



ELLIOTT BAY SEAWALL PROJECT

Seattle City Council

Central Waterfront, Seawall and Alaskan Way Viaduct
Replacement Program Select Committee

September 8, 2014

TODAY'S AGENDA



- 1. Season 1 status update**
(current activities)
- 2. Final prep for Season 2**
(Starting Oct 2014)
- 3. Project risks update**
- 4. Next steps**





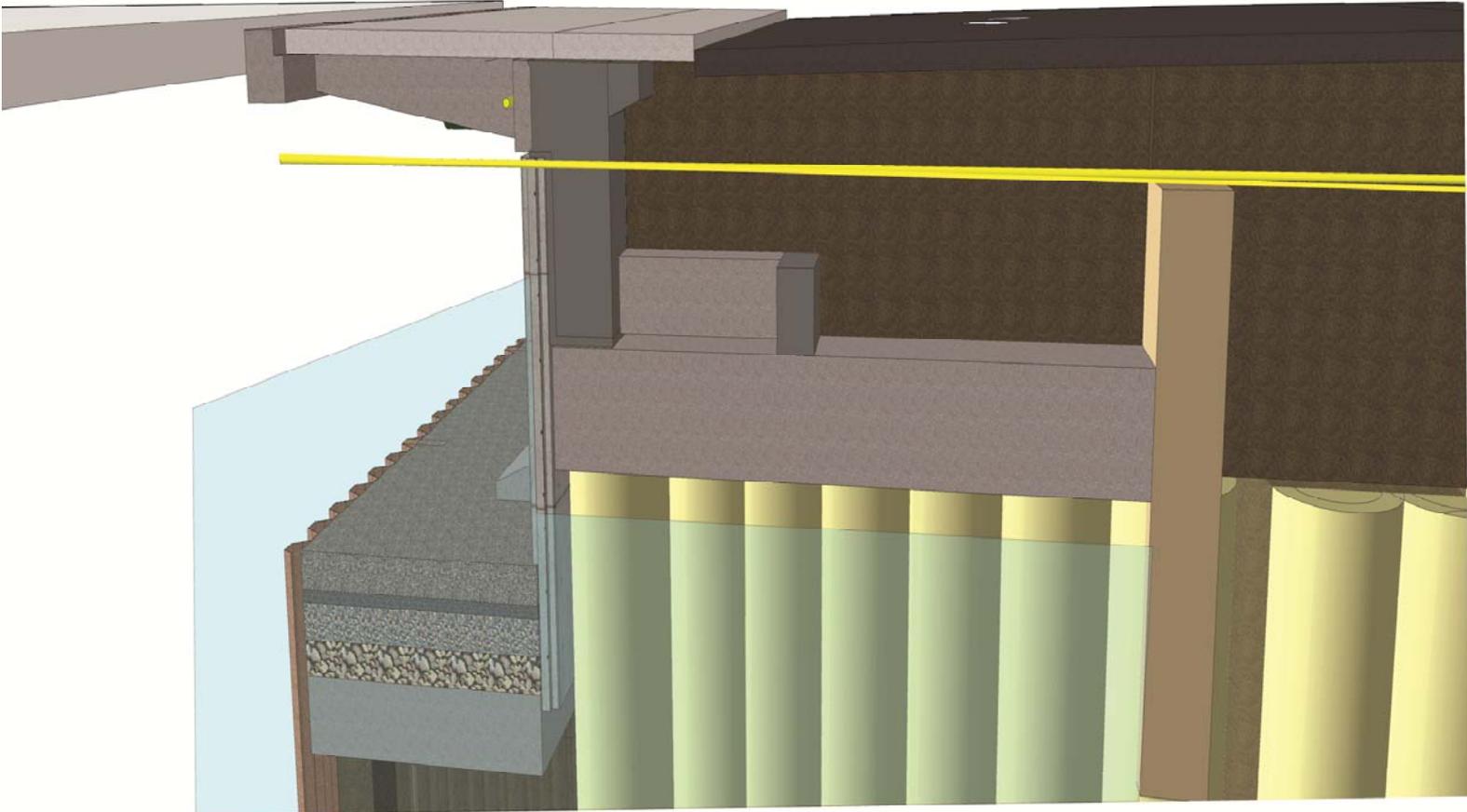
SEASON 1 UPDATE

MILESTONES TO DATE

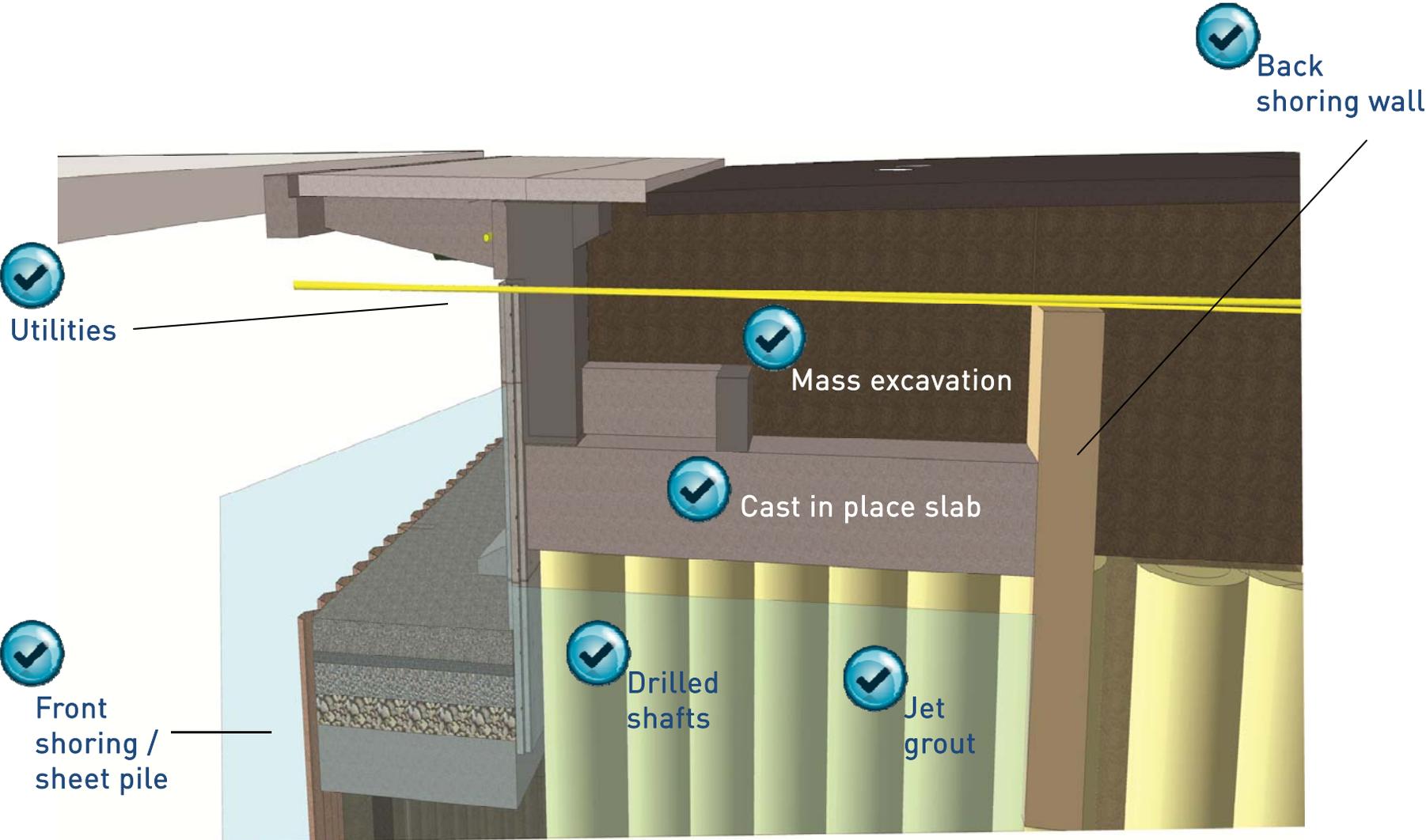


- 9.5 months of construction = 39.5 weeks or 237 days
- 128,769 total labor hours
- Community Workforce Agreement / Workforce Diversity
 - 15% women (12% goal)
 - 30% people of color (21% goal)
 - 18% distressed zip codes (15% goal)
 - Workers from distressed zip codes earned \$775,000 in wages, bringing those dollars back to their communities

