

North Shore Levee

Cities of Aberdeen and Hoquiam



Funding:

- Chehalis River Basin Flood Authority

Design Team:

- KPFF Consulting Engineers
- Watershed Science & Engineering
- GeoEngineers
- Maul, Foster, & Alongi



Existing Conditions – Flood Risk

(December 10, 2015 high tide)



F Street in Aberdeen



Riverside Avenue in Hoquiam

Existing Conditions – Flood Risk

(January 4-5, 2015 rainfall event)

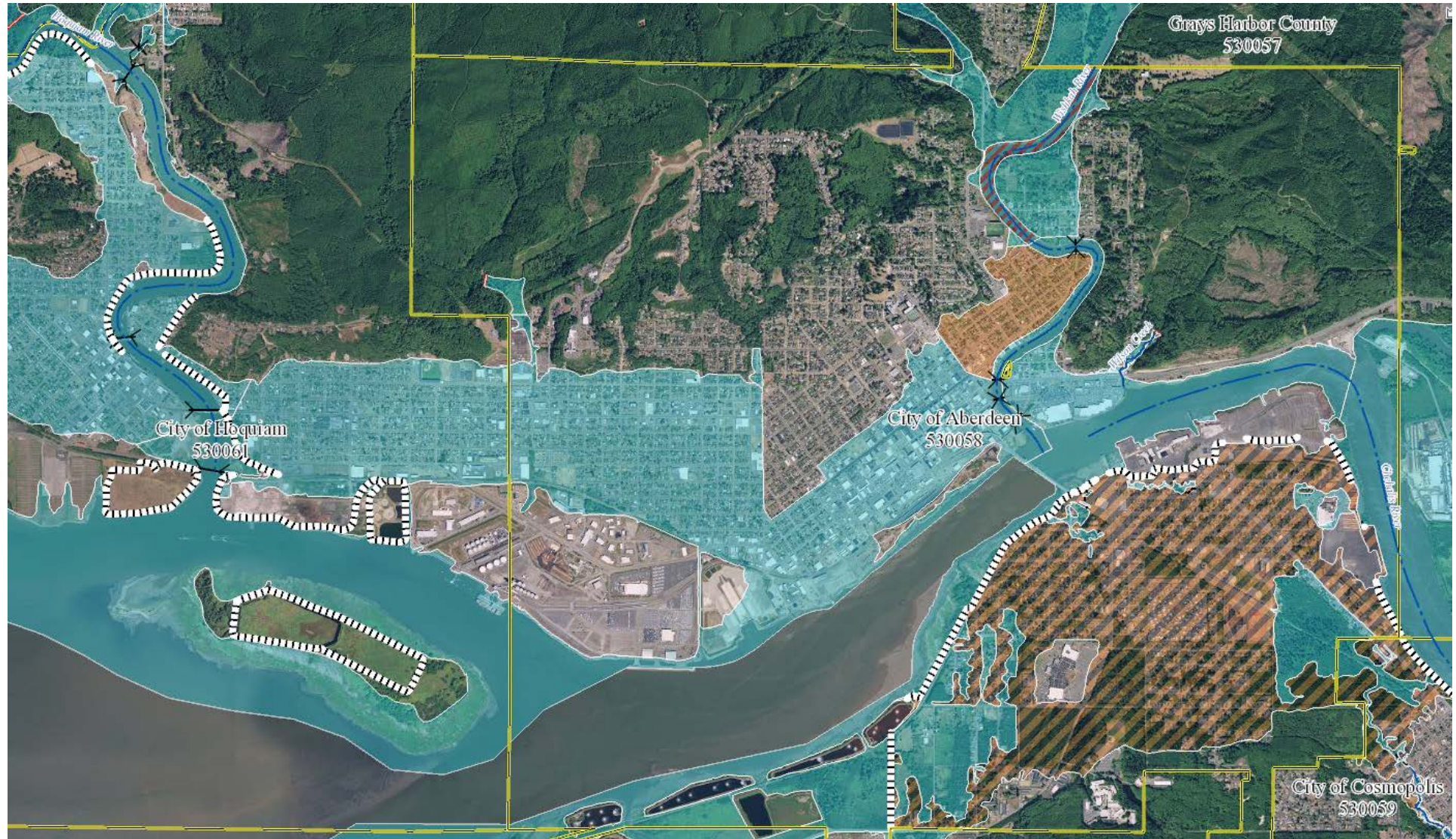


Conger Street in Aberdeen



Oak Street in Aberdeen

Existing Conditions – FEMA Mapping



Living in a Special Flood Hazard Area

- Properties are susceptible to flooding. (\$\$\$)
- NFIP regulations add cost and complexity to development and redevelopment.
 - Redevelopment: If cumulative value of improvements made to a structure over past five years exceeds 50% of market value, structure must be brought into compliance with flood code. (\$\$\$)
- Flood insurance is mandatory with mortgages.
 - Rates are high and are increasing annually. (\$\$\$)



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ECONOMIC LOSS, STIFLED INVESTMENT, AND LOW PROPERTY VALUES

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ECONOMIC LOSS, STIFLED INVESTMENT, AND LOW PROPERTY VALUES

BUILD LEVEE AND DRAINAGE IMPROVEMENTS, GET OUT OF SFHA

Design & Construction Process

1. Surveying, Modeling, & Analysis
 - Aerial photography and photogrammetry
 - On-ground topographic surveying
 - Bathymetric surveying
 - Hydrologic and hydraulic modeling
 - Geotechnical investigation
2. First Phase of Public Outreach, Government & Agency Coordination
3. Develop Preliminary Design & Science Package, Submit to FEMA
4. Receive Conditional Letter of Map Revision (CLOMR) – ***Important!***
5. Second Phase of Public Outreach, Government & Agency Coordination
6. Final Design, Permitting, & ROW Acquisition
7. Construction
8. Levee Certification & Letter of Map Revision (LOMR) → Protected Areas Change from SFHA to Zone X

