ANOKA COUNTY HIGHWAY DEPARTMENT 1440 BUNKER LAKE BLVD. N.W. ANDOVER, MN 55304 PERMIT PHONE (763) 324-3176

APPLICATION FOR PERMIT FOR INSTALLATION OF UTILITIES OR FOR PLACING OBSTRUCTIONS ON COUNTY HIGHWAY SYSTEM

	OFFICE USE ONLY	ı	*	
	Permit Number 23-073	<u> </u>	<u></u>	
Permit Fee \$150.00	CSAH/C.R. CSAH 23 - LAK License/Permit Bond Required \$(ON FILE		
Name of applicant: MCImetro Access	Transmission Services, LLC		Tele	ephone: 612-919-1751
Address (street, city, state, zip code	2):600 Hidden Ridge Dr Irving TX 7503	3.		
Name of individual/company perform	The state of the s			·
Nature of work: Relocate underground	facilities from ole riser pole to new riser	-	Method of install	ation/construction: Trench
	al facilities to new Connexus poles.	. :	In the city/townsh	
ALONG CSAH 23 FROM S PINE Surface to be disturbed:	ST EAST TO 1ACROSS FRO	M 12 SHEPARI	CT Is the shoulder to	·
X Ditch Gravel	Bituminous Concrete	None	is file silonidei ic	Yes X No
Number and size of excavations:	Diaminodo Concreta	, , , , ,	Will traffic be obs	structed in any way?
1 trench 74' in length x 2' wide x 36" dep	th			Yes X No
Size and kind of pipe/cable: (1) 2" S	DR-11 HDPE with 864F Fiber Cable		Depth from surfa	
Work to start on or after: 03/20/23				leted by: 06/30/23
Restrictions:				
SEE ATTACHED	OCNEDAL IN	IFORMATION.		
rule. The utility/contractor, under the completed at the earliest possible A license-permit bond is generally. A sketch or drawing shall accompact to each permit. The Anoka County Highway Depart any job site, the special conditions I safety is threatened. The applicant shall notify ACHD into rot restoration has been satisfact.	e date. required of the contractor, the amount of the contractor, the amount of the contractor, the amount of the conference of places of the contract of the	ount of which will will show the loca and is required fo special condition revoke any utility are not met an	be determined by tion of the proposi- rall sewer/water p ns (listed on the n y permit and halt d/or a hazard exi	withe nature of the utility work. sed utility with reference to the projects. everse side of this form) apply work if, upon inspection of sts for the applicant or public
I, We, the undersigned, herewith a to fully comply therewith to the satis	ccept the terms and conditions of t faction of the ACHD. The County s, claims or suits arising out of the	of Anoka, its office granting of the pe	ermit.	e County of Anoka and agree es shall be held harmless.
Date 03 08 2023 Applicant's	s Signature	7 0000		
In consideration of the applicant's permission is hereby granted for the the general conditions listed above FOR SPECIAL CONDITIONS). It is expressly understood that this to their original or to a satisfactory of township authorities having joint sur	AUTHORIZATION agreement to comply in all respect work to be done as described in to and the special conditions required permit is conditioned upon replace condition. It is further understood to pervision over said street or highway	ON OF PERMITES with the regular the above applicated as hereby state ement or restorated that this permit is ay.	fions of the ACHE tion. Said work.t d: (SEE REVERS ion of the County issued subject to	SE SIDE OF THIS FORM Highway and its right of way
	ANOKA COUNTY HIG	HWAY DEPAR	TMENT	
and the first of the second			•	
Approved by Susan B. Associate Tr	urgmeier	lssued b	sy SB	_Date03/13/2023
Associate Tr	attic Techniciant Yellor Distribution: White-Applicant Yellor	w-Highway Departn	nent Permit Office	erican like period and anticolor and period per age and the live in a first and all own period and the period per and its major and an are
The state of the s	No. 1860s. Egister target som som med sen systematic hand med sen	ng direc ang pang pang pang mang mang pang pang pang tang pang pang law batan bang	and the second section of the sectio	***
DETACH AND RETURN THIS STUB Permit Number			Anol 1440	nit Section ka County Highway Department DBunker Lake Blvd. N.W. over, MN 55304
Date Completed//			•	
Name Of Applicant			•	

