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# *Welcome*

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**SR 104 & 40<sup>th</sup> Place  
NE Roundabout**

**Neighborhood  
Meeting**

**6:00 p.m. - 7:30 p.m.  
November 6, 2025**

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# WELCOME TO THE ROUNDABOUT NEIGHBORHOOD MEETING

*Who we are:*

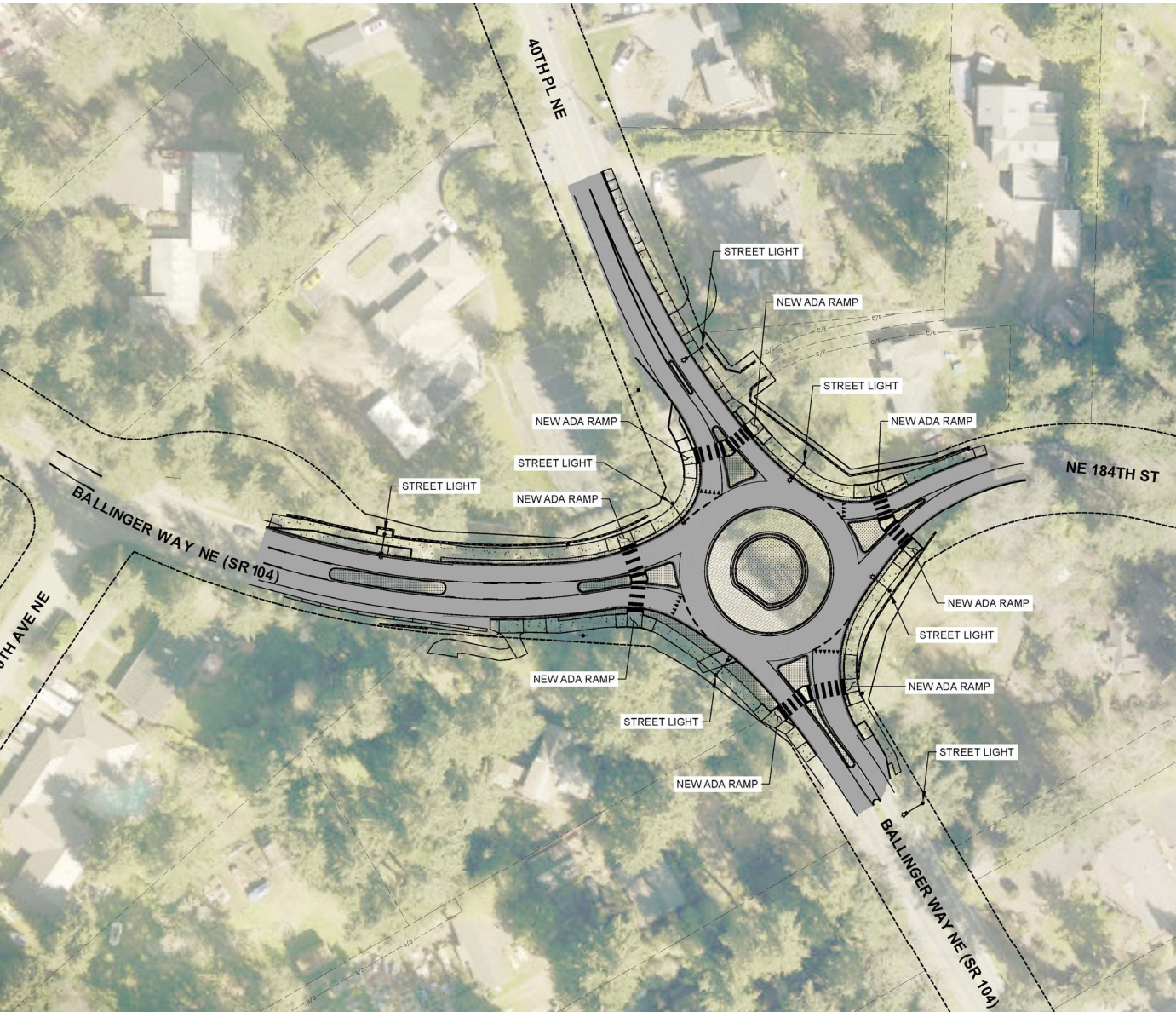
*Rebecca Dickinson  
Public Works Director*

