City of Hiawatha
Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: Mayor and City Council **Date: January 30, 2018**

From: John Bender PE, City Engineer

Re: January 2018 Update

Description: Engineering Department Report

- Working with Public Works whenever necessary.
- Working with the Community Development Department to review building site plans, final plats, and rezoning requests. Several large projects are in the planning stage that requires engineering review and approval of proposed plans. We have several site plans under review.
- Pecks 1St Addition improvements have now started with grading, sewer, and water main construction. We are also working with the City of Cedar Rapids on the final plans for the extension of Edgewood Road to the north
- The Emmons/Robins/North Center Point Road intersection reconstruction project is now complete. Final project close-out documents can now be prepared and forwarded to Council for final acceptance.
- The work to reconfigure North Center Point Road with 3 lanes and bike lanes will be included in a supplemental contract as we can then close the prime contract. The work is scheduled to start next spring; again cold weather prevented us from completing the project this fall.
- The Edgewood Road grading and culvert project is substantially complete. We have been dealing with a rough roadway surface and patching is planned as a temporary surface during the winter months. We are working with the Linn County Engineering Department to get this work completed. We also approved a temporary reduction in the posted speed limit from 45mph to 35mph. The County must also approve this reduction in the County portion of the roadway.
- The concrete overlay project for Edgewood Road is planned for a March 6th, 2018 bid letting. We have reviewed the preliminary plans with the County Engineering staff to determine the best concept for the finished roadway surface. The proposed schedule is to allow 40-45 working days to complete the project with an insensitive to complete the project early. We plan for the roadway to be open to traffic before the first part of August and school starting for the fall session.
- We have an engineering contract negotiated to begin design of the sanitary sewer extension on the east side of Edgewood Road approximately 2000 feet south of Hunt Road. This sewer will serve the

existing Sari property that was annexed into the City approximately 7 years ago and also approximately 70 acres of the undeveloped farm land between Edgewood Road and I-380.

- The Tower Terrace Interchange public information meeting was held November 16, 2017 in the Hiawatha City Hall community center. The Iowa DOT conducted the meeting. The DOT has also schedule an information meeting with the residence of the Tower Terrace Mobile Home Park to discuss possible impacts of the construction project. That meeting is scheduled at City Hall, but we are unsure of the date.

- We have submitted the Metropolitan Planning Organization (MPO) application for the 2nd allocation of funding of the new Tower Terrace Interchange scheduled to start construction in FY22 or possibly FY21. The application is for $1.0 million of MPO funds to help provide a local match for the project. The total requested will be $4.0 million, as $1.0 million in 4 consecutive years.

- We have engineering proposals submitted to the Metropolitan Planning Organization to update the Tower Terrace Roadway Alignment Study prepared in 2010. A steering committee will be meeting this week to recommend a firm to update this important study and take into account the areas that have been developed and built along with new cost estimates for the remaining areas to be constructed. This 6 month study is funded with MPO dollars.

I am sure there are other projects I failed to include in the report, but feel free to call me with questions at any time.

LETTING DATE: MARCH 06, 2018

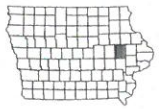
PROJECT NO.: L-EDGEWOOD RD (19)
PCC WHITETOPPING

LINN COUNTY, IOWA

TRAFFIC CONTROL PLAN

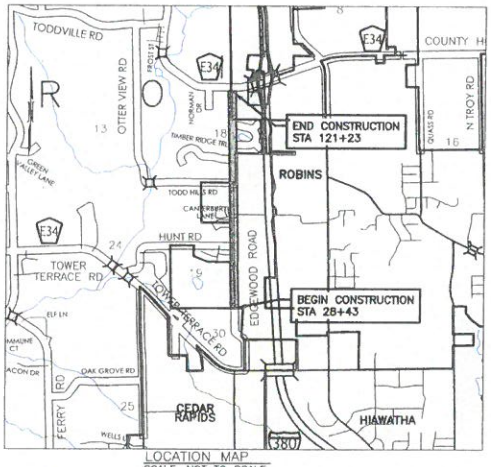
EDGEWOOD ROAD SHALL BE CLOSED TO TRAFFIC DURING PAVING CONSTRUCTION. ROAD CLOSURES SHALL BE CHANGED TO "ROAD CLOSED TO THRU TRAFFIC" AS SOON AS PAVEMENT REACHES MATURITY AND SHOULDER DROPOFF IS ADDRESSED. LINN COUNTY SHALL FURNISH, ERECT AND MAINTAIN DETOUR SIGNS IF APPLICABLE. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ADVANCED WARNING SIGNS, ROAD CLOSED SIGNS MOUNTED ON TYPE III BARRICADES, ROAD CLOSED TO THRU TRAFFIC SIGNS MOUNTED ON TYPE III BARRICADES AND SAFETY FENCE AT SAFETY CLOSURE LOCATIONS. LOCAL TRAFFIC TO ADJACENT PROPERTIES SHALL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08 OF THE STANDARD SPECIFICATIONS. TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA CHAPTER 130.

