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TO: Cities of South Bend and Raymond
FROM: Janet Cherry, P.E.
Jay Swift, P.E.
DATE: March 24, 2009
SUBJECT: Regional WWTP Pre-Design Technical Memo No. 17
— South Bend Conveyance for the Regional WWTP

Recent efforts on the South Bend pressure line design have been focused on the pressure line alignment between Pump Station 1 (PS1) and Pump Station 3 (PS3) in South Bend. Gray & Osborne staff, with assistance from the City of South Bend and Baldwin and Associates, have determined a preliminary route for the pressure line between PS1 and PS3. Maps of this preliminary route have been given to the City and a large-scale map will be provided at the March 26 RWCC meeting.

Right-of-way (ROW) along the pressure line alignment is currently being investigated. WSDOT maps dated 1970 show existing and proposed ROW along Highway 101 and WSDOT has yet to confirm if the proposed ROW has been obtained. WSDOT did confirm the following (telephone conversation with Ms. Lynn Chambers in the Vancouver office):

- The pressure line must have 5 feet of cover and be backfilled with CDF or other approved backfill material if located in the paved portion of Highway 101, including the shoulder and/or parking lane. WSDOT must review and approve the trench and backfill plans for the pressure line if located within the paved area of Highway 101 (including shoulder and/or parking lanes).
- WSDOT must review and approve all surface restoration plans if the paved area is disturbed.
- WSDOT must review and approve all traffic control plans along Highway 101.
- WSDOT must be notified at least two weeks prior to any construction along Highway 101 that will cause a travel lane to be closed.
- If construction occurs within the travel lane of Highway 101, the entire travel lane must be restored.
- The half bridge does have concrete panels on the north side (south bound lane).

Geotechnical engineers from HWA were on-site March 16 to conduct seven hand borings along the proposed pressure line alignment. Petroleum contamination was discovered in one hand boring (depth of approximately 3 feet) located in State ROW near the Port of Willapa's office. HWA will be back on site March 26 and 27 to determine the extent of

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the contamination within the pressure line route, in addition to characterizing the contamination. The Port of Willapa Harbor has been informed of this work.

Mr. Rob Freed, archaeologist, was on-site the week of March 16 to perform the cultural assessment along the pressure line route. The Resource Group was on-site the first week of February to complete a wetland delineation and assessment.

State Parks is scheduling a public hearing to receive comment on installation of the pressure line within State Park's ROW along the existing trail. The hearing will probably be late April, but the date has not been confirmed. Per discussion with Karl Heinicke, State Parks has discussed a 10-year fixed lease rate of \$3,000 per year for the pressure line, with annual lease increases of 3% per year thereafter.

Applied Professional Services were on-site March 19 and 20 to mark fiber optic locations along the proposed pressure line alignment. Gray & Osborne survey crew will be on-site the week of March 23 to collect utility locations.

Gray & Osborne will continue with design of the pressure line between PS1 and PS3 and will submit plans and specifications on this portion of the pressure line project to Department of Ecology on April 17.