

2025 Ohio Fire Code

503 Fire Apparatus Access Roads

503.1.1 Buildings and Facilities

Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction which are not readily accessible from a public and/or private street. The fire apparatus access road shall comply with the requirements of this section and shall extend to **within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building** as measured by an approved route around the exterior of the building or facility.

Exceptions:

The fire code official is authorized to increase the dimension of 150 feet (45 720 mm) where any of the following conditions occur:

1.2 Fire apparatus access roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or other similar conditions, and **an approved alternative means of fire protection is provided.**

503.2.1 Dimensions

Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm).

503.2.4 Turning Radius

The required turning radius of a fire apparatus access road shall be **determined by the fire code official.**

503.2.5 Dead Ends

Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) in length shall be provided with an approved area for turning around fire apparatus.

Section 507 Fire Protection Water Supplies

507.5.1 Where Required

Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is **more than 400 feet (122 m) from a hydrant on a fire apparatus access road**, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided **where required by the fire code official.**

Exceptions:

For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet (183 m)

1371.02 ADEQUATE WATER SUPPLY.

- (a) An adequate water supply for fire-fighting purposes, as determined by the Fire Chief, shall be available for all buildings, structures and parts thereof. Such water shall be supplied from City water or private water supply mains.
- (b) An adequate water supply shall consist of, but not be limited to, the required fire flow for a building, structure or parts thereof. Methods for determining required fire flow may include the uniform Fire Code Standard and N.F.P.A. 1142.
- (c) An adequate water supply shall be supplied by public or private mains and public or private fire hydrants or an alternative supply source as approved by the Fire Chief.
- (d) At the submission of a development plan or subdivision plan, the applicant shall submit documentation to the Fire Chief of adequate water supply for fire-fighting purposes.
- (e) If the Fire Chief finds, upon reviewing plans or upon inspection of any building under construction, that adequate water supply or facilities for fire-fighting purposes, as determined by the Fire Chief, are not being furnished as required, then the Building Commissioner shall stop such construction until such time as adequate water supply or facilities for fire-fighting purposes, as determined by the Fire Chief, are furnished.

1371.03 FIRE HYDRANTS/WATER LINE INSTALLATION.

- (a) Purpose. The purpose of this section is to regulate the installation of fire hydrants on both public or private property.
- (b) All buildings and structures shall be so located that all parts thereof are not more than 250 feet from at least two readily accessible public or private Fire Department hydrants. Such distance shall be measured along the centerline of the streets, roadways or driveways. The second hydrant requirement may be waived by the Fire Chief in special circumstances.
- (c) Additional hydrants shall be provided to meet the remaining fire flow as necessary.
- (d) Plans for the installation of a fire hydrant or hydrants shall be submitted to the Fire Chief and the Director of Engineering for approval before a building permit shall be issued.
- (e) The Fire Chief shall approve private hydrant locations.
- (f) Installation of the water lines and hydrants shall be under the inspection of the Director of Engineering.
- (g) All private hydrants shall be accessible at all times for fire-fighting purposes. No obstruction shall be placed within seven (7) feet of any hydrant.
- (h) Fire hydrants required on private property, in conformity with the provision of this chapter, shall be installed and in working order before delivery of combustible construction materials or as determined by the Fire Chief.
- (i) No private fire hydrants shall start to be installed closer than three (3) feet or more than five (5) feet from a street or roadway and no closer than five (5) feet or more than seven (7) feet from a driveway.
- (j) Private hydrants shall start to be installed no more than 300 feet from the closest hydrant. Any additional hydrants shall be spaced no more than 300 feet apart or as approved by the Fire Chief. Such distance shall be measured along the centerline of the streets, roadways or driveways.
- (k) All private mains are to be a minimum of eight-inch (8") ductile iron.
- (l) Private water main and hydrant installations shall conform to all requirements of the current edition of N.F.P.A. #24 and N.F.P.A. #1141 along with Cleveland Water Department and City of

Westlake standards.
(Ord. 2001-194. Passed 1-3-02.)

