

## **TOWN OF NORTHFIELD**

### **RESOLUTION: CLASS 2 & 3 ROAD STANDARDS**

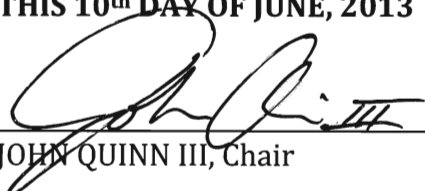
The Northfield Board of Town Selectmen hereby adopts a Class 2 & 3 Road Standards Policy as stipulated below:

1. The roadway must have a minimum of fifty foot (50') right-of-way with a thirty-five foot (35') radius cul-de-sac at the end. All must be in fee simple ownership. The Town Selectmen may request additional land for drainage, etc.
2. The roadway traveled surface shall be a minimum of twenty-one feet (21') wide. The Town Selectmen also may require pavement depending on location, use, grade, etc. Design and construction shall be consistent with AOT *Vermont Standard Specifications*, *Vermont State Standards Chap 6, Local Roads and Streets* and with AOT Standards A-76 and/or B-71.
3. All new or substantially reconstructed gravel roads will have at least a fifteen-inch (15") thick processed gravel and or stone subbase, with the top 12 inches (12") (minimum) being crushed gravel and/or three-quarter inch ( $\frac{3}{4}$ ") crushed ledge.
4. All gravel roadways will be graded so water does not remain on the road surface. This generally means having a crown of 2% ( $\frac{1}{4}$ " per ft) to promote sheeting of water.
5. Proper grading techniques for gravel roadways will be used to avoid creating a ridge or berm between the crown and the ditch. Any berm along the roadway shoulder that prevents the proper sheeting of water will be removed.
6. The proposed road must be accessible to the general public and serve a minimum of three (3) full-time residences or businesses.
7. All necessary safety requirements, such as guardrails, signage, etc. shall be in place and shall be consistent with Vermont State Standards and the Manual for Uniform Traffic Control Devices.
8. When new road or culvert construction creates side slopes steeper than 1 on 3, guardrail will be installed according to AASHTO Roadside Design Guide.
9. Soil exposed during ditch and slope construction or maintenance will be treated immediately following the operation. The following are minimum erosion control measures:
  - a. Seed and mulch ditches and slopes with grades less than three percent (3%). Place biodegradable matting and seed on ditches and slopes with grades between three percent (3%) and five percent (5%). Stone line all ditches with grades greater than five percent (5%).
  - b. Whenever feasible, create parabolic (wide "U" shaped) ditches during construction and cleaning of ditches rather than narrow "V" shaped ditches. Ditches with gradual side slopes and a wide bottom are preferred.


- c. Parabolic ditch shaping is required if it is part of a Town Highway Class 2 Roadway Project unless the roadway geometry or unique physical conditions prevent parabolic ditch shaping.
- 10. All new driveway culverts will have a minimum diameter of 15 inches (15").
- 11. All new roadway culverts will have a minimum diameter of 18 inches (18").
- 12. Any culvert greater than or equal to 36 inches (36") in diameter will be designed according to the latest VTrans Hydraulics Manual. End treatment (inlet or outlet) will also be evaluated in accordance with this manual.
- 13. All bridges (structures with spans greater than six feet [6']) will have waterway openings designed in accordance to the latest VTrans Hydraulics Manual.
- 14. When installing, replacing or maintain culverts, use appropriate techniques such as headwalls and wingwalls, where there is erosion or undermining or where it may occur.
- 15. Install a splash pad or plunge pool at the outlet of drainage culverts where there is erosion or where erosion may occur.
- 16. The Town Selectmen may request a design from a professional engineer registered in the State of Vermont.
- 17. A survey of the entire parcel, including the roadway, shall be furnished and a Mylar suitable for recording with the Town Clerk.
- 18. The Town Selectmen, at their discretion, may request a bond for up to one (1) year after acceptance of the road.
- 19. All work shall have a one (1) year warranty, commencing at the acceptance by the Town.
- 20. The Town Selectmen may require sidewalks, depending on the location and size of the project.
- 21. The State of Vermont Agency of Transportation specification for materials and construction shall be used. All paving and construction shall conform to AOT Standards A-76, B-71, and Vermont Agency of Transportation *Pavement Design Guide Low Volume Pavement Design Procedures*. The minimum standard for pavement shall be a total of four inches (4"): 2½" of in plant mixed base and 1½" bituminous concrete wear coat.
- 22. Maximum grade shall not exceed ten percent (10%).
- 23. Written driveway permits shall be required for each access from the proposed road. Proposed drives should be shown on the base map.
- 24. All required permits shall be approved by management, furnished to the Town Selectmen, and filed in the Town Clerk's office. Upon completion, a written confirmation of properly performed, as permitted, work shall be provided to the Town Selectmen.

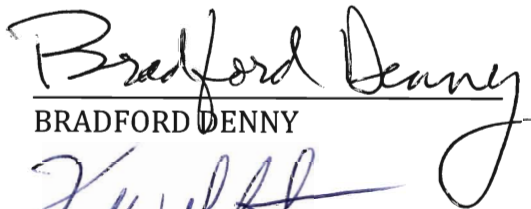
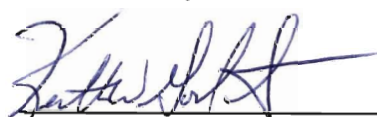
25. All utilities, drainage, etc. shall be outside of the traveled road surface (except for necessary crossings).
26. The base map shall show all proposed and existing utilities.
27. Bridges or culverts with a span of three feet (3') or more shall be designed by a professional engineer registered in the State of Vermont.
28. If accepted, the process shall follow Vermont State Statutes Title 19. Chapter 7.
29. Any required improvements, materials, design engineering, easements, etc. shall be completed at no cost to the Town.
30. The Town will have a process in place to review all drive accesses and development roads. The review process may be formal (permit via 19 V.S.A. Section 1111) or informal (documented on-site visit). VTrans A-76 Standards for Town & Development Roads and B-71 Standards for Residential and Commercial Drives may be referenced.
31. Town Highway maintenance crews will collectively attend a minimum total of six (6) hours of training per year on best road management practices. The Town will keep documentation of their attendance.

**DATED AT NORTHFIELD, VERMONT  
THIS 10<sup>th</sup> DAY OF JUNE, 2013**

  
JOHN QUINN III, Chair

  
MATTHEW GADBOIS, Vice-Chair

  
CHRIS BRADLEY

  
BRADFORD DENNY  
  
KENNETH W. GOSLANT

**Town of Northfield, Board of Selectmen**