SPECIAL CONDITIONS

TRAFFIC CONTROL

- I. Detours
 - Detailed detour layouts shall be submitted to the Traffic Engineer for approval.
 - B. No detours shall be permitted without prior approval of the Anoka County Traffic Engineer.
 - C. One week's notice must be given prior to the installation of any detour.
 - D. It shall be the responsibility of the applicant to notify Anoka County Central Communications, local government bodies, and any affected bus companies 48 hours prior to any road closures/detours.
 - E. Immediately upon completion of work and/or detours, all posts, barricades, and signs shall be removed from the right of way.
- II. Traffic Control Devices
 - A. All traffic control devices, barricades, flashers, etc. shall be furnished by the applicant and shall be in accordance with the most recent edition of the Minnesota Manual on Uniform Traffic Control Devices and Temporary Traffic Control Zone layouts-Field Manual of the same manual.

CONSTRUCTION REQUIREMENTS

- I. Open cutting of bituminous or concrete surfaced roads will be allowed only at the discretion of the County Engineer.
- II. Neither supplies nor excavated materials shall be placed on the bituminous or concrete surface at any time.
- III. No trenches will be allowed to remain open overnight.
- IV. Materials removed from the trench shall be used as backfill isofar as they are suitable. All backfill naterial shall conform to MnDOT specifications for compaction. The use of heavy equipment on top of trench, slapping with backhoe bucket and/or backcasting to achieve compaction is prohibited. Any additional material required to back fill to the original grade shall be furnished by the applicant at no expense to ACHD. All the base and surface courses damaged during construction operations shall be restored to a condition equal to or better than before operations began. The applicant shall be responsible for and restore any settlement.
- V. All culverts, dtches, shoulders and backslopes shall be restored to their original condition unless otherwise directed by the ACHD. Shoulders which have been previously constructed or reconstructed with special materials shall be replaced in kind. Restoration of signs, guardrails, guardposts, etc. are the sole responsibility of the applicant and shall be restored to their original condition.
- VI. All roadway maintenance required within the limits of the utilityproject that is related to the applicant's activities shall be the sole responsibility of the applicant for 1 year after completion of the project. Upon completion of the restoration work, the applicant shall request a final inspection by the ACHD. The ACHD's approved completion date shall be the starting date of the applicant's 1-year responsibility

HORIZONTAL BORING AND JACKING

- I. All hard surface roadways shall be jacked or bored.
- II. All crossings of Anoka County maintained roadbeds shall be made by boring inside a casing or carrier pipe, or by jacking unless otherwise directed by the Anoka County Engineer. The auger shall lag the casing or carrier pipe by at least 6 inches whenever possible and never lead the carrier pipe by more than 1 inch.
- III. The use of pneumatic devices to facilitate the roadbed crossings will be allowed in most cases with prior approval. In the event approval is not granted and applicant uses a pneumatic device to cross a roadbed and encounters an obstruction and/or unstable subbase material which makes forward or reverse motion of pneumatic device impossible, said pneumatic device then becomes part of the roadway subbase and permission to excavate to retrieve device will not be granted.
- IV. If a pneumatic device is used for the work permitted herein, the Installation must be kept to a minimum of 4 feet below the surface of the roadway if the pneumatic device is less than 2 inches in diameter, and a minimum of 5 feet below the surface of the roadway if the pneumatic device is 2 inches in diameter or larger.

