



City of West Lafayette, Indiana
Board of Public Works and Safety

North Side Regional Lift Station and Force Main Improvements

Public Hearing
July 10, 2012

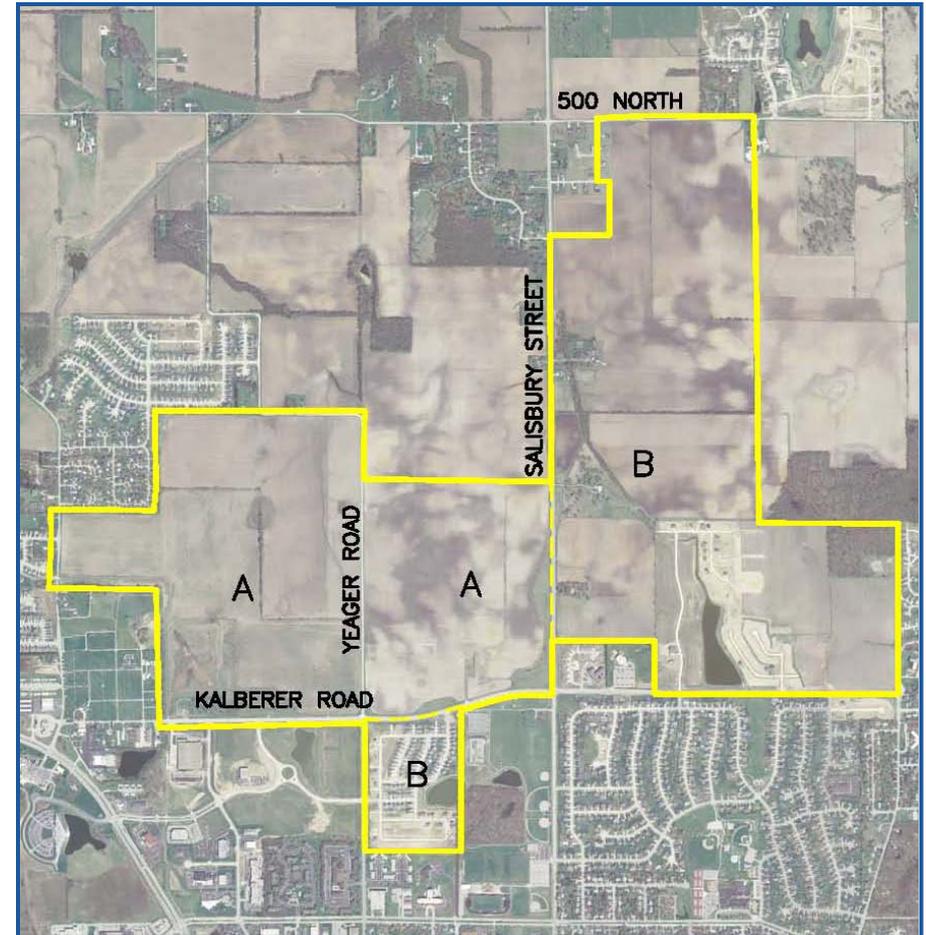
Agenda



- Project Need
- Alternatives Evaluation
- Recommended Plan
- Environmental Impact
- Project Financing
- Schedule

Project Need

- North Side Annexation
- Sanitary Sewer Service
- Coordinate with Combined Sewer Overflow Long Term Control Plan



