

From East Manatee Fire Rescue Local Ordinance 21-A

Section 20: Rural Water Supply

20.1 In all developments, the adequacy of fire protection services, water capacity, hydrant locations, fire lanes and maneuvering area are subject to the approval of the Fire Marshal with the requirements set forth herein determined as a minimum provision.

20.2 All dry hydrants shall be installed in accordance with the requirements of NFPA 1142 as referenced in the FFPC.

20.3 Dry hydrants shall be installed in all new developments which meet any of the following criteria:

- (1) All developments which cannot have the water distribution system extended.
- (2) Any property either commercial or residential buildings as determined by the AHJ.
- (3) When, in the opinion of the AHJ, access to or distance from other dry hydrants would hamper or impair firefighting operations.

20.4 Approved Fire Hydrant: An approved fire hydrant under this section shall mean a fire hydrant connected to an approved rural static water supply. Dry hydrants shall meet the construction requirements of NFPA 1142 and shall meet the performance standards established therein. In addition, exposed piping shall be made of iron and painted red. Dry hydrant connections shall have one (1) 4 ½ inch hose connection. All hydrant installations shall be approved by the district as pertaining to the availability of water capacity, volume and reliability of water service.

20.5 Rural water supplies shall meet or exceed the requirements of NFPA 1142.

- (1) Such supplies shall be engineered and certified by a licensed engineer. For private water supply a written water use agreement shall be entered with the District to use of such supply both on and off premises.
- (2) Cisterns or ground storage vessels shall have a capacity as determined by NFPA 1142. Such vessels shall have the capability to be refilled or topped off automatically at a rate of not less than 50 gallons per minute from a reliable water supply. Dry hydrants for cisterns shall be painted orange and the capacity of the tank stenciled on the barrel in black to indicate a limited water supply.

20.6 Other Water Supplies. Those water supplies approved for use with a fire protection system and standard fire hydrants are as follows:

- (1) Pressure tanks shall be installed in accordance with NFPA 22 and shall have a capacity of not less than 3,000 gallons. Such vessels shall have the capability to be refilled or topped off automatically at a rate of not less than 100 gallons per minute from a reliable water supply. A standard fire hydrant shall be installed on the system to allow for external use. Such hydrants shall be painted orange and the capacity of the tank stenciled on the barrel in black to indicate a limited water supply. A written water use agreement shall be entered with the District for the use of such water supply both on and off premises.

- (2) Elevated gravity tanks shall be installed in accordance with NFPA 22 and shall have a capacity of not less than 3,000 gallons. Such vessels shall have the capability to be refilled or topped off automatically at a rate of not less than 100 gallons per minute from a reliable water supply. A standard fire hydrant shall be installed on the system to allow for external use. Such hydrants shall be painted orange and the capacity of the tank stenciled on the barrel in black to indicate a limited water supply. A written water use agreement shall be entered with the District for the use of such supply both on and off premises.