

WTP Construction Update: Meeting Summary



Meeting number: 012

Date: Tuesday, February 18, 2014

Time: 6 p.m. – 7 p.m.

Location: Burgerville, 18350 Willamette Drive, West Linn

Facilitator: Eryn Kehe

Attendees: 25 treatment plant neighbors, one City of West Linn Councilor and one representative from the City of West Linn attended the meeting.

Project team staff:

Dennis Koellermeier – City of Tigard

Tom Lebo - Brown and Caldwell

Jane Heisler – City of Lake Oswego

Christian Colman – Slayden Construction Group

Katy Fulton – City of Lake Oswego

Ron Candell – Slayden Construction Group

I. Welcome & introductions

Eryn welcomed everyone to the meeting. Attendees introduced themselves, their roles or their locations in the neighborhood. Eryn outlined the agenda for the meeting.

City of West Linn Public Works representative, Lance Archer, briefly mentioned the West Linn water line which broke near 4410 Mapleton earlier that day. Lance indicated that the line was repaired by 2:15pm and water restored before the meeting. He also stated that below Trillium creek, services have been placed and the new line has been installed. Crews will now continue moving west of the creek on Mapleton towards Highway 43, replacing the line and services before moving onwards to Old River Drive.

Lance instructed attendees to call the Public Works department on 503-656-6081 or the West Linn Dispatch on 503-635-0238 for more information, or to speak directly with him after the meeting if they had questions.

II. Today's topics of interest

Eryn asked the attendees what topics they wished to discuss at the meeting. The brainstorm of topics included:

- 1) Sheet pile installation last week
- 2) Role of the ombudsman – who is fixing issues?
- 3) What is the notification protocol? It seems to be three types of notification and it is confusing and inconsistent.
- 4) Updates to the City of West Linn – how often are they provided, how are issues tracked and does it include resolutions to issues?
- 5) When is the LOT pipeline scheduled to start along Mapleton Drive?
- 6) Diesel fumes from the plant
- 7) Report of experiencing flooding in the backyard of some neighboring properties to the plant
- 8) Attitude of comments/questions
- 9) Location of the bi-monthly meetings – suggestion to relocate to Robinwood station
- 10) Celebrate the four days of peace experienced by neighbors when there was little construction activity occurring after the snow storm
- 11) Trucks driving to and from the site on Mapleton Drive and Kenthorpe Way
- 12) Will the road be repaved with or without sidewalks, and when will this be done?
- 13) Will the catch basin at the intersection of Mapleton Drive and Highway 43 be moved by the City of West Linn during water line work?

Discussion is included in Sections III-V below.

III. Three Week Look Ahead

Christian indicated that they are currently pouring concrete for slabs in the clearwell, and will continue this into March. This will also include placing the walls in the clearwell, finished water pump station and ballasted flocculation, including forming walls with wood panels from the storage yard on site. Neighbors can expect to see an increase in concrete trucks entering the plant on Mapleton and exiting on Kenthorpe.

This week, work will also continue on excavating for the gravity thickener, solids storage tank and chemical building. Once excavation is complete, the drill rig will begin installing auger cast piles for the foundations of these new structures.

Christian also provided an outline about the installation method for the vibratory sheet piling 'shoring' activity that occurred in early February. He stated that the work was to support the existing lagoon 3 wall from 'failing', and protect excavation for the new solids storage structure to be built.

The three week look ahead can be found [here](#).

IV. Updates on previous action items

Partnership staff provided the following updates on previous action items.

Item #	Date raised	Question or concern	Response or comment	Status
10.1	1/21/14	Request for map of new pipeline alignment through Lake Oswego	<i>Partnership staff is currently exploring options for the around the lake route. Response at 2/18 meeting: Partnership staff presented a map showing the previous alignment and the area in downtown Lake Oswego which is currently being investigated. Once a new alignment is confirmed, we will bring the final map.</i>	Closed 2/18
11.1	2/4/14	The shoulders of the road along Mapleton are muddy from truck traffic. Can you restore them?	<i>Staff will speak with the City of West Linn about this. Given that the West Linn pipeline construction will continue for another month, re-gravelling shoulders may not occur until after that time. Dennis will discuss this with West Linn staff. Update at 2/18 meeting: Dennis confirmed that the road would be improved and he would discuss this with West Linn staff.</i>	Closed 2/18
11.2	2/4/14	We won't be able to sell our homes after the large pipeline goes in due to vibration and noise from its operation. What will you do about that?	<i>Dennis Koellermeier stated that he has installed many pipelines and has never been able to hear the water, but they have been smaller than this pipeline. Dennis offered to find examples of similar sized pipes so that the attendee could visit them and listen to them. Update at 2/18 meeting: Dennis is investigating locations of similar sized pipes and will provide this to the attendee. (Provided on 2/25 to attendee)</i>	Open

V. Topics of interest discussion (from II, above) and action items

Questions and responses provided during the meeting are listed below. **Action items** are listed in the table below.

