

Appendix A

Maps

Map 1

Holland Charter Township Future Land Use Map

Legend

Future Land Use Categories

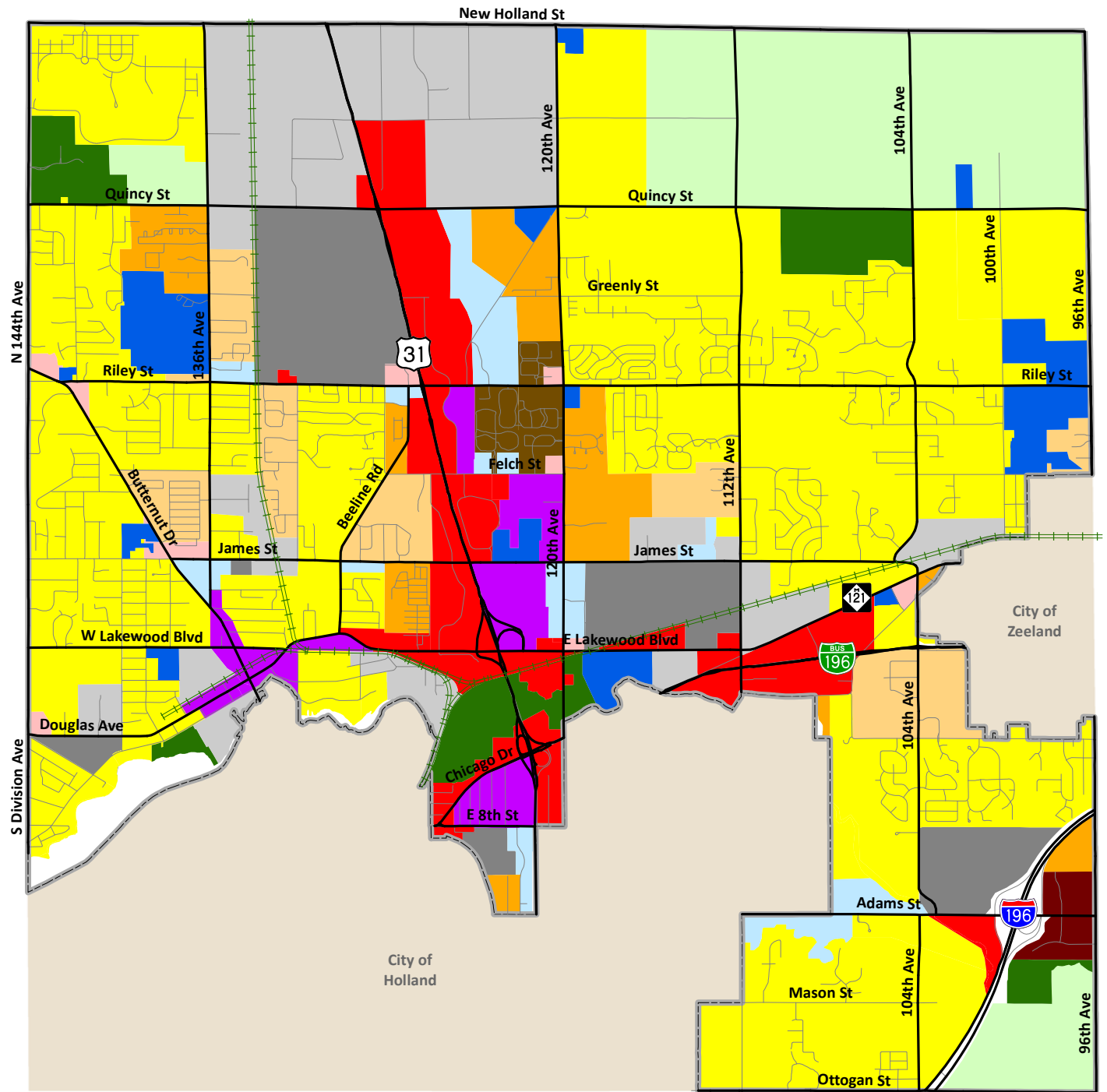
- Mixed Use
- Agriculture
- Parkland / Open Space
- Low Density Residential
- Moderate Density Residential
- Medium Density Residential
- High Density Residential
- Office
- Neighborhood Commercial
- Community Commercial
- Highway Service Commercial
- Light Industrial
- General Industrial
- Public/Quasi-Public

Other Map Items

- Township Boundary
- Roads
- Railroad




Holland Charter Township
Community Development Department
5/27/2015
Data Sources:
Holland Charter Township
Ottawa County GIS






Map 2 Holland Charter Township Elevation Map

Legend

Elevation Contours

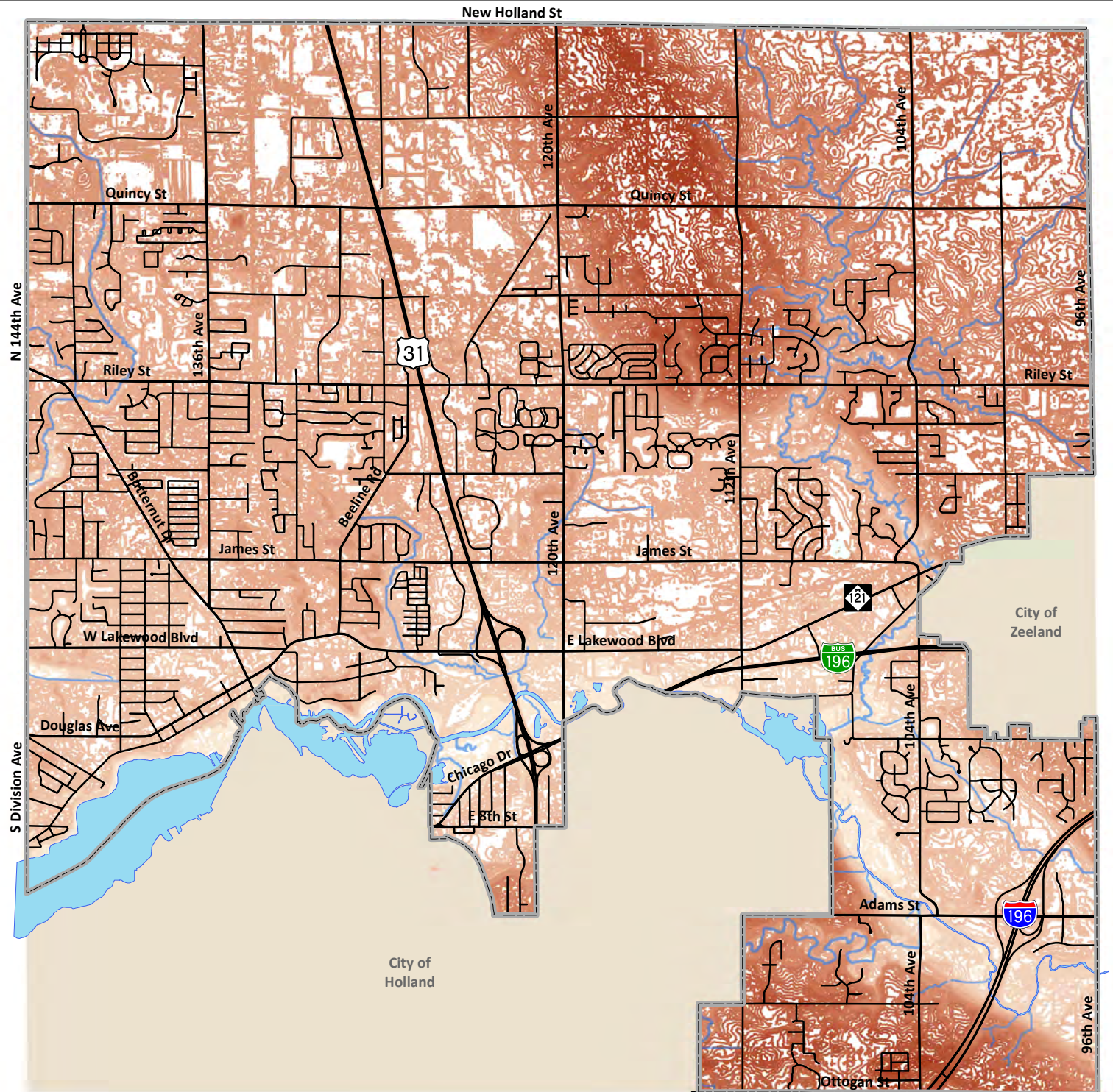
-  578 - 590 Feet
-  592 - 600 Feet
-  602 - 610 Feet
-  612 - 620 Feet
-  622 - 632 Feet
-  634 - 644 Feet
-  646 - 654 Feet
-  656 - 664 Feet
-  666 - 676 Feet
-  678 - 694 Feet

