

## FIRE APPARATUS ACCESS ROADS

### SECTION D101 GENERAL

**D101.1 Scope.** Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of the *International Fire Code*.

**Inspection Fee:** A \$200.00 fee is required for inspection. Includes pre, post inspection and approval letter to building department.

### SECTION D102 REQUIRED ACCESS

**D102. Access and Loading.** All Facilities, buildings, or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds (34,050 kg).

### SECTION D103 MINIMUM SPECIFICATIONS

**D103.1 Access road width with a hydrant.** Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm). See Figure D103.1

**D103.2 Grade.** Fire apparatus access roads shall not exceed 10% grade.

**Exception:** Grade greater than 10% as approved by the fire chief.

**D103.3 Turning radius.** The minimum turning radius shall be determined by the fire code official.

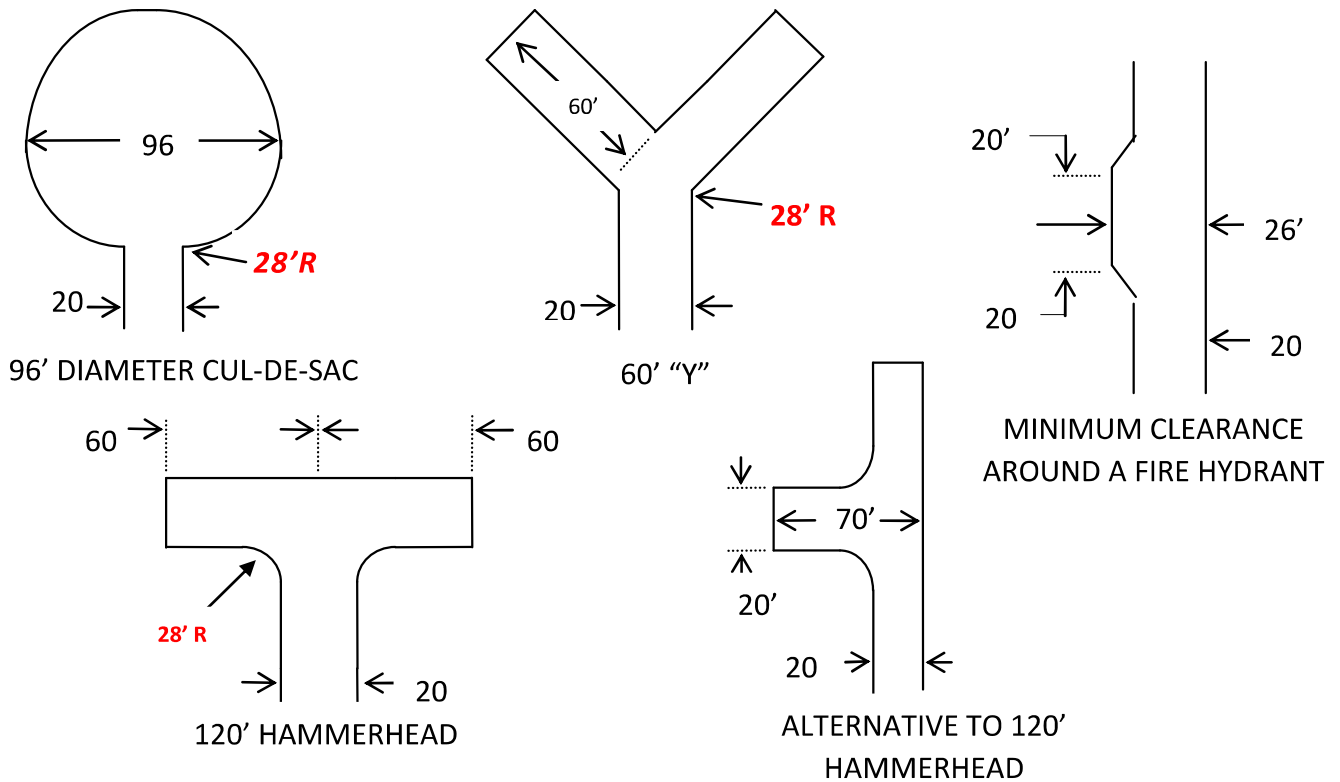
**D103.4 Dead ends.** Dead-end fire apparatus access roads in excess of 150 feet (45,720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

**TABLE D103.4 REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS**

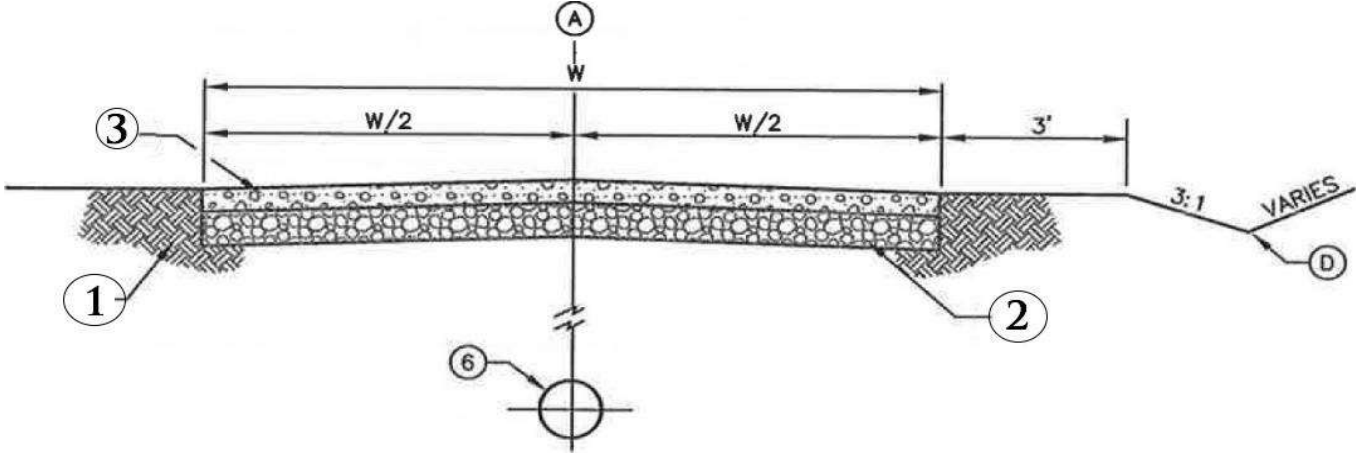
| Length (feet)     | Width (feet) | TURNAROUNDS REQUIRED   |
|-------------------|--------------|--|
| 0-150             | 20           | None required  |
| 151-750           | 20           | 120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac in accordance with Figure D103.1 |
| Over 750          | 20           | Special Approval Required  |
| Minor Subdivision | 24           | Special Approval Required  |

**D103.5 Fire apparatus access road gates.** Gates securing the fire apparatus access road shall comply with all of the following criteria:

1. The minimum gate width shall be 20 feet (6096 mm).
2. All locked gates must have a Knox Lock Box



# All Weather Gravel Access Road



- Notes:**
- (A) Provide 2% crown on all road types.
  - (B) Roadways must be 20' min. Minor Subdivision Roadways 24' min.
  - (C) All Roads shall be tested by a certified material testing company to ASTM 698 standards.
  - (D) Certificate of compaction must be received by the Fire District before final approval.

- Legend**
- (1) Natural Ground
  - (2) Place 12" of 6" minus Pit run gravel compacted to 95%
  - (3) Place 4" of 3/4" road mix gravel compacted to 95%