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: August 28, 2019**

From: John Bender PE, City Engineer

Re: **August 2019**

Description: Engineering Department Report

- We were notified by the CN Railroad at they will be replacing the Boyson Road Railroad crossing with new preformed rubber mats. This will be similar to the crossing at Robins Road they did a year ago. **The major concern, the Boyson Road railroad crossing will be closed for 3 days starting on Monday September 16th.** We will work with Cedar Rapids to establish a detour. Plus we will schedule message boards to be placed on Boyson Road starting on September 9th to notify motorists of the upcoming closing.

- Working with Public Works on the dog park projects and other various projects as they come up.

- Working with the Community Development Department to review building site plans, final plats, and rezoning requests. Projects under way include the Pecks Addition, Todd Hills 1st Addition, Sherman 9th and 10th Addition, the library expansion, Dell Ridge Phase IV, and several new commercial site plans.

- The Mid-Town Utility and Street extension contractor, Rathje Construction of Marion, has informed us they will start construction later this year. We are planning a preconstruction meeting early in October. Appears the contactor will schedule all the underground work this fall with the paving scheduled for next spring. Funding is programmed with LOST 15-24 dollars.

- We approved a contract with Shive Hattery engineers to design the new signal at Center Point Road and Willman Street. The project was bid on June 4, 2019 with the bids coming in considerably above the engineer's estimate. Council tabled any action on the project until such time as we can discuss a new course of action. We have also approved a contract with Shive Hattery to look at the roadway surface repairs to the section of Center Point Road between Blair's Ferry Road and Clark Street. The new plan is to combine these 2 projects together into one large project to be completed next year. We have scheduled the notice of hearing and notice to bidders to be published at this next meeting. The costs for this project have been anticipated with remaining GO funds from the Edgewood Road project and last year's Emmons Street repair project and remaining LOST funds.

- The sanitary sewer extension project on the east side of Edgewood Road approximately 2000 feet south of Hunt Road has encountered bedrock that will drastically increase our costs if we proceed with the original plan. We have now reevaluated the sewer alignment and developed plans for an open cut sewer project instead of a pipe drilling project. We hope to have a change order to Council in the next few weeks to revise the scope of this project and complete the work before the end of the year. This project is funded using the sewer fund and also LOST dollars.

- We have approved a contract with Anderson Bogert Engineers to study railroad crossing "quiet zones" on Center Point Road, Emmons Street, and Blair's Ferry Road. We had taken traffic counts at all 3 locations with assistance from the Iowa DOT. This project will allow the trains to eliminate the horn warnings at these crossings. We have compiled all the needed information and have prepared the documentation. The Notice of Intent has been completed and submitted to the Federal Railroad Authority. This project is funded with GO dollars in the spring of 2020.

- The Robins Road Planning Study has been completed and we are moving forward with the implementation. Our consultant, Bolton Menk of Cedar Rapids, has provided a scope and fee to help us through the Planning and Zoning process to develop the needed zoning ordinance overlay documents. We have a plan to establish a new study committee that will have a kick off meeting October 14, 2019.

- We have a contract with MSA professional Services for the resurfacing of 12th Avenue from Blair's Ferry Road about 2000 feet north to just south of Lyndhurst Drive. The project was bid on July 11, 2019 with the lowest bid from LL Pelling from North Liberty. We have held the pre-construction meeting with the contractor planning to start work on September 3, 2019. The schedule will be posted on the Hiawatha website. The hope is to complete this project within approximately 6 weeks. This project is funded with LOST 15-24 dollars.

- We have a contract with Hall and Hall Engineers to prepare the plans and specifications for the widening of 18th Avenue at Blair's Ferry Road. This includes removal of the curbs and widening 18th Avenue to a 3-lane section with new signals as a cooperative project with the City of Cedar Rapids. Cedar Rapids has informed us they are working with property owners to create a new access to the Fountains Commercial Addition that will develop the 18th Avenue/ Blair's Ferry Road intersection into a 4-way intersection. We how have our project out to bid, with the bid date of September 12th. We will take the bids to Council on September 18th. The goal is to have all work done by Thanksgiving. The funding included in the CIP for FY21.