BITUMINOUS RESTORATION

- I. The locations and dimensions of all openings to be made in the bituminous surface shall be approved by the ACHD prior to any cutting or any surface opening operations.
- II. All openings in bituminous surfaces shall be cut in a straight line with sides smooth and vertical. No ragged edges will be permitted. Cutting shall be done with a concrete saw.
- III. All necessary dust control operations shall be carried out by the applicant at no expense to Anoka County.
- IV. The minimum requirement for subgrade replacement shall be the upper 12 inches of material and shall meet MnDOT specifications for Class 5 placed in 6-inch layers compacted to 100 percent of optimum density.
- V. All manhole casings, gate valves and other utilitystructures shall be set one-quarter inch below the top of the finished surface.
- VI. Bituminous tack coat materials and application thereof shall conform to MnDOT specification 2357.
- VII. All bituminous surfacing shall be replaced as soon as practical after the base construction. All bituminous surfacing shall be machine laid. Any exceptions must be approved by the ACHD. Bituminous surfacing shall be replaced to original pavementdepth or to a minimum of six (6) inches of bituminous mixture (2360), whichever is greater. Bituminous mixtures must be placed in lifts not exceeding three (3) inches in thickness for base and binder courses and not exceeding two (2) inches for the wear course.
- VIII. All surface restoration regardless of size shall conform to existing grades.
- IX. Any unnecessary or negligent damage to bituminous surface in conjunction with the installation and/or repair of a utility shall be cut out and replaced in kind as directed by ACHD.

CONCRETE RESTORATION

I. Curb and gutter, sidewalks and driveways shall be restored in accordance with MnDOT specifications 2531 and 2521.

UTILITY LINES

- l. There shall be only a single pole line on the county right-of-way on either side of the center line thereof.
- II. Exact locations of longitudinal installations on county highways shall be located as directed by ACHD.

SECTION CORNER MONUMENTS

- I. Utilitylocations shall not interfere with the location of any section, quarter, witness or R.O.W. monuments. For assistance in locations, contact the Anoka County Surveyor's Office
- II. The applicant shall be responsible for replacement of any existing property irons disturbed during construction.
- III. The applicant shall notify the Anoka County Surveyor's Office3 working days in advance of any anticipated disturbance of any section, quarter, witness or R.O.W. monuments.
- IV. Any monument disturbed during the course of construction shall be reset by the Anoka County Surveyor's Officeat the expense of the applicant.

ATTACHING TO BRIDGES/STRUCTURES

I. No utilityis permitted to be hung from or otherwise attached to any bridge or structure without having detailed plans approved by the Anoka County Engineer. These plans are to show approaches to the structure, method of installation, type and dimension of housing for the utility

SPECIAL CONDITIONS FOR ADVANCE NOTIFICATION FOR COMMENCEMENT & COMPLETION OF WORK

PERMIT HOLDER:	
PERMIT NUMBER:	ROAD NUMBER:
CONTRACTOR CONTACT:	
PERMIT ACTIVE DATE:	
PERMIT EXPIRE DATE:	

ALL SUBCONTRACTORS, AND CREW POSSESS **COPY** INSTALLERS, SHALL Α OF ALL DOCUMENTS IN RELATION TO THE APPROVED PERMIT PRIOR TO THE COMMENCEMENT OF WORK AND BE KEPT ON SITE. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- APPROVED PERMIT
- NOTIFICATION SHEET
- ANY/ALL TRAFFIC CONTROL LAYOUTS/PLANS

SPECIAL CONDITIONS

- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE MNDOT TEMPORARY TRAFFIC CONTROL FIELD MANUAL
- SHALL USE A SHOULDER CLOSURE (LAYOUT 8) IF ANY PORTION OF THE SHOULDER IS ENCROACHED
- SHALL USE A RTL CLOSURE (LAYOUT 33), 9AM 3PM ONLY, IF ANY PORTION OF THE ROAD IS ENCROACHED
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, SIGNS TURNED, LAID DOWN, OR COVERED AT THE END OF EACH WORK DAY, OR WHEN NO WORK IS TAKING PLACE UNLESS WRITTEN APPROVAL STATING OTHERWISE
- SHALL NOTIFY ANDREA SCHMID (andrea.schmid@co.anoka.mn.us or 763-324-3128) 48
 HOURS PRIOR TO THE COMMENCEMENT OF WORK WITH THE PERMIT NUMBER,
 THE DATE/TIME WORK IS TO BE PERFORMED, AND THE ESTIMATED DURATION
 OF WORK
- SHALL NOTIFY ANDREA SCHMID (andrea.schmid@co.anoka.mn.us or 763-324-3128) WHEN WORK IS COMPLETE
- NO WORK DURING INCLEMENT WEATHER OR WHEN PLOWS ARE OUT IN ANY CAPACITY
- SHALL CONTACT ANOKA COUNTY SIGNAL DEPARTMENT @ 651-801-8969 FOR SIGNAL RELATED WORK



