**Typical Placement of Public Sidewalk Curb Ramps at Curbed Returns**

**General Notes**

1. Public sidewalk curb ramps shall be constructed in the public right of way at locations that will provide continuous unobstructed pedestrian circulation paths to pedestrian areas, elements and facilities in the public right of way and to accessible pedestrian ramps on adjacent streets. Sidewalk curb ramps shall be provided at intersections and at places where a pedestrian crossing occurs.

2. The location and orientation of curb ramps shall be as shown in the plans.

3. Curb ramp running slopes of unpaved areas shall not be steeper than 1:12 and cross slopes shall be 1:20 or flatter. Transition slopes shall not be steeper than 1:12.

4. Where a curb ramp is located where existing site development precludes the accommodation of a ramp slope of 1:12, a running slope between 1:10 and 1:8 0.02 is permitted for a rise of 0.05 and a running slope between 1:40 and 1:8 0.02 is permitted for a rise of 0.02. Where compliance is not possible for cross slopes above 0.12 or transition slopes above 0.02, the ramp shall be moved back to provide compliance.

5. Curb ramp detectable warning surfaces shall extend the full width of the ramp and 24" from the edge of the sidewalk. Detectable warning surfaces shall be constructed in accordance with the Tactile System Standard No. 1 and shall be extended to the full width of the ramp where feasible. The ramp shall be constructed to have detectable warnings.

6. Where a curb ramp is constructed within existing curb, curb, gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the existing curb or curb and gutter line. If the existing curb or curb and gutter transitions are not level with the existing curb or curb and gutter line, the transitions shall be constructed at the top of each ramp, see Sheet 5. Curb transitions and reconstructed curbs are to be paid for under the contract unit price for Sidewalk Concrete, (_"_ Thick), Type __., LF.

7. Sidewalks, sidewalks, sidewalks embedded in existing sidewalk respectively.

8. Public sidewalk curb ramps are to be paid for as follows: Sidewalks, sidewalks, sidewalks embedded in existing sidewalk, snapped in and through above the existing sidewalk, shall be paid for as part of the contract unit price for Sidewalk Concrete, (_"_ Thick), Type __., LF or Curb and Gutter Concrete, Type __., LF. All price for the parent curb (c), Curb Conc., (Type __), LF or Curb and Gutter Conc., Type __., LF.

9. Acceptance Criteria for Detectable Markings:

   a. The ramp detectable warning surface shall be continuous and uniform in color and texture.
   b. No two adjacent domes may be non-compliant.
   c. There may be no more than 4 non-complying domes in any one square foot of surface.
   d. 90% of the individual truncated domes must comply with the design criteria.
   e. The ramp detectable warning surface shall be complete and uniform in color and texture.

10. Acceptance Criteria for Detectable Markings:

    a. The ramp detectable warning surface shall be continuous and uniform in color and texture.
    b. No two adjacent domes may be non-compliant.
    c. There may be no more than 4 non-complying domes in any one square foot of surface.
    d. 90% of the individual truncated domes must comply with the design criteria.
    e. The ramp detectable warning surface shall be complete and uniform in color and texture.

**Notes**

- **Lower landing not required at driveways, parking lots, or other areas with pedestrian crossing slope less than 1:12.**
- **Partial curb returns shall extend to the limit prescribed by Index No. 515 to accommodate Partial curb returns. Curb ramps constructed at the top of each ramp, see Sheet 5.**
- **Ramps constructed at locations adjacent to sidewalks shall have a landing constructed at the top of each ramp, see Sheet 5.**
- **Large ramps are constructed within existing curb, curb, gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the existing curb or curb and gutter line. If the existing curb or curb and gutter transitions are not level with the existing curb or curb and gutter line, the transitions shall be constructed at the top of each ramp, see Sheet 5.**
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE NOT RESTRICTED BY RIGHT OF WAY
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE RESTRICTED BY RIGHT OF WAY
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

RAMP AND SIDEWALK CURB OPTIONS

MONOLITHIC CAST CURB  SEPARATELY CAST CURB

RAMP AND SIDEWALK CURB OPTIONS

BACK OF SIDEWALK CURB OR BUFFER TRANSITION

SIDEWALK CURB RAMPS

PUBLIC SIDEWALK CURB RAMPS
SECTION CC

PLAN - (ALTERNATE DETAIL)

Curb Types A Or B Or Curb & Gutter Type E

(On Existing Facilities Remove And Reconstruct Curb Or Curb And Gutter)

For Payment See General Note B.

Slopes Shall Intersect At Centerline Of Median On The 0.02 Rate When The Edge Of Pavement Elevations Are Equal. The Slopes May Intersect Off The Centerline For Variable Edge Of Pavement Elevations Or To Accommodate Other Construction In The Median. However, Slopes Shall Not Be Steeper Than 1:12.

Concrete Landing 0.02 Max. Slope

Concrete Landing 0.02 Max. Slope

Concrete Landing 0.02 Max. Slope

Other Options As Shown In The Plans

LANDINGS FOR RAMPS WITHIN PUBLIC RIGHT OF WAY CONSTRUCTED AT LOCATIONS WHERE FUTURE SIDEWALKS ARE PROPOSED, WHERE STABLE SURFACES OTHER THAN SIDEWALKS ARE PART OF A CONTINUOUS PASSAGE OR WHERE A CURB FALLS ALONG THE CIRCULATION PATH TO PEDESTRIAN ROUTES ON ADJACENT SITES

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PUBLIC SIDEWALK CURB RAMPS

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All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp and in the Direction of Travel. On Ramps Perpendicular With The Curb Line, The Dome Pattern Shall Be In-Line With The Direction Of Travel. On Ramps Intersecting Curbs On A Radius, The Dome Pattern Shall Be In-Line With The Direction Of Travel To The Extent Practical.

CURB RAMP DETECTABLE WARNING DETAIL

Typical Placement of Detectable Warning on Curb Ramps

The top width of the dome shall be a minimum of 50% and a maximum of 90% of the base diameter. Base-to-base spacing shall be 0.05' minimum between domes.

Plan View

2' Utility Strip

5' Concrete Sidewalk

2' Sidewalk Curb (Where Necessary)

1:12 Ramp Run

5' Median

2' Utility Strip

5' Median

2' Utility Strip