



**New York City
Department of
Transportation**

**Technical
Bulletin**

**TB
22-002**

Title: H-1060 Steel Faced Curb at Pedestrian Ramps and Sidewalk Curb

Approved:

How Sheen Pau, P.E.
How Sheen Pau, P.E. (Aug 16, 2022 14:23 EDT)

Aug 16, 2022
Date

How Sheen Pau, P.E.

Assistant Commissioner

NYC DDC Infrastructure Design

Approved:

Roger K. Weld, P.E.
Roger K. Weld, P.E. (Aug 1, 2022 17:21 EDT)

Aug 1, 2022
Date

Roger Weld, P.E.

Chief Engineer

NYC DOT Design and Construction

1. Administrative Information.

Effective Date: This Technical Bulletin (TB) is effective with projects advertised on or after June 27, 2022.

Effective Period: This TB will be effective until the issuance of New York City Department of Transportation (NYC DOT) Standard Detail of Construction H-1060.

2. Purpose.

The purpose of this TB is to provide interim construction details for steel faced curb at pedestrian ramps (curb ramps) and sidewalk curbs as reference in the NYC DOT Standard Details of Construction H-1011-1 through H-1011-9.

3. Technical Information.

The attached details may be used in lieu of NYC DOT Standard Detail of Construction H-1060 where referenced in NYC DOT Standard Detail of Construction H-1011.

The attached details may be added to contract documents as determined by the Designer-of-Record.

4. Application.

This TB is applicable to all references of sidewalk curb and steel faced curb at pedestrian ramps in NYC DOT Standard Details of Construction H-1011-1 through H-1011-9.

5. Background.

The revised NYC DOT Standard Details of Construction H-1011-1 through H-1011-9 contains several design solutions to achieve ADA compliant pedestrian ramps (curb ramps), including the construction of curbing to the side of ramps within the sidewalk in place of side flares, where sidewalk elevation differences need to be accounted for, where flares may not be an appropriate means of making up sidewalk elevation differences. Side curbs have been designed for use in cut through detail NYC DOT Standard Detail of Construction H-1003B – Pedestrian Crosswalk Mall Type B, however, there is no equivalent NYC DOT standard applicable to

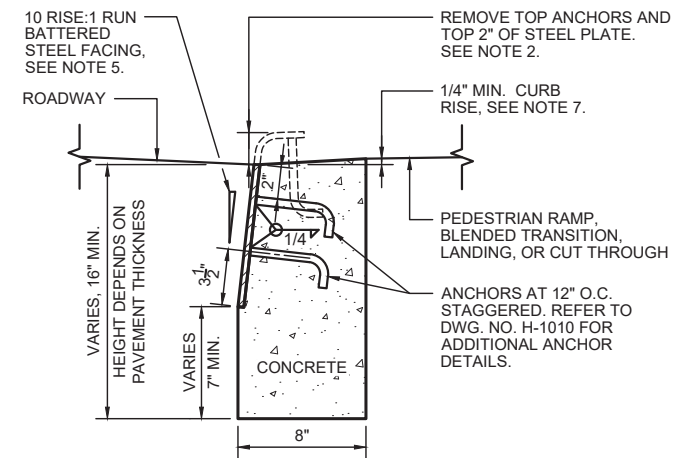
ramps. The development of NYC DOT Standard Detail of Construction H-1060 was undertaken to address the missing standard that was previously addressed by incorporating custom details in contract documents.

6. Contact.

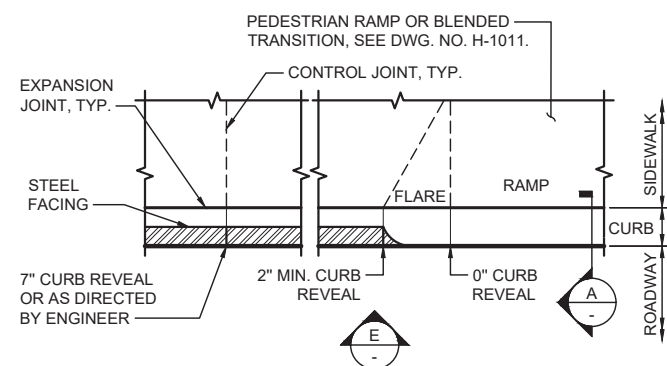
Questions concerning this issuance can be submitted by email to pedramp@dot.nyc.gov.

