



# CITY OF STORM LAKE

## FLOOD MITIGATION PROGRAM

NOVEMBER 21, 2013

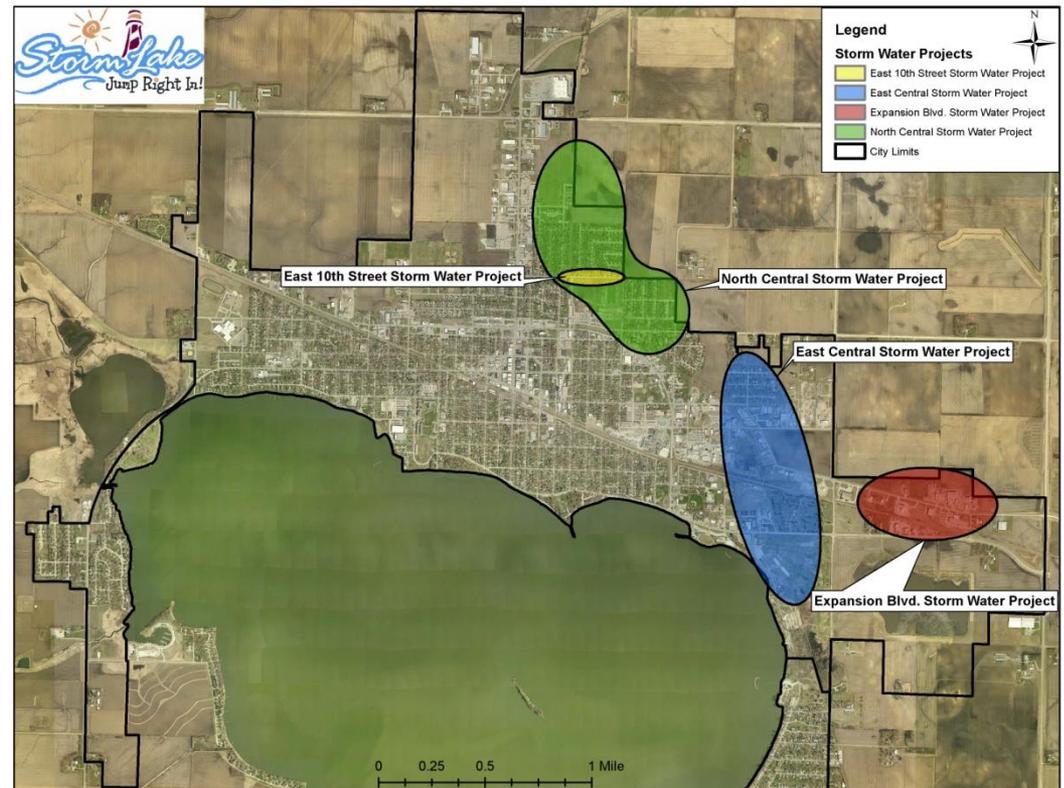


## PROJECT GOALS

- Relieve localized flooding utilizing best management practices for treating storm water run off
- Maintain and increase property values
- Provide for opportunities for reinvestment
- Increase quality of life for residents

# PROJECT OVERVIEW

- Project involves 4 phases
  - Phase 1 - \$1,620,420.65
  - Phase 2 - \$2,675,000.00
  - Phase 3 - \$458,400.00
  - Phase 4 - \$1,587,468.22
  - Bonding Costs - \$1,824,831.97
- All projects relieve immediate flooding issues in low-moderate income neighborhoods, and commercial and industrial areas





