F10

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:** **November 1, 2018**

From: John Bender PE, City Engineer

Re: **Todd Hills 1st Addition**

Description: Approve Plan of Improvements

Report:

The plan of improvements for Todd Hills 1th Addition has been submitted for a new 34 lot residential subdivision south of Todd Hills Road and west of Edgewood Road. This new addition includes approximately the following:

- 2050LF of sanitary sewer,
- 1600LF of storm sewer,
- 2500LF of water main,
- 2300 LF of street paving, along with draintile.
- 7-LED Urbanscape street lights

Staff has reviewed the plan of improvements that are proposed for this development. The change that Council needs to be aware is the fact that the new Statewide Urban Design and Specifications (SUDAS) is being proposed for this addition. This new specification has been adopted by Marion with Cedar Rapids and Hiawatha planning to adopt this specification by the end of the year. The only major change in this specification is the new street standard proposed is a 26 foot wide street instead of the previously approved 28 foot street width. As a requirement, parking will always be removed from one side of the street. Other than this change, the new standard is very similar to the previous Cedar Rapids Metro Standard we have used since approximately 2006.

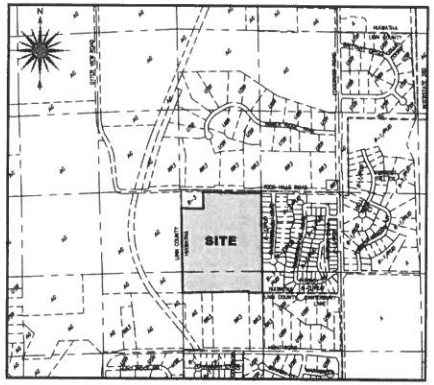
Engineering is also reviewing a proposed sanitary sewer lift station plan for service to this property. This pumping station will be located along Reed Road next to outlot "A", which is the regional detention basin. This plan will be accepted separately as we need to wait for the IDNR approval before we can proceed. This station will become property of the City when completed, as all improvement in new developments.

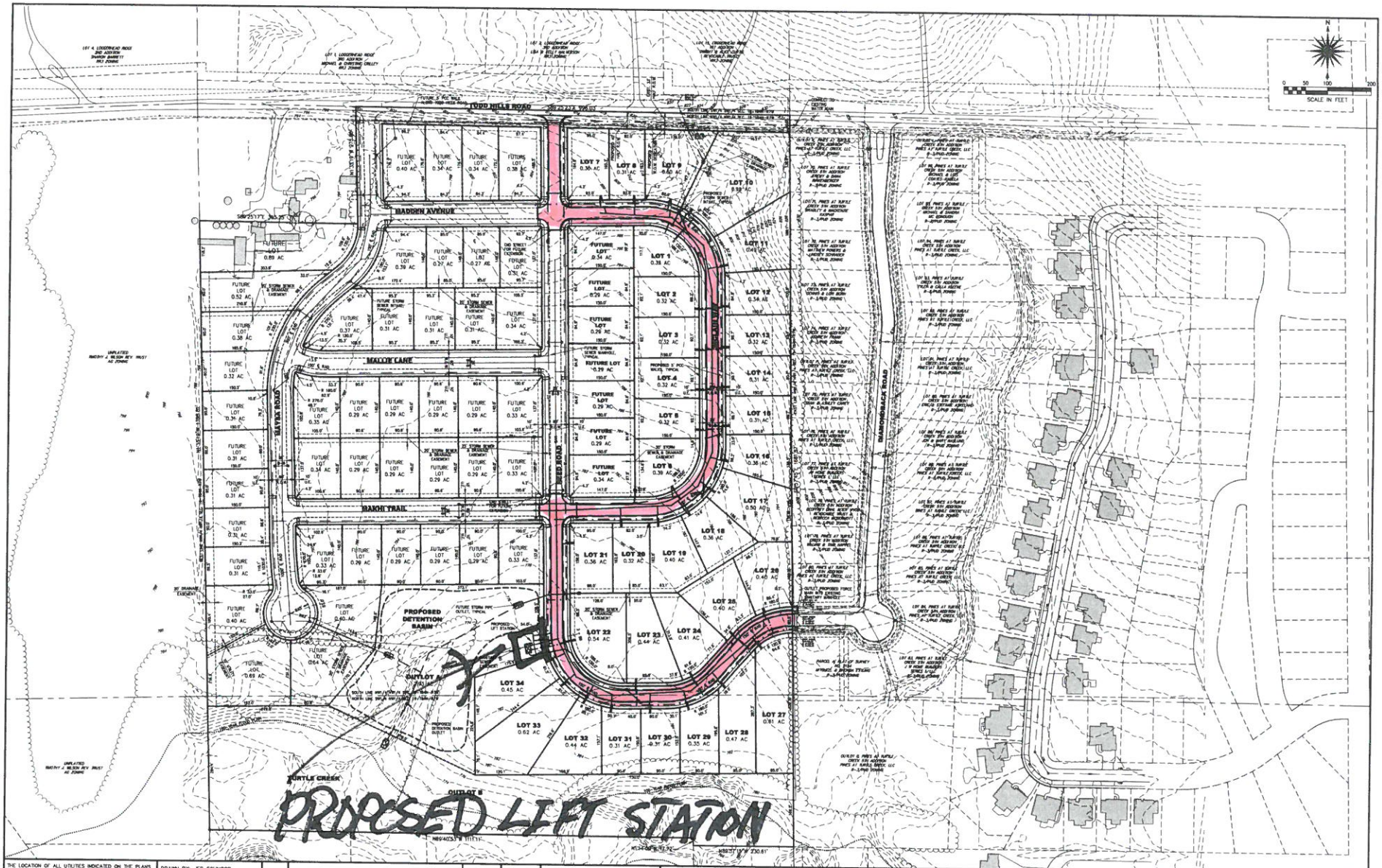
Engineering recommends approval. If you need any further information, please let me know.

