



HARDIN COUNTY
Board of Supervisors

Wednesday, November 17, 2021

NOTICE: Meetings will be held electronically and in-person. To access and participate in meetings remotely, please call 641-939-8108 for Zoom meeting information.

1. 9:00 A.M. Call To Order
Courthouse Large Conference Room
2. Pledge Of Allegiance
3. Approval Of Agenda
4. Approval Of Claims For Payment

Documents:

[VENDOR PUBLICATION REPORT 11.17.21.PDF](#)

5. IFADC Update
6. Utility Permits & Secondary Roads Department

Documents:

[ALLIANT ENERGY PERMIT 21-016.PDF](#)

7. Annual Urban Renewal Report, Fiscal Year 2020-2021

Documents:

[URBAN RENEWAL REPORT.PDF](#)

8. Other Business
9. Adjournment/Recess
10. 9:30 A.M. Drainage
Courthouse Large Conference Room



Vendor Name	Vendor Number	Payable Description	Total Payments
Agsource Cooperative Serv	2607V	Calkins Testing	101.00
AgVantage FS	690V	Fuels	4,213.86
Airgas North Central	633V	welding tank rentals	439.27
Alliant Energy	4253V	Utilities Acct-7130790000	6,505.02
Black Hills Energy	4450V	Garden City utilities	71.90
Brennen Reysack	100348	Meeting Reimburse-Brushy Creek	15.00
Builders FirstSource	100646	fiberglass rebar	765.00
Builders FirstSource	677V	Shelter House Materials	3,821.92
Campbell Supply Co	620V	grinder and accessories	211.67
Camryn Grubic	100647	Hotel Reimburse	117.00
Carol Alt	2642V	Elections-City/School IFFD	66.00
Center Associates	883V	Training	273.00
Cintas-Chicago	2475V	shop uniforms and towels	194.62
Connie Surls	2545V	Elections-City/School IFFD	73.00
Craig W Boomgarden	532E	Phone Reimburse- Acct-687809820-00001	40.00
Danko Emergency Equipment	6338V	Fire Safety Products	1,158.55
Donald Jones	63247V	Elections-City/School IFFD	66.00
Eldora City Ambulance	62606V	Inmate Medical	7,145.00
Eldora Hardware	2647V	Building Supplies	11.34
Eric Oppen	100750	Elections-City/School IFFD	146.00
Fareway Stores-Ia. Falls	717V	VA-Taylor 10.25.21	294.50
Franklin Rural Elec Co-Op	1128V	intersection light S41 & C73	30.00
GECRB/AMAZON	2403V	Batteries	107.96
Gehrke Inc.	6131V	Rock Delivered	1,901.40
Hardin County Solid Waste & Recycling	4322V	Sanitation	36.85
Hawkeye West Pest Control	2637V	Engineer's office pest control	60.00
Homestead Evergreens	6072V	Christmas Garland	221.00
Honey Creek Land Improvement, LLC	100479V	Spraying Open Ditch-DD148-7.1.21	1,100.00
Innovative Ag Services Hubbard	868V	Fuels	1,195.04
Iowa Department of Agriculture and Lar	100250	License FY22- #07183-000-Paper	15.00
Iowa Department of Transportation	1007V	sign tubing and anchor	2,904.75
Iowa Drainage District Association	100809	Annual Meeting- IDDA FY22-McClellan	210.00
Jolene Teske	100967	Elections-City/School IFFD	119.30
Kate Hornung	100966	Elections-City/School IFFD	100.50
Kit Paper	100328	Phone Reimburse- Acct-680555131-00001	95.00
LaVelle Lawn Care LLC	63690V	Pine Ridge Campground-Mowing Oct21	300.00
LiftOff LLC	2865V	Maintenance Agreements	2,608.00
Linn Adams	9245E	Cell Phone Allowance 11/21	40.00
M & G Tire Service	2615V	Batter/Sensor Repair/Tire Repair	337.72
Marla Kay Williams	2268V	ME- Kuper11.4.21	296.20
Medicap Pharmacy #8095	5729V	Prescriptions	2,089.89
Mid American Energy	728V	Utility Assistance-Ubben	65.82
Moler Sanitation	100385	Sanitation- Oct 21	55.00
Napa Auto Parts Ackley	869V	#205 filters	589.78
NAPA Auto Parts Eldora	617V	Parts	44.99
NE IA Area Agency on Aging	2632V	FY22 - Area Agency on Aging	10,000.00
Premier Office Equipment, Inc.	62320V	Printer Acct-P24513	232.87
Pro Repair & Performance	1690V	Plow Repair	45.00
Public Employee Health Fund	1782V	Jeff State Health Insurance	782.94
Quaker Security LLC	100507	Courthouse Security	1,440.00
R Comm LLC	63277V	6 Pagers-Alden 1st Responders	8,344.90
R.D.'s Plumbing Inc	63077V	Plumbing Work-Boat Club	654.63
Ray O'Herron Co. Inc.	100539	Uniforms	252.56
RC Systems- Waterloo Office	2077V	Equipment	346.00
Reliable1	1102V	Calkins-	95.00

Vendor Publication Report**Payment Date Range: 11/17/2021 - 11/17/2021**

Vendor Name	Vendor Number	Payable Description	Total Payments
Ron Hornung	2486V	Elections-City/School IFFD	125.00
Schneider Geospatial LLC	100763	Quarterly Beacon Mapping	2,325.00
Schumacher Elevator Co.	2130V	Maintenance Courthouse/Annex	524.92
Shield Pest Control LLC	63086V	Pest Control	125.00
South Hardin Signal Review Inc	537V	notice of letting, cash rent	80.58
Speck Electric	63534V	Cat6 Wiring-Server Room	110.98
Storey Kenworthy	61798V	Courthouse Supplies/ Treasurer	115.08
Summit Food Service LLC	2332V	Food Service	4,251.51
Theisens	6220V	fittings	70.55
Times Citizen	538V	Secondary Roads Help Wanted Ads	311.00
Tyler Swenson	100969	IFPD Employment Contract	8,493.50
US Bank Equipment Finance	954V	Equipment Repair and Maint	1,260.84
Van Wall Equipment, Inc.	2924V	parts	9.87
Vanguard Appraisals, Inc	5433V	Appraisal Services- Oct21 Cargill	387.50
Veridian Credit Union	63561V	Marti J Brooks 09/29/21-10/28/21	133.74
Verizon Connect Nwf, Inc-Dallas	100620	Phones- Acct HARD014	18.19
Wesley Wiese	522E	Phone Reimburse-Acct-852308082-Oct	40.00
Wilcox Equipment	61738V	Equipment	240.00
Youth Shelter Care of North Central Iov	3047V	Shelter Care-Burgin-10/21	718.62
Yulisa Garibay	100887	October Cabin Cleaning-	340.00
		Grand Total:	<u>82,129.63</u>



HARDIN COUNTY UTILITY PERMIT APPLICATION

Permit No: UT-21-016

- Underground, Aerial, Permanent Installation, Temporary Installation checkboxes

This is a Utility Permit Application for telecommunications, electric, gas, water and sewer utilities. The applicant agrees to comply with the following permit requirements...

APPLICANT NAME: Alliant Energy (IP&L)

STREET ADDRESS: 905 Otley Ave

CITY: Pery STATE: IA ZIP: 50220

PHONE: 515-845-7412 FAX: CONTACT PERSON: Joshua Long

TYPE OF WORK: Life extension and maintenance on existing overhead line. Changing of cutouts, arresters, crossarms, transformers, etc.

1. LOCATION PLAN

An applicant shall file a completed location plan as an attachment to this Utility Permit Application. The location plan shall set forth the location of the proposed line on the secondary road system and include a description of the proposed installation.

2. WRITTEN NOTICE

At least five (5) working days prior to the proposed installation, an applicant shall file with the County Engineer a written notice stating the time, date, location, and nature of the proposed installation.

3. INSPECTION

The County Engineer may provide a full-time inspector during the installation of all lines to ensure compliance with this Utility Permit. The inspector shall have the right, during reasonable hours and after showing proper identification, to enter any installation site in the discharge of the inspector's official duties, and to make any inspection or test that is reasonably necessary to protect the public health, safety, and welfare.

4. INSPECTION FEES

The applicant shall pay actual costs directly attributable to the installation inspection conducted by the County Engineer. Within thirty (30) days after completion of the installation, the County Engineer shall submit a statement for inspection services rendered. The applicant agrees to reimburse the county within thirty (30) days of billing.

5. REQUIREMENTS

The installation inspector shall assure that the following requirements have been met:

- A. Construction signing shall comply with the Manual on Uniform Traffic Control Devices
B. Depth - (Add additional depth if ditch has silted to the thickness of the deposited silt.) The minimum depth of cover shall be as follows:
Table with 2 columns: Utility Type and Depth
C. Minimum roadway overhead clearance for utility lines shall be 20 feet.
D. The applicant shall use reference markers in the right-of-way (ROW) boundary to locate line and changes in alignment as required by the County Engineer. A permanent warning tape shall be placed one (1) foot above all underground utility lines.
E. All tile line locations shall be marked with references located in the ROW line.
F. No underground utility lines shall cross over a crossroad drainage structure without approval from the County Engineer.
G. Residents along the utility route shall have uninterrupted access to the public roads. An all weather access shall be maintained for residents adjacent to the project.
H. After construction, granular surfacing shall be added to the road by the applicant to restore the road to its original condition. After surfacing has been applied, the road surface shall be reviewed by the County Engineer once the road has been saturated, to determine if additional surfacing on the roadway by the applicant is necessary.
I. All damaged areas within the ROW shall be repaired and restored to at least their former condition by the applicant or the cost of any repair work caused to be performed by the county will be assessed against the applicant.
J. Areas disturbed during construction which present an erosion problem shall be solved by the applicant in a manner approved by the County Engineer.
K. All trenches, excavations, and utilities that are knifed shall be properly tamped.
L. All utilities shall be located between the bottom of the backslope and the bottom of the foreslope, unless otherwise approved in writing by the County Engineer prior to installation.
M. Road crossing shall be bored. The depth below the road surface shall match the minimum depth of cover for the respective utility.

6. NON-CONFORMING WORK

The County Engineer may halt the installation at any time if the applicant's work does not meet the requirements set forth in this Utility Permit Application.

7. COUNTY INFRACTION

Violation of this permit is a county infraction under Iowa Code Section 331.307, punishable by a civil penalty of \$100 for each violation. Each day that a violation occurs or is permitted to exist by the applicant constitutes a separate offense.

8. HOLD HARMLESS

The utility company shall save this county harmless of any damages resulting from the applicant's operations. A copy of a certificate of insurance naming this county as an additional insured for the permit work shall be filed in the County Engineer's Office prior to installation. The minimum limits of liability under the insurance policy shall be \$1,000,000.

9. PERMIT REQUIRED

No applicant shall install any lines unless such applicant has obtained a Utility Permit from the County Engineer and has agreed in writing that said installation will comply with all ordinances and requirements of the county for such work. Applicants agree to hold the county free from liability for all damage to applicant's property which occurs proximately as a result of the applicant's failure to comply with said ordinances or requirements.

10. RELOCATION

The applicant shall, at any time subsequent to installation of utility lines, at the applicant's own expense, relocate or remove such lines as may become necessary to conform to new grades, alignment or widening of ROW resulting from maintenance or construction operations for highway improvements.

DATE: 11/10/21 COMPANY: Alliant Energy (IP&L)

SIGNATURE: Matthew O. Deam

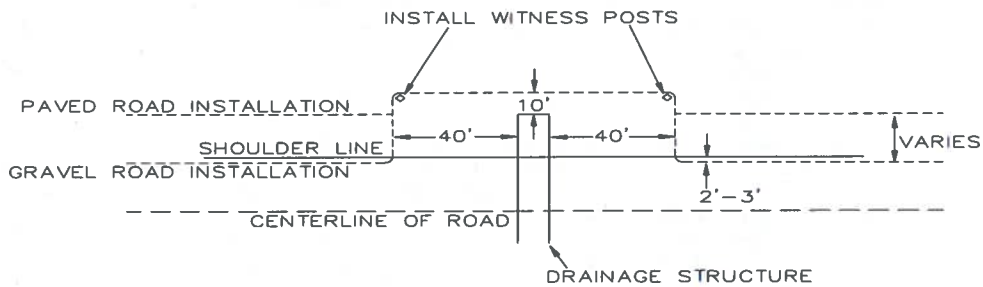
RECOMMENDED FOR APPROVAL:

DATE: _____ COUNTY ENGINEER

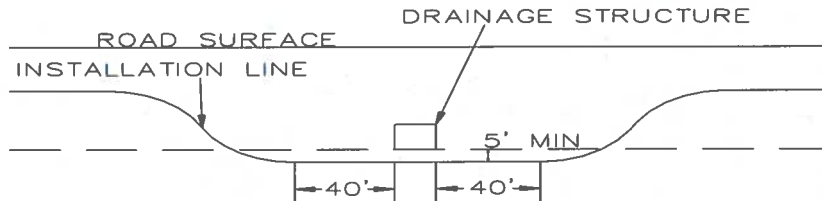
APPROVAL:

DATE: _____ CHAIRMAN, BOARD OF SUPERVISORS

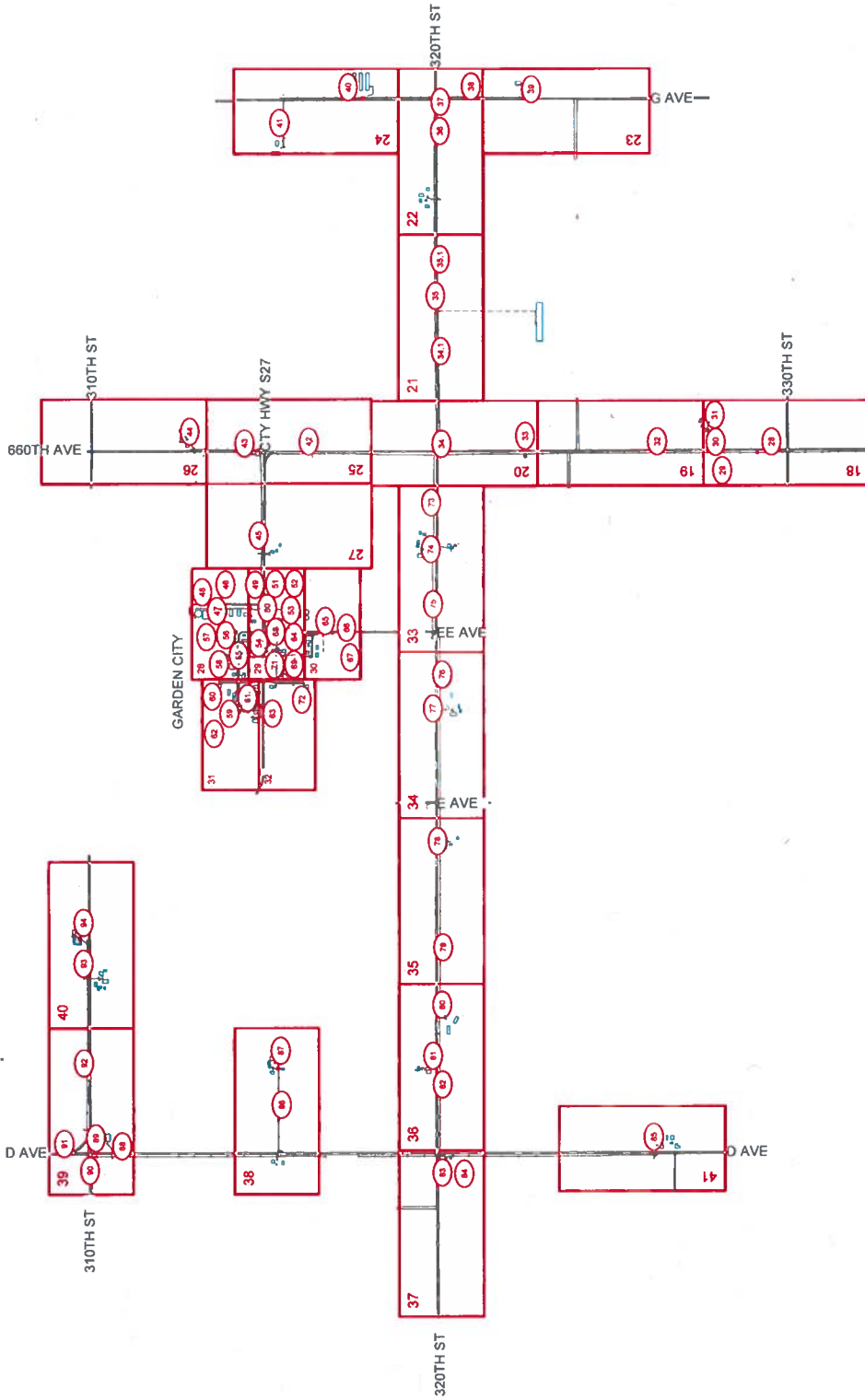
NON-BORED INSTALLATION DETAIL



BORED INSTALLATION DETAIL



UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION AND CONTACT WITH UTILITY OWNERS. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY IPL CONSTRUCTION STANDARDS AT ALL TIMES. GUYING ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GENERAL REAL WORLD LOCATIONS AND DIRECTION, AND SHOULD NOT BE INTERPRETED AS EXACT. SOME INTENDED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



ALLIANT ENERGY HAS DIRECTED THAT ENGINEERING RISING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A MI-TECH ENGINEER DOES NOT REVIEW THE PLAN SET, INCLUDING ALL CALCULATIONS OR ANALYSIS, FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. MI-TECH WILL USE INDUSTRY STANDARDS FOR REVIEWS AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY.

ALLIANT ENERGY WORK REQUEST #		4236492	
FIELD BY:	DATE:	9/22/2021	
D.V.			
DRAFTED BY:	DATE:	11/5/2021	
T.J.			
DESIGNED BY:	DATE:	9/22/2021	
D.V.			
FOR W. RE.	APPROVAL DATE:		
A.S.			



NEW POLE	NEW PFD NEW	NEW PFD EXISTING	WARNING MARKER	METER	PHASING	SKINS	STREET LIGHT	COMMA PRESTAL
TRANSMISSION POLE NEW	POLE EXISTING	POLE EXISTING	ANCHOR NEW	ANCHOR EXISTING	FUSE NEW	FUSE EXISTING	GROUND NEW	GROUND EXISTING
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EXISTING SECONDARY/SERVICE	NEW SECONDARY	EXISTING LINE LUG	NEW 3PH LINE LUG	NEW 3PH LINE LUG	EXISTING LINE OH	NEW 3PH LINE OH	NEW 3PH LINE OH
SEWER	GAS	WATER	ELECTRICAL	STORM	SANITARY	CABLE TV	TELEPHONE

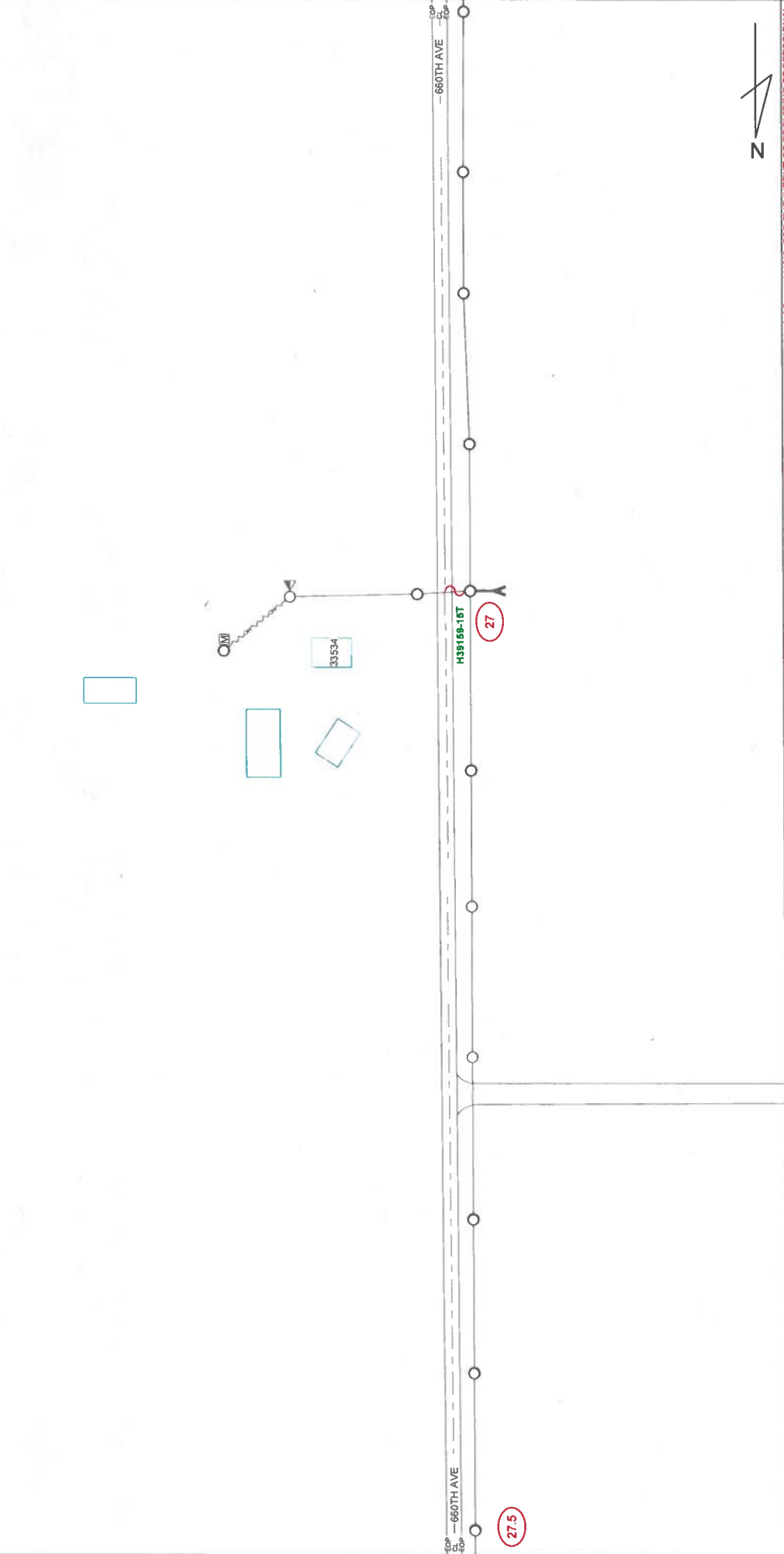
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MI-TECH
 Paul Da, Inc. - Omaha, Neb. - Madison, Wis. - 603.602.8000

