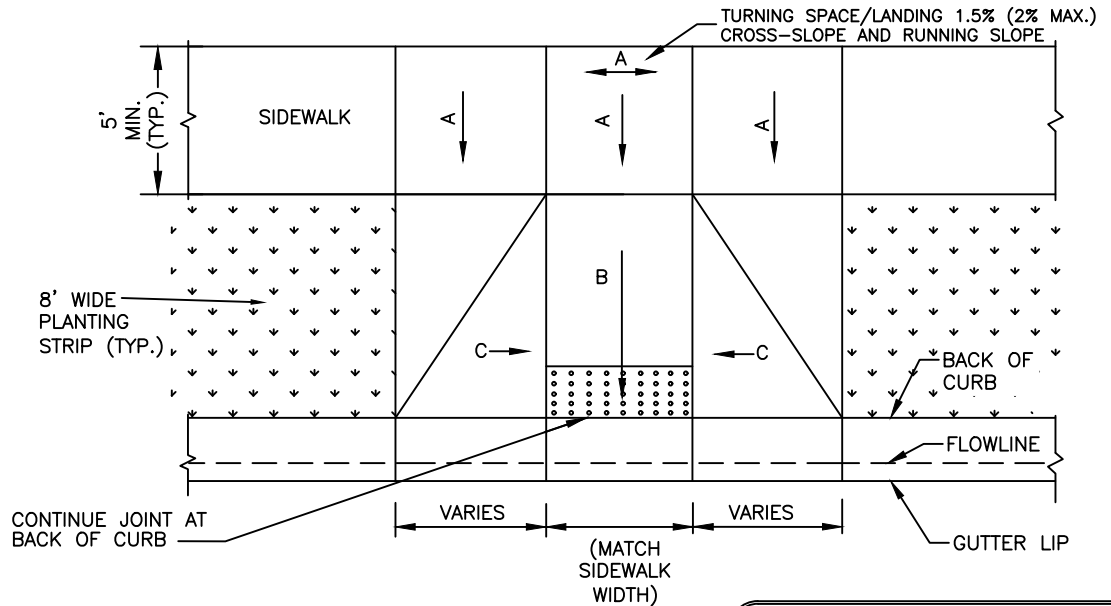


**ISOMETRIC VIEW**



**2'-0" VALLEY GUTTER RAMP DETAIL**

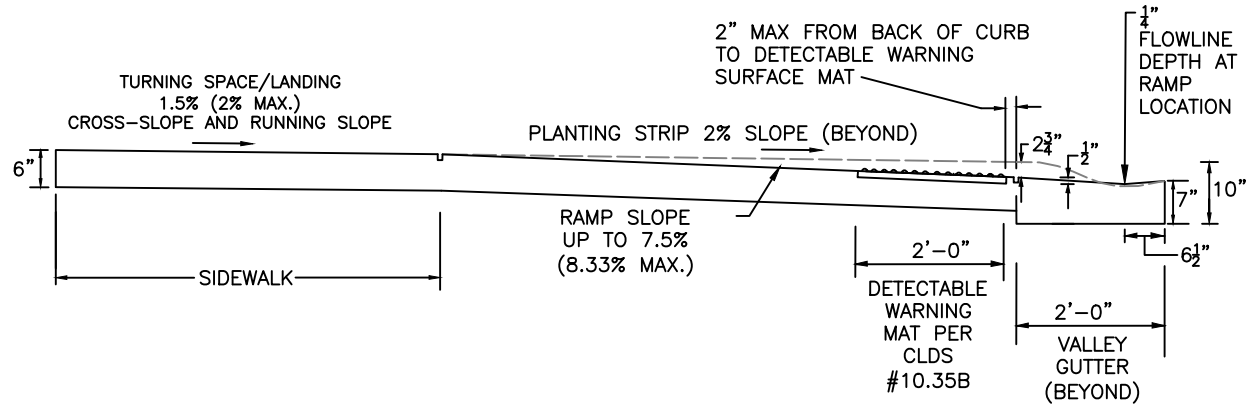
MAXIMUM SLOPES FOR VALLEY GUTTER DEPRESSION AT RAMPS



**PLAN VIEW**

NOT TO SCALE

SLOPE "A" = UP TO 1.5% (2.00% MAX)
SLOPE "B" = UP TO 7.5% (8.33% MAX)
SLOPE "C" = UP TO 10% MAX



**TYPICAL RAMP SECTION AT CENTERLINE**

NOT TO SCALE



**CITY OF CHARLOTTE  
LAND DEVELOPMENT STANDARDS**  
INCLUDES CHARLOTTE ETJ

**PERPENDICULAR CURB RAMP  
WITH 2'-0" VALLEY GUTTER**

STD. NO.	REV.
10.33	20