WEST PITTSTON BOROUGH

Levee Project Briefing

October 7, 2026 · 6:30 – 7:30 PM

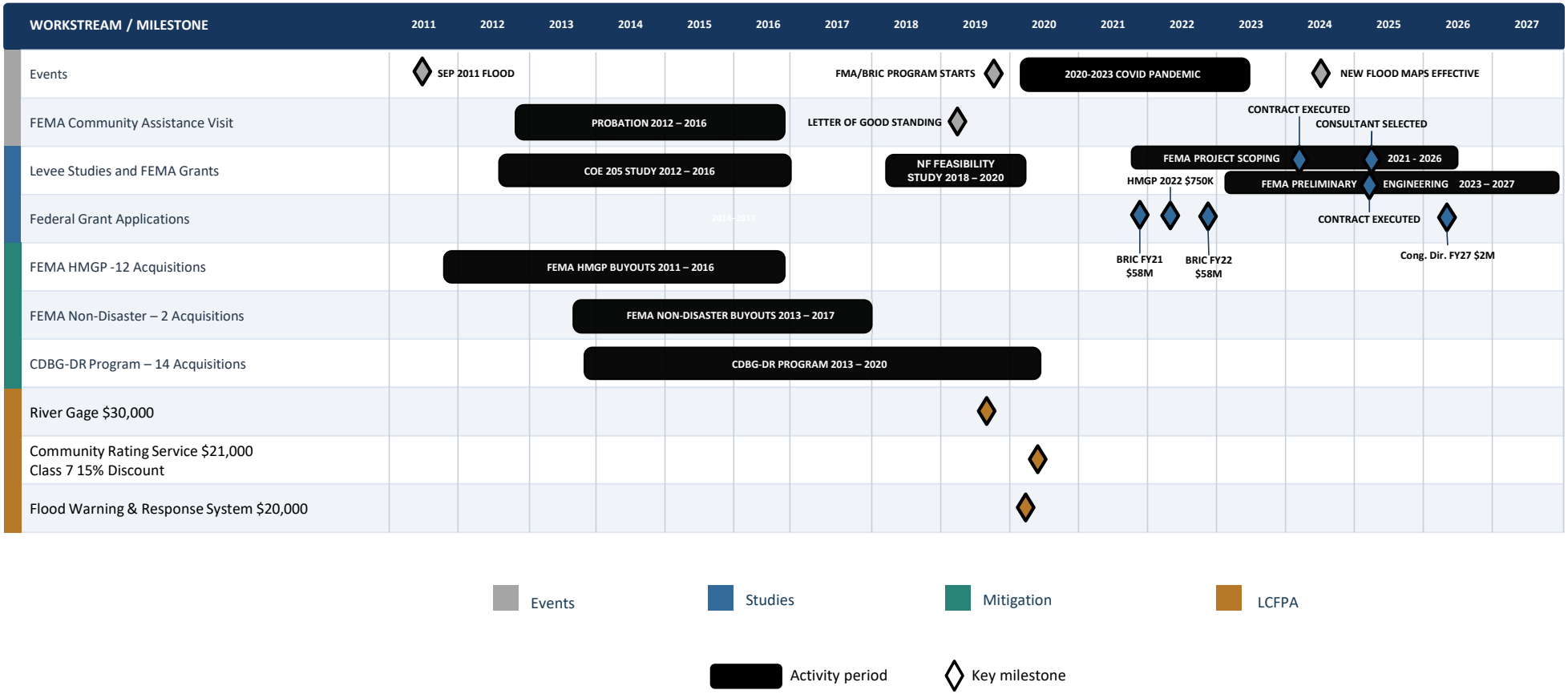
Project No. 031.0000032512

Prepared by: Brozena Consulting Services · Verdantas · Reilly Associates

Meeting Agenda

1. Project History and Implementation Timeline
2. Updated Levee Concept and Overall Alignment/Profile
3. Interior Drainage, Pumping, and Residual Ponding
4. Armory Parcel Concepts
5. Schedule and Implementation Strategy
6. Questions

