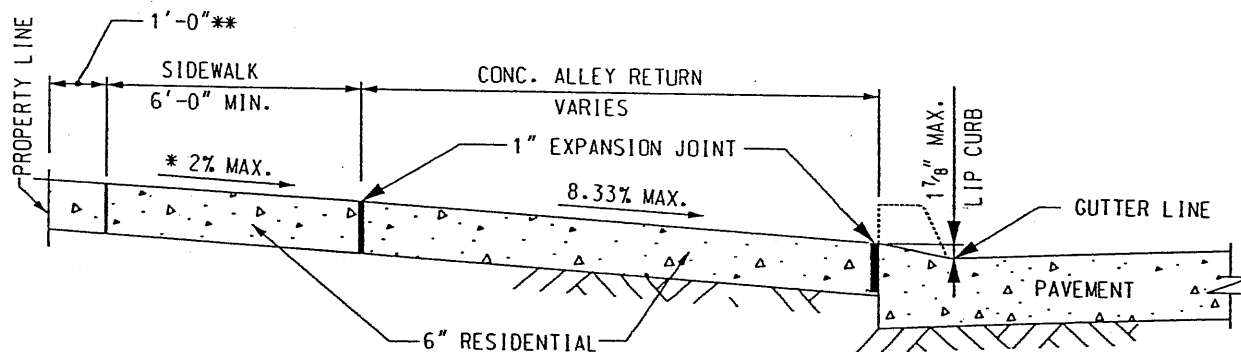


DETAIL OF CURB CUT OPENINGS
FOR RESIDENTIAL DRIVEWAY



SECTION B-B

NOTES:

IF ALLEY IS PAVED, CONSTRUCT RETURN WITH 1" EXPANSION JOINT ON PROPERTY LINE.

- (A) RADIUS TO BE 10' UNLESS OTHERWISE SHOWN ON PAVING PLAN.
 - (B) SIDEWALK FLAGS ABUTTING ALLEY SHALL BE 6" THICK. SIDEWALK SHALL BE REPLACED FOR A SMOOTH TRANSITION AND TO ATTAIN A CROSS SLOPE OF 2% MAX. OR AS DIRECTED BY THE ENGINEER.
 - (C) KEY JOINT OR "B" JOINT IF REINFORCED PAVEMENT.
- ALL DIMENSIONS ARE IN INCHES(") UNLESS OTHERWISE NOTED.

* SIDEWALK CROSS SLOPE SHALL BE 2% MAX. OR AS DIRECTED BY THE ENGINEER.

** THE SLOPE OF THE DRIVEWAY IN THE 1 FT. SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS.

REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

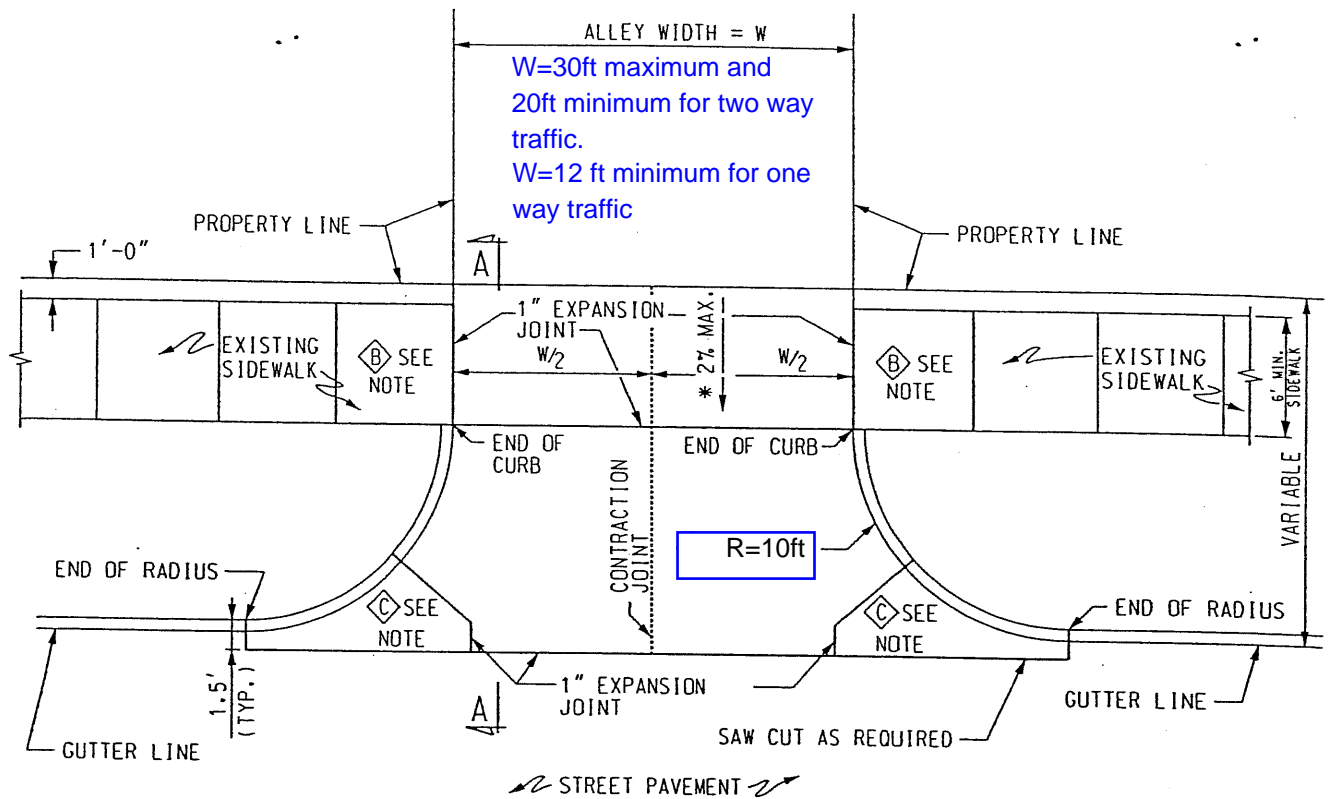
C	DESCRIPTION	Dwn	Chld	Appd	Date
B	* SIDEWALK CROSS SLOPE	KSM	J.J.		2/7/07
A	Chgd. THICKNESS NOTE	KSM	N.H.	W.T.	10/06

