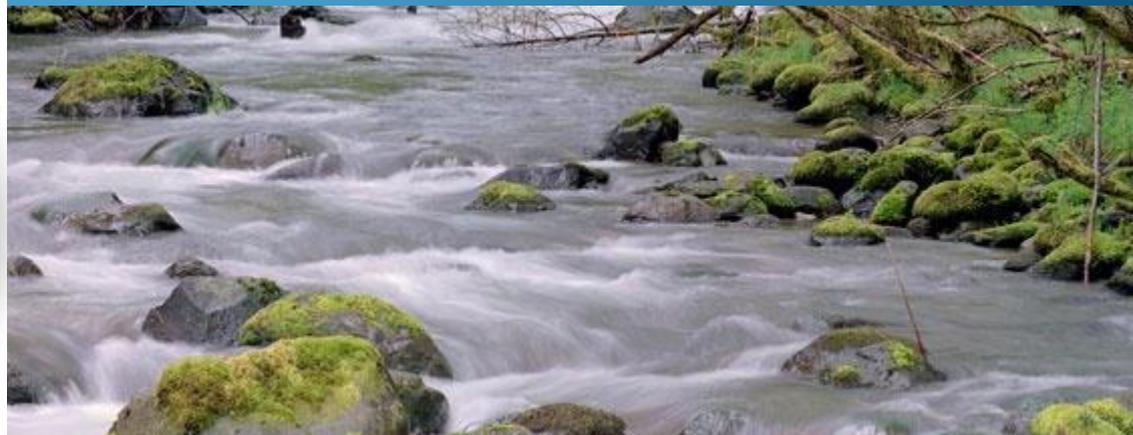
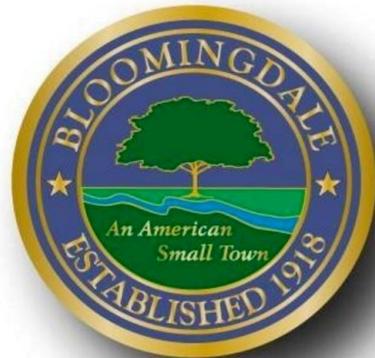


Borough of Bloomingdale DRAFT FINDINGS LETTER OF MAP REVISION

Nicholas Agnoli, P.E., P.P.
Agnoli Engineering, LLC
February 28, 2017



Where Are We?

- Review Original FEMA Model: Complete
- Verify Hydrology: Complete
- Perform Field Inspections: In Process
- Develop Draft Model: Complete
- Map Draft Findings: In Process (awaiting survey)
- Perform Field Survey: In Process (as above)
- Finalize Model
- Submit for Peer Review (Cleighton Smith)
- Submit a LOMR to FEMA and NJDEP:

What is a LOMR?

- A Letter of Map Revision (LOMR) is FEMA's modification to an effective Flood Insurance Rate Map (FIRM)
- The LOMR officially revises the Flood Insurance Rate Map (FIRM) and the Flood Insurance Study (FIS) report
- Once initiated, FEMA will process a request to revise the flood hazard maps.
- LOMRs are primarily intended for small areas of change and areas where flood hazards are typically decreasing.

What is a LOMR?

- LOMR reviews take up to 90 days to process, are subject to a 90 day appeal period, and usually become effective within six months after they are issued.
- However, those affected by the map change can sign off as accepting the new maps. They will be contacted as part of the approval process. If this happens, there is no appeal process and the maps become effective.
- Once effective, individual owners outside of the new Special Flood Hazard Area **will no longer be required by the National Flood Insurance Reform Act to carry flood insurance.**

So it Goes Smoothly?

- No, we learned from Oakwood Lake Brook.
- Insurance companies may want to see what is called a Letter of Map Amendment:
 - They cost about \$500 from an engineering firm.
 - Hate that? You can do them yourself at:
 - <https://hazards.fema.gov/femaportal/onlinelomc/signin>
 - But I need a filed deed!
 - <http://records.passaiccountynj.org/press/indexPassaic.aspx>
 - I still need help!
 - Call or email me! I love attention.

What does Agnoli Engineering Need

- Your photos of Irene and your descriptions of what happened to your property.
- Please email me at agnoli@agnoligroup.com with
 - Address
 - How long at that address
 - Contact information
 - Your memory of Irene and any prior flood events
 - Your images (no selfies!)
- Please grab a handout from me if you do not have email (or prefer paper, like me)

Our Findings

Hydrologic Analysis Comparison Summary

Van Dam Brook and Tributary LOMR

Bloomington, NJ

	FEMA Preliminary FIS dated 1/9/2015 ¹			StreamStats ²			Updated Hydrology ³		
	Drainage Area (Sq mi)	Event	Peak Discharges (cfs)	Drainage Area (Sq mi)	Event	Peak Discharges (cfs)	Drainage Area (Sq mi)	Event	Peak Discharges (cfs)
Van Dam Brook									
At its confluence with the Pequannock River	0.7	10%	215	0.73	10%	162	0.7	10%	192
		2%	359		2%	266		2%	336
		1%	446		1%	317		1%	410
		0.20%	656		0.20%	449		0.20%	608
At the confluence of Tributary to Van Dam Brook	0.36	10%	139	0.35	10%	101	0.36	10%	132
		2%	235		2%	171		2%	233
		1%	294		1%	206		1%	285
		0.20%	438		0.20%	297		0.20%	425
Tributary to Van Dam									
At its confluence with Van Dam Brook	0.27	10%	82	0.28	10%	102	0.26	10%	62
		2%	141		2%	168		2%	107
		1%	177		1%	201		1%	130
		0.20%	267		0.20%	283		0.20%	192

