



CITY COUNCIL WORK SESSION

Wednesday, November 20, 2019

265 Strand Street, St. Helens, OR 97051

www.ci.st-helens.or.us

Welcome!

All persons planning to address the Council, please sign-in at the back of the room. When invited to provide comment regarding items not on tonight's agenda, please raise your hand to be recognized, walk to the podium in the front of the room to the right, and state your name only. You are not required to give your address when speaking to the City Council. If you wish to address a specific item on the agenda, you should make your request known to the Mayor as soon as possible before the item comes up. The Council has the authority to grant or deny your request. Agenda times and order of items are estimated and are subject to change without notice.

1. **1:00 P.M. - Call Work Session to Order**
2. **Visitor Comments - Limited to five (5) minutes per speaker**
3. **Discussion Topics**
 - 3.A. Discuss Exclusive Towing Contract - John
 - 3.B. Discuss Right-of-Way Dedication - Jacob
[Map, Tract B Brookfield.pdf](#)
 - 3.C. Discuss Amendment to Wetland Solutions Northwest, LLC Agreement - Jacob
[PSA Amendment to Wetlands Solutions Northwest, LLC 112019.pdf](#)
 - 3.D. Utilities Discussion - Matt
4. **Department Reports**
 - 4.A. Administration & Community Development Departments Report
[ADMIN & CD Dept Report.pdf](#)
 - 4.B. Public Works Department Report
[PUBLIC WORKS Dept Report.pdf](#)

The St. Helens City Council Chambers are handicapped accessible. If you wish to participate or attend the meeting and need special accommodation, please contact City Hall at 503-397-6272 in advance of the meeting.

**Be a part of the vision...get involved with your City...volunteer for a City of St. Helens Board or Commission!
For more information or for an application, stop by City Hall or call 503-366-8217.**

5. **Council Reports**

6. **Other Business**

7. **Adjourn**

Executive Session - *Following the conclusion of the Council Work Session, an Executive Session is scheduled to take place to discuss:*

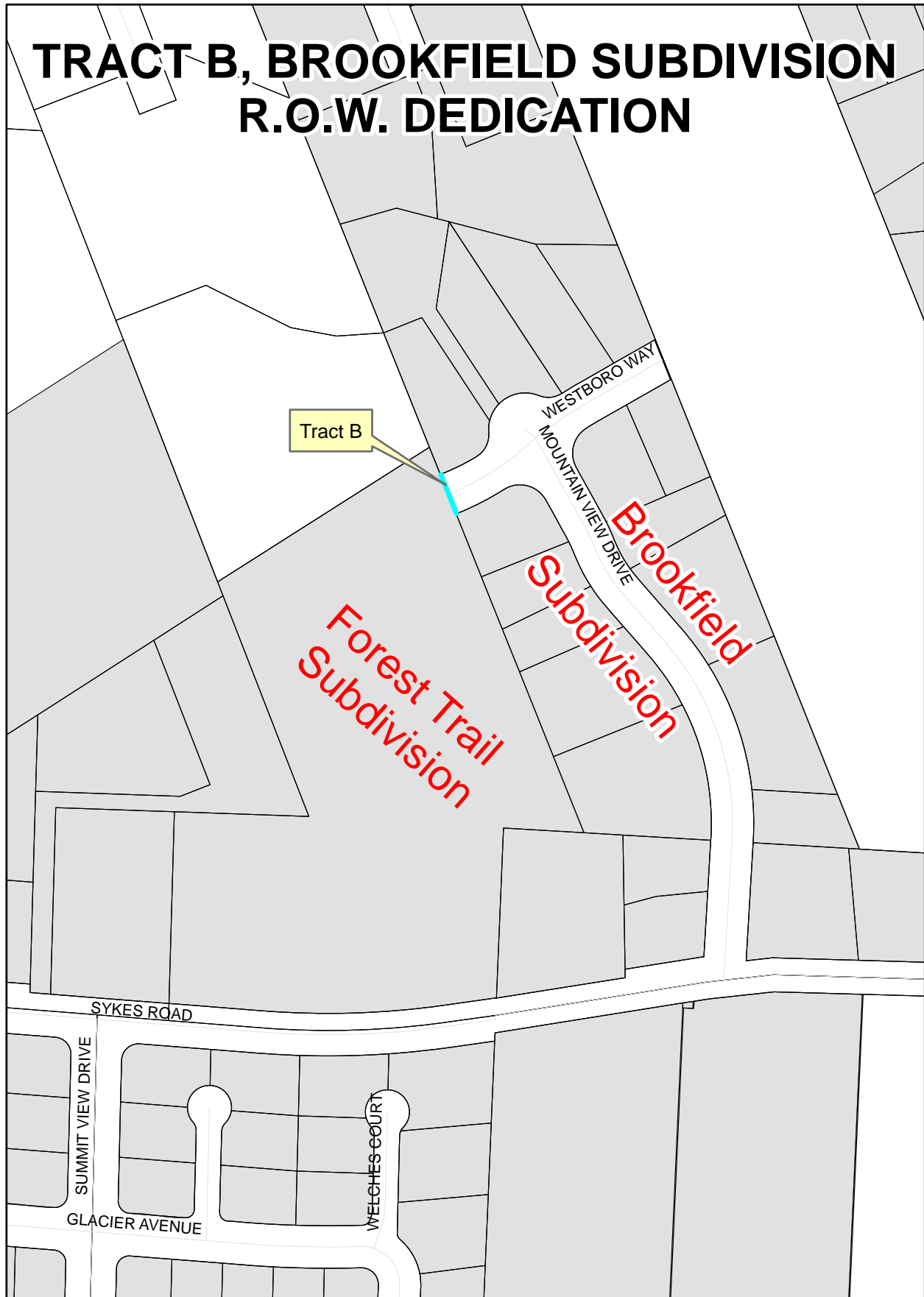
- *Labor Negotiations, under ORS 192.660(2)(d);*
- *Real Property Transactions, under ORS 192.660(2)(e); and*
- *Consult with Counsel/Potential Litigation, under ORS 192.660(2)(h).*

