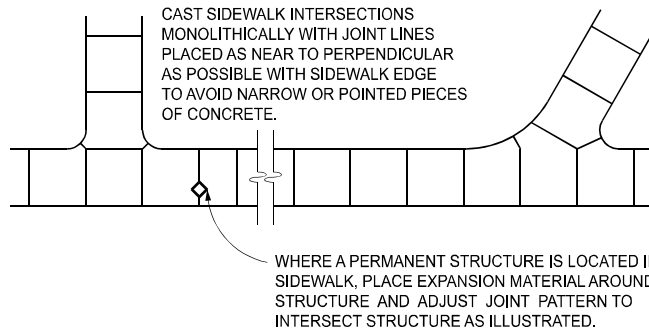
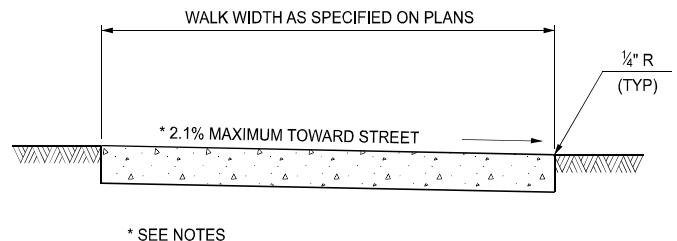


LOCATION OF JOINTS IN CONCRETE SIDEWALK



TYPICAL SIDEWALK JOINT LAYOUTS



4" CONCRETE SIDEWALK

APPROVED BY: E-SIGNED by JASON GUTTING on 2024-09-24 12:55:49 EDT  
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: E-SIGNED by Demetrius Parker on 2024-09-24 09:51:28 EDT  
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

