

HALDIMAND COUNTY
DESIGN CRITERIA

SECTION N
SIGNS

Revised 2015

N 1.00 PLAN

A separate plan shall be submitted to show the proposed location of all street name, regulatory, and warning signs. The plan shall be considered as part of the engineering drawings and must be approved by the Engineering Manager. For smaller developments, the General Plan of Services may be used for the purpose, provided the sign location and types can be clearly shown without cluttering the detail.

In all cases, required signs shall conform to the Ontario Traffic Manuals (OTM), Manual of Uniform Traffic Control Devices (MUTCD), and the Highway Traffic Act (HTA). The Manager of Engineering shall make all final decisions regarding signage issues.

N 2.00 TEMPORARY STREET NAME SIGNS

Temporary street name signs, consisting of a painted and legible sign on wooden backing, fastened securely to a post 2.6 metres above ground level (to bottom of sign) shall be erected at all street intersections within the subdivision immediately following base course asphalt placement. The signs shall be visible from both directions (i.e. double sided). The street name signs shall be maintained until such time as all boulevard grading has been completed to the satisfaction of the Manager of Engineering, and replaced with permanent signage.

Building Permits will not be released until the temporary signage is in place.

N 2.01 STOP SIGNS

Stop signs shall be erected at intersections where subdivision streets/roads connect to existing County roads immediately following base course asphalt placement. The stop sign shall conform to the requirements of OTM Book 5 (five). The stop signs shall be maintained until such time as all boulevard grading s has been completed to the satisfaction of the Manager of Engineering, and the road is assumed by the County.

N 3.00 STREET NAME SIGNS

N 3.01 LOCATION

Street name signs shall be placed at each intersection and shall identify each street at the intersection. Street name signs shall not be placed on top of Regulatory and/or Warning signs.

"T-Intersection" – The street name sign shall be placed on the left side of the street affected by the stop condition, in the quadrant not occupied by the stop sign.

"Two-Way Stop Condition" – The street name sign shall be placed on the northerly quadrant not occupied by a stop sign.

"Three-Way Stop Condition" - The street name sign shall be placed on the left side of the street, where it's given name ends.

"All-Way Stop Condition" – The street name sign shall be placed in the Northeast quadrant of the intersection.

N 3.02 TYPE

Street name signs shall be double sided and be reflectorized with high intensity material. All letters shall be white, upper case, Highway Gothic "C" on green reflectorized background.

All street name signs are to be made of utility grade 5052 half hard aluminium, alodine treated, with an Extruded Aluminium Gauge of 081.

N 3.03 ABBREVIATIONS

The following abbreviations are acceptable for street signing: Ave.(Avenue), Blvd.(Boulevard), Cr.(Crescent), Ct.(Court), Dr.(Drive), Pl.(Place), Rd.(Road), St.(Street), . The words designating North, South, East or West shall not be abbreviated.

N 3.04 DIMENSIONS AND LETTERING

All street name signs shall include "HALDIMAND COUNTY" located at the bottom centre of the sign. The lettering shall be uppercase Highway Gothic "C" and be 25mm in height.

Urban Street Signs shall be 150mm in height. The length shall be determined by the street name and the appropriate abbreviation

and/or designation. The lettering shall be uppercase Highway Gothic "C" and be 75mm in height.

Rural Street Signs shall be 200mm in height. The length shall be determined by the street name and the appropriate abbreviation and/or designation. The lettering shall be uppercase Highway Gothic "C" and be 100mm in height.

Range numbers and directional arrows which are required on the rural street name signs, shall be 37.5mm in height, and located at the appropriate bottom corner. The range numbers shall be identified on both sides of the sign in their appropriate locations.

N 3.05 INSTALLATION HARDWARE

"Urban" Street Name Signs

Location: Signs shall be placed within Municipal road allowance 30cm from property line.

(or)

Minimum 60cm from the back of sidewalk.

Post: Posts shall be 60mm (2 ³/₈") diameter galvanized steel.
Posts shall be embedded 1.0m (minimum).
The bottom 300mm of the post shall be encased in concrete with a diameter of 150mm.

Mounting Height: Installation shall be 2.6m measured from the pavement edge to the bottom of the sign.

Hardware: Round Top Caps for 60mm post.
A crisscross bracket, where required

"Rural" Street Name Signs

Location: Signs shall be placed within Municipal road allowance 30cm from property line. Where property lines include day-lighting allowance, the sign shall be placed 30cm from the point of intersection of the projected property lines.

Post: Posts shall be 100x100 (4" X 4") pressure treated wood. Posts shall be embedded 1.0m (minimum).

- Mounting Height: Installation shall be 2.6m measured from the pavement edge to the bottom of the sign.
- Hardware: Square Top Caps for 100x100 post.
A crisscross bracket, where required.

N 4.00 REGULATORY AND WARNING SIGNS

All Regulatory and Warning signs, shall conform to OTM, MUTCD and/or HTA requirements for type, size, sign materials, reflectivity and installation.

Where the subdivision incorporates a school area, all related signage shall utilize the fluorescent yellow/green sheeting (i.e. school zone, school crossing ahead and school crossing).

All regulatory and warning signs are to be made of utility grade 5052 half hard aluminium, alodine treated, with an Extruded Aluminium Gauge as follows:

- | | |
|-----------------------------|-------|
| For signs less than 60cm | - 064 |
| For signs 60cm to 120cm | - 081 |
| For signs 120cm and greater | - 125 |

N 4.01 INSTALLATION HARDWARE

Typical Urban Installation;

- U-Channel Flange
- Bolts – 2"[50mm?] with -9/16"[14mm?] hex head Galvanized, course thread
- Nuts – 9/16"[14mm?] hex head Galvanized, course thread
- Washers – USS flat, Galvanized.
- Post filler blocks
- The post shall be embedded 1.0m (minimum).