Representatives of the news media, staff and other persons as approved, shall be allowed to attend the Executive Session. All other members of the audience are asked to leave the Council Chambers.

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TRACT B, BROOKFIELD SUBDIVISION R.O.W. DEDICATION



AMENDMENT NO. 1 TO PERSONAL SERVICES AGREEMENT

This Amendment is made on November 20, 2019, between City of St. Helens, an Oregon municipal corporation (“St. Helens”) and **Wetland Solutions Northwest, LLC** (“Contractor”).

RECITALS

A. WHEREAS, on or about December 7, 2018 St. Helens and Contractor entered into an agreement (“Agreement”) in which Contractor agreed to provide wetland services;

B. WHEREAS, due to the complexity in dealing with the Oregon Division of State Lands and United States Army Corps of Engineers, the cost estimate has been exceeded and it is possible that completion of the services requested will require time beyond the original timeframe (i.e., to January 1, 2020);

C. WHEREAS, St. Helens wishes to continue the requested services by including additional monies and both St. Helens and Contractor agree to extend the contract an additional year, as per the original agreement conditions.

AGREEMENT

NOW, THEREFORE, the parties mutually agree as follows:

- 1.** The agreement is amended to include the services and additional expense per Attachment A.
- 2.** The term of the Agreement is extended to January 1, 2021.
- 3.** All other terms and conditions of the Agreement, as previously amended, shall remain in full force and effect other than as specifically amended herein.

CITY:

CITY OF ST. HELENS

Council Meeting Date: November 20, 2019

Signature: _____

Print: _____

Title: _____

Date: _____

CONTRACTOR:

Wetland Solutions Northwest, LLC

Signature: _____

Print: _____

Title: _____

Date: _____

Attachment A

Wetland Solutions Northwest, LLC
59446 Lytle Dr.
St. Helens, Oregon 97051
503-367-7177
Stacy@WetlandSolutionsNW.com

CHANGE ORDER FOR WETLAND SERVICES

November 12, 2019

City of St. Helens
P.O. Box 278
St. Helens, Oregon 97051

PROJECT: Boise White Paper Industrial Site Wetland Delineation

Wetland Solutions Northwest, LLC (WSNW) is currently under contract to the City of St. Helens to provide wetland delineation and reporting services for the Boise White Paper Industrial Site. The U.S. Army Corps of Engineers (Corps) and the Oregon Department of State Lands (DSL) have requested map edits and site visit(s) in order to complete their review and concurrence of the wetland report. This change order has been prepared to address the request for these additional services.

SCOPE OF SERVICES:

Task 1) Map edits and agency coordination

WSNW will coordinate completion of the map edits requested by DSL and the Corps with AKS Engineering and Forestry and will respond to any other requests for additional information to facilitate DSL and Corps review and concurrence with the findings of the wetland report.

