



Staff Report for PLCUP-2606-0011

Application Information:

Application Type: Concurrent Use Permit for Wireless Facility/Micro Site

Location of Subject: Near 827 East 1st Street

Legal Description: 010-3830-04070

Applicant: AT&T

Applicant Contact: n/a

Agent: Teri Clark

Agent Contact: Smartlink LLC

Staff Contact: Chris Lee, clee@duluthmn.gov

Deadline for Action:

Application Date: June 5, 2026

Date Extension Letter Mailed: June 15, 2026

60 Days: August 4, 2026

120 Days: October 3, 2026

Site Visit Date: June 27, 2026

Sign Notice Date: June 30, 2026

Neighbor Letter Date: Not Applicable

Number of Letters Sent: 0

Proposal:

Applicant is seeking a concurrent use permit to install a new wireless microsite to a new pole in the right of way for N 9th Ave E and E 1st St.

Recommended Action:

Staff recommends Planning Commission recommend approval.

Zoning and Land Use:

	Current Zoning	Existing Land Use	Future Land Use Map Designation
Subject	MU-N	Multi- Family Residential	Urban Residential
North	MU-N	Multi- Family Residential	Urban Residential
South	MU-I	Parking Lot	Institutional
East	MU-I	Hospital	Institutional
West	MU-N	Residential	Urban Residential

Summary of Code Requirements:

50-20.4.E. Major utility or wireless telecommunications facility.

Section 50-37.7.C. Concurrent Use Permits: 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):

Future Land Use: Urban Residential: Greatest variety of residential building types, medium to high densities. Applicable to larger infill areas close to downtown, entertainment or activity centers, and waterfront residential areas. May include student housing areas, live/work units, and limited neighborhood retail. Connected or adjacent to parks and open space.

History: Not Applicable.

Review and Discussion Items:

Staff finds:

- 1) Applicant proposes to install a small cell facility at the corner of E 1st St and N 9th Avenue E. The existing light pole at this location is almost 29' tall. The small cell facility will be installed on a replacement 34-foot tall Minnesota Power wooden pole, making the pole 5 feet taller than the existing one. The light fixture will be reinstalled at the same height (27 feet) and wireless equipment will be placed at 34 to 37 feet, with a radio unit at 19 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) Small cell facilities exist to provide cellular services in dense areas where usage is in demand. These facilities are designed to blend into their surroundings.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) Per Minnesota Statutes Section 237.163 the City processes these small cell facilities as concurrent use permits for occupying the right-of-way and, to the extent prohibited by state statute, the use specific standards do not apply.
- 7) 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.
- 8) No other public, agency, or Citizen comments have been received.

Staff Recommendation:

Based on the above findings, Staff recommends that Planning Commission recommend approval of the concurrent use permit with 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 provide annual proof of liability insurance and agree to indemnify the City against any occurrences in the right of way that are due to items covered under this permit.
- 3) 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).
- 4) 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.

Map for PLCUP-2606-0011:



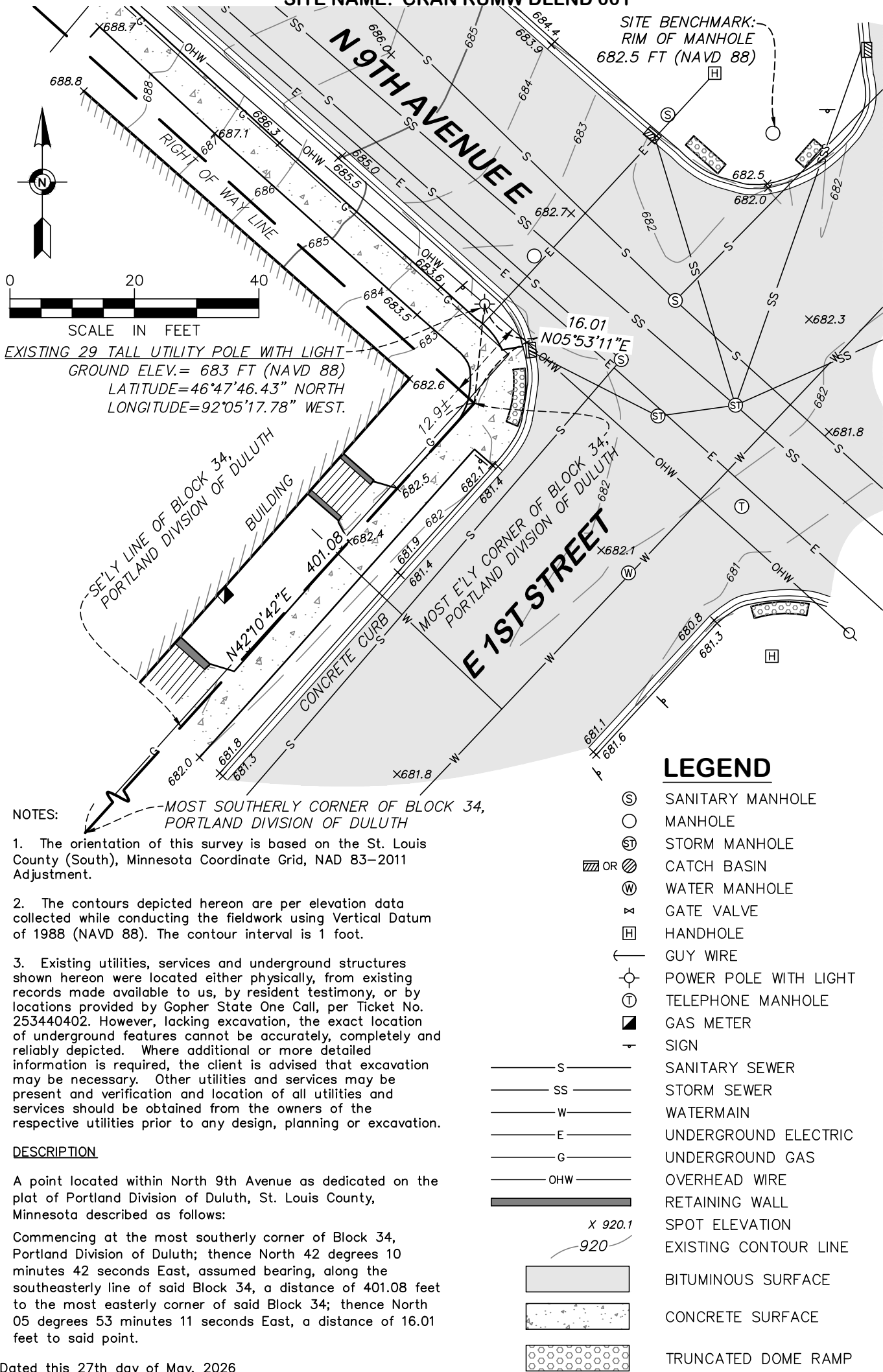
Figure 1. Aerial imagery captured in 2025, showing Parcel #010-3830-04070 with a yellow point to the east of the intersection of East 1st Street and North 9th Avenue East.

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.

SITE LOCATION SURVEY FOR:
 EDGE CONSULTING ENGINEERS, INC.

SITE LOCATION: N 9th Avenue E and E 1st Street, Duluth, Minnesota

SITE NAME: CRAN RUMW DLLND 001



SITE LOCATION SURVEY FOR:

EDGE CONSULTING ENGINEERS, INC.

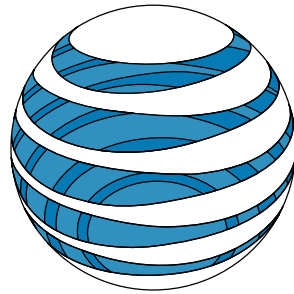
SITE LOCATION: N 9th Avenue E
 and E 1st Street, Duluth, Minnesota



Egan, Field & Nowak, Inc.
 land surveyors since 1872

475 Old Highway 8 NW, Suite 200
 New Brighton, Minnesota 55112
 PHONE: (612) 466-3300
 WWW.EFNSURVEY.COM

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at&t
mobility corp.



smartlink

SITE ID: SIMN002292
SITE NAME: CRAN_RUMW_DLLND_001
FA LOCATION: 14811096
USID: 506285
ADDRESS: 827 EAST FIRST STREET
CITY: DULUTH
STATE: MINNESOTA
STRUCTURE TYPE: WOOD POLE
STRUCTURE OWNER: MINNESOTA POWER

Edge
Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578

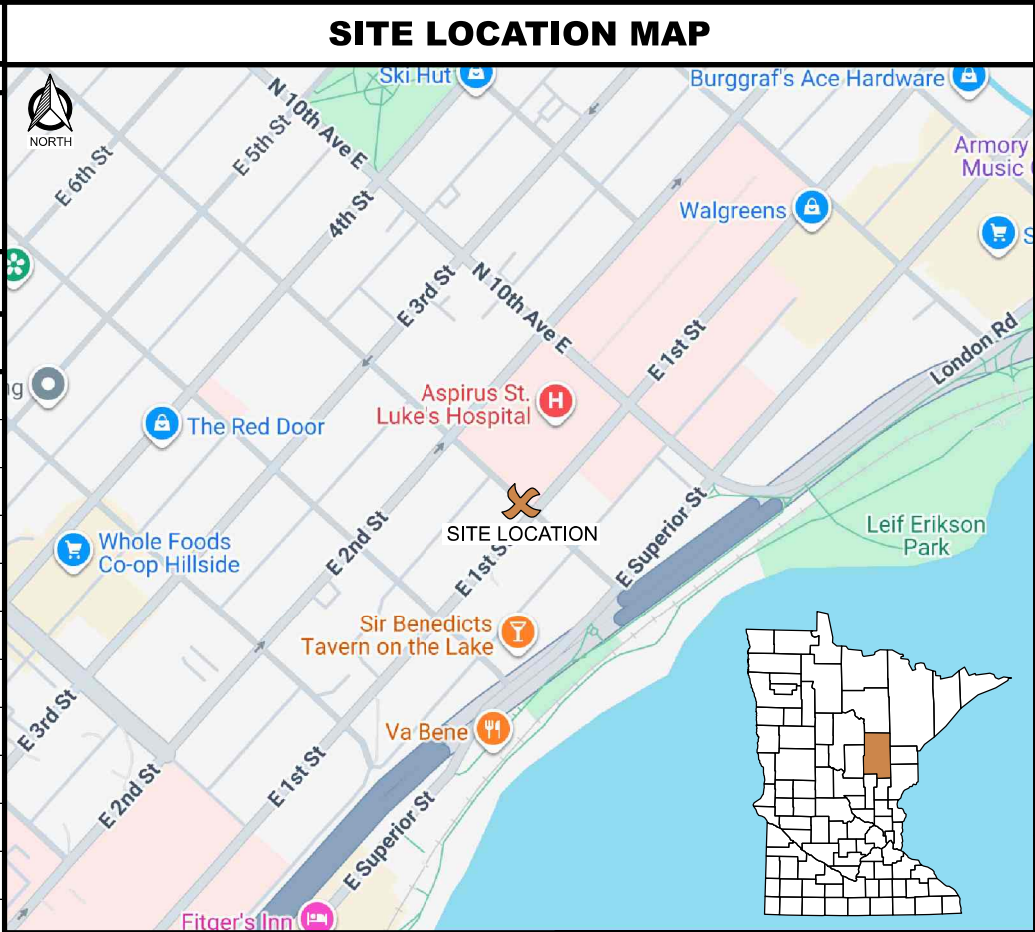
smartlink
10 CHURCH CIRCLE
ANNAPOLIS, MD 21401

at&t
mobility corp.
7900 XERXES AVE. S., 3RD FLR
BLOOMINGTON, MN 55431

ENGINEER SEAL:
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.
SIGNATURE:
TYPED OR PRINTED NAME: OTTO G. DINGFELDER
LIS, NO.: 49720
DATE: 5/26/2026

TITLE SHEET
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

JOB DETAIL		
IWM JOB JUMBER	ORACLE PTN	PRODUCT SUB GROUP
WSUMW0054438 WSUMW0056871	- -	LTE1C - PICO CELL 1SR 5G NR CBAND MICRO NODE
SHEET INDEX		
NO.:	SHEET TITLE	
G-001	TITLE SHEET	
G-002	GENERAL SPECIFICATIONS	
-	SURVEY *	
C-101	SITE PLAN	
T-201	SITE ELEVATION	
T-501	EQUIPMENT SPECIFICATIONS	
T-502	INSTALLATION DETAILS	
P-501	PLUMBING DIAGRAM *	
E-501	UTILITY DETAILS	
E-502	UTILITY DETAILS	
E-503	GROUNDING DETAILS	
R-001	COMPLIANCE LETTER *	
R-002	COMPLIANCE LETTER *	
R-003	COMPLIANCE LETTER *	
R-501	SIGN DETAILS	
	* PROVIDED BY OTHERS	
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS/CONDITIONS ON SITE, IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY WORK OR BE RESPONSIBLE FOR THE SAME.		



