

Tookany Creek Feasibility Study

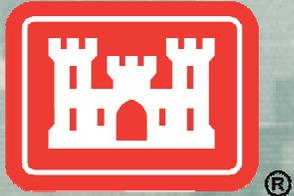
USACE Project Discussion

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Water Resources Planner

Philadelphia District

April 8, 2015



US Army Corps of Engineers
BUILDING STRONG®



With Project Analysis

Five Final Alternatives Evaluated:

- Alternative 1 – No Action Plan
- Alternative 2 – The Upper Tookany Creek Plan
- Alternative 3 – The Baederwood Creek Plan
- Alternative 4 – The Comprehensive Plan
- Alternative 5 – The Rock Creek Plan

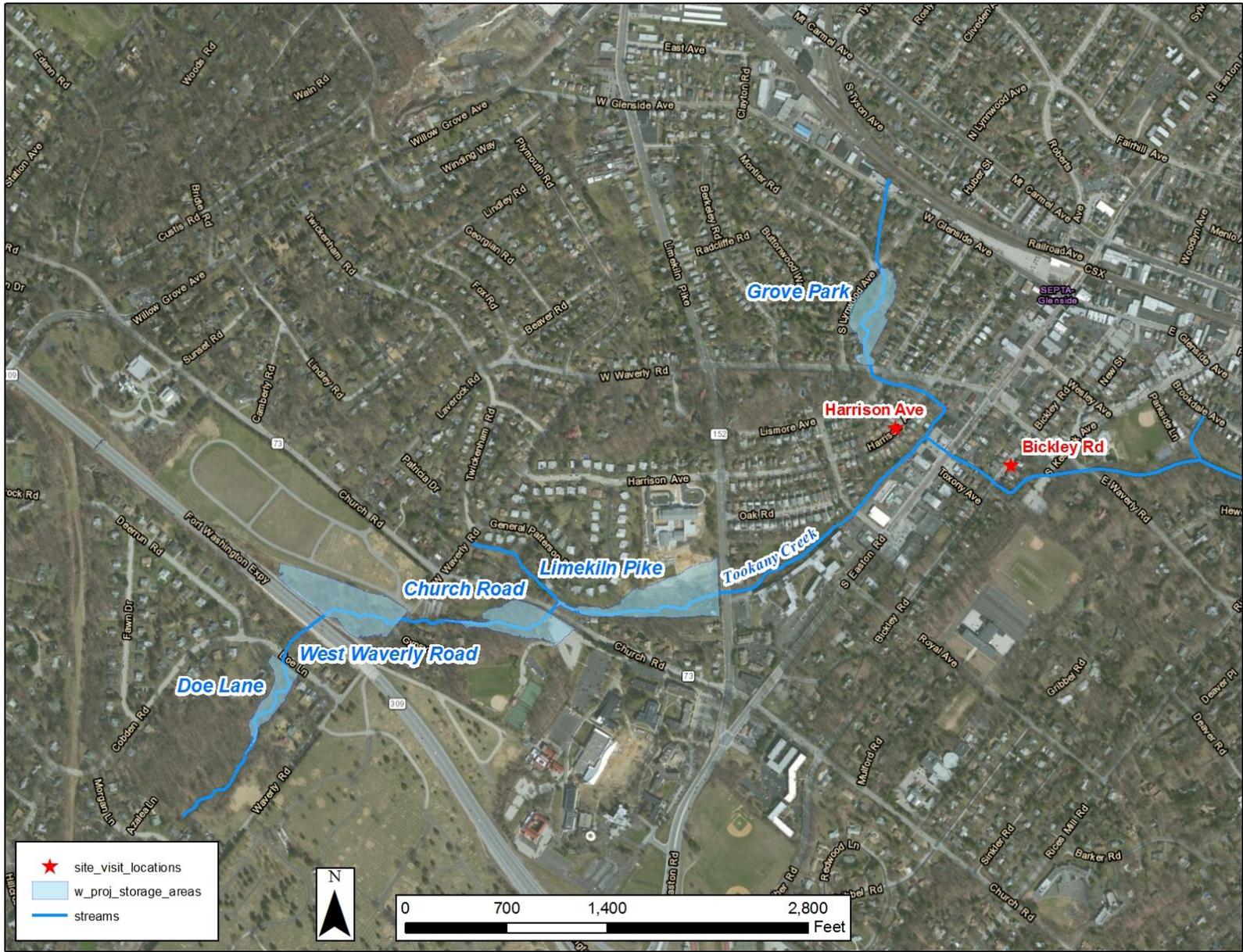


With Project Analysis

- Summary of Draft Alternative Costs and Benefits

| Alternative | Total Cost | Annual Net Benefits | BCR |
|---|----------------|---------------------|------|
| Alternative 1: No Action Plan | | | |
| Alternative 2: The Upper Tookany Creek Plan | | | |
| a. 5-basin plan | \$3,678,061.04 | \$43,000 | 1.29 |
| b. 3-basin plan | \$1,870,326.39 | -\$31,000 | 0.58 |
| Alternative 3: The Baederwood Creek Plan | | | |
| a. 3-basin plan | \$1,972,232.10 | -\$35,000 | 0.55 |
| b. 1-basin plan (Highland West) | \$733,412.54 | -\$19,000 | 0.30 |
| Alternative 4: The Comprehensive Plan | | | |
| a. 9-basin plan | \$6,480,897.71 | \$74,000 | 1.29 |
| b. 5-basin plan | \$3,434,343.51 | -\$40,000 | 0.70 |
| Alternative 5: The Rock Creek Plan | \$830,604.58 | -\$3,000 | 0.90 |

