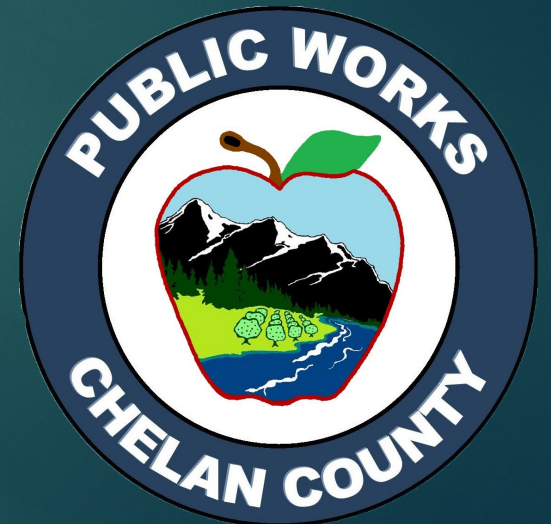


# CRP725 – Knowles Road Improvement Project

CHELAN COUNTY PUBLIC WORKS

VIRTUAL OPEN HOUSE

FEBRUARY 11, 2021



# Welcome!

## ▶ Virtual Open House Etiquette

- ▶ Microphones and video will be turned off until we get to the question portion of the presentation.
- ▶ When we reach the question portion, please use the “raise your hand” function to signal you would like to speak. We will be watching for raised hands and will call on you.
- ▶ If we miss you, please email your question to [public.works@co.chelan.wa.us](mailto:public.works@co.chelan.wa.us).
- ▶ When asking a question, please give your full name and address.
- ▶ Please stick to the topic of the Knowles Road improvement project.
- ▶ If you have a specific question about your property that will require one-on-one time with our project designer, we will schedule an appointment after this meeting to speak more with you.
- ▶ This event is being recorded and will be posted to the project website next week.
- ▶ We hope to stick to one hour tonight.



# Meeting Format:

## ▶ INTRODUCTIONS

### ▶ Chelan County Public Works

#### ▶ Design and Construction

▶ **Lawrence Dillin, Designer**

▶ **Eric Pierson, Public Works Director/County Engineer**

▶ **Paula Cox, Assistant Engineer**

#### ▶ Commissioners

▶ **Tiffany Gering, County Commissioner District 3**

▶ **Bob Bugert, County Commissioner District 2**

### ▶ Chelan County PUD (Waterline replacement)

#### ▶ Courtney Hill, Project Manager

### ▶ City of Wenatchee (Sanitary Sewer)

#### ▶ Jeremy Hoover, Senior Engineer

## ▶ PROJECT OVERVIEW

### ▶ Roadway and utility improvements

## ▶ QUESTION AND ANSWER

# Sunnyslope Background

- ▶ The Knowles Road improvement project is an important project for the Sunnyslope area.
  - ▶ A land use forecast for the Sunnyslope area project shows use will double in the next 20 years.
- ▶ The current roadway does not sufficiently serve the developing area.
  - ▶ Roadway is narrow and lacks pedestrian and bike facilities.
- ▶ The Knowles project will be done in two phases, improving safety and mobility and improving work commutes and access to nearby Sunnyslope Elementary School.
- ▶ Improvements also are needed to correct ongoing drainage issues that damage the road's surface and shoulders.

# Project Overview

- ▶ The project has been awarded a nearly \$1.4 million grant from the state Transportation Improvement Board's Urban Arterial Program. It will also be paid for with local county road funds and Chelan County Stormwater funds.
- ▶ The first phase of the project is from School Street to American Fruit Road and includes the American Fruit and Knowles roads intersection. The second phase of the project, which is not yet funded and does not have a start date, will be above American Fruit Road.

