



## Rocklin Fire Department - Prevention Division

4080 Rocklin Road, Rocklin CA 95677

(916) 6258-5300



### **Civil Improvement Plan Standard**

This document is intended as a resource for the civil construction drawings submittal requirements for commercial developments. Civil construction plans are reviewed to determine compliance with Fire Department requirements as they relate to site construction, layout, building size, fire lanes, fire department access, fire hydrants, and other issues as designated. This list is not a comprehensive, but is a guideline to facility and expedites fire department review. In an effort to expedite the Fire Department's civil plan review process, please ensure the following list of items are incorporated into the proposed civil construction plans and marked as a separate "FP" plan pages.

Plans shall include any and all of the listed items that pertain to the project:

#### **Fire Hydrants / FDC / Underground**

- 1) Location of existing fire hydrants
- 2) Location of proposed fire hydrants, there must be 36" clearance around hydrant, bollards may be necessary.
- 3) Type and size of underground water lines serving the fire hydrants, and other utility services.
- 4) Size and location of the underground water line, Fire Service, for the fire sprinkler system.
- 5) Proposed location of the Fire Department Connection (FDC). Note that the FDC is required to be along the fire access lane and be within 40 ft., of a fire hydrant, unless otherwise approved by AHJ. Each FDC must be addressed in a permanent fashion with 2" black on white high-reflective lettering.
- 6) Location of Backflow prevention.

#### **Roads / Gates / Fire Access**

- 7) Any dead-end lane in excess of 150' must provide for size, type and location of turnarounds are required to be approved by the Fire Department.
- 8) Turning radius is 36' inside and 50' outside
- 9) Fire Lanes: Roadways less than 28' Parking Prohibited, 28'-36' Parking Permitted on one side, 36' or greater Parking Permitted on both sides.
- 10) All Emergency Vehicle Access Roads (EVA) must indicate that they are a minimum of 20' in width with a 15' vertical clearance, all EVA's must be all-weather solid surface.
- 11) Bollards, or gate's for EVA's
- 12) All vehicle gates must be a minimum of 15' wide for each opening and be equipped with an OptiCom and KnoxBox System, island setback is 15' minimum.
- 13) Man Gate's for access must be indicated; locked gated access paths must be 8' wide, clear of obstructions a posted "Fire Access" sign. Sign must be 8x12, 0.063 aluminum, HIP, White Letters & Border on Red Background
- 14) "NO PARKING FIRE LANE" markings on curb shall be red curb with white lettering 3" and every 25'. Signs should be 12" wide by 18" in length, placed 7' high and 24" from curb.

15) KnoxBox system on building shall be 60" from finished ground level and shall be placed near access areas, contact fire department for placement (see form list for Knox Box Standard).

All street names are approved by the Fire Department and must be submitted separately.

Signs for Fire Access and No Parking for Fire Lane shall be approved by the fire department; street name signs are per city standard and must be installed once streets are paved.

Building Markings: Commercial addresses shall be 12" in contrasting color, illuminated and placed visible from street or access point. Utility Rooms (Fire, Electrical, etc.) 6" letter in contrasting color

A fire hydrant flow test must be conducted to attain current fire flow, you can call the Fire Department for fee and to schedule test (see form list for Request for Testing of Hydrants).

Call the Rocklin Fire Department with any questions at (916) 625-5300.