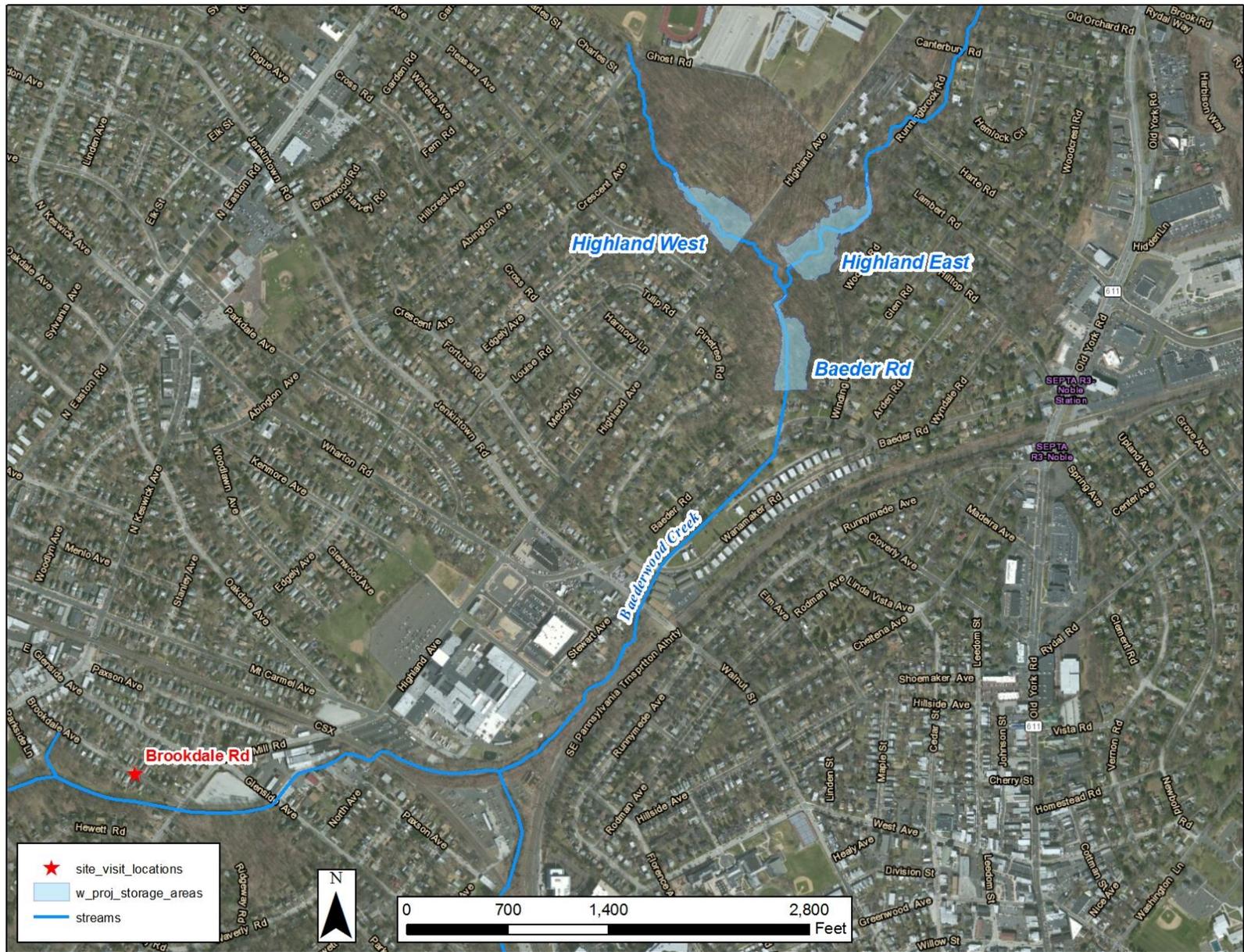




Upper Tookany Creek Dry Detention Basins
ESRI World Imagery

Figure 1

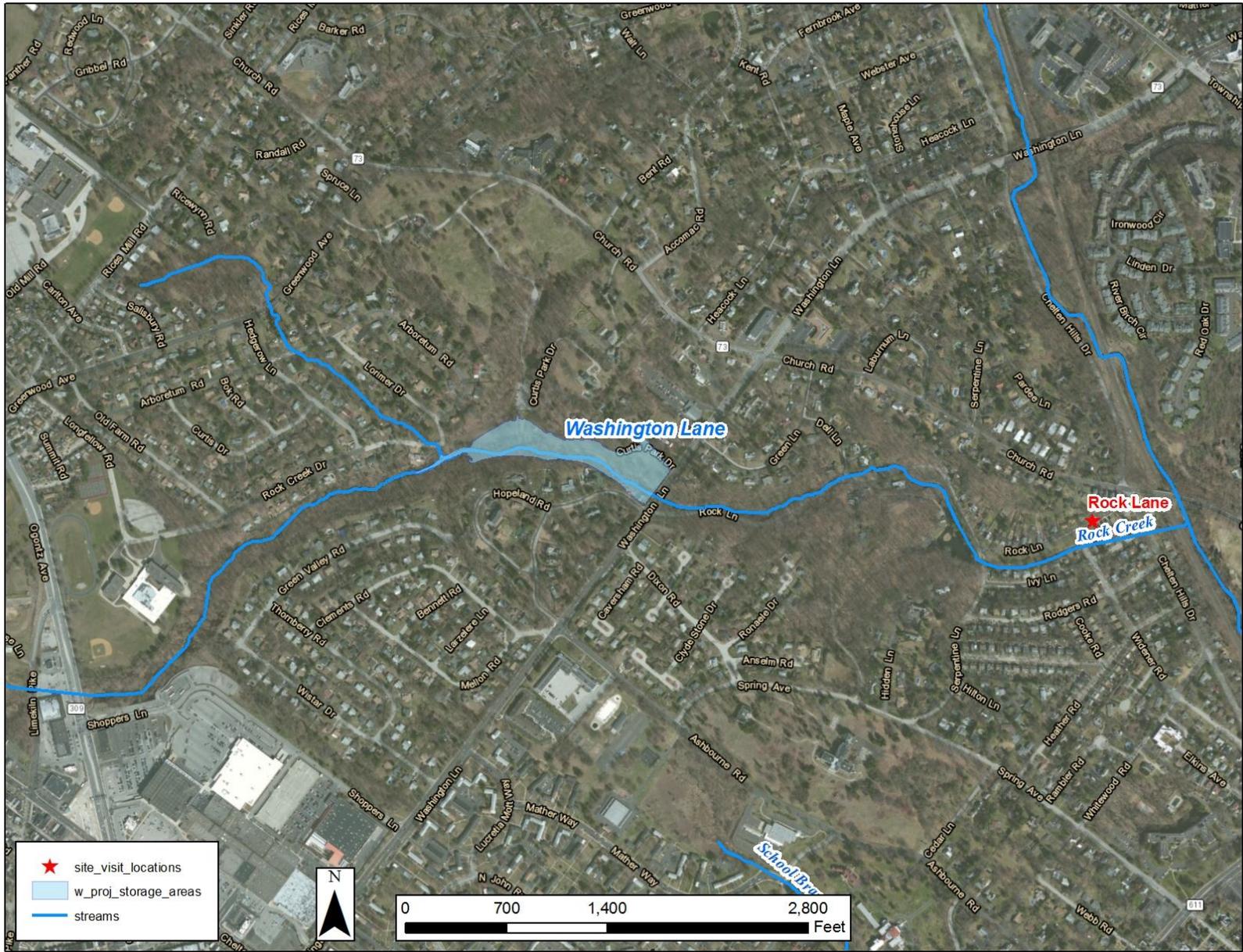
November 2014