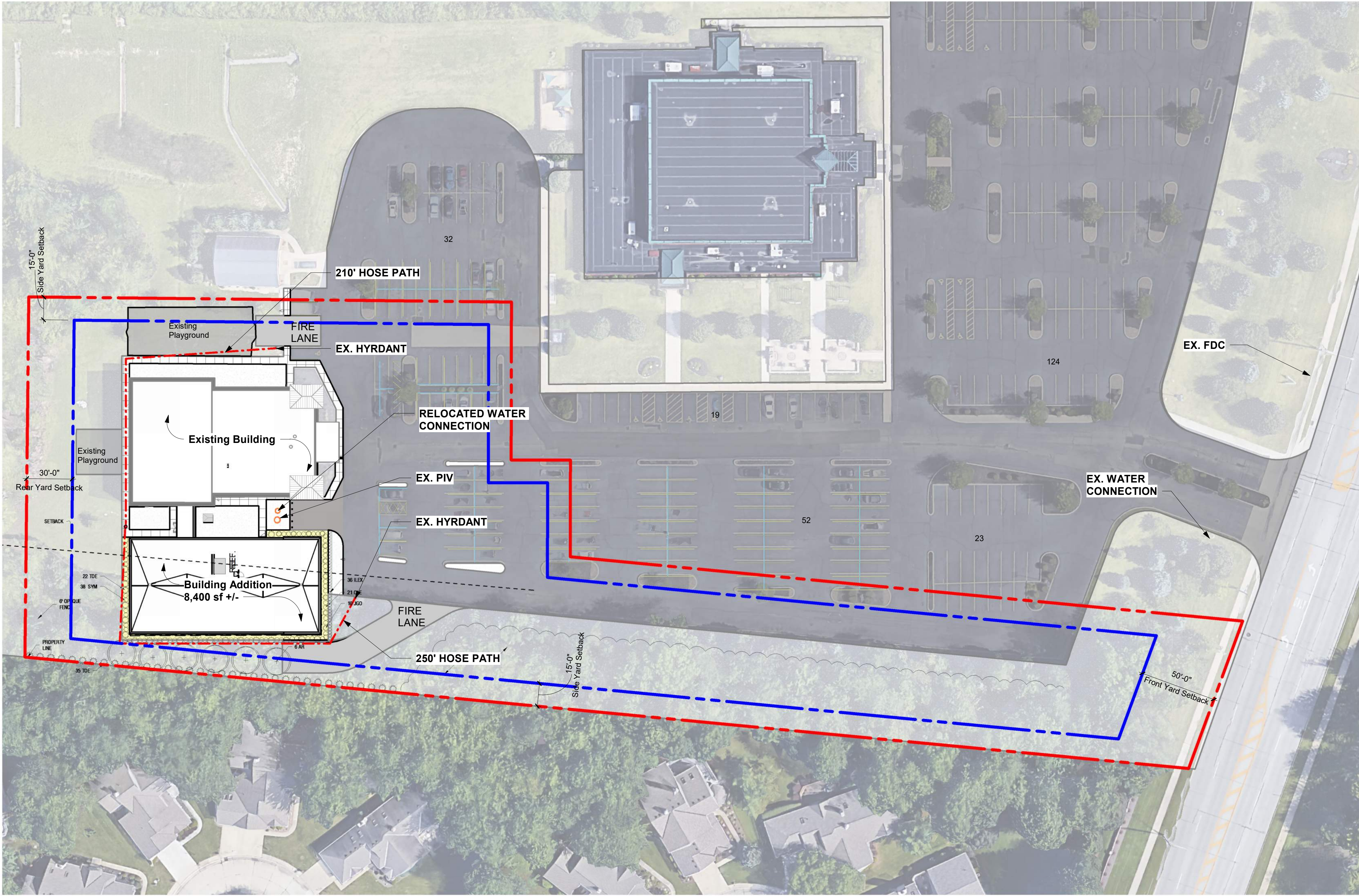
1371.04 HYDRANT STANDARDS.

