



**Planning & Development Division**  
*Planning & Economic Development Department*

Room 160  
411 West First Street  
Duluth, Minnesota 55802



218-730-5580



planning@duluthmn.gov

|                      |   |                          |                               |                   |
|----------------------|---|--------------------------|-------------------------------|-------------------|
| File Number          | PL 23-209   | Contact                  | Chris Lee, cleee@duluthmn.gov |                   |
| Type                 | Concurrent Use Permit, Wireless Utility on Light Pole | Planning Commission Date |                               | March 12, 2024    |
| Deadline for Action  | Application Date                                      | January 18, 2024         | 60 Days                       | March 18, 2024    |
|                      | Date Extension Letter Mailed                          | January 18, 2024         | 120 Days                      | May 17, 2024      |
| Location of Subject  |   | Near 2860 Piedmont Ave   |                               |                   |
| Applicant            | MasTec  | Contact                  |                               |                   |
| Agent                |   | Contact                  |                               |                   |
| Legal Description    |   | N/A                      |                               |                   |
| Site Visit Date      |   | February 27, 2024        | Sign Notice Date              | February 27, 2024 |
| Neighbor Letter Date |   | N/A                      | Number of Letters Sent        | N/A               |

**Proposal:** The applicant is seeking a concurrent use permit to allow an antenna and equipment on an existing pole, as well as a handhole for power and a handhole for fiber placed in the ground, within the public right of way.

**Recommended Action:** Recommend to the city council to approve with conditions.

|                | <b>Current Zoning</b> | <b>Existing Land Use</b> | <b>Future Land Use Map Designation</b> |
|----------------|-----------------------|--------------------------|--|
| <b>Subject</b> | R-1                   | Right of Way             | Traditional Neighborhood               |
| <b>North</b>   | R-1                   | Office                   | Neighborhood Commercial                |
| <b>South</b>   | R-1                   | Residential              | Traditional Neighborhood               |
| <b>East</b>    | R-1                   | Mixed Use                | Neighborhood Commercial                |
| <b>West</b>    | R-1                   | Residential              | Traditional Neighborhood               |

**Summary of Code Requirements**

UDC Section 50-37.7.C. The planning commission shall review the application, and council shall approve the application or approve it with modifications, if it determines that the proposed concurrent use will not harm or inconvenience the health, safety and general welfare of the city, and no portion of a public easement proposed of use is being physically occupied by the public.

**Comprehensive Plan Governing Principle and/or Policies and Current History (if applicable):**

Principle #4 - Support emerging economic growth sectors. Emerging economic sectors add economic, cultural and social diversity. These include higher education, medical, value-added manufacturing, commercial outdoor recreation, historic resources interpretation, arts and music, information technology and visitor services.

Future Land Use: Low-density Neighborhood: Single -family housing with urban services. Typified by curvilinear streets, houses with longer dimension parallel to street, and attached garages. Includes a range of house sizes and lot sizes. Non -residential uses are mainly uses such as schools and churches. Parks and open space are located within or adjacent.

This is a companion zoning application to PL 23-203, -204, -205, -206, -207, -208, -210, -212, -213, also concurrent use permits for wireless equipment on existing utility poles.

**Discussion**

Staff finds that:

