

Minimum Road Standards for Residential Roadway Construction

1. The entire width of the right-of-way shall be cleared and grubbed to a maximum width of 66 feet. All trees and shrubs removed for construction shall be disposed of in accordance with applicable State and Local statutes and shall not be buried under the roadway.
2. Topsoil shall be removed from graded areas and stockpiled during road construction. Upon completion of grading, a minimum of three inches (compacted depth) of salvaged native topsoil meeting MnDOT Spec. No. 2105 or equal shall be reapplied to the disturbed slopes and ditch surfaces. These areas shall be seed with MnDOT seed mixture 50B meeting MnDOT Spec. No. 2575, applied at a rate of 125 lbs/acre, or as approved by the City.

Commercial Fertilizer, Analysis 22-0-10	200 lbs. Per acre
Mulch Material, Type 1	2 tons per acre
Mulch Material, Type 5 Hydro-mulch	2 tons per acre

Disc Anchoring is required unless Hydro-seeded
3. The top one-foot of the sub-grade shall be granular material compacted by suitable equipment to meet MnDOT Spec. No. 2105 for ordinary compaction method, and free of rocks greater than 3" in diameter and sticks greater than 1" in diameter and 6" in length. The Contractor shall be required to provide 3rd party density tests, as directed by the City.
4. In the event the native material is not of granular material, the Contractor shall excavate and replace the material with granular material. If the material is of muck, peat moss, or similar material, the Contractor shall provide soil borings, geo-textile fabric and granular material to obtain the required density and compaction.
5. Gravel surfacing shall be MnDOT Spec. No. 2211 Class 1 and shall be 4 inches thick after compaction.
6. Bituminous surfacing shall be MnDOT Spec. No. 2340 and shall be 2 inches thick after compaction for local roads and 2.5 inches thick after compaction for collector roads.
7. Shouldering shall be Class I aggregate and shall be constructed to a 2-foot width on collector roads and 3-foot width on local roads.
8. Cul-de-sacs and turn-arounds shall have a 75' radius (right-of-way), (57' surface) and a 2-foot aggregate shoulder.
9. The City shall inspect the sub-grade prior to graveling and shall inspect the graveling prior to placement of bituminous. Final inspection prior to the acceptance will be made after required corrections, bituminous surfacing and seeding are completed.
10. Centerline grade shall be a minimum of 0.5% but not greater than 10% on local roads and 8% on collector roads.
11. Along steep slopes, the Contractor shall construct bituminous gutter and provide other slope protection measures, as directed by the City.
12. Where steep slopes are used (steeper than 3:1), erosion control measures such as erosion control blanket, rock rip-rap with geo-textile filter, and alternative seeding methods, such as hydro-seeding, shall be implemented.
13. All work shall be completed consistent with MnDOT Specifications; Refer to "Standard Specifications for Construction" 2000 Edition, Minnesota Department of Transportation.

