

# Tall Trees

Presentation to  
Village of Glenview  
Storm Water Task Force  
February 11, 2009

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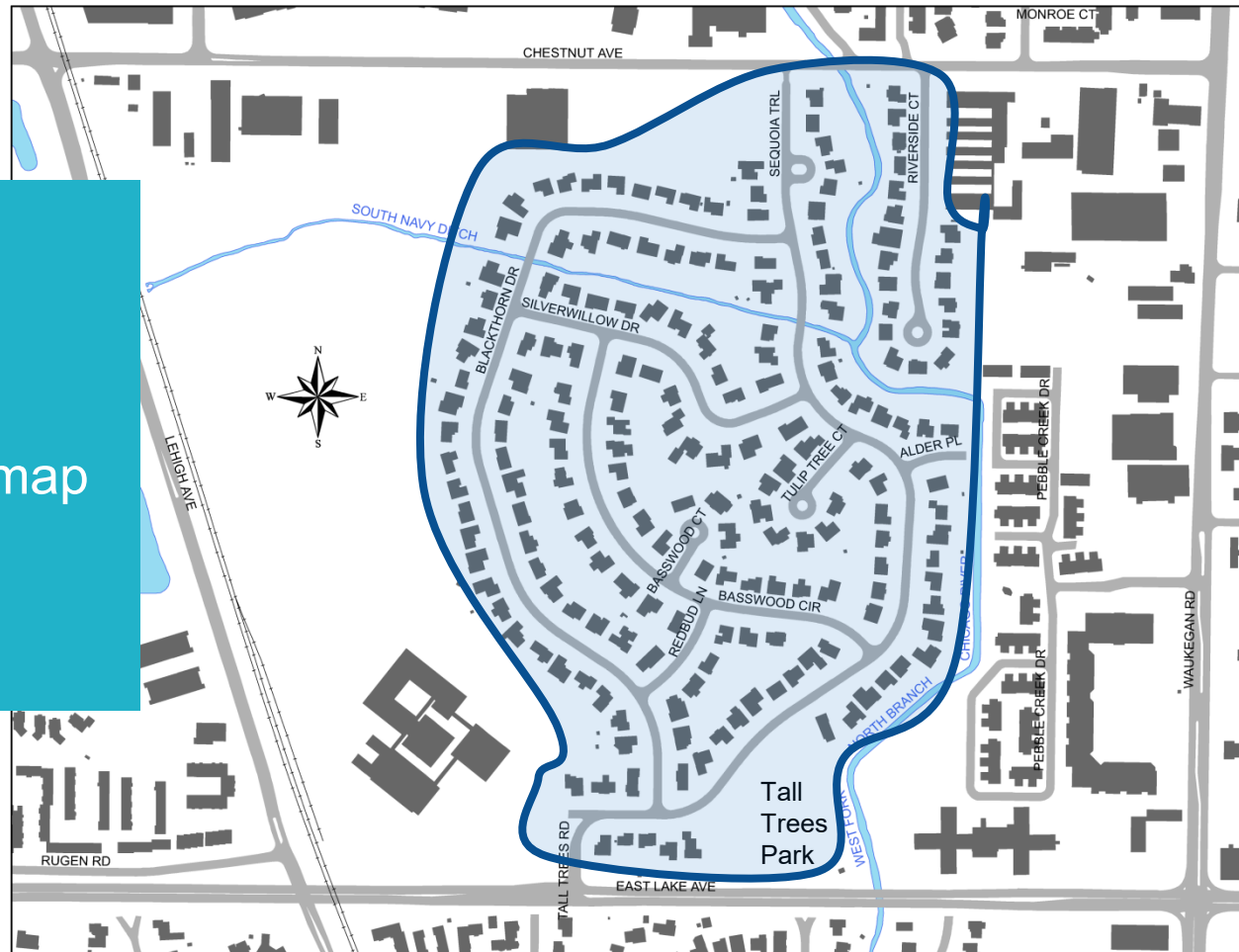
# Tall Trees

- Agenda
  - Introduction to the neighborhood
  - Tall Trees storm water drain network
  - Tall Trees relationship to major storm water detention areas
  - Tall Trees and the current floodplain map
  - 2007
  - 2008
  - Our concerns
  - Are there solutions??????