*Katie Phillips  
Project Manager*

*Mike Read, PE  
Senior Project Manager*

*We are here tonight to introduce  
the Roundabout Team, overview  
the project, and provide some  
project details with the LFP  
community!*





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# MEETING AGENDA

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- Project Overview
- Wall Designs
- Roundabout Operations
- Questions & Answers



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## PROJECT HISTORY

- In 2003 the City proposed a signal at the intersection and sought State approval/funding
- In 2018 the City modified its intersection treatment to a roundabout proposal and received initial funds to begin planning in 2019
- Public Outreach, Design Efforts, and ROW processes were completed with additional State and WSDOT grants
- Design was completed in early 2025 which led to a Contractor Award in Fall of 2025



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# WHY A ROUNDABOUT?



**Efficient Operations:** All modes must stop/yield before entering the intersection; delays are balanced on all approaches



**Pedestrian Crossing Safety:** Existing conditions do not provide any guidance or protection to pedestrians



**Long-Term Maintenance Costs Savings:** Treatment remains in operation during power loss; other maintenance is limited to normal roadway needs



**Significant Reduction in Crash Risk and Severity:** Number and severity of crashes reduced by 75% (90% reduction in fatalities) compared to signals

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# KEY ROUNDABOUT PROJECT ELEMENTS

Intersection Control  
that Maintains  
Balanced Full Access  
for All Approaches

New Stormwater  
Detention and  
Treatment Facilities

Tree Canopy  
Replacement at  
Horizon View Park

Gravity Block and  
Structural Retaining  
Walls to Reduce  
Private Property  
Impacts