SITE LOCATION

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN MINNESOTA, CALL GOPHER STATE ONE CALL
TOLL FREE: 1-800-252-1166
FAX A LOCATE: 1-800-236-4967
MN STATUTE REQUIRES MIN. OF 48 HOURS NOTICE BEFORE YOU EXCAVATE

DIRECTORY

APPLICANT:
AT&T MOBILITY
7900 XERXES AVE. S
3RD FLOOR
BLOOMINGTON, MN 55431
PM: CARL KAHLSTORF
EMAIL: ck168e@att.com
CM: PETER MCENERY
EMAIL: pm753t@att.com

PROJECT MANAGER:
SMARTLINK
10 CHURCH CIRCLE
ANNAPOLIS, MD 21401
PM CONTACT: TERI CLARK
EMAIL: teri.clark@smartlinkgroup.com

ENGINEERING COMPANY:
EDGE CONSULTING ENGINEERS, INC.
624 WATER STREET
PRAIRIE DU SAC, WI 53578
CONTACT: MIKE MLINER
EMAIL: mmliner@edgeconsult.com
PHONE: 608.644.1449

CONSTRUCTION MANAGEMENT:
MASTEC SOLUTIONS
CONTACT: DYLAN DAVIS
EMAIL: dylan.davis@mastec.com
PHONE: 318.505.3307

PROJECT INFO

APPROX. ADDRESS:
827 EAST FIRST STREET
DULUTH, MN 55805
ST. LOUIS COUNTY

SITE COORDINATES:
LATITUDE: 46° 47' 46.43" N (46.796231°)
LONGITUDE: 92° 05' 17.78" W (-92.088272°)
GROUND ELEVATION: 683'

HUB ID:
TBD

SITE ID:
SIMN002292

FA LOCATION:
14811096

USID:
506285

STRUCTURE OWNER:
MINNESOTA POWER
30 W SUPERIOR STREET
DULUTH, MN 55802
CONTACT: JUSTIN REINEKE
EMAIL: Justin.Reineke@ISGInc.com
PHONE: 920.434.2128
POLE ID: M5541081

JURISDICTION:
CITY OF DULUTH

SCOPE OF WORK		
REMOVE (1) WOOD POLE (BY OTHERS) INSTALL (1) WOOD POLE (BY OTHERS) INSTALL (1) ELECTRIC METER (BY OTHERS)		
INSTALL (1) GAMMANU OY9X360F8 ANTENNA - AZIMUTH 0° INSTALL (1) CONCEALFAB 007951 INSTALL (1) CONCEALFAB 900192 MOUNT INSTALL (1) ERICSSON 4471 B66 RRH INSTALL (1) ERICSSON 4461 B77D RRH INSTALL (1) ERICSSON 6308 PSU INSTALL (1) PACIFIC TECHNICAL SOLUTIONS PTS-90126-6E-XXX-P2N DISCONNECT INSTALL (1) ERICSSON SEF 901 376/0642 INSTALL (3) ERICSSON SEF 901 377/2 EQUIPMENT MOUNTS INSTALL NEW FIBER, DC POWER, AND COAX CABLES		

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0
CHECKED BY:	MJM	
EDGE SITE ID	TBD	
EDGE PROJ. #	44855	
SET TYPE	PRELIM	
SHEET NUMBER	G-001	

14480044855-Design\CADD\CD\Plan\G-002.dgn

GENERAL CONSTRUCTION NOTES:

1.

THE EXISTING TOPOGRAPHY AND VERTICAL GEOMETRY REPRESENTED ON THESE DRAWINGS IS TO BE VERIFIED BY CONTRACTOR. CONTRACTOR SHALL CONTACT UTILITY LOCATE SERVICES A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION TO IDENTIFY THE EXISTENCE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES. CONTRACTOR IS TO IMMEDIATELY NOTIFY ENGINEER OF DISCREPANCIES OR INTERFERENCE THAT WILL EFFECT THIS PROJECT. EXISTING UTILITIES SHALL BE PROTECTED AND REPAIRED O THE CONTRACTORS EXPENSE IF DAMAGED, EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRIVING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
2.

DAMAGE TO THE EXISTING FACILITY SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE.
3.

EXISTING INACTIVE UTILITIES, WHICH PROHIBIT CONSTRUCTION, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AS REQUIRED TO ALLOW CONSTRUCTION TO CONTINUE, COORDINATE WITH PROJECT MANAGER, OWNER, AND /OR LOCAL UTILITY COMPANIES FOR APPROVAL.
4.

CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER OF THE CONSTRUCTION START WELL IN ADVANCE (MIN. 1 WEEK) OF THE CONSTRUCTION DATE.
5.

PROVIDE LABOR, MATERIAL, TOOL..5, EQUIPMENT, TRANSPORTATION AND TEMPORARY POWER SERVICES NECESSARY FOR, AND INCIDENTAL TO COMPLETION OF WORK AS INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN.
6.

THE CONTRACTOR SHALL FURNISH AND INSTALL MATERIALS AS REQUIRED FOR COMPLETE SYSTEMS, INCLUDING PARTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, WHETHER SPECIFICALLY INDICATED OR NOT. SYSTEMS SHALL BE COMPLETELY ASSEMBLED, TESTED, ADJUSTED AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO OWNER'S ACCEPTANCE.
7.

THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER REQUIRED PERMITS, CERTIFICATES OF INSPECTION, INCLUDING UTILITY CONNECTION FEES, ETC. REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. DELIVER CERTIFICATES TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
8.

THE CONTRACTOR SHALL MAINTAIN BENCHMARKS, CONSTRUCTION STAKING, AND OTHER ELEVATION CONTROL POINTS AND SHALL REESTABLISH, IF DISTURBED OR DESTROYED, AT NO ADDITIONAL COST TO THE OWNER.
9.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND OR RESTORATION OF DAMAGE TO THE EXISTING ACCESS ROADWAY AND ADJACENT SITE AREAS AS A RESULT OF USE DURING CONSTRUCTION AS FURTHER SPEaFIED IN THE RESTORATION 110N NOTES BELOW UPON COMPLETION OF WORK AT THE EXPENSE OF THE CONTRACTOR.
10.

THE CONTRACTOR SHALL REMOVE WASTE, DEBRIS AND TRASH FROM SITE AND DISPOSE OF IN A LEGAL MANNER ON A DAILY BASIS.
11.

CONTRACTOR SHALL COORDINATE THE CONSTRUCTION STAGING AREA AND PARKING WITH THE PROPERTY OWNER PRIOR TO THE CONSTRUCTION START DATE.
12.

THE CONTRACTOR SHALL NOT INTERFERE w/ THE NORMAL OPERATIONS. ACCESS TO THE WORK AREA SHALL BE AS DIRECTED BY THE FACILITY'S OWNER.
13.

THE CONTRACTOR SHALL CONFINE THEIR OPERATIONS TO THE DESIGNATED AREAS AND SHALL KEEP THE CONSTRUCTION AREA CLEAN. AISLES AND PATHWAYS SHALL BE KEPT UNOBSTRUCTED.
14.

THE CONTRACTOR SHALL COORDINATE THE WORK OF VARIOUS TRADES SO AS TO INSURE PROPER SEQUENCING AND INSTALLATION.
15.

WORK PERFORMED UNDER THIS CONTRACT SHALL BE DONE IN STRICT ADHERENCE TO ALL LOCAL, STATE AND FEDERAL CODES AND BEST PRACTICES. THIS SHALL INCLUDE SAFETY, ENVIRONMENTAL, TRAFFIC, CONSTRUCTION, RESTORATION, AND OTHER CODES AND STATUTES THAT GOVERN SPECIFIC ACTIVITIES.
16.

TRAFFIC CONTROL ON ALL COUNTY AND STATE HIGHWAY RIGHT-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND REQUIREMENT OF THE STATE AND ANY OTHER LOCAL AGENCY HAVING JURISDICTION.
17.

POLYETHYLENE PIPE WILL BE IN ACCORDANCE WITH AWWA STANDARD C 906 FOR POLYETHYLENE PRESSURE PIPE AND FITTINGS. POLYETHYLENE PIPE SHALL BE SDR 11 PE-3408 WITH O.D. EQUAL TO DUCTILE IRON PIPE.

ELECTRICAL NOTES:

1.

WORK UNDER THIS CONTRACT SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE MUNICIPAL, STATE, AND LOCAL ELECTRICAL CODES THAT GOVERN EACH PARTICULAR TRADE AND THE NATIONAL ELECTRICAL CODE (LATEST EDITION).
2.

THE CONTRACTOR SHALL EXAMINE DRAWINGS AND SHALL INSPECT THE EXISTING CONDITIONS OF THE SITE. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.
3.

THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL INSTALLATIONS. DETAILS OF PROPOSED DEPARTURES DUE TO ACTUAL FIELD CONDITIONS OR OTHER CAUSES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION. REWORK OF COMPLETED ITEMS DUE TO IMPROPER FIELD COORDINATION SHALL BE AT THE CONTRACTOR'S EXPENSE.
4.

PROVIDE SUFFICIENT ACCESS AND CLEARANCE FOR ITEMS OR EQUIPMENT REQUIRING SERVICING AND MAINTENANCE.
5.

THE CONTRACTOR SHALL PREPARE THREE (3) COPIES OF A RECORD AND INFORMATION BOOKLET. THE BOOKLET SHALL BE BOUND IN A THREE RING LOOSE-LEAF BINDER AND INCLUDE ALL ITEMS OF ELECTRICAL EQUIPMENT.
6.

UPON COMPLETION OF THE ELECTRICAL INSTALLATION, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS OF THE ELECTRICAL CONTRACT DRAWINGS WHICH SHALL BE LEGIBLY MARKED IN RED TO SHOW ALL CHANGES AND DEPARTURES OF THE INSTALLATIONS COMPARED WITH THE ORIGINAL DESIGN. THEY SHALL BE SUITABLE FOR USE IN PREPARATION OF RECORD DRAWINGS.
7.