NOTES:

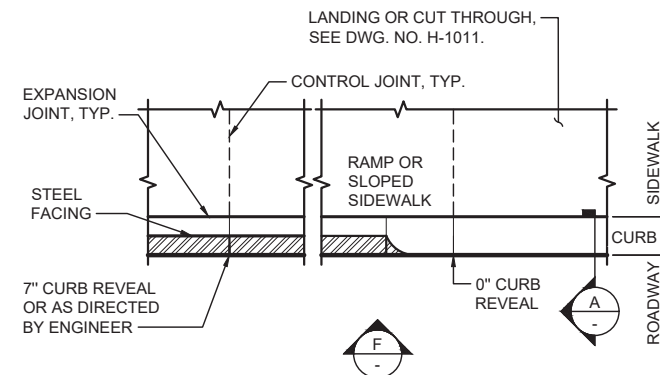
1. ALL MATERIALS AND CONSTRUCTION METHODS USED MUST CONFORM TO SECTION 4.09 OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION (NYC DOT) STANDARD HIGHWAY SPECIFICATIONS.
2. FOR STEEL FACED CONCRETE CURB, SEE DWG. NO. H-1010.
3. ALL EXPOSED CUT STEEL CURB SURFACES MUST BE GROUND SMOOTH.
4. FOR PEDESTRIAN RAMPS, SEE DWG. NO. H-1011. THE ROUNDED EDGE OF STEEL CURB FACING MUST BE REMOVED AT THE FLUSH CURB OF PEDESTRIAN RAMPS, BLENDED TRANSITIONS, AND CUT THROUGH.
5. VERTICAL STEEL FACING MAY BE USED FOR CORNER CURBS, PROVIDING THE ENDS ARE WARPED TO FORM A TRANSITION AND ALIGN WITH ADJACENT BATTERED STEEL FACED CURB.
6. STEEL CURB FACING WITH LESS THAN TWO WELDED ANCHORS MUST BE WELDED TO THE ADJACENT STEEL CURB FACING.
7. FLUSH CURB MAY BE CONSTRUCTED WITH A RISE OF ONE QUARTER INCH (1/4") TO ONE HALF INCH (1/2"). AT FLUSH CURB, THE TRANSVERSE CURB SLOPE MUST NOT BE LESS THAN THE SIDEWALK SLOPE. POSITIVE DRAINAGE MUST BE PROVIDED AT FLUSH CURB.



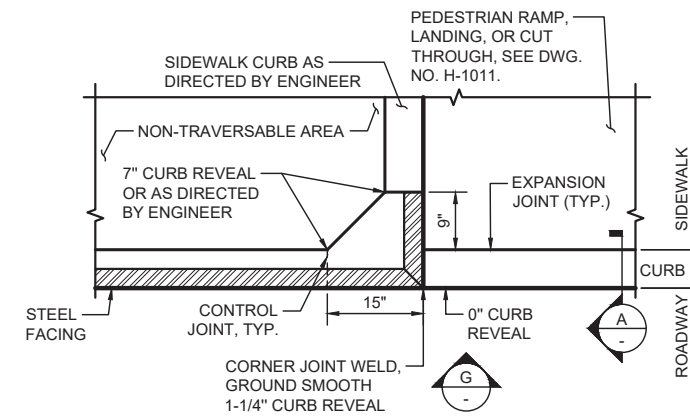
A FLUSH STEEL FACED CONCRETE CURB - SECTION VIEW
SCALE: N.T.S.



