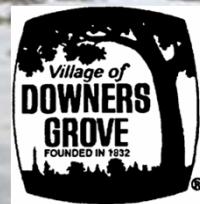
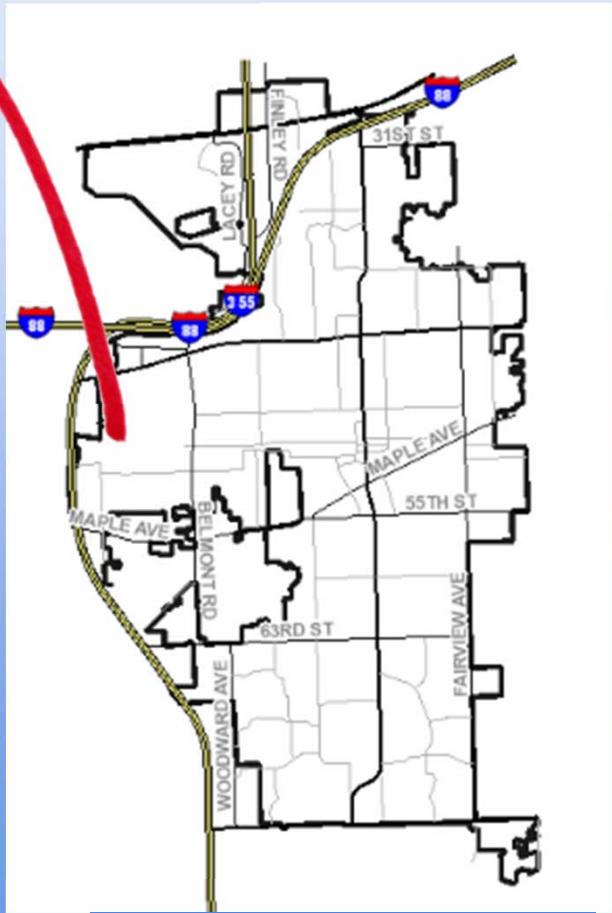