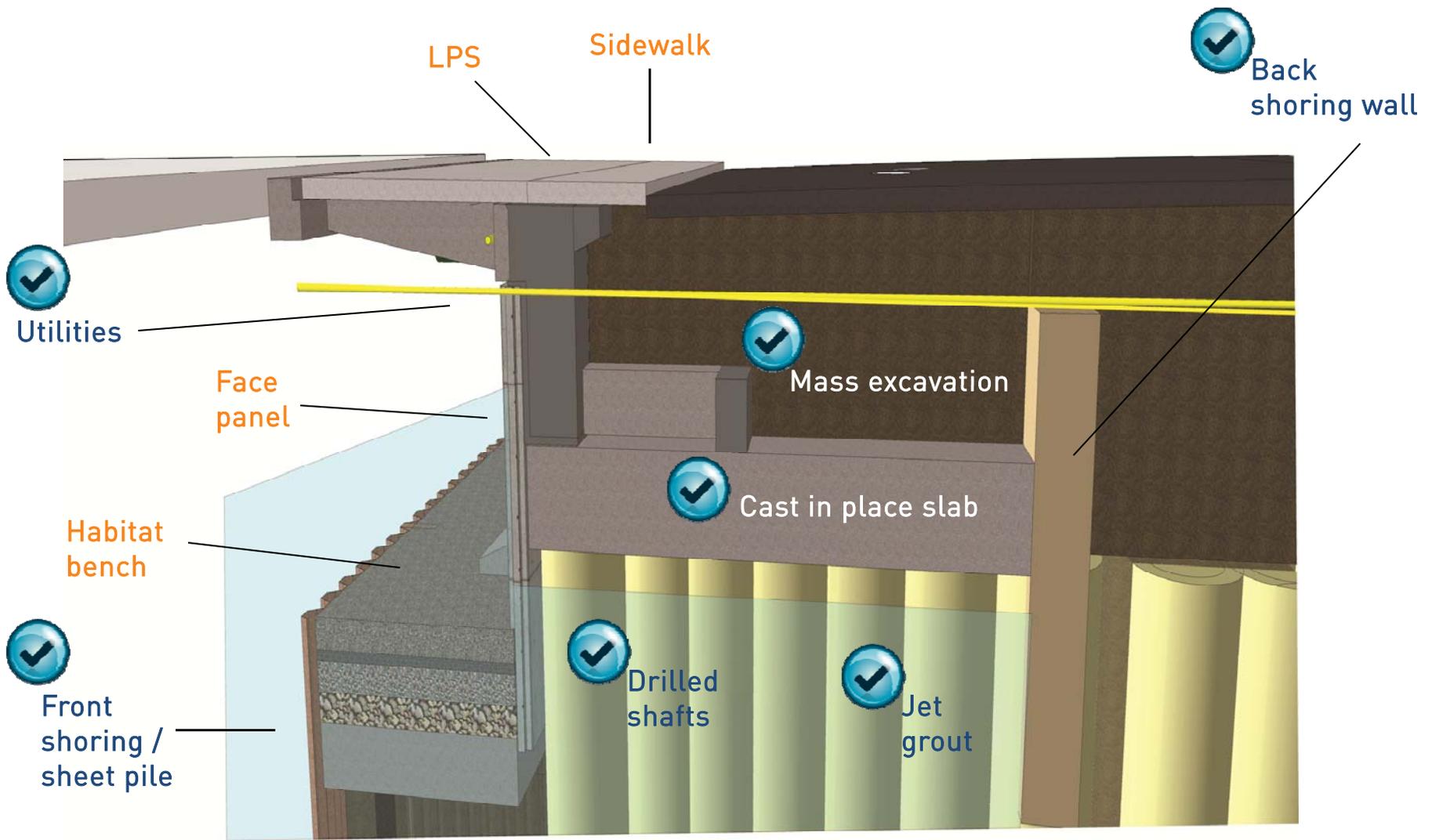
SEAWALL ASSEMBLY PROGRESS SOUTH OF COLMAN DOCK



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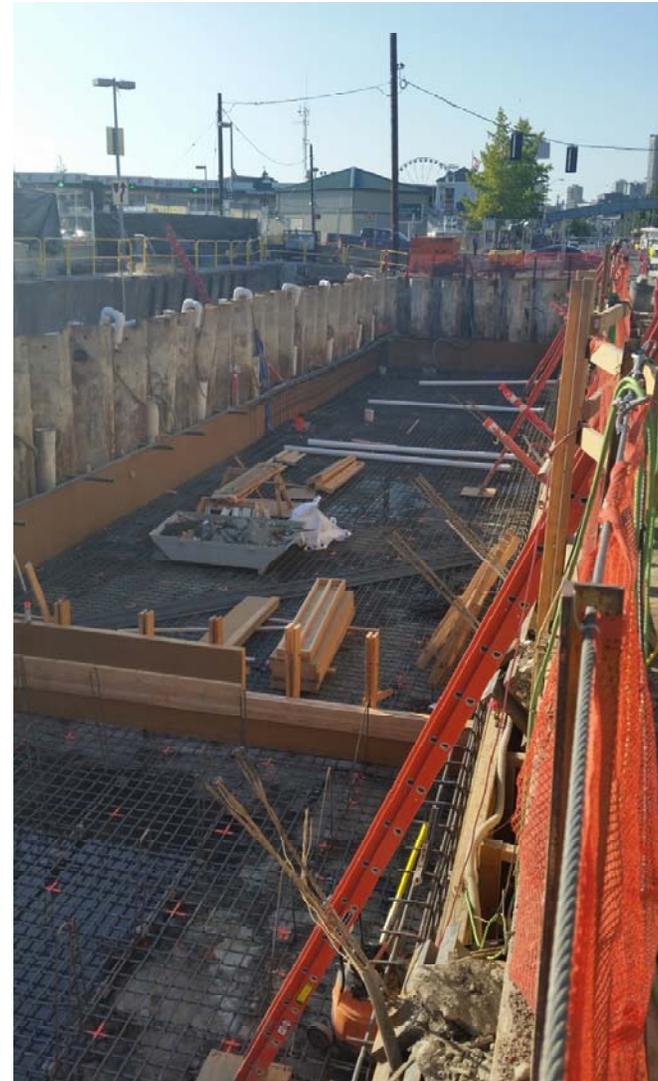
SEAWALL ASSEMBLY PROGRESS SOUTH OF COLMAN DOCK



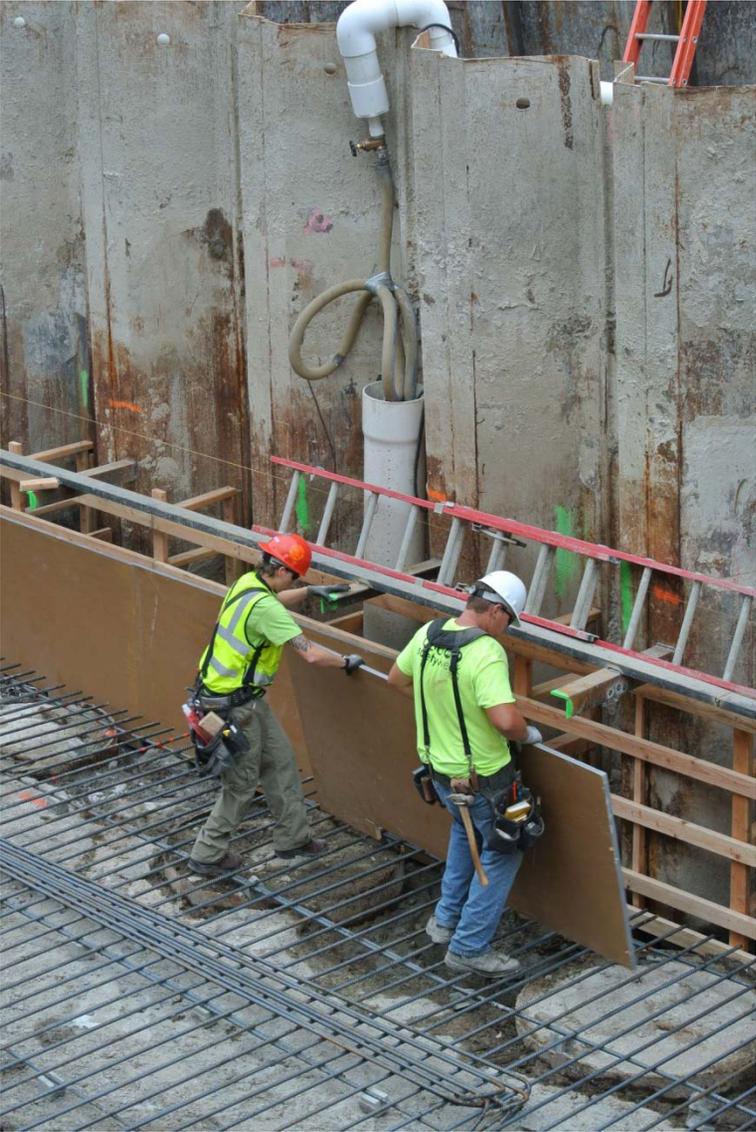
SUMMER CONSTRUCTION



- **Continued work south of Colman Dock through Summer**
 - Cast-in-place slab complete
 - Pre-cast work on-ongoing
 - Marine mattress fabrication in progress
- **Under pier utility work continues**