# Project Area

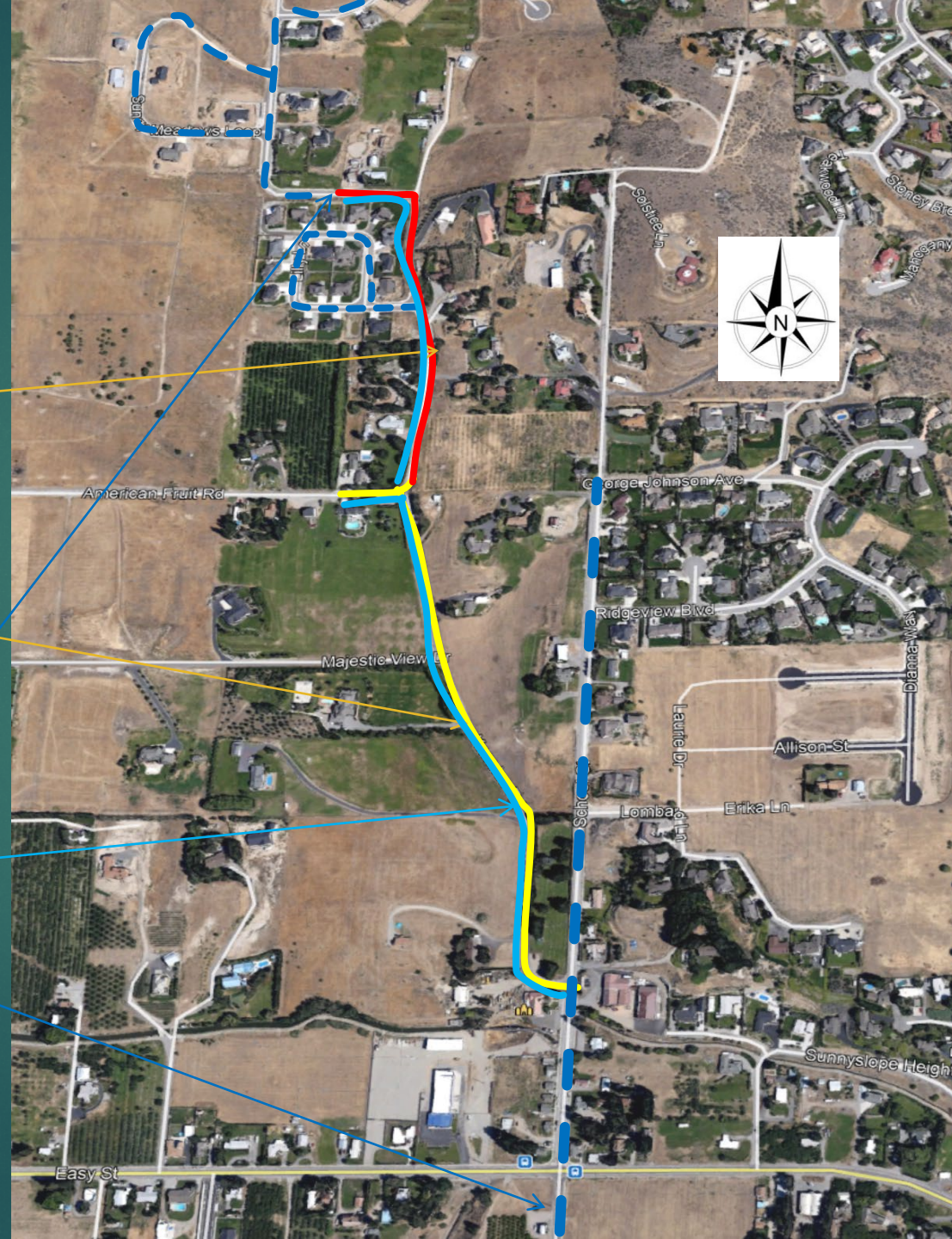
Phase II  
1,400 linear feet  
Future Project