LOCATION: MCCALLSBURG, IA

N	S
W	E

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mi-tech
Field Div. LLC - Omaha, Neb. | 402.646.1800 | 800.443.8200

SYMBOL LEGEND

●	TRANSMISSION POLE NEW	●	NEW POLE
○	TRANSMISSION POLE EXISTING	□	POWER PAD EXISTING
○	POLE EXISTING	□	POWER PAD NEW
○	ANCHOR NEW	□	ANCHOR EXISTING
○	ANCHOR EXISTING	□	WARNING MARKER
○	POLE NEW	□	METER
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○	GROUND EXISTING	□	STREET LIGHT
○	GROUND NEW	□	COMMON PEDestal
○	TRANSFORMER 3PH POLE MOUNTED EXISTING	□	SWITCH H.C. EXISTING
○	TRANSFORMER 3PH POLE MOUNTED NEW	□	SWITCH H.C. NEW
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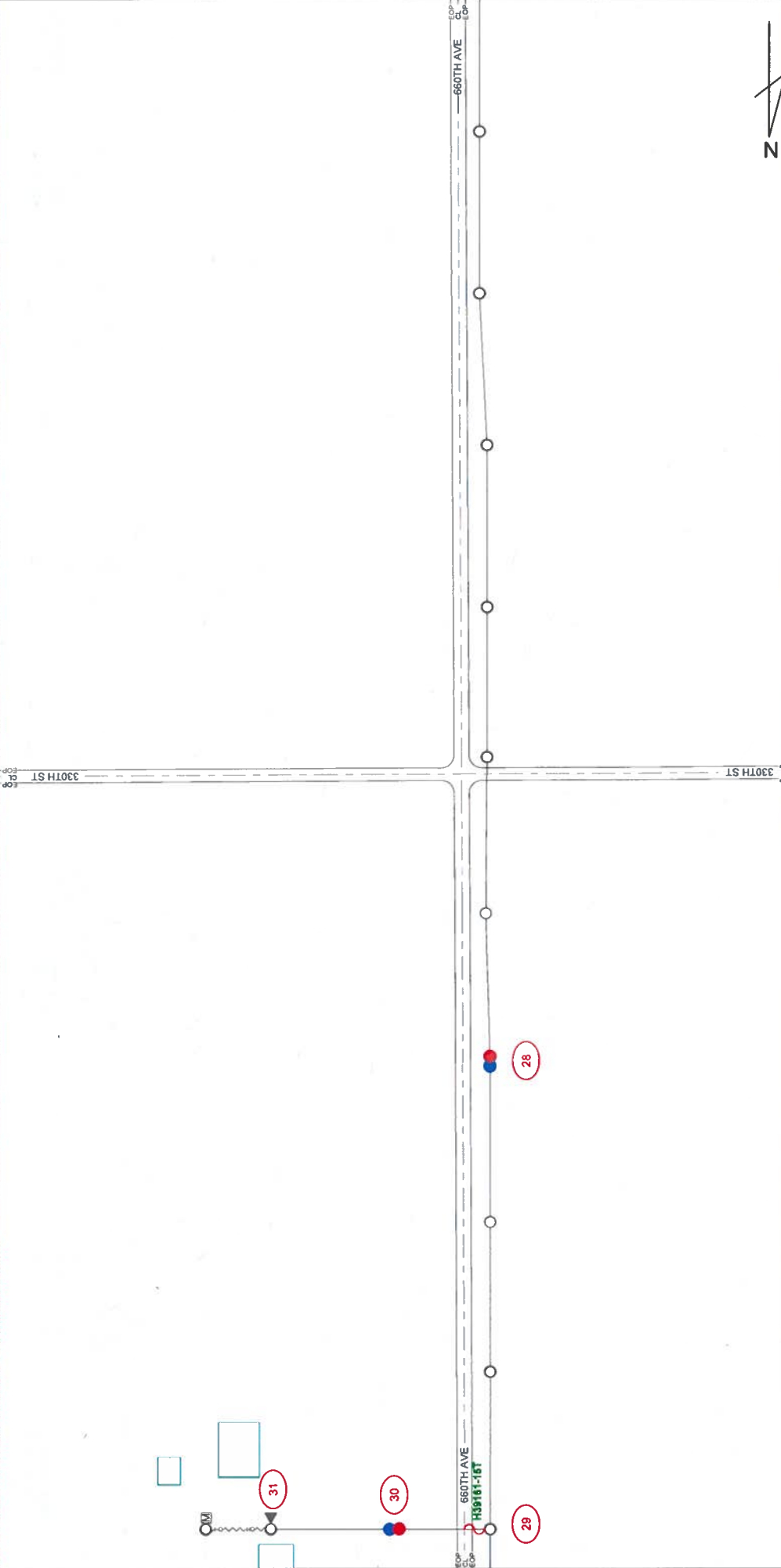
LINETYPES

---	EXISTING SECONDARY/SERVICE	---	EASEMENT
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---	EXISTING LINE UG	---	WATER
---	NEW 3PH LINE UG	---	ELECTRICAL
---	NEW 3PH LINE UG	---	STORM
---	EXISTING LINE OH	---	SANITARY
---	NEW 3PH LINE OH	---	CABLE TV
---	NEW 3PH LINE OH	---	TELEPHONE



FIELD INFORMATION

ALLIANT ENERGY WORK REQUEST #	4236482	LOCATION	MCCALLSBURG, IA
FIELD BY:	D.V.	DATE	8/22/2021
DRAWN BY:	T.J.	DATE	1/15/2021
DESIGNED BY:	D.V.	DATE	9/22/2021
IOWA P.E.	A.S.	APPROVAL DATE	

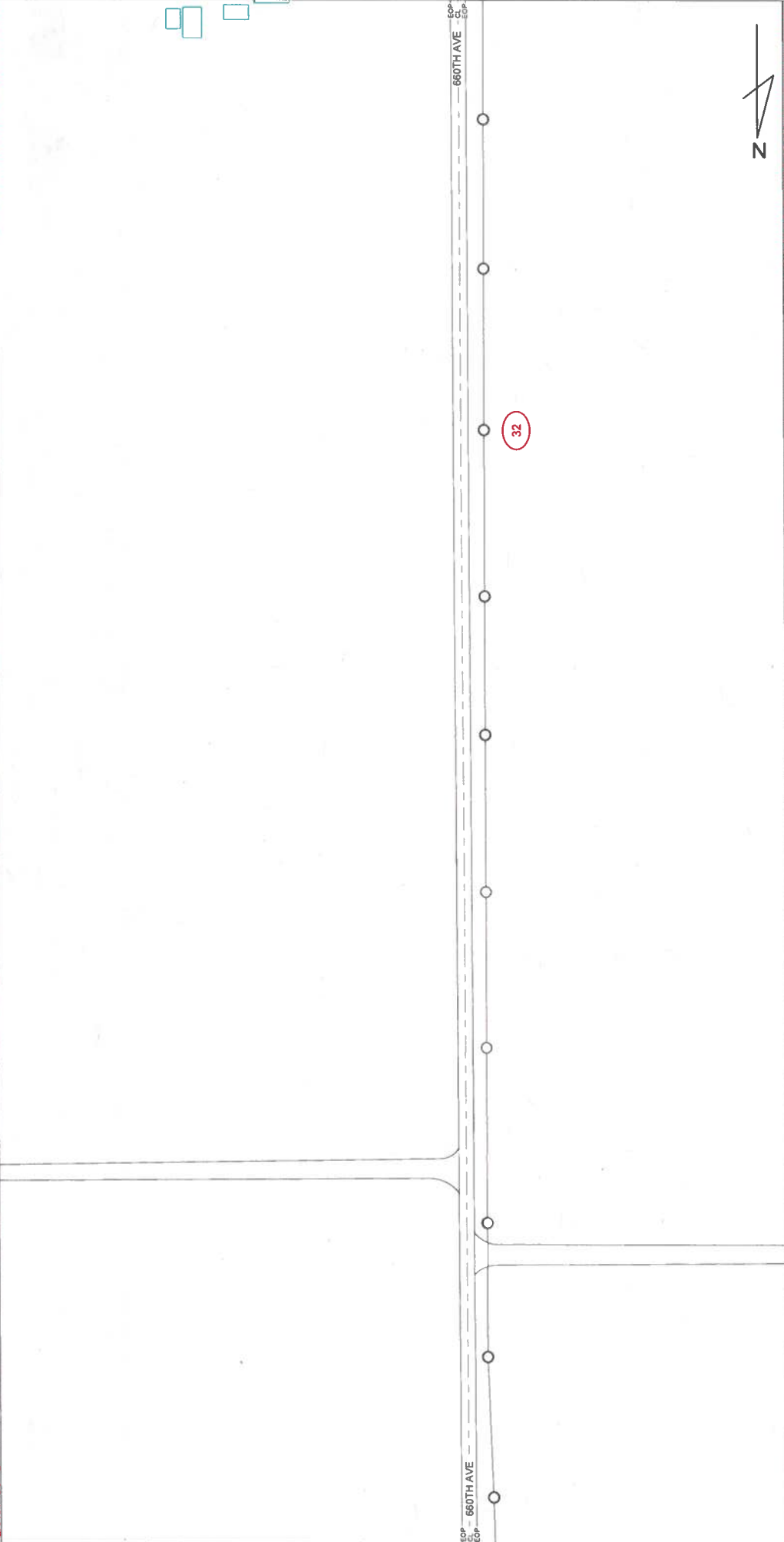
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 <p>MI-TECH Field Dr., Lee, Chesley Bldg., Hamilton, Illinois, USA 800.662.8000</p>		<p>DATE: 9/22/2021 D.V. [Redacted]</p> <p>DATE: 11/5/2021 DRAFTED BY: T.J.</p> <p>DATE: 9/22/2021 DESIGNED BY: [Redacted]</p> <p>DATE: [Redacted] APPROVAL DATE: [Redacted]</p> <p>KOWA PE A.S.</p>																																																																					
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	SWITCH N.C. EXISTING		METER																																																																				
<p>LINE TYPES</p> <table border="0"> <tr> <td></td> <td>GAS</td> <td></td> <td>WATER</td> </tr> <tr> <td></td> <td>ELECTRICAL</td> <td></td> <td>STORM</td> </tr> <tr> <td></td> <td>SANITARY</td> <td></td> <td>CABLE TV</td> </tr> <tr> <td></td> <td>TELEPHONE</td> <td></td> <td>NEW SECONDARY</td> </tr> <tr> <td></td> <td>EXISTING SECONDARY</td> <td></td> <td>EXISTING LINE</td> </tr> <tr> <td></td> <td>NEW 3PH LINE</td> <td></td> <td>NEW 1PH LINE</td> </tr> <tr> <td></td> <td>EXISTING 3PH LINE</td> <td></td> <td>EXISTING 1PH LINE</td> </tr> </table>					GAS		WATER		ELECTRICAL		STORM		SANITARY		CABLE TV		TELEPHONE		NEW SECONDARY		EXISTING SECONDARY		EXISTING LINE		NEW 3PH LINE		NEW 1PH LINE		EXISTING 3PH LINE		EXISTING 1PH LINE																																								
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	SANITARY		CABLE TV																																																																				
	TELEPHONE		NEW SECONDARY																																																																				
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mi-TECH
Engineering Services
1000 443 2029
P.O. Box 1000, McCallsburg, IA 50558

Alliant Energy

SYMBOL LEGEND

	TRANSFORMER 3PH PAD MOUNTED NEW		CAPACITOR NEW		NEW POLE
	TRANSFORMER 3PH PAD MOUNTED EXISTING		CAPACITOR EXISTING		POWER POLE NEW
	POLE EXISTING		SWITCH M.O. NEW		WARNING MARKER
	POLE NEW		SWITCH M.O. EXISTING		METER
	ANCHOR NEW		SWITCH M.C. NEW		PHASING
	ANCHOR EXISTING		SWITCH M.C. EXISTING		STREET LIGHT
	FUSE NEW		SWITCH H.C. NEW		COMM PEDestal
	FUSE EXISTING		SWITCH H.C. EXISTING		
	GROUND NEW				
	GROUND EXISTING				

LINE TYPES

	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE

	NEW SECONDARY
	EXISTING LINE LG
	NEW 3PH LINE LG
	NEW 3PH LINE LG
	EXISTING LINE OH
	NEW 3PH LINE OH
	NEW 3PH LINE OH

FILED BY: D.V. DATE: 9/22/2021
DRAFTED BY: T.J. DATE: 1/15/2021
DESIGNED BY: D.V. DATE: 9/22/2021
IOWA PE: A.S. APPROVAL DATE:

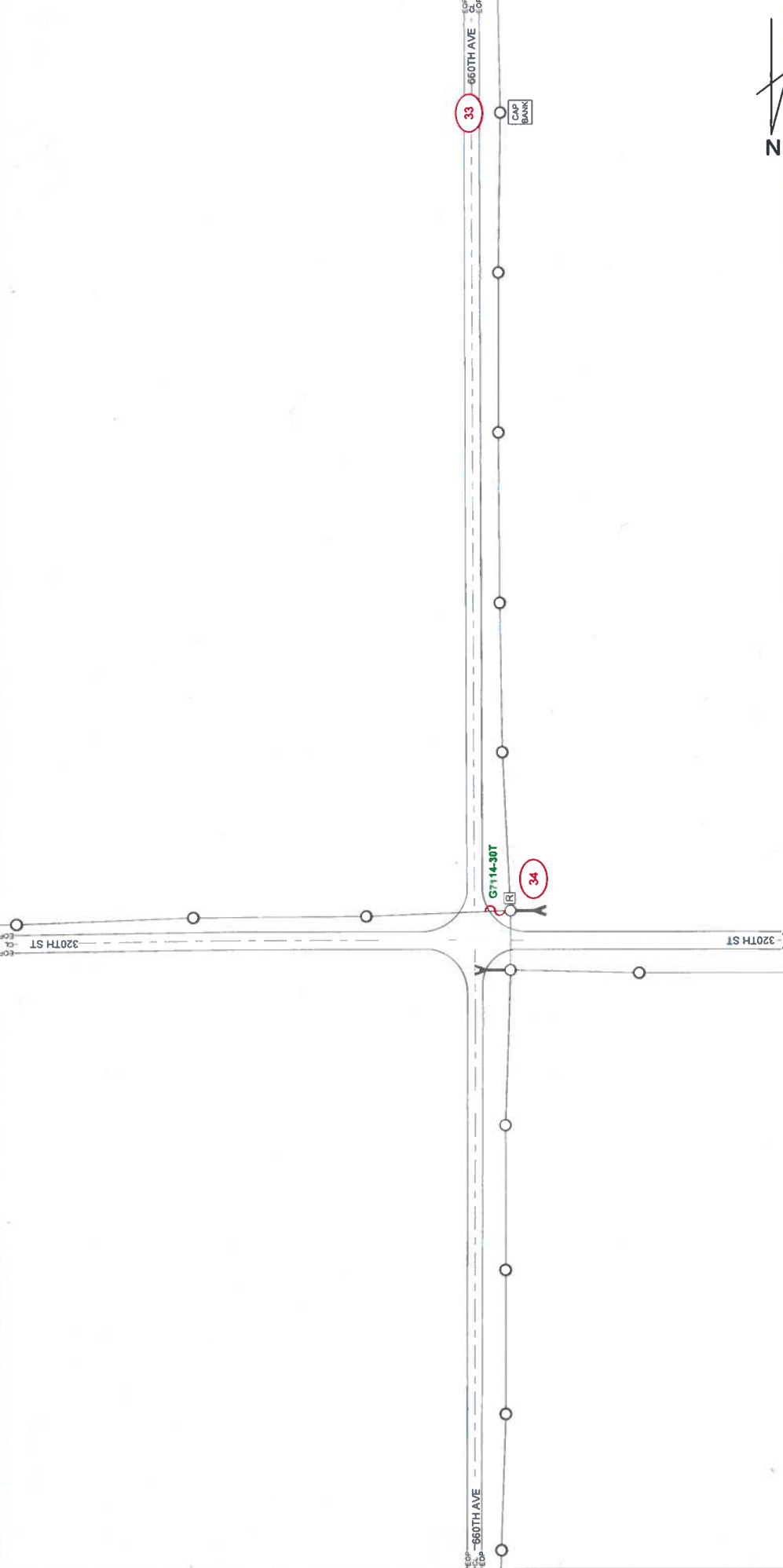
ALLIANT ENERGY WORK REQUEST # 4236492

LOCATION: MCCALLSBURG, IA

FIELD NO. 20
 SHEET NO. 19
 TOTAL SHEETS 18

ALLIANT ENERGY HAS DIRECTED THAT ENGINEERING RISING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A MI-TECH ENGINEER DOES NOT REVIEW THE PLAN SET, INCLUDING ALL CALCULATIONS OR ANALYSIS FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. MI-TECH ENGINEERS WILL USE INDUSTRY STANDARDS FOR REVIEWS AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY.

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LINE TYPES

EXISTING SECONDARY/SERVICE	---
NEW SECONDARY	---
EXISTING LINE UG	---
NEW 3PH LINE UG	---
NEW 3PH LINE UG	---
EXISTING LINE OH	---
NEW 3PH LINE OH	---
NEW 3PH LINE OH	---

SALEMENT

GAS	---
WATER	---
ELECTRICAL	---
STORM	---
SANITARY	---
CABLE TV	---
TELEPHONE	---

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	⊙
TRANSFORMER 3PH PAD MOUNTED EXISTING	⊙
TRANSFORMER 1PH PAD MOUNTED NEW	⊙
TRANSFORMER 1PH PAD MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊙
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 2PH POLE MOUNTED NEW	⊙
TRANSFORMER 2PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 1PH POLE MOUNTED NEW	⊙
TRANSFORMER 1PH POLE MOUNTED EXISTING	⊙

POLE NEW

TRANSMISSION	⊙
POLE EXISTING	⊙
ANCHOR NEW	⊙
ANCHOR EXISTING	⊙
POLE NEW	⊙
POLE EXISTING	⊙
GROUND NEW	⊙
GROUND EXISTING	⊙

NEW POLE

NEW POLE	⊙
POWER FED NEW	⊙
WARNING MARKER	⊙
METER	⊙
PHASING	⊙
SKINS	⊙
STREET LIGHT	⊙
CONAH PRESTAL	⊙

OTHER

CAPACITOR NEW	⊙
CAPACITOR EXISTING	⊙
SWITCH N.O. NEW	⊙
SWITCH N.O. EXISTING	⊙
SWITCH H.C. NEW	⊙
SWITCH H.C. EXISTING	⊙

MI-TECH
Field Dr. Inc. • Olney, MD • 410.443.8900

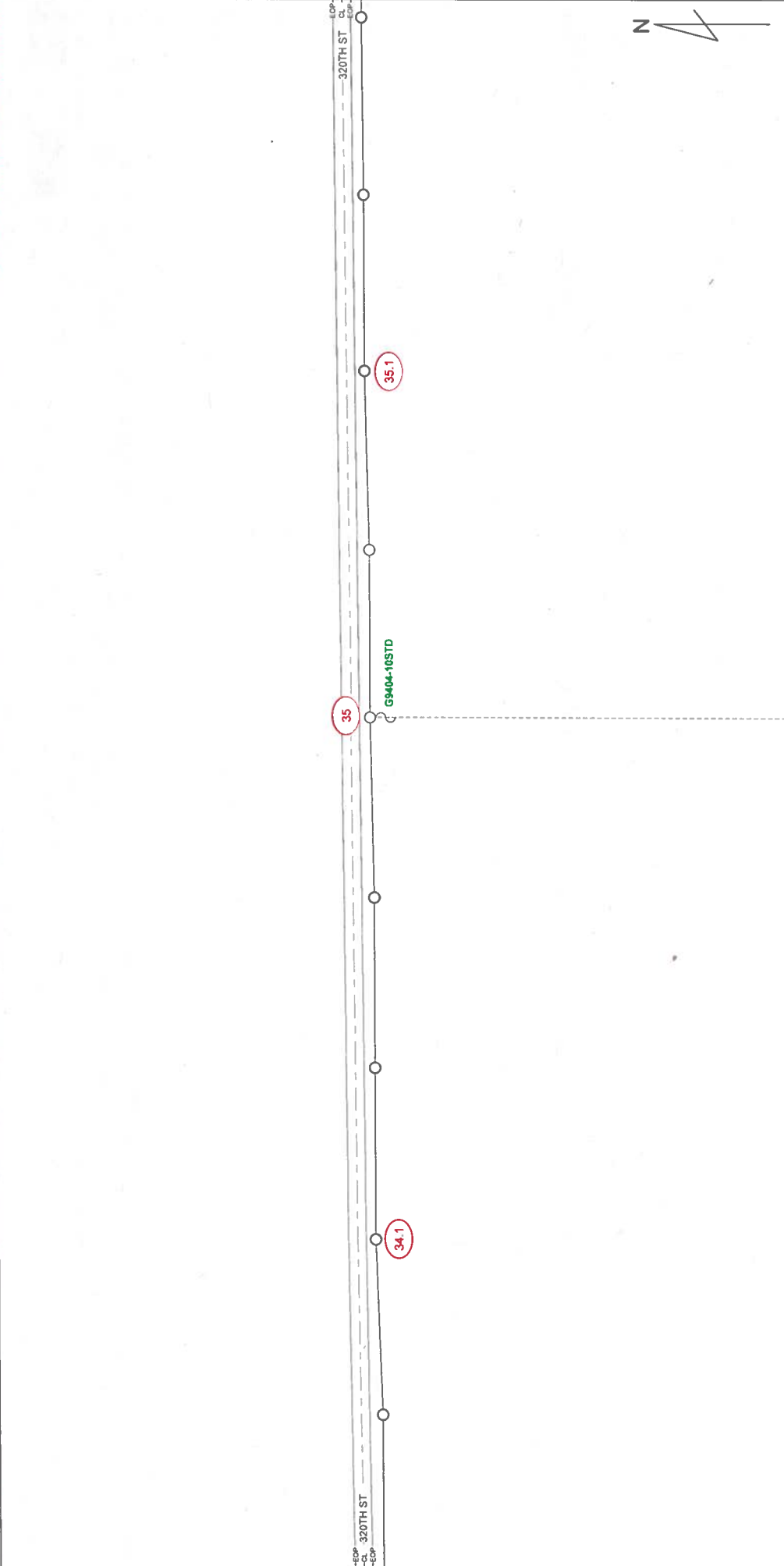
ALLIANT ENERGY WORK REQUEST # 4238492

FILED BY: D.V.	DATE: 9/22/2021
DRAFTED BY: T.J.	DATE: 11/15/2021
DESIGNED BY: D.V.	DATE: 9/22/2021
KOWA PE	APPROVAL DATE: A.S.

