

Serving our customers

Canyonfalls Creek Pump Station

Public Utility Board Study Session: February 26, 2025

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Canyonfalls Creek Pump Station



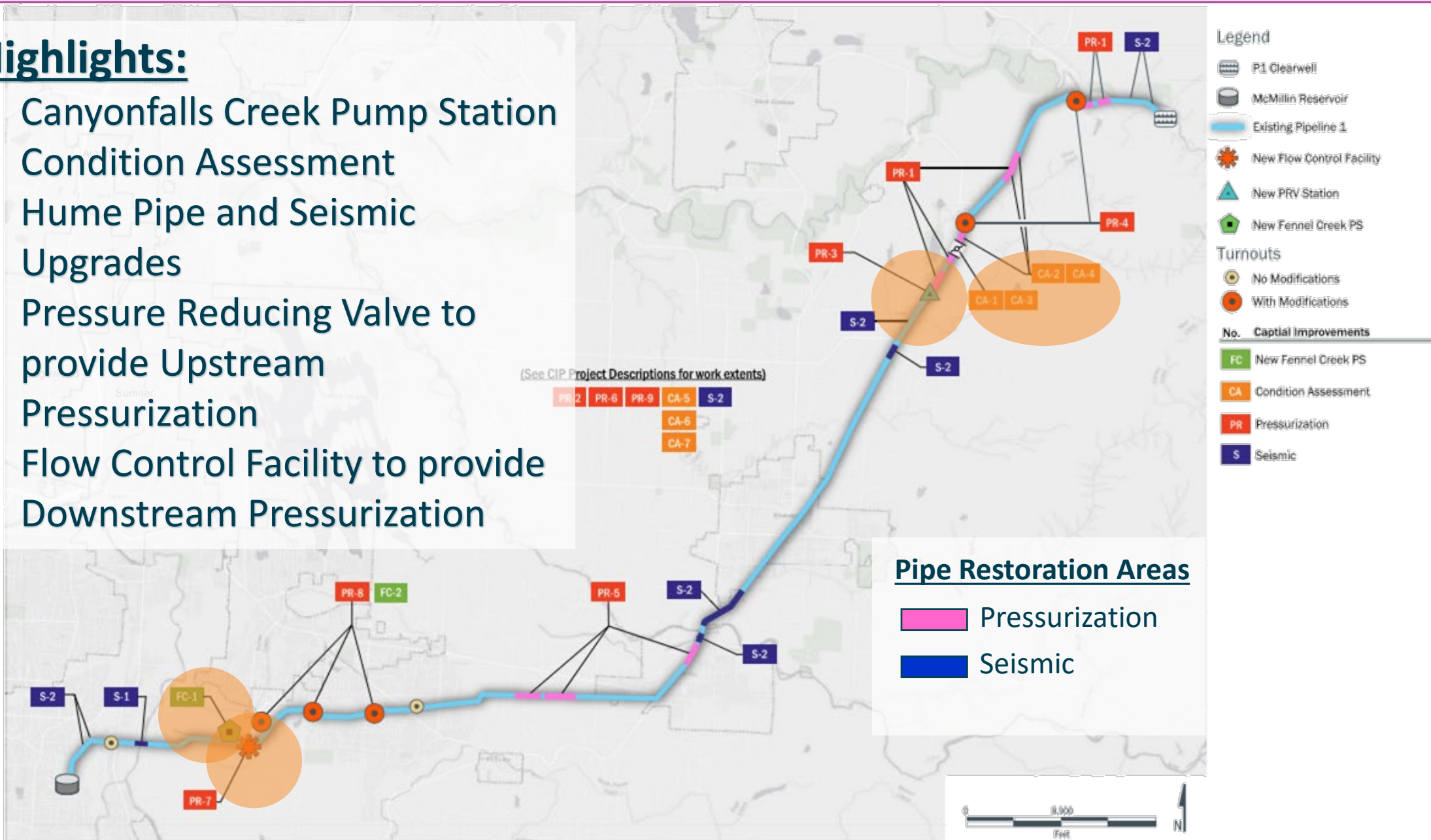
Agenda

- Meeting Purpose - Inform
- Pipeline 1 Program Overview
- Pump Station Overview
- Scope, Schedule & Budget
- Design-Build Team Procurement
- Utility Board Approvals
- Next Steps

Pipeline 1 Program Overview

Highlights:

- Canyonfalls Creek Pump Station
- Condition Assessment
- Hume Pipe and Seismic Upgrades
- Pressure Reducing Valve to provide Upstream Pressurization
- Flow Control Facility to provide Downstream Pressurization



