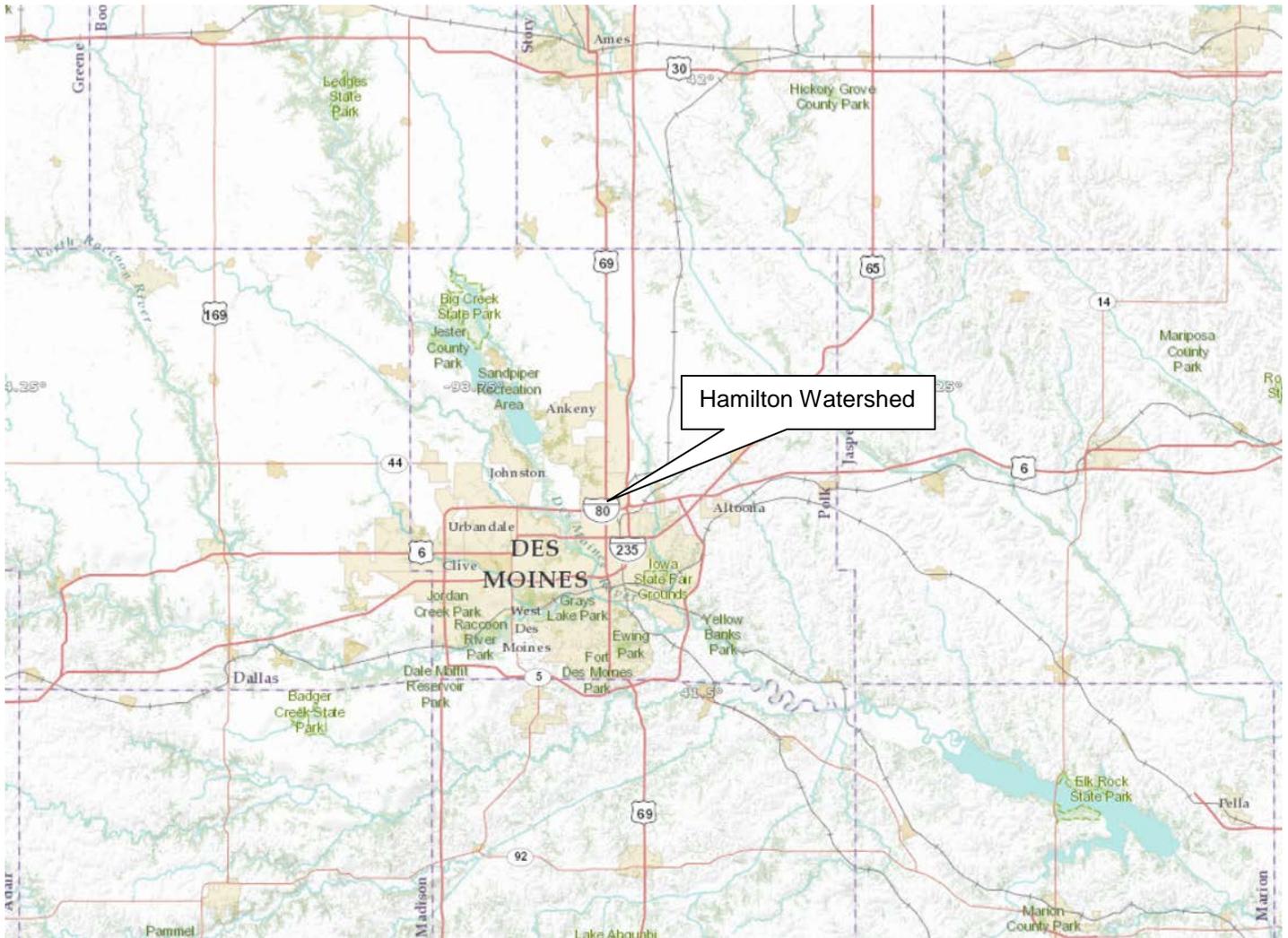


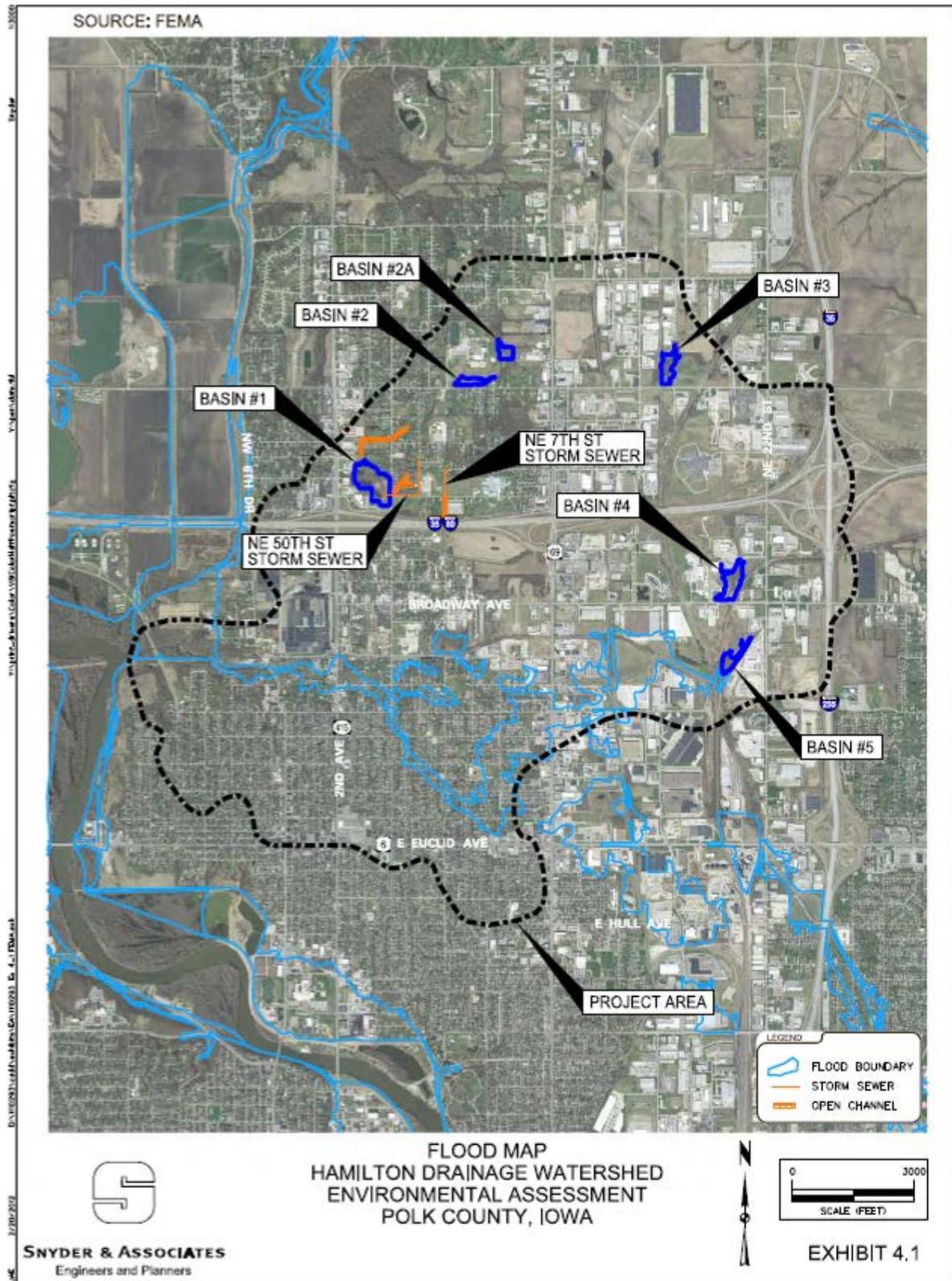
Appendix A

Figure 1: General Location of Hamilton Watershed Area



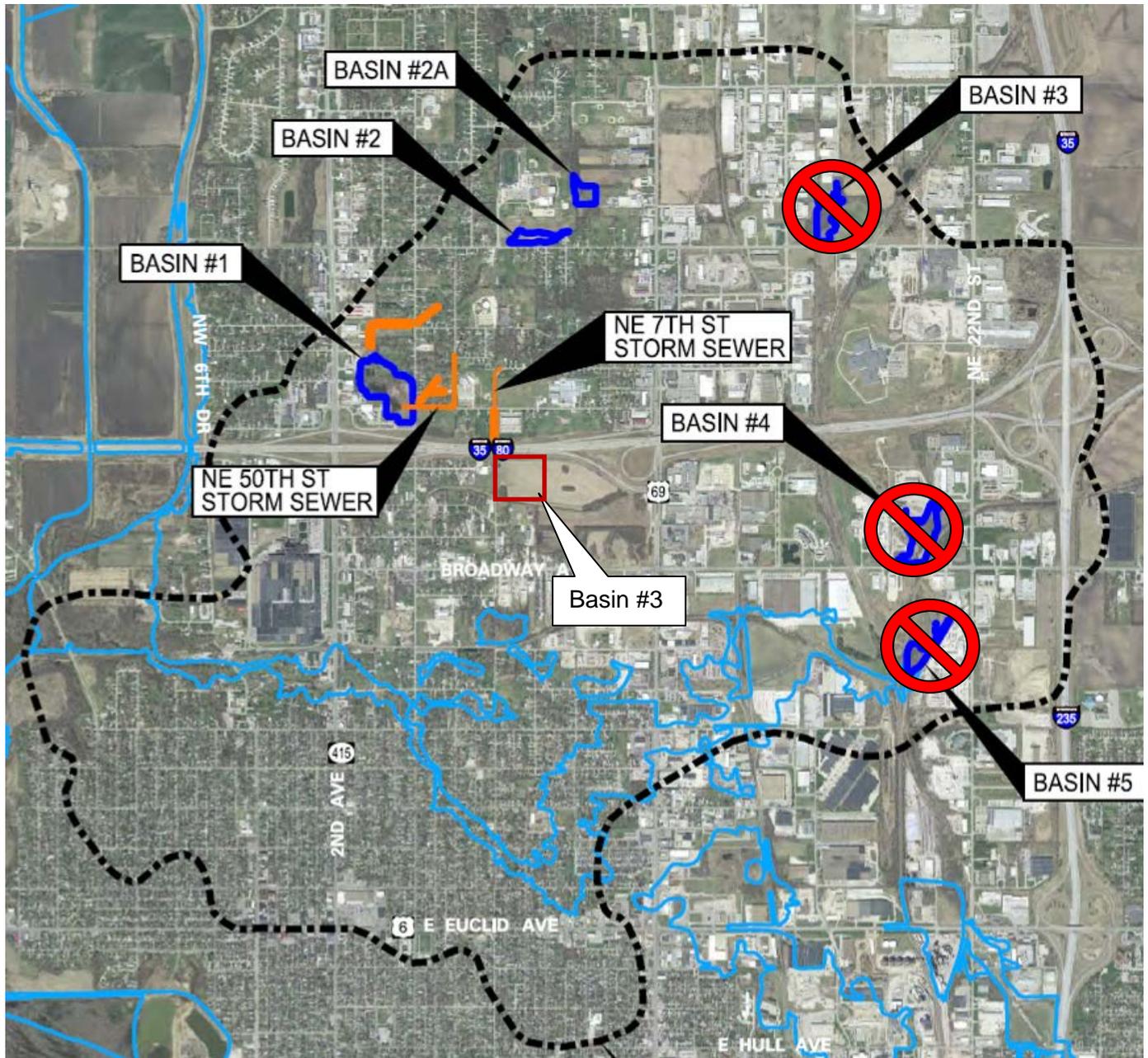
Source: FEMA ArcGIS data

Figure 2: Preliminary Map of Proposed Improvements



Source: Snyder & Associates Preliminary Hamilton Drain Watershed Basin and Stormwater Improvements Environmental Assessment, February 2012

Figure 3: Map of Proposed Improvements within Watershed



Source: Snyder & Associates Preliminary Hamilton Drain Watershed Basin and Stormwater Improvements Environmental Assessment, February 2012 with FEMA notation