MCImetro ACCESS TRANSMISSION SERVICES CORP D/B/A VERIZON ACCESS TRANSMISSION OUTSIDE PLANT CONSTRUCTION FIBER OPTIC CABLE ROUTE

LINO LAKES - LAKE DR RELOCATE

SITE CODE: ANOKMN ANOKA COUNTY LINO LAKES, MN

PROJECT STATUS: PROPOSED STATUS DATE: 2/21/23

INDEX SHEET

	COVER SHEET
<u>)</u>	INDEX SHEET
3	LOCATION MAP OVERVIEW
1	CONTACT SHEET
-)	GENERAL NOTES/CLARIFICATION SHEET
	SYMBOLS KEY
	PROJECT CLARIFICATION SUMMARY/BOM
	CONSTRUCTION DRAWINGS



PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCATE

ANOKA COUNTY

LINO LAKES, MN

CLARIFICATION NO.	QUA	NTI
ACCESS TRANSMISSION SERVICES, LLC MC OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC CABLE ROUTE	I TNO I AKES-I ADE DR (CAR-23) REI OCATE

DATE: 2/21/23

DESIGNER: EFH
DRAWN BY: EFH

REVISIONS

DATE	DESCRIPTION	INITIA
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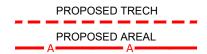
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FILE: LINO LAKES - LAKE DR (CR-23) RELOCATE.DWG

LOCATION MAP OVERVIEW







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FILE: LINO LAKES - LAKE DR (CR-23) RELOCATE.DWG

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DSL Circle Pines Read Internal Property of the Pines Read Interna	To to the state of
Crossway Dr Good Shepherd Lutheran Church	indi
Lake Dr Circle Pines Barber Shop Casey's Civic Heights Dr Oak Hills Manor South Dr South Dr South Dr	Baldwin-Park
Oak Hills Manor South Printing & Graphics Oak Hills Manor South Printing & Graphics	Map data ©2023 Google

CONTACT SHEET

VERIZON BUSINESS

OUTSIDE PLANT ENGINEERING:

PROJECT ENGINEER: ANDY FRETTE 1200 WASHINGTON AVE MINNEAPOLIS, MN 55401

SENIOR PROJECT ENGINEER:

612-919-1751

612-221-7997

(920)621-8419

1200 WASHINGTON AVE MINNEAPOLIS, MN 55401

DAN SCHMIDT

OUTSIDE PLANT CONSTRUCTION:

PROJECT SUPERVISOR:
GREGG JUNGWIRTH 612-963-9474

FIELD CONST. SUPERINTENDENT:

MANAGER:

RIGHT-OF-WAY:

AGENT: MANAGER:

CONTRACTS:

OTHERS:

PROGRAM MANAGER: LIGHTWAVE ENGINEER: CIVIL ENGINEER: TERMINAL CONST. REP.:

SPLICING MANAGER:

ENGINEERING CONTRACTOR

NAME OF FIRM:

TSO MANAGER:

MI-TECH SERVICES, INC.

