

PART IV. ROAD STANDARDS

RDC Adopted January 10, 1980 - Amendments made to this Part by Local Law # 1 of 2004

- Article A - Construction Specifications for All Roads
- Article B - Design Standards
- Article C - Driveways

Before any road can be accepted by the Town of Martinsburg, it must meet the following design and construction standards and be approved by the Highway Superintendent.

Article A – Construction Specifications for All Roads

1. Rough Grading

- a. The contractor shall remove all rock, earth and other materials, according to the plans, for the full width of the right-of-way, and shall properly dispose of this material.
Earth embankments shall be constructed to established lines and grades for the full width of the right-of-way at the locations shown on the plans. Embankment materials shall be: (a) natural soil, free from excessive moisture, frost, stumps, trees, roots, sod, mulch, marl, vegetable matter or other unsuitable materials; (b) obtained from approved pits; (c) well-graded, with a minimum silt content; (d) suitable for compaction in layers not exceeding eight (8) inches in thickness; and (e) remain stable when wet.
- b. PREPARATION OF SUBGRADE. The contractor shall prepare the subgrade to receive the pavement and drainage ways in conformity with the plans. Before the base material is placed upon the subgrade, it shall be shaped to line and grade compacted and free from hollows, mounds and wet or soft spots.
- c. MATERIALS TO BE USED. The source and acceptability of all roadbed material shall be subject to the approval of the Town and County Highway Superintendents and according to usual Town procedure. All cost for obtaining suitable material shall be borne by the contractor.
- d. PLACING OF LAYERS. Embankment material shall be placed in horizontal layers not greater than eight (8) inches of thickness after compaction. Each layer shall be tamped or rolled in succession. Each layer shall be tamped or rolled in succession. Heavy equipment shall not be operated over pipelines or culverts until manufacturers minimum requirements of backfill have been placed and properly compacted over the crown of the pipe or over the top of the culvert.

2. Sub-base, Base and Surface Courses

- a. The sub-base course shall consist of gravel and stones not to exceed four (4) inches in diameter to a depth of twelve (12) inches.
- b. The base course shall be constructed of gravel with stones not to exceed 1 inches in diameter to a depth of six (6) inches. If surface is to be sealed by bituminous pavement, the base course may be constructed of gravel with stones not to exceed three (3) inches in diameter.
- c. All base and sub-base material shall have no more than ten percent (10%) passing the #200 sieve.
- d. The surface course shall consist of one or more layers of bituminous pavement or a stabilized surface on the approved base courses.

3. Drainage

- a. Drainage ditches shall be constructed in conjunction with the new road, as specified on the plat, in such a way that all surface waters neither inundate any private property nor affect any existing roads.
- b. Grades of all road ditches shall be a minimum of three (3) feet below the center of the surface. Ditches shall be designed to have a minimum water carrying capacity equal to the peak runoff rate from the 5-year heavy rainfall for one day. Drainage culverts shall be adequately sized and located so as to maintain pre-construction surface drainage patterns.

4. Exceptions

In cases where the Town Board feels these standards are inappropriate, exceptions may be made if the interest of the community is served.

Article B – Design Standards

1. **General** - The following standards shall apply to new roads in subdivisions.
2. **Grade** - not greater than 10%, nor greater than 3% within fifty (50) feet of an intersection.
3. **Horizontal Curves** - shall have a minimum radius of one hundred fifty (150) feet measured from the center line.
4. **Right-of-way** - fifty (50) feet minimum.
5. **Width of pavement** - with the pavement twenty (20) feet minimum.
6. **Shoulders** - adequate shoulders shall be provided, but not less than five (5) feet.
7. **Line of sight** - vertical curves shall be such that at least a two hundred seventy-five (275)-foot line of sight exists measured at three (3) feet above the surface of the roadway.
8. **Tangents** - shall be at least one hundred (100) feet between reverse curves.
9. **Intersections** - shall join at a 90° angle for a distance of at least fifty (50) feet. Line of sight shall be provided to observe traffic on the intersecting road at least fifty (50) feet in advance of the intersection.

Article C – Driveways

All private road and driveway intersections with all roads shall provide maximum safety under the given location circumstances. Items to be considered in the construction of the drive include grade, drainage, line of sight and proper marking.