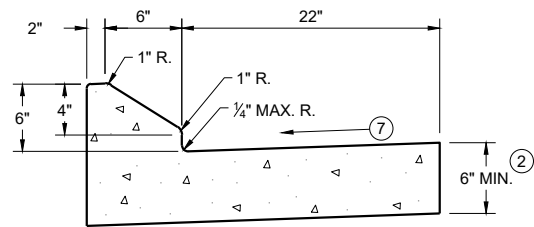
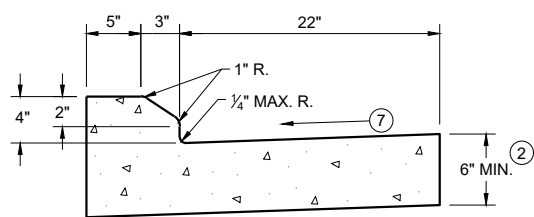


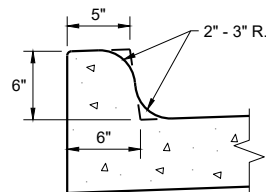
TYPES A^① & D



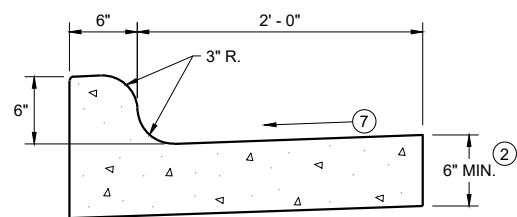
6" SLOPED CURB TYPES G^① & J



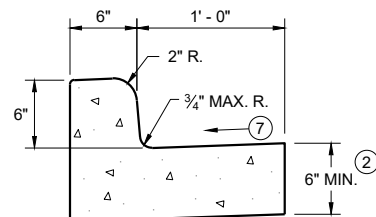
4" SLOPED CURB TYPES G^① & J



TYPES K^① & L
(OPTIONAL CURB SHAPE)

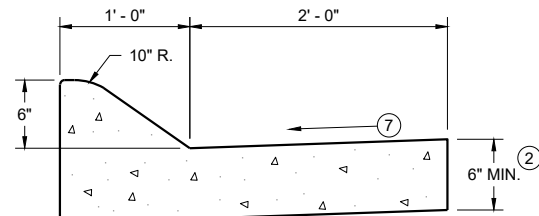


TYPES K^① & L
CONCRETE CURB AND GUTTER 30"

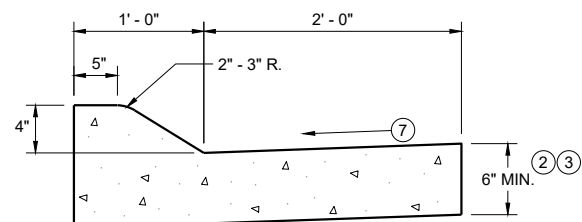


TYPES A^① & D

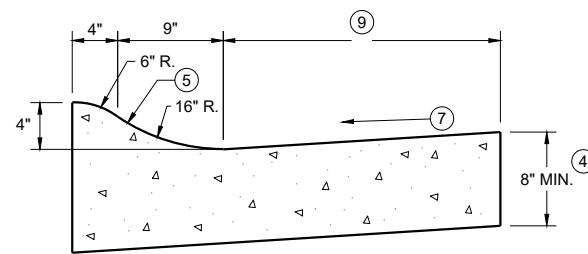
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A^① & D

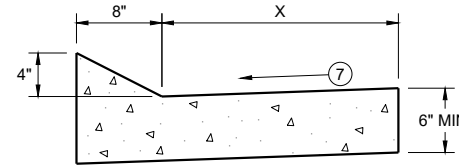


4" SLOPED CURB TYPES A^① & D
CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R^① & T

TBT & TBTT	X
30"	22"
36"	28"