PROJECT MANAGER:

MITCHEL VANDENPLAS

ENG. PROJECT SUPERVISOR:

DOUG HEIDER (651)895-0488

CONSTRUCTION CONTRACTOR

NAME OF FIRM: MASTEC PROJECT COORDINATOR:

DAVIN MIKKONEN (651)605-4091

PROJECT SUPERVISOR:

GREGG JUNGWIRTH (612)963-9474

RAILROADS

UTILITIES

(612) 344-3327
(855) 742-6062
(800) 778-9140
(800) 762-0592
(612) 673-5600
(612) 673-5600
(612) 673-5600
(651) 297-8955
(800) 778-9140
(406) 541-9571
(877) 366-8344
(612) 349-7547
(651)602-4511
(651) 366-5750
(800) 283-4237
(877) 459-2690
(800) 521-0579
(651) 266-6868
(651) 266-9850
(651) 266-9777
(651) 632-5129
(800) 289-1901
(800) 848-7558
(888) 267-1063
(218) 346-5500

CITY GOVERNMENT

COUNTY GOVERNMENT

JORGE.BERNALDELGADO@CO.ANOKA.MN.US 763-862-4224 2100 3RD AVE ANOKA, MN 55303 HTTPS://WWW.ANOKACOUNTY.US/

STATE GOVERNMENT

MINNESOTA DEPARTMENT OF TRANSPORTATION ANN DRIVER UTILITY PERMITS MAILSTOP 678 395 JOHN IRELAND BLVD SAINT PAUL, MN 55155

FEDERAL GOVERNMENT



PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCA

ANOKA COUNTY

LINO LAKES, MN

LARIFICATION NO.

ACCESS TRANSMISSION SERVICES, LLC	TITLE: FIBER OPTIC CABLE ROUTE
DATE: 2/21/23	
DESIGNER: EFH	

REVISIONS

ATE DESCRIPTION I
21/23 PROPOSED

DRAWN BY: EFH

2/21/23 PROPOSED EFH

(CEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, HESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN HE PROPERTY OF MCI COMMUNICATIONS SERVICES, INC DTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL DT BE REPRODUCED, COPIED, OR USED FOR ANY PURPO

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FILE: LINO LAKES - LAKE DR (CR-23) RELOCATE.DWG

GENERAL NOTES

- VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES
 - MCI COMMUNICATIONS SERVICES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - MCI METRO ACCESS TRANSMISSION SERVICES
 - OF VIRGINIA, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES
 - OF MASSACHUSETTS, INC.
 - METROPOLITIAN FIBER SYSTEMS OF NEW YORK, INC.
- ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS AND THE RIGHT-OF-WAY GRANTOR.
- LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALU-ATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THERFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
- ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS.
- SHORING OF EXCAVATIONS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
- BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK
- ALL 2" ID CONDUIT WILL BE HDPE, OR AS SPECIFIED.
- UNDERGROUND CONDUIT WILL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

5.

- 1. STATION
- LOCATION
- CLARIFICATION NO. AND MINIMUM COVER
- QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPLICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF
- TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER
- PLANT ACCOUNTING CODE
- SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL. BRIDGE NO. AND RAILROAD STATION, MATERIAL. POLE NO.

ADDENDUM NOTES

- A-1 UNDERGROUND PLANT WAS CONSTRUCTED WITHOUT DOCUMENTATION OF MMHH LOCATION, AS WELL AS UNKNOWN TIGHT BENDS IN THE SITE PULL LEADING TO THE FOLLOWING ISSUES:
- 1. SITE WAS NOT BUILT WHEN FIBER WAS PLACED LEAVING ADDITIONAL 456' SLACK COIL 864F IN HH-26 TO REACH SITE.
- 2. HH-26 NEEDED TO BE RELOCATED RESULTING IN 306' C200 FIBER REMOVAL.
- 3. 432MF WAS NEEDED FOR SITE PULL DUE TO SMALL BEND RADII, RESULTING IN 848' 864F WASTE.

