

## Hopewell Valley Bureau of Fire Safety

201 Washington Crossing Pennington Road

Titusville, NJ 08560

Phone: 609-730-8156 Fax: 609-730-1563

<http://www.hopewelltwpfire.org/BFS>

### VEHICLE/HEAVY OBJECT PROTECTION APPROVAL AND INSPECTION GUIDE

1. Submit a site drawing indicating the lot lines, roads and driveways, hazard to be protected, and intended post locations for approval. Also indicate if you will be installing protection in accordance with section 312.2 (low speed or low traffic areas), section 312.2.1 (High speed or heavy traffic areas), or an alternate barrier in accordance with section 312.3 of the NJ Uniform Fire Code.

*312.2 Guard posts shall comply with all of the following requirements: 1. Constructed of steel not less than 4 inches (102 mm) in diameter and concrete filled and painted yellow.; 2. Spaced not more than 4 feet (1219 mm) between posts on center.; 3. Set not less than 3 feet, 6 inches (1067 mm) deep in a concrete footing of not less than a 18 inch (457 mm) diameter.; 4. Set with the top of the posts not less than 3 feet (914 mm) above ground.; 5. Located not less than 2 feet (610 mm) from the protected object.*

*312.2.1 In areas where high speed or heavy duty traffic occurs, the following shall be the requirements for motor vehicle protection: 1. Posts are to be a minimum of 6 inch (152 mm) diameter Schedule 40 pipe and painted yellow; 2. Posts are to be buried a minimum of 48 inches (1219 mm) deep and extend a minimum of 48 inches (1219 mm) above grade and be filled with concrete; 3. Posts are to be set at 4 feet (1219 mm) maximum centers; 4. Posts are to be encased in concrete of 24 inches (610 mm) diameter and 48 inches (1219 mm) in depth for minimum standards; and 5. The crash protection shall be installed a minimum of 24 inches (610 mm) from the LP-gas container(s).*

*312.3 Physical barriers shall be a minimum of 36 inches (914 mm) in height and shall resist a force of 12,000 pounds (53 375 N) applied 36 inches (914 mm) above the adjacent ground surface.*

2. Prior to commencing any site work contact the NJ One Call number for markouts.



3. Contact the Hopewell Valley Bureau of Fire Safety (609-730-8156) and request a footing inspection, do not pour concrete until this approval is obtained. Posts or the alternate barrier to be installed should be on site at the time of this inspection. Requests for inspection must be called in at least one full business day in advance.

4. Contact the Hopewell Valley Bureau of Fire Safety (609-730-8156) and request a final inspection once the impact protection is installed. Requests for inspection must be called in at least one full business day in advance.