- 1) The small cell facility will be installed on a replacement Minnesota Power wooden pole. The existing light will be installed at 24 feet and wireless equipment will be placed at 39 to 41 feet, with a radio at 15 feet. Wireless attachments will include 1 exterior mounted panel antenna and 1 radio unit. There will be no ground mounted equipment. The new pole will have a structural analysis by the manufacturer to ensure that they can support the weight of the private small cell facilities.
- 2) Granting a concurrent use permit would give the applicant the ability to use a portion of the right of way, with conditions, while preserving other existing public uses. Unlike street vacations, concurrent use permits are not recorded at the County as they are voidable permits issued by the City to applicants who are private users of public rights of way.
- 3) Ownership of the pole will remain with Minnesota Power. Liability, maintenance, and operation of the small wireless facilities will remain the responsibility of the applicant. In the event of an accident, such as a vehicle hitting the utility pole, the city is not responsible for restoring or replacing any of the applicant's equipment.
- 4) Granting the proposed concurrent use permits will not harm or inconvenience the health, safety and general welfare of the city. It will not cause any additional obstructions within the right of way, and the applicant will be required to maintain liability insurance over their facilities, with the City of Duluth named an additional insured on the policy.
- 5) The UDC generally requires that new wireless facilities follow a location standard: they should be collocated on existing towers or other structures on city owned properties first, and then existing towers or other structures on other (private) property, and so forth down the location standard list. As these small cell facilities would be located on existing infrastructure in public right of way, and as per the recent change in state statute, the city is processing these applications as concurrent use permits and not special use permits, and the UDC's use-specific standards do not apply in this specific situation.
- 6) The city has the ability to regulate land use; however, the Federal Communications Commission preempts local review on the potential environmental effects of radio frequency (RF) emissions, with the presumption that the applicant and service provider is in compliance with the Commission's RF rules. The applicant included an FCC checklist used to determine exemption from RF regulations (unlikely to cause exposure in excess of the FCC's guidelines). The installation falls with the provisions of Minnesota Statute 237.162 and 247.1643, as amended in 2017.
- 7) The ordinance will require that the project proposer will locate any underground items in accordance with Gopher State One Call rules, and that the city will bear no responsibility for locating any facility related to the concurrent use permit except as it is legally responsible under the Gopher State One Call rules.
- 8) No public, agency, or Citizen comments have been received.

**Staff Recommendation:**

Based on the above findings, Staff recommends that the Planning Commission recommend approval of the concurrent use permit subject to the following conditions:

- 1) The project be limited to, constructed, and maintained according to construction drawings submitted and included with this staff report along with any revisions as requested by City Engineering.
- 2) Applicant, and/or successors, shall remove the proposed obstructions at applicant's expense if directed to do so by the City with appropriate notice, and shall adhere to other standards and obligations established in the approving document (ordinance).
- 3) Any alterations to the approved plans that do not alter major elements of the plan may be approved by the Land Use Supervisor without further Planning Commission approval; however, all other changes must be approved by amending the City Council's approved ordinance.



