

materials). See Section VIII of this document for a sample easement form and Proof of Payment documents.

C. ROADWAY

1. The most current editions of the North Carolina Department of Transportation Standard Specifications for Roads and Structures, the North Carolina Department of Transportation Roadway Standard Drawings and the City of Winston-Salem Infrastructure Development Standards will govern all roadway construction unless otherwise specified herein.
2. All storm sewer pipe shall be reinforced concrete pipe (RCP) (15” min. diameter) unless otherwise noted. RCP shall be minimum Class III and joints must have O-rings or flexible joint material. Metal pipe shall be corrugated aluminum pipe (CAP). CAP must have Hugger band connectors with flat gaskets. AASHTO M197 and/or ASTM B744 must be clearly marked on all CAP.
3. All drainage structures must meet NCDOT standards. Solid wall, precast concrete structures conforming to NCDOT 840.45 are acceptable except waffle walled structures which are not acceptable for new construction. All pipe openings in precast structures must be cast or cored. Catch basins for curb and gutter must conform to NCDOT 840.01 or 840.02 and NCDOT 840.03. NCDOT approved precast concrete manholes are accepted as substitutes for catch basins. Drainage structures must be within two (2) courses of brick of the final grade before the hood, frame and grate is set.
4. Frames, grates and hoods shall be manufactured by one of the following:
 - a) East Jordan Iron Works, Inc. – Catalog Numbers V4066-1 (E Grate); V4066-3 (F Grate); V4066-4 (G Grate)
 - b) U.S. Foundry – Catalog Numbers 5181-6420 (E Grate); 5181-6425 (F Grate); 5181-6430 (G Grate)

The number 840.03 and the name of the manufacturer must be permanently cast on the frame and on the grate.

5. Double catch basins shall be two separate basins with RCP between the basins. The RCP shall be greater than or equal to the size of the outlet pipe. Minimum distance between the catch basins shall be 18” (outside wall to outside wall). ABC stone or other approved suitable material must be placed between the basins and compacted per City standards.