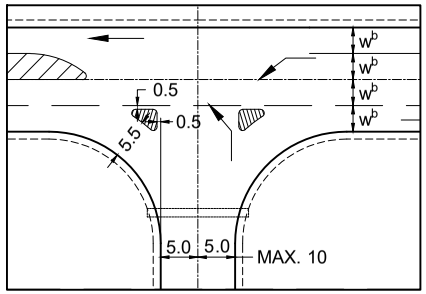
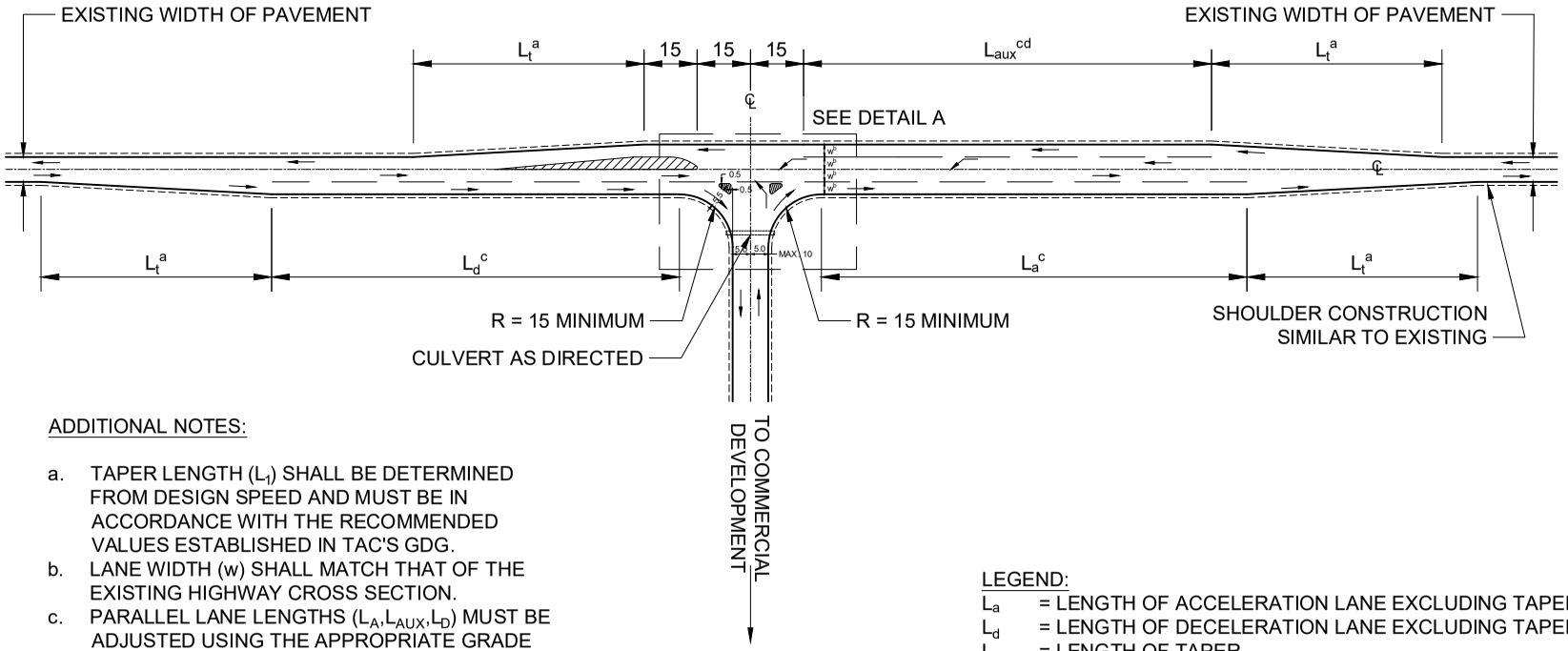
GENERAL NOTES:

1. ALL DESIGN CRITERIA SHALL BE DETERMINED FROM THE RECOMMENDED VALUES PUBLISHED IN THE LATEST VERSION OF TRANSPORTATION ASSOCIATION OF CANADA'S GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS (TAC GDG).
2. DESIGN SPEED SHALL BE DETERMINED AS 10 km/h + POSTED SPEED.
3. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.



DETAIL A



ADDITIONAL NOTES:

a. TAPER LENGTH (L_t) SHALL BE DETERMINED FROM DESIGN SPEED AND MUST BE IN ACCORDANCE WITH THE RECOMMENDED VALUES ESTABLISHED IN TAC'S GDG.
b. LANE WIDTH (w) SHALL MATCH THAT OF THE EXISTING HIGHWAY CROSS SECTION.
c. PARALLEL LANE LENGTHS (L_A,L_{AUX},L_D) MUST BE ADJUSTED USING THE APPROPRIATE GRADE FACTORS.
d. DESIGN VALUE FOR THE LEFT TURNING AUXILIARY LANE SHALL BE EXCLUSIVE OF THE TAPER AND BE TAKEN AS DECELERATION LENGTH + STORAGE LENGTH.

LEGEND:

L_a = LENGTH OF ACCELERATION LANE EXCLUDING TAPER
L_d = LENGTH OF DECELERATION LANE EXCLUDING TAPER
L_t = LENGTH OF TAPER
R = RADIUS
w = LANE WIDTH
L_{aux} = LENGTH OF LEFT TURN AUXILIARY LANE EXCLUDING TAPER

Newfoundland and Labrador

TRANSPORTATION AND INFRASTRUCTURE

HIGHWAY DESIGN DIVISION

ENTRANCE TO COMMERCIAL DEVELOPMENT

DRAWN BY: KYLE BENNETT | DATE: MAR 13, 2024 | NOT TO SCALE

MARCH 2024

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FORM 1171