



FIRE CONSTRUCTION PERMIT SUBMITTAL CHECKLIST

SERVING THE CITIES OF LAKE STEVENS, MILL CREEK, MONROE AND SULTAN

FIRE PUMPS AND RELATED EQUIPMENT

PROJECT INFORMATION

Site address:	Associated Permits:
Project Name / Tenant:	Property Owner:

Electronic file standards

File naming standard: Electronic plans and documents shall be named as specified in bold type under “permitting requirements”. For example, the seating plan must be named “Seating Plan”.

Acceptable file types: Plans, calculations, specifications and supporting documents shall be uploaded as a PDF file.

Document Orientation: All plans must be uploaded in “Landscape” format in the horizontal position. All other documents can be in “Portrait” format.

CODE EDITIONS

- 2018 Washington State Fire and Building Code, 2016 NFPA 20 and as applicable - Lake Stevens Municipal Code 14.84, Monroe Municipal code 15.04.110, Mill Creek Municipal Code 15.04.120 and Sultan 15.05.

PERMITTING REQUIREMENTS

A Fire Construction Permit is required to install or modification to ***Fire pumps and related fuel tanks, jockey pumps, controllers and generators*** required by Section 105.7.8 of the 2018 Washington State Fire Code and local code amendments. **The following information is required at time of application for the Fire Construction Permit.**

- Completed Fire Construction permit submittal application
- Completed “Fire pumps and related equipment submittal checklist”
- Plans
- Manufacturer’s cut sheets for all equipment, pumps, controllers, generators.

PLANS

The following is a list of information required on all plan submittals for review of a “Fire pumps and related equipment” permit application. The plan shall be drawn to 1/8”=1’-0” minimum scale. The applicant is required to submit all of this information so an accurate and timely review may be done:

References – 2016 NFPA 20, 2018 Washington State Fire Code

PLAN REQUIREMENTS:

- A complete plan and detailed data describing pump, driver, controller, power supply, fittings, suction and discharge connections, and liquid supply conditions shall be prepared for review.
- Plans shall be drawn to an indicated scale, electronically submitted in PDF format and as a minimum consist of the following items:
 - Name(s) of owner and occupant
 - Location, including street address
 - Point of compass
 - Name and address of installing contractor
 - Pump make and model number
 - Pump rating - _____ GPM@_____ PSI _____ RPM
 - Suction main size, length, location, type and class/schedule of material, and point of connection to water supply, as well as depth to top of pipe below grade
 - Water storage tank, if applicable
 - Size and type of valves, regulators, meters, and valve pits, if applicable
 - Water supply information including the following flow test information, if applicable:
 - Location and elevation of static and residual test gauge with relation to the elevation reference point
 - Flow location
 - Static pressure, psi (bar)
 - Residual pressure, psi (bar)
 - Flow, gpm (L/min)
 - Date

- Time
 - Name of person who conducted the test or supplied the information
 - Other sources of water supply, with pressure or elevation
- Pump driver details including manufacturer and horsepower
- Voltage for electric motor-driven pumps
- Fuel system details for diesel-driven pumps
- Controller manufacturer, type, and rating
- Suction and discharge pipe, fitting, and valve types
- Test connection piping and valves
- Flow meter details, if applicable
- Pressure maintenance pump and controller arrangement including sensing line details, if applicable
- Floor plan showing location of pump room and all equipment
- Identification of all circuits supplying fire pumps, and the survivability of the circuits shown 2018 WSFC 913.2.2