GUARANTEE: NEW ELECTRICAL INSTALLATIONS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR BEGINNING THE DAY OF THE FINAL ACCEPTANCE OF THE WORK OR BENEFICIAL OCCUPANCY OF THE OWNER, WHICHEVER OCCURS FIRST. THE ABOVE SHALL NOT IN ANY WAY VOID OR ABROGATE EQUIPMENT MANUFACTURER'S GUARANTEE OR WARRANTY. CERTIFICATES OF GUARANTEE SHALL BE DELIVERED TO THE OWNER, UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE ELECTRICAL INSTALLATION DURING THE GUARANTEE PERIOD, NEW REPLACEMENT PARTS SHALL BE FURNISHED AND INSTALLED PROMPTLY AND AT NO COST TO OWNER.
8.

ELECTRICAL WORK WHICH WILL INTERFERE WITH THE NORMAL USE OF THE ELECTRICAL SYSTEM IN ANY MANNER SHALL BE DONE AT SUCH TIME OR TIMES AS SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE U.S. CELLULAR CONSTRUCTION MANAGER.
9.

MOUNTING AND SUPPORTING OF EQUIPMENT PROVIDED BY THIS CONTRACTOR SHALL BE COORDINATED WITH U.S. CELLULAR CONSTRUCTION MANAGER IN THE FIELD.

CONDUIT AND BOXES NOTES:

1.

CONDUIT BELOW GRADE SHALL BE SCHEDULED 40 PVC UNLESS NOTED OTHERWISE.
2.

BOXES (WHETHER OUTLET, JUNCTION, PULL, OR EQUIPMENT) SHALL BE FURNISHED WITH APPROPRIATE COVERS.
3.

NO SECTIONALIZED BOXES SHALL BE USED.
4.

EMT CONDUIT FITTINGS SHALL BE COMPRESSION TYPE.
5.

FIELD CUTS OR GALVANIZED ITEMS SHALL BE BRUSHED WITH MARINE GRADE GALVANIZING.
6.

METALLIC OBJECTS EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

RESTORATION NOTES:
(CONSTRUCTION IN RIGHT-OF-WAYS)

1.

ANY OPEN ROAD CUT REQUIRES PRIOR APPROVAL OF THE CITY, COUNTY, STATE OR ANY OTHER AGENCY WHICH MAY HAVE JURISDICTION.
2.

ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LOCAL JURISDICTION REQUIREMENTS, SPECIFICATIONS AND STANDARDS.
3.

THE CONTRACTOR SHALL INSTALL APPROVED EROSION CONTROL MEASURES AND COMPLY WITH ALL RULES AND REGULATIONS OF THE STATE, COUNTY OR CITY AUTHORITIES REGARDING CLOSING OR RESTRICTING THE USE OF PUBLIC STREETS OR HIGHWAYS. STREETS MUST BE OPENED TO TRAFFIC BY THE END OF THE BUSINESS DAY DURING CONSTRUCTION.
4.

CONTRACTOR SHALL INSTALL BLACK DIRT AND PREMIUM TOP SOIL PRIOR TO SEEDING AND FERTILIZING REPAIRED AREAS IF SOD IS NOT INSTALLED. ALSO INSTALL STRAW MAT OR A COCOA MAT OVER THE BLACK DIRT TO PREVENT SURFACE EROSION.
5.

CONTRACTOR SHALL MINIMIZE DRIVING ON THE RIGHT-OF-WAY AND UTILIZE LANE CLOSURES WHENEVER POSSIBLE TO MINIMIZE DAMAGE AND NEED FOR RESTORATION.
6.

CONTRACTOR SHALL SET VAULT TOPS TO BE LEVEL WITH FINISHED GRADE AND NOT INTERFERE WITH MOWING OPERATIONS OR CREATE TRIPPING HAZARDS.
7.

AFTER COMPLETION OF THE NODE INSTALLATION ALL AREA IN EXISTING RIGHT-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE RESTORED EQUAL TO OR BETTER THAN ORIGINAL CONDITION, WHICH MAY INCLUDE THE INSTALLATION OF SOD, AND BE TO THE SATISFACTION OF THE PERMITTING AGENCY WITHIN A 7-DAY PERIOD OR LESS IF DICTATED BY THE LOCAL JURISDICTION.
8.

STREET OR HIGHWAY RESTORATION SHALL BE DONE AS PER LOCAL OR STATE AGENCY HAVING JURISDICTION.
9.

THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE STATE, COUNTY OR CITY AUTHORITIES REGARDING CLOSING OR RESTRICTING THE USE OF PUBLIC STREETS OR HIGHWAYS. STREETS MUST BE OPENED TO TRAFFIC BY THE END OF THE BUSINESS DAY.

MPLS EMERGENCY NOTES:

AT&T WIRELESS SMALL CELL MAINTENANCE AND EMERGENCY RESPONSE PLAN:

1.

AT&T WIRELESS HAS A STAFFED NETWORK OPERATIONS CENTER (NOC) THAT OPERATES 24x7x365, ALL ELECTRONICS INSTALLED WILL BE MONITORED REMOTELY BY THE NOC 24 7 FOR PERFORMANCE AND ALARMS. ALL ISSUES CAN BE REPORTED TO THE NOC, ANY ISSUES REPORTED ILL BE DISTRIBUTED TO THE RESPONSIBLE LOCAL TECHNICIAN(S). THE NOC IS ALSO RESPONSIBLE FOR ESCALATION AND FOLLOW-UP OF ALL ISSUES REPORTED TO ENSURE THEY ARE ADDRESSED IN A TIMELY FASHION, IF NEEDED THEY CAN BE UTILIZED TO ESCALATE AN ISSUE. THE AT&T WIRELESS NOC CAN BE REACHED @ 800-264-6620, PLEASE HAVE THE NODE NAME OR THE LOCATION OF THE ISSUE WHEN CALLING. A BACKUP PLAN WILL BE ESTABLISHED WITH THE LOCAL CONTACTS WITHIN THE CITY OF MINNEAPOLIS AND LOCAL AT&T WIRELESS REPRESENTATIVES FOR 8-5 BUSINESS NEEDS AND OTHER ESCALATION OPTIONS UPON START OF CONSTRUCTION FOR THE ATTACHMENTS.
2.

AT&T WIRELESS TECHNICIANS AND CONTRACTORS ARE TO RESPOND WITHIN ONE HOUR OF RECEIVING REPORT OF ISSUE. AT&T WIRELESS HAS MULTIPLE LOCAL TECHNICIANS AND CONTRACTORS TO UTILIZE AND EMERGENCIES ARE OUR TOP PRIORITY, DEPENDING ON CIRCUMSTANCES (WEATHER, TECHNICIAN AVAILABILITY AND OTHER OUTAGES) ONSITE ARRIVAL TIMEFRAME CAN BE EXTENDED TO UP TO FOUR HOURS.
3.

MAINTENANCE ON THE POLE ATTACHMENTS IS MINOR, VISUAL CHECKS OF THE EQUIPMENT WILL HAPPEN QUARTERLY WITH ANY MAINTENANCE TO THE ATTACHMENT BEING SCHEDULED ON AN AS NEEDED BASIS.

AT&T WIRELESS SMALL CELL GRAFFITI MITIGATION PLAN:

1.

AT&T WIRELESS WILL RESPOND PER MAINTENANCE, OUTAGE AND RESPONSE PLAN TO ANY GRAFFITI TO ITS EQUIPMENT WITHIN 24 HOUR OF NOTIFICATION AND RECTIFY THE GRAFFITI WITHIN THIS TIMEFRAME. REMOVAL OF THE GRAFFITI WILL BE THE FIRST COURSE OF ACTION, IF NOT REMOVABLE IT WILL BE PAINTED OVER TO MATCH THE ORIGINAL COLOR OF THE EQUIPMENT.



Edge
Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578



10 CHURCH CIRCLE
ANNAPOLIS, MD 21401



7900 XERXES AVE. S., 3RD FLR
BLOOMINGTON, MN 55431

ENGINEER SEAL:

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SIGNATURE: 

TYPED OR PRINTED NAME: OTTO G. DINGFELDER

LIS, NO.: 49720

DATE: 5/26/2020

GENERAL SPECIFICATIONS
CRAN RUMW DLLND 001
DULUTH, MINNESOTA

SUBMITTAL:

INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0

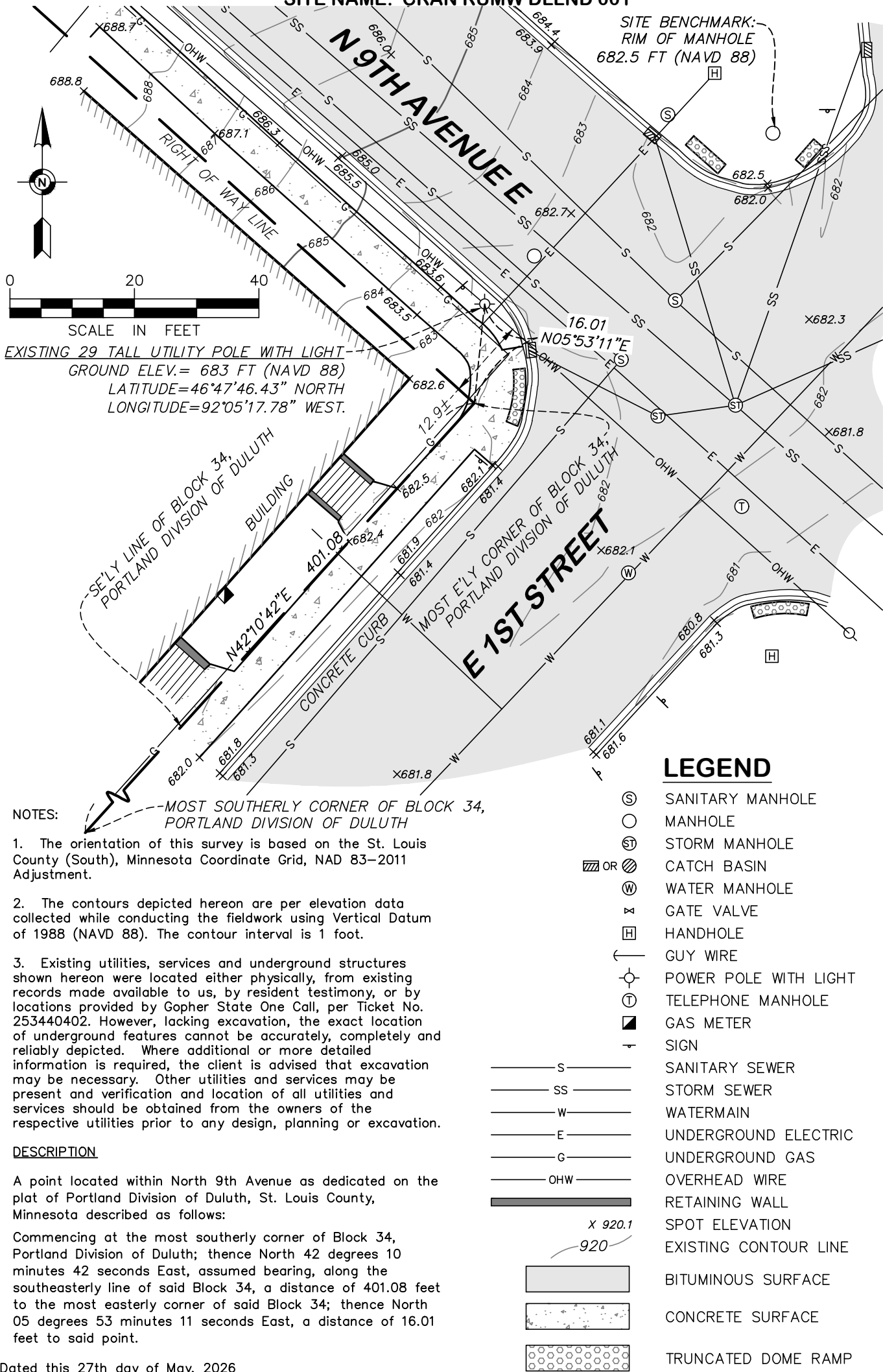
CHECKED BY	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM
SHEET NUMBER	G-002

© EDGE CONSULTING ENGINEERS, INC.