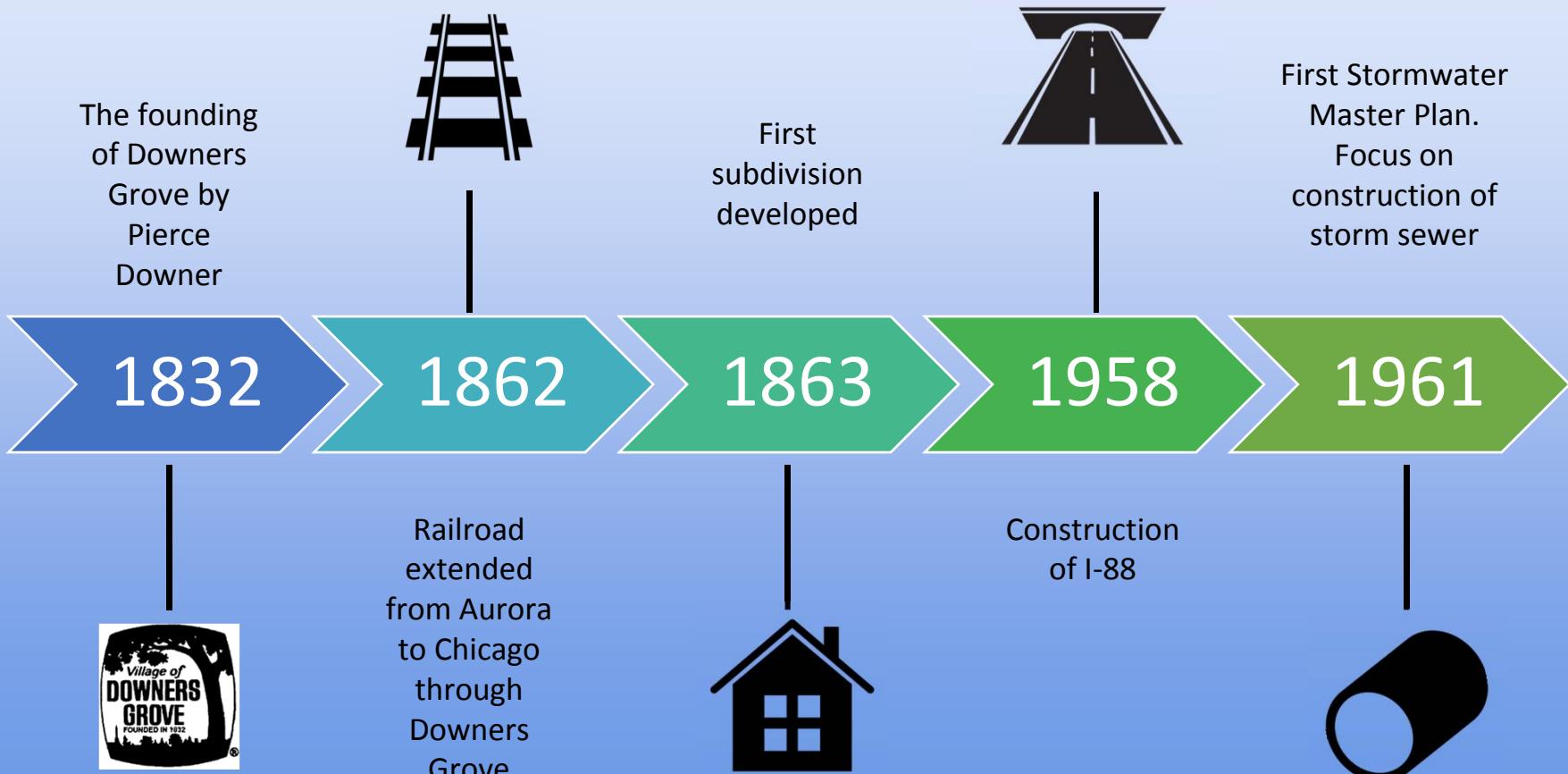


# Urban Redevelopment in Flood Prone Areas



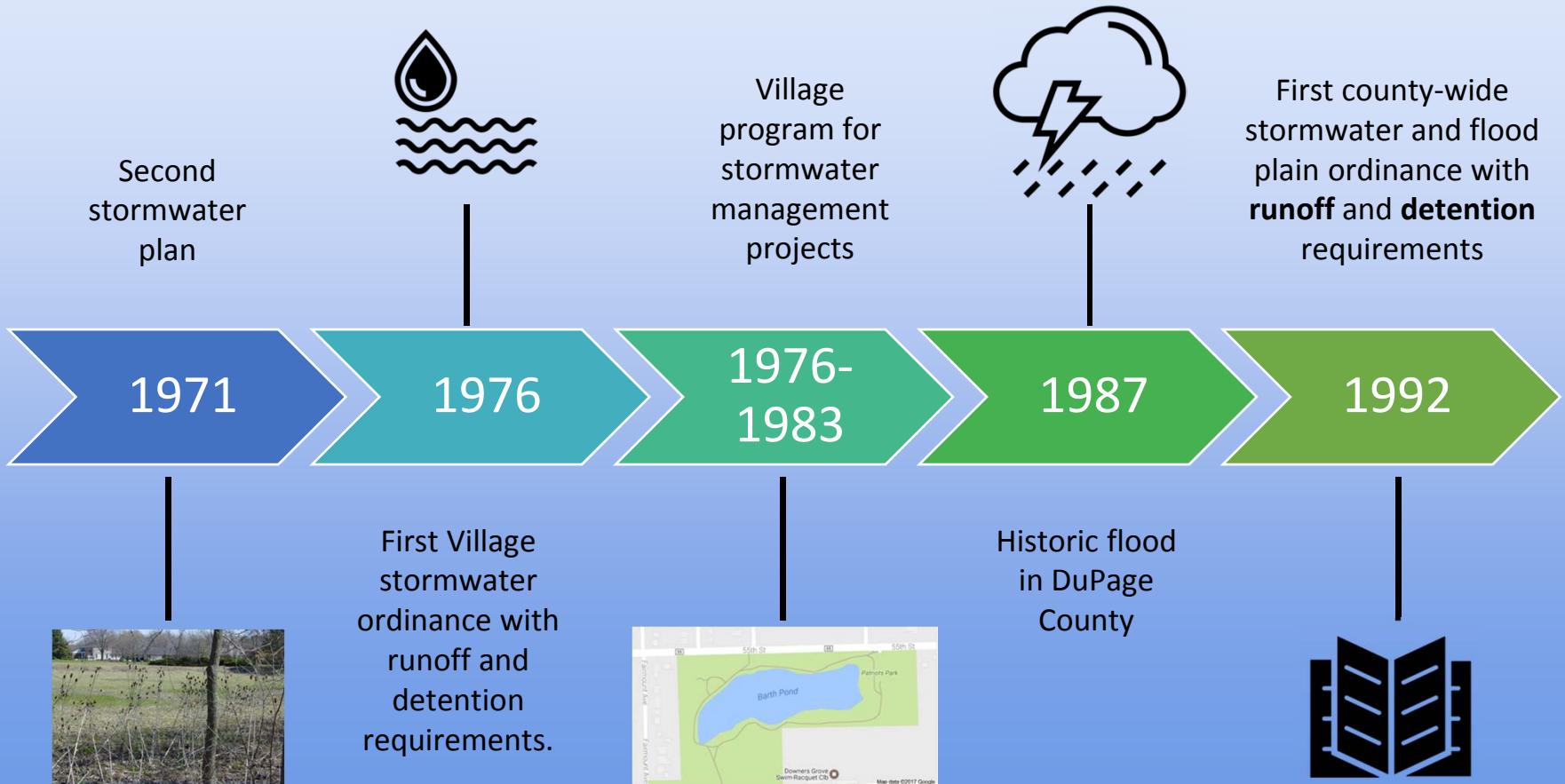