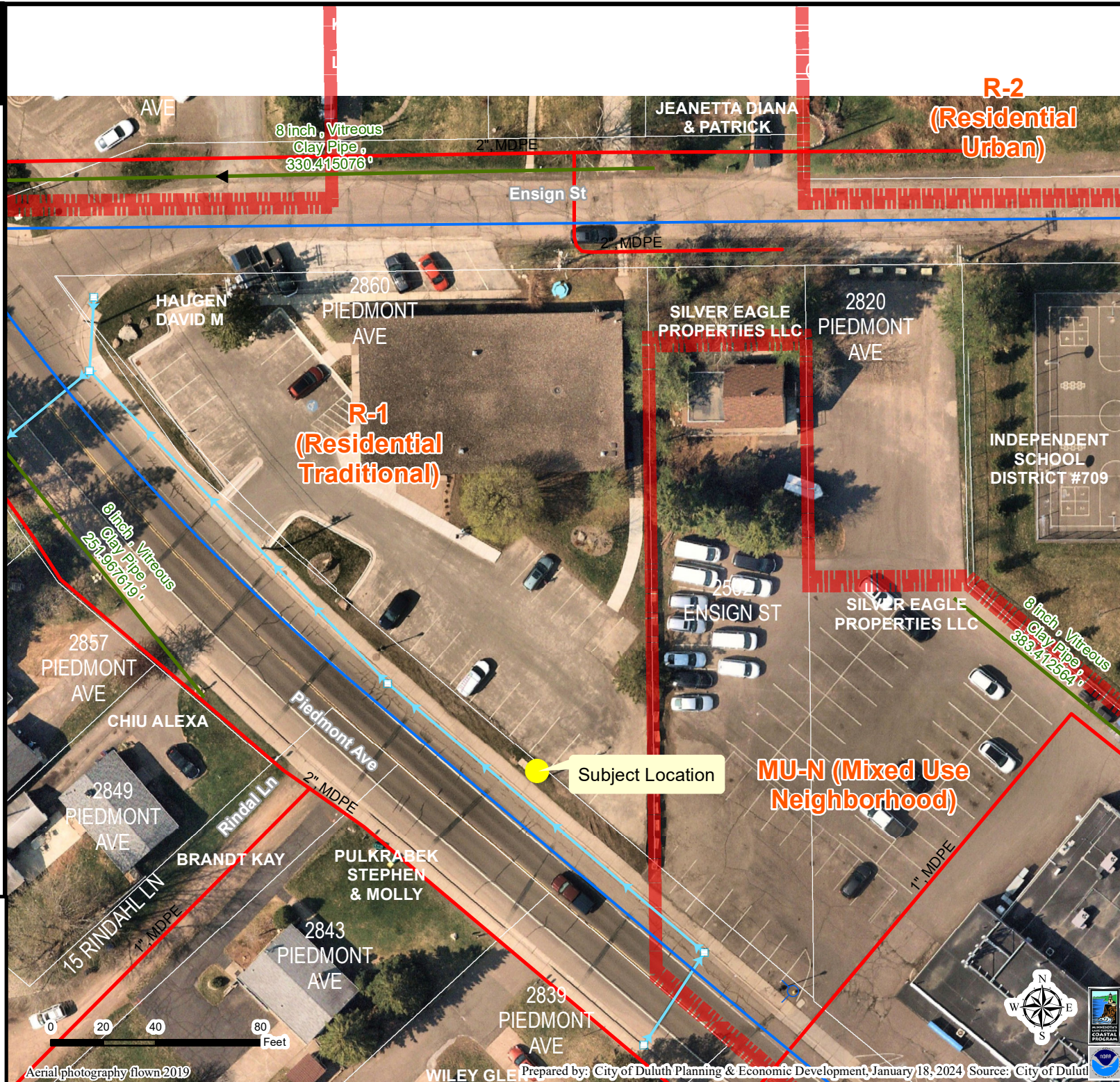


PL23-209  
Small Cell CUP  
2860 Piedmont Ave

**Legend**

- Gas Main
- Water Main
- Hydrant
- Sanitary Sewer Mains**
  - CITY OF DULUTH
  - WLS&D; PRIVATE
  - Sanitary Sewer Forced Main
- Storage Basin
- Pump Station
- Storm Sewer Mains**
  - Storm Sewer Pipe
  - Storm Sewer Catch Basin
- Zoning Boundaries**
  - Trout Stream (GPS)
  - Other Stream (GPS)

The City of Duluth has tried to ensure that the information contained in this map or electronic document is accurate. The City of Duluth makes no warranty or guarantee concerning the accuracy or reliability. This drawing/data is neither a legally recorded map nor a survey and is not intended to be used as one. The drawing/data is a compilation of records, information and data located in various City, County and State offices and other sources affecting the area shown and is to be used for reference purposes only. The City of Duluth shall not be liable for errors contained within this data provided or for any damages in connection with the use of this information contained within.



Aerial photography flown 2019

Prepared by: City of Duluth Planning & Economic Development, January 18, 2024 Source: City of Duluth