SITE LOCATION SURVEY FOR:
EDGE CONSULTING ENGINEERS, INC.

SITE LOCATION: N 9th Avenue E and E 1st Street, Duluth, Minnesota

SITE NAME: CRAN RUMW DLLND 001



SITE LOCATION SURVEY FOR:

EDGE CONSULTING ENGINEERS, INC.

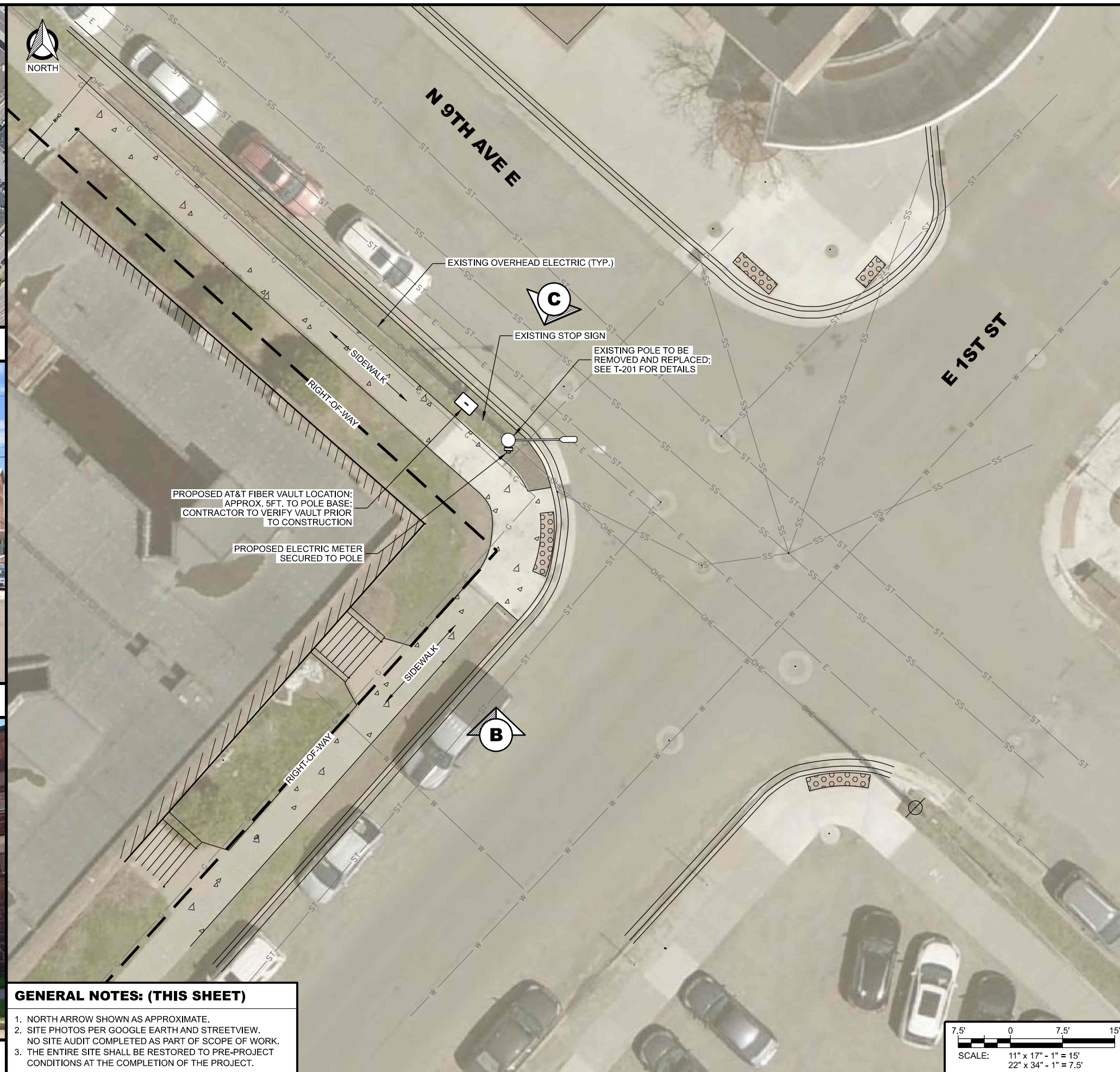
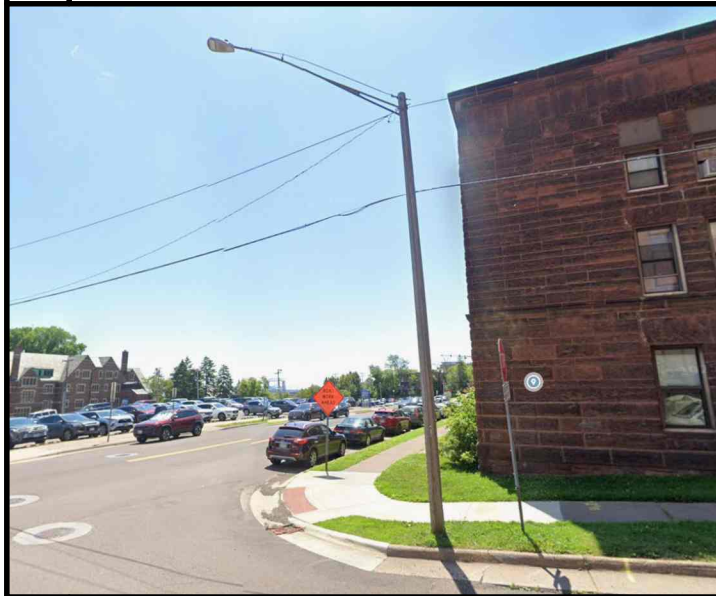
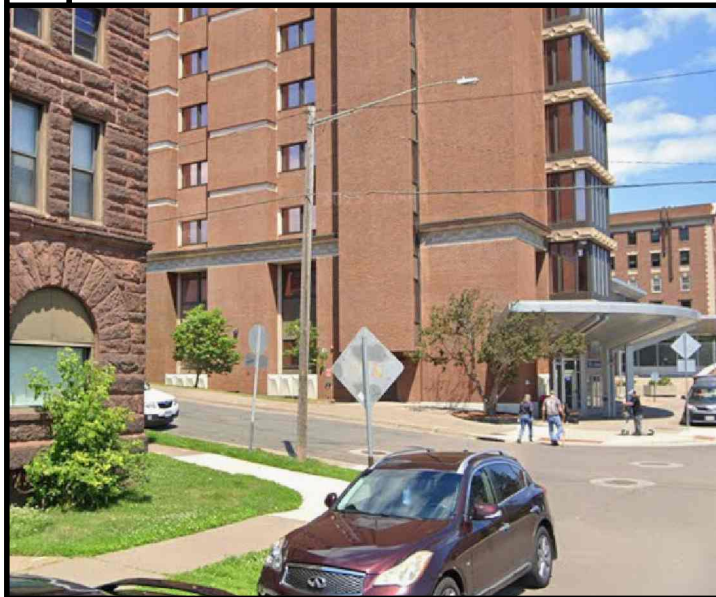
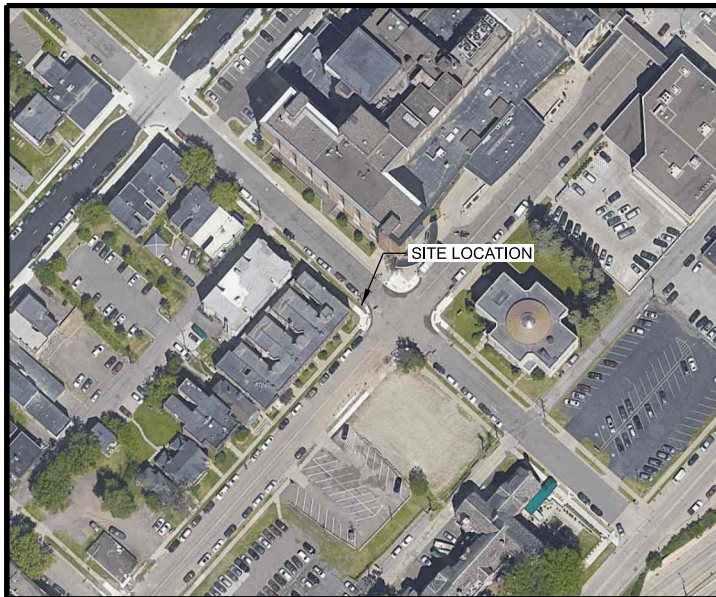
SITE LOCATION: N 9th Avenue E
and E 1st Street, Duluth, Minnesota



Egan, Field & Nowak, Inc.
land surveyors since 1872

475 Old Highway 8 NW, Suite 200
New Brighton, Minnesota 55112
PHONE: (612) 466-3300
WWW.EFNSURVEY.COM

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GENERAL NOTES: (THIS SHEET)

1. NORTH ARROW SHOWN AS APPROXIMATE.
2. SITE PHOTOS PER GOOGLE EARTH AND STREETVIEW.
NO SITE AUDIT COMPLETED AS PART OF SCOPE OF WORK.
3. THE ENTIRE SITE SHALL BE RESTORED TO PRE-PROJECT
CONDITIONS AT THE COMPLETION OF THE PROJECT.



Edge
Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578



10 CHURCH CIRCLE
ANNAPOLIS, MD 21401



at&t
mobility corp.

7900 XERXES AVE. S., 3RD FLR
BLOOMINGTON, MN 55431

ENGINEER SEAL:

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.

SIGNATURE: [Signature]

TYPED OR
PRINTED NAME: OTTO G.
DINGFELDER

LIS.NO.: 49720

DATE: 5/26/2020

SITE PLAN

CRAN_RUMW_DLLND_001

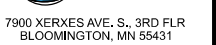
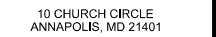
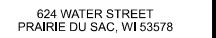
DULUTH, MINNESOTA

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0

CHECKED BY	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM

SHEET
NUMBER

1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
3. LIGHTNING RODS SHALL BE INCLUDED WHERE REQUIRED.
4. ALL HEIGHTS ARE LISTED ABOVE GRADE LEVEL (A.G.L.).



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DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA.