Figure 4: Preliminary Proposed Grading Plan for Basin 1

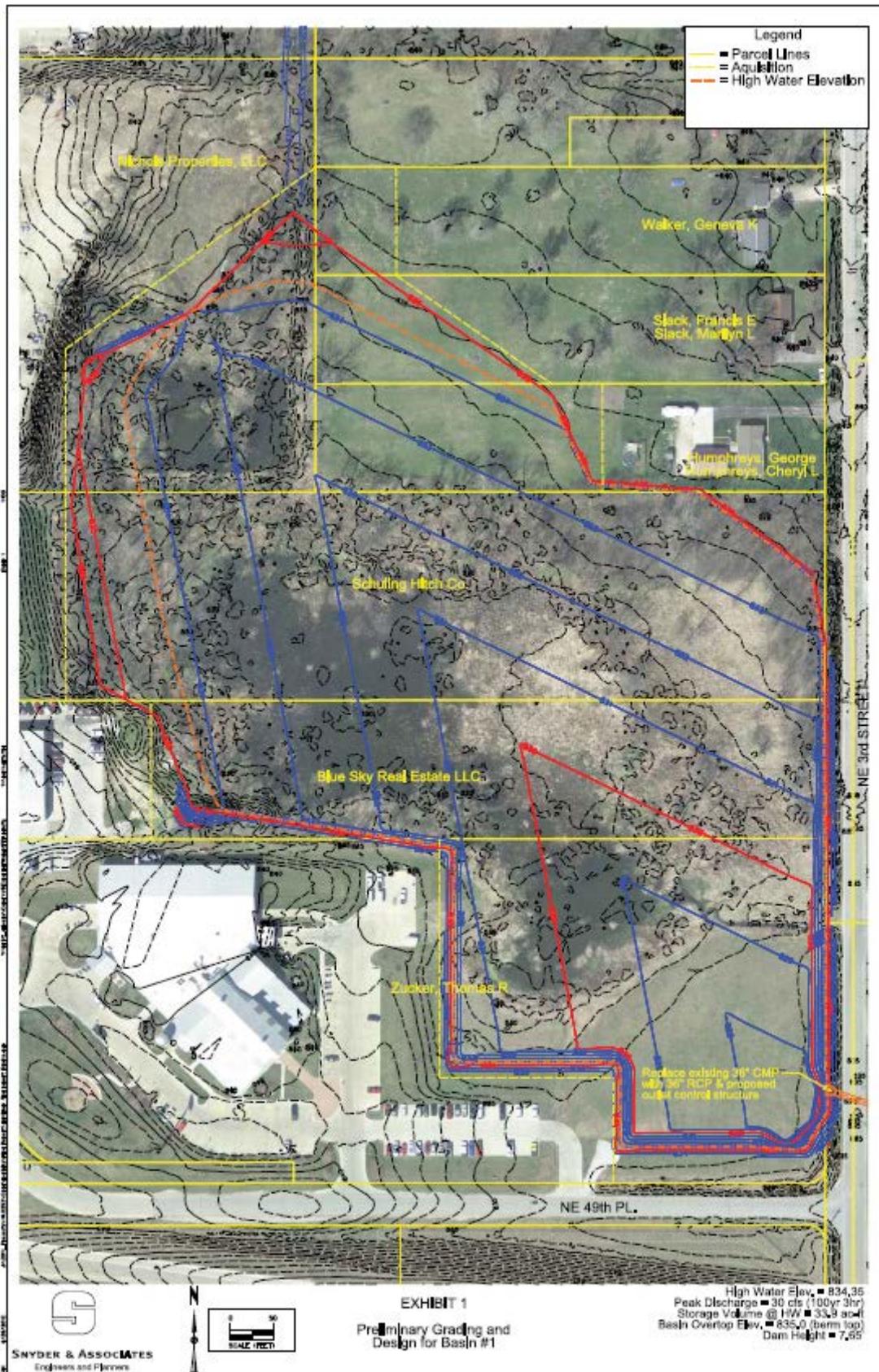


Figure 5: Preliminary Proposed Grading Plan for Open Channel Leading to Basin 1

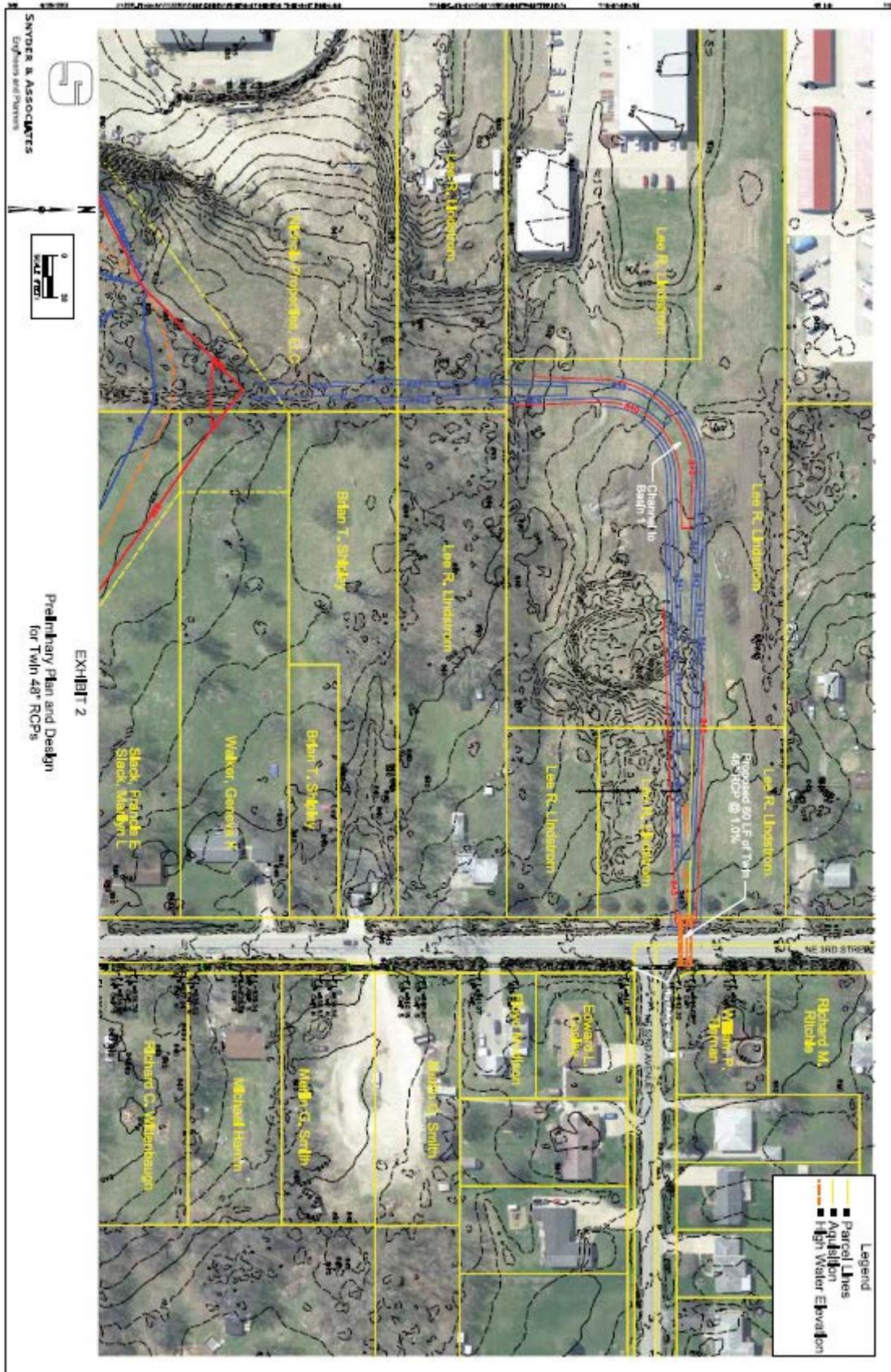


Figure 6: Preliminary Proposed Design for NE 7th Street Storm Sewer