Phase I  
2,200 linear feet  
Currently Funded

Existing Conditions  
Sidewalk

New Sidewalk

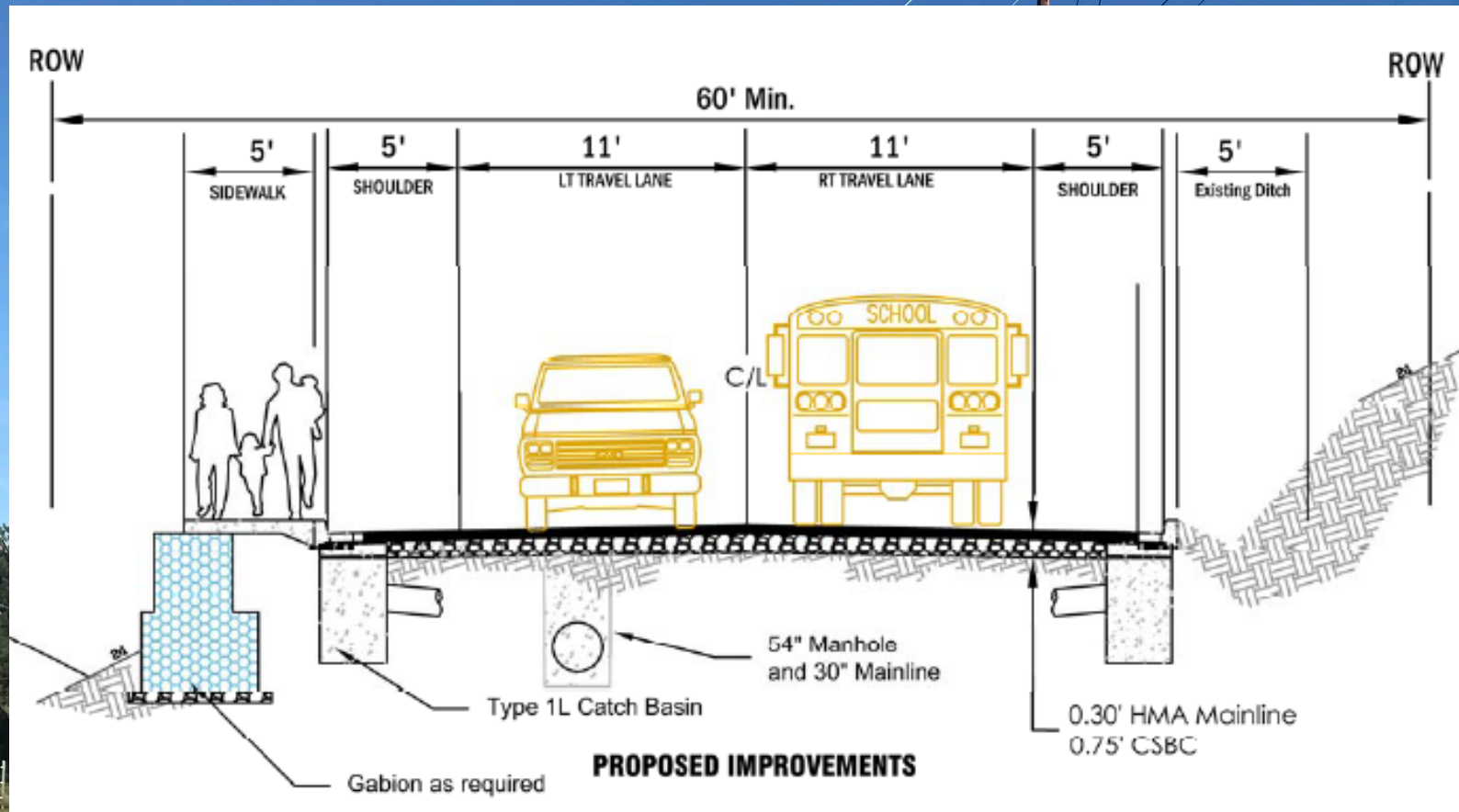
Pedestrian Access Continuity  
(to Sunnyslope School)