Marked Pedestrian  
Crosswalks, Refuge  
Islands, and ADA  
Pedestrian Ramps

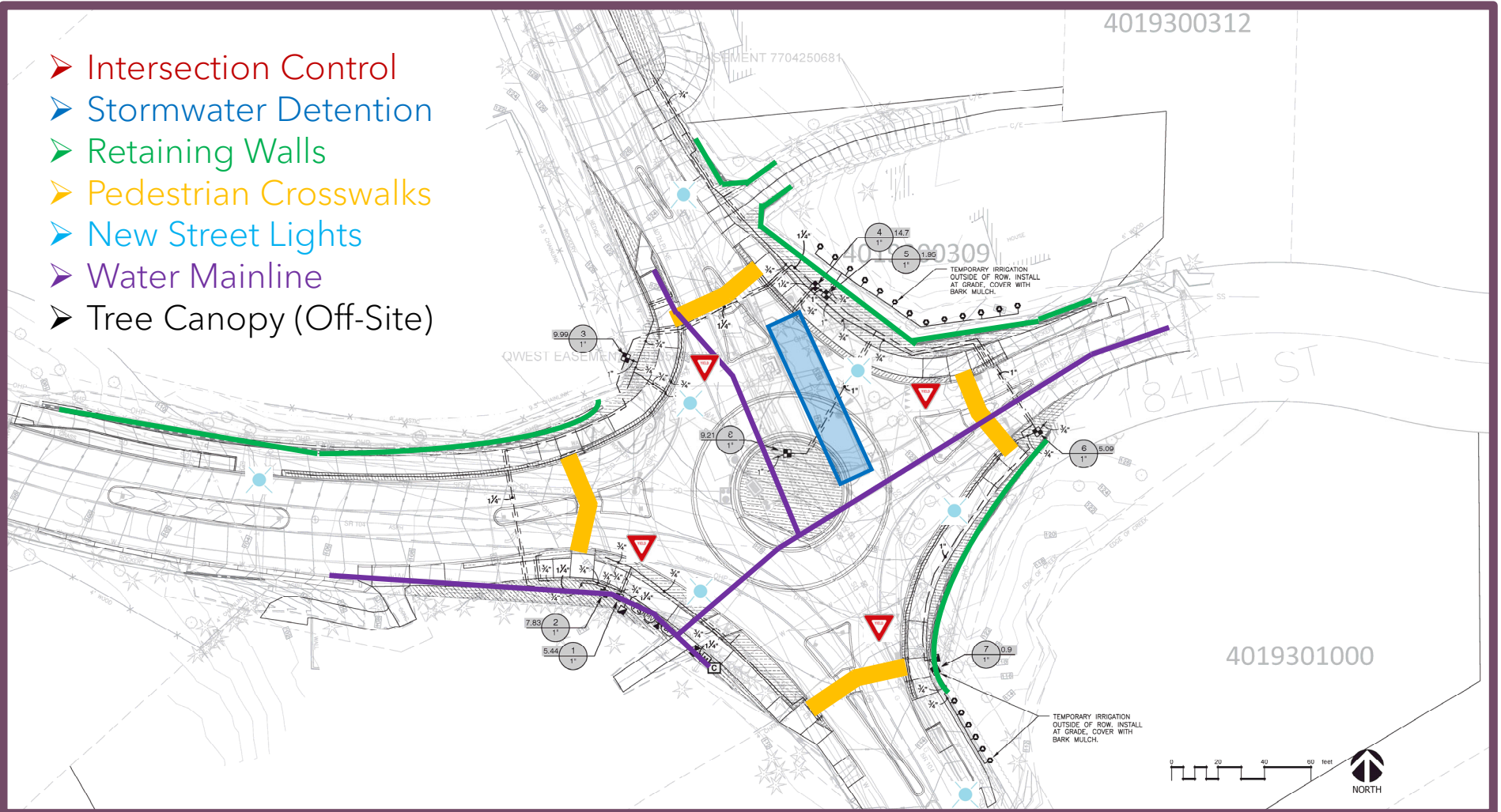
Upgraded Street  
Lighting

Upgraded Water  
Mainline

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- Intersection Control
- Stormwater Detention
- Retaining Walls
- Pedestrian Crosswalks
- New Street Lights
- Water Mainline
- Tree Canopy (Off-Site)





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# PROPOSED WALLS AND OTHER CITY PERMITS

1. *Permit Overview*
2. *Wall Types*
3. *Public Comment on Proposed Walls*



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## CITY PERMITTING PROCESS

**The Roundabout Project is Led by the  
Department of Public Works**

**Similar to Other Development, the  
Project is Subject to City Code/Standards**

**Community Development Department  
Independently Review/Approves Permits**

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- Clear and Grading
- Critical Areas
- Environmental Review (SEPA)
- Tree Removal/Replacement
- Retaining Walls (Certain Wall Types Require a Public Meeting)
- Right-of-Way Permit

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## PLANNED WALL TYPES AND DESIGN ELEMENTS

**Significant Grade Between NE Corner & SW Corner (20 +/- feet)**

**Two Basic Wall Types**

- Gravity Block Wall (~ 4-8 Feet Above Grade)
- Structural Walls (Soldier Pile Type Construction ~8-16 Feet Above Grade)

