



GRINNELL CITY COUNCIL REGULAR SESSION MEETING  
MONDAY, FEBRUARY 17, 2020 AT 7:00 P.M.  
IN THE COUNCIL CHAMBERS

***MINUTES***

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Mayor Agnew called the meeting to order at 7:00 p.m. with the following all council members in attendance.

White made the motion, second by Hueftle-Worley to approve the agenda. AYES: 6-0. Motion carried.

Hueftle-Worley made the motion, second by White to approve the consent agenda as follows:

1. Previous minutes as drafted from the Monday, February 3, 2020 Regular Session.
2. Approve Mayor and Council reappointments:
  1. Parks and Recreation (fulfill remainder of term expiring June 30, 2021)
    - 1) Sabrina Edsen
3. Approve Liquor Licenses renewal:
  1. Dollar General Store, 114 West St S.
4. Approve Nicholas Pritchard as Assistant Recreation Director with a starting wage of \$20.71 an hour with a start date of February 26, 2020.
5. Review Campbell Fund requests.

AYES: 6-0. Motion carries.

The Council acknowledged receipt of the previous meeting minutes and other communications as follows:

- a) Finance Committee minutes: February 3, 2020.
- b) Public Safety Committee minutes: February 3, 2020.
- c) Planning Committee minutes: February 3, 2020.
- d) Public Works & Grounds Committee minutes: February 3, 2020.
- e) Parks & Recreation Board minutes: February 10, 2020.
- f) January 2020 Monthly Treasurer's Report.
- g) January 2020 Monthly Police Report.
- h) January 2020 Monthly Building Permit Report.

The Mayor announced it was the time and place for the public hearing on Proposed Property Tax Levy. He asked for any comments written or verbal, for or against the Proposed Property Tax Levy. There were none.

Hueftle-Worley made the motion, second by White to close the public hearing. AYES: 6-0. Motion carried.

## **FINANCE COMMITTEE**

Wray made the motion, second by White to approve Resolution No. 2020-28 – A resolution approving FY 2021 maximum property tax dollars. AYES: 6-0. Motion carried.

Wray made the motion, second by White to approve sending the 915 Main Street project to Historic Preservation to review and comment on within 30 days. AYES: 6-0. Motion carried.

## **PUBLIC WORKS AND GROUNDS COMMITTEE**

No meeting was held.

## **PUBLIC SAFETY COMMITTEE**

White made the motion, second by Hueftle-Worley to direct staff and Police Chief to put together an ordinance amendment to address animal waste. AYES: 6-0. Motion carried.

White made the motion, second by Davis to approve 24-hour parking for new parking lot located at 728 Main St. AYES: 6-0. Motion carried.

White made the motion, second by Hueftle-Worley to approve further discussions about ambulance service outside the Grinnell city limits. AYES: 6-0. Motion carried.

## **PLANNING COMMITTEE**

Bly made the motion, second by Gaard to approve Tom Lacina's request for sidewalk structure on Broad Street within building codes. AYES: 6-0. Motion carried.

## **ADJOURNMENT**

1) The Mayor declared the meeting adjourned at 7:17 p.m.

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DAN F. AGNEW, MAYOR

ATTEST:

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ANNMARIE WINGERTER, CITY CLERK/FINANCE DIRECTOR

**Applicant License Application ( LE0001621 )**

<b>Name of Applicant:</b> <u>Fareway Stores, Inc.</u>		
<b>Name of Business (DBA):</b> <u>Fareway Stores, Inc. #737</u>		
<b>Address of Premises:</b> <u>727 West Street</u>		
<b>City</b> <u>Grinnell</u>	<b>County:</b> <u>Poweshiek</u>	<b>Zip:</b> <u>50112</u>
<b>Business</b>	<u>(641) 236-3331</u>	
<b>Mailing</b> <u>2300 Industrial Park Road</u>		
<b>City</b> <u>Boone</u>	<b>State</b> <u>IA</u>	<b>Zip:</b> <u>50036</u>

**Contact Person**

<b>Name</b> <u>Tracey L. Wilson</u>	
<b>Phone:</b> <u>(515) 433-5336</u>	<b>Email</b> <u>twilson@farewaystores.com</u>

**Classification** Class E Liquor License (LE)

**Term:**12 months

**Effective Date:** 03/22/2019

**Expiration Date:** 03/21/2020

**Privileges:**

- Class B Wine Permit
- Class C Beer Permit (Carryout Beer)
- Class E Liquor License (LE)

**Status of Business**

<b>BusinessType:</b> <u>Privately Held Corporation</u>	
<b>Corporate ID Number:</b> <u>XXXXXXXXXX</u>	<b>Federal Employer ID</b> <u>XXXXXXXXXX</u>

**Ownership**

**Fred E. Vitt Control Trust**

**First Name:** Fred E. **Last Name:** Vitt Control Trust  
**City:** Boone **State:** Iowa **Zip:** 50036  
**Position:** Trust  
**% of Ownership:** 10.87% **U.S. Citizen:** Yes

**Garrett S Piklapp**

**First Name:** Garrett S **Last Name:** Piklapp  
**City:** Huxley **State:** Iowa **Zip:** 50124  
**Position:** Secetary  
**% of Ownership:** 0.00% **U.S. Citizen:** Yes

**Fareway Control Trust**

**First Name:** Fareway **Last Name:** Control Trust  
**City:** Boone **State:** Iowa **Zip:** 50036

**Position:** Trust

**% of Ownership:** 55.88%

**U.S. Citizen:** **Yes**

**Various Individuals & Trust each holding less than 5%.**

**First Name:** Various Individuals & Trust **Last Name:** each holding less than 5%

**City:** Unknown

**State:** Iowa

**Zip:** 55555

**Position:** Stockholders

**% of Ownership:** 33.25%

**U.S. Citizen:** **Yes**

### Insurance Company Information

<b>Insurance Company:</b> <u>Merchants Bonding Company</u>	
<b>Policy Effective Date:</b> <u>03/22/2019</u>	<b>Policy Expiration</b> <u>01/01/1900</u>
<b>Bond Effective</b> <u>2</u>	<b>Dram Cancel Date:</b>
<b>Outdoor Service Effective</b>	<b>Outdoor Service Expiration</b>
<b>Temp Transfer Effective</b>	<b>Temp Transfer Expiration Date:</b>

**Applicant License Application ( LC0042424 )**

<b>Name of Applicant:</b>	<u>Trustees of Grinnell College</u>		
<b>Name of Business (DBA):</b>	<u>Grinnell College</u>		
<b>Address of Premises:</b>	<u>933 13th Avenue</u>		
<b>City</b>	<u>Grinnell</u>	<b>County:</b>	<u>Poweshiek</u> <b>Zip:</b> <u>5011216</u>
<b>Business</b>	<u>(641) 236-3590</u>		
<b>Mailing</b>	<u>733 Broad Street</u>		
<b>City</b>	<u>Grinnell</u>	<b>State</b>	<u>IA</u> <b>Zip:</b> <u>501121690</u>

**Contact Person**

<b>Name</b>	<u>James Mulholland</u>		
<b>Phone:</b>	<u>(641) 269-4818</u>	<b>Email</b>	<u>mulholla@grinnell.edu</u>

**Classification** Class C Liquor License (LC) (Commercial)

**Term:**12 months

**Effective Date:** 03/30/2019

**Expiration Date:** 03/29/2020

**Privileges:**

- Catering Privilege
- Class C Liquor License (LC) (Commercial)
- Outdoor Service
- Sunday Sales

**Status of Business**

<b>BusinessType:</b>	<u>Privately Held Corporation</u>		
<b>Corporate ID Number:</b>	<u>XXXXXXXXXX</u>	<b>Federal Employer ID</b>	<u>XXXXXXXXXX</u>

**Ownership**

**James Mulholland**

**First Name:** James **Last Name:** Mulholland  
**City:** Grinnell **State:** Iowa **Zip:** 50112  
**Position:** Assistant Treasurer  
**% of Ownership:** 100.00% **U.S. Citizen:** Yes

**Insurance Company Information**

<b>Insurance Company:</b>	<u>Scottsdale Insurance Company</u>		
<b>Policy Effective Date:</b>	<u>03/30/2019</u>	<b>Policy Expiration</b>	<u>03/30/2020</u>
<b>Bond Effective</b>		<b>Dram Cancel Date:</b>	
<b>Outdoor Service Effective</b>		<b>Outdoor Service Expiration</b>	

**Temp Transfer Effective**

**Temp Transfer Expiration Date:**



4. List any other items of concern particular to this project:
5. **Administrative Fee:** An Administrative fee of \$50.00 shall be due and payable to the City Engineer at the time of filing of the initial license application and at the time of filing of each proposed amendment to the license. (Attach copy of receipt)  
Receipt No. \_\_.
6. **Use Fee: (Serving no additional customers)** If the licensed serves no customers other than itself, then in addition to the Administrative Fee, the licensee shall pay a use fee to the City Engineer at the time of filing of the initial license application. The amount of the use fee shall be the greater of the following two (2) amounts: \$100.00 or \$1.00 per lineal foot of route traversed by the communication line within any public right-of-way in a C-2 zone and \$0.50 per lineal foot in any other part of the city. At the time of filing of each proposed amendment to the license involving an increase in the length of route traversed within public right-of-way, the licensee shall pay to the City Engineer an additional fee computed at the rate of \$1.00 per lineal foot of additional route of traversed within any public right-of-way.

**(Serving additional customers)** If the licensed system serves customers other than the licensee itself, then, in addition to the administrative fee, the licensee shall pay an annual use fee to the City Engineer. The annual use fee shall be based on a license year ending on March 31 of each year, and the use fee for each license year shall be due and payable at the end of such year on March 31, or if the license has terminated during such year, on the date of termination. The amount of the annual use fee shall be the greater of the following two (2) amounts: \$100.00, or three percent of the gross revenues derived by the licensee from the sale or exchange of services in connection with the operation of the licensee's communications system within the public right-of-way during the license year. Each annual use fee payment shall be accompanied by a report from the licensee in a form approved by the City Manager and the city legal department showing the basis for the computation of the fee and such other relevant data as may be required by the City Manager and the city legal department. Each such report shall contain a notarized verification by the chief financial officer of the licensee, and upon request by the city, such reports shall be verified by a certified public accountant at the expense of the licensee.

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**Office Use Only**

<b>Fees:</b>	<b>Administrative Fee:</b>		<b><u>\$50.00</u></b>
	<b>Use Fee:</b>		
	<b>(No Additional Customers) Greater of \$100.00 or:</b>		
	<b>Linear Feet Within C-2:</b> _____	x \$1.00	_____
	<b>Linear Feet Outside C-2:</b> <u>2105</u>	x \$0.50	<u>1052.50</u>
		<b><u>Total:</u></b>	<b><u>\$ 1102.50</u></b>

**(Additional Customers) Greater of \$100.00 or 3% Gross Revenues from Services.  
Paid annually.**

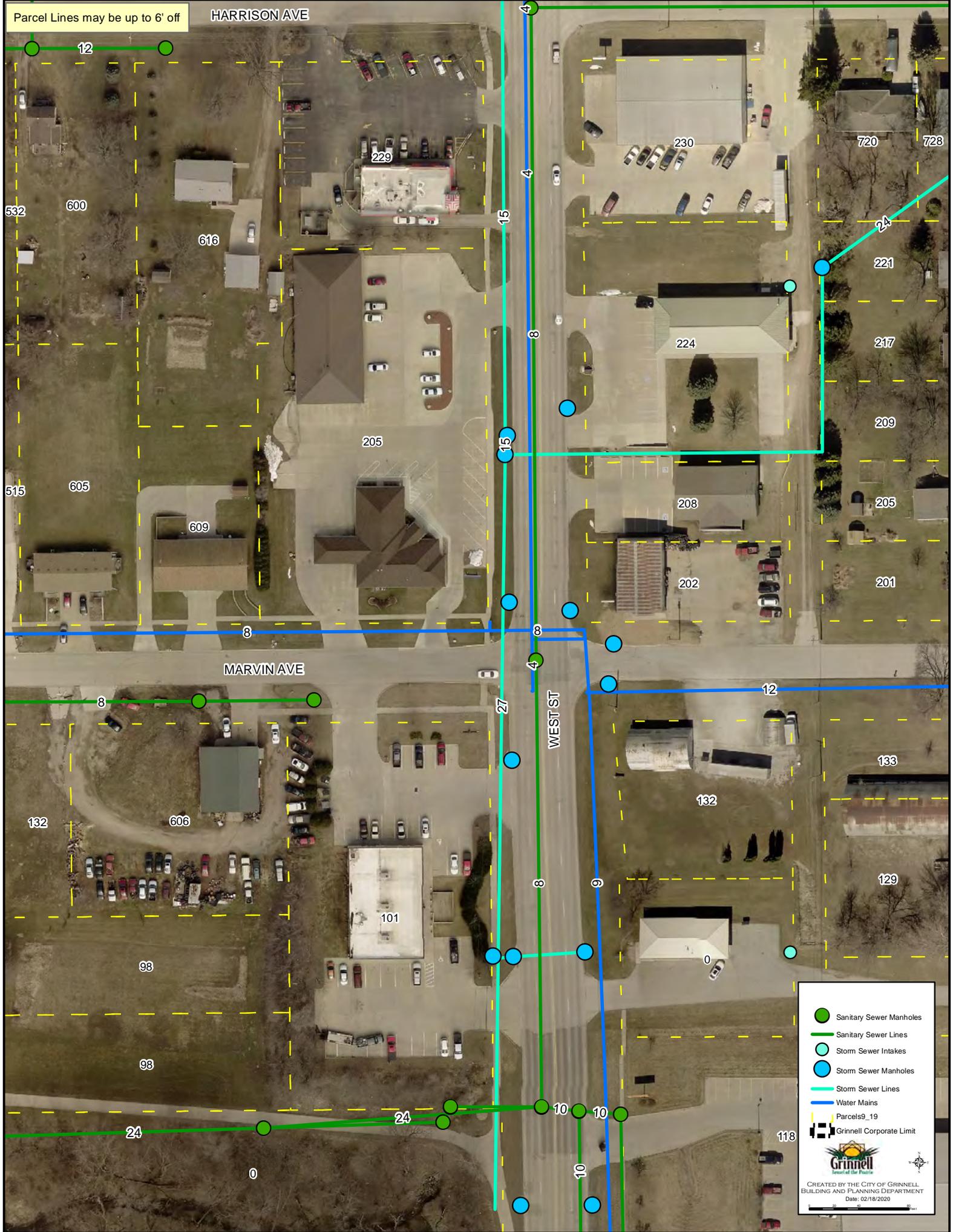
Date of Acceptance 02/18/2020

Date of Approval \_\_\_\_\_

Staff TA

Parcel Lines may be up to 6' off

HARRISON AVE

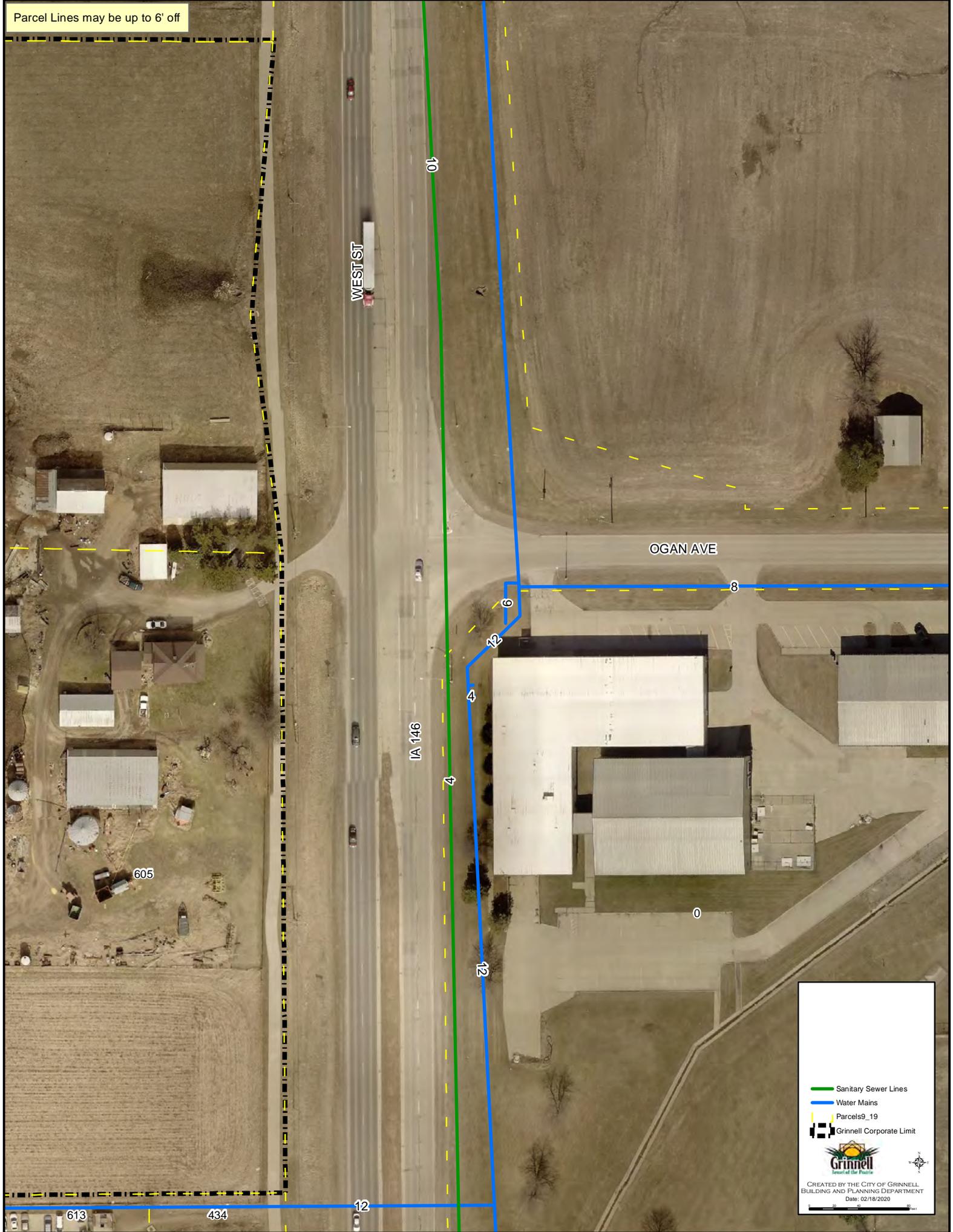


- Sanitary Sewer Manholes
- Sanitary Sewer Lines
- Storm Sewer Intakes
- Storm Sewer Manholes
- Storm Sewer Lines
- Water Mains
- - - Parcels9\_19
- Grinnell Corporate Limit