# Key Design Components

- ▶ Pedestrian Improvements
- ▶ Widen Roadway

# Existing/Proposed Conditions



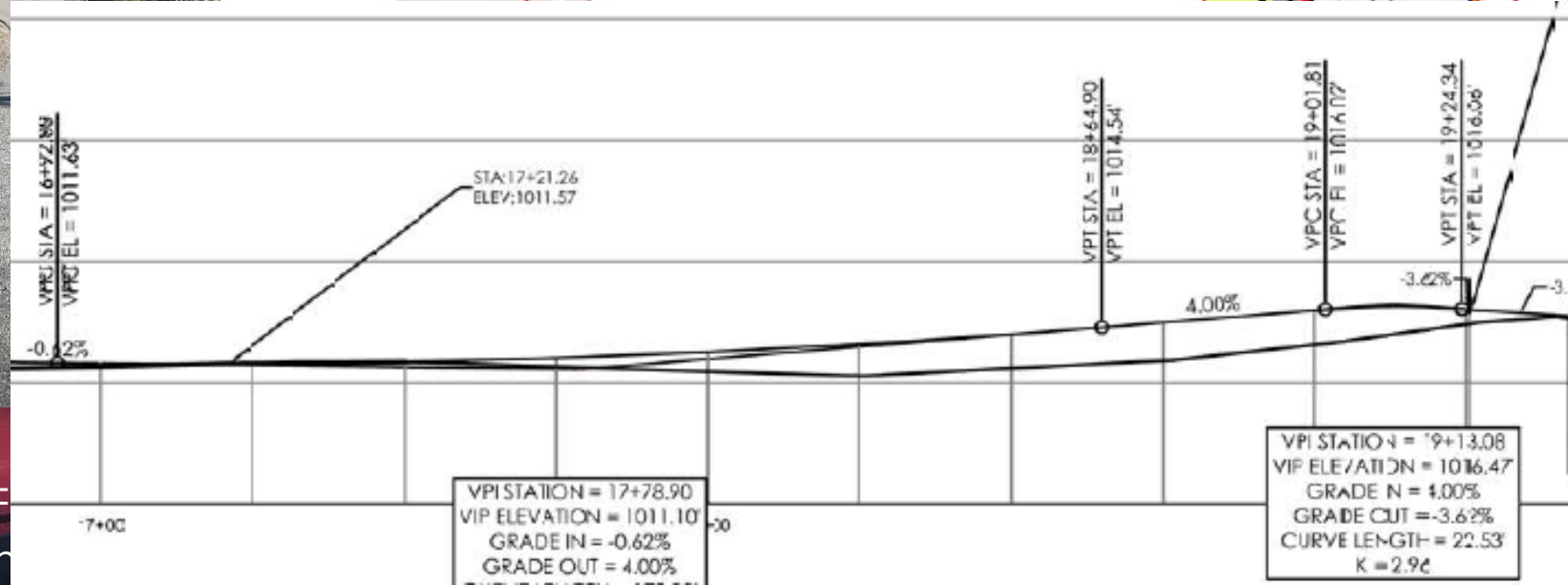
The project will improve roadway safety for pedestrians, bicyclists and motorists. It also will improve the road structure, allowing for a smoother ride and a shared, multi-use shoulder.