**Private Property in Most Cases is Situated Higher than Street**

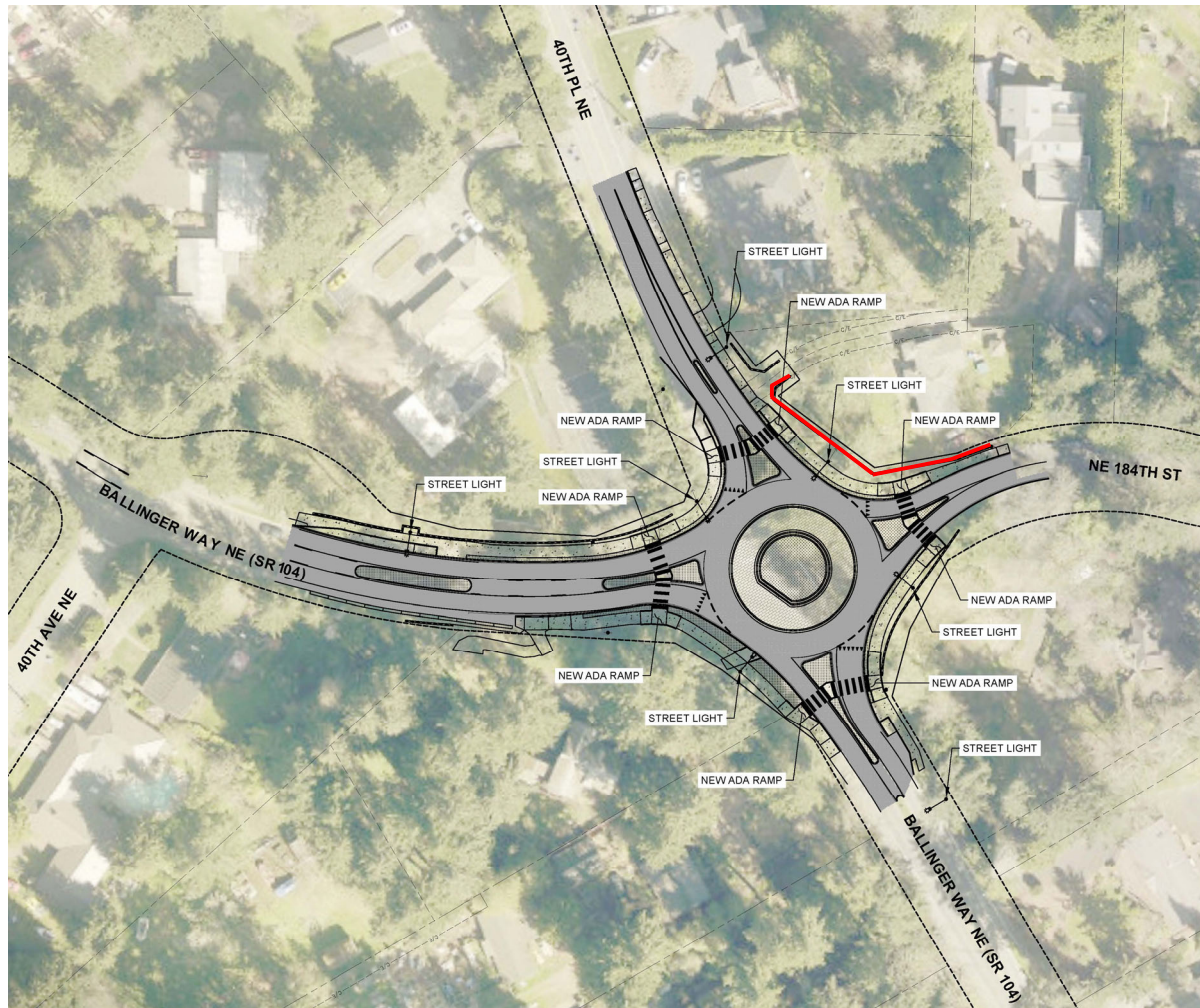
**Fall Protection and Landscaping to Mitigate Safety/Visual Impacts**