Alternatives Evaluation



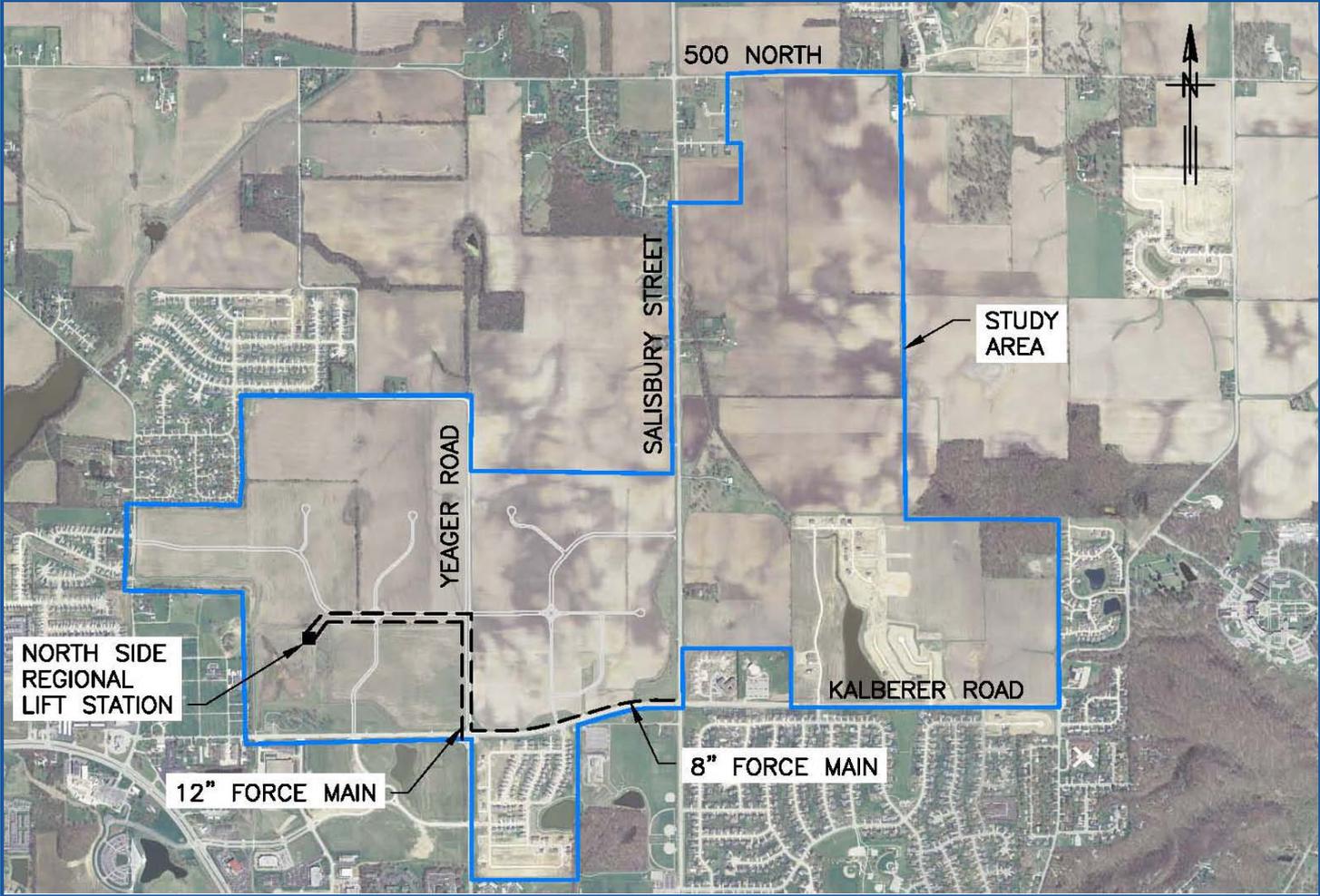
- **Alternative 1 – No Action**
 - Does not address need for sewer service
- **Alternative 2 – Gravity Sewer**
 - Existing sewer system too shallow to serve the study area
- **Alternative 3 – Lift Station and Force Main**
 - Can serve the entire study area
 - Redirect flow from combined sewer system to separate sanitary sewer