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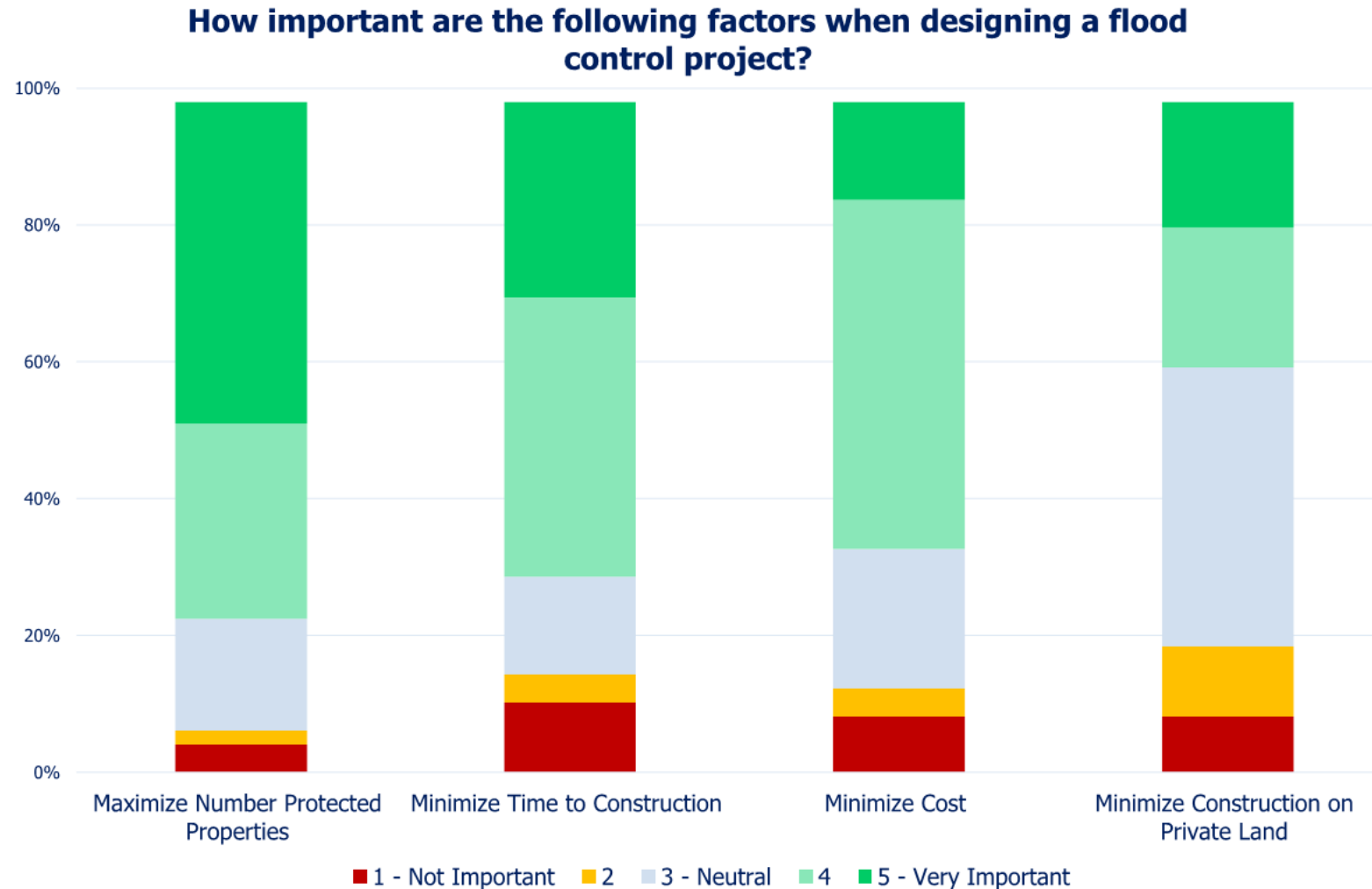
Work Completed