CLARIFICATION NOTES (CONTINUED)

100	110	JACK AND DRY BORE CONDUIT(S)
	210 212 213 214 215 216 217 218 219 220 221 222 240 244 245 247 250 252 255 256 260 270 280 281	PLACE CONDUIT PLACE HIGH DENSITY POLYETHYLENE (HDPE) ROCK ADDER SLURRY BACKFILL ADDER EXPOSE CONDUIT EXPOSE COMDUIT AND RELOCATE EXPOSE CONDUIT AND REPLACE/SUBSTITUTE EXPOSE AND REMOVE CONDUIT EXPOSE AND REMOVE CONDUIT (ABANDONED) CONCRETE ENCASE REMOVE CONCRETE ENCASEMENT REMOVE CONCRETE CAP PLACE HANDHOLE REMOVE EXISTING HANDHOLE REPLACE/SUBSTITUTE HANDHOLE EXCAVATE SPLICE PIT PLACE MANHOLE REMOVE EXISTING PRECAST MANHOLE REPLACE/SUBSTITUTE PRECAST MANHOLE CONSTRUCT WALL REMOVE AND RESTORE ASPHALT REMOVE AND RESTORE CONCRETE REMOVE AND RESTORE SIDEWALK
300	310 315 320 330	ATTACH CONDUIT TO WALL OR STRUCTURE DETACH CONDUIT FROM WALL OR STRUCTURE CORE BORE ATTACH PULL/SPLICE BOX TO WALL OR STRUCTURE
4	410 411 415 420	PULL CABLE PULL THROUGH DUCT (INNERDUCT) REMOVE CABLE FROM CONDUIT REPOSITION ACTIVE CABLE SLACK
! ! ! !	510 515 516 517 520 525 526 527 528 530 535	DIRECT BURY CABLE EXPOSE DIRECT BURIED CABLE EXPOSE DIRECT BURIED CABLE AND RELOCATE REMOVE AND DISPOSE OF CABLE PLACE AERIAL CABLE RELOCATE AERIAL CABLE DELASH AERIAL CABLE RELASH AERIAL CABLE REMOVE AERIAL CABLE PLACE POLE/PUSH BRACE REMOVE POLE/PUSH BRACE
	610 620 630	JETTING CONDUIT EMBEDMENT PLOW DIRECTIONAL BORE
	710 711 712 714	PLACE BURIED CABLE MARKERS AND SIGNS/MWCOM WATER CROSSING SIGNS PLACE ISOLATOR/PROTECTION SYSTEM AT EXISTING HANDHOLES/MANHOLES REMOVE BURIED CABLE MARKER POST/HARDWARE REMOVE CONCRETE BURIED CABLE MARKER POST

GENERAL NOTES

- 1. CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE
- 2. CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES
- 3.ALL CABLE WILL BE PLACED AT STANDARD MINIMUM DEPTH. (MCI STANDARD IS 48" DEEP UNLESS OTHERWISE DIRECTED BY A MCI REPRESENTATIVE.)
- 4.ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK.
- 5.PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.
- 6. ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.
- 7. CONTRACTORS ARE ADVISED TO CONTACT MCI FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.
- 8.CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT YOUR MCI REPRESENTATIVE BEFORE PROCEEDING.
- 9.BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
- 10. NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY THE APPROPRIATE MCI EMPLOYEE.
- 11. CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED MCI REPRESENTATIVE.
- 12. CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE MCI
- 13. AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIAL'S AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHALL PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED MCI EMPLOYEE PRIOR TO STARTING THE WORK.
- 14. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02. ENTITLED STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO UTILIZE THE GOPHER STATE ONE CALL EXCAVATION NOTICE SYSTEM REQUIRED MN STATUTE, CHAPTER 216D FOR ALL UNDERGROUND UTILITY LOCATIONS.