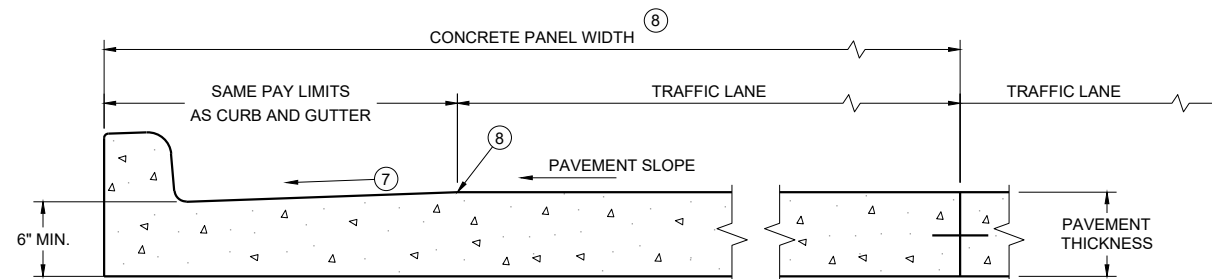


TYPES TBT & TBTT^①

CONCRETE CURB AND GUTTER

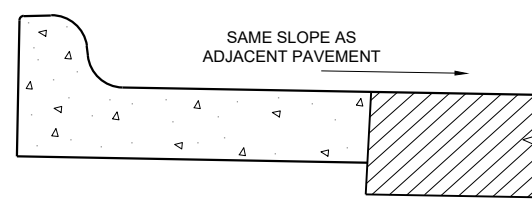
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER^⑥
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

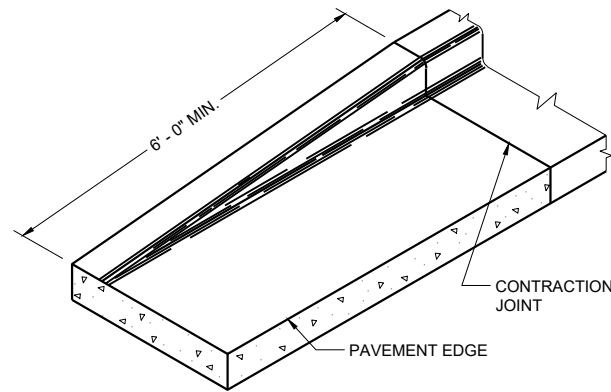
DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

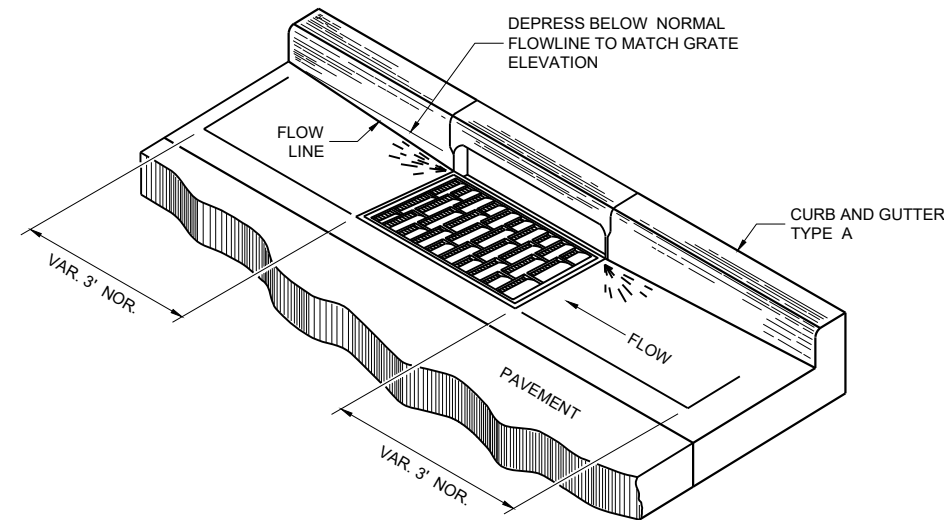
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
- ④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ⑤ UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- ⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- ⑦ USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- ⑧ INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.
- ⑨ CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