Task 2) Site visit(s)

WSNW will attend up to two site visits, if necessary, with the Corps and DSL in order to facilitate agency review and concurrence with the findings of the wetland report.

COST ESTIMATE:

This is a time and materials estimate. If less effort is needed to complete the tasks below than estimated, costs will be less than this estimate.

Task 1) Map edits and agency coordination	\$ 500
Task 2) Site visit(s)	<u>\$1,000</u>
Total Time & Materials Cost Estimate	\$1,500

SCHEDULE:

The tasks are ongoing and are estimated to be completed within approximately one to two months.

Prepared by:

Stacy Benjamin

Stacy Benjamin
Principal Ecologist



Memorandum

To: Mayor and City Council

From: John Walsh, City Administrator

Subject: **Administration & Community Development Dept. Report**

Date: November 20, 2019

Business Licenses Report attached.

Suggestion Box Report attached.

City Council Queue attached.

BUSINESS LICENSE REPORT

City Department Approval: 11/04/2019

The following occupational business licenses are being presented for City approval:

Signature: JUL
Date: 11-4-19

RESIDENT BUSINESS – RENEWAL 2019

RESIDENT BUSINESS – NEW 2019

- | | | |
|--------------------------|-------------------------------|---------------------------------------|
| <input type="checkbox"/> | *MAMA BARE NATURALS | HOMEMADE CANDLES & SKIN CARE PRODUCTS |
| <input type="checkbox"/> | MOONLIGHT MOUNTAIN MERCANTILE | RETAIL - ARTISAN |

NON-RESIDENT BUSINESS - 2019

- | | | |
|--------------------------|----------------------------------|--|
| <input type="checkbox"/> | CECO, INC. | EQUIPMENT/CHEMICAL/PARTS SALES & SERVICE |
| <input type="checkbox"/> | EVERGREEN GAS | HVAC-GAS LINES |
| <input type="checkbox"/> | DEVELOPMENT NORTHWEST, INC | PLUMBING CONTRACTOR |
| <input type="checkbox"/> | GLOBAL ELECTRIC, INC. | ELECTRICAL |
| <input type="checkbox"/> | HEAT RELIEF | HVAC |
| <input type="checkbox"/> | KUNZE FARMS TREE & LANDSCAPE LLC | LANDSCAPING |
| <input type="checkbox"/> | KARL HARRY KEENER CONSTRUCTION | HOME CONSTRUCTION & REMODEL |
| <input type="checkbox"/> | ROB'S SUPERIOR PLMBNG SERV INC | PLUMBING |

RENTALS - 2019

- | | | |
|--------------------------|--------------------------------------|-----------------------------|
| <input type="checkbox"/> | BRESLIN PROPERTIES LLC (RESIDENTIAL) | RESIDENTIAL RENTAL – DUPLEX |
| <input type="checkbox"/> | BRESLIN PROPERTIES LLC (COMMERCIAL) | COMMERCIAL RENTALS |

*Denotes In-Home Business

Suggestion Boxes

City Hall – 1st Floor Lobby

Date Received	Comment	Suggestion	Response Requested?	Name and Contact Information	Overall Customer Service Rating	Date to Council for Review	Staff Assigned	Staff Follow-up Actions	Date Closed

City Hall – Municipal Court Lobby

Date Received	Comment	Suggestion	Response Requested?	Name and Contact Information	Overall Customer Service Rating	Date to Council for Review	Staff Assigned	Staff Follow-up Actions	Date Closed

Library

Date Received	Comment	Suggestion	Response Requested?	Name and Contact Information	Overall Customer Service Rating	Date to Council for Review	Staff Assigned	Staff Follow-up Actions	Date Closed

City Hall –Water Department Lobby

Date Received	Comment	Suggestion	Response Requested?	Name and Contact Information	Overall Customer Service Rating	Date to Council for Review	Staff Assigned	Staff Follow-up Actions	Date Closed
October 2019	Kind – Patient – Helpful	Give them a raise – they deserve it!		Mary Louise Trapp 503.397.0492	Great				

City Hall – 2nd Floor Lobby, Council Chambers Lobby,

Date Received	Comment	Suggestion	Response Requested?	Name and Contact Information	Overall Customer Service Rating	Date to Council for Review	Staff Assigned	Staff Follow-up Actions	Date Closed
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None received.

