

TOWNSHIP OF AVON

Roadway Specifications

1. Minimum roadbed width shall be 28 feet in residential areas with 66 feet deeded right of way. Industrial areas shall have a minimum roadbed of 36 feet, with 80 feet of deeded right of way.
2. The roadbed shall be graded and built up to a minimum of 2 feet above adjacent land on both sides with a minimum ditch depth of 3 feet on both sides of the roadway. Ditch slopes shall be a maximum of 4:1 (vertical : horizontal). Approach level shall be no more than 12 inches below center of public road. Any deviation shall be at the Town Board's discretion.
3. The subgrade material shall be covered with a minimum 8 inches compacted depth of Class 5 crushed aggregate base over the full roadbed width and a minimum of 3.5-inches, compacted depth, of bituminous pavement over the center 22 feet. For industrial areas the requirement shall be a minimum of 10 inches of Class 5 aggregate base over the full roadbed width and 4-inch, compacted depth, of bituminous pavement over the center 24 feet. Bituminous pavement mixtures shall be in accordance with MnDOT specification 2360.
4. After placement of the bituminous pavement the shoulders shall be built up with Class 2 aggregate, or material approved by the Township Roadway Supervisor, to the same thickness as the pavement.
5. The above designs are based on areas which have a good quality of subgrade granular material. Any other subgrade material will constitute a change in the roadway design thickness and potentially the addition of geotextile roadway materials and/or drain tile installation as recommended by the Township Engineer / Roadway Supervisor. The Township may require soil borings / tests prior to the final approval authorizing the construction of any road. Such soil tests are to consist of soil borings / test holes to a depth necessary to determine the various types of soil to be encountered before reaching a stable base. Such boring / test holes, when ordered by the Township Board, shall be drilled at the expense of the owner or developer and the information disclosed shall be furnished to the Township Board together with a copy of the map showing the location of each test hole in relation to the applicable right of way. Further, the information required shall include a report as to the various types of soil encountered and the depths, as well as the level of ground water if present. The number of test holes to be drilled and their location on the property which is proposed to be platted will be as directed by the Township Board or its authorized representative. Further, the owner may be required to furnish a report from a recognized engineering laboratory and licensed geotechnical engineer as to the use of the area for the road purported to be constructed, however, final approval of such road construction shall be subject to the Township Engineer's approval.
6. On all newly graded roadways the developer must submit a drainage map and erosion control plan showing the drainage areas and all proposed ponding areas and/or outlets. The Developer's engineer must also provide drainage calculations to show existing conditions and the proposed storm water design that meets or exceeds the Minnesota Pollution Control Agency storm water runoff requirements. This shall be approved by the Town Board before any construction begins. Inspection of the construction shall be performed by the Township Engineer at the Developers' cost in all phases of construction.

7. It will be the obligation of the Developer to maintain existing drainage courses in substantially the same manner that they existed prior to construction of the road. Further, the Developer must comply with all County, State, Agency, and other local regulations and permitting prior to the construction of said purported roads.