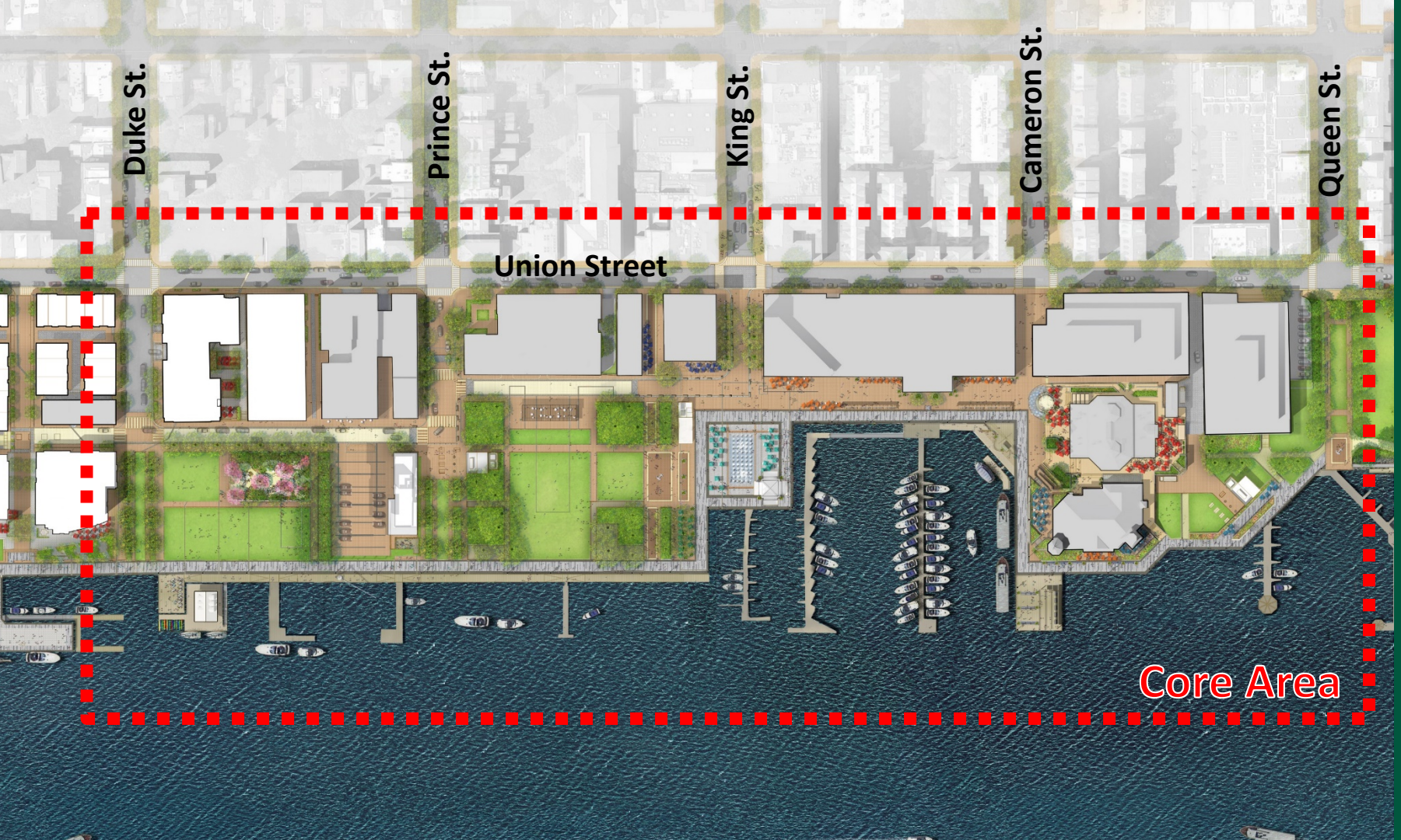




Waterfront Implementation

Waterfront Commission

November 19, 2019



Duke St.

Prince St.

King St.

Cameron St.

Queen St.

