



TALLAHASSEE FIRE DEPARTMENT SITE PLAN REQUIREMENTS

Project Name: Crump Road Gas Station and Convenience Store
Parcel ID # 12-04-20-018-000-0
LSP 140004
AGENT: Alday-Howell Engineering, Inc.
PLANNER: Scott Brockmeier
MEETING DATE: March 5, 2014

The Required width of a fire department access road shall not be obstructed in any manner, including the parking of vehicles. *NFPA 1, 18.2.3.1.1, (2010 Edition of the Florida Fire Prevention Code, 2009, edition).*

Listed below are the Tallahassee Fire Department's requirements concerning the above proposed development. The agent or owner prior to approval shall address the below listed items.

1. Must meet NFF (needed fire flow) as determined by AWWA Manual M31, using NFPA 1 Method. Please provide needed fire flow calculations to the Tallahassee Fire Department representative and to Water Utilities Engineering and Inspections at this time. Please use the Required Fire Flow Information form (NFPA 1, 18.4.1.1, 2009 Edition) to provide fire flow calculations. The Fire Flow form is located on the Growth Management Department page within the City of Tallahassee's web page (www.talgov.com) in the "Applications and Forms" section. If hydrants are existing the following is required. After the NFF is determined, the existing fire hydrant(s) shall be flowed to determine its GPM. If the GPM meets or exceeds the NFF, no additional hydrants are required. If it does not meet the NFF, additional hydrant(s) are required.
2. Show all existing and proposed fire hydrants and main placements. Please show fire hydrants a maximum of 10' from roadways. Hydrants shall not be spaced so that you have to pass the protected property in order to supply water for firefighting purposes. Please provide scaled plans in order to verify fire hydrant spacing.
3. Water supply. Approved fire hydrants shall be provided for buildings to meet the fire flow requirements. The location and number of fire hydrants shall be designated by the fire official. Maximum distance from the nearest hydrant to the most remote exterior point of any building shall be 500 feet. The distance shall be measured on a roadway surface as the truck would drive meeting the fire department access requirements. Please show on plans.

4. Commercial buildings, multi-family residential, institutional or industrial:
 - (1) 8 inch fire line and looped wherever possible
 - (2) Maximum distance between fire hydrants shall not exceed 300 feet; please show on plans.
5. Every building constructed shall be accessible to fire department apparatus by way of access roadways with all-weather driving surface of not less than 20 feet of unobstructed width, with adequate roadway turning radius capable of supporting the imposed loads of fire apparatus (32 tons) and having a minimum clearance of 13 feet, 6 inches. Slope approach angle 15 degrees departure angle 9 degrees. Please use auto-turn software (BUS-40) throughout the site to show turning radii.
6. A fire sprinkler system may be installed:
 - (1) Please provide assembly occupant load calculations on the Required Fire Flow Information form in order to determine fire sprinkler requirements. *Florida Fire Protection Code 2010 Edition, NFPA 101, 12.3.5, Florida Edition.*
7. If an automatic sprinkler system is required, the fire department connection (FDC) for the sprinkler system shall be located within 100 feet of a fire hydrant. A post indicator valve is required at the point where the water distribution system becomes exclusively used for a fire sprinkler system. Please show FDC and post indicator valve locations on plans.
8. Every fire department connection shall be so located, with respect to hydrants, driveways, buildings and landscaping; that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. Fire department connections shall be located in front of the building(s) they serve, shall be fully visible and recognizable from the street or nearest point of fire department apparatus accessibility, and shall be provided with address signage. Please show FDC location meeting the above stated code requirements.
9. Please include the following on plans:

Depth of fire main piping (to top of pipe):
36' minimum under driving surfaces
30' minimum under non-driving surfaces
Fire main piping shall not be covered until inspected by the Tallahassee Fire Department
Fire hydrants shall be a minimum of 24' above grade measured to the center of the steamer nozzle
Steamer nozzle to face roadway or nearest point of fire department apparatus accessibility when placed in service
10. Please include the following on landscaping plans:

Clearances of 7 ½ shall be maintained to the front and sides and 4' to the rear of all fire appliances (i.e. hydrants, backflow preventors, post indicator valves, fire department connections).

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