Approved Fire Apparatus Turn-Around
Minimum Dimensions
Minimum lane width is 20’ measured curb face to curb face.
Minimum inside turning radius is 20’.
Minimum drivable cul-de-sac radius is 35’.
Minimum length of turn-around arm is 60’ measured from the center line of the of the perpendicular fire lane to the curb face.

(Not to scale)

NOTES:

1. For hammer-head and “T” configurations, measurements are from the face of the curb to the centerline of fire lane width. Where the fire lane exceeds 20 feet in width, measurement is from the end of the turn-around arm to 10 feet across the fire lane.
2. For “Y” configurations, measurements are from the face of the curb at the end of the turn-around arm to the point of intersection as measured along the centerlines of the arms.
3. For cul-de-sac configurations, radius measurement is from the face of the curb to the center of the cul-de-sac.
4. A 30 foot paved radius cul-de-sac may be approved provided that notes and details are proposed indicating that rolled curb and attached thickened sidewalks will be installed. Fire apparatus will need to mount the curb therefore all posts, poles, signs or mailboxes shall be mounted behind the sidewalk. Sidewalks shall be engineered to support Vancouver’s heaviest fire apparatus. Fire apparatus heaviest weight totals 62,000 pounds with a maximum of 24,000 pounds per axel.
5. Approved Fire Lane signage shall be installed per Fire Department Standard Detail F-503.3 or, if required by the City of Vancouver Transportation Department, approved ‘NO PARKING ANY TIME’ signs shall be installed per the Transportation Department’s standard details.
6. Turn-around provisions required by the Fire Department shall be no more than 200 feet from the end of the fire apparatus access lane.

Code Reference: 2003 International Fire Code section 503.2.4