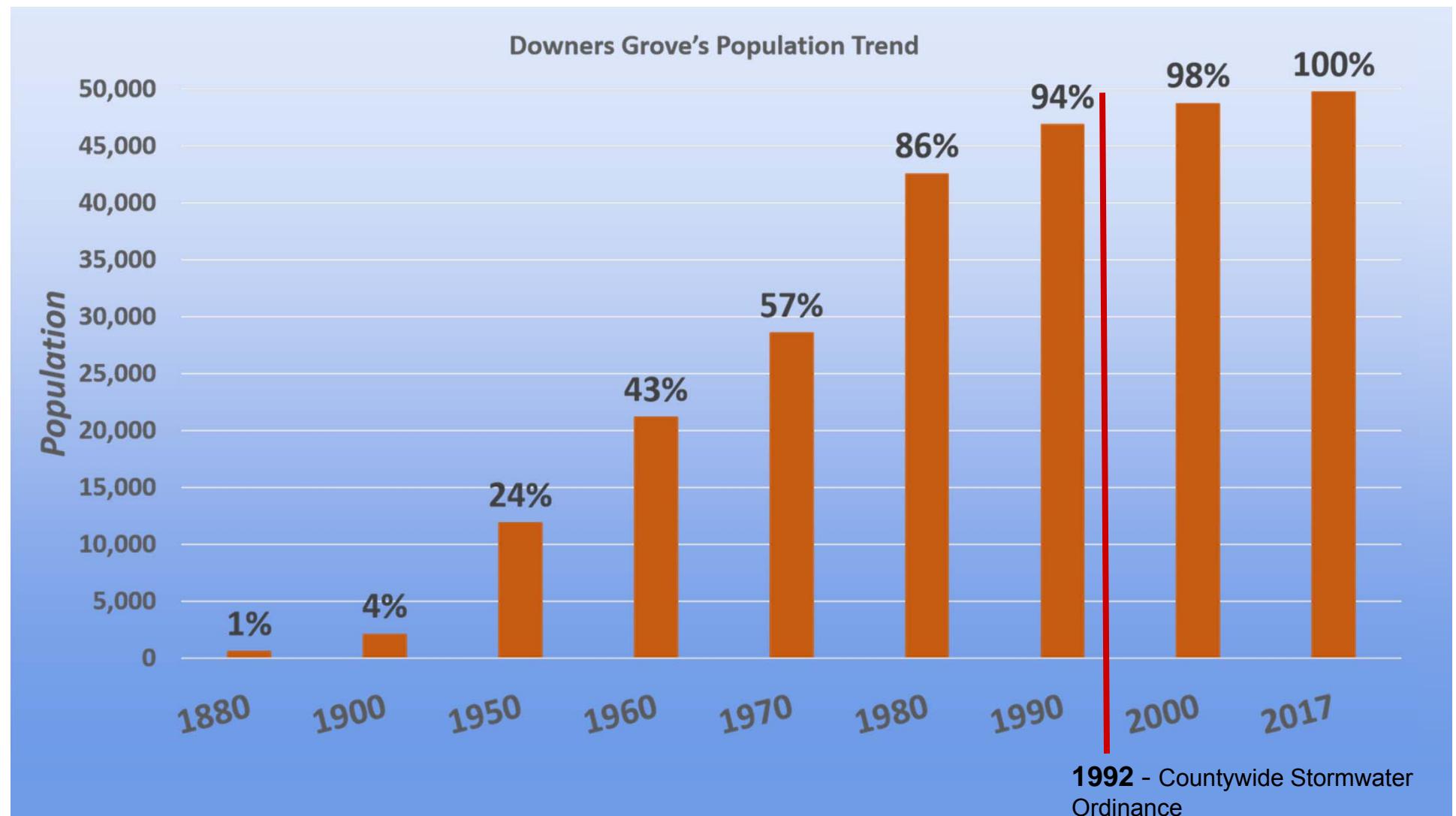
Village of Downers Grove

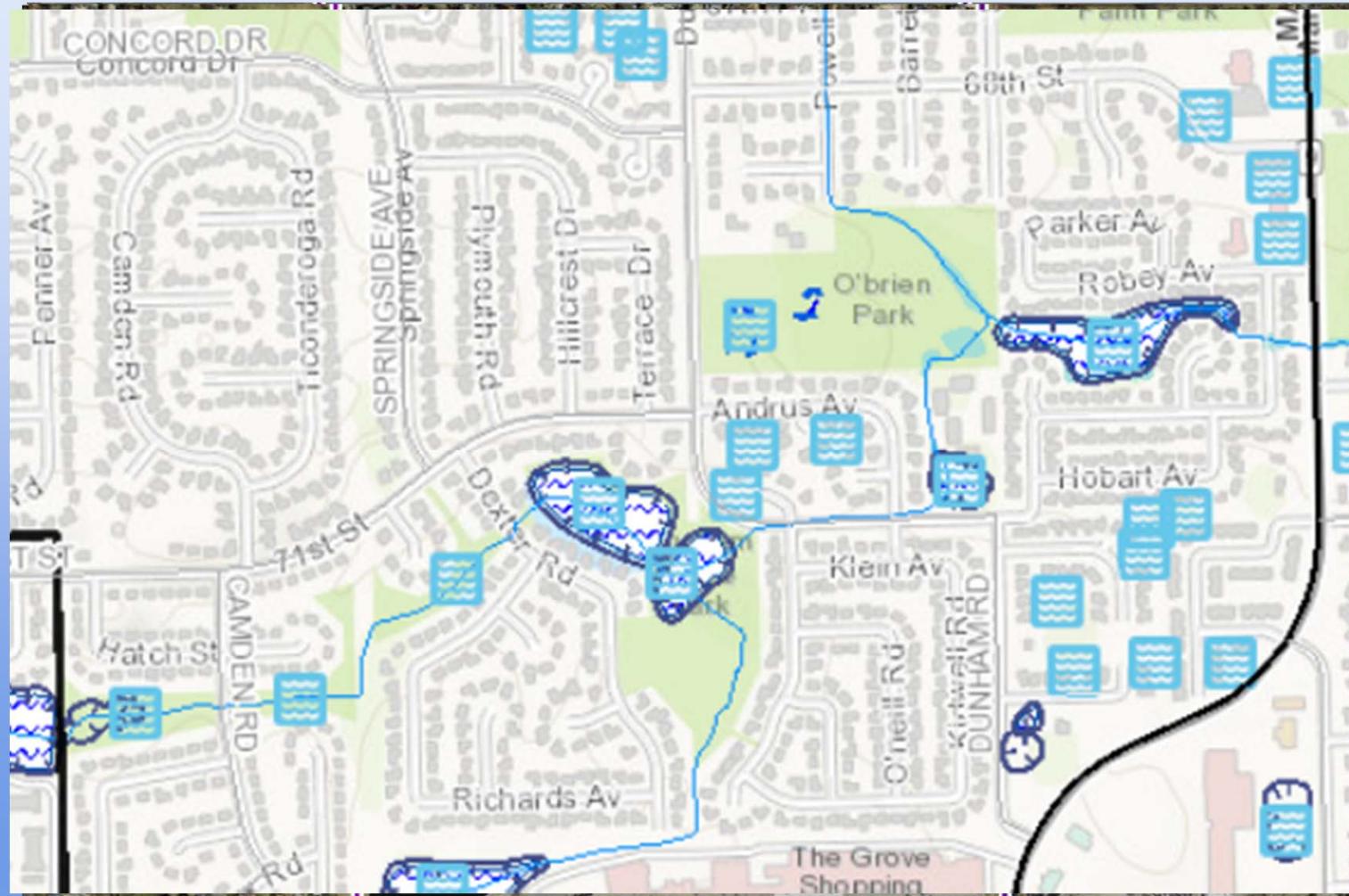




1956 Aerial Image

