

November 10, 2022

Dear Sir/Madam

RE: ARRANGEMENT OF TACTILE WALKING SURFACE INDICATORS (TWSI)

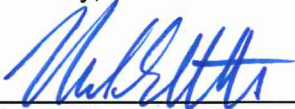
In discussions with the construction community, the City has been made aware of inconsistencies between Sections 8.10.2(b)/8.10.4(b)(ii) and the Standard Drawings R-RLI, R-II and CS-13 through CS-16 contained within the City of Nanaimo Manual of Engineering Standards and Specifications (MoESS). This letter provides clarification on the arrangement and the intended lengths of the TWSI installation.

Section 8.10.2(b) of the MOESS states that the TWSI is to “measure across the entire width of a hazard...” however, with the minimum width of 0.61 the cast in place TWSI’s come in standard lengths of 0.9m, 1.2m and 1.5m lengths.

The expectation is that the maximum amount of the hazard be covered by a combination of these lengths without physical modification (cutting). For example, a 2.0m wide letdown should have two 0.9m wide TWSI’s centered on the score lines. Please see attached mark up of CS-16 for reference.

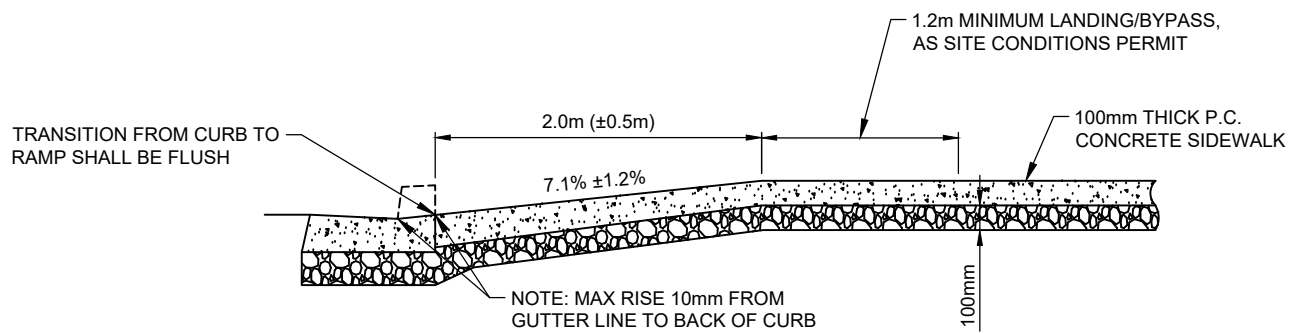
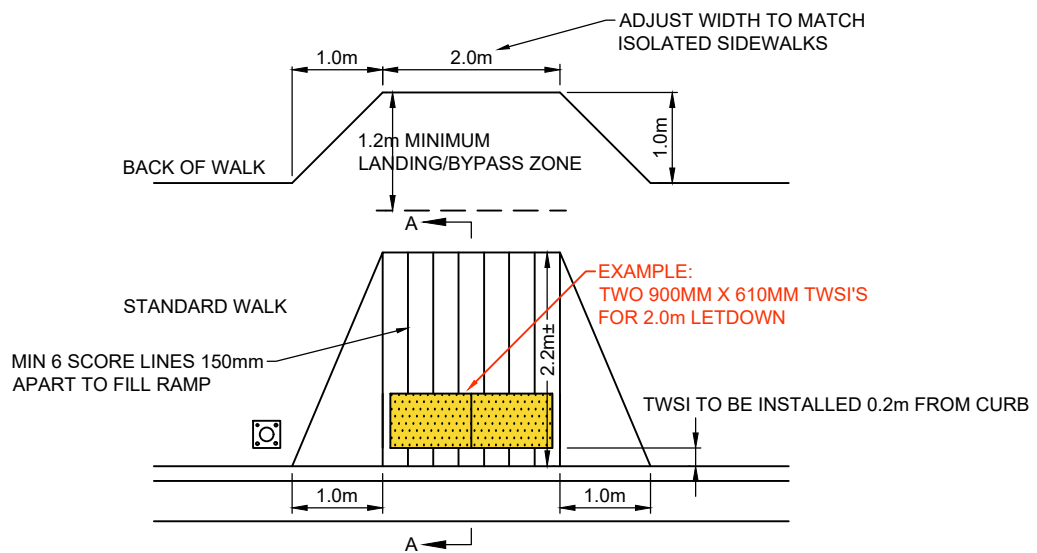
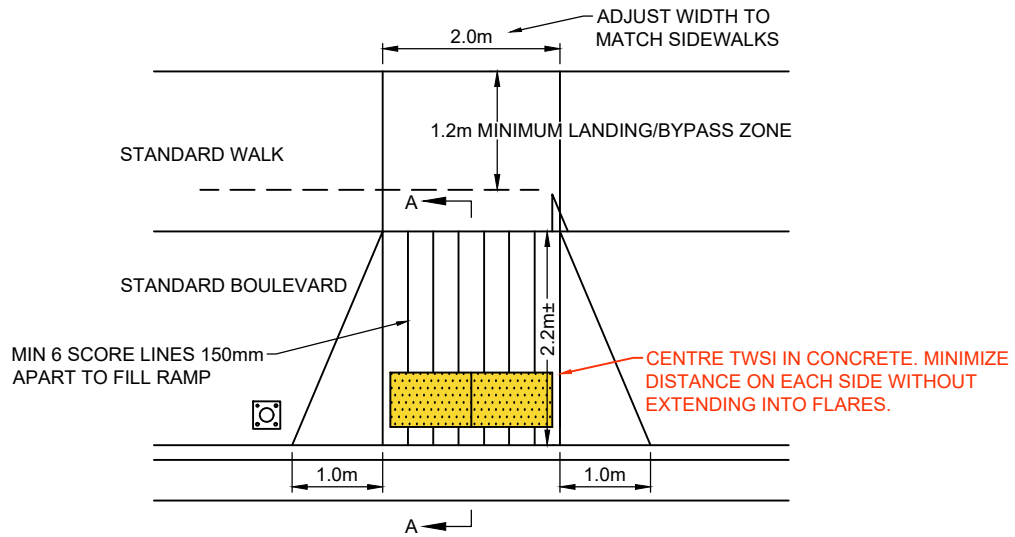
Going forward, the Design Engineer is to provide TWSI dimensions and to show the score lines on the project drawing set. Effective January 1st 2023, any TWSI installations that are undersized and do not conform to the clarification outlined above will be considered deficient and will require removal and reinstatement.

Yours truly,



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NOTES:

1. PEDESTRIAN SIDEWALK RAMP DIMENSIONS SHALL BE DETERMINED BY THE ENGINEER.
2. TOOLED LINES ARE TO BE CENTERED IN THE CROSSWALK AND ARE TO POINT IN DIRECTION OF THE RECEIVING CURB RAMP.
3. CATCH BASINS ARE NOT PERMITTED IN CURB LET DOWN AND SHOULD BE LOCATED UP STREAM OF CROSSWALK.
4. ALL TWSI's TO BE DESIGNED AND INSTALLED AS PER SECTION 8.
5. POLE LOCATIONS ARE DIAGRAMMATIC. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.

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11.10.2022



**CURB RAMPS
TYPE M - MIDBLOCK
REVISED FOR CLARIFICATION NOV 2022**

Scale:	NTS
Created:	OCT 2019
Rev Date:	MAY 2020
Dwg No:	CS-16