

8 May 2012

## **RWP Task No. 2.19 Technical Memorandum**

To: Joel Komarek and Dave Prock, City of Lake Oswego

From: Aaron Eder, P.E., Kennedy/Jenks Consultants

Subject: Lake Oswego Raw Water Pipeline (RWP) and Finished Water Pipeline (FWP) – City of West Linn Grading  
K/J 1191016.10

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The purpose of this memorandum is to address grading plan requirements under the City of West Linn Community Development Code (CDC), Chapter 55 - Design Review, Section 55.130 - Grading Plan. Figures 15 through 25 (prepared at a scale of 1"=30') have been prepared to address this section.

CDC Section 55.130-A requires that the plans show the location and extent to which grading will take place indicating general contour lines, slope ratios, slope stabilization proposals, and location and height of retaining walls, if proposed. Figures 15 through 25 show existing contours. Mapleton Drive and the horizontal directional drilling (HDD) entry site on Oregon Parks and Recreation Department (OPRD) property will be restored to their original condition. As such, there is no permanent change to existing grades/contours proposed with this project. There is no slope stabilization or retaining walls currently proposed for this project.

CDC Section 55.130-B requires plans and statements to demonstrate the ability of the project to meet Appendix 33 requirements of the Uniform Building Code. Figures 15 through 25 contain the following statement to address this requirement:

Federal, state, and local rules and regulations to control excavation, grading, and earthwork construction shall be adhered to in order to protect life, limb, property, and the public welfare. The testing standards identified in appendix 33 of the current version of the uniform building code shall be followed during construction. Erosion control and grading permits shall be acquired, as appropriate and required, prior to construction. The guidelines regarding cuts, fills, setbacks, drainage and terracing, and erosion control, as identified in appendix 33 of the current version of the uniform building code shall be followed during construction.

CDC Section 55.130-C requires that the plans and statement above be prepared by a registered civil engineer. Figures 15 through 25 were prepared by Aaron Eder, P.E., a licensed civil engineer in the State of Oregon. CDC Section 55.130-C also requires that the statement above be supported by factual data that clearly shows that there will be no adverse impacts from increased intensity of runoff off site, or that the plan and statement identify all off-site impacts and measures to mitigate those impacts. The plan and statement shall, at a minimum, determine the off-site impacts from a 10-year storm. As previously stated, Mapleton Drive and the HDD entry site on OPRD property will be restored to their original condition. As such, there is no permanent change to existing grades/contours proposed with this project, and there will be no adverse impacts from increased intensity of runoff from the site.

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CDC Section 55.130-D indicates that storm detention and treatment plans may be required. As presented in Technical Memorandum 2.19 - City of West Linn Stormwater Management, utility projects such as this are exempt from the City's stormwater detention and treatment requirements.

CDC Section 55.130-E requires that identification information, including the name and address of the owner, developer, project designer, and the project engineer be included. Figures 15 through 25 currently have the Owner's and Engineer's identification information. There is no developer, and the project designer and project engineer are in this case the same.

cc: Brad Moore, KJ Portland