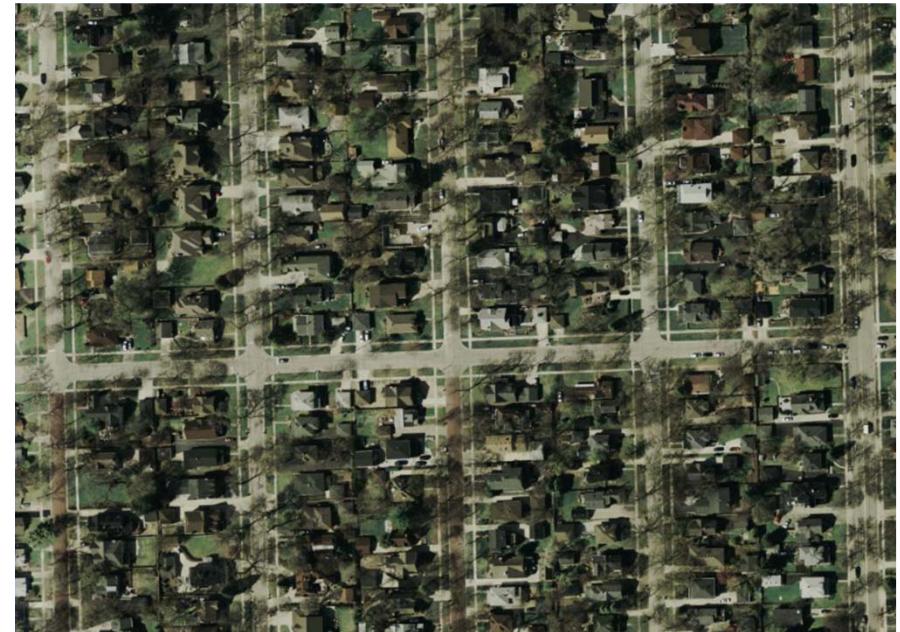




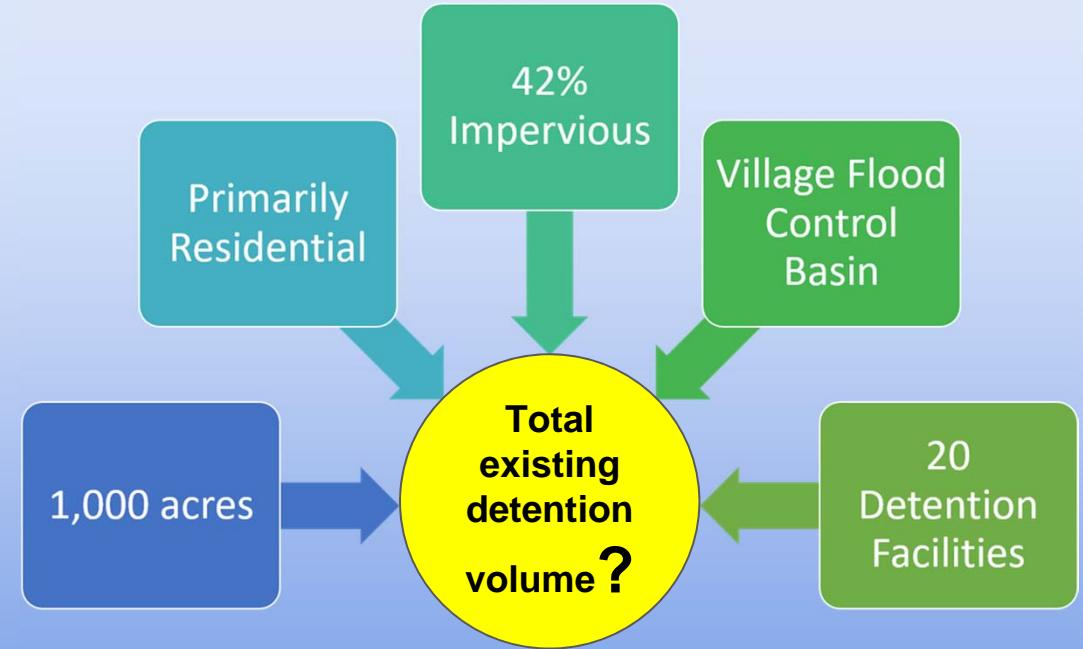
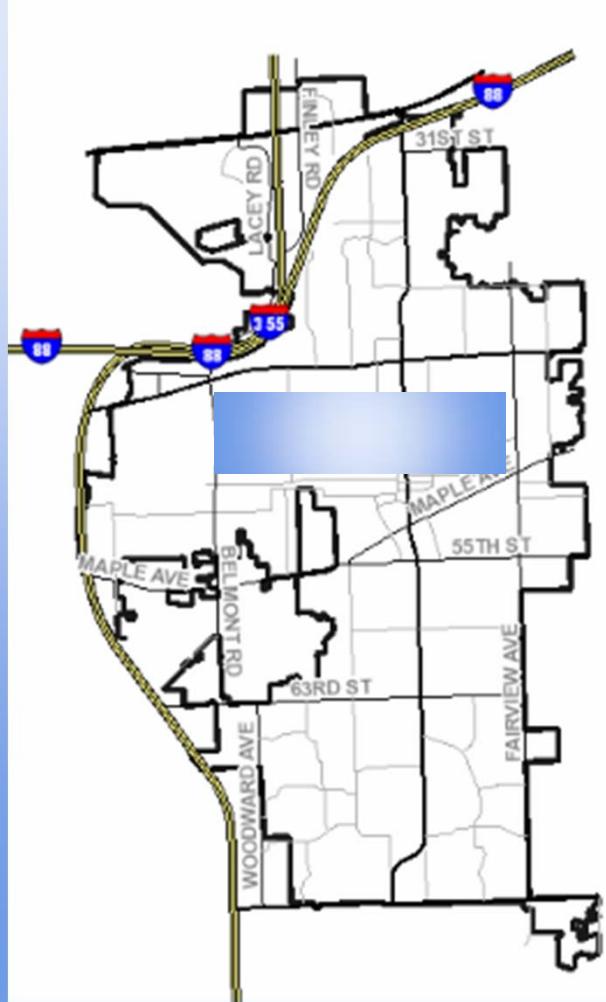