REVISIONS

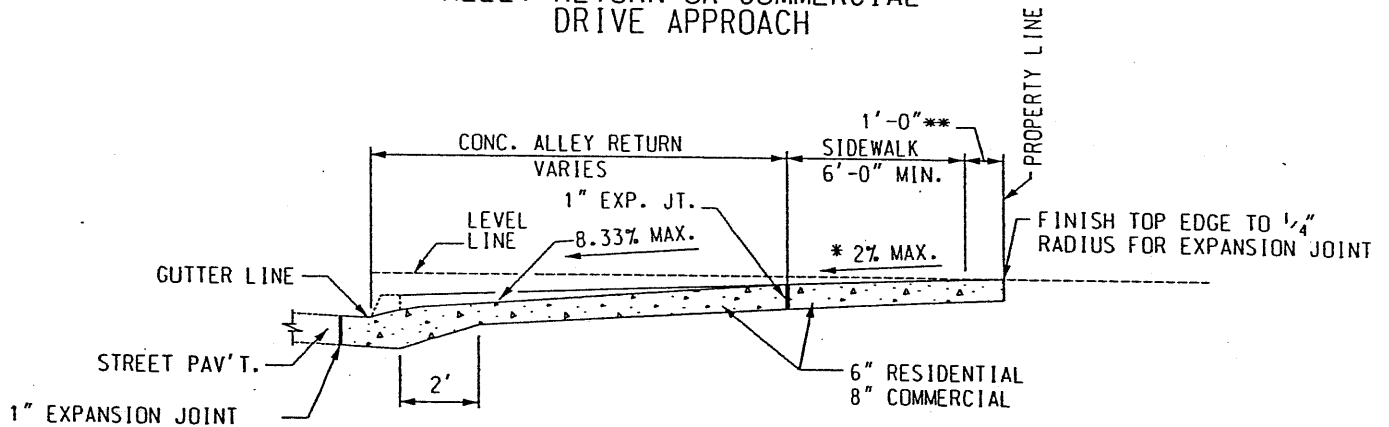
CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.

STANDARD PLAN FOR
DETAIL OF ALLEY RETURN
AND DRIVE APPROACH

03/07/98 PLAN DATE	DRAWING NO. 7	DETAIL STANDARD NO. C-4384	SHEET 2 OF 2
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ALLEY RETURN OR COMMERCIAL DRIVE APPROACH



SECTION A-A

C	DESCRIPTION	REVISIONS			
		Drawn	Chkd	Appd	Date
B	* SIDEWALK CROSS SLOPE	KSM	J.J.		2/1/07
A	METRIC TO ENGLISH UNIT SYSTEM	KSM	M.S.	N.H.	12/02



PREPARED BY
BUREAU OF STREETS
AND HIGHWAYS

K.S.M.
DRAWN BY:

J.J.
CHECKED BY:

APPROVED

Sam Patel
ENGINEER OF STREETS

HEAD ENGINEER
Jerry Jacob
CITY ENGINEER

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
DETAIL OF ALLEY RETURN
AND DRIVE APPROACH