LOCATION: MCCALLSBURG, IA

25	33	19
20	21	

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mi-TECH
Field Dr. Inc. - Ames, IA - 50263-1800
800-643-9929

LINE TYPES

	EXISTING SECONDARY/SERVICE
	NEW SECONDARY
	EXISTING LINE UG
	NEW 3PH LINE UG
	NEW 3PH LINE UG
	EXISTING LINE OH
	NEW 3PH LINE OH
	NEW 3PH LINE OH

SYMBOL LEGEND

	TRANSFORMER 3PH PAD MOUNTED NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING
	TRANSFORMER 3PH POLE MOUNTED NEW
	TRANSFORMER 3PH POLE MOUNTED EXISTING
	TRANSFORMER 2PH POLE MOUNTED NEW
	TRANSFORMER 2PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING
	POLE NEW
	POLE EXISTING
	ANCHOR NEW
	ANCHOR EXISTING
	FUSE NEW
	FUSE EXISTING
	GROUND NEW
	GROUND EXISTING
	CAPACTOR NEW
	CAPACTOR EXISTING
	SWITCH M.O. NEW
	SWITCH M.O. EXISTING
	SWITCH M.C. NEW
	SWITCH M.C. EXISTING
	METER
	SKINS
	STREET LIGHT
	COMM PEDESTAL

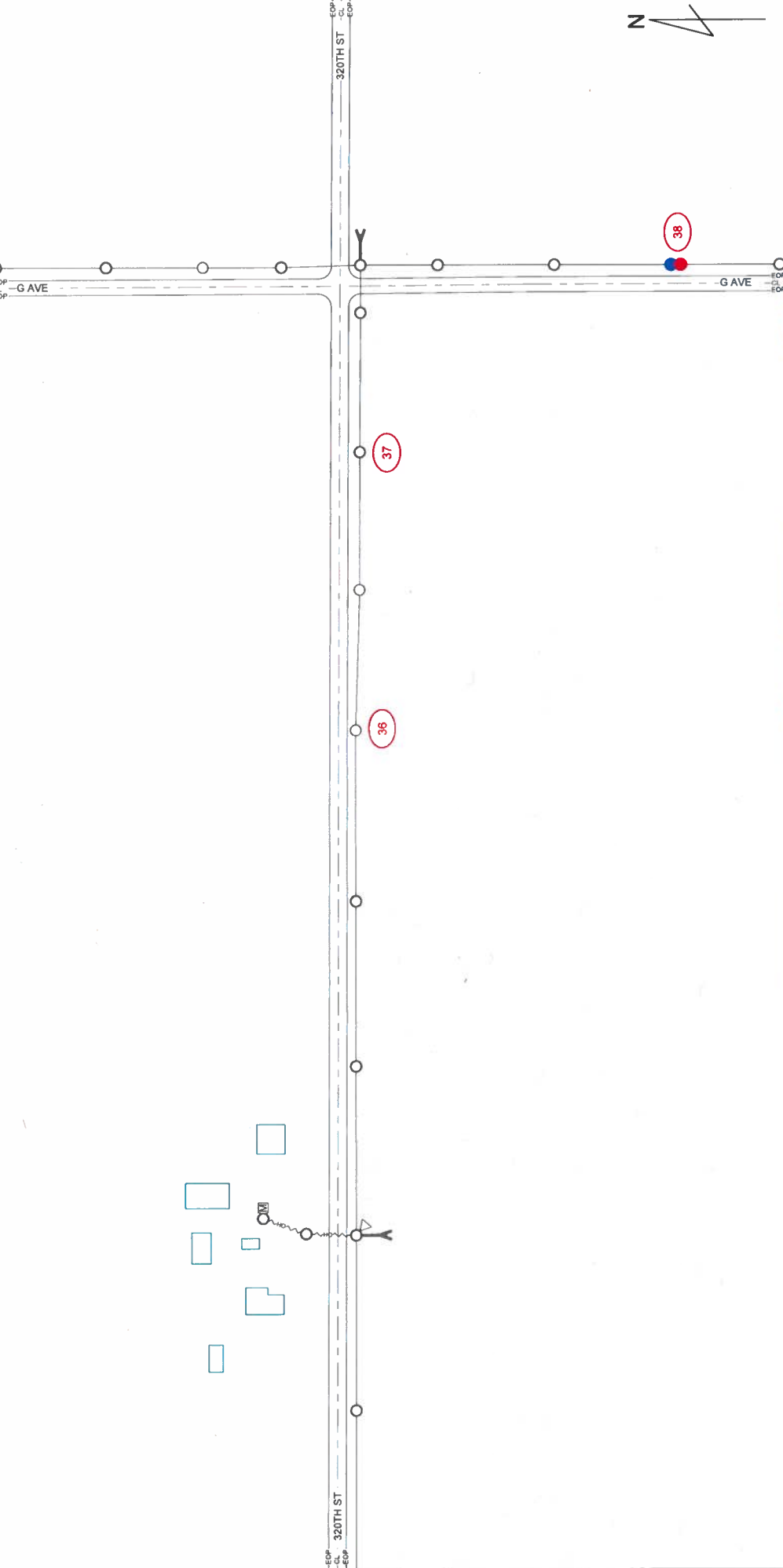
mi-TECH Energy

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ALLIANT ENERGY WORK REQUEST # 4236492 LOCATION: MCCALLSBURG, IA

FILED BY: D.V.	DATE: 9/22/2021
DRAFTED BY: T.J.	DATE: 1/15/2021
DESIGNED BY: D.V.	DATE: 9/22/2021
IOWA PE: A.S.	APPROVAL DATE:

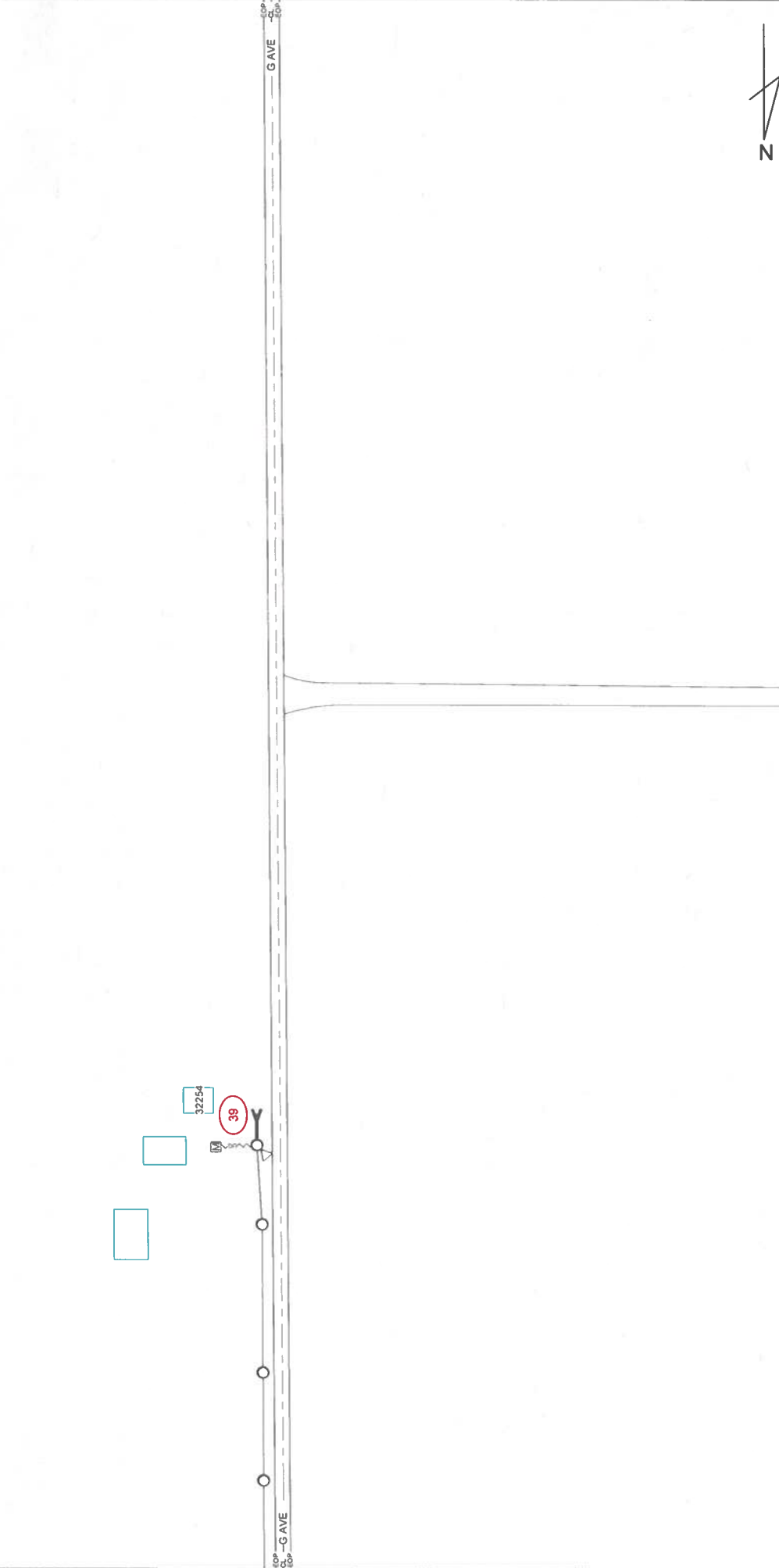
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				ALLIANT ENERGY WORK REQUEST # 42364492		LOCATION MCCALLSBURG, IA	
LINETYPES		SYMBOL LEGEND		FIELD BY: D.V. 9/22/2021		DATE: 9/22/2021	
EXISTING SECONDARY/SERVICE NEW SECONDARY EXISTING LINE UG NEW 3PH LINE UG NEW 3PH LINE OH EXISTING LINE OH NEW 3PH LINE OH NEW 3PH LINE OH		TRANSMISSION POLE NEW POLE EXISTING ANCHOR NEW ANCHOR EXISTING FUSE NEW GROUND NEW GROUND EXISTING		DRAFTED BY: T.J. 11/5/2021		DATE: 11/5/2021	
GAS WATER ELECTRICAL STORM SANITARY CABLE TV TELEPHONE		CAPACITOR NEW CAPACITOR EXISTING SWITCH N.O. NEW SWITCH N.O. EXISTING SWITCH N.C. NEW SWITCH N.C. EXISTING		DESIGNED BY: KOWA PE 9/22/2021		DATE: 9/22/2021	
TRANSFORMER 3PH PAD MOUNTED NEW TRANSFORMER 3PH PAD MOUNTED EXISTING TRANSFORMER 1PH PAD MOUNTED NEW TRANSFORMER 1PH PAD MOUNTED EXISTING TRANSFORMER 3PH POLE MOUNTED NEW TRANSFORMER 3PH POLE MOUNTED EXISTING TRANSFORMER 1PH POLE MOUNTED NEW TRANSFORMER 1PH POLE MOUNTED EXISTING		NEW POLE POWER PIG NEW WARNING MARKER METER PMU STREET LIGHT COMAH FEESTAL		APPROVAL DATE: KOWA PE 9/22/2021 A.S.		APPROVAL DATE: 21 23	

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ALLIANT ENERGY WORK REQUEST # 4236492 **LOCATION** MCCALLSBURG, IA

FILED BY: D.V. **DATE:** 8/22/2021
DRAFTED BY: T.J. **DATE:** 11/5/2021
DESIGNED BY: D.V. **DATE:** 9/22/2021
IOWA PE: A.S. **APPROVAL DATE:**

Alliant Energy

SYMBOL LEGEND

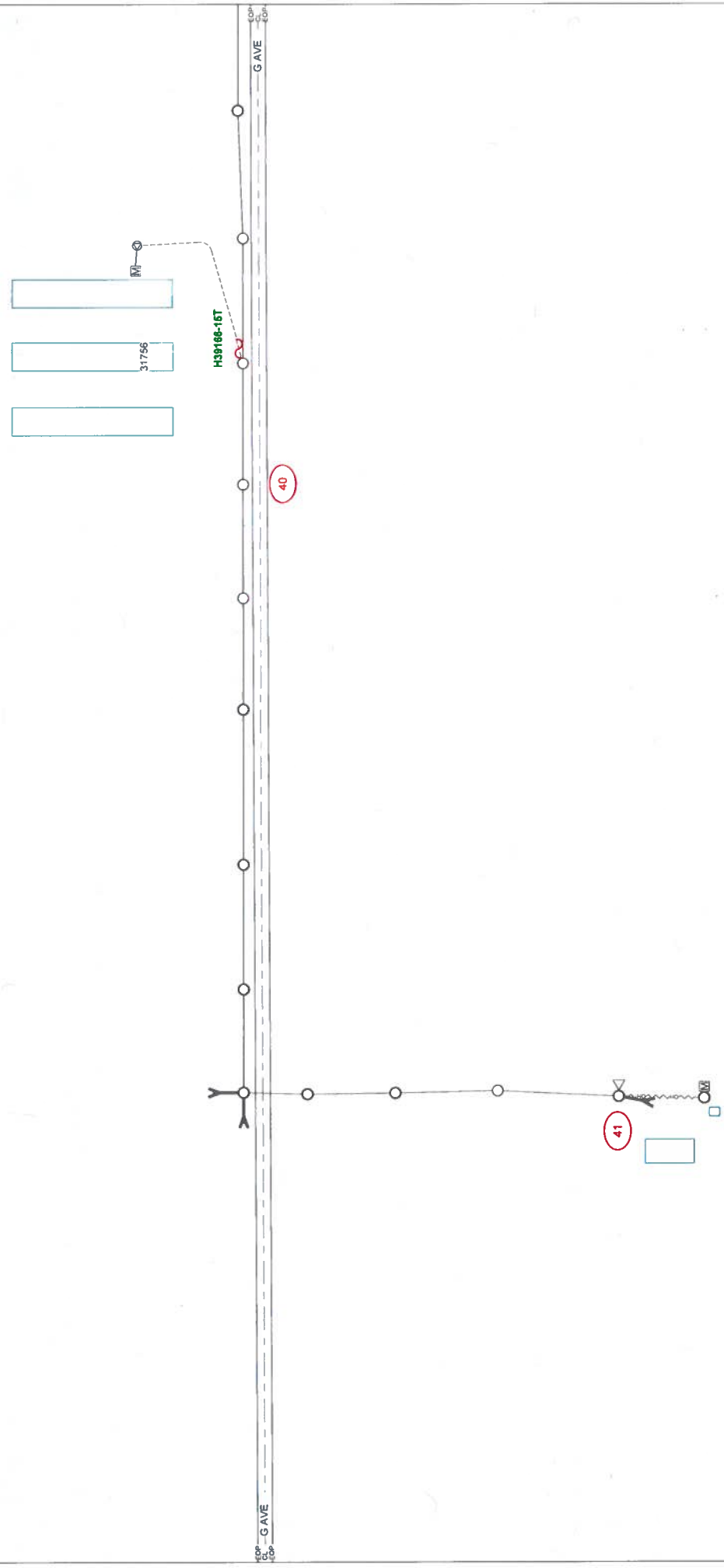
	TRANSFORMER 3PH PAD MOUNTED NEW		CAPACITOR NEW		NEW POLE
	TRANSFORMER 3PH PAD MOUNTED EXISTING		CAPACITOR EXISTING		POWER POLE EXISTING
	TRANSMISSION POLE EXISTING		SWITCH M.O. NEW		WARNING MARKER
	ANCHOR NEW		SWITCH M.O. EXISTING		METER
	FUSE NEW		SWITCH M.C. NEW		PHASING
	GROUND NEW		SWITCH M.C. EXISTING		SIGN
	GROUND EXISTING		SWITCH M.C. EXISTING		STREET LIGHT
	GROUND EXISTING		SWITCH M.C. EXISTING		COMM PEDestal

LINE TYPES



	BASEMENT
	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE

mi-TECH
 Field Dr. Lee • Oneida, Mo. • 65755-1800 • 417-899-8799

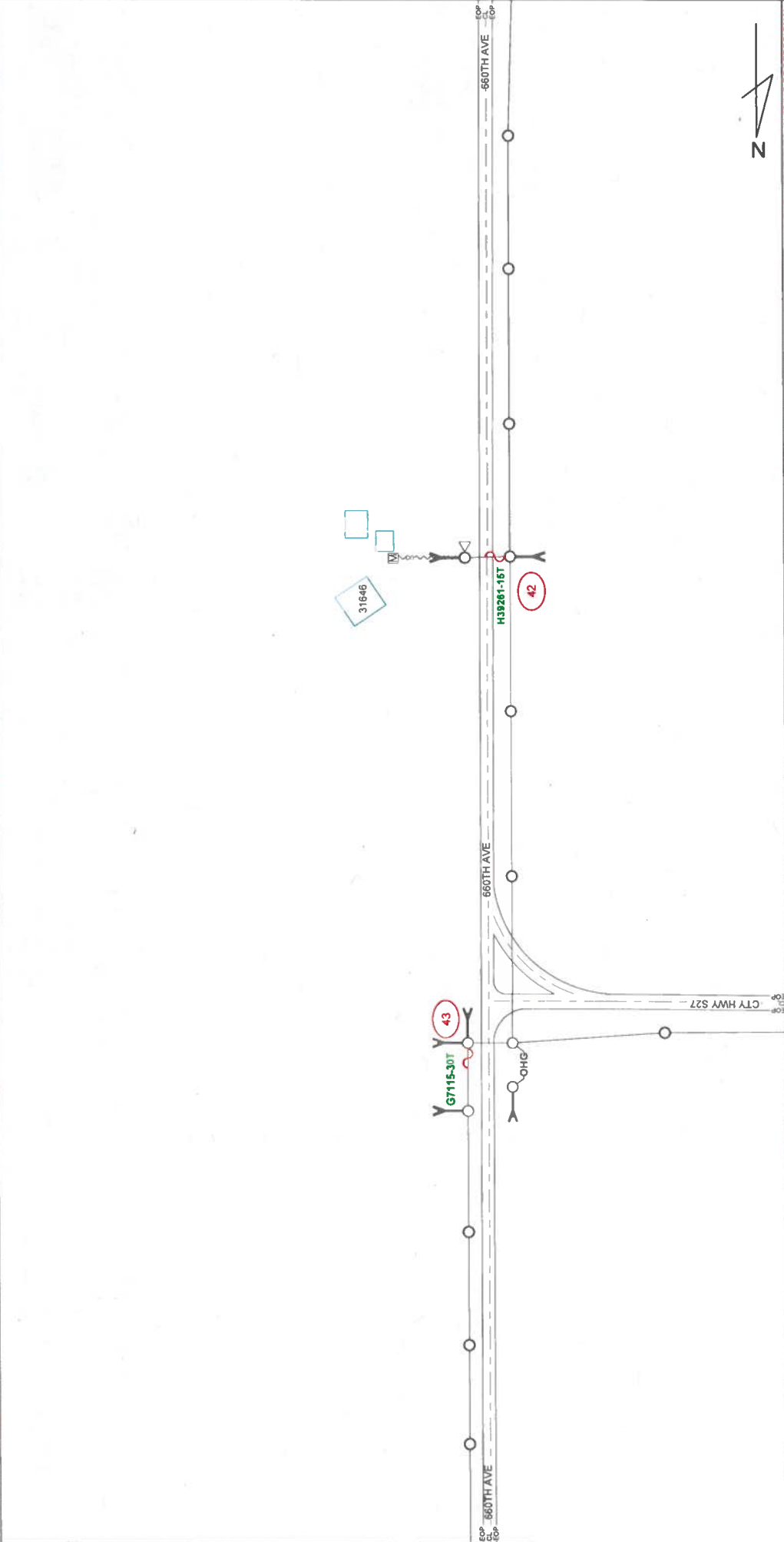
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				ALLIANT ENERGY WORK REQUEST # 4236492		LOCATION MCCALLSBURG, IA	
				FIELD BY: D.V.	DATE: 9/22/2021	DRAFTED BY: T.J.	DATE: 11/5/2021
SYMBOL LEGEND							
EXISTING SECONDARY/SERVICE	NEW SECONDARY	EXISTING LINE UG	NEW 3PH LINE UG	EXISTING LINE OH	NEW 3PH LINE OH	EXISTING SECONDARY/SERVICE	NEW SECONDARY
GAS	WATER	ELECTRICAL	STORM	SANITARY	CABLE TV	TELEPHONE	GAS
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 1PH PAD MOUNTED NEW	TRANSFORMER 1PH PAD MOUNTED EXISTING	TRANSFORMER 3PH POLE MOUNTED NEW	TRANSFORMER 3PH POLE MOUNTED EXISTING	TRANSFORMER 1PH POLE MOUNTED NEW	TRANSFORMER 1PH POLE MOUNTED EXISTING
POLE NEW	POLE EXISTING	ANCHOR NEW	ANCHOR EXISTING	FUSE NEW	FUSE EXISTING	GROUND NEW	GROUND EXISTING
CAPACITOR NEW	CAPACITOR EXISTING	SWITCH N.O. NEW	SWITCH N.O. EXISTING	SWITCH N.C. NEW	SWITCH N.C. EXISTING	STREET LIGHT	COMM. FORESTAL
NEW POLE	POWER PFD NEW	WARNING MARKER	METER	PHASING	SKINS	STREET LIGHT	COMM. FORESTAL

