



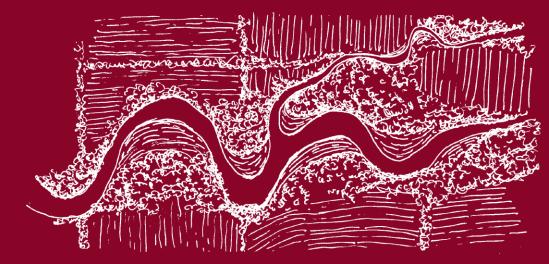
## MAYFAIR RESERVOIR EXPANSION PARTNERSHIP IN PRACTICE

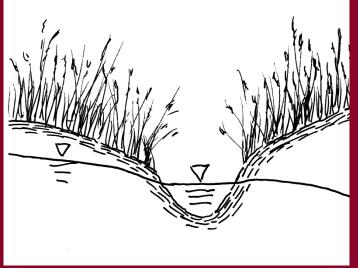
**IAFSM 2016** 



#### Presented By:

#### Robert Lewis, PE Director of Public Works Village of Westchester





Greg Wolterstorff, PE Director of Natural Resources V3 Companies

# Outline of Topics

- I. Village of Westchester Flood Impacts
- 2. Partnership In Practice
- 3. Phase I Mayfair Reservoir Expansion
- 4. Phase II Mayfair Reservoir Expansion







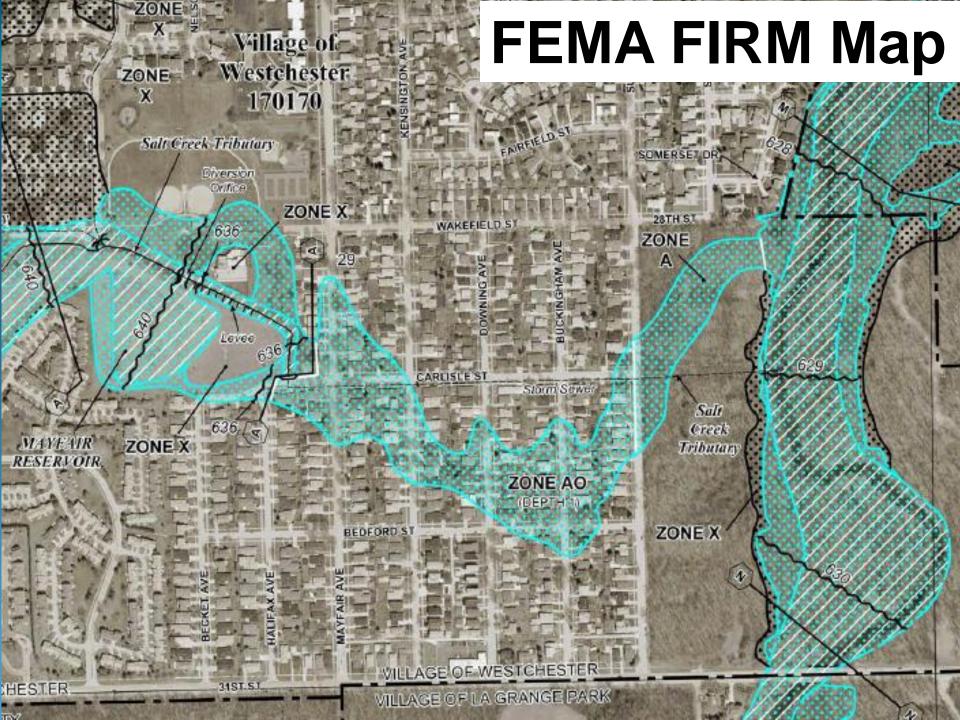
# **Existing Conditions**



Imagery Date: 4/2/2013 41°50'20.11" N 87°53'45.67" W elev 636 ft eye alt 3910 ft

# July 2010 and April 2013 Floods

- Mayfair Reservoir reached its capacity
- Salt Creek South Fork Tributary overtopped Carlisle St.
- Severe street flooding
- Overflows through backyards
- Floods damaged basements of over 120 homes and first floors of over 30 homes in each of the storm events.