# AT&T

PROJECT: MNP\_MASTEC\_CRAN

SITE NAME: CRAN\_RUMW\_GECHL\_007

USID: 227122

SKIP ID / NODE#: MNL07042F\_R01

PACE NUMBER: MRUMW025573

IWM JOB: WSUMW0015992

PTN NUMBER: 3514A0HOM5

FA NUMBER: 14833940

COORDINATES: 46.783380°, -92.161600°

SITE ADDRESS: 2841 PIEDMONT AVENUE  
DULUTH, MN 55811

## PROJECT INFORMATION

|                       |  |
|-----------------------|--|
| PROJECT:              | MNP_MASTEC_CRAN  |
| SITE NAME:            | CRAN_RUMW_GECHL_007  |
| USID:                 | 227122   |
| PACE NUMBER:          | MRUMW025573  |
| LATITUDE:             | 46.783380°   |
| LONGITUDE:            | -92.161600°  |
| SITE ADDRESS:         | 2841 PIEDMONT AVENUE   |
| CITY, STATE ZIP:      | DULUTH, MN 55811   |
| COUNTY:               | ST. LOUIS  |
| JURISDICTION:         | ST. LOUIS COUNTY   |
| STRUCTURE TYPE:       | WOOD LIGHT POLE  |
| STRUCTURE OWNER:      | MINNESOTA POWER  |
| POLE PART NUMBER:     | CLASS 3 #M5504463  |
| GROUND ELEVATION:     | 1346'± A.M.S.L.  |
| APPLICANT:            | AT&T WIRELESS<br>7900 XERXES AVENUE S.<br>BLOOMINGTON, MN 55431  |
| SITE ACQUISITION:     | HAZEL MAURO - SITE ACQUISITION PROJECT MANAGER<br>1351 IRVING PARK RD,<br>ITASCA, IL 60143<br>hazel.mauro@mastec.com<br>(913) 710-3999 |
| ENGINEERING SERVICES: | MASTEC NETWORK SOLUTIONS<br>1151 SE CARY PARKWAY,<br>SUITE 101 CARY, NC 27518 - (972) 581-9888   |

## SCOPE OF WORK

1. REPLACE EXISTING 24'-0" A.G.L. WOOD LIGHT POLE WITH NEW 36'-6" A.G.L. WOOD LIGHT POLE PAINTED BROWN INCLUDING 2' OMNI ANTENNA ON TOP MOUNTED ON EXTENSION BRACKET. TOTAL HEIGHT OF 41'-10" A.G.L.
2. INSTALL NEW EQUIPMENT BRACKET ON POLE INCLUDING (1) DUAL BAND B25/B66 RRH AND (1) AZRA B46 RADIO WITH (1) PSU PER MANUFACTURER'S SPECIFICATIONS.
3. INSTALL METER ON POLE PER MANUFACTURERS SPECIFICATIONS AND PER UTILITY AND NEC REQUIREMENTS.

ANY DEVIATION THAT DIFFERS SUBSTANTIALLY FROM WHAT IS SHOWN ON THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE ENGINEER OF RECORD. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK CAN BE MADE DURING CONSTRUCTION WITHOUT ISSUING A CHANGE ORDER.

## AERIAL PHOTO



## STRUCTURE PHOTO



## SHEET INDEX

| SHEET # | SHEET TITLE              |
|---------|--------------------------|
| T-1     | TITLE SHEET              |
| C-1     | SITE PLAN                |
| C-2     | ENLARGED SITE PLAN       |
| C-3     | AERIAL MAP               |
| C-4     | PROPOSED POLE ELEVATIONS |
| PS-1    | PHOTO SIMULATION         |
| PS-2    | PHOTO SIMULATION         |
| EQ-1    | EQUIPMENT DETAILS        |
| EQ-2    | EQUIPMENT DETAILS        |
| EQ-3    | EQUIPMENT DETAILS        |
| EQ-4    | EQUIPMENT DETAILS        |
| RF-1    | PLUMBING DIAGRAM         |
| E-1     | ELECTRICAL DETAILS       |
| G-1     | GROUNDING DETAILS        |
| TC-1    | TRAFFIC CONTROL PLAN     |
| GN-1    | GENERAL NOTES            |

## CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH CURRENT EDITIONS OF THE FOLLOWING APPLICABLE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- 2018 INTERNATIONAL BUILDING CODE
- 2020 NATIONAL ELECTRIC CODE

THESE DRAWINGS ARE DESIGNED TO THE LATEST CODES. THEY ALSO MEET THE ADOPTED CODE REQUIREMENTS OF THE LOCAL JURISDICTION.

