

Memorandum

Date: September 17, 2012

Prepared for: Eric Day, City of Lake Oswego

Subject: Lake Oswego-Tigard Pipeline Land Use Clarifications

From: Pete Oveson – PMT Pipelines Design Lead

The following memo provides answers to questions identified by West Linn Planning Department Staff in regards to the Lake Oswego-Tigard Water Partnership Pipelines Land Use Application.

Question: What steps have been taken to coordinate with utility providers along the Raw Water Pipeline (RWP) and Finished Water Pipeline (FWP) alignment through West Linn?

Response:

Brown and Caldwell held initial in-person and phone meetings with various utility agencies that were identified to have facilities along the alignment (see Table 1). These meetings took place in 2010 as part of the Project Definition phase. Initial meetings were held to provide a brief overview of the project alignment, to discuss any possible utility conflicts, and to request as-built information.

Furthermore, Kennedy/Jenks consultants (the contracted design consultant responsible for pipeline design) conducted a second round of communication with utilities via utility letters. Letters were sent out to all identified agencies as listed below in Table 2 in December 2011 and January 2012. The intent of the letter was to provide background information of the project and request additional data from each respective utility agency. The initial letter included project drawings with the proposed pipeline alignment at the time the letter was sent out as an attachment for reference. The initial data request included providing a copy of mapping/as-builts of their existing facilities located within the project alignments or marking up the enclosed drawings to accurately reflect the location of their facilities. Kennedy/Jenks followed up with phone calls to the non-responsive utility agencies; a contact/correspondence log is kept to document interaction with each utility. Further coordination with Northwest Natural was conducted to coordinate field verification (potholing) of their utility in June 2012. Kennedy/Jenks will continue to coordinate through written correspondence with each respective utility agency that will need to relocate facilities.

Table 1. Initial Utility Meetings.

Utility	Meeting Type
American Tower – Phone conversation	Phone
Century Link Qwest Communications – Meeting	In-Person
Comcast - Meeting	In-Person
Integra Telecom - Phone	Phone
Northwest Natural - Meeting	In-Person
ODOT Region – Several Meetings	In-Person
PGE (Portland General Electric) - Meeting	In-Person
Portland and Western Railroad, Inc. – Phone Conversation	Phone
Sprint Telecom – Phone	Phone
Verizon Telecom – Meeting	In-Person
XO Communications - Phone	Phone

Table 2. Utility Letter Coordination List.

American Tower
Century Link Qwest Communications
Clearwire Property Services
Comcast #1
Comcast #2
Crown Castle
Integra Telecom
Northwest Natural (East side of Willamette)
Northwest Natural (West side of Willamette)
Oak Lodge Sanitary District
Oak Lodge Water District
ODOT Region 1
Palatine Hill Water District
PGE (Portland General Electric)
Portland and Western Railroad, Inc.
Sprint Long Distance
Sprint Wireless
Sprint Wireless Erickson Contractor
Verizon Business Service
Verizon Landline
XO Communications

Question: What steps will be taken if any utilities are identified as needing to be relocated in the field?

Response:

The pipeline design team has identified all utilities along the RWP and FWP routes via traditional methods of obtaining as-built information and obtaining surveying field locates. Subsequent investigation will include extensive potholing to identify any utilities that may need to be relocated that had not been identified through the as-built and field location process. By doing this initial up-front work, the design team will minimize the number of unforeseen utility relocations needed during the construction phase. If relocations are identified, the design team will work closely with the owner of the facility and the City of West Linn to determine a proper location for the utility to be reinstated at that time.

In the event that an unforeseen utility conflict is discovered during the design phase of construction, the contractor will not be allowed to continue until a suitable solution is agreed upon by the facility owner and City of West Linn. The general steps to resolving a utility conflict in the field are as follows:

1. The construction contractor or construction manager identifies the utility and communicates the issue to the design engineer and owner of the utility.
2. The design engineer or utility owner will propose a solution for approval to the City of West Linn.
3. The construction contractor or private utility owner relocates the utility per the agreed solution.