**Tall Wall Sections Proposed with Natural Features**

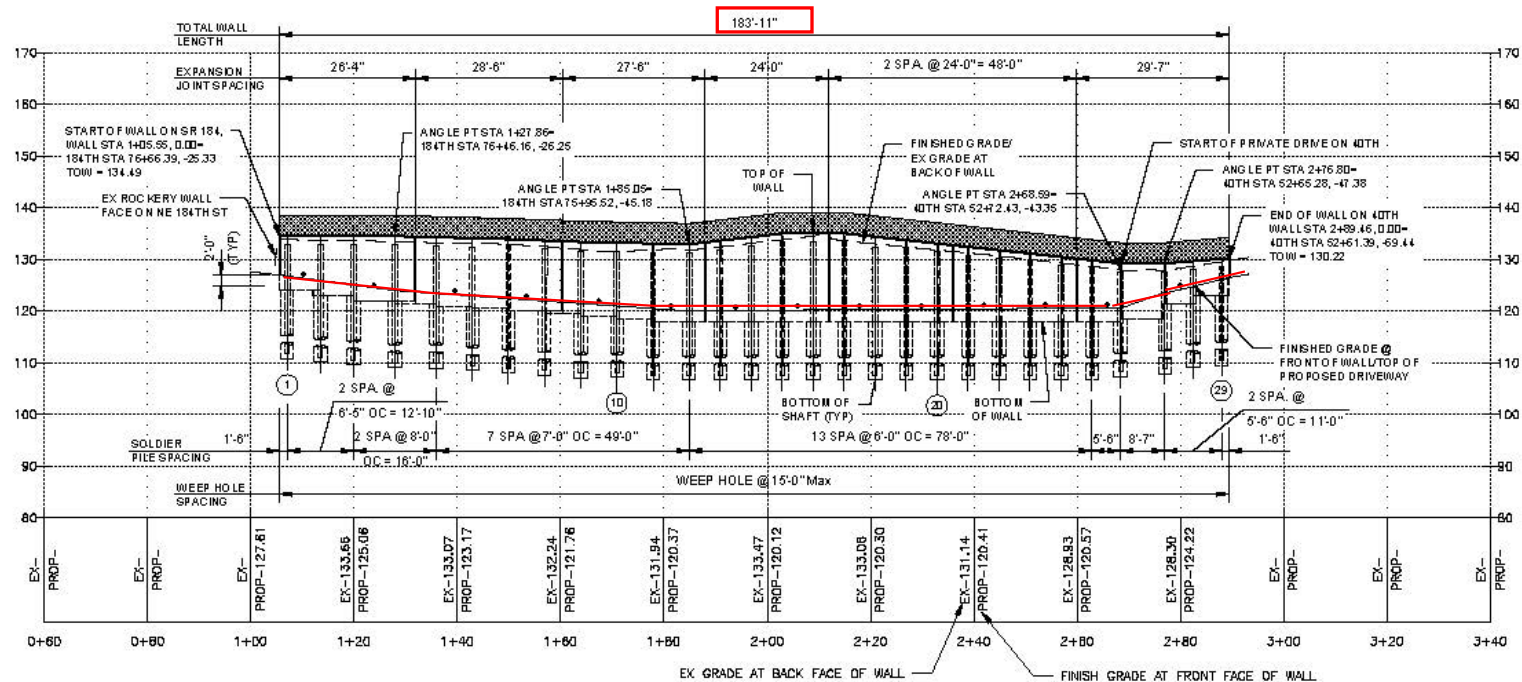
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# SOLDIER PILE LOCATION