**Grinnell**  
LEVEL OF SERVICE

CREATED BY THE CITY OF GRINNELL  
 BUILDING AND PLANNING DEPARTMENT  
 Date: 02/18/2020

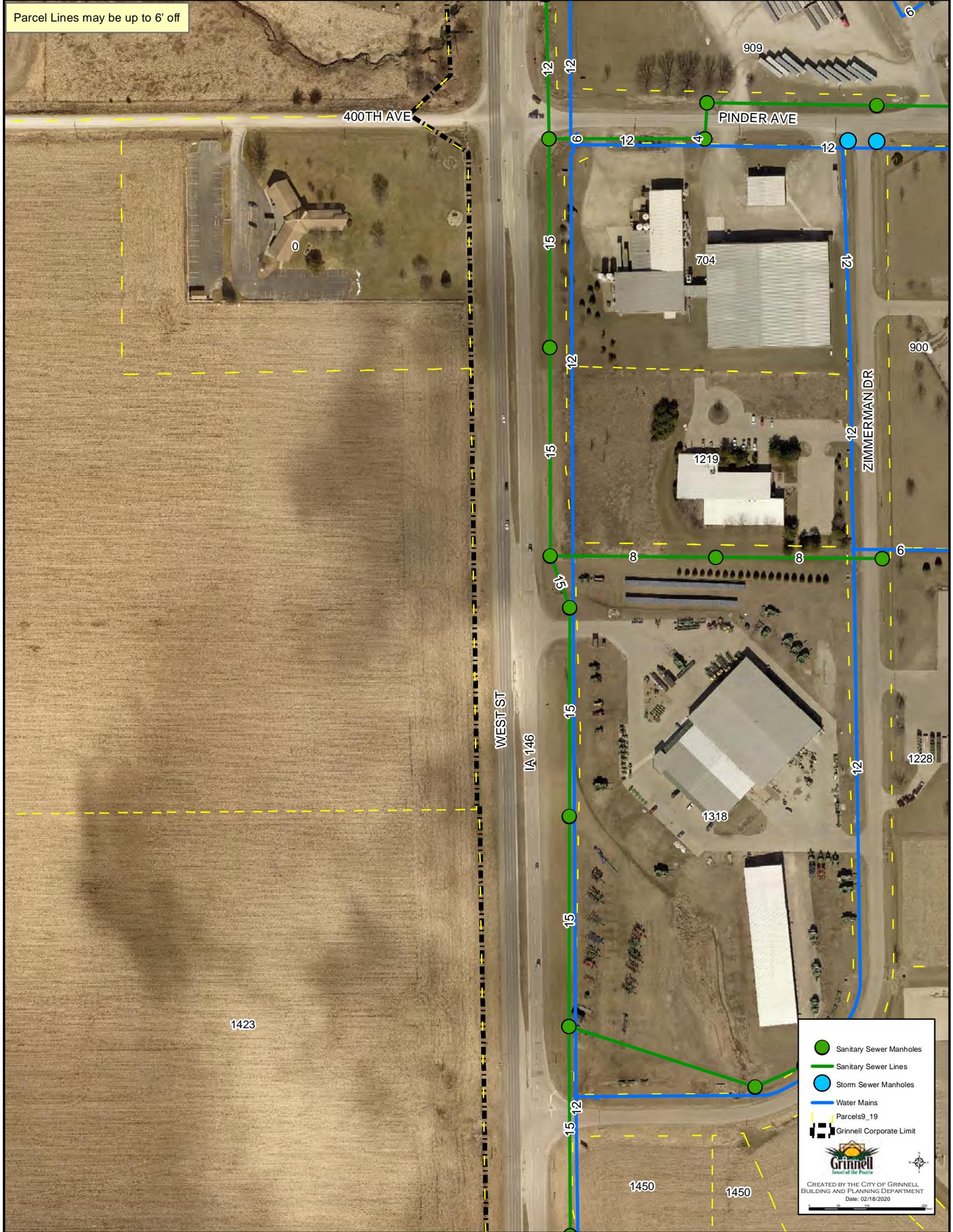
Parcel Lines may be up to 6' off



- Sanitary Sewer Lines
- Water Mains
- Parcels9\_19
- Grinnell Corporate Limit

CREATED BY THE CITY OF GRINNELL  
BUILDING AND PLANNING DEPARTMENT  
Date: 02/18/2020

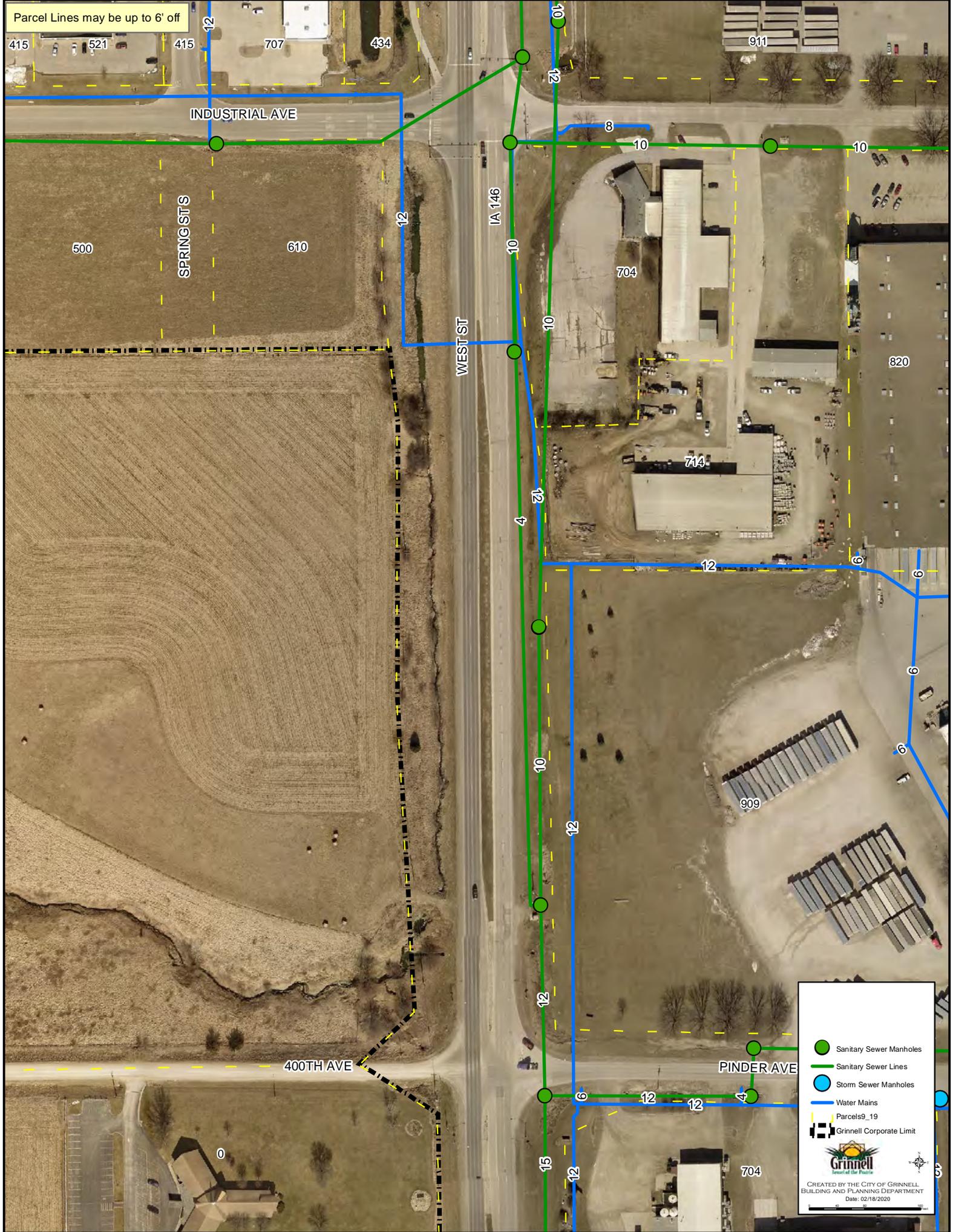
Parcel Lines may be up to 6' off



● Sanitary Sewer Manholes  
— Sanitary Sewer Lines  
● Storm Sewer Manholes  
— Water Mains  
— Parcels9\_19  
▬ Grinnell Corporate Limit

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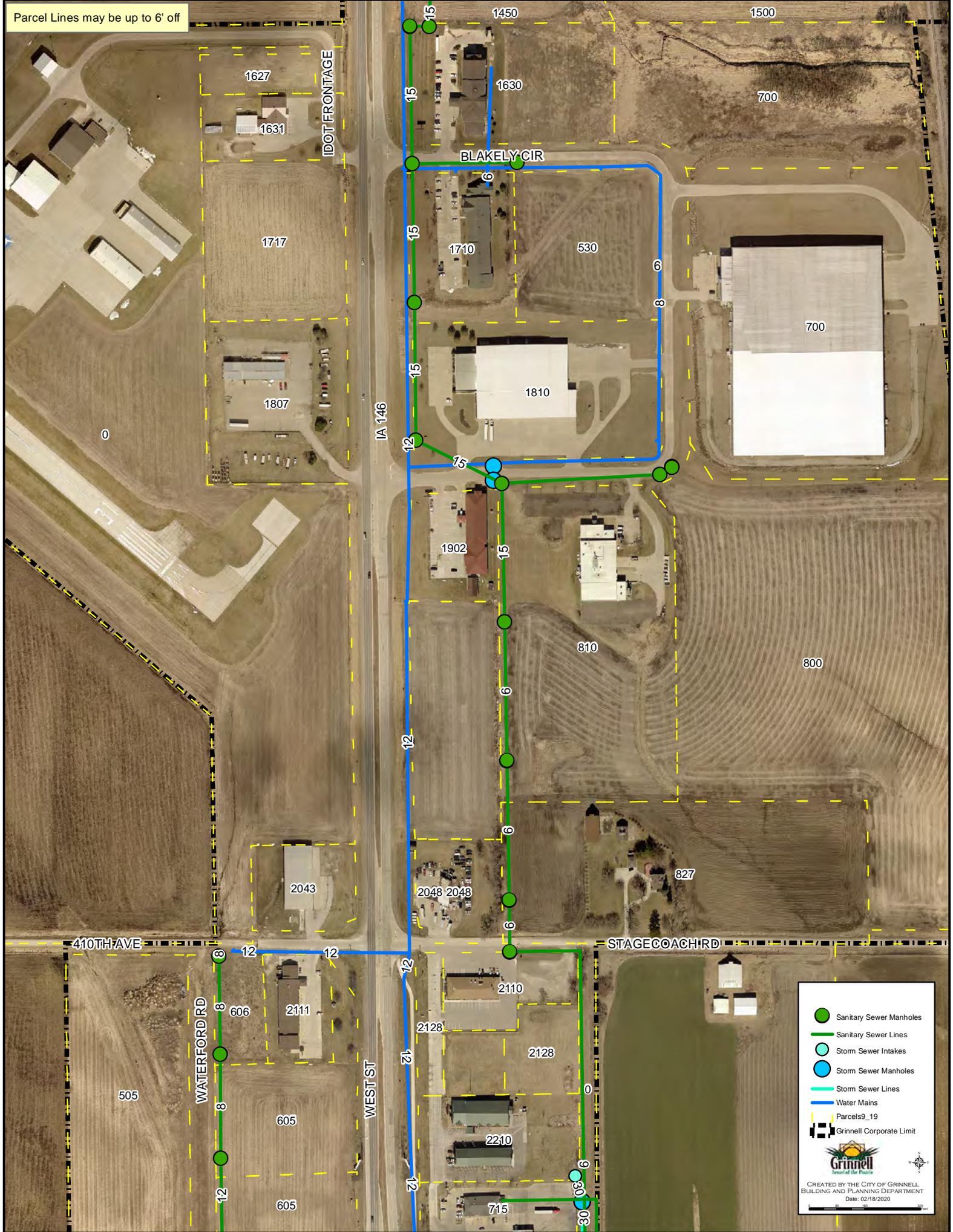
Parcel Lines may be up to 6' off



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BUILDING AND PLANNING DEPARTMENT  
Date: 02/18/2020

Parcel Lines may be up to 6' off



- Sanitary Sewer Manholes
- Sanitary Sewer Lines
- Storm Sewer Intakes
- Storm Sewer Manholes
- Storm Sewer Lines
- Water Mains
- Parcels9\_19
- ▬ Grinnell Corporate Limit

CREATED BY THE CITY OF GRINNELL  
BUILDING AND PLANNING DEPARTMENT  
Date: 02/18/2020

**APPLICATION AND AGREEMENT FOR USE OF  
HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION**

FOR DEPARTMENT USE ONLY		
Permit Number <b>79V-2020-005</b>	Highway Number <b>146</b>	County <b>Poweshiek</b>
DOT Project Number <b>F-146-2(6)--20-79</b>		Expiration/Completion Date <b>2/18/21</b>

APPLICANT (INDIVIDUAL OR COMPANY)				
First Name <b>Deanna</b>	Middle Initial <b>L</b>	Last Name <b>Phillips</b>	Phone Number <b>501-748-9471</b>	Ext.
Company Name <b>Windstream Iowa Communications, LLC</b>			Phone Number	Ext.
Street Address <b>4001 N. Rodney Parham Road, B3F3 #3310B</b>		City/Town <b>Little Rock</b>	State <b>AR</b>	ZIP Code <b>72212</b>
e-Mail Address <b>deanna.phillips@windstream.com</b>		Secondary e-Mail Address <b>jason.hedlund@windstream.com</b>		

**INSTALLATION TO BE ACCOMMODATED**  
Approval is hereby requested to enter within the state highway right-of-way for the accommodation of a utility installation as detailed on the attachments and further described as follows.

The installation shall consist of:  
 WINDSTREAM PROPOSED TO PLACE 2105' OF BURIED 48CT FIBER OPTIC CABLE IN NEW 1.25" CONDUIT & 4335' OF AERIAL 48CT FIBER OPTIC CABLE BY LASHING TO NEW 10M STRAND ALONG EXISTING POLES IN ROW OF IA-146 (WEST ST) FROM 41.733016°, -92.727492° (MP 21.08) TO 41.700550°, -92.727480° (MP 18.84 )  
 OSP-17680 / JobTrac #713392420

and shall be located as shown on the detailed plan attached hereto. (See current Iowa Department of Transportation Utility Accommodation Policy for submittal of detailed plan requirements. See Section 115.8 (3).) <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>

**WORK SITE LOCATION**

The proposed work as described above is located in Section 32,29,20,17 , Twp. 80N , Range 16W on Highway No. 146 generally located 0.75 (miles) SOUTH (direction) from GRINNELL (city, county line, or other landmark). Work proposed is more specifically located as being from 21.08 (Milepost #) and 967+50 (Highway Station) to 18.84 (Milepost #) and 849+50 (Highway Station) on the WEST side of highway.

**Disclosure Statement:** The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all pertinent information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit applicant) agrees with the Iowa Department of Transportation (hereafter referred to as the Department) that the following stipulations and those special requirements as listed on this document shall govern under this permit after it is approved by the Department.

**A. General**

1. The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations, regulations and directives of the Iowa State Commerce Commission; the Iowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.
3. As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction, the utility owner shall submit to the district representative an as-built plan.
4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.
5. Non-compliance with any of the terms of the Department's policy, permit, or agreement, may be considered cause for shut-down of construction operations, revocation of the permit, or withholding of relocation reimbursement and/or withholding of future application approvals until compliance is confirmed. The cost of any work deemed necessary to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.

## B. Construction and Maintenance

1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy. <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
3. A copy of the approved permit shall be available on the job site at all times for examination by Department personnel.
4. Operations in the construction and maintenance of this utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
5. Traffic protection shall minimally be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The applicant shall be responsible for correctly using traffic control devices including signs, warning lights, and channelizing devices as needed while work is in progress or the clear zone is impacted. Flagging operations are the responsibility of the applicant. The Department's TC XXX Series Standards are the preferred traffic control specification plans. [http://www.iowadot.gov/design/stdplne\\_tc.htm](http://www.iowadot.gov/design/stdplne_tc.htm)
6. The applicant shall seed and mulch all disturbed areas within the highway right-of-way and shall be responsible for the vegetative cover until it becomes well established. Any surfaced areas such as driveways or shoulders and sodded waterways and plantings which are disturbed shall be restored to their original condition. Any damage to any other underground facilities during installation shall be repaired at the permit holder's expense.
7. All personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed to traffic or construction equipment.
8. As per Policy Section 115.4(9) parking or storage in the clear zone is prohibited. When not in actual use, vehicles, equipment and materials shall not be parked or stored within the clear zone or median.
9. Unless specifically noted in Special Requirements section, all work performed within the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
10. Pedestals shall be placed within 12 inches of the right-of-way line.
11. All above and below ground appurtenances (pedestals, hydrants, drains, accesses, etc.) shall be marked with high visibility posts and signs. The minimum height requirement for the signs shall be 5 foot. Urban Roadway Sections may be exempted with department approval.

## C. Liability

1. To the extent allowable by law, the Permit Holder agrees to indemnify, defend, and hold the Department harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of the Permit Holder's facilities. This agreement to indemnify, defend, and hold harmless applies to all aspects of the Department's application review and approval process, plan and construction reviews, and funding participation.
2. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
3. The State of Iowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if the facilities are not located in accordance with this permit.
4. The State of Iowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense. Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

## D. Notification

1. The Permit Holder is responsible for contacting **Iowa One-Call (1-800-292-8989)** and request the location of all underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
2. The Permit Holder agrees to give the Department forty-eight (48) hour notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the local DOT contact person whose name is shown on Page 3.
3. **511 Notification**-In accordance with Iowa Code section 321.348, cities and utilities **may not obstruct or close** primary highways or primary highway extensions (State highways within city limits) **without prior consent of the Iowa DOT**, except in emergency situations. Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway, call your local Iowa DOT Maintenance garage and call the Traffic Management Center per attached documents. Except in emergency situations, a 10 day advance notice is required. <http://www.iowadot.gov/traffic/utility/pdfs/511UtilityNotification.pdf>

## E. Buy America

Buy America applies to relocations of utility facilities that must move due to highway projects under certain specific conditions that include reimbursable locations and relocations due to interstate projects. Please contact the Department's District Engineering Operation Technician (EOT) for more information on Buy America requirements or visit the following link: <http://www.iowadot.gov/traffic/utility/utility.html>

Permit Number: \_\_\_\_\_

**FOR DEPARTMENT USE ONLY**

**Special Requirements** - in addition to the stipulations above, the following special requirements shall apply to this permit:

**Applicant Signature and Agreement**

The undersigned have read the stipulations of this permit agreement as stated, as well as attachments which may be included, and by signing this application agree to abide by all stipulations and to complete the work as proposed in compliance with the stipulations and attachments within one year from the date Department approval is granted for said request. Failure on the part of the applicant to abide by the stipulations or to construct the work desired as stipulated and within the time frame stated shall render this agreement and request null and void. The undersigned also agrees to save harmless the State of Iowa and the Iowa Department of Transportation from any damage or losses that may be sustained by any person or persons on account of the conditions and requirements of this agreement.

Name of Agent (Print or Type) Deanna L. Phillip	Agent/Owner (Signature) <i>Deanna L. Phillip</i>	Title Analyst I - Engineering Support
Name of Owner (Print or Type) Windstream Iowa Communications, LLC		Date 02/18/2020
e-Mail Address deanna.phillips@windstream.com		

**CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)**

"The undersigned city joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".

Recommend Approval       Do Not Recommend Approval       None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the City of	
e-Mail Address		

**COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)**

"The undersigned county joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official".

Recommend Approval       Do Not Recommend Approval       None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the County of	
e-Mail Address		

**FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)**

Recommend Approval       Do Not Recommend Approval       None Required

Authorized FHWA Representative Signature	Date
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**DEPARTMENT OF TRANSPORTATION FINAL ACTION**

Application Approved       Application Denied

Permit Number: *79U-2020-005*

Authorized Highway District Representative Deanna Smyth-Peters	Signature <i>Deanna Smyth-Peters</i>	Date <i>2/18/20</i>
e-Mail Address Deanna.Smyth-Peters@iowadot.us		

Notice of intention to start construction or maintenance activities on the highway right-of-way shall be made to:

Local DOT Contact Person (Type or Print Name) Mohamed Mohamed - Grinnell Maintenance Supervisor		Phone Number (641) 236-3014	
Street Address 902 Ogan	City/Town Grinnell	State IA	ZIP Code 50112
e-Mail Address Mohamed.Mohamed@iowadot.us			

Form 511005 (06-16)

Permit Number: \_\_\_\_\_

### Site Plan & Attachments Checklist for IDOT Utilities Accommodation Permit

- Plans showing IADOT Highway Centerline, Highway Number, DOT Stationing and Milepost are required.
- Visible orientation (North Arrow) and identifying landmarks are required.
- Clearly identify Right Of Way (ROW) line with horizontal distance from highway centerline shown, including all breakpoints and changes in the ROW distances.
- Provide Iowa One Call design request information. (Minimally, the list of utilities)
- List all of the existing utilities in the installation area. Describe how your installation will address existing utilities that are in conflict, and show all observable existing features, such as power poles, pedestals, markers, handholes, trees, etc.
- Show all Construction features/Bore Pits with the running line and horizontal distance from roadway edge or centerline. (showing Clear Zone compliance) <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
- Show the start/stop stationing and depths or elevations for all bores, longitudinal and transverse.
- Show the start/stop stationing and depths or elevations for all plowing locations.
- Show casing start/stop locations, lengths, diameter, and material if casings are used.
- Show all facilities that are to be installed on the site plan.  
This includes pedestals, wire, conduit, poles, guy anchors, junction boxes, handholes and manholes.  
**ALL MUST BE REFERENCED BY DOT Stationing and distance from centerline.**
- Show where installation starts and stops, leaves ROW, stops at existing pedestal, pole, etc.  
Use IADOT stationing and distance from centerline of the start and stops.
- Identify any physical focal points, posts, pedestals, shutoffs, overflow valves, hydrants, etc.
- Describe any other work to accomplish installation before, during and/or after installation, including:  
removal of brush/trees, removal of underbuild, construction of access, fence removal, fence replacement, etc.
- Identify unusual issues to be pointed out on the site plan.  
**CLARITY IS THE KEY, we can't assume you will do it if it is not shown in the plan.**

#### Attachments

- Proper Traffic Control Standards (IADOT TCxxx Series Standard plans preferred)  
Available at - [http://www.iowadot.gov/design/stdplne\\_tc.htm](http://www.iowadot.gov/design/stdplne_tc.htm)
- Required Height / Depth Typical (Supplied by the Department)
- Tile Repair Guide (Rural Locations) (Supplied by the Department)
- Special Seeding Requirements and Erosion Control (Supplied by the Department)
- 511 Lane Restriction Requirements (If lane restriction is anticipated) (Supplied by the Department)
- If paper applications are submitted, at least 2 sets of site plans (11 x 17 preferred) and 1 original of the permit application with all original signatures (Scanned and emailed copies are accepted)

**ALL ITEMS MUST BE LEGIBLE FOR REVIEW AND FOR RESCANNING PURPOSES**

---

February 18, 2020

Windstream Iowa Communication  
Attention: Deanna Phillips  
4001 N Rodney Parham Rd.  
Little Rock, AR 72212

Dear Ms. Phillips:

Enclosed is a copy of approved permits, number 79U-2020-005, Application and Agreement for Use of Highway Right of Way for Utilities Accommodation, for a fiber optic cable Hwy 146 at station 849+50 to 967+50 .

Please note any changes or stipulations we have made since the permit application was submitted.

We require a **48-hour notice** of your intention to start construction on the highway right of way, see D-3 of the permit. Please contact maintenance garage, with your 48-hour notice.

If you have any questions, please feel free to call.

Sincerely,



Deanna Smyth-Peters  
Access & Utilities Specialist  
Attachment

DJSP/djsp  
CC Jeffrey McCollough-Access & Utility Policy Specialist  
Mohamed Mohamed- Grinnell Maintenance Supervisor  
Lyle Brehm- Poweshiek County  
File

## Special Requirements

All Material or equipment shall be kept 10 feet off of the Right of Way during work hours.

Right of Way shall be restored at the end of each working day.

No open holes or dirt piles shall be left on Right of Way during non-working hours.

No parking on the shoulders.

No digging into the side slopes of any road or highway shall be allowed.

Proper traffic control must be used at all times.

761—115.16 (306A) Longitudinal installations on freeways.

115.16(1) *Type of installation permitted.*

*a.* The department may permit the installation of an underground utility facility if, in addition to complying with other provisions of this chapter, the facility specifically complies with this rule.

*b.* Except as provided in this rule, no aboveground installations other than those needed to serve highway facilities are allowed.

115.16(2) *Prohibitions on longitudinal occupancy.*

*a.* A utility facility shall not be used for transmitting gases or liquids or for transmitting products that are flammable, corrosive, expansive, highly energized or unstable.

*b.* A utility facility shall not present a hazard to life, health or property if it fails to function properly, is severed or is otherwise damaged.

*c.* No direct service connection to adjacent properties is allowed.

*d.* No utility facility is allowed in or on a structure carrying a freeway roadway or ramp, except for freeway border bridges, as provided in subrule 115.12(5).