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mi-tech
 Fred De Leeuw - Owner Rep. - Mccallsburg, IA 50558-4527
 562-463-2978

LINETYPES

EXISTING SECONDARY/SERVICE	NEW SECONDARY	EXISTING LINE LG	NEW 3PH LINE LG	EXISTING LINE OH	NEW 3PH LINE OH
GAS	WATER	ELECTRICAL	STORM	SANITARY	CABLE TV
TELEPHONE					

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
POLE NEW	POLE EXISTING	ANCHOR NEW	ANCHOR EXISTING	RUSE NEW	RUSE EXISTING	GROUND NEW	GROUND EXISTING
CAPACITOR NEW	CAPACITOR EXISTING	SWITCH M.O. NEW	SWITCH M.O. EXISTING	SWITCH M.C. NEW	SWITCH M.C. EXISTING	COMMON PERISTAL	
NEW POLE	POWER PFD EXISTING	WARNING MARKER	METER	PHASING	SKINS	STREET LIGHT	COMMON PERISTAL

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ALLIANT ENERGY WORK REQUEST # 4236492

LOCATION: MCCALLSBURG, IA

FILED BY: D.V. DATE: 9/22/2021

DRAFTED BY: T.J. DATE: 11/5/2021

DESIGNED BY: D.V. DATE: 9/22/2021

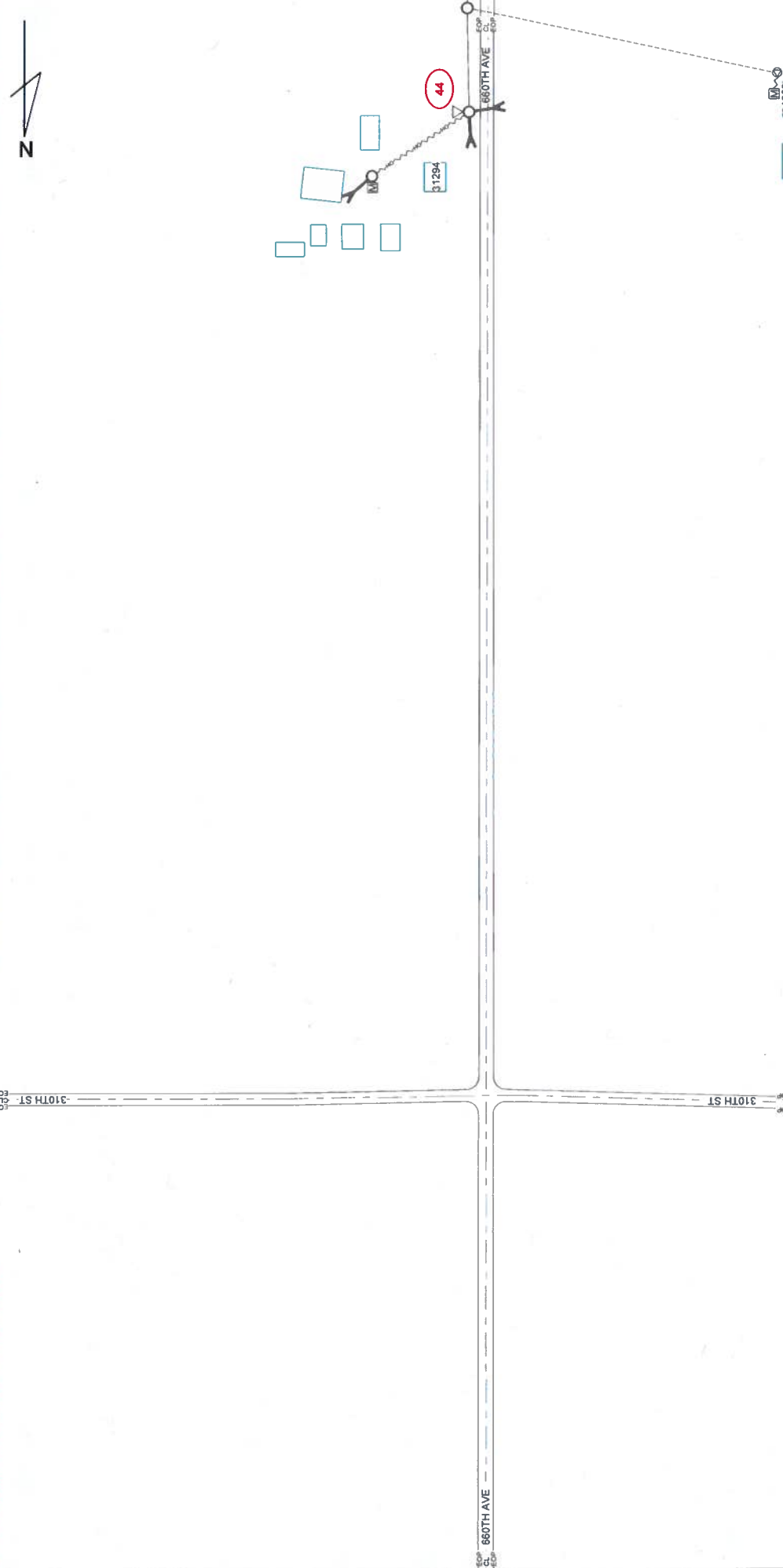
IOWA PE: A.S. APPROVAL DATE: 20

DATE: 26

DATE: 25

DATE: 27

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LINE TYPES

EXISTING SECONDARY/SERVICE	---
NEW SECONDARY	- - - -
EXISTING LINE UG	---
NEW 1PH LINE UG	---
NEW 3PH LINE UG	---
EXISTING LINE OH	---
NEW 3PH LINE OH	---
NEW 1PH LINE OH	---

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	⊙
TRANSFORMER 3PH PAD MOUNTED EXISTING	⊙
TRANSFORMER 1PH PAD MOUNTED NEW	⊙
TRANSFORMER 1PH PAD MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊙
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 2PH POLE MOUNTED NEW	⊙
TRANSFORMER 2PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 1PH POLE MOUNTED NEW	⊙
TRANSFORMER 1PH POLE MOUNTED EXISTING	⊙
NEW POLE	●
POLE EXISTING	○
TRANSMISSION POLE EXISTING	○
POLE EXISTING	○
POLE NEW	○
ANCHOR EXISTING	○
ANCHOR NEW	○
FUSE EXISTING	○
FUSE NEW	○
GROUND EXISTING	⊕
GROUND NEW	⊕
SWITCH N.C. EXISTING	⊕
SWITCH N.C. NEW	⊕
SWITCH H.O. EXISTING	⊕
SWITCH H.O. NEW	⊕
CAPIACITOR EXISTING	⊕
CAPIACITOR NEW	⊕
POWER FED EXISTING	⊕
POWER FED NEW	⊕
WARNING MARKER	⊕
METER	⊕
PHASING	⊕
SEGS	⊕
STREET LIGHT	⊕
CONAH PEBSTAL	⊕

mi-TECH
Field Dr. Linc., Oneida, Mo. 64689
800.662.8700

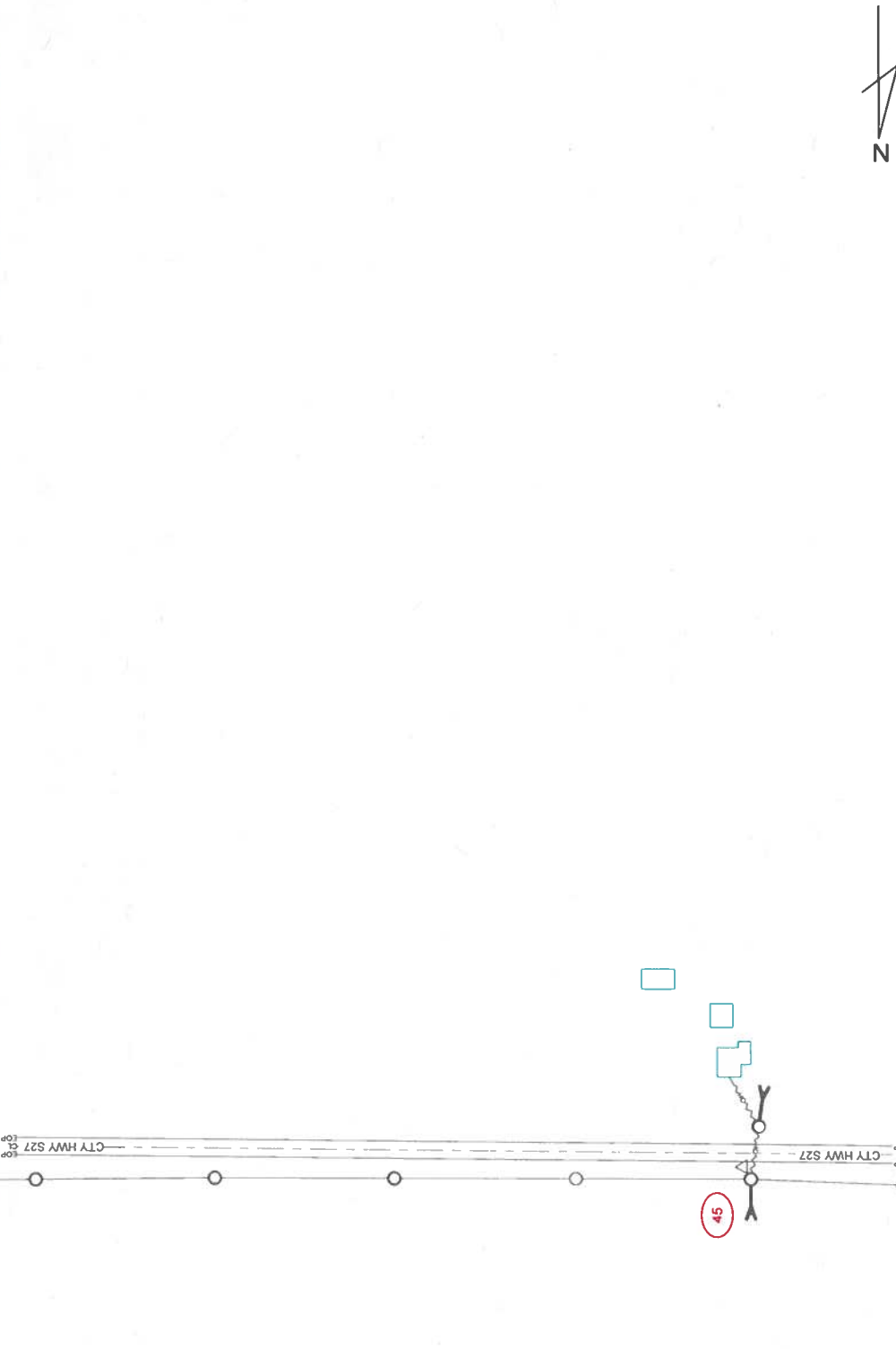
ALLIANT ENERGY WORK REQUEST #
4236492

FIELD BY:	DATE:
D.V.	9/22/2021
DRAFTED BY:	DATE:
T.J.	11/5/2021
DESIGNED BY:	DATE:
D.V.	9/22/2021
APPROVAL DATE:	
KOVA P.E.	
A.S.	

LOCATION: MCCALLSBURG, IA

	26
	25

UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION AND CONTACT WITH UTILITY OWNERS. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY IPL CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GROUND CONDITIONS AND SHOULD NOT BE INTERPRETED AS EXACT. SOME INTENDED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



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ALLEGED BY:	D.V.	DATE:	9/22/2021
DRAFTED BY:	T.J.	DATE:	11/5/2021
DESIGNED BY:	D.V.	DATE:	9/22/2021
IOWA PE:	A.S.	APPROVAL DATE:	

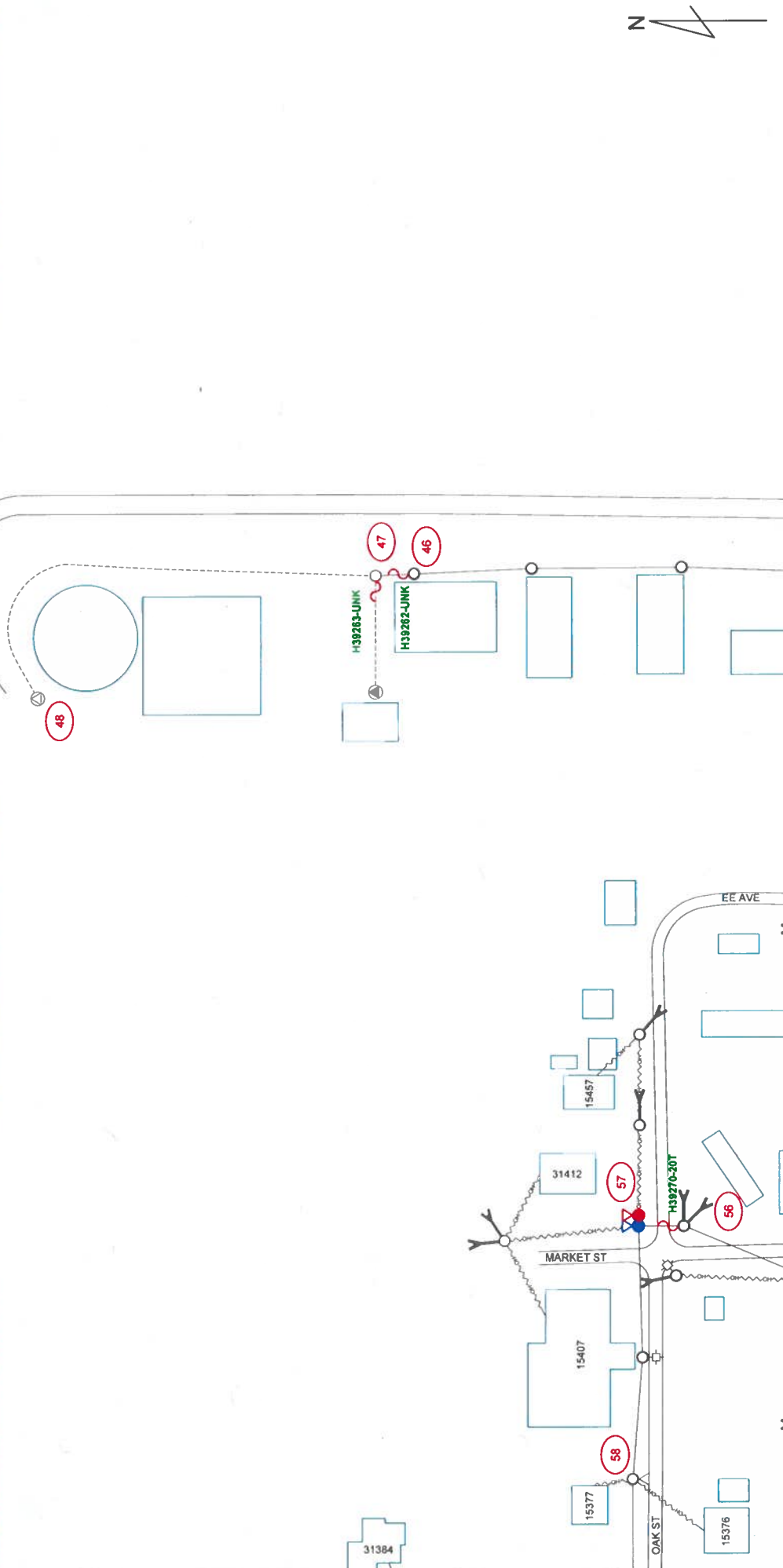
4236492
MCCALLSBURG, IA

SYMBOL LEGEND	
	NEW POLE
	POWER POLE NEW
	WARNING MAREE
	METER
	PHASING
	STREET LIGHT
	COMM. POSTAL

LINETYPES	
	NEW SECONDARY
	EXISTING LINE LG
	NEW 1PH LINE LG
	NEW 3PH LINE LG
	EXISTING LINE OH
	NEW 3PH LINE OH
	NEW 1PH LINE OH

mi-TECH
Professional Engineering & Construction
500 4th Street, Ste. 100
Mcallsburg, IA 52058

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ALLIANT ENERGY WORK REQUEST #		4236492		LOCATION		MCCALLSBURG, IA	
FIELD BY:	DATE:	9/22/2021					
D.V.							
DRAFTED BY:	DATE:	11/5/2021					
T.J.							
DESIGNED BY:	DATE:	9/22/2021					
D.V.							
KWA PE	APPROVAL DATE:						
A.S.							



SYMBOL LEGEND

NEW POLE	POWER PEG NEW
POLE EXISTING	WARNING MARKER
ANCHOR NEW	METER
ANCHOR EXISTING	PLAGING
FUSE NEW	SOCS
FUSE EXISTING	STREET LIGHT
GROUND NEW	SWITCH N.C. NEW
GROUND EXISTING	SWITCH N.C. EXISTING
CONAM FOOTSTAL	

LINE TYPES

NEW SECONDARY	EXISTING SECONDARY/SERVICE
EXISTING LINE UG	NEW 3PH LINE UG
NEW 3PH LINE UG	EXISTING LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH
NEW 3PH LINE UG	NEW 3PH LINE OH

ENCUMBRANCE

GAS
WATER
ELECTRICAL
STORM
SANITARY
CABLE TV
TELEPHONE

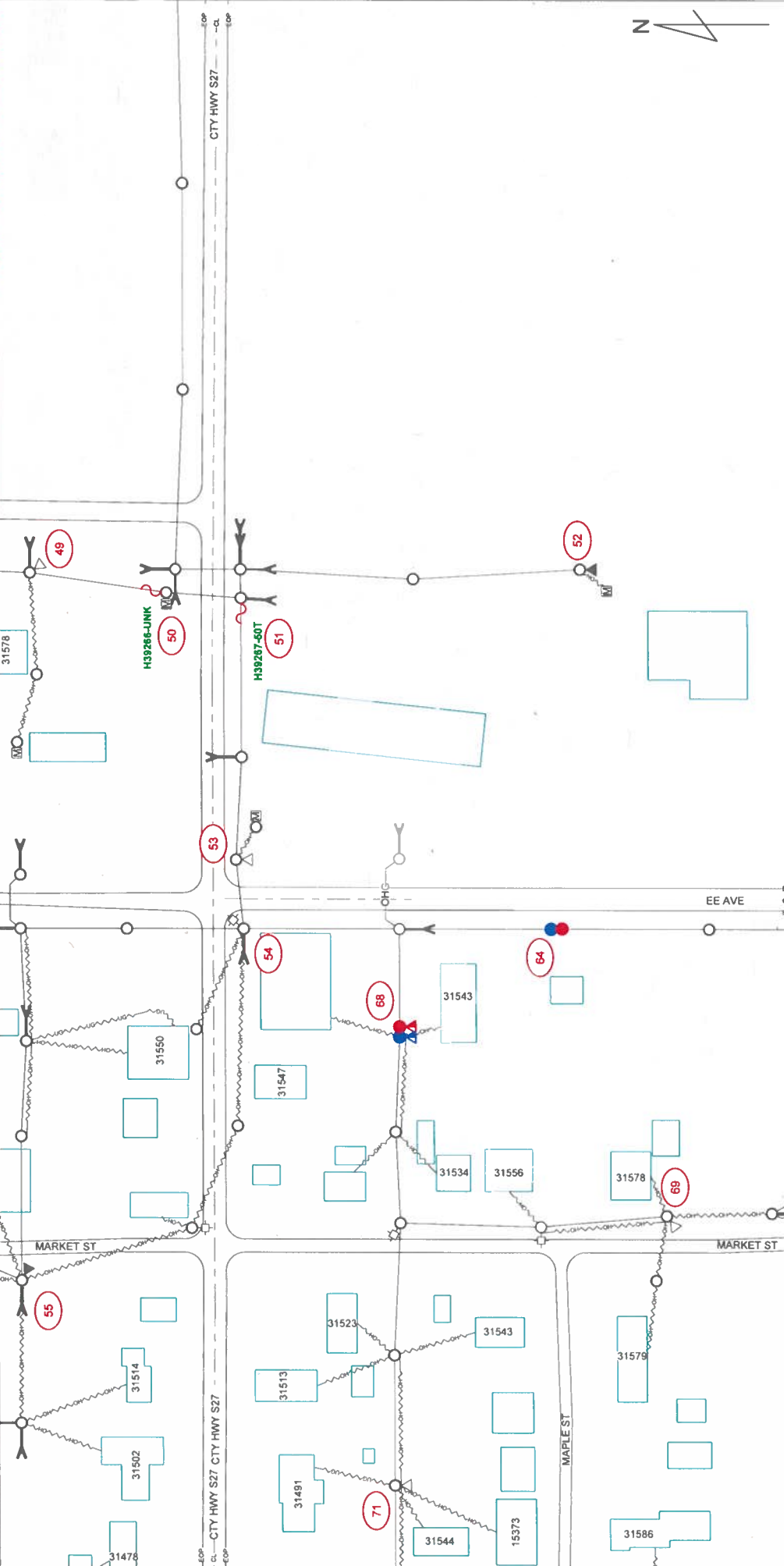
TRANSFORMER 3PH PAD MOUNTED NEW

TRANSFORMER 3PH PAD MOUNTED NEW
TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW
TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW
TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW
TRANSFORMER 3PH PAD MOUNTED EXISTING

mi-TECH
 Paul Du Lac - Chief Estimator - 319.444.8799

DATE:	9/22/2021	
D.V.:		
DATE:	11/5/2021	
D.V.:		
DATE:	9/22/2021	
APPROVAL DATE:		
31	28	27
31	28	27
31	28	27

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ALLIANT ENERGY WORK REQUEST # 4236492 **LOCATION:** MCCALLSBURG, IA

FILED BY: D.V.	DATE: 9/22/2021	28
DRAFTED BY: T.J.	DATE: 11/5/2021	29
DESIGNED BY: D.V.	DATE: 9/22/2021	30
IOWA PE	APPROVAL DATE:	
A.S.		