Other Map Items

-  Township Boundary
-  Roads
-  Water Features









Holland Charter Township
Community Development Department
06/17/2014
Data Sources:
Ottawa County GIS



Map 3 Holland Charter Township Floodplain Map

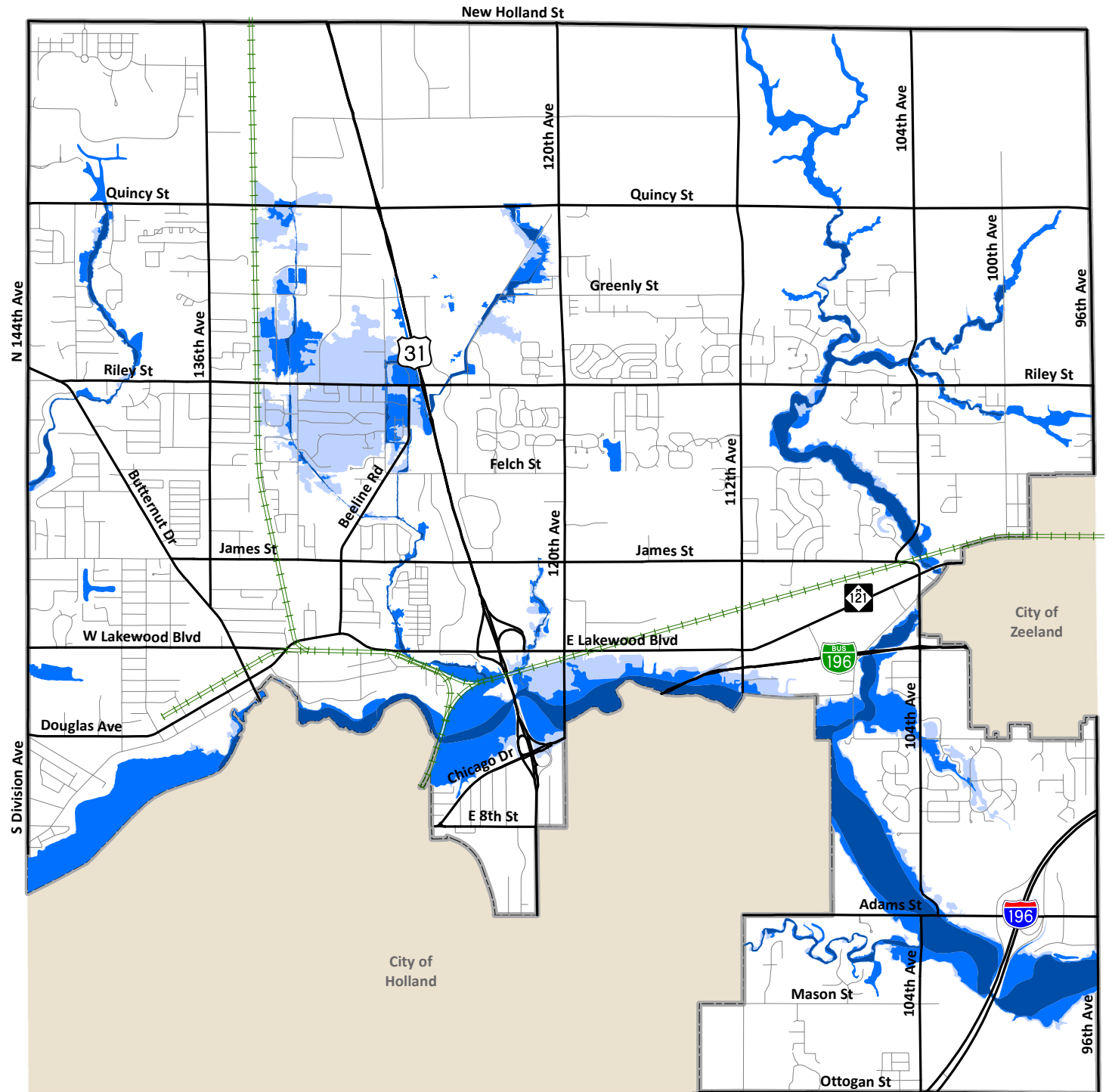
Legend

-  Floodway
-  100-yr Floodplain
(1% Chance Annual Flood)
-  500-yr Floodplain
(.2% Chance Annual Flood)
-  Roads
-  Railroad
-  Township Boundary

NOTE: On December 16, 2011, Holland Charter Township adopted the floodplain districts shown on this map. These districts were determined by the Federal Emergency Management Agency (FEMA).



Holland Charter Township
Community Development Department
02/25/2014
Data Sources:
FEMA
Holland Charter Township
Ottawa County GIS



Map 4 Holland Charter Township Soil Types

Legend

Soil Type

- Clay
- Loam
- Loamy-Sand
- Sandy-Loam
- Sand

Misc Soil Classes

- Made Land
- Sewage Lagoon
- Marsh
- Water
- Wind Eroded Land
- Udipsamments
- Blown Out Land

