

# MUNICIPAL STANDARD FOR PRIVATE ROADS

Engineering Services

December 2017



**EAST HANTS**  
**We live it!**

# Table of Contents

Municipal Standard for Private Roads..... 2

Typical Section..... 3

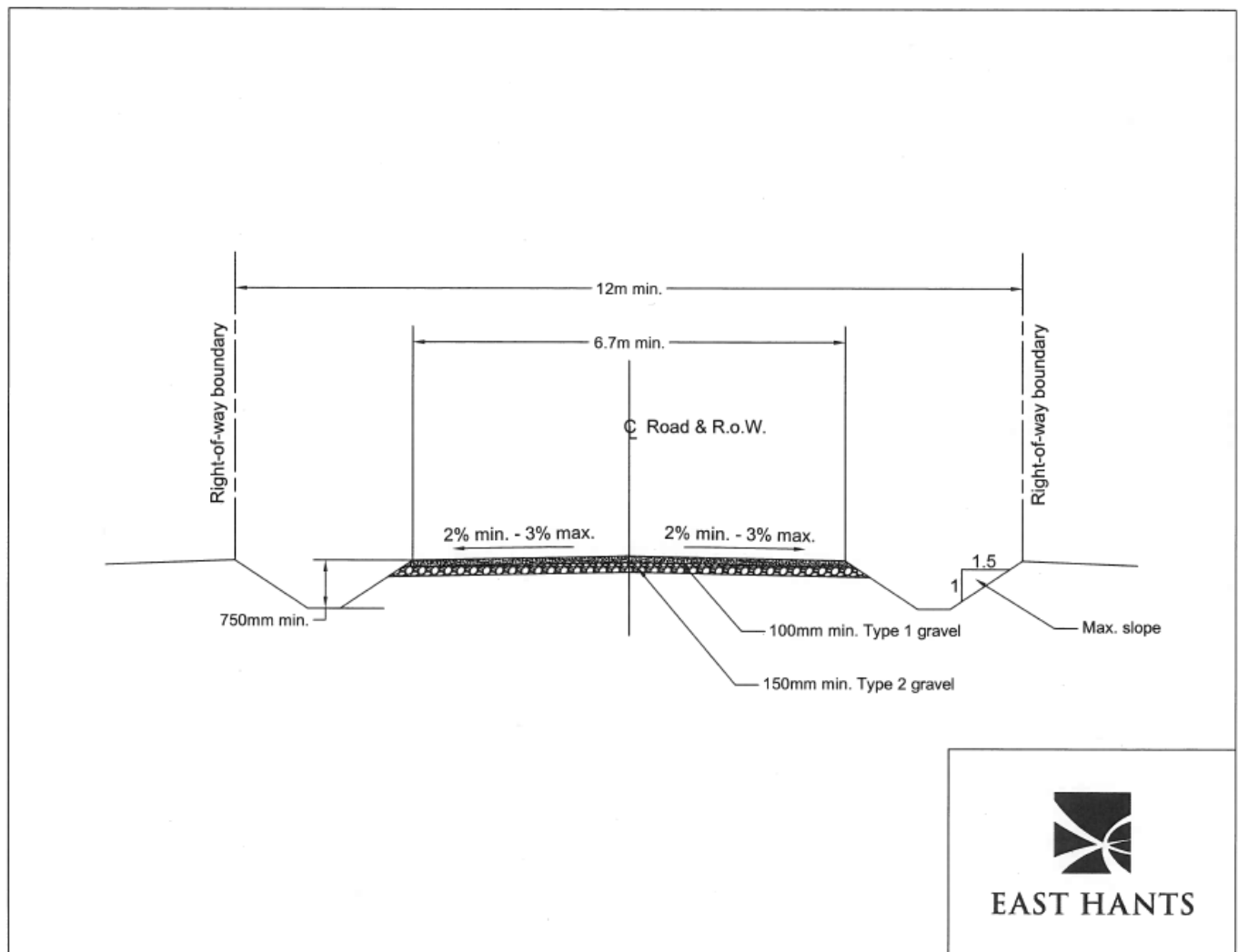
Turning Tee..... 4



## Municipal Standard for Private Roads

1. Unless specified otherwise herein, private roads shall be designed to comply with the requirements of the Geometric Design Guide for Canadian Roads (Transportation Association of Canada) for a design speed of 40 km/h.
2. This Standard is to be read in conjunction with the NSRBA/CENS Standard Specifications for Municipal Services.
3. A private road cannot be an extension of a public road.
4. The minimum road surface width shall be 6.7 m. The road surface shall be centered within the road right-of-way.
5. The minimum road grade shall be 0.5 %. The maximum road grade shall be 10%, except as follows:
  - 5.1. the maximum road grade within 15 m of the shoulder of an intersecting road, shall be 2%; and
  - 5.2. the maximum road grade within 15 m of a temporary or permanent end shall be 4%.
6. Culverts shall have a minimum diameter of 375 mm and minimum cover of 300 mm. Cross culverts shall be designed for the 1:100 year storm with no surcharge.
7. The minimum centerline curve radius shall be 50 m.
8. All roads shall have a minimum of 2% and a maximum of 3% cross slope to accommodate surface run-off.
9. The road surface shall consist of a minimum of 100 mm compacted depth of Granular Type 1 over a minimum of 150 mm compacted depth of Granular Type 2.
10. Ditches shall be a minimum of 750 mm in depth and side banks shall be sloped not steeper than 1.5 H to 1 V. Ditches with a longitudinal grade greater than 4% shall have riprap for erosion protection.
11. Roads shall have a minimum right-of-way width of 12 m; all slopes must fall within the right-of-way.
12. The right-of-way shall be cleared for its full width and the cuttings disposed of outside the right-of-way. In areas where the depth of embankment will be less than 2 m, the fill area shall be grubbed and the grubbing material disposed of outside the right-of-way. Embankments shall be constructed with Selected Backfill.
13. Permanent and temporary road ends shall include a turning tee per the attached sketch.
14. One '30 km/h' warning sign shall be installed and maintained by the owner(s) within 15m of an intersection with a public road.
15. All intersecting roads shall intersect at an angle of 70 to 90 degrees for a minimum distance of 30 m from the intersection measured from the respective centre lines.

# Typical Section



# Turning Tee