1956 Aerial Image

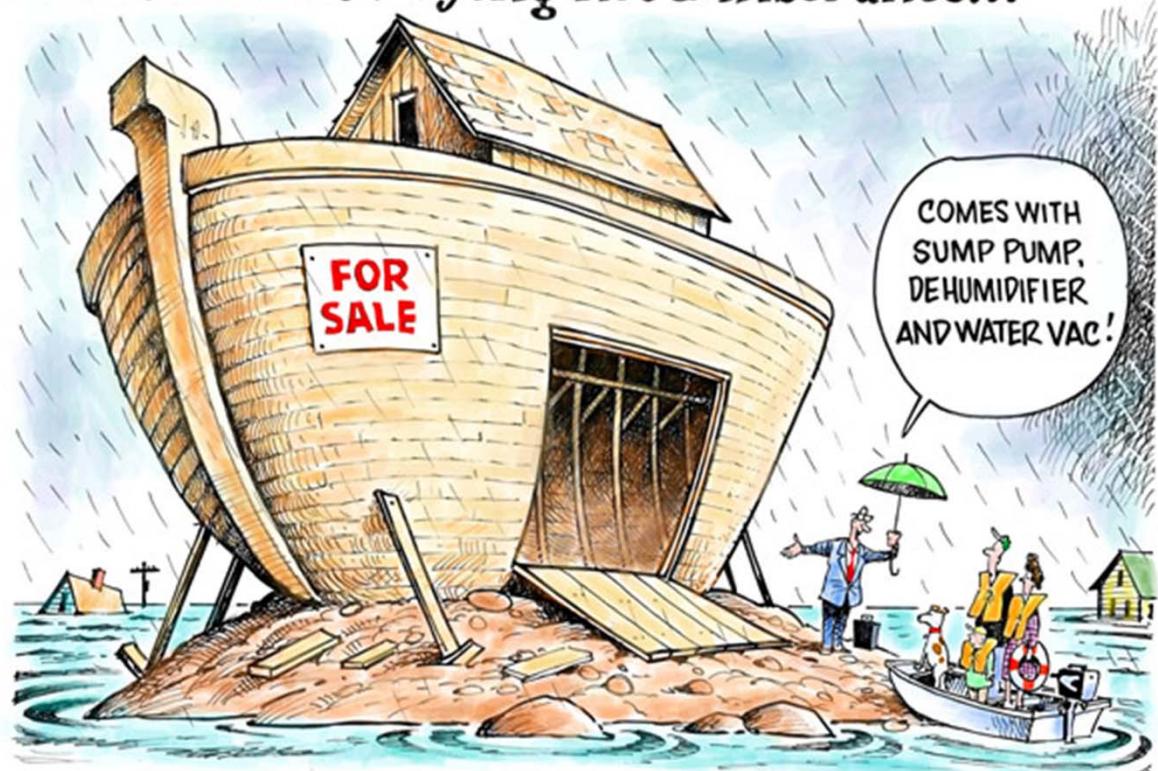


2014 Aerial Image



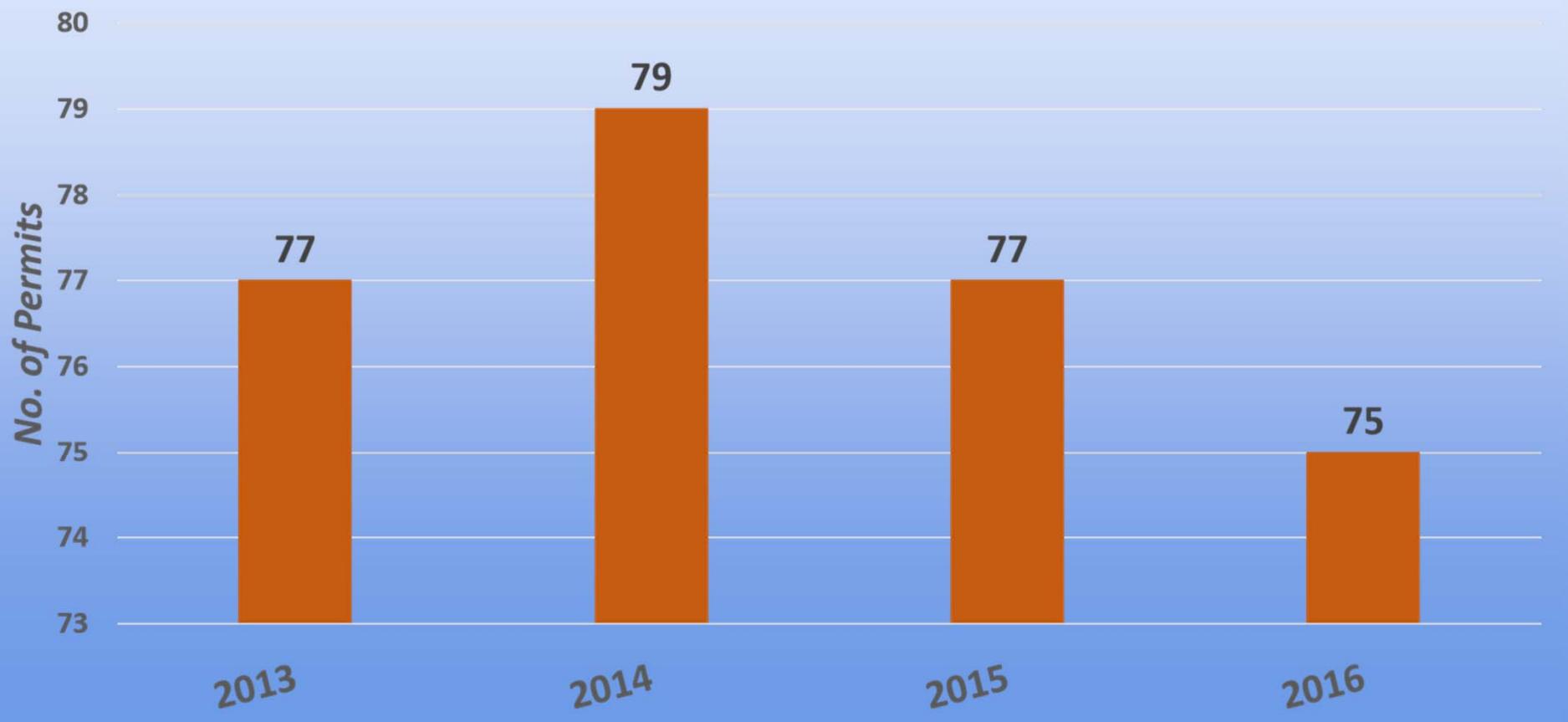
**350 ac-ft**

Alternative to buying flood insurance...



DAVE GRANLUND © [www.davegranlund.com](http://www.davegranlund.com)

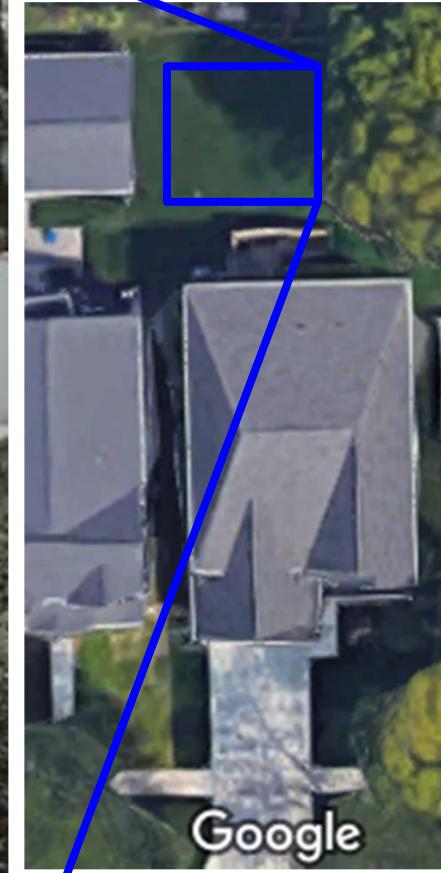
## New Single Family Permits





### New Homes

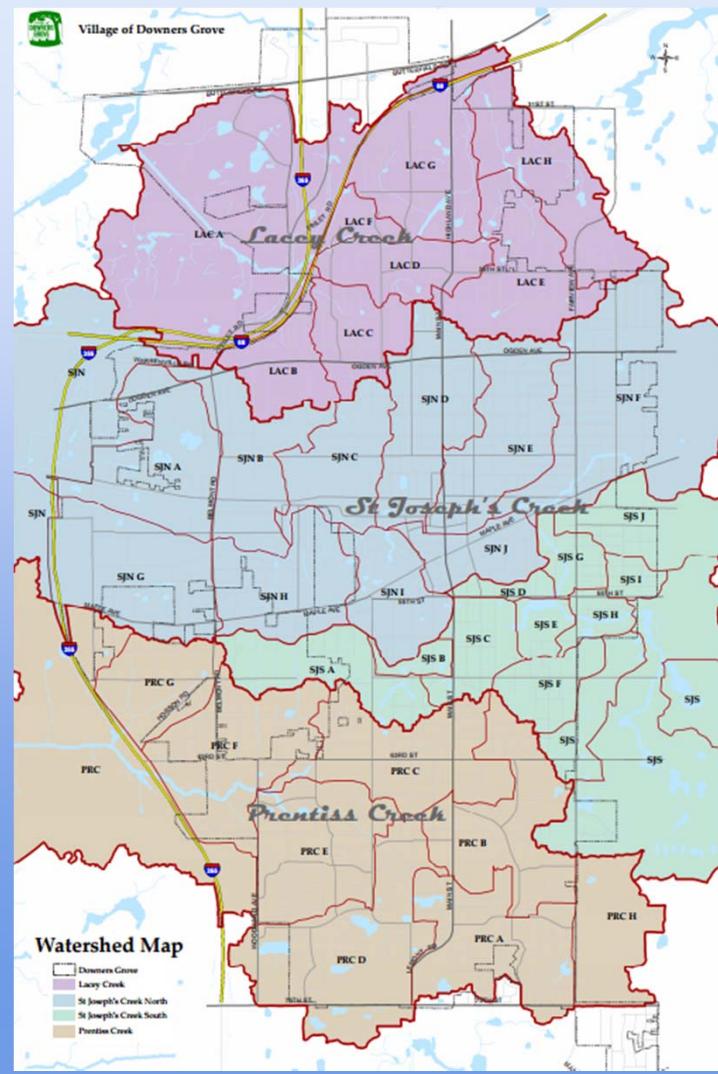
- Larger footprint homes
- Deeper basements
- Increased impervious (patio, 3 car garage, pools)
- Less green space
- Reduced overland flow path width (fences, sheds)