# Tall Trees Neighborhood

- 194 homes
- Built 1960s
- Before flood map and detention requirements developed



# Chicago River

- Flows from northern suburbs through Glenview
- 71% of the Village drains to the West Fork
- Traverses Tall Trees North to South

Normal State – Feb 7, 2009  
Looking South from Chestnut



September 12, 2008  
Looking South from Chestnut



# Chicago River

Normal State – Feb 7, 2009  
Chestnut Overpass



September 12, 2008  
Chestnut Overpass



# South Navy Ditch

- Built to provide drainage from former Glenview Naval Air Station airfield to the Chicago River
- Traverses Tall Trees West to East
- Joins Chicago River within Tall Trees
- MWRD responsible for maintaining
- Characteristics:
  - Steep banks
  - Flat bottom, little slope
  - Generally flows west to east
  - When Chicago River rises flows east to west

Looking east from Sequoia Trail  
Confluence with Chicago River



Feb 7, 2009

# South Navy Ditch

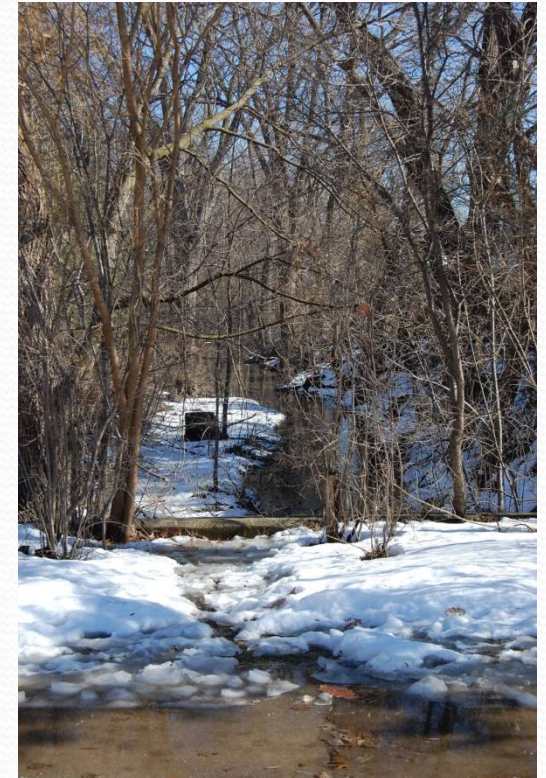


Looking west from  
Blackthorn Drive

Looking west from Sequoia Trail

