



LIMERICK TOWNSHIP

DEPARTMENT OF EMERGENCY SERVICES

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Standard Operating Guideline (SOG) #010

Limerick Township Fire Hydrant Standard Specifications

Original: September 16, 2015

- ✚ *All fire hydrants, unless otherwise identified, shall be installed in accordance with PA American Water Royersford for the Limerick Township System **AND** operated as public devices.*

- ❖ Fire Hydrant Devices:
 - Manufacturers: Mueller Centurion (fire hydrants are able to be painted to the Township color specification at the time an order is placed), Kennedy Guardian (K-81), American Darling (B-84-B), or approved alternate.
 - Equipped with a 6" Mechanical Shoe
 - 5 ¼" Hydrant Valve Opening
 - (1) ½" Pent, Open Left

- ❖ Outlet Sizes:
 - (1) 4 ½" Pumper (aka Steamer) Connection, National Standard Thread (NST)
 - (2) 2 ½" Hose Connections, National Standard Threads (NST)

- ❖ Hydrant Depth: Hydrant Barrel shall be 4' to 4 ½'

- ❖ Hydrant Height: 18" (measured from final grade to center of the pumper nozzle)

- ❖ Color Specifications: Forrest Green Body with White Bonnet & Caps
 - Rust Oleum Paint Numbers:
Forrest Green – V7400 Alkyd Enamel
White – 3700 Acrylic Enamel White
 - Sherman Williams Paint Numbers:
Forrest Green – TBD
White – TBD

- ❖ Hydrant Marker: (1) 5' reinforced fiberglass or metal pole with red and white reflective bands is required per fire hydrant. The pole shall have a flexible shaft, heavy duty spring, and integral mounting bracket.

- ❖ General Notes:
 - The location of new fire hydrants shall be installed pursuant to the approved Land Development Plans OR approved as a field change by the Township Engineer and Fire Marshal.
 - The proposed locations of fire hydrants shall commence at the development entrance, with hydrants spaced so that they do not exceed 400' to each structure, positioned on the street for the passenger side (aka Officer) of the fire apparatus based off of the Host Fire Company's primary approach. Approved exceptions allow the spacing distance to extend to a maximum of 600'.
 - As built GIS coordinates for all fire hydrants shall be verified by the Township Engineer.
 - Fire hydrants are for fire protection and public utility use only.
 - Design fire flow calculations and as built fire flow calculations shall be provided to the Township Engineer and Fire Marshal.