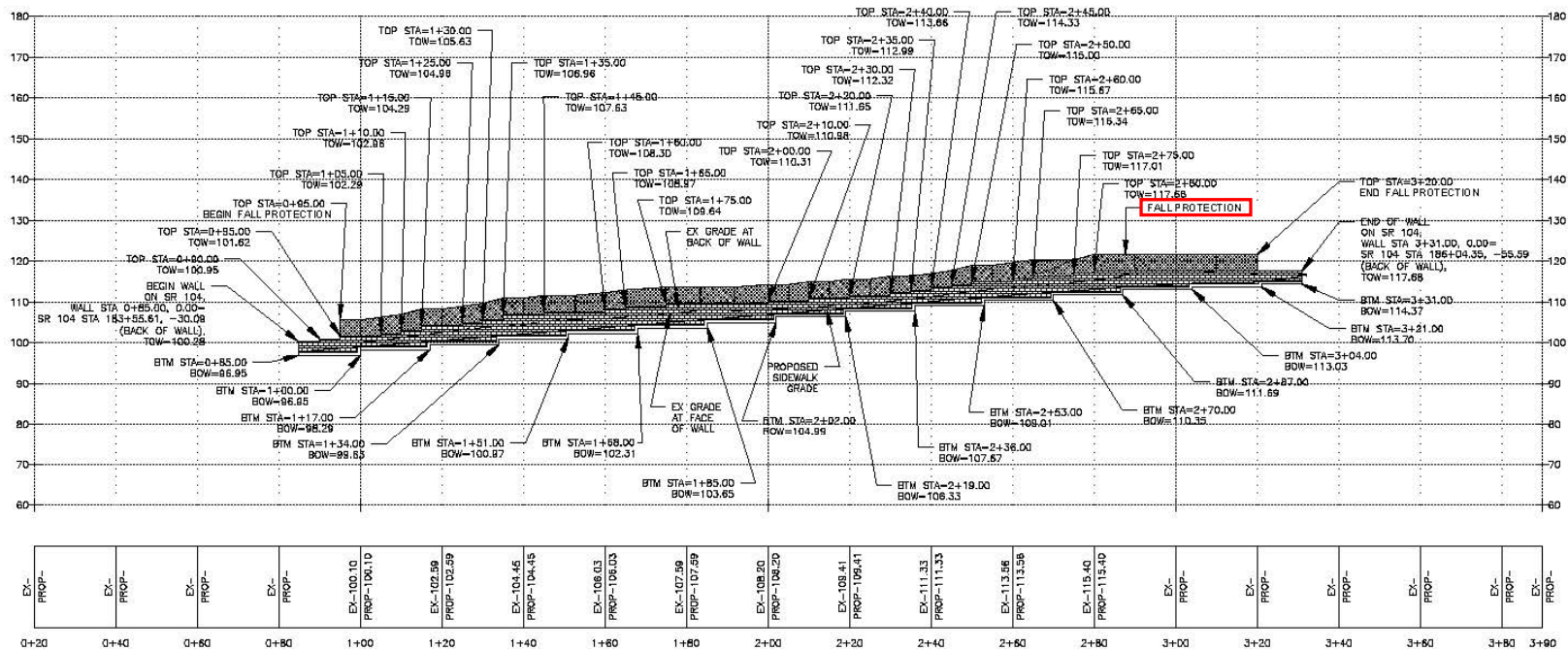
# WALL TYPES – SOLDIER PILE



40TH PL NE/NE 184TH ST CUT WALL PROFILE  
REFLECTED WALL ELEVATION – SOLDIER PILE WALL #3

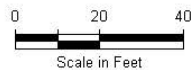


# WALL TYPES – GRAVITY BLOCK



SR 104 NORTHWEST CUT WALL PROFILE  
REFLECTED WALL ELEVATION –  
GRAVITY BLOCK WALL #5

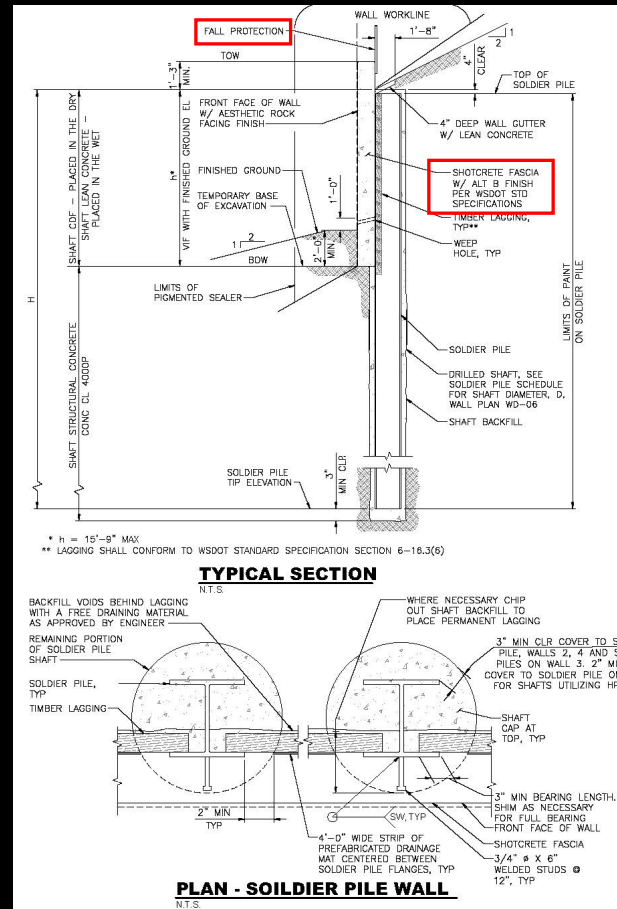
VERTICAL SCALE



# GRAVITY BLOCK WALL

(NEAR VERTICAL)  
NTS

# SOLDIER PILE WALL



# WALL TYPES – FACIA EXAMPLES

## FORMED FEATURES

FIGURE A



FIGURE B



## SHOTCRETE TEXTURES

FIGURE C

CONTRACTOR REQUIREMENTS



FIGURE D



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# PUBLIC COMMENTS & QUESTIONS ON WALLS?

City Contact for Additional Questions:

Mike Read, PE, Senior Project Manager

(206) 957-2836

[mread@cityoflfp.gov](mailto:mread@cityoflfp.gov)