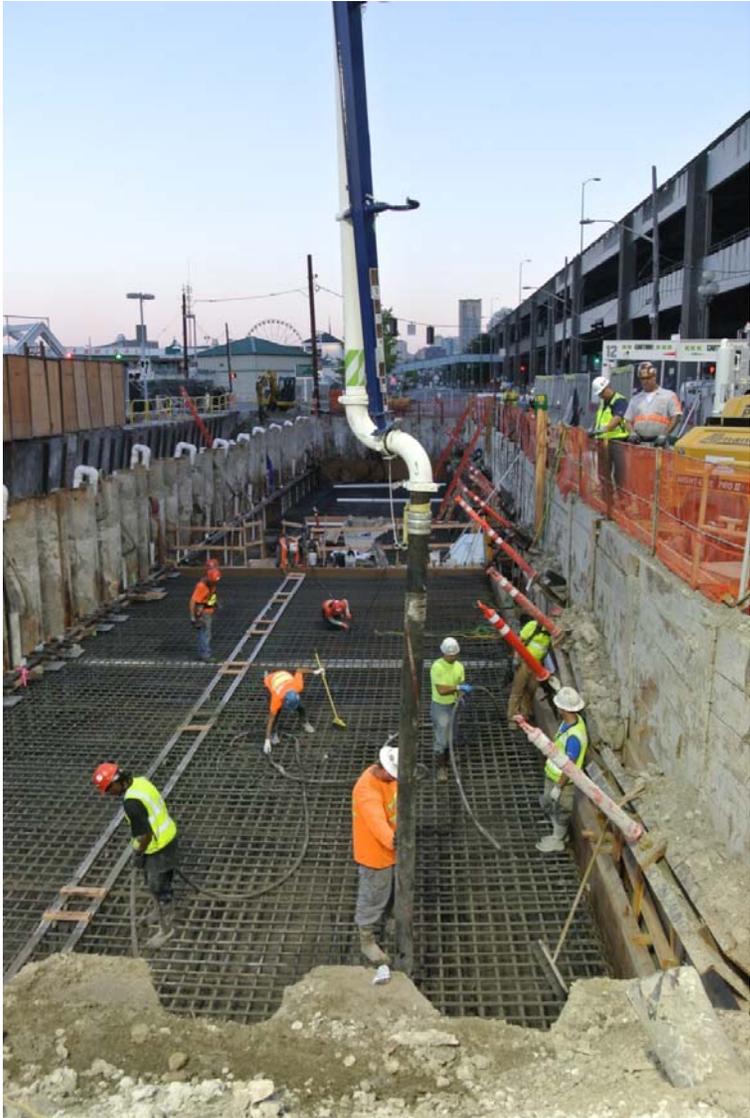
CAST-IN-PLACE SLAB



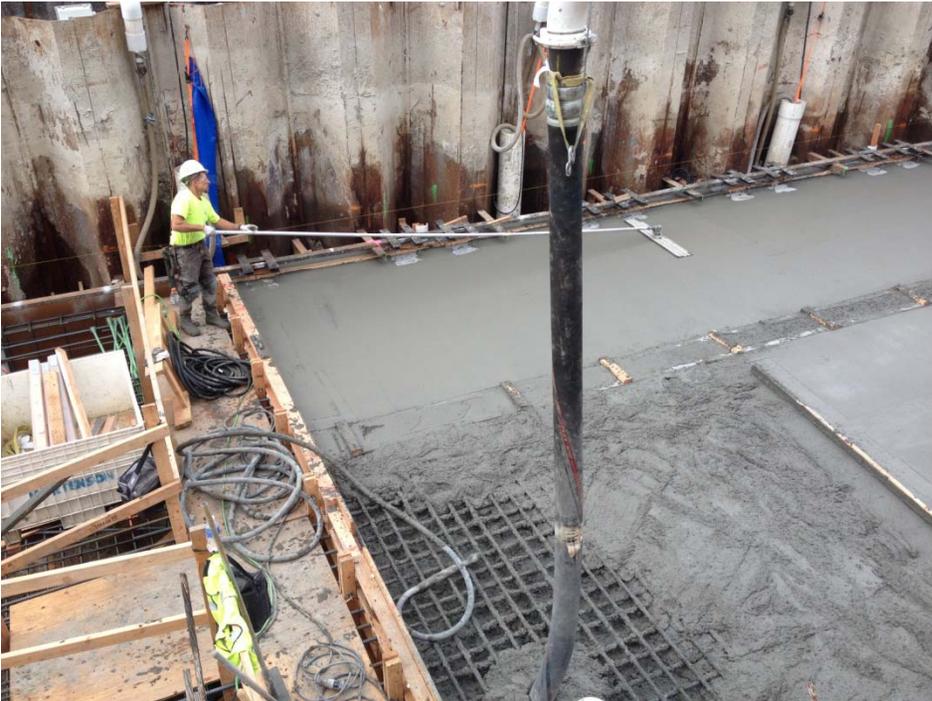
CAST-IN-PLACE SLAB



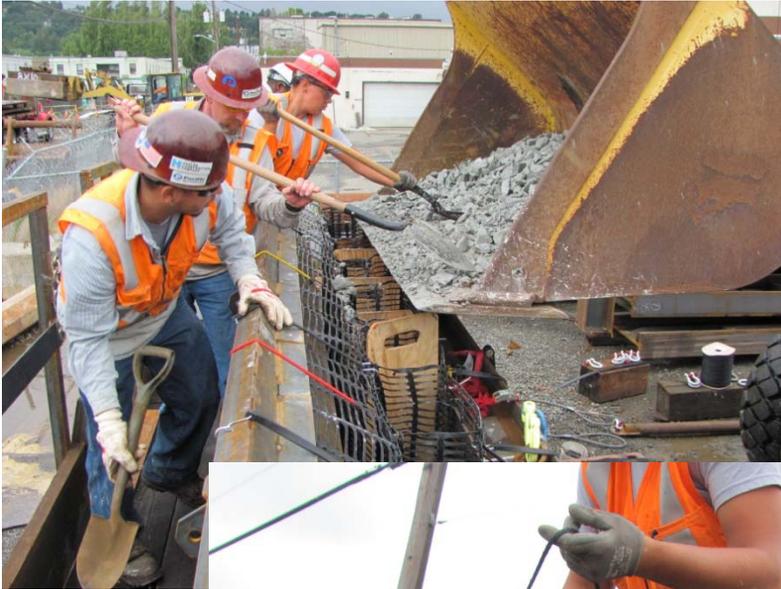
CAST-IN-PLACE SLAB



CAST-IN-PLACE SLAB



MARINE MATTRESSES



WATER TREATMENT



Water treatment facility south of Colman Dock



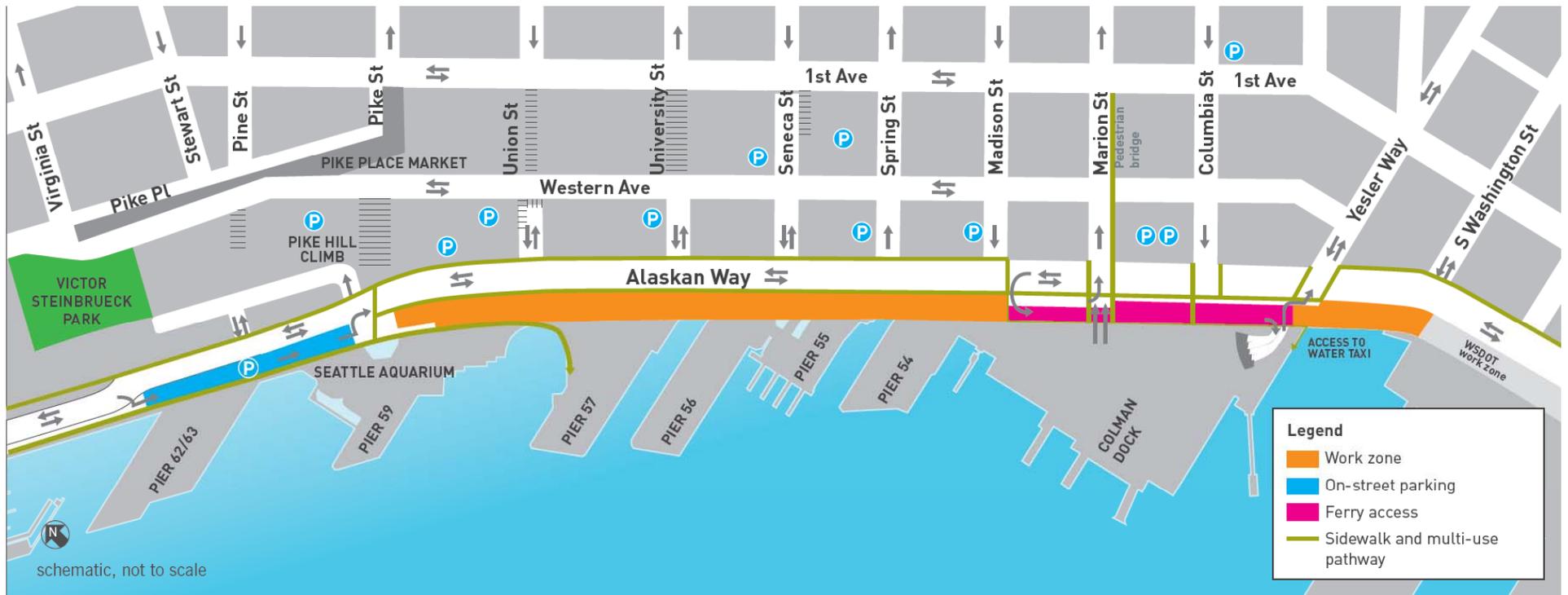
CONTINUED UTILITY WORK



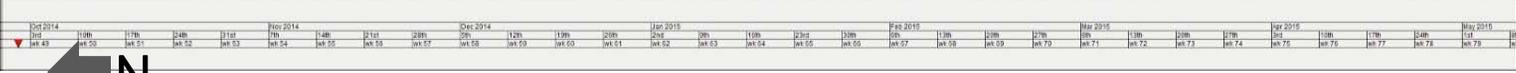
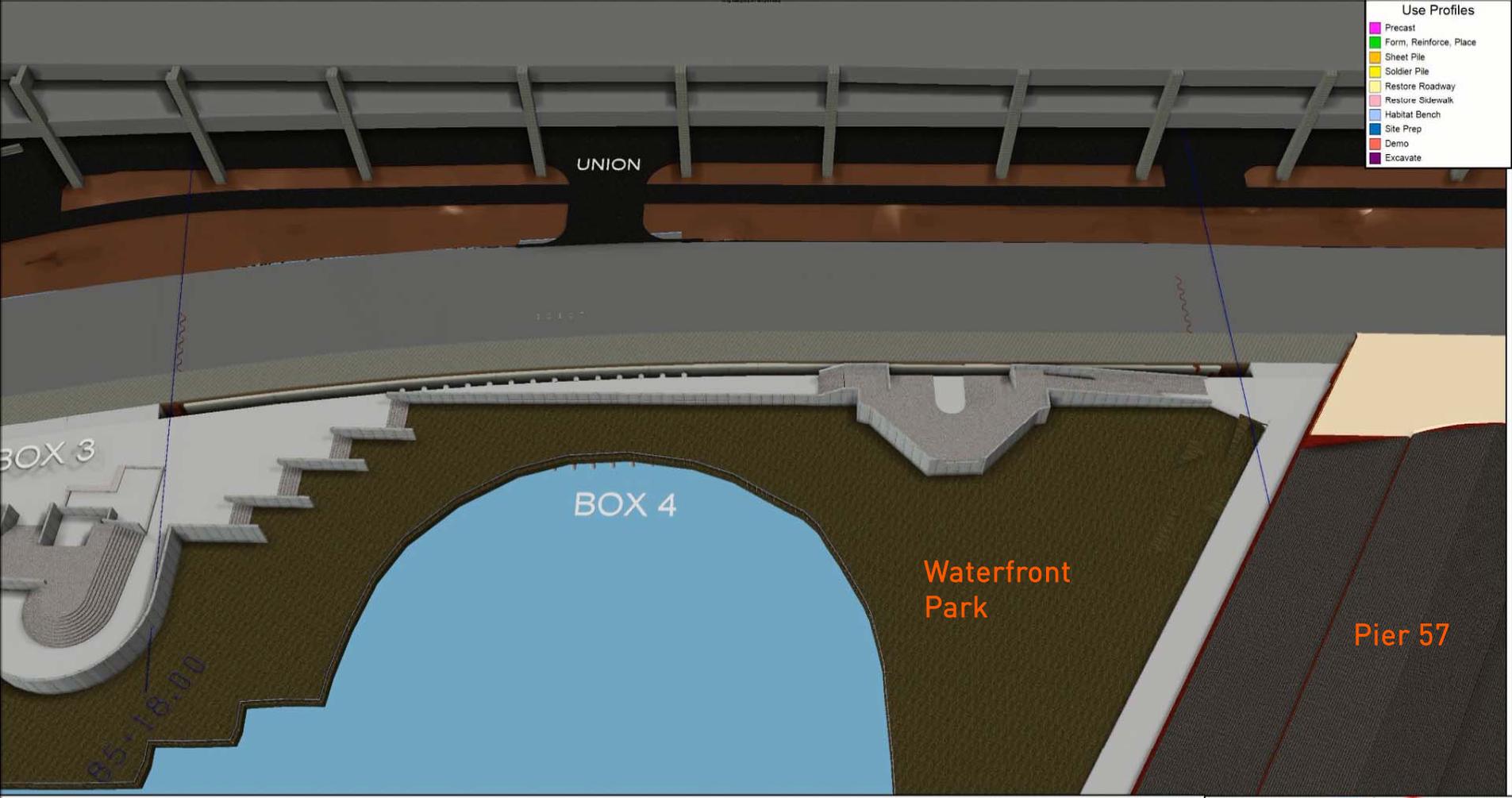


