

- The most current editions of The North Carolina Department of Transportation Standard Specifications for Roads and Structures and The North Carolina Department of Transportation Roadway Standard Drawings will govern all roadway construction unless otherwise specified herein.
- Street catch basins shall be NCDOT 840.01 with type E grate as appropriate (NCDOT 840.03). Solid wall, precast concrete structures conforming to NCDOT 840.45 are acceptable. No waffle walls shall be allowed. All pipe openings in precast structures must be cast or cored. Unless the structure is stamped by the manufacturer as NCDOT approved, shop drawings must be submitted for approval prior to their installation.
- Catch basins for curb and gutter must conform to NCDOT 840.01 or 840.02. Frames, Grates and Hoods shall conform to NCDOT 840.03.
- Frames, grates and hoods shall be of cast iron and shall be of a design and weight which is recommended by the manufacturer as being adequate for HS-20 loadings. The number 840.03 and the name of the manufacturer must be permanently cast on the frame and on the grate.
- No catch basins will be allowed in driveways.
- All subgrade under paved areas, curb and gutter, sidewalk, and roadway shoulders shall be compacted to at least 95% of the maximum dry density as determined by AASHTO T99 and Section 500, "Fine Grading Subgrade, Shoulders, and Ditches," of the NCDOT Standard Specifications for Roads and Structures. The final 12" of subgrade shall be compacted to 100%. Density tests by an independent testing lab are to be made as directed by the Town Inspector at no expense to the Town. The subgrade shall be proof rolled by an overloaded tandem dump truck provided by the developer/owner and witnessed by the Town Inspector prior to placement of stone or asphalt base. The developer/owner shall notify the Department at least 48-hours before the proof roll to schedule an appointment with the Town Inspector. If rain occurs between the proof roll and prior to base placement, another proof roll may be required by the Town Inspector. It is the responsibility of the Developer to make corrections to the subgrade when sections of the roadway fail the proof roll test. The proof roll shall provide a non-yielding surface (pumping, rutting, saturated soil, etc. are unacceptable).
- All stone base shall be compacted to 100% of the dry unit weight as determined by AASHTO T180 and Section 520, "Aggregate Base Course," of the NCDOT Standard Specifications for Roads and Structures. The unit weight and optimum moisture content will be determined by proctor tests performed by an independent laboratory at the developer/owner's expense. Density tests are to be performed and made available to the Inspector for review. Moisture content must be no more than 50% of the optimum moisture content prior to paving. The stone base shall also be proof rolled and witnessed by the Inspector prior to paving. The proof roll shall provide a non-yielding surface (pumping, rutting, saturated stone, etc. are unacceptable). Stone from different quarries shall not be mixed.
- Paving contractors and subcontractors shall be certified by NCDOT on all projects.
- Asphalt must be tested by core sampling or nuclear gauge method in accordance with Article 609-5 D, "Field Compaction Quality Control," of the NCDOT Standard Specifications for Roads and Structures, latest edition.



TOWN OF MOORESVILLE

STANDARD DETAIL

GENERAL NOTES
ROADWAY/DRAINAGE
 Required On All Plans
 If Applicable

January 2015
 Revision 1

NTS

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