## ONE CALL



Know what's below.  
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN MINNESOTA, CALL GOPHER STATE ONE CALL.  
TOLL FREE: 1-800-252-1166 OR  
FAX A LOCATE: 1-800-236-4967  
www.gopherstateonecall.org

MINNESOTA STATUTE REQUIRES  
MIN OF 48 HOURS NOTICE  
BEFORE YOU EXCAVATE

**Mastec**  
Network Solutions  
1151 SE CARY PARKWAY,  
SUITE 101 CARY, NC 27518



AT&T  
7900 XERXES AVENUE S.  
BLOOMINGTON, MN 55431

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: RAPHAEL MOHAMED

Signature: Raphael Mohamed, PE, No. 44557

Date: 11/03/23 License #: 44557

MASTEC NETWORK SOLUTIONS  
MINNESOTA PE LICENSE RENEWAL 06/30/2024

MASTEC NETWORK SOLUTIONS, IS REGISTERED IN MN

PROJECT STATUS:

FOR  
CONSTRUCTION

## SUBMITTALS

| REV | DATE     | DESCRIPTION     | BY |
|-----|----------|-----------------|----|
| A   | 07/31/23 | CD FOR REVIEW   | MN |
| B   | 08/07/23 | CD FOR REVIEW   | MC |
| C   | 08/16/23 | FOR REVIEW      | MC |
| D   | 08/31/23 | FINAL CD        | MN |
| 1   | 11/03/23 | PER LOCATES ADD | MN |

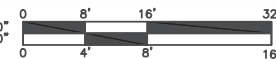
|                |                        |
|----------------|------------------------|
| CHECKED BY: MH | CHECKED DATE: 11/03/23 |
|----------------|------------------------|

|                    |   |
|--------------------|---|
| SHEET INFORMATION: | PROJECT NAME:<br>CRAN_RUMW_GECHL_007                      |
|                    | PACE NUMBER:<br>MRUMW025573                               |
|                    | PTN NUMBER:<br>3514A0HOM5                                 |
|                    | SITE ADDRESS:<br>2841 PIEDMONT AVENUE<br>DULUTH, MN 55811 |
|                    | SITE COORDINATES:<br>46.783380°, -92.161600°              |

|              |             |
|--------------|-------------|
| SHEET TITLE: | TITLE SHEET |
|--------------|-------------|

|               |     |
|---------------|-----|
| SHEET NUMBER: | T-1 |
|---------------|-----|





SHEET NUMBER: C-2





1 AERIAL PLAN



11"x17" SCALE: 1" = 100'-0"  
22"x34" SCALE: 1" = 50'-0"



**Mastec**  
Network Solutions

1151 SE CARY PARKWAY,  
SUITE 101 CARY, NC 27518



AT&T  
7900 XERVES AVENUE S.  
BLOOMINGTON, MN 55431

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Print Name: RAPHAEL MOHAMED

Signature:

Date 11/03/23 License # 44557

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PREPARED BY: MH DATE REVISION: 11/03/23

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PAGE NUMBER:  
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46.783380°, -92.161600°

PROJECT TITLE:  
AERIAL MAP

SHEET NUMBER:  
C-3



## NOTE:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO THE ONSET OF CONSTRUCTION, THAT THE SUPPORTING STRUCTURE(S) AND MOUNTING SYSTEM(S) HAVE BEEN DEEMED STRUCTURALLY ADEQUATE BY A LICENSED PROFESSIONAL ENGINEER TO SUPPORT THE EXISTING AND PROPOSED EQUIPMENT AND ASSOCIATED CONSTRUCTION LOADS, INCLUDING BUT NOT LIMITED TO THOSE DEPICTED, HEREIN. THE CONTRACTOR SHALL ASSUME THE FULL LIABILITY AND RISK ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED EQUIPMENT AND/OR APPURTENANCES IF PERFORMED WITHOUT SAID PASSING STRUCTURAL ANALYSIS OR EVALUATION. IF THE RESULT OF THE ANALYSIS REQUIRES THE STRUCTURE BE STRENGTHENED OR MODIFIED; SUCH MODIFICATIONS SHALL BE PROPERLY INSTALLED AND COMPLETED PRIOR TO THE ONSET OF CONSTRUCTION.

