

Tookany Creek Feasibility Study

Project Update

February 12, 2014



US Army Corps of Engineers
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Study Schedule (Feasibility Study)

Range 18-24 Months

Action Item	Actual/Anticipated Completion
Cheltenham Township Approval	April 2012
Feasibility Cost Share Agreement Execution	June 2012
Existing Conditions Modeling	December 2012
Formulating Alternative Plans	February 2013
Evaluation of Alternative Plans	September 2013
<i>Decision Point: Proceed to Phase 2 of the Feasibility Study</i>	
Comparison of Alternative Plans	March 2014
Draft Feasibility Report (Working Group)	March 2014
Public Notice/ Public Review	April 2014
Final Feasibility Report	July/August 2014



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Feasibility Study Process

Six Step Planning Process



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FEASIBILITY STUDY STATUS

- Work to be Done

Deliverable	Original Completion Date	Revised Completion Date
Environmental Assessment	February 2014	April 2014
Economics Appendix	February 2014	April 2014
Engineering Appendix	February 2014	April 2014



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Findings to Date

- ▶ Estimated Annual Damages (\$2.3M) – includes residential, commercial, industrial and public structures
- ▶ Flood inundation from high frequency storm events (i.e. < 5 year event)
 - Detention measures showing potential for improved flood risk management
 - Analyzing individual impact(s) as well as systematic hydraulic impact(s)
 - Preliminary design and cost estimates vary based on extent of excavation
 - Floodplain Reconnection
- ▶ Buyout/Floodproofing

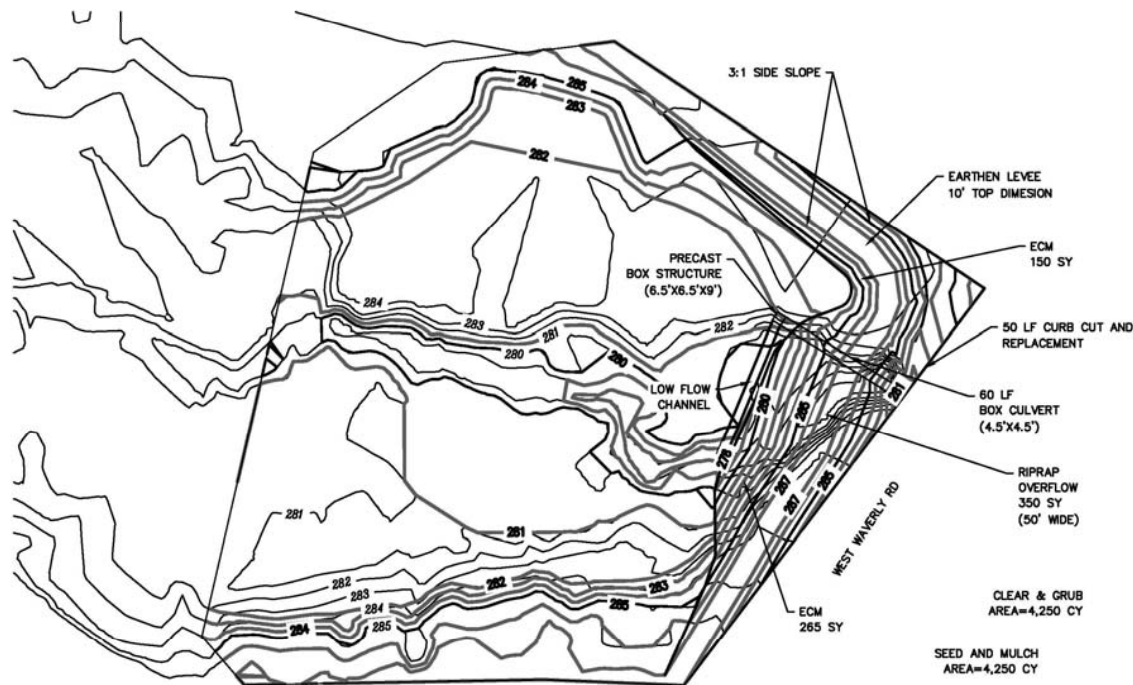


Issues

- Optimization of the basin configurations complicates the analysis and requires multiple iterations.
- Economic Model “with Project Conditions”
- Approval for concurrent reviews
- Benefit Cost Ratio for Federal interest