115.16(3) *Minimal maintenance.* Once installed, the utility facility shall require minimal maintenance.

115.16(4) *Location and depth.* The utility facility shall be located on uniform alignment, preferably within eight feet of the freeway right-of-way line, and at a location approved by the department.

*a.* See subrule 115.13(1) for minimum depth requirements.

*b.* Except for multiduct systems, borings and isolated locations as determined by the department, cable shall be installed by the plowing method.

*c.* Utility accesses and splice boxes may be placed below the existing ground line. The location and number of installations are subject to department approval.

115.16(5) *Identification signs, pedestals and repeater stations.*

*a.* The utility owner shall place identification signs within 12 inches of the right-of-way fence, at the line of sight, along the entire occupancy route. These signs shall identify the owner/operator's name, telephone number to contact in case of an emergency, and the type of buried utility.

(1) The signs shall be composed of an ultraviolet-resistant material.

(2) Each sign shall be no larger than 200 square inches.

(3) The interval between signs shall not exceed one-quarter mile in rural areas and 500 feet in urban areas, or as designated by the department.

(4) Additional signs shall be placed on each side of a public highway, road or street intersecting or crossing the freeway at points where the freeway right-of-way line intersects the public highway, road or street right-of-way line.

(5) The utility owner is responsible for installing and maintaining these identification signs.

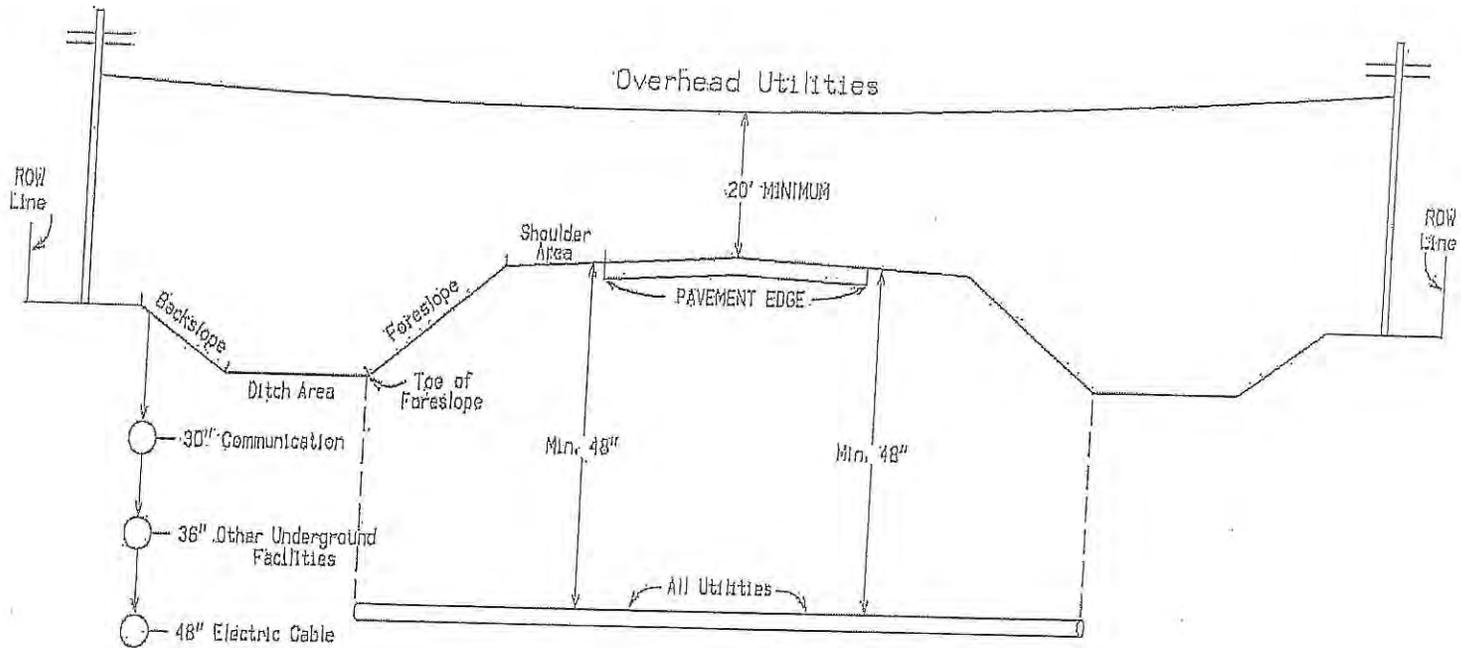
*b.* Aboveground pedestals are permissible. Pedestals should be placed one foot from the right-of-way fence. The number of installations is subject to department approval.

*c.* Repeater stations are not allowed in the right-of-way.

115.16(6) *Metallic warning tape.* Metallic warning tape shall be installed a minimum of 12 inches below the existing grade and above the utility installation to facilitate locating the installation in the future.

115.16(7) *Engineering.* The utility owner shall retain the services of a licensed, professional engineer.

# Minimum Policy Requirements Rural Section Non-Freeway Highway



E-8

Notes:  
 Utilities shall be located between the toe of foreslope and the highway row line.  
 Utilities should be located as near to the highway row line as practical.  
 See Utility Policy, Section 115.13. for further details.

01/2012

**Acceptable Clear Zone Distances (feet)**  
(Based on AASHTO Roadside Design Guide, 4<sup>th</sup> edition)

design speed	design ADT	FORESLOPES			BACKSLOPES		
		6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	7	7	**	7	7	7
	750 ≤ ADT < 1500	10	12	**	10	10	10
	1500 ≤ ADT < 6000	12	14	**	12	12	12
	ADT ≥ 6000	14	16	**	14	14	14
45 – 50 mph	ADT < 750	10	12	**	8	8	10
	750 ≤ ADT < 1500	14	16	**	10	12	14
	1500 ≤ ADT < 6000	16	20	**	12	14	16
	ADT ≥ 6000	20	24	**	14	18	20
55 mph	ADT < 750	12	14	**	8	10	10
	750 ≤ ADT < 1500	16	20	**	10	14	16
	1500 ≤ ADT < 6000	20	24	**	14	16	20
	ADT ≥ 6000	22	26	**	16	20	22
60 mph	ADT < 750	16	20	**	10	12	14
	750 ≤ ADT < 1500	20	26	**	12	16	20
	1500 ≤ ADT < 6000	26	30	**	14	18	24
	ADT ≥ 6000	30	30	**	20	24	26
65 – 70 mph	ADT < 750	18	20	**	10	14	14
	750 ≤ ADT < 1500	24	28	**	12	18	20
	1500 ≤ ADT < 6000	28	30	**	16	22	26
	ADT ≥ 6000	30	30	**	22	26	28

\* Backslopes as steep as 2.5:1 can be considered as part of the clear zone, as long as they are relatively smooth and do not contain any fixed objects. Refer to Section 8A-4 of the Design Manual for information regarding backslopes steeper than 2.5:1.

\*\* Since a vehicle traveling on a slope steeper than 4:1 is likely to be diverted to the bottom of the slope, the width of any slope steeper than 4:1 cannot be counted in the clear zone determination. Refer to Section 8A-2 of the Design Manual for information on providing clear recovery areas at the base of steep slopes.

## 511 Information Required

Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway extension, call your local Iowa DOT maintenance garage to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, call the Iowa DOT Traffic Management Center (TMC) at **515-237-3300**. The TMC will put the information in the 511 system, which generates an automatic message to Iowa DOT Motor Carrier Services (MCS) and the District office.

The following information is required to enter a maintenance/construction event into the Iowa DOT 511 system.

Requestor: \_\_\_\_\_ Contact number: \_\_\_\_\_

Route(s) affected:

Project description:

Project begin location (detailed description including cross streets and mile markers):

Project end location (detailed description including cross streets and mile markers):

County/Countries:

24 hour project contact:

Name \_\_\_\_\_ Phone \_\_\_\_\_

Describe the impact on traffic:

- |  |  |
|--|--|
| <input type="checkbox"/> Closed                    | <input type="checkbox"/> Right lane closed     |
| <input type="checkbox"/> Closed intermittently     | <input type="checkbox"/> Left lane closed      |
| <input type="checkbox"/> Intermittent lane closure | <input type="checkbox"/> Center lane closed    |
| <input type="checkbox"/> Alternating lane closures | <input type="checkbox"/> Right shoulder closed |
| <input type="checkbox"/> Reduced to one lane       | <input type="checkbox"/> Left Shoulder closed  |
| <input type="checkbox"/> Reduced to two lanes      | <input type="checkbox"/> Exit ramp closed      |
| <input type="checkbox"/> Reduced to three lanes    | <input type="checkbox"/> Entrance ramp closed  |

- Two center lanes are closed
- Left exit ramp closed
- Shoulder closed
- Bridge closed
- Intersecting road closed
- Local road closures in area
- Left lane of exit ramp closed

- Road construction
- Work in the median
- Opposing traffic
- Single lane traffic alternating directions

Additional project information (pilot car, flagger, etc.):

---

Will there be temporary overhead signals? (15' standard height restriction)

- Yes  No

If yes, please provide the location of the temporary overhead signals in the space provided.

---

Are there any other width or height restrictions:

- Yes  No

If yes, please describe:

---

Additional public website comments:

---

Project beginning date and time:

---

Project ending date and time:

---

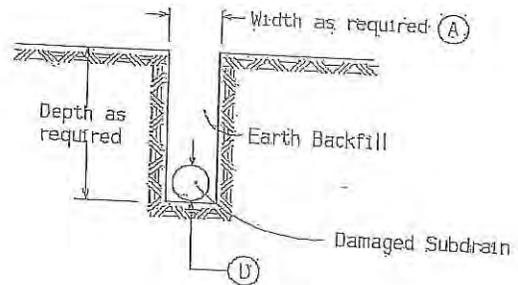
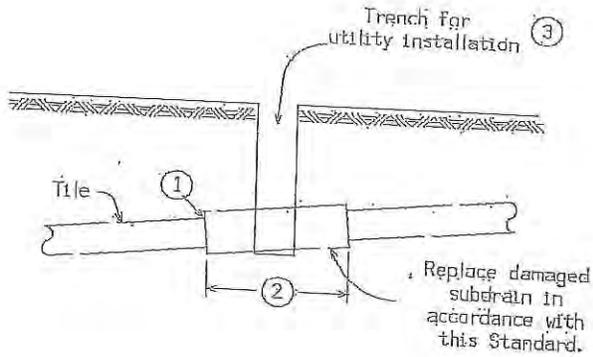
Times of closure

- Continuous  Weekdays (Monday – Friday)  Nights

Times of closure:

---

# Tile Line Repair Guideline



## Note:

Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

(A) - A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

REPLACEMENT SCHEDULE - CASE 'A'										
Existing Tile (D)	4	6	8	10	12	15	18	21	24	>24
Proposed Subdrain Size										
Concrete Pipe			12	15	15	18	21	24	30	D+6"
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

\* Replacement sizes provide equivalent capacity based on 6" settlement, assuming a 0.20% slope with  $n = 0.013$  for concrete pipe and  $n = 0.025$  for corrugated pipe (Manning Formula)

## NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area \*), limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule-case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

(1) Concrete collar to be placed around joint where existing tile line and corrugated aluminumized metal pipe connect.

(2) Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

(3) Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.

A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.

B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.

\* "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four-lane roadway.

**Table 2601.03-1: Rural Stabilizing Crop Seeding Rates and Schedule**

March 1 through October 31	
Oat	50 lbs. per acre
Grain rye	50 lbs. per acre
Canada wildrye ( <i>Elymus canadensis</i> )	5 lbs. PLS. per acre
November 1 through February 28 (or 29)	
Oat	62 lbs. per acre
Grain rye	62 lbs. per acre
Canada wildrye ( <i>Elymus canadensis</i> )	7 lbs. PLS. per acre
For stabilizing crop only, Canada wildrye ( <i>Elymus canadensis</i> ) seed will not be required to be certified as Source Identified Class (Yellow Tag) Source GO-Iowa.	
Canada wildrye ( <i>Elymus canadensis</i> ) seed shall be debearded or equal to facilitate application of seed.	

**Table 2601.03-2: Urban Stabilizing Crop Seeding Rates**

Bluegrass, Kentucky <sup>1</sup>	126 lbs. per acre
Ryegrass, Perennial (turf-type variety) <sup>2</sup>	40 lbs. per acre
Fescue, Creeping Red	18 lbs. per acre
1. Choose three different cultivars of Kentucky bluegrass, at 42 lbs. per acre each.	
2. Choose two different cultivars of turf-type perennial ryegrass, at 20 lbs. per acre each.	

**Table 2601.03-3: Permanent Seed Rates, Rural Areas**

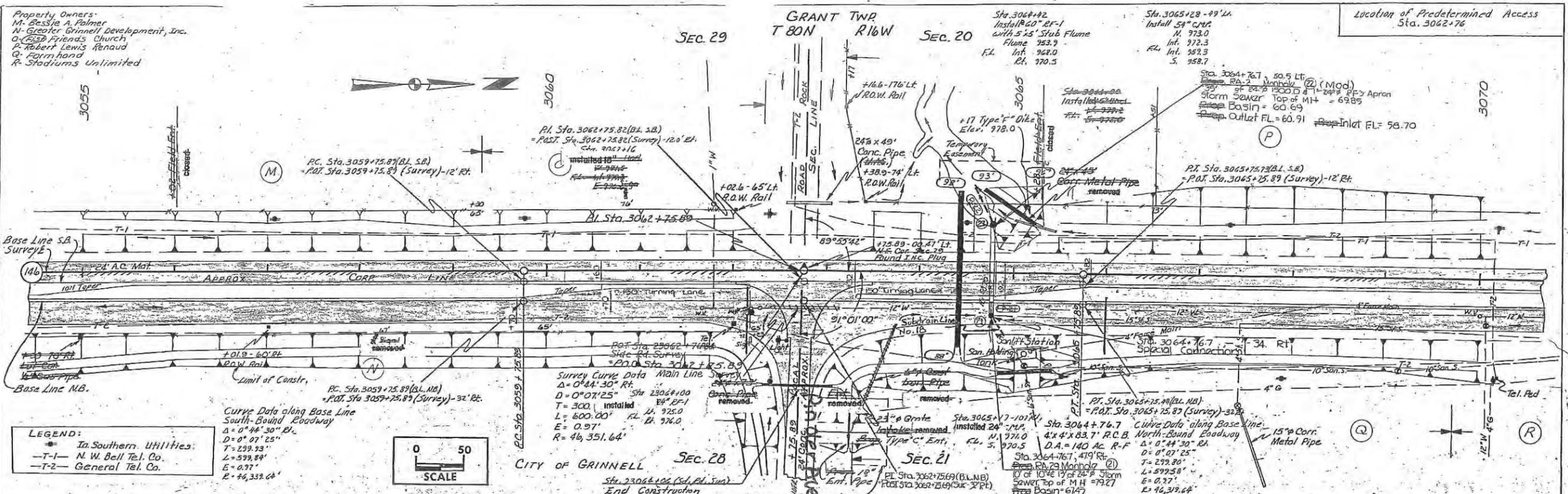
Fescue, Tall (Fawn)	100 lbs. per acre
Ryegrass, Perennial (Linn)	75 lbs. per acre
Bluegrass, Kentucky	20 lbs. per acre

**Table 2601.03-4: Permanent Seed Rates, Urban Areas**

Bluegrass, Kentucky <sup>1</sup>	126 lbs. per acre
Ryegrass, Perennial (turf-type variety) <sup>2</sup>	40 lbs. per acre
Fescue, Creeping Red	18 lbs. per acre
1. Choose three different cultivars of Kentucky bluegrass, at 42 lbs. per acre each.	
2. Choose two different cultivars of turf-type perennial ryegrass, at 20 lbs. per acre each.	

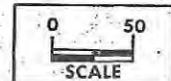




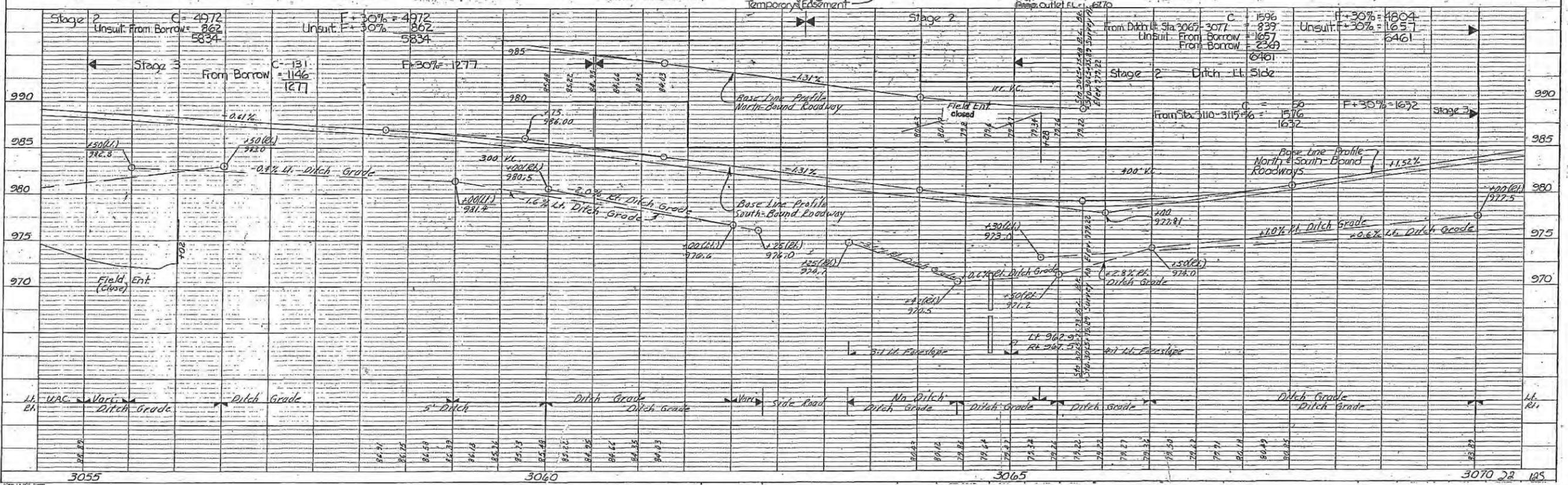


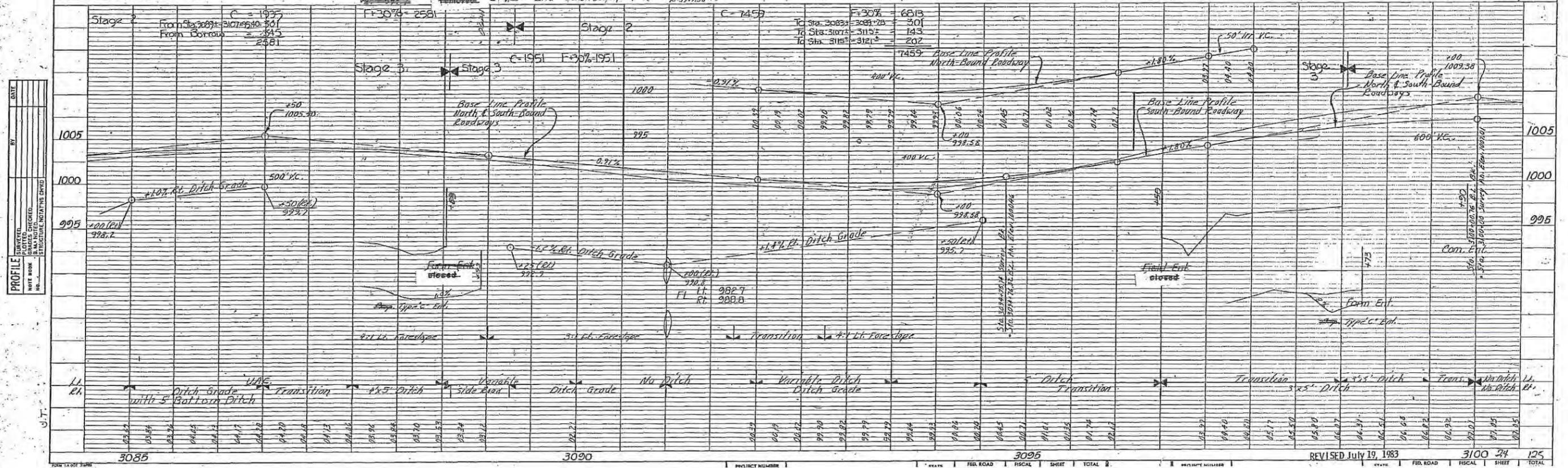
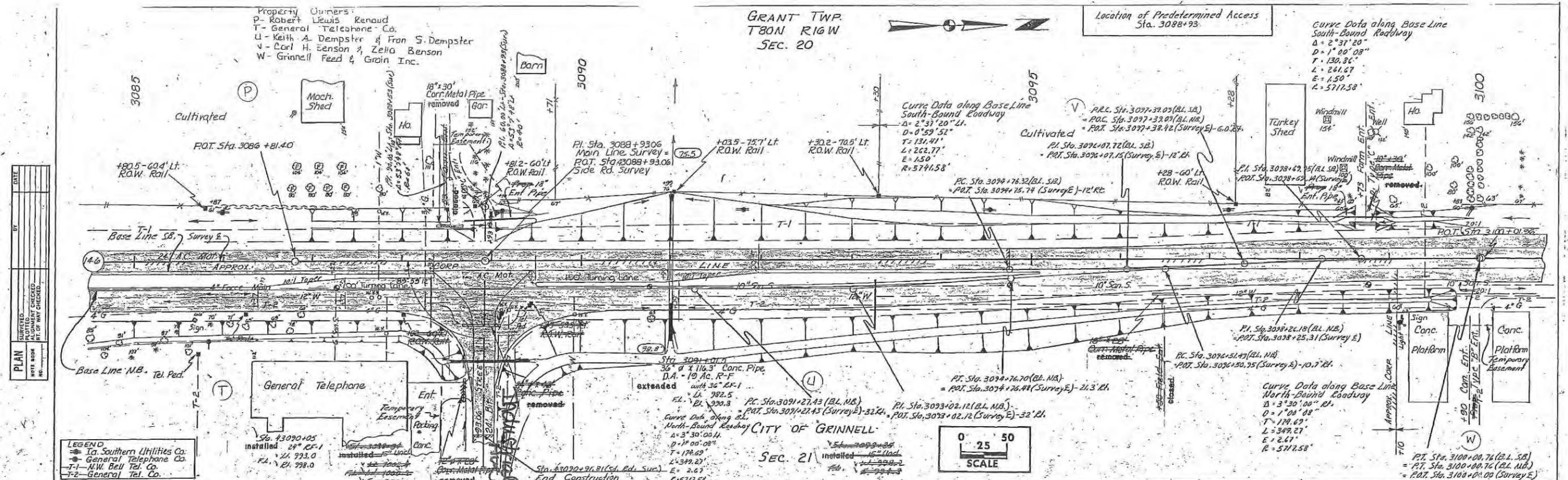
DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