DRAWINGS OF PROPOSED PUBLIC IMPROVEMENTS
FOR
TODD HILLS FIRST ADDITION
TO HIAWATHA, IOWA

LOCATION MAP

1"=1000'


N
SITE
WILSON WAY
REED ROAD
MCLAIN WAY
LINN COUNTY
HIAWATHA
CEDAR RAPIDS
IOWA CITY
LINN COUNTY
BOWMAN WOODS
CEDAR RAPIDS
LINN COUNTY
CEDAR RAPIDS
LINN COUNTY
CEDAR RAPIDS
LINN COUNTY



THE LOCATION OF ALL UTILITIES INDICATED ON THE PLANS IS TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.

DRAWN BY: JED SCHNOOR

APPROVED BY: JED SCHNOOR

DATE: 10/31/2018

REV NO.	REVISION DESCRIPTION	APPROVED	DATE

Hiawatha!

SCHNOOR-BONIFAZI ENGINEERING & SURVEYING, LC
431 FIFTH AVENUE SW
CEDAR RAPIDS, IA 52404
(319) 398-8000 (PHONE)

Schnoor Bonifazi

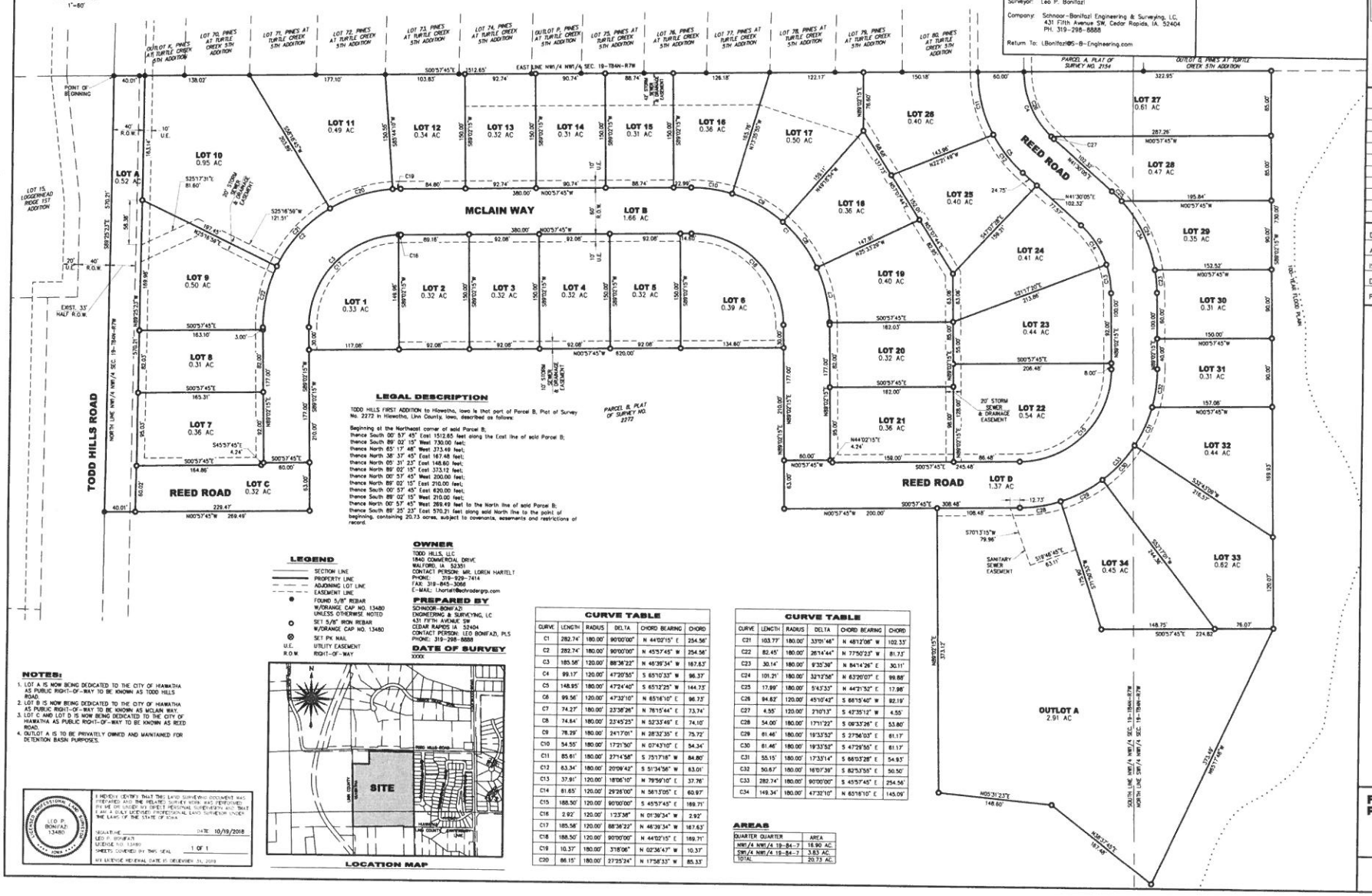
TODD HILLS FIRST ADDITION TO HIAWATHA, IOWA

TITLE: **OVERALL SITE LAYOUT PLAN**

SHEET NO. **C1.1**

FINAL PLAT
TODD HILLS FIRST ADDITION TO HIAWATHA, IOWA

SCALE IN FEET
1"=60'



INDEX LEGEND	
Location:	PARCEL B, PLAT OF SURVEY NO. 2272 NW 1/4 19-84-7
Requestor:	TODD HILLS, LLC.
Proprietor:	TODD HILLS, LLC.
Surveyor:	Leo P. Bonifazi
Company:	Schnoor-Bonifazi Engineering & Surveying, LC. 431 Fifth Avenue SW, Cedar Rapids, IA. 52404 PH. 319-298-8888
Return To:	LBonifazi@S-B-Engineering.com

SPACE RESERVED FOR RECORDING PURPOSES

Schnoor Bonifazi
Engineering & Surveying
SCHNOOR-BONIFAZI
ENGINEERING & SURVEYING, LC
431 FIFTH AVENUE SW
CEDAR RAPIDS, IA 52404
(319) 298-8888 (PHONE)