Potential Detention Basin Design



TOOKANY CREEK FLOOD STUDY – WEST WAVERLY ROAD OPTION 2
DESIGN ENGINEER: DAVID KOPER
DATE: DEC 18 2013



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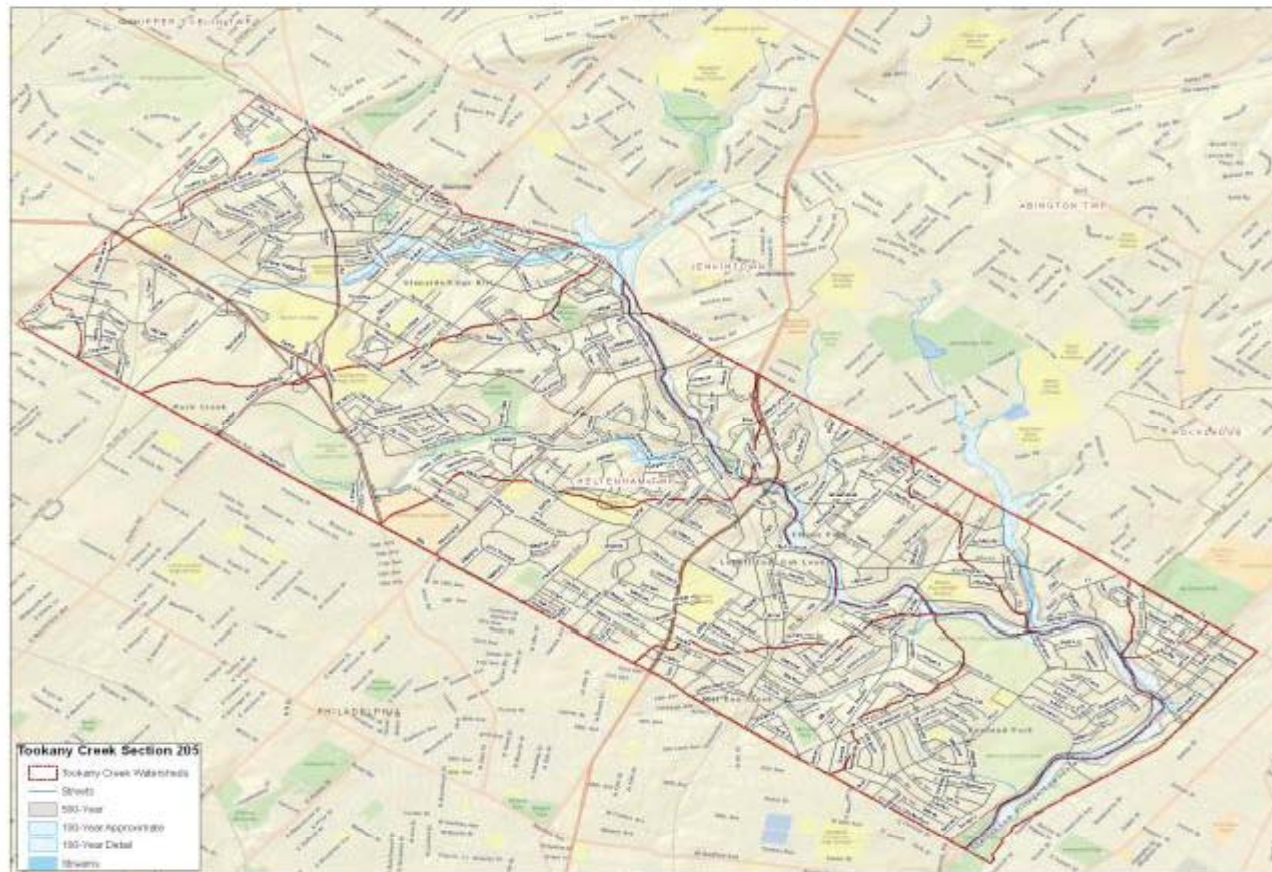
With
Project
Conditions



SAMPLE

QUESTIONS & ANSWERS

Tookany Creek
Cheltenham Township, Montgomery County, Pennsylvania
SECTION 205, FLOOD DAMAGE REDUCTION



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