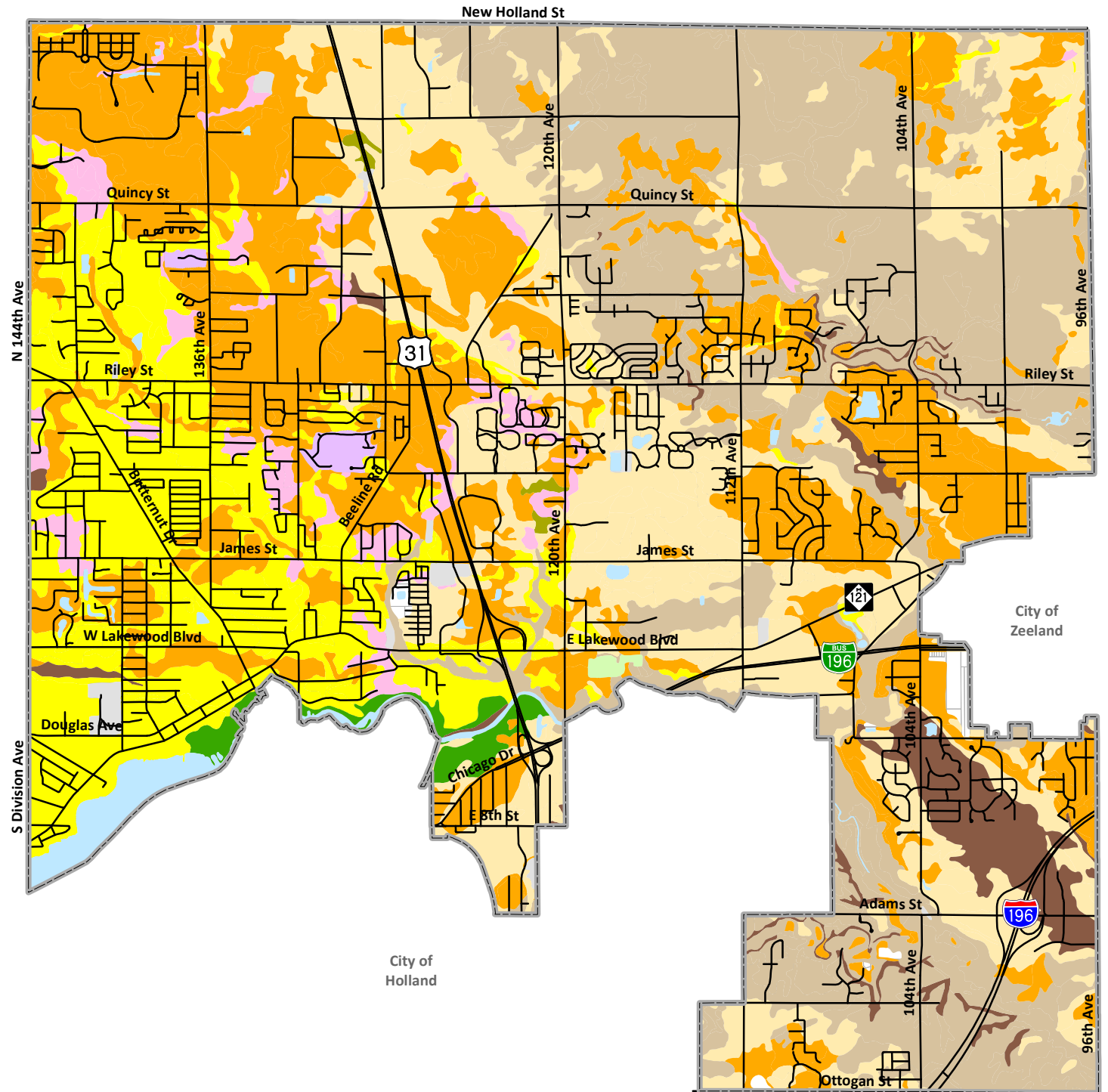
Other Map Items

- Township Boundary
- Roads



Holland Charter Township
Community Development Department
06/03/2014

Data Sources:
US Dept. of Agriculture
Natural Resources Conservation Service
Ottawa County Soil Survey 1972
Ottawa County GIS



Map 5

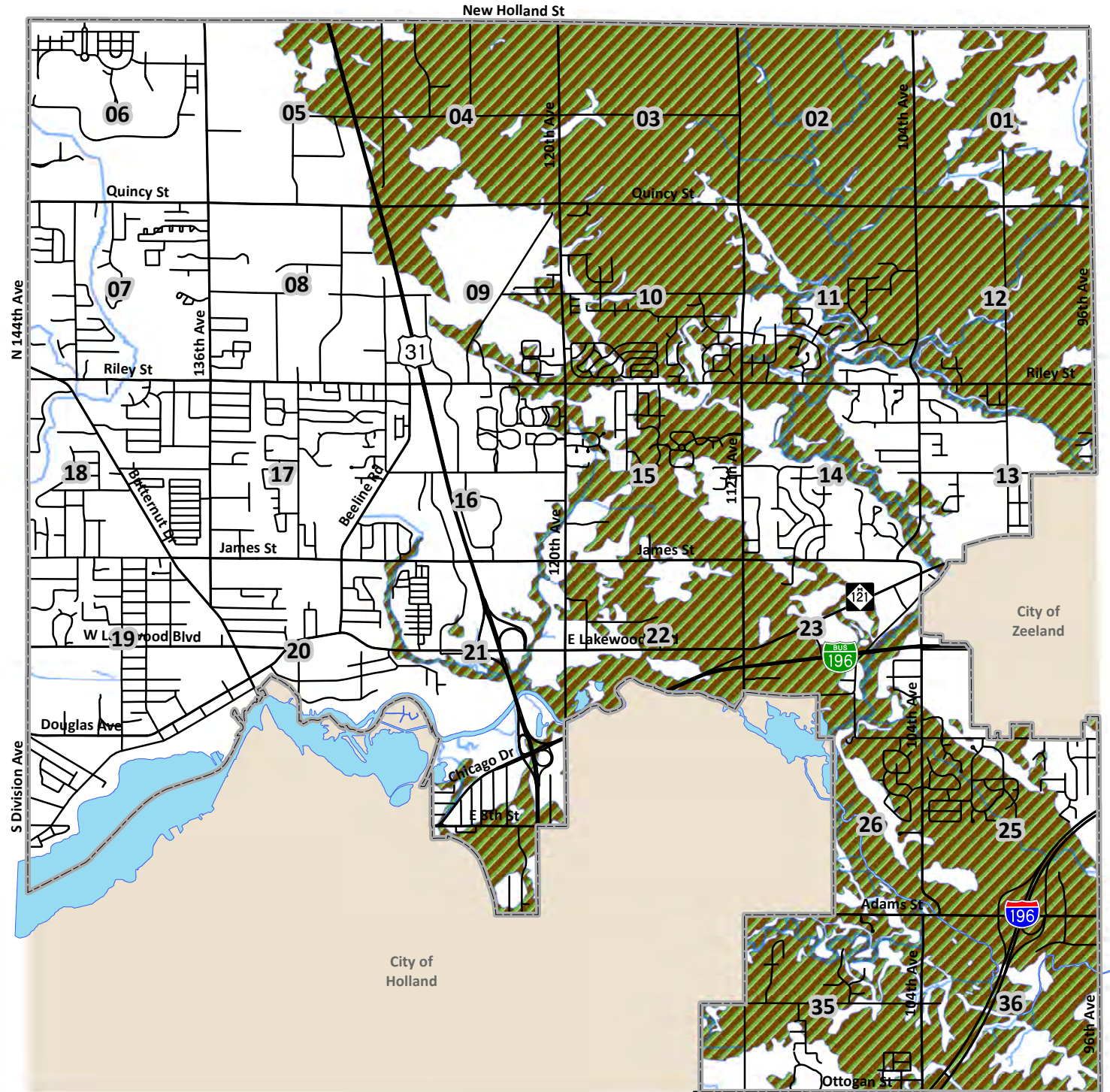
Holland Charter Township Prime Agricultural Soils

Legend

- Roads
- Township Boundary
- Water Features
- Prime Agricultural Soils
- 01 Section Numbers