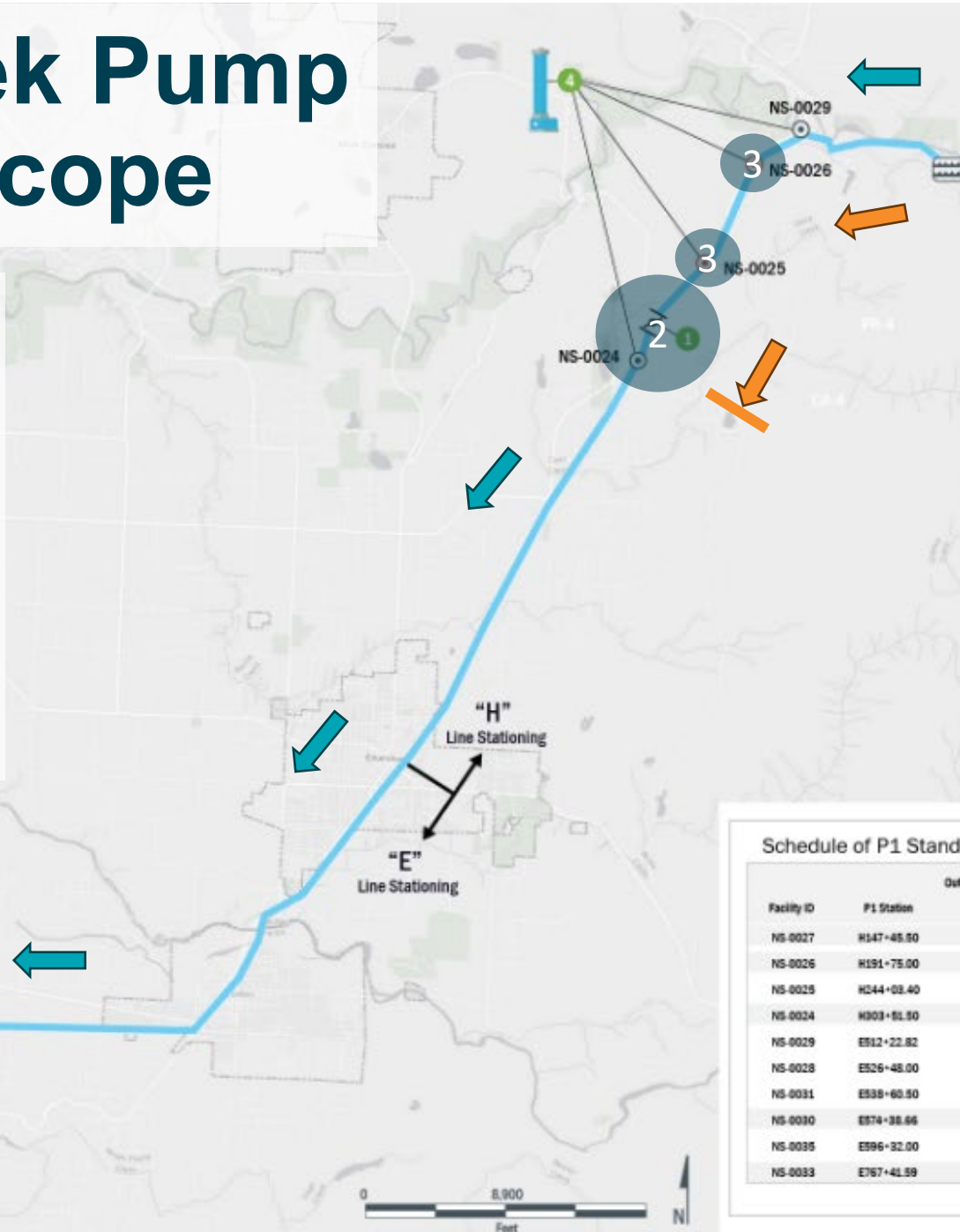
Canyonfalls Creek Pump Station Project Scope

Project Components:

1. The Pump Station.
2. Two New Isolation Valves.
3. Modification of Standpipes.

← Normal Operation

→ Backfeed/Reverse Flow



Legend

- P1 Clearwell
- McMillin Reservoir
- Existing Pipeline 1
- Canyonfalls Creek PS
- New P1 Isolation Valve
- P1 Standpipe

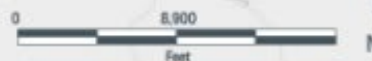
No. Capital Improvements

- Construct Cumberland Valve and Perform Forensic Study / Condition Assessment on Existing Hume Pipe
 - Construct 214th Valve
 - Construct Canyonfalls Creek PS
 - Standpipe Remote Site with Probability of Need for Modifications under CCPS Project
- Very Likely
 - Possible
 - Not Likely
 - No Modifications

