FIRE DEPARTMENT CHECK LIST

___1. Show & label existing main (Identify County or City water lines) Identify the following::

a. Pipe size – material

b. fire hydrant – valves, tees, bends, crosses, plug, etc

___2. Detail all taps and Fire Department Connections (FDC).

___3. Fire hydrant to be located on property lines.

___4. Note on Plan No pressure reducing valves to be placed on fire lines. All fire lines are to be inspected prior to covering.

___5. Fire hydrants to be installed and operable prior to any building construction.

___6. Show current flow test information on plans. (less than one year) . Results shall appear on the General Notes Sheet section pertaining to Water.

___7. Grease: Grease discharge outlets and hand tight hydrant cops. Stems must be greased or properly lubricated.

i. ***** A minimum of 1000 G.P.M.'s is required on all fire hydrants in the City of Woodstock.

___8. Show fire hydrant spacing as measured along a paved roadway surface:

a. 500 lineal feet measured along a paved roadway for single family subdivision when distances between homes are more than 10 feet apart.

b. The maximum allowable hose lay distance is 300 feet from any section of the proposed structure. This is measured along paved surfaces, not thru yards or medians.

___9. All commercial buildings over 3500 square feet, and any attached dwellings, multifamily residential structures in the city shall be constructed with an approved sprinkler system.

___10. A modified sprinkler system that utilizes the same or common service water supply to the premises as the domestic water system may be used on commercial buildings that are three stories or less and are not required to be sprinkled by other codes.

___11. Show water vault details if applicable. (See L.D.O.)

___12. All fire/water lines shall be 8-inch ductile iron pipe.

___13. Fire hydrants should be tested in such a manner that the centerline of all hydrant steamer connections is to be a minimum of 18-inches above grade or the barrel flange is to be 6-inches above the finished grade. In addition, the steamer connection must face the mid-line of the street for accessibility. Add a note to the plans or a dimension to the "Typical Fire Hydrant Installation" detail indicating compliance with this requirement.

___14. Fire hydrants must be tested after a water chlorination test has been completed. The test will consist of but not limited to flowing the fire hydrants, painting the hydrants and properly greasing the discharge outlets and stem. After completion notify the Fire Marshal with documentation of the testing.

- Testing fire hydrants: test static, residual and flow G.P.M. (gallons per minute)
- Paint fire hydrants: paint hydrants silver.
- Color code top barrel of fire hydrant to match flow.
  1. Orange = 500-999 G.P.M.'s
  2. Green = 1000-1499 G.P.M.'s
  3. Blue = 1500 G.P.M.'s and above.

___15. An all weather (impervious) Fire Department access road with a minimum width of 20 feet shall be provided within 150 of all portions of the first (1st) floor of the proposed building(s) as required by the 2006 International Fire Code Section 503.1. The area required for turning Fire Department Engines must be verified with appropriate turning radius template(s)..

___16. Fire Tap separate from domestic. (N.F.P.A. 13 System)

___17. Show ***all*** road names, right-of-way width, street width, cul-de-sac radii.

___18. Minimum pavement width is 20 feet and does not include curb and gutter as specified in the international Fire Code 503.2.1.

___19. Fire Lanes (No Parking Zones) are required around portions of building(s) to prevent blockage of Fire Department apparatus access. This requirement must meet the sign and marking specifications listed in the International Fire Code 503.3 Show Fire lane locations with markings and design specifications listed on the plans.

___20. Dead end fire apparatus access road(s) that exceed 150 feet in length shall be provided with an approved method for turning Fire Department vehicles around as required by the International Fire Prevention code Section 503.2.5

___21. Building separation shall comply with the International Building Code Table 602. Indicate either approved building separation in feet or indicate the firewall rating used to separate the occupancies.

___22. Multiple entrances to site where there are more than 1000 occupancies, for any project estimated to have a consumption of 20,000 gpd or more or where lower than normal water pressure is anticipated shall have a hydraulic model of the portion of the existing public water system and a water system distribution model for the proposed project. This model will be analyzed by the City.

___23. An N.F.P.A. 13D fire sprinkler system is required on all attached dwellings (i.e. town homes, quadplex)

___24. The required turning radius of a fire apparatus access road shall be determined by the Woodstock Fire Department. Customary turning radius is 25 feet.