

Board Work Session Minutes

August 1, 2023

WORK SESSION - 6:30 PM

CALL TO ORDER

Commissioners Present: Jim Doane, PE; Jim Duggan, PE; Carl Fisher; Elliot Lisac, Todd Sanders

Staff Present: Tom Hickmann, Chief Executive Officer; Clark Balfour, General Counsel; Paul Matthews, Chief Financial Officer; Pete Boone, PE, Chief Operating Officer; Dave Kraska, PE, Water Supply Program Director; Andrew Carlstrom, Customer Service Manager; Andrea Watson, Communications and Public Affairs Supervisor; Tim Boylan, IT Services Director and Sam Kaufmann, District Recorder.

ANNOUNCEMENTS

Tom Hickmann presented his CEO announcements and described the recent visit from Open as well as the recent open houses focused on TVWD rate increases.

DISCUSSION ITEMS

A. Willamette Water Supply System Commission Update. Staff Report – David Kraska, P.E. Willamette Water Supply Program Director

David Kraska presented his update on the Willamette Water Supply Commission.

Mr. Kraska gave a detailed report on the Willamette Water Supply Project fiscal year 2023 underspend analysis.

Tom Hickmann felt it would be beneficial to engage with the Water Supply Committee regarding the underspend analysis.

ADJOURNMENT

ADSCORNINENT		
There being no further business, Preside	nt Sanders adjourned the meeting	g at 7:26 p.m.
Todd Sanders, President	Jim Doane, Secretary	



OPEN VISIT

Last week, TVWD's Customer Information System vendor, Open International, was onsite to discuss the past year's successes, current challenges, and next steps. TVWD, CWS, and Open are working together to chart a path of continuous improvement to maximize our shared investment in the billing system.

2 | CEO Announcements

TUALATIN VALLEY

RATE OPEN HOUSE SESSIONS

As a reminder, TVWD's next virtual forum sessions will be held noon, August 2 and 17, and focus on water rate increases. Pre-registration is not required. You can find the link at: www.tvwd.org/talkingwater.

In addition, an in-person rate open house is scheduled for Saturday, August 5, 9:00am, at TVWD headquarters.

3 | CEO Announcements



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BOARD COMMUNICATIONS LOG

There was one update to the Board Communications Log this month. Notes from the June 28th Finance Committee meeting were transmitted to Commissioners.

4 | CEO Announcements

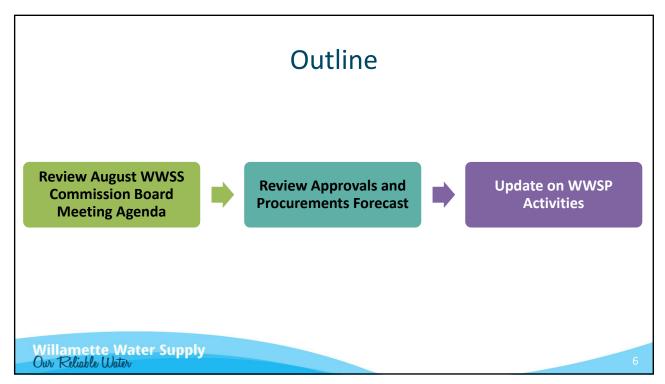




Willamette Water Supply System Commission Update

TVWD Board Work Session
August 1, 2023

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REVIEW AUGUST WWSS COMMISSION BOARD MEETING AGENDA

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Willamette Water Supply System Commission August 1, 2023 Board Meeting Agenda

- 1. Executive Session
- 2. General Manager's Report
- 3. Public Comment
- 4. Consent Agenda
 - A. Approve the June 1, 2023 meeting minutes
- 5. Business Agenda
 - A. Approve Communications and Outreach Service Contract Amendment
- 6. Information Items
 - A. Planned October Business Agenda items
 - B. The next Regular Board Meeting scheduled on October 5, 2023

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Approvals and Procurement Forecast for June – October 2023

Program Baseline or Related Plans

Description	Program Director	WWSS Management Committee	WWSS Commission Board	
None				

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Approvals and Procurement Forecast for June – October 2023

Real Estate

Description	Program	WWSS Management	WWSS Commission	
	Director	Committee	Board	
None				

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Approvals and Procurement Forecast for June – October 2023

IGAs, MOUs, Permit Commitments

City of Sherwood

- DCS_1.0 Broadband Services IGA (June)
- WTP_1.0 Financial Security Assurance for Sherwood Public Improvements (August)