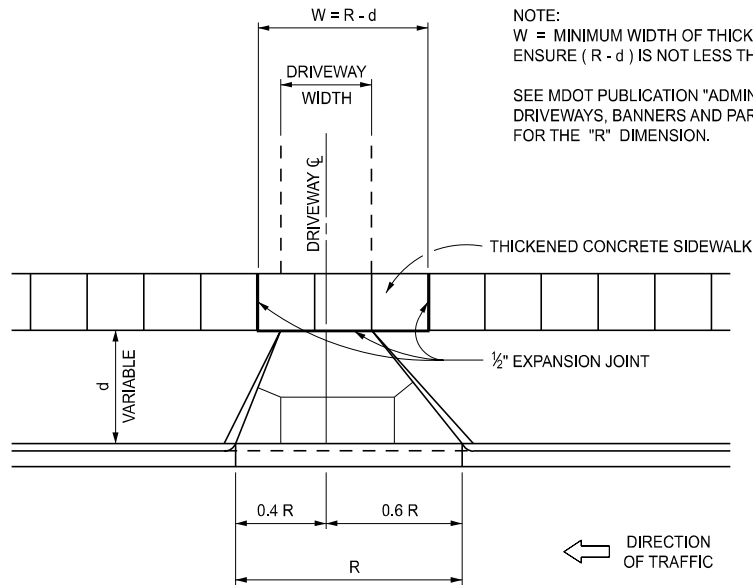
STANDARD PLAN FOR  
DRIVEWAY OPENINGS & APPROACHES,  
AND CONCRETE SIDEWALK

12/18/2024  
FHWA APPROVAL

06/12/2024  
PLAN DATE

R-29-J

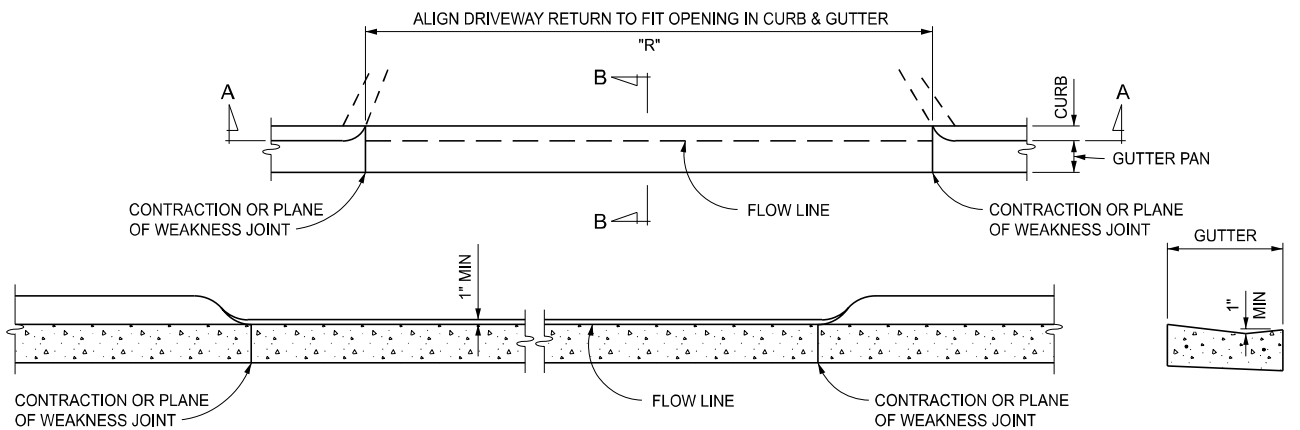
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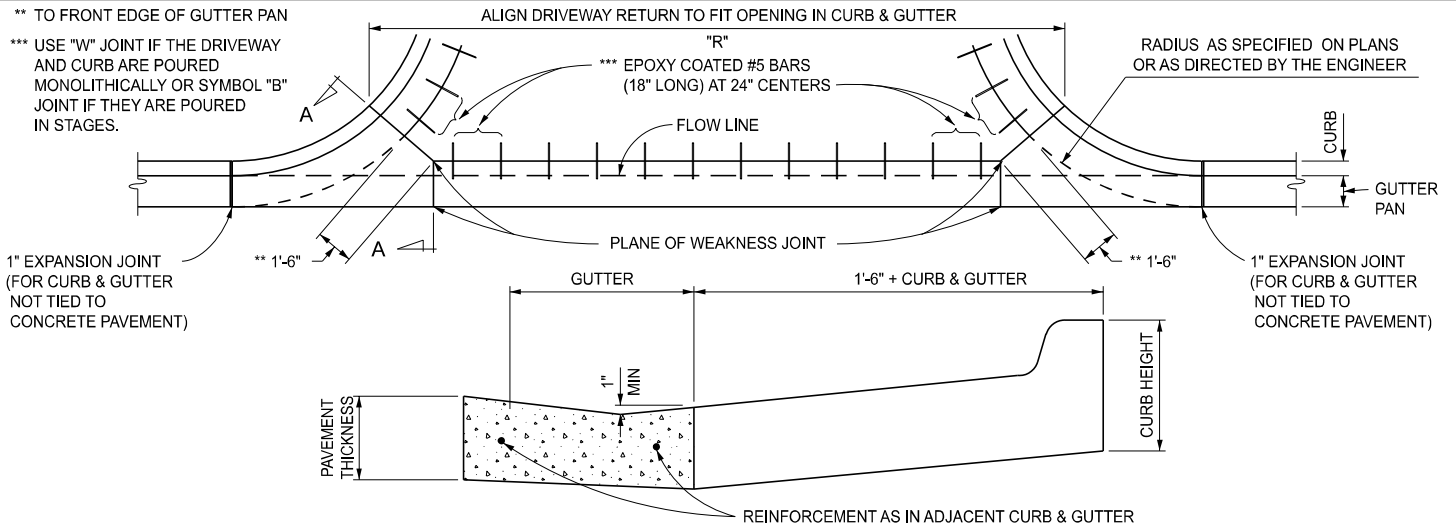
NOTE:  
 $W = R - d$   
 $W =$  MINIMUM WIDTH OF THICKENED CONCRETE SIDEWALK.  
 ENSURE  $(R - d)$  IS NOT LESS THAN DRIVEWAY WIDTH.

SEE MDOT PUBLICATION "ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS AND PARADES ON OR OVER HIGHWAYS" FOR THE "R" DIMENSION.

CONCRETE DRIVEWAY OPENING LAYOUT



SECTION A - A  
 SECTION B - B  
 CONCRETE DRIVEWAY OPENING, DETAIL L



SECTION A - A  
 CONCRETE DRIVEWAY OPENING, DETAIL M

NOTE:  
 ENSURE LONGITUDINAL LANE TIES ARE CONTINUOUS THROUGH THE DRIVEWAY OPENING IN ROADWAYS WITH CONCRETE PAVEMENTS AND ADJUST THE SPACING OF THE #5 BARS IN CONCRETE DRIVEWAYS TO AVOID CONFLICT WITH THE LONGITUDINAL LANE TIES.



