



FIRE PREVENTION DIVISION STANDARD DETAILS & SPECIFICATIONS

SUBJECT: Specifications for Driveways, Turnarounds and Turn Outs Serving up to Two (2) Single Family Dwellings	SPEC NO: 11-E EFFECTIVE DATE: 01/01/13 REVISED:
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SCOPE

This standard is applicable to driveways serving up to two (2) single family dwellings where any portion of the dwelling(s) is greater than 150 feet from the center line of a public roadway.

DEFINITIONS

Roadway: A vehicular access roadway greater than or equal to 20 feet in width.

Driveway: A vehicular access roadway less than 20 feet in width and serving no more than two single-family dwellings.

REQUIREMENTS

DRIVEWAY:

Minimum 12 feet wide paved surface. See MHMC Section 18.50.300; Paving Standards

VERTICAL CLEARANCE:

The vertical clearance shall be in accordance with the Fire Code, 13 feet, 6 inches.

GRADE:

Maximum grade shall not exceed 15% (6.75 degrees).

Exception: Grades up to 20% may be allowed by the Fire Chief provided an approved automatic fire sprinkler system is installed throughout the affected dwelling structure including attached garages. In no case shall the portion of driveway exceeding 15% gradient be longer than 300 feet in length. For longer driveways, there shall be at least 100 feet of driveway at 15% or less gradient between each 300-foot section that exceeds 15%.

PAVEMENT SURFACE:

Driveways shall be surfaced roads of either asphalt, concrete or other material such as pavers, acceptable to the Fire Prevention Division (See MHMC Section 18.50.300). Note: For alternative roadway surfaces such as "Turf Block" or other materials that blend into landscaping and/or that do not readily appear to be driving surfaces, the boundary edges of the alternate material shall be

delineated as approved by the Fire Prevention Division. Delineation shall be by concrete curbs, borders, posts or other means that clearly indicate the location and extent of the driving surface.

BRIDGES AND CULVERTS:

All bridges and culverts shall be designed to support the imposed load of a fire apparatus weighing at least 75,000 pounds.

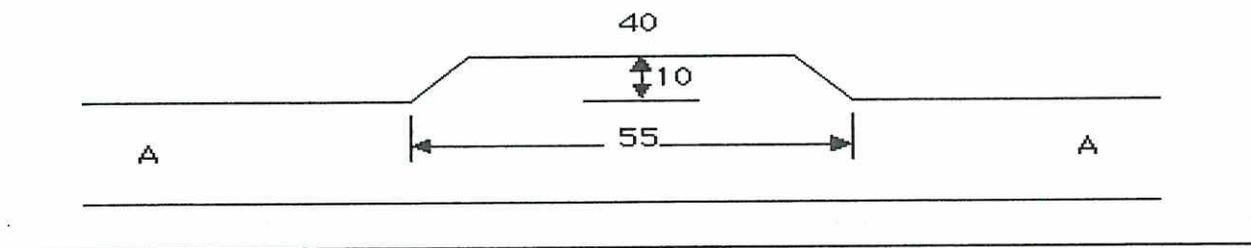
TURNING RADIUS:

The minimum outside turning radius is 36 feet, unless otherwise specified.

Exceptions: Modified turning radius may be allowed by the Fire Prevention Division in cases where conditions acceptable under the Fire Code allow for such deviation. Requests for such modifications must be made in writing to the Fire Department for review.

TURNOUTS:

Turnouts are required every 500 feet for driveways in excess of 500 feet.