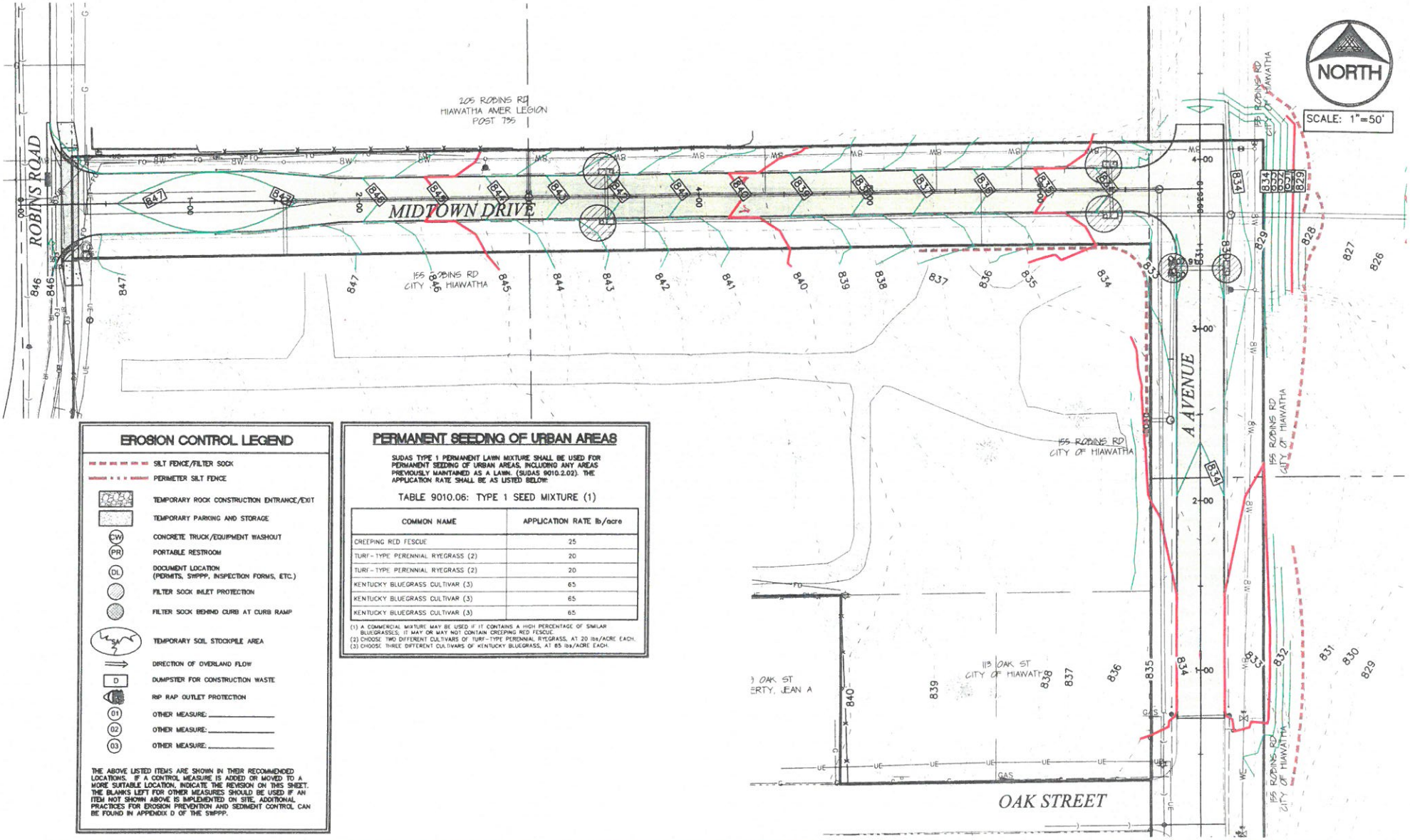
- We have a contract with Shive Hattery Engineers to prepare plans for the 2019 Storm Sewer Repair project. There are several areas of concern for storm water issues that have been brought to the attention of staff and the City Council. We have preliminary plans completed and have met with the property owners to address any concerns. We have draft plans for three storm sewer improvements projects be included in one bid package:

    - Pirie Drive to the west of Nixon Elementary School
    - Kainz Drive south of Boyson Road
    - Raney Street east of 12th Avenue

We hope to have the project out to bids this fall with completion of the work scheduled for next spring. We have an amendment to the Shive contract on the Council meeting next week to develop the easement documents we need to allow us to complete the work on private property .