miTECH
Paul Da Lee - Owner Rep. - Mccallsburg, IA
808.443.8928

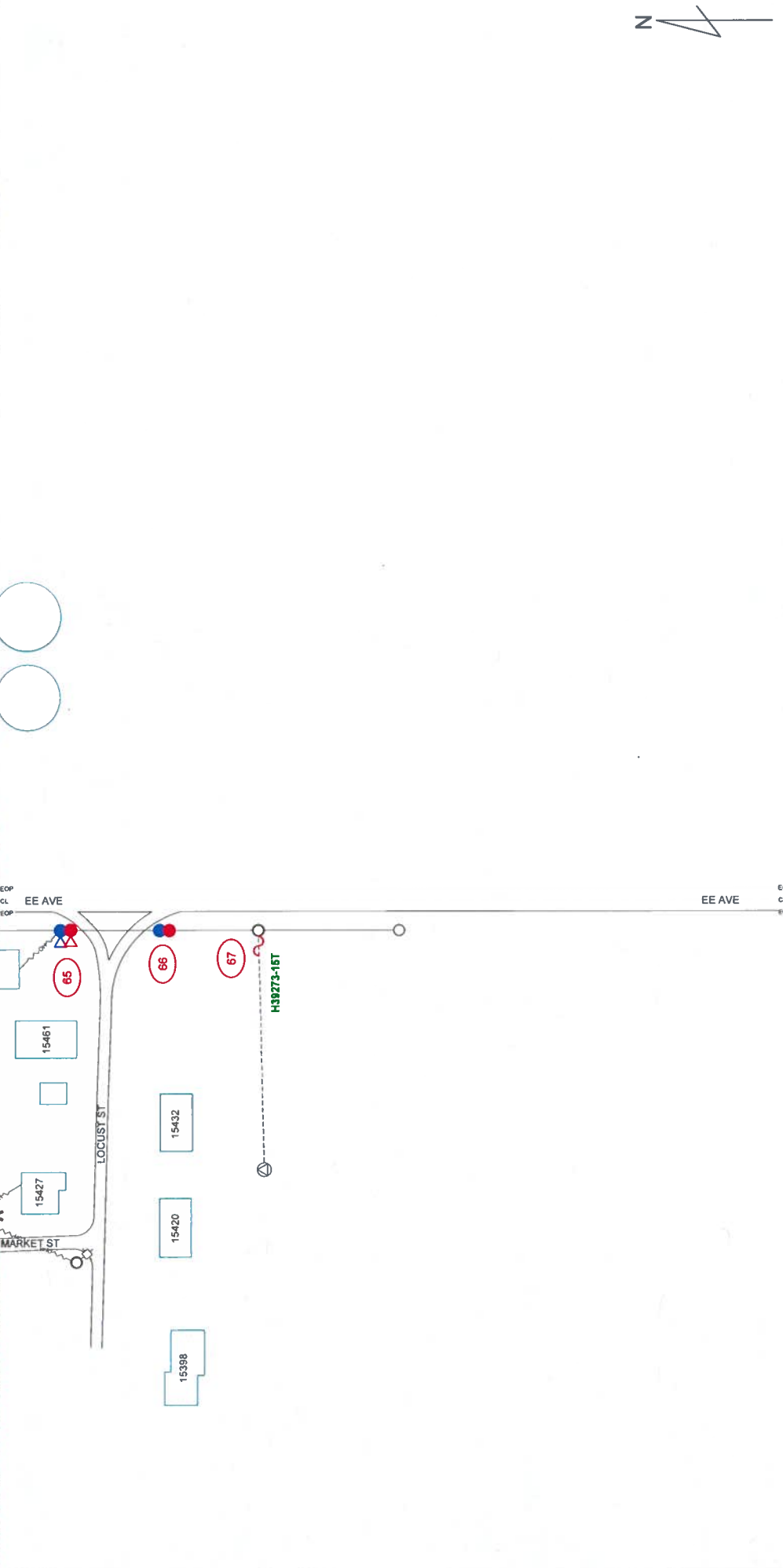
SYMBOL LEGEND

	TRANSFORMER 3PH PAD MOUNTED NEW		POLE NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING		POLE EXISTING
	TRANSFORMER 2PH POLE MOUNTED NEW		POLE MOUNTED NEW
	TRANSFORMER 2PH POLE MOUNTED EXISTING		POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW		POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING		POLE MOUNTED EXISTING
	FUSE NEW		FUSE EXISTING
	FUSE EXISTING		ANCHOR NEW
	ANCHOR EXISTING		ANCHOR NEW
	SWITCH N.O. EXISTING		SWITCH N.O. NEW
	SWITCH N.C. EXISTING		SWITCH N.C. NEW
	SWITCH N.C. EXISTING		STREET LIGHT
	SWITCH N.C. EXISTING		COMM PEDESTAL

LINETYPES

	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE
	EXISTING SECONDARY SERVICE
	NEW SECONDARY
	EXISTING LINE UG
	NEW 3PH LINE UG
	NEW 3PH LINE UG
	EXISTING LINE OH
	NEW 3PH LINE OH

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ALLIANT ENERGY WORK REQUEST #
4236492

LOCATION:
MCCALLSBURG, IA

FIELD BY: D.V. DATE: 9/22/2021
DRAFTED BY: T.J. DATE: 11/5/2021
DESIGNED BY: D.V. DATE: 9/22/2021
KWA PE: A.S. APPROVAL DATE:

mi-tech
Paul D. Lee - Owner/Rep. | paul@mi-tech.com | 800.662.8020

SYMBOL LEGEND

TRANSMISSION POLE EXISTING	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW
POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING	POLE EXISTING
ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING	ANCHOR EXISTING
FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING	FLUSE EXISTING
GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING	GROUND EXISTING
SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING	SWITCH N.C. EXISTING
SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW	SWITCH N.C. NEW
STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT	STREET LIGHT
CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL	CONAM FORESTAL

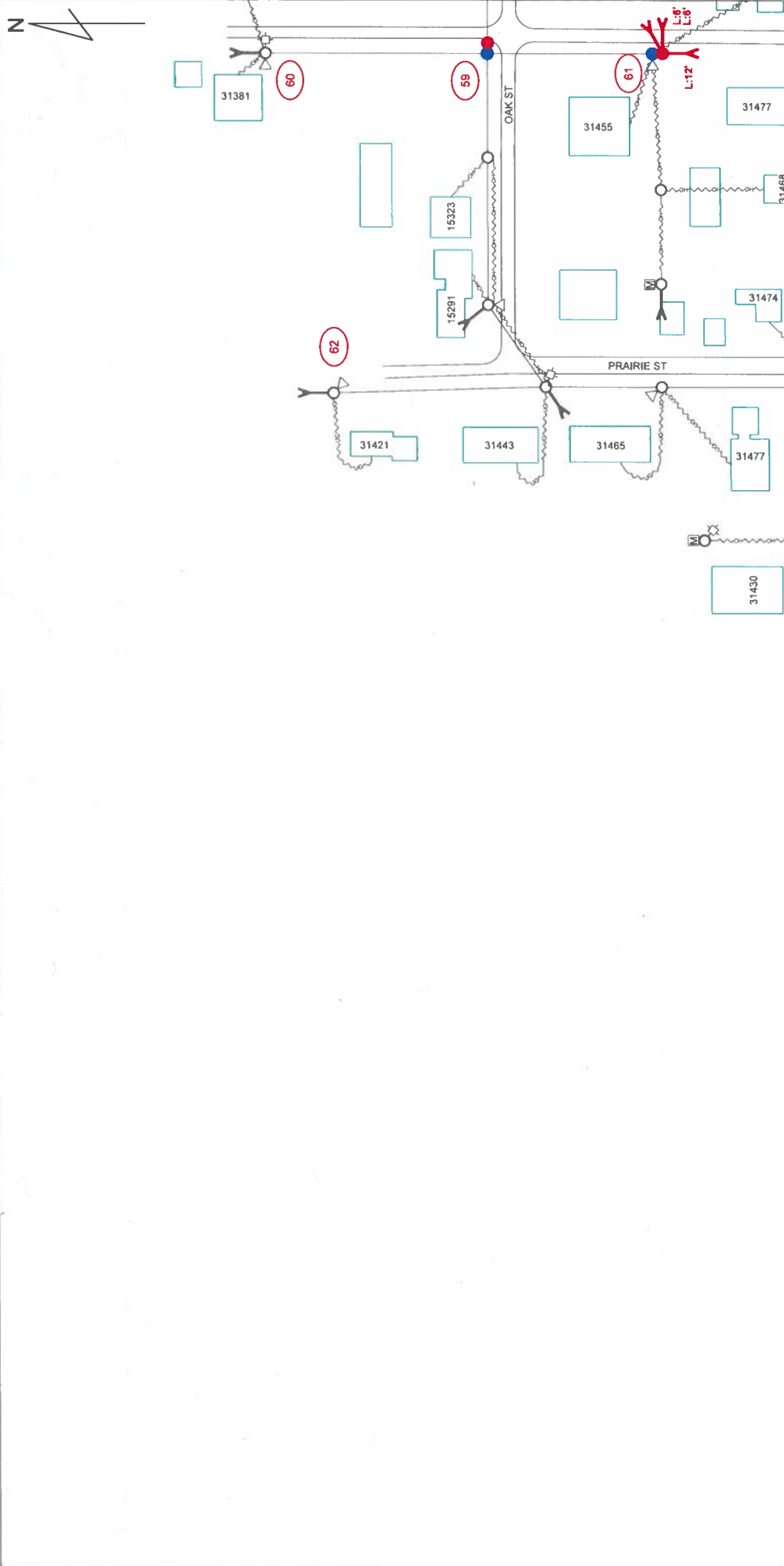
LINE TYPES

EXISTING SECONDARY/SERVICE	NEW SECONDARY	EXISTING LINE UG	NEW 1PH LINE UG	NEW 3PH LINE UG	NEW 1PH LINE OH	NEW 3PH LINE OH	NEW 1PH LINE OH	NEW 3PH LINE OH
BASEMENT	GAS	WATER	ELECTRICAL	STORM	SANITARY	CABLE TV	TELEPHONE	

DATE: 9/22/2021
D.V. DATE: 11/5/2021
9/22/2021

29 **30** **32** **27**

UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION AND CONTACT WITH UTILITY OWNERS. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY IPL CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REPRESENT BEST PRACTICE. ALL UTILITIES SHOWN ON THIS PLAN ARE TO BE INTERPRETED AS EXACT. SOME INTENDED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



mi-TECH
 Field Div. Loc. - Ames, IA | Phone: 515.281.1000 | Fax: 515.281.1001

LINE TYPES

EXISTING SECONDARY/SERVICE	---
NEW SECONDARY	- - - - -
EXISTING LINE USE	—
NEW 3PH LINE USE	—
NEW 3PH LINE USE	—
EXISTING LINE OH	—
NEW 3PH LINE OH	—
NEW 3PH LINE OH	—

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	⊗
TRANSFORMER 3PH PAD MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊙

SYMBOL LEGEND

NEW POLE	●
POWER PFD EXISTING	□
WARNING MARKER	●
METER	⊗
PHASING	⊗
SKINS	⊗
STREET LIGHT	⊗
COMM PEDestal	⊗

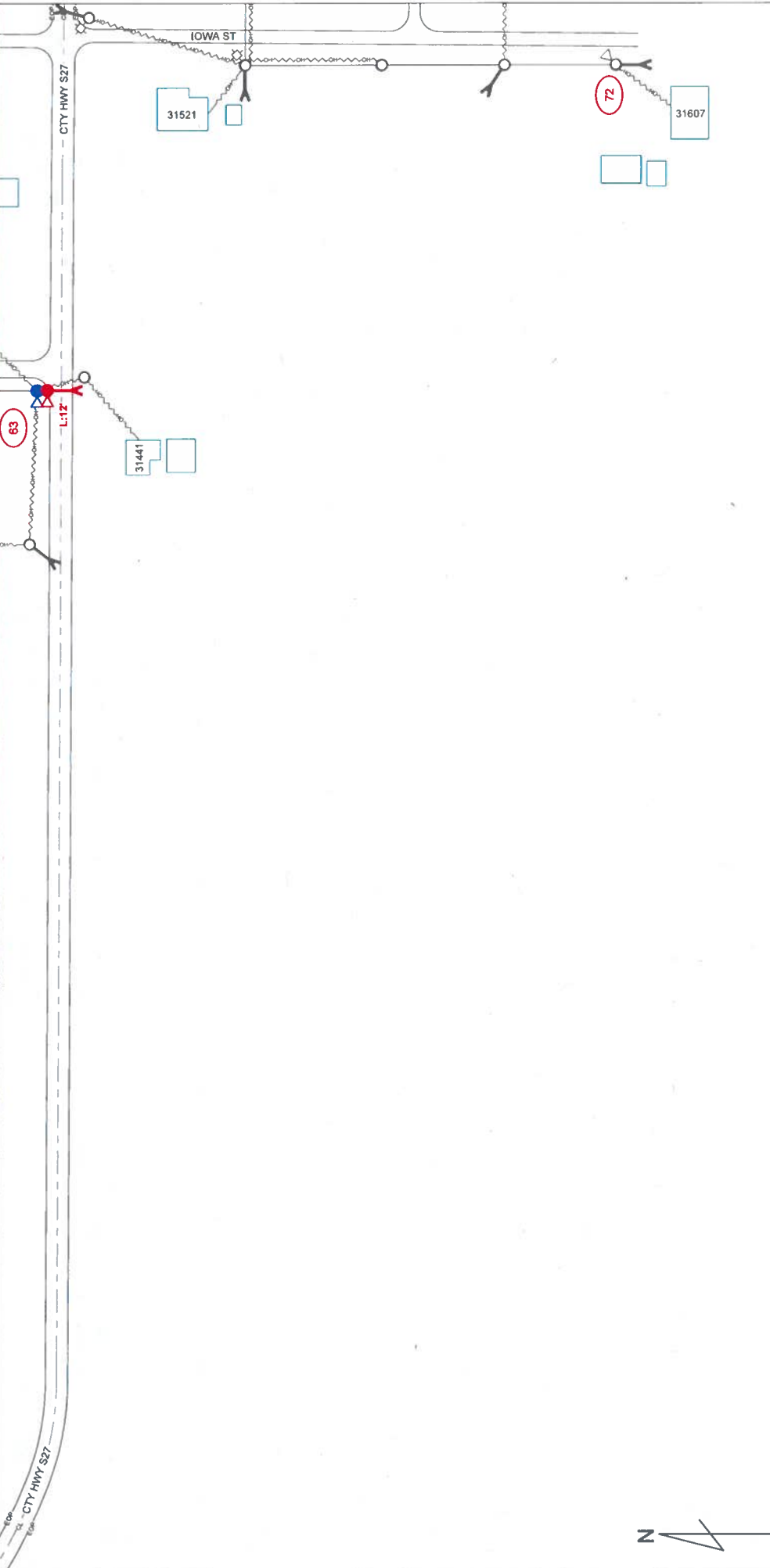
LOCATION: MCCALLSBURG, IA

ALLIANT ENERGY WORK REQUEST #	4236492
FILED BY:	D.V.
DATE:	9/22/2021
DRAFTED BY:	T.J.
DATE:	11/5/2021
DESIGNED BY:	D.V.
DATE:	9/22/2021
IOWA PE	A.S.
APPROVAL DATE:	

Alliant Energy

31	28/29
32	

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ALLIANT ENERGY WORK REQUEST # 4236492 LOCATION MCCALLSBURG, IA

FILED BY:	DATE:
D.V.	9/22/2021
DRAFTED BY:	DATE:
T.J.	11/5/2021
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D.V.	9/22/2021
KWA PE	APPROVAL DATE:
A.S.	



SYMBOL LEGEND

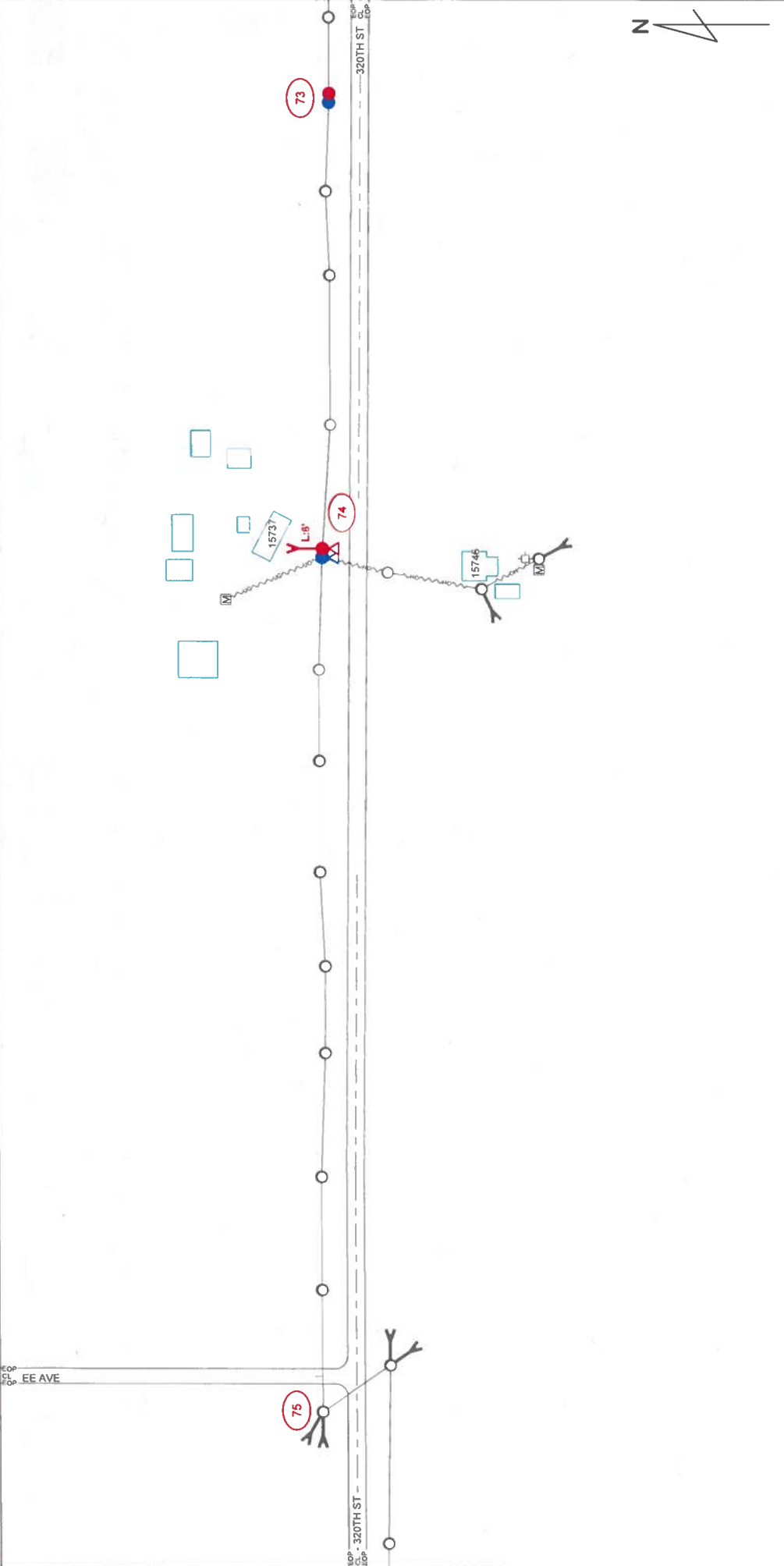
NEW POLE	NEW POLE
POWER PFD EXISTING	POWER PFD NEW
WARNING MARKER	WARNING MARKER
METER	METER
FRAGING	FRAGING
MARKERS	MARKERS
STREET LIGHT	STREET LIGHT
CONAM PEDESTAL	CONAM PEDESTAL
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 1PH PAD MOUNTED NEW	TRANSFORMER 1PH PAD MOUNTED EXISTING
TRANSFORMER 3PH POLE MOUNTED NEW	TRANSFORMER 3PH POLE MOUNTED EXISTING
TRANSFORMER 2PH POLE MOUNTED NEW	TRANSFORMER 2PH POLE MOUNTED EXISTING
TRANSFORMER 1PH POLE MOUNTED NEW	TRANSFORMER 1PH POLE MOUNTED EXISTING
TRANSFORMER 3PH POLE MOUNTED EXISTING	TRANSFORMER 3PH POLE MOUNTED EXISTING
TRANSFORMER 2PH POLE MOUNTED EXISTING	TRANSFORMER 2PH POLE MOUNTED EXISTING
TRANSFORMER 1PH POLE MOUNTED EXISTING	TRANSFORMER 1PH POLE MOUNTED EXISTING
TRANSFORMER 3PH POLE MOUNTED EXISTING	TRANSFORMER 3PH POLE MOUNTED EXISTING
TRANSFORMER 2PH POLE MOUNTED EXISTING	TRANSFORMER 2PH POLE MOUNTED EXISTING
TRANSFORMER 1PH POLE MOUNTED EXISTING	TRANSFORMER 1PH POLE MOUNTED EXISTING

LINE TYPES

NEW SECONDARY	EXISTING SECONDARY/SERVICE
EXISTING LINE UG	EXISTING LINE UG
NEW 1PH LINE UG	NEW 1PH LINE UG
NEW 3PH LINE UG	NEW 3PH LINE UG
EXISTING LINE OH	EXISTING LINE OH
NEW 1PH LINE OH	NEW 1PH LINE OH
NEW 3PH LINE OH	NEW 3PH LINE OH
BASEMENT	BASEMENT
GAS	GAS
WATER	WATER
ELECTRICAL	ELECTRICAL
STORM	STORM
SANITARY	SANITARY
CABLE TV	CABLE TV
TELEPHONE	TELEPHONE



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ALLIANT ENERGY WORK REQUEST # 4236492 LOCATION: MCCALLSBURG, IA

FIELD BY: D.V.	DATE: 9/22/2021
DRAFTED BY: T.J.	DATE: 11/5/2021
DESIGNED BY: D.V.	DATE: 9/22/2021
IOWA PE: A.S.	APPROVAL DATE:

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	NEW POLE	POLE EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	CAPACITOR NEW	CAPACITOR EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	SWITCH M.O. NEW	SWITCH M.O. EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	SWITCH M.C. NEW	SWITCH M.C. EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	GROUND NEW	GROUND EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	ANCHOR NEW	ANCHOR EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	FUSE NEW	FUSE EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	SKINS	STREET LIGHT
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	GROUND NEW	GROUND EXISTING
TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	GROUND NEW	GROUND EXISTING