- (a) All private hydrants shall have an approved shut-off valve installed in the fire hydrant lead not more than 100 feet from the fire hydrant. Such shut-off valve shall be accessible at all times.
- (b) Kennedy, Mueller or equal as approved by the City, six-inch (6") minimum barrel, must be installed on all mains.
- (c) Hydrant outlets: Cleveland Standard Threads.
(1) One 5" integral Storz Pumper Connection.
(2) Two 2½ outlets, 3.066" minimum, eight threads per inch; 3.078" maximum, eight threads per inch.

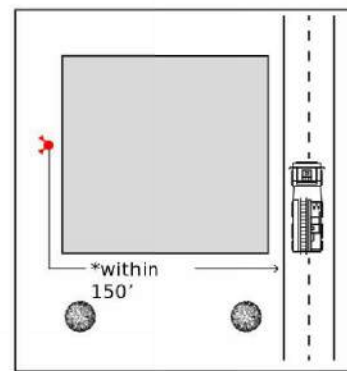
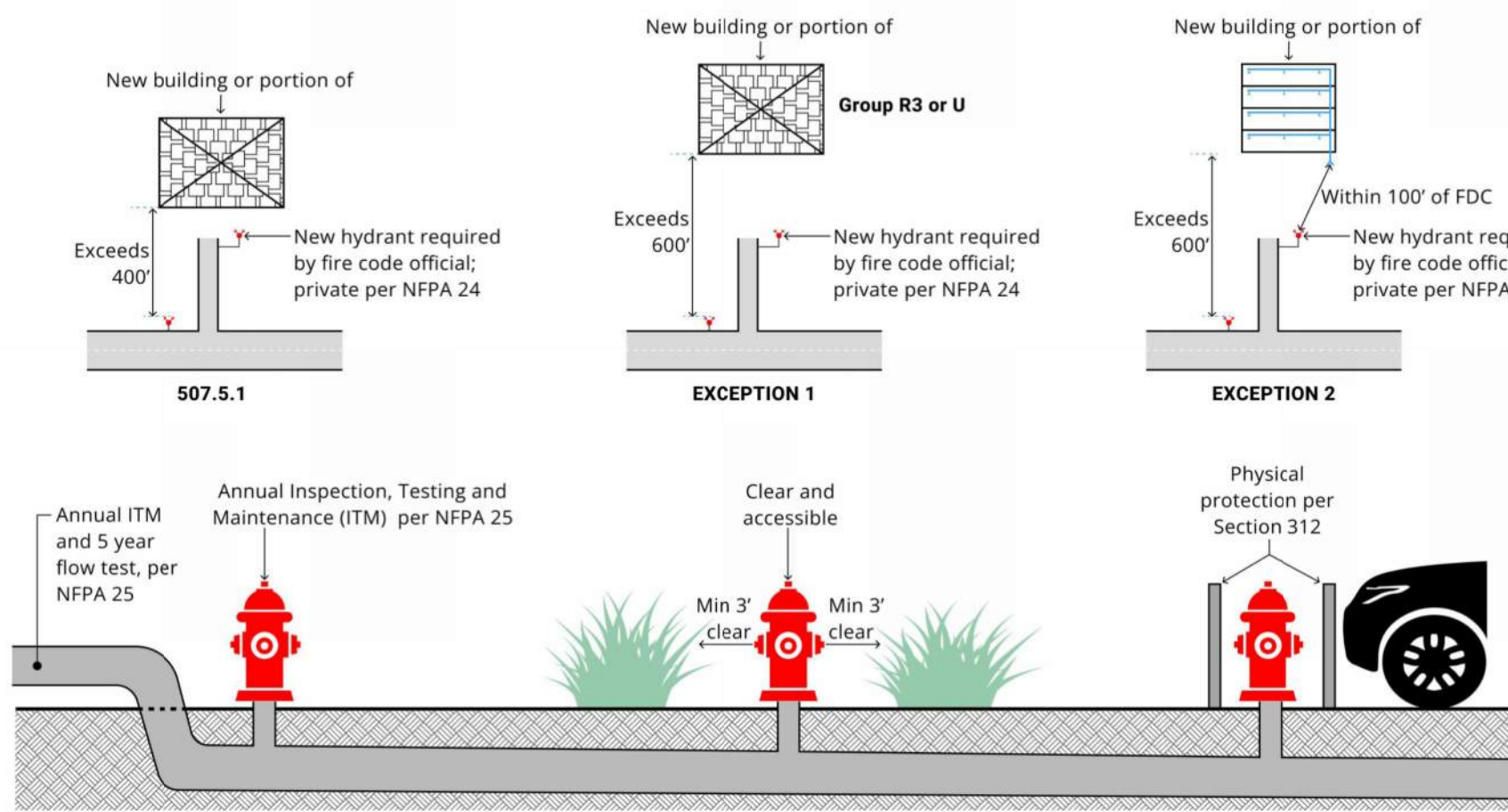
(Ord. 2015-95. Passed 7-2-15.)

