CROSS SLOPE: 2.00%

CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

TYPE 1A

6% x 12" CONCRETE CURB

DETECTABLE WARNING SURFACE SEE R.S.D.N. 848.05 (MIN)

LANDING WIDTH 5'-0"

SIDEWALK WIDTH 3'-0"

2'-6" CURB & GUTTER

NON-WALK SURFACE

SLOPE: ZERO 8.33% (12:1) MAX RAMP SLOPE

BREAK

CURB & GUTTER DEPRESSED 2'-6"

SIDEWALK TYPE 1 5' MIN.

TYPE 1

6" x 12" CONCRETE CURB

DETECTABLE WARNING SURFACE SEE R.S.D.N. 848.05

LANDING WIDTH 5'-0"

SIDEWALK WIDTH 3'-0"

2'-6" CURB & GUTTER

GRASS BREAK

DEPRESSED 2'-6" CURB & GUTTER 8.33% (12:1) MAX SLOPE

6" MAX

CONCRETE DEPRESSED CURB

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

PAY LIMITS FOR CURB RAMP

CONTRACT STANDARDS AND DEVELOPMENT UNIT

CURB RAMPS

Directional Ramps

OFFICE 919-323-3662 FAX 919-323-4119

ORIGINAL BY: J.J. HOWERTON DATE: 7/7/11

REVISED BY: DATE:

FAX 919-250-4119

Office 919-707-6950

SHEET NO. PROJECT REFERENCE NO.

"Curb Ramps" by J. S. Howerton, dated 7/7/11, showing details of directional ramps with specific dimensions and slopes. The document includes drawings for different types of ramps, with notes on maximum landing widths, cross slopes, and detectable warning surfaces.
**Curb Ramps**

**Type 2**

1. **Suggested Surface**
   - Detector warning surface near edge of landing.
   - Landing width: 8".
   - Sidewalk width: 5'.

2. **9" x 1/2" Concrete Curb**
   - 2'-6" curb & gutter.
   - Sidewalk area:
     - 5' minimum landing width.
   - Surface see detail 849D05.
   - Surface warning:
     - Matching width of detectable warning.

3. **Detectable Warning**
   - Surface see detail 849D05.
   - Surface warning:
     - Matching width of detectable warning.

**Type 2A**

4. **5' Minimum Landing Width**
   - 5' Minimum sidewalk width.
   - 2'-6" curb & gutter.
   - Surface see detail 849D05.
   - Surface warning: Matching width of detectable warning.

5. **Surface Warning**
   - Matching width of detectable warning.

**Type 3**

6. **8.33% (12:1) Maximum Ramp Slope**

7. **Cross Slope: 2.00%**

8. **Curb Ramps Require a 4'-0" Minimum Landing**
   - with a maximum cross slope and longitudinal slope of 2.00% where pedestrians perform turning maneuvers.
   - Slope to drain to curb.

**Pay Limits for Curb Ramp**

**Refer to Roadway Standard Drawing Number 848.05 Sheet 3 of 3 for All Ramp Notes**
CROSS SLOPE: 2.00%
SLOPE TO DRAIN TO CURB. OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS.

CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING
8.33% (12:1) MAX RAMP SLOPE

5' MIN. SIDEWALK WIDTH
6" CONCRETE CURB 12" MIN. 24" TYP.
CURB & GUTTER DEPRESSED 2'-6" BY FLARE SLOPE
CURB REVEAL DETERMINED (HEIGHT VARIES)

DETECTABLE WARNING SURFACE (TYP)
12" MIN 24" TYP.

SURFACE (TYP)

REFER TO ROADWAY STANDARD DRAWING NUMBER 440.00 SHEET 3 OF 3 FOR ALL RAMP NOTES
MONOLITHIC CONCRETE ISLAND

TRIANGULAR ISLAND
WITH CUT THROUGH

MEDIAN ISLAND
WITH CUT THROUGH

DETECTABLE WARNING SURFACE (TYP)

MONOLITHIC CONCRETE ISLAND

MEDIAN ISLAND
CURB RAMPS

TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

PAY LIMITS FOR 1 CURB RAMP

CONTRACT STANDARDS
AND DEVELOPMENT UNIT

MEDIAN OR TURN LANE ISLANDS

5\'-0" MIN DIAMETER LANDING

2\'-0" MIN (TYP)

5\'-0"

MIN (TYP)

MONOLITHIC CONCRETE ISLAND

MONOLITHIC CONCRETE ISLAND

DETECTABLE WARNING Domes
(SEE RDWY. STD. 848.05)

DETECTABLE WARNING Domes
(SEE STANDARD 852.01)

PAVEMENT

PAVEMENT

MEDIAN OR TURN LANE ISLANDS

5\'-0"

MEDIAN OR TURN LANE ISLANDS

Ramp Limits of Payment

Ramp Limits of Payment

5\'-0"

5\'-0"

5\'-0"