Union Street

Core Area



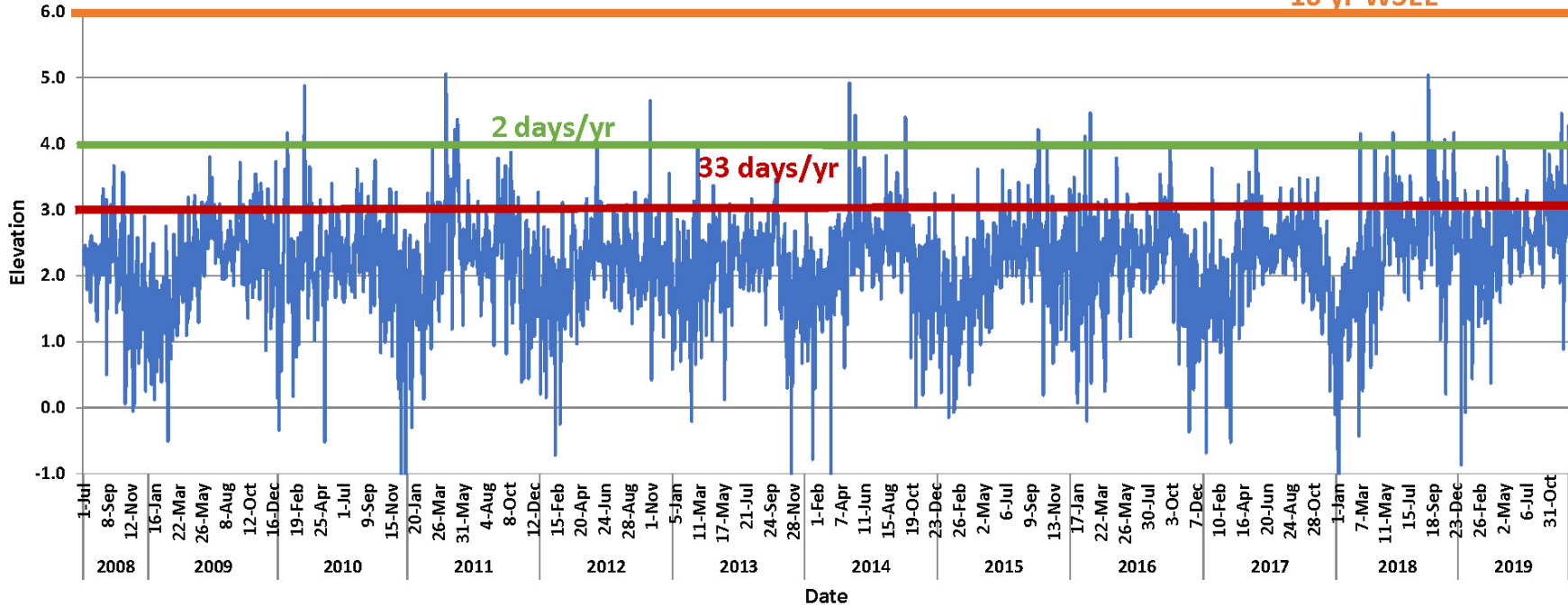


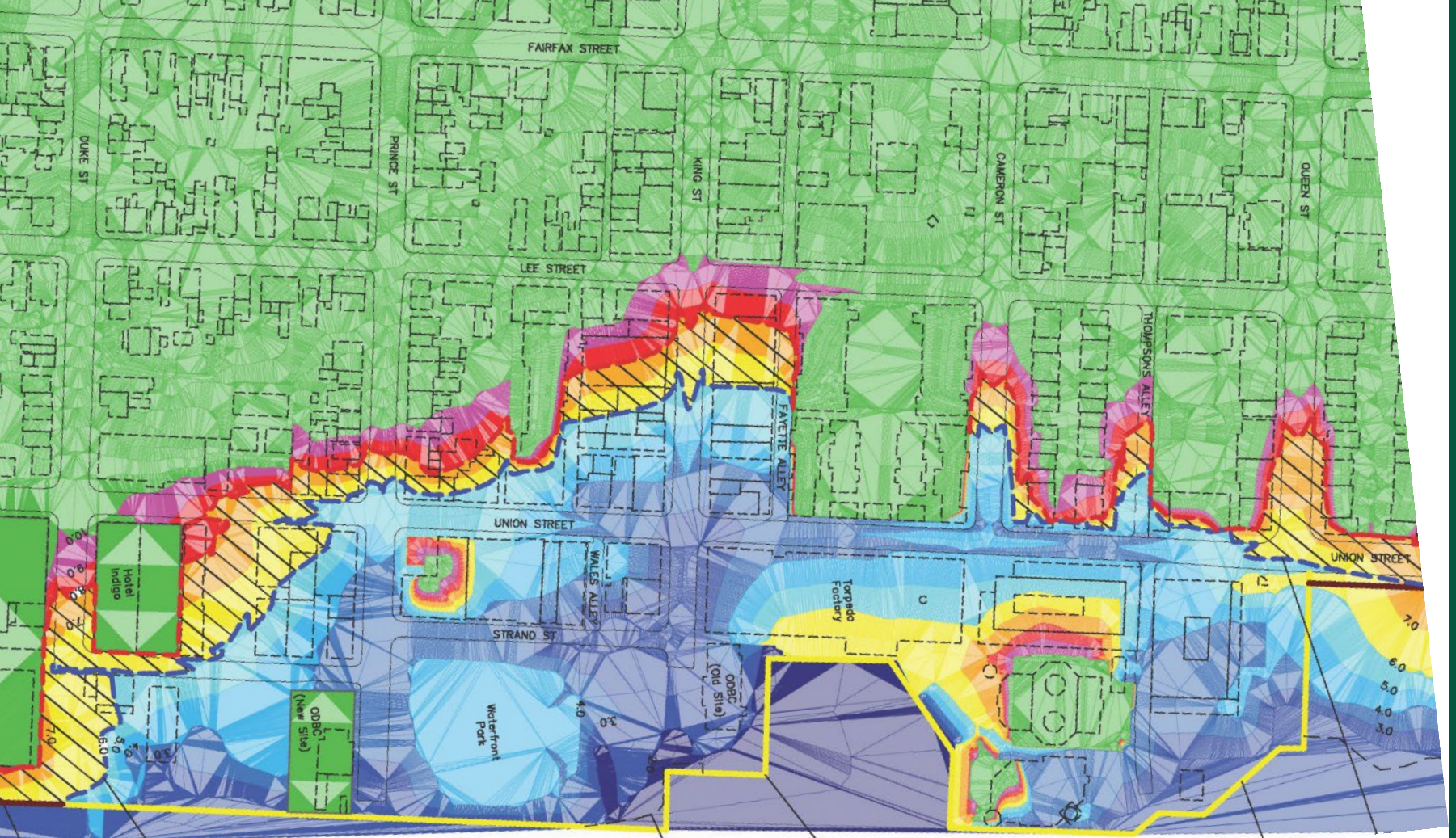
USGS River Elevation

July 2008 - Oct 2019

Maximum Daily Water Surface Elevation

10 yr WSEL





Duke St.