REMINDER: PLEASE SIGN UP FOR ATTENDANCE AND FUTURE NOTIFICATIONS

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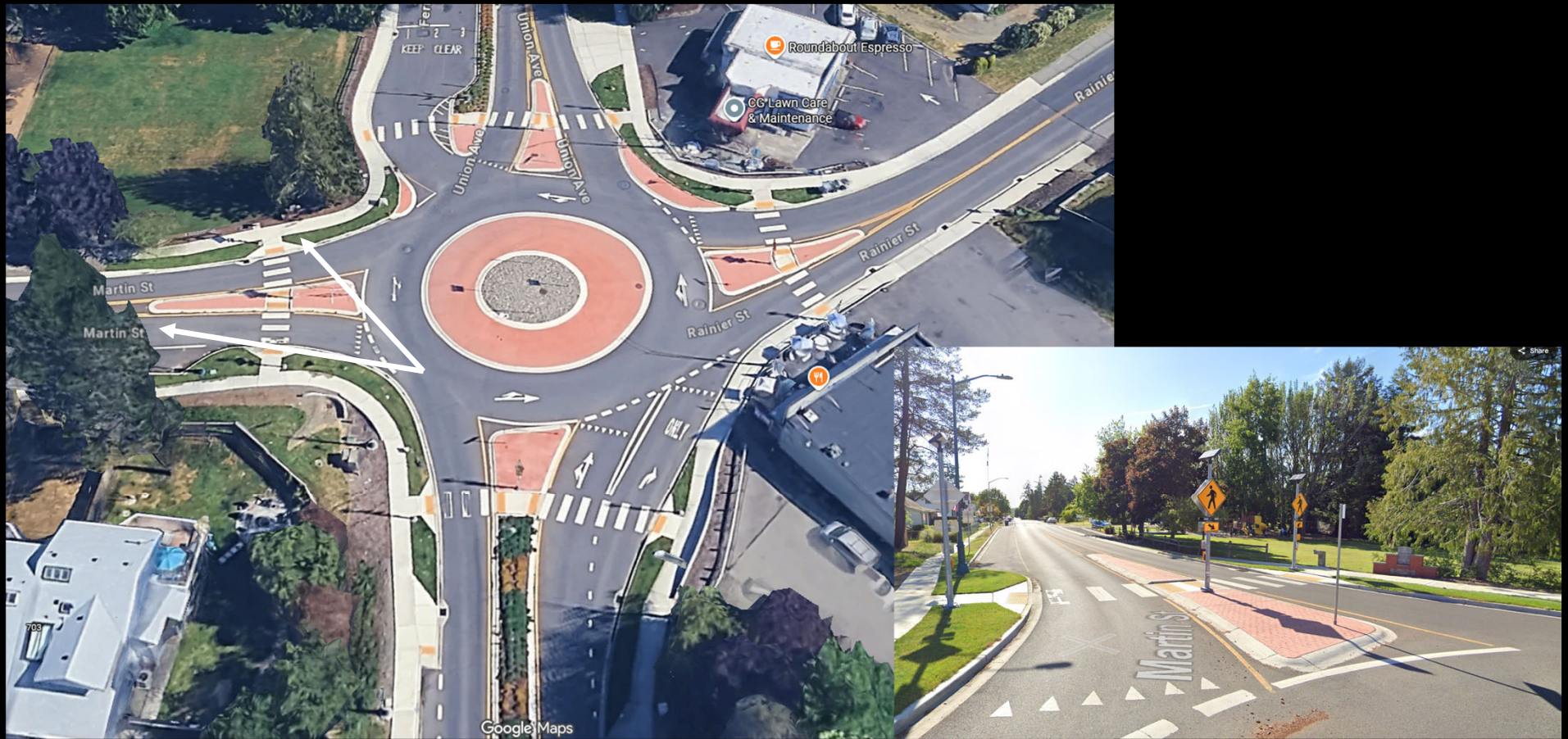
## ROUNDAABOUT EXAMPLES & OPERATIONS

### **Real World Examples in Washington State – Similar Size/Operating Geometrics**

*Proposed SR 104 & 40<sup>th</sup> Place NE Single Lane Roundabout with 115' Inside Diameter*

- Martin Street at Union Avenue Single Lane Roundabouts in Steilacoom, WA. 112' Inside Diameter
- SE 254<sup>th</sup> Street/Witte Road Single Lane Roundabout in Maple Valley, WA. 130' Inside Diameter
- Meridian Avenue S at 240<sup>th</sup> Street SE Single Lane Roundabout in Bothell, WA. 100' Inside Diameter
- W 27<sup>th</sup> Street at S Vancouver Street Single Lane Roundabout in Kennewick, WA. 110' Inside Diameter
- W 19<sup>th</sup> Avenue at S Union Street Single Lane Roundabout in Kennewick, WA 110' Inside Diameter

