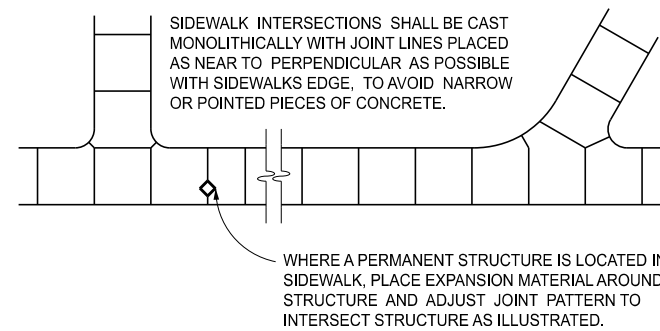
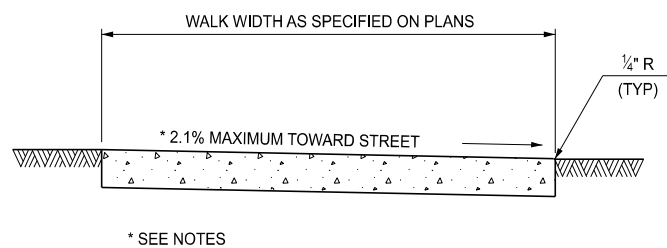


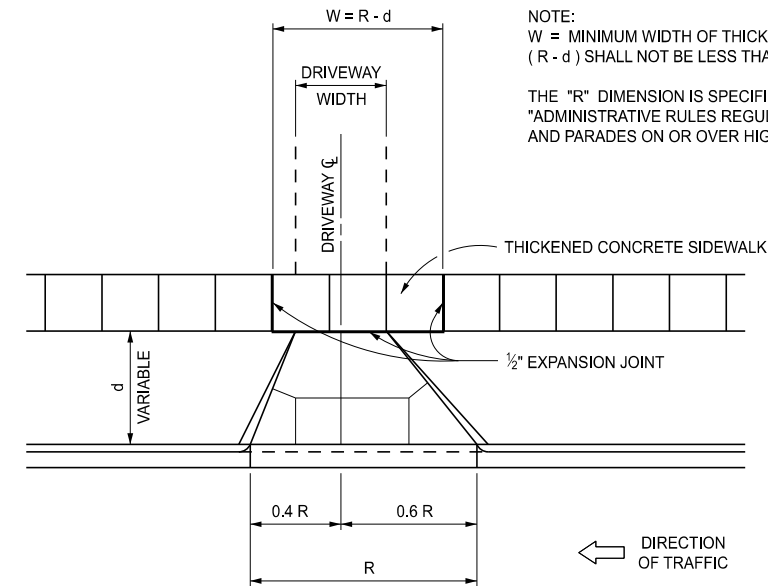
LOCATION OF JOINTS IN CONCRETE SIDEWALK



TYPICAL SIDEWALK JOINT LAYOUTS



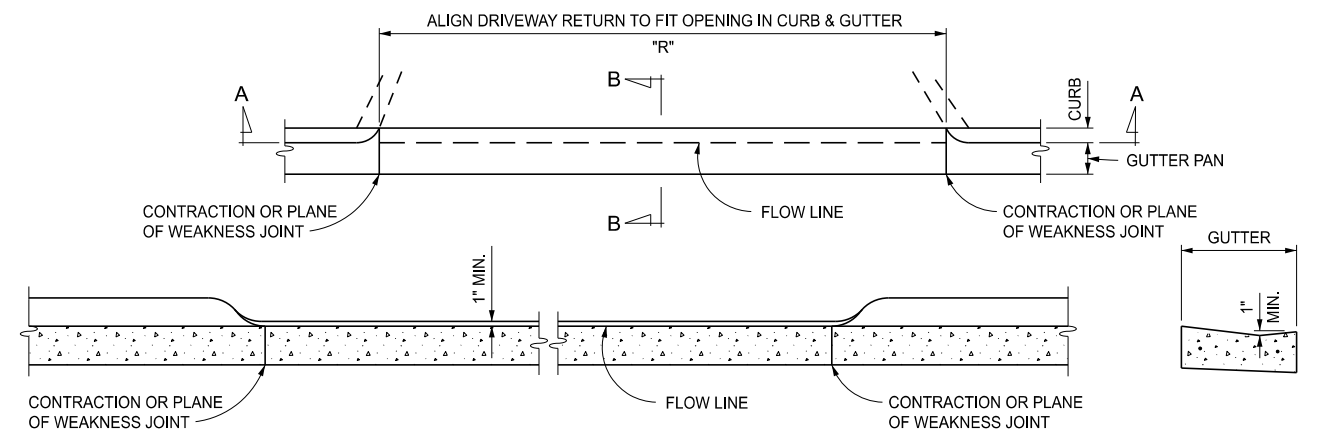
4" CONCRETE SIDEWALK



NOTE:
W = MINIMUM WIDTH OF THICKENED CONCRETE SIDEWALK.
(R - d) SHALL NOT BE LESS THAN DRIVEWAY WIDTH.

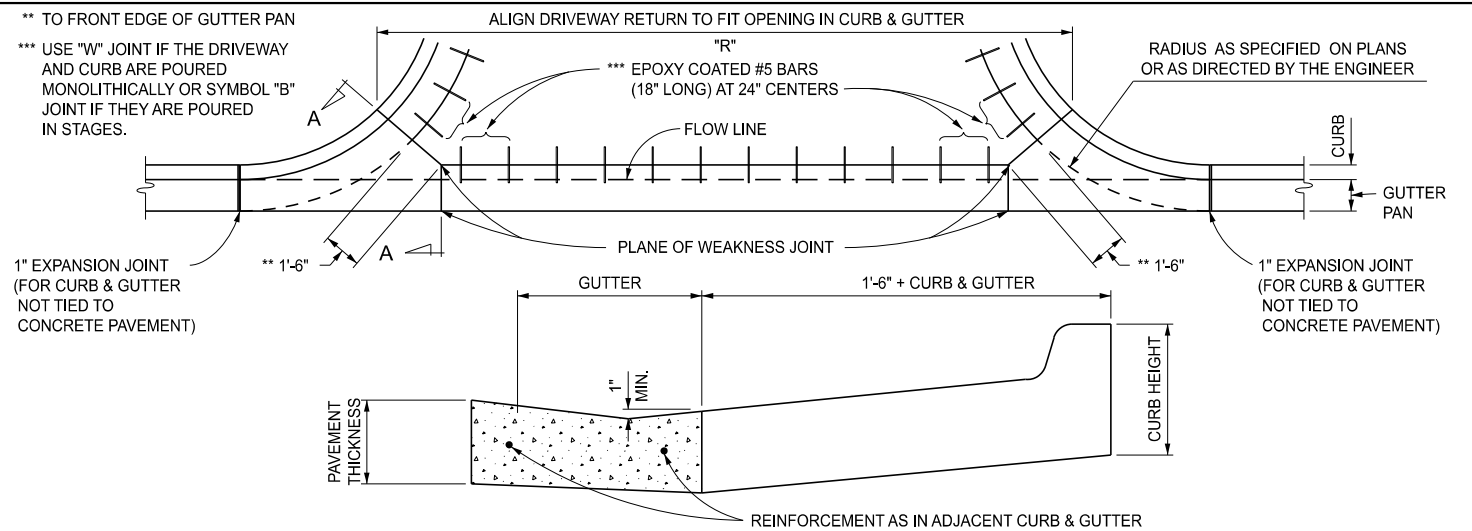
THE "R" DIMENSION IS SPECIFIED IN THE PUBLICATION
"ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS
AND PARADES ON OR OVER HIGHWAYS".

CONCRETE DRIVEWAY OPENING LAYOUT



SECTION A - A
CONCRETE DRIVEWAY OPENING, DETAIL L

SECTION B - B



NOTE:
FOR ROADWAYS WITH CONCRETE PAVEMENTS,
LONGITUDINAL LANE TIES WILL BE CONTINUOUS
THROUGH THE DRIVEWAY OPENING AND THE
SPACING OF THE #5 BARS IN CONCRETE DRIVEWAYS
SHALL BE ADJUSTED TO AVOID CONFLICT WITH THE
LONGITUDINAL LANE TIES.