FINAL PREP FOR SEASON 2

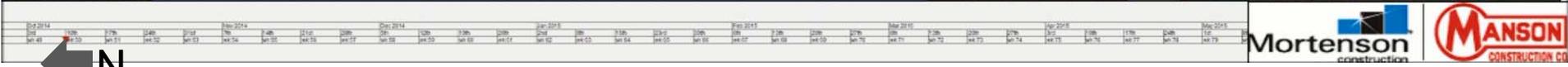
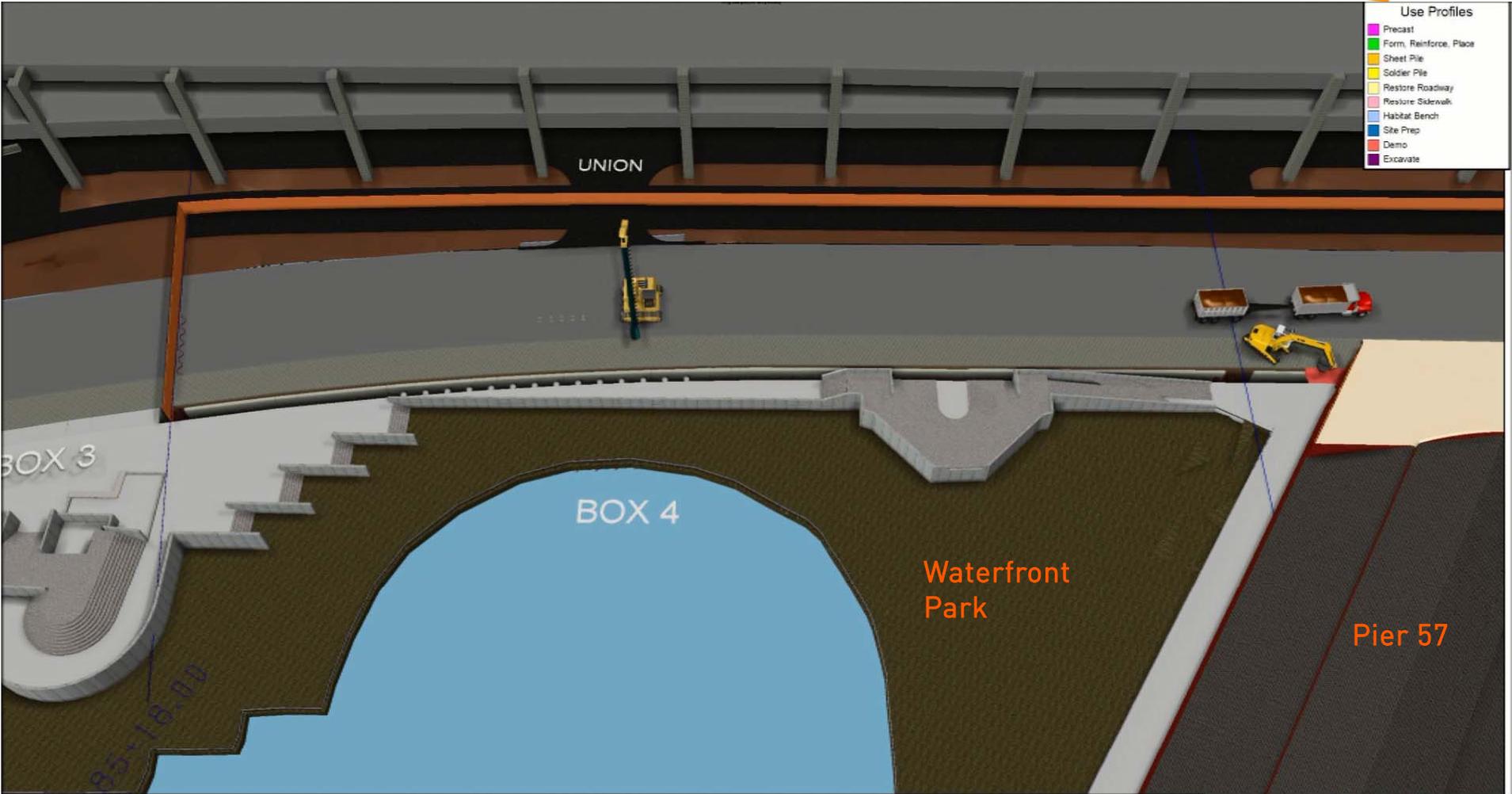
STARTING OCTOBER 1: PIKE TO MADISON (THROUGH JUNE 2015)



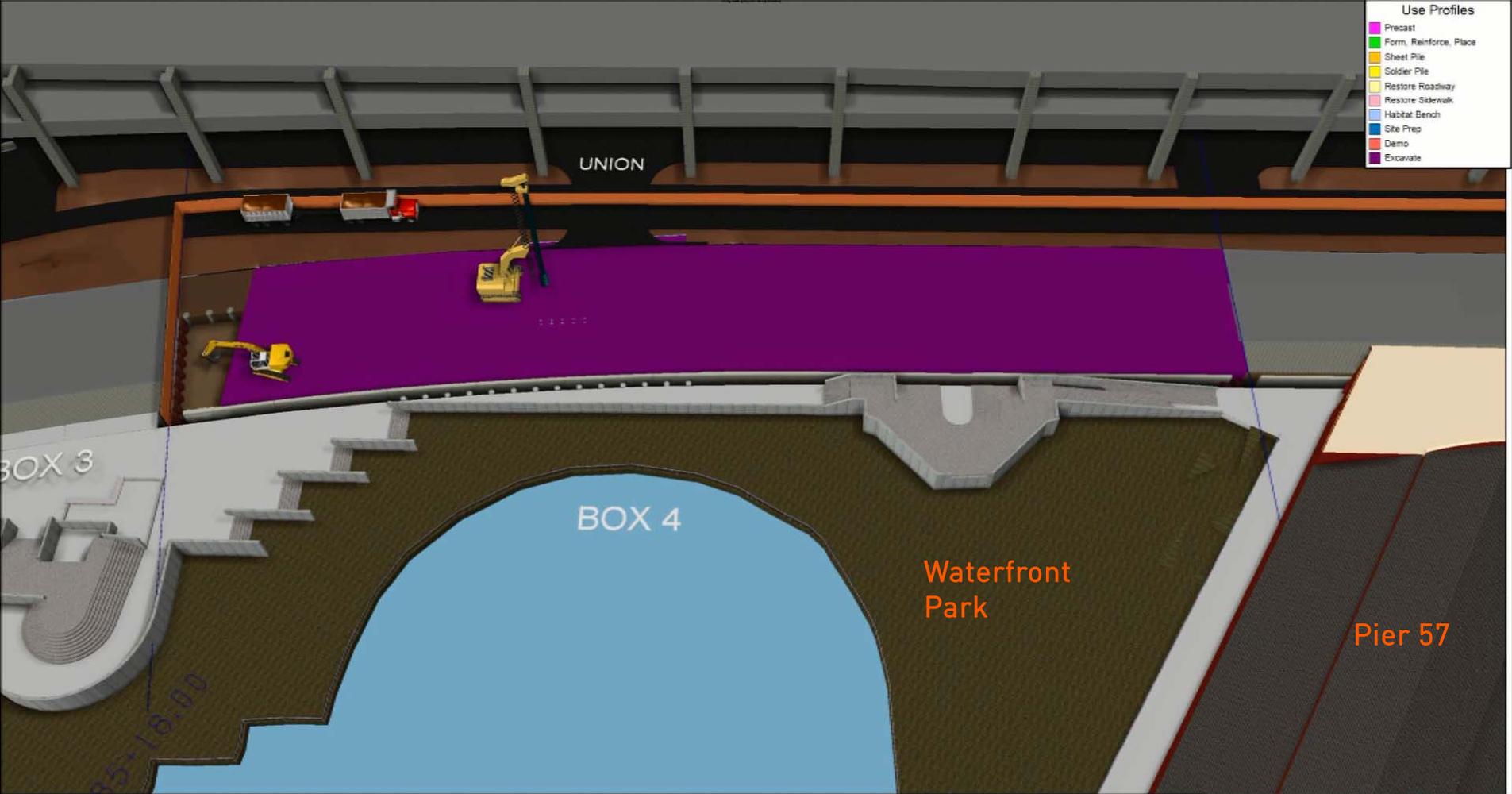
CONSTRUCTION SEQUENCE



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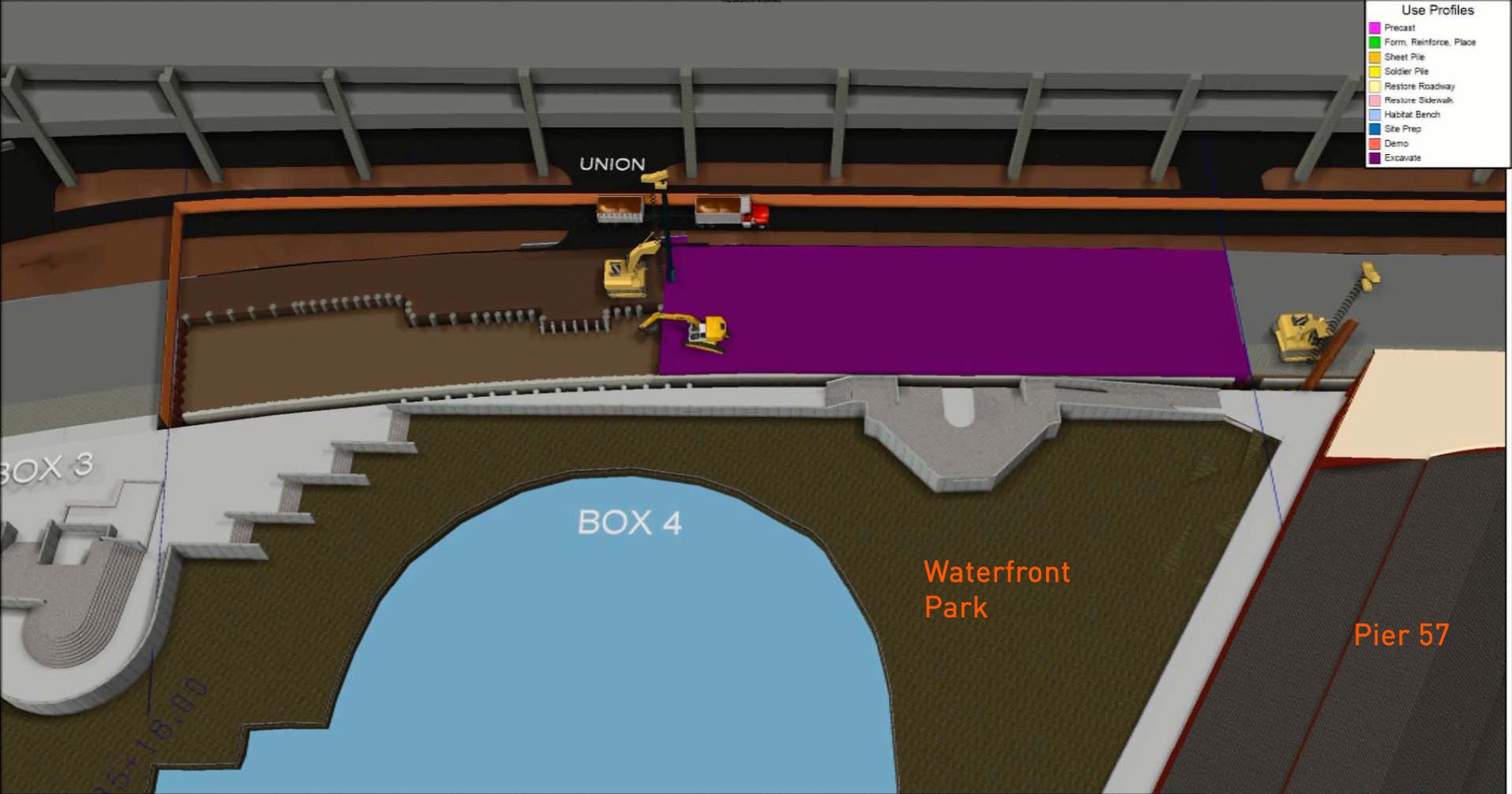
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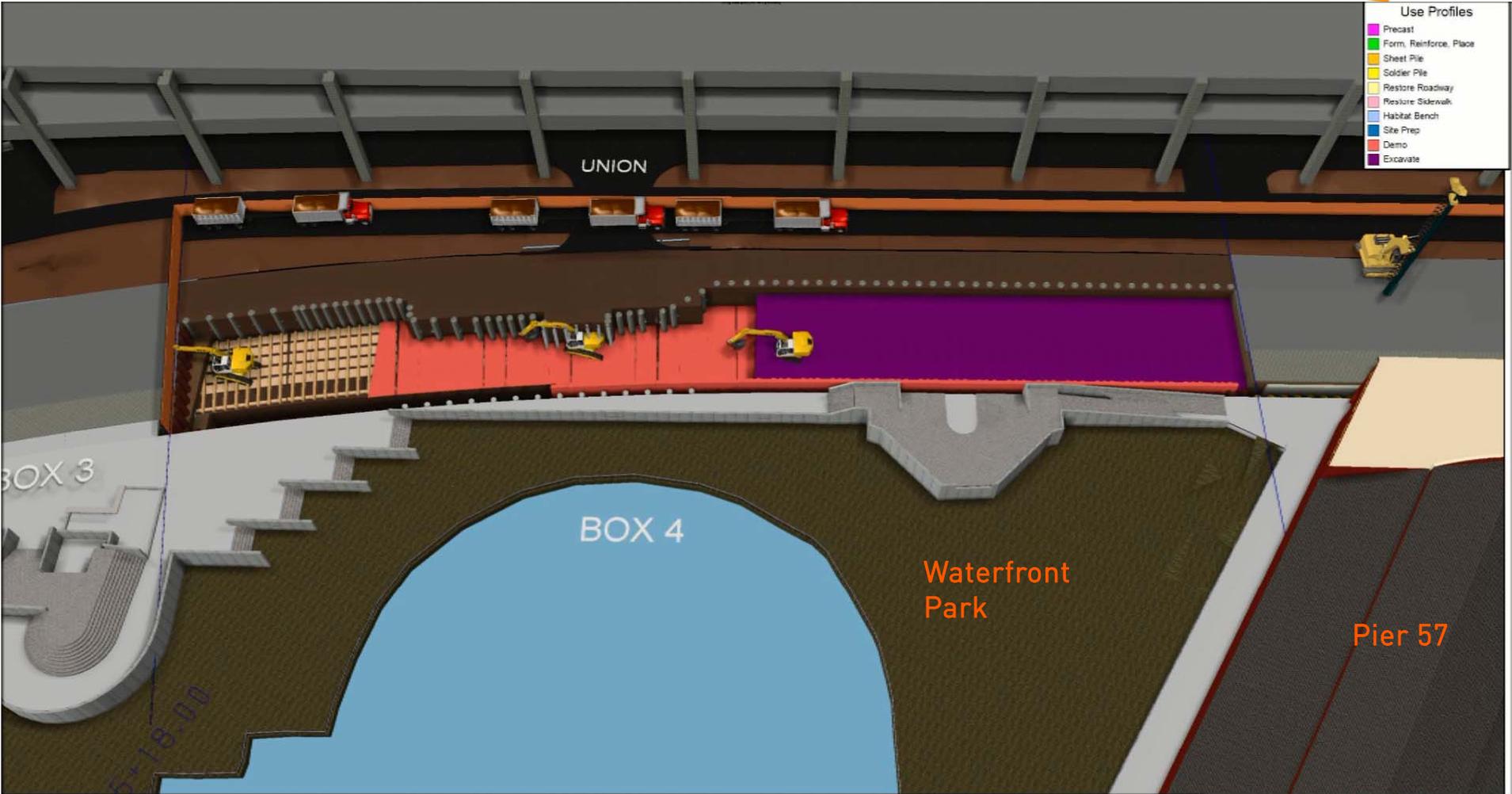
- Use Profiles
- Precast
 - Form, Reinforce, Place
 - Sheet Pile
 - Soldier Pile
 - Restore Roadway
 - Restore Sidewalk
 - Habitat Bench
 - Site Prep
 - Demo
 - Excavate