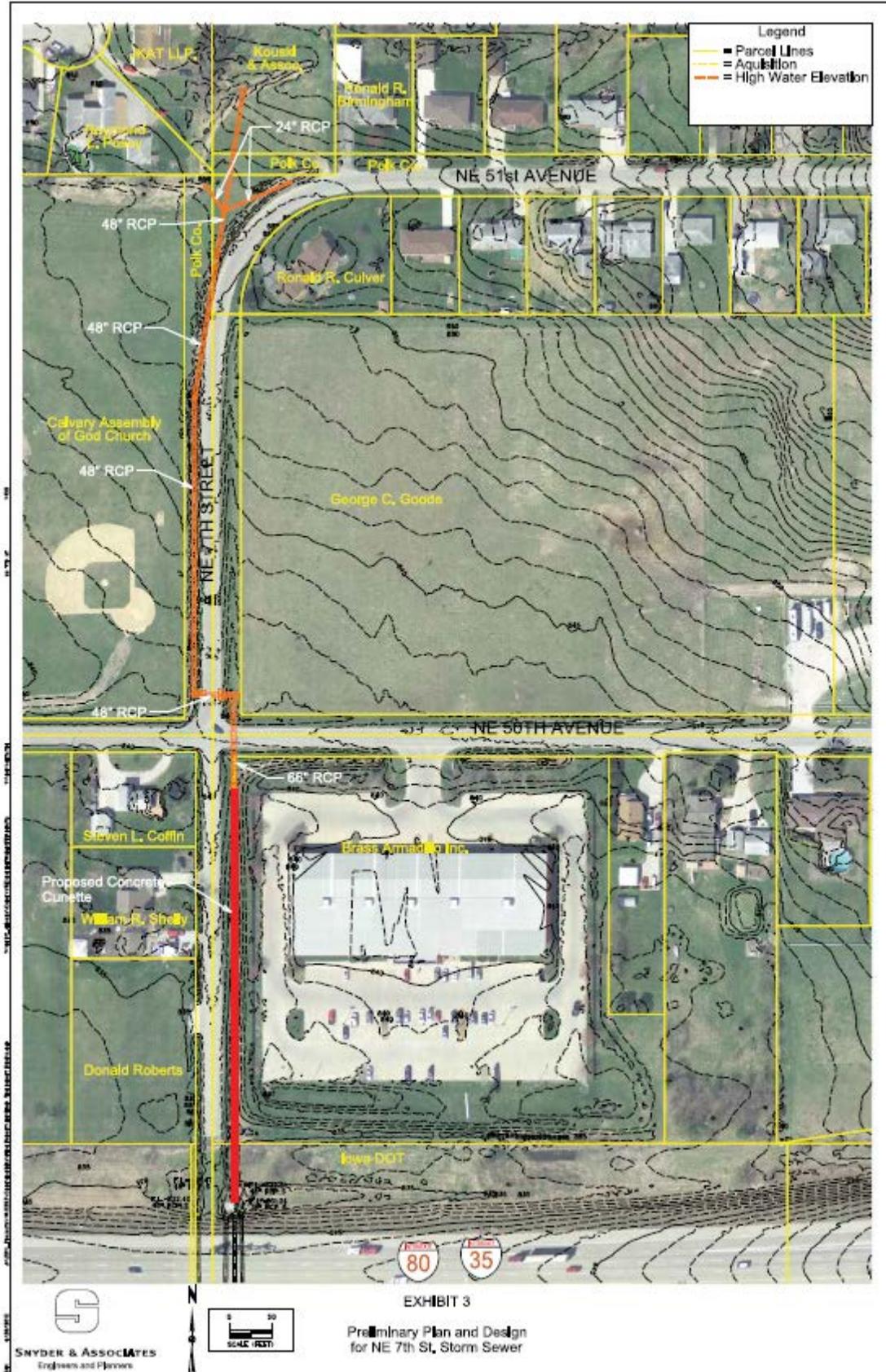


Figure 7: Preliminary Proposed Grading Plan for Basin 2

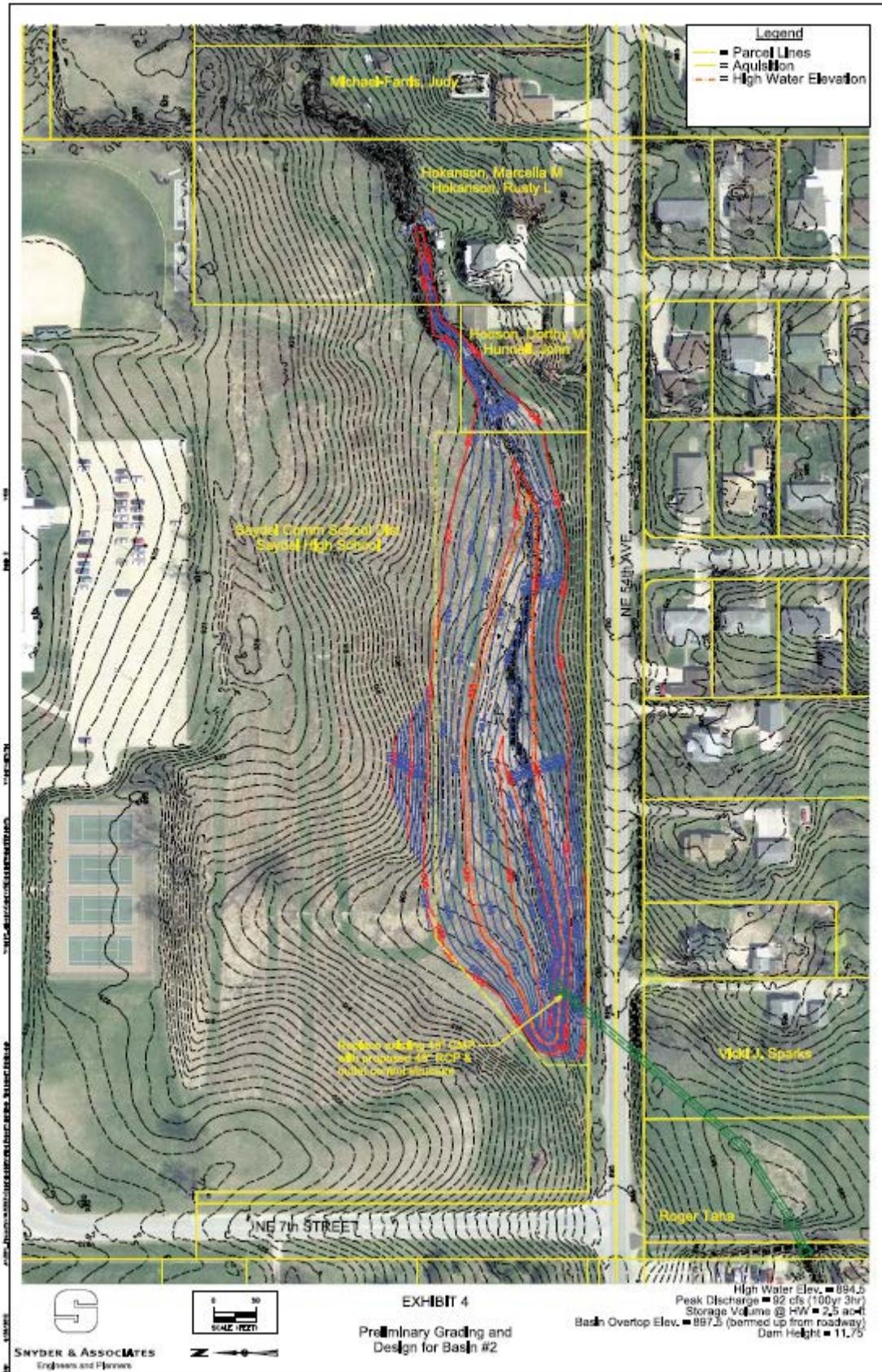


Figure 8: Preliminary Proposed Grading Plan for Basin 2a

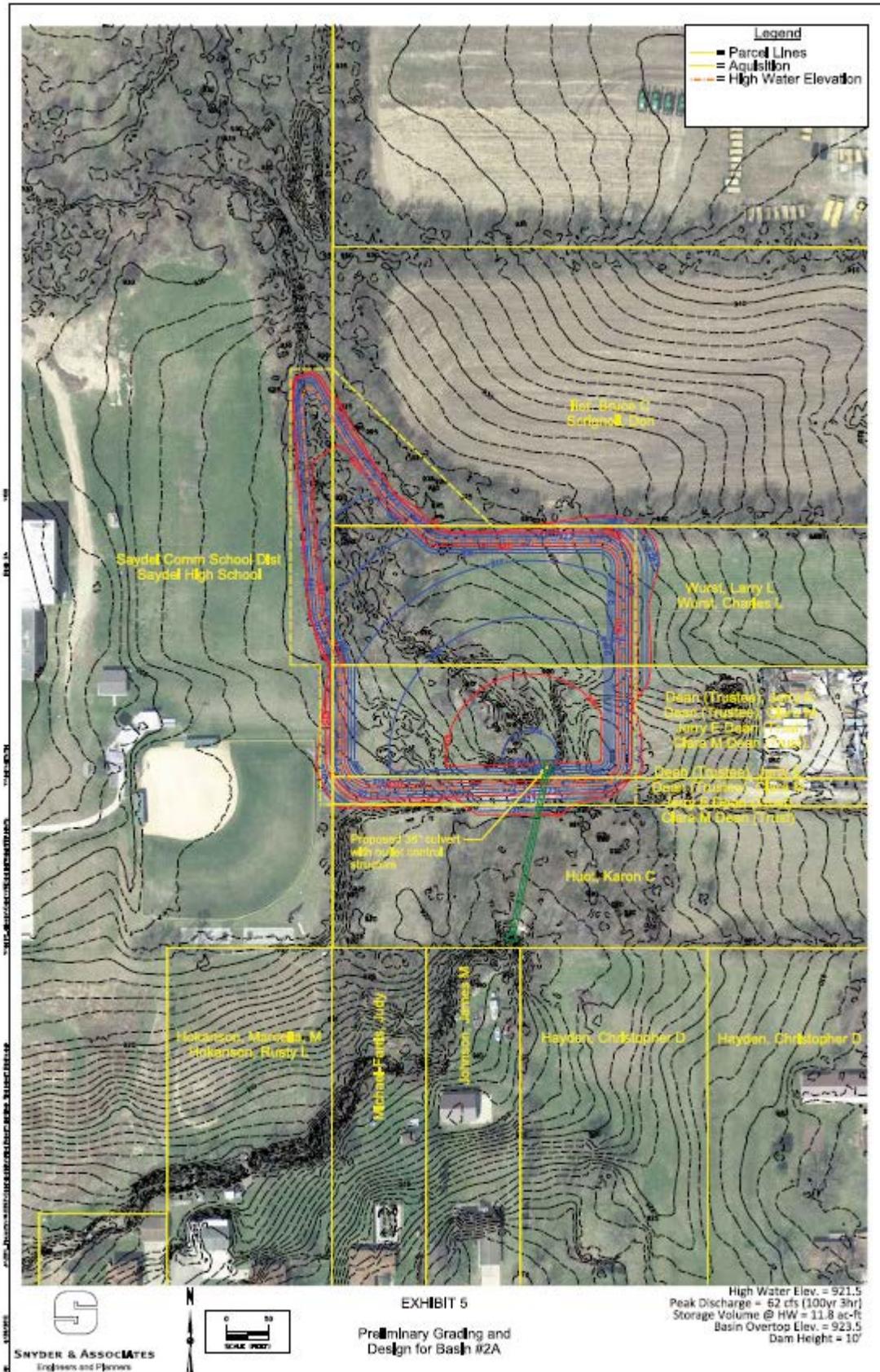


Figure 9: Preliminary Proposed Grading Plan for Basin 3