SECTION A - A
CONCRETE DRIVEWAY OPENING, DETAIL M

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES



STANDARD PLAN FOR
DRIVEWAY OPENINGS & APPROACHES,
AND CONCRETE SIDEWALK

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT

DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

(SPECIAL DETAIL)
FHWA APPROVAL

11/08/2023
PLAN DATE

R-29-J

SHEET
1 OF 4



STANDARD PLAN FOR
DRIVEWAY OPENINGS & APPROACHES,
AND CONCRETE SIDEWALK

DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

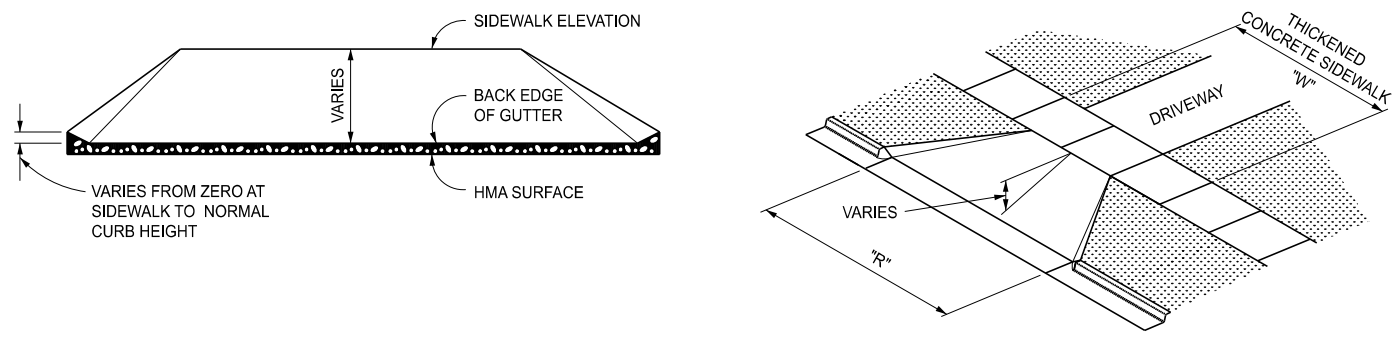