Recommended Plan

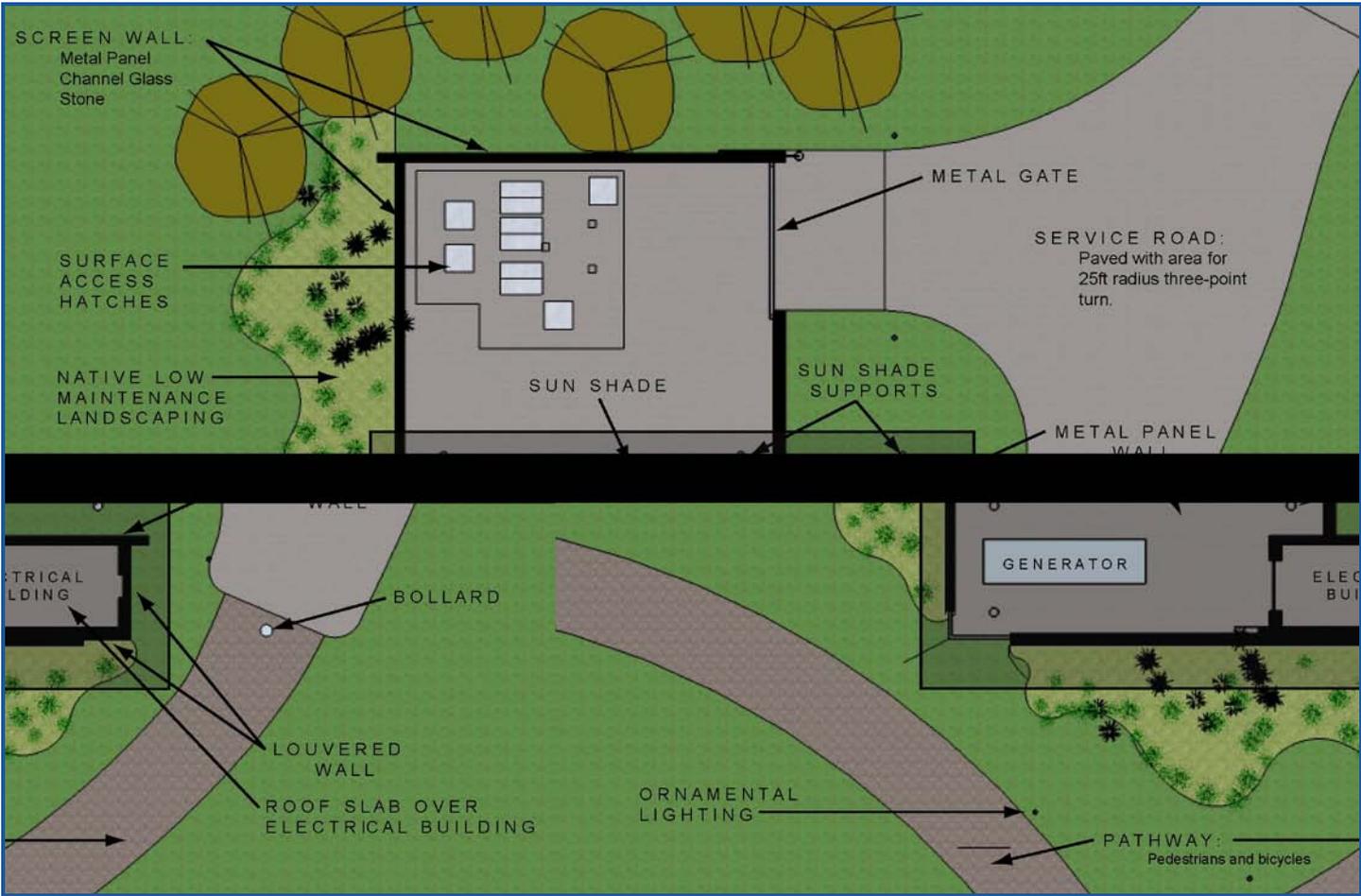


- Lift Station and Force Main
 - Phased Construction
 - Initial Development – 207 acres, 1.1 mgd
 - 2 pumps, 8" force main
 - Ultimate Development – 786 acres, 2.9 mgd
 - 3 pumps, 12" force main

Recommended Plan



Recommended Plan



Lift Station - North View



Lift Station - South View



Lift Station - East View



Lift Station - West View



Environmental Impacts



- Short-Term Impacts:
 - Construction related/noise/dust/traffic
 - Project specifications will address
- No Impacts to:
 - Archeological/Historical Sites
 - Wetlands
 - Floodways
 - Streams

Project Financing



- Estimated Project Cost: \$4.4 million
- Potential use of low interest SRF financing
 - Tier III median house hold income
 - Under \$30/month average rate
 - 2.19% interest rate
- Estimated monthly sewer bill of \$28.06 per 5,000 gallons will remain unchanged.

Schedule



Activity	Completion Date
PER Submittal	June 2012
Anticipated PER Approval	July 2012
Advertise For Bids	July 2012
Receive Bids	August 2012
Loan Closing/Contract Award	August/September 2012
Begin Construction	September 2012
Complete Construction	September 2013

Questions ?