# MEMORIAL DAY 2013



# PHASE 1 – EAST CENTRAL STORM WATER PROJECT



# PHASE 1 – EAST CENTRAL STORM WATER PROJECT

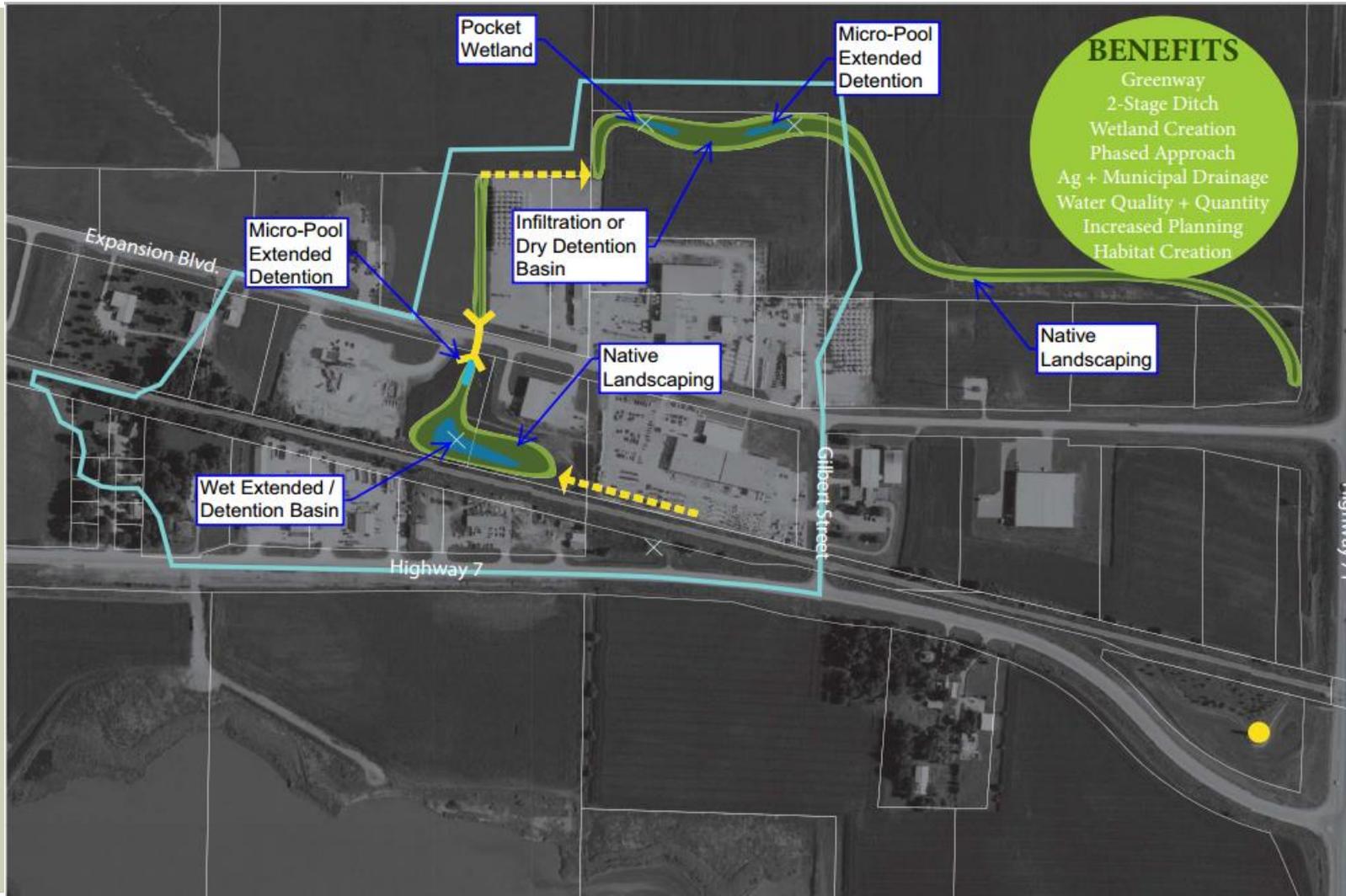
- Relieves flooding utilizing detention ponds and the use of Iron filings in a sand filtration system to remove phosphorous
- Project is currently under construction and expected to be complete in Spring 2014
- Project Designed by Bolton & Menk Engineering
- Project Contractor – Lundell Construction



# PHASE 2 & 3 – NORTH CENTRAL STORM WATER PROJECT & E. 10<sup>TH</sup> STREET

- Total cost of both phases = \$3,133,400.00
- Phase 2 will relieve flooding in a large residential neighborhood
- Phase 3 is needed as the installation of piping work for the North Central Project will tear up the road
- Project Timeline:
  - Project completion in Summer 2015
- Project Designed by Bolton & Menk Engineering

# PHASE 4 – EXPANSION BLVD STORM WATER PROJECT



# PHASE 4 – EXPANSION BLVD STORM WATER PROJECT

- Relieves storm water from the City's main Industrial Park area
- Industry in this area has lost production days and finished product due to flooding issues
- Project Timeline
  - Construction complete in Spring 2015
- Project Designed by Emmons & Olivier Resources, Inc. (EOR)



# OVERALL PROJECT FUNDING

- The project is being proposed to be funded with the following funds:
  - Community Development Block Grant - \$1,200,000
  - TEA21 Funding (TAP) - \$203,436
  - City Cash - \$310,264
  - City Cash Over Time - \$685,153.42
  - City Revenue Bonds - \$1,684,207
  - State Sales Tax Increment Bonds - \$4,083,060.42
    - Total Project = \$8,166,120.84
  
- State Sales Tax Increment Bonds will be backed by the General Obligation of the City of Storm Lake