City of Wilsonville

 Ground Lease for Raw Water Pipeline, Amendment No. 2 (June)

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Approvals and Procurement Forecast for June – October 2023

Contracts

Title	Goal	Value	Key Dates
None			

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Approvals and Procurement Forecast for June – October 2023

Contract Amendments and Change Orders*

Title	Goal	Value	Key Dates
WWSP Program and Construction Management Services FY 2024 Annual Work Plan	Approve scope, staffing, and fee for program and construction management services for FY 2024	\$23.2M	WWSS Board Approval: 6/1/2023
Communications and Outreach Service Contract Amendment	Provide continuing public outreach during the term August 1, 2023 through June 30, 2024	\$531k	WWSS Board Approval: 8/3/2023

*having values higher than the Program Director's authority

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Approvals and Procurement Forecast for June – October 2023

Local Contract Review Board Rule Exemption

Title		WWSS Management	WWSS Board	WWSS Board
		Committee Approval	Informational Item	Consider Approval
	None			

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UPDATE ON WWSP ACTIVITIES

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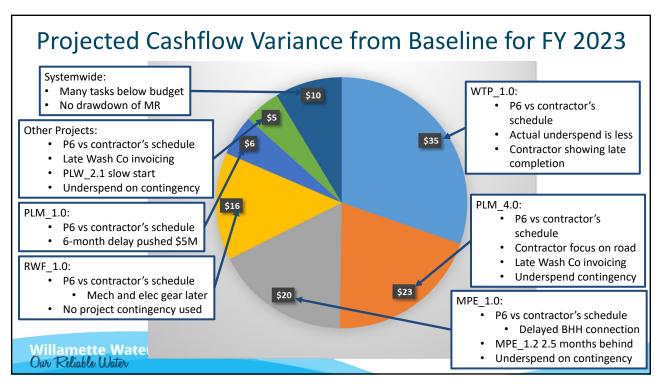
Fiscal Year 2023 Underspend Analysis

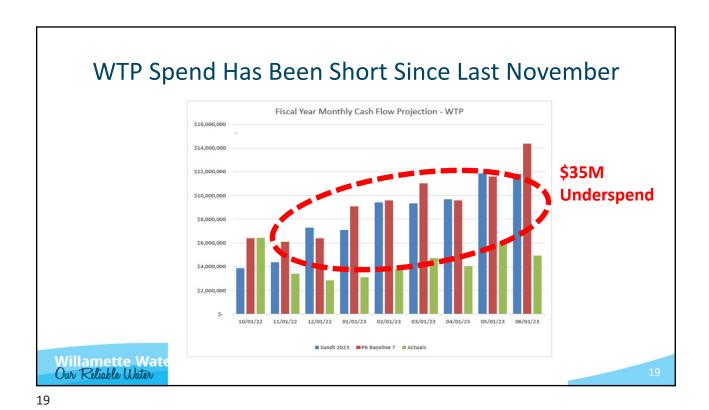
- Planned FY 2023 spend per Baseline 7.1: \$431M
- Actual spend through June 30, 2023: ~\$280M
- Categories of underspend:
 - Actual costs lower than budget
 - Differences between our P6 schedule and the contractor's schedule
 - Projects that are behind but on track to finish on time
 - Project with some schedule concerns

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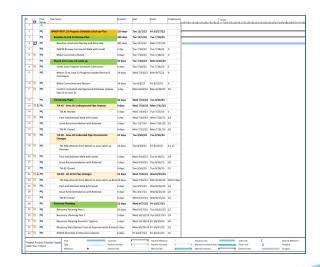
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WTP Team Working on Corrective Action Plan

- Agreed on plan with contractor
- Resolve three Time Impact Analyses
 - Ductile iron pipe
 - Underslab pipe encasement
 - DIP-related delays
- Address schedule quality issues
- "In-time" completion will likely require acceleration



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WWSP Will Improve Forecasting and Reporting

- Account for differences between P6 and the contractors' schedules
- Improved monthly updates to account for real-time changes in the field
- Due to timing of Baseline preparation, achieving perfect alignment with actual spend timing will remain elusive
 - September-November data for next Baseline collected
 - January obtain approval of Baseline to seek Board approval
 - February-April request Board approval of next Baseline
 - April-June Partners update financial plans for new Baseline
 - July new fiscal year based on information from last fall

