

Planning & Development Division

Planning & Economic Development Department



Room 160 411 West First Street Duluth, Minnesota 55802

File Number	PL 23-210		Contact Chris Lee, c		Chris Lee,	lee@duluthmn.gov	
Туре	Concurrent Use Permit, Wireless Utility on Light Pole		Planning Commission Date		on Date	March 12, 2024	
Deadline	Application Date		January 18, 2	nuary 18, 2024 60 Days		March 18, 2024	
for Action	Date Extension Letter Mailed		January 18, 2	2024	120 Days	May 17, 2024	
Location of Subject Corner of E 2 nd St and N		Corner of E 2 nd St and N 10 th Ave	W, Near 010-3	830-078	340	•	
Applicant	MasTec	MasTec					
Agent			Contact				
Legal Description		N/A					
Site Visit Date		February 27, 2024	Sign Notice Date			ebruary 27, 2024	
Neighbor Letter Date		N/A	Number of Letters Sent		Sent	N/A	

Proposal: The applicant is seeking a concurrent use permit to allow an antenna and equipment on an existing traffic signal, 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.

	Current Zoning	Existing Land Use	Future Land Use Map Designation
Subject	MU-I	Right of Way	Institutional
North	MU-I	Parking Lot	Institutional
South	MU-I	Hospital	Institutional
East	MU-I	Hospital	Institutional
West	MU-I	Mixed-Use	Institutional

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: Institutional: Applicable to medical, university/college, public school, religious, or governmental campuses. Can include adjacent areas that support them, with related commercial and/or office uses, and residential uses in the fringe areas of the district.

This is a companion zoning application to PL 23-203, -204, -205, -206, -207, -208, -210, -211, -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 top of an existing traffic control sign. The existing traffic signal will remain in place and wireless equipment will be placed at 31 to 33 feet, with a radio at 12 feet utilizing an extension to the traffic signal. 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 right-of-way 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 cell 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:

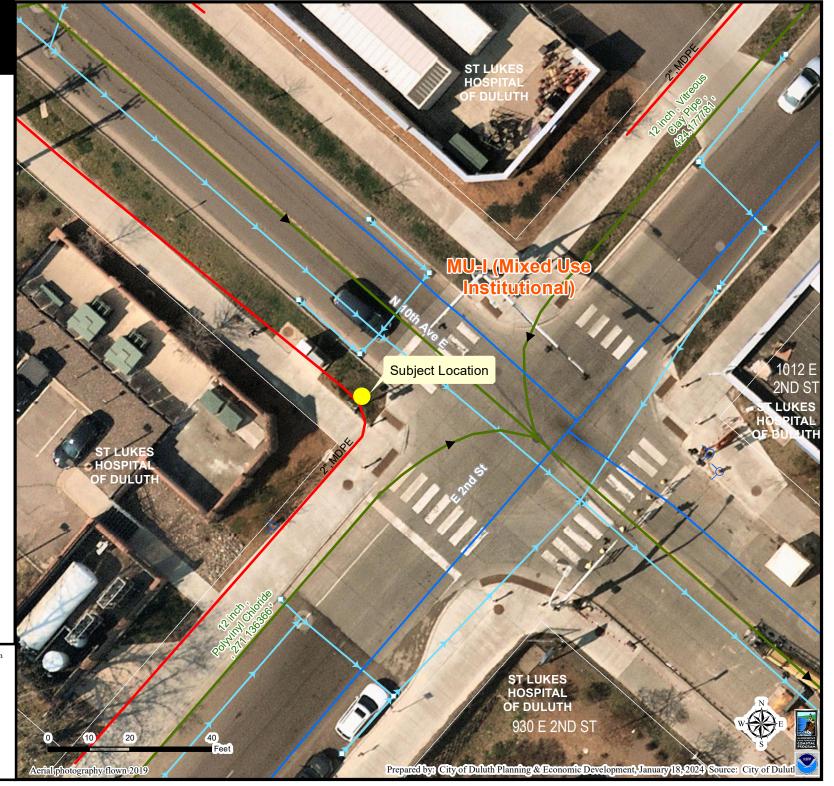
Based on the above findings, Staff recommends that the Planning Commission recommend approval of the concurrent use permit subject to the following conditions:

- 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.