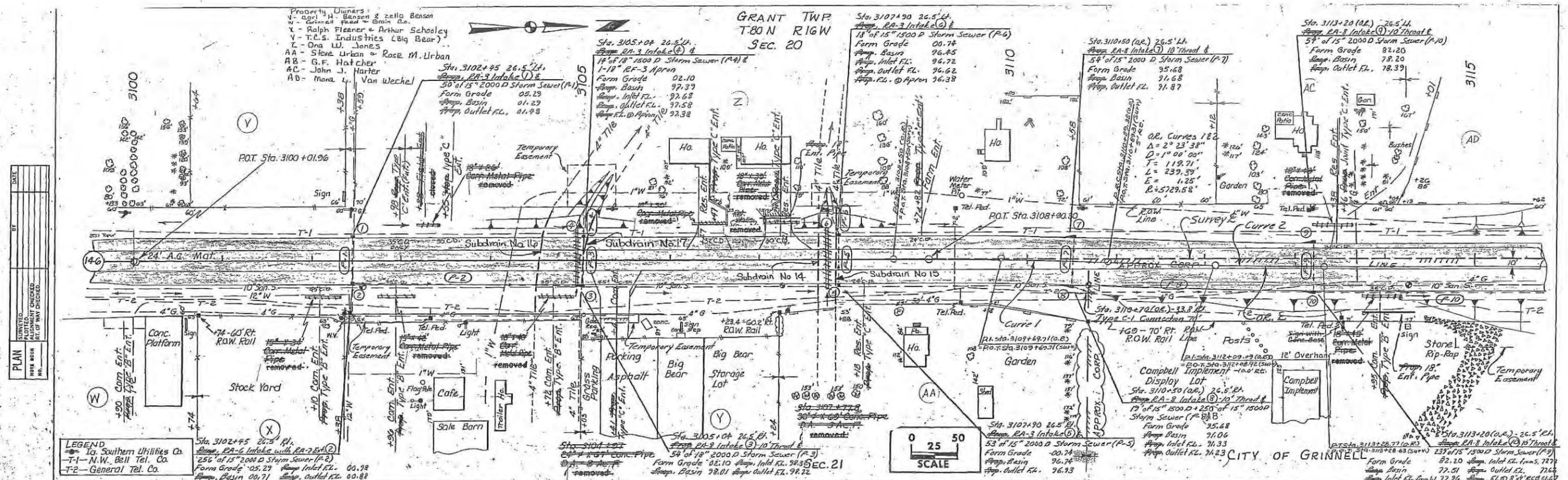
**LEGEND:**  
 - Southern Utilities  
 -T-1- N.W. Bell Tel. Co.  
 -T-2- General Tel. Co.



DATE	
BY	
REVISION	
NO.	
DESCRIPTION	







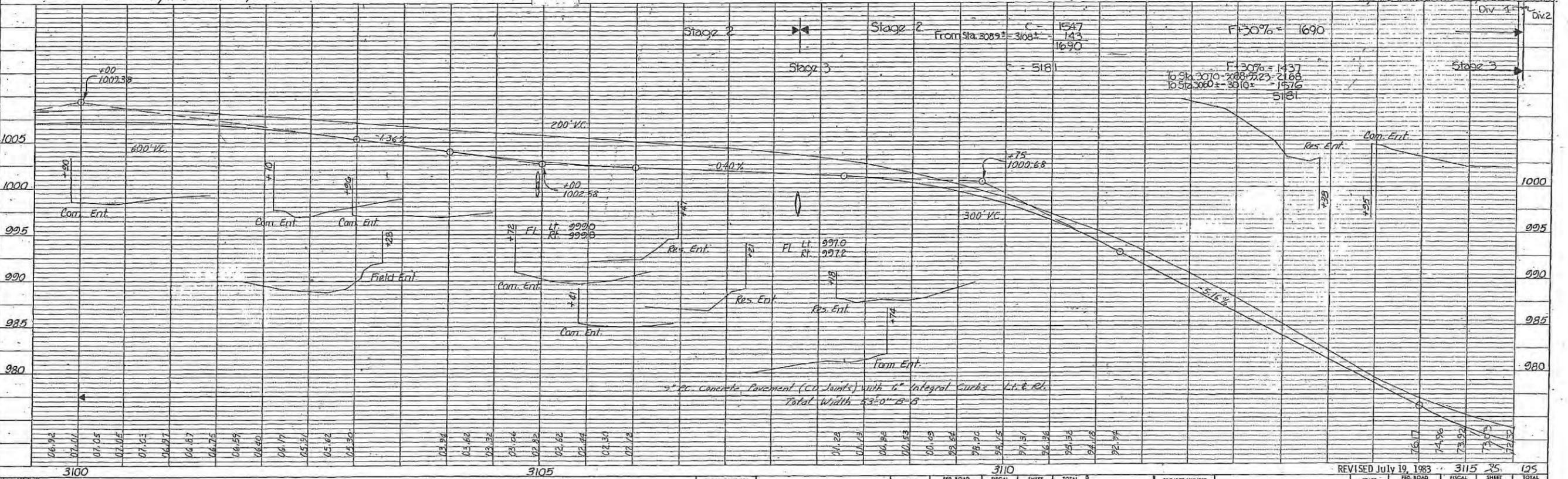
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 Ia. Southern Utilities Co.  
 T-1 - N.W. Bell Tel. Co.  
 T-2 - General Tel. Co.

**PLAN**

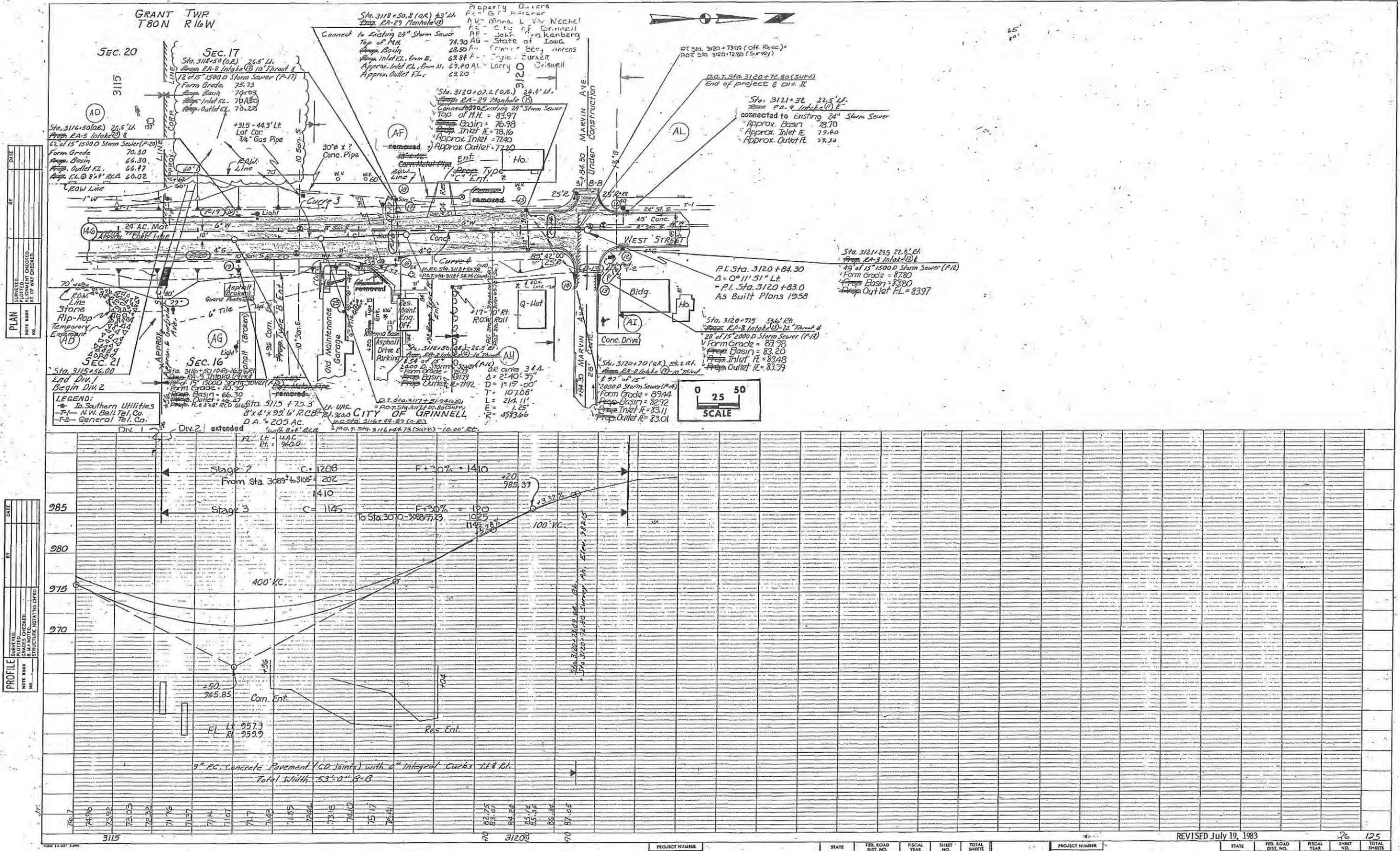
DATE	
BY	
DESIGNED	
CHECKED	
APPROVED	
REVISIONS	

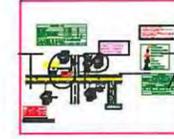
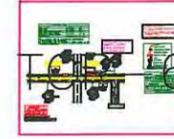
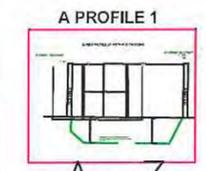
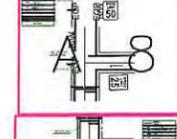
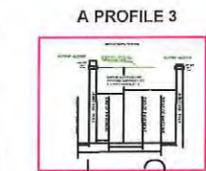
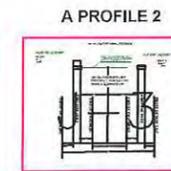
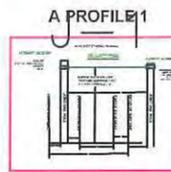
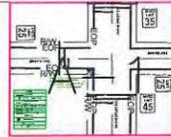
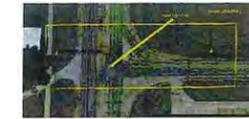
**PROFILE**

DATE	
BY	
DESIGNED	
CHECKED	
APPROVED	
REVISIONS	



FORM 12, 2001 (10-08) PROJECT NUMBER 3110 STATE IOWA FISCAL YEAR 2003 SHEET NO. 125 TOTAL SHEETS 125





**LEGEND**

# MULTI DWELLING UNIT  
MDU

# BUSINESS

EXISTING POLES

EXISTING COPPER

CABLE EXISTING TERMINAL

SPLICE CASE W/ SPLITTER

FOSC  
SPLICE ARROW

FDC  
FIBER DISTRIBUTION CABINET

PROPOSED AERIAL FIBER

PROPOSED BURIED FIBER

EXISTING AERIAL FIBER

EXISTING BURIED FIBER

CONDUIT

AERIAL TERMINAL

BURIED TERMINAL

NEW DROP

PROPOSED AERIAL MST FIBER

PROPOSED BURIED MST FIBER

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: NTS

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

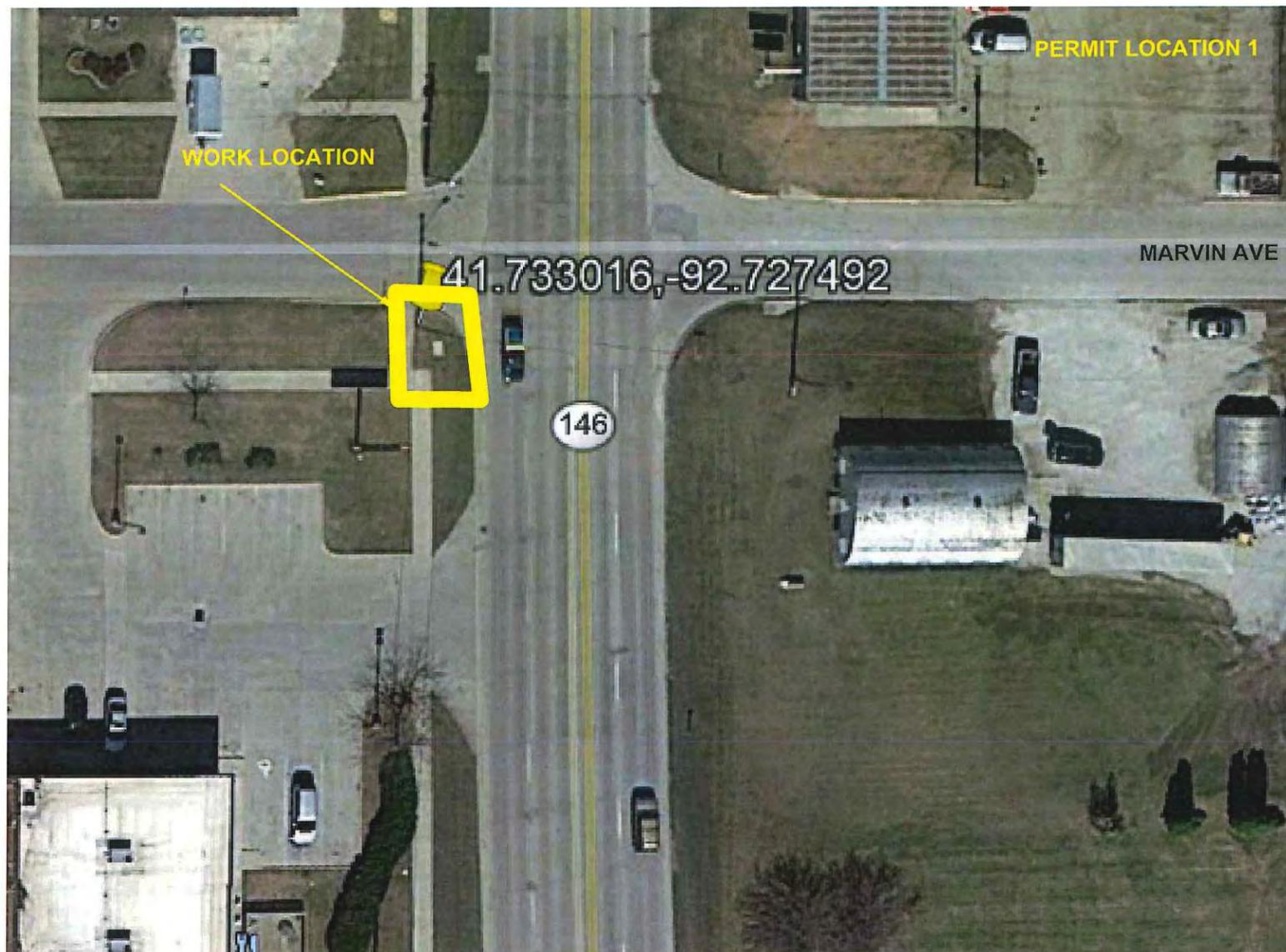
SESB1967

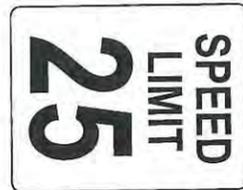
VERTEX\_6147\_SERVING\_AREA

MAP:

MAP

CYIENT INC





MARVIN AVE

IA-146 (WEST ST)

MARVIN AVE

IA-146 (WEST ST)

PLACING 130' OF BURIED 48CT FIBER OPTIC CABLE IN 8" OF 1.25" NEW CONDUIT FROM EXISTING HANDHOLE 44000/HH5 LOCATED AT 41.732999°, -92.727469° TO EXISTING POLE 53200/127 LOCATED AT 41.733016, -92.727492

LEGEND	
— s —	SIDE WALK
✱	APCO Joint Use Power Pole
---	Proposed Windstream Buried FOC
— EOP —	Right of Way Edge of Pavement
— RW —	Right of Way
— CL —	Center line
---	Existing Windstream Buried Cable
○	Telephone pole
●	Mid-span Crossover
⌋	culvert

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

A-1

CYIENT INC

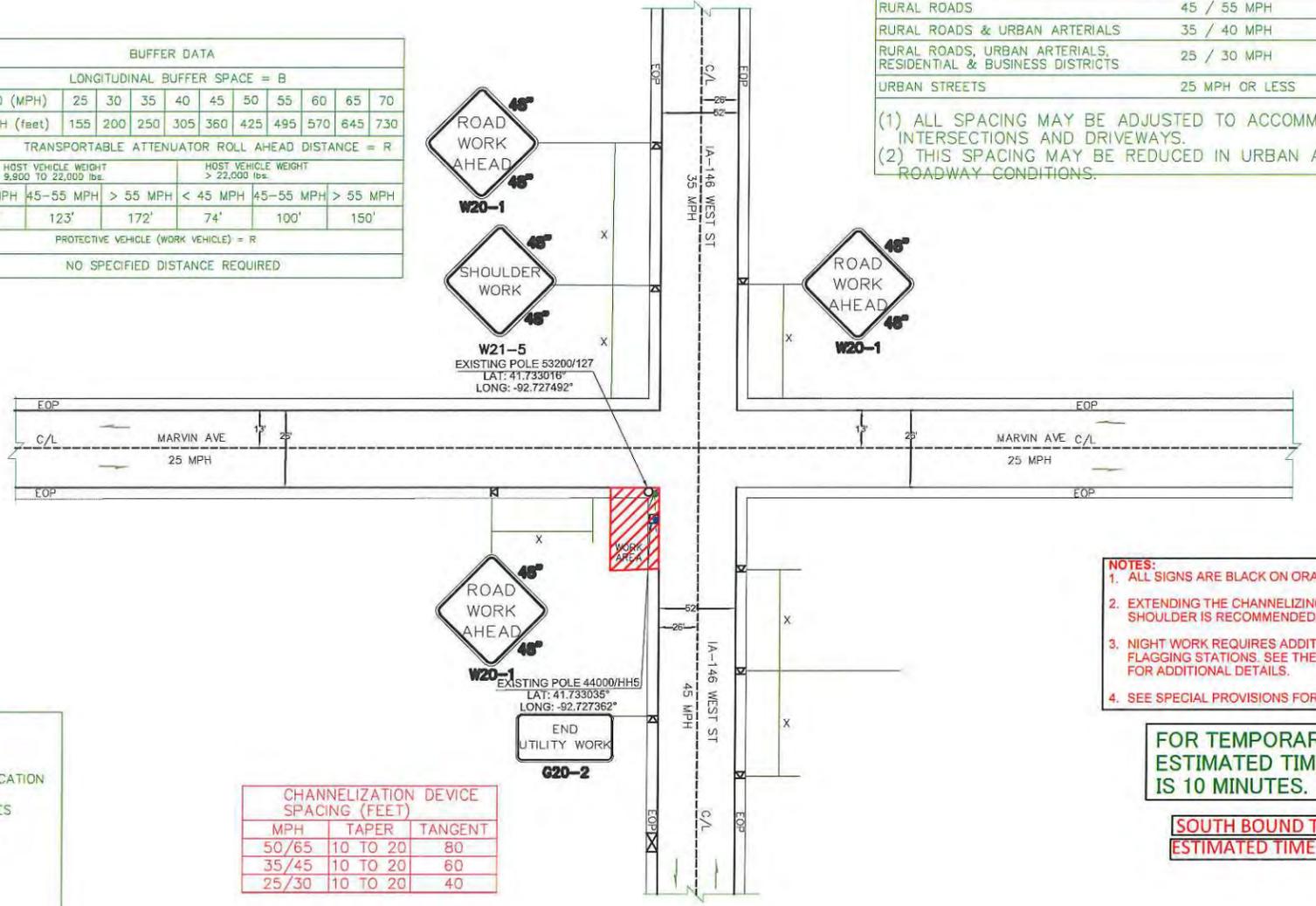
**SHOULDER CLOSURE  
TRAFFIC CONTROL  
BURIED SEGMENT  
FOR WEST SIDE**

NOT TO SCALE

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



- NOTES:**
1. ALL SIGNS ARE BLACK ON ORANGE.
  2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**FOR TEMPORARY ROAD CLOSURE.  
ESTIMATED TIME OF COMPLETION  
IS 10 MINUTES.**

**SOUTH BOUND TRAFFIC LANE  
ESTIMATED TIME OF CLOSURE=6 HOURS**

CHANNELIZATION DEVICE SPACING (FEET)			
MPH	TAPER	TANGENT	
50/65	10 TO 20	80	
35/45	10 TO 20	60	
25/30	10 TO 20	40	

LEGEND	
	FLAGGING STATION
	TEMPORARY SIGN LOCATION
	CHANNELIZING DEVICES
	PROTECTIVE VEHICLE
	DRUM
	WORK SPACE
	VERTICAL PANEL
	TYPE I OR II BARRICADES
	TYPE III BARRICADES