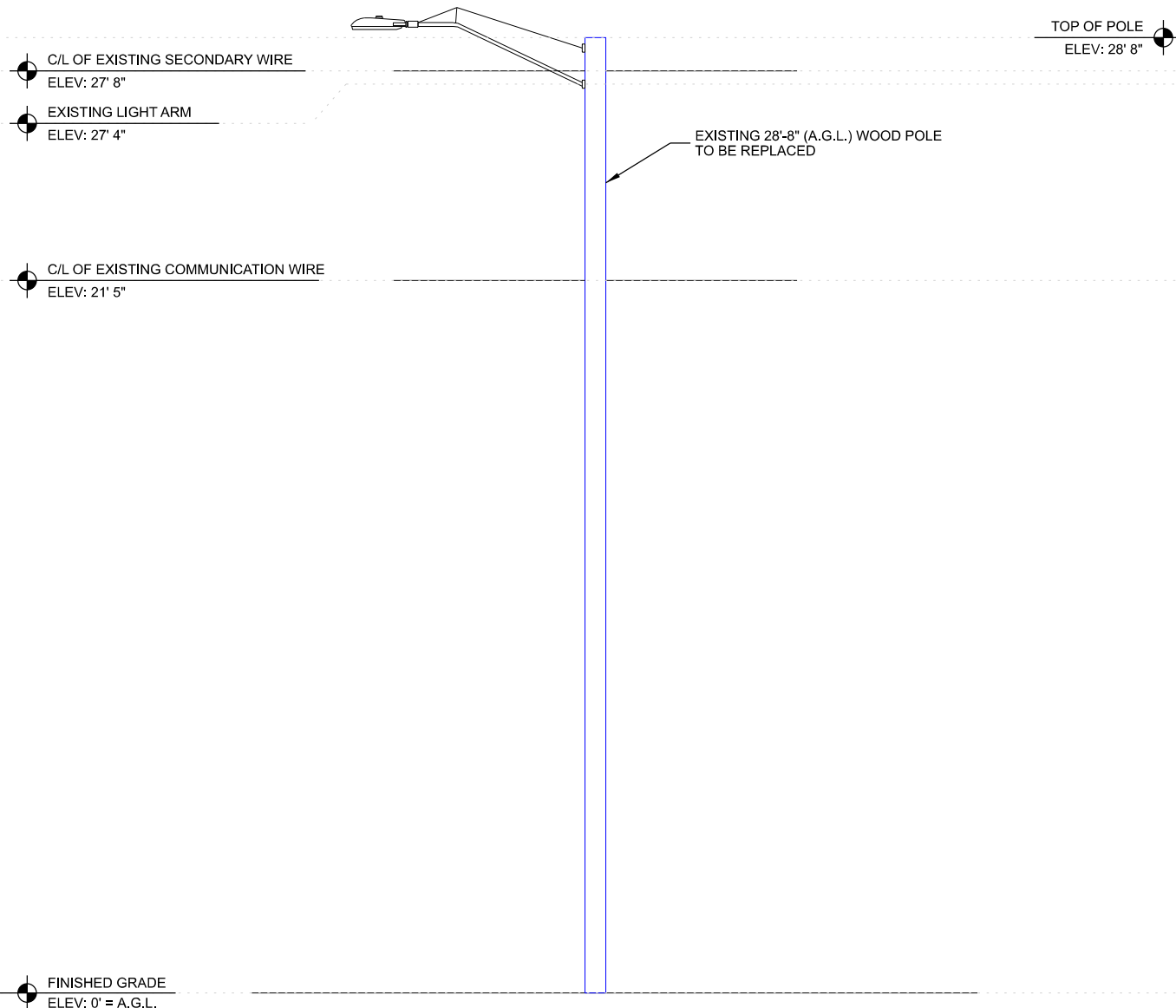
PRINTED OR
PRINTED NAME: OTTO G.
DINGFELDER

DATE: 5/26/2026

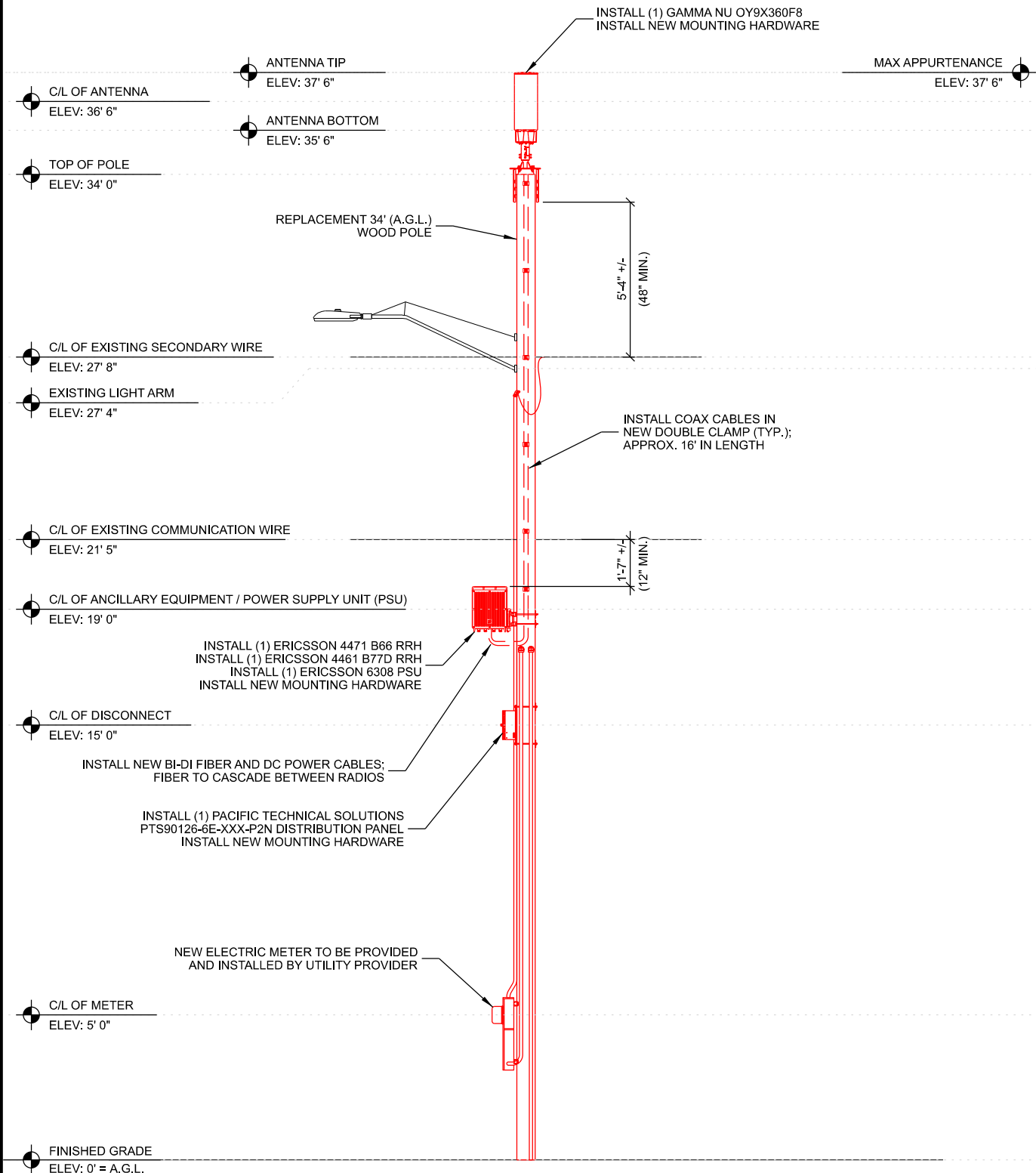
SITE ELEVATION
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

[illegible]

CHECKED BY	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM
SHEET NUMBER	T-201



A EXISTING ELEVATION



B PROPOSED ELEVATION

[illegible]

Technical drawing of the antenna assembly. The main body is a cylinder with a diameter of $\varnothing 9.45"$ and a height of 23.6". The base is 5" high. The top part is labeled "ANTENNA" with an arrow pointing to the top surface. The bottom part is labeled "ANTENNA" with an arrow pointing to the base structure.

Technical drawing of a rectangular object, likely a component of a machine. The drawing shows a top-down view with dimensions 10.3" (width) and 13.9" (height). The object has a textured surface with vertical lines and a small central feature.



A cross-sectional diagram of a roof assembly. It shows a concrete slab at the base, followed by a layer of insulation, and a metal roof deck on top. Two fasteners are shown securing the metal deck to the insulation layer.

Technical drawing of a rectangular panel. The dimensions are 10.6" (width) and 16.1" (height). The panel features a grid of vertical lines and a horizontal line near the top edge.

DATE: 5/26/2026

CHECKED BY	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM
SHEET NUMBER	T-501

Technical drawing of the front view of the chair. The drawing shows a rectangular frame with vertical slats. The height is labeled as 18.8" and the width is labeled as 13.5".

PLAN VIEW

THIS SPACE INTENTIONALLY LEFT BLANK

© EDGE CONSULTING ENGINEERS, INC.



FITS 2" (2 $\frac{7}{8}$ " O.D.) MOUNTING POST



ISOMETRIC VIEW



EXPLODED VIEW

ERICSSON GEN2 RAIL/BRACKET ASSEMBLY

(1) CEQ.57214 & (3) CEQ.57212



INSTALLATION DETAILS
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

CHECKED BY	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM
SHEET NUMBER	T-502

Plumbing Diagram

Page 1 of 1



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ENGINEER UNDER THE LAWS OF
THE STATE OF MINNESOTA.

SIGNATURE: Q

TYPED OR
PRINTED NAME: OTTO G.
DINGFELDER

LIS.NO.: 49720

DATE: 5/21

PLUMBING DIAGRAM
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

SUBMITTAL:

INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0

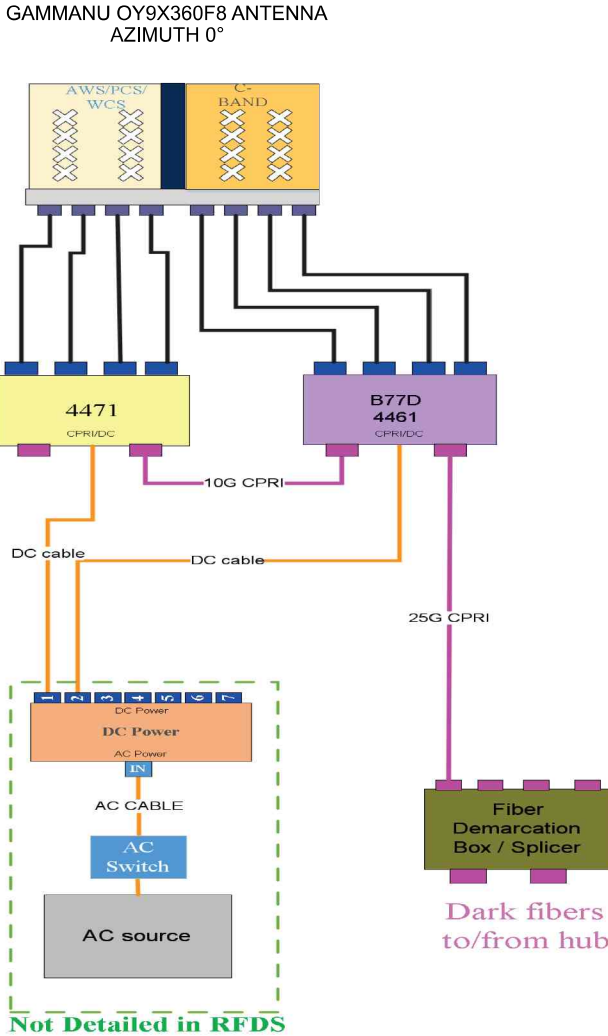
CHECKED BY	MJM
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EDGE SITE ID	TBD
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EDGE PROJ. #	44855
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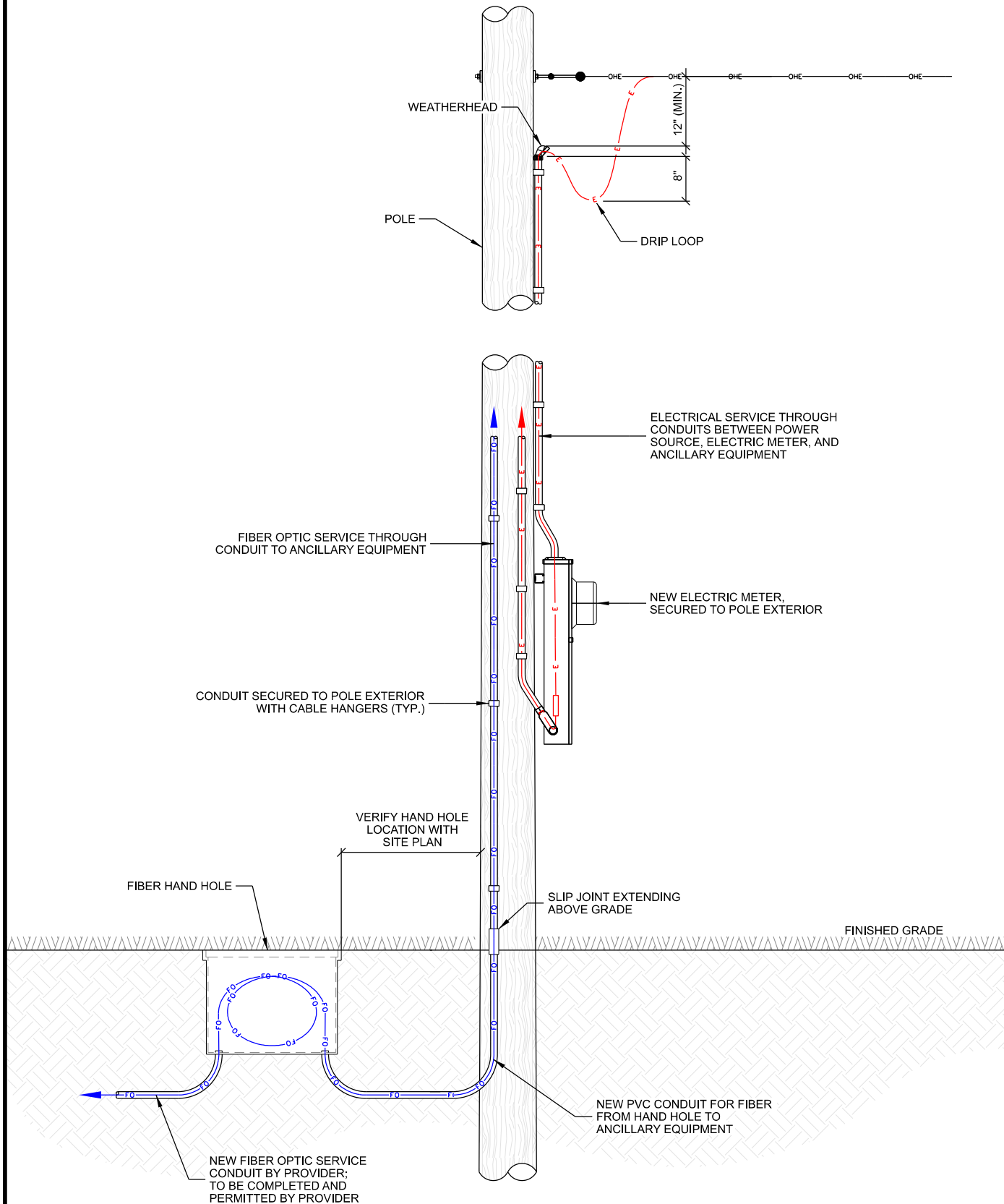
SET TYPE	PRELIM
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SHEET NUMBER	P-501
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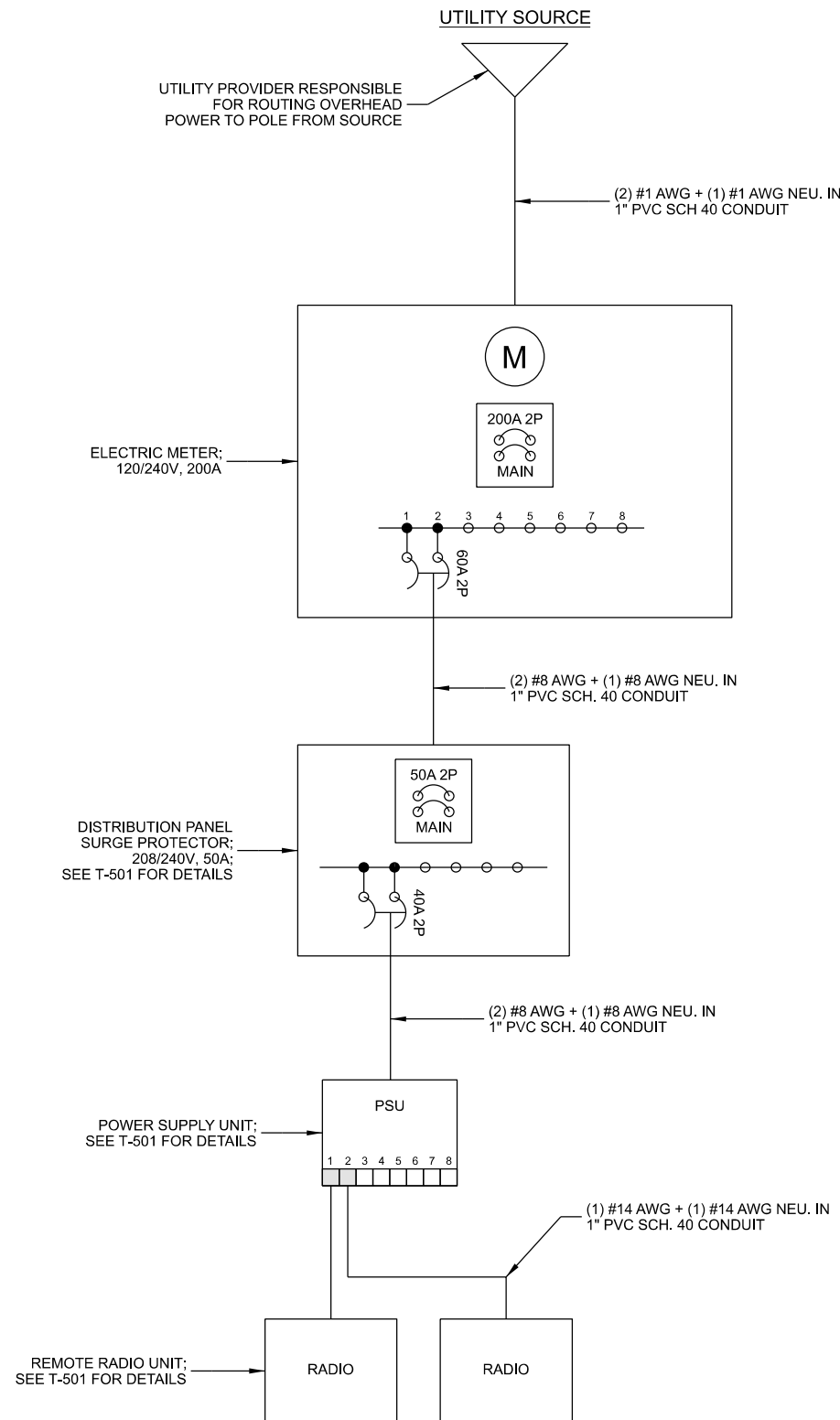


I:\44800\44855\Des\gn\CAD\CD\Plot\P-501.dgn

P:\44800\44855\Drawings\CADD\CD\Phone-E-501.dgn



A RISER DIAGRAM



- NOTES:
1. ELECTRICAL CONTRACTOR TO VERIFY ELECTRICAL ROUTING WITH UTILITY COMPANY ON-SITE.
 2. VERIFY ELECTRICAL SOURCE VOLTAGE WITH MUNICIPAL UNMETERED DESIGN SPECIFICATION (SITE-SPECIFIC), AVAILABLE FROM CONSTRUCTION ENGINEER.
 3. THE GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL REQUIRED CONDUCTOR AND CONDUIT SIZES DURING THE BIDDING PROCESS.
 4. PROVIDE ALL SERVICE CONDUIT, WIRE, METER, AND CONFIGURATION PER POLE OWNER REQUIREMENTS.

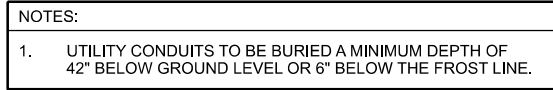
B ELECTRICAL ONE-LINE DIAGRAM

ENGINEER SEAL:
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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.
SIGNATURE: *Otto G. Dingfelder*
TYPED OR
PRINTED NAME: OTTO G.
DINGFELDER
LIS. NO.: 49720
DATE: *5/26/2020*

UTILITY DETAILS
CRAN RUMW DLLND.001
DULUTH, MINNESOTA

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0

CHECKED BY:	MJM
EDGE SITE ID	TBD
EDGE PROJ. #	44855
SET TYPE	PRELIM
SHEET NUMBER	E-501



The diagram illustrates the layout of a directional bore trench. At the top left, a plan view shows a circular bore with a diameter of 1'-0" and a 1'-0" offset from the centerline. The main cross-section shows a trench with a 3'-0" width at the top and a 5'-0" width at the bottom. The trench is labeled "TRENCH" and "UTILITY". A dashed line indicates the "STREET CENTERLINE". Two zones are identified: "LOCATE PRIVATE UTILITIES WITHIN THIS ZONE" (the area between the trench walls and the centerline) and "LOCATE SEWER & WATER UTILITIES WITHIN THIS ZONE" (the area below the trench bottom). Dimensions for these zones are 3'-0" and 5'-0" respectively.

NOTE:	
1.	CROSS SECTION REQUIRED WHEN TRENCH IS WITHIN 3' OF PRIVATE UTILITIES, OR WITHIN 5' OF SEWER AND WATER UTILITIES (OR WHEN DIRECTIONAL BORE IS WITHIN 1' OF ANY UTILITY)

THIS SPACE INTENTIONALLY LEFT BLANK



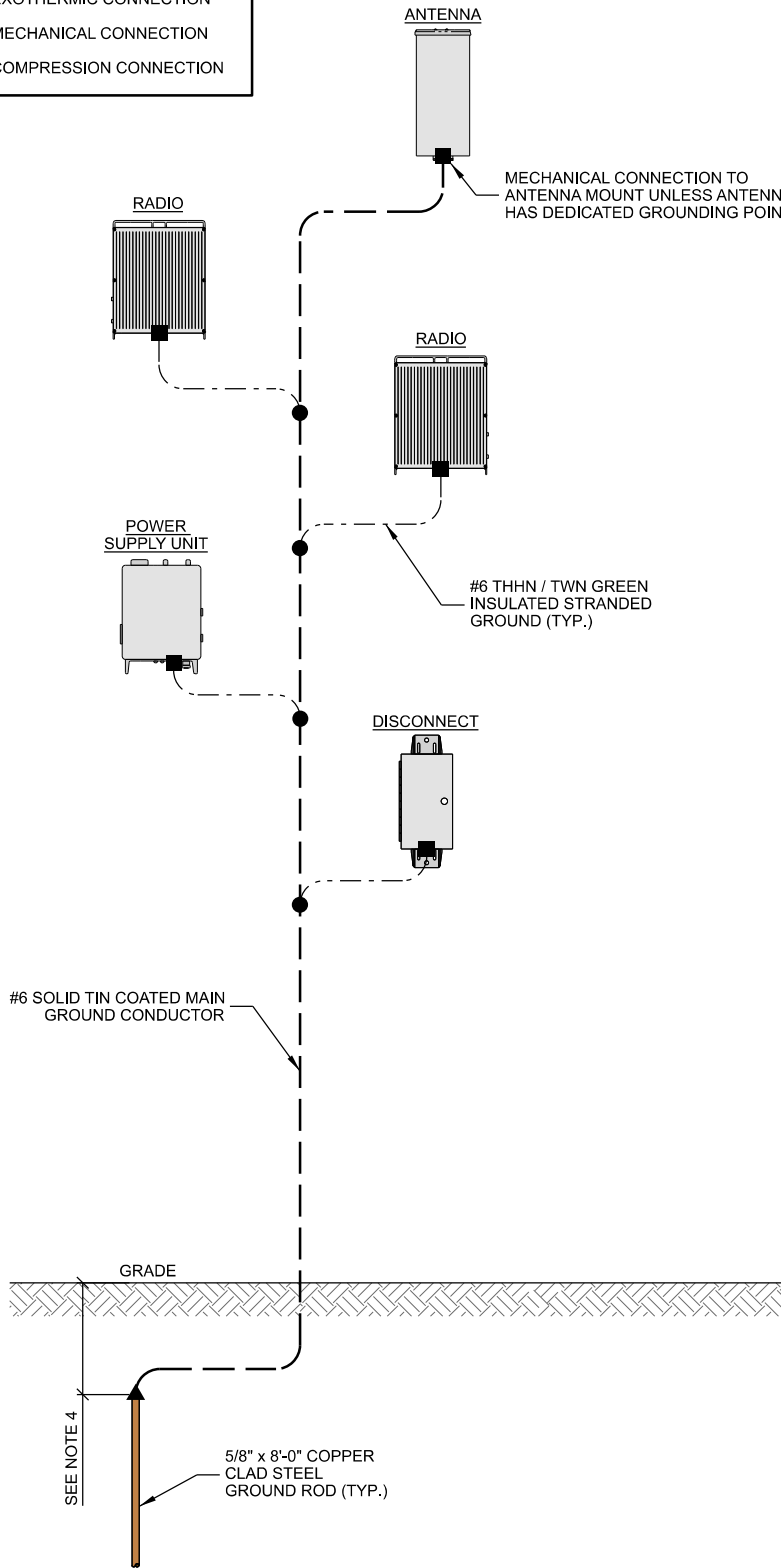
UTILITY DETAILS
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