City of St. Helens

City Council Queue

Council Meeting Date	Issue/Task	Status Update	Person(s)	Deadline Date
				Update Date
				Completion Date
10/2/19	Audobon Society (brought up by Councilor Carlson)			
10/2/19	Local Attorney at City Council Meetings (brought up by Council President Morten)			
	Municipal Broadband		John Walsh	

PUBLIC WORKS MEMO

To:	The Mayor and Members of City Council	
From:	Sue Nelson, Interim Public Works Director	
Date:	20 November 2019	
Subject:	October Public Works Department Activity Summary	

Engineering

1. Providing general oversight and inspection for five active construction projects.
2. Assisted to plan and implement the Veterans Memorial dedication.
3. Working with consultants to revise scopes for two road improvement projects.
4. Completed and finalized the Crack Sealing project.
5. See complete report.

Parks

In addition to mowing, watering street trees, cleaning restrooms, and collecting garbage:

1. Repaired vandalized restroom shutters and signs at Campbell Park.
2. Finalized several small projects and cleaned area around the Veterans Memorial.
3. Spread sand throughout the Plaza Square.
4. Completed multiple tasks relating to Halloweentown and Fairyland.
5. See complete report.

Public Works Operations & Maintenance

1. Removed fence along veneer property at end of S. 1st Street and created new walking path.
2. Continued work on improvements along the Highway 30 landscape strip area.
3. Prepped multiple areas for wayfinding sign installation.
4. Repaired three water main leaks.
5. Serviced and/or made repairs on 52 vehicles and/or equipment.
6. Responded to eleven after-hours call-outs.
7. See complete reports.

Water Filtration Facility

1. Produced 40.4 million gallons of filtered drinking water, an average of 1.3 million gal/day.
2. Worked with IT to replace servers.
3. Experienced a power outage for several hours.

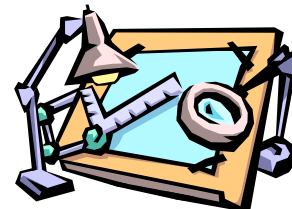
Waste Water Treatment Plant

1. Performed maintenance and repairs on the SolarBees.
2. Cleaned contact tanks.
3. Discovered damaged auger on Screen #2 of the headworks screens.
4. Experienced power outage affection PS#5; ran generator.
5. See complete report.



Engineering Department Status Report

12 November 2019



DEVELOPMENT PROJECTS

Greystone Estates Subdivision

Work is progressing on the 80-lot subdivision located between Kelly Streets and Commons Drive. The Developer will be constructing new sanitary sewer, storm drain, water, and streets for this development, expected to be completed mid-2020.

St. Helens Place Apartment Project

Construction of the frontage improvements is underway which will include widening the streets and installing new sidewalks and lighting on McBride and Matzen Streets, and constructing a new half-street on the south side of the development. Additional public improvements include new storm drainage, extension of the water and sanitary sewer systems, and street trees around the entire site. The new apartment buildings are being constructed concurrently with the public improvements.

Bailey Subdivision

This project is now complete.

Columbia Vet Clinic

Things are starting to move quickly on this project with their on-site improvements and the contractor is gearing up to start the public improvements. The majority of this work consists of a new storm drainage system that will intercept the existing pipes that have historically drained on to the site and redirect the flows to a new system to be located within the surrounding streets and continue to discharge to the same location which flows west away from the property.

Elk Ridge Estates Phase VI

This project is complete and building permits are being submitted. ☺

Hanna's Place Development

No new activity on this project since the pre-construction meeting was held for the public improvements. This project will be a 10-lot subdivision on N. 15th Street, north of St. Helens Street

N. 9th & Wyeth Street Development

The sanitary sewer main has been installed and the water main extension is expected to be completed within the next couple of months.

Potential Gable Road Apartment Project

No further contact with the developer at this time.

Potential Development at McNulty & Industrial Way

No further activity on this project as of yet.

New Middle School Project

Construction has started for the frontage improvements, which include widening the street, storm drain improvements, and sidewalks around the perimeter of the site on N. 16th and West Streets.

N. 8th & N. 9th Street Subdivision

No new information has been provided by the developers of this potential 78-lot subdivision.

STREET AND TRANSPORTATION PROJECTS

Gable Road Improvement Project

Work is progressing on this joint Columbia County – City of St. Helens project. The finished product will include new sidewalks, widened roadway with bike lanes, and pedestrian crossing improvements, and a new storm drainage system through the majority of the project.

