GENERAL NOTES:
1. All references are in accordance with the Americans with Disabilities Act (ADA) and the requirements of the Code Provided Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way, as approved and/or modified by the NHDOT ADA Coordinator.
2. Not all facilities can be constructed to meet the design standards. Facilities may be constructed to meet the standards in the context of particular practical applications. No facilities shall be constructed to the minimum accessibility requirements of the ADA and ADAAG, and no proposed improvements shall be submitted to NHDOT ADA Coordinator for approval.
3. The slope of a sidewalk is measured perpendicular to the direction of travel. The grade shall be measured from the finished surface to the finished surface. The grade shall be measured as the difference in elevation between the starting point and the ending point of the slope.
4. Grades: Running slopes are measured in the direction of travel, and cross slopes are measured perpendicular to the direction of travel.

SIDEWALK CURB RAMP DETAILS (SHEET 1 OF 9)

Curb Ramp Notes:
15. The maximum width of a curb ramp shall be 4.00'.
16. The full width of the ramp or landing shall be contained within the minimum transition length of the curb ramp.
17. Curb ramps are not required in locations where there is no accessibility pedestrian access. However, it is serving as a landing for a pedestrian signal.
18. The grade running slope of a curb ramp shall be a maximum of 8.3%.
19. Existing conditions at 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 100'.
20. The cross slope of the curb ramp shall be as flat as possible, and only the existing grade shall be considered. No additional grading shall be required for the curb ramp.
21. These points are recorded on sheet 7 of 9. The buffer zone shall be provided on the existing grade, except for the buffer zone behind the curb ramp, which can be provided on the finished grade.
22. The backside of a parallel curb ramp shall be elevated to match existing conditions, and the buffer zone between the two ramps shall be provided. No additional grading shall be required for the curb ramp.

Turning Space and Clear Space Notes:
23. Where a curb ramp is provided between two pedestrian crossings, a turning space shall be provided in the space between the curb ramp as applicable.
24. Where there are no vertical constraints at the back of the sidewalk, the turning space shall be provided in the space between the curb ramp and the sidewalk. The turning space shall be provided perpendicular to the curb ramp.
25. Curb ramp maximum cross slope is 2% in any direction.
26. The turning space for a curb ramp, a turning space length is 4.00' x 4.00'. The turning space shall be provided in the space between the curb ramp and the sidewalk. The turning space shall be provided perpendicular to the curb ramp.

Detectable Warning Device Notes:
27. Detectable warning devices are provided at the following locations on pedestrian access routes:

- Curb ramps at pedestrian crossings.
- Pedestrian refuge islands where the length of the pedestrian access route across the refuge island is greater than or equal to 4.00' or 6.00'. See sheet 8 of 9.
- Pedestrian at-grade rail crossings not located within a street or highway.
- Pedestrian at-grade rail crossings where the rail is within 10 feet of a crossing.

28. Some detectable warning products require concrete cores for proper installation; if required, the cores shall be located at or within 10 feet of the curb ramp.
29. The TAPs (total accessibility products) are not drawn to scale; the quantity of cores depicted on the detectable warning device detail is for illustration only. The size of the cores shall be determined by the road design.
30. Where detectable warning devices are provided, the cross slope of the curb ramp shall be a maximum of 2%.
31. The detectable warning device detail is for illustration only. See sheet 8 of 9 for details on the detectable warning device details.
32. The detectable warning markers shall be cast iron with no surface coating and shall be aligned to the natural surface.

DEFINITION OF TERMS:
Landscaping: 4.00' x 4.00' clear space with a 2% slope or less in all directions. Suitable for plants or shrubs that are not required to comply with accessibility standards.