Holland Charter Township
Community Development Department
04/12/2013
Data Sources:
US Dept. of Agriculture
Natural Resources Conservation Service
Ottawa County Soil Survey 1972
Ottawa County GIS



Map 6




Holland Charter Township Wetland Inventory Map

Legend

Wetland Category

-  Soil Areas Which Include Wetland Soils
-  Wetlands Based on National Wetlands Inventory (NWI) and Land Cover Data
-  Combination of Wetland Soils, NWI, and MIRIS

Other Map Items

-  Roads
-  Township Boundary
-  Water Features

NOTE: This Wetland Inventory Map is intended to be used as one tool to assist in identifying wetlands and provides only potential and approximate locations of wetlands and wetland conditions. The map was produced from the following data obtained from other agencies or organizations:

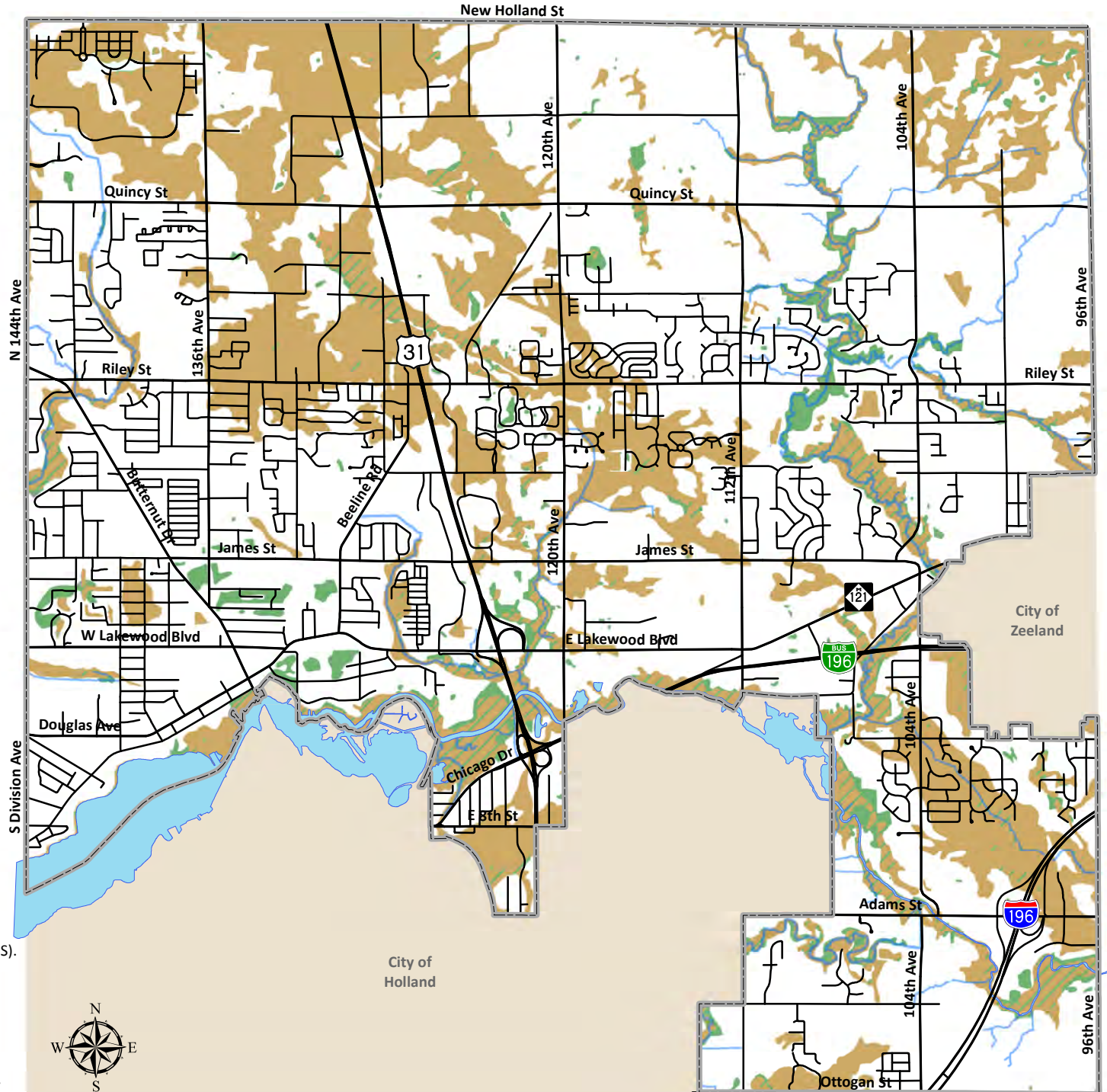
1. The National Wetland Inventory (NWI) conducted by the United States Fish and Wildlife Service through interpretation of aerial photos and topographic data.
2. Land Cover as mapped by the Michigan Resource Inventory System (MIRIS), Michigan Department of Natural Resources, through interpretation of aerial photographs.
3. Soils as mapped by the United States Dept. of Agriculture, Natural Resource Conservation Service (NRCS).

Holland Charter Township
Community Development Department

01/08/2015

Data Sources:

Michigan Department of Environmental Quality
Ottawa County GIS



Map 7

Holland Charter Township Traffic Volumes

Based on 2013 National Functional
Road Classification (NFC)

Legend

--- Railroad

NFC

--- Local/Unclassified Road

== Interstate

— Principal Arterial (other)

— Minor Arterial

— Collector

Traffic Volumes (2013)