NOT TO SCALE

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

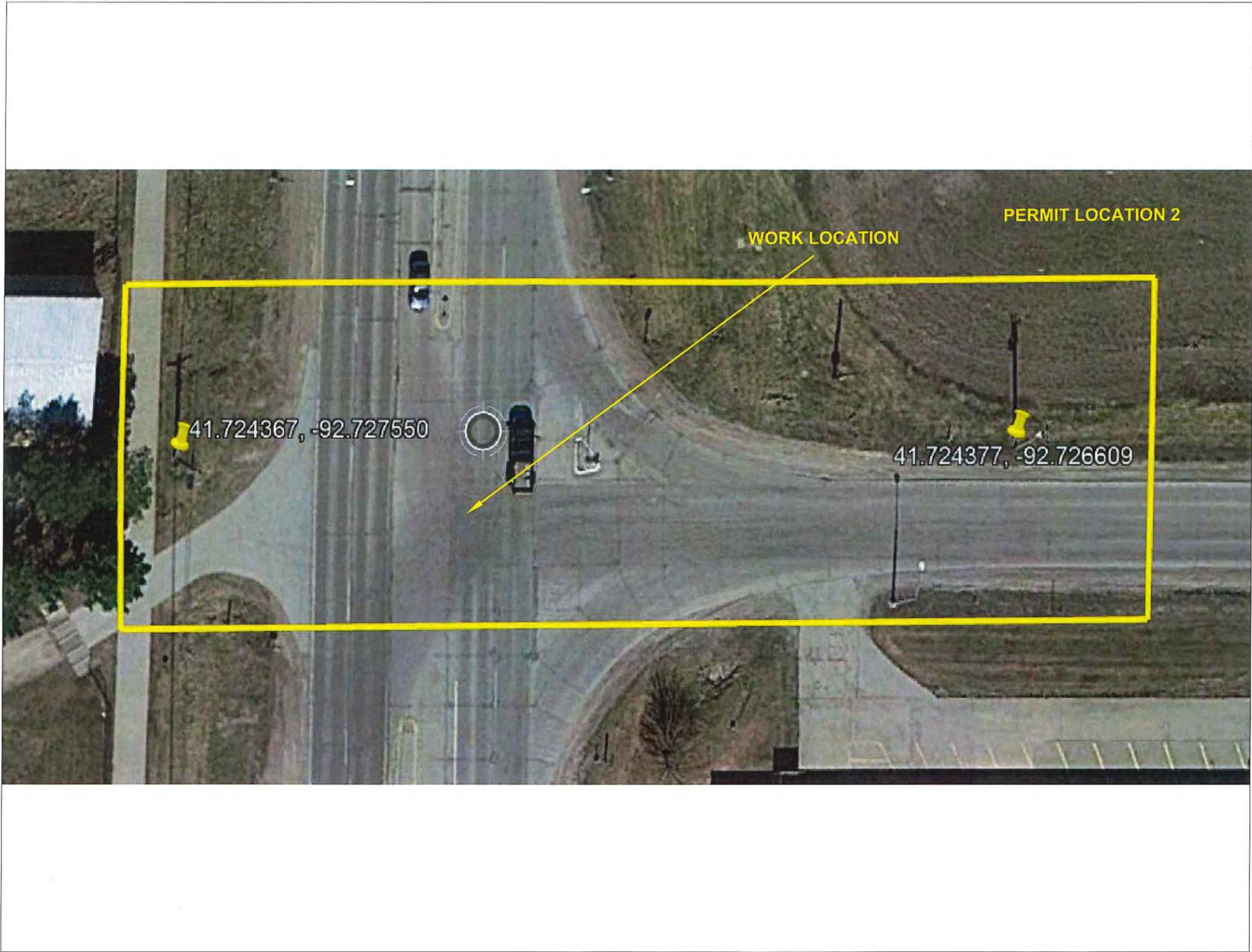
DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP: TCP-1

CYIENT INC



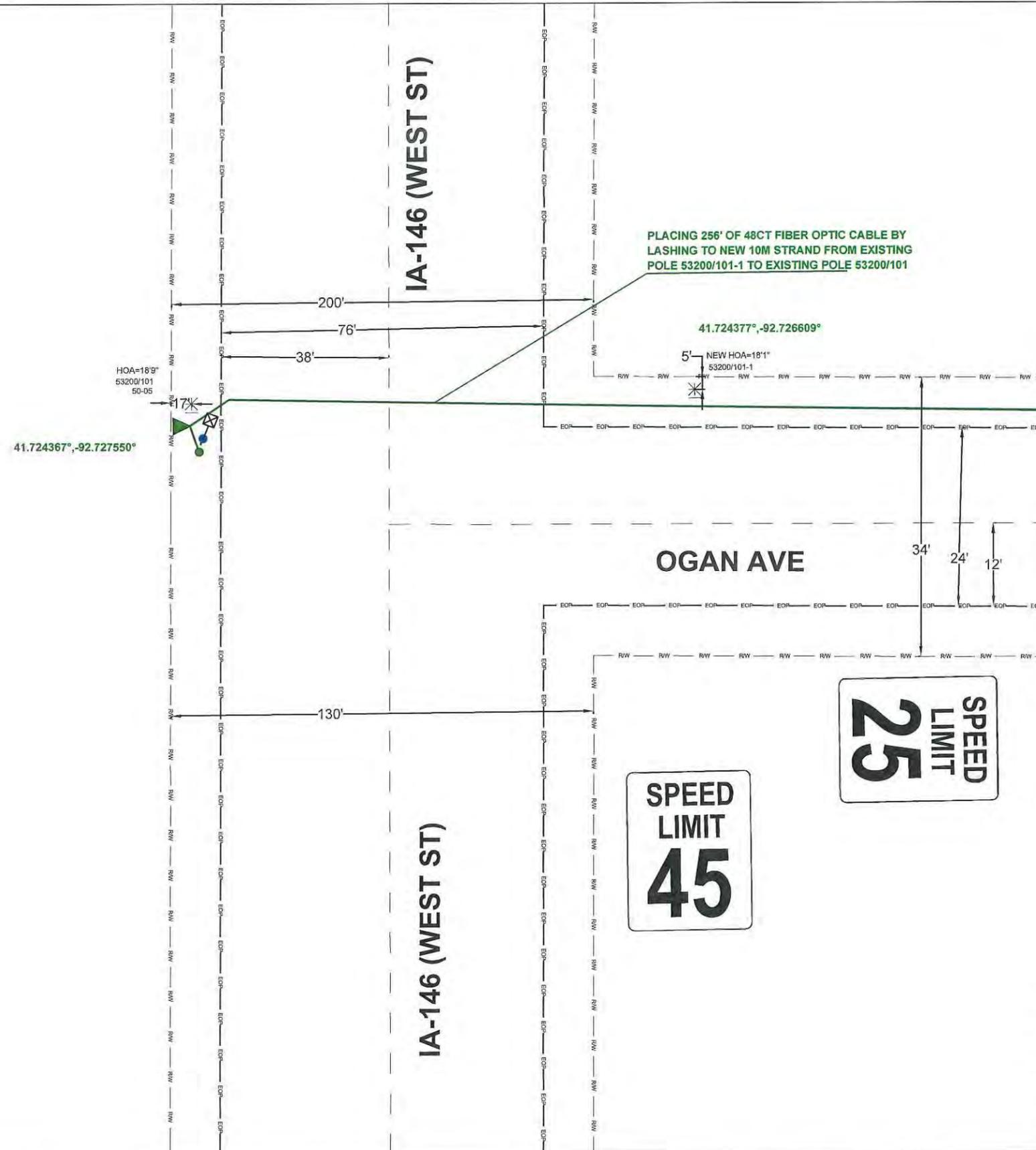
WORK LOCATION

PERMIT LOCATION 2

41.724367, -92.727550

41.724377, -92.726609

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream Buried FOC
	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
---	Right of Way
-----	Center line
—	Existing Windstream Aerial Cable



DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SESB1967 VERTEX_6147_SERVING_AREA
MAP:	A-2
<b>CYIENT INC</b>	

B-9

IA-146 (WEST ST) AERIAL CROSSING

41.724367°,-92.727550°

HOA=18'9"  
EXISTING JOINT-USE POLE  
53200/101  
50-05

PLACING 256' OF 48CT FIBER OPTIC CABLE BY  
LASHING TO NEW 10M STRAND FROM EXISTING  
POLE 53200/101-1 TO EXISTING POLE 53200/101

41.724377°,-92.726609°

NEW HOA=18'1"  
EXISTING  
JOINT-USE  
POLE  
53200/101-1

EXISTING CLEARANCE = 18'0"  
PROPOSED CLEARANCE = 18'0"  
MINIMUM CLEARANCE = 18'

RIGHT OF WAY LINE

JOINT USE POLE

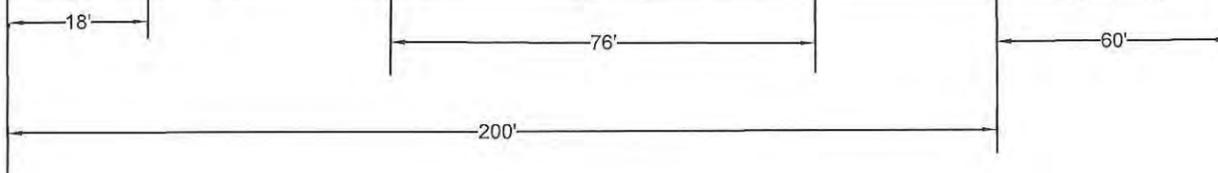
END OF PAVEMENT

IA-146 CL

END OF PAVEMENT

RIGHT OF WAY LINE

JOINT USE POLE



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

A-2 PROFILE

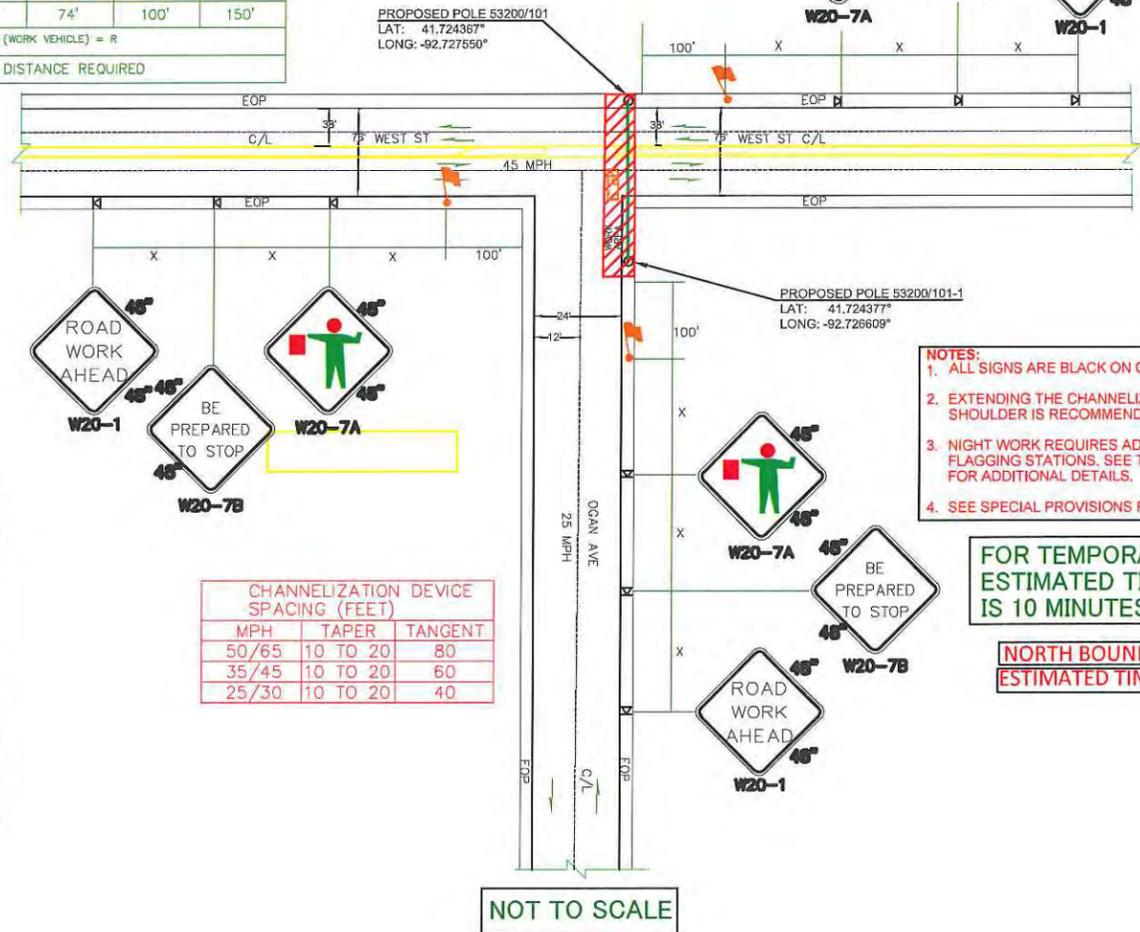
CYIENT INC

**TEMPORARY ROAD CLOSURE WITH FLAGGERS FOR AERIAL SEGMENT FOR NORTH SIDE**

BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730	
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R											
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.						
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'						
PROTECTIVE VEHICLE (WORK VEHICLE) = R											
NO SPECIFIED DISTANCE REQUIRED											

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**FOR TEMPORARY ROAD CLOSURE. ESTIMATED TIME OF COMPLETION IS 10 MINUTES.**

**NORTH BOUND TRAFFIC LANE ESTIMATED TIME OF CLOSURE=6 HOURS**

DATE CREATED: 02/03/2020  
DATE REVISED:  
DRAWN BY: CAMERON BALDWYN

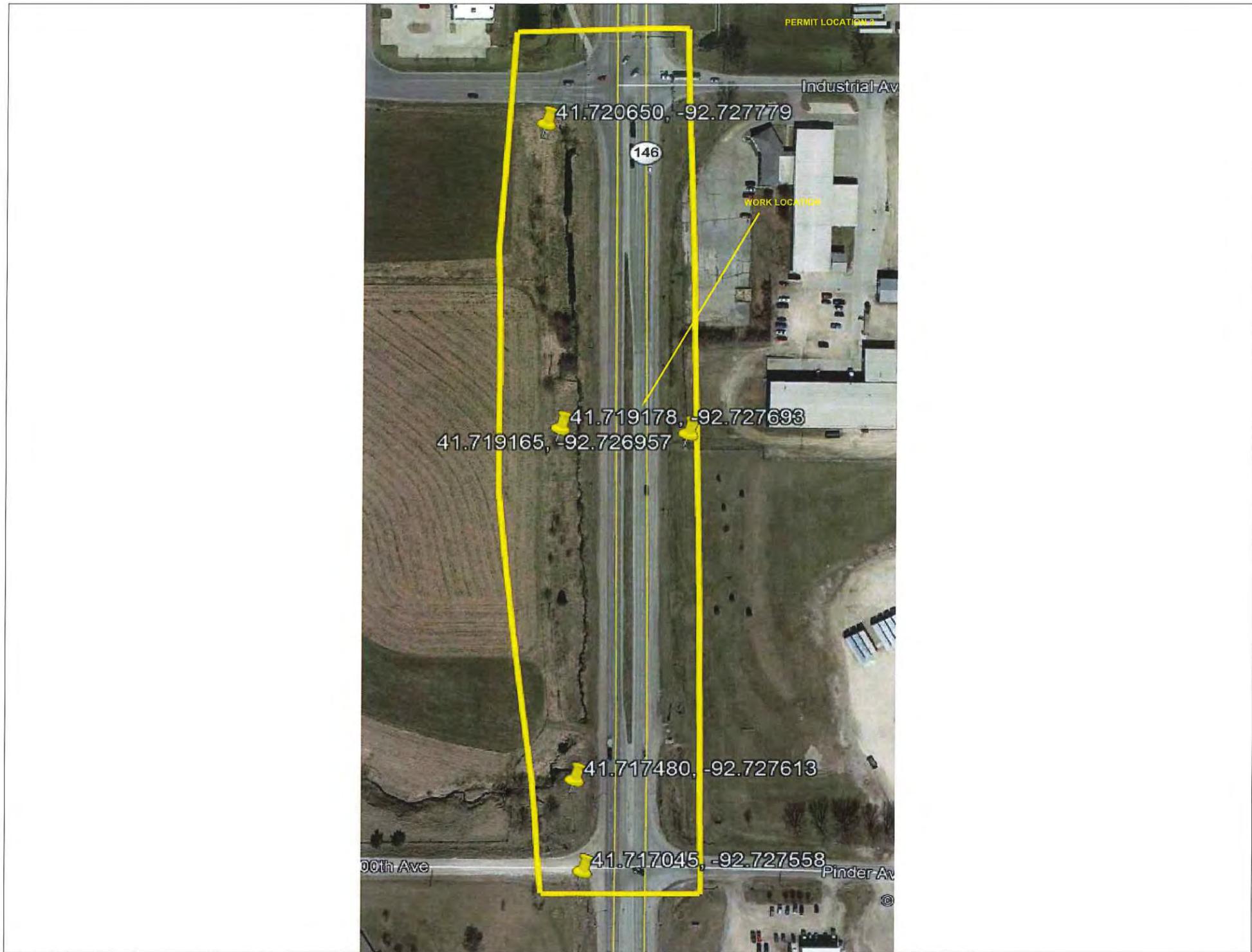


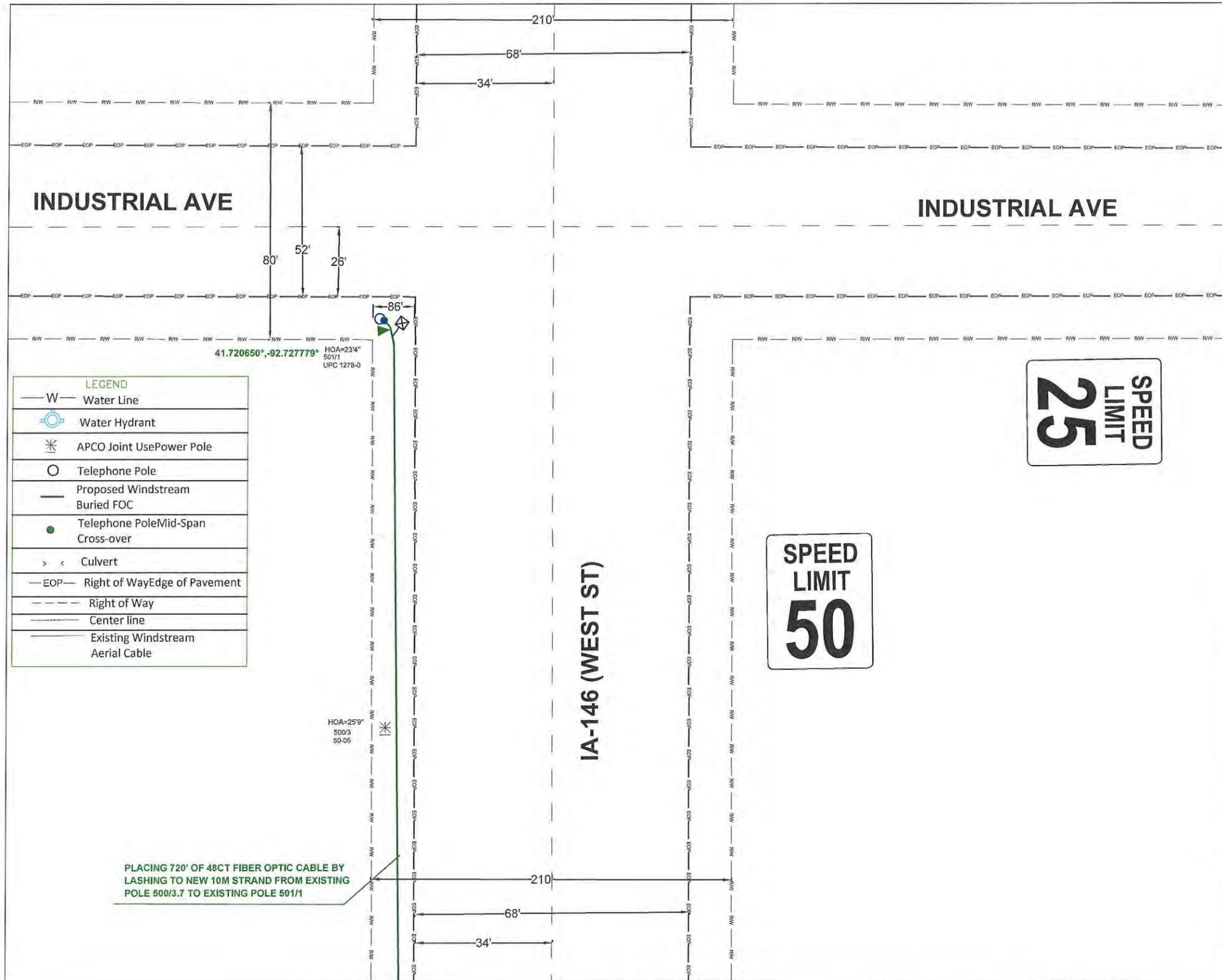
SCALE: 1:50

COMPANY: WINDSTREAM  
SYSTEM: GRINNELL, IA  
PROJECT NUMBER: 713392420  
DESCRIPTION:  
SESB1967  
VERTEX\_6147\_SERVING\_AREA