1. Surveying, Modeling, & Analyses ✓



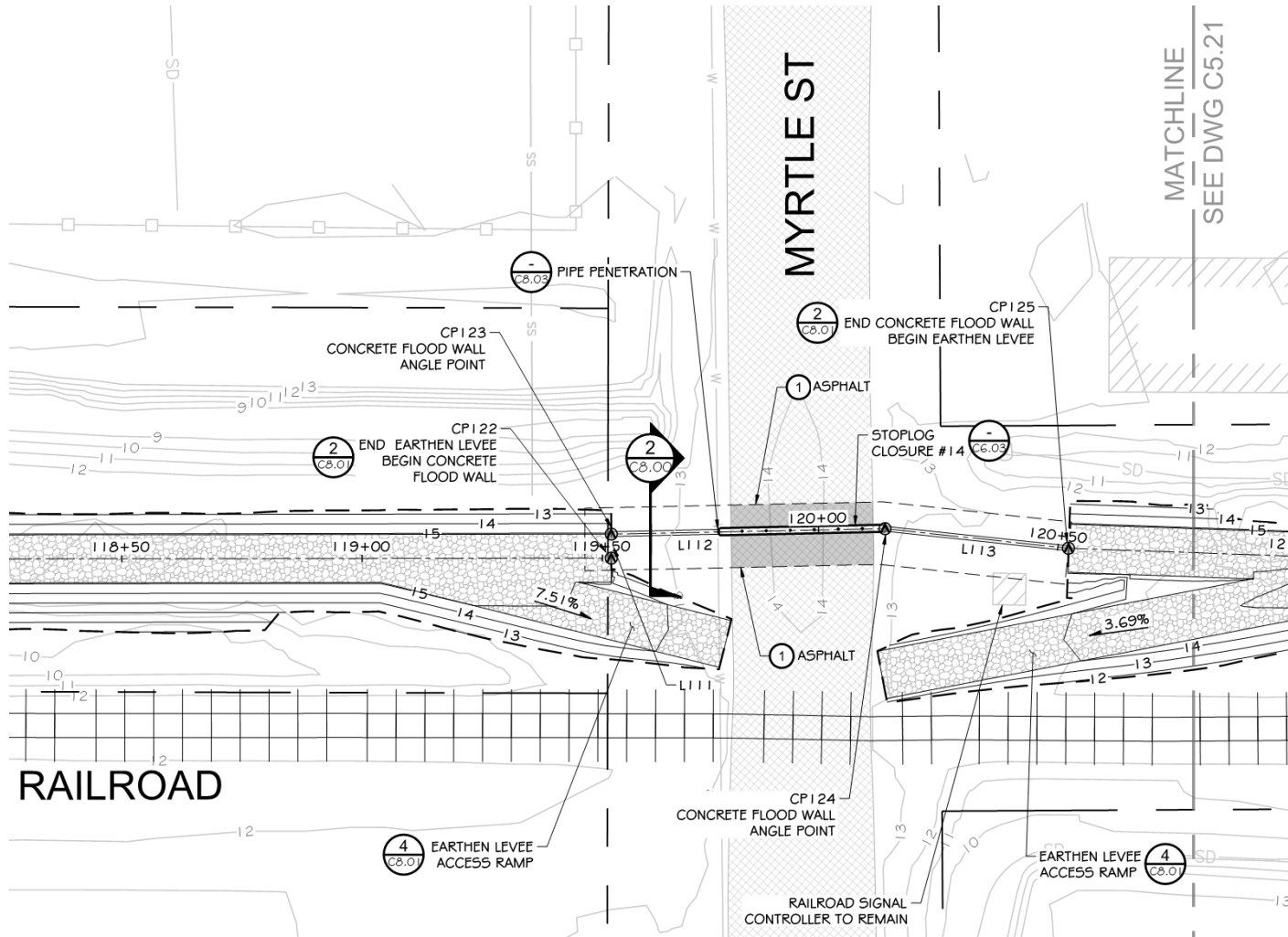
Work Completed

2. First Phase of Public Outreach, Government & Agency Coordination ✓




Work Completed

3. Develop Preliminary Design & Science Package, Submit to FEMA ✓



Work Completed

4. Receive Conditional Letter of Map Revision (CLOMR) ✓



Federal Emergency Management Agency
Washington, D.C. 20472

October 5, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Erik Larson
Mayor, City of Aberdeen
Aberdeen City Hall
200 East Market Street
Aberdeen, WA 98520


IN REPLY REFER TO:
Case No.: 17-10-1610R
Community Name: City of Aberdeen, WA
Community No.: 530058

Dear Mayor Larson:

We are providing our comments with the enclosed Conditional Letter of Map Revision (CLOMR) on a proposed project within your community that, if constructed as proposed, could revise the effective Flood Insurance Study report and Flood Insurance Rate Map for your community.

If you have any questions regarding the floodplain management regulations for your community, the National Flood Insurance Program (NFIP) in general, or technical questions regarding this CLOMR, please contact the Director, Mitigation Division of the Federal Emergency Management Agency (FEMA) Regional Office in Bothell, WA, at (425) 487-4682, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,



