GENERAL NOTES:

1. TURNING SPACE AND CLEAR SPACE NOTES:
   - Dimensions shall be provided on the site plan. A turning space shall be provided at the edge of the curb ramp as applicable.
   - The turning space shall be a minimum of 4.00' wide and 5.00' long.
   - Turning space dimensions shall be 4.00' x 5.00' minimum. The 5.00' dimension shall be measured parallel to the curb line.

2. GENERAL NOTES:
   - The minimum clear width for pedestrian access routes is 4.00', exclusive of any width required for pedestrian ramps.
   - Pedestrian access routes shall be a continuous and unobstructed path of travel.
   - Pedestrian access routes shall be at least 5.00' wide.

CURB RAMP NOTES:

3. The minimum width of a curb ramp shall be 4.00'.
4. The full width of the ramp on loading shall be contained within the pedestrian access route.
5. Curb ramps are not required in locations where there is no accessible pedestrian access route. If it is serving as a loading for a pedestrian signal.
6. The grade running slope of a curb ramp shall be a maximum of 8.3%.
7. Where existing conditions do not allow the construction of a curb ramp with a grade running slope of 8.3% or less, the ramp length shall not be required to exceed 10.00'.
8. The cross slope of the curb ramp shall be as flat as possible and still provide safe access. The cross slope shall not exceed 1/4% or less.
9. The grade crossing slope of the curb ramp shall be a maximum of 2.0%.
10. Where there are no vertical constraints at the back of the ramp, a curb ramp may be installed according to the guidelines on sheet 5 of 9.
11. The cross slope of the curb ramp shall be a maximum of 2.0%.

CURB RAMP DESIGN:

12. The minimum width of a curb ramp shall be 4.00'.
13. The full width of the ramp on loading shall be contained within the pedestrian access route. If it is serving as a loading for a pedestrian signal.
14. The grade running slope of a curb ramp shall be a maximum of 8.3%.
15. Where existing conditions do not allow the construction of a curb ramp with a grade running slope of 8.3% or less, the ramp length shall not be required to exceed 10.00'.
16. The cross slope of the curb ramp shall be as flat as possible and still provide safe access. The cross slope shall not exceed 1/4% or less.
17. The grade crossing slope of the curb ramp shall be a maximum of 2.0%.
18. Where there are no vertical constraints at the back of the ramp, a curb ramp may be installed according to the guidelines on sheet 5 of 9.
19. The cross slope of the curb ramp shall be a maximum of 2.0%.

CURB RAMP CONFIGURATIONS TYPE 6 - 7

20. Curb ramp and blind access transitions may be provided for access to the pedestrian access route. Curb ramps shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
21. Curb ramps are designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
22. Curb ramps are designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
23. Curb ramps are designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
24. Curb ramps are designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
25. Curb ramps are designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.

CURB RAMP CONFIGURATIONS TYPE 1 - 5

26. The curb ramp shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
27. The curb ramp shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
28. The curb ramp shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
29. The curb ramp shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.
30. The curb ramp shall be designed to match the grade running slope of the street and transitions shall be designed to match the curb ramp.

CURB RAMP SIDE TREATMENT OPTIONS:

31. The width of the curb ramp shall be 4.00'.
32. The width of the curb ramp shall be 4.00'.
33. The width of the curb ramp shall be 4.00'.
34. The width of the curb ramp shall be 4.00'.
35. The width of the curb ramp shall be 4.00'.
36. The width of the curb ramp shall be 4.00'.

CURB RAMP TREATMENT KEY LEGEND:

- BLACK: REQUIRED ELEMENTS
- GRAY: OPTIONAL ELEMENTS
- RED: PROHIBITED ELEMENTS

DEFINITION OF TERMS:

- **Landscape:** 4.00' x 4.00' clear space with a 2% slope or less in all directions.
- **Veneer:** included in the definition of a curb ramp with a grade running slope of 8.3% or less. The ramp length shall not be required to exceed 10.00'.
- **Cross slope:** 1/4% or less.
- **Vertical curvature:** 2% or less.
- **Horizontal curvature:** 10% or less.
- **Vertical discontinuity:** 1/4" or less.
- **Detectable warning:** a continuous and unobstructed path of travel.
- **Pedestrian access route:** a continuous and unobstructed path of travel.

INDEX OF SHEETS:

<table>
<thead>
<tr>
<th>SHEET</th>
<th>INDEX</th>
<th>Veneer</th>
<th>Cross slope</th>
<th>Vertical curvature</th>
<th>Vertical discontinuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
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<tr>
<td>5</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
<td></td>
</tr>
</tbody>
</table>

TREATMENT KEY LEGEND:

- 1: Veneer
- 2: Cross slope
- 3: Vertical curvature
- 4: Vertical discontinuity

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION • STATE OF NEW HAMPSHIRE

SIDEWALK CURB RAMP DETAILS

**General Notes:**

- All facilities shall be constructed to meet the design standards.
- Curb ramps and transitions shall be designed and constructed to meet the requirements of the ADA.
- All changes that are possible shall be made to comply with accessibility standards.