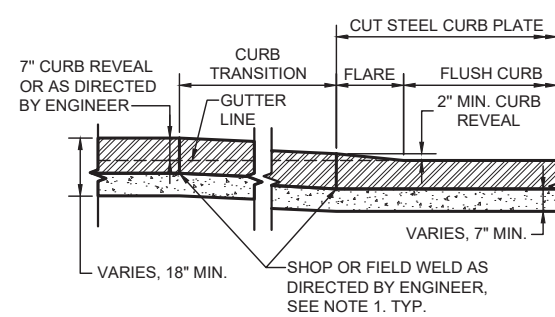
B STEEL FACED CONCRETE CURB AT RAMP SIDE FLARES - PLAN VIEW
SCALE: N.T.S.



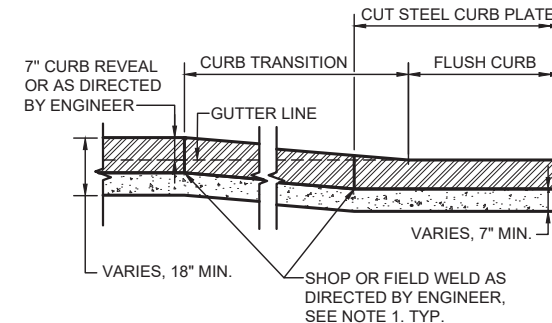
C STEEL FACED CONCRETE CURB AT SLOPED SIDEWALK - PLAN VIEW
SCALE: N.T.S.



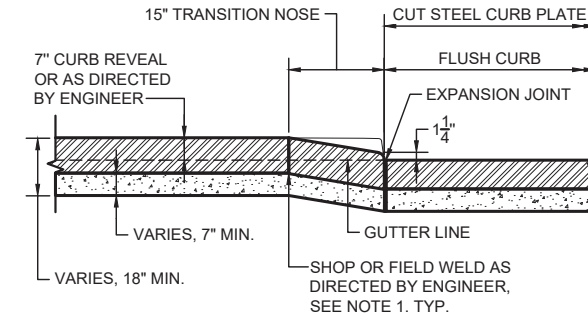
D STEEL FACED CONCRETE CURB AT TRANSITION NOSE - PLAN VIEW
SCALE: N.T.S.



E STEEL FACED CONCRETE CURB AT RAMP SIDE FLARES - ELEVATION VIEW
SCALE: N.T.S.



F STEEL FACED CONCRETE CURB AT SLOPED SIDEWALK - ELEVATION VIEW
SCALE: N.T.S.

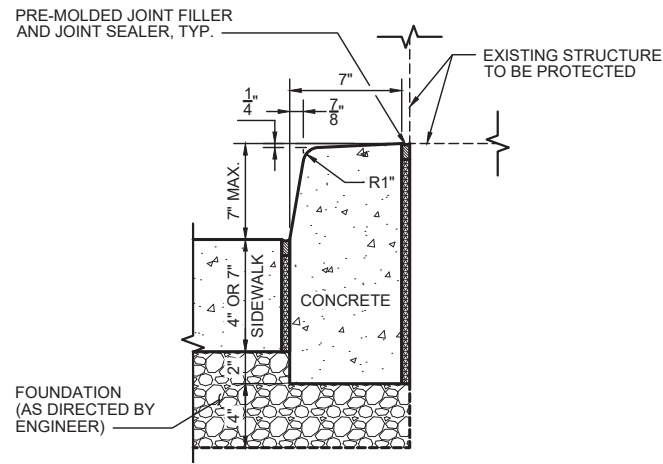


G STEEL FACED CONCRETE CURB AT TRANSITION NOSE - ELEVATION VIEW
SCALE: N.T.S.