# MARTIN STREET AT UNION AVENUE - STEILACOOM, WA





## SE 254TH STREET AT WITTE ROAD – MAPLE VALLEY, WA





## MERIDIAN AVENUE S AT 240TH STREET SE - BOTHELL, WA





# W 27TH STREET AT S VANCOUVER STREET - KENNEWICK, WA





# W 19TH AVENUE AT S UNION STREET - KENNEWICK, WA



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# ROUNABOUT OPERATIONS

## **Basic Operational Etiquette Driving Through Roundabouts**

- Yield to Drivers Already in the Circulating Lane
  - In Multi-lane Roundabouts Stay in Your Lane (i.e., Do Not Change Lanes)
  - Signal Right When Exiting the Circulating Lane
  - Do Not Stop in the Roundabout (unless safety requires, i.e., avoiding a collision)
  - Avoid Driving Next to Oversize Vehicles
  - Pedestrians Yield/Wait for Vehicles to Stop Before Moving into the Marked Crosswalk
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## VIDEO/SIMULATION OF ROUNDABOUT OPERATIONS

### **SR 104 & 40<sup>th</sup> Place NE Roundabout Simulation**

Start simulation in SimTraffic 3D

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ANY FURTHER QUESTIONS ON ROUNDABOUTS OR WALLS?  
THANK YOU FOR ATTENDING!

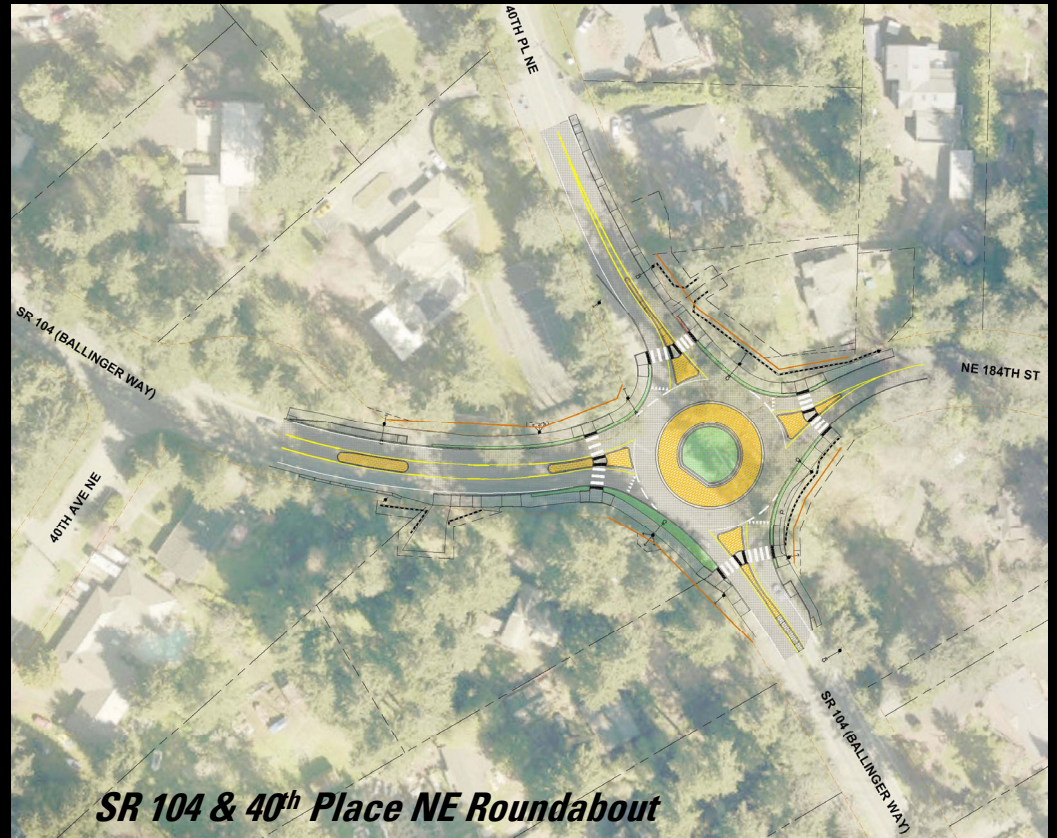
City of Lake Forest Park  
Public Works Department

Staff Resources:

*Rebecca Dickinson*  
*Public Works Director*

*Katie Phillips*  
*Project Manager*

*Mike Read, PE*  
*Senior Project Manager*



**SR 104 & 40<sup>th</sup> Place NE Roundabout**