Question or concern	Response or comment
<p>What is causing the current vibration? (Report from attendee of doors rattling since the sheet piling activity) Is there an expectation that this will continue?</p>	<p><i>Christian responded that this could be from the movement of the 100 ton mobile crane, trucks and equipment arriving and leaving to haul away spoils or the recently resumed excavation for the solids storage tank area. He mentioned that the current work on site is fairly typical to activities that have occurred previously – excavation, pouring concrete, truck traffic, hauling and that excavation would continue for the next 10 days or so.</i></p>
<p>Is there an arrival date for the 2nd tower crane?</p>	<p><i>Christian indicated that crews would begin erecting the crane at the end of March (current schedule states March 25/26). Work over the next few weeks will be to prepare for the assembly by building the base structure.</i></p>
<p>How deep is the next stage of auger cast piles being drilled, and how many do you have to drill?</p>	<p><i>These are approximately drilled about 65 feet deep into the ground. Christian indicated that the next stage of auger cast drilling will be require fewer auger cast piles than the 250 in the clearwell (about 50-70 approximately).</i></p>
<p>What is on the flat bed trucks that are coming to the plant? They are large, oversized loads and can be intimidating</p>	<p><i>These are likely rebar (reinforced bar) deliveries. Rebar is being installed to support the base of all the new structures and rebar cages are installed during auger cast drilling.</i></p>
<p>How common is a tethered crane?</p>	<p><i>Christian stated that it is fairly common to tether a crane. He mentioned there is one tethered at OHSU to keep it clear of the helipad.</i></p>
<p>What is the role of the ombudsman – who is fixing issues, shouldn't this be someone unbiased?</p>	<p><i>Katy introduced herself to the attendees. Her role is citizen information specialist, and she works with Jane in the outreach team to distribute notifications, manage the hotline, respond to inquiries and coordinate responses.</i></p>
<p>What is the notification protocol? It seems to be three types of notification and it is confusing and inconsistent.</p>	<p><i>Katy described the notification methods in place for the project in West Linn include: providing email updates every three weeks to our distribution list, sending postcards to immediate neighbors when out of ordinary noisy work is scheduled, providing updates to the information kiosks at the plant and bi-monthly neighborhood meetings. The project hotline, email and website are also available.</i> <i>Katy mentioned that email notifications will now be distributed every two weeks vs. three weeks, to provide more updated information reflected in the construction schedule.</i></p>
<p>Updates to the City of West Linn – how often are they provided, how are issues tracked and does it include resolutions to issues? Who in West Linn receives them?</p>	<p><i>As a condition of approval, the Partnership provides monthly reports to the City of West Linn Planning Department on any inquiries reported on the hotline or emails, including the Partnership response and resolutions. Councilor Jones confirmed that the Planning Department also distributes these reports to the West Linn City Council.</i></p>
<p>Is there another location where you will need to install more “shoring”?</p>	<p><i>Yes, this may be at the end of Summer. Christian stated that Slayden is not sure yet what methods their engineers will recommend for this work.</i></p>
<p>Were there other options to use than the vibratory hammer to install the sheet pile shoring? Request that the project chooses future installation methods that won't cause such disruption</p>	<p><i>The other method to drive sheet piling is to use an impact hammer. The use of an “impact” hammer to drive the piles is prohibited by the project's conditions of approval, issued by the City of West Linn, as it tends to be more disruptive to neighbors.</i></p>

Was the City of West Linn aware or informed that this method was going to be used for shoring? When new methods are considered, the engineer should present something to the City.	<i>The project is operating within the conditions of approval issued by the City of West Linn. The use of an "impact" hammer to drive the piles is prohibited by the project's conditions of approval; the use of the vibratory installation approach is not prohibited by the conditions of approval.</i>
Do you have a study stating that there is no harm to people exposed to long periods of vibration?	<i>There may be studies regarding the effect of transient vibrations on human health, but we are not aware of any.</i>
Will the piles remain in place, or will you need to remove them using the same technique?	<i>Yes, the piles installed during early February will remain in place.</i>
When is the LOT pipeline scheduled to start along Mapleton Drive?	<i>The contract is currently out to bid, closing early March. The Partnership expects to have a contractor on board by April. Once they are on board, we will know more about exact start dates.</i>
Will the road be repaved with or without sidewalks and when will this be done?	<i>Dennis confirmed that Mapleton Drive will be repaved after the large pipeline is installed.</i>
What about people's landscaping that may be impacted during pipeline construction? Are you contacting them?	<i>Yes, the Partnership is working with neighbors where landscaping will be affected during construction.</i>
Report of smelling diesel fumes during the snow storm, earlier this month	<i>Christian mentioned this could be from some of the equipment starting up in the morning, but they have been trying to minimize idling of trucks. Please continue to report any incidences to the hotline.</i>
Report of experiencing flooding in the backyard of some neighboring properties to the plant	<i>The Partnership has received one report of flooding and Slayden is currently working on a solution to improve this.</i>

Some of the topics raised during the brainstorm were not discussed, as the meeting ended at 7 p.m. These included 8, 9, 10, 11 and 13. An attendee also submitted a list of questions on a piece of paper to Partnerships staff, regarding vibration-causing construction techniques. A response to these questions is being prepared.

Action Items List

Item #	Date raised	Question or concern	Response or comment	Status
12.1	2/18/14	Attendee submitted a list of questions regarding vibration-causing construction techniques.	<i>Partnership staff is currently preparing a response and will report back at the next meeting.</i>	Open
11.2	2/4/14	We won't be able to sell our homes after the large pipeline goes in due to vibration and noise from its operation. What will you do about that?	<i>Dennis Koellermeier stated that he has installed many pipelines and has never been able to hear the water, but they have been smaller than this pipeline. Dennis offered to find examples of similar sized pipes so that the attendee could visit them and listen to them. Update at 2/18 meeting: Dennis is investigating locations of similar sized pipes and will provide this to the attendee.</i>	Open

VI. Wrap up and next meeting

The next meeting will be held on **Tuesday, March 4, 2014 at 7:30 a.m.** at Burgerville, 18350 Willamette Drive, West Linn. Thank you to those who attended the meeting. Thank you to Burgerville for providing the meeting space, cookies and coffee.