Patrick "Rick" F. Sacibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

List of Enclosures:
Conditional Letter of Map Revision Comment Document

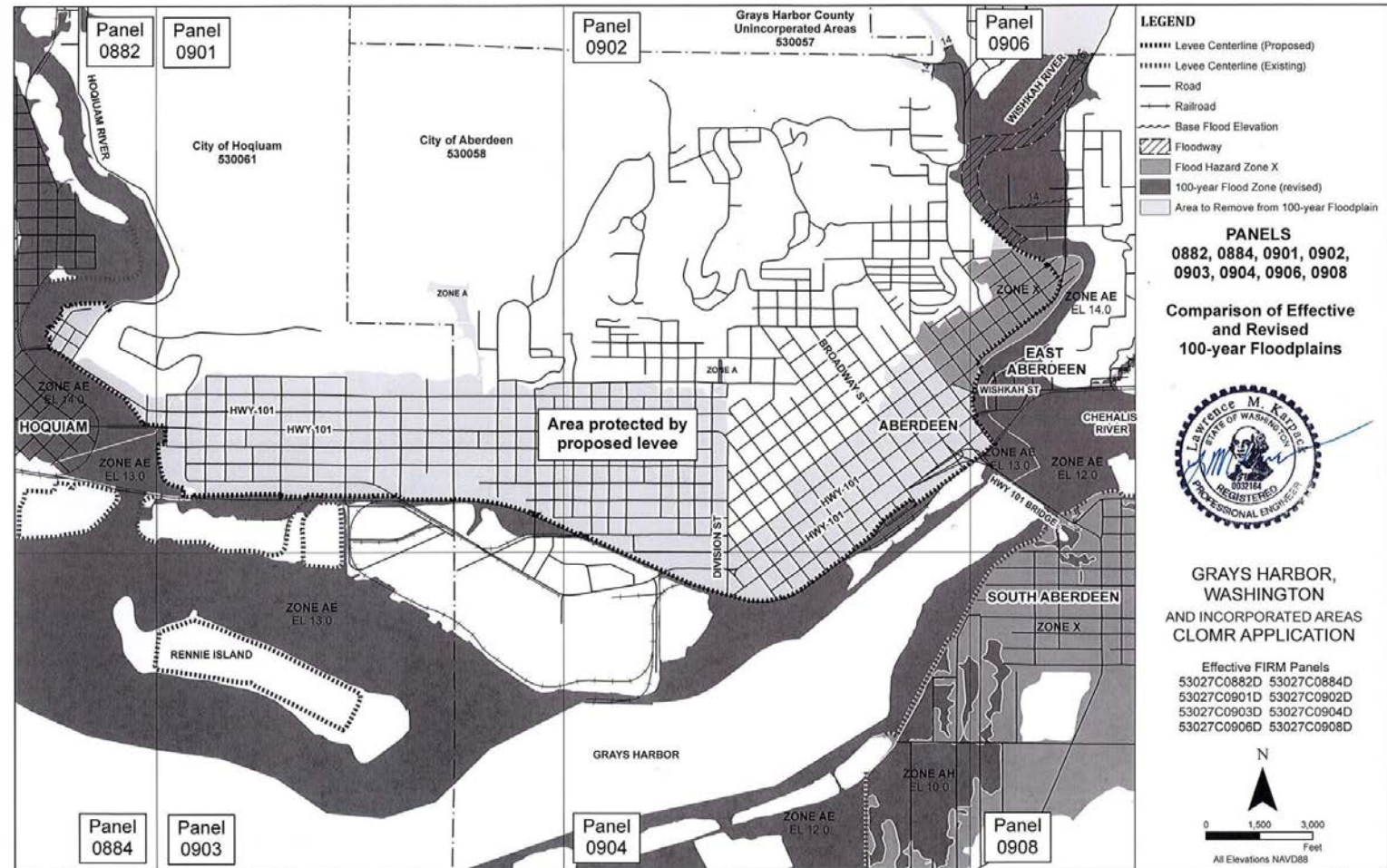
cc: The Honorable Jasmine Dickhoff
Mayor, City of Hoquiam