TOP OF PROPOSED ANTENNA  
ELEV: 41'-10"± A.G.L.  
C.L. OF PROPOSED ANTENNA  
ELEV: 40'-8"± A.G.L.  
TOP OF PROPOSED CANTENNA SLEEVE  
ELEV: 39'-10"± A.G.L.  
TOP OF PROPOSED EXTENSION BRACKET  
ELEV: 39'-6"± A.G.L.  
TOP OF PROPOSED LAA RADIO  
ELEV: 38'-8"± A.G.L.  
BOTTOM OF PROPOSED LAA RADIO  
ELEV: 37'-7"± A.G.L.  
TOP OF PROPOSED POLE  
ELEV: 36'-6"± A.G.L.

TOP OF EXISTING LUMINAIRE  
ELEV: 24'-6"± A.G.L.  
EXISTING SECONDARY  
ELEV: 23'-3"± A.G.L.  
PROPOSED WEATHERHEAD  
ELEV: 20'-6"± A.G.L.

TOP OF PROPOSED BRACKET  
ELEV: 17'-2"± A.G.L.  
TOP OF PROPOSED RADIO  
ELEV: 16'-10"± A.G.L.  
TOP OF PROPOSED PSU  
ELEV: 15'-2"± A.G.L.  
BOTTOM OF PROPOSED RADIO  
ELEV: 15'-0"± A.G.L.  
BOTTOM OF PROPOSED PSU  
ELEV: 14'-8"± A.G.L.  
BOTTOM OF PROPOSED BRACKET  
ELEV: 14'-3"± A.G.L.

BOTTOM OF PROPOSED DISCONNECT  
ELEV: 12'-3"± A.G.L.

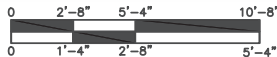
C.L. OF PROPOSED METER  
ELEV: 6'-0"± A.G.L.

EXISTING GRADE  
ELEV: 0'-0" A.G.L.

## ① POLE ELEVATIONS

PROPOSED  
SOUTH VIEW

11"x17" SCALE: 3/16" = 1'-0"  
22"x34" SCALE: 3/8" = 1'-0"



## NOTES:

- CONTRACTOR TO COMPLY WITH ALL FCC AND FAA REGULATIONS ON THIS PROJECT.
- CONTRACTOR SHALL COORDINATE WITH CITY OF DULUTH TRAFFIC (218-730-5200) FOR THE REMOVAL AND REINSTALLATION OF EXISTING SIGNS ON AFFECTED STREET LIGHT POLES.
- PROPOSED EQUIPMENT PAINTED TO MATCH PROPOSED POLE COLOR.
- CONTRACTOR SHOULD REINSTALL EXISTING BANNERS/SIGNS FROM THE EXISTING POLE TO THE PROPOSED POLE.
- ALL AZIMUTHS ARE TRUE NORTH. IF A MAGNETIC COMPASS IS USED MAGNETIC DECLINATION MUST BE TAKEN INTO ACCOUNT WHEN ALIGNING ANTENNAS AND ANTENNA MOUNTS.

