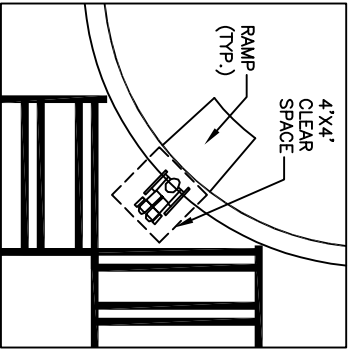


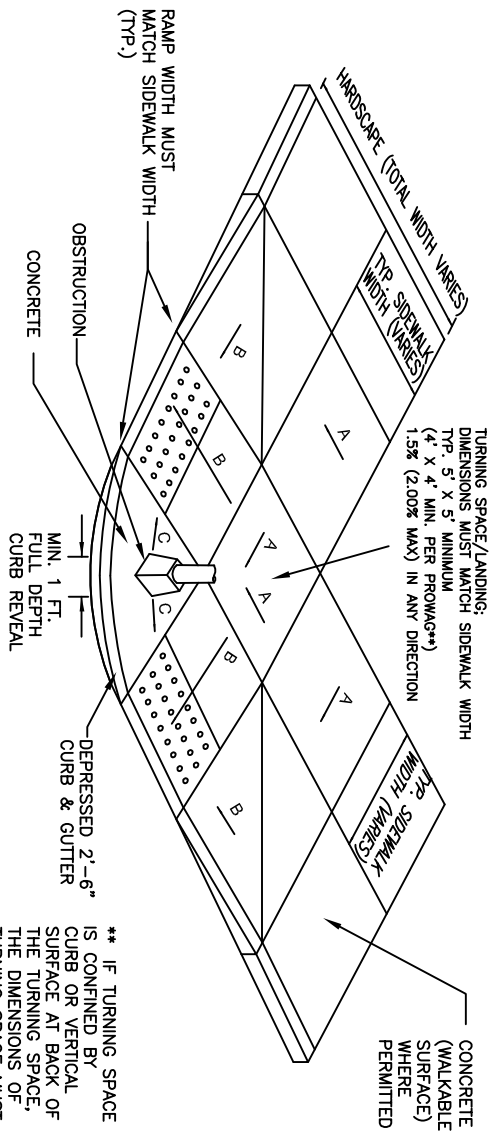
**NOTES:**

1. MAINTAIN A MINIMUM OF 0.5% SLOPE ON ALL CONCRETE SURFACES TO PROMOTE SURFACE DRAINAGE TOWARD CURB.
2. GUTTER FLOW LINE AND PLAN PROFILE SHALL BE MAINTAINED THROUGH THE RAMP AREA.
3. THE SURFACE OF THE RAMP SHALL BE FLUSH WITH THE FLOWLINE OF THE CURB AND GUTTER.
4. THE WING AND RAMP SURFACES SHALL BE 3600 PSI CONCRETE WITH A SIDEWALK FINISH IN ACCORDANCE WITH CURRENT EDITION NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. DRAINAGE STRUCTURES, MAST ARMS, LIGHT POLES AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN LINE WITH RAMPS. LOCATION OF THE RAMP SHALL TAKE PRECEDENCE OVER LOCATION OF OBSTRUCTIONS EXCEPT WHERE EXISTING OBSTRUCTIONS ARE BEING UTILIZED IN THE NEW CONSTRUCTION.
6. SEE STANDARD DRAWING 02.05.04 FOR DETECTABLE WARNING INSTALLATION.
7. SEE USDG INTERSECTION DIAGRAMS 1-1 THROUGH 1-3 FOR TYPICAL RAMP PLACEMENT AND INTERSECTION LAYOUTS.
8. CURB RAMPS SHALL HAVE A SEGMENT OF STRAIGHT CURB AT LEAST 24 INCHES LONG LOCATED ON EACH SIDE OF THE WING SLOPE AND WITHIN THE CROSSWALK MARKINGS.
9. FOR ALL RAMPS AT MARKED CROSSWALKS THE RAMP OPENING (AT THE FULLY DEPRESSED CURB) SHALL BE LOCATED WITHIN THE PARALLEL BOUNDARIES OF CROSSWALK MARKINGS.
10. IF A SINGLE DIAGONAL RAMP ON A CORNER IS USED (TYP. ONLY IN RETROFITS), THE RAMP CENTERLINE SHALL BE LOCATED AT THE CORNER RADIUS CENTERLINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A MIN. 4'X4' CLEAR SPACE BEYOND THE CURB FACE MUST BE WHOLLY OUTSIDE OF THE PARALLEL VEHICLE TRAVEL LANE (SEE DIAGRAM BELOW):



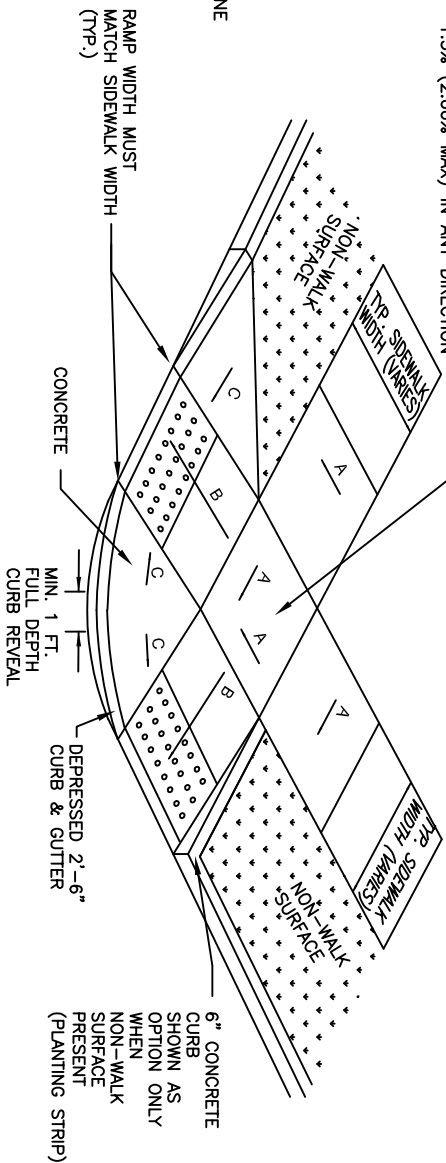
CLEAR SPACE:  
 • 4' X 4' MINIMUM  
 • BEYOND BOTTOM GRADE BREAK  
 • WITHIN PEDESTRIAN STREET CROSSING  
 • OUTSIDE PARALLEL VEHICLE TRAVEL LANE

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



**PLACEMENT FOR OBSTRUCTED CORNER**

TURNING SPACE/LANDING: DIMENSIONS MUST MATCH SIDEWALK WIDTH—  
 TYP. 5' X 5' MINIMUM  
 (4' X 4' MIN. PER PROWAG\*\*) 1.5% (2.00% MAX) IN ANY DIRECTION



**PLACEMENT FOR SMALL CORNER RADIUS**

REVISIONS	
NO.	DESCRIPTION
1	4/20/04 ADD DETECTABLE WARNING NOTE
2	04/25 MATCH CHARLOTTE'S STANDARDS



**PLACEMENT OF CURB RAMPS AT OBSTRUCTED OR SMALL CORNER RADIUS**

**CITY OF MONROE**  
 UNION COUNTY  
 NORTH CAROLINA  
 PREPARED BY: ENGINEERING DEPARTMENT

FILE: E:\Maps-Detail\Detail Manual\Details	DRAWN BY: JAM	DATE: 08-07-01
CHECKED BY: JNL	SCALE: N.T.S.	
DETAIL	02.05.03	