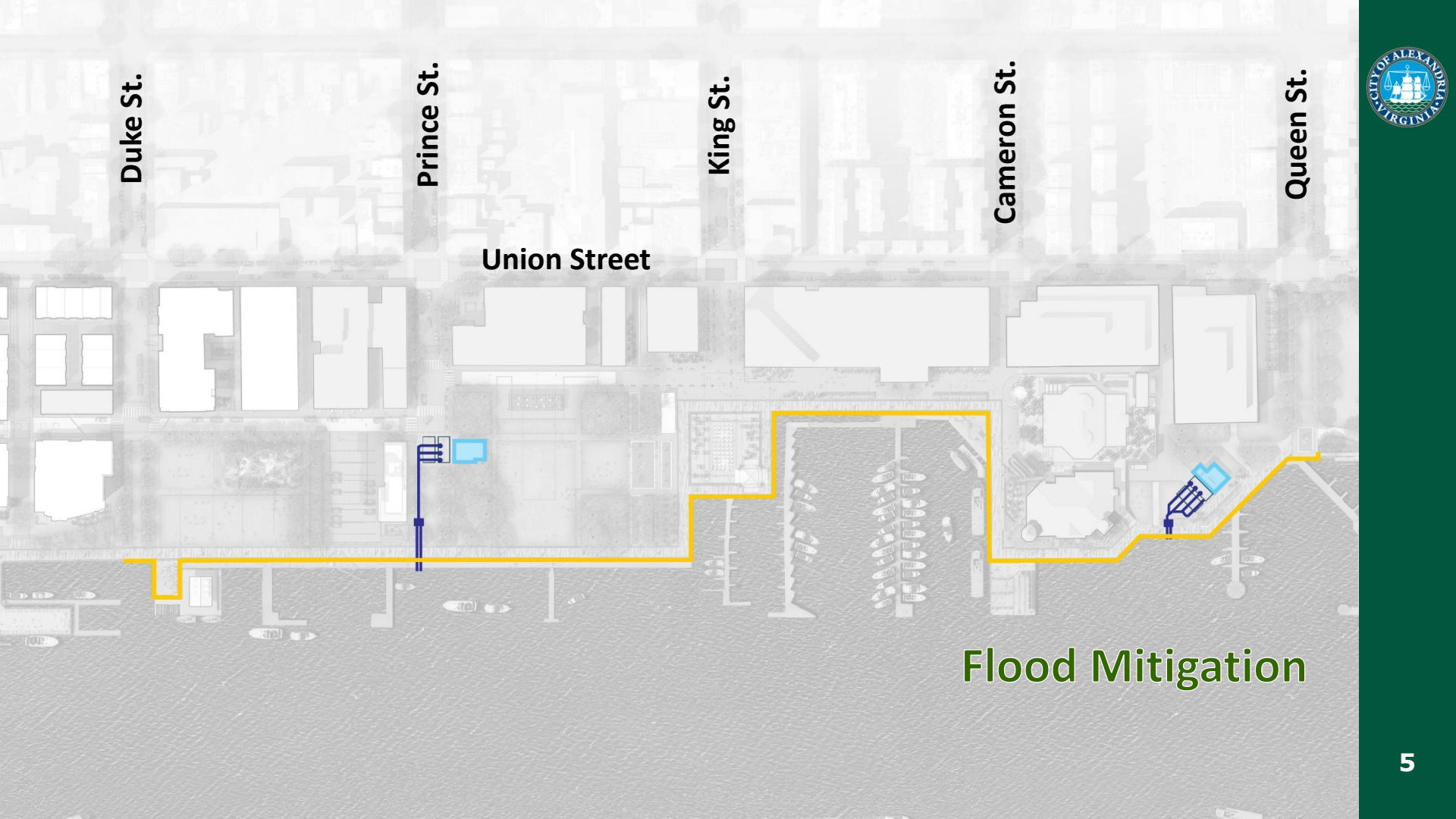
Prince St.

King St.

Cameron St.







Queen St.