Kervin Bros. Metal Shop Project

Because of physical restrictions of the existing roadway along the property frontage, the City has worked with the Developer to pay a fee-in-lieu of the required frontage improvements. This will provide funding for future road improvements and ensure they are constructed to the current roadway standards.

N. Vernonia Road Sidewalk Project

A revised scope of work has been submitted by the Consultant, David Evans and Associates, to include the re-alignment of the sidewalks and redesign the 90-degree corner.

Crack Sealing Project

This project is complete.

Wayfinding Installation Project

The Public Works crews have been working on installing the bike and pedestrian signage at multiple locations on Columbia Blvd., St. Helens Street, S. 3rd Street and other locations along the designated bicycle routes in the corridor area.

S. 1st Street and St. Helens Street Improvement Project

The revised scope of work from Kittelson and Associates was approved by the Council on October 16 and the Consultant has started on the design survey work.

WATER SYSTEM PROJECTS

2MG Reservoir Rehabilitation Project

The Contractor has been on site, prepping and testing the deficient liner. Based on the results of the tests, they will propose a final solution to resolve the issues. They have also paid for the water used to fill the reservoir and test the liner.

Various Waterline Improvements Project

Staff has been working on the design and specifications of three waterline replacements on N. 7th, N. 9th, and N. 11th Streets. These locations have undersized mains as identified in the most current Water Master Plan and should be upsized to provide better water service and allow for compliant fire hydrants in those areas.

MISCELLANEOUS PROJECTS AND ACTIVITIES

Veterans Memorial Dedication

Assisted in planning, implementing, and participating in the Veterans Memorial dedication on November 1.

Right-of-Way and Construction Permits

There were ten Right-of-Way and/or construction permits issued in October 2019: two permits to Century Link for system extensions and upgrades; three to NW Natural to abandon two services and install a new service to a townhouse; two permits to Comcast for upgrades and a new service; and three construction permits for private developments.

Miscellaneous Projects

Continuing to work with Planning, Parks, and Public Works staff to implement various improvements in the Parks and improve the Highway strip landscaping.

Participated with interviews for the new Building/Planning/Engineering Administrative Assistant position.

Continue to work with Planning Dept. and Public Works to implement the first phase of development for a future park on the Millard Road property. Two versions of a master plan were presented to the Parks Commission on October 14 and the more extensive development was recommended. The Council reviewed the Plans on November 6 and approved initiation of minor trail development.

Training Workshops and Committee Meetings

Participated in the monthly Columbia County Traffic Safety Commission meeting.

Attended the American Public Works Association Oregon Chapter Fall Conference in Hood River.

Attended customer service/supervisor training at the Columbia Center on how to deal with difficult people.

Trained on the water filtration trailer obtained from a grant from the Regional Disaster Preparedness Organization



Parks Department for October 2019



Daily duties were performed which include: cleaning restrooms, garbage pickup, and general parks maintenance.

Removed the street trash cans on S. 1st Street per Tina's request

Removed dead trees on the Boise property

Trimmed right of way trees on DuBois Ln.

Planted plants at the Veterans Memorial

Disinfected all the play structures

Trimmed trees on N. 4th Street

Removed a tree at Godfrey Park

Cut up downed trees at Boise property

Trimmed a tree on N. 2nd Street

Replaced vandalized restroom signs at Campbell Park

Built shutters at the Campbell Park restrooms

Blew off Veterans Memorial several times

Pressure washed the Memorial area

Blew off leaves from the play structures

Placed the Blue Star Memorial at McCormick Park

Spread sand in the Plaza

Clean up the area around the Memorial

Removed tape from the shelters in McCormick Park left by people taping up signs, etc.