1. WARNING TAPE TO BE INSTALLED ABOVE THE ELECTRICAL RUN.
2. WARNING TAPE SHALL BE RUN CONTINUOUSLY ALONG THE ENTIRE LENGTH AND INSTALLED 12 INCHES ABOVE THE TOP OF THE CONDUITS.
3. TRACER WIRE SHALL RUN CONTINUOUSLY ALONG THE ENTIRE LENGTH OF THE BURIED ELECTRIC CONDUITS.
4. TRACER WIRE SHALL BE SECURED TO THE CONDUIT AND MAINTAINED ABOVE THE CONDUIT CENTERLINE DURING TRENCH BACKFILLING.
5. TRACER WIRE TO EXTEND TO THE TOP OF PVC ABOVE CONCRETE ON BOTH ENDS - LOOP AND WRAP AROUND APPROPRIATE CONDUIT.
6. TRACER WIRE SHALL CONSIST OF 14GA. SOLID COPPER WIRE WITH A CORROSION PROTECTIVE COATING.
7. INSTALL TRACER WIRE WITH SPACER AND SECURE PER MNFG. RECOMMENDATIONS - AT A MIN. EVERY 10' AND AT ALL BENDS. - DO NOT WRAP BURIED CONDUIT WITH TRACER WIRE TO AVOID UNNECESSARY STRESS ON TRACER. - CONTRACTOR TO CHECK CONTINUITY OF TRACER WIRE BEFORE AND AFTER BURIAL AND DOCUMENT RESULTS. 12" ABOVE THE TOP OF THE CONDUITS.

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0
CHECKED BY	MJM	
EDGE SITE ID	TBD	
EDGE PROJ. #	44855	
SET TYPE	PRELIM	
SHEET NUMBER	E-502	

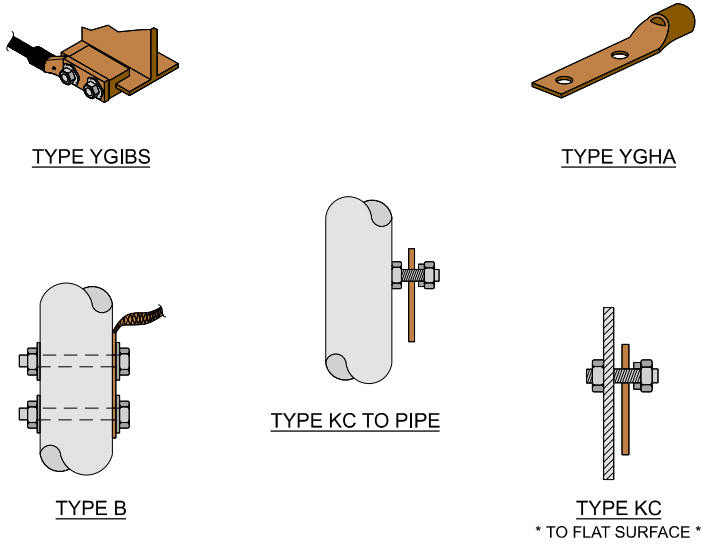
LEGEND: (THIS SHEET)

- ▲ EXOTHERMIC CONNECTION
- MECHANICAL CONNECTION
- COMPRESSION CONNECTION



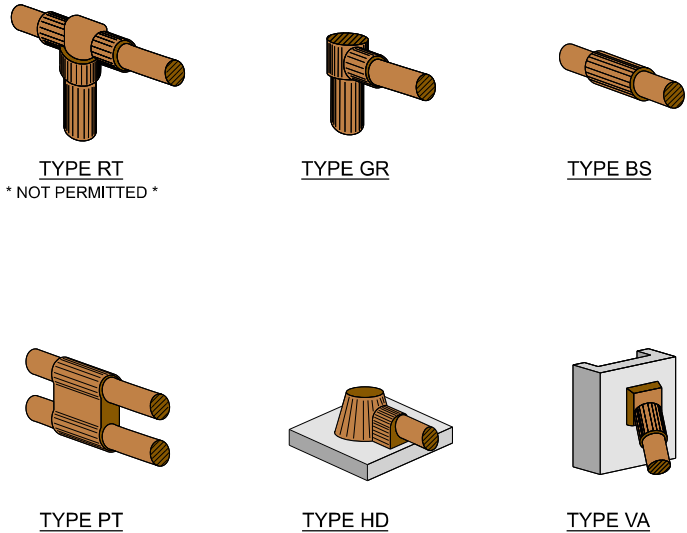
- NOTES:
1. GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWINGS FOR EQUIPMENT/ANTENNA LOCATIONS AND QUANTITIES.
 2. ALL RIGID GALV. STEEL TO BE GROUNDED AT BOTH ENDS USING GROUNDING BUSHINGS.
 3. GROUND WIRE TO BE RUN WITHIN 1/2" SCH. 40 PVC.
 4. DRIVE GROUND RODS TO A MINIMUM DEPTH OF 6" BELOW GRADE

A GROUNDING RISER DIAGRAM



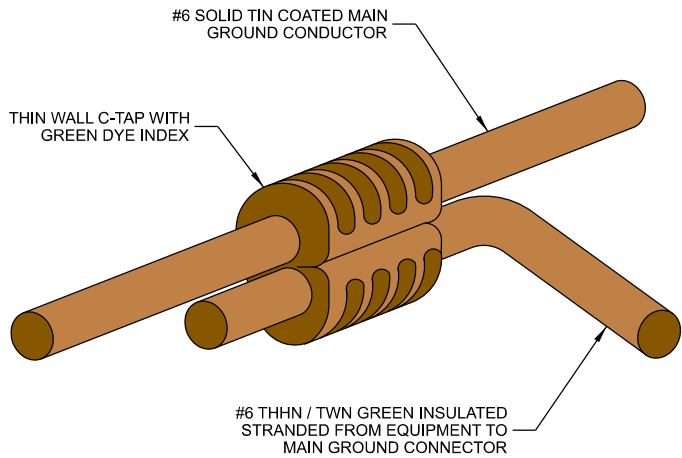
- NOTES:
1. MECHANICAL "TYPES" SHOWN ARE EXAMPLES. CONSULT WITH PROJECT MANAGER FOR OTHER POSSIBLE TYPES OF MECHANICAL CONNECTIONS THAT CAN BE USED IN STANDARD OR SPECIALLY DESIGNED GROUNDING PLANS.
 2. CONTRACTOR TO PROVIDE ALL REQUIRED MECHANICAL CONNECTIONS.

B MECHANICAL CONNECTIONS



- NOTES:
1. EXOTHERMIC "TYPES" SHOWN ARE EXAMPLES. CONSULT WITH PROJECT MANAGER FOR OTHER POSSIBLE TYPES OF EXOTHERMIC CONNECTIONS THAT CAN BE USED IN STANDARD OR SPECIALLY DESIGNED GROUNDING PLANS.
 2. CONTRACTOR TO PROVIDE ALL REQUIRED EXOTHERMIC CONNECTIONS.

C EXOTHERMIC CONNECTIONS



- NOTES:
1. CONTRACTOR TO SURROUND COMPLETED CONNECTION WITH HEAT-SHRINK TUBING TO ENSURE WEATHER PROOF CONNECTION.
 2. CONTRACTOR TO PROVIDE ALL REQUIRED COMPRESSION CONNECTIONS.

D COMPRESSION CONNECTION

Edge
Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578

smartlink
10 CHURCH CIRCLE
ANNAPOLIS, MD 21401

at&t
mobility corp.
7900 XERXES AVE. S., 3RD FLR
BLOOMINGTON, MN 55431

ENGINEER SEAL:
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.
SIGNATURE: *Otto G. Dingfelder*
TYPED OR PRINTED NAME: OTTO G. DINGFELDER
LIS, NO.: 49720
DATE: 5/26/2026

GROUNDING DETAILS
CRAN RUMW DLLND.001
DULUTH, MINNESOTA

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0
CHECKED BY:	MJM	
EDGE SITE ID	TBD	
EDGE PROJ. #	44855	
SET TYPE	PRELIM	
SHEET NUMBER	E-503	



RF EXPOSURE COMPLIANCE LETTER

Date: 08/19/2025

Band	Model	700	850	PCS	AWS	WCS	CBAND	m
Antenna Power Input (W)	Gamma Nu OY9X360F8	0	0	0	240	0	160	0

PURPOSE OF THIS DOCUMENT

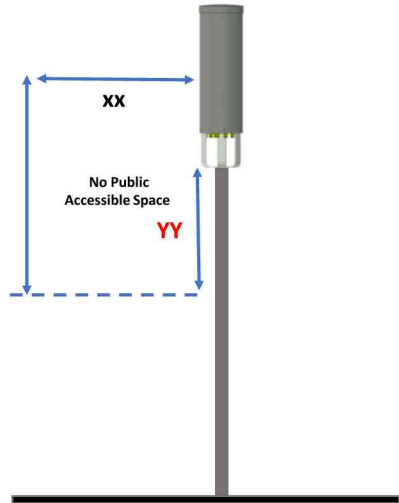
This Compliance Letter (“CL”) confirms that the AT&T Mobility Centralized Radio Access Network (CRAN) or Small Cell node defined below meets Federal Communications Commission (FCC) RF exposure compliance requirements specified in 47 CFR §1.1310, provided that the actions specified in the “Compliance Actions” and “Completing this Compliance Letter Document” sections of this document are completed before the CRAN or Small Cell is placed into service.

DEFINITION OF SMALL CELLS INCLUDED IN THIS COMPLIANCE LETTER

The small cell antenna and its operating parameters covered by this Compliance Letter are:

- 1) **Antennas:** Gamma Nu OY9X360F8
- 2) **Lowest Antenna Centerline Height:** 22 feet above ground level
- 3) **Transmission Frequencies:** AWS/CBAND
- 4) **Maximum Power Input per Frequency into (4G & 5G) Antenna (W):** 240/160
- 5) **Antenna Positions:** Top Mount (4G/5G)
- 6) **Co-locators:** No other emitters are on pole/post/mounting location
- 7) **Separation Distance:** No publicly accessible locations (e.g., other poles, apartment balconies, rooftop, windows) within the space identified by XX=10 feet horizontal distance from the antenna and YY=03 feet beneath the antenna bottom tip.