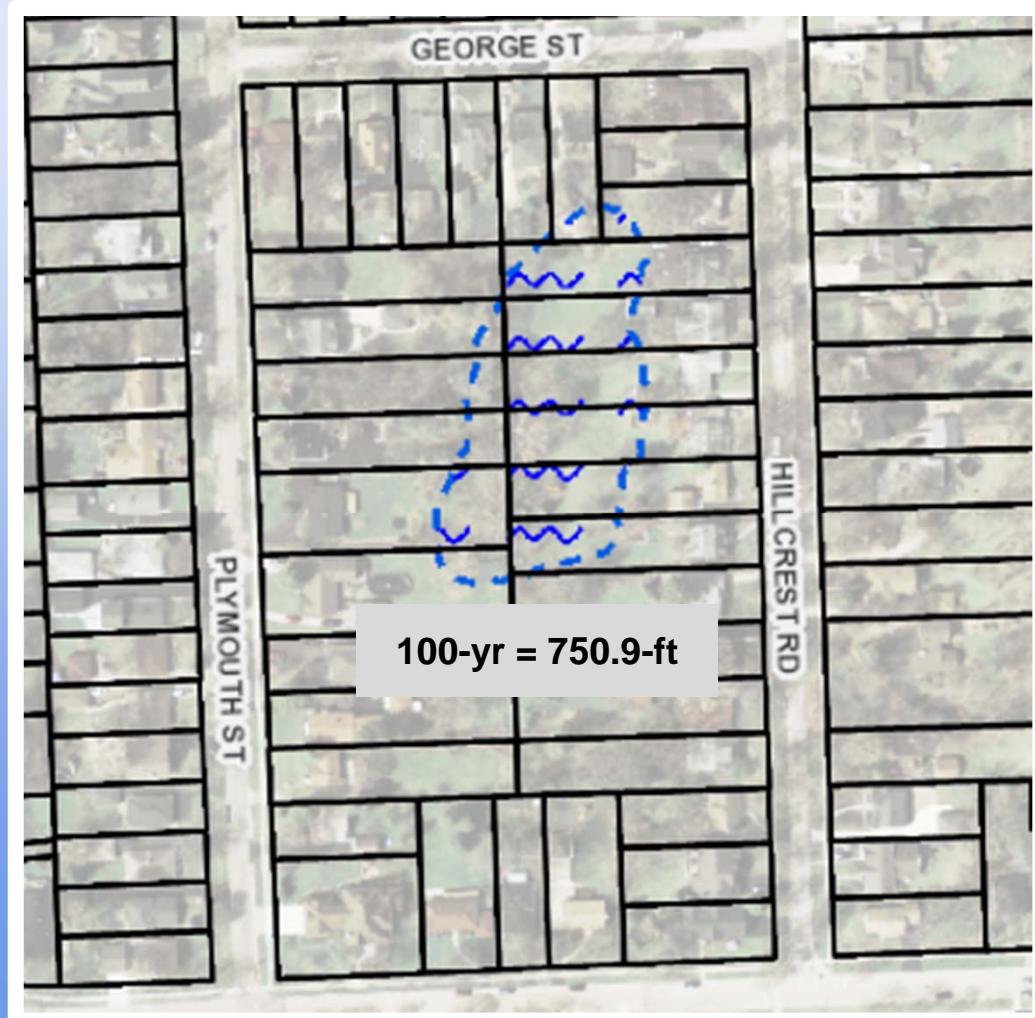
# WIIP

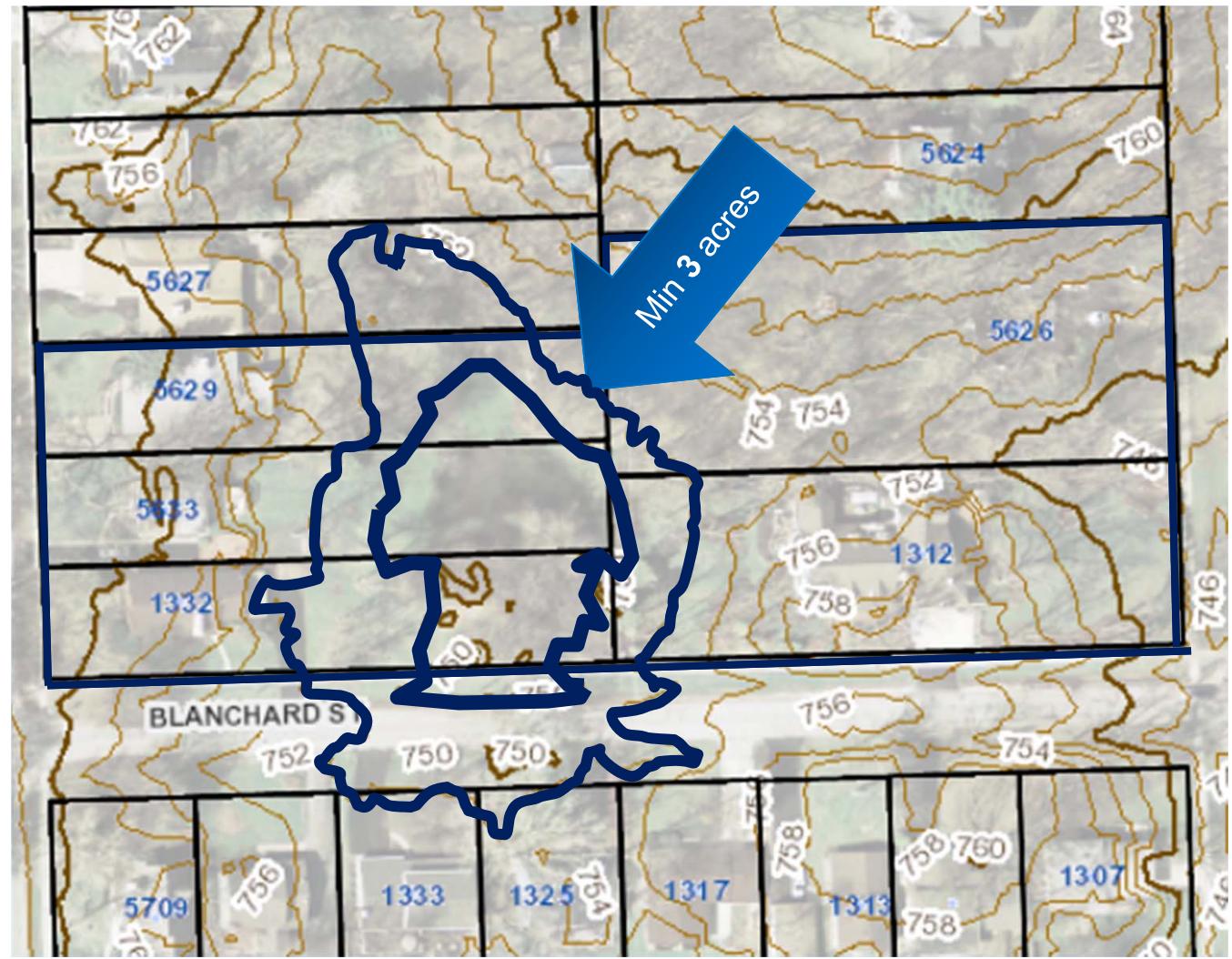


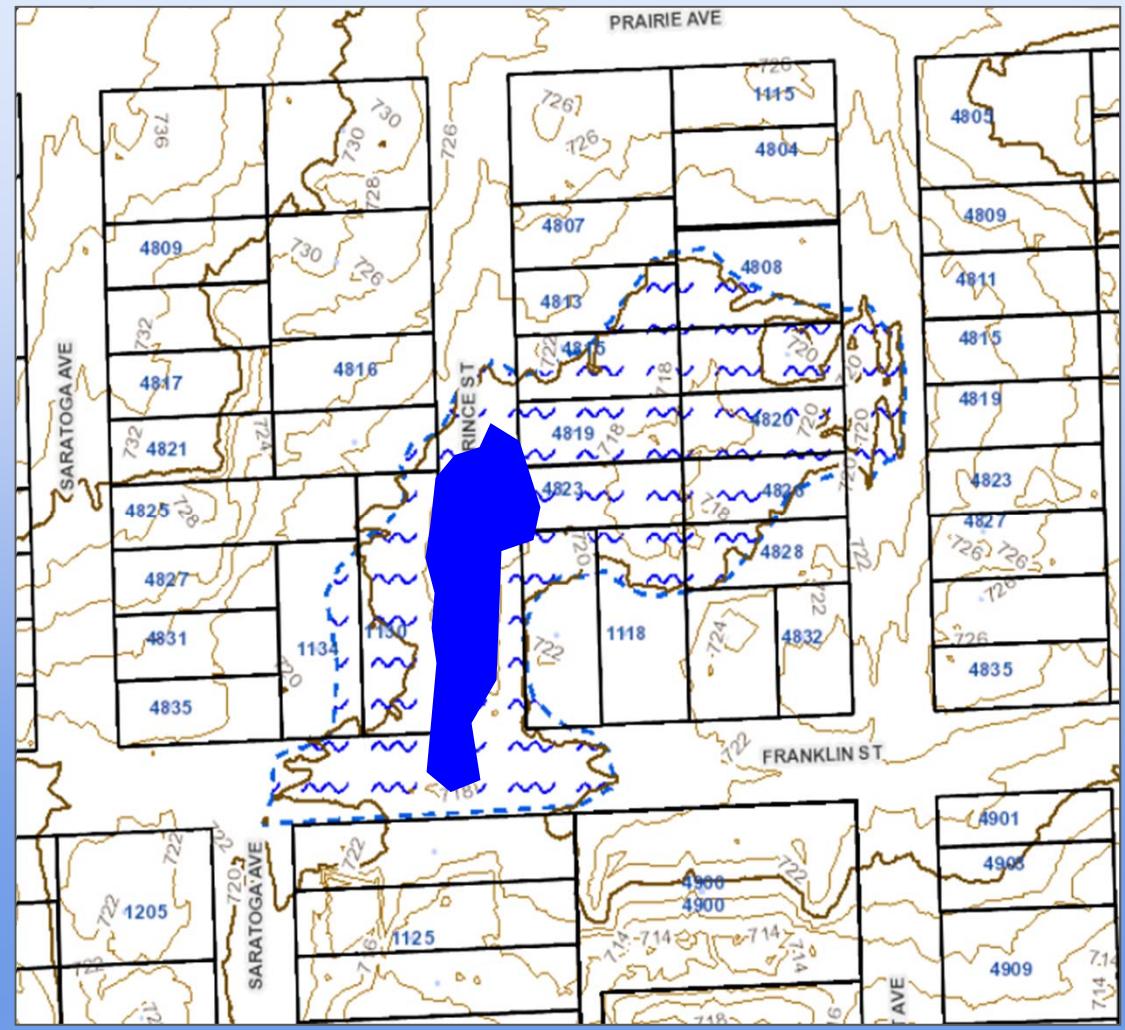
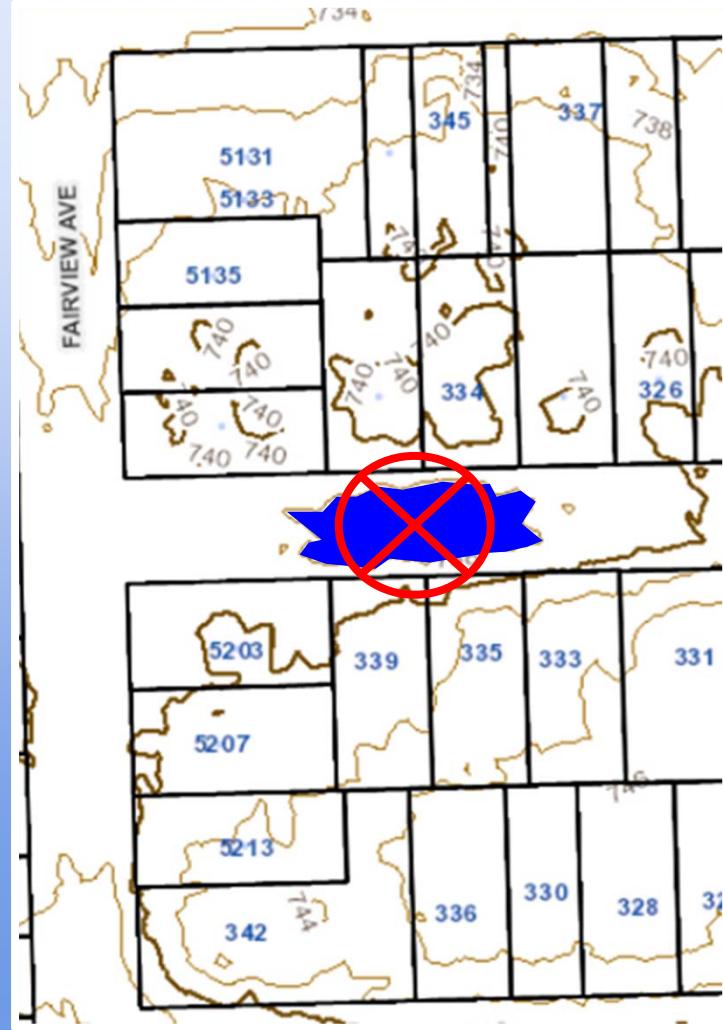
ClarkDietz  
Engineering Quality of Life™