REVISIONS

DRAWN: JED SCHNOOR
APPROVED: LEO BONIFAZI
ISSUED FOR: REVIEW
DATE: 10/17/2018
PROJECT NO.: 18034

LEGAL DESCRIPTION

TODD HILLS FIRST ADDITION to Hiawatha, Iowa is that part of Parcel B, Plat of Survey No. 2272 in Hiawatha, Linn County, Iowa, described as follows:

Beginning at the Northeast corner of said Parcel B;
thence South 00° 57' 45" East 1512.65 feet along the East line of said Parcel B;
thence South 89° 02' 15" West 730.00 feet;
thence North 65° 17' 48" West 373.49 feet;
thence North 38° 37' 45" East 167.48 feet;
thence North 05° 31' 23" East 148.60 feet;
thence North 89° 02' 15" East 373.12 feet;
thence North 00° 57' 45" West 200.00 feet;
thence North 89° 02' 15" East 210.00 feet;
thence South 00° 57' 45" East 620.00 feet;
thence South 89° 02' 15" West 210.00 feet;
thence North 00° 57' 45" West 269.49 feet to the North line of said Parcel B;
thence South 89° 25' 23" East 570.21 feet along said North line to the point of beginning, containing 20.73 acres, subject to covenants, easements and restrictions of record.

LEGEND

- SECTION LINE
- PROPERTY LINE
- ADJOINING LOT LINE
- EASEMENT LINE
- FOUND 5/8" REBAR W/ORANGE CAP NO. 13480 UNLESS OTHERWISE NOTED
- SET 5/8" IRON REBAR W/ORANGE CAP NO. 13480
- SET PK NAIL
- U.E. UTILITY EASEMENT
- R.O.W. RIGHT-OF-WAY

OWNER

TODD HILLS, LLC
1840 COMMERCIAL DRIVE
WALFORD, IA 52351
CONTACT PERSON: MR. LOREN HARTELT
PHONE: 319-929-7414
FAX: 319-845-3068
E-MAIL: lhartelt@schroedergrp.com

PREPARED BY

SCHNOOR-BONIFAZI
ENGINEERING & SURVEYING, LC
431 FIFTH AVENUE SW
CEDAR RAPIDS IA 52404
CONTACT PERSON: LEO BONIFAZI, PLS
PHONE: 319-298-8888

DATE OF SURVEY

XXXX

NOTES:

1. LOT A IS NOW BEING DEDICATED TO THE CITY OF HIAWATHA AS PUBLIC RIGHT-OF-WAY TO BE KNOWN AS TODD HILLS ROAD.
2. LOT B IS NOW BEING DEDICATED TO THE CITY OF HIAWATHA AS PUBLIC RIGHT-OF-WAY TO BE KNOWN AS MCLAIN WAY.
3. LOT C AND LOT D IS NOW BEING DEDICATED TO THE CITY OF HIAWATHA AS PUBLIC RIGHT-OF-WAY TO BE KNOWN AS REED ROAD.
4. OUTLOT A IS TO BE PRIVATELY OWNED AND MAINTAINED FOR DETENTION BASIN PURPOSES.

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

LEO P. BONIFAZI 13480 — LICENSED PROFESSIONAL LAND SURVEYOR — IOWA

SIGNATURE: _____ DATE: 10/19/2018
LEO P. BONIFAZI
LICENSE NO: 13480
SHEETS COVERED BY THIS SEAL: 1 OF 1
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2019