Baederwood Creek Dry Detention Basins
ESRI World Imagery

Figure 2

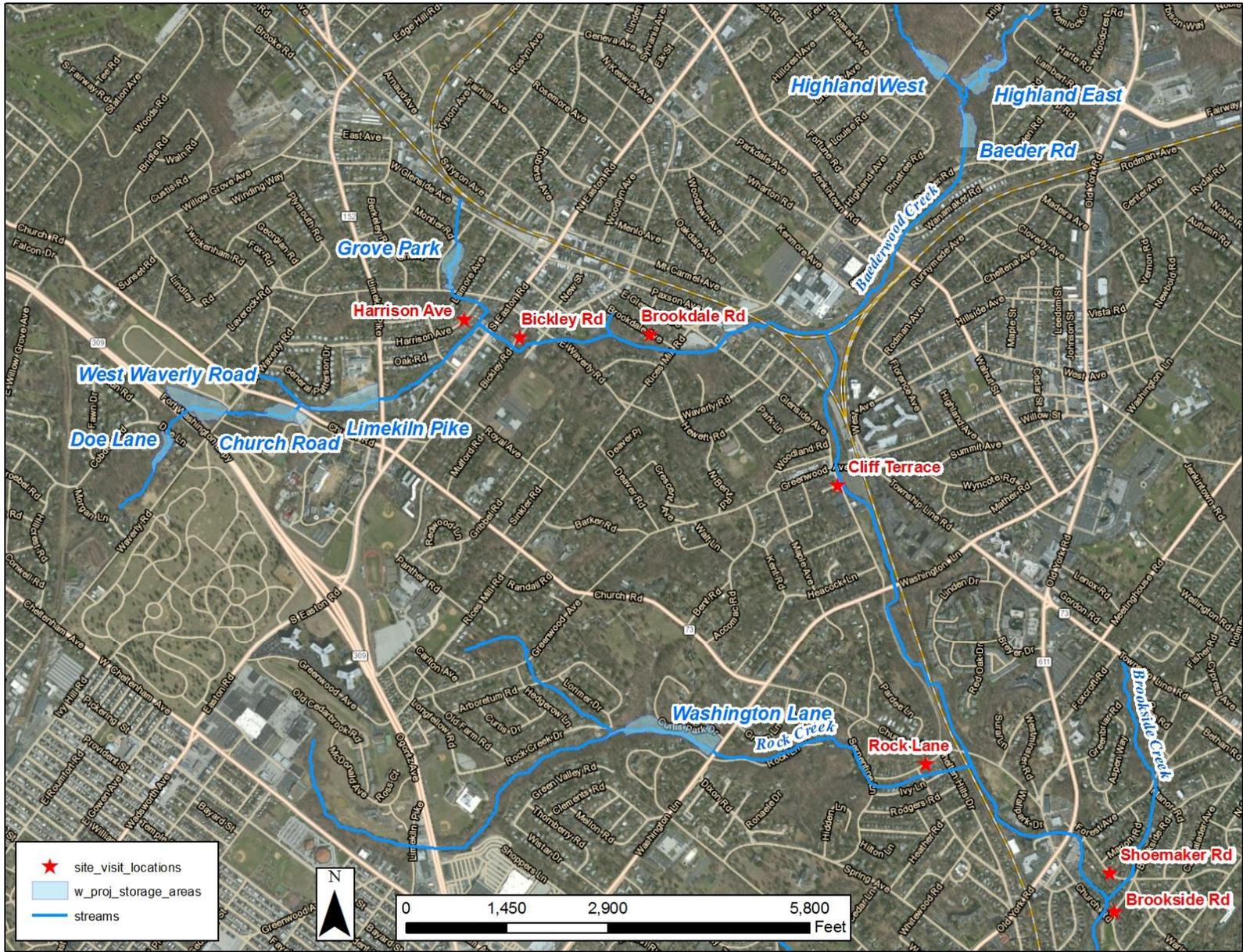
April 2015



Rock Creek Dry Detention Basin
ESRI World Imagery

Figure 3