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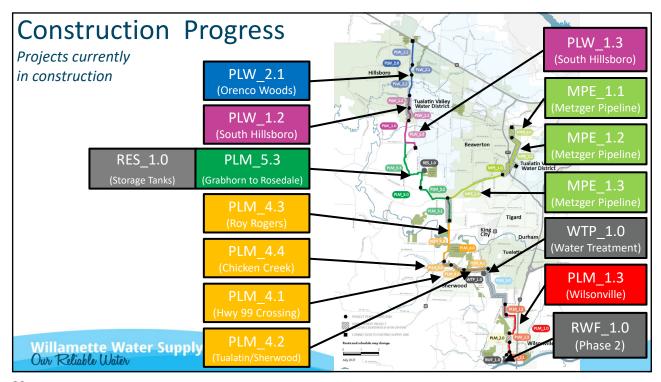
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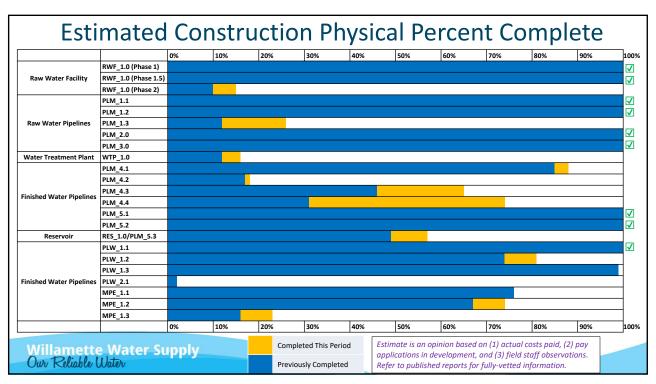
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WWSP CONSTRUCTION UPDATES

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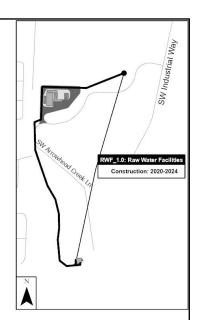
RWF_GMP-2.0

Contractor: Kiewit Infrastructure West Co.

Designer: Black & Veatch

Current and Planned Activities:

- Installing cement masonry unit (CMU) block walls at Electrical Building
- Beginning install of structural steel embeds in CMU
- Completed concrete placement for Transformer slab and for Surge Tank slab
- Electrical subcontractor working on electrical duct banks and embedded conduits
- Began footing for perimeter wall along west property line
- Completed turnover of Lower Site park maintenance to City of Wilsonville Parks Department



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Construction Photos – RWF_GMP-2.0

Upper Site: Electrical Building and ancillary structures progress.



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Construction Photos – RWF_GMP-2.0

Upper Site: Electrical Building CMU wall progress. Backfilling around Transformer slab.



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Construction Photos – RWF_GMP-2.0

Upper Site: Excavation for perimeter wall footing.



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PLM_1.3

Contractor: Moore Excavation Inc.

Designer: HDR

Current and Planned Activities:

- Completed tunnel and carrier pipe under Wilsonville Road
- Continued 66" open cut waterline on north end of 95th Avenue – 3600 LF (30%) installed
- Starting 66" open cut waterline on Kinsman Road in late July



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Construction Photos - PLM_1.3

Waterline installation on 95th Avenue



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66-inch carrier pipe installation at Wilsonville Road trenchless crossing



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WTP_1.0

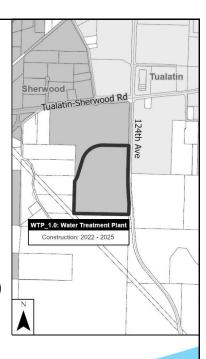
Contractor: Sundt Construction, Inc.

Designer: CDM Smith

Current and Planned Activities:

- Electrical duct bank along Orr Drive nearly complete (crossed 124th Avenue toward PGE connection)
- Continued yard piping and concrete pipe encasements
- Continued wall concrete placements at Area 30 (UV building).
- Grading for concrete slab at Area 35 (Clearwell)
- Continued wall and slab concrete at Area 37 (EQ Basin)
- Continued wall concrete placements at Area 53 (Finished Water Pump Station).