Schedule of P1 Standpipes and Associated Improvements

Facility ID	P1 Station	Outlet to Standpipe Diameter (in)	P1 Material at Outlet	Approx. Standpipe Height* (ft.)	Tacoma As-built Ref. Drawing
NS-0027	H147+45.50	52	Steel	20	9-26-2
NS-0026	H191+75.00	30	Concrete	20	529-B
NS-0025	H244+03.40	4	Concrete	10	10-99
NS-0024	H303+51.50	30	Concrete	20	1748-B
NS-0029	E512+22.82	8	Steel	20	10-99
NS-0028	E526+48.00	8	Steel	20	10-99
NS-0031	E538+60.50	8	Steel	25	10-99
NS-0030	E574+38.66	4	Concrete	15	10-99
NS-0035	E596+32.00	36	Steel	25	2-46-3
NS-0033	E767+41.59	30	Steel	15	N/A

*above ground surface



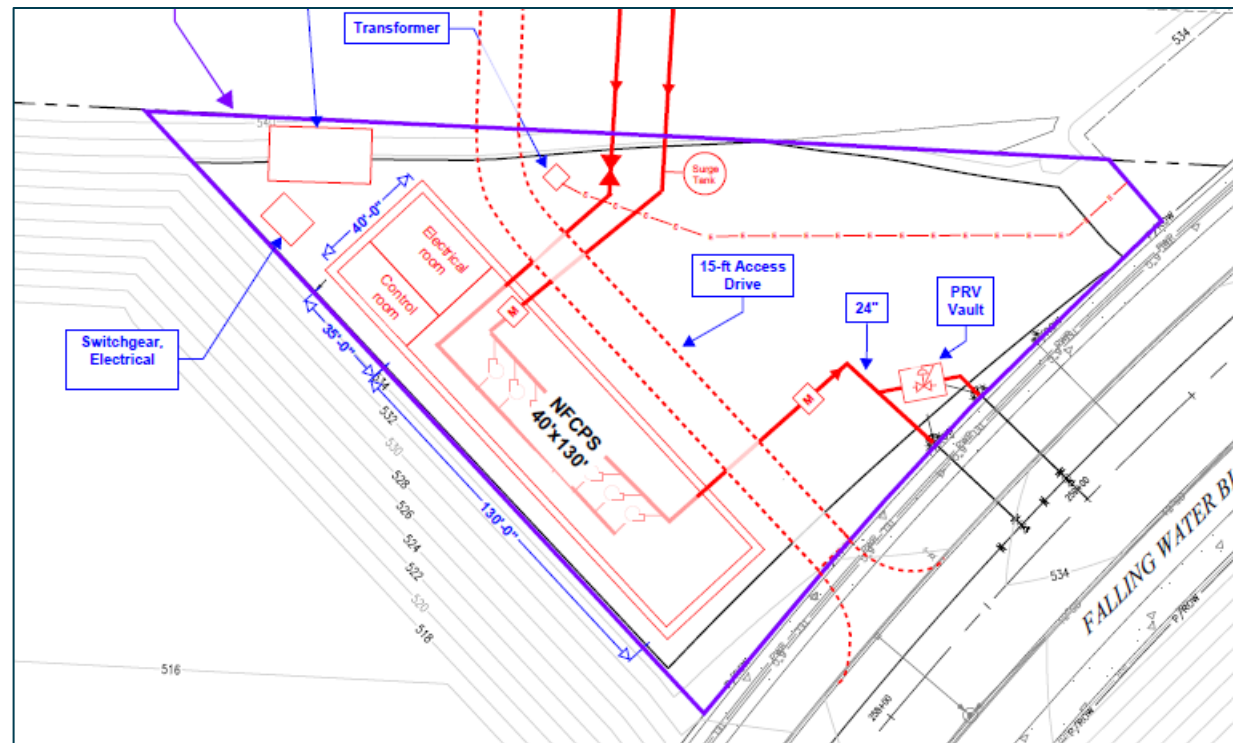
Canyonfalls Creek Pump Station

Schedule

- 2024 – Design-Build Procurement
- 2025-2026 Design
- 2026-2027 Construction

Budget

- \$10M for design and construction of pump station and other improvements
- \$3.5M low-interest loan secured from Public Works Board