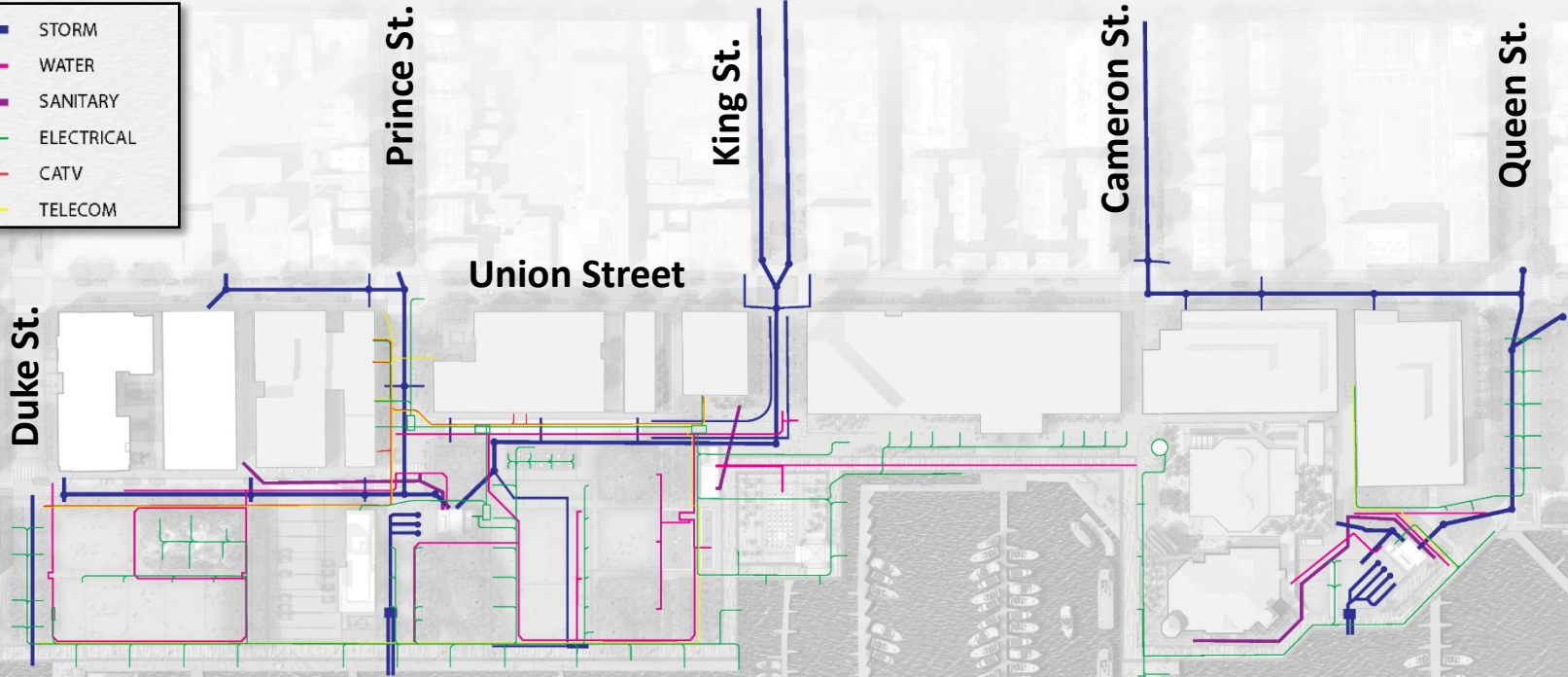
Union Street



Flood Mitigation



	STORM
	WATER
	SANITARY
	ELECTRICAL
	CATV
	TELECOM

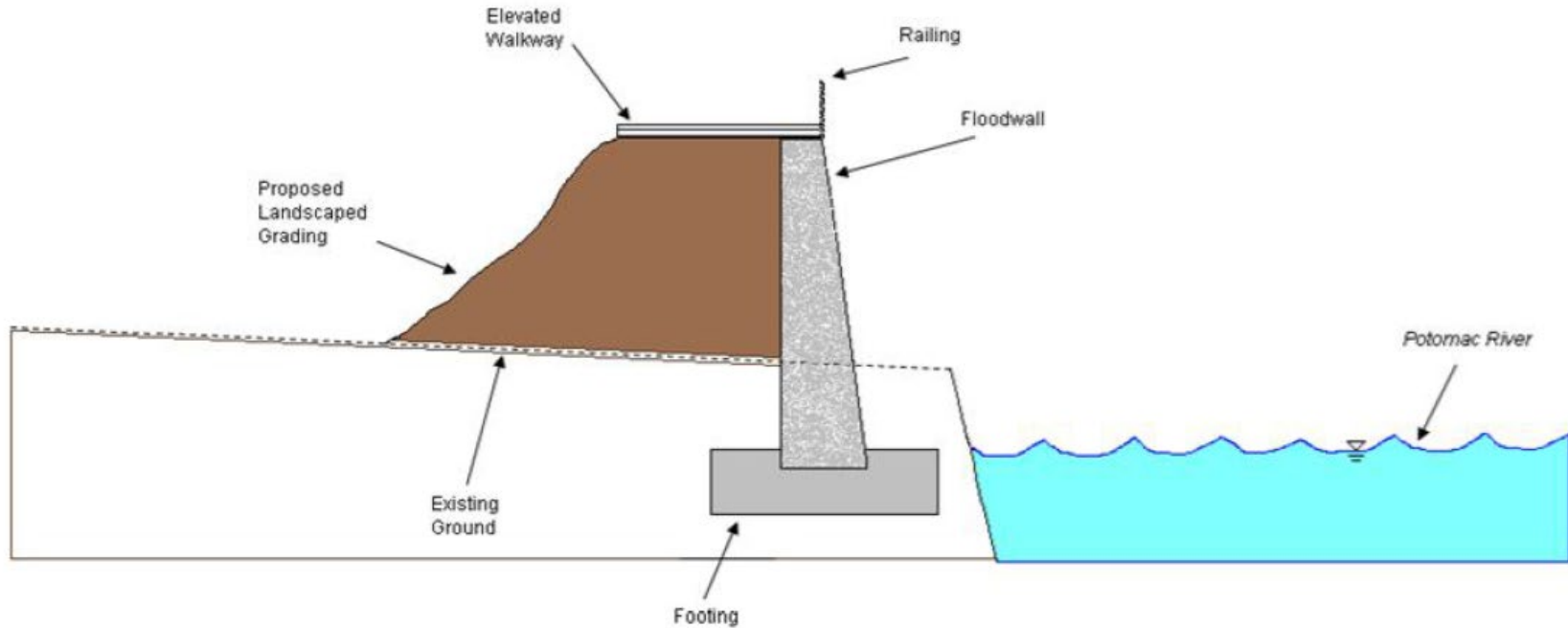


Utilities





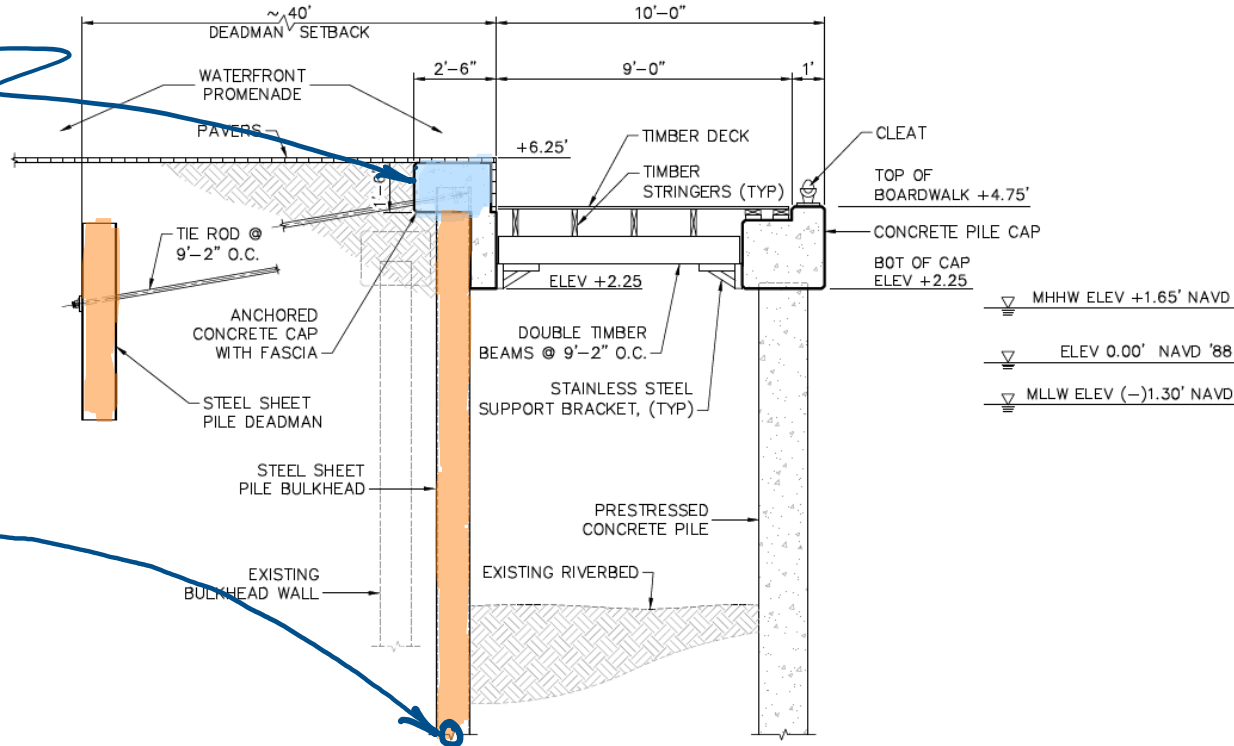
2009 Waterfront Flood Mitigation Study



2014 Schematic Landscape and Flood Mitigation



1.5' x 2.5'
CONCRETE
CAP

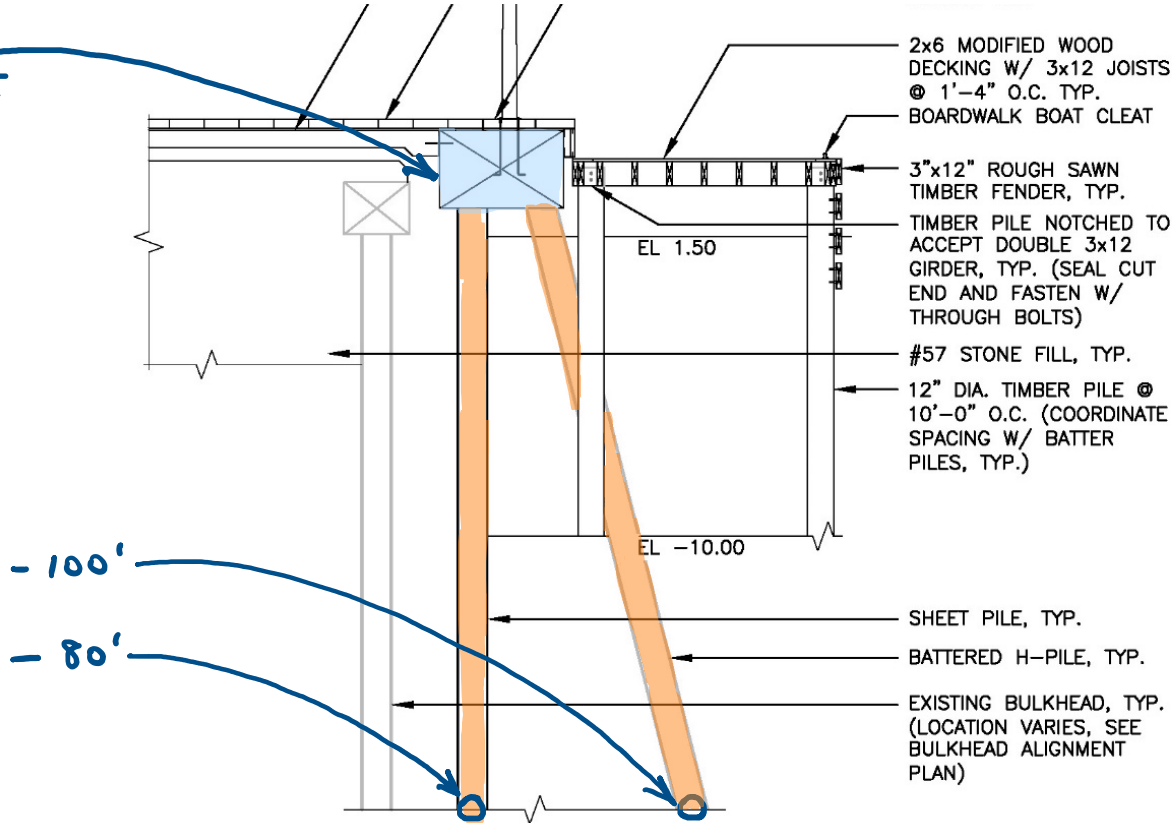


-60'

2019 – Current Design Concept



3' x 5'
CONCRETE
CAP



Cost Drivers – new information

- Geotechnical investigations
- Continued stormwater and pumping design
- Continued bulkhead analysis
- Permitting and mitigation
- Interactive fountain and equipment
- Electrical infrastructure coordination

Projected Program Costs

- Current budget (FY 2021) = \$50.2 million
- Funding required = \$122.0 million (\$71.8 million add'l)
- Increases from 2016 CIP:
 - Construction cost basis due to scope refinement, new design information, market increases (cost and competition).
 - Escalation to mid-year of construction – 10 years from original estimate.

Next Steps

- Continue with Progressive Design-Build (PDB) process.
- Concept review:
 - Resiliency and climate change
 - Current best practices
 - Cost
- Community process to validate project priorities.



Process Schedule

1. Evaluation of project priorities: Dec. 2019 – August 2020
2. Owner-advisor procurement: through February 2020
3. PDB RFP development: Spring 2020 – Late 2020
 - Cost validation
 - Criteria development to qualify PDB
 - Industry outreach
4. PDB procurement: Early 2021 – Late 2021
5. PDB phase 1 (design): 2022
6. Negotiate GMP: Late 2022 / Early 2023
7. PDB phase 2 (construction): Begin 2023



Information & Questions

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www.alexandriava.gov/Waterfront

www.alexandriava.gov/DPI