PROPOSED DKK OMNI ANTENNA MODEL#  
DKOBYKDP-7R45F MOUNTED ON TOP  
PAINTED BROWN, SEE DETAIL 1/EQ-1

PROPOSED POLE TOP CANTENNA  
SLEEVE, SEE DETAIL 2/EQ-1

PROPOSED LAA RADIO MOUNT (MAFI 4060)  
MOUNTED ON TOP MOUNT EXTENSION  
BRACKET PAINTED BROWN, SEE DETAIL

PROPOSED LAA RADIO (NOKIA AZRA  
B46) MOUNTED ON LAA RADIO  
MOUNT BRACKET PAINTED BROWN,  
SEE DETAIL 2/EQ-2

PROPOSED POLE TOP  
ANTENNA EXTENSION BRACKET,  
SEE DETAIL 2/EQ-1

PROPOSED 45'-0" CLASS  
3 WOOD UTILITY POLE

PROPOSED (12) 3/8" COAX  
JUMPERS MOUNTED UNDER  
A U-GUARD SYSTEM

PROPOSED WEATHER  
HEAD FOR O/H POWER

PROPOSED FIBER JUMPER  
ATTACHED TO POLE

PROPOSED WOOD POLE BRACKET  
BOLTED TO POLE PAINTED BROWN,  
SEE DETAIL 3/EQ-1

PROPOSED RRH (NOKIA 4T4R  
B25/66) MOUNTED ON PROPOSED  
WOOD POLE BRACKET PAINTED  
BROWN, SEE DETAIL 1/EQ-2

PROPOSED (1) CCI PSU  
(PSU-1200W-48-N) MOUNTED ON  
PROPOSED WOOD POLE BRACKET  
PAINTED BROWN, SEE DETAIL  
5/EQ-2

PROPOSED AC DISTRIBUTION BOX & SERVICE  
DISCONNECT (MODEL# PTS90126) WITH (1) 60  
AMP BREAKER PER RADIO PAINTED BROWN, SEE  
DETAIL 3/EQ-2

PROPOSED CUSTODIAN SIGNS & INFORMATION SIGN  
MOUNTED TO FRONT OF AC DISTRIBUTION BOX  
(USID: 227122) WITH , SEE DETAIL 2/E-1

PROPOSED FAULT CURRENT SIGN  
MOUNTED TO FRONT OF AC  
DISTRIBUTION BOX, SEE DETAIL 2/E-1

PROPOSED METER SOCKET (MODEL# U-4801-XL-5T9)  
PAINTED BROWN, SEE DETAIL 4/EQ-2

PROPOSED HANDHOLE TO BE UTILIZED  
FOR POWER (5' AWAY FROM POLE)  
INSTALLED BY OTHERS

PROPOSED HANDHOLE TO BE UTILIZED  
FOR FIBER (15' AWAY FROM POLE)  
INSTALLED BY OTHERS

TOP OF PROPOSED ANTENNA  
ELEV: 41'-10"± A.G.L.  
C.L. OF PROPOSED ANTENNA  
ELEV: 40'-8"± A.G.L.

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EXISTING SECONDARY  
ELEV: 23'-3"± A.G.L.

PROPOSED WEATHERHEAD  
ELEV: 21'-9"± A.G.L.

TOP OF PROPOSED BRACKET  
ELEV: 17'-2"± A.G.L.

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TOP OF PROPOSED PSU  
ELEV: 15'-2"± A.G.L.

BOTTOM OF PROPOSED RADIO  
ELEV: 15'-0"± A.G.L.

BOTTOM OF PROPOSED PSU  
ELEV: 14'-8"± A.G.L.

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ELEV: 14'-3"± A.G.L.

BOTTOM OF PROPOSED DISCONNECT  
ELEV: 12'-3"± A.G.L.

C.L. OF PROPOSED METER  
ELEV: 6'-0"± A.G.L.

EXISTING GRADE  
ELEV: 0'-0" A.G.L.

PROPOSED  
EAST VIEW (LIGHT BEHIND POLE)

**Mastec**  
Network Solutions

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SUITE 101 CARY, NC 27518



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Signature: \_\_\_\_\_  
Date: 11/03/23 License #: 44557

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MINNESOTA PE LICENSE RENEWAL 06/30/2024