IOWA ONE CALL
800 / 292-8989
TOLL FREE
CALL - BEFORE - YOU - DIG



CONTACT INFORMATION
LINN COUNTY ENGINEERS OFFICE
1888 COUNTY HOME ROAD
MARION, IOWA 52302
PHONE: (319)-892-6400
FAX: (319)-892-6419

R7W



LOCATION MAP
SCALE: NOT TO SCALE

DWG: S:\PROJECTS\EDGEWOOD ROME\2018 OVERLAY TOWER TERRACE RD TO COUNTY HOME RD\PRE Plotted: BAIN, AUSTIN 12/15/2017 15:20

IOWADOT

PLANS FOR PROPOSED IMPROVEMENT ON THE

FARM-TO-MARKET ROAD SYSTEM

LINN COUNTY, IOWA

PCC WHITETOPPING

PROJECT NUMBER

L-EDGEWOOD RD (19)

8" OVERLAY ON EDGEWOOD ROAD FROM A POINT 2,800' NORTH OF TOWER TERRACE ROAD TO COUNTY HOME ROAD (E34)

THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, OCTOBER 2017 SERIES, PLUS THE GENERAL SUPPLEMENTAL SPECIFICATIONS AND APPLICABLE SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS, SHALL APPLY TO THE CONSTRUCTION ON THIS PROJECT.

03-18-16 101-7

DESIGN DATA
EDGEWOOD ROAD

2013	AADT	700	V.P.D.
2040	AADT	1195	V.P.D.
DESIGN SPEED		35	MPH

MILEAGE SUMMARY 105-1 09-27-94

DIV.	LOCATION	LINEAL FEET	MILES
2	STA 28+43 to STA 48+14	1971	0.373
3	STA 48+14 to STA 64+80	1666	0.316
2	STA 64+80 to STA 81+52	1672	0.317
3	STA 81+52 to STA 93+90	1238	0.234
1	STA 93+90 to STA 108+00	1410	0.267
3	STA 108+00 to STA 121+23	1317	0.250
	TOTAL	9274	1.757

DIV. 1 LINN COUNTY SECONDARY ROAD DEPARTMENT (100%)
DIV. 2 CITY OF HIAWATHA (100%)
DIV. 3 LINN COUNTY SECONDARY ROAD DEPARTMENT/CITY OF HIAWATHA (50%/50%)

INDEX OF SHEETS 105-3 10-18-05

NO.	DESCRIPTION
A.01	TITLE SHEET
A.02	SITE MAP
B.01	TYPICAL CROSS SECTIONS AND DETAILS
C.01-C.02	QUANTITIES AND GENERAL INFORMATION
D.01-D.04	PLAN AND PROFILE SHEETS
F.01	DETOUR ROUTE AND SIGNING
K.01-K.05	INTERSECTION DETAILS
	TOTAL: 15

OFFICE OF THE
LINN COUNTY ENGINEER

COUNTY ENGINEER DATE

BRADLEY J. KALLEMEYN LICENSED 16706 IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Bradley J. Kallemeyn P.E. 16706 DATE