Typical Rural Installation;

- 100x100 Pressure Treated Post (signs up to 75cm)
- 150x150 Pressure Treated Post (signs 75cm and greater)
- Lag Bolts 2 ½"[64mm?] with 9/16"[14mm?] hex head Galvanized
- Washers – USS flat, Galvanized.
- The post shall be embedded 1.0m (minimum).

URBAN STREET SIGNAGE

Note *911 range number not required for urban areas unless special request



Sign blades must be Aluminum with green background and white lettering

Letter size 7 cm to 3" for street name in height

Letter size 2 cm to 3/4" for Haldimand County in height

Font specification is Highway Gothic C

RURAL STREET SIGNAGE



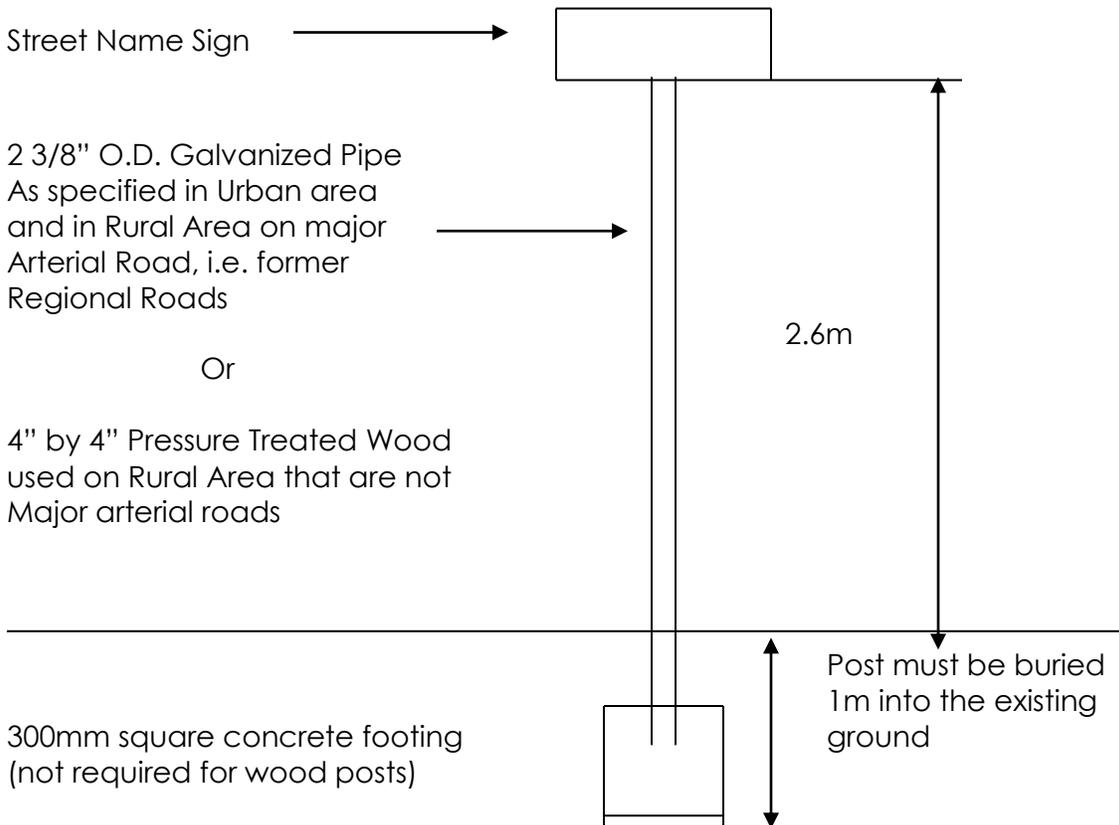
Sign blades must be Aluminum with green background and white lettering

Letter size for street name must be 10 cm or 4" in height

Letter size from Haldimand County and range numbers must be 3.5 cm or 1" 7/8 in height

Font specification is Highway Gothic C

**DESIGN SPECIFICATION FOR STREET SIGN ON ROUND GALVANIZED POST
NEW INSTALLATION**

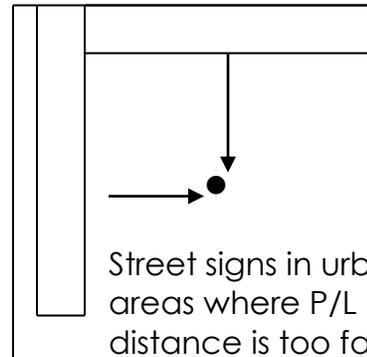
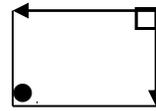


* Please note that all hardware required for sign post must be round top caps for round posts and square post caps for wood. If tee posts are to be used, the sign should be placed with T-post combination mounts. When two signs are required and one is to be placed on top of another then a criss cross bracket is required. Side mount Extruded sign mounting brackets shall be used.

SIGN LOCATION FOR RURAL AND URBAN INTERSECTIONS



Street sign in rural area
should be
offset 0.3m from P/L



Street signs in urban
areas where P/L
distance is too far for
0.3m offset for sight.
Then sign may be
placed (0.6m min) off
the back of sidewalk.