

FIRE APPARATUS ACCESS ROAD DISTANCE FROM BUILDING AND TURNAROUNDS: Access roads shall be within 150 feet of all portions of first story exterior walls of the building, as measured by an approved route around the exterior of the building. An approved turnaround (See the diagrams on the back of this brochure) is required if the remaining distance to an approved intersection roadway, as measured along the fire apparatus access road, is greater than 150 feet. **Where this requirement cannot be complied with, the developer has the option of proposing additional fire protection or detection systems. These systems must be approved by the Medford Fire Department.** (OFC Sec. 503.1.1)

FIRE APPARATUS ACCESS ROAD EXCEPTION FOR AUTOMATIC SPRINKLER PROTECTION: When buildings are completely protected with an approved automatic fire sprinkler system, the requirements for fire apparatus access may be modified as approved by the fire code official. The approval of this alternate method of construction shall be accomplished in accordance with the provisions of ORS 455.610(5). (OFC Sec. 503.1.1 Exception 1)

DEAD END ROADS: Dead end fire apparatus access roads in excess of 150 feet in length may be required to have an approved turnaround. Approved turnaround diagrams are on the back of this brochure. (OFC Sec. 503.2.5)

ADDITIONAL ACCESS ROADS: For residential subdivisions in "ODF Designated Wildland Areas", an approved second fire apparatus access roadway must be provided to a city roadway or access easement. (OFC Sec. 503.1.2)

FIRE APPARATUS ACCESS ROAD WIDTH AND VERTICAL CLEARANCE: Fire apparatus access roads shall have an unobstructed width not less than 20 feet and an unobstructed vertical clearance not less than 13 feet 6 inches. (OFC Sec. 503.2.1)

SURFACE AND LOAD CAPACITIES: Fire apparatus access roads shall be of all-weather surface that is easily distinguishable from the surrounding area and is capable of supporting at least 50,000 pounds live load (gross vehicle weight). Commercial access roads shall be capable of supporting at least 75,000 pounds. (OFC Sec. 503.2.3)

BRIDGES: Private bridges shall be designed and constructed to support a gross vehicle weight of not less than 50,000 pounds. Commercial bridges shall be designed and constructed to support gross vehicle weight of not less than 75,000 pounds. Weight signs shall be posted at both entrances of the bridge. (OFC Sec. 503.2.6)

TURNING RADIUS: See the diagram on back of this brochure. (OFC Sec. D103.3)

GRADE: Fire apparatus access roadway grades shall not exceed 10%. **Where fire apparatus access roadway grades exceed 10%, modifications to the grade can be proposed where fire sprinkler systems are installed.** Fire apparatus roadway grades shall not exceed 15%. (OFC 503.2.7; Appendix D103.2)

NO PARKING SIGNS: Where fire apparatus roadways are not a sufficient width to accommodate parked vehicles *and* 20 feet of unobstructed driving surface, "No Parking" signs shall be installed on one or both sides of the roadway and in turnarounds as needed. Signs shall read:

**NO PARKING-FIRE LANE
TOW AWAY ZONE
ORS 98.810-98.812**

and shall be installed with a clear space above the ground level of 7 feet. Signs shall be 12 inches wide by 18 inches high and shall have black or red letters and border on a white background. (OFC Sec. D103.6)



REQ. FIRE FLOW-COMMERCIAL BUILDINGS: The required fire flow for commercial buildings shall be based on the type of construction, occupancy type, and the type of fire protection within the building. Exception: With all the possible credits allowed the minimum fire flow for a commercial occupancy is 1500 GPM and 1000 GPM for residential. (OFC Append. B)

FIRE HYDRANT SPACING: In normal instances, hydrants are spaced on streets not more than 300 feet apart for commercial and 500 feet apart for residential. Additional on-site hydrants may be required due to any of the following; construction and site design, required fire suppression, or fire department access and operational needs.

FIRE HYDRANT/FIRE DEPARTMENT CONNECTIONS: A fire hydrant shall be located within 75 feet of a fire department connection. The fire department connection shall be located at an approved location away from the building. The flow-alarm bell shall be located on the fire department connection riser. Upon request, a standard drawing is available from the Fire Marshal's Office.