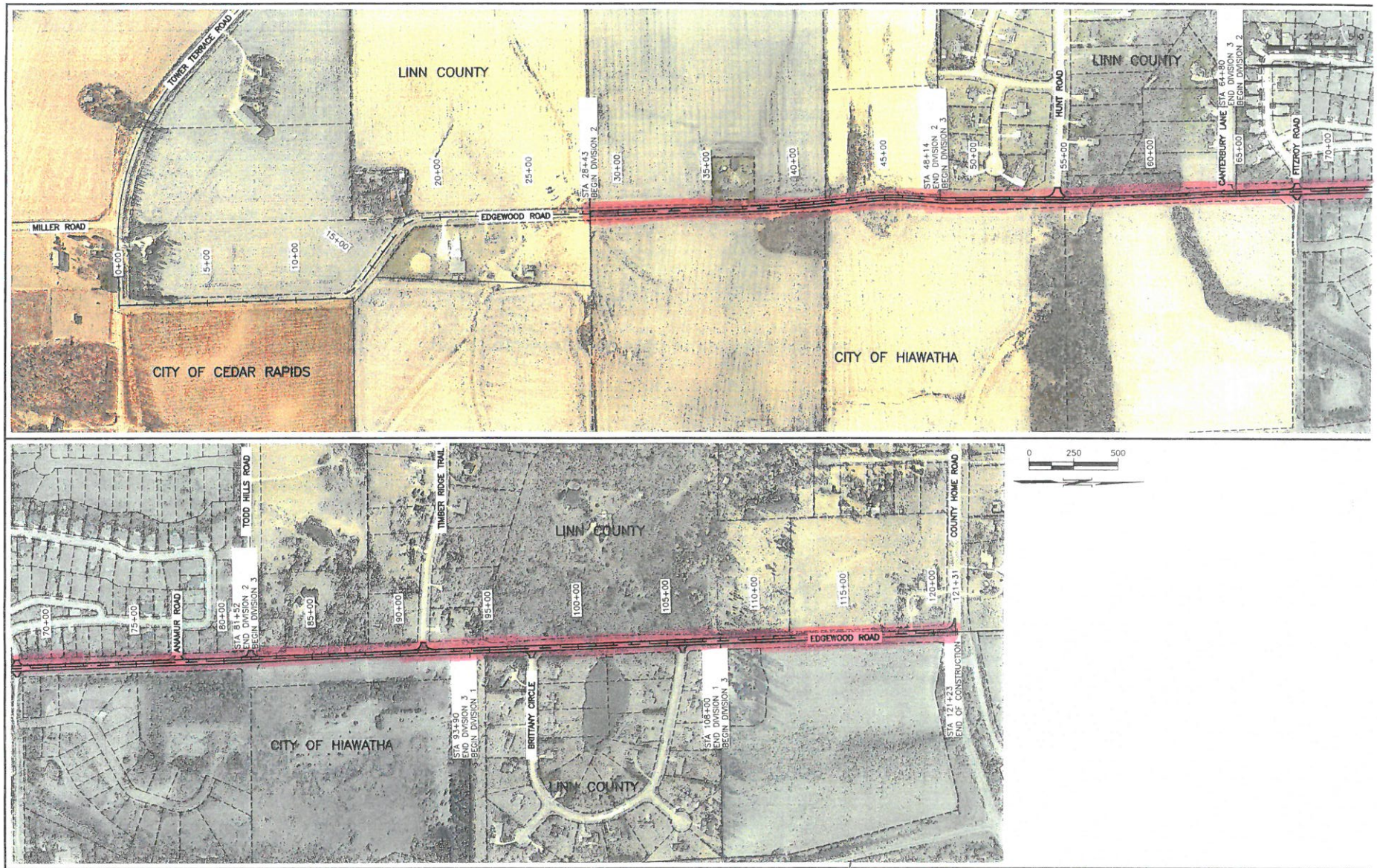
My License Renewal Date is Dec. 31, 2018

Pages or sheets covered by this seal:

(Entire submission unless specified here)