November 2014

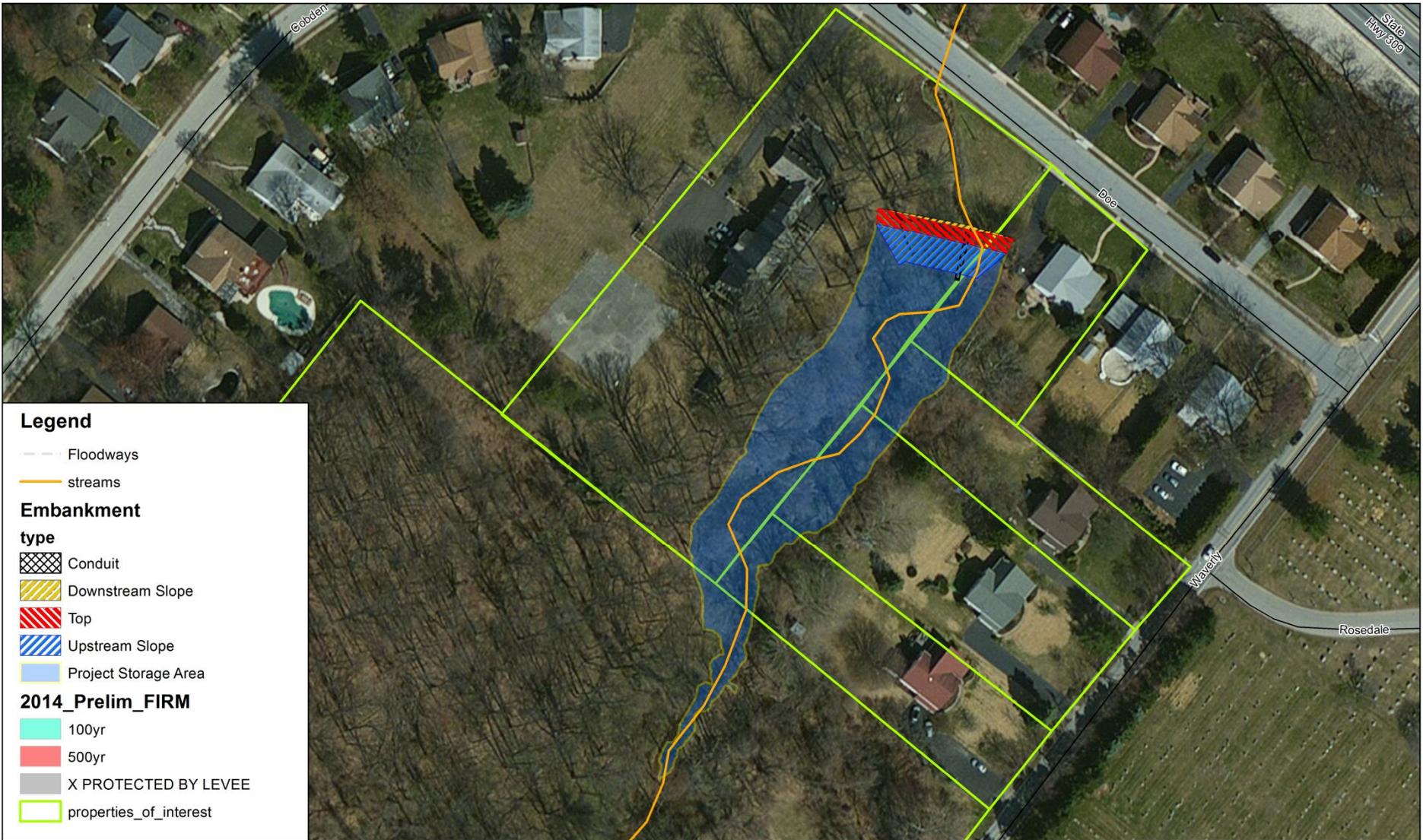


Comprehensive Dry Detention Basins
ESRI World Imagery

Figure 4

November 2014

DOE LANE DETENTION BASIN