FIRE HYDRANTS-MAJOR ARTERIAL, MINOR ARTERIAL OR MAJOR COLLECTOR STREETS: Fire hydrants shall be placed on both sides of the street or road at an approved spacing.

REQUIRED FIRE FLOW FOR RURAL BUILDINGS WHERE A MUNICIPAL WATER SUPPLY IS NOT AVAILABLE: Fire flow for rural buildings shall be determined by the Medford Fire Department.

HYDRANTS AND WATER MAINS: Must be installed to the Medford Water Commission's Standards. Contact the Water Department for their requirements.

HYDRANT MARKERS: Contractors or developers must install blue reflective markers near the center line of the street parallel to the required hydrants. Installation instructions are available from the Medford Fire Department.

ACCESS AND FIRE FIGHTING WATER SUPPLY DURING CONSTRUCTION: Approved fire apparatus access roadways and fire fighting supplies shall be installed and operational prior to any other construction on the site or subdivision. (OFC Sec. 501.4)



ADDRESSING ON BUILDINGS AND FLAG LOTS: The address on buildings must be visible at the street. All flag lots or buildings that are located off the main street must have address signs that are approved by the Medford Fire Department. (OFC Sec. 505)

ADDRESSING FOR WILDLAND AREA: Approved address signs are available from the Medford Fire Department for residential homes in Wildland areas.

GATES AND LOCKS: All gates shall have approved locking devices. Manual gates are to have a lock connected to a long length of chain. Automatic gates must have an approved emergency services activated gate.

KNOX BOXES: Knox boxes are required on all buildings with a required alarm and/or sprinkler system or any other complex building. Please contact the Medford Fire Department for an order form and instructions regarding installation and placement.

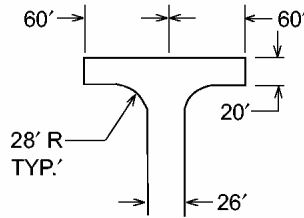
(OFC Sec. 506.1)

BUSINESS LICENSE: All contractors must have a Medford Business License to conduct business in the City of Medford. Contact the Medford Finance Office to obtain a license.

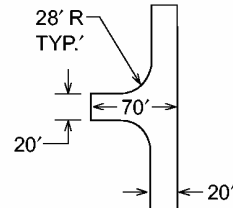
CITY DEPARTMENT PHONE NUMBERS

- Building Department - (541) 774-2350
- City Manager - (541) 774-2000
- Finance Department - (541) 774-2030
- Fire Department - (541) 774-2300
- Planning Department - (541) 774-2380
- Police Department - (541) 774-2200
- Public Works - (541) 774-2100
- Urban Renewal - (541) 774-2700
- Water Commission - (541) 774-2430

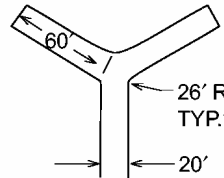
Turn-Around, Turning Radius, and Cul-De-Sac Requirements



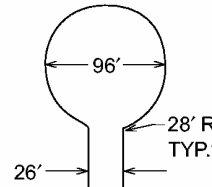
120' HAMMERHEAD



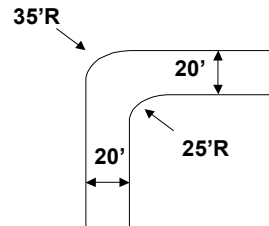
ACCEPTABLE ALTERNATIVE TO 120' HAMMERHEAD



ACCEPTABLE ALTERNATIVE TO 120' HAMMERHEAD



96' DIAMETER CUL-DE-SAC



This brochure is being provided as a resource only. The items listed inside are the requirements most generally cited on plans for development. When these items are indicated on the plans submitted for review, a more timely and accurate review is produced.

If questions arise with regard to any of the provisions please call (541) 774-2300.

**Developer's Guide
Fire Code
Requirements for
Access & Water
Supply**



**Medford Fire Department
Fire & Life Safety Division**

Medford City Hall Annex
200 S. Ivy Street, Room #180
Medford, OR 97501

Ph. (541) 774-2300 Fax (541) 774-2514
www.medfordfirerescue.org

6-2020