



# Training Course Outline

**Prerequisite:** Introduction to Civil 3D course or equivalent experience or instructor approval required.

**Course Fee:** \$425

**Course Length:** 1 day

**Register:** For upcoming dates and times, please call our training coordinator at 800.247.1927 or view our training calendar at [www.thePPIgroup.com/training.html](http://www.thePPIgroup.com/training.html)

We have two locations to serve you:

**Portland Office:**  
503.231.1576 | 800.247.1927

**Seattle Office:**  
425.251.9722 | 800.558.5368

## Advanced AutoCAD® Civil 3D: Piping Design

*The PPI Group's Advanced Civil 3D for Piping Design class will teach the student how to take advantage of the piping features available in AutoCAD Civil 3D. Students will learn how to modify parts using Partbuilder, apply pipe rules, create and modify pipe designs, and perform a hydraulic analysis of the pipe network in both a custom spreadsheet and in the Hydraflow Storm Sewers Extension through a series of instruction and hands-on exercises.*

### Topics Covered:

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| <ul style="list-style-type: none"> <li>• Reviews of profiles and building surfaces and corridors</li> <li>• Modifying a part in Partbuilder</li> <li>• Adding a modified to part list</li> <li>• Creating a custom part list to use in design within a plan</li> <li>• Modifying pipe design</li> <li>• Creating parts in a profile</li> </ul> | <ul style="list-style-type: none"> <li>• Creating custom hydraulic expressions</li> <li>• Creating pipe label styles</li> <li>• Creating pipe styles</li> <li>• Applying styles to plan and profile</li> <li>• Workflow-Civil 3D to Hydraflow Storm Sewers Extension</li> <li>• Workflow-Civil 3D to a spreadsheet via LandXML Schema</li> </ul> |
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### Training with PPI.

- Gets you productive quicker. Our experienced instructors have, on average, over 12 years experience in the AutoCAD® support industry.
- Gets you access to full size state-of-the-art Autodesk® Authorized Training Centers.
- Gets you free and ample parking at both locations.
- Provides you with qualified PDH (Professional Development Hours) for Engineers & Land Surveyors, as well as AIA CES Learning Units for Architects.

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