

# Project 2377: Occoquan River Crossing

Town of Occoquan Briefing

November 17, 2020

**Fairfax Water**

# Project Elements

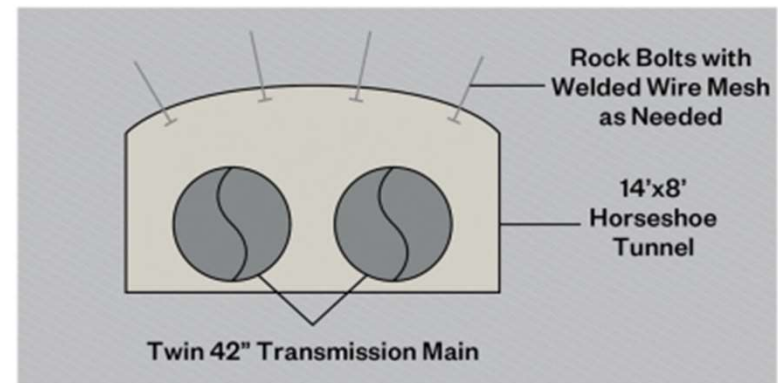
- New 1<sup>st</sup> High Pump
- 36-inch transmission main
- Tunnel river crossing
- Other project elements
  - Offsite interconnections
  - Pipe rehabilitation/replacement

# Tunnel River Crossing

## Tunnel Section



## Dual Finished Water Mains







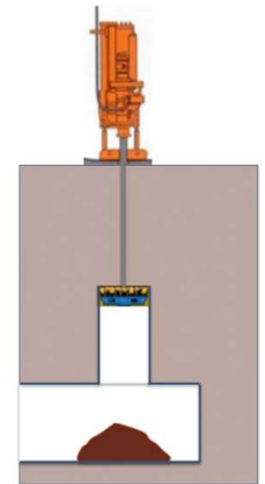


# River Crossing - Construction

- Limited workspace on south side: Raise Bore solution



Raise Bore Operations  
Raise Boring



# 24-inch PCCP Rehabilitation

- Pressure rating of 700 feet of existing 24-inch PCCP water main at Tanyard Hill Road is inadequate for future operating conditions
- Rehabilitation or replacement being considered



# Preliminary Schedule

River Crossing	
Design Complete	Summer 2021
Construction Start	Late 2021
Construction Complete	Early 2023

QUESTIONS?

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