- City Council approved a contract with Snyder and Associates as the design consultants for the environmental study/NEPA study /preliminary and final design of the City's approximately 2000 feet of Tower Terrace Road reconstruction. We have the preliminary traffic study and the preliminary concept designs completed to anticipate the opening day and proposed 2040 traffic volumes. We are also attempting to reduce the proposed new right-of-way needs as much as possible. We plan to meet with the adjacent property owners to review the concepts before we bring the draft plans to Council.

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



EROSION CONTROL LEGEND

- SILT FENCE/FILTER SOCK
- PERIMETER SILT FENCE
- TEMPORARY ROCK CONSTRUCTION ENTRANCE/EXIT
- TEMPORARY PARKING AND STORAGE
- (CW) CONCRETE TRUCK/EQUIPMENT WASHOUT
- (PR) PORTABLE RESTROOM
- (DL) DOCUMENT LOCATION (PERMITS, SWPPP, INSPECTION FORMS, ETC.)
- FILTER SOCK INLET PROTECTION
- FILTER SOCK BEHIND CURB AT CURB RAMP
- (SM) TEMPORARY SOIL STOCKPILE AREA
- DIRECTION OF OVERLAND FLOW
- (D) DUMPSTER FOR CONSTRUCTION WASTE
- RIP RAP OUTLET PROTECTION
- (01) OTHER MEASURE: _____
- (02) OTHER MEASURE: _____
- (03) OTHER MEASURE: _____

THE ABOVE LISTED ITEMS ARE SHOWN IN THEIR RECOMMENDED LOCATIONS. IF A CONTROL MEASURE IS ADDED OR MOVED TO A MORE SUITABLE LOCATION, INDICATE THE REVISION ON THIS SHEET. THE BLANKS LEFT FOR OTHER MEASURES SHOULD BE USED IF AN ITEM NOT SHOWN ABOVE IS IMPLEMENTED ON SITE. ADDITIONAL PRACTICES FOR EROSION PREVENTION AND SEDIMENT CONTROL CAN BE FOUND IN APPENDIX D OF THE SWPPP.

PERMANENT SEEDING OF URBAN AREAS

SUDAS TYPE 1 PERMANENT LAWN MIXTURE SHALL BE USED FOR PERMANENT SEEDING OF URBAN AREAS, INCLUDING ANY AREAS PREVIOUSLY MAINTAINED AS A LAWN. (SUDAS 9010.2.02). THE APPLICATION RATE SHALL BE AS LISTED BELOW:

TABLE 9010.06: TYPE 1 SEED MIXTURE (1)

COMMON NAME	APPLICATION RATE lb/acre
CREEPING RED FESCUE	25
TURF-TYPE PERENNIAL RYEGRASS (2)	20
TURF-TYPE PERENNIAL RYEGRASS (2)	20
KENTUCKY BLUEGRASS CULTIVAR (3)	65
KENTUCKY BLUEGRASS CULTIVAR (3)	65
KENTUCKY BLUEGRASS CULTIVAR (3)	65

(1) A COMMERCIAL MIXTURE MAY BE USED IF IT CONTAINS A HIGH PERCENTAGE OF SIMILAR BLUEGRASSES. IT MAY OR MAY NOT CONTAIN CREEPING RED FESCUE.
(2) CHOOSE TWO DIFFERENT CULTIVARS OF TURF-TYPE PERENNIAL RYEGRASS, AT 20 lbs/ACRE EACH.
(3) CHOOSE THREE DIFFERENT CULTIVARS OF KENTUCKY BLUEGRASS, AT 65 lbs/ACRE EACH.