TREATMENT KEY LEGEND:
(Restricted Style Projects)
- RR X-ing: Crosswalk (See Sheet 7 of 9)
- RR Corridor: Corridor (See Sheet 6 of 9)
- RR Ramp: Ramp (See Sheet 8 of 9)
- RR Ramp: Ramp (See Sheet 9 of 9)
- RR Ramp: Ramp (See Sheet 10 of 9)

INDEX OF SHEETS:
1 of 9: Index of Sheets and General Notes
2 of 9: Curb Ramp Configuration Type 8 - 11
3 of 9: Curb Ramp Configuration Type 9 - 13
4 of 9: Curb Ramp Configuration Type 14 - 17
5 of 9: Curb Ramp Configuration Type 18 - 21
6 of 9: Curb Ramp Configuration Type 22 - 25
7 of 9: Curb Ramp Configuration Type 26 - 29
8 of 9: Curb Ramp Configuration Type 30 - 33
9 of 9: Curb Ramp Configuration Type 34 - 37
CURB RAMP CONFIGURATIONS

**TYPE 1**

**TYPE 2**

**TYPE 3**

**TYPE 4**

**TYPE 5**

**NOTE:**

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

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**STATE OF NEW HAMPSHIRE**

**DEPARTMENT OF TRANSPORTATION**

**BUREAU OF HIGHWAY DESIGN**

**SHEET 2 OF 9**

**NOT FOR NEW DESIGNS - RETROFITS ONLY**

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**STATE PROJECT NO.**

**DGN**

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**REVISION DATE**

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**TOTAL SHEETS**

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CURB RAMP CONFIGURATIONS

TYPE 6

TYPE 7

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

**OPTION 2**

**OPTION 2A**

**OPTION 3**

**OPTION 4**

**OPTION 5**

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**GRADE BREAK TO BACK OF CURB LESS THAN 5.00’**

**GRADE BREAK TO BACK OF CURB GREATER THAN 5.00’**

**DETECTABLE WARNING DEVICE (DWD) PLACEMENT OPTION DETAILS**

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**NOTE:**

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

OPTION A
FLARED CONCRETE

OPTION B
GRADED EARTH

OPTION C
UNCURBED INTERSECTION

RAMP BACK TREATMENTS

OPTION A
GRADED EARTH AND TURF

OPTION B
BACK CURB

OPTION C
UNCURBED INTERSECTION
ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSHBUTTON LOCATION

DETECTABLE WARNINGS AT PEDESTRIAN REFUGE ISLANDS

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

DETECTABLE WARNINGS AT PEDESTRIAN GATE WHERE PROVIDED (TYP.)

DETECTABLE WARNINGS AT RAILROAD CROSSING

NOTE:
WHERE PROVIDED (TYP.)
A = G2 - G1

PART OF RAMP STEEPEST 8.3% MAX. AT CURB RAMP GRADE (8.3% MAX.)
CURB RAMP GRADE (8.3% MAX.)
CURB RAMP CROSS SLOPE

CROSS SLOPE REQUIREMENTS REFER TO NOTE 20 FOR CLEAR SPACE 4.00'
2.00' MIN. TRANSITION STRIP (MAX. GRADE 5%)
CLEAR SPACE 4.00'

CROSS SLOPE SIDEWALK EXISTING ROADWAY GRADE

SEGMENT END TO MATCH TRANSITION SIDEWALK CROSS SLOPE
EXISTING SIDEWALK SEGMENT END TO MATCH TRANSITION SIDEWALK CROSS SLOPE

TRUNCATED DOME DIMENSIONS

TRUNCATED DOME DETAILS

NOTE:
1. 6" - 2.4" MAX.

DETECTABLE WARNING DEVICES (DWD)
TRUNCATED DOME DETAILS

SECTION A-A
SEE SHEET 7 OF 9

SECTION B-B
SEE SHEET 7 OF 9

VERTICAL SURFACE DISCONTINUITIES
SEE NOTE 5

SIDEWALK TRANSITION 5.00' MIN. / 10.00' MAX.
RAMP, 2% MAX. CROSS SLOPE
CONTINUOUS SIDEWALK TO EDGE OF PAVEMENT
EXISTING TRANSVERSE JOINT

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

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DESIGN
SPECIAL DETAILS

SIDEWALK CURB RAMP DETAILS
(SHEET 9 OF 9)