(SPECIAL DETAIL)
FHWA APPROVAL

11/08/2023
PLAN DATE

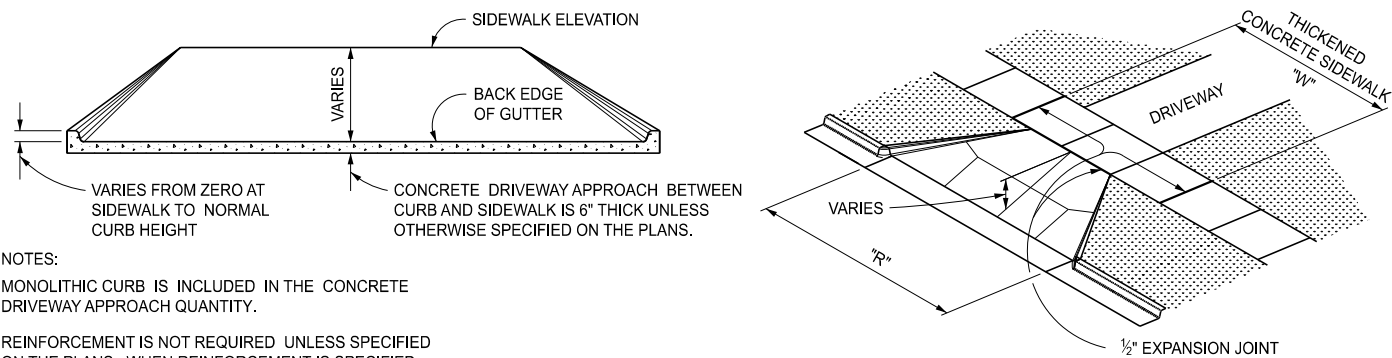
R-29-J

SHEET
2 OF 4

SECT

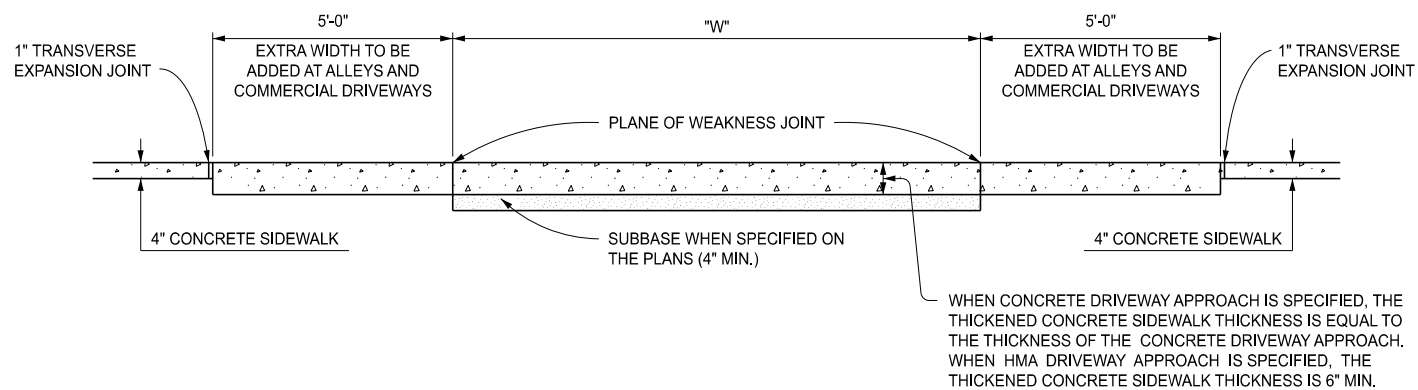


HMA DRIVEWAY APPROACH
(TO BE USED WITH DETAIL L)

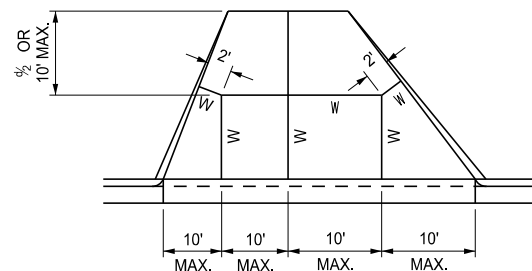


CONCRETE DRIVEWAY APPROACH
(TO BE USED WITH DETAIL L OR M)

NOTES:
MONOLITHIC CURB IS INCLUDED IN THE CONCRETE DRIVEWAY APPROACH QUANTITY.
REINFORCEMENT IS NOT REQUIRED UNLESS SPECIFIED ON THE PLANS. WHEN REINFORCEMENT IS SPECIFIED, SEE CHART ON THIS SHEET.