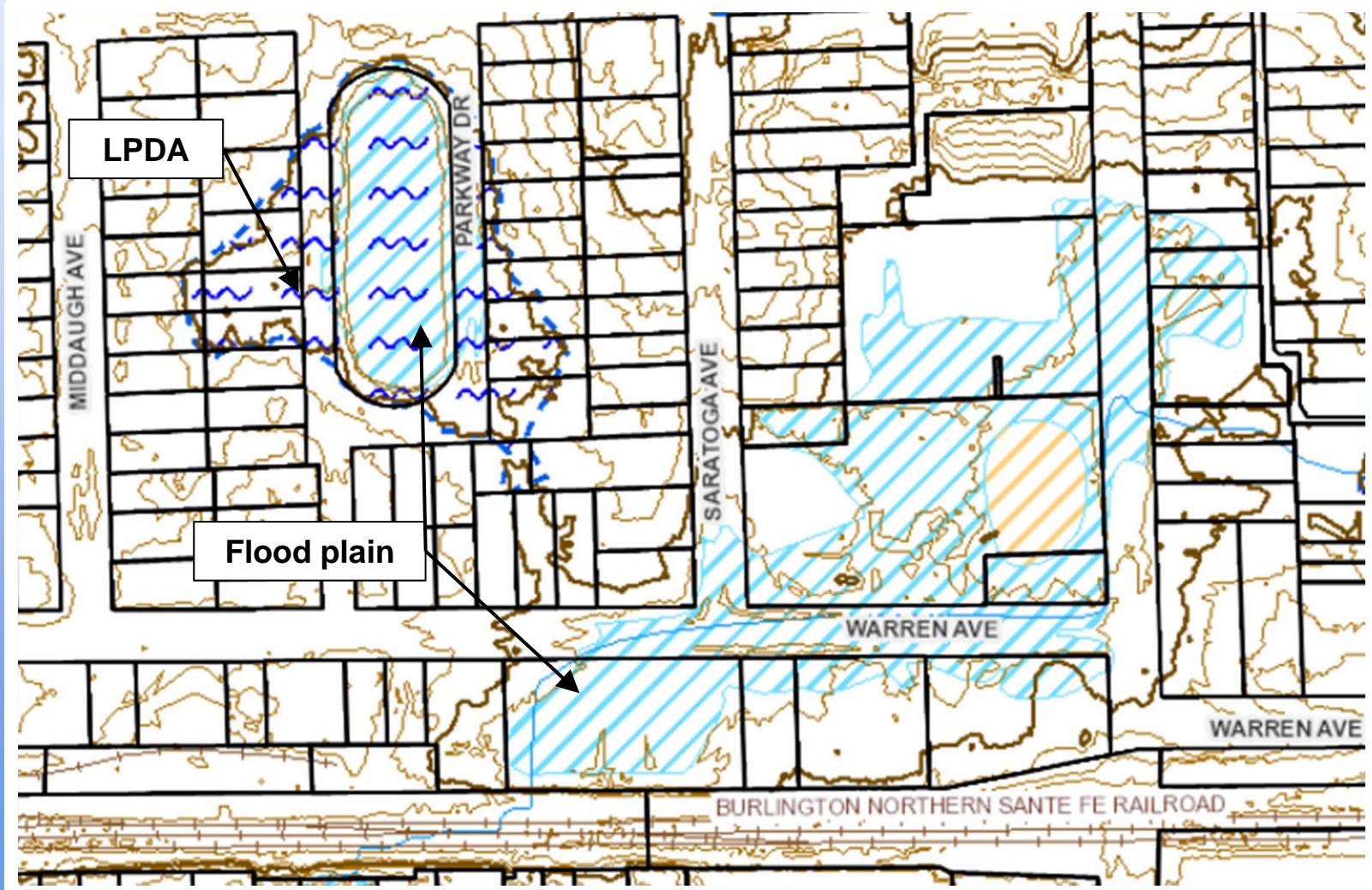


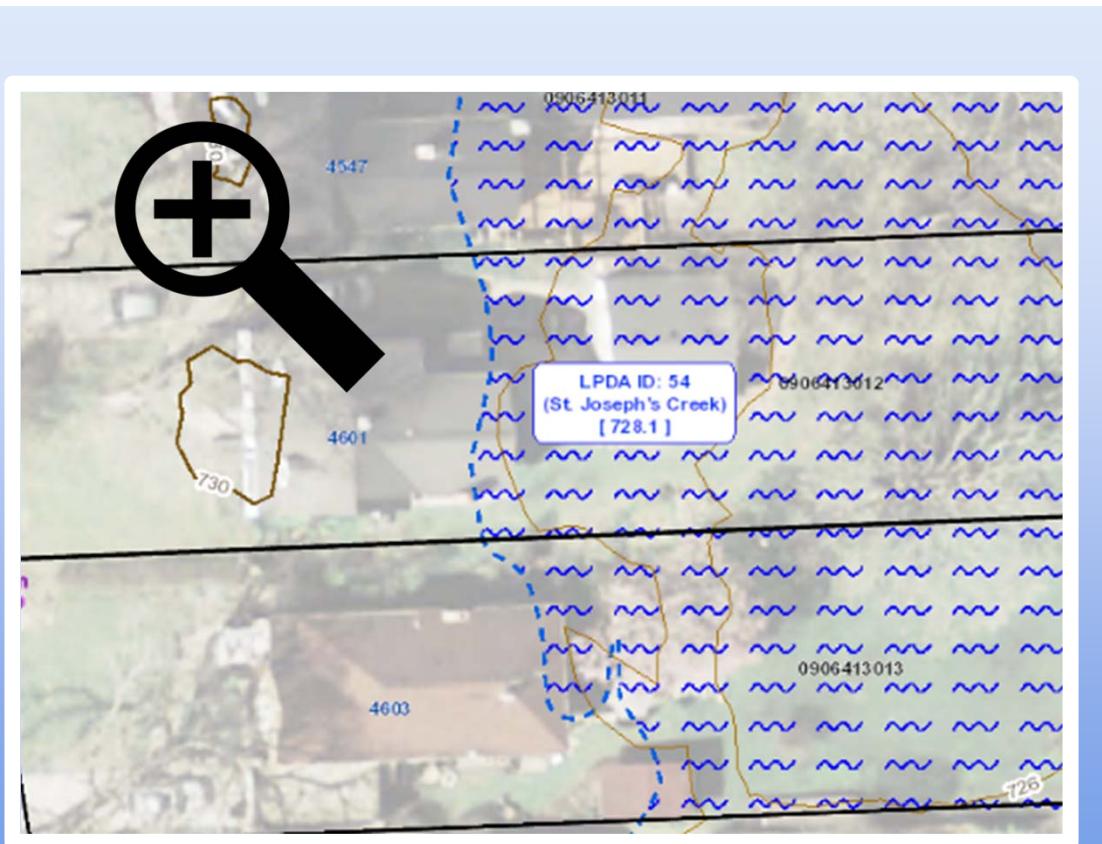
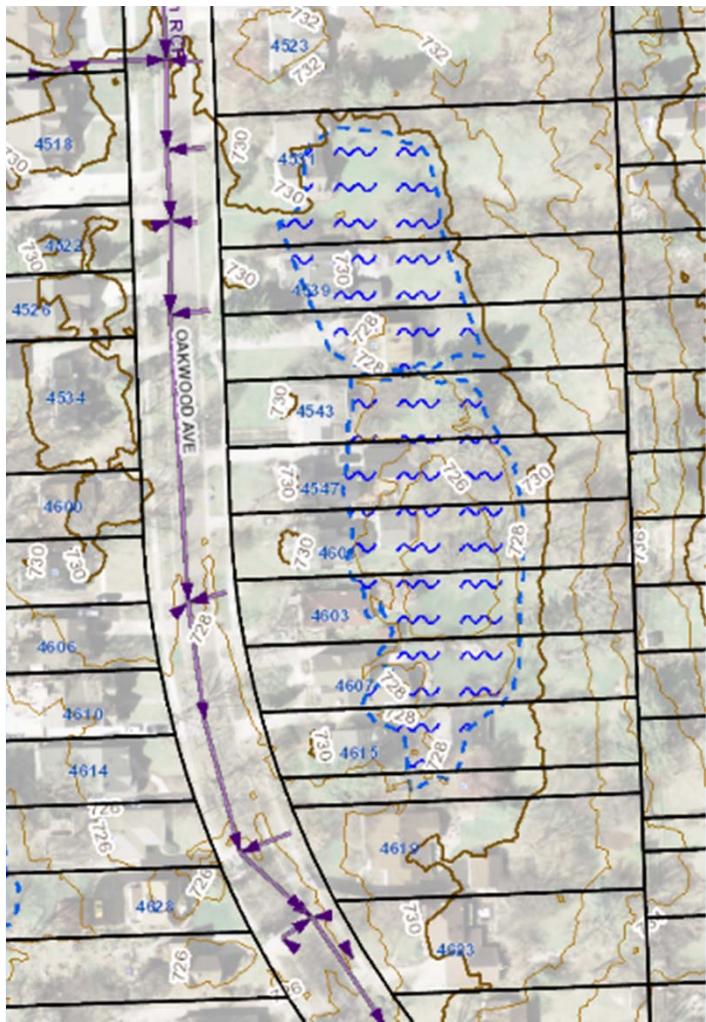
**L**ocalized  
**P**oor  
**D**rainage  
**A**rea