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Construction Photos - WTP_1.0

WTP_1.0 site looking south



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Area 28 & 30 Under slab Piping



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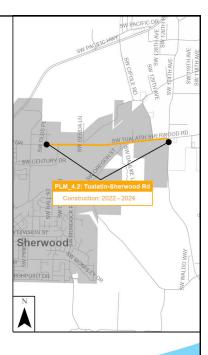


PLM_4.2

Partner: Washington County Contractor: Kerr/Emery JV Designer: Brown & Caldwell

Current and Planned Activities:

- Traffic has shifted to the south side of Tualatin-Sherwood Road along the WWSP alignment
- Tree removal and demo has started on the north side
- WWSP submittals
- WWSP work scheduled to start August/September



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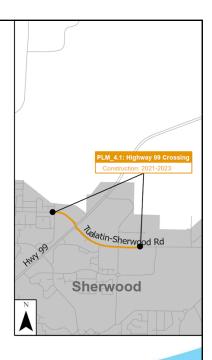
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PLM_4.1

Partner: Washington County Contractor: Moore Excavation Inc. Designer: Brown & Caldwell

Current and Planned Activities:

- 66" waterline is completely installed
- Appurtenance piping and vaults
- Cathodic protection system installation
- Continue road widening along the south side of Tualatin-Sherwood Road



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Constructing blowoff at Baler Way and Tualatin-Sherwood Road



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Construction Photos – PLM_4.1

Road paving on Roy Rogers Road near Borchers Drive



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Road widening on Tualatin Sherwood Road near Langer Farms Parkway



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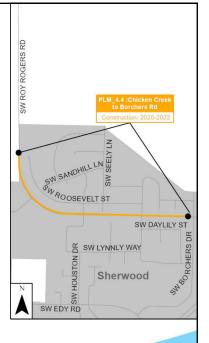
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PLM_4.4

Partner: Washington County Contractor: Tapani Inc. Designer: Brown & Caldwell

Current and Planned Activities:

- 66" waterline installation completed with the exception of the tie-ins to PLM 4.1 and PLM 4.3
- Appurtenances starting in July
- Testing/disinfection scheduled for August



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Setting pipe along Roy Rogers Road near Borchers Drive



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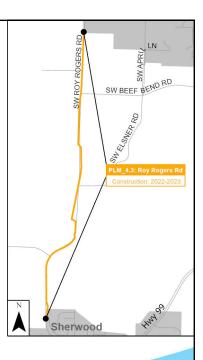
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PLM_4.3

Contractor: Tapani Inc. Designer: Brown & Caldwell

Current and Planned Activities:

- Tualatin River Crossing Tunnel completed and currently installing carrier pipe. Annular space grouting to follow.
- Chicken Creek Crossing shafts complete, setting up for tunneling to begin in late July
- Constructing pipeline access road along west side of Roy Rogers Road, north of Tualatin River Crossing



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Roy Rogers Road at Chicken Creek. Constructing tunnel shafts.



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Construction Photos – PLM_4.3

Chicken Creek Launch Shaft Site



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Chicken Creek Crossing MTBM arriving on site



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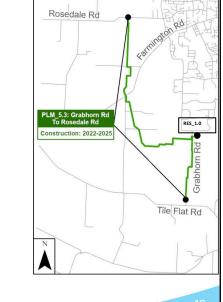
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RES_1.0 / PLM_5.3

Contractor: Hoffman-Fowler JV Designer: Black & Veatch / Jacobs

Current and Planned Activities:

- RES 1.0
 - Reservoir concrete floor slab complete
 - Reservoir wall footing rebar, seismic cables, concrete pours
 - Reservoir: start building wall forms
 - East Valve Vault walls and roof concrete pours complete
 - Flowmeter Vault wall pours complete, form and rebar for roof deck
 - Start installation of 4-inch, 8-inch and 12-inch ductile iron yard pipe
 - Water Quality Building: installation of underground utility conduits
- PLM 5.3
 - Continue installation of 66" waterline approximately 17,500 LF (87%) installed
 - Continue installation of 66" waterline trench cut-off walls, cathodic protection systems & restoration



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Construction Photos – RES_1.0

Section 9 – Reservoir floor pours complete



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Construction Photos – RES_1.0

Section 1 – Reservoir wall footer rebar & seismic cable installation



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66" waterline installation along Grabhorn Road



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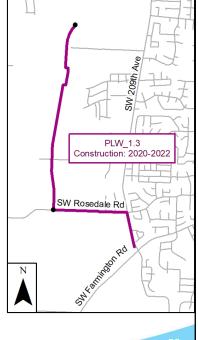
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PLW_1.3

Contractor: Tapani, Inc. Designer: Kennedy/Jenks

Current and Planned Activities:

- Punchlist
- Add power to Butternut Creek turnout site
- Closeout



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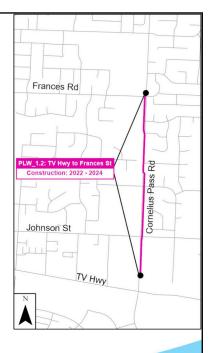
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PLW_1.2

