

## **GENERAL NOTES FOR CONCRETE DRIVEWAY ENTRANCE**

1. Before doing any construction, grading, curb cutting, or removing existing curbing within the street right-of-way, the contractor must have a driveway construction permit issued by the City Engineer as specified in the City of Gastonia Code of Ordinances, Section 7-14, 7-15, and 7-16.
2. The contractor will be required to remove the existing curb down to the bottom of the curb and gutter section, 12 inches more or less, as shown in the Standard Detail, under Links “Specifications and Details.”
3. Sawing the existing curb section will be permitted, provided the new section is not within two feet of an existing construction or expansion joint. Otherwise, the curb will be removed back to the existing joint.
4. If the gutter section is damaged or cracked while removing the curb, the existing gutter section must be removed and repoured with the new driveway section.
5. If the optional driveway entrance is constructed, the entire curb and gutter section must be removed, or a minimum three-foot apron must be constructed behind the face of the curb, as shown on the standard driveway entrance.
6. The contractor shall sufficiently compact all subgrade before pouring driveway and gutter section.
7. Where the driveway is to be continued across the right-of-way line onto private property, the contractor shall be required to install ½” expansion joint material the entire width of the drive as shown on the “STANDARD DRIVEWAY ENTRANCE DRAWINGS”.
8. The contractor shall notify the City and request an inspection of forms and subgrade prior to any concrete being placed on the ground at 704-836-0048.
9. Where there are existing sidewalks the contractor shall be required to remove all existing four inch (4”) sidewalk within the driveway strip and one section immediately each side of the driveway strip. The contractor shall replace the sidewalk within the driveway strip with six inches (6”) of concrete and replace the sections of sidewalk immediately each side of the driveway strip with four inches (4”) of concrete to grades and conditions specified on the “STANDARD DRIVEWAY ENTRANCE DRAWINGS”.
10. The contractor shall use standard curb and gutter forms at all times when curb and gutter is replaced.
11. The City Engineer shall determine the allowable width of the driveway entrance when the driveway construction permits is issued.

- a. Residential / min. 12 F/F max 20'F/F
  - b. Commercial (2-way) / min 24' max 36'
  - c. Commercial (1-way) / entrance – min 14' exit – min 12'
12. Any changes or alterations in the standard driveway entrances must be reviewed and approved by the City Engineer.
  13. The curing methods for concrete shall conform to the NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, SECTION 700. Clear liquid curing compound may be substituted for the specified white-pigmented liquid membrane-curing compound.
  14. The edges of the curb and gutter section and/or driveway section shall be finished with an approved edging tool of ½" radius.
  15. Construction joints will be required as necessary to reduce uncontrolled cracking, especially in wider width driveway entrances.
  16. Joints are to be spaced according to the concrete streets rules of practice and Design of Concrete Overlays guidelines as published by the Portland Cement Association IS211.01P (1980) and PA 153.01P. In general longitudinal joint spacing is not to exceed 12.5 ft. and transverse joints shall not exceed 30 times the slab thickness or 15 ft. maximum. Joints should be laid out in square panels, when not practical, rectangular panels can be used if the long dimension is no more than 1 ½ times the short. See guidelines and rules for full requirements and optional joint types. Any questions as to joint spacing shall be as determined by the Engineer.