PROJECT: LINO LAKES - LAKE DR (CR-23) REL

ANOKA COUNTY

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DE PLANT CONSTRUCTION FIBER OPTIC CABLE ROUTE

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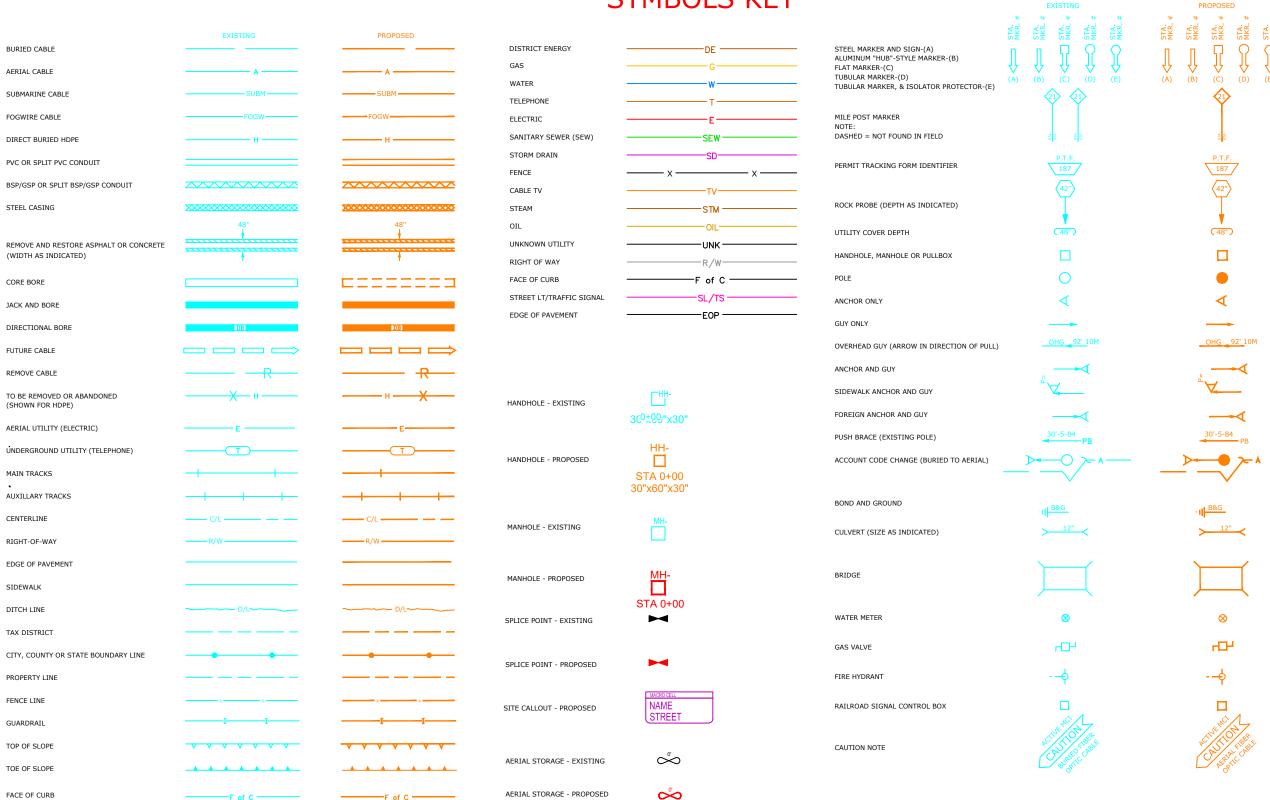
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SYMBOLS KEY



PROPOSED FIBER IN EXISTING DUCT

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PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCA

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MCImetro ACCESS TRANSMISSION SERVICES, LLC	OUTSIDE PLANT CONSTRUCTION	TITLE: FIBER OPTIC CABLE ROUTE	ELANOLISE DE CARE DE CARE DE CARE
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DESCRIPTION DATE