MAP: TCP-2

CYIENT INC



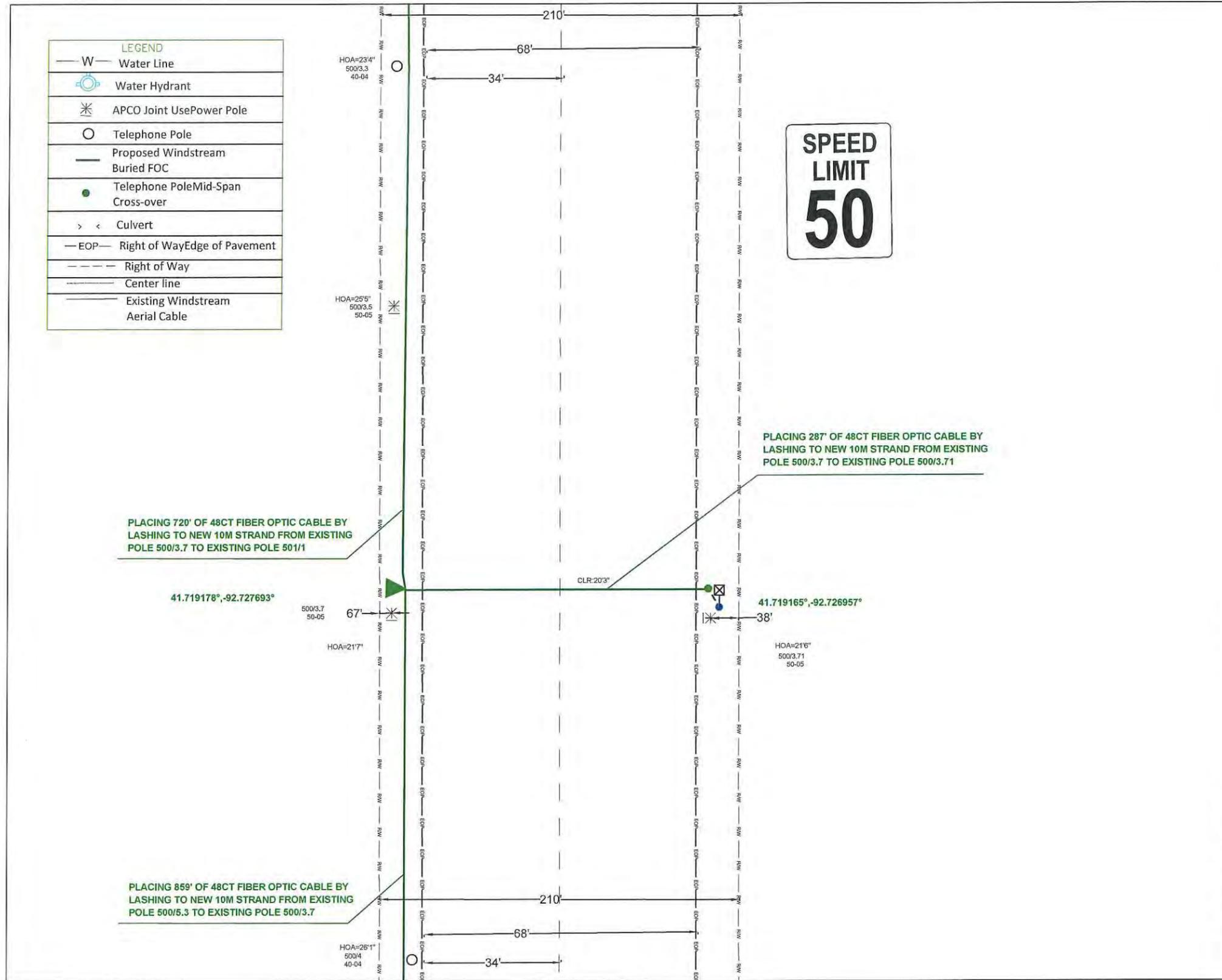


LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream Buried FOC
	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
---	Right of Way
----	Center line
----	Existing Windstream Aerial Cable

DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SES1967 VERTEX_6147_SERVING_AREA
MAP:	A-3
<b>CYIENT INC</b>	

A-3

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
○	Telephone Pole
—	Proposed Windstream Buried FOC
●	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
- - - -	Right of Way
— — — —	Center line
—	Existing Windstream Aerial Cable



A-5

DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWYN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SESB1967 VERTEX_6147_SERVING_AREA
MAP:	A-4
<b>CYIENT INC</b>	

A-4

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream Buried FOC
	Telephone Pole Mid-Span Cross-over
	Culvert
— EOP —	Right of Way Edge of Pavement
-----	Right of Way
-----	Center line
-----	Existing Windstream Aerial Cable

HOA=23'1"  
500/4.5  
50-05

HOA=24'1"  
500/4.7  
55-04

PLACING 859' OF 48CT FIBER OPTIC CABLE BY LASHING TO NEW 10M STRAND FROM EXISTING POLE 500/5.3 TO EXISTING POLE 500/3.7

IA-146 (WEST ST)



A-6

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWYN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

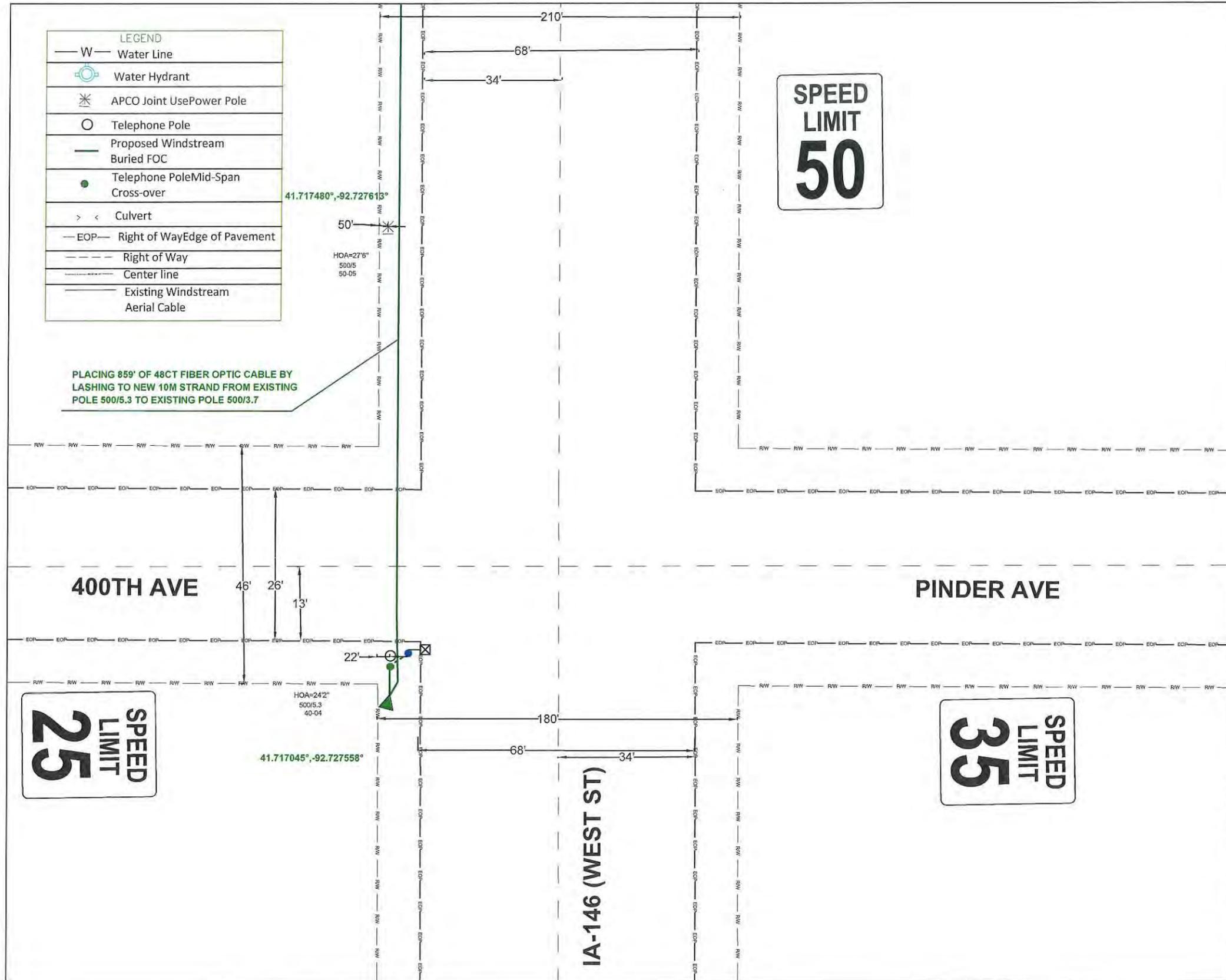
A-5

CYIENT INC

A-5

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream Buried FOC
	Telephone Pole Mid-Span Cross-over
	Culvert
— EOP —	Right of Way Edge of Pavement
---	Right of Way
----	Center line
—	Existing Windstream Aerial Cable

PLACING 859' OF 48CT FIBER OPTIC CABLE BY LASHING TO NEW 10M STRAND FROM EXISTING POLE 500/5.3 TO EXISTING POLE 500/3.7



DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SESB1967 VERTEX_6147_SERVING_AREA
MAP:	A-6
CYIENT INC	

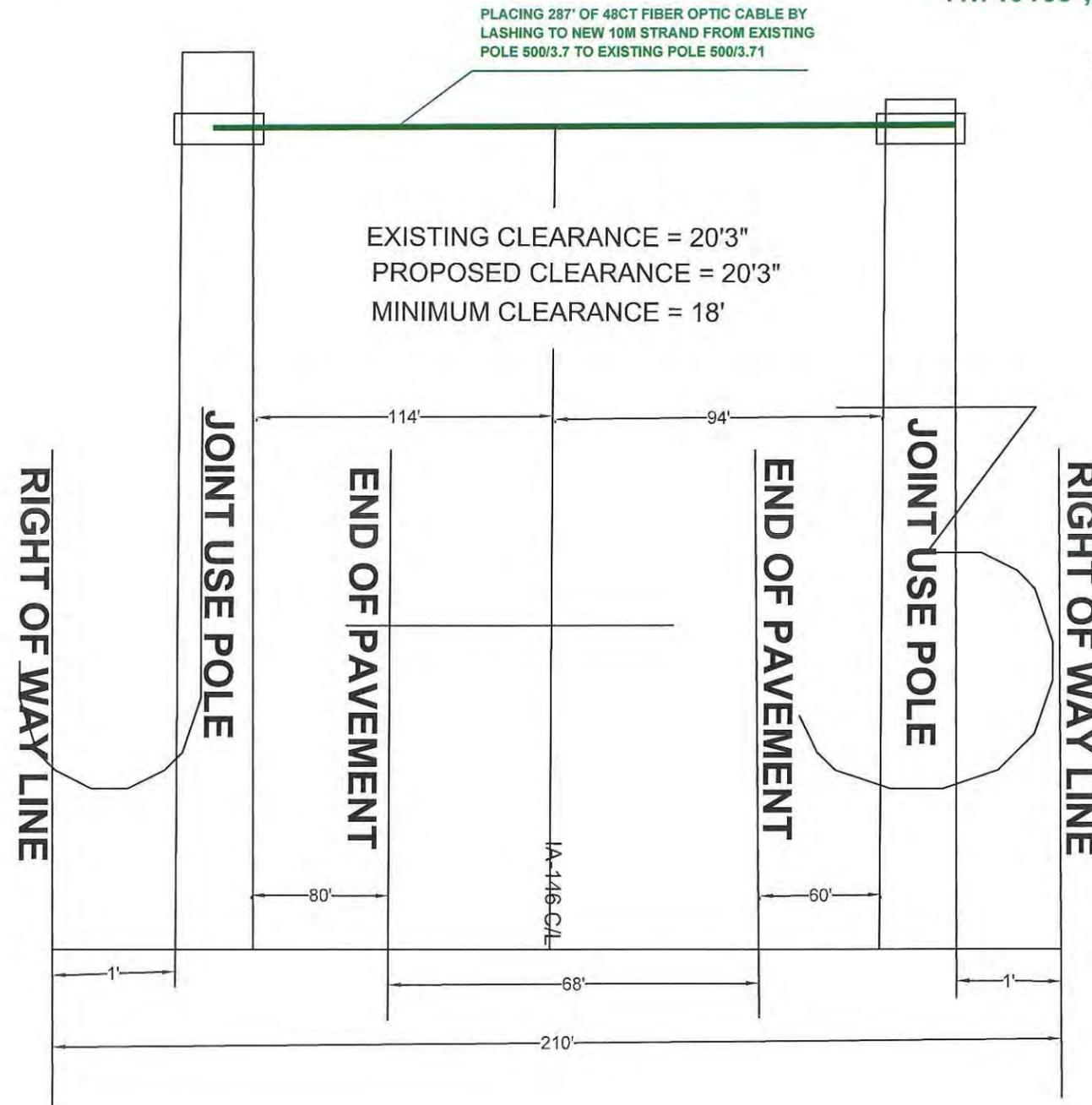
IA-146 (WEST ST) AERIAL CROSSING

41.719178°,-92.727693°

HOA=21'7"  
500/3.7  
50-05

41.719165°,-92.726957°

HOA=21'6"  
500/3.71  
50-05



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

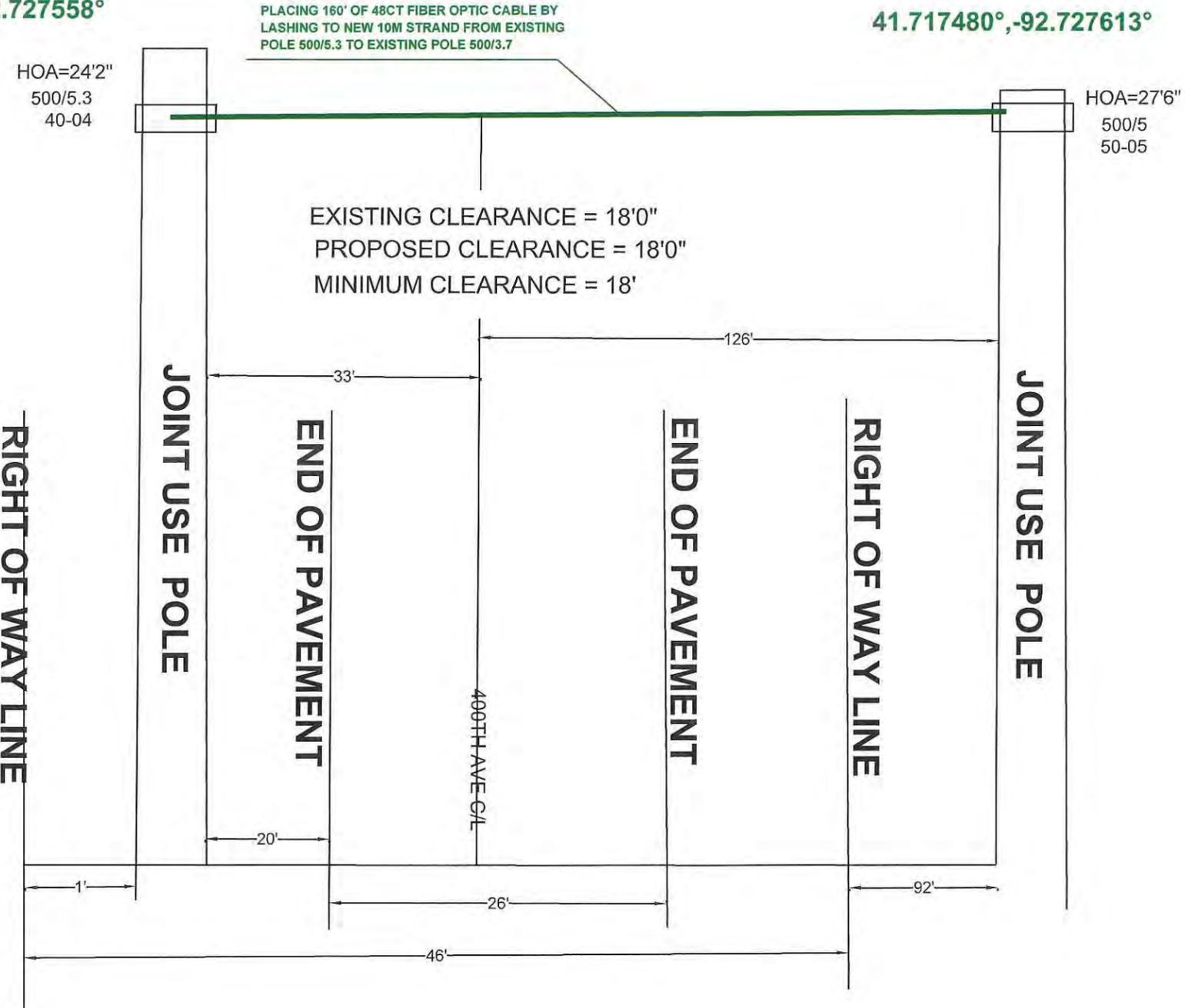
A-4 PROFILE

CYIENT INC

400TH ST AERIAL CROSSING

41.717045°,-92.727558°

41.717480°,-92.727613°



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

A-6 PROFILE

CYIENT INC

**LEGEND**

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- DRUM
- WORK SPACE
- VERTICAL PANEL
- TYPE I OR II BARRICADES
- TYPE III BARRICADES

**FOR TEMPORARY ROAD CLOSURE,  
ESTIMATED TIME OF COMPLETION  
IS 10 MINUTES.**

**SOUTH BOUND TRAFFIC LANE  
ESTIMATED TIME OF CLOSURE=6 HOURS**

**CHANNELIZATION DEVICE  
SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**SIGN SPACING = X (1)**

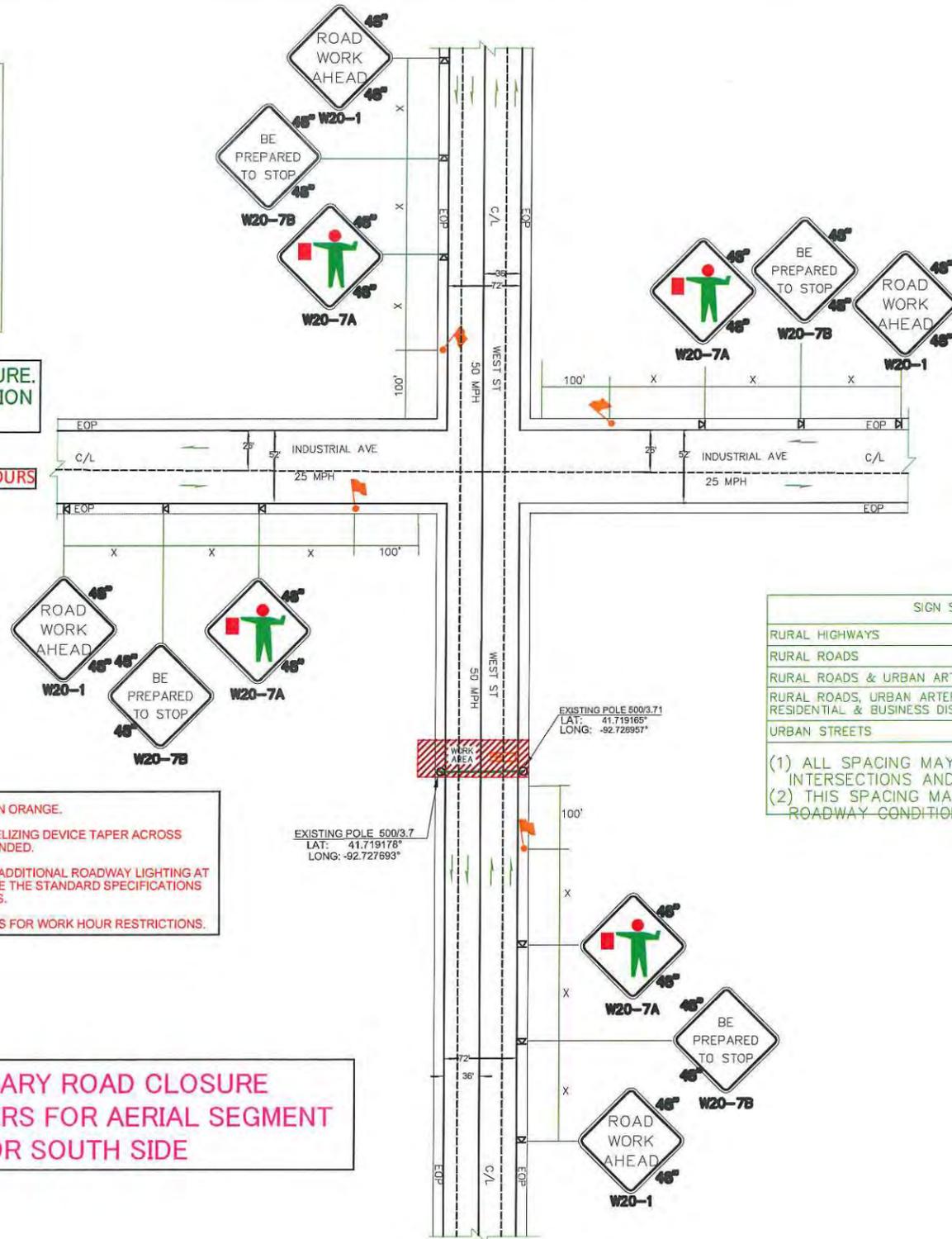
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**TEMPORARY ROAD CLOSURE  
WITH FLAGGERS FOR AERIAL SEGMENT  
FOR SOUTH SIDE**

**NOT TO SCALE**



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

TCP-3

CYIENT INC

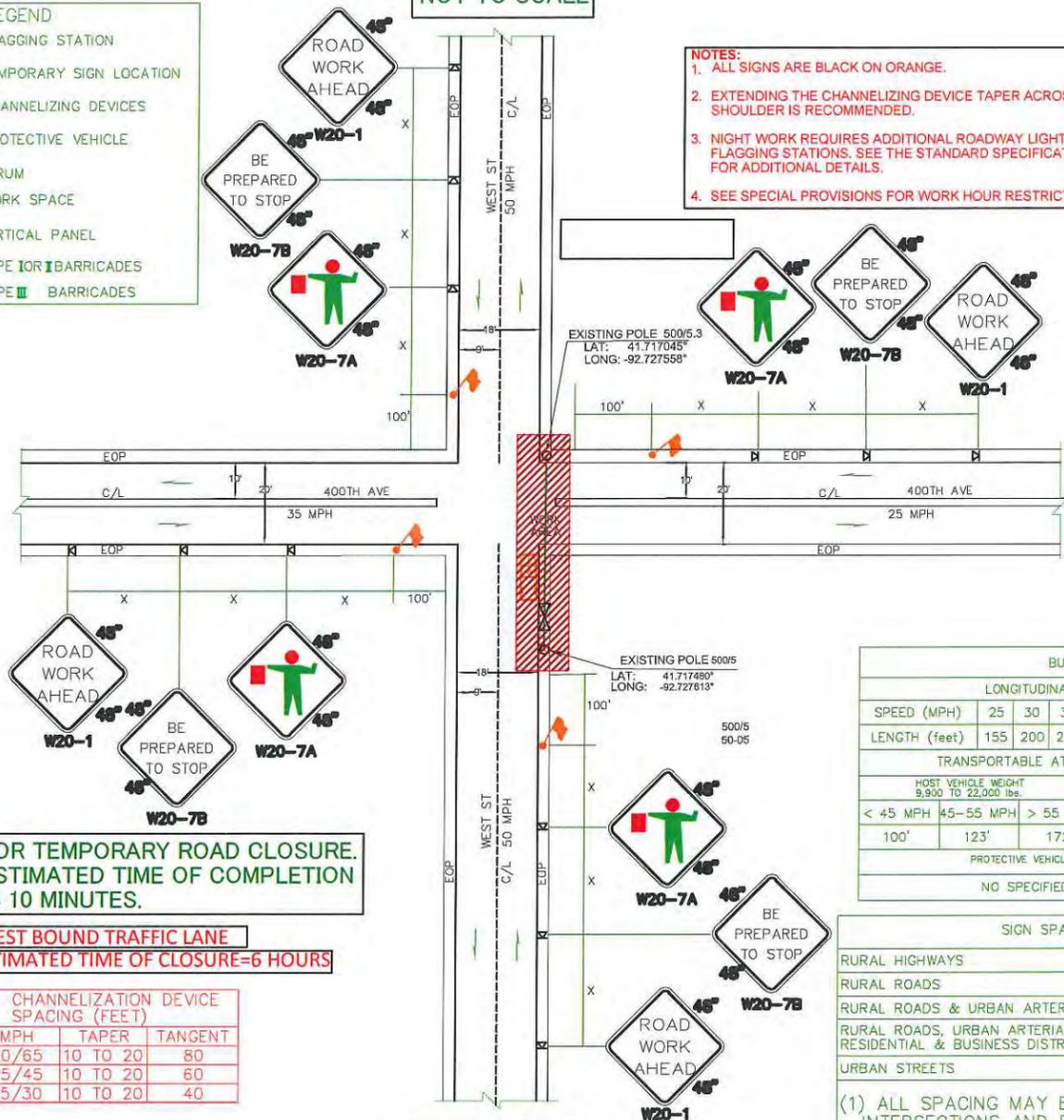
# TEMPORARY ROAD CLOSURE WITH FLAGGERS FOR AERIAL SEGMENT FOR WEST SIDE

**LEGEND**

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- DRUM
- WORK SPACE
- VERTICAL PANEL
- TYPE I OR II BARRICADES
- TYPE III BARRICADES

NOT TO SCALE

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



FOR TEMPORARY ROAD CLOSURE. ESTIMATED TIME OF COMPLETION IS 10 MINUTES.

