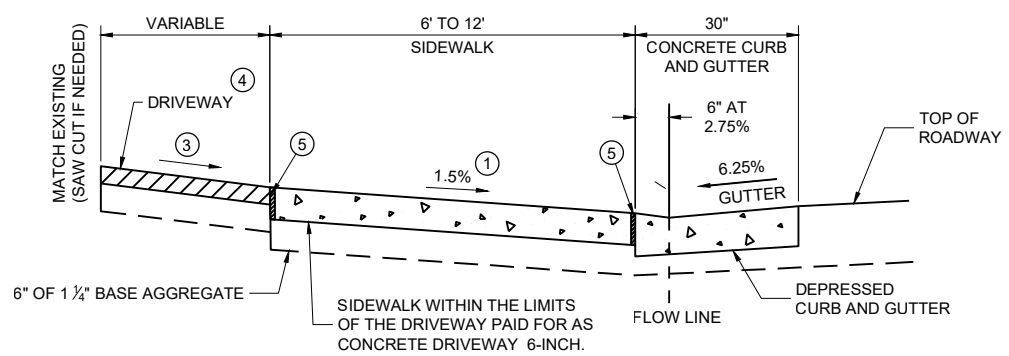
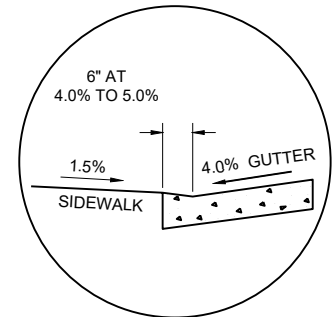