Mr. David Radabaugh, CFM
Washington Department of Ecology

Mr. Kris Koski, P.E.
City Engineer
City of Aberdeen

Mr. Mark Steepy, P.E.
KPFF Consulting Engineers

Mr. Brian Shay
City Administrator
City of Hoquiam



Upcoming Tasks

5. Second Phase of Public Outreach, Government & Agency Coordination
6. Final Design, Permitting, & ROW Acquisition
7. Construction
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- * *Partially funded through Chehalis River Basin Flood Authority (\$1.5 million)*

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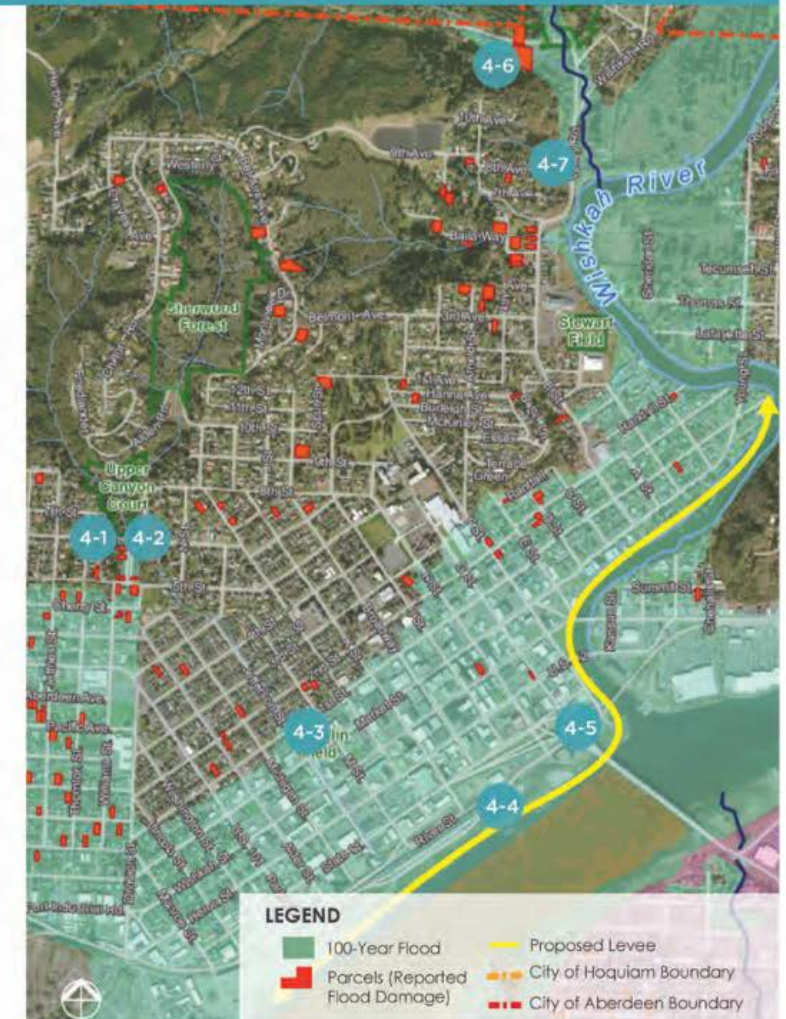
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** *Funding plan in development.*