# Key Design Components

- ▶ Pedestrian Improvements
- ▶ Widen Roadway
- ▶ Intersection Improvements

# American F



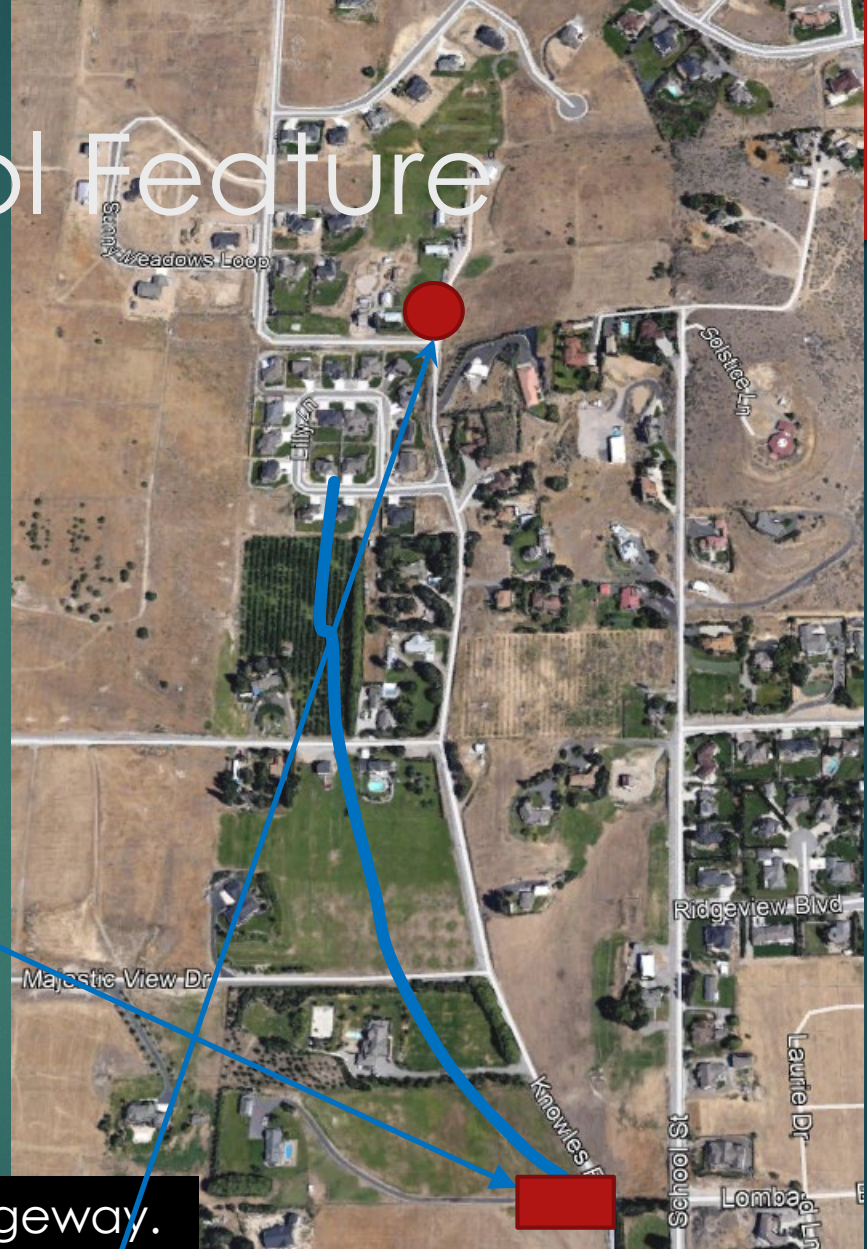
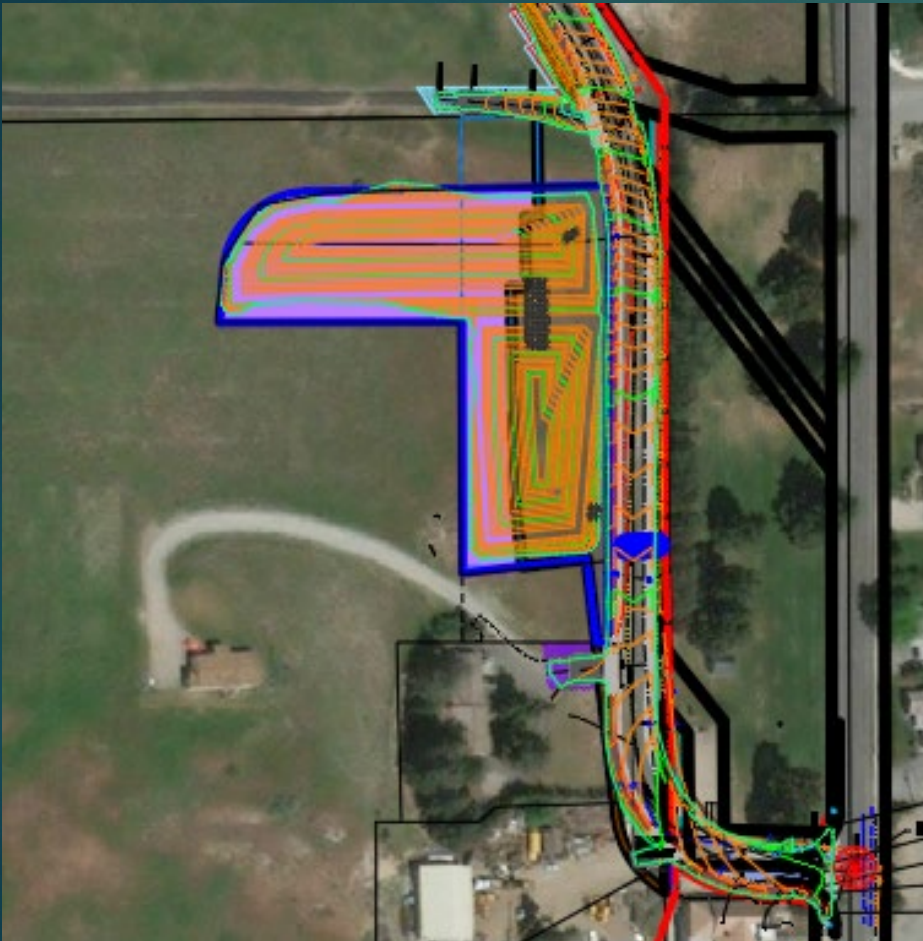
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# Key Design Components

- ▶ Pedestrian Improvements
- ▶ Widen Roadway
- ▶ Intersection Improvements
- ▶ Storm Water Conveyance and Treatment

# Storm and Flood Control Feature



A detention pond will be constructed in the natural drainageway.