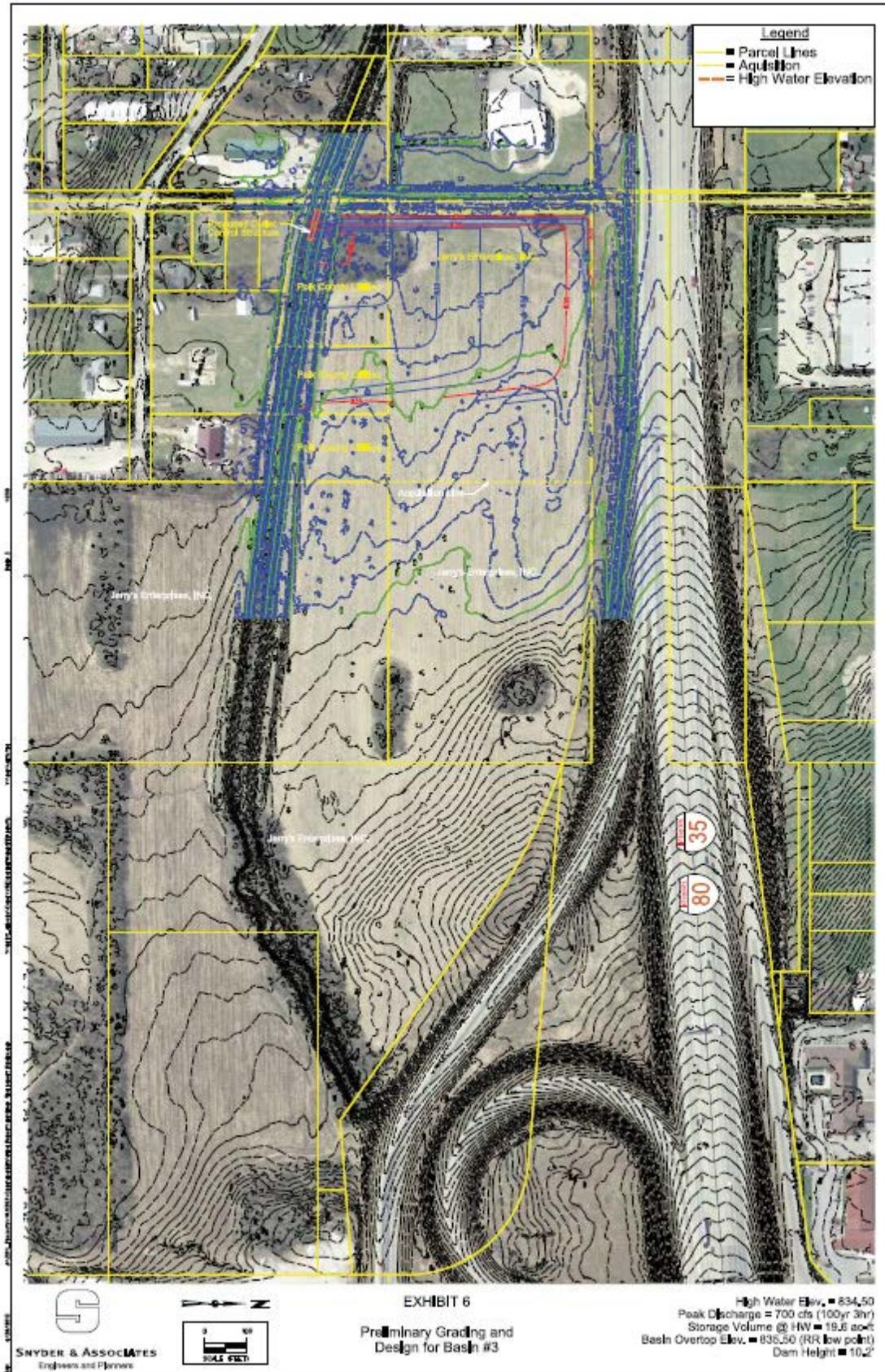


Figure 10: NRCS Soil Survey Map for Basin 1



Figure 12: NRCS Soil Survey Map for Basin 2a

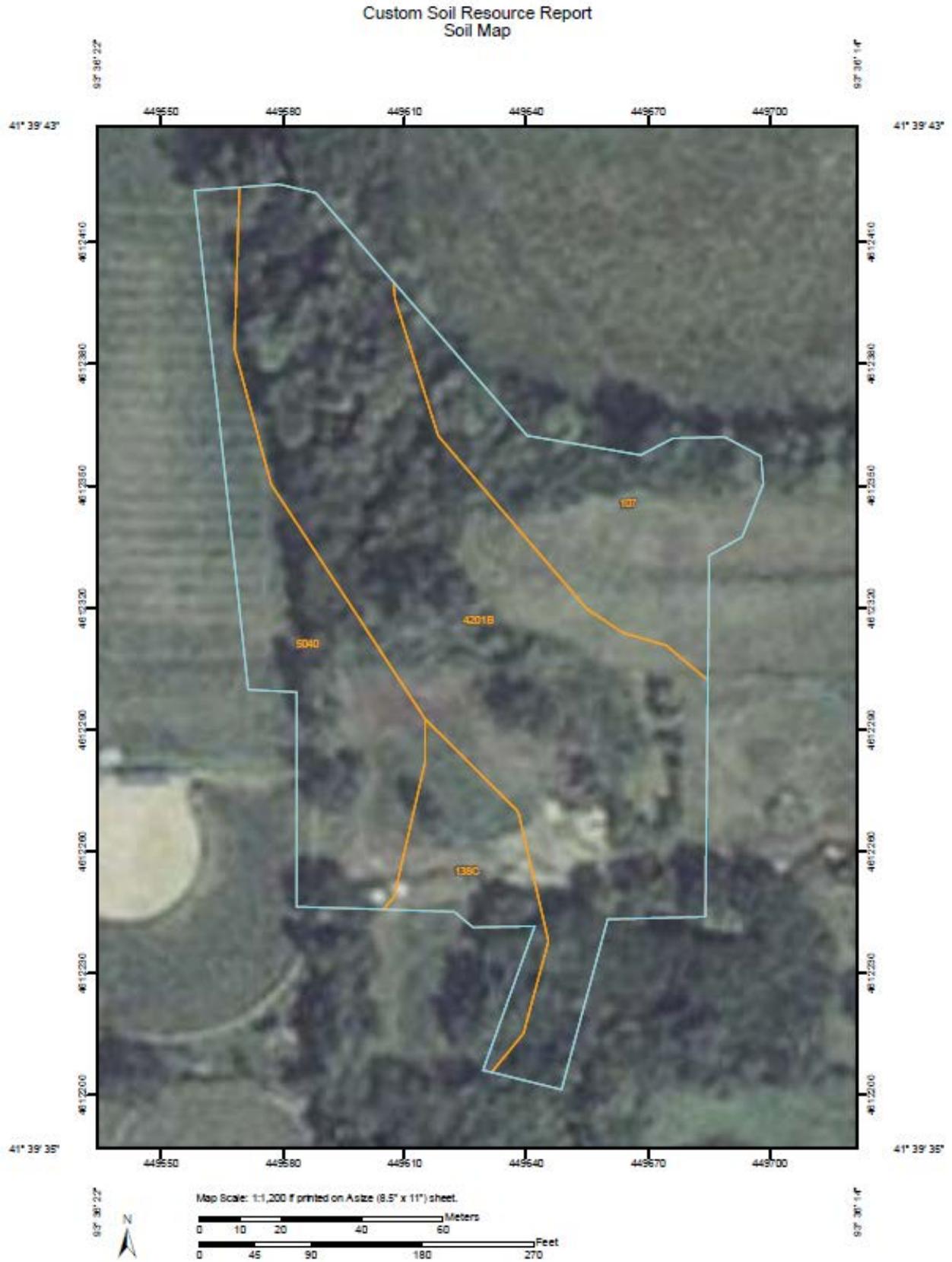


Figure 13: NRCS Soil Survey Map for Basin 3



Figure 14: NRCS Soil Survey Map for NE 7th Street Storm Sewer



Figure 15: National Wetland Inventory Map for Basin 1