Cleaned the curb line at the Memorial

Took firewood to Halloweentown several times

Cleaned and stocked the restrooms on weekends for Halloweentown

Locked and winterized the restrooms at the McCormick Park ballfields

Blew off leaves between 4th and 5th on OPR

Blew off stairs at 5th and OPR

Blew off leaves on Spain hill sidewalk

Repaired vandalized shutters at Campbell Park restrooms

Took down a homeless camp at McCormick Park

Disposed of a deer on OPR

Took more sand to spread in the plaza

Cut up firewood for Halloweentown

Removed downed trees

Resurrected the alien space ship

Scouted for a Christmas tree

Seeded the Veterans Memorial area

Repaired railing on the Gazebo at Columbia View Park

Moved the bat house to the Plaza from Fairyland

Remounted a dog bag dispenser at the waterfront property

Moved a porta- potty to Nob Hill for work party

Moved the fairy tree to storage

Put the inflatables to storage from Fairyland

Replaced the light bulb on the outside of the restrooms at McCormick Park

Cleaned and pressure-washed the alley at City Hall

Dismantled the alien space ship

Repaired and replaced vandalized TP dispensers at Columbia View Park

Picked up garbage around City Hall

Pruned trees in the Library courtyard

Washed and cleaned the Parks Dept. vehicles

Removed leaves from the off-leash area and around the Veterans Memorial

Cleaned up around the Parks Dept. shop

Public Works Work Report

October 2019

Water Dept:

Read meters and heavy users
Turned off and on 43 delinquents
Poured concrete at 2755 Sykes Rd. and 154 S. 22nd St.
Raised meter box at S. 16th St. & Cowlitz St.
Limbed trees at gate by WWTP
Cleaned up highway strip across from Inroads
Helped clean up/remove brush at veneer property
Fixed leak on Railroad Ave.
Moved meter on Umatilla St.
Replaced fire hydrant on Crouse Way
Replaced shut-off valve at 315 N. 3rd St.
Helped with wayfinding sign installations
Listened for leak on Kaster Rd.
Replaced shut-off valve at 455 S. 4th St.
Replaced shut-off valve on Allendale Ave.
Repaired water main on N. 9th St.
Cleaned sewer dump
Limbed trees on 6th St. & 4th St.
Picked up cones from Halloweentown
Repaired leak on main on S. 13th St.
Cleaned/removed brush around high elevation reservoir

Sewer Dept:

Continued cleaning ditch at Ashwood Ct. & Sykes Rd.
Built new grate for Ashwood Ct.
Installed new directional drop for Rick Scholl
Hung Halloweentown banners
Located storm on Gable Rd.
Set top for catch basin on Umatilla
Unplugged sewer at 395 N. 5th St.
Removed fence and brush on veneer property – several days
Located Sewer on N. 6th St.
Checked storm drains in various locations
Made sewer tap at 204 N. 17th St.
Made storm tap at 204 N. 17th St.
Made sewer taps at 445 & 455 S. 4th St.
Jetted storm line at end of Hankins Dr.
Vacuumed out well at Transfer Station for County
Cleaned and TVed storm on N. 15th St.
Helped with wayfinding sign installations

Call-Outs

Complaint about buzzing noise form Bayport well – was Port's electrical panel
Picked up dead raccoon
Telemetry alarm
Delinquents wanted their water turned back on
Pick up dead cat – couldn't find

Water off for plumbing repair at 270 Tualatin St.
Stop sign was run over at N 2nd St. & West St.
Emergency locate for McNulty Water main break
Power outage – tree fell on lines on N. 10th St.
Gates left open at veneer property after Halloweentown weekend events
Water leak at 485 S. 13th St.

Miscellaneous:

Swept streets
Mowed ROWs
Marked 109 locates
Checked wells & reservoirs daily

October 1st to 31st

Oct. 1st

- PW Went to the tree farm to unlock the gates
- PW Swept the Boise Property
- PW #55 Checked the water system on the sweeper found that one of the magnetic switches is bad
Also took apart one of the other switches and cleaned out the debris from the valve
- Parks P60 Test drove the truck found that the tires need air and that the power steering was low
Checked the oil and filled all the fluids

Oct. 2nd

- Parks #60 Test drove the truck again found nothing wrong with it
- Parks Sharpened two saws
- PW #55 cleaned out the water nozzles
- PW Swept the senior center parking lot

Oct. 3rd

- PW #55 Cleaned the rest of the water nozzles on the sweeper also installed a new gutter broom switch
- PW Cut down a grate and welded into place for a storm line

Oct. 4th

- PW Swept streets and cleaned up the sweeper
- PW #22 Started the truck and checked the coolant and added fuel to the gas tank

Oct. 7th

- Office Filled paper work
- PW #55 Installed a new magnetic switch on the water system cleaned out the rest of the nozzles and installed two new gutter brooms
- PW #71 Checked the coolant and found that it was low added coolant
- PW #10 Scanned the back hoe and found a code called Pape Machinery and they will come out to fix the problem, this unit is still under warranty.
- Keith Vacation

Oct 8th

- PW #40 Scanned the vehicle found that the transmission is leaking and we need to take it back to St. Helens auto sale to fix what we had asked them to do in the first place
- PW #16 Scanned the truck and found no problem codes cleared the inactive codes

Oct. 9th

- Office Computer work
- PW #21 Looked tailgate on the dump truck needs to be put back on the truck in order to be straightened
- PW Cut up the score board and put it into the dumpster also filled the dumpster with scrap metal

Oct 10th

- PW #55 Removed and replaced the right rear tire
- PW Hauled the Doosan to the Cascade Tissue property

Oct. 10 Cont.