**Curb Ramp Design:**

- The minimum width of a curb ramp shall be 4.00'.
- The full width of the ramp on loading shall be contained within the pedestrian access route.
- Curb ramps are not required in locations where there is no accessible pedestrian access route. If it is serving as a loading for a pedestrian signal.
- The grade running slope of a curb ramp shall be a maximum of 8.3%.
- Where existing conditions do not allow the construction of a curb ramp with a grade running slope of 8.3% or less, the ramp length shall not be required to exceed 10.00'.
- The cross slope of the curb ramp shall be as flat as possible and still provide safe access. The cross slope shall not exceed 1/4% or less.
- The grade crossing slope of the curb ramp shall be a maximum of 2.0%.
- Where there are no vertical constraints at the back of the ramp, a curb ramp may be installed according to the guidelines on sheet 5 of 9.
- The cross slope of the curb ramp shall be a maximum of 2.0%.

**Curb Ramp Configurations:**

- Type 6 - 7
- Type 1 - 5

**Curb Ramp Side Treatment Options:**

- The width of the curb ramp shall be 4.00'.
- The width of the curb ramp shall be 4.00'.
- The width of the curb ramp shall be 4.00'.
- The width of the curb ramp shall be 4.00'.
- The width of the curb ramp shall be 4.00'.
- The width of the curb ramp shall be 4.00'.

**Curb Ramp Treatment Key Legend:**

- **Black:** Required elements
- **Gray:** Optional elements
- **Red:** Prohibited elements

**Definition of Terms:**

- **Landscape:** 4.00' x 4.00' clear space with a 2% slope or less in all directions.
- **Veneer:** included in the definition of a curb ramp with a grade running slope of 8.3% or less. The ramp length shall not be required to exceed 10.00'.
- **Cross slope:** 1/4% or less.
- **Vertical curvature:** 2% or less.
- **Vertical discontinuity:** 1/4" or less.
- **Detectable warning:** a continuous and unobstructed path of travel.
- **Pedestrian access route:** a continuous and unobstructed path of travel.

**Index of Sheets:**

<table>
<thead>
<tr>
<th>SHEET</th>
<th>INDEX</th>
<th>Veneer</th>
<th>Cross slope</th>
<th>Vertical curvature</th>
<th>Vertical discontinuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INDEX</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
</tr>
<tr>
<td>2</td>
<td>INDEX</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
</tr>
<tr>
<td>3</td>
<td>INDEX</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
</tr>
<tr>
<td>4</td>
<td>INDEX</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
</tr>
<tr>
<td>5</td>
<td>INDEX</td>
<td>Veneer</td>
<td>Cross slope</td>
<td>Vertical curvature</td>
<td>Vertical discontinuity</td>
</tr>
</tbody>
</table>

**Treatment Key Legend:**

- 1: Veneer
- 2: Cross slope
- 3: Vertical curvature
- 4: Vertical discontinuity
CURB RAMP CONFIGURATIONS

TYPE 6

TYPE 7

BUILDING OR OTHER STRUCTURE

CLEAR SPACE & TURNING SPACE (SEE NOTES 23, 24 & 25)

CONCRETE SIDEWALK FLUSH TO EDGE OF PAVEMENT (TYP.)

SEE DETECTABLE WARNING DEVICE PLACEMENT DETAILS ON SHEET 6 OF 9 (TYP.)

CLEAR SPACE (SEE NOTE 26)

NOTE:

ALL NOTES REFERENCED ON THIS SHEET CAN BE FOUND ON SIDEWALK CURB RAMP DETAILS SHEET 1 OF 9.

NOTE:

TO EDGE OF PAVEMENT (TYP.)

CONCRETE SIDEWALK FLUSH TO EDGE OF PAVEMENT (TYP.)