● 250 - 3000

● 3001 - 6000

● 6001 - 10000

● 10001 - 15000

● 15001 - 23000

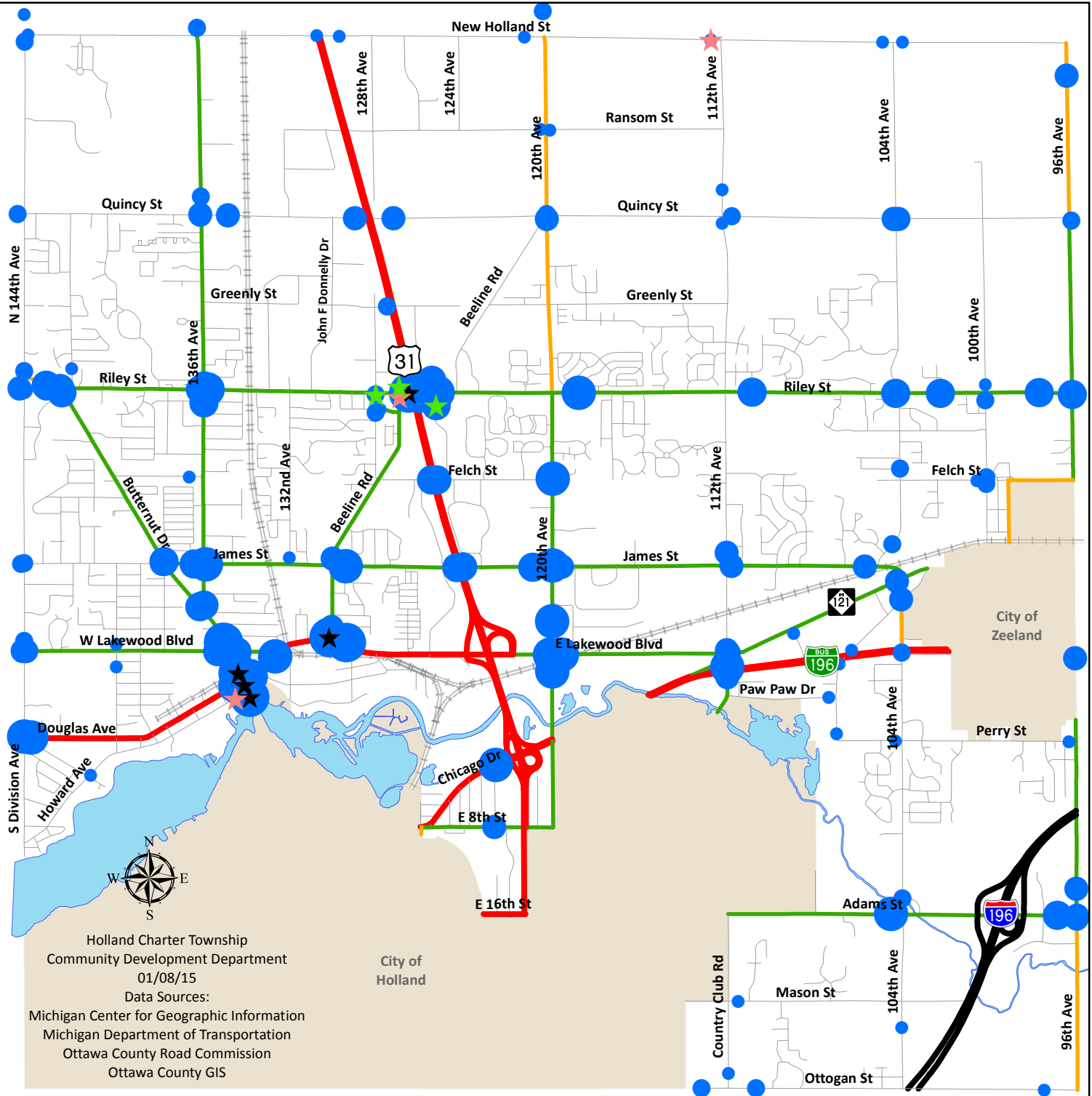
● 23001 - 35000

★ Top 5 Traffic Volumes

★ Top 3 Increasing Traffic Volumes
over a ten year period (2003-2013)

★ Top 3 Decreasing Traffic Volumes
over a ten year period (2003-2013)

NOTE: The traffic volumes ranking above
does not include US-31, I-196, BL 196, or M-121









Holland Charter Township
Community Development Department
01/08/15
Data Sources:
Michigan Center for Geographic Information
Michigan Department of Transportation
Ottawa County Road Commission
Ottawa County GIS

Map 8

Holland Charter Township Road Classification

Based on 2013 National Functional
Road Classification (NFC)

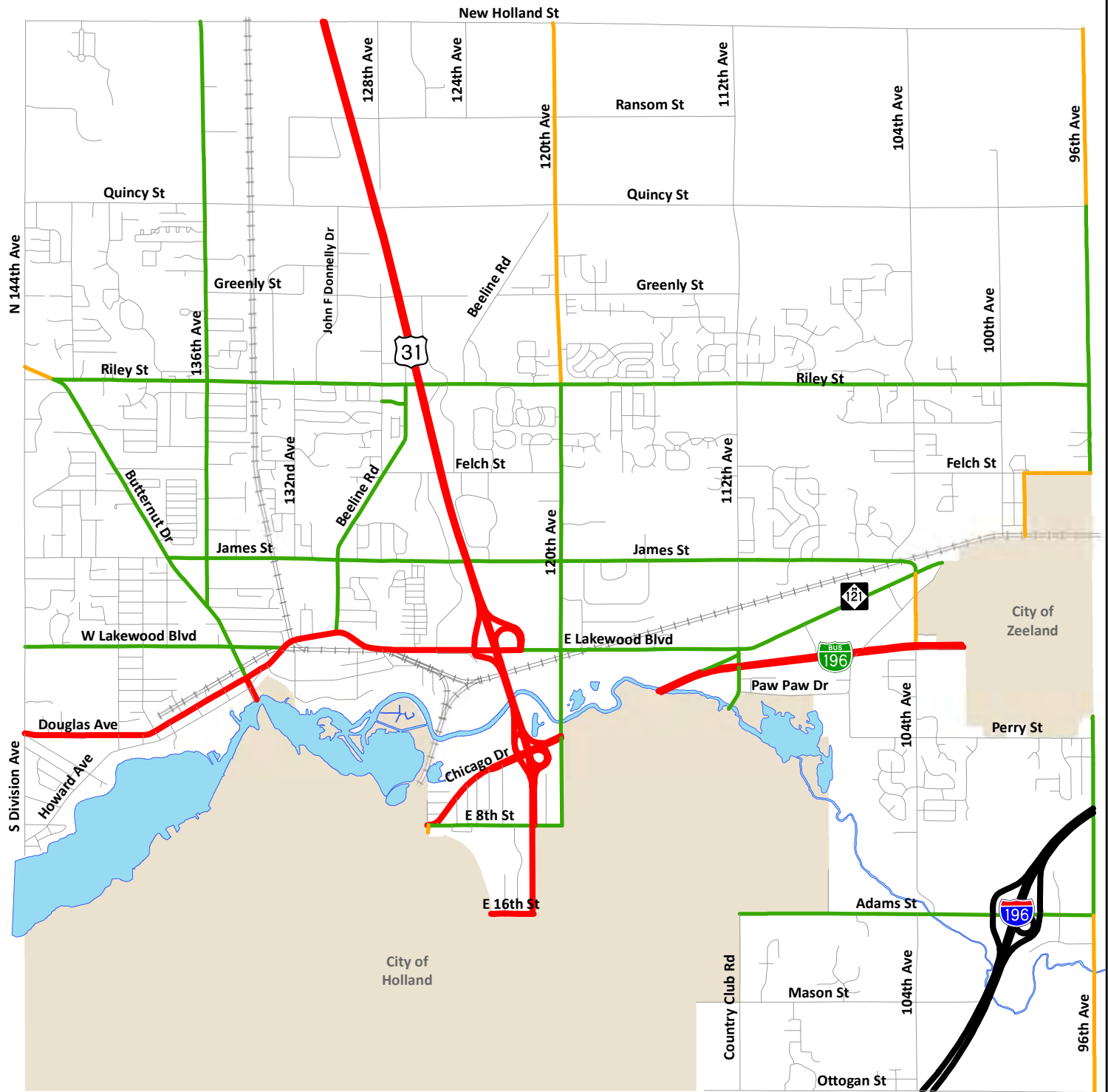
Legend

 Railroad
 Local/Unclassified
 Interstate
 Principal Arterial (other)
 Arterial
 Collector



Holland Charter Township
Community Development Department
01/08/2015

Data Sources:
Michigan Center for Geographic Information
Michigan Department of Transportation
Ottawa County GIS



Map 9

Holland Charter Township Bike Path Plan

Legend

- Existing Paths
- Planned Paths
- - - Planned Paved Shoulders
- Future Paths
- - - Future Paved Shoulders
- Roads
- - - Railroad
- █ Water Features
- █ Township Boundary

Existing Paths:
Paths that have already been constructed.