1371.05 EXCEPTIONS.

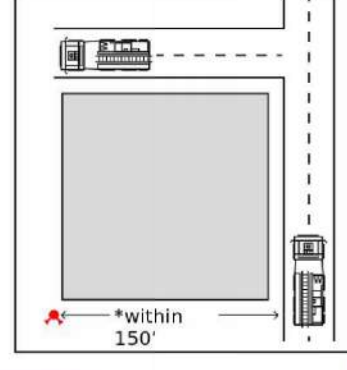
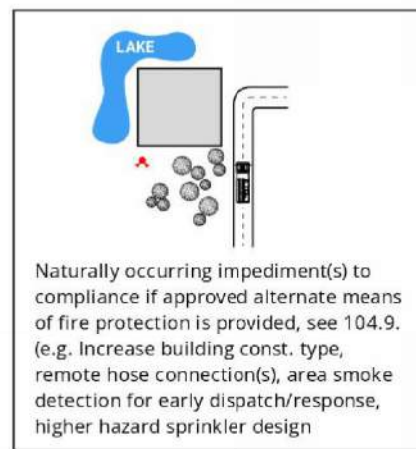
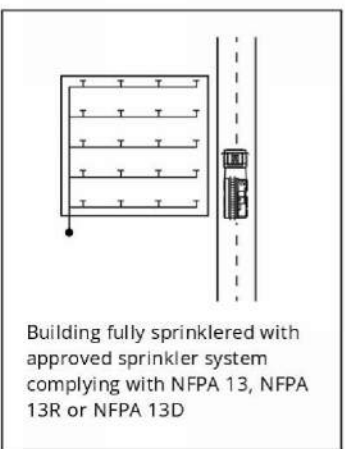
Any structure containing 500 square feet of floor space or less, which is built in accordance with these Codified Ordinances and which is set apart fifty feet or more from any other structure or property line, and all one and two family dwellings and accessory uses, shall be exempt from the provisions of this chapter.
(Ord. 2001-194. Passed 1-3-02.)



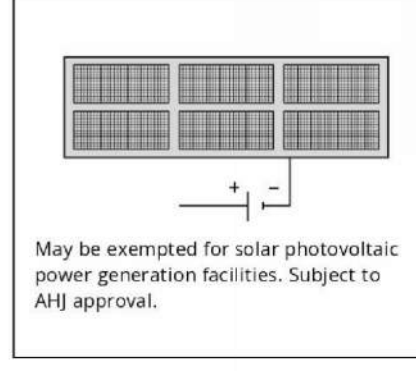
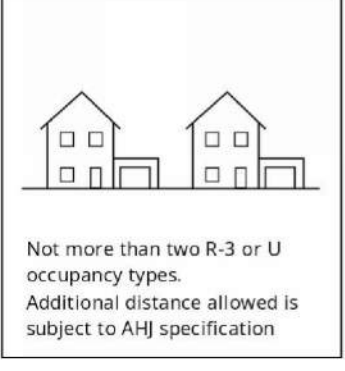
SD - ARCH SITE PLAN -
Fire Protection Fire -
Dependent 1
N.T.S.



*Path measured along normal route(s) of travel sufficient to pull/lay fire hose. Suggestion: Use min 36" unobstructed path. Distance may be increased if...



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