

# FIRE DEPARTMENT EMERGENCY RESPONSE VEHICLE ACCESS AND WATER SUPPLY WORKSHEET

THIS SECTION IS MEANT TO SERVE AS INFORMATION IN THE COMPLETION OF THE WORKSHEET

Residential, Commercial, and Agricultural structures SHALL provide reliable water and sufficient access to responding emergency vehicles. This code requirement falls under the Authority Having Jurisdiction (AHJ) being the Fire Department (FD) which has the heaviest and longest emergency response vehicles. Fire Safety & Life Safety is afforded to all within the State of Oregon, and FD Access & Water Supply is the minimal standard before any project begins. Access and Water Supply is required **during** the Land Development stage and addressed **before** designing the site and structure. The Fire Department has weight, length, height, width, and elevation requirements for their vehicles.

Water is the tool of choice for fighting fires. Firefighters require a reliable source of water for firefighting activities that protect them from fire, support life rescue operations, minimize property losses, and protects the community from fire spread. Reliable water sources are normally in the form of fire hydrants; however, some projects are outside of a municipal water grid. In support of allowing structures out of reach from the grid, the fire department allows for a source of water to be established on the property to supply the firefighters and equipment, for a minimum amount of time, based upon the location and size of the fire area. Well water can be used to supply the amount of water required even though their gallons per minute is insufficient to supply firefighting equipment directly.

**This water supply is required for the entire life of the structure, or until a reliable water source or grid becomes available near-by.**

All projects receive an access and water supply review, in which requirements may be made by the local Fire Authority. Alternate methods and materials (AM&M) may be submitted to the local Fire Authority for consideration. AM&M's for lots created on or after July 2, 2001 will require the Building Official's approval during building permit plans review. Make sure all AM&M's effecting the building plans are reflected accurately and included in the building design. Any changes to the project after the plans review has been completed must be resubmitted and reviewed for compliance and approval.

When filling out the worksheet, please be thorough with the requested information as the information will aid the local Fire Authority in the access and water supply review of the project. Each project is reviewed independently and is in no way precedent-setting on future projects. Please consult your local Fire Authority if you have any questions. Please include the following documents with this worksheet:

- A site plan that clearly identifies road width and segment lengths (as applicable), grades, turnout(s) as applicable, turnaround as applicable, and location of any bridge/culvert.
- A floor plan for the dwelling indicating total sq. ft. of living area, covered porch(es) or deck(s), attached garage/shop, attic/basement, etc. If using a separation wall, indicate proposed location(s) and specifications.

## LINN-BENTON FIRE PROTECTION GUIDE:

<https://www.philomathfire.com/files/3d01309ce/Access+Water+Supply+Worksheet+20230316.pdf>

## FIRE AUTHORITY NOTES/CONDITIONS:



Building Department Use Only

Permit number: \_\_\_\_\_

Date: \_\_\_\_\_

LINN-BENTON FIRE AUTHORITY

# ACCESS AND WATER SUPPLY WORKSHEET

### APPLICANT INFORMATION

NAME: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

### PERMIT INFORMATION

TAX LOT NUMBER: \_\_\_\_\_

PROJECT ADDRESS: \_\_\_\_\_

**Fire Area**-The total area that can be affected by fire. Fire Area includes: living space, covered porches and decks, attached garage/shop, and basement and/or attic space if capable of storage or future living area.

### NEW CONSTRUCTION N/A

LIVING AREA: \_\_\_\_\_ SQFT

COVERED PORCH OR DECK: \_\_\_\_\_ SQFT

GARAGE/SHOP (ATTACHED): \_\_\_\_\_ SQFT

OTHER SPACE (ATTIC/BASEMENT): \_\_\_\_\_ SQFT

TOTAL FIRE AREA: \_\_\_\_\_ SQFT

### ADDITION/REMODEL N/A

EXISTING FIRE AREA: \_\_\_\_\_ SQFT

NEW LIVING AREA: \_\_\_\_\_ SQFT

NEW COVERED PORCH OR DECK: \_\_\_\_\_ SQFT

NEW GARAGE/SHOP (ATTACHED): \_\_\_\_\_ SQFT

NEW OTHER SPACE (ATTIC/BASEMENT): \_\_\_\_\_ SQFT

UPDATED FIRE AREA: \_\_\_\_\_ SQFT

### ACCESS

NUMBER OF BUILDINGS ON ACCESS: \_\_\_\_\_

APPROACH IS 8 PERCENT OR LESS YES  NO

WIDTH: \_\_\_\_\_ FT (MIN PER AHJ: \_\_\_\_\_ FT)

LENGTH: \_\_\_\_\_ FT HEIGHT: \_\_\_\_\_ FT

GRADE: \_\_\_\_\_ % (As measured at 25' increments)

TURN OUTS REQD (>400')? YES  NO

75,000 # LOAD?  ROCK?  PAVED?

TURN AROUND WITHIN 50FT OF THE BUILDING

YES  NO  N/A

TURN AROUND DESIGN

Y  T  MOD T  CULDESAC  LOOP

IS THERE A BRIDGE OR CULVERT WITHIN THE ACCESS?

NO  YES  Oregon Engineer #: \_\_\_\_\_

### WATER SUPPLY

**Building Construction Type**-The type of framing or support members

**Building Construction Types:**

1-Fire Resistive 2-Non-Combustible

3-Ordinary (Masonry) 4-Heavy Timber

5-Wood Framed (Typical Residential Home)

BUILDING CONSTRUCTION TYPE: \_\_\_\_\_

OTHER BUILDINGS CLOSER THAN 50FT? YES  NO

IF YES: USE? \_\_\_\_\_ CU FT: \_\_\_\_\_

BUILDING HEIGHT TO THE PEAK: \_\_\_\_\_ FT

BUILDING HEIGHT TO THE EAVES: \_\_\_\_\_ FT.

CEILING HEIGHT: \_\_\_\_\_ FT. ATTIC HEIGHT: \_\_\_\_\_ FT.

ATTIC TYPE: STANDARD  GAMBREL/MANSARD

RESIDENTIAL FIRE SPRINKLERS PROPOSED IN BUILDING

PLAN? YES  NO

### FIRE AUTHORITY USE ONLY

RECEIVED: \_\_\_\_\_ SITE VISIT? \_\_\_\_\_ 1142 CALCULATED GALLONS: \_\_\_\_\_

AM&M: YES  NO  CONDITIONAL: YES  NO  FIRE AUTHORITY SIGNATURE: \_\_\_\_\_