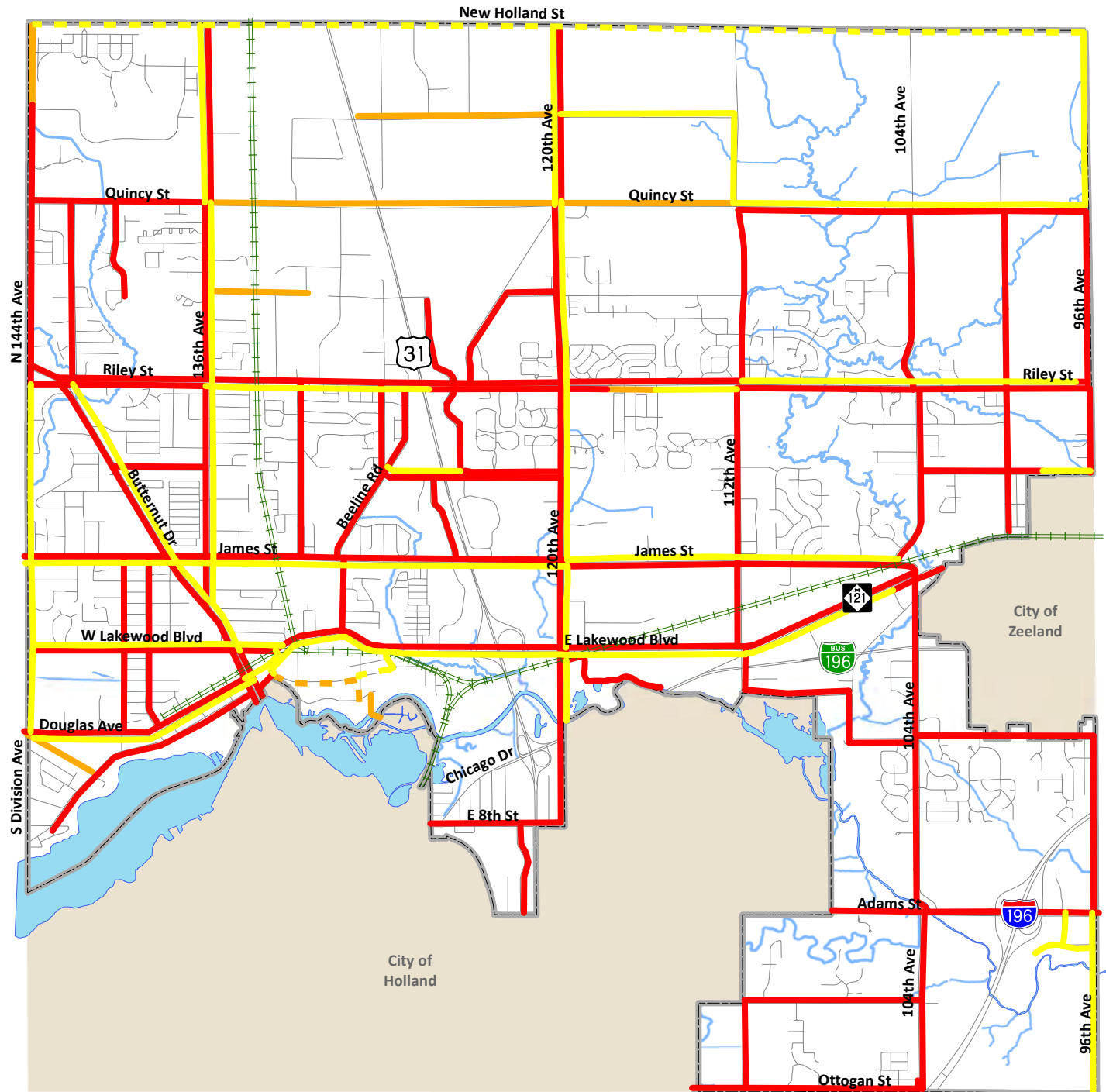
Planned Paths:
Paths that have not yet been constructed, but are included in the Capital Improvement Plan.

Future Paths:
Paths that are under consideration for future construction. No funding has been allocated for these paths.



Holland Charter Township
Community Development Department
08/11/2014

Data Sources:
Holland Charter Township
Ottawa County GIS



Map 10

Holland Charter Township Potential Gateway Locations

Legend

Gateway Type

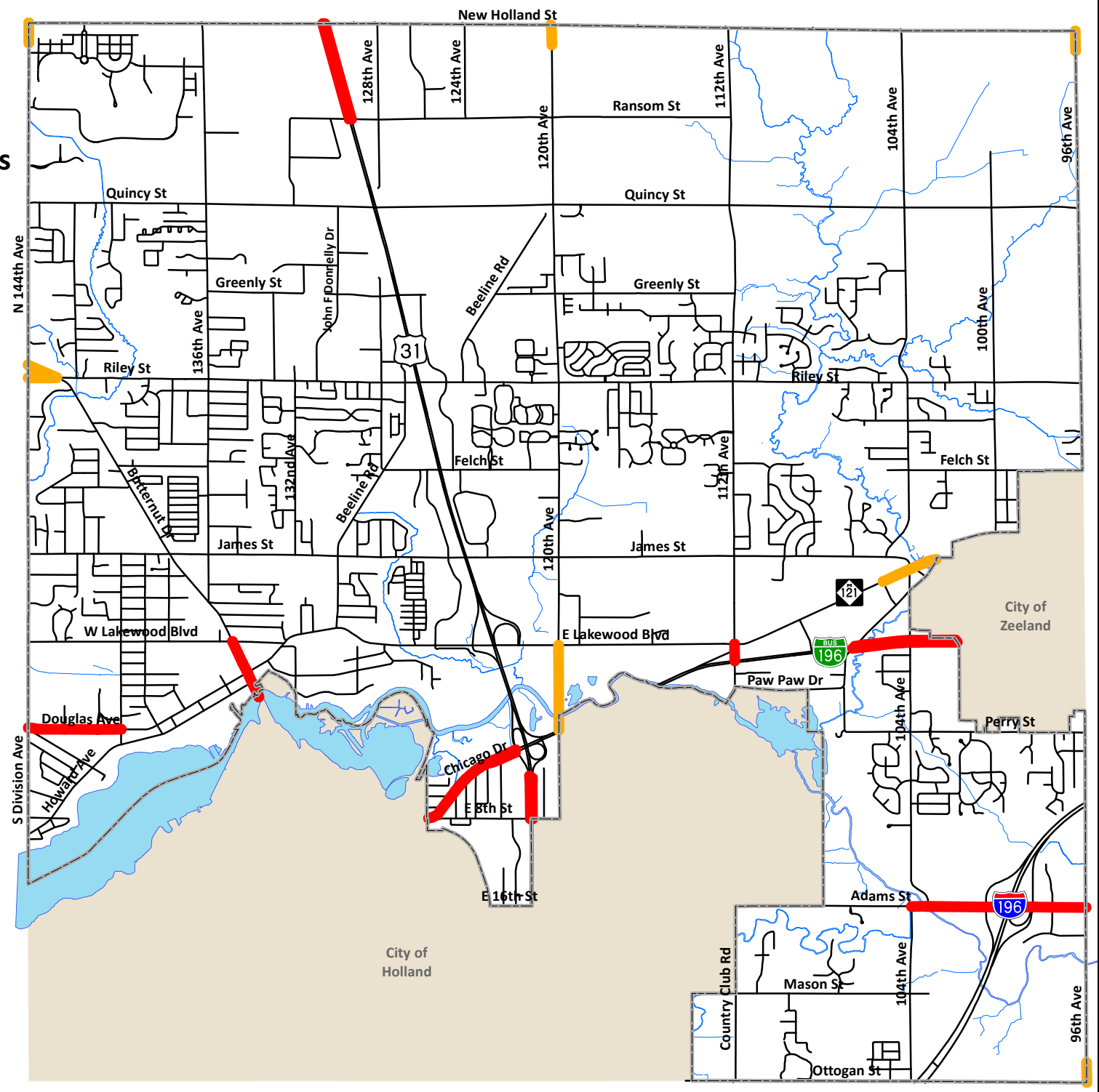
- Primary
- Secondary

Other Map Items

- Township Boundary
- Roads
- Water Features



Holland Charter Township
Community Development Department
06/19/2014
Data Sources:
Holland Charter Township
Ottawa County GIS



