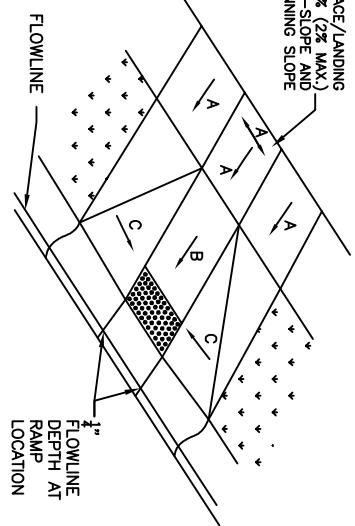


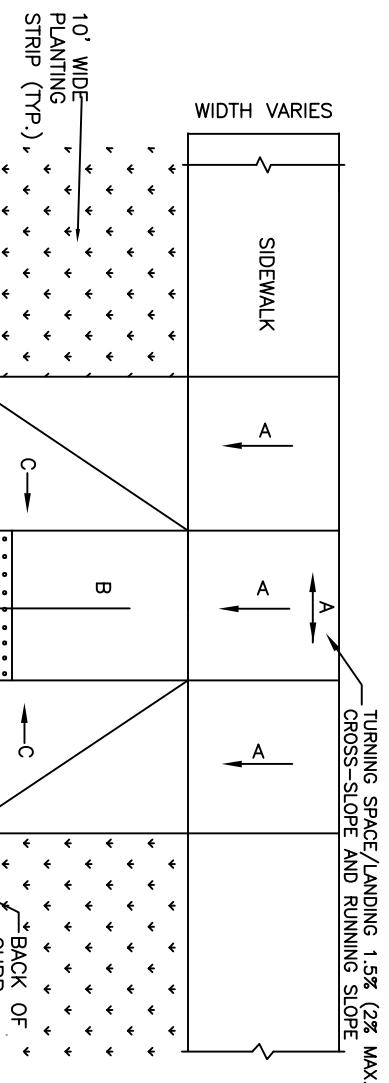
NOTES:

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%.

TURNING SPACE/LANDING
1.5% (2% MAX.)
CROSS-SLOPE AND
RUNNING SLOPE



ISOMETRIC VIEW



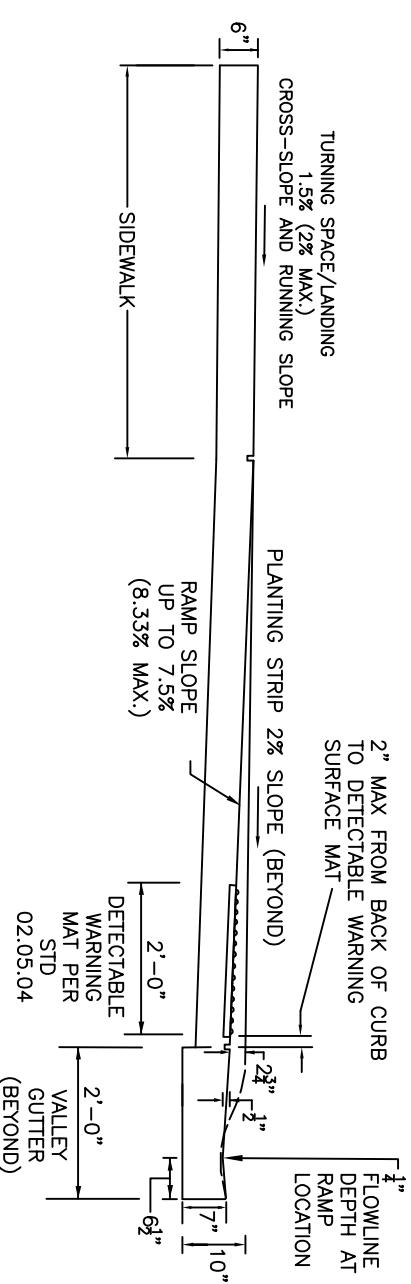
CONTINUE JOINT AT
BACK OF CURB

VARIABLES
(MATCH
SIDEWALK
WIDTH)

2" MAX FROM BACK OF CURB
TO DETECTABLE WARNING
SURFACE MAT

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

PLAN VIEW



2'-0" VALLEY GUTTER RAMP DETAIL

MAXIMUM SLOPES FOR VALLEY GUTTER
DEPRESSION AT RAMPS

TYPICAL RAMP SECTION AT CENTERLINE

REVISIONS

NO. DATE DESCRIPTION

1 4/20/04 CORRECTED NOTES

2 05/08 NEW ADA STANDARDS

3 04/25 MATCH CHARLOTTE'S STANDARDS



PERPENDICULAR CURB RAMP
WITH 2'-0" VALLEY GUTTER

CITY OF MONROE
UNION COUNTY
NORTH CAROLINA

PREPARED BY:

ENGINEERING DEPARTMENT
DETAIL 02.05.02

FILE: 1/Maps-Details/Detail Manual/Details

DRAWN BY: JAM DATE: 08-07-01

CHECKED BY: JNL SCALE: N.T.S.