

Meeting Summary

Neighborhood Construction Update Meeting – West Linn



Meeting number: 019

Date: Tuesday, June 17, 2014

Time: 6 p.m. to 7 p.m.

Location: Burgerville, 18350 Willamette Drive, West Linn

Facilitator: Eryn Kehe

Attendees: Seven neighbors attended the meeting.

Project team staff:

Katy Fulton – City of Lake Oswego

Jerome Duletzke – Brown and Caldwell

Ray Clouatre – Frank Coluccio Construction Co.

Tom Lebo - Brown and Caldwell

Christian Colman – Slayden Construction Group

David Pease – Staheli Trenchless Consultants

I. Welcome & introductions

Eryn welcomed everyone to the meeting, introduced new attendees and outlined the agenda. Eryn stated that this is the first meeting to be held with both the WTP contractor, Slayden, and the Willamette River Crossing and Mapleton Drive pipeline contractor, Frank Coluccio Construction Co. The agenda and meeting process will be similar to past meetings.

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) Pipe ramming (casing installation) – what are the anticipated noise levels (how loud will it be?), types of equipment expected, is the ramming a usual method for this work?
- 2) Request to decorate the tower cranes with lights for the holiday season this year
- 3) Do the tower cranes affect cell phone reception?
- 4) How long will the 24-hour pipe pullback work take? (Anticipated schedule, noise levels during pullback, what causes the noise?)
- 5) Can the pipeline be drilled all from the Gladstone side, and not the West Linn side?
- 6) Parking on Mapleton during open-cut pipeline work, how will it be possible to park within 200 feet? Request for a diagram of the street for adequate parking locations.
- 7) Where will equipment be stored and staged on Mapleton? (for both HDD and open-cut work)
- 8) What is the cumulative decibel level of many pieces of equipment? How it is measured?
- 9) Pipe ramming under Trillium Creek – what noise mitigation will be in place for those neighbors?

Discussion is included in Sections III-VI below.

III. Two Week Look Ahead (Slayden) – Water Treatment Plant

Christian indicated that Slayden is continuing to focus on pouring concrete for new structures across the WTP site, including the ballasted flocculation, mechanical dewatering, clearwell and solids storage tank. Concrete is being poured in the clearwell for the upper deck. Once this is finished, the area around the clearwell will be backfilled.

This week, crews started water testing the gravity thickener, including filling the tank to ensure it is leak proof.

Currently, there is a large trench in the center of the site for a 54" pipe, between the clearwell and sediment basins. The pipe will be tested and encased in concrete this week, then backfilled with gravel.

The DeWitt drill rig will return shortly to drill auger cast piles for a 48" overflow pipe located in the center of the site.

In the next month or so, excavation will begin for the administration building elevator shaft. This will occur in the existing WTP parking lot to the north of the site.

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

IV. Two Week Look Ahead (Coluccio) – Pipeline construction

Ray indicated that crews are currently grubbing, clearing the area and getting the HDD site prepared for arrival of drilling equipment. They are also installing a soil erosion fence to manage silt, excavating to build a level platform for the drill rig, removing stumps and installing the sound wall around the perimeter.

From around mid-week next week, Michels, the drilling subcontractor, will mobilize equipment for installing the casing.

From late next week or the first week of July, crews will start hammering the casing in place. The first piece is dug in, compacted, then another piece is welded on and then hammered in. It is expected to take up to about two weeks to install the casing, but it could be longer, depending on the conditions.

V. Updates on previous action items

There were no previous action items.

VI. 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 second table below.

Question or concern	Response or comment
Are you running water on the weekends?	<i>Soaker hoses are being used on top of the clearwell for water curing the concrete deck. Neighbors may be hearing that water running off of the edges of the structure.</i>
How many cement trucks are expected overall for the WTP project?	<i>Christian said that approximately 1,500 overall and they are about 1/3 of the way through.</i>
Request to decorate the tower cranes with lights for the holiday season this year.	<i>Christian indicated that Slayden could decorate the cranes for the holidays.</i>
Do the tower cranes affect cell phone reception? (Report from neighbor that for about 3 months there has been little cell phone reception in his house)	<i>No, this is unlikely. It would be best to contact your cell phone provider. Christian stated he will also investigate to see if cranes have affected service before, but this is not likely.</i>
How long does welding take for the pipe casing and is it manual?	<i>Yes, the welding is all manually performed. Ray stated that the length of time for welding is variable – some take 2 ½ hours, some 7 hours.</i>
Is the ramming a usual method of work?	<i>Ray said that the pipe ramming is a usual method for installing the conductor casing for these types of operations.</i>
What types of equipment can we expect at the HDD site? Is it the same equipment that is being used at the Meldrum Bar Park site?	<i>Yes, the pressurized hammer is the same piece of equipment that is being used in Gladstone. The layout of the site at the end of Mapleton will be smaller than that in Meldrum Bar Park, due to size limitations of the site. It is anticipated that there will be an excavator, compressor, pressurized hammer, miscellaneous drilling equipment.</i>