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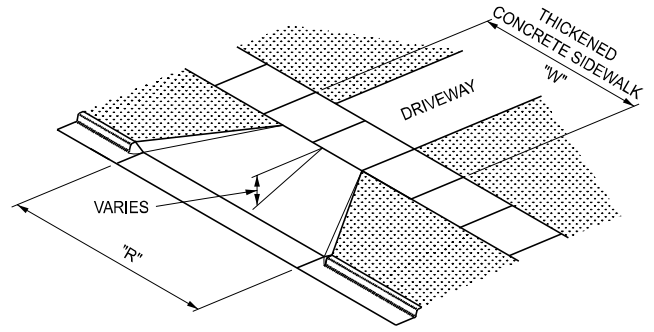
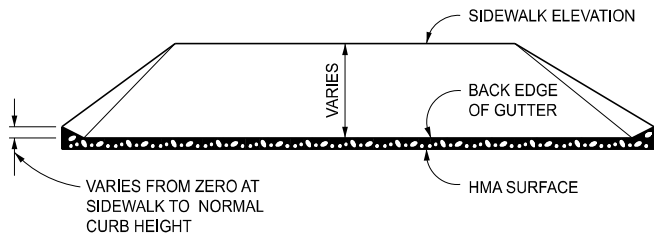
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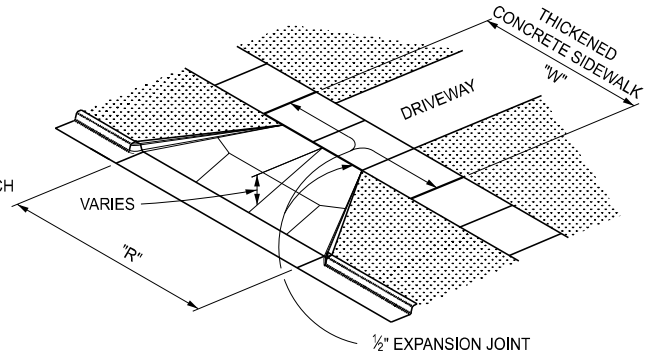
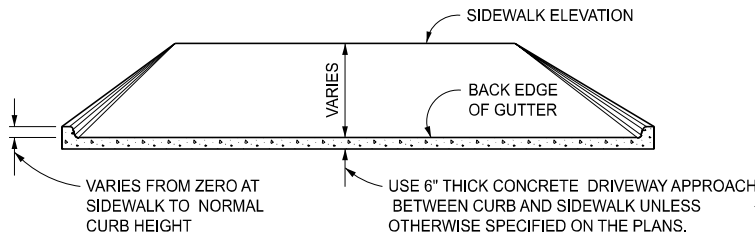
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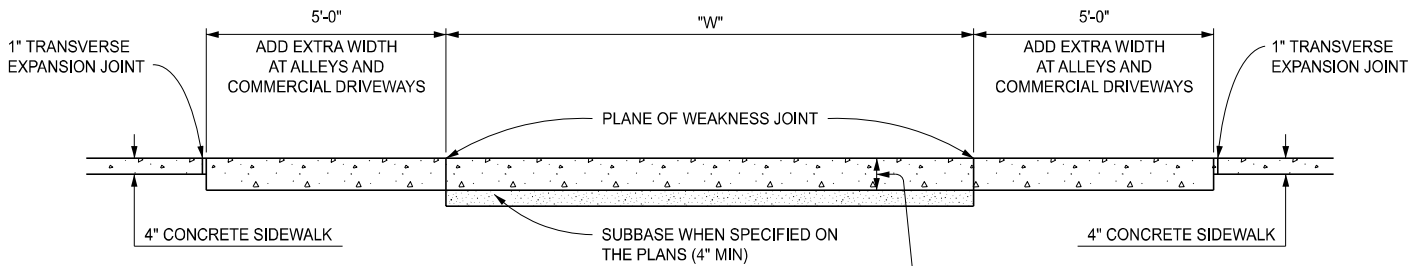


**HMA DRIVEWAY APPROACH**  
(TO BE USED WITH DETAIL L)



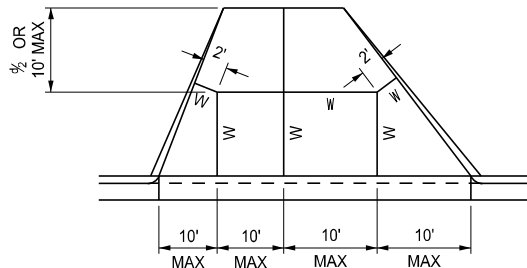
**CONCRETE DRIVEWAY APPROACH**  
(TO BE USED WITH DETAIL L OR M)

NOTES:  
INCLUDE MONOLITHIC CURB IN THE CONCRETE DRIVEWAY APPROACH QUANTITY.  
SEE CHART ON THIS SHEET WHEN REINFORCEMENT IS REQUIRED (SPECIFIED ON THE PLANS).