SEE SHEET 2 OF 9 FOR RAMP SIDE OPTIONS

SEE SHEET 7 OF 9 FOR RAMP SIDE OPTIONS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DESIGN

SIDEWALK CURB RAMP DETAILS (SHEET 3 OF 9)
CURB RAMP CONFIGURATIONS

TYPE 8
MID BLOCK CROSSING OR T INTERSECTION

TYPE 9
MID BLOCK CROSSING OR T INTERSECTION

TYPE 10
MID BLOCK CROSSING OR T INTERSECTION

TYPE 11
MID BLOCK CROSSING OR T INTERSECTION

NOTE:
ALL NOTES REFERENCED ON THIS SHEET CAN BE FOUND ON SIDEWALK CURB RAMP DETAILS, SHEET 1 OF 9.
CURB RAMP CONFIGURATIONS

TYPE 12
SLIP RAMP

TYPE 13
ACCESS ISLAND CURB RAMP

TYPE 14
SIDEWALK TO SHOULDER TRANSITION

NOTE:
TO EDGE OF PAVEMENT
CONCRETE SIDWALK FLUSH TO EDGE OF PAVEMENT (TYP.)

SIDEWALK CURB RAMP DETAILS
(SHEET 6 OF 9)

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DESIGN

All notes referenced on this sheet can be found on Sidewalk Curb Ramp Details, Sheet 1 of 9.
GRADE BREAK TO BACK OF CURB LESS THAN 5.00'

OPTION 1

OPTION 2

GRADE BREAK AT BOTTOM OF RAMP
- CONCRETE SIDEWALK PLUSH TO EDGE OF PAVEMENT
- ONE CORNER OF DETECTABLE WARNING DEVICE LOCATED AT BACK OF CURB (SEE NOTE 28)

OPTION 2A

GRADE BREAK AT BOTTOM OF RAMP
- CONCRETE SIDEWALK PLUSH TO EDGE OF PAVEMENT
- LOCATE DETECTABLE WARNING DEVICE AT BACK OF CURB OFFSET (SEE NOTE 28)

OPTION 3

GRADE BREAK TO BACK OF CURB GREATER THAN 5.00'

OPTION 4

GRADE BREAK AT BOTTOM OF RAMP
- CONCRETE SIDEWALK PLUSH TO EDGE OF PAVEMENT
- ONE CORNER OF DETECTABLE WARNING DEVICE LOCATED AT BACK OF CURB (SEE NOTE 28)

OPTION 5

GRADED TO BACK OF CURB GREATER THAN 5.00'

DETECTABLE WARNING DEVICE (DWD) PLACEMENT OPTION DETAILS

NOTE:
ALL NOTES REFERENCED ON THIS SHEET CAN BE FOUND ON SIDEWALK CURB RAMP DETAILS, SHEET 1 OF 9.
**Detectable Warnings at Pedestrian Refuge Islands**

- Provide min. 6.00' × 6.00' clear space landing within 10' of APS button. (See Notes 23, 24, & 25)
- Locate pushbutton assembly 2.00' max. from curbline or edge of street.
- Locate pushbutton assembly 10.00' min. between buttons.
- If less than 6.00' wide, det. accessible warning surfaces.
- Curb ramp flush to edge of pavement.

**Detectable Warnings at Railroad Crossing**

- Provide min. 6.00' and 10.00' max. from the centerline of the nearest rail outside of any gates.

**Detectable Warnings at Bicycle Slip Lane at Roundabouts**

- Field out detectable warning device to ensure complete coverage.
- Locate detectable warning panels at edge of slip lane below grade break.
- Grade break.

**Additional Details**

- Ensure complete coverage.
- Field out detectable warning device.
- Locate detectable warning panels.

**Notes**

- All notes referenced on this sheet can be found on Sidewalk Curb Ramp Details, Sheet 1 of 9.

**Special Details**

- Accessible Pedestrian Signal (APS) Pushbutton Location.
- Pedestrian Gate Outside of Any Gates.
A = G2 - G1

PART OF RAMP STEEP EIGHT 8.3% MAX. AT CURB RAMP GRADE

CLEAR SPACE 4.00' CLEAR SPACE 4.00'

COUNTER SLOPE CONDITION 1

ALGEBRAIC DIFFERENCE (A) BETWEEN ROADWAY CROSS SLOPE REQUIREMENTS AND CURB RAMP GRADE IS LESS THAN 13.3%.

CLEAR SPACE 4.00' CLEAR SPACE 4.00'

COUNTER SLOPE CONDITION 2

ALGEBRAIC DIFFERENCE (A) BETWEEN ROADWAY CROSS SLOPE REQUIREMENTS AND CURB RAMP GRADE IS GREATER THAN 13.3%.

SECTION A-A

SEE SHEET 7 OF 9

SECTION B-B

SEE SHEET 7 OF 9

VERTICAL SURFACE DECONTINUITIES

SEE NOTE 5

TRANSITION BETWEEN CURB RAMP AND EXISTING SIDEWALK USE FOR CROSS SLOPE AND WIDTH TRANSITIONS

NOTE:

ALL NOTES REFERENCED ON THIS SHEET CAN BE FOUND ON SIDEWALK CURB RAMP DETAILS, SHEET 1 OF 9.