1 Project History & Implementation Timeline

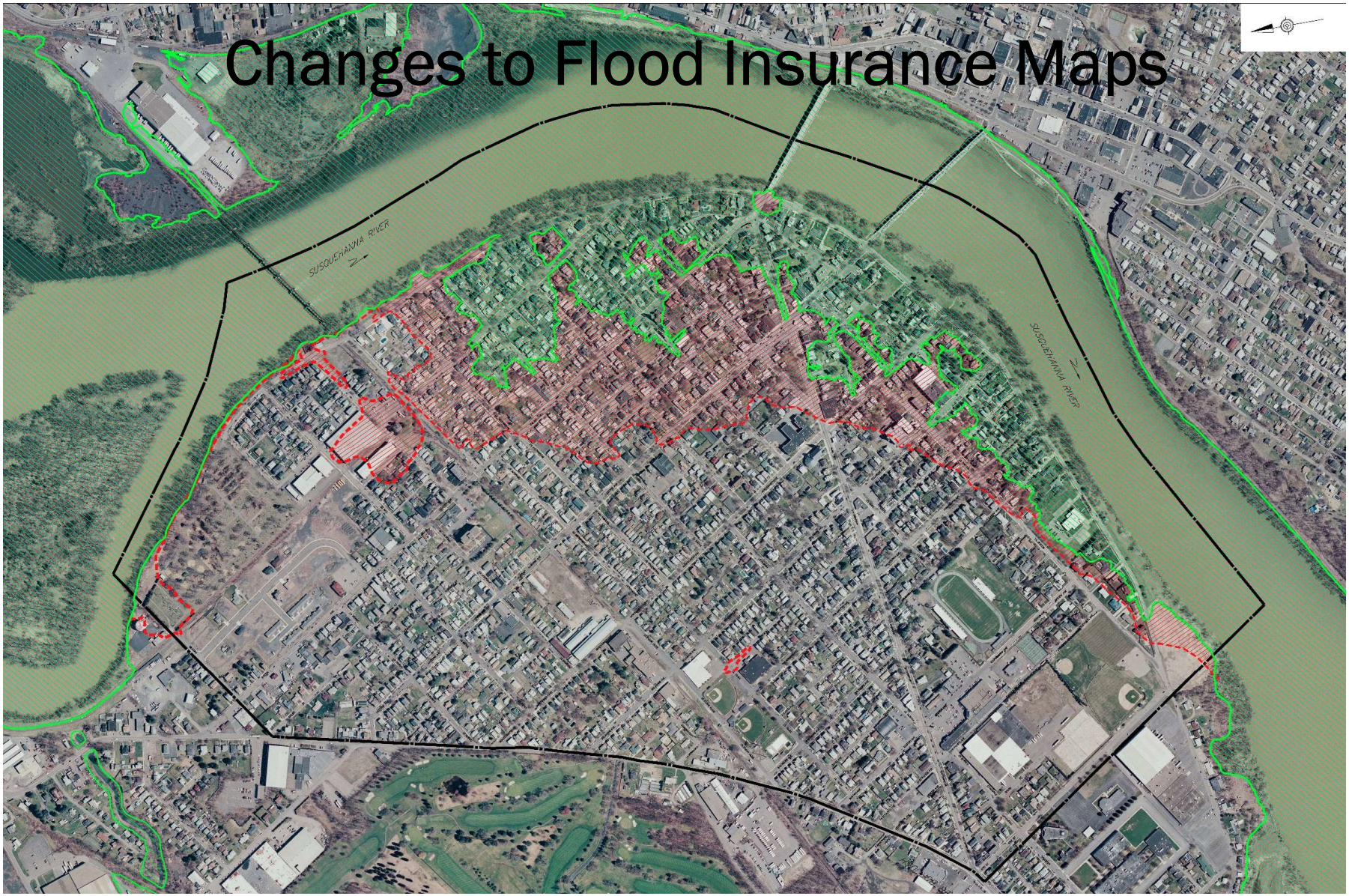


2 Updated Levee Concept and Overall Alignment/Profile

- Project limits, general levee and floodwall configuration, closures
- Levee profile, freeboard considerations, tie-out requirements
- Induced flooding considerations and applicable FEMA requirements