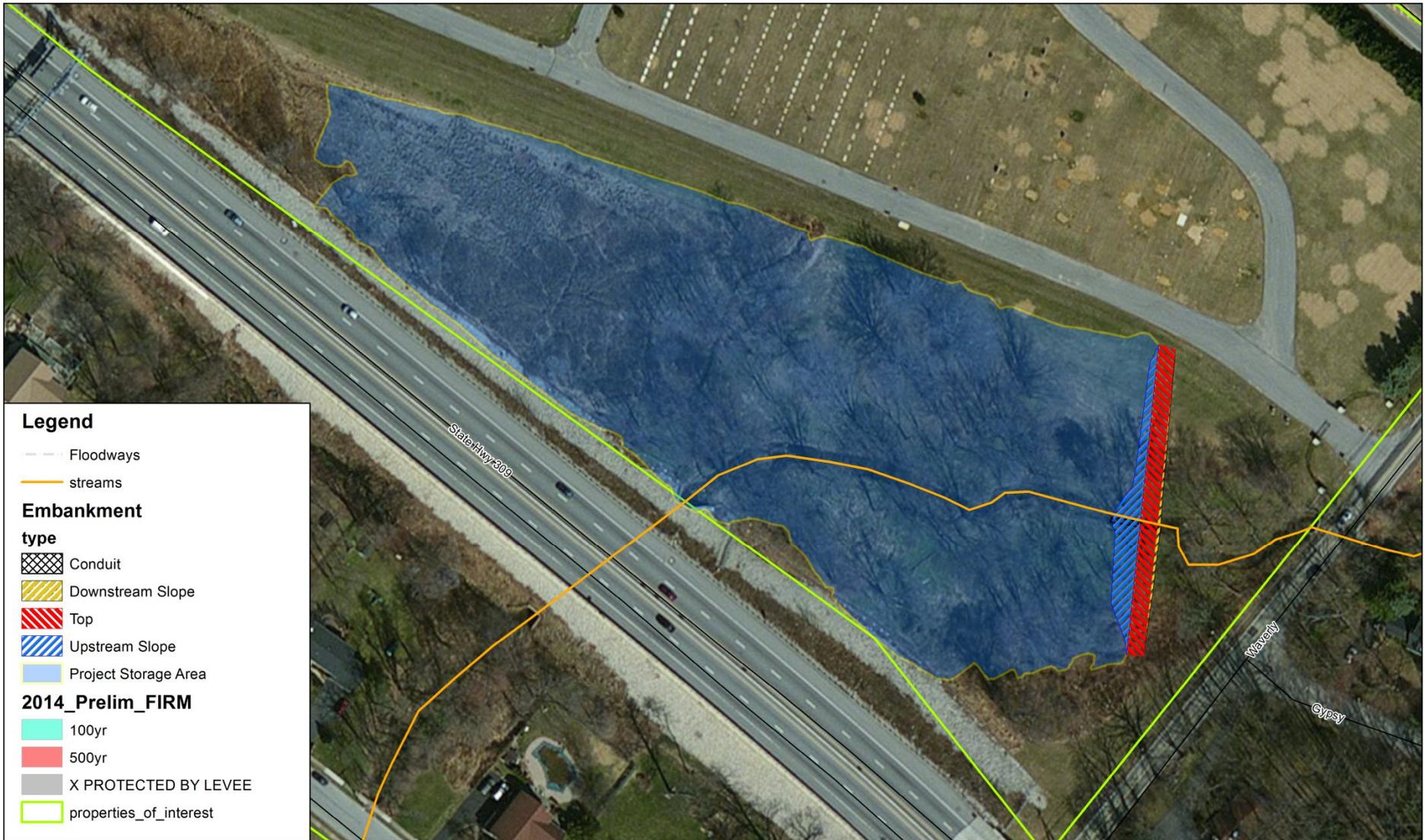


Doe Lane Dry Detention Basin
ESRI World Imagery

Figure 5

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WEST WAVERLY ROAD DETENTION BASIN