PL23-210 Small Cell CUP 010-3830-07840





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.



PROJECT: MNP_MASTEC_CRAN

SITE NAME: CRAN_DuluthMTSO_DLLND 1

USID: 192435

SKIP ID / NODE#: MNL07005F_R01 PACE NUMBER: MRUMW022381 IWM NUMBER: WS0AR0008190 PTN NUMBER: 3514A0DQS8 FA NUMBER: 14811096

COORDINATES: 46.797834°, -92.088137°

SITE ADDRESS: NORTHWEST CORNER OF N 10TH AVENUE E AND

SHEET #

T-1

C-2 C-3

C-4

EQ-1 EQ-2

EQ-3

EQ-4

EQ-5

EQ-6

E-1 G-1

TC-1

E. 3RD STREET DULUTH, MN 55805

TITLE SHEET SITE PLAN ENLARGED SITE PLAN

AFRIAL MAP

PHOTO SIMULATION PHOTO SIMULATION EQUIPMENT DETAILS

EQUIPMENT DETAILS

EQUIPMENT DETAILS

EQUIPMENT DETAILS

EQUIPMENT DETAILS

EQUIPMENT DETAILS

PLUMBING DIAGRAM ELECTRICAL DETAILS

GROUNDING DETAILS

TRAFFIC CONTROL PLAN GENERAL NOTES

PROPOSED POLE ELEVATIONS

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

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

I nereby 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

Date 11/07/23 License # 44557

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

PROJECT INFORMATION				
PROJECT:	MNP_MASTEC_CRAN			
SITE NAME:	CRAN_DuluthMTSO_DLLND 1			
USID:	192435			
PACE NUMBER:	MRUMW022381			
LATITUDE:	46.797834°			
LONGITUDE:	-92.088137*			
SITE ADDRESS:	NORTHWEST CORNER OF N 10TH AVENUE E AND			
CITY, STATE ZIP:	DULUTH, MN 55805			
COUNTY:	ST. LOUIS			
JURISDICTION:	CITY OF DULUTH			
STRUCTURE TYPE:	TRAFFIC AND PEDESTRIAN LIGHT POLE			
STRUCTURE OWNER:	MINNESOTA POWER			
POLE PART NUMBER:	VALMONT DS210			
GROUND ELEVATION:	683'± A.M.S.L.			
APPLICANT:	AT&T WIRELESS 7900 XERXES AVENUE S. BLOOMINGTON, MN 55431			
SITE ACQUISITION:	HAZEL MAURO — SITE ACQUISITION PROJECT MANAGER HAZEL.MAURO@MASTEC.COM (913) 710—3999			
ENGINEERING SERVICES:	MASTEC NETWORK SOLUTIONS 1151 SE CARY PARKWAY, SUITE 101 CARY, NC 27518 — (972) 581—9888			

SCOPE OF WORK

- REPLACE EXISTING 13'-0" A.G.L. TRAFFIC AND PEDESTRIAN LIGHT POLE WITH NEW 35'-0" A.G.L. TRAFFIC AND PEDESTRIAN LIGHT POLE PAINTED GREY INCLUDING 2' SIDE MOUNTED OMNI ANTENNA
- 2. INSTALL NEW EQUIPMENT BRACKET ON POLE INCLUDING (1) DUAL BAND B25/B66 RRH AND (1) AZRA B46 RADIO WITH (2) PSU PER MANUFACTURER'S SPECIFICATIONS.
- INSTALL METER ON POLE PER MANUFACTURERS SPECIFICATIONS AND PER UTILITY AND

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.