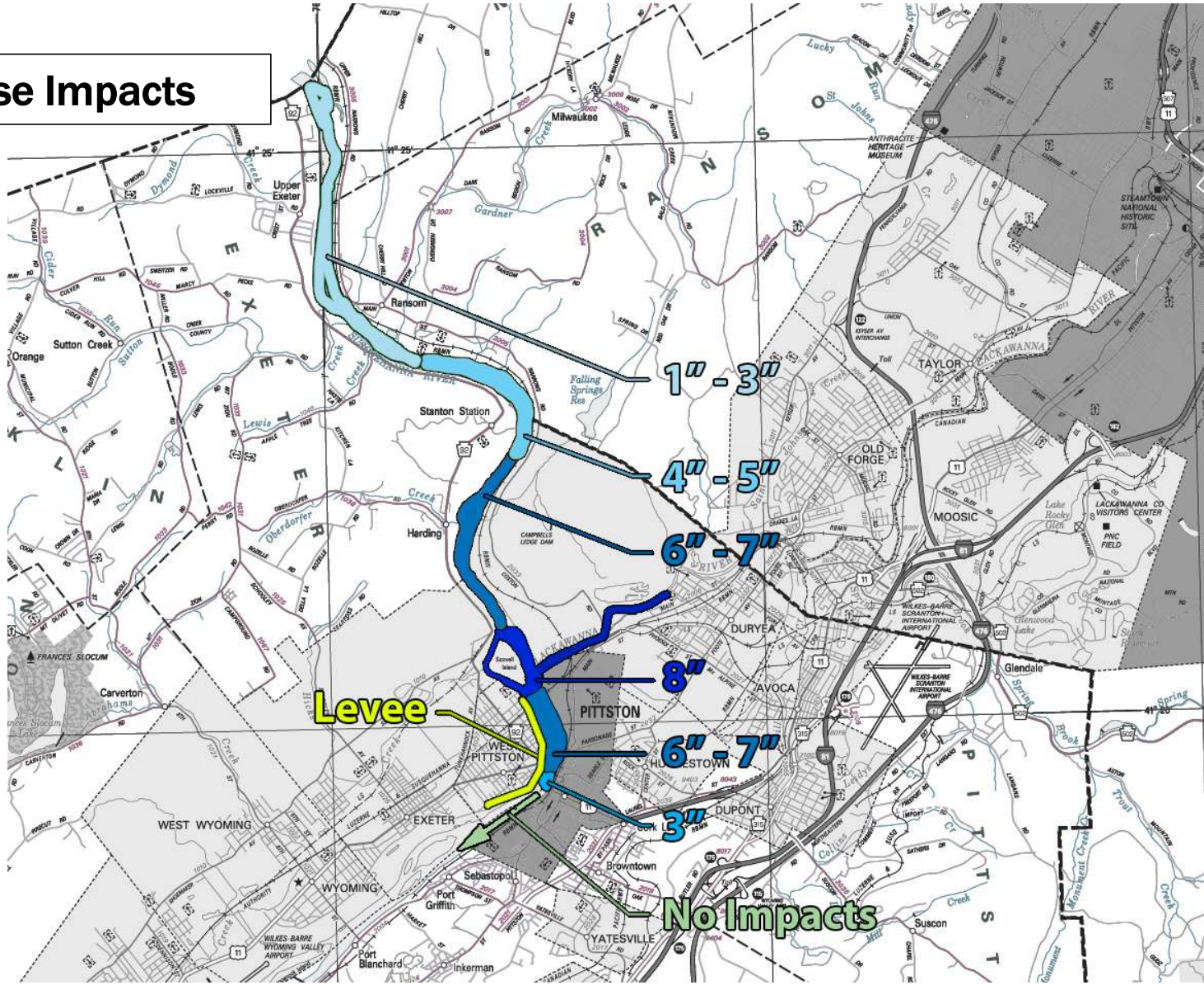

Extents of Lee Flood

Changes to Flood Insurance Maps



Project Related Adverse Impacts

- Exeter Township/Harding
- Exeter Levee
- Lackawanna River/Duryea
- Pittston City
- Jenkins Township
- Exeter Borough