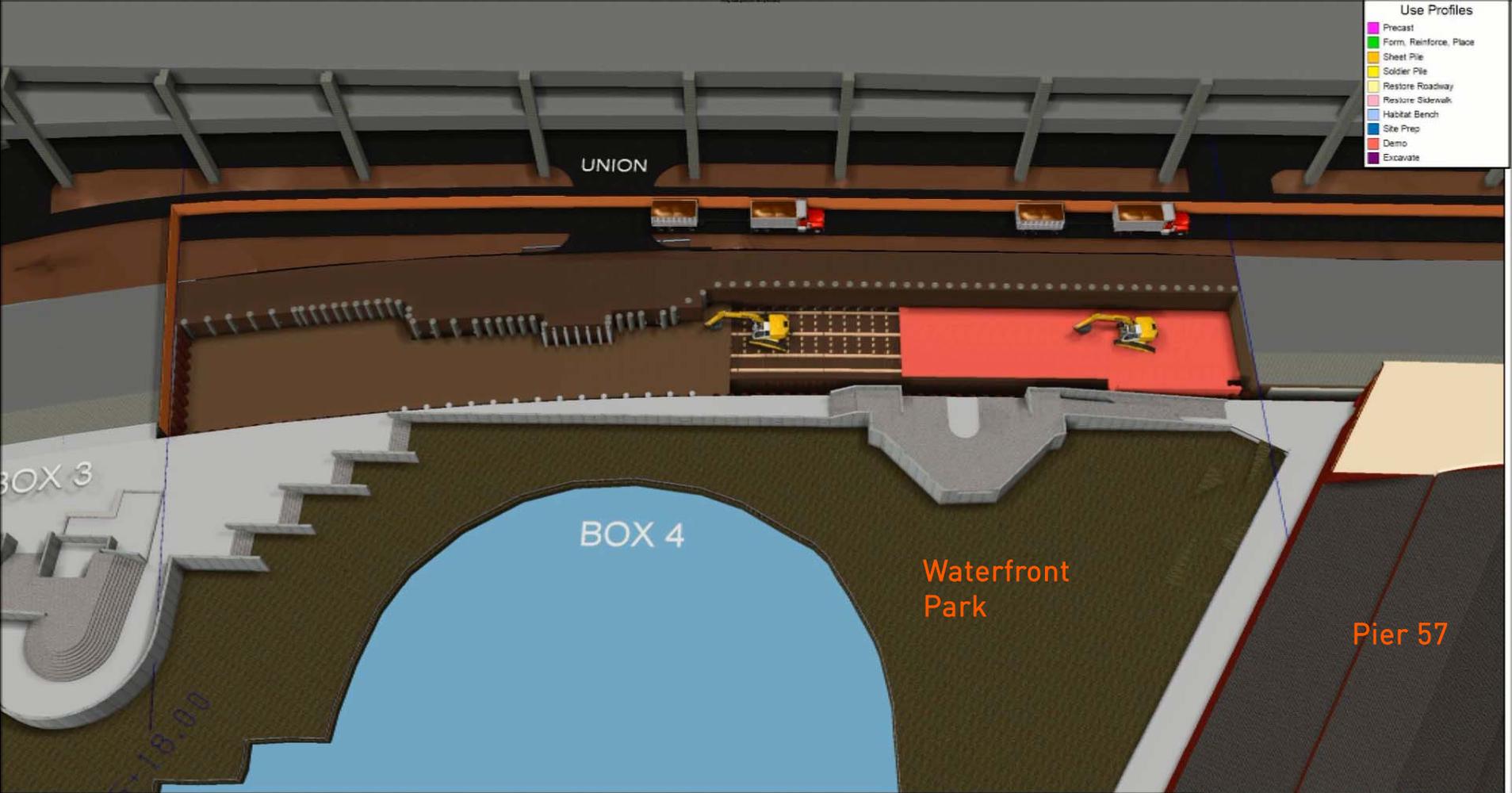
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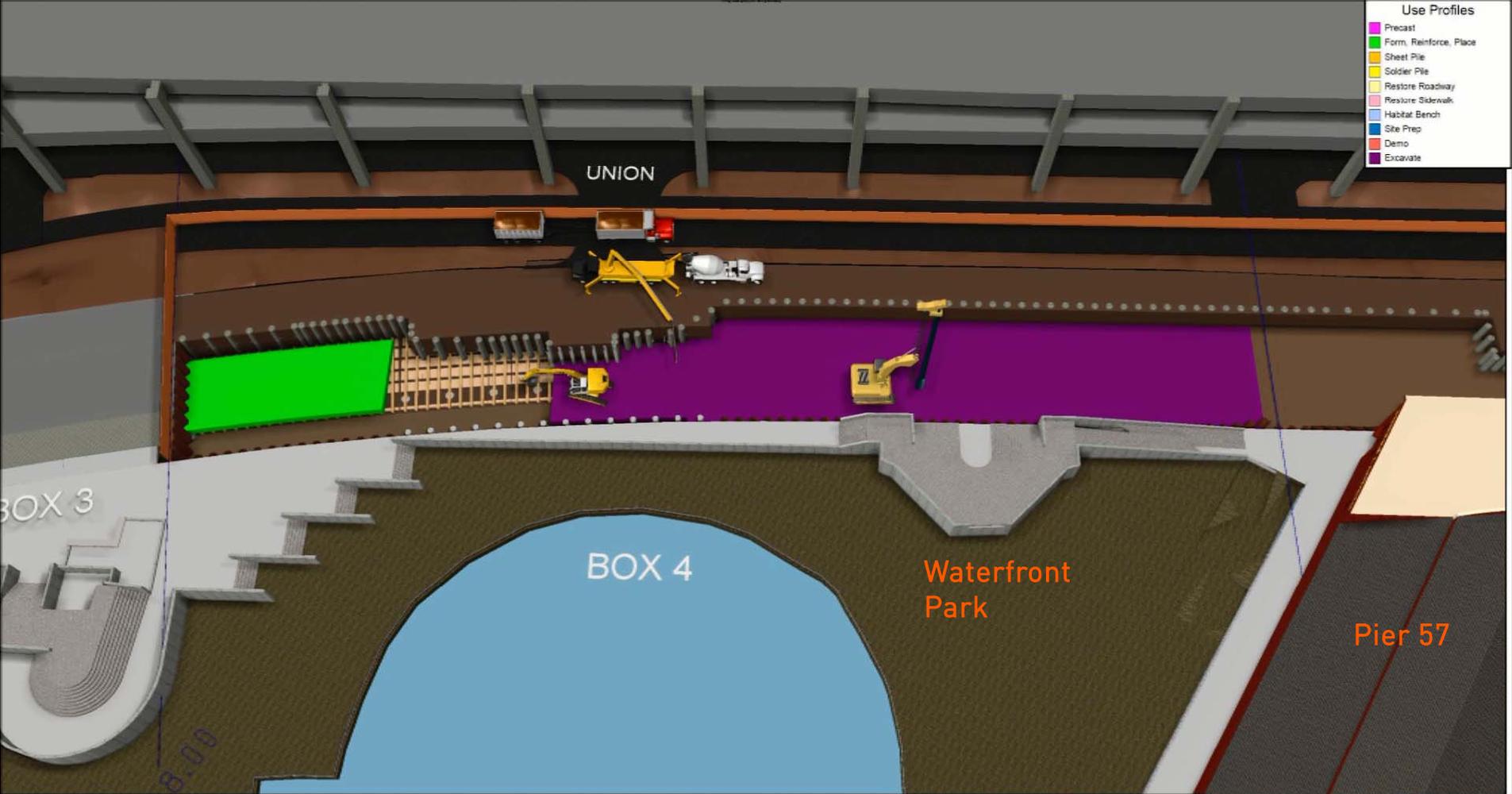
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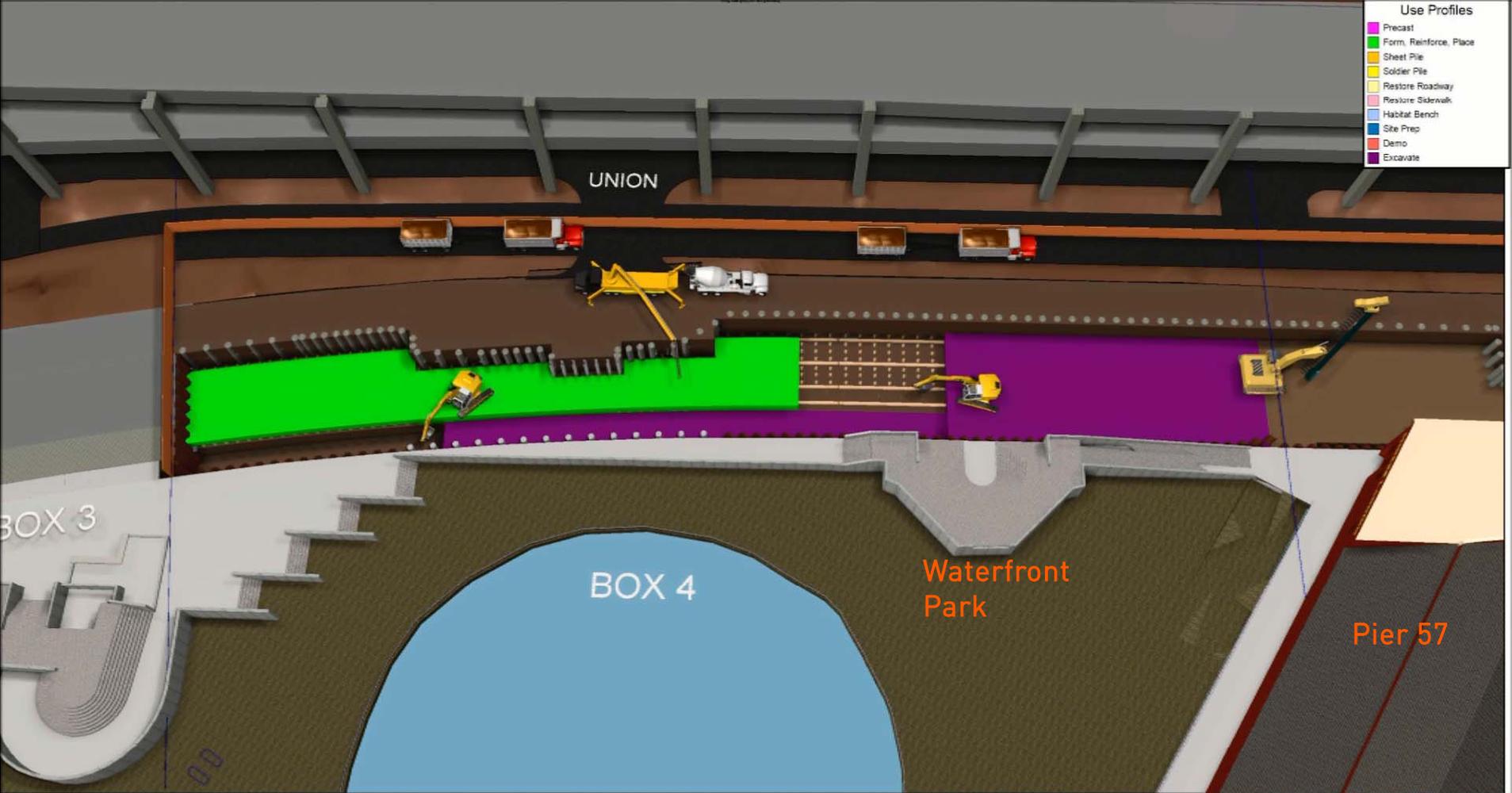
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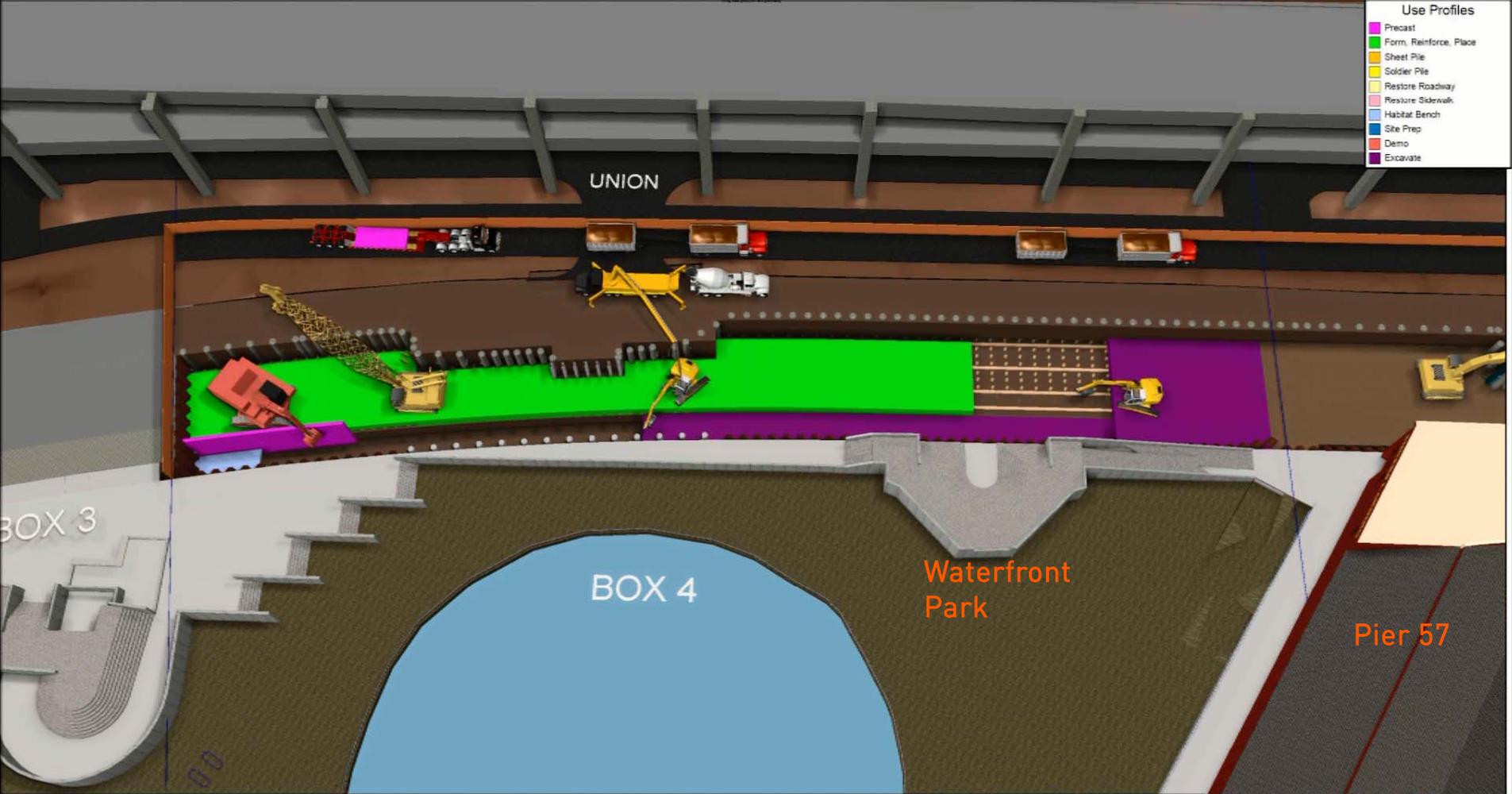