West Waverly Road Dry Detention Basin
ESRI World Imagery

Figure 6

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GROVE PARK DETENTION BASIN

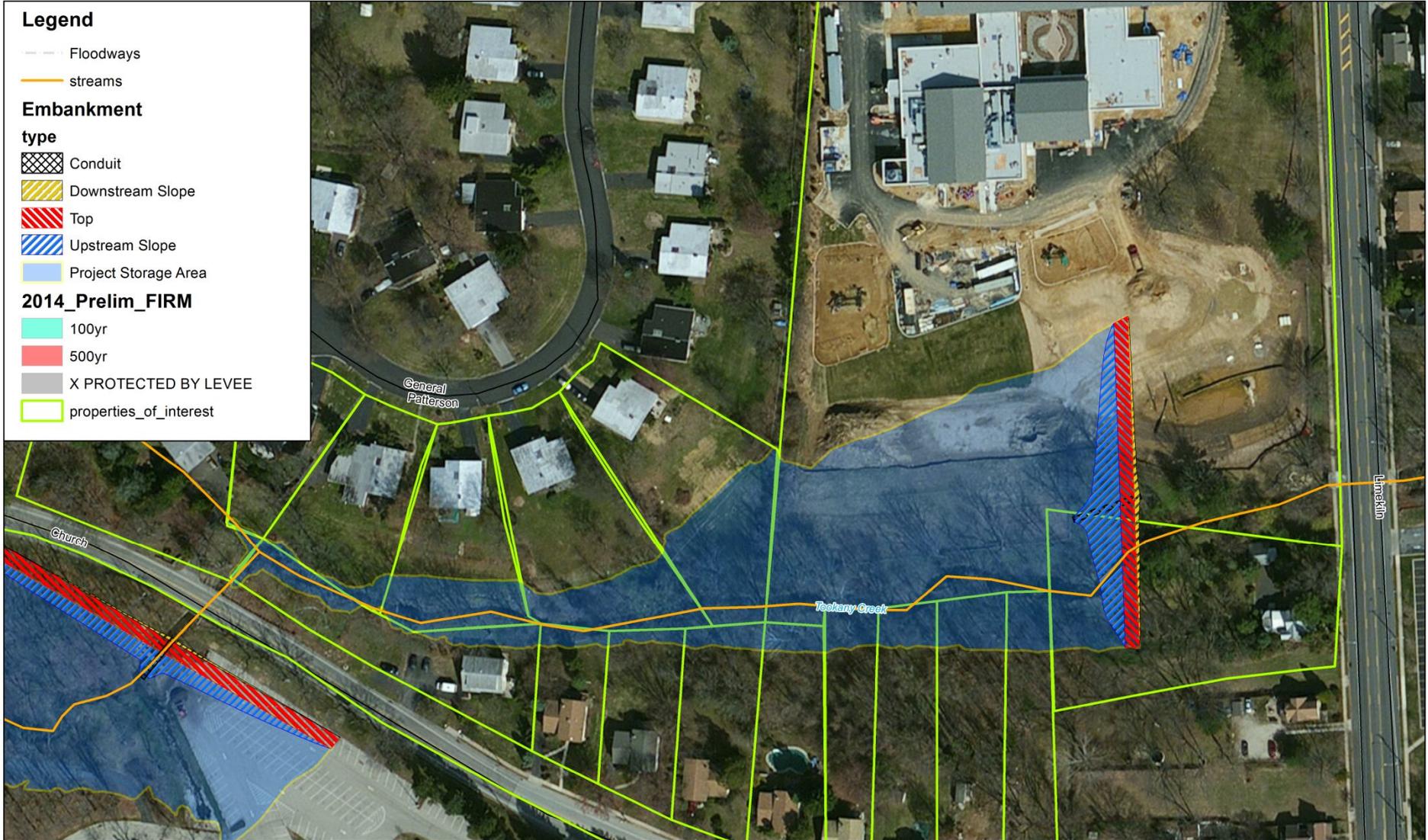


Grove Park Dry Detention Basin
ESRI World Imagery

Figure 7

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LIMEKILN PIKE DETENTION BASIN