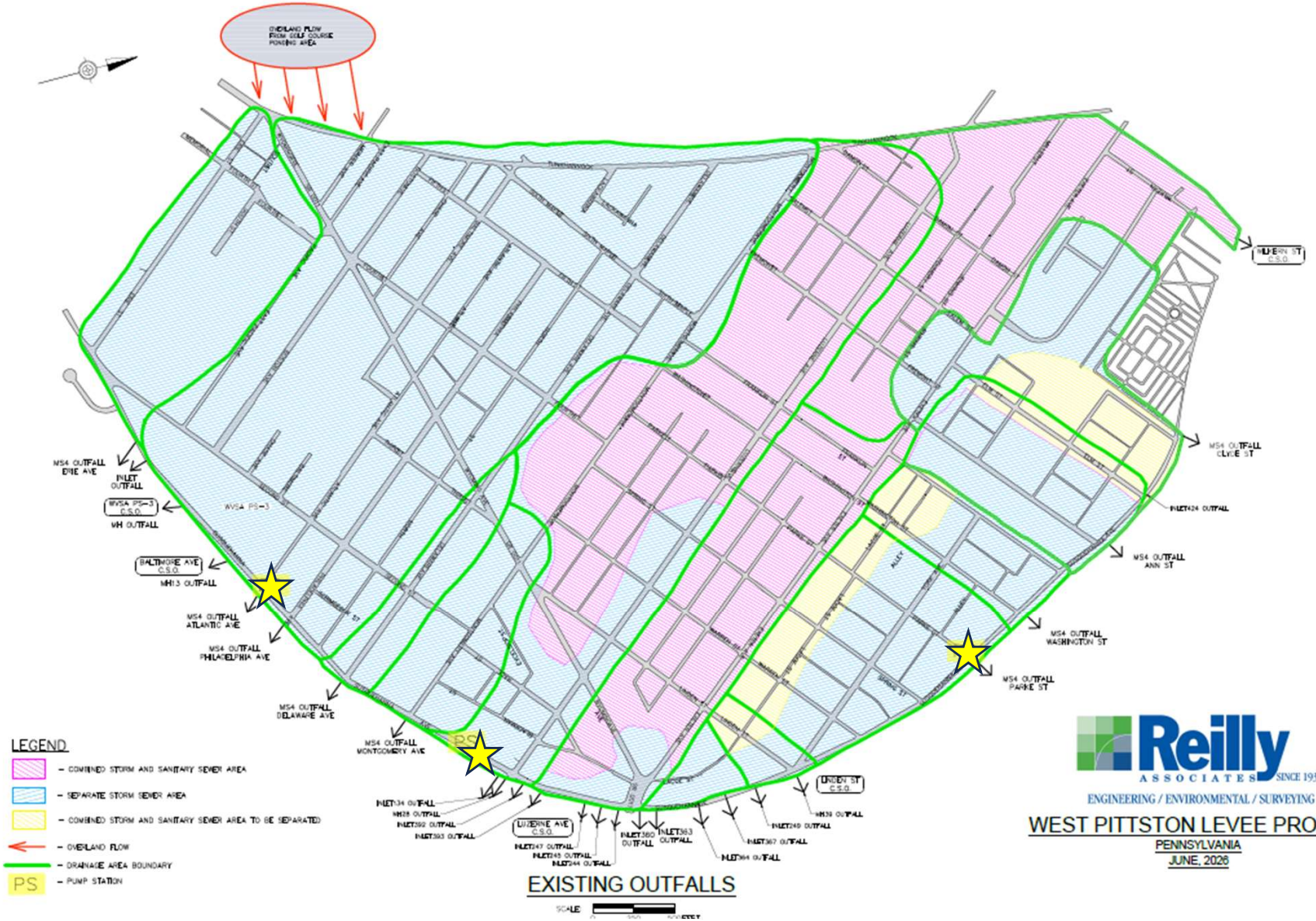



630 FT
700 FT
1,000 FT
Pittston


CLOSURE STRUCTURE
LEVEE WALL
HYBRID LEVEE (EARTH & WALL)
START 10' TOP WIDTH EARTH LEVEE
SUSQUEHANNA AVE ROAD, DRIVEWAY, AND SIDEWALK IMPROVEMENTS
PROPOSED CUL-DE-SAC
RELOCATED WWSA SANITARY PUMP STATION
RECREATIONAL AREA
PUMP STATION 1
ATLANTIC AVE, SUSQUEHANNA AVE, AND PHILADELPHIA AVE ROAD, DRIVEWAY, AND SIDEWALK IMPROVEMENTS
SUSQUEHANNA RIVER
PUMP STATION 2
WALLS
ACCESS RAMP
CLOSURE STRUCTURE
HYBRID LEVEE (EARTH & WALL)
FUTURE BRIDGE REPLACEMENT
PATH (UNDER BRIDGE)
CLOSURE STRUCTURE
FUTURE BRIDGE REPLACEMENT
ACCESS RAMP
HYBRID LEVEE (EARTH & WALL)
PUMP STATION 3
SUSQUEHANNA RIVER
EARTH LEVEE END
4' TOP WIDTH EARTH LEVEE
6' TOP WIDTH EARTH LEVEE
ROAD AND SIDEWALK IMPROVEMENTS
2.5' HIGH CONCRETE MASONRY BLOCK WALL
8' TOP WIDTH EARTH LEVEE
RAILROAD BRIDGE
CONCRETE T WALL
END 10' TOP WIDTH EARTH LEVEE

3 Interior Drainage, Pumping, and Residual Ponding

- Current interior drainage criteria and the joint-probability approach
- Status of pump station sizing and drainage routing
- Interior ponding locations and residual risk