Drawn By: JEB/DLC Approved By: SBP Date: 5-27-2019		Project No. 5671-003	CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS LANDSCAPE ARCHITECTS ENVIRONMENTAL SPECIALISTS	1917 S. GILBERT ST. IOWA CITY, IOWA 52240 (319) 351-8282 www.mmsconsultants.net	2019 HIAWATHA MIDTOWN UTILITY AND STREET PROJECT HIAWATHA, IA	GRADING AND EROSION CONTROL PLAN AND SWPPP	Sheet No. C3.0

#2

DRAWINGS OF PROPOSED IMPROVEMENTS
FOR

18TH AVENUE PCC PAVEMENT WIDENING

IN THE CITY OF HIAWATHA, LINN, IOWA

UTILITY AND EMERGENCY TELEPHONE NUMBERS

CITY OF HIAWATHA, IOWA

PUBLIC WORKS DEPARTMENT	(319)-393-1515
POLICE DEPARTMENT	(319)-393-1212
EMERGENCY	911
FIRE DEPARTMENT	(319)-393-4180
EMERGENCY	911
WATER DEPARTMENT	(319)-393-5556
SANITARY AND STORM SEWER DEPARTMENT	(319)-393-6601
TRANSIT DEPARTMENT	(319)-286-5573
PARKS AND RECREATION	(319)-393-1515
IOWA ONE CALL (UTILITIES)	(800)-292-8989
MID-AMERICAN ENERGY	(319)-298-5162
CENTURY LINK (TELEPHONE)	
ENGINEER, WEST SIDE	(319)-399-7600
ENGINEER, EAST SIDE	(319)-399-7487
ALLIANT/I.E.S. INDUSTRIES (ELECTRIC, STEAM)	
INFORMATION	(319)-786-1908
MEDIACOM (CABLE TV)	(319)-395-9699
BUSINESS	EXT 354
LOCATIONS	(800)-292-8989
WINDSTREAM (TELEPHONE / CABLE TV)	
BUSINESS	(319)-538-1985
LOCATIONS	(800)-292-8989
IMON (TELEPHONE / CABLE TV)	
BUSINESS	(319)298-6484
LOCATIONS	(800) 292-8989
SOUTHSLOPE (TELEPHONE / CABLE TV)	(319)-665-5312
IOWA NETWORK SERVICE	(319)-533-2319
ITC MIDWEST	(319)-297-6765
JOINT COMMUNICATIONS NETWORK	(319)-286-5491
LINN COUNTY REC	(319)-377-1587
CEDAR RAPIDS AND IOWA CITY RAILWAY COMPANY	(800)-283-1540
IOWA DEPARTMENT OF TRANSPORTATION	
DISTRICT ENGINEER	(319)-364-0235
MAINTENANCE GARAGES	(319)-364-8189
LINN COUNTY ENGINEER	(319)-892-6400
LINN COUNTY MAINTENANCE	(319)-892-6420

CONTACT PERSON:
MATT JOHNSON, P.E.
1860 BOYSON ROAD HIAWATHA, IOWA 52233
PH: (319) 362-9548 | FAX: (319) 362-7595

LOCATION MAP

(NOT TO SCALE)

NOTE

THE PROPOSED IMPROVEMENTS INCLUDED IN THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS MANUAL AS NOTED WITH SUPPLEMENTAL SPECIFICATIONS UNLESS OTHERWISE NOTED.

SHEET INDEX

NO.	DESCRIPTION
A.01	COVER
A.02	LEGEND
B.01	TYPICAL CROSS SECTIONS
C.01	GENERAL NOTES AND QUANTITIES
C.02	GRADING PLAN
D.01	PAVEMENT PLAN AND PROFILE
J.01 - J.02	STAGING AND TRAFFIC CONTROL
L.01	INTERSECTION DETAILS
P.01	PAVEMENT MARKING AND SIGNAGE PLANS
R.01	DEMOLITION AND REMOVAL PLANS
S.01 - S.02	SIDEWALK RAMP DETAILS

MAYOR:	BILL BENNETT
CITY CLERK:	KARI GRABER
CITY ADMINISTRATOR:	KIM DOWNS
COUNCIL PERSONS:	AMY WICHTENDAHL DENNY NORTON ROB ARCHIBALD DICK OLSON STEVE DODSON

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Hiawatha!

