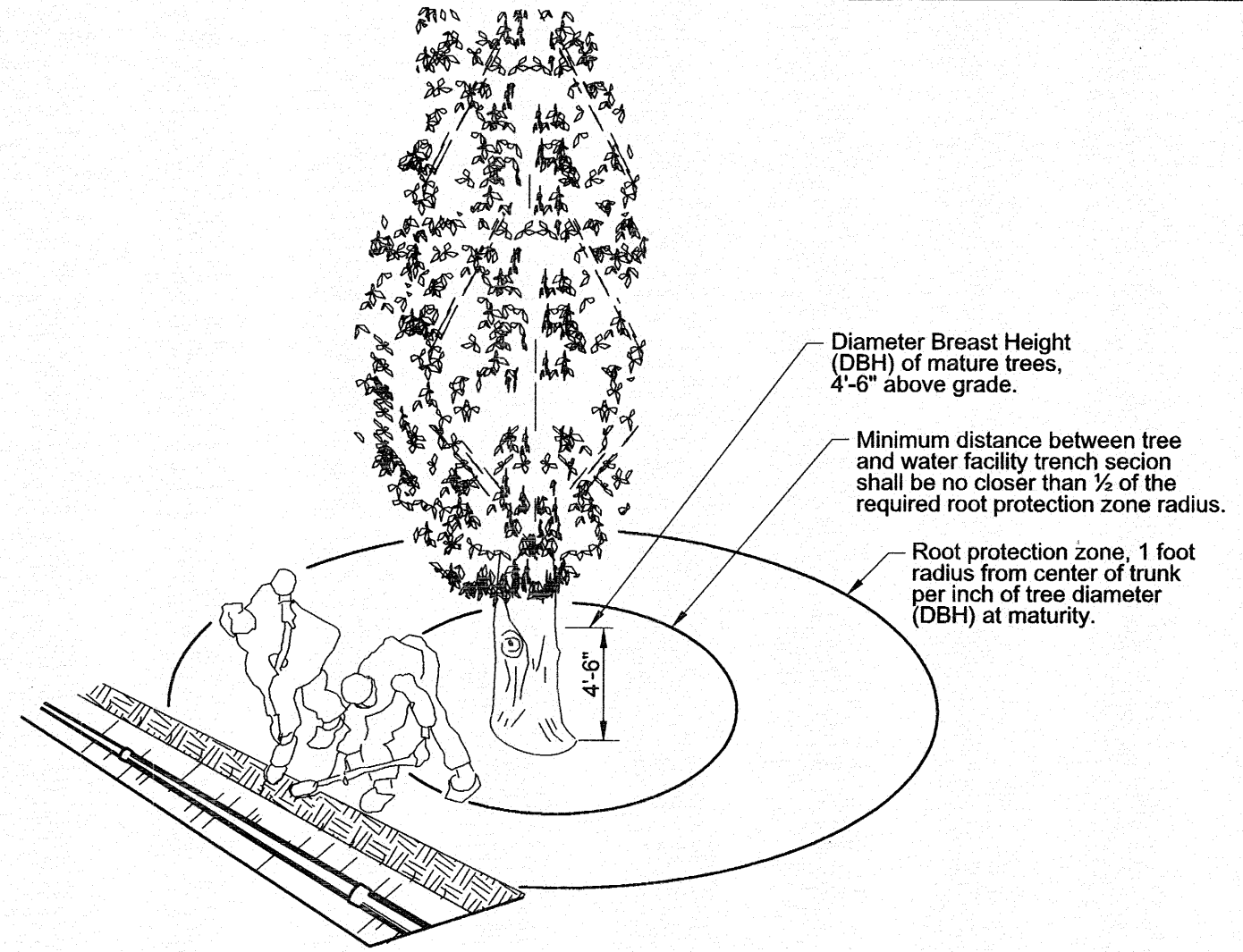
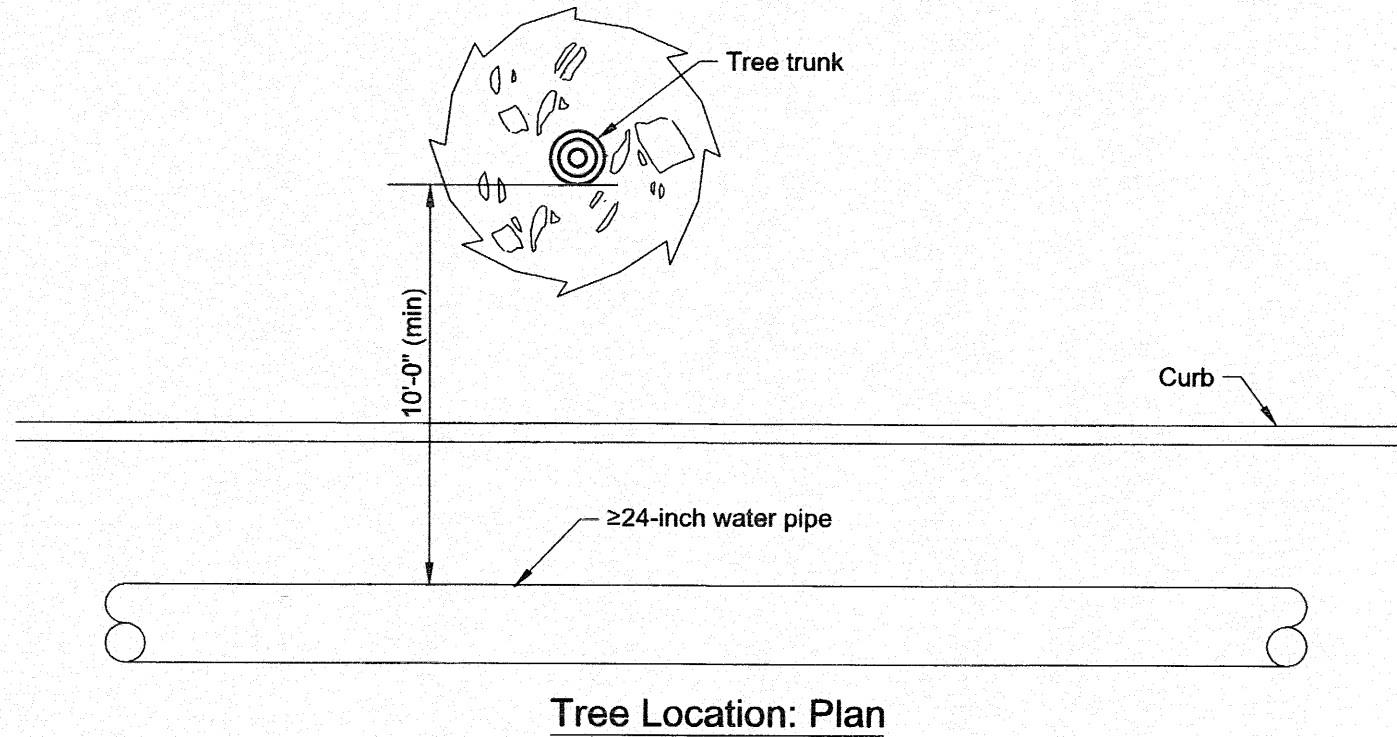