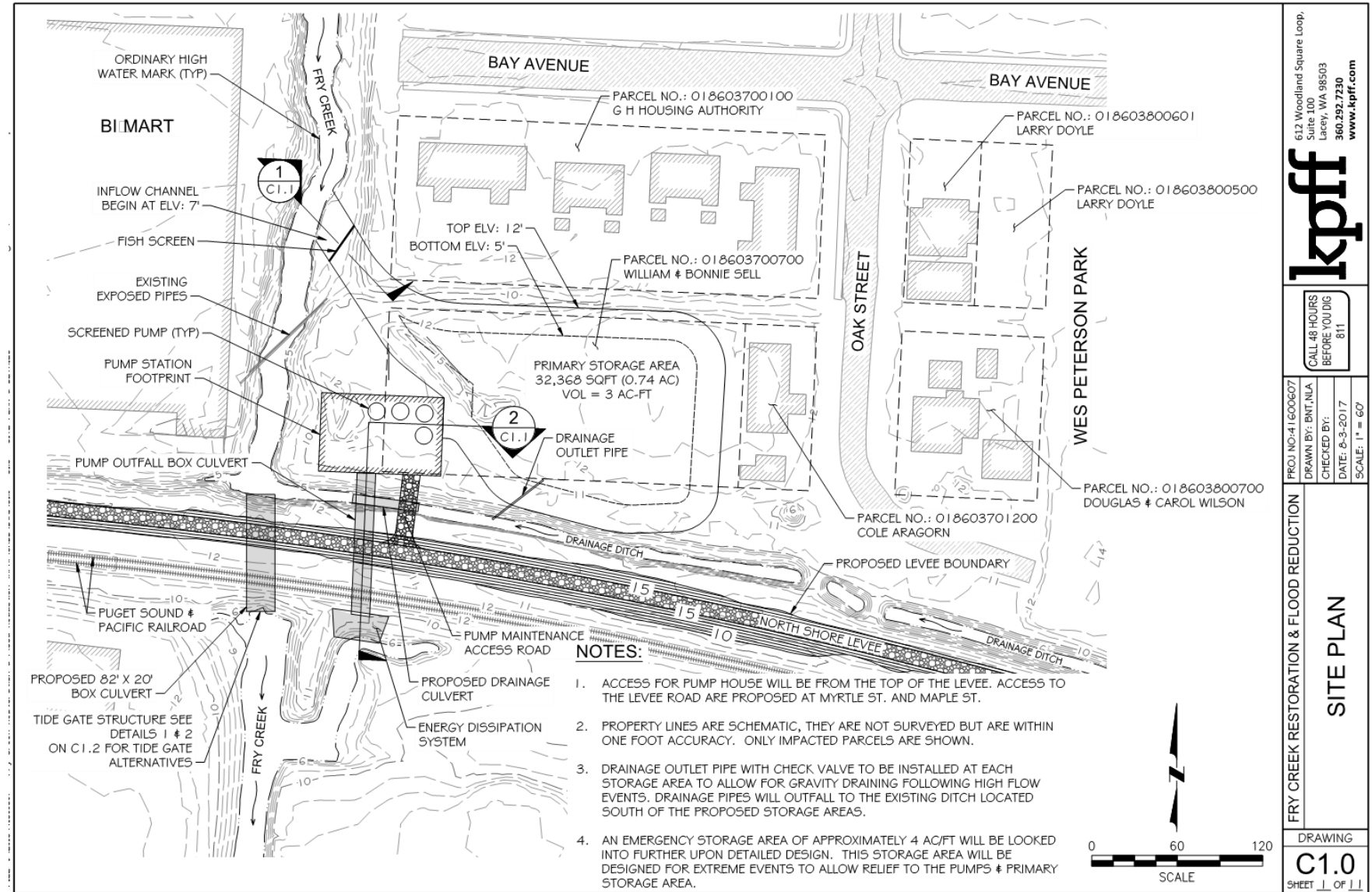
TimberWorks Master Plan

Focus Area 4: West Aberdeen

Project	Cost
4-1 Targeted Land Protection	LOW
4-2 Finch Playfield Flood Control Park	MED
4-3 Franklin Field Upgrade	MED
4-4 Upgrade Outfall Pumps	HIGH
4-5 North Shore Levee	HIGH
4-6 Stewart Creek Culvert Replacement	LOW
4-7 Stewart Creek Confluence Floodplain Reconnection	MED