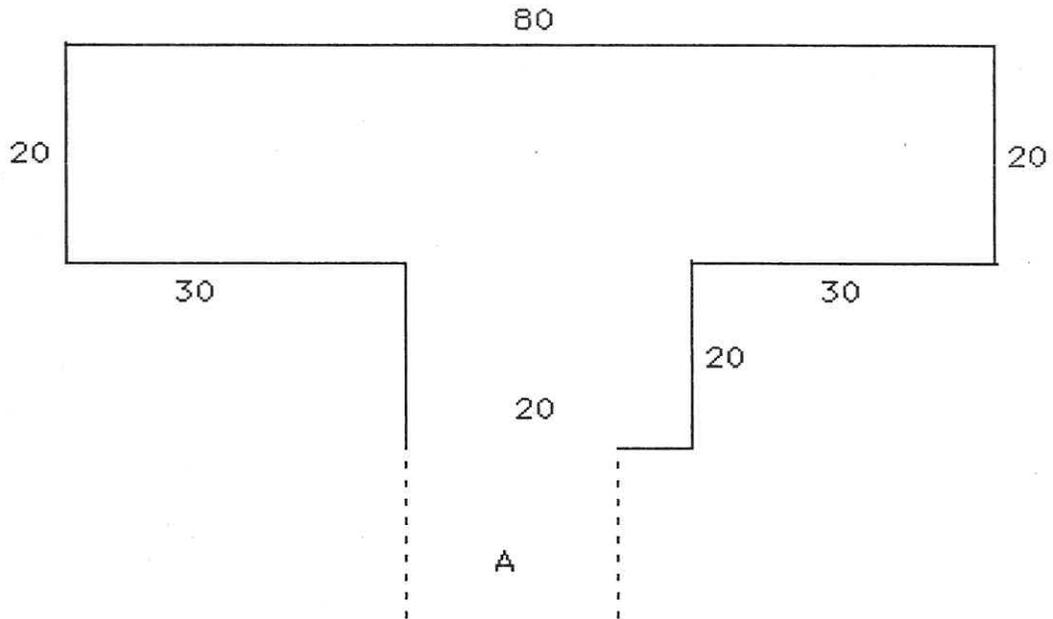
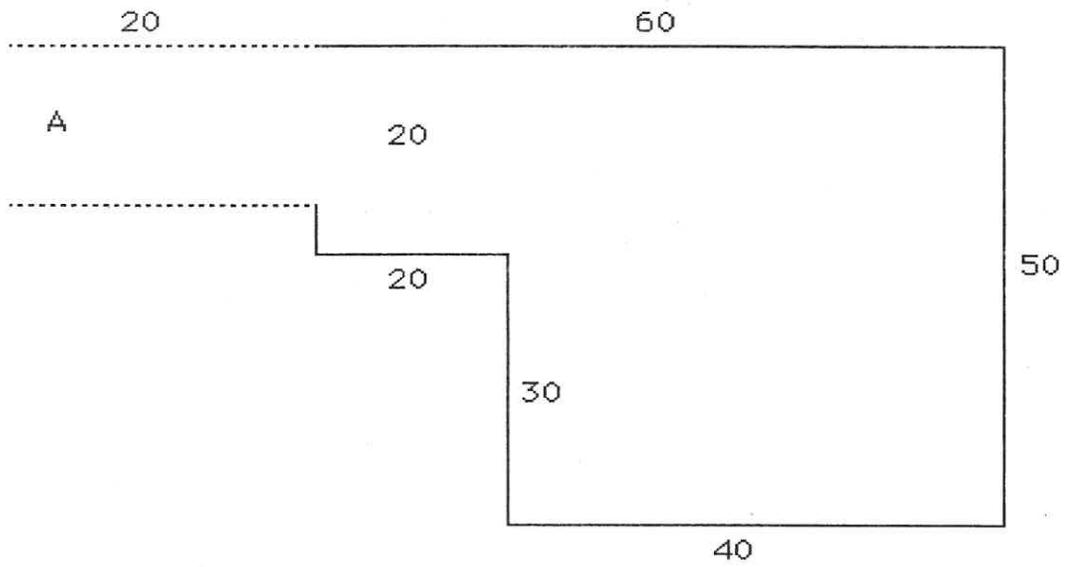


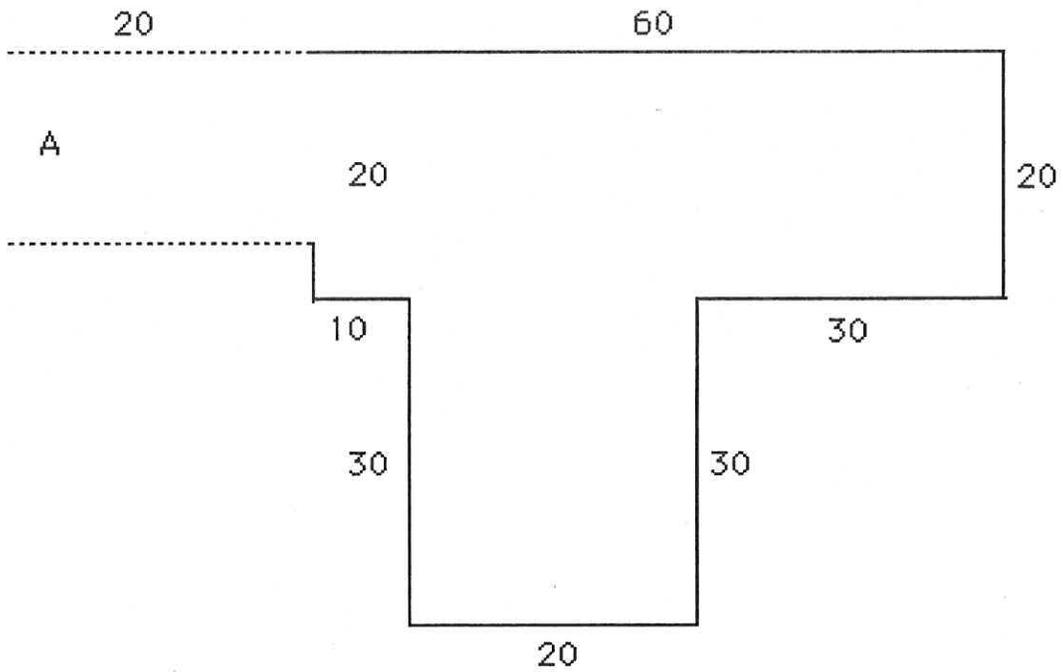
Dimensions are in feet.

DIMENSION A: 12 FT

TURNAROUNDS:

Turnarounds are required for all driveways with a length in excess of 150 feet.





Dimensions are in Feet