CITY OF HIAWATHA
THIS ENGINEERING DOCUMENT IS APPROVED FOR CONSTRUCTION
JOHN BENDER, CITY ENGINEER — DATE 8/21/2019

LICENSED PROFESSIONAL ENGINEER MATTHEW G. JOHNSON 17666 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.
Signed: Date: 8/21/19
Matthew G. Johnson, P.E. 17666
My license renewal date is December 31, 2020
Pages or sheets covered by this seal: All

DRAWINGS OF PROPOSED IMPROVEMENTS FOR 18TH AVENUE PCC PAVEMENT WIDENING

CAD File: I:\projects\4000\4089-19-2 18th Ave Widening\DWG\POI\POI Sheets.dwg Date Plotted: Wednesday, August 21, 2019 3:09:51 PM Plotted By: Matt Johnson

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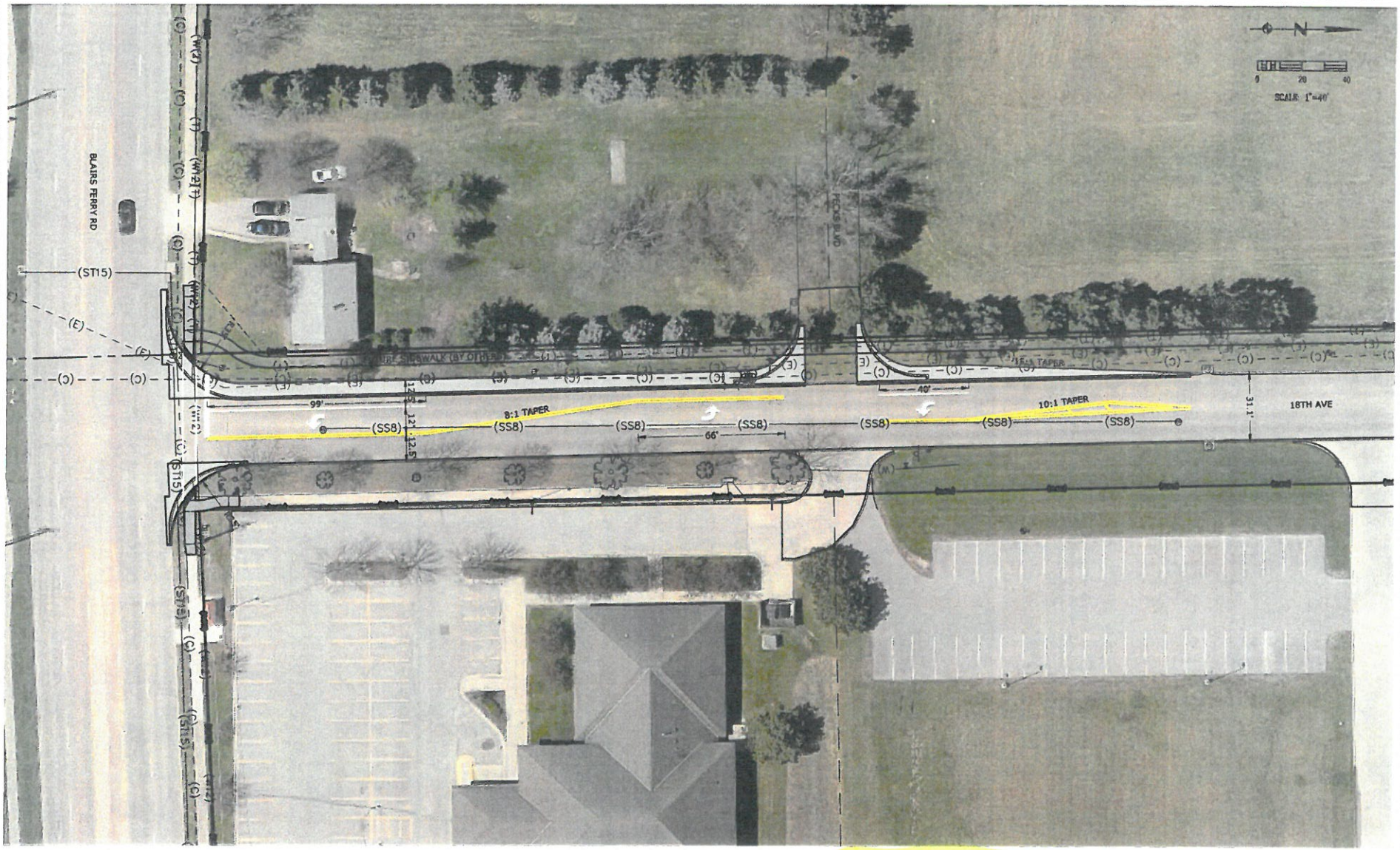