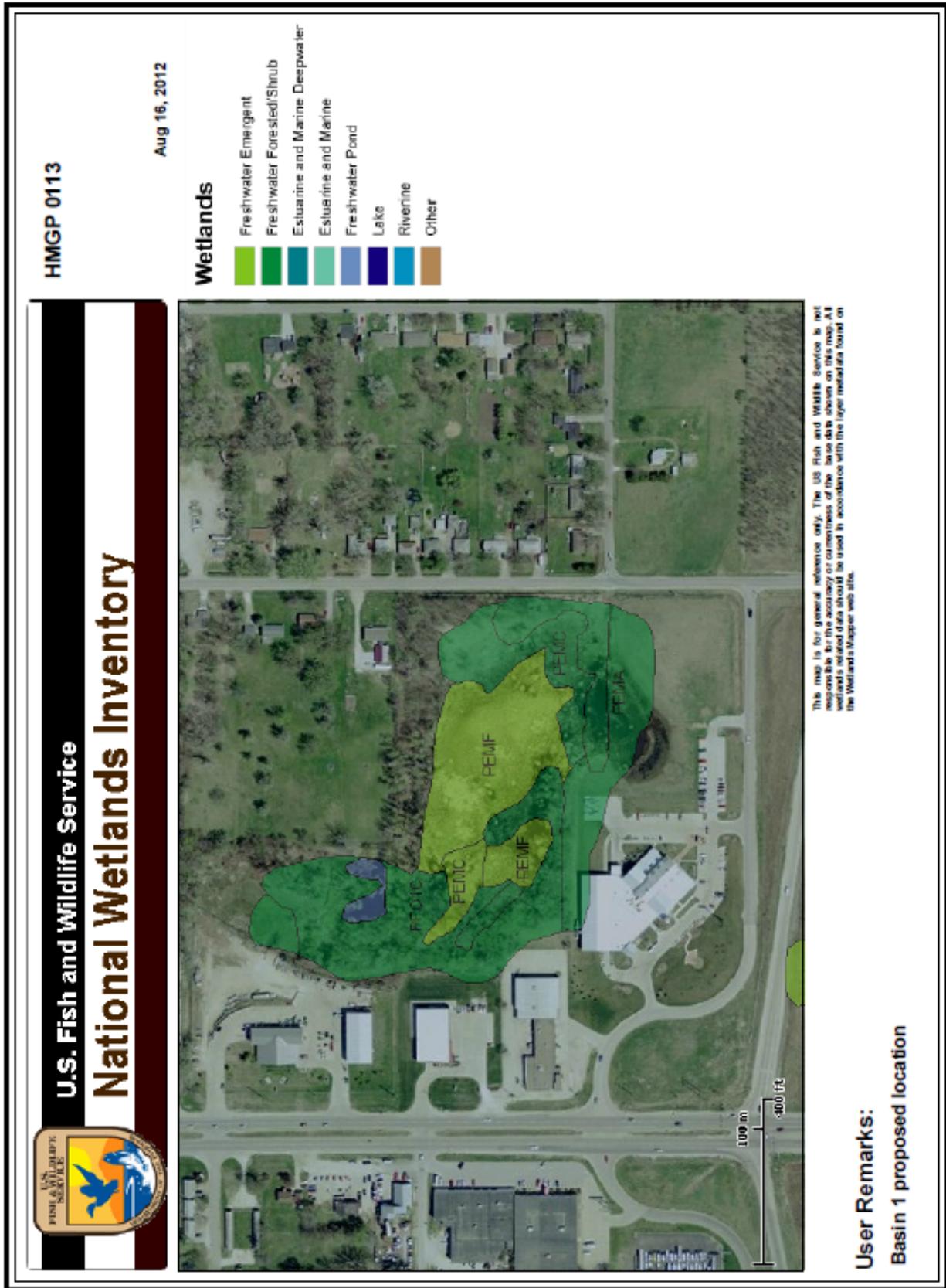


Figure 16: National Wetland Inventory Map for Basins 2 and 2a

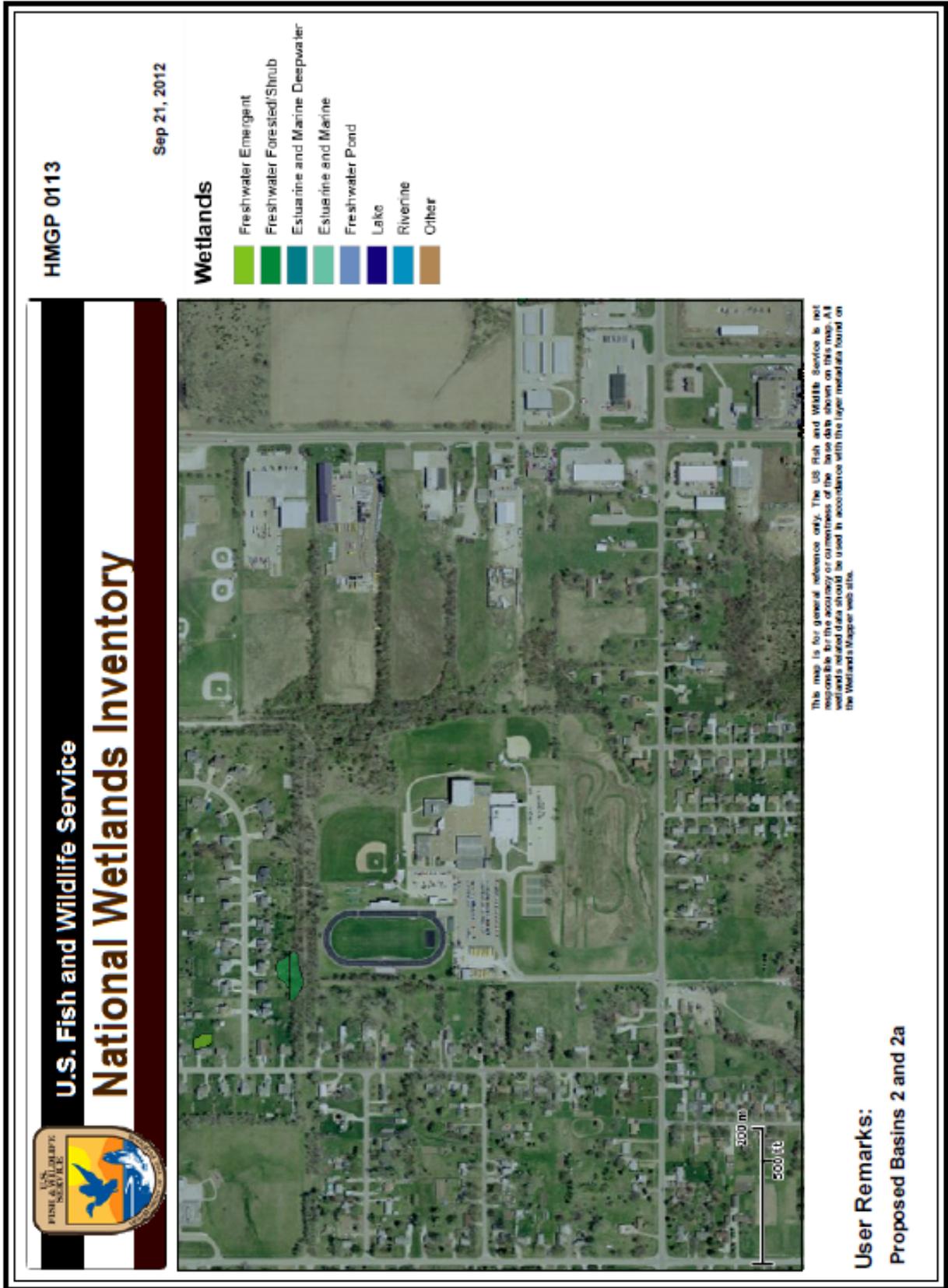


Figure 17: National Wetland Inventory Map for Basin 3

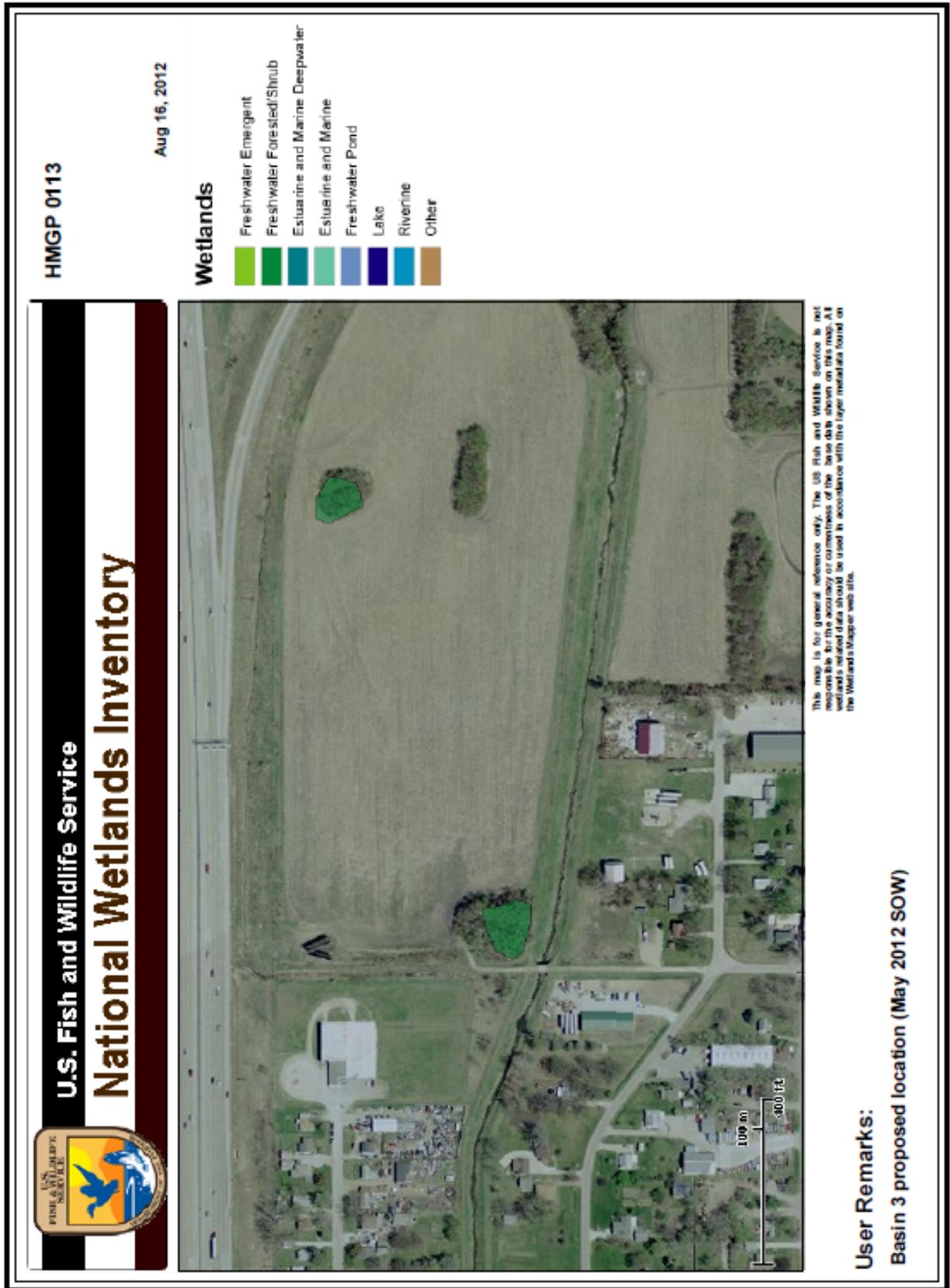


Figure 18: Flood Insurance Rate Map

