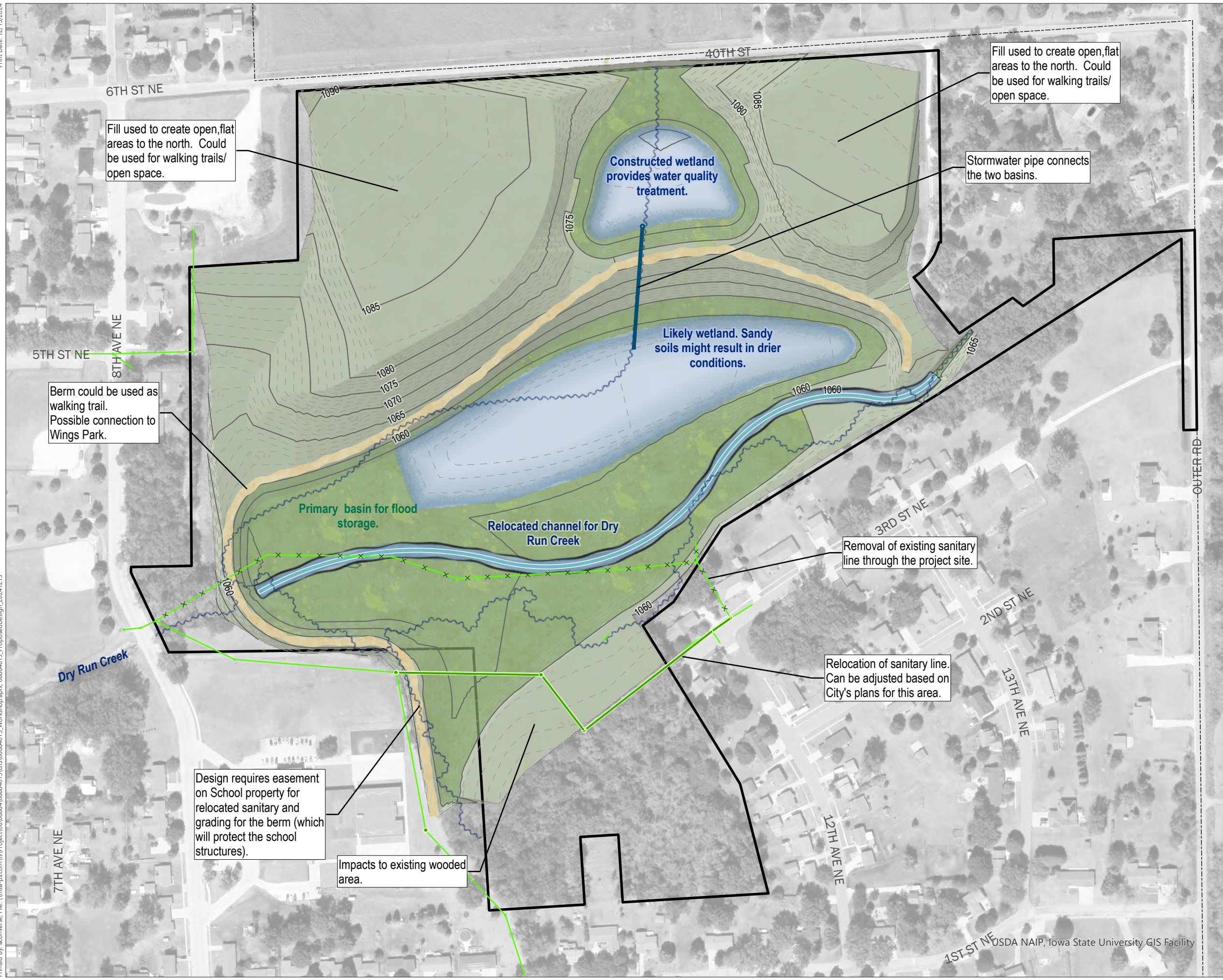


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# Flood Mitigation Pond

Preliminary Design

City of Oelwein  
Fayette County, IA



- Property Boundary
- City of Oelwein
- Proposed Storm
- Proposed Sanitary
- Existing Sanitary
- Existing Sanitary to be Removed
- Proposed Contours**
  - 5-ft
  - 1-ft
- Flood Storage Area (100-yr Event)
- Wetland areas and Dry Run Channel
- Potential Paths
- Revegetated Areas
- Current Alignment (Dry Run Creek and secondary channels)

Fill used to create open, flat areas to the north. Could be used for walking trails/ open space.

Stormwater pipe connects the two basins.

Constructed wetland provides water quality treatment.

Likely wetland. Sandy soils might result in drier conditions.

Primary basin for flood storage.

Relocated channel for Dry Run Creek

Removal of existing sanitary line through the project site.

Relocation of sanitary line. Can be adjusted based on City's plans for this area.

Design requires easement on School property for relocated sanitary and grading for the berm (which will protect the school structures).

Impacts to existing wooded area.

Berm could be used as walking trail. Possible connection to Wings Park.

USDA NAIP, Iowa State University GIS Facility