DRAWN BY: KLH				
CHECKED BY: MGJ				
APPROVED BY: MGJ				
DATE: 07-10-2019				
FIELD BOOK: ---	NO.	REVISION DESCRIPTION	APPROVED	DATE

Hiawatha!

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18TH AVENUE
PCC PAVEMENT WIDENING

IN THE CITY OF HIAWATHA, LINN COUNTY, IOWA

CONCEPT PLAN
LAYOUT #2

SCALE: 1"=40'

PROJECT NO: 4089-19-02

SHEET
1

CAD File: I:\projects\4000\4089-19-2 18th Ave Widening\DWG\Base\Prop2.dwg Date Plotted: Wednesday, July 10, 2019 1:49:18 PM Plotted By: Matt Johnson

CITY OF HIAWATHA

101 Emmons St
Hiawatha, IA 52233
Phone 319-393-1515
Fax 319-393-1516

Press Release

Contact: Hiawatha City Engineer
Phone: (319) 393-1515

FOR IMMEDIATE RELEASE
August 29, 2019

NOTICE
HIAWATHA

12th Avenue Closure between Blairs Ferry Road and Lyndhurst Drive September 3, 2019. Traffic to follow marked detour on Blairs Ferry Road, 10th Avenue, and Lyndhurst Drive.

HIAWATHA, IA – August 29, 2019 – 12th Avenue will be closed starting Tuesday September 3, 2019 from Blairs Ferry Road to Lyndhurst Drive for pavement resurfacing. A detour will be established on Blairs Ferry Road, 10th Avenue, and Lyndhurst Drive. Local traffic access for residences only. Work to resurface 12th Avenue will continue for approximately 6 weeks.

Through traffic should expect delays.

If you have any questions please call the Engineering Department at (319) 393-1515 (EXT. 511)

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12TH AVENUE RESURFACE PROJECT SCHEDULE

Hiawatha Resident or Business Owner,

The City of Hiawatha has contracted with LL Pelling Inc. from North Liberty for the repair and resurfacing of 12th Avenue from Blair's Ferry Road to Lyndhurst Drive. The contractor plans to start work on September 3rd. The road will be closed and a detour established for approximately 7 days in order to prep the surface and install the first overlay. Access for local traffic only. The contractor will start the sidewalk ramp reconstruction on the south end and work to Lyndhurst Drive. This process will take approximately 4 weeks. The roadway will be open but construction equipment will be present. The road will be closed again on approximately October 15th for two days to install the final asphalt lift.

The schedule will be posted on the Hiawatha website at:

www.hiawatha-iowa.com/news/12th-ave-repair2/

All schedules are dependent upon weather.

Hiawatha!