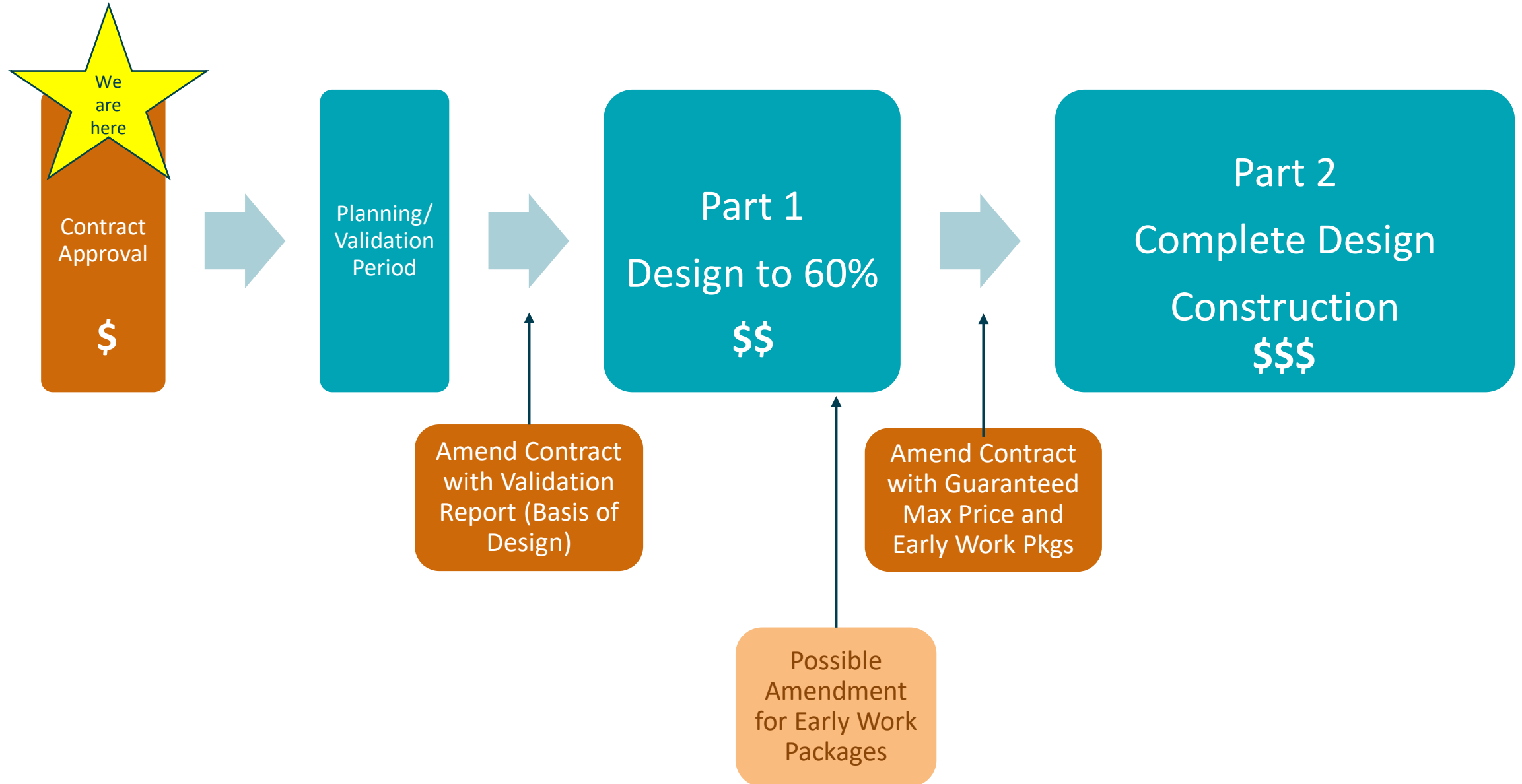
Progressive Design Build

Design-Build Team Selection

- Design-Build RFQ – 5 Respondents
- Design-Build RFP – Issued to 3 Finalists
- Final Selection –
Tapani, Inc. (Contractor)
Windsor Engineers (Designer)
- Owner's Advisor – Brown and Caldwell



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Next Steps

Planning/Validation Commences

- **Contract Approval: March Utility Board Meeting**
- **Planning/Validation: April 2025 – July 2025**
- **Amend Contract: August 2025**

Progressive Design-Build Part 1

- **Begin Design: August 2025**
- **Negotiate Guaranteed Max Price: Q1 2026**
- **Amend Contract: Q1 2026**

Progressive Design-Build Part 2

- **Release Early Work Packages: 2026**
- **Construction: 2026/2027**



941T
DEPT. OF PUBLIC UTILITIES, TACOMA, WASH., IRA S. DAVISSON, COMMISSIONER

Canyonfalls Creek Pump Station

- Questions/Comments?



1920's-1930's



2024