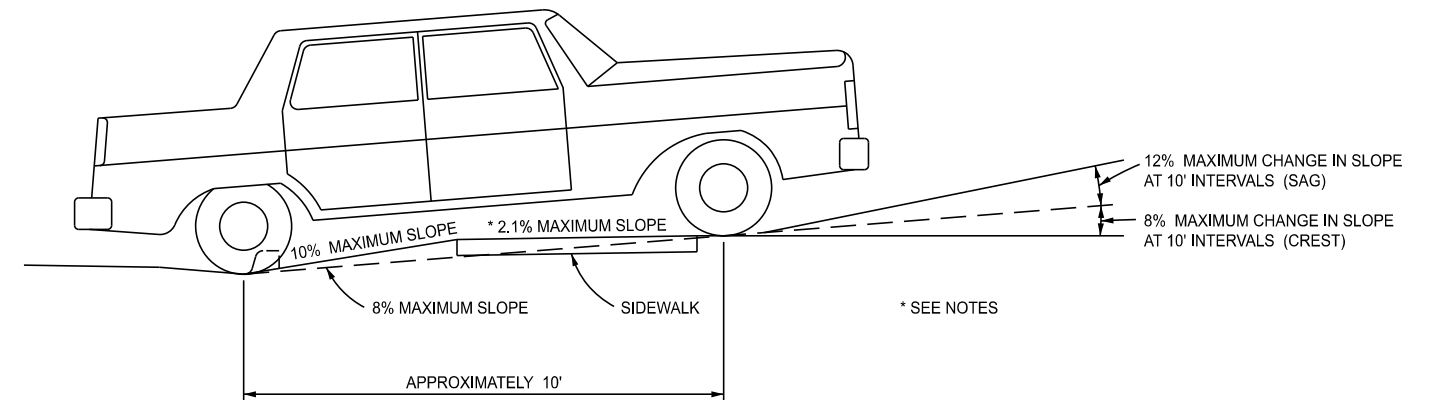
THICKENED CONCRETE SIDEWALK



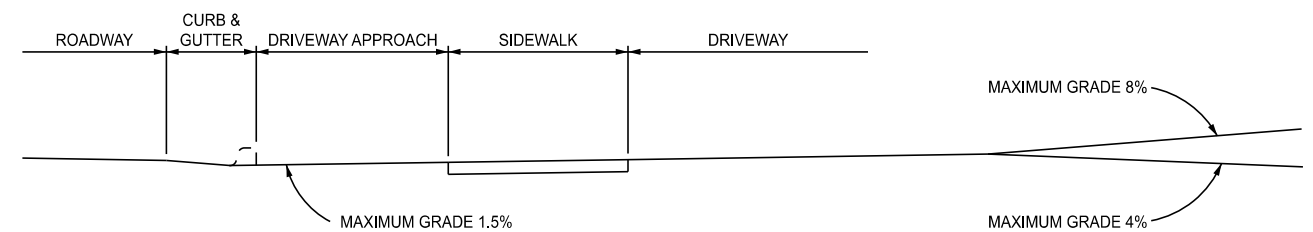
ADJUST DRIVEWAY JOINTS AS NEEDED TO ALIGN WITH ANY COINCIDING TRANSVERSE PAVEMENT JOINTS.
JOINT LAYOUT IS AS INDICATED OR AS DIRECTED BY THE ENGINEER.
INTERMEDIATE DRIVEWAY JOINT DETAILS

REINFORCEMENT FOR CONCRETE DRIVEWAYS		
CONCRETE DRIVEWAY THICKNESS	WIRE SIZE (6" x 6" MESH)	AVERAGE WEIGHT (LBS/100 SFT)
LESS THAN 8"	W1.4	21
	W2.9	42
8" OR GREATER	USE WIRE FABRIC REINFORCEMENT SPECIFIED ON STANDARD PLAN R-37-SERIES	

<p>DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE</p>	STANDARD PLAN FOR DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK		
	(SPECIAL DETAIL) FHWA APPROVAL	11/08/2023 PLAN DATE	R-29-J



LOW VOLUME COMMERCIAL OR RESIDENTIAL DRIVEWAY SLOPES



COMMERCIAL DRIVEWAY PROFILE FOR MAJOR TRAFFIC GENERATORS

NOTES:
FOR DRIVEWAY DESIGN REFER ALSO TO "ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS, AND PARADES ON OR OVER HIGHWAYS" AND GEOMETRIC DESIGN G-680-SERIES, COMMERCIAL DRIVEWAYS.
FOR CURB AND GUTTER DETAILS, SEE STANDARD PLAN R-30-SERIES.
TRANSVERSE SIDEWALK SLOPES ARE 2.1% MAXIMUM. IN ORDER TO MEET SITE CONDITIONS, IF THE TRANSVERSE SLOPE IS REQUIRED TO BE LESS THAN 1.5%, LONGITUDINAL DRAINAGE MUST BE PROVIDED.
WHEN SETTING GRADES FOR COMMERCIAL DRIVES, THE TYPES OF VEHICLES USING THE DRIVE SHOULD BE CONSIDERED.

<p>DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE</p>	STANDARD PLAN FOR DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK		
	(SPECIAL DETAIL) FHWA APPROVAL	11/08/2023 PLAN DATE	R-29-J