EXISTING OUTFALLS

SCALE

Reilly ASSOCIATES SINCE 1930

ENGINEERING / ENVIRONMENTAL / SURVEYING

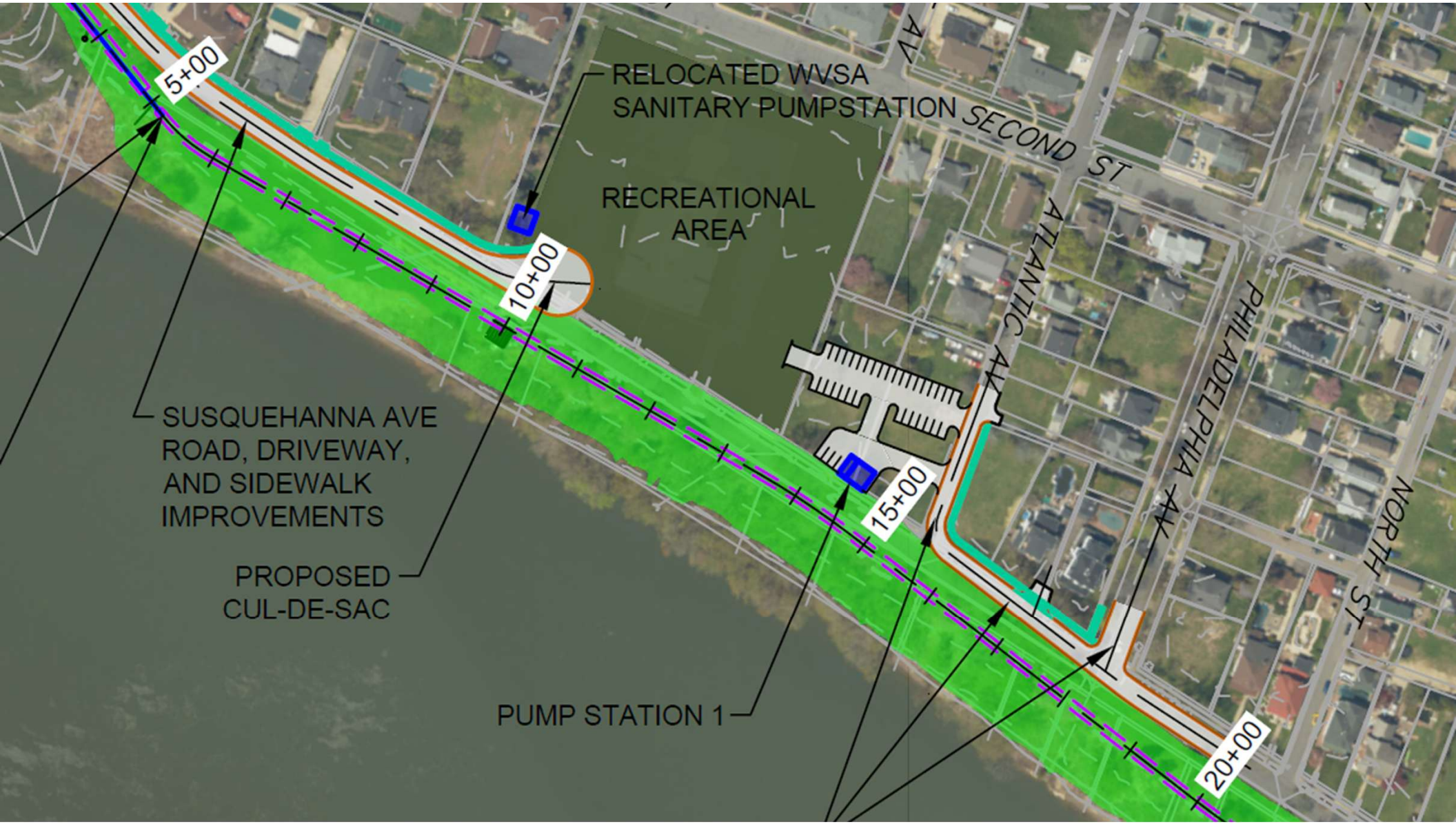
WEST PITTSTON LEVEE PROJECT

PENNSYLVANIA

JUNE, 2026

4 Armory Parcel Concepts

- Concept alternatives
- Traffic pattern impacts
- Recreational and community use of the armory parcel
- Shade tree planting


5+00
RELOCATED WVSA
SANITARY PUMPSTATION
RECREATIONAL
AREA
10+00
SECOND ST
ATLANTIC AV
PHILADELPHIA AV
NORTH ST
15+00
20+00
SUSQUEHANNA AVE
ROAD, DRIVEWAY,
AND SIDEWALK
IMPROVEMENTS
PROPOSED
CUL-DE-SAC
PUMP STATION 1











5 Schedule, Funding, and Implementation Strategy

- Current design and permitting funding needs
- Potential advance projects — sewer separation and enabling utility work
- Project Funding

Total Project Costs (2026)

Cost Category		Amount
Engineering		
- Project Scoping	*Schematic Design, Survey, Environmental Site Assessment, Wetlands Screening, Geotechnical Field Exploration, Prelim Hydrology/Hydraulics, Benefit/Cost Analysis*	$700,000
- Preliminary Design	*Cultural Resources/Archeology, Interior Drainage Analysis, Hydraulic Modeling, Pump Stations (Mechanical, Electrical, Structural Design), Geotechnical Design, Preliminary Plans/Profiles/Sections (60%), CLOMR*	$1,900,000
- Final Design	*100% plans/profiles/sections and construction details, technical specifications, permitting and agency approvals, final construction cost estimate, and bid documents*	$2,400,000