WEST BOUND TRAFFIC LANE  
ESTIMATED TIME OF CLOSURE=6 HOURS

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**BUFFER DATA**

LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	380	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R  
NO SPECIFIED DISTANCE REQUIRED

**SIGN SPACING = X (1)**

RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

NOT TO SCALE

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

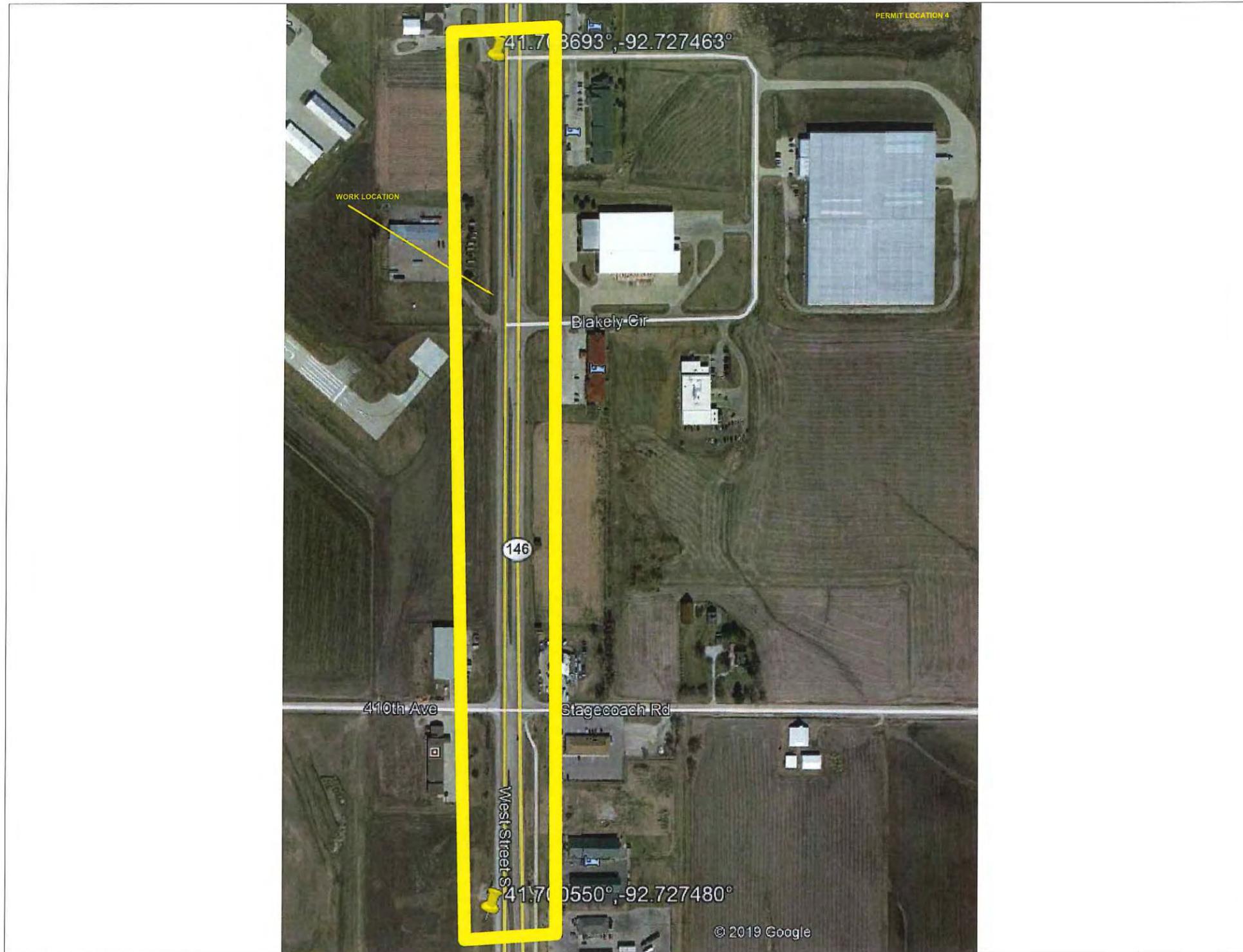
SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

TCP-4

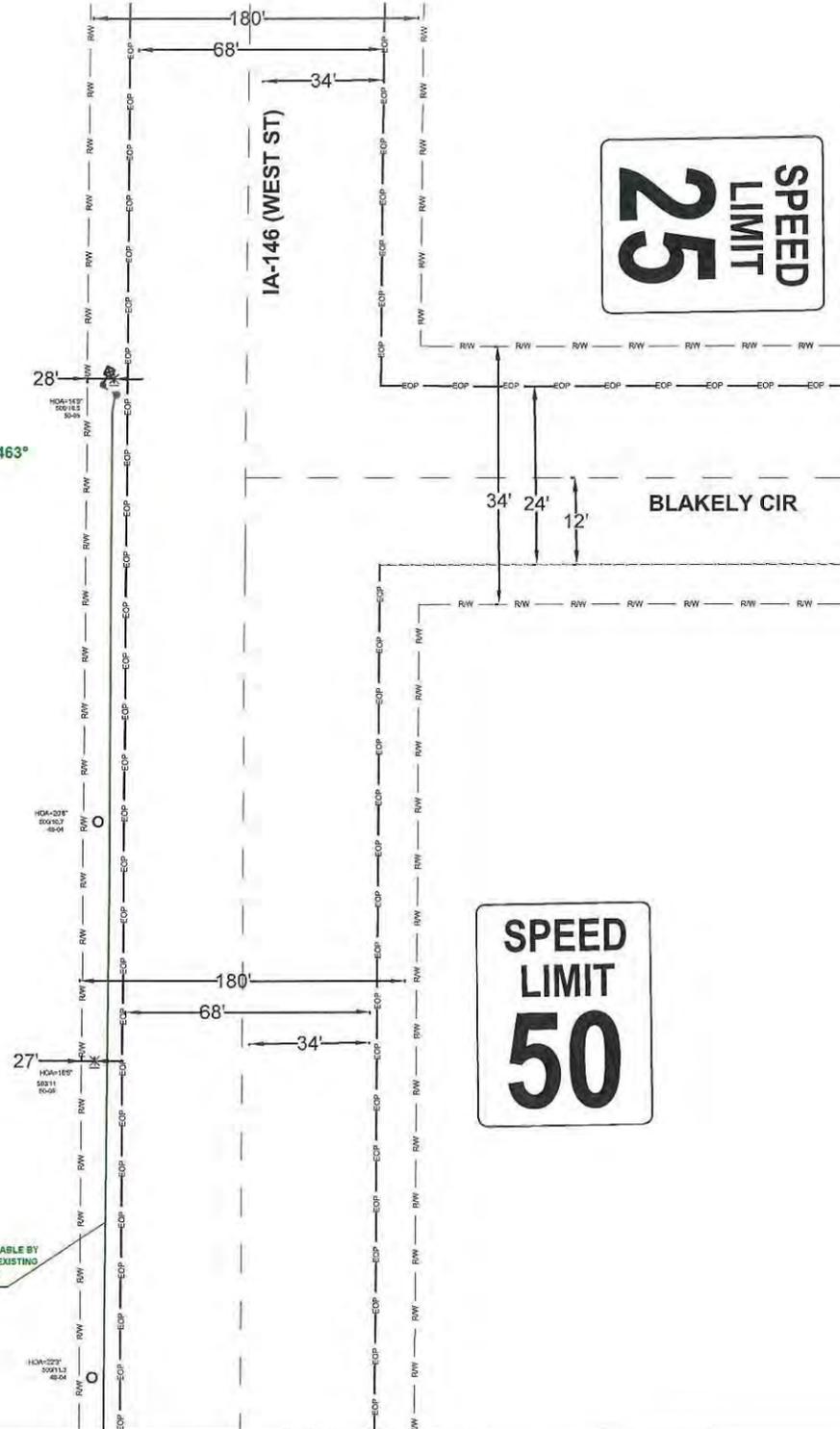
CYIENT INC



LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
○	Telephone Pole
—	Proposed Windstream Buried FOC
●	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
- - - -	Right of Way
- · - · -	Center line
—	Existing Windstream Aerial Cable

41.708693°, -92.727463°

PLACING 75' OF 48CT FIBER OPTIC CABLE BY LASHING TO EXISTING CABLE FROM EXISTING POLE 011 TO EXISTING POLE 600/10.5



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

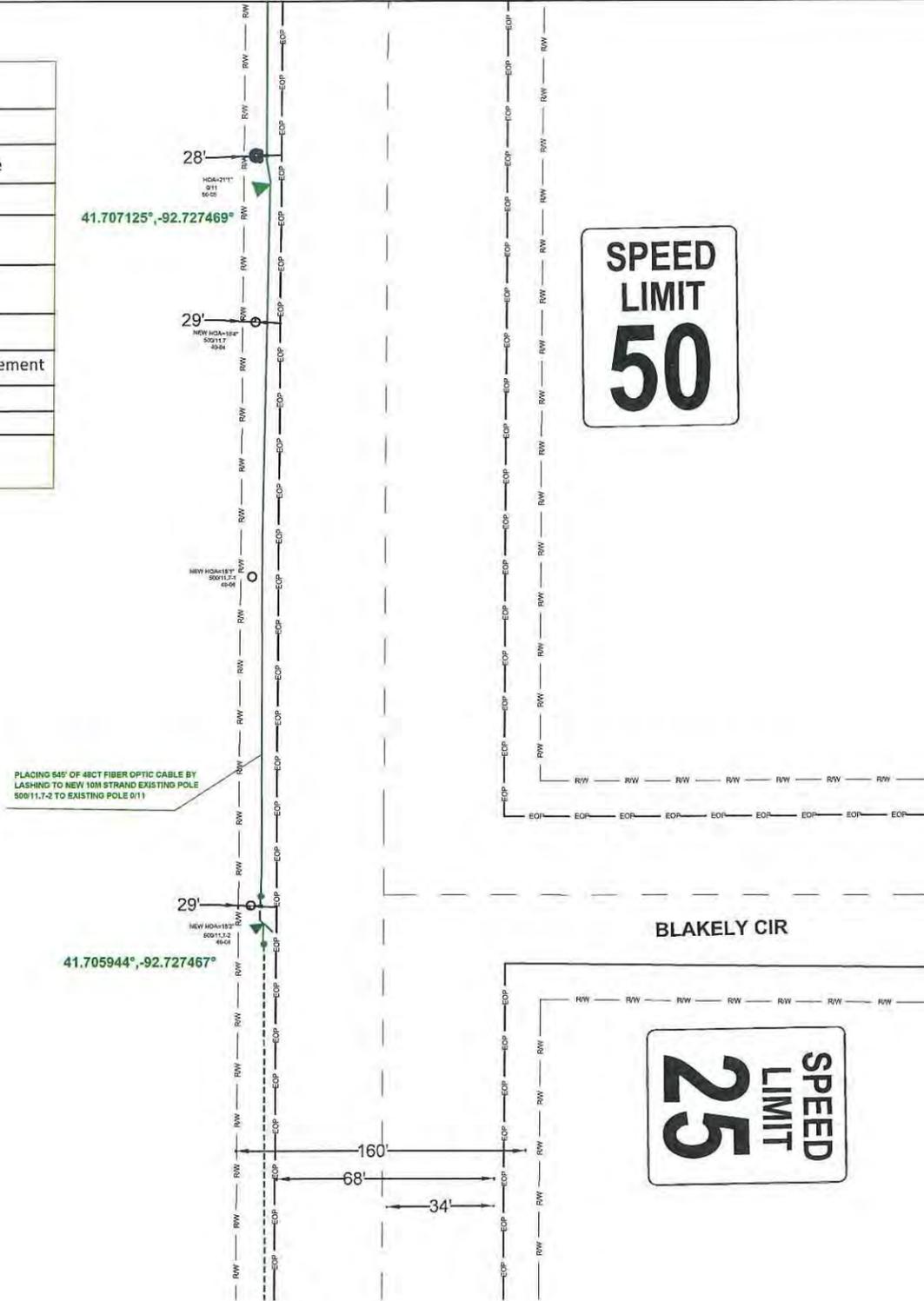
MAP:

A-7

CYIENT INC

A-7

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream Buried FOC
	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
- - - -	Right of Way
— C —	Center line
—	Existing Windstream Aerial Cable



A-9

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWYN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

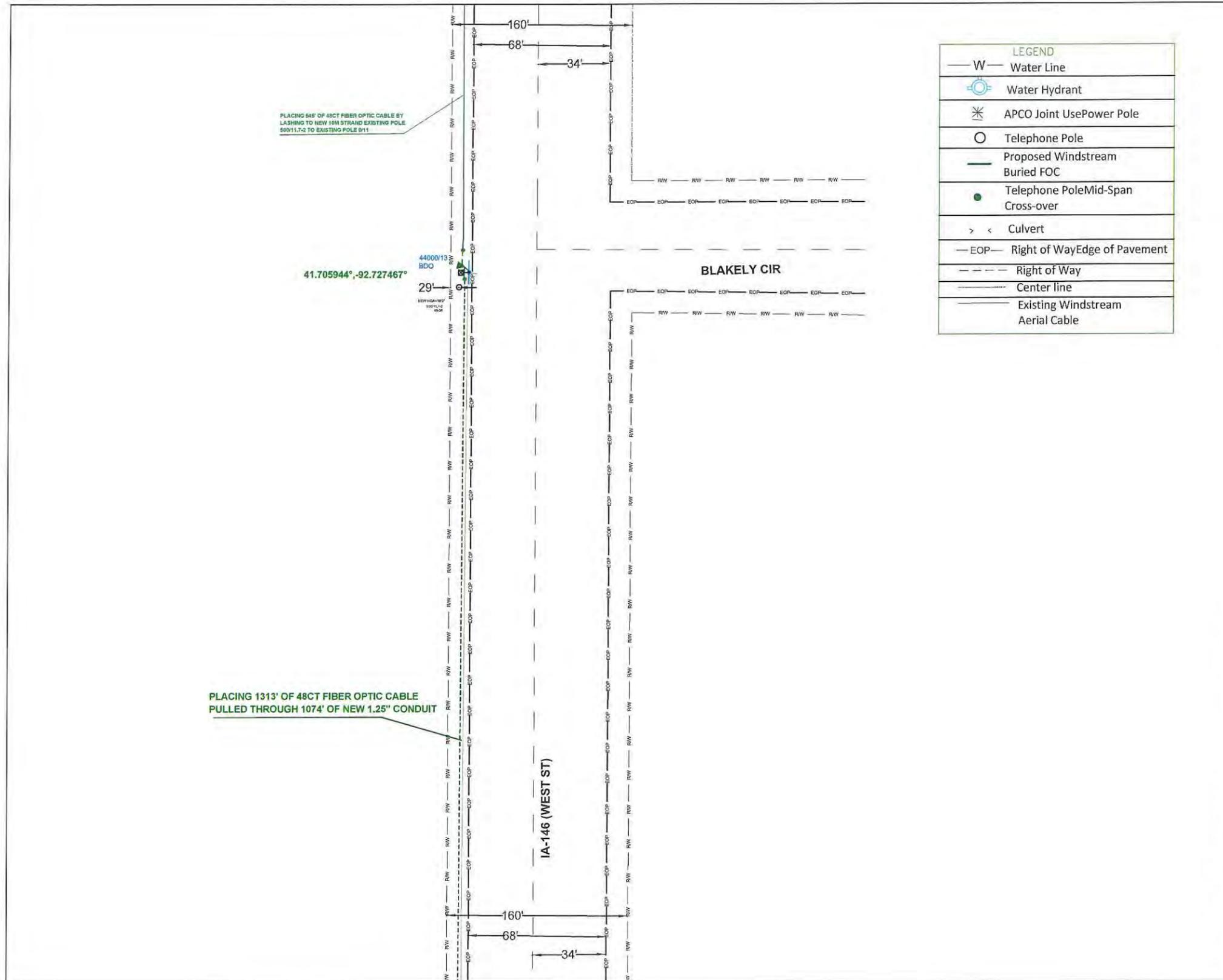
VERTEX\_6147\_SERVING\_AREA

MAP:

A-8

CYIENT INC

A-8



PLACING 545' OF 48CT FIBER OPTIC CABLE BY LASHING TO NEW 16M STRAND EXISTING POLE 50011.7-2 TO EXISTING POLE 911

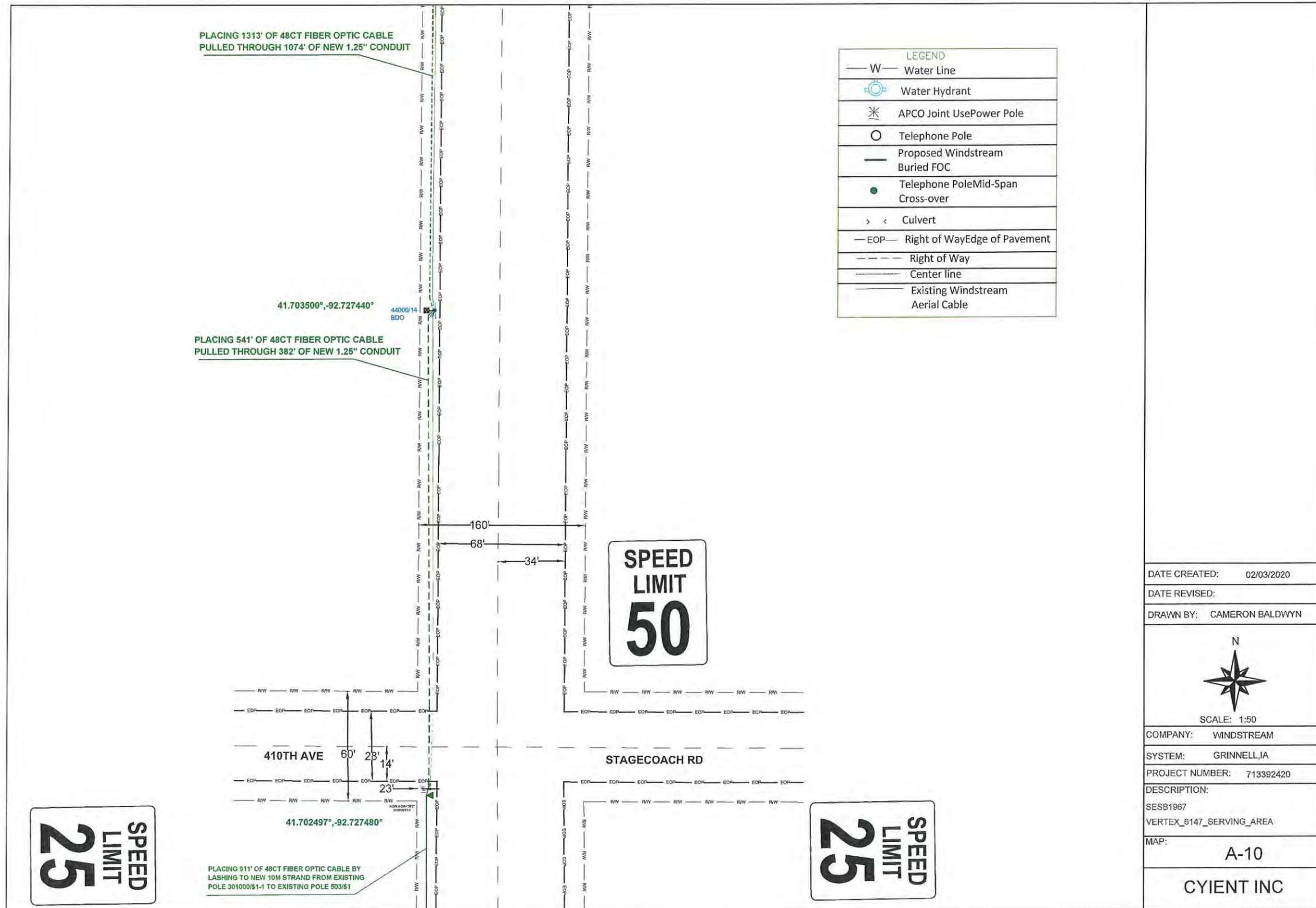
4400013 BDO  
41.705944°, -92.727467°  
29'