Depiction:



May 21, 2026
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INVALIDATION OF THIS COMPLIANCE LETTER

This Compliance Letter becomes invalid if there are any RF modifications to the site, including but not limited to, changes to the conditions above, changes to antenna positions, additional sectors deployed, or other nearby emitters installed, etc.

The CRAN or Small Cell team managing the cell(s) to which this Compliance Letter applies must inform HQ RAN when any of the listed changes occur and request a new Compliance Letter study.

Class 2C Sites:

These are host-operated sites. AT&T RAN HQ will review EME reports provided by host companies and make a determination for compliance based on these reports. CL will not be required for host operated sites.

RF EXPOSURE COMPLIANCE ANALYSIS

RF exposure compliance was computationally evaluated using theoretical modeling contained in the FCC’s OET Bulletin 65, considering a worst-case scenario in which peak power was transmitted 100% of the time. The MPE distance calculation incorporates cable loss of 0.5 dB for AWS and 0.5 dB for CBAND bands, as applicable. The results, which are based on the FCC’s maximum permissible exposure (MPE) limits for the general population, indicates the following MPE distance from the antenna.

Horizontal MPE Distance (in feet)	10’
-----------------------------------	-----

COMPLIANCE ACTIONS

Design Changes

The following RF design changes are required by this CL to comply:

- **NA**

Signage Actions

Two AT&T 7” x 7” Caution sign(s) must be placed 3 feet beneath the antenna on the antenna’s boresight or, in the event of an obstruction or other impediment to such placement, within 1 foot above or below that location. The Caution signs must specify that a distance of 10 feet must be kept from the antenna. The drawing in Appendix D of this document illustrates signage placement. Other options for deployment of signage may be discussed with HQ RAN Compliance Team if the pole/post owner refuses to allow signage to be posted on the pole or if other obstacles arise. The sign will inform the person of the potential for high exposure levels and provide a phone number to call and arrange for power to be removed from the antennas for the duration of work.

May 21, 2026
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SIGNATURE: *[Signature]*
TYPED OR PRINTED NAME: OTTO G. DINGFELDER
LIS. NO.: 49720
DATE: *5/26/2026*

COMPLIANCE LETTER
CRAN RUMW DLLND 001
DULUTH, MINNESOTA

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0
CHECKED BY	MJM	
EDGE SITE ID	TBD	
EDGE PROJ. #	44855	
SET TYPE	PRELIM	
SHEET NUMBER	R-001	



Leasing Agreements

In anticipation of inquiries and concerns of employees, contract workers, and others that may enter areas in close proximity to the antennas (collectively, “Covered Persons”), leasing agreements should include language that obligates site owners to:

- 1) Show the antennas to all Covered Persons, as necessary;
- 2) Instruct all Covered Persons to remain at least 10 feet away from the antennas;
- 3) Instruct all Covered Persons to inform the pole/post owner if there is a need to get closer than 10 feet from the antennas;
- 4) Instruct all Covered Persons to coordinate work near the antennas with the pole/post owner;
- 5) Contact AT&T at 800-638-2822, opt. 9, 3, to arrange for the appropriate antenna(s) to be de-energized when needed if Covered Persons must work near the antennas, to provide confirmation to the Covered Persons when the antenna(s) have been de-energized, and to inform AT&T when it’s safe to restore energy to the antennas.

In the event any RF modifications are made to a site, AT&T must also reassess the technical parameters of the small cells identified above to confirm compliance with the FCC exposure limits.

COMPLETING THIS CL

Review the CRAN and Small Cell RF Safety Compliance Job Aid for assistance with completing this Compliance Letter. The job aid may be retrieved from the Densification SharePoint using the link in Appendix C.

Actions to be taken by the HQ RF Safety Compliance Team

The HQ RAN RF Safety Compliance Team will collaborate with the C&E Densification N-PMO Team to address new issues with signage formatting, deployments, etc., as those issues arise during CRAN/Small Cell deployment.

Actions to be taken by the AT&T Market Site Acquisition PM (AMSAP)

The AMSAP shall complete the fields below for each site, but are NOT TO SIGN the section below.

The AMSAP may account for multiple sites/nodes by entering USIDs, FA#,s, and addresses for each in the spaces below.

CRAN or Small Cell USID: 506285
CRAN or Small Cell FA#: 14811096
Site Address: 827 EAST FIRST STREET, DULUTH, MN 55805



Actions to be taken by the RAN RF Design Engineer (RFDE)

The RFDE shall populate and approve the fields below, by adding a signature and date.

Name of CRAN or Small Cell RF Engineering POC: Kate Klungtvedt
Title: MNP - RAN Design Engineer
Phone: 612-425-6461
Signature:
Date of Signature:

Upon completing the information above and signing, C&E or RFDE will upload the completed CL as instructed in Appendix B below.

Actions to be taken by the Mobility C&E National PMO

The Mobility C&E National PMO shall upload a copy of the unsigned CL into a SharePoint location managed by the Mobility C&E National PMO prior to site construction start. Following completion of site construction and signage actions, Mobility C&E PM will upload the signed copy of the CL into iComply, which will flow to FileNet, by following the instructions in Appendix B.

APPENDICES ON FOLLOWING PAGES

- APPENDIX A: Accessing the CRAN and Small Cell CL Library
- APPENDIX B: Naming Conventions for Uploading Completed CLs into iComply
- APPENDIX C: Densification SharePoint Link
- APPENDIX D: RF Signage Placement

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SIGNATURE: *[Signature]*

TYPED OR PRINTED NAME: OTTO G. DINGFELDER

LIS. NO.: 49720

DATE: *5/26/2026*

COMPLIANCE LETTER
CRAN RUMW DLLND.001
DULUTH, MINNESOTA

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
TJT	01/12/26	REV A
MJM	05/21/26	REV 0
CHECKED BY:	MJM	
EDGE SITE ID	TBD	
EDGE PROJ. #	44855	
SET TYPE	PRELIM	
SHEET NUMBER	R-002	



A library of previously-issued CLs may be consulted to determine whether one of them is applicable to a new deployment.

Use this link to access previously issued Compliance Letters: [MPE Studies Folder](#). If you do not have access, you can request it upon clicking the link above.

**** Access is not granted to Non-Staff Supplemental Non-Payroll Workers (NSS NPWs). ****

1. If all the conditions in a CL are congruent with the conditions for a prospective new deployment, the CL may be applied according to guidance given in the main body of this document.
2. If changes, e.g., increase in power, to an existing CL would appear to make it applicable to a new deployment, a request for modification may be made to HQ RAN Compliance Team.
3. If no usable CL is found in the library, a request for a new CL must be made through the CRAN RF Safety Compliance mailbox (g13613@att.com)

CLs completed by the field must be uploaded into iComply using the following naming convention:

1. Signed CLs will be uploaded into iComply
2. If the multiple site/node option is used, the completed CL must be uploaded into all applicable locations.
3. Following file naming convention will be used for CLs when uploading into iComply
 - a. **RFS Cert_SC_FA_USID_MMDDYY** (Applies to Small Cells)
 - b. **RFS Cert_CRAN_FA_USID_MMDDYY** (Applies to CRAN)

The Densification MPE Studies SharePoint link may be consulted to access:

1. CRAN and Small Cell Class 2 CL Request process flow
2. CRAN and Small Cell RF Safety Compliance Job Aid

Job Aids and MPE Templates

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Page 5



Signage **must be ordered from ACP Intl Signs Inc.**, according to the guidance in Section 6.2 “ACP Intl signs ordering process (CRAN) in ATT-790-202-062 DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard.”

<http://apex.web.att.com/bookview/bookview.jsp?bookname=ATT-790-202-062&fulltext>

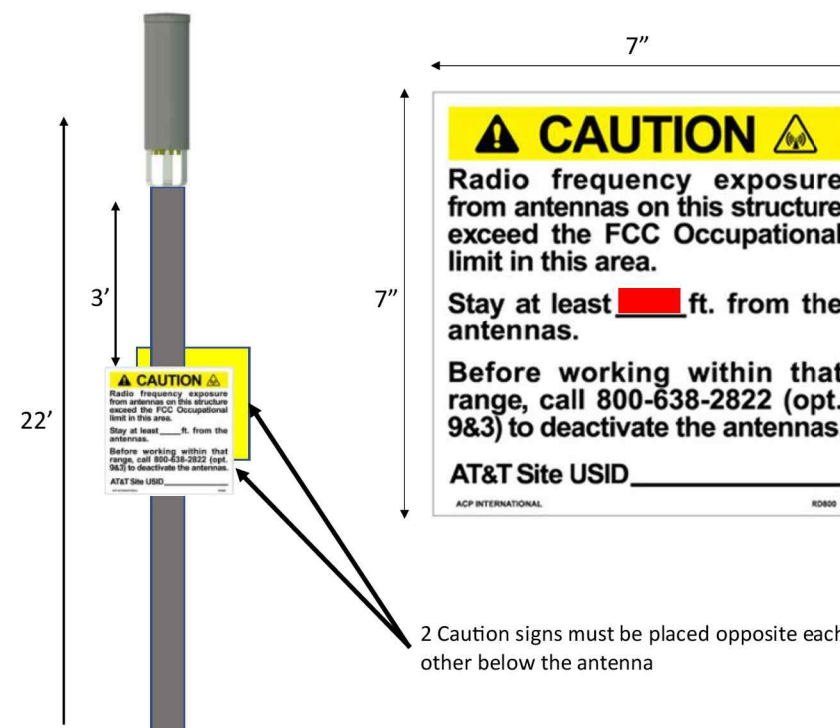
Existing sites going through RF Modifications (i.e. carrier, antenna or 5G mmWave add, etc.) must be evaluated to determine if a sign change is needed. Signs must be changed to comply with the requirements in this CL in the following instances:

1. The old sign is smaller than 8.25" in height OR width; OR
2. The old sign alert level (e.g., Notice, Caution) is less than the alert level required by this CL.

If the old sign does not need to be changed, but the “Horizontal Exposure Distance” value on the sign is different than the Horizontal Exposure Distance value in this CL, update the MPE distance on the old sign by attaching the appropriate sticker with the new value over the old value.

Ordering part number for this sign is: **"R801RPE"**

1. Sign Dimensions: height=7", width=7";
2. Use the supplied number pad to enter the number **10** into the blank space as shown in the sign diagram.



2 Caution signs must be placed opposite each other below the antenna

May 21, 2026
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624 WATER STREET
PRAIRIE DU SAC, WI 5357



ANNAPOLIS, MD 21401



BLOOMINGTON, MN 5543

ENGINEER SEAL:

I HEREBY CERTIFY THAT THE
PLAN, SPECIFICATION, OR
REPORT WAS PREPARED BY
OR UNDER MY DIRECT
SUPERVISION AND THAT I AM
DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS
OF THE STATE OF MINNESOTA

SIGNATURE:

TYPED OR _____

DINGFELD

US NO. 49720

DATE: 5/26/2020

COMPLIANCE LETTER
CRAN_RUMW_DLLND_001
DULUTH, MINNESOTA

SUBMITTAL

INT.	DATE:	DESCRIPTION
TJT	01/12/26	REV A
MJM	05/21/26	REV 0

CHECKED BY	MJM
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EDGE SITE ID	TBD
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EDGE PROJ #	44855
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SET TYPE	PRELIM
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SHEET NUMBER	R-003
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