Parks Hauled the Tool cat to the shop for repairs

Oct. 11th

Brett Vacation day

PW Helped with clearing the brush at the veneer property

Oct. 14th

Parks Tested the starting system found that the Fuel shut off solenoid is bad ordered a new one

PW #34 Checked the fuel system and started the excavator right back up

PW Helped unplug the chipper

Oct. 15

PW #30 Full service

City Hall Union Meeting

Oct 16th

Parks #8 Installed a new fuel solenoid and started tracing out the wiring

PW Repaired the remote throttle on the walk behind saw

Oct. 17th

Parks #8 Continue work on the tool-cat Repaired a broken wire

PW #55 Replaced a two-way radio antenna

Oct. 18th

Shop Cleaned the shop sink and restroom

Parks Continued work on the tool-cat

PW #40 Returned the vehicle to St. Helens auto center for work that they were supposed to do and did not

Keith Vacation Day

Oct. 21st

PW #16 Replaced the water valve going to the main hose going to the hose reel

Parks #8 Replaced the battery and did more testing

Oct 22nd

Parks #8 Found that some wires had come loose installed wires back into the fuse block and the bobcat runs fine, now need to find out why the transmission will not go into high gear

PW #5 cleaned the excavator checked the quick-change switches and found nothing wrong, took the Quick change hydraulic cylinder block apart and found that there was debris in the line will need to take more apart to find out where it is coming from

PW #16 Repositioned the water valve handle on the flusher

Oct 23rd

PW #5 Removed the quick coupler cylinder and need to order parts

Parks #8 Reprogrammed the dash to tell it has second gear

Oct. 24th

PW #5 Full service

PW #23 Checked the transmission and found it to be leaking will have to check and see where it is coming from

PW #58 Test ran the generator

Oct. 25th

Shop Cleaned the floor, Restroom and the shop sink

PW #23 Checked the oil in the tractor

Oct. 28th

PW #5 Installed quick coupler and started tracing the hydraulic lines

PW #40 Picked up the ford from St. Helens auto center and delivered it to City Hall

PW #11 Took the vehicle to the Cascade tissue property

Oct. 29th

PW #5 Completely removed they hydraulic valve, took the valve apart and started cleaning debris Out of it there were so many tiny ports that we needed to order a new valve also drained all of the hydraulic oil from the machine and installed new filters

Parks #3 Installed a new front turn signal light

Oct 30th

PW Helped with a water leak on south 13th

PW Adjusted the throttle on a chop saw

PW #16 Removed a rock for the suction tube on the flusher

Oct 31st

PW #5 Installed a new hydraulic block to control the quick-change Pressure washed the excavator

PW Cut metal for the way fare signs

City Hall Safety Meeting

WWTP Looked at the scrubber auger to see if we could attach the bristles to it again really worn out



City of St. Helens, Oregon
Public Works
Water Filtration Facility
PWS 4100724
P.O. Box 278
St. Helens, OR 97051
PH: (503) 397-1311 FAX: (503) 397-3351



Water Filtration Facility Journal October 2019

Water Production: 40.4 million gallons, which averages 1.31 million gallons per day

Week 1 Produced and sent September OHA reports to the State. Performed monthly check on fire extinguishers. Sent sewer readings to Columbia City public works. Darin looking at our SCADA computer system investigating if drivers are dead.

Week 2 MorePower, (IT contractors) on site with Darin looking into our dead, SCADA server problem. They were able to determine the drivers are dead in the unit and have removed the server from service to work on it in their own shop. This is the second time this same server and the same 2 drives have failed since it was installed 5 years ago.

Week 3. IT contractors have new drives ordered for the server unit instead of replacing them with “refurbished” drives like the previous IT contractors did. The SCADA system is a critical component of the WFF system, refurbished does not fix a problem, rather it brings another customers failed and rebuilt problematic component to our system, and installs the rebuilt, faulty hardware into our primary SCADA control network and resets the failure rundown timer in motion. (This is the second time these same 2 rebuilt components have failed!)