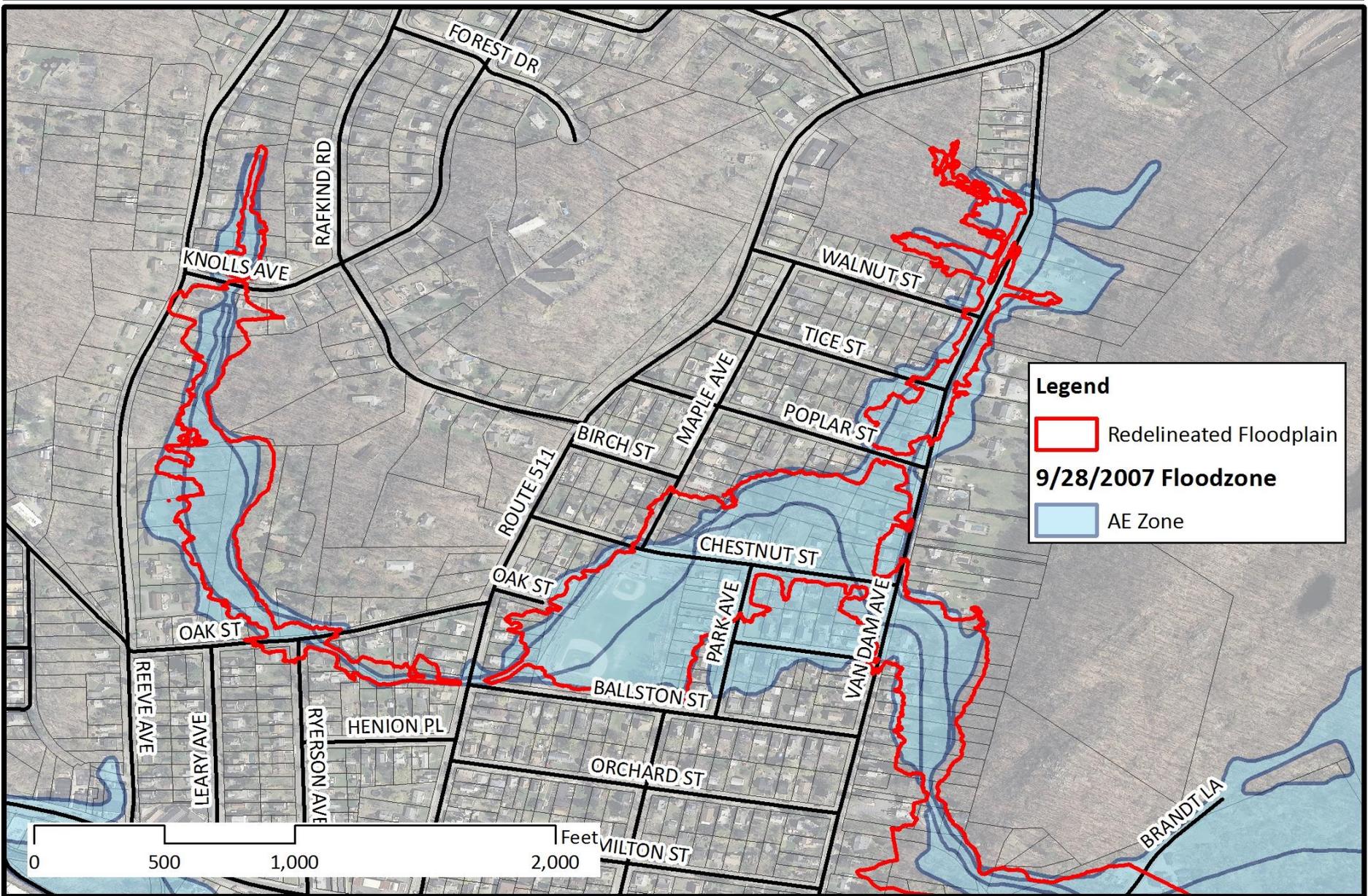
¹Per FIS, flows were developed using Special Report 38: Magnitude and Frequency of Floods in New Jersey with Effects of Urbanization.

This analysis was carried over from the Effective FIS for Passaic County, NJ, dated September 28, 2007.

²StreamStats calculates flow using USGS SIR2009-5167 Methodology for Estimation of Flood Magnitude and Frequency for New Jersey Streams

³Updated hydrology calculated using USGS SIR2009-5167 Methodology with LiDAR survey. Parameters derived using ArcGIS.

Van Dam Letter of Map Revision



Thank You!

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