DRAFT

TOWER TERRACE ROAD TRAFFIC STUDY

INTERSTATE 380 INTERCHANGE TO NORTH CENTER POINT ROAD

Hiawatha, Iowa | August 2, 2019

SNYDER & ASSOCIATES

7/30/2019
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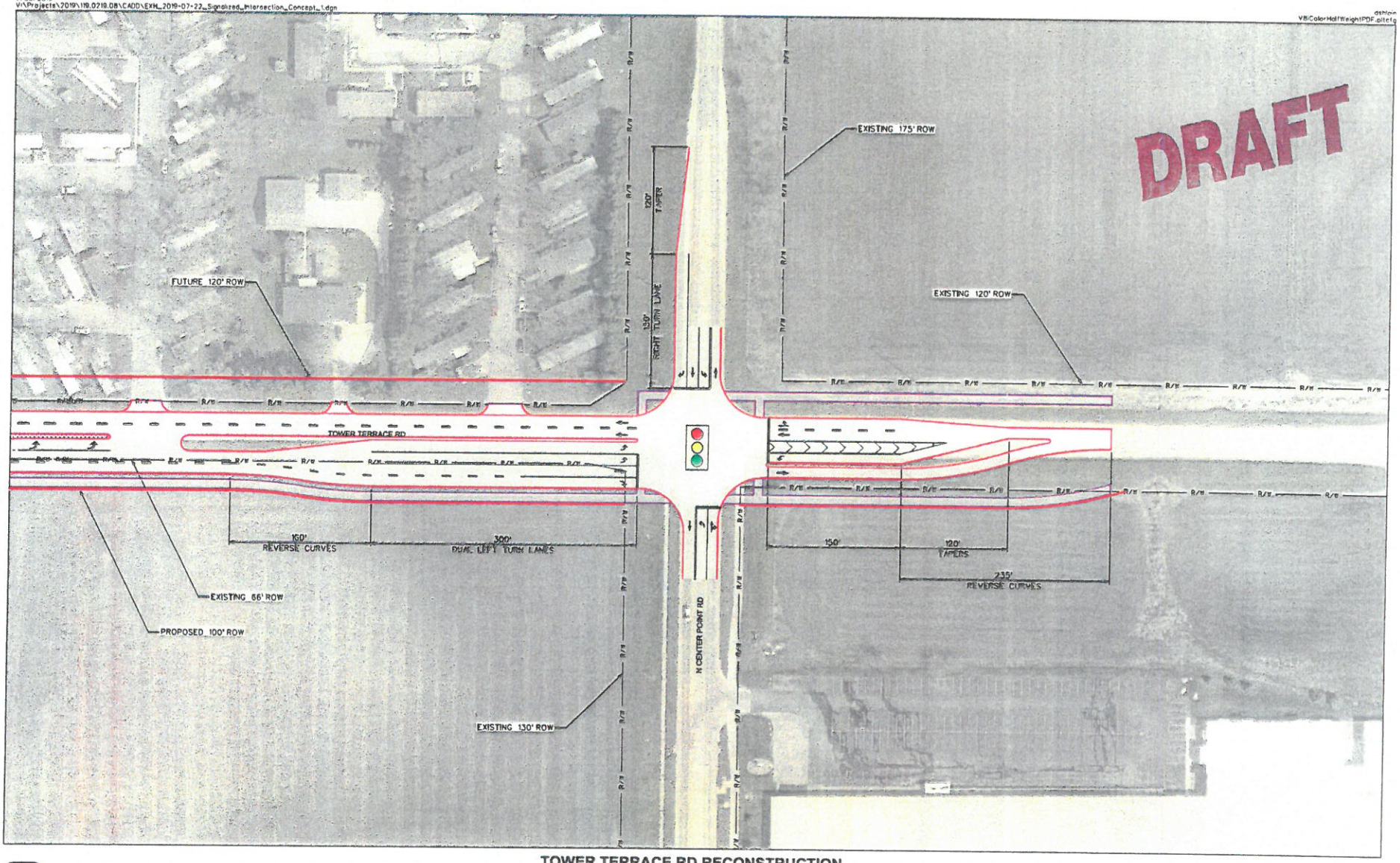