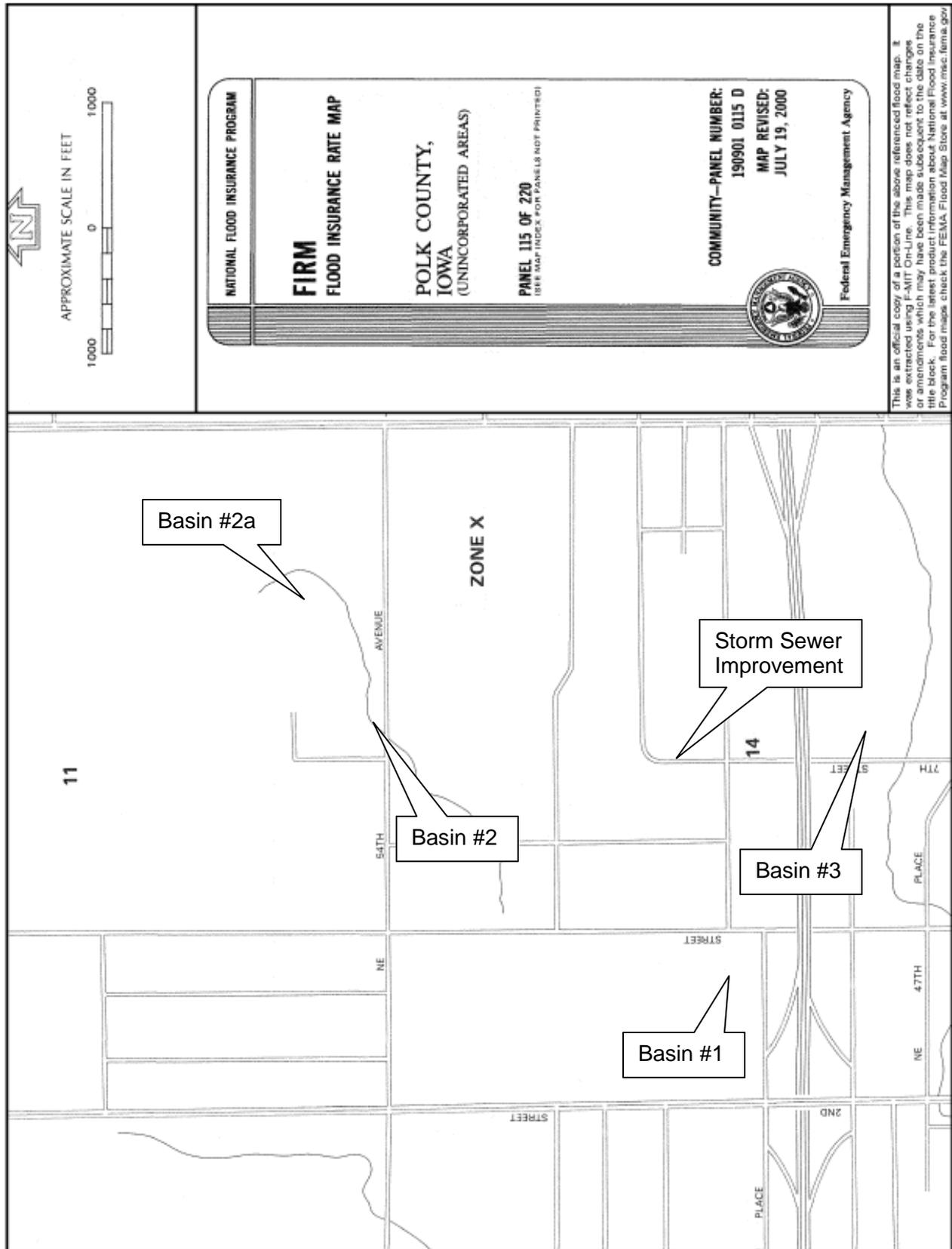


Figure 19: Location of Proposed Improvements in Relation to Floodplain

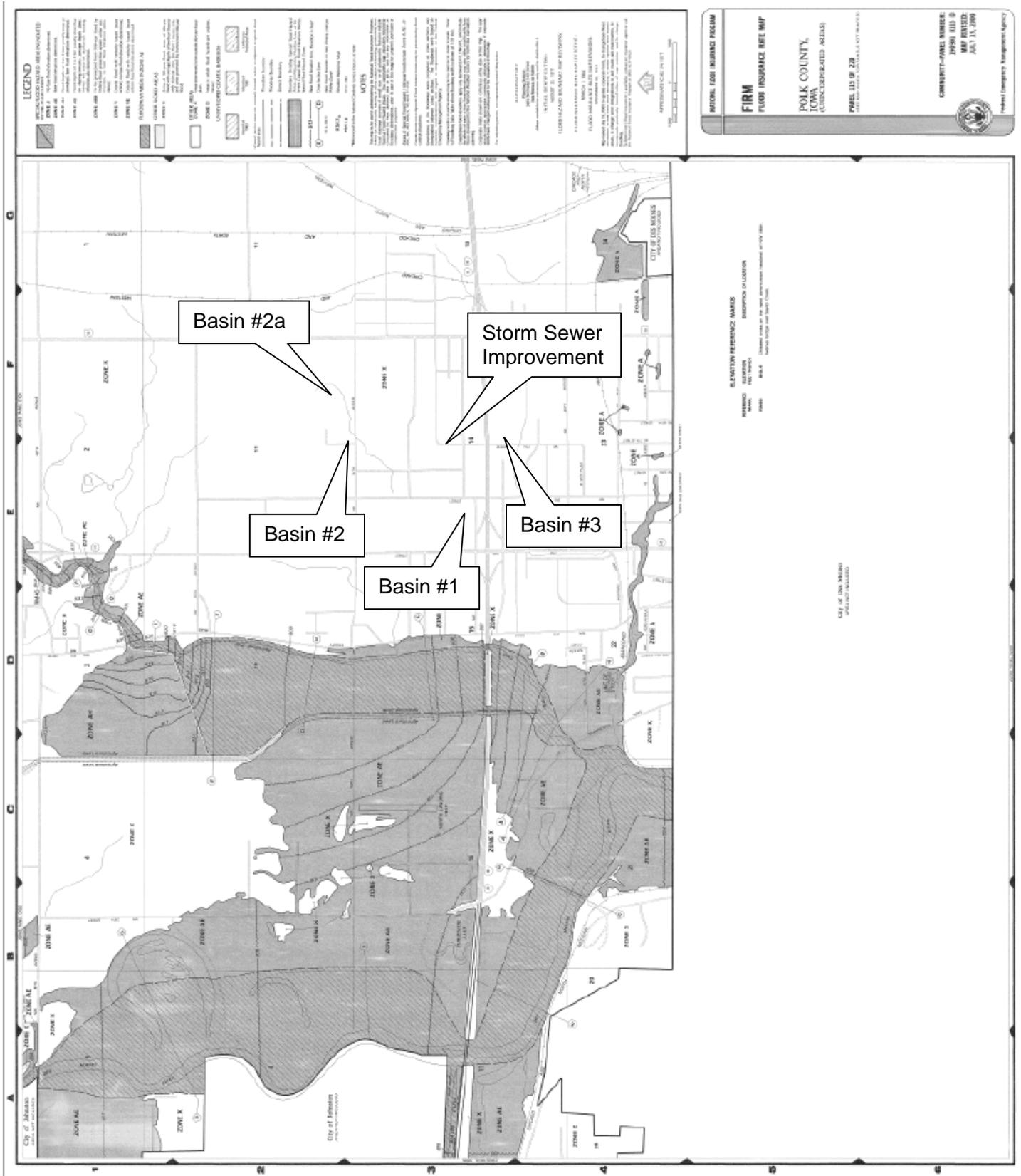
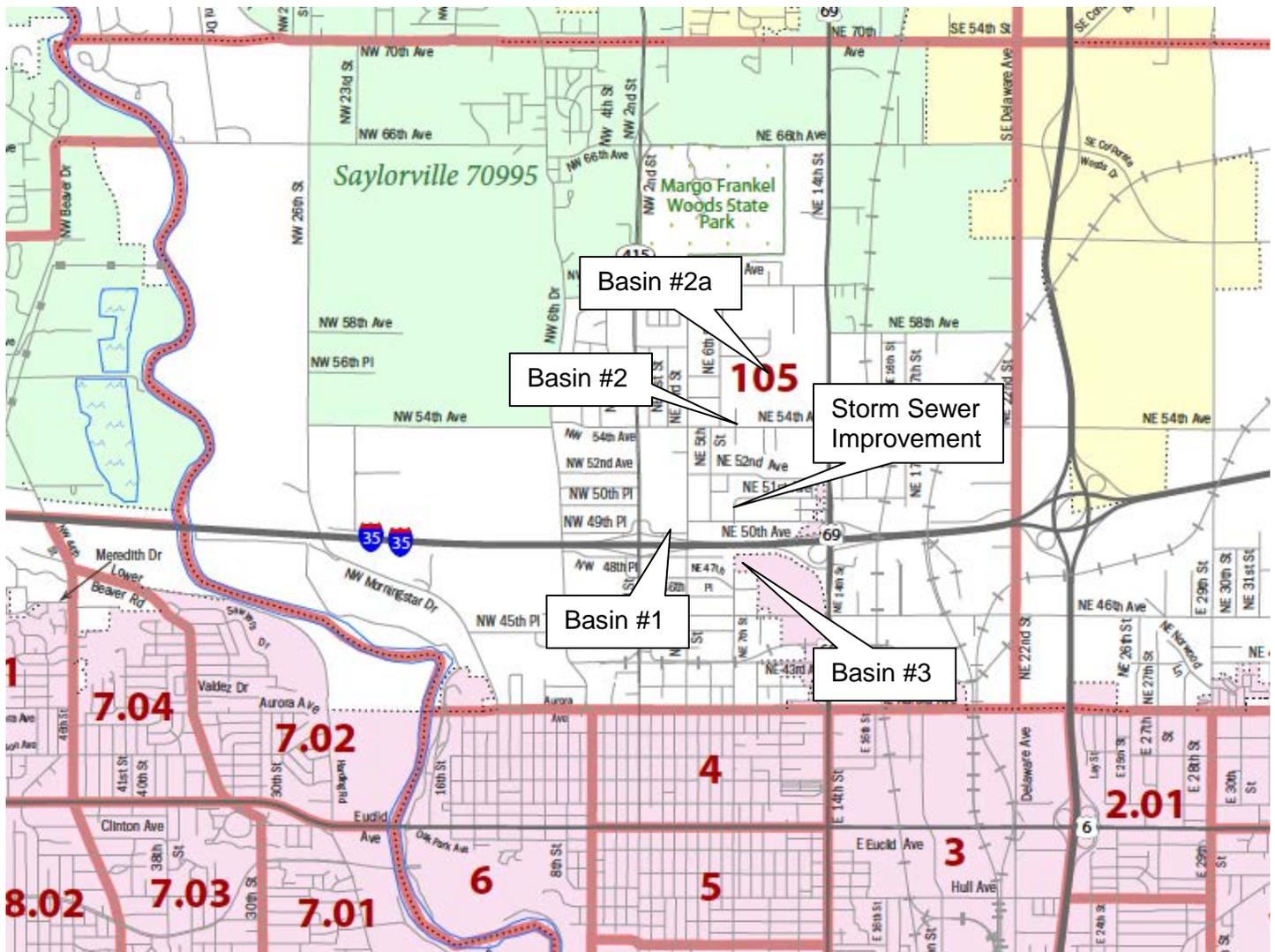
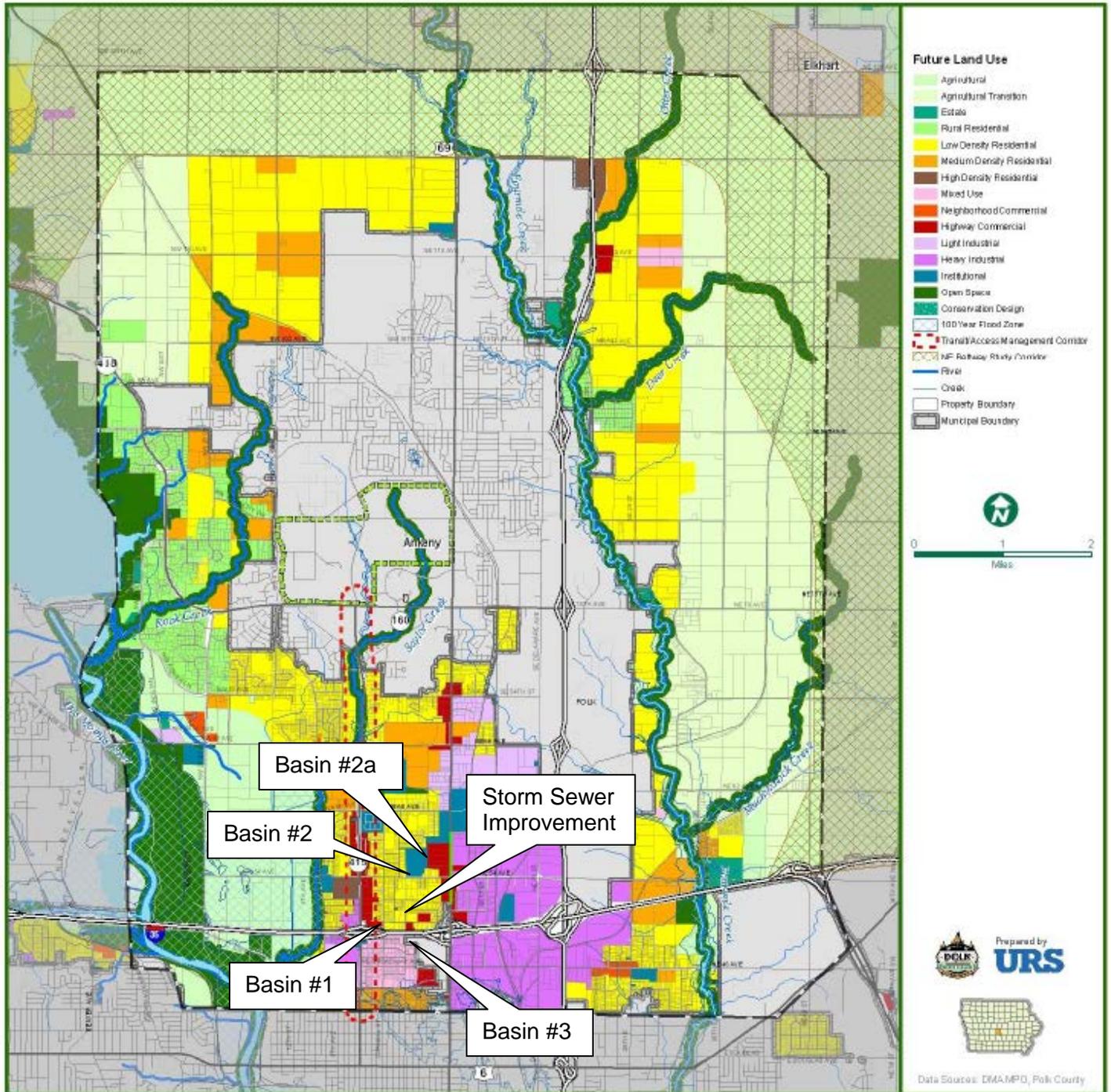


Figure 20: Excerpt of 2010 Census Tract Boundaries