It is designed to treat stormwater runoff from the roadway. In addition to the roadway, it has a flood control zone element and has been sized to mitigate water runoff from the Sunnyslope Basin. Infrastructure planned to additional offsite storm water runoff.

# Key Design Components

- ▶ Pedestrian Improvements
- ▶ Widen Roadway
- ▶ Intersection Improvements
- ▶ Storm Water Conveyance and Treatment
- ▶ Retaining Walls

# Gravity Retaining Wall



~800 linear feet in Fill (westside)  
Typically 4' to 8' high, with Pedestrian rail/Sidewalk above

# Project Status

- ▶ Currently ~75% Design Phase
- ▶ Advertisement for bids Winter 2021
- ▶ Construction to commence in Spring/Summer 2022
  - ▶ Construction is expected to take ~10 weeks.
  - ▶ Prior to construction, people may see some work, such as the relocation of utilities.
  - ▶ During construction, the road will be at one lane, with flaggers directing traffic.
  - ▶ A detour for a portion of the project is being considered. The benefits include speeding up the work and minimizing impacts.
  - ▶ Another Open House will be scheduled prior to construction, with more information on public impacts (Spring 2022).

# Other Improvements

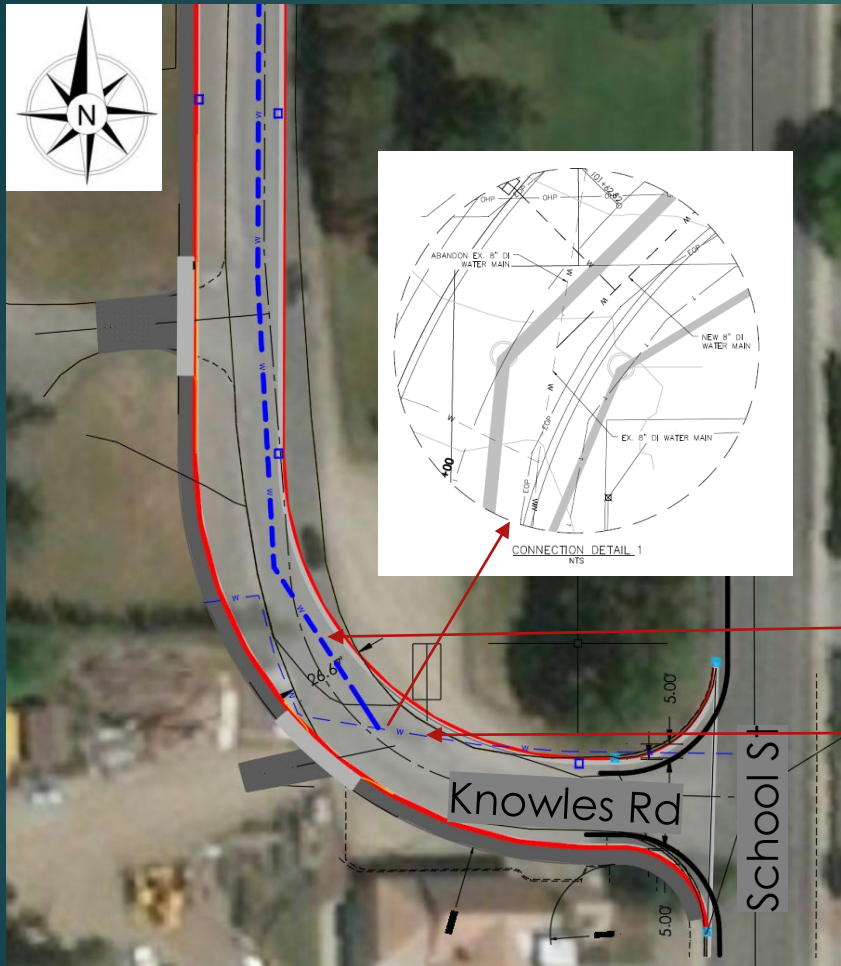
- ▶ PUD water main to be replaced
- ▶ City to install new sewer main



# Chelan County PUD - Waterline

- ▶ Chelan PUD is planning to replace approximately 1,400 feet of existing 4-inch steel water main with approximately 2,200 feet of new 8-inch ductile iron main.
- ▶ The timing of the project is well suited for replacement of the steel water main which is at the end of its useful life.
- ▶ The new 8-inch main will increase capacity and reliability of the water system in the area.
- ▶ The project also includes installing four new fire hydrants and replacing six customer connections.
- ▶ Water outages will be required for connections of the new main to the existing main and for connecting customer service lines from existing to new meter chambers.
- ▶ Affected customers will be notified of scheduled outages 24 to 48-hours in advance of when the outage will occur.