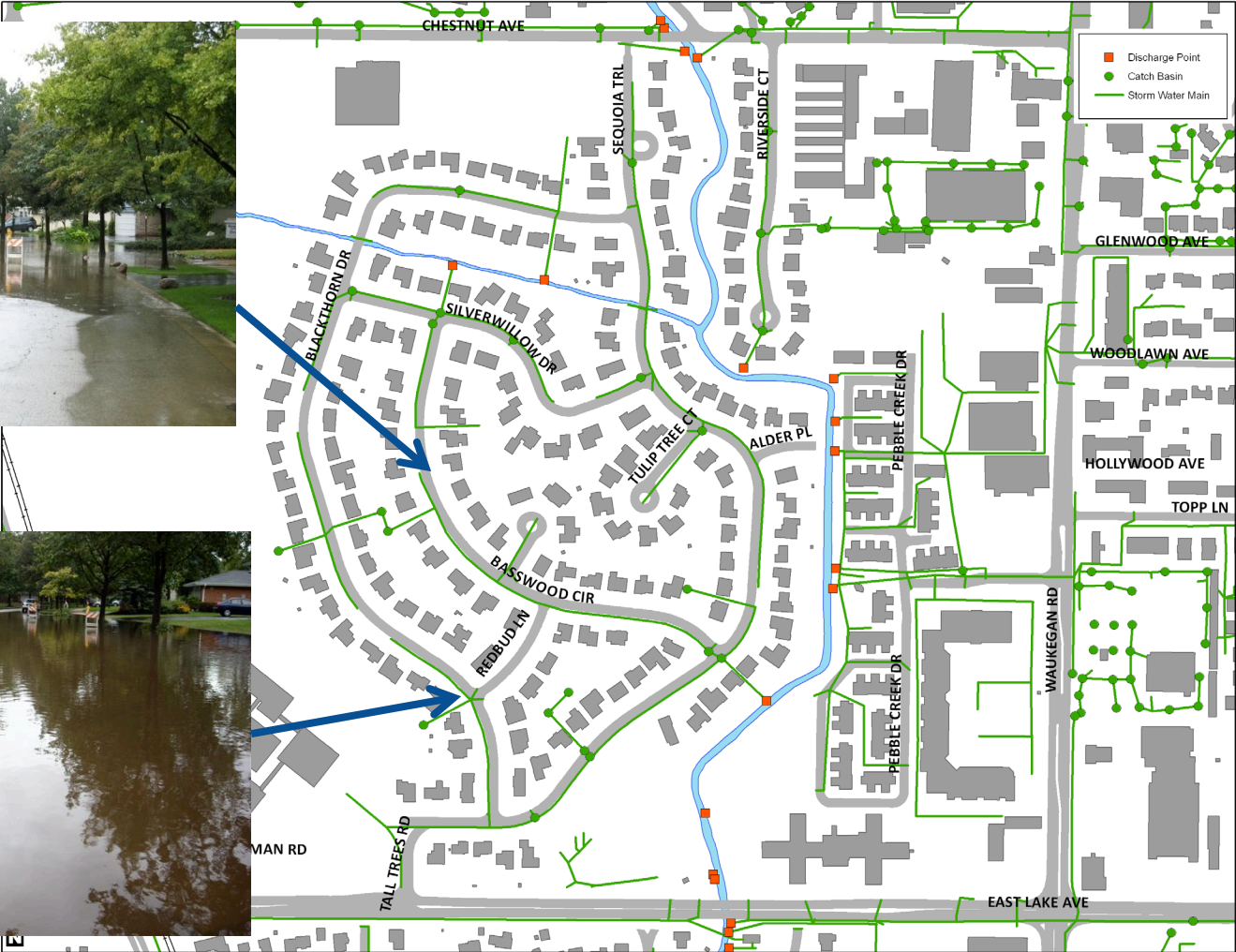


Feb 9, 2009



Looking east from  
Blackthorn Drive

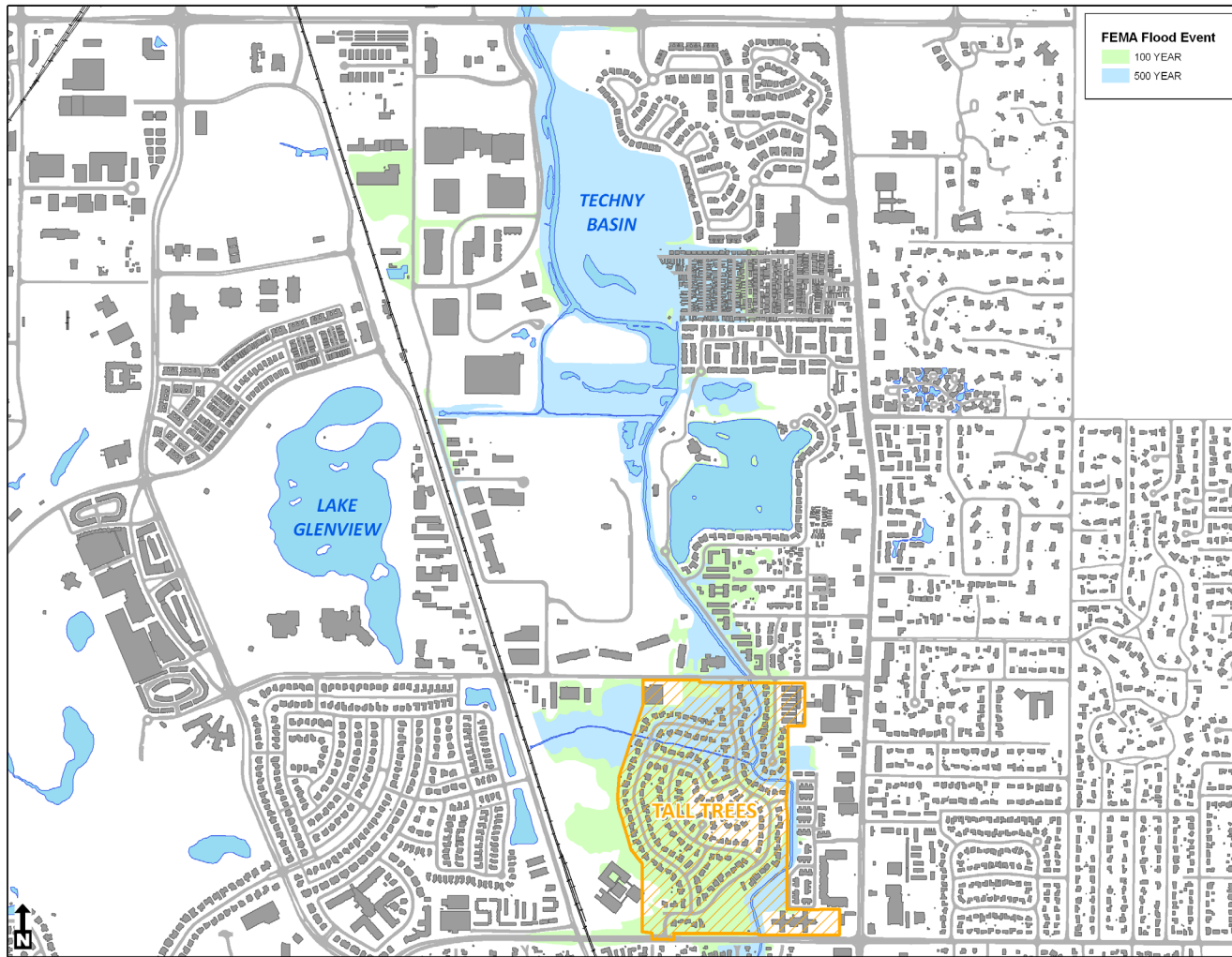
# Tall Trees Storm Water Drains



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# Major Storm Water Detention Sites



# Tall Trees Floodplain



# August 2007

- Severe wind damage
- Power outage
- Basement Flooding – sump pump failures



- Techny Basin reached capacity
- Sand bags and evacuation notice issued
- S. Navy Ditch at top of banks, Scott Foresman property flooded