PLACING 1313' OF 48CT FIBER OPTIC CABLE PULLED THROUGH 1074' OF NEW 1.25" CONDUIT

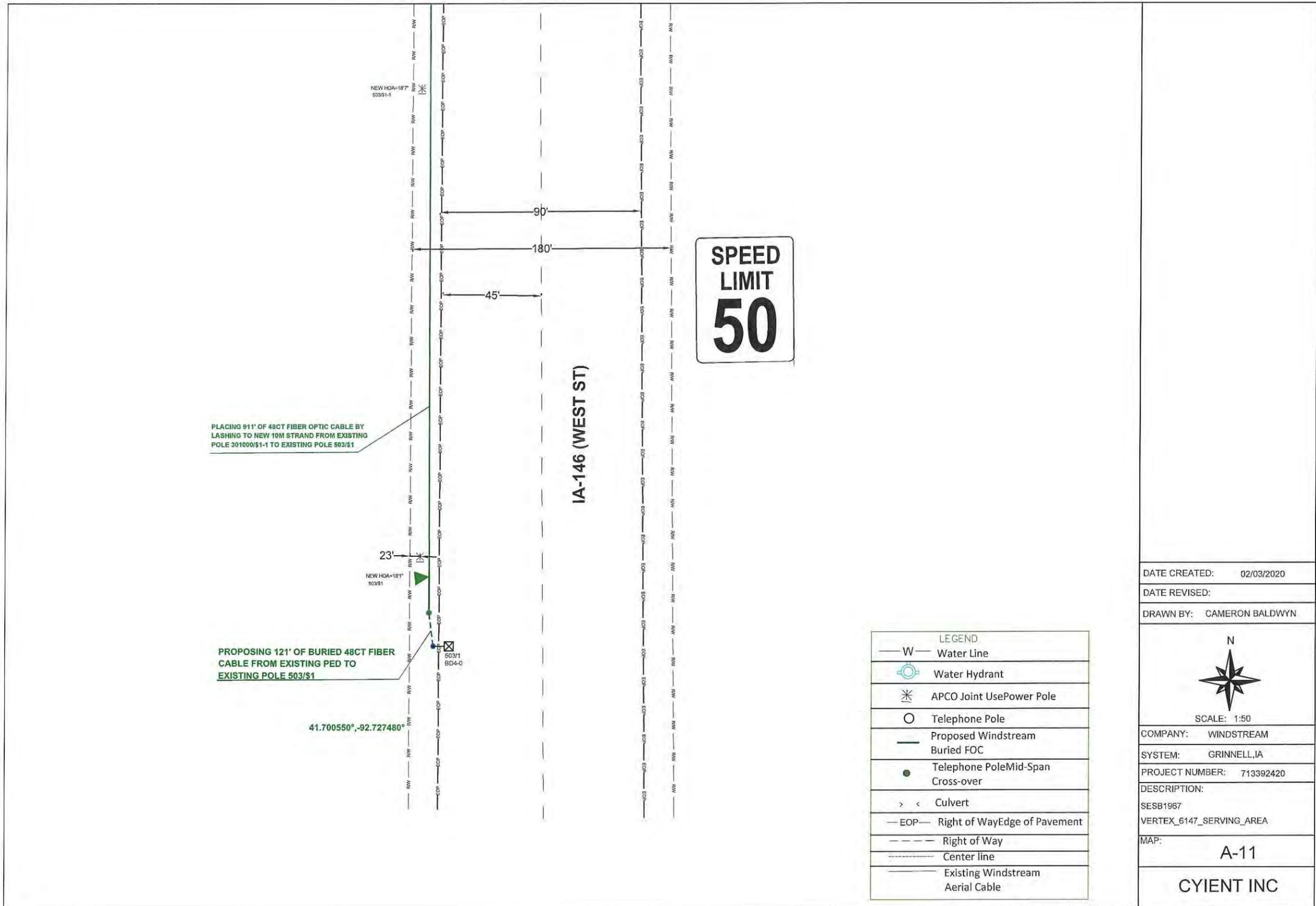
A-10

LEGEND	
— W —	Water Line
	Water Hydrant
	APCO Joint Use Power Pole
	Telephone Pole
	Proposed Windstream
	Buried FOC
	Telephone Pole Mid-Span Cross-over
> <	Culvert
— EOP —	Right of Way Edge of Pavement
- - - -	Right of Way
— — — —	Center line
	Existing Windstream Aerial Cable

DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SESB1967 VERTEX_6147_SERVING_AREA
MAP:	A-9
<b>CYIENT INC</b>	



DATE CREATED:	02/03/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392420
DESCRIPTION:	SESB1967 VERTEX_8147_SERVING_AREA
MAP:	A-10
<b>CYIENT INC</b>	



DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

A-11

CYIENT INC



SIGN SPACING = X (1)

RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

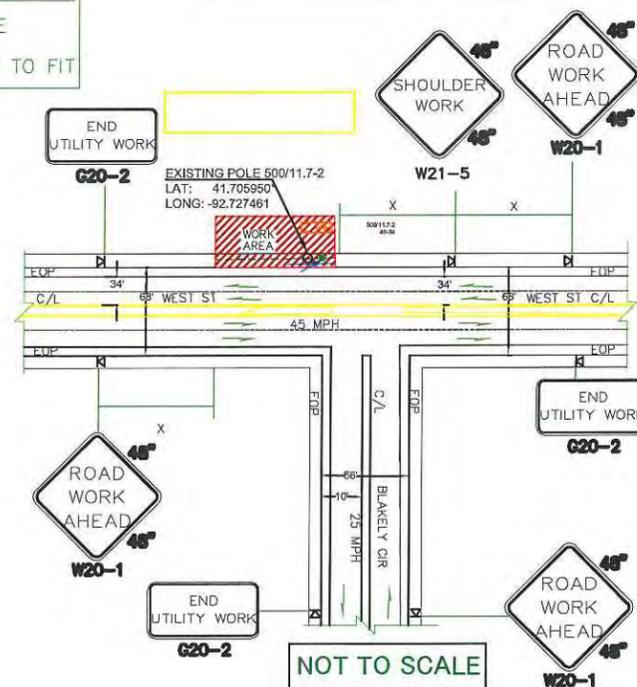
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

- NOTES:**
1. ALL SIGNS ARE BLACK ON ORANGE.
  2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**WEST BOUND TRAFFIC LANE**  
**ESTIMATED TIME OF CLOSURE=6 HOURS**

**SHOULDER CLOSURE  
TRAFFIC CONTROL  
BURIED SEGMENT  
FOR WEST SIDE**



**LEGEND**

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- DRUM
- WORK SPACE
- VERTICAL PANEL
- TYPE I OR II BARRICADES
- TYPE III BARRICADES

**BUFFER DATA**

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

	HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.		HOST VEHICLE WEIGHT > 22,000 lbs.	
	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH
PROTECTIVE VEHICLE (WORK VEHICLE) = R	100'	123'	172'	74'
				100'
				150'

NO SPECIFIED DISTANCE REQUIRED

DATE CREATED: 02/03/2020  
DATE REVISED:  
DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM  
SYSTEM: GRINNELL, IA  
PROJECT NUMBER: 713392420  
DESCRIPTION:  
SESB1967  
VERTEX\_6147\_SERVING\_AREA

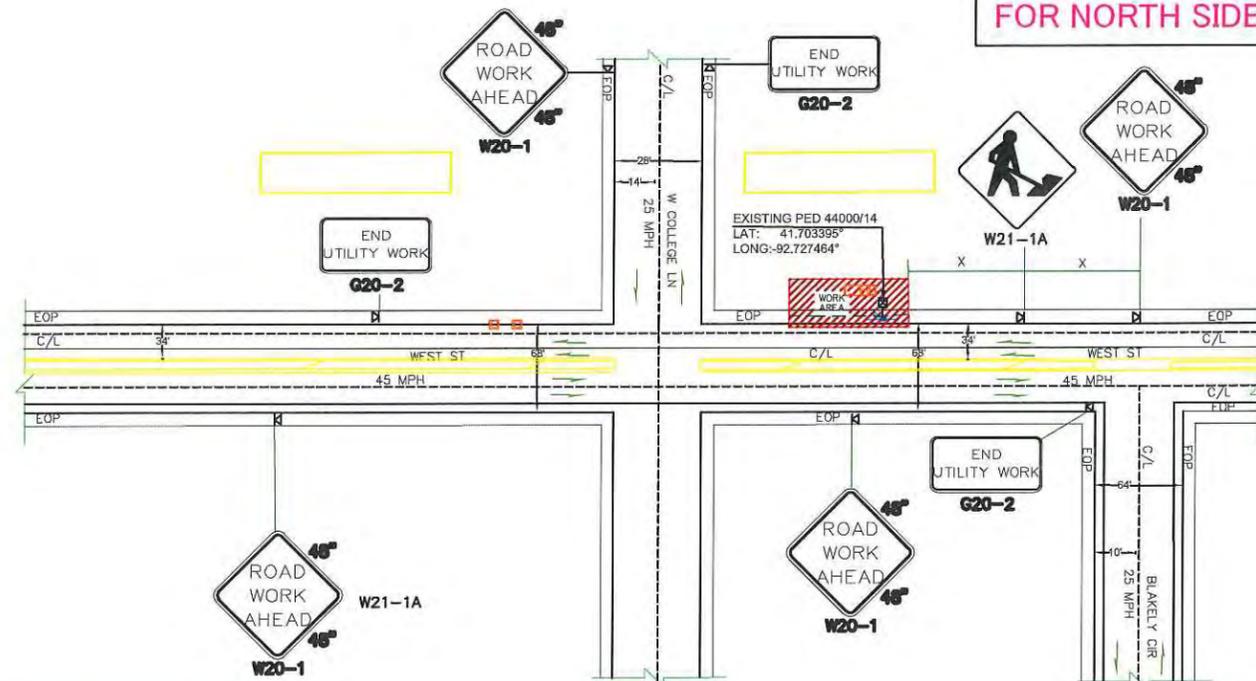
MAP: TCP-5

CYIENT INC

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**SHOULDER CLOSURE  
TRAFFIC CONTROL  
BURIED SEGMENT  
FOR NORTH SIDE**



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**NORTH BOUND TRAFFIC LANE  
ESTIMATED TIME OF CLOSURE=6 HOURS**

**NOT TO SCALE**

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**LEGEND**

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- DRUM
- WORK SPACE
- VERTICAL PANEL
- TYPE I OR I BARRICADES
- TYPE III BARRICADES

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH
100'	123'	172'	74'	100'	150'	100'	150'	100'	150'	150'
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

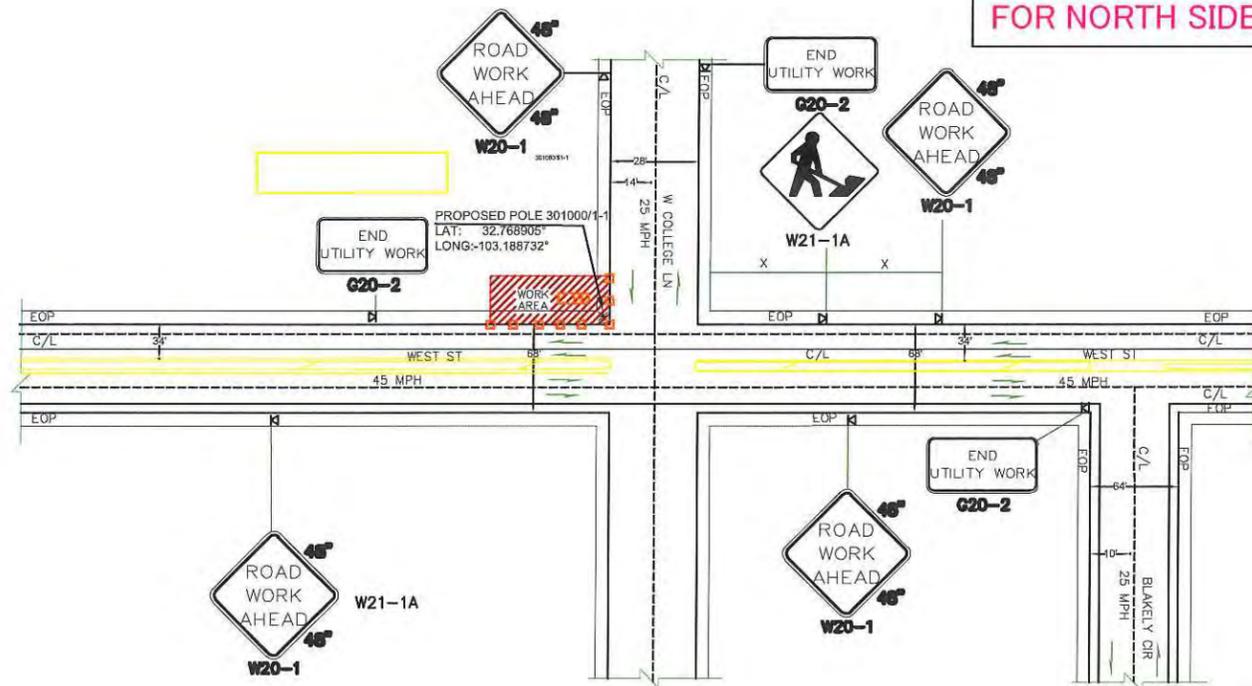
TCP-6

CYIENT INC

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**SHOULDER CLOSURE  
 TRAFFIC CONTROL  
 BURIED SEGMENT  
 FOR NORTH SIDE**



NOT TO SCALE

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**NORTH BOUND TRAFFIC LANE**  
**ESTIMATED TIME OF CLOSURE=6 HOURS**

- NOTES:**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**LEGEND**

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- DRUM
- WORK SPACE
- VERTICAL PANEL
- TYPE I OR II BARRICADES
- TYPE III BARRICADES

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT	9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.				
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH					
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

DATE CREATED: 02/03/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392420

DESCRIPTION:

SESB1967

VERTEX\_6147\_SERVING\_AREA

MAP:

TCP-7

CYIENT INC



VENDOR SET: 01 City of Grinnell, IA

O P E N I T E M R E P O R T

BANK: ALL

REPORTING: PAID, UNPAID

P U B L I C A T I O N

=====PAYMENT DATES=====

=====ITEM DATES=====

=====POSTING DATES=====

PAID ITEMS DATES : 2/04/2020 THRU 3/02/2020 0/00/0000 THRU 99/99/9999 0/00/0000 THRU 99/99/9999

UNPAID ITEMS DATES : 0/00/0000 THRU 99/99/9999 0/00/0000 THRU 99/99/9999

VENDOR NAME	DESCRIPTION	GROSS AMOUNT
VEVOQUA WATER TECHNOLOGIES	BIOXIDE	9,369.32
FARM BUREAU LIFE INS CO	ANNUITY	625.00
FIRE SERVICE TRAINING BURE	FF2 CERT (ER)	50.00
FORBES OFFICE EQUIPMENT	SUPPLIES	141.53
GALE	BKS	208.72
GATOR EXCAVATING, INC.	SNOW RMVL	1,710.00
GISL	ENTRY FEES (TS)	417.00
GORDON FLESCHE COMPANY, INC	LASERFICHE SUPPORT	693.00
GRAINGER	SUPPLIES	94.13
GREATER POWESHIEK COMMUNIT	GREATER POWESHIEK FOUNDATION	80.00
GRINNELL AREA ARTS COUNCIL	STEW/COMM EVENTS	2,922.67
GRINNELL FIRESTONE	REP	2,171.58
GRINNELL IMPLEMENT STORE	PARTS	16.56
GRINNELL REC DEPARTMENT	CICS BB TOURNEY	1,055.00
GRINNELL ROTARY CLUB	KITES OVER GRINNELL	1,300.00
GRINNELL VOL FIRE DEPT	VOL PAY	2,719.96
GRINNELL VOLLEYBALL CLUB	VOLLEYBALL CLUB TOURNEY	1,110.00
GRINNELL-NEWBURG SCHOOL	CENTRAL STAGE DANCE INVTL	1,595.00
GRMC OCCUPATIONAL HEALTH S	PHYSICAL (VOL)	505.32
HACH COMPANY	SUPPLIES	729.64
HANSEN, ELIZABETH ANN	STRATEGIC PLANNING	1,146.10
HARRISON TRUCK CENTERS	PARTS	254.49
HEIMAN FIRE EQUIPMENT	FIRE HOOD SAMPLE	118.91
HERALD REGISTER	LEGAL - CC	307.28
HI-VIZ SAFETY	SIGNS	104.00
HICKENBOTTOM INC	SUPPLIES	413.42
HORN, RANDAL L.	WINDOW CLEANING	440.00
HOTSY CLEANING SYSTEMS	SUPPLIES	382.50
HUTCHINSON SALT COMPANY	SALT	14,622.59
HY-VEE INC	SUPPLIES	56.47
IAMU	DUES	972.00
ICAP	LIABILITY INS	338.00
IMFOA	DUES (AW)	100.00
INTERSTATE POWER & LIGHT C	728 MAIN ST LEASE	1.00
IOWA COMMUNICATIONS NETWORK	DATA LINE	8.33
IOWA FIRE EQUIPMENT CO	ANNUAL INSP BACKFLOW	127.50
IOWA LEAGUE OF CITIES	ECIC DUES	120.00
IOWA NARCOTICS OFFICERS AS	CONF REG (DJ/ZS)	500.00
IOWA ONE CALL	LOCATES	35.30
IOWA PUMP WORKS, INC.	REPL PUMP	4,355.21
IPERS	IPERS	30,285.58
JD FINANCIAL - THEISEN'S	SUPPLIES	302.80
JD FINANCIAL-VAN WALL	PARTS	359.19
JOHNSON CONTROLS FIRE PROT	FIRE ALARM MONITORING	385.00





VENDOR SET: 01 City of Grinnell, IA

O P E N I T E M R E P O R T

BANK: ALL

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P U B L I C A T I O N

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=====ITEM DATES=====

=====POSTING DATES=====

PAID ITEMS DATES : 2/04/2020 THRU 3/02/2020

0/00/0000 THRU 99/99/9999

0/00/0000 THRU 99/99/9999

UNPAID ITEMS DATES :

0/00/0000 THRU 99/99/9999

0/00/0000 THRU 99/99/9999

VENDOR NAME

DESCRIPTION

GROSS AMOUNT

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	=====PAYMENT DATES=====	=====ITEM DATES=====	=====POSTING DATES=====
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UNPAID ITEMS DATES :		0/00/0000 THRU 99/99/9999	0/00/0000 THRU 99/99/9999

R E P O R T T O T A L S

	GROSS	PAYMENTS	BALANCE
PAID ITEMS	238,912.02	238,912.02CR	0.00
PARTIALLY PAID	0.00	0.00	0.00
UNPAID ITEMS	308,680.97	0.00	308,680.97
VOID ITEMS	0.00	0.00	0.00
<b>** TOTALS **</b>	<b>547,592.99</b>	<b>238,912.02CR</b>	<b>308,680.97</b>

U N P A I D R E C A P

UNPAID INVOICE TOTALS	309,806.06
UNPAID DEBIT MEMO TOTALS	0.00
UNAPPLIED CREDIT MEMO TOTALS	1,125.09CR
<b>** UNPAID TOTALS **</b>	<b>308,680.97</b>

VENDOR SET: 01 City of Grinnell, IA

O P E N I T E M R E P O R T

BANK: ALL

REPORTING: PAID, UNPAID

P U B L I C A T I O N

	=====PAYMENT DATES=====	=====ITEM DATES=====	=====POSTING DATES=====
PAID ITEMS DATES :	2/04/2020 THRU 3/02/2020	0/00/0000 THRU 99/99/9999	0/00/0000 THRU 99/99/9999
UNPAID ITEMS DATES :		0/00/0000 THRU 99/99/9999	0/00/0000 THRU 99/99/9999

FUND TOTALS

001	GENERAL FUND	129,147.76
002	VETERANS MEM - GEN	3,921.58
003	LIBRARY - GENERAL FUND	23,960.42
009	SPORTS AUTHORITY - GEN	7,060.00
010	BUILDING & PLANNING - GEN	6,374.71
103	LIBRARY FUND STATE - GEN	2,114.75
110	ROAD USE FUND - SPEC REV	45,899.30
112	T&A EMP BEN- SPEC REV	45,701.66
138	MED INS RESERVE - SPEC RV	1,710.00
140	MFPRSI MED ONLY - SPEC RV	133.93
145	HOTEL/MOTEL TAX - SPC REV	3,245.74
167	LIBRARY GIFTS - SPEC REV	2,933.81
315	CLNS FY 19-20	2,555.83
350	AIRPORT DEV - CAP PROJ	32,081.23
371	WATER TOWER PROJECT	352.00
377	16TH AVE BOX CULVERT	526.75
494	SAN EQMT REP FUND-SP RV	51,000.00
610	WATER FUND	75,403.72
620	SEWER OPERATION AND MAINT	62,542.41
630	STORM SEWER FUND	428.97
670	SOLID WASTE	50,498.42

GRAND TOTAL 547,592.99