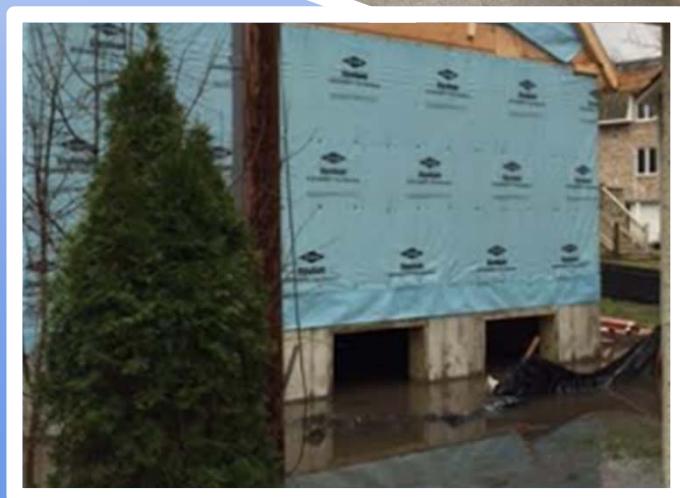






LPDA - Regulated similar to floodplain

- Comp Storage
- Flood proofing
- Freeboard

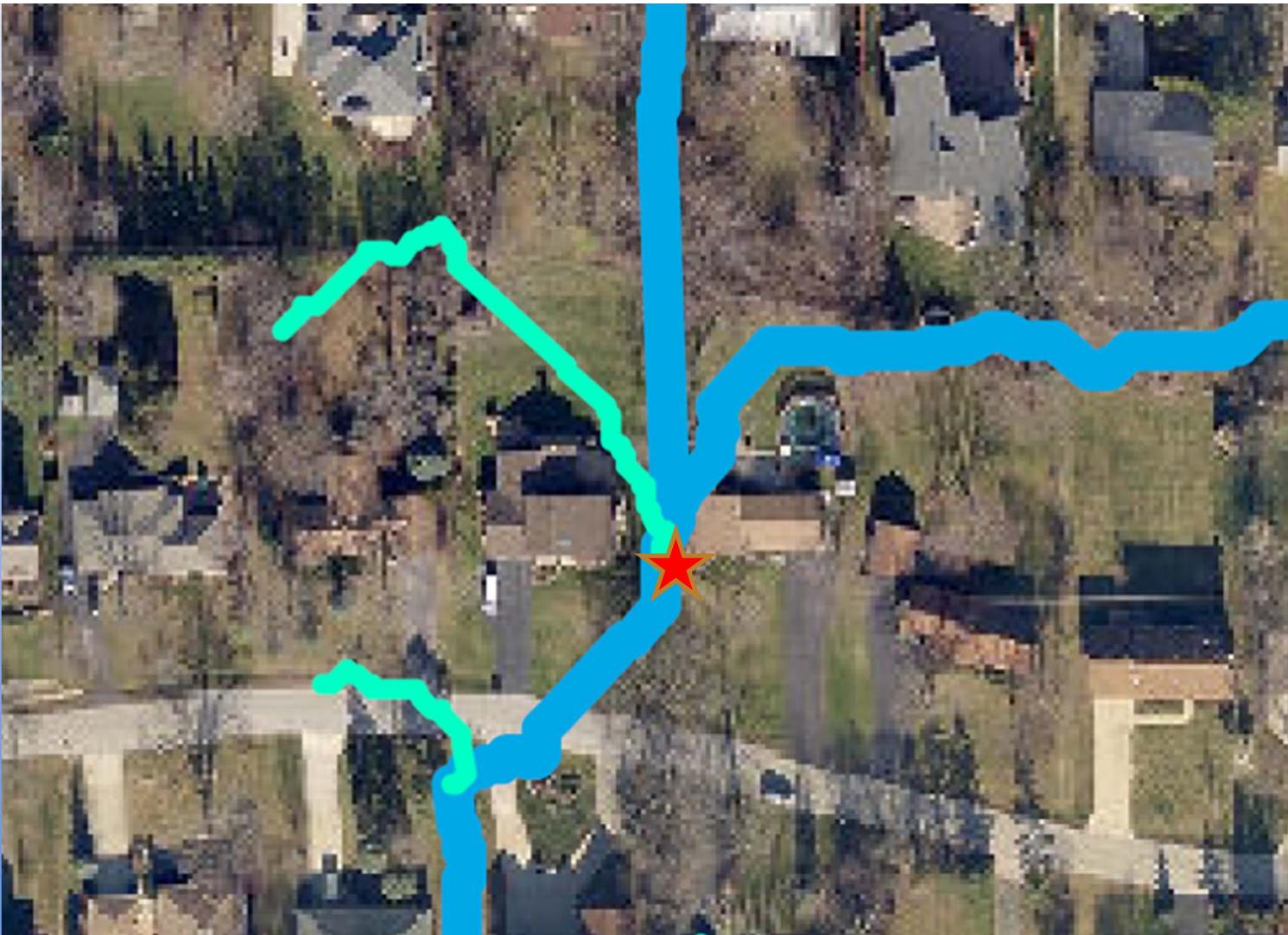


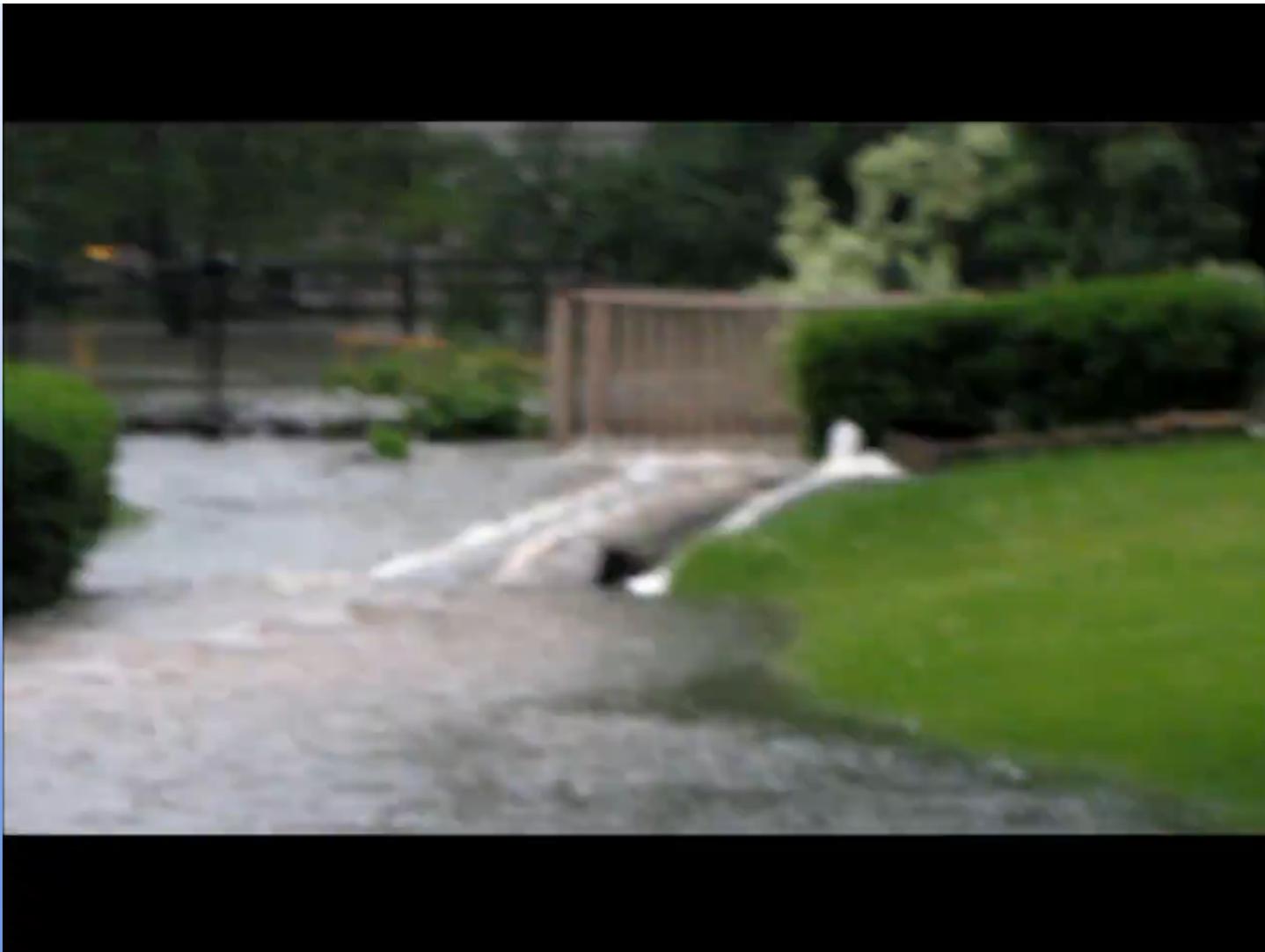
## Permits

■ Additions ■ Fences























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