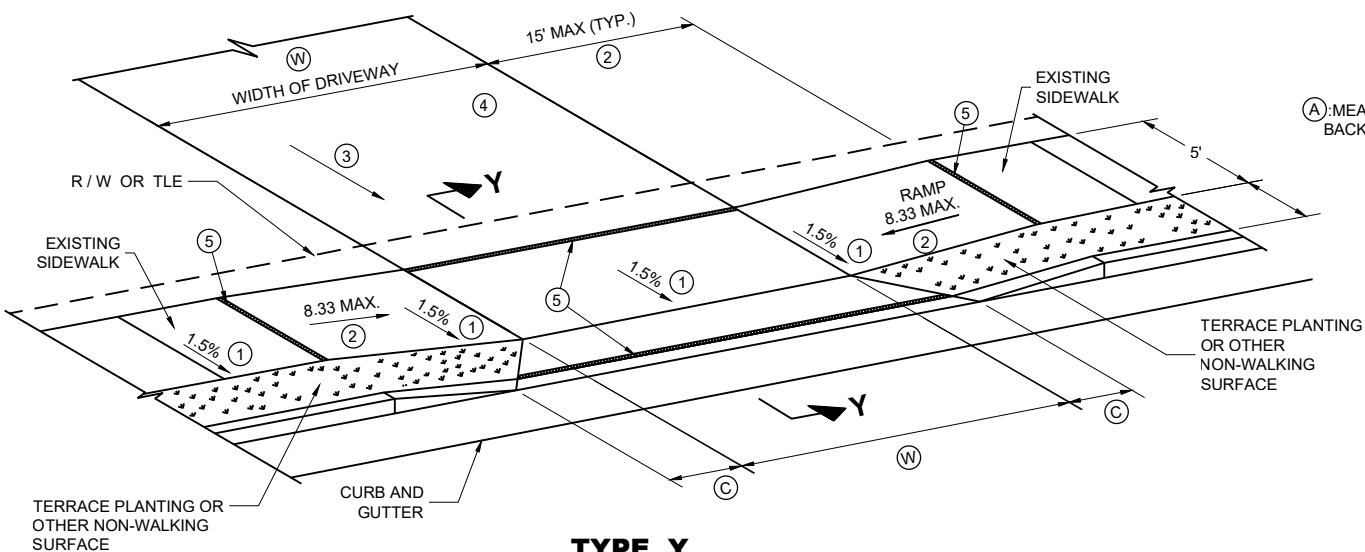
**TYPE X**  
**SIDWALK ABUTS CURB AND GUTTER**  
**TERRACE VARIES 0 TO 3 FEET**



**SECTION X - X**

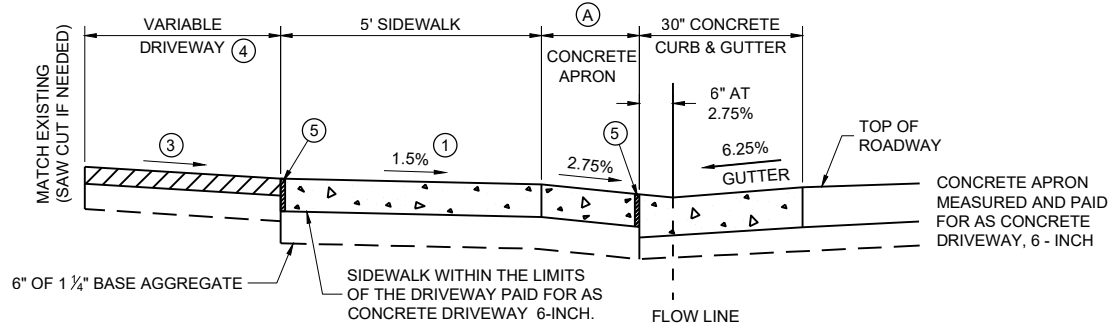


**SECTION X - X**  
**4% GUTTER SLOPE**



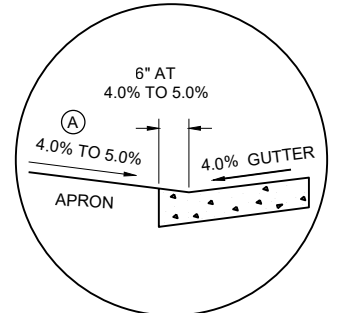
**TYPE Y**  
**SIDWALK WITH NARROWER TERRACE**  
**TERRACE VARIES 4 TO 6 FEET**

(A): MEASURE FROM  
 BACK OF CURB



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

**SECTION Y - Y**  
**DRIVEWAY DETAIL WITH CONCRETE**  
**CURB AND GUTTER**  
**(URBAN AND SUBURBAN)**



**SECTION Y - Y**  
**4% GUTTER SLOPE**

**TABLE Y**

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND  
 NON-COMMERCIAL (PE & FE)  
 16' MIN. - 35' MAX. COMMERCIAL (CE)

**GENERAL NOTES**

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ **DRIVEWAY SLOPES: DESIRABLE MAXIMUM**  
 10.5% UP AWAY FROM SIDEWALK (SAG)  
 8.5% DOWN AWAY FROM SIDEWALK (CREST)  
 ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ **DRIVEWAY TYPES**  
 · 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE  
 · 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE  
 · 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ 1/2" EXPANSION JOINT FILLER

**DRIVEWAY AND**  
**SIDWALK RAMPS**  
**TYPES X AND Y**

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

APPROVED

July 2023  
 DATE

/s/ Rodney Taylor  
 ROADWAY STANDARDS DEVELOPMENT  
 UNIT SUPERVISOR

FHWA

*Driveway and Sidewalk Ramps Types X and Y*

**References:**

Guide for the Geometric Design of Driveways, NCHRP Report 659, Transportation Research Board  
[FDM 11-20-10](#) Driveways

**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
305.0120	Base Aggregate Dense 1 1/4-inch.....	Ton
602.0810	Concrete Driveway 6-inch .....	SY
602.0860	Concrete Driveway HES 6-inch .....	SY
602.0405	Concrete Sidewalk 4-inch.....	SF

**Standardized Special Provisions associated with this drawing:**

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

**Other SDDs associated with this drawing:**

- [SDD 8D19](#) Driveway and Sidewalk Ramps Type Z
- [SDD 8D20](#) Driveways with Curb and Gutter Returns

**Design Notes:**

Sidewalk within the limits of the driveway shall be measured and paid for as Concrete Driveway 6-inch.  
 Comply with ADA and PROWAG requirements for sidewalk cross slopes (1.5 percent for WIsDOT projects).  
 Comply with ADA and PROWAG 8.33 percent maximum sidewalk ramp profiles when placing existing and proposed sidewalks next to driveways.  
 Label driveway widths and locations on the Plan and Profile Sheets.  
 Label elevations, offsets and percent grades on Cross Sections.

**Contact Person:**

John Jenkins (608) 267-6975