Neighbor concerned mostly about vibration – report that neighbor on Kenthorpe experienced vibration during the sheet pile shoring that occurred at the plant, walls were shaking	<i>Ray stated that they expect vibration to occur at the source of the casing installation and dissipate from there, however it may be perceived vibration or the percussion of the noise because of the loudness associated with the hammering that people may “feel.” Ray also outlined that the pressurized hammer to be used for pipe ramming, is a very different tool to the “vibratory hammer” that was used to install sheet piles at the plant in February.</i>
How long will the casing installation take?	<i>Ray indicated that it is expected to take up to about two weeks to install the casing, but it could be longer. The hammer is fast – beats up to 180 beats per minute, and may go for longer periods (1-3 hours) depending on the casing length and ground conditions.</i>
Don't you know what you are hitting/ drilling into at the HDD site?	<i>The casing is to be installed to the rock layer – through softer soils, as the casing itself prevents dirt and debris from getting through to the hole for the pipe. Ray said they are expecting a mix of gravel and rock.</i>
What are the anticipated noise levels for the pipe ramming?	<i>For decibel levels in general, at about 90 dB, crews need to wear earplugs. The noise levels can vary greatly and dB levels do not take into account the angles of equipment being placed, and the topography of the area. The Partnership will report back next meeting with more information.</i>
What is the cumulative decibel level of many pieces of equipment? How it is measured?	<i>The levels usually combine and the highest dB level is what is measured as the overall dB level. The level of noise decreases with distance.</i>
Can the pipeline be drilled all from the Gladstone side, and not the West Linn side?	<i>Jerome stated that Michels, the drilling subcontractor, is an expert in this field of horizontal directional drilling. Also, the Partnership avoids dictating means and methods to the contractor. The duration of the HDD pipeline installation is also shorter because of drilling from both sides.</i>
How long will the 24-hour pipe pullback work take? (Anticipated schedule, noise levels during pullback, what causes the noise?)	<i>Ray indicated that the pullback duration is dependent on a number of factors which are not formulated or determined yet. It depends on how many pieces of pipe can be welded together and strung out. The Environ noise study was an estimate, but it can differ depending on the conditions.</i>
Pipe ramming under Trillium Creek – what noise mitigation will be in place for those neighbors? What are the anticipated sound levels?	<i>The work under Trillium Creek will be conducted between work hours, which are 7am-7pm Monday to Friday and Saturdays 9am-5pm. There is no 24-hour work anticipated for this area. It is likely to be very loud during the ramming, but this would be for a shorter installation duration than the HDD casing, due to the length of the pipe.</i>
How will it be possible to park within 200 feet of our home during any driveway blockages for Mapleton pipeline construction? Request for a diagram of the street for adequate parking locations.	<i>Crews will be working on Mapleton Drive from 7am – 7pm, so driveways will not be blocked in the evenings. The work area will be limited to 150 feet, so it will be possible to park in close proximity to your home on Mapleton Drive. A condition of approval is to provide temporary parking within 200 feet of a resident's home during the time that a driveway may not be accessible. The contractor will work with neighbors to coordinate this parking. The right of way of Mapleton Drive is 50 feet in width. The Partnership and contractor will coordinate parking arrangements, to the extent needed, but there should be ample parking along the street outside the work zone. The Partnership will report back with additional information closer to pipeline construction on Mapleton Drive.</i>
Where will equipment be stored and staged on Mapleton? (for both HDD and open-cut work)	<i>Approved areas for equipment and materials for the HDD portion are limited to the site at the end of Mapleton Drive. The Contractor has coordinated with the City of West Linn to park some small pick-up vehicles at the West Linn pump station, next to the HDD site, but the majority of crews will park at off-site parking and be shuttled in. Approved areas for staging and storing materials for the Mapleton Drive open-cut pipeline include a portion of the WTP site, on the Mapleton Drive side, and the right-of-way along Mapleton Drive.</i>

Will access to the park trails in Mary S. Young Park be maintained?	<i>Yes. Ray stated that crews will keep a clear and safe area barricaded at the end of Mapleton Drive to enable safe access to the entrance of the trails in the park, near the pump station.</i>
Concern about drainage and flooding at the HDD site – are you building and leveling the area to the Mapleton Drive elevation?	<i>The terrain on the site currently slopes and allows drainage – this will be maintained. The erosion control fencing also acts to capture any dirt or sediment. There is no conduit being placed under the gravel.</i>

Action Items List

Item #	Date raised	Question or concern	Response or comment	Status
19.1	6/17/14	Do the tower cranes affect cell phone reception? (Report from neighbor that for about 3 months there has been little cell phone reception in his house)	<i>No, this is unlikely. It would be best to contact your cell phone provider. Christian stated he will also investigate to see if cranes have affected service before, but this is not likely.</i>	Open
19.2	6/17/14	What are the anticipated noise levels for the pipe ramming?	<i>For decibel levels in general, at about 90 dB, crews need to wear earplugs. The noise levels can vary greatly and dB levels do not take into account the angles of equipment being placed, and the topography of the area. The Partnership will report back next meeting with more information.</i>	Open
19.3	6/17/14	How will it be possible to park within 200 feet of our home during any driveway blockages for Mapleton pipeline construction? Request for a diagram of the street for adequate parking locations.	<i>Crews will be working on Mapleton Drive from 7am – 7pm, so driveways will not be blocked in the evenings. The work area will be limited to 150 feet, so it will be possible to park in close proximity to your home on Mapleton Drive. A condition of approval is to provide temporary parking within 200 feet of a resident’s home during the time that a driveway may not be accessible. The contractor will work with neighbors to coordinate this parking. The right of way of Mapleton Drive is 50 feet in width. The Partnership and contractor will coordinate parking arrangements, to the extent needed, but there should be ample parking along the street outside the work zone. The Partnership will report back with additional information closer to pipeline construction on Mapleton Drive.</i>	Open

VII. Wrap up and next meeting

The next West Linn construction update meeting will be held on **Tuesday, July 1 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.