# September 2008

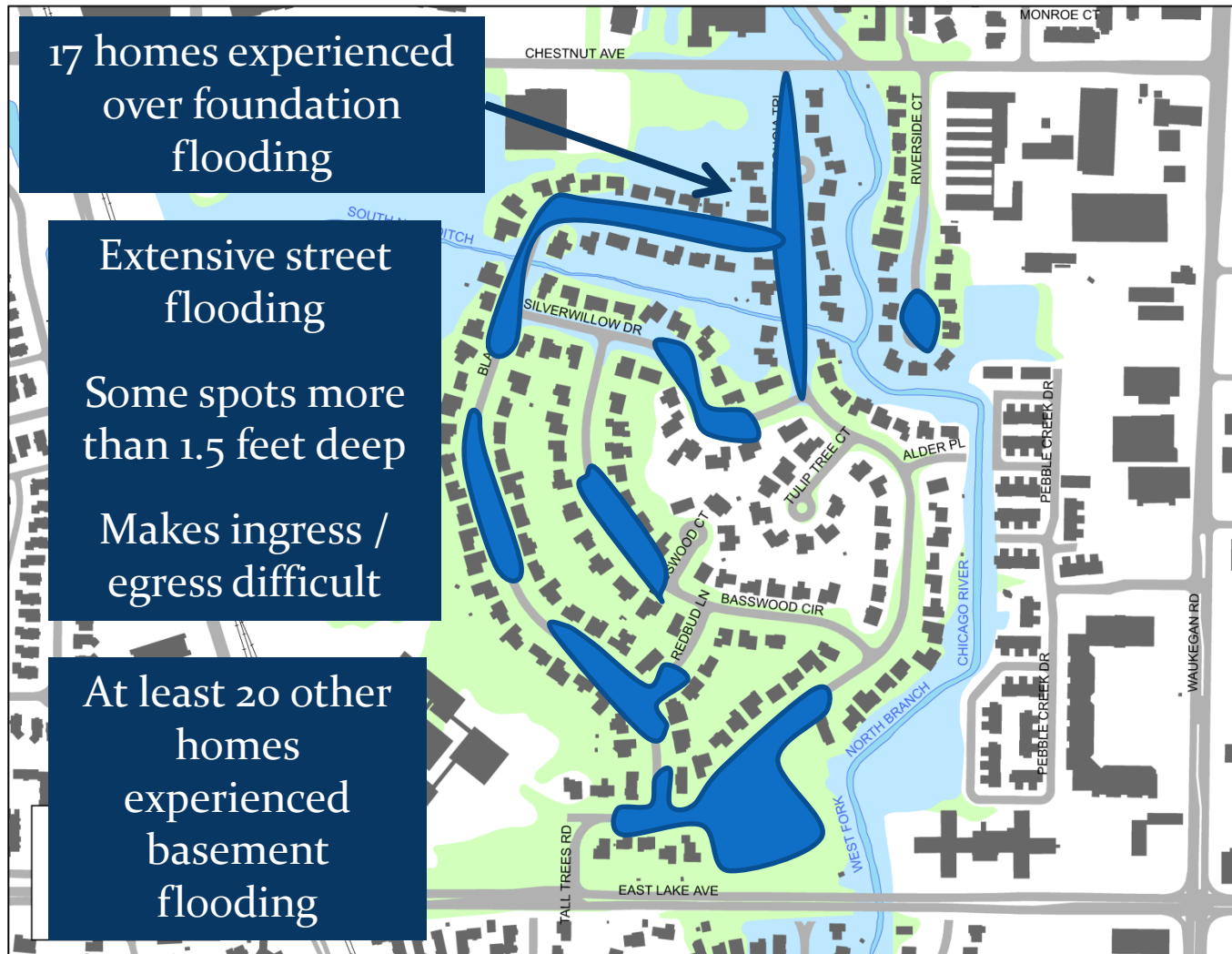
- Tall Trees experiences extensive flooding
  - Street
  - Over foundation
  - Basement
- Flooding occurred in morning, before Techny Basin reached capacity
- Second high water mark when Techny overflowed
  - Highest water around 12 midnight



Sequoia Trail looking South from Chestnut



# Street Flooding – September 2008



# Our Concerns

- We are low
  - How is water coming toward us?
  - Relationship between River / Ditch / Storm Drains
  - Effect of development on drainage patterns
- Safety
  - Ingress / egress
  - Senior citizens / disabled
- Homes
  - Damage to property
  - Hazards – electricity, gas, sewage



# The General Board Development

## Where we see risk



Not to scale /  
approximate  
locations

# Are There Solutions???????

- We need someplace for the water to go
- Enlarge Techny Basin
  - Help control upstream flows
  - Not a complete solution
    - 2008 Flood indicates more needs to be done south of the Techny Basin
- Can other parcels be used for flood mitigation
  - Tall Trees Park, other parks?
  - Lot 17?
  - Downstream locations – Forest Preserve?
- When the next event occurs
  - Improved coordination