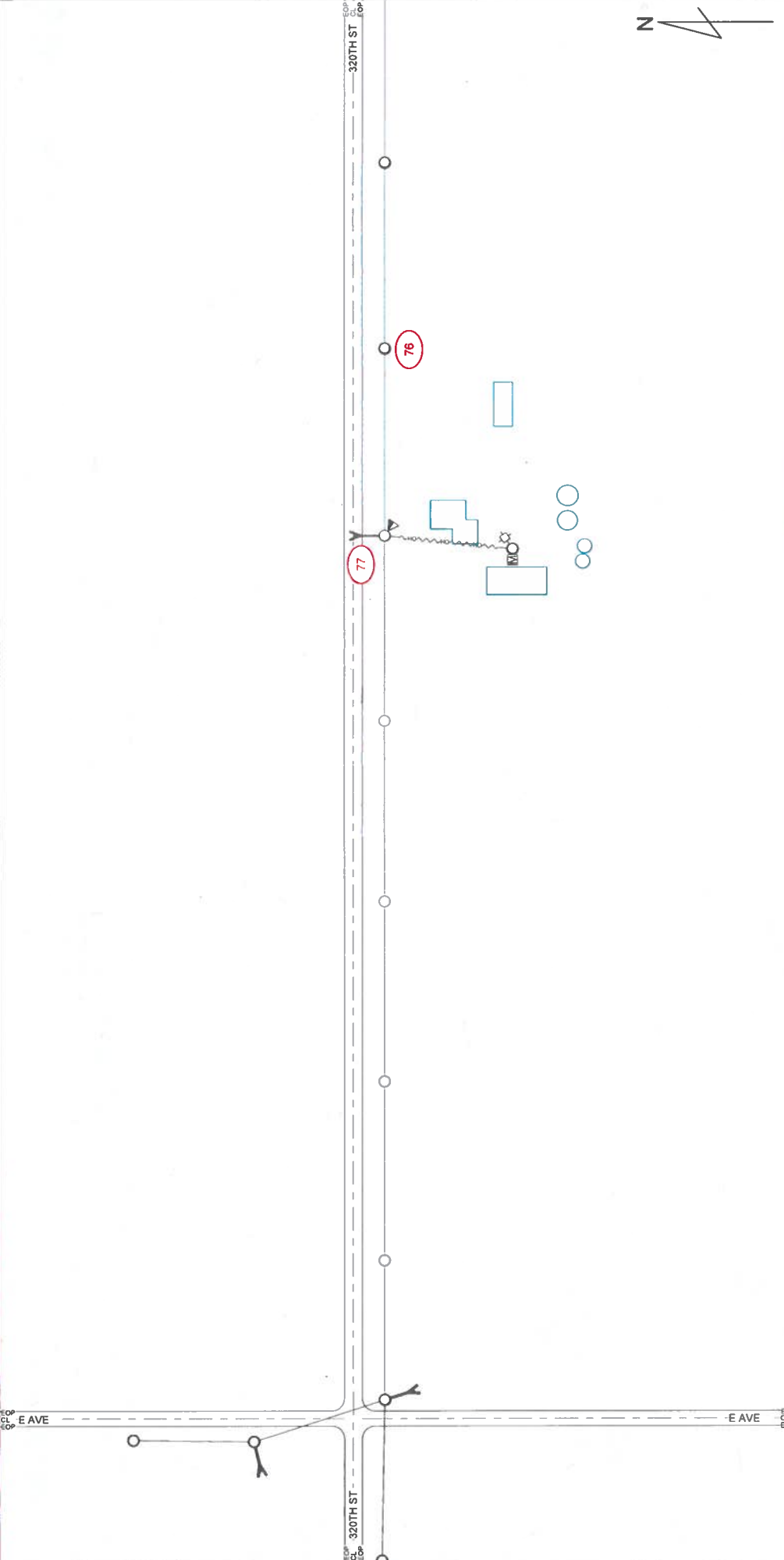
LINETYPES

EXISTING SECONDARY/SERVICE	NEW SECONDARY	EASEMENT
EXISTING LINE UC	NEW 3PH LINE UC	GAS
EXISTING LINE UC	NEW 3PH LINE UC	WATER
EXISTING LINE UC	NEW 3PH LINE UC	ELECTRICAL
EXISTING LINE CH	NEW 3PH LINE CH	STORM
EXISTING LINE CH	NEW 3PH LINE CH	SANITARY
EXISTING LINE CH	NEW 3PH LINE CH	CABLE TV
EXISTING LINE CH	NEW 3PH LINE CH	TELEPHONE

Alliant Energy

M-TECH
 Field Office - Oneida, Missouri 64856
 816-462-8936

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ALLIANT ENERGY WORK REQUEST #		4236492	
FIELD BY:	DATE:	9/22/2021	
D.V.:	D.V.:	T. J.	
DRAFTED BY:	DATE:	11/5/2021	
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KWA PE:	APPROVAL DATE:	9/22/2021	

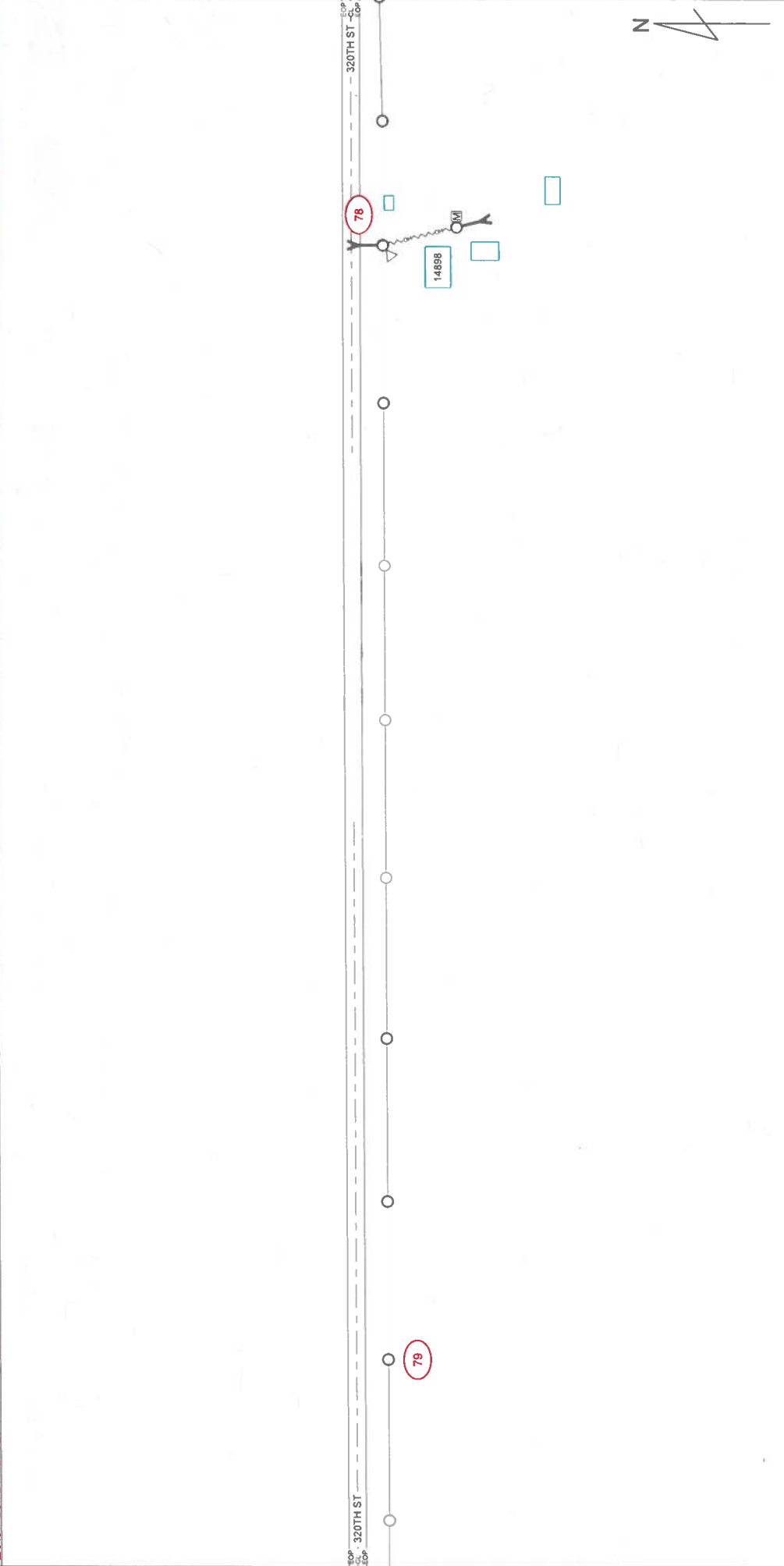



SYMBOL LEGEND	
	NEW POLE
	POWER FED NEW
	WARNING NUMBER
	METER
	PAVING
	STREET LIGHT
	CMMH FEDERAL
	CAPACITOR NEW
	CAPACITOR EXISTING
	SWITCH N.O. NEW
	SWITCH N.O. EXISTING
	SWITCH N.C. NEW
	SWITCH N.C. EXISTING
	TRANSMISSION POLE NEW
	TRANSMISSION POLE EXISTING
	ANCHOR NEW
	ANCHOR EXISTING
	FUSE NEW
	FUSE EXISTING
	GROUND NEW
	GROUND EXISTING
	TRANSFORMER 3PH PAD MOUNTED NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING
	TRANSFORMER 1PH PAD MOUNTED NEW
	TRANSFORMER 1PH PAD MOUNTED EXISTING
	TRANSFORMER 3PH POLE MOUNTED NEW
	TRANSFORMER 3PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING

LINE TYPES	
	NEW SECONDARY
	EXISTING LINE UG
	NEW 3PH LINE UG
	NEW 1PH LINE UG
	EXISTING LINE OH
	NEW 3PH LINE OH
	NEW 1PH LINE OH
	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE

MI-TECH
 Paul D. Lee - Owner/Rep. | 14500 Hwy 100, Suite 100 | Mankato, MN 56001
 509.433.8700

UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION AND CONTACT WITH UTILITY OWNERS. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY IPL CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GENERAL REAL WORLD LOCATIONS AND DIRECTIONS AND SHOULD NOT BE INTERPRETED AS EXACT. SOME INTENDED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.





miTECH
Professional Engineering Services
1000 1st Ave. S.E. - Ames, IA 50010
515.281.2929

LINE TYPES

	NEW SECONDARY
	EXISTING LINE US
	NEW 2PH LINE US
	NEW 3PH LINE US
	EXISTING LINE CH
	NEW 3PH LINE CH
	NEW 2PH LINE CH

BASEMENT

	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE

SYMBOL LEGEND

	TRANSFORMER 3PH POLE MOUNTED NEW
	TRANSFORMER 3PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING
	TRANSFORMER 3PH POLE MOUNTED NEW
	TRANSFORMER 3PH POLE MOUNTED EXISTING
	TRANSFORMER 2PH POLE MOUNTED NEW
	TRANSFORMER 2PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING

NEW POLE

	NEW POLE
	POWER POLE NEW
	POWER POLE EXISTING
	WARNING MARKER
	METER
	PHASING
	SIGNS
	STREET LIGHT
	COMM PEDESTAL

ANCHOR

	ANCHOR NEW
	ANCHOR EXISTING

POLE

	POLE NEW
	POLE EXISTING
	FUSE NEW
	FUSE EXISTING
	GROUND NEW
	GROUND EXISTING

SWITCH

	SWITCH M.O. NEW
	SWITCH M.O. EXISTING
	SWITCH M.C. NEW
	SWITCH M.C. EXISTING

CAPACITOR

	CAPACITOR NEW
	CAPACITOR EXISTING

ALLIANT ENERGY WORK REQUEST #
4236492

FILED BY:
D.V.

DRAFTED BY:
T.J.

DESIGNED BY:
D.V.

IOWA PE
A.S.

DATE:
9/22/2021

DATE:
11/5/2021

DATE:
9/22/2021

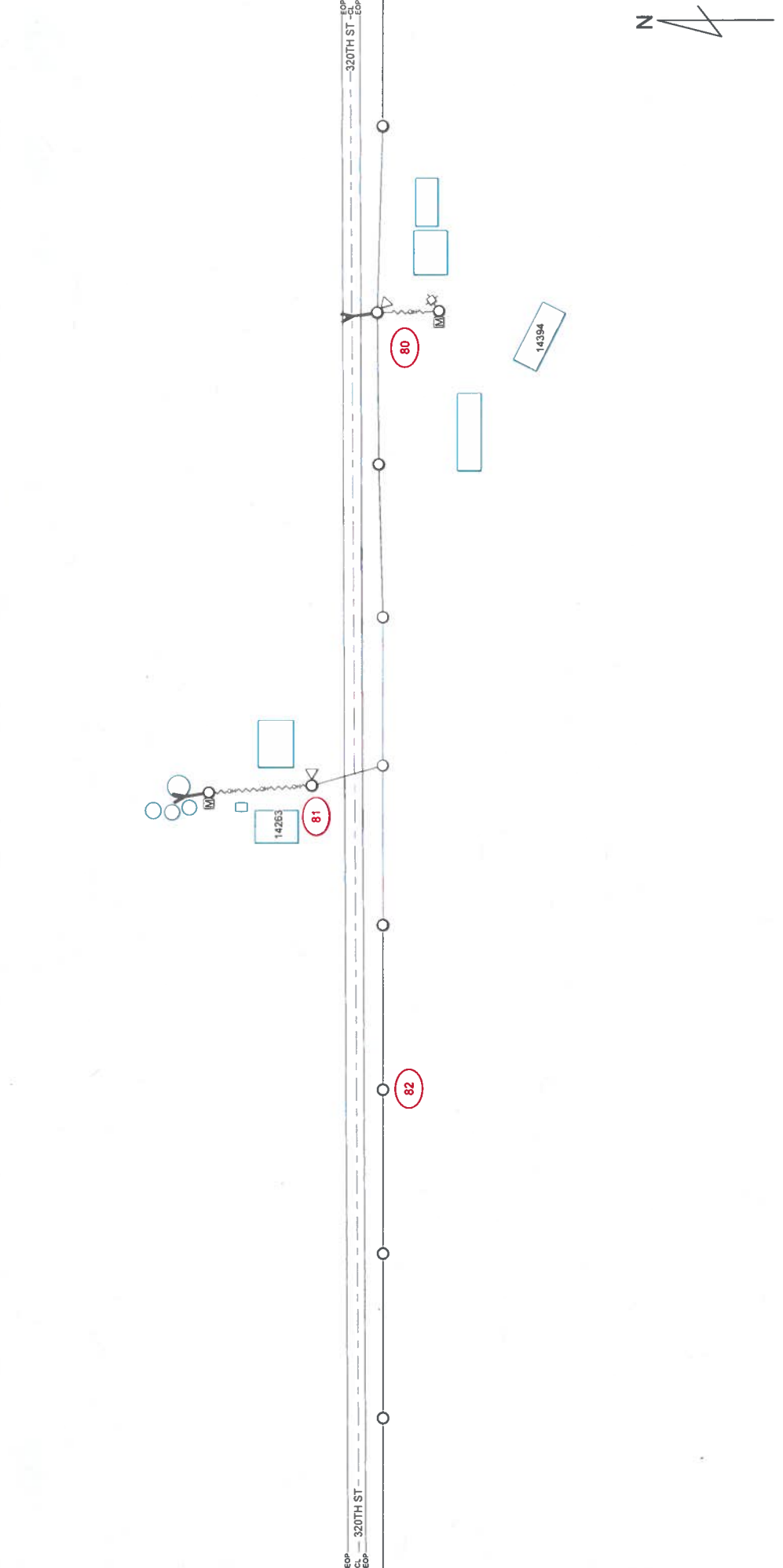
APPROVAL DATE


LOCATION:
MCCALLSBURG, IA

		35	
		36	
			34

ALLIANT ENERGY HAS DIRECTED THAT ENGINEERING RISING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A MI-TECH ENGINEER DOES NOT REVIEW THE PLAN SET, INCLUDING ALL CALCULATIONS OR ANALYSIS FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. MI-TECH WILL USE INDUSTRY STANDARDS FOR REVIEWS AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY.

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MI-TECH
Field Dr. Ltd. • Overland Park, Kansas 66111
800.462.8050

LINE TYPES

	NEW SECONDARY
	EXISTING LINE UG
	NEW JPH LINE UG
	NEW JPH LINE UG
	EXISTING LINE OH
	NEW JPH LINE OH
	NEW JPH LINE OH

LINE TYPES

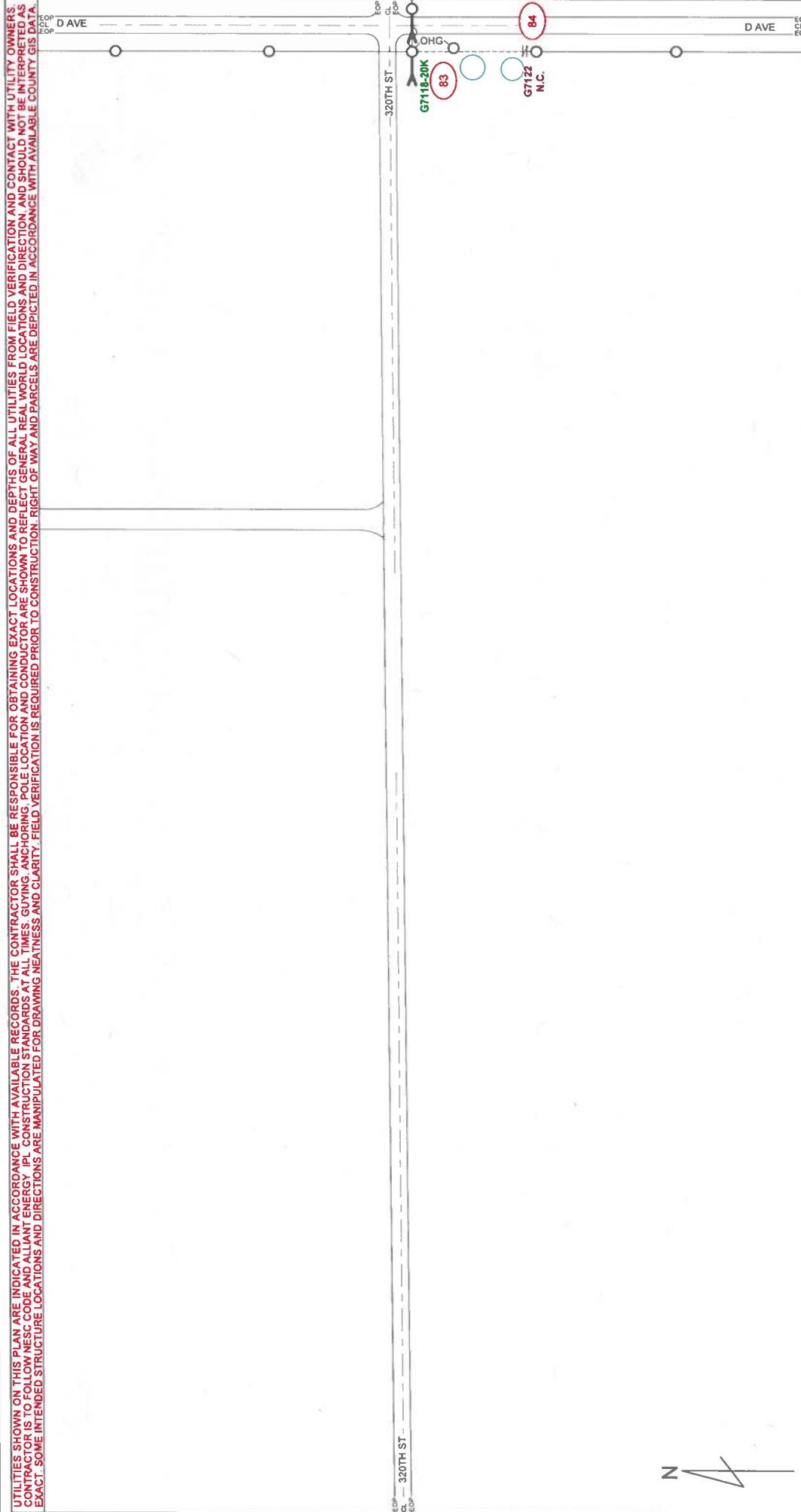
	BASEMENT
	GAS
	WATER
	ELECTRICAL
	STORM
	SANITARY
	CABLE TV
	TELEPHONE

SYMBOL LEGEND

	TRANSFORMER 3PH POLE MOUNTED NEW
	TRANSFORMER 3PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING
	TRANSFORMER 2PH POLE MOUNTED NEW
	TRANSFORMER 2PH POLE MOUNTED EXISTING
	TRANSFORMER 1PH POLE MOUNTED NEW
	TRANSFORMER 1PH POLE MOUNTED EXISTING
	NEW POLE
	POWER POLE DISTING
	WARNING MARKER
	METER
	SWITCH N.O. NEW
	SWITCH N.O. EXISTING
	SWITCH N.C. NEW
	SWITCH N.C. EXISTING
	SIGS
	STREET LIGHT
	CONDUIT FERALTAL

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ALLIANT ENERGY WORK REQUEST #		4236492		LOCATION		MCCALLSBURG, IA	
FIELD BY	DATE	9/22/2021	DESIGNED BY	DATE	9/22/2021	APPROVAL DATE	35
D.V.	DATE	9/22/2021	DRAFTED BY	DATE	11/5/2021	APPROVAL DATE	36
T.J.	DATE	9/22/2021	DESIGNED BY	DATE	9/22/2021	APPROVAL DATE	37
D.V.	DATE	9/22/2021	KOVA PE	DATE	9/22/2021	APPROVAL DATE	38
A.S.	DATE	9/22/2021		DATE	9/22/2021	APPROVAL DATE	39



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mi-tech
Field Dr. Lee - Ames, IA 50010
515-281-2050

Alliant Energy

FILED BY: D.V. DATE: 9/22/2021
 DRAFTED BY: T.J. DATE: 11/5/2021
 DESIGNED BY: D.V. DATE: 9/22/2021
 APPROVAL DATE: A.S.