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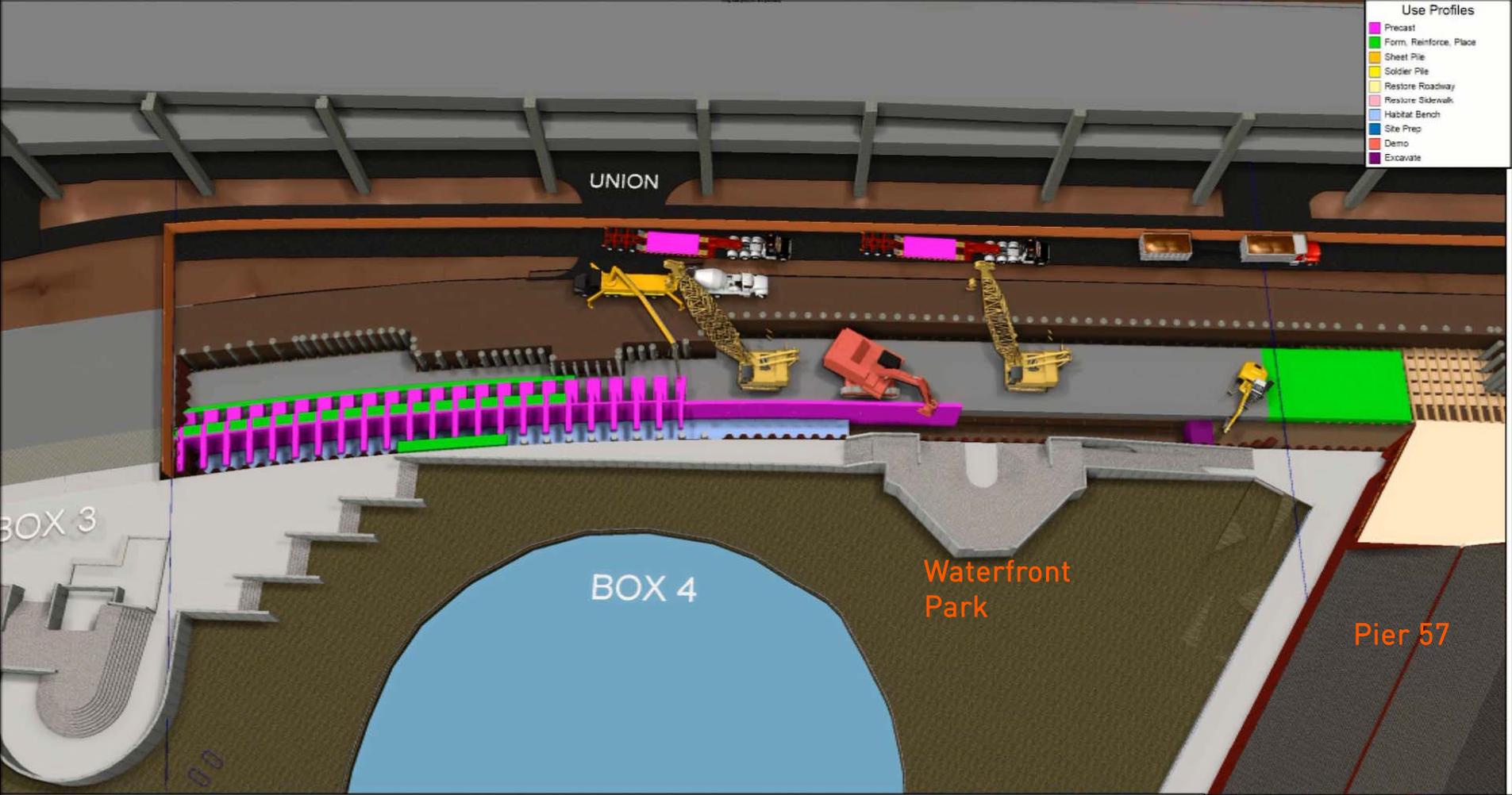
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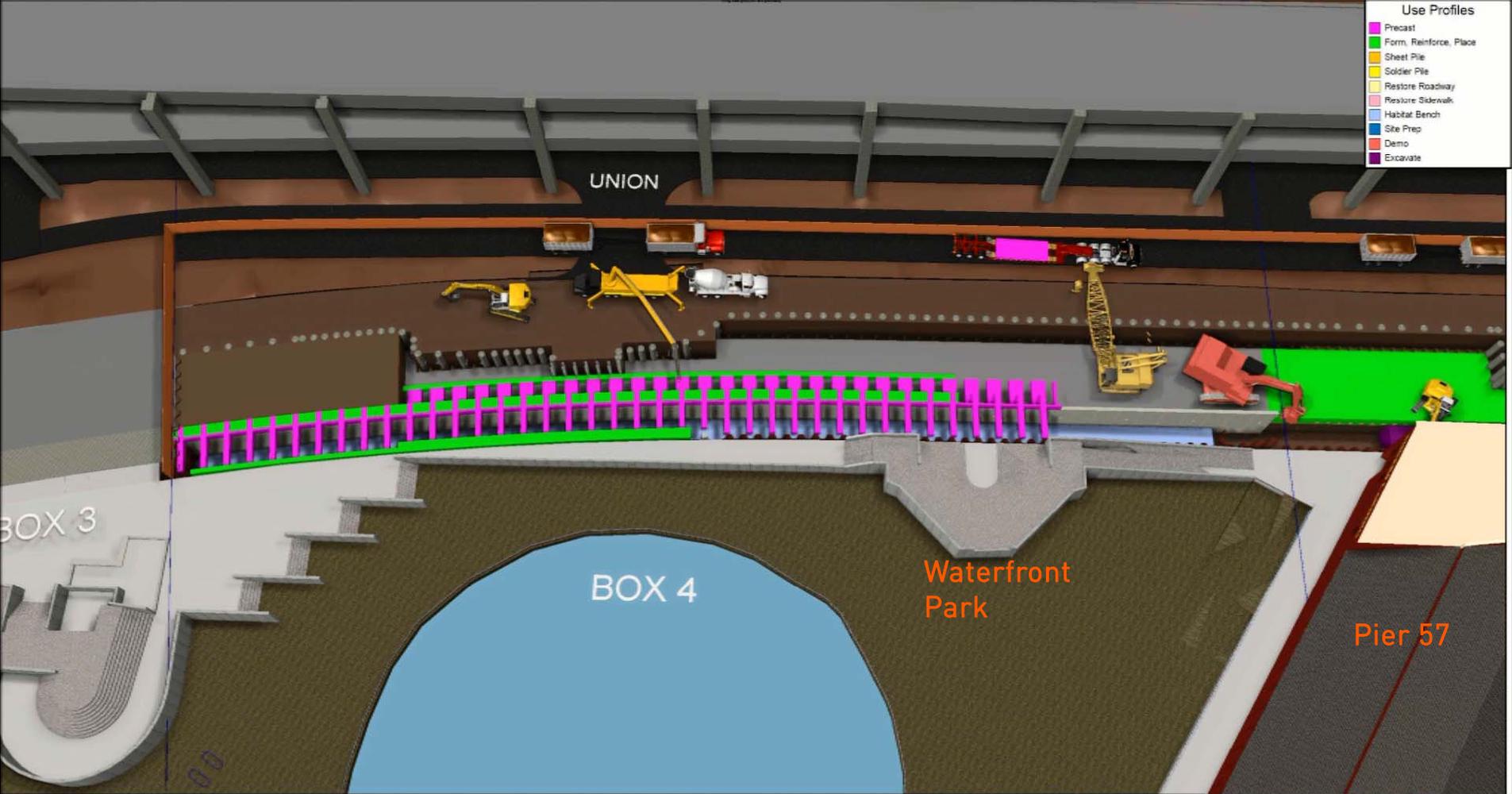
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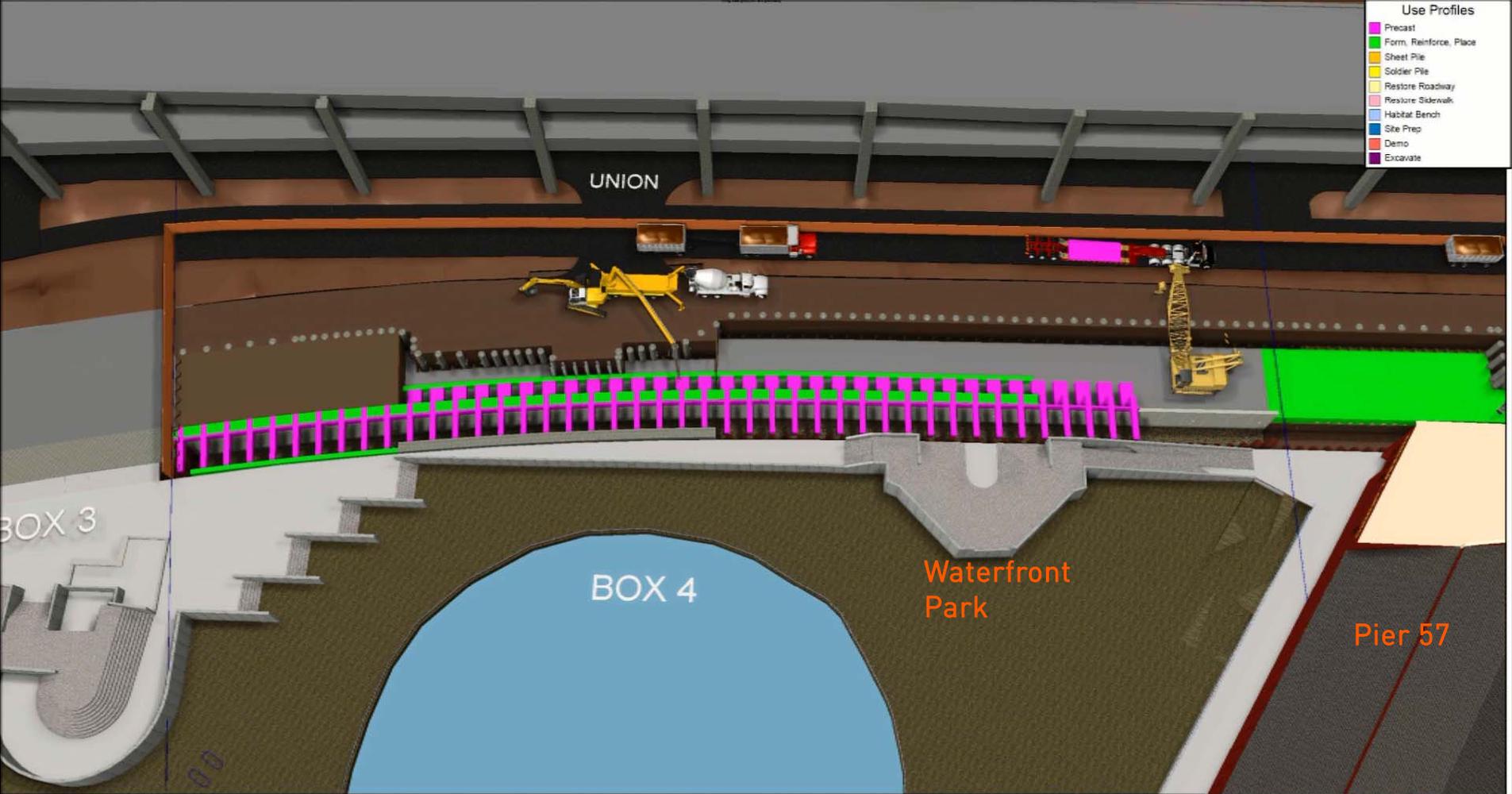
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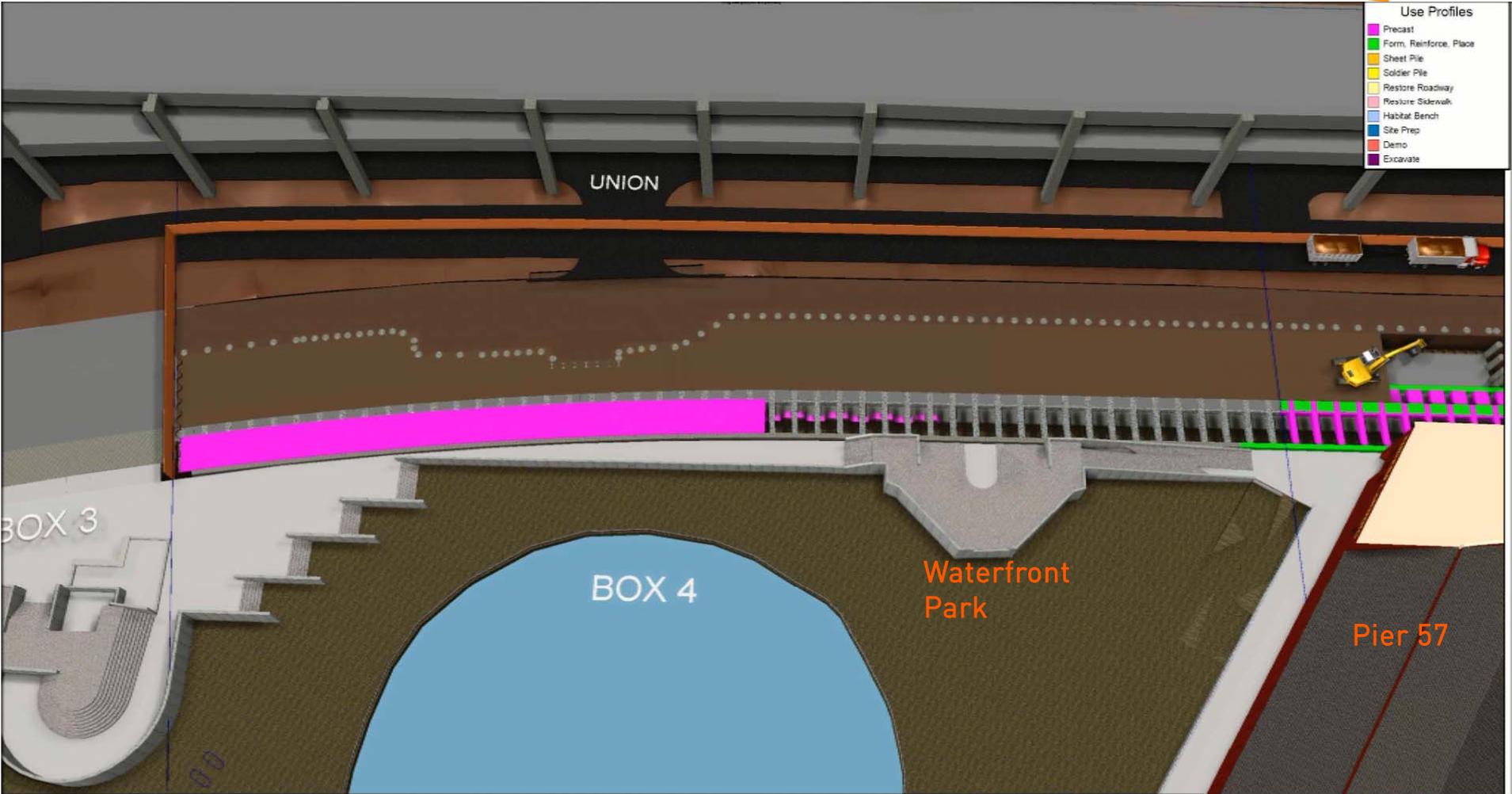