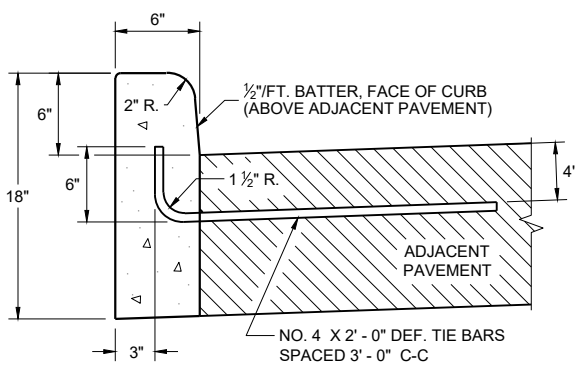


END SECTION CURB AND GUTTER

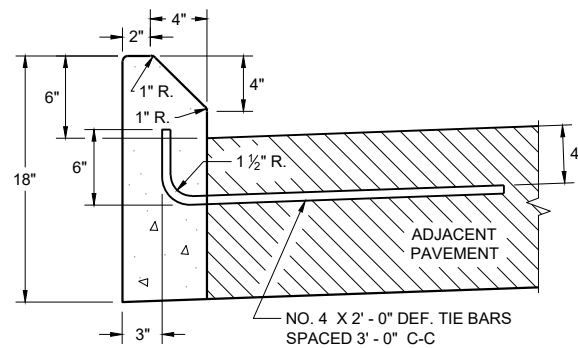


DETAIL OF CURB AND GUTTER AT INLETS

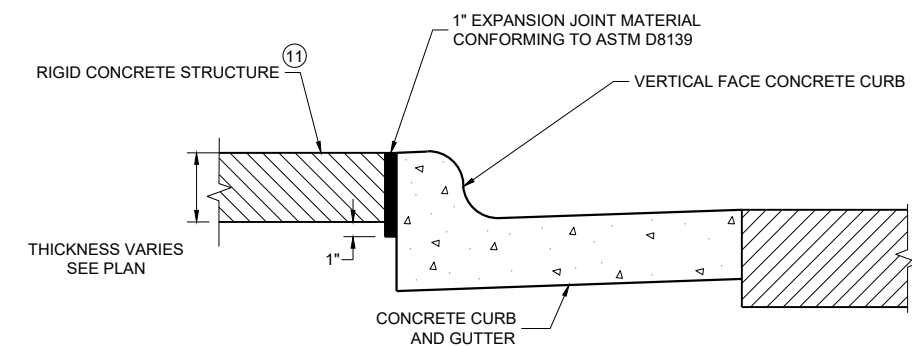
(TYPICAL H INLET COVER SHOWN)



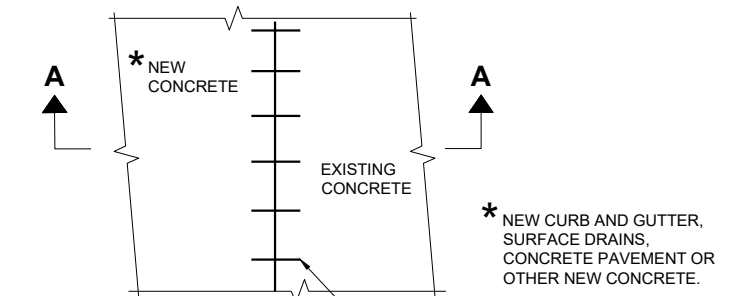
TYPES A^① & D



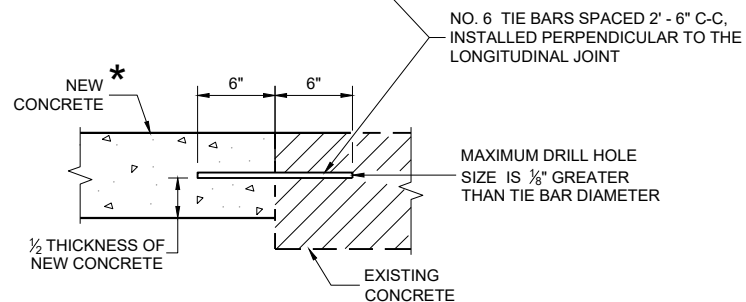
**TYPES G^① & J
CONCRETE CURB**



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE^⑪



PLAN VIEW



**SECTION A - A
TIE BARS DRILLED INTO EXISTING PAVEMENT**

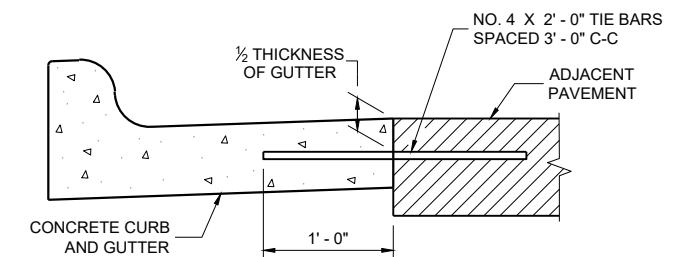
GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

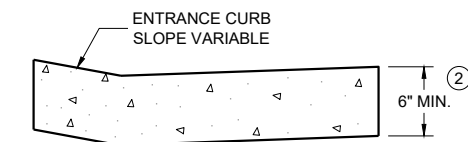
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ⑩ REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.
- ⑪ PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.