Partner: Washington County Contractor: Tapani, Inc. Designer: Kennedy/Jenks

Current and Planned Activities:

- · Reedville Park Turnout vault and piping installation
- Pressure test and disinfect 18" waterline on Frances Street
- · Cornelius Pass Road base paving



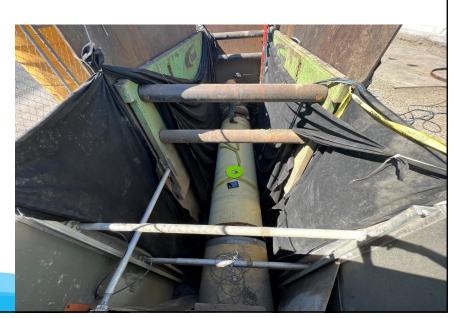
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Construction Photos – PLW_1.2

Connection of 48" waterline to PLW_1.1



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Installation of terminal boards for 48" waterline cathodic protection

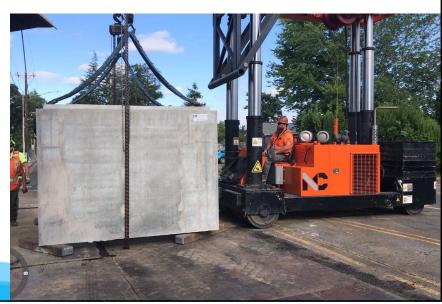


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Construction Photos – PLW_1.2

Precast vault installation at Frances Steet turnout



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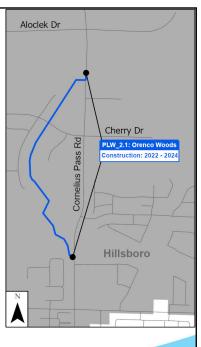
PLW_2.1

Contractor: Moore Excavation, Inc.

Designer: Kennedy/Jenks

Current and Planned Activities:

- Continue mobilization
- Orenco Woods Nature Park construction entrance
- Temporary Rock Creek diversion
- 48" waterline installation within Orenco Woods Nature Park
- Trenchless crossing underneath TriMet Light Rail



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Construction Photos – PLW_2.1

Construction trailers arrive at staging area



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Erosion control installed within Orenco Woods Nature Park



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MPE_1.1

Partner: City of Beaverton Contractor: Moore Excavation Inc. Designer: Brown & Caldwell

Current and Planned Activities:

- · Final paving of Western Avenue completed
- Striping, final signage and ADA ramps
- Street lighting and traffic signal poles at 5th and Allen intersections
- WWSP punch list and closeout for partial substantial completion



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Construction Photos – MPE_1.1

Final paving and landscaping on Western Avenue



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Construction Photos – MPE_1.1

New sidewalks, signal cabinets and landscaping in place at Western / Allen intersection



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MPE_1.2

Contractor: Emery & Sons Designer: Brown & Caldwell

Current and Planned Activities:

- 16" CoB and 24" WWSP waterlines open cut installation on Hall Blvd. (nights)
- 48" waterline and appurtenances on Allen Blvd.
- 48" waterline appurtenances near lower Fanno Creek
- PFC building roof and pond
- · Pavement restoration



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Construction Photos – MPE_1.2

PFC Building CMU walls and steel trusses



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Construction Photos – MPE_1.2

48-inch waterline installation on Allen Blvd.



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MPE_1.3

Contractor: Emery & Sons Designer: Brown & Caldwell

Current and Planned Activities:

- 48" waterline installation on Scholls Ferry Road headed west near 125th Avenue (night work)
- · PGE relocation at Conestoga Road
- Turnout vault at Roy Rogers Road concrete formwork and rebar



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Construction Photos – MPE_1.3

Scholls Ferry Rd. traffic control for waterline installation at 125th Avenue

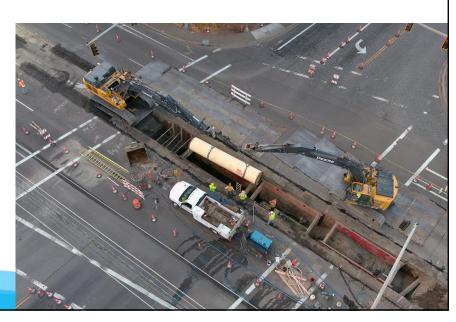


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Construction Photos – MPE_1.3

48" waterline installation at 125th Avenue intersection



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