WHEN CONCRETE DRIVEWAY APPROACH IS SPECIFIED, MATCH THICKENED CONCRETE SIDEWALK THICKNESS TO THICKNESS OF CONCRETE DRIVEWAY APPROACH. WHEN HMA DRIVEWAY APPROACH IS SPECIFIED, USE 6" MINIMUM FOR THICKENED CONCRETE SIDEWALK THICKNESS.

**THICKENED CONCRETE SIDEWALK**



ADJUST DRIVEWAY JOINTS AS NEEDED TO ALIGN WITH ANY COINCIDING TRANSVERSE PAVEMENT JOINTS.

USE JOINT LAYOUT 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	



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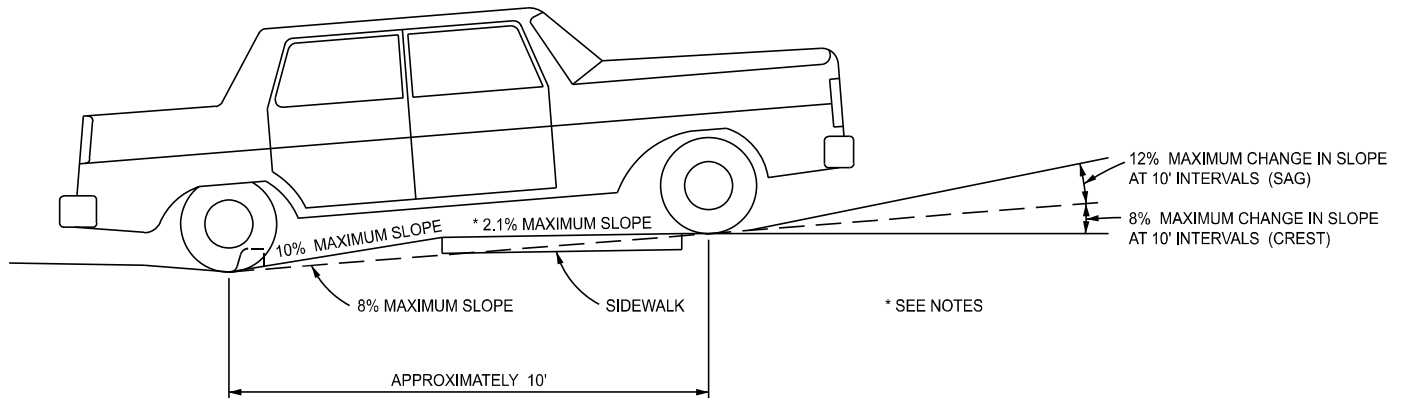
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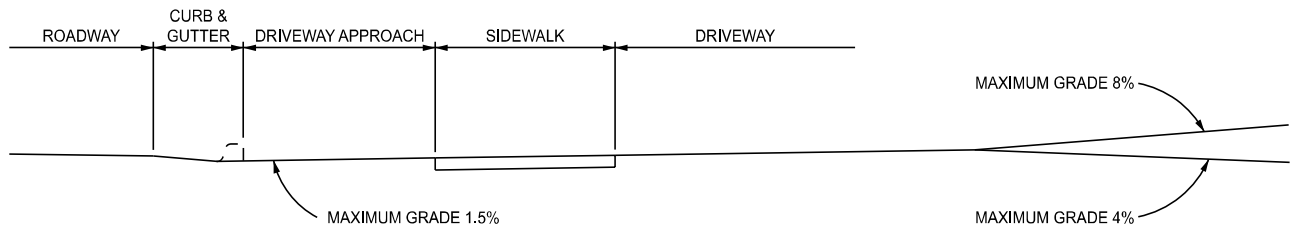
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LOW VOLUME COMMERCIAL OR RESIDENTIAL DRIVEWAY SLOPES



COMMERCIAL DRIVEWAY PROFILE FOR MAJOR TRAFFIC GENERATORS

NOTES:

SEE MDOT PUBLICATION "ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS, AND PARADES ON OR OVER HIGHWAYS" AND GEOMETRIC DESIGN GUIDE G-680-SERIES, "COMMERCIAL DRIVEWAYS" FOR DRIVEWAY DESIGN.

SEE STANDARD PLAN R-30-SERIES FOR CURB AND GUTTER DETAILS.

LIMIT TRANSVERSE SIDEWALK SLOPES TO 2.1% MAXIMUM. PROVIDE LONGITUDINAL DRAINAGE IF THE TRANSVERSE SLOPE IS REQUIRED TO BE LESS THAN 1.5%.

CONSIDER THE TYPES OF VEHICLES USING THE DRIVE WHEN SETTING GRADES FOR COMMERCIAL DRIVES.



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