Map 11 Holland Charter Township Water Service Area*

Legend

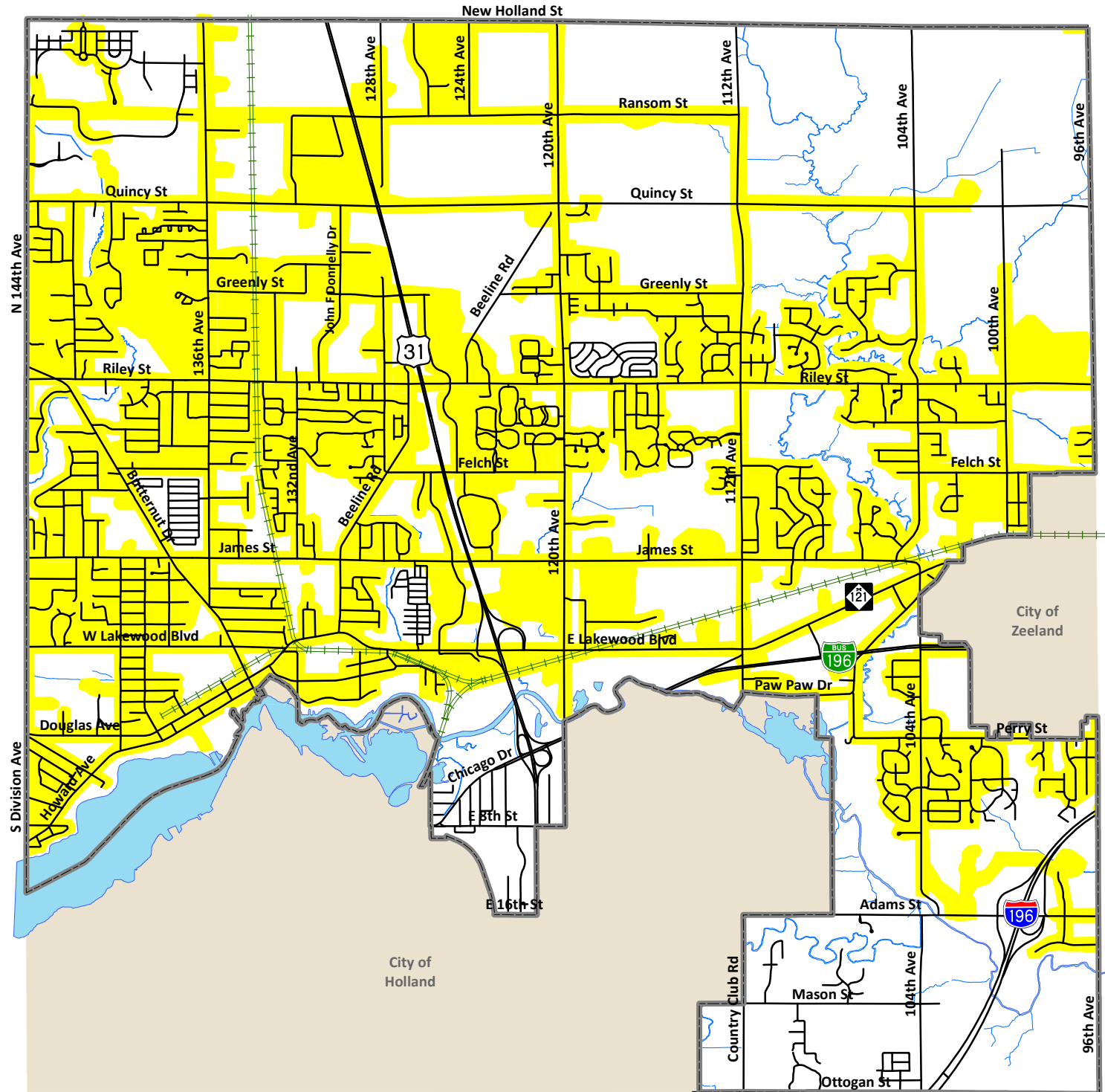
- Water Service Area
- Township Boundary
- Roads
- Railroad
- Water Features

*NOTE: The location of the Water Service Area displayed on this map is approximate and should not be used to determine the precise location or availability of such utilities. This map is for reference purposes only.



Holland Charter Township
Community Development Department
01/07/2014






Data Sources:
Holland Charter Township
Water and Sewer Department
Ottawa County GIS