ALLIANT ENERGY WORK REQUEST # 4236492

LOCATION: MCCALLSBURG, IA

LINETYPES

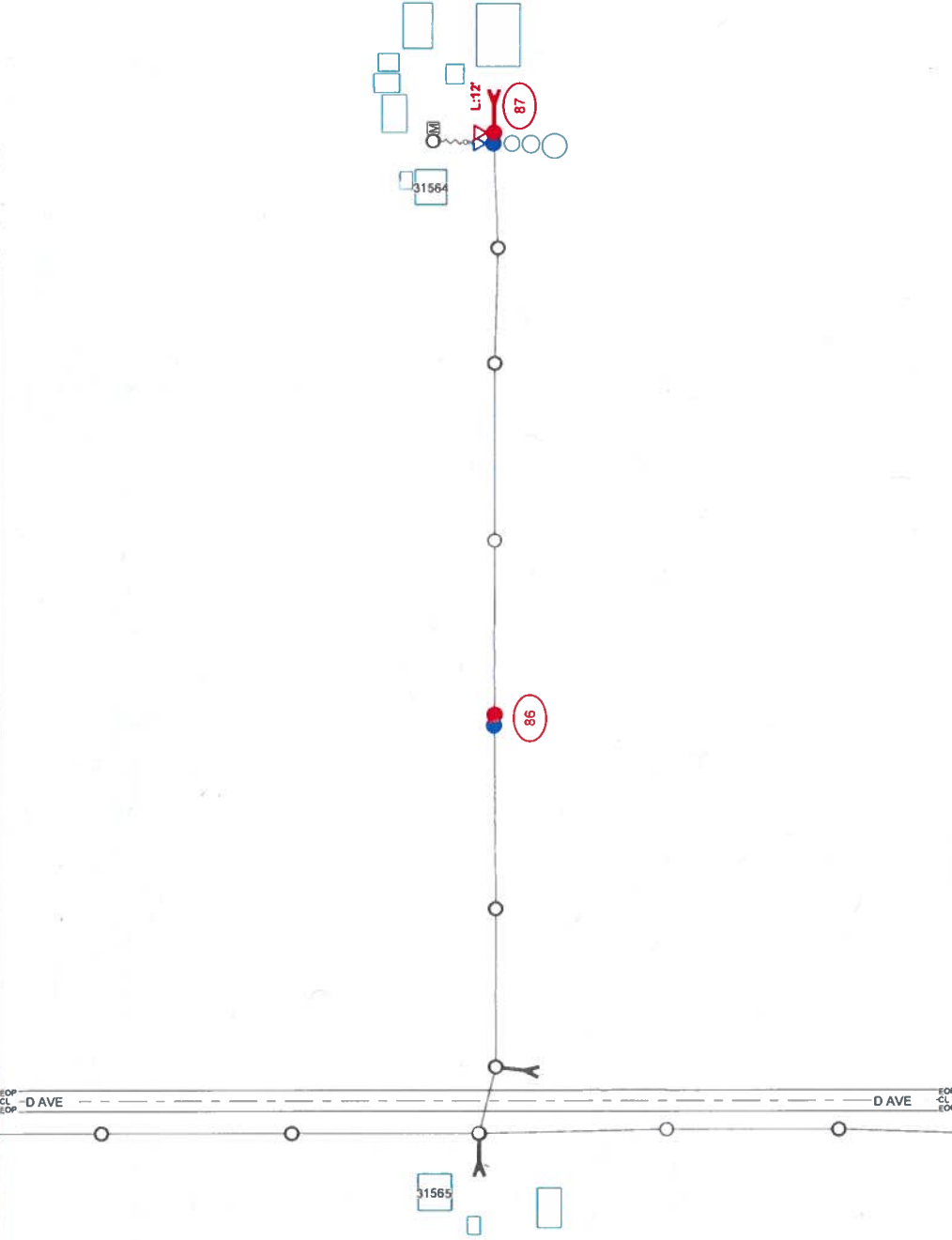
- EXISTING SECONDARY SERVICE
- NEW SECONDARY
- EXISTING LINE LG
- NEW 2PH LINE LG
- NEW 3PH LINE LG
- EXISTING LINE OH
- NEW 3PH LINE OH
- NEW 3PH LINE OH

SYMBOL LEGEND



- TRANSFORMER 3PH PAD MOUNTED NEW
- TRANSFORMER 3PH PAD MOUNTED EXISTING
- TRANSFORMER 1PH PAD MOUNTED NEW
- TRANSFORMER 1PH PAD MOUNTED EXISTING
- TRANSFORMER 3PH POLE MOUNTED NEW
- TRANSFORMER 3PH POLE MOUNTED EXISTING
- TRANSFORMER 2PH POLE MOUNTED NEW
- TRANSFORMER 2PH POLE MOUNTED EXISTING
- TRANSFORMER 1PH POLE MOUNTED NEW
- TRANSFORMER 1PH POLE MOUNTED EXISTING
- POLE NEW
- POLE EXISTING
- ANCHOR NEW
- ANCHOR EXISTING
- FUSE NEW
- FUSE EXISTING
- GROUND NEW
- GROUND EXISTING
- NEW POLE
- POWER PAD NEW
- POWER PAD EXISTING
- CAPACITOR NEW
- CAPACITOR EXISTING
- SWITCH M.O. NEW
- SWITCH M.O. EXISTING
- SWITCH M.C. NEW
- SWITCH M.C. EXISTING
- METER
- WARNING MARKER
- PHASING
- SKINS
- STREET LIGHT
- COMM PEDestal

320TH ST
D AVE
OHG
G7118-20K
83
84
G7122
N.C.
37
36

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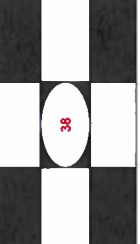
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				ALLIANT ENERGY WORK REQUEST # 4236492		LOCATION MCCALLSBURG, IA	
EXISTING SECONDARY/SERVICE NEW SECONDARY EXISTING LINE UG NEW 3PH LINE UG NEW 3PH LINE OH EXISTING LINE OH NEW 3PH LINE OH		LINE TYPES GAS WATER ELECTRICAL STORM SANITARY CABLE TV TELEPHONE		SYMBOL LEGEND TRANSFORMER 3PH PAD MOUNTED NEW TRANSFORMER 3PH PAD MOUNTED EXISTING TRANSFORMER 3PH PAD MOUNTED NEW TRANSFORMER 3PH POLE MOUNTED NEW TRANSFORMER 3PH POLE MOUNTED EXISTING TRANSFORMER 3PH POLE MOUNTED NEW TRANSFORMER 3PH POLE MOUNTED EXISTING		DATE: 9/22/2021 D.V. T.J. DATE: 11/5/2021 D.V. T.J. DATE: 8/22/2021 KWA PE A.S.	
NEW POLE POWER FED NEW WARNING MARKER METER PHASING SIGNS STREET LIGHT COMM. FORESTAL		CAPACITOR NEW CAPACITOR EXISTING SWITCH N.O. NEW SWITCH N.O. EXISTING SWITCH N.C. NEW SWITCH N.C. EXISTING		FIELD BY: D.V. T.J. DATE: 11/5/2021		APPROVAL DATE: KWA PE A.S.	
SECTION POLE NEW TRANSMISSION POLE EXISTING POLE EXISTING ANCHOR NEW ANCHOR EXISTING FUSE NEW FUSE EXISTING GROUND NEW GROUND EXISTING		TRANSFORMER 3PH PAD MOUNTED EXISTING TRANSFORMER 3PH PAD MOUNTED EXISTING TRANSFORMER 3PH PAD MOUNTED EXISTING TRANSFORMER 3PH POLE MOUNTED EXISTING TRANSFORMER 3PH POLE MOUNTED EXISTING TRANSFORMER 3PH POLE MOUNTED EXISTING		DATE: 9/22/2021 D.V. T.J. DATE: 11/5/2021 D.V. T.J. DATE: 8/22/2021 KWA PE A.S.		APPROVAL DATE: KWA PE A.S.	

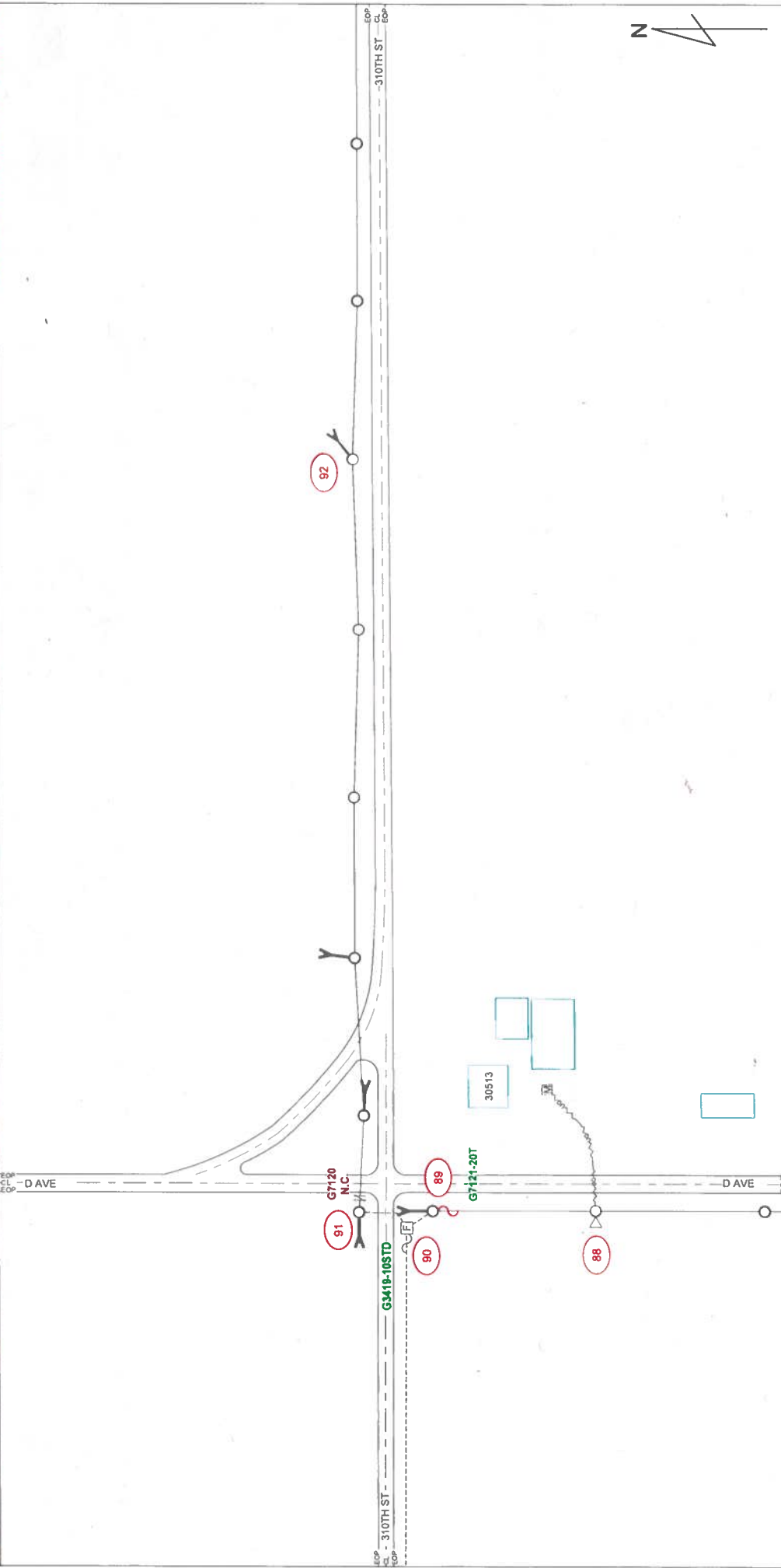
mi-TECH
 Paul Du Lac - Owner
 800.663.8500



DATE:	9/22/2021
D.V.:	T.J.
DATE:	11/5/2021
D.V.:	T.J.
DATE:	8/22/2021
KWA PE:	A.S.



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mi-TECH
 Field Dr. Inc. - Oneida, Michigan - 517.245.2020

LINE TYPES

EXISTING SECONDARY SERVICE	NEW SECONDARY SERVICE	EXISTING LINE US	NEW 3PH LINE US	NEW 3PH LINE US	EXISTING LINE CH	NEW 3PH LINE CH	NEW 3PH LINE CH
EXISTING GAS	NEW GAS	EXISTING WATER	NEW WATER	EXISTING ELECTRICAL	NEW ELECTRICAL	EXISTING SANITARY	NEW SANITARY
EXISTING CABLE TV	NEW CABLE TV	EXISTING TELEPHONE	NEW TELEPHONE				

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING

LINE TYPES

TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING	TRANSFORMER 3PH PAD MOUNTED NEW	TRANSFORMER 3PH PAD MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING
TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING	TRANSFORMER 3PH MOUNTED NEW	TRANSFORMER 3PH MOUNTED EXISTING

SYMBOL LEGEND

NEW POLE	POLE EXISTING	NEW POLE	POLE EXISTING	NEW POLE	POLE EXISTING	NEW POLE	POLE EXISTING
POWER FED NEW	POWER FED EXISTING	POWER FED NEW	POWER FED EXISTING	POWER FED NEW	POWER FED EXISTING	POWER FED NEW	POWER FED EXISTING
WARNING MARKER	METER	WARNING MARKER	METER	WARNING MARKER	METER	WARNING MARKER	METER
PHASING	SEALS	PHASING	SEALS	PHASING	SEALS	PHASING	SEALS
STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL
STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL	STREET LIGHT	COMM PERISTAL

FILED BY: DATE: 9/22/2021
D.V.: DATE: 11/5/2021
T.J.: DATE: 9/22/2021
DESIGNED BY: DATE: 9/22/2021
D.V.: DATE: 9/22/2021
IOWA PE: DATE: 9/22/2021
A.S.: DATE: 9/22/2021

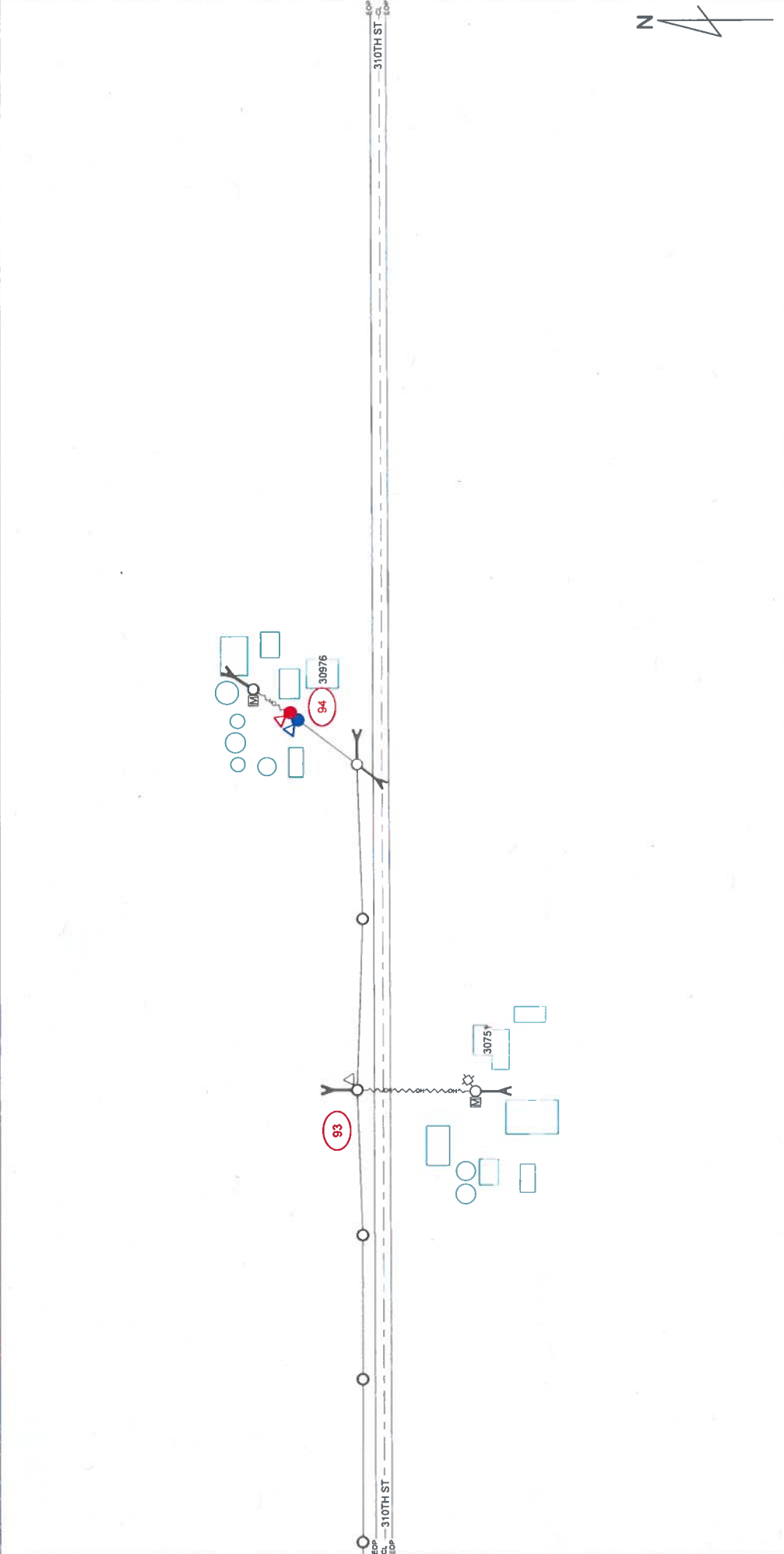
4236492

ALLIANT ENERGY WORK REQUEST #

LOCATION: MCCALLSBURG, IA

mi-TECH
 Field Dr. Inc. - Oneida, Michigan - 517.245.2020

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mi-TECH
Owned By: Linc - Omaha, Neb - Alliant Energy - Minneapolis
1-800-645-8200

Alliant Energy

ALLIANT ENERGY WORK REQUEST # 4236492
 LOCATION: MCCALLSBURG, IA

FIELD BY:	DATE:
D.V.	9/22/2021
DRAFTED BY:	DATE:
T.J.	11/5/2021
DESIGNED BY:	DATE:
D.V.	9/22/2021
IOWA PE:	APPROVAL DATE:
A.S.	

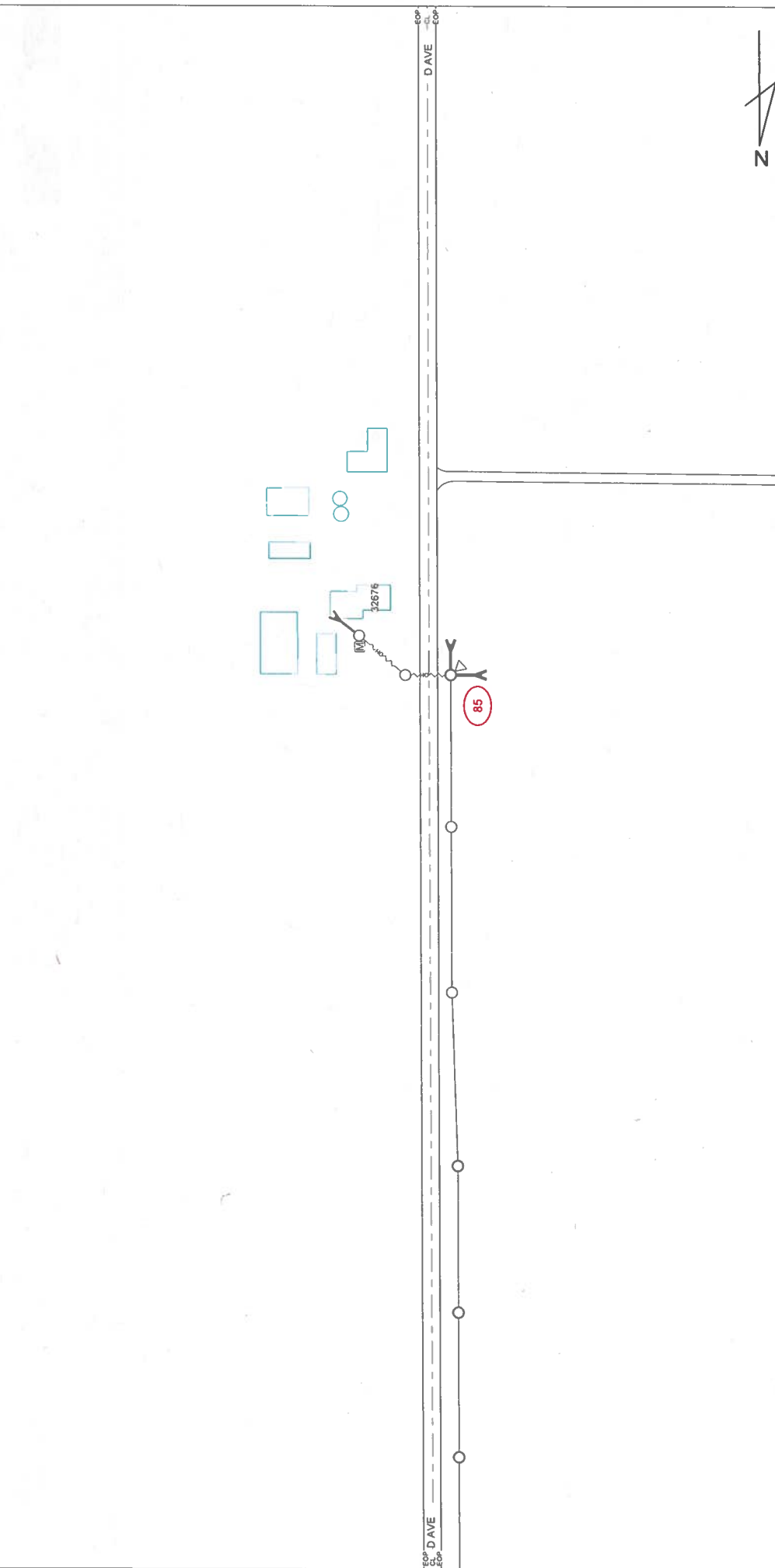
LINE TYPES

	EXISTING SECONDARY SERVICE
	NEW SECONDARY
	EXISTING LIKE LUG
	NEW 3PH LIKE LUG
	EXISTING LIKE OH
	NEW 3PH LIKE OH
	EXISTING LIKE OH
	NEW 3PH LIKE OH

SYMBOL LEGEND

	TRANSFORMER 3PH PAD MOUNTED NEW		CAPACITOR NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING		CAPACITOR EXISTING
	TRANSFORMER 3PH PAD MOUNTED NEW		SWITCH N.O. NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING		SWITCH N.O. EXISTING
	TRANSFORMER 3PH PAD MOUNTED NEW		SWITCH H.C. NEW
	TRANSFORMER 3PH PAD MOUNTED EXISTING		SWITCH H.C. EXISTING
	TRANSFORMER 3PH PAD MOUNTED NEW		SWITCH K.C. EXISTING
	TRANSFORMER 3PH PAD MOUNTED EXISTING		SWITCH K.C. EXISTING

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MI-TECH
 800-463-2929
 1000 1st Ave, McCallsburg, IA 50558

SYMBOL LEGEND

●	TRANSMISSION POLE NEW	●	NEW POLE
○	TRANSMISSION POLE EXISTING	□	POWER PAD EXISTING
○	POLE EXISTING	□	WARNING MARKER
○	ANCHOR NEW	○	METER
○	ANCHOR EXISTING	○	PHASING
○	FUSE NEW	○	STREETS LIGHT
○	FUSE EXISTING	○	COMB PERISOL
○	GROUND NEW		
○	GROUND EXISTING		
○	SWITCH N.O. EXISTING		
○	SWITCH N.C. NEW		
○	SWITCH N.C. EXISTING		

LINETYPES

---	EXISTING SECONDARY/SERVICE	---	NEW SECONDARY
---	EXISTING LINE UG	---	NEW 3PH LINE UG
---	NEW 3PH LINE UG	---	NEW 3PH LINE CH
---	EXISTING LINE CH	---	NEW 3PH LINE CH

LINE TYPES

---	GAS
---	WATER
---	ELECTRICAL
---	STORM
---	SANITARY
---	CABLE TV
---	TELEPHONE

SYMBOL LEGEND

○	CAPACITOR NEW	○	SWITCH N.O. NEW
○	CAPACITOR EXISTING	○	SWITCH N.O. EXISTING
○	ANCHOR NEW	○	SWITCH N.C. NEW
○	ANCHOR EXISTING	○	SWITCH N.C. EXISTING
○	FUSE NEW	○	GROUND NEW
○	FUSE EXISTING	○	GROUND EXISTING
○	GROUND NEW	○	SWITCH N.C. EXISTING
○	GROUND EXISTING		

LOCATION: MCCALLSBURG, IA

4236492

DATE: 9/22/2021

DESIGNED BY: T.J.