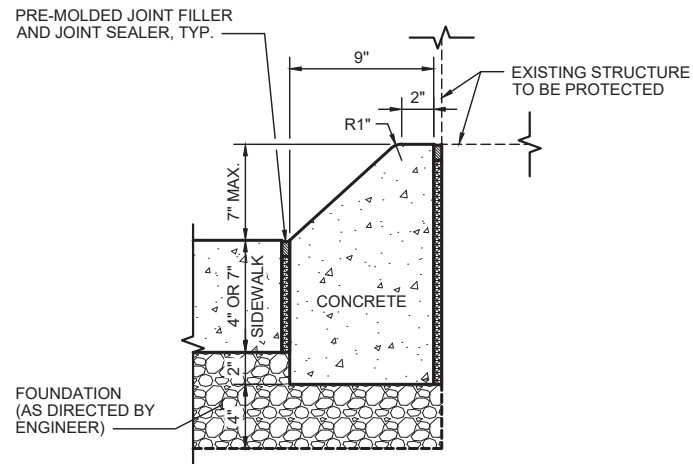


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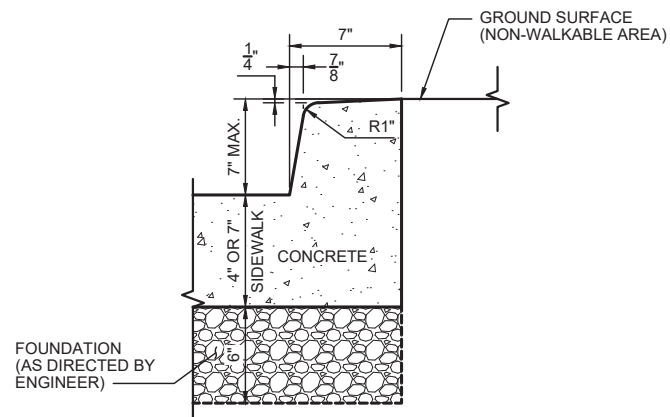
MISCELLANEOUS CURBS
STEEL FACED CURB AT PEDESTRIAN RAMPS



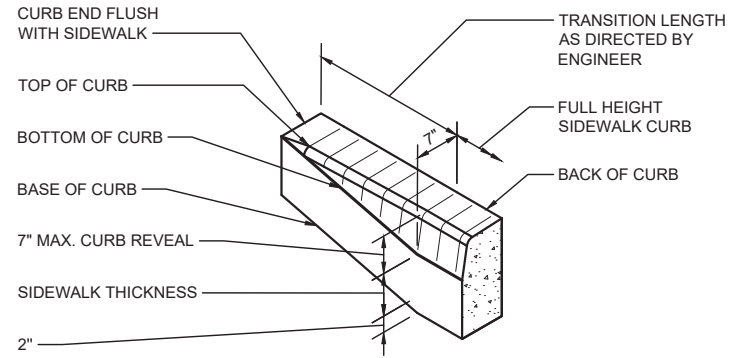
H CONCRETE SIDEWALK CURB - SECTION VIEW
SCALE: N.T.S.



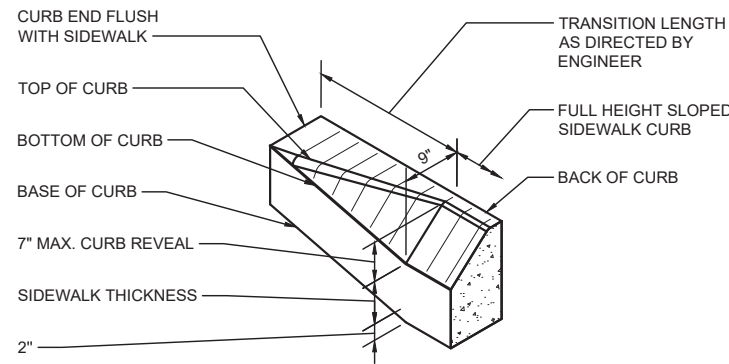
J SLOPED CONCRETE SIDEWALK CURB - SECTION VIEW
SCALE: N.T.S.



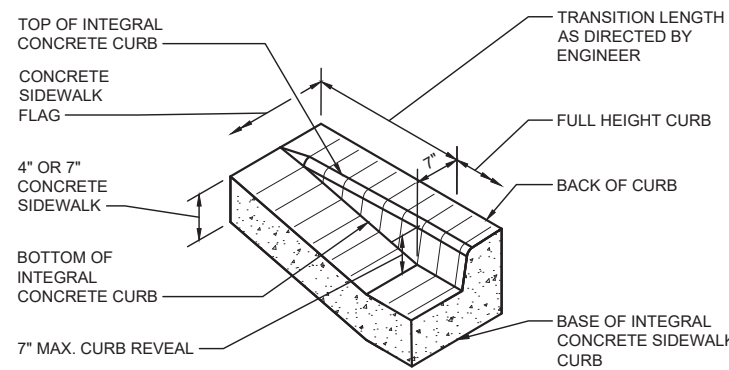
K INTEGRAL CONCRETE SIDEWALK CURB - SECTION VIEW
SCALE: N.T.S.