TYPICAL TIE BAR LOCATION^①



**DRIVEWAY ENTRANCE CURB^⑩
(WHEN DIRECTED BY THE ENGINEER)**

6

6

SDD 08D01-23b

SDD 08D01-23b

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/s/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

Concrete Curb, Concrete Curb & Gutter and Ties

References:

[FDM 11-20-1](#)

Bid items associated with this drawing:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
416.0610	Drilled Ties Bars	EACH
601.0105	Concrete Curb Type A.....	LF
601.0110	Concrete Curb Type D.....	LF
601.0115	Concrete Curb Type G	LF
601.0120	Concrete Curb Type J	LF
601.0150	Concrete Curb Integral Type D.....	LF
601.0155	Concrete Curb Integral Type J	LF
601.0405	Concrete Curb & Gutter 18-Inch Type A.....	LF
601.0407	Concrete Curb & Gutter 18-Inch Type D	LF
601.0409	Concrete Curb & Gutter 30-Inch Type A.....	LF
601.0411	Concrete Curb & Gutter 30-Inch Type D	LF
601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF
601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J.....	LF
601.0417	Concrete Curb & Gutter 30-Inch Type K.....	LF
601.0419	Concrete Curb & Gutter 30-Inch Type L.....	LF
601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF
601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF
601.0456	Concrete Curb & Gutter Integral 30-Inch Type L.....	LF
601.0501	Concrete Curb & Gutter Integral 4-Inch Sloped 36-Inch.....	LF
601.0511	Concrete Curb & Gutter Integral 6-Inch Sloped 36-Inch.....	LF
601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF
601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF
601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF
601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF
601.0574	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type G	LF
601.0576	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type J.....	LF
601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF
601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T.....	LF
601.0584	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type TBT	LF
601.0586	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type TBTT	LF
601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF
601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF

Standardized Special Provisions associated with this drawing:

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

Other SDDs associated with this drawing:

NONE

Design Notes:

Any special curb or curb and gutter, different from those listed above, requires a SPV.0900 item number, special provision and special detail.

List in miscellaneous quantities all curb and curb and gutter types along with STA-STA limits LT and RT. Label typical finished sections with curb and curb and gutter types. Indicate on plan sheets where reverse slope gutter is required.

A 4% gutter cross slope is the standard slope. The longstanding 3/4" per foot (= 6.25%) cross slope may still be used for various applications. Refer to [FDM 11-20-1.2.1.1](#) for gutter cross slope selection and plan labeling criteria. Also refer to [FDM 11-46-10.3](#) for gutter cross slope guidance with curb ramp applications. Provide inlet spacing for selected gutter cross slope per [FDM 13-25-15](#). Provide construction detail if project requires modification to the standard gutter cross slope.

The face of curb for the Type R and T is 6-inches from the back of curb.

Use the end section curb & gutter at railroad crossings where curb & gutter is present and at driveways where the sidewalk is adjacent to the back of curb.

Curb and gutter Type TBT (Thrie Beam Transition) and TBTT (Thrie Beam Transition Tied) can be used with thrie beam transitions to control water by the thrie beam transition. See the Thrie Beam Transition SDDs for more information. In some cases, TBT and TBTT are required for proper performance of the thrie beam transition.

Note:

Do not use this SDD for Items 601.0199.s Concrete Curb Precast or 465.0310 Asphaltic Curb. Always include a construction detail in the plan for these items (See AutoCAD blocks named "Precast Concrete Curb" and "Asphaltic Curb Detail 2" found in Construction Details palette CDCRBGTR {Curb and Gutter Details}).

Contact Person:

Rodney Taylor (608) 261-8207