03/07/98
PLAN DATE

DRAWING NO.
7

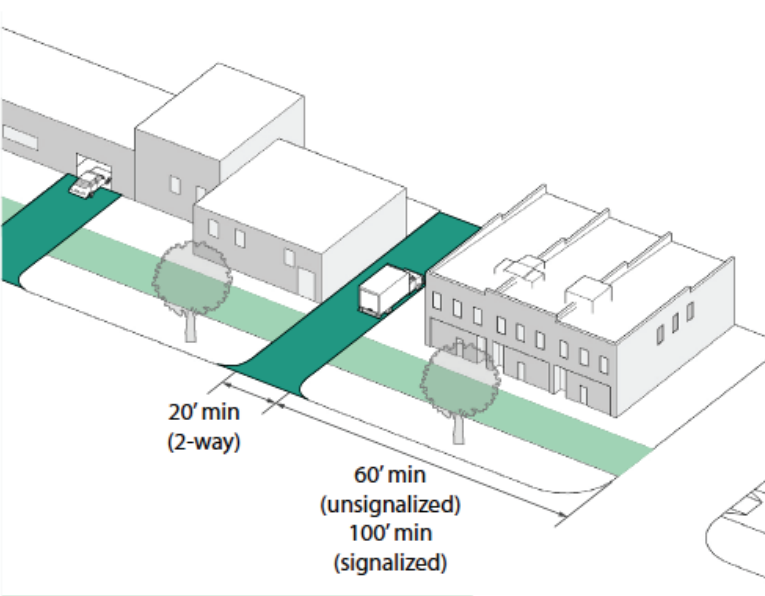
DETAIL STANDARD NO.
C-4384

SHEET
1 OF 2

Driveways

Driveways provide access to private property from public streets. Driveways should be designed to reduce conflict between vehicles and people on sidewalks and between vehicles and people on bikes, buses, and other vehicles in the roadway.

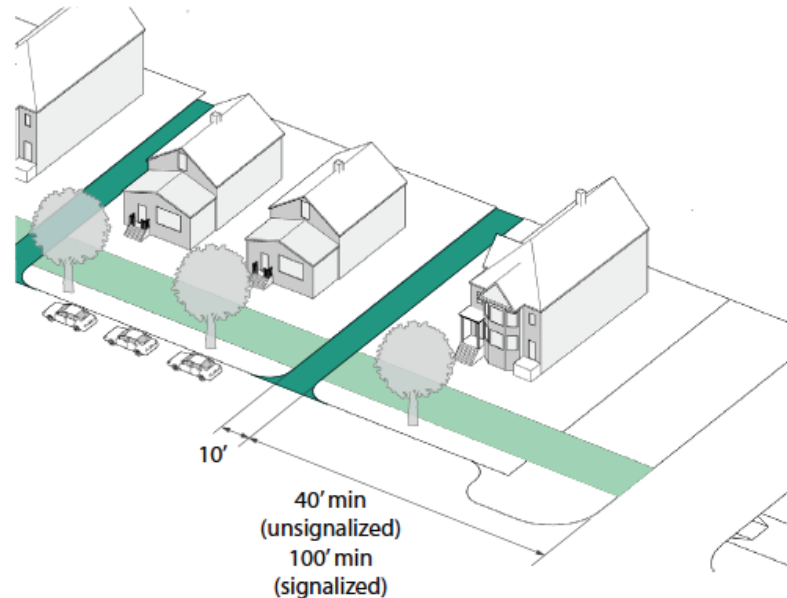
Driveway Accessibility & Visibility



20' min
(2-way)

60' min
(unsignalized)
100' min
(signalized)

Commercial Street



10'

40' min
(unsignalized)
100' min
(signalized)

Residential Street

Requirements

- Follow City ordinances for driveway quantity, installation, and permitting.
- Maintain the Pedestrian Zone as a level and continuous path across driveways.
- New or reconstructed commercial driveway openings shall not exceed 30' and shall not be less than 20' for a two-way drive nor less than 12' for a one-way drive. The radius of the driveway shall be maximum 10' unless justification is provided.
- Set driveways back 100' from railroad crossings right of way and signalized intersections, under high traffic conditions, or where two-way bikeways are present.
- Set back residential driveways at least 40' from unsignalized intersections and commercial driveways at least 60'.
- Where bikeways are present, locate parking 20' from driveways on commercial and high-volume streets and 5' from driveways on residential streets. Prevent parked cars

from blocking views of people on bikes with pavement markings and vertical delineators.

Considerations

- Only use driveways when alley or shared access points are not available; consolidate or minimize driveways on commercial and downtown street types.
- Consolidate driveways during reconstruction or retrofit projects where alternate access is available in coordination with owner.
- Minimize commercial driveway apron radii to 2' where a bikeway runs adjacent to sidewalk.
- Provide cautionary yield signs, convex mirrors, and/or audible warnings at driveways with limited sight distances and at high-use driveways, particularly downtown.
- Mark bike lanes at driveways according to City pavement marking standards.

Additional Resources

- [Detroit Driveway Approaches and Curb Cuts](#)