

# Fire Access Plan Development Permit Submission Requirements



## WHAT IS A FIRE ACCESS PLAN?

A Fire Access Plan is a **simple site plan** identifying **emergency access requirements** and **fire protection measures** for site development. A Fire Access Plan shall be submitted with **all** Development Permit applications.

## WHY IS A FIRE ACCESS PLAN REQUIRED?

Edmonton Fire Rescue Services' reviews applications for access (i.e., roads) and utilities (i.e., water). A complete FAP contains all required information for review, and submission of a complete Fire Access Plan ensures an efficient review by Fire Rescue Services.

## WHAT NEEDS TO BE SHOWN IN THE FIRE ACCESS PLAN?

- **BUILDING** - Basic information including **building size** (in square metres), number of storeys, National Building Code - Alberta Edition classification, as well as whether or not the building has a **sprinkler** or **fire alarm** system. Clearly identify the building's **principal entrance**.
- **EMERGENCY ACCESS ROUTE** - Identify the emergency access route from public thoroughfare to each building on site. Dimensions to be specified include the **width** and **turning radii** along the length of the access route. Additionally, specify the **travel distance** from public thoroughfare to the building. Emergency access routes in excess of 90m require turnaround facilities, and access routes longer than 120m require a secondary access. (Reference: *National Building Code - Alberta Edition 3.2.5.4, 3.2.5.5, and 3.2.5.6*)
- **FIRE HYDRANTS** - Identify all **fire hydrants** in proximity to the development, including the nearest municipal/private hydrants. Provide the distance from the nearest hydrant to each building's principal entrance (non-sprinklered building) or to the building's fire department connection (sprinklered building). (Reference: *National Building Code - Alberta Edition 3.2.5.15*)

**Note:** If there are no municipal hydrants in proximity to the development, provide the details for on-site provisions for firefighting water. (Reference: *National Fire Code - Alberta Edition 5.6.1.4*)

- **HIGH BUILDINGS** - If required, ensure provisions are made for the central alarm and control facility room. (Reference *National Building Code - Alberta Edition 3.2.6*)

## FIRE ACCESS PLAN QUICK CHECKLIST

- Building Size (m<sup>2</sup>); number of storeys
- Principal Entrance
- Sprinklered? If yes, locate the Fire Department Connection (FDC)
- Fire Alarm? If yes, locate the Fire Alarm panel
- Access Route
  - Width and centerline turning radii
  - Length (from public thoroughfare to building)
  - Turnaround facility (if length is greater than 90m) or a secondary access (if length is greater than 120m)
  - Swept Path Analysis for complex movements
- Fire Hydrants
  - Travel distance from hydrant to principal entrance (non-sprinklered building) or FDC (sprinklered building)
  - NO HYDRANTS - detail on-site provisions for firefighting water
- High Buildings - identify central alarm and control facility room