STRUCTURE PHOTO



CODE COMPLIANCE

SHEET INDEX

SHEET TITLE

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

FOR CONSTRUCTION

_			SUBMITTALS			
-1	REV	DATE	DESCRIPTION	BY		
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П	0	10/16/23	FINAL CD	MN		
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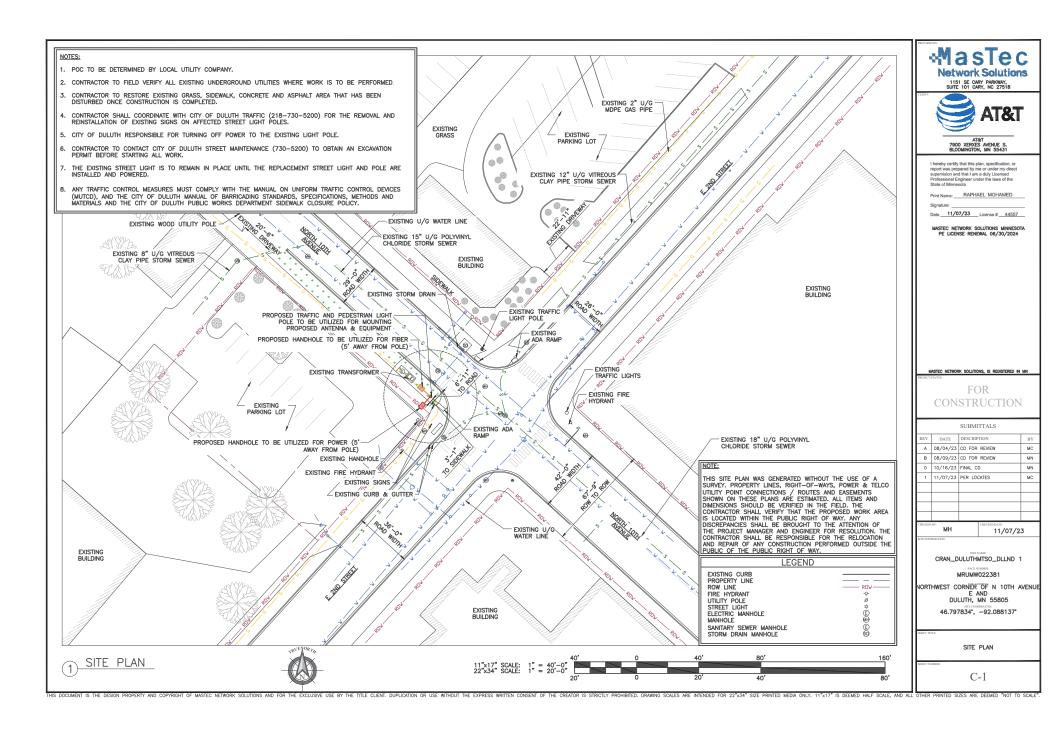
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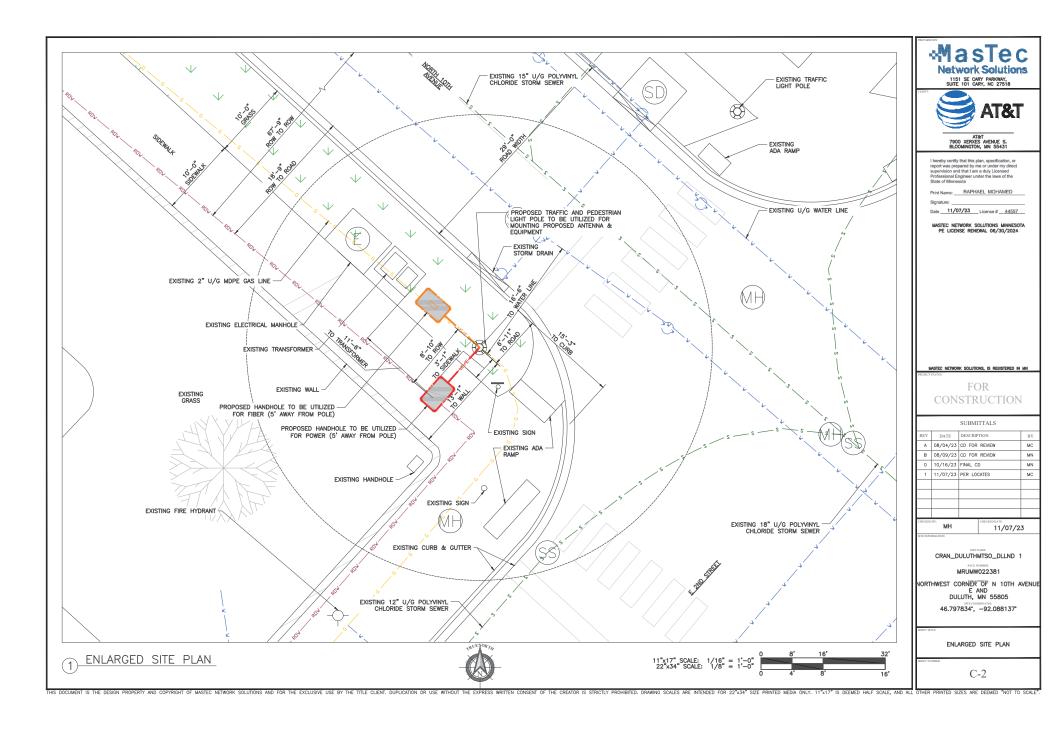
NORTHWEST CORNER OF N 10TH AVENUE E AND DULUTH, MN 55805