Limekiln Pike Detention Basin
ESRI World Imagery

Figure 8

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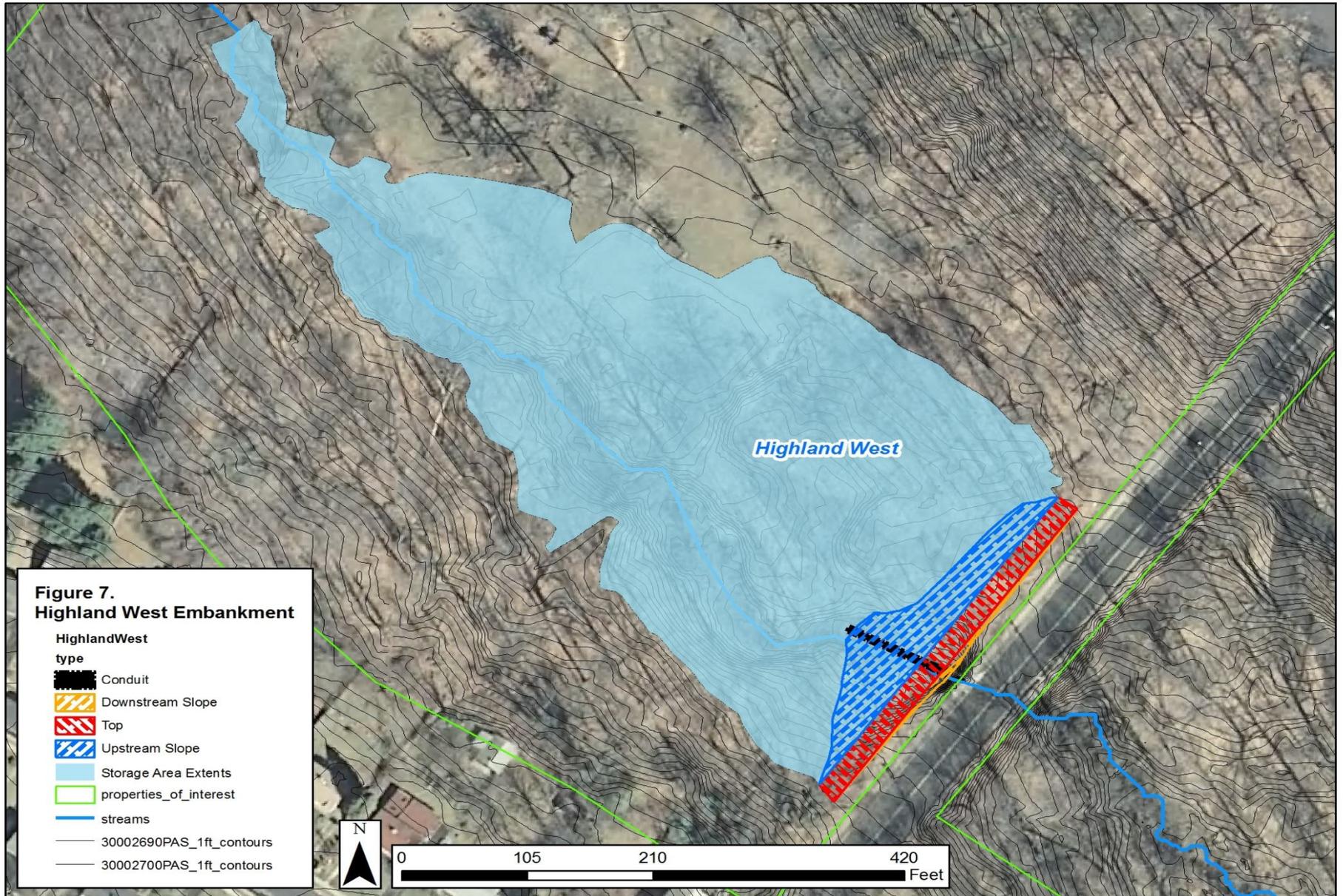
CHURCH ROAD DETENTION BASIN



Church Road Dry Detention Basin
ESRI World Imagery

Figure 9

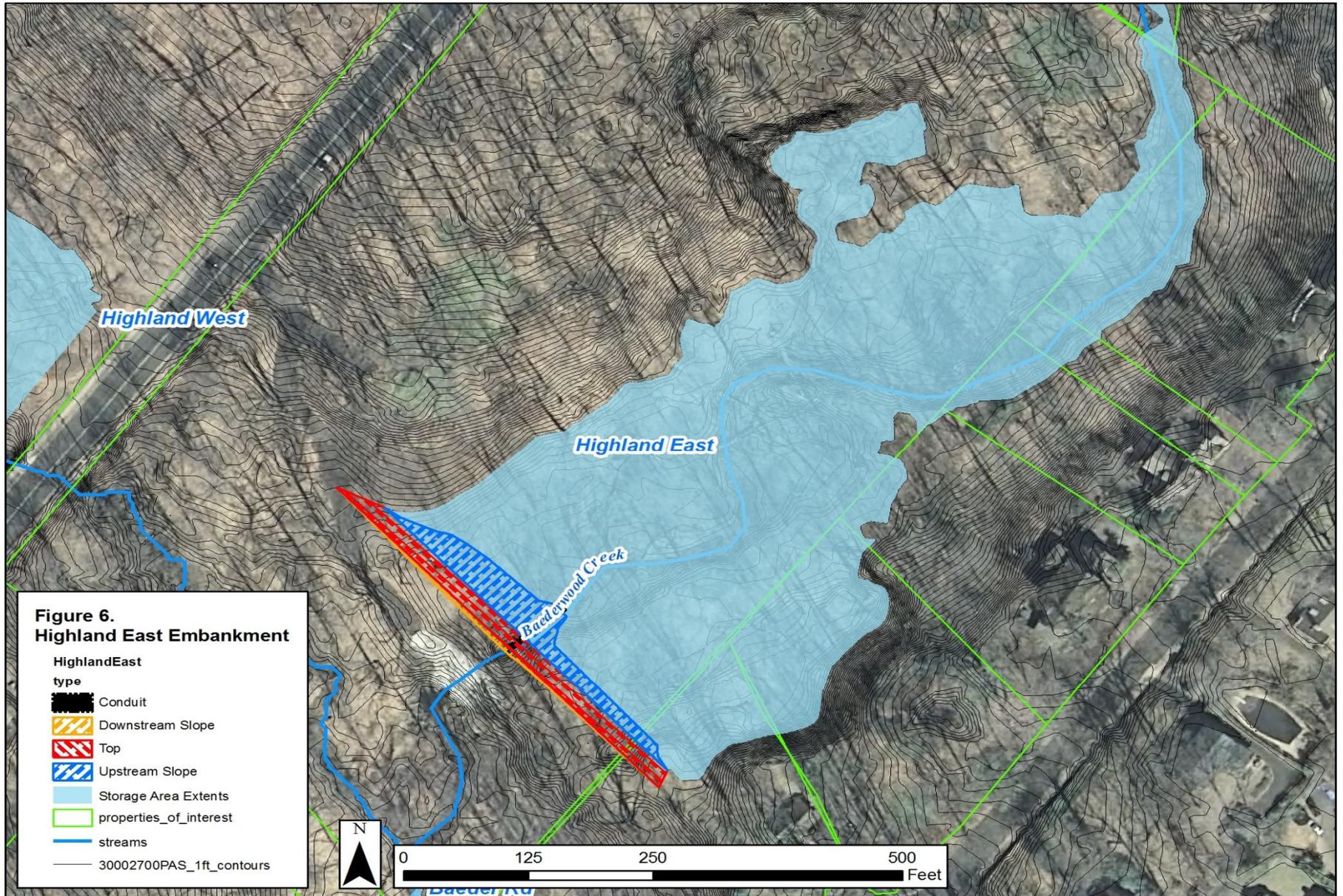
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Highland West Dry Detention Basin
ESRI World Imagery