DATE: 11/5/2021

APPROVAL DATE: 9/22/2021

DESIGNED BY: IOWA PE

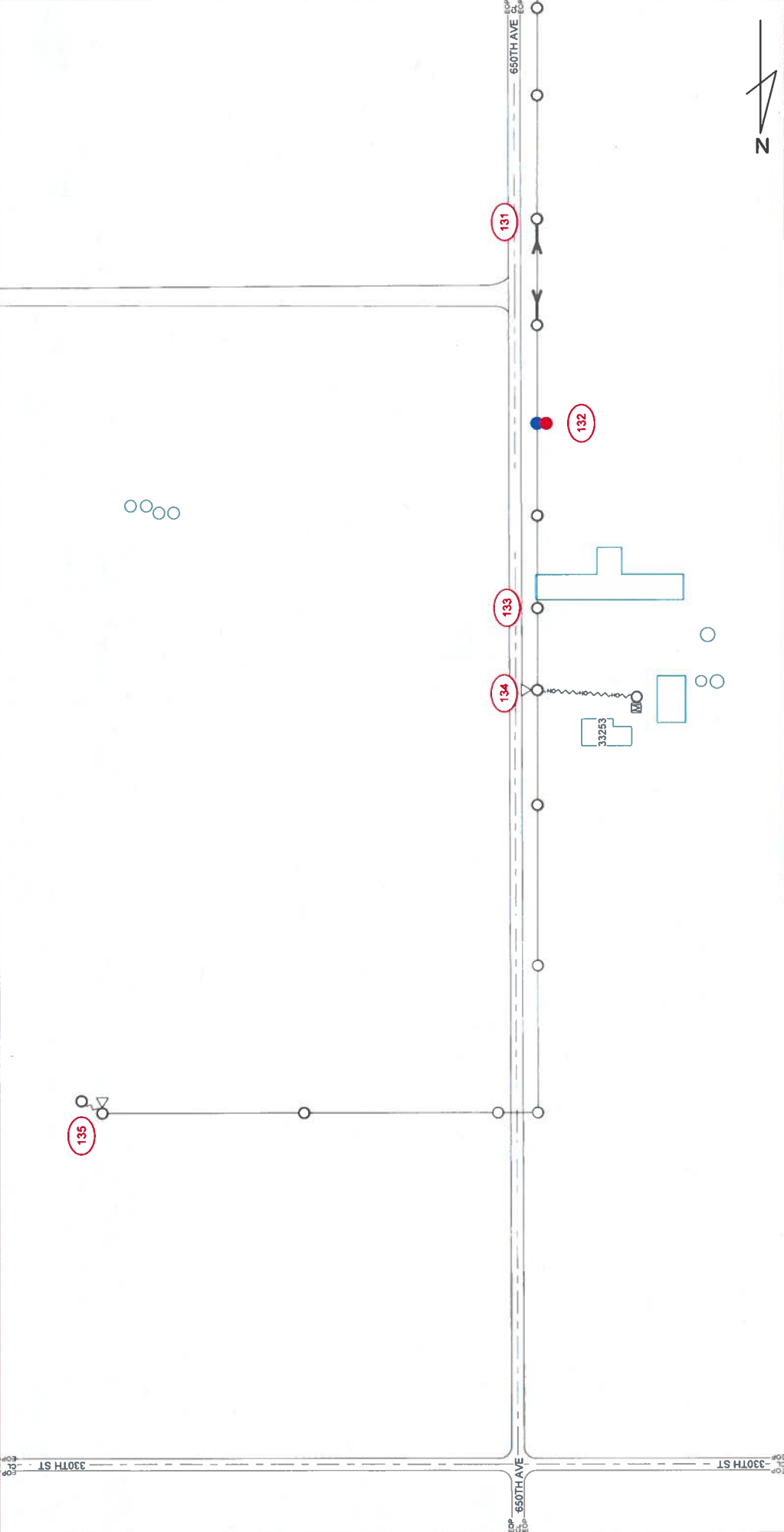
APPROVAL DATE: A.S.

FILED BY: D.V.

DATE: 9/22/2021

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UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION AND CONTACT WITH UTILITY OWNERS. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY IPL CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GENERAL REAL WORLD LOCATIONS AND DIRECTION, AND SHOULD NOT BE INTERPRETED AS EXACT. SOME INTENDED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



LINE TYPES

EXISTING SECONDARY/SERVICE	---
NEW SECONDARY	---
EXISTING LINE UG	---
NEW 3PH LINE UG	---
NEW 3PH LINE UG	---
EXISTING LINE OH	---
NEW 3PH LINE OH	---
NEW 3PH LINE OH	---

LINE TYPES

SEWER	---
GAS	---
WATER	---
ELECTRICAL	---
STORM	---
SANITARY	---
CABLE TV	---
TELEPHONE	---

SYMBOL LEGEND

TRANSFORMER 3PH PAD MOUNTED NEW	⊗
TRANSFORMER 3PH PAD MOUNTED EXISTING	⊗
TRANSFORMER 1PH PAD MOUNTED NEW	⊗
TRANSFORMER 1PH PAD MOUNTED EXISTING	⊗
TRANSFORMER 3PH POLE MOUNTED NEW	⊗
TRANSFORMER 3PH POLE MOUNTED EXISTING	⊗
TRANSFORMER 2PH POLE MOUNTED NEW	⊗
TRANSFORMER 2PH POLE MOUNTED EXISTING	⊗
TRANSFORMER 1PH POLE MOUNTED NEW	⊗
TRANSFORMER 1PH POLE MOUNTED EXISTING	⊗
NEW POLE	●
POWER FID NEW	○
POWER FID EXISTING	○
ANCHOR NEW	⊙
ANCHOR EXISTING	⊙
FLUSE NEW	⊙
FLUSE EXISTING	⊙
GROUND NEW	⊙
GROUND EXISTING	⊙
SWITCH N.O. NEW	⊙
SWITCH N.O. EXISTING	⊙
SWITCH N.C. NEW	⊙
SWITCH N.C. EXISTING	⊙
MARKING MARKER	⊙
METER	⊙
FLAG	⊙
STREET LIGHT	⊙
CONDUIT FEDERAL	⊙

MI-TECH
Field Dr. Lot 4 - O'Connell Bldg. - Maccallsburg - Illinois, IA 500-464-8700

ALLIANT ENERGY HAS DIRECTED THAT ENGINEERING RISING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A MI-TECH ENGINEER DOES NOT REVIEW THE PLAN SET INCLUDING ALL CALCULATIONS OR ANALYSIS FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. MI-TECH WILL USE INDUSTRY STANDARDS FOR REVIEWS AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY.

ALLIANT ENERGY WORK REQUEST #
4236492

LOCATION:
MCCALLSBURG, IA

FILED BY:	DATE:
D.V.	9/22/2021
DRAFTED BY:	DATE:
T.J.	11/15/2021
DESIGNED BY:	DATE:
D.V.	9/22/2021
KOWA PE:	APPROVAL DATE:
A.S.	

Urban Renewal Area Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: HARDIN COUNTY JENNINGS PARK URBAN RENEWAL
 UR Area Number: 42011
 UR Area Creation Date: 06/2002
 UR Area Purpose: See attached plan

Tax Districts within this Urban Renewal Area

	Base No.	Increment No.	Increment Value Used
IOWA FALLS CITY/IOWA FALLS SCH/CO UR1 CARBO TECH INCREMENT	420140	420141	0

Urban Renewal Area Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	0	0	0	0	0	0
Taxable	0	0	0	0	0	0	0	0	0
Homestead Credits									0

TIF Sp. Rev. Fund Cash Balance as of 07-01-2020: 0 0 **Amount of 07-01-2020 Cash Balance Restricted for LMI**

TIF Revenue: 0
 TIF Sp. Revenue Fund Interest: 0
 Property Tax Replacement Claims: 0
 Asset Sales & Loan Repayments: 0
Total Revenue: 0

Rebate Expenditures: 0
 Non-Rebate Expenditures: 0
 Returned to County Treasurer: 0
Total Expenditures: 0

TIF Sp. Rev. Fund Cash Balance as of 06-30-2021: 0 0 **Amount of 06-30-2021 Cash Balance Restricted for LMI**

The internal loans in 2011-2014 from the Gen.Fund were required to make the bond payments. TIF revenue wasn't enough to do so. The loans are repaid by TIF revenue which will be entirely recaptured between 2015 and 2018. They are included in TIF rev.

256 Characters Left

Sum of Private Investment Made Within This Urban Renewal Area
during FY 2021

TIF Taxing District Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: HARDIN COUNTY JENNINGS PARK URBAN RENEWAL (42011)
 TIF Taxing District Name: IOWA FALLS CITY/IOWA FALLS SCH/CO UR1 CARBO TECH INCREMENT
 TIF Taxing District Inc. Number: 420141
 TIF Taxing District Base Year: 2001
 FY TIF Revenue First Received: 2004
 Subject to a Statutory end date? Yes
 Fiscal year this TIF Taxing District statutorily ends: 2023

	UR Designation
Slum	No
Blighted	No
Economic Development	04/2002

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	0	0	0	0	0	0
Taxable	0	0	0	0	0	0	0	0	0
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	7,070	0	0	0	0

FY 2021 TIF Revenue Received: 0

Urban Renewal Area Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL
 UR Area Number: 42012
 UR Area Creation Date: 08/2003
 UR Area Purpose: see attached plan

Tax Districts within this Urban Renewal Area

	Base No.	Increment No.	Increment Value Used
CLAY TWP/AGWSR SCH/PLCP TIF INCREMENT	420146	420147	0
CLAY TWP NRP	420216	420217	684,870

Urban Renewal Area Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	1,493,820	0	0	1,493,820	0	1,493,820
Taxable	0	0	0	1,344,438	0	0	1,344,438	0	1,344,438
Homestead Credits									0

TIF Sp. Rev. Fund Cash Balance as of 07-01-2020: **1,256** **0** **Amount of 07-01-2020 Cash Balance Restricted for LMI**

TIF Revenue: 15,214
 TIF Sp. Revenue Fund Interest: 0
 Property Tax Replacement Claims: 0
 Asset Sales & Loan Repayments: 0
Total Revenue: 15,214

Rebate Expenditures: 7,172
 Non-Rebate Expenditures: 0
 Returned to County Treasurer: 0
Total Expenditures: 7,172

TIF Sp. Rev. Fund Cash Balance as of 06-30-2021: **9,298** **0** **Amount of 06-30-2021 Cash Balance Restricted for LMI**

Projects For HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL

NRP

Description:	Expansion/cold storage
Classification:	Industrial/manufacturing property
Physically Complete:	Yes
Payments Complete:	No

Debts/Obligations For HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL

NRP rebate

Debt/Obligation Type:	Rebates
Principal:	202,935
Interest:	0
Total:	202,935
Annual Appropriation?:	No
Date Incurred:	12/22/2016
FY of Last Payment:	2029

Rebates For HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL

33460 170th St Steamboat Rock, IA

TIF Expenditure Amount:	7,172
Rebate Paid To:	NRP
Tied To Debt:	NRP rebate
Tied To Project:	NRP
Projected Final FY of Rebate:	2029

33460 170th St Steamboat Rock

TIF Expenditure Amount:	0
Rebate Paid To:	NRP (prior FY 2nd half payment)
Tied To Debt:	NRP rebate
Tied To Project:	NRP
Projected Final FY of Rebate:	2019

PLCP bonds are paid in full (FY19). The NRP rebate is up to 300,000 maximum over ten years.

256 Characters Left

Sum of Private Investment Made Within This Urban Renewal Area
during FY 2021

TIF Taxing District Data Collection

Local Government Name:	HARDIN COUNTY (42)
Urban Renewal Area:	HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL (42012)
TIF Taxing District Name:	CLAY TWP/AGWSR SCH/PLCP TIF INCREMENT
TIF Taxing District Inc. Number:	420147
TIF Taxing District Base Year:	2002
FY TIF Revenue First Received:	2007
Subject to a Statutory end date?	Yes
Fiscal year this TIF Taxing District statutorily ends:	2023

UR Designation	
Slum	No
Blighted	No
Economic Development	06/2003

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	0	0	0	0	0	0
Taxable	0	0	0	0	0	0	0	0	0
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	166,385	0	0	0	0

FY 2021 TIF Revenue Received: 0

TIF Taxing District Data Collection

Local Government Name:	HARDIN COUNTY (42)
Urban Renewal Area:	HARDIN COUNTY PINE LAKE CORN PROCESSORS URBAN RENEWAL (42012)
TIF Taxing District Name:	CLAY TWP NRP
TIF Taxing District Inc. Number:	420217
TIF Taxing District Base Year:	2016
FY TIF Revenue First Received:	2017
Subject to a Statutory end date?	Yes
Fiscal year this TIF Taxing District statutorily ends:	2029

UR Designation	
Slum	No
Blighted	No
Economic Development	No

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	1,493,820	0	0	1,493,820	0	1,493,820
Taxable	0	0	0	1,344,438	0	0	1,344,438	0	1,344,438
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	808,950	684,870	684,870	0	0

FY 2021 TIF Revenue Received: 15,214

Urban Renewal Area Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: GARDEN WIND FARM URBAN RENEWAL
 UR Area Number: 42014
 UR Area Creation Date: 06/2010
 UR Area Purpose: See attached plan

Tax Districts within this Urban Renewal Area

	Base No.	Increment No.	Increment Value Used
CONCORD TWP/HUB-RAD SCH/GARDEN WIND TIF INCREMENT	420180	420181	10,265,919
GRANT TWP/HUB-RAD SCH/GARDEN WIND TIF INCREMENT	420182	420183	383,814
GRANT TWP/NESCO SCH/GARDEN WIND TIF INCREMENT	420184	420185	987,031
CONCORD TWP/NESCO SCH/GARDEN WIND TIF INCREMENT	420186	420187	1,270,285

Urban Renewal Area Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	43,551,040	0	0	43,551,040	0	43,551,040
Taxable	0	0	0	39,195,936	0	0	39,195,936	0	39,195,936
Homestead Credits									0

TIF Sp. Rev. Fund Cash Balance as of 07-01-2020: **325,837** **0** **Amount of 07-01-2020 Cash Balance Restricted for LMI**

TIF Revenue: 144,570
 TIF Sp. Revenue Fund Interest: 0
 Property Tax Replacement Claims: 0
 Asset Sales & Loan Repayments: 0
Total Revenue: 144,570

Rebate Expenditures: 0
 Non-Rebate Expenditures: 274,476
 Returned to County Treasurer: 0
Total Expenditures: 274,476

TIF Sp. Rev. Fund Cash Balance as of 06-30-2021: **195,931** **0** **Amount of 06-30-2021 Cash Balance Restricted for LMI**

Projects For GARDEN WIND FARM URBAN RENEWAL

County Road D-65

Description:	Hot Mix Asphalt Overlay work, 8.0 miles
Classification:	Roads, Bridges & Utilities
Physically Complete:	Yes
Payments Complete:	No

County Road D-65

Description:	Hot Mix Asphalt Overlay work, 8.0 miles
Classification:	Roads, Bridges & Utilities
Physically Complete:	Yes
Payments Complete:	No

Debts/Obligations For GARDEN WIND FARM URBAN RENEWAL

GO Bond 2017 Refunding/refinance

Debt/Obligation Type:	TIF Revenue Bonds/Notes
Principal:	305,000
Interest:	5,036
Total:	310,036
Annual Appropriation?:	No
Date Incurred:	05/10/2017
FY of Last Payment:	2022

Non-Rebates For GARDEN WIND FARM URBAN RENEWAL

TIF Expenditure Amount:	274,476
Tied To Debt:	GO Bond 2017 Refunding/refinance
Tied To Project:	County Road D-65

▲ Annual Urban Renewal Report, Fiscal Year 2020 - 2021

GO Bonds were refinanced/refunded in 2017. Additional cash was paid towards principal from the TIF fund balance. This shaved five years off the payment schedule.

256 Characters Left

Sum of Private Investment Made Within This Urban Renewal Area
during FY 2021

TIF Taxing District Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: GARDEN WIND FARM URBAN RENEWAL (42014)
 TIF Taxing District Name: CONCORD TWP/HUB-RAD SCH/GARDEN WIND TIF INCREMENT
 TIF Taxing District Inc. Number: 420181
 TIF Taxing District Base Year: 2010
 FY TIF Revenue First Received: 2013
 Subject to a Statutory end date? No

UR Designation	
Slum	No
Blighted	No
Economic Development	05/2010

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	34,269,660	0	0	34,269,660	0	34,269,660
Taxable	0	0	0	30,842,694	0	0	30,842,694	0	30,842,694
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	0	30,842,694	10,265,919	20,576,775	460,921

FY 2021 TIF Revenue Received: 114,211

TIF Taxing District Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: GARDEN WIND FARM URBAN RENEWAL (42014)
 TIF Taxing District Name: GRANT TWP/HUB-RAD SCH/GARDEN WIND TIF INCREMENT
 TIF Taxing District Inc. Number: 420183
 TIF Taxing District Base Year: 2010
 FY TIF Revenue First Received: 2013
 Subject to a Statutory end date? No

UR Designation	
Slum	No
Blighted	No
Economic Development	05/2010

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	1,427,900	0	0	1,427,900	0	1,427,900
Taxable	0	0	0	1,285,110	0	0	1,285,110	0	1,285,110
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	0	1,285,110	383,814	901,296	20,300

FY 2021 TIF Revenue Received: 4,337

TIF Taxing District Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: GARDEN WIND FARM URBAN RENEWAL (42014)
 TIF Taxing District Name: GRANT TWP/NESCO SCH/GARDEN WIND TIF INCREMENT
 TIF Taxing District Inc. Number: 420185
 TIF Taxing District Base Year: 2010
 FY TIF Revenue First Received: 2013
 Subject to a Statutory end date? No

UR Designation	
Slum	No
Blighted	No
Economic Development	05/2010

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	3,569,760	0	0	3,569,760	0	3,569,760
Taxable	0	0	0	3,212,784	0	0	3,212,784	0	3,212,784
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	0	3,212,784	987,031	2,225,753	43,983

FY 2021 TIF Revenue Received: 11,565

TIF Taxing District Data Collection

Local Government Name: HARDIN COUNTY (42)
 Urban Renewal Area: GARDEN WIND FARM URBAN RENEWAL (42014)
 TIF Taxing District Name: CONCORD TWP/NESCO SCH/GARDEN WIND TIF INCREMENT
 TIF Taxing District Inc. Number: 420187
 TIF Taxing District Base Year: 2010
 FY TIF Revenue First Received: 2013
 Subject to a Statutory end date? No

UR Designation	
Slum	No
Blighted	No
Economic Development	05/2010

TIF Taxing District Value by Class - 1/1/2019 for FY 2021

	Agricultural	Residential	Commercial	Industrial	Other	Military	Total	Gas/Electric Utility	Total
Assessed	0	0	0	4,283,720	0	0	4,283,720	0	4,283,720
Taxable	0	0	0	3,855,348	0	0	3,855,348	0	3,855,348
Homestead Credits									0

	Frozen Base Value	Max Increment Value	Increment Used	Increment Not Used	Increment Revenue Not Used
Fiscal Year 2021	0	3,855,348	1,270,285	2,585,063	50,765

FY 2021 TIF Revenue Received: 14,457