PRELIMINARY PLANS

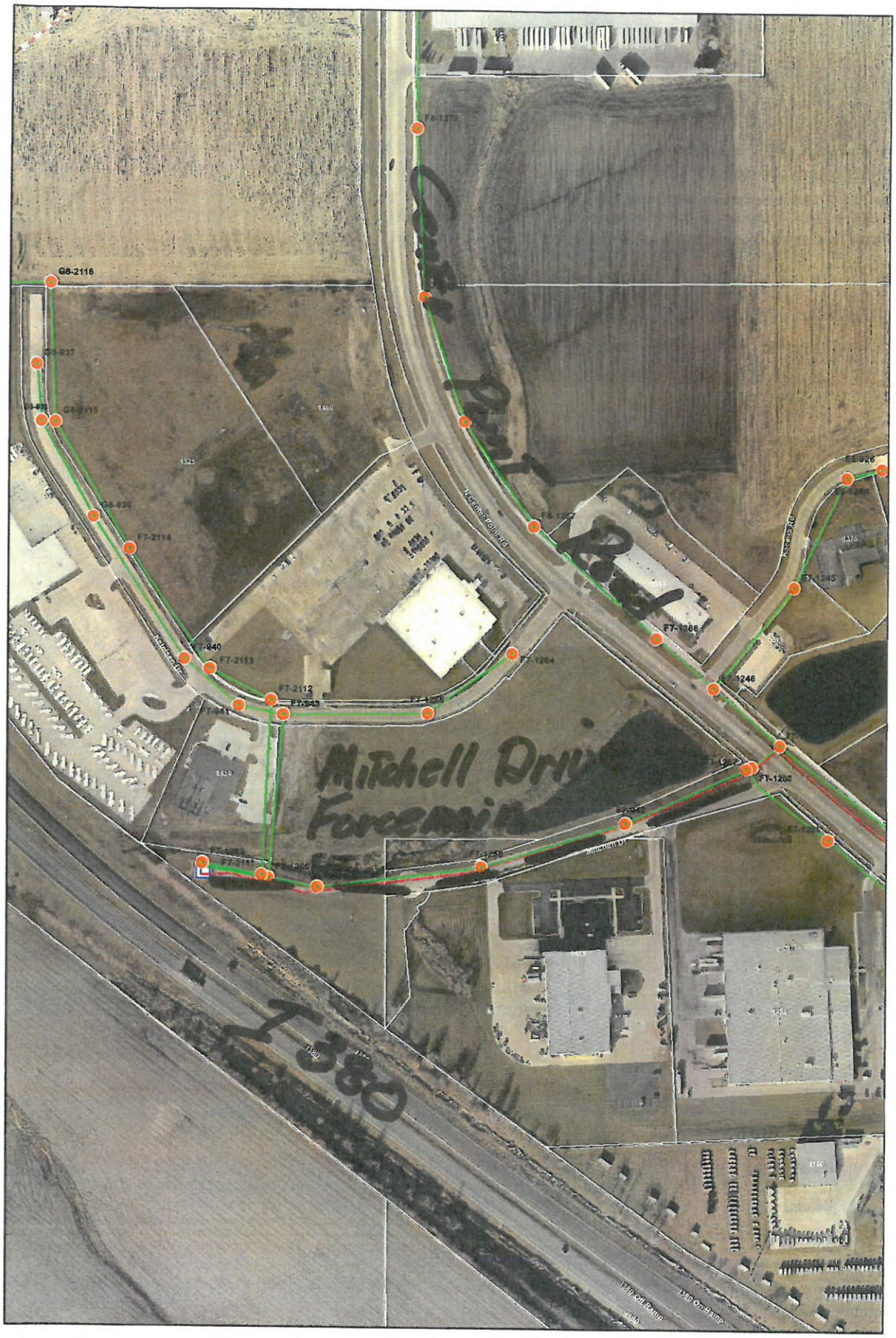
A.01



DRAFTED BY: AMB 06-29-17 REVISED BY: AAA MM-DD-YY PLOTTED BY: BAIN, AUSTIN 12/15/2017 15:21	REVISIONS: DWG: S:\PROJECTS\EDGEWOOD ROAD\2018 OVERLAY TOWER TERRACE RD TO COUNTY HOME RD\DWG	OFFICE OF THE LINN COUNTY ENGINEER	EDGEWOOD ROAD L-EDGEWOOD RD (19) PCC WHITETOPPING	SITE MAP	SHEE A.02