Construction		$60,000,000
Total Anticipated Project Costs		**$65,000,000**

Funding

State Programs

- Pa Capital Budget Allocation
- Redevelopment Capital Assistance Program (RCAP) - Office of the Budget
- H2O PA Program – CFA, Grants $500,000 to $20 MM
- Act 13 Flood Mitigation Program – CFA, Grant $500,000 max
- Local Share Account Luzerne County – CFA
- PA Infrastructure Investment Authority (PENNVEST) – Grants and Low Interest Loans
- Future programs…. “Restore Pennsylvania”

Federal Programs

- FEMA Grants (BRIC)
- FEMA Grants (Congressionally Directed LPDM)
- Economic Development Administration (EDA) Grants
- HUD Community Development Block Grants, CDBG and CDBG-DR
- USDA Rural Development Low Interest Loans and Grants
- Future Federal Infrastructure Grant Programs

Local and County

- Luzerne County Flood Protection Authority Mitigation Funds
- Municipal Bond Issue
- Partnering with WVSA and Utility Companies

6 Questions

- What percent complete will design be at the conclusion of Preliminary Engineering?
- Has the induced flooding caused by the levee been mitigated?
- What have engineers learned from the geotechnical boring program?
- What funding opportunities are being tracked by the project team?
- What information will be posted to the Borough's website?

Additional questions may be submitted online at:
https://westpittstonborough.com/contact-us/