



Puget Sound Energy
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Attachment A-1 – Project Design Details

- All pipes will operate at a hoop stress below 20 percent SMYS at an operating pressure of 490 psig. This equates to a design factor of 0.20 which exceeds the 0.40 factor for a Class 4 location. All rated fittings will be designed with a minimum part rating of 500 psig.
- PSE will meet or exceed the requirements for a Class 4 location for all design and construction specifications.
- Weld inspection will be performed in accordance with section f of paragraph 7.
- All new piping will be tested at a minimum test pressure of 750 psig (1.5 times the MAOP).
- One commercial structure exists within 100 ft (approximately 86 ft.) of the 12” inlet piping to the I-5 limit station that was not included in the structure survey performed in 2015. This commercial building is Edwards Memorial Center and is located at 11020 South Tacoma Way. PSE plans to meet directly with this property owner prior to construction. This property is shown on the I-5 Limit Station Inlet/Outlet piping detail on Attachment A-2.
- The I-5 limit station will include a riser for a future pig receiver within the station footprint.
- In addition to the tie-over piping, PSE will install a riser for a future pig launcher within the existing Clover Creek station footprint.
- RS-2619 will be retired by cutting out and replacing the segment of 12” main containing the branch connection for RS-2619 with a pretested assembly. The replacement segment will include a new 12” branch valve for potential connection of a future 12” main extension.