Source: U.S. Census Bureau

Figure 21: Polk County Map of Future Land Uses



Source: Polk 2030, Polk County, IA Comprehensive Plan, North Central Area Plan

Figure 22: Summer 2011 Orthophoto



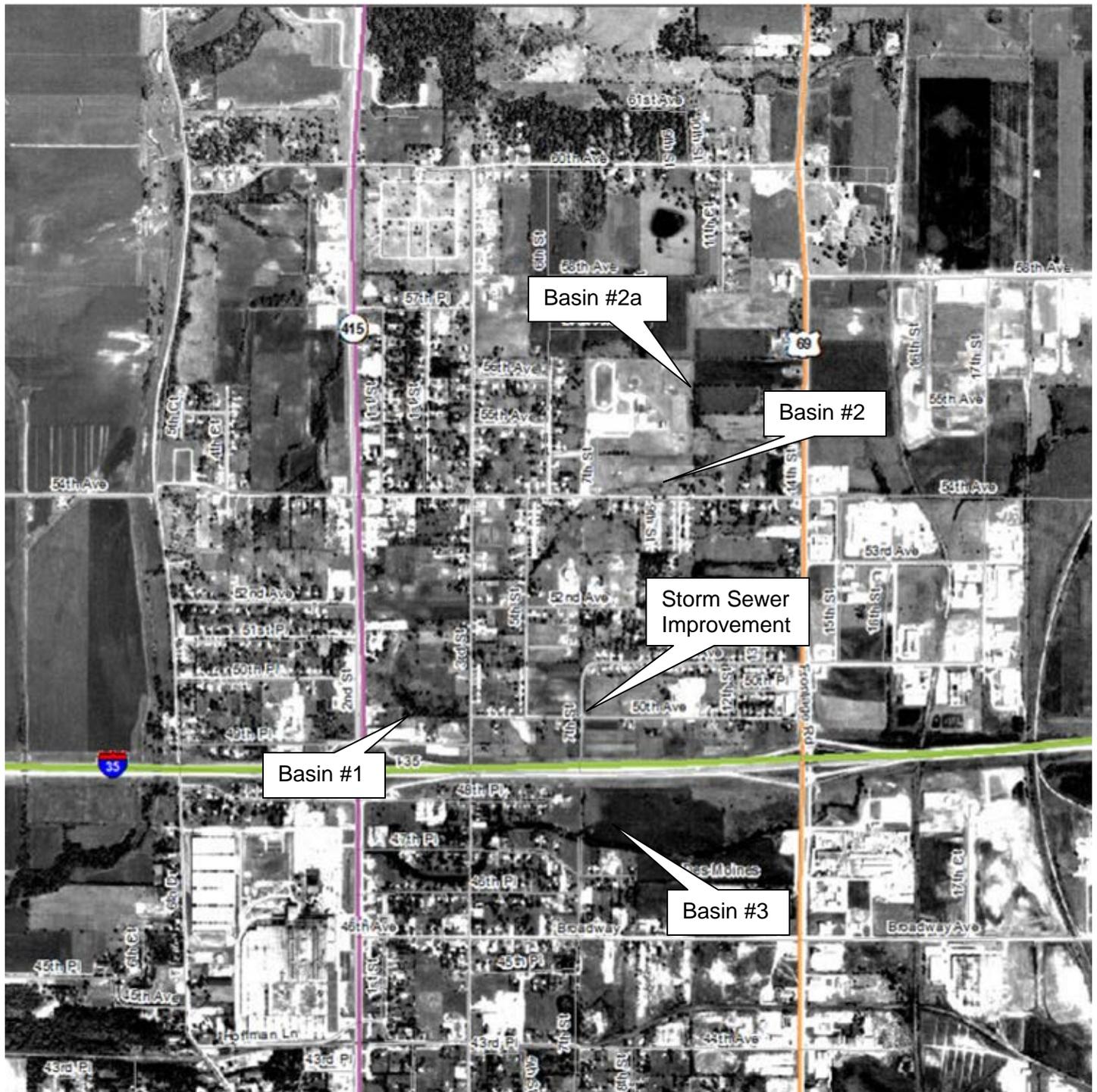
Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved September 28, 2012