Reck's Landing

Water Main

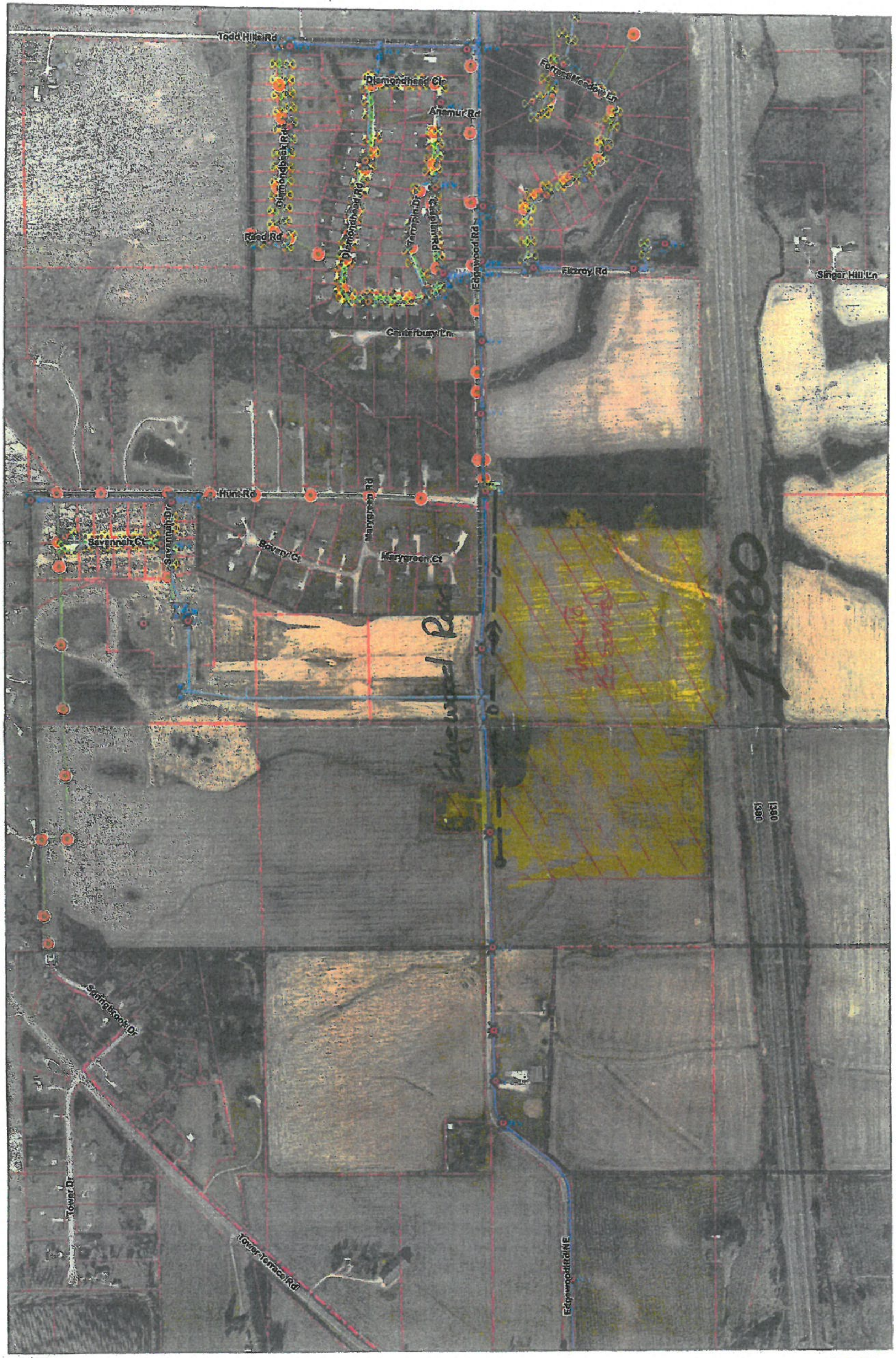


Hiawatha!

1 inch = 200 feet

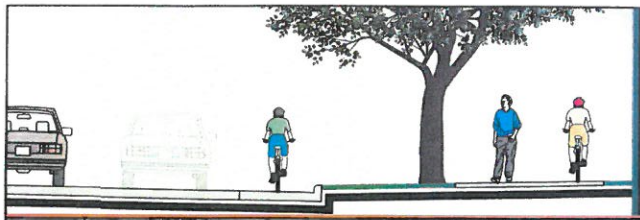
Hiawatha Sanitary Sewer

January 2017



Hiawatha!

1 inch = 500 feet



Hiawatha • Robins • Cedar Rapids • Linn County • Marion

Tower Terrace Road

Corridor Management Plan

March 18, 2010

Corridor MPO

Snyder & Associates
Engineers and Planners

2010 Study