SNYDER & ASSOCIATES

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FEET

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TOWER TERRACE RD RECONSTRUCTION
I-380 TO N CENTER POINT RD

Hiawatha, Iowa

EXHIBIT - 1: SIGNALIZED INTERSECTION CONCEPT - OPENING YEAR

07/30/2019

7/31/2019
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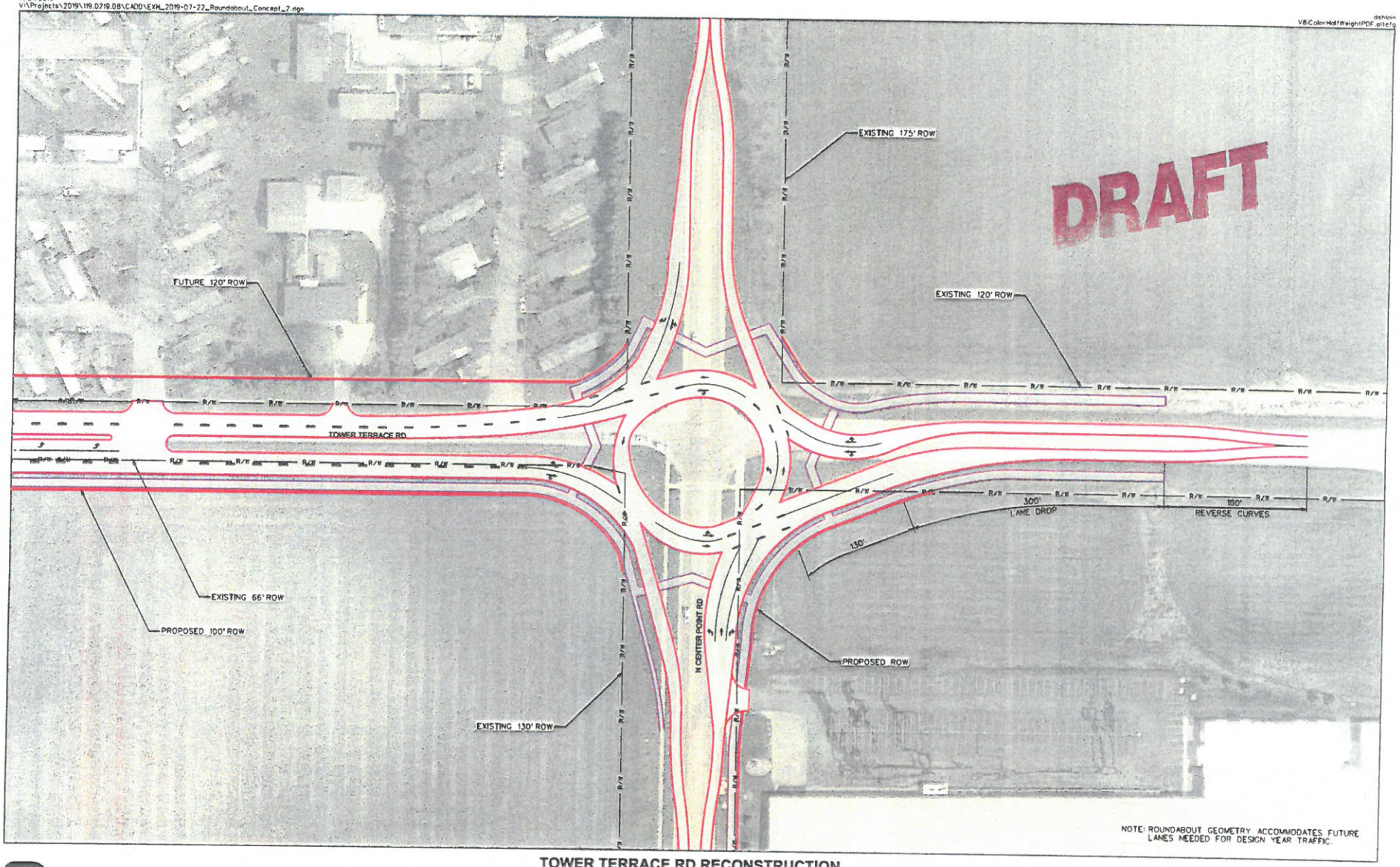

SNYDER & ASSOCIATES

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TOWER TERRACE RD RECONSTRUCTION
I-380 TO N CENTER POINT RD

Hiawatha, Iowa

EXHIBIT - 2: ROUNDABOUT CONCEPT - OPENING YEAR

07/30/2019