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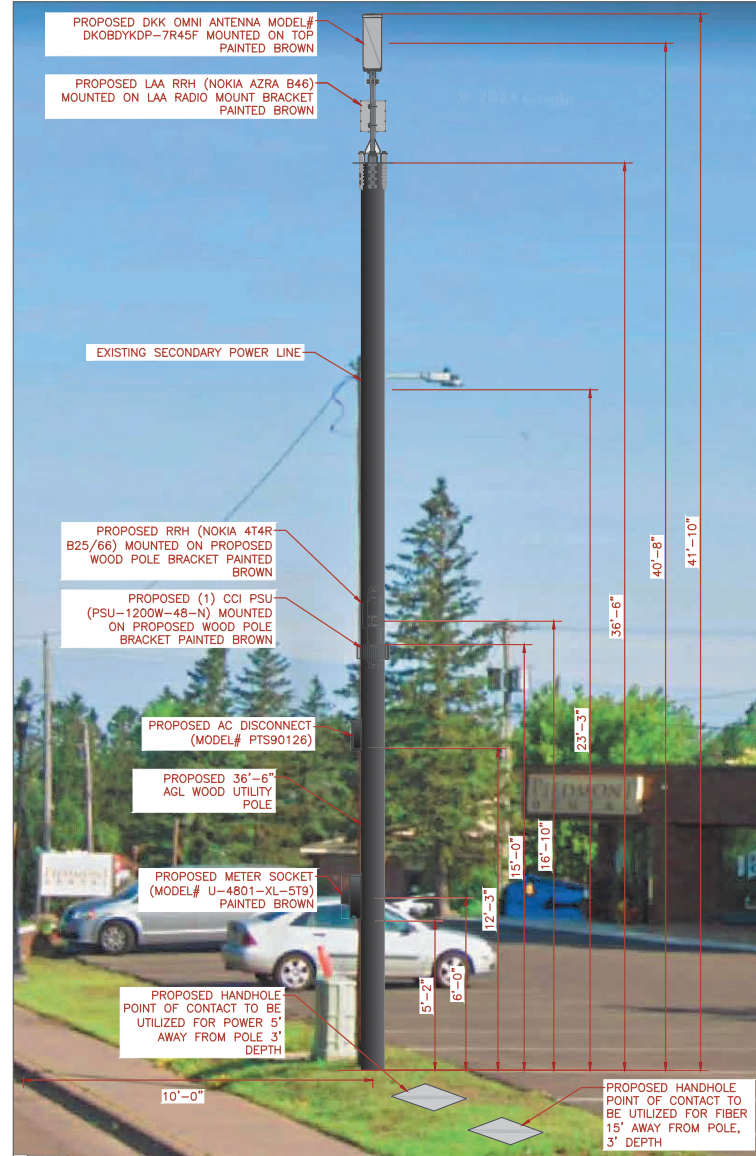
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ELEVATION

C-4



EXISTING NORTH VIEW



PROPOSED NORTH VIEW

ALL EQUIPMENT AND ANTENNA WILL BE PAINTED TO MATCH PROPOSED POLE COLOR.

**Mastec**  
Network Solutions  
1151 SE CARY PARKWAY,  
SUITE 101 CARY, NC 27518

**AT&T**  
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Signature:

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DESIGNED BY: MH DATE: 11/03/23

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PROJECT COORDINATE:  
46.783380°, -92.161600°

PHOTO SIMULATION

SHEET NUMBER:  
PS-1

# 1 SITE LOCATION PHOTOS





EXISTING EAST VIEW



PROPOSED EAST VIEW

ALL EQUIPMENT AND ANTENNA WILL BE PAINTED TO MATCH PROPOSED POLE COLOR.

**Mastec**  
Network Solutions  
1151 SE CARY PARKWAY,  
SUITE 101 CARY, NC 27518



AT&T  
7900 XERVES AVENUE S.  
BLOOMINGTON, MN 55431

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: RAPHAEL MOHAMED

Signature:

Date 11/03/23 License # 44557

MASTEC NETWORK SOLUTIONS  
MINNESOTA PE LICENSE RENEWAL 06/30/2024

MASTEC NETWORK SOLUTIONS, IS REGISTERED IN MN

FOR  
CONSTRUCTION

| SUBMITTALS |          |                 |    |
|------------|----------|-----------------|----|
| REV        | DATE     | DESCRIPTION     | BY |
| A          | 07/31/23 | CD FOR REVIEW   | MN |
| B          | 08/07/23 | CD FOR REVIEW   | MC |
| C          | 08/16/23 | FOR REVIEW      | MC |
| D          | 08/31/23 | FINAL CD        | MN |
| 1          | 11/03/23 | PER LOCATES ADD | MN |

PREPARED BY: MH DATE: 11/03/23

PROJECT NAME:  
CRAN\_RUMW\_GECHL\_007  
PROJECT NUMBER:  
MRUMW025573  
PROJECT ADDRESS:  
2841 PIEDMONT AVENUE  
DULUTH, MN 55811  
PROJECT COORDINATE:  
46.783380, -92.161600

PHOTO SIMULATION

SHEET NUMBER:  
PS-2

# 1 SITE LOCATION PHOTOS