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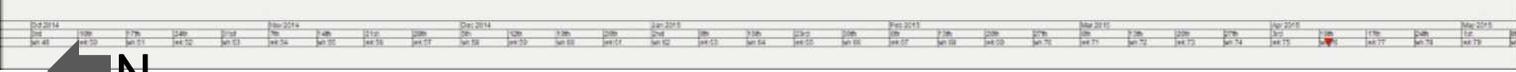
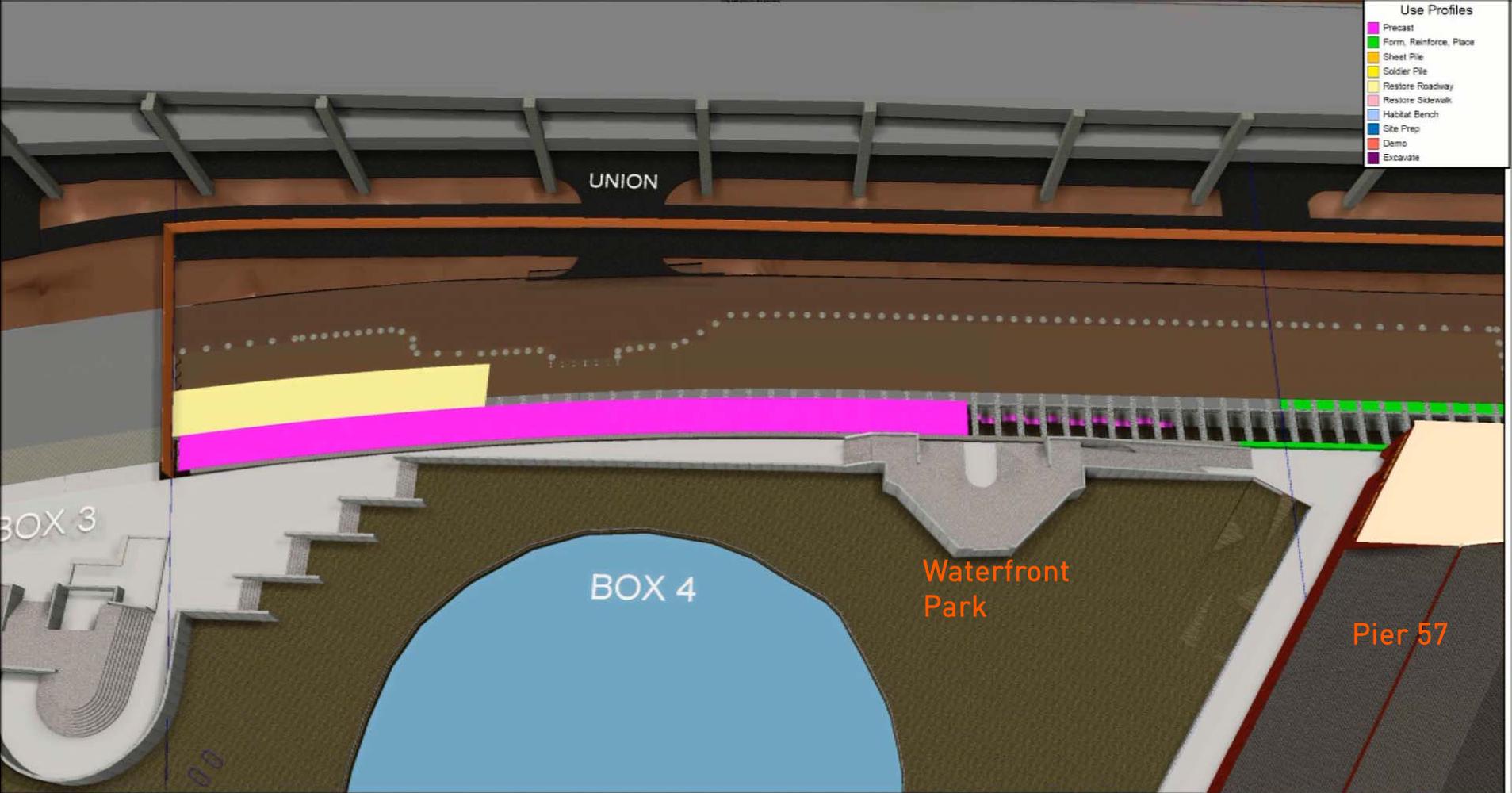
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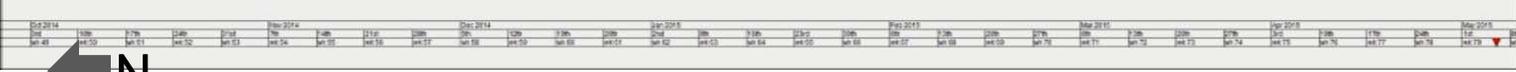
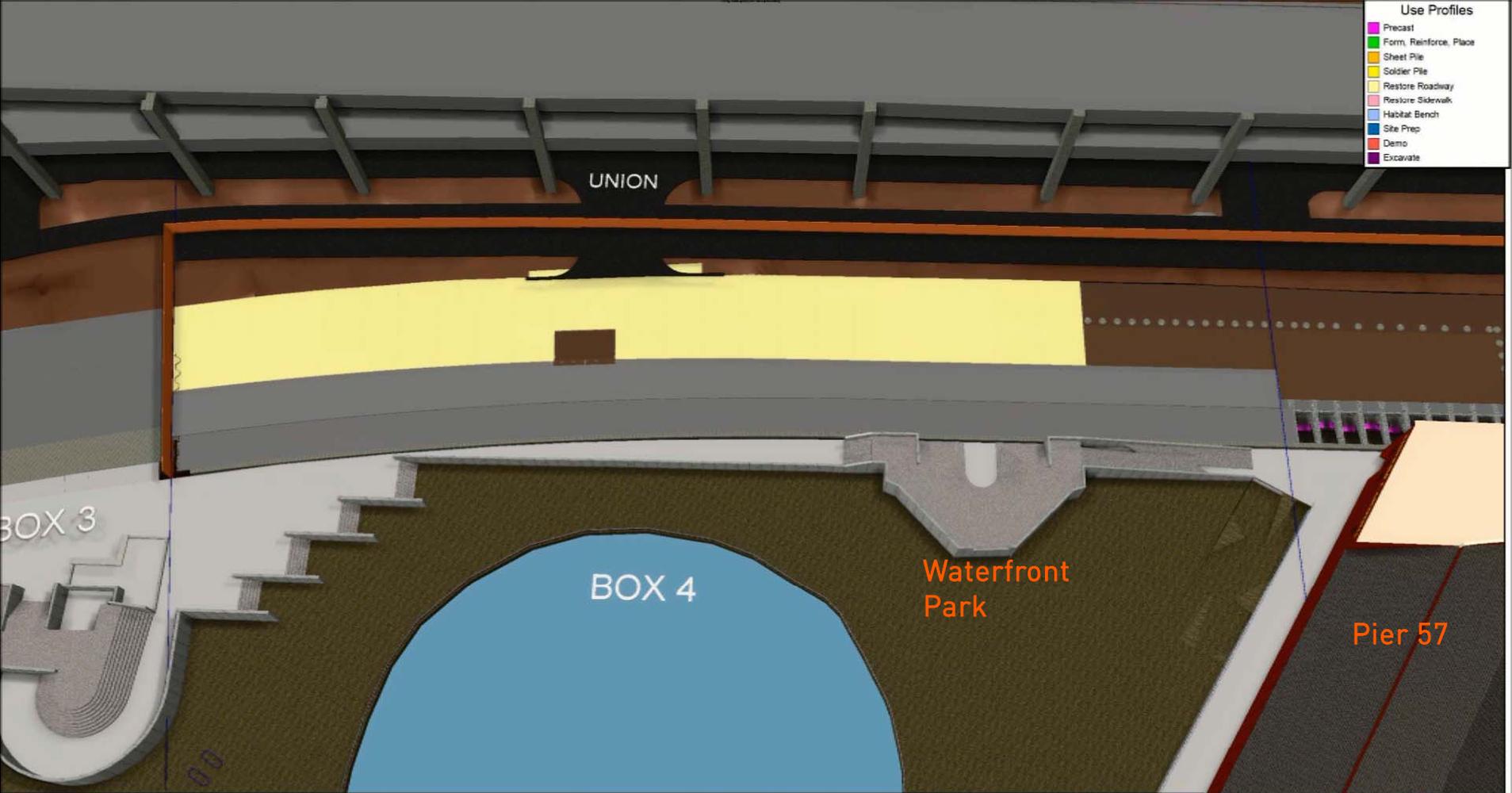
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SEASON 2: THE WATERFRONT IS OPEN!