Map 12

Holland Charter Township Sanitary Sewer Service Area*

Legend

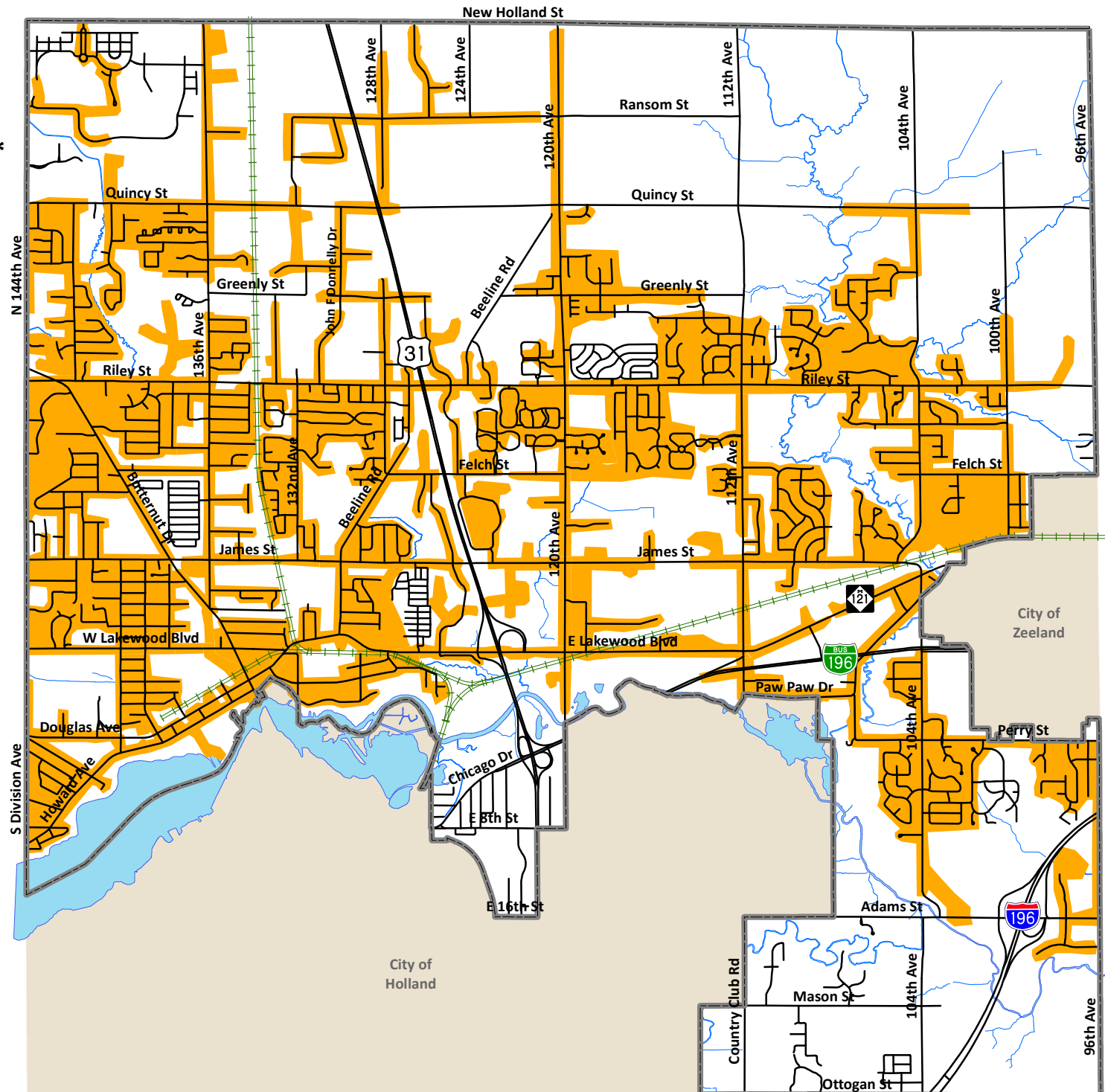
-  San/Sewer Service Area*
-  Township Boundary
-  Roads
-  Railroad
-  Water Features

*NOTE: The location of the Water Service Area displayed on this map is approximate and should not be used to determine the precise location or availability of such utilities. This map is for reference purposes only.



Holland Charter Township
Community Development Department
01/07/2014

Data Sources:
Holland Charter Township
Water and Sewer Department
Ottawa County GIS






Map 13




Holland Charter Township Public Facilities Map

Legend




Facility Type

-  Parks/Cemetaries/Open Space
-  Schools/Public Bldgs/Utilities
-  School Locations

School Districts

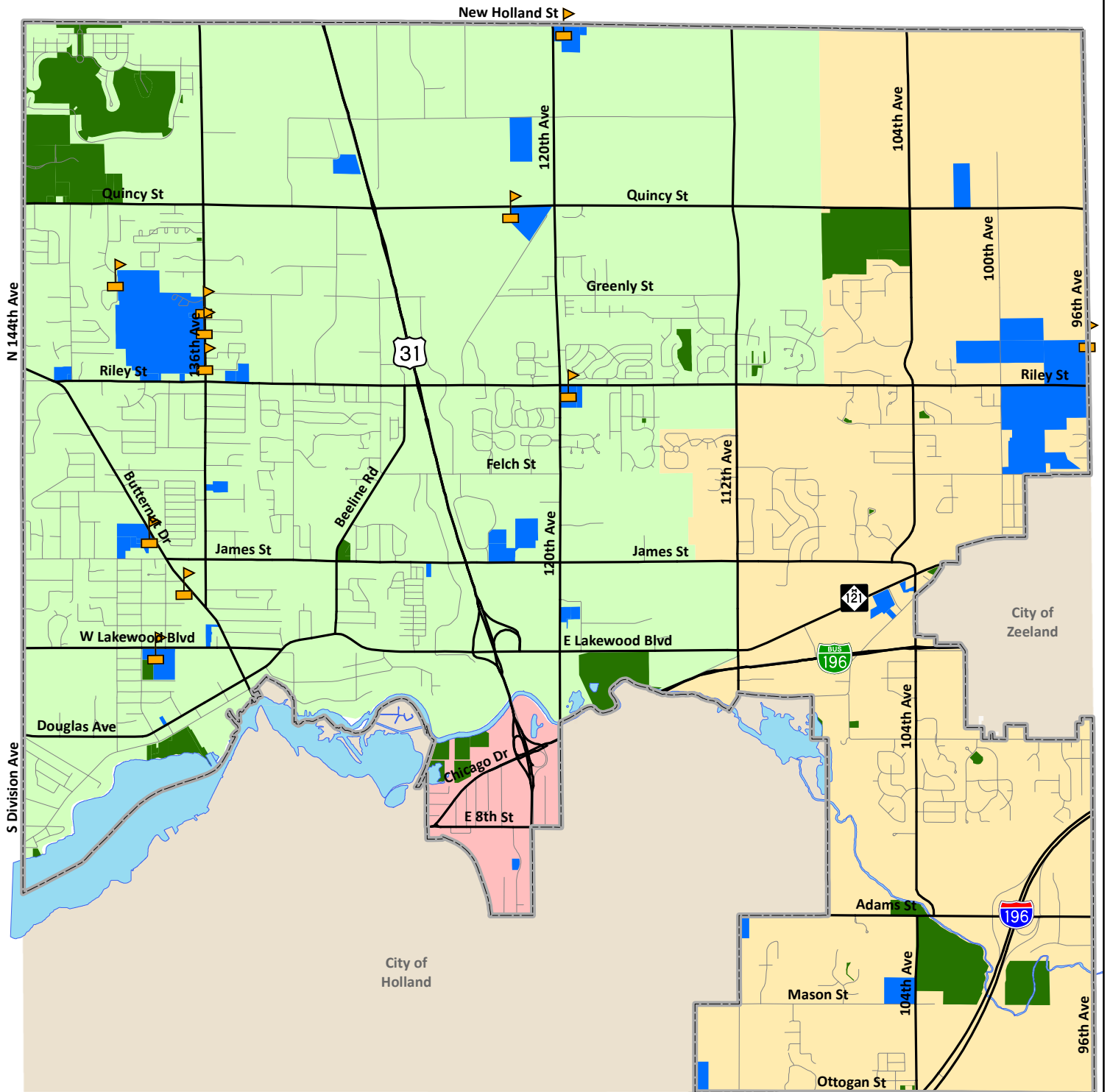
-  Holland Public Schools
-  West Ottawa Public Schools
-  Zeeland Public Schools

Other Map Items

-  Township Boundary
-  Roads
-  Water Features



Holland Charter Township
Community Development Department
06/19/2014
Data Sources:
Holland Charter Township
Ottawa County GIS



Map 14

Holland Charter Township Current Land Use Map

Legend

Current Land Use

- Parks/Recreation/Cemeteries
- Schools/Public Buildings
- Agriculture
- Churches
- Commercial
- Vacant Commercial
- Industrial
- Vacant Industrial
- Residential
- Vacant Residential

Other Map Items

- Roads
- Township Boundary
- Water Features



Holland Charter Township
Community Development Department
04/12/2013
Data Source: Ottawa County GIS