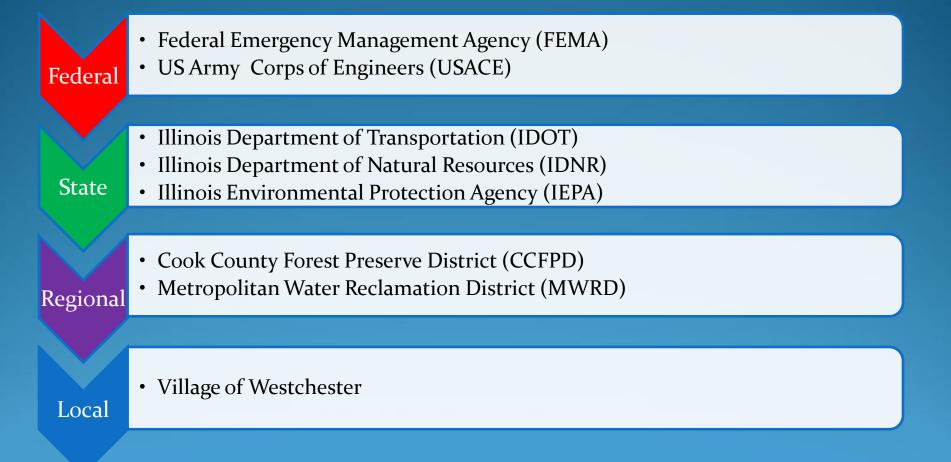
Halifax Ave. and Carlisle St., looking south





Mayfair Ave., looking south towards Carlisle St.

#### Partnerships in Practice – Public Agencies



#### Partnership in Practice - Private

> V3 Companies (Engineering)
> Dudnik & Associates (Building Inspections)
> Copenhaver Construction (Excavation)
> Berger Excavating (Storm Sewer)
> Chicago Highlands Golf Course (Takes Fill)
> Chicago Archdioceses (Allows Fill)
> Businesses & Residents (Use Infrastructure)

## Purpose

## > Function

- <u>Permits:</u> IDOT, IDNR, IEPA, CCFP, FEMA > *Permission*
- <u>Funding:</u> MWRD & Westchester
- <u>Construction</u>: Copenhaver, Berger, Archdioceses, Chicago Highlands Golf Course > *Enabling Use*
- Design/Inspection: V3 & Dudnik
- <u>Use:</u> Business & Residents

>How To >Benefits

> Vision/Mission





Challenges:

4. Soger Bortoon Dolage To Veligh of Delay's Vale inter Hauling



August 18, 2015 Following 4.5" rain event in 24 hours.

August 26, 2015 Basin Recovery



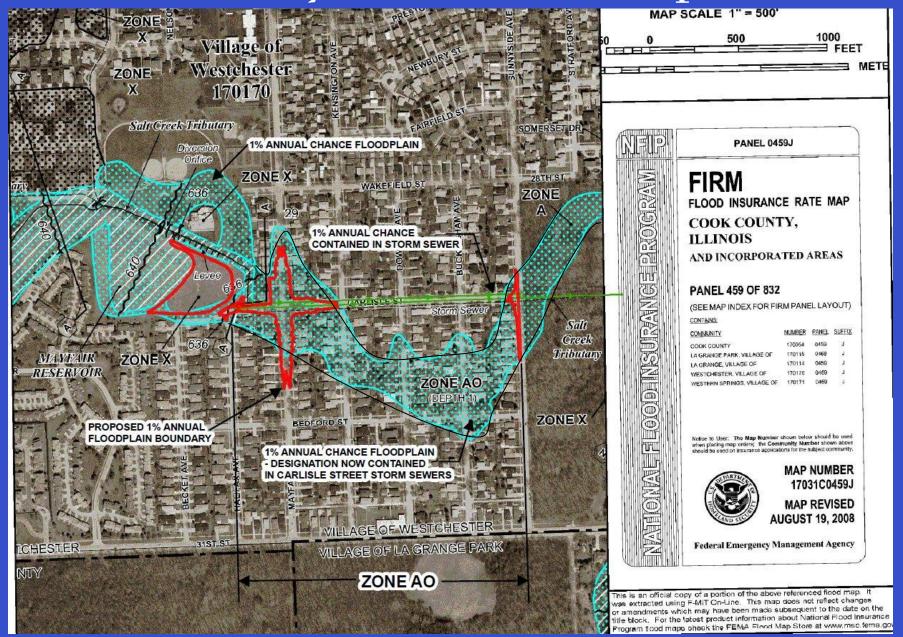


1. Menateuriein Esoieriality frank Resildente Shut Down



S. Winiter Connections









# **QUESTIONS?**