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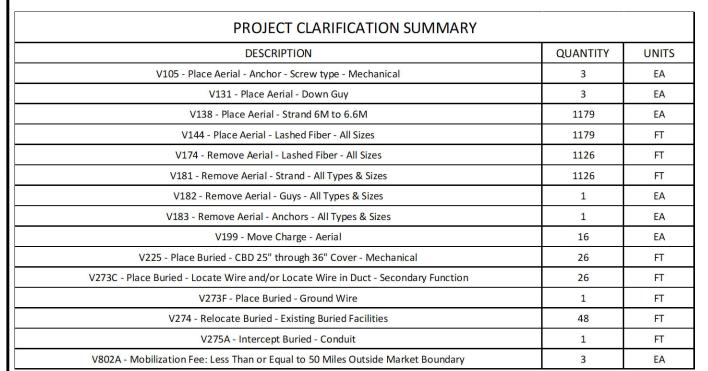
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FILE: LINO LAKES - LAKE DR (CR-23) RELO

CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC



PERMITS EXISTING							
PERMIT AGENCY / PERMIT NUMBER	SHEET #	FOOTAGE	DATE APPROVED				
ANOKA COUNTY	8-35	1,205'	XX/XX/XX				

BOM / MAKE READY COST ESTIMATE PROJECT SPECIFIC

	CITY-LOCA	TION						PROJECT NAM	1E			TOTAL AER	IAL FOOTAGE	ТОТА	L POLES		DERGROUND TAGE	TOTAL N	ин's/нн's	TOTAL BUILD	DING FOOTAGE	TOTAL P	PULL BOXES	
	CITY OF	ANOKA		то		L	INO LAKES - LA	AKE DR (CR-23)	RELOCATE			1,2	205'		17		0'		0	T I	0'		0	
1728F SM +3%	864F +3%	576F + 3%	432F + 3%	288I + 3%			96F + 3 %	72F + 3%	48F + 3%	24F + 3%	450D SPLICE CASE	600D SPLICE CASE	6 PORT MHT 500' TAIL	6 PORT MHT 1,000' TAIL	12 PORT MHT 500' TAIL	12 PORT MHT 1,000' TAIL	24F PATCH PANEL	24F PATCH PANEL E/W TAIL	48F PATCH PANEL	48F PATCH PANEL E/W TAIL	77F PATCH	72F PATCH PANEL E/W TAIL	6 AWG GROUND WIRE	
0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0	0	0	0	0	0	0	0'	0'	0'	0'	
Hand Hol 12"x18"x:	1000	and Holes "x36"x24"	Hand Ho 30"x60"x		4'X4'X4' MANHOLE	FLOWER POT	GROUND ROD	MARKER POST	LOCATE POST	GROUND WIRE	LOCATE WIRE	1.25"HDPE SDR-11 + 3%	2"HDPE SDR-11 + 3%	4" HDPE SDR- 11 + 3%	1.25" PVC SPLIT DUCT		4" PVC SPLIT DUCT	1.25" PVC SPLIT 90° 48" RADIUS	The second second second second	4" PVC SPLIT 90° 48" RADIUS	2" EMT	2" EMT 90° 36" RADIUS	IN LINE GUTTER BOX	PUL X 36"X3
0		0	0		0	0	0	0	0	0'	0'	0'	0'	0'	0'	0'	0'	0	0	0	0'	0	0	
35' CLASS 5 POLE	40' CLASS 4 POLE	45' CLASS 4 POLE	50' CLASS 3 POLE	55' CLA POLI		T I IRON POLE	PUSH BRACE	ANCHOR SCREW TYPE	ANCHOR BUST TYPE	ANCHOR ROCK TYPE	1/4" EHS DOWN GUY	5/16" EHS DOWN GUY		12" EXTENSION ARM	24" EXTENSION ARM	36" EXTENSION ARM	1/4" EHS STRAND	5/16" EHS STRAND	STAINLESS LASHING WIRE	SNOW SHOE	RISER U- GUARD	1.25" UV RATED HDPE	1.25" SELF SU E/W 3/8" E	
0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	1,214'	0'	0'	1	1	0'		0'

PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCA

ANOKA COUNTY

CITY OF ANOKA, MN

DATE: 2/21/23

DRAWN BY: EFH REVISIONS

DESIGNER: EFH

DESCRIPTION

PROPOSED

SCALE