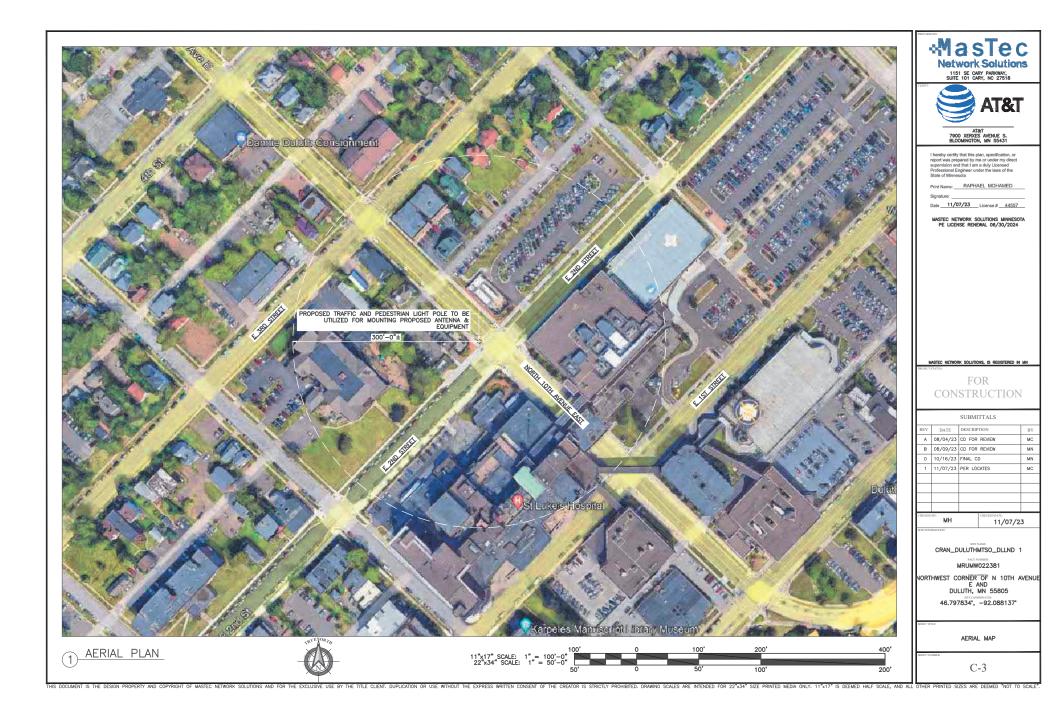
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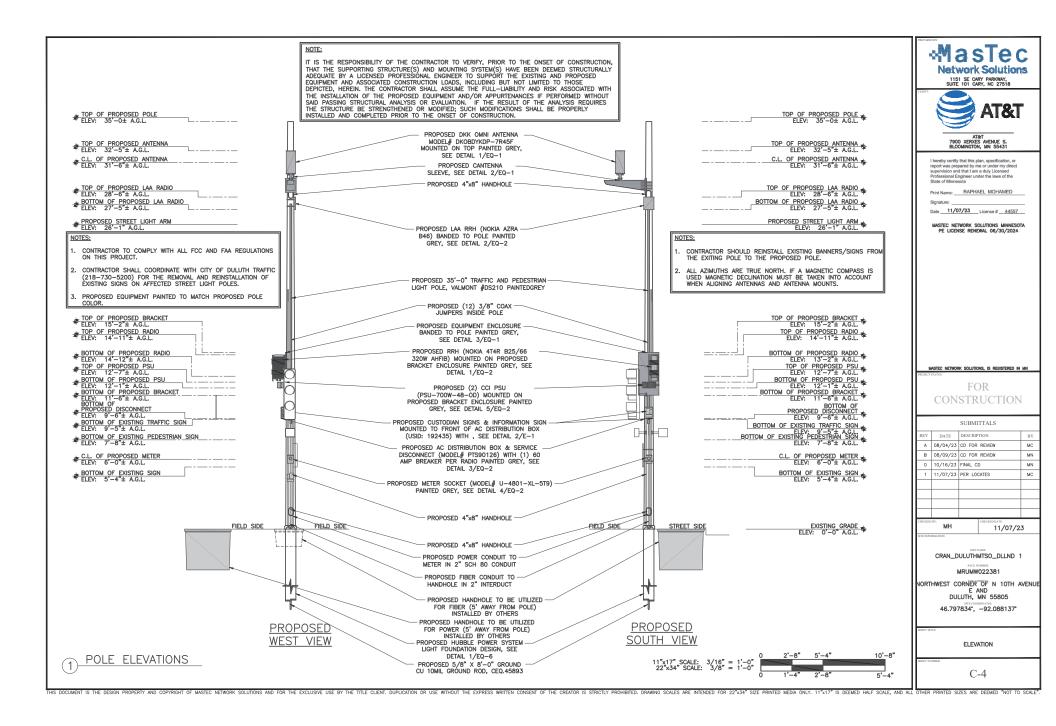
TITLE SHEET