Figure 23: 1990s U.S. Geological Survey Orthophoto



Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved September 28, 2012

Figure 24: 1970s U.S. Department of Agriculture Aerial Photo



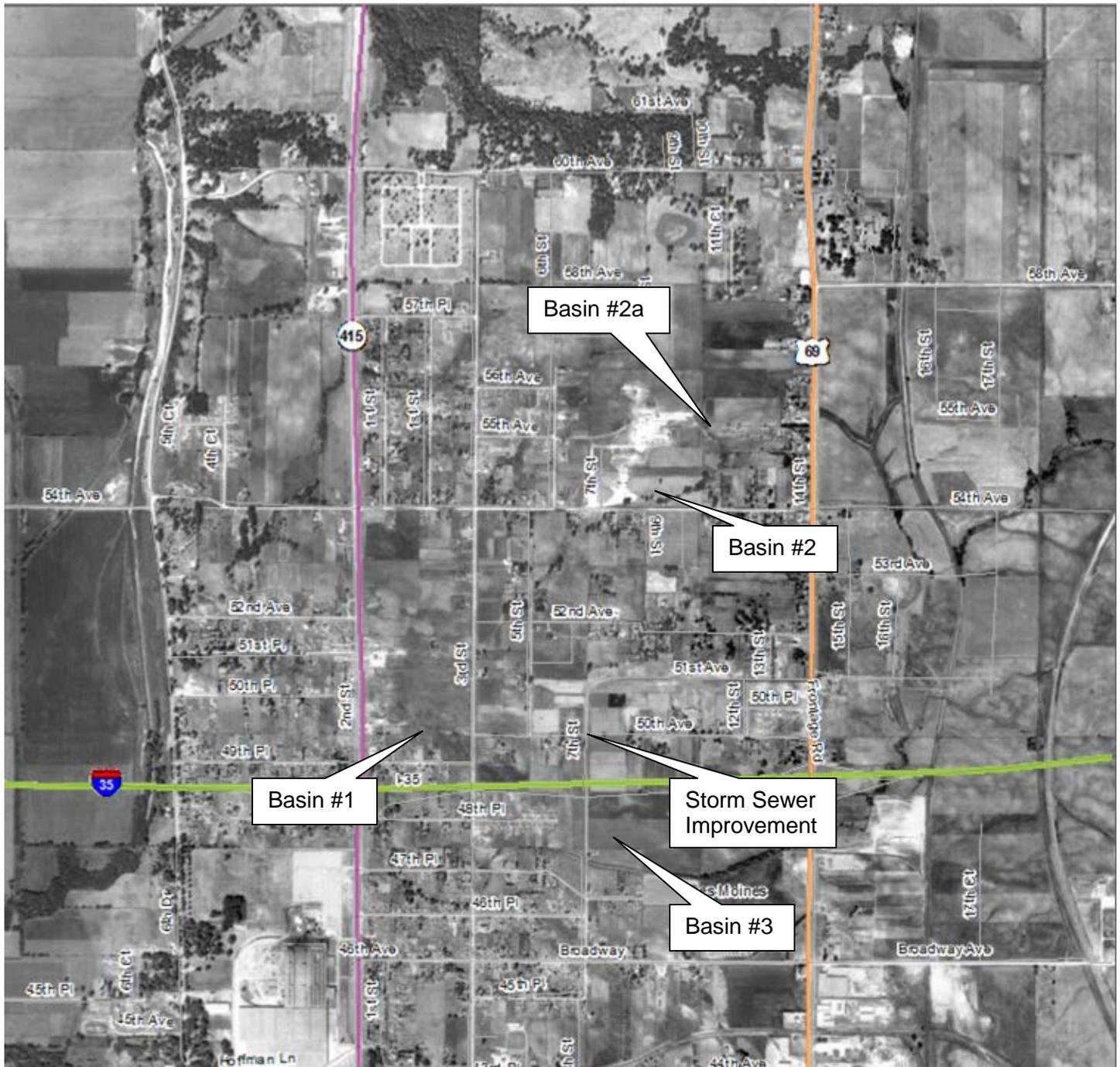
Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved September 28, 2012

Figure 25: 1960s U.S. Department of Agriculture Aerial Photo



Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved September 28, 2012

Figure 26: 1950s U.S. Department of Agriculture Aerial Photo



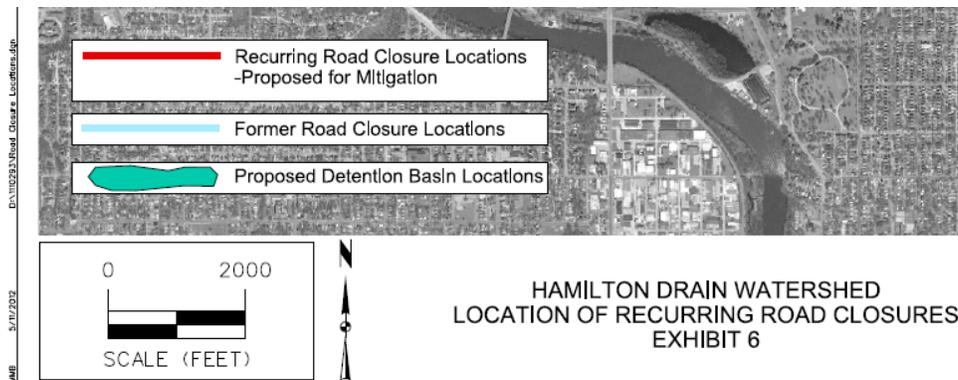
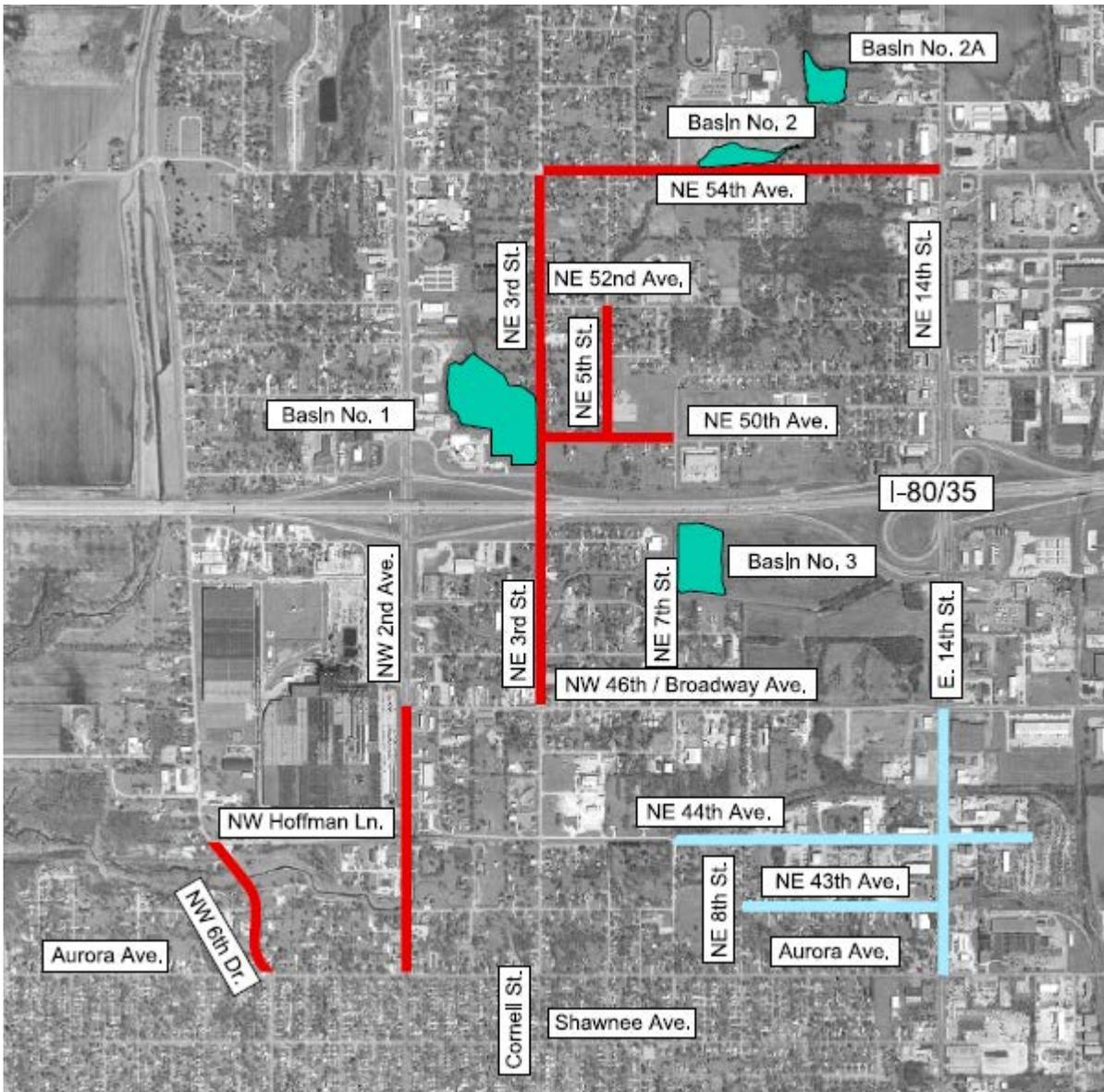
Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved September 28, 2012

Figure 27: 1-meter LiDAR Image



Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Geographic Map Server, 1999-2012, Online; <http://ortho.gis.iastate.edu/>, Retrieved October 1, 2012

Figure 29: Excerpt of Map of Recurring Road Closures due to Flooding



Source: Snyder & Associates, Polk County