PROJECT RISK UPDATE

MANAGING RISK



Category	Likelihood	Cost Rating	Schedule Rating	Mitigation Measures / Status
Construction				
Jet Grout				Jet grout complete for season 1; schedule reconciliation and disposal plan for seasons 2 and 3 in process; monies included in the contract to cover the majority.
Utility				Temporary utilities underway; schedule critical for sheet pile installation this October for season 2.
Obstructions				Protocols for quick identification and decision making developed in season 1, ready for season 2. Biggest risk to obstructions is schedule.
New discoveries/contaminated materials				Advanced remediation planned for vicinity of Madison thus reducing schedule impacts; treatment system designed specific for pre-characterized water sampling results thus
Protection of private property/utilities/structures				Settlement and vibration monitoring ongoing; minor additional protective measures have been necessary to date.
Structures				Topic specific work teams are value engineering best options for solving technical problems.; applying lessons learned from Season 1.
Resource allocation and schedule				Plan ahead; increase staff to meet work window and schedule requirements.
Contracting/Procurement				
Added scope / labor				Increase staff to meet schedule; staff costs are lower than cost of delay; add resources to manage provisional sum items.

Legend									
Very Low		Low		Med		High		Very High	

MANAGING RISK



Category	Likelihood	Cost Rating	Schedule Rating	Mitigation Measures / Status
Contracting/Procurement				
Added scope / labor				Increase staff to meet schedule; staff costs are lower than cost of delay; add resources to manage provisional sum items.
Environmental				
Permitting				Minimize changes to the maximum extent feasible; season 2 permit updates recently approved.
Compliance				Minimize changes to the maximum extent feasible; preplan for actions and steps to take in event of a non-compliance.
External Stakeholder Coordination				
Private properties				Close collaboration and communication.
Agency coordination / other projects				Close coordination; elevate and track; maintain schedule.

Legend									
Very Low		Low		Med		High		Very High	

NEXT STEPS



- Place first Seawall face panel
- Launch Season 2 construction





QUESTIONS?