T-1

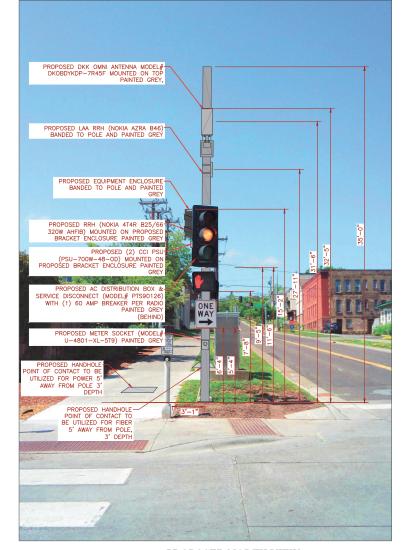












PROPOSED NORTH VIEW

SITE LOCATION PHOTOS

ALL EQUIPMENT, POLE AND ANTENNA WILL BE PAINTED GREY.

*MasTec
Network Solutions
1151 SE CAPP PARKWY,
SUITE 101 CAPP, NO 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:

Date 11/07/23 License # 44557

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

MASTEC NETWORK SOLUTIONS, IS REGISTERED IN MN

FOR CONSTRUCTION

1	11/07/23	PER LOCATES	MC
0	10/16/23	FINAL CD	MN
В	08/09/23	CD FOR REVIEW	MN
Α	08/04/23	CD FOR REVIEW	MC
REV	DATE	DESCRIPTION	BY

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MRUMW022381

NORTHWEST CORNER OF N 10TH AVENUE E AND DULUTH, MN 55805

46.797834°, -92.088137°

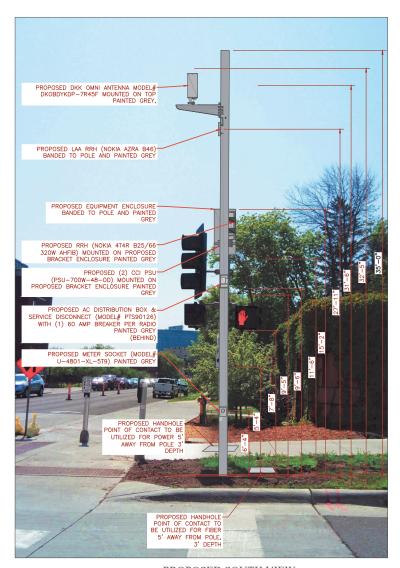
PHOTO SIMULATION

PS-1

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PROPOSED SOUTH VIEW

MasTec
Network Solutions
1151 SE CARY PARKING, NO 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: _

Date 11/07/23 License # 44557

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

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NORTHWEST CORNER OF N 10TH AVENUE E AND DULUTH, MN 55805

46.7978**34°**, -92.0881**37°**

PHOTO SIMULATION

PS-2

ALL EQUIPMENT, POLE AND ANTENNA WILL BE PAINTED GREY.

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