



PLAN REVIEW GUIDE FOR SITE PLAN

Project Name _____ **Permit Number** _____

Project Address _____

Contact Person _____ **Phone** _____

Contractor _____ **Phone** _____

Site plans submitted for review and approval shall contain the following information.

- Fire Department “General Notes to the Contractor” are provided on the plan.
- Required fire lanes, emergency access roadways and emergency vehicle turnarounds are outlined and dimensions are marked and identified on the drawing.
- Fire lane sign locations and the sign detail are shown on the drawing.
- Any gates or other barriers limiting 24 hour access to the site are shown on the plans. Key switch and Pre-emption devices are required and location shall be shown on the plans.
- On site fire hydrants are required when any portion of the facility or building is more than four hundred (400) feet from a hydrant on the fire apparatus access road, as measured by an approved route around the exterior of the facility or building. For Group R-3 and Group U occupancies and buildings equipped throughout with an approved automatic sprinkler system installed in accordance with NFPA 13, the distance shall be six hundred (600) feet.
- The site **shall** be provided with a private looped underground fire line providing water supply to all on site fire hydrants and building fire sprinkler systems.
- Underground fire line installations **shall** be coordinated with fire protection installation requirements for the remainder of the site.
- All stub outs and temporary fire line terminations (phased projects) **shall** end with the post indicator valve (PIV) painted forest green.

- Fire department connections (FDC's) **shall** be remote from the building and located at the primary entrances to the site.
- Fire department connections (FDC's) **shall** be located within 150 feet of a public fire hydrant.
- Fire department connections (FDC's) **shall** be located on the same side of the driveway as the fire hydrant to prevent access from being blocked.
- Fire department connections (FDC's) **shall** be located at least 3 feet from post indicator valves (PIV's). FDC's be installed so the top of the FDC is no higher than 3 feet from grade.
- Fire department connections (FDC's) and post indicator valves (PIV's) located in landscaped or planter areas **shall** be located 4 feet behind the curb or provided with vehicle impact protection.
- Fire department connections (FDC's) and post indicator valves (PIV's) **shall** have a minimum 3 foot (circumference) unobstructed clearance.
- Fire department connections (FDC's) **shall** be $2\frac{1}{2}$ " swivel female couplings **national standard thread (NST)** for NFPA 13. FDC's for NFPA 13 D and 13 R **shall** be $1\frac{1}{2}$ " swivel female coupling **national standard thread (NST)**.
- Fire department connections (FDC's) and post indicator valves (PIV's) shall be red in color and marked in accordance with TFD detail #104.
- Show all fire hydrants on the plan (existing and proposed)
- All fire hydrants installed on private and public water lines **shall** be provided with "OUT OF SERVICE" signs until all required inspections and acceptance tests have been completed.
- Private fire hydrants **shall** not be located within 220 feet of a Fire department connection (FDC).
- Fire hydrants shall have a minimum 3 foot (circumference) unobstructed clearance.
- Fire hydrants shall have a minimum height clearance of 18 inches as measured from grade to the center of the $4\frac{1}{2}$ " (center) cap.
- Turning radius for fire apparatus access roads shall be 45 feet on center.
- Fire apparatus access **shall** be provided to within 150 feet of all portions of the building(s). The distance is to be measured around the building(s) as the fire hose

would be laid out. The distance is not to be measured through interior or covered walkways.

- Fire apparatus access roads **shall** have an unobstructed width of 20 feet and an unobstructed vertical clearance of 13 feet 6 inches.