Week 4. New server brought on line, now to program it with the operating system and get it to run as it is supposed to. Dave’s new toy, a mobile water purification system, was delivered to City Shops, now to be trained in how to use this tool. Power Outage, generator running, turns out a tree is down across power lines on 10th st downtown. Restarted WFF, all running as supposed to on emergency power. One major problem is that the uninterrupted power supply, (UPS) does not keep SCADA running when power is lost. Theory is that the UPS cannot supply the 1900 watts of power that the new SCADA servers require to keep the computers running. Line power restored around 7PM, restarted WFF components, was able to go home now.

Week 5. Ordered diesel fuel for the emergency generator. Received training on the emergency water filtration system. Diesel delivered. Jesse arrived to WFF and removed many, many fallen leaves from our driveway and entrance road, thank you so much, really appreciate having this done for us. Seems that the UPS component of the WFF system has outlived its life expectancy and a replacement is in the works of being acquired. We are in the process of researching the UPS systems out there and sizing one that will handle the load required to keep our PLC and SCADA system uninterrupted when we have a power outage.

Howie Burton, City of St. Helens – Public Works Filtration Facility Supervisor and Operator

WWTP Monthly Operations and Maintenance Report

October 2019

To: Sue Nelson

From: Aaron Kunders

Secondary System Report

- 10/4-Back flushed sample pump and line with air compressor.
- 10/7-Cleaned SolarBees. Receptacle on shore for A and B not working. Will need to call an electrician. Pulled battery from B to recharge.
- 10/11-Replaced battery in SolarBee B.
- 10/15-Arne replaced GFCI on SolarBee plug at sub #1.
- 10/22-Roger patched hole in Secondary building wall.
- 10/25-1740-Secondary alarm (no call out. Stewart and Aaron already here for power outage). Ultrasound not responding and valve open to 50%. Could not adjust so called Ken Buell. He walked us through locking valve position at 10% and will be out Monday to troubleshoot.
- 10/28-Ken out and found the controller failed and will need replaced.

Primary System Report

- 10/1-Greased aerators.
- 10/1-Replaced broken anchor lines.
- 10/15-Arne fixed power issue to flash mixer.

Pump Stations

- 10/10-PS#5-Checked on citizen complaint about noise. Found generator in alarm for unknown reason. Silenced alarm and will keep an eye on.
- 10/14-PS#2-Cleaned wetwell.
- 10/16-PS#1-Replaced exhaust fan in drywell.
- 10/18-Raked leaves at lift stations.
- 10/25-PS#3-Power failure. Connected generator. Out until 1805.

Sodium Hypochlorite System

- 2313 gallons used this month.
- 2238 gallons used last month.
- 10/25-5225 gallons delivered.

Call-outs

- 10/18-2125-Secondary building alarm. Stewart in. Everything looked normal. Valve had shut for unknown reasons and then reopened.

Plant

- 10/1-Got discharge elbow support for septage receiving station installed. Station back in service.
- 10/15-Cleaned north contact tank.
- 10/23-Cleaned south contact tank.

- 10/29-?-Jenkins painting here pressure washing, priming and painting roof of operations and hypo buildings.

Pretreatment

- All regular monthly routines complete.

Other

- 10/2-Public Works jetted overflow structure discharge line. Found log in the discharge pipe.
- Week of 10/7-Quarterly sampling.
- 10/15-Arne rewired transducer at manhole M-1.
- 10-16-Lowered headworks screen level start differential back to 1.7' for the winter.
- 10/16-Headworks screen 2 hopper overflowing. Pulled inspection plate and found brushes gone. Called JWC since they lasted only a couple months.
- 10/17-Started pulling apart headworks screen 2 auger assembly.
- 10/24-Solmar (Maul Foster contractor) here to do depth survey of lagoon.
- 10/30-Tim Lammers (CRPUD), Christian Minor and James Roe (ESIP) down to look over energy savings for the last couple months.
- 10/31-Uwe, with JWC, here to look over screen #2 auger. Found the auger has worn too much and can no longer seat brushes correctly. Brett and Keith down to weld in place and we'll need to order new auger.
- Septage receiving station flow light not working. It stays on when no flow and shuts off with flow. Will have electrician look at it next time one is around.

Next Month

- Interview for Pretreatment position.