# Chelan County PUD - Waterline



New 8"

Existing 8"



Existing 4"

New 8"



# City of Wenatchee - Sewer



**PRELIMINARY**



**CITY PROJECT 1908  
KNOWLES ROAD SANITARY SEWER**

SCALE: AS SHOWN APPROVED BY AJS DATE APPROVED 1908	DESIGNED BY AJS DATE APPROVED 1908	PROJECT NO. 1908	DATE 1908	REVISIONS
DRAWING NAME 1908 Open House Branching 2020			DRAWING FILE 1908.dwg	

SHEET 1 OF 1

# City of Wenatchee - Sewer



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# City of Wenatchee - Sewer

## City Sewer Connection Costs

Single Family Residence Sewer Connection  
Developer Built Sewer Main in SunnySlope

Sewer System Investment Fee	\$3,710.00
Sewer Connection Inspection	\$100.00
SunnySlope Local Facilities Charge	\$3,964.70
30% discount on LFC within 2 years of becoming available	<\$1,189.41>
Total	\$6,585.29

Multi Family/Commercial Domestic Sewer Connection  
Developer Built Sewer Main in Sunnyslope

Sewer System Investment Fee (based off of water meter size per ERU) (1.5" meter = 5 ERU'S)	\$3,710.00 for first ERU \$2,782.50 each add. ERU (\$14,840.00)
Sewer Connection Inspection	\$100.00
SunnySlope Local Facilities Charge	\$3,964.70
30% discount on LFC within 2 years of becoming available	<\$4,452.00>
Total	\$14,452.70

# City of Wenatchee - Sewer

## Single Family Residence Sewer Connection City Built Sewer Main in SunnySlope

Sewer System Investment Fee	\$3,710.00
Sewer Connection Inspection	\$100.00
Local Facilities Fee	\$6,389.30
30% discount on LFC within 2 years of becoming available	<\$1,916.79>
SunnySlope Local Facilities Charge	\$3,964.70
30% discount on LFC within 2 years of becoming available	<\$1,189.41>
<b>Total</b>	<b>\$11,057.80</b>

## Multi Family/Commercial Domestic Sewer Connection City Built Sewer Main in SunnySlope

Sewer System Investment Fee (based off of water meter size per ERU) (1.5" meter = 5 ERU'S)	\$3,710.00 for first ERU \$2,782.50 each add. ERU (\$14,840.00)
Sewer Connection Inspection	\$100.00
Local Facilities Fee	\$6,389.30
30% discount on LFC within 2 years of becoming available	<\$1,916.79>
SunnySlope Local Facilities Charge	\$3,964.70
30% discount on LFC within 2 years of becoming available	<\$1,189.41>
<b>Total</b>	<b>\$22,187.80</b>

Water Meter Size	ERU
5/8"	1
1"	2.5
1.5"	5
2"	8
3"	16
4"	25
6"	50

# Questions:

- ▶ Chelan County Public Works Team (Road design/CN admin)
  - ▶ Lawrence Dillin, Designer
  - ▶ Eric Pierson, Public Works Director/County Engineer
  - ▶ Paula Cox, Assistant Engineer
- ▶ Chelan County PUD (Waterline replacement)
  - ▶ Courtney Hill, Project Manager
- ▶ City of Wenatchee (Sanitary Sewer)
  - ▶ Jeremy Hoover, Senior Engineer



# Stay Connected:

- ▶ For more project information, please go to CCPW website for project updates: <https://www.co.chelan.wa.us/public-works/pages/knowles-road>
- ▶ Sign up for email updates:
- ▶ As we have updates on the project we will send them out on the project's **listserv**. Sign up for emailed updates online, or email us at [public.works@co.chelan.wa.us](mailto:public.works@co.chelan.wa.us)
- ▶ Contact us directly: CCPW Office: 667-6415
  - ▶ Email: [public.works@co.chelan.wa.us](mailto:public.works@co.chelan.wa.us) (general questions)
  - ▶ Email: [Lawrence.dillin@co.chelan.wa.us](mailto:Lawrence.dillin@co.chelan.wa.us) (property-specific questions)

THANK YOU!