Figure 10

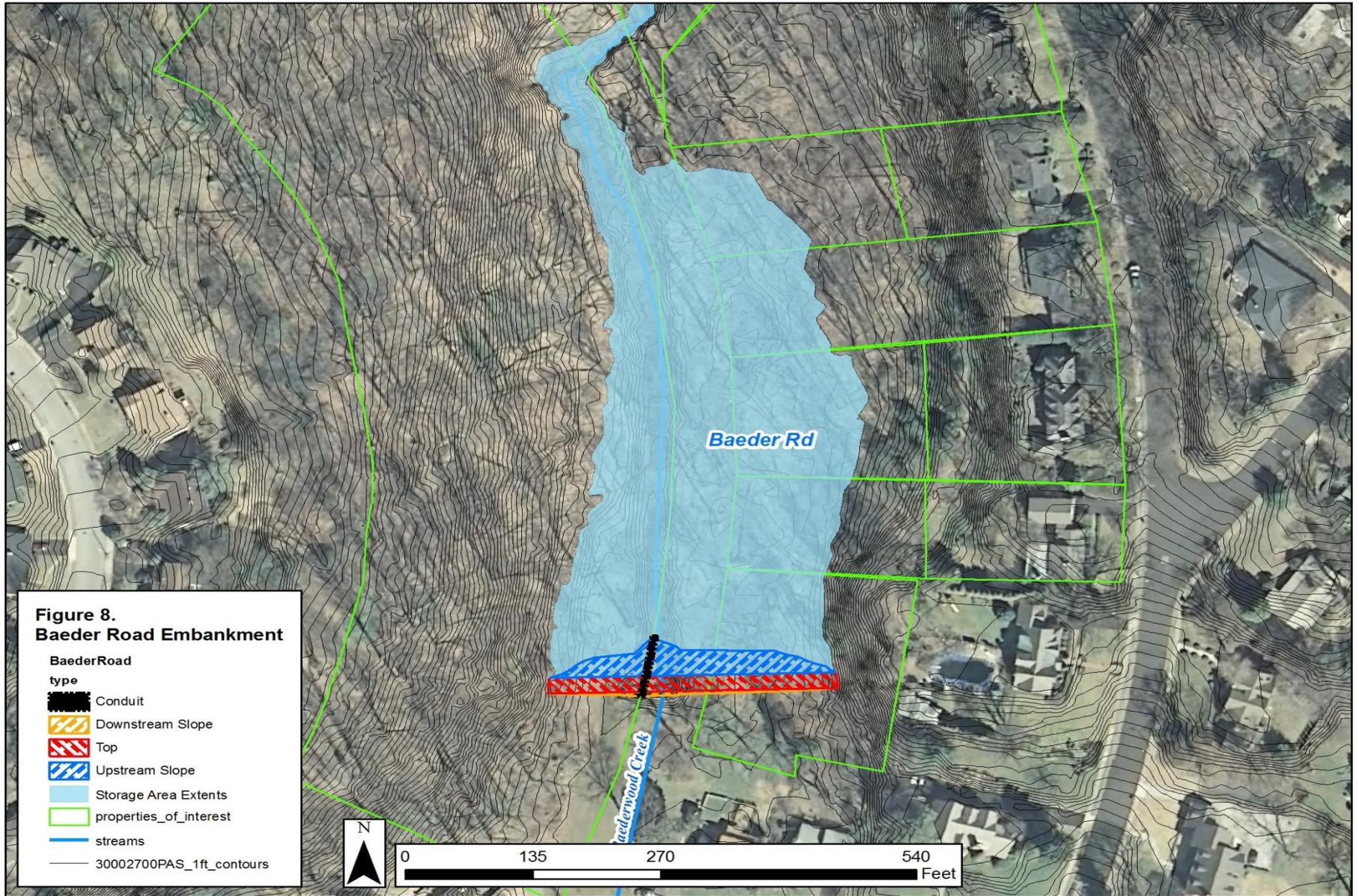
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Highland East Dry Detention Basin
ESRI World Imagery

Figure 11

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Baeder Road Dry Detention Basin
ESRI World Imagery

Figure 12

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WASHINGTON LANE DETENTION BASIN



Washington Lane Dry Detention Basin
ESRI World Imagery

Figure 13

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Path Forward

- Public Release of Draft Report: Mid-May 2015
- Feasibility Report Finalization: End of June 2015
- Project Design: July 2015 to July 2016
- Permit Acquisition: July 2016 to January 2017
- Begin Construction: February 2017

*This is a draft schedule that assumes optimal funding will be received for this project