Scheduling Plumbing Plan Review and Checklist for General Plumbing Plan Review

Summary Sheet

Check all that are applicable: Plan Type: ☐ New ☐ Permission to start ☐ Addition/Alteration ☐ Revision to Previously Approved plan where approved construction has not been completed ☐ Extension to an approved plan

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☐ Building Drain & Vent, Sanitary*
☐ Building Drain & Vent, Storm*
☐ Building Sewer, Sanitary*
☐ Building Sewer, Storm*
☐ Campground/Recreational Vehicle Park Drainage System, Sanitary
☐ Campground/Recreational Vehicle Park Drainage System, Storm
☐ Campground/Recreational Vehicle Park Water Supply System
☐ Car Wash Interceptor
☐ Chemical Waste System
☐ Controlled Roof Drain Engineered System
☐ Drainage System, Storm
☐ Exterior Containment Tank
☐ Exterior Cross Connection Control Assembly, Health Care
☐ Exterior Grease Interceptor
☐ Exterior mixed wastewater treatment device
☐ Exterior Non-Potable Water System
☐ Exterior Oil Interceptor
☐ Exterior Potable Water Tank
☐ Exterior Wastewater Treatment Device, Storm
☐ Garage Catch Basin
☐ Interior Containment Tank
☐ Interior Cross Connection Control Assembly, Health Care
☐ Interior Grease Interceptor
☐ Interior Mixed Wastewater Treatment Device
☐ Interior Non-Potable Water System
☐ Interior Oil Interceptor
☐ Interior Potable Water Tank
☐ Interior Wastewater Treatment Device
☐ Manufactured Home Community Water Supply System
☐ Multipurpose Piping System
☐ Private Interceptor Main Sewer, Sanitary*
☐ Private Interceptor Main Sewer, Storm*
☐ Private Water Main*
☐ Provent Engineered System
☐ Pure Water System
☐ Regulated Contaminant Water Treatment – Arsenic
☐ Regulated Contaminant Water Treatment – Bacteria
☐ Regulated Contaminant Water Treatment – Nitrate
☐ Regulated Contaminant Water Treatment – Other
☐ Regulated Contaminant Water Treatment – Radium
☐ Sanitary Dump Station
☐ Siphonic Roof Drain Engineered System
☐ Sovent Engineered System
☐ Storm Detention System
☐ Storm Subsurface Infiltration Plumbing
☐ Water Distribution System*
☐ Water Reuse – Blackwater
☐ Water Reuse - Clearwater
☐ Water Reuse – Graywater
☐ Water Reuse – Stormwater
☐ Water Service*
☐ Water Treatment – .5 Chlorine
☐ Water Treatment – Chloramine
☐ Water Treatment – Chlorine Dioxide
☐ Water Treatment – Silver/Copper
☐ Water Treatment – Thermal
☐ Water Treatment – Ultrafiltration
☐ Water Treatment – Ultraviolet System
☐ Alternate Vacuum Waste System

** Permission to Start is acceptable for this plumbing equipment only. See Section 3 for more information.*

Section 2. PLAN SUBMITTAL REQUIREMENTS.

PLAN SUBMITALL SHALL INCLUDE THE FOLLOWING IN ACCORDANCE WITH CODE SECTION SPS 382.20.

A complete set of plumbing plans and specifications. Incomplete submittals will be rejected. **Please check the boxes below to ensure your plan submittal is complete**.

Plans shall be legible and pertinent to only plumbing installations. Plans are required to be submitted in a single PDF. All supporting documents shall be provided under "submit additional documentation" (in the eSLA dashboard). Plan documents shall be submitted in the order of the following checklist:

1. ☐ Plan Index.
2. ☐ Plot/site plan showing size and pitch of sanitary sewer(s), storm sewer(s) and water service(s).
3. ☐ Exterior storm, submit appropriate architectural roof drainage plans, site grade run off plans and contour lines showing what is drained to the plumbing system. Show all pipe sizes and discharge rates after every inlet. Refer to storm checklist at: https://dsps.wi.gov/Documents/Programs/Plumbing/SBD10884.pdf
4. ☐ Floor plan showing horizontal drains, water distribution lines, and all fixtures and equipment to be installed.
5. ☐ 30/60 isometric diagrams of the drain, vent, water distribution, interior and exterior storm systems. Indicate water supply, drainage fixture units, and storm area drainage with gpm loads with each change in pipe diameter.