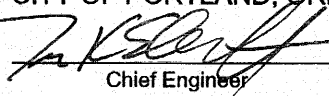


Plot Date: 3/28/2016 1:57:50 PM File Name: J:\Engineering\CAD\Standards\Working_Details\Misc\P-846_Tree_Root_Clearance.dgn



Note:

1. Trees must be a minimum of 10 feet from the nearest edge of ≥24-inch water pipe.
2. Tree selection must be approved by the City Forester.
3. Trees to be planted 10 feet from any ≥24-inch water pipe must be a species expected not to exceed 12-inch diameter breast height (DBH) at maturity. Trees expected to be greater than 12-inch DBH at maturity shall be planted a minimum distance of 1/2 the root protection zone from the ≥24-inch water pipe trench section. The root protection zone is 1 foot radius from the center of the tree trunk per inch of the tree diameter (DBH) at maturity. See Detail 1, Tree to Trench Distance.
4. The 24-inch pipe trench section is outside pipe diameter plus 24-inches, and the pipe trench section for pipe size >24-inches is outside diameter plus 48-inches.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.	 PORTLAND WATER BUREAU CITY OF PORTLAND, OREGON  Chief Engineer	
	Standard Drawing Title Tree Planting Clearance Water Facility Pipe ≥ 24-inch Diameter	
Note: All material and workmanship shall be in accordance with City of Portland Standard Construction Specifications.	Effective Date <i>MAR 28, 2016</i>	Standard Drawing No. P-846
	Calc. Book No. <i>PW13 1</i>	
	Baseline Report Date <i>MAR 28, 2016</i>	