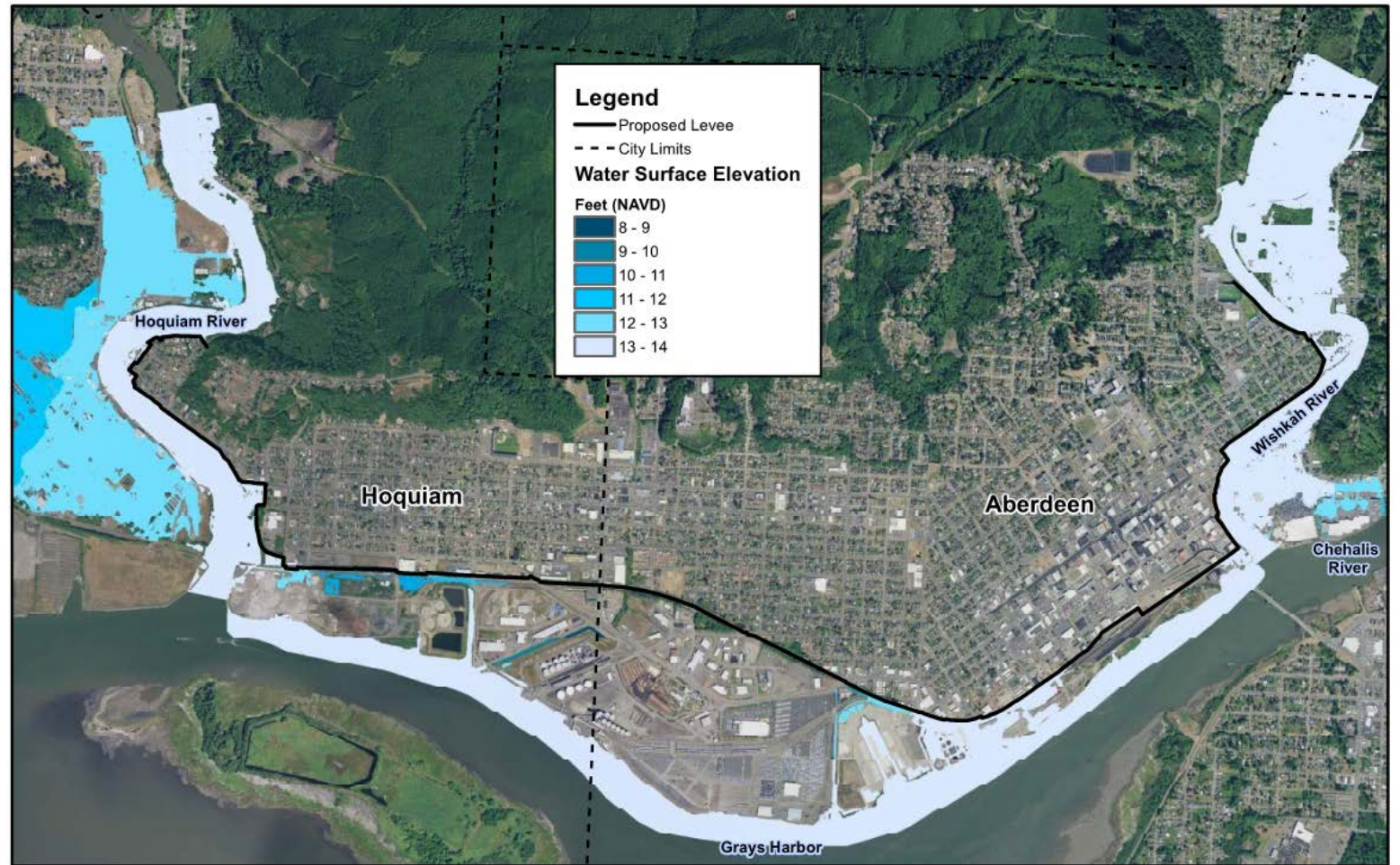


Fry Creek Project Coordination: Future Pump Station



Thank You

Kris Koski, PE
City Engineer
City of Aberdeen
(360) 537-3218
kkoski@aberndeenwa.gov



www.ezview.wa.gov/aberndeenfloodrelief