L SIDEWALK CURB TRANSITION FLUSH TO FULL HEIGHT
ISOMETRIC VIEW
SCALE: N.T.S.



M SLOPED SIDEWALK CURB TRANSITION FLUSH TO FULL HEIGHT
ISOMETRIC VIEW
SCALE: N.T.S.



N INTEGRAL SIDEWALK CURB TRANSITION FLUSH TO FULL HEIGHT
ISOMETRIC VIEW
SCALE: N.T.S.

NOTES:

- FOR SIDEWALK CURB AT PEDESTRIAN RAMPS, SEE DWG. NO. H-1011.
- FOR STEEL FACED CURB CONSTRUCTION AT SIDEWALK CURBS, SEE DETAILS D AND G ON DWG. NO. H-1060-1.
- ALL MATERIALS AND CONSTRUCTION METHODS USED MUST CONFORM TO SECTION 4.08 OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION (NYC DOT) STANDARD HIGHWAY SPECIFICATIONS.
- CONCRETE SIDEWALK CURB OR SLOPED CONCRETE SIDEWALK CURB MUST BE INSTALLED AS DIRECTED BY THE ENGINEER, WHERE PROPOSED REDUCED SIDEWALK GRADES WOULD OTHERWISE COMPROMISE THE INTEGRITY OF N.Y.C. TRANSIT AUTHORITY (T.A.) FACILITIES, UNDER-SIDEWALK BUILDING VAULTS, UTILITY STRUCTURES, EXISTING SIDEWALK ENCROACHMENTS TO REMAIN, (SUCH AS BRICK AND/OR MASONRY WALLS) EXPOSED TREE ROOTS, OR EXPOSED EXISTING BURIED BUILDING FACADES.
- INTEGRAL CONCRETE SIDEWALK CURB MUST BE INSTALLED AS DIRECTED BY THE ENGINEER WHERE PROPOSED REDUCED SIDEWALK GRADES WOULD OTHERWISE COMPROMISE THE INTEGRITY OF TREE ROOTS.
- INTEGRAL CONCRETE SIDEWALK CURB MAY BE INSTALLED AS DIRECTED BY THE ENGINEER WHERE PROPOSED PEDESTRIAN RAMPS, LANDINGS, OR REDUCED SIDEWALK GRADES ADJOIN SOIL, GRANITE BLOCK PAVERS WITH SAND JOINTS, SODDING, OR OTHER FLEXIBLE GROUND SURFACES.
- EXPANSION JOINTS IN SIDEWALK CURB MUST COMPLY WITH NYC DOT STANDARD SPECIFICATIONS SECTION 4.08 AND DWG. NO. H-1060-1. EXPANSION JOINTS IN CONCRETE SIDEWALK MUST COMPLY WITH NYC DOT STANDARD SPECIFICATIONS SECTION 4.13.
- WHERE SIDEWALK CURB IS USED TO AVOID A STRUCTURE OR NON-WALKABLE AREA ADJACENT TO A PEDESTRIAN CIRCULATION PATH, SIDEWALK CURB MAY BE WRAPPED AROUND STRUCTURE OR NON-WALKABLE AREA TO ACCOMMODATE REDUCED SIDEWALK GRADE.
- AT THE INTERSECTION OF SIDEWALK CURB RUNS, INCLUDING WHERE SIDEWALK CURB IS WRAPPED AROUND STRUCTURES OR NON-WALKABLE AREAS, A SINGLE ONE HALF INCH (1/2") OR ONE QUARTER INCH (1/4") EXPANSION JOINT WITH PRE-MOLDED JOINT FILLER AND JOINT SEALER MUST BE PROVIDED.



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MISCELLANEOUS CURBS
SIDEWALK CURBS

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Scale:
AS SHOWN

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