6. ☐ Complete water calculations in accord with SPS 382.40 (7). Water calculations must be submitted separately from the plan documents. Links below for instructions and form.
   https://dsps.wi.gov/Documents/Programs/Plumbing/SBD6479Instructions.pdf
   https://dsps.wi.gov/Documents/Programs/Plumbing/SBD6479.pdf
7. ☐ Complete storm drain sizing calculations in accordance with SPS 382.36 (5). Storm drain sizing calculations must be submitted separately from the plan documents.
8. ☐ Remodeling or additions shall include existing loads.
9. ☐ All plans must be properly signed per SPS 382.20 (4)(c).
10. ☐ For water re-use submittals include information requested in the product approval.
11. ☐ List fixture and plumbing appliance manufacturers, and model numbers.
12. ☐ Cut sheets or shop drawings of all fixtures and health care appliances located within a health care facility
    Provide product approval letters for each health care appliance - https://esla.wi.gov/publiclookup
13. ☐ Fixtures which require water or waste connections may need product approval.
14. ☐ Complete sizing calculations for all grease interceptors.
15. ☐ Identify specific materials for installations as listed in SPS 384
16. ☐ Summary sheet **(this form)**.

*** Note *** Interior Cross Connection Control Assembly, Non-Health Care and Exterior Cross Connection Control Assembly, Non-Health Care Devices and Assemblies are no longer included in plumbing plan review submittals. These Devices and Assemblies are required to be registered and tested and submitted to the Department per SPS 382.21(8).

☐ **Submitter acknowledges that the submittal is complete**.

☐ **Submitter acknowledges that any additional information requested to complete review will be received by the Department within five (5) business days or the plan is subject to denial.**

_____ _____
Applicant's Signature Date

See Next Page for Section 4, Optional Sizing of Water Supply Piping Using the IAPMO Water Demand Calculator.

Section 4. OPTIONAL SIZING OF WATER SUPPLY PIPING USING THE IAPMO WATER DEMAND CALCULATOR (WDC)
For additional information, see Alternate Approval at:
https://dsps.my.salesforce.com/sfc/p/#t0000000LAz5/a/8y0000048oKn/m0FUOHpgFK6kXQLZXxhwfILwU1gxhRZlipGbJbuYaL8

As the applicant, I request to use the *IAMPO Water Demand Calculator v. 2.1* for sizing the water supply piping in accordance with s. SPS 382.40(7) outlined in the alternate approval. I understand this alternate standard provides a method for estimating the demand load for the building water supply and principal branches for one- and two-family dwellings as specified in s. SPS 320.02(1)(a), (ce), (cm), or (cs) Wis. Adm. Code and nonpublic multiple dwellings, as defined by s. SPS 381.01(155) and (162) Wis. Adm. Code, with water conserving plumbing fixtures, fixture fittings and appliances.

Water supply piping shall be sized and installed in strict accordance with *IAMPO Water Demand Calculator v. 2.1*, Chapters 381-386 Wis. Adm. Code and the alternate approval.

The applicant acknowledges the following items:

1. ☐ Review and include a copy of the DSPS approval PP-031603529-PTOAA letter with the IAPMO WDC submittal.
2. ☐ Provide verbiage for a sign or posting with permanent tagging at the building control valve and water heater control valve to identify the specific IAPMO Water Demand Calculator Sizing system.
3. ☐ Provide IAPMO WDC calculations for each piece of distribution piping using the IAPMO WDC sizing method.
4. ☐ All piping sized using the IAPMO WDC alternative standard shall display bold, underlined and italicized GPM loads on the isometric plan sheets.
5. ☐ WSFUs shall not be combined with WDC GPM's (mains or vertical risers); therefore, provide actual fixture GPMs loads for each non WDC fixture, if adding to the WDC method distribution system. Separate water distribution piping systems may use Wis Code SPS 382.40(7) WSFU's provided they are connected upstream of the beginning of any IAMPO WDC system method sizing piping.
6. ☐ Water distribution piping ½" or ¾" in diameter serving plumbing fixtures shall not have a load greater than those assessed per pressure available for uniform loss ("A" value) in Tables SPS 382.40 4-11 Wis. Adm. Code and tables for ASTM D1785 and ASTM F441 in the appendix.
7. ☐ All fixtures and replacement fixtures shall be at or below the designed fixture flow rates and shall be Energy Star rated for the IAPMO Water Demand Calculator Sizing system. Provide fixture cut sheets with low flow & energy star certification with the IAPMO submittal.

_____ _____
Applicant's Signature Date