WILSONVILLE PUBLIC WORKS

April 2019 Monthly Report

From The Director's Office:

Public Works Operations Complex

In the month of April there were many research and assessment activities related to the Master Planning for the Public Works Operations Complex (PW Ops Complex).

Observation Day: To better understand Public Works operations, Scott Edwards Architecture (SEA) staff spent a day on-site imbedded with staff observing their activities and meeting with each of the work divisions to discuss current work flows, existing storage spaces for equipment and vehicles.

Program Meeting #1: PW staff and Facility Project Team members met with SEA to review, generate and discuss three key areas related to PW Ops Complex buildings: exterior, interior and technology. Team members brainstormed ideas for each of these areas inspired by a photo presentation of potentially relevant similar projects. This generated meaningful discussion among the group about the positives, negatives, likes and dislikes of each the examples.

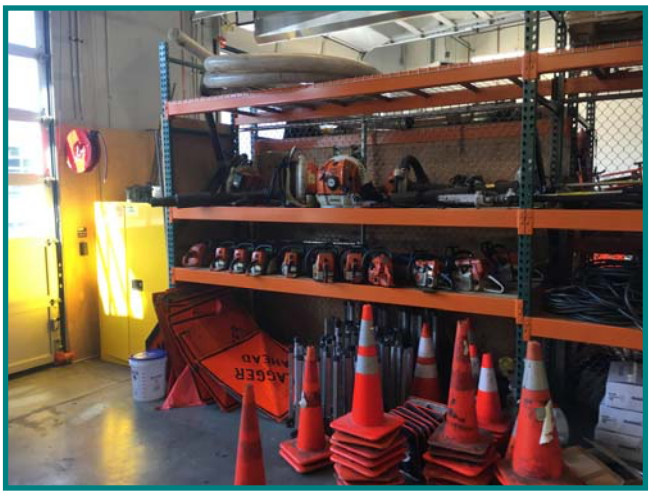
Program Meeting #2: Space, facilities and material needs of the Operations Complex and individual PW division needs were discussed and recorded at this meeting. Each division discussed their baseline needs as well as well as a few hopeful desires. The project team also attempted to account for other City long term needs within the site.

Facility Tours: PW, IT, Parks and Fleet personnel along with SEA staff toured other Public Works Facilities in the Metro area to see examples of other agency's Public Works facilities. Project team members were able to talk with members of the agency's PW Department to determine what elements of their facility worked well and what they might do differently if they were to construct another facility. The team visited Lake Oswego, Hillsboro and Cornelius. The facilities were a good mix of size, layout and materials used in construction to give team members a sense of what might work well for our complex. Below and on the following page are a few photos of favorable elements the team members observed during the tours.

Example of secure reception

Example of crew rooms

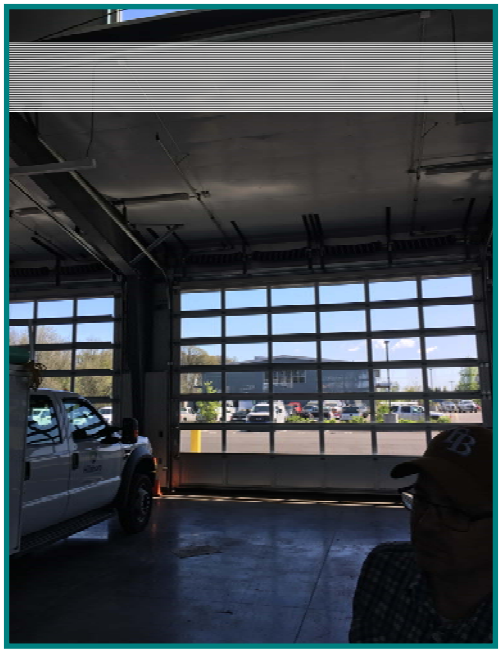
Decant facility for Vactor & catch basin materials.



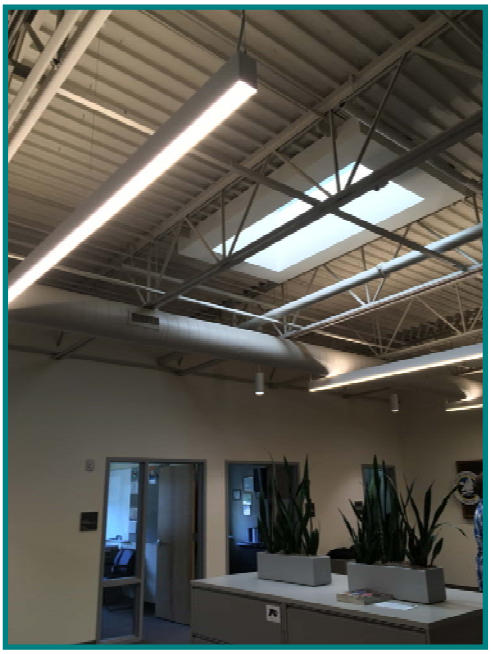
Efficient & accessable materials storage.

Secure and space saving pipe and pole storage

Dedicated washers and dryers for soiled or contaminated uniform items.



Climate controlled equipment storage for key assets that are affected by temperature. This will help assure our assets are protected but ready to respond immediately when needed.



The use of natural lighting in both the office and bay areas will reduce energy cost and improve the atmosphere of the work spaces.

Facilities Division

Public Works Facilities Team Additions

The Facilities Division is excited to announce the addition of Maintenance Specialist Daniel Morena to the team. Daniel was hired on April 1, filling the position of long-time employee Rob Rollins who retired in January of this year.

Daniel brings with him a broad knowledge of landscape maintenance as well as a good understanding of construction and facility maintenance. Daniel has quickly blended with his team and has wasted no time jumping in and getting his hands dirty. If you see Daniel working around your building be sure to introduce yourself and welcome him to the City.

Roads and Stormwater Division

Median Replacement Trees

The Roads crew planted four new trees this month. Pictured below are the new trees on Canyon Creek Road near Burns Way and on Wilsonville Road, East of I-5 near Town Center Loop East. These trees are replacements for the ones which were hit by vehicles

Utilities Division

Sewer Heroes

The Sewer crew has been hard at work cleaning sanitary mainlines and manholes in Charbonneau. Charbonneau is one of the more challenging areas to maintain as it has some of the oldest sections of sewer in Wilsonville and an abundance of established trees. Trees and old sewer systems do not mesh well as the tree root systems will tap into every defect in the pipe system to reach the nutrient rich wastewater. Root intrusion in a sewer system can lead to sewer backups and increased deterioration of pipes. The sewer crew removes tree roots by jetting the lines with a special nozzle called the “Bulldog”. This nozzle has a rotating head that spins at a high revelations per minute (RPM) creating a cutting action with high pressure water. Roots within the manholes are extracted with hand tools or sucked up with the cleaning truck.

Left: Acting Water Tech Sam Kinnaman receives cross training from Sewer crew members Paul Havens and Paul Walker on how to jet sewer lines.

Left: Roots removed from sewer manhole.

Left: Root intrusion in an old manhole.

Right: Paul Walker and Sam Kinnaman