LOCATION MAP

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD
C1	282.74'	180.00'	90°00'00"	N 44°02'15" E	254.56'
C2	282.74'	180.00'	90°00'00"	N 45°57'45" W	254.56'
C3	185.56'	120.00'	88°36'22"	N 46°39'34" W	167.63'
C4	99.13'	120.00'	47°20'55"	S 65°10'33" W	96.37'
C5	148.95'	180.00'	47°24'40"	S 65°12'25" W	144.73'
C6	99.56'	120.00'	47°32'10"	N 65°16'10" E	96.73'
C7	74.27'	180.00'	23°38'26"	N 76°15'44" E	73.74'
C8	74.84'	180.00'	23°45'25"	N 52°33'46" E	74.10'
C9	76.29'	180.00'	24°17'01"	N 28°32'35" E	75.72'
C10	54.55'	180.00'	17°21'50"	N 07°43'10" E	54.34'
C11	85.61'	180.00'	27°14'58"	S 75°17'16" W	84.80'
C12	63.34'	180.00'	20°09'42"	S 51°34'56" W	63.01'
C13	37.91'	120.00'	18°06'10"	N 79°59'10" E	37.76'
C14	61.65'	120.00'	29°26'00"	N 58°13'05" E	60.97'
C15	188.50'	120.00'	90°00'00"	S 45°57'45" E	169.71'
C16	2.92'	120.00'	1°23'38"	N 01°39'34" W	2.92'
C17	185.56'	120.00'	88°36'22"	N 46°39'34" W	167.63'
C18	188.50'	120.00'	90°00'00"	N 44°02'15" E	169.71'
C19	10.37'	180.00'	3°18'06"	N 02°36'47" W	10.37'
C20	86.15'	180.00'	27°25'24"	N 17°58'33" W	85.33'

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD
C21	103.77'	180.00'	33°01'46"	N 48°12'08" W	102.33'
C22	82.45'	180.00'	26°14'44"	N 77°50'23" W	81.73'
C23	30.14'	180.00'	9°35'39"	N 84°14'26" E	30.11'
C24	101.21'	180.00'	32°12'56"	N 63°20'07" E	99.88'
C25	17.99'	180.00'	5°43'33"	N 44°21'32" E	17.98'
C26	94.62'	120.00'	45°10'42"	S 66°15'40" W	92.19'
C27	4.55'	120.00'	2°10'13"	S 47°35'12" W	4.55'
C28	54.00'	180.00'	17°11'22"	S 08°33'26" E	53.80'
C29	61.46'	180.00'	19°33'52"	S 27°56'03" E	61.17'
C30	61.46'	180.00'	19°33'52"	S 47°29'55" E	61.17'
C31	55.15'	180.00'	17°33'14"	S 66°03'28" E	54.93'
C32	50.67'	180.00'	16°07'39"	S 82°53'55" E	50.50'
C33	282.74'	180.00'	90°00'00"	S 45°57'45" E	254.56'
C34	149.34'	180.00'	47°32'10"	N 65°16'10" E	145.09'

AREAS

QUARTER	QUARTER	AREA
NW1/4	NW1/4 19-84-7	16.90 AC
SW1/4	NW1/4 19-84-7	3.83 AC
TOTAL		20.73 AC

FINAL PLAT
TODD HILLS FIRST ADDITION TO HIAWATHA, IOWA

FINAL PLAT

DRAFT

RESOLUTION NO. 18-
City Council

RESOLUTION AUTHORIZING CONTRACTOR TO PROCEED WITH IMPROVEMENTS INSTALLATION FOR TODD HILLS FIRST ADDITION

WHEREAS, plans, profiles, cross sections, and specifications for construction of improvements in Todd Hills First Addition to the City of Hiawatha, Linn County, Iowa have been submitted to the City of Hiawatha, and

WHEREAS, the City Engineer has reviewed said plans, profiles, cross sections and specifications for construction of improvements including sanitary sewer, storm sewer, water main, street paving along with drain tile and seven (7) LED urbanscape street lights, in Todd Hills First Addition to the City of Hiawatha, Linn County, Iowa, and recommends that they are in conformance to preliminary plat and design standards of the City of Hiawatha, and

WHEREAS, the Hiawatha Water Superintendent has reviewed the plan of improvements for Peck's Landing First Addition to the City of Hiawatha, Linn County, Iowa, and recommends approval, and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to grant permission for Contractor to proceed with installation of improvements in Todd Hills First Addition including sanitary sewer, storm sewer, water main, street paving along with drain tile and seven (7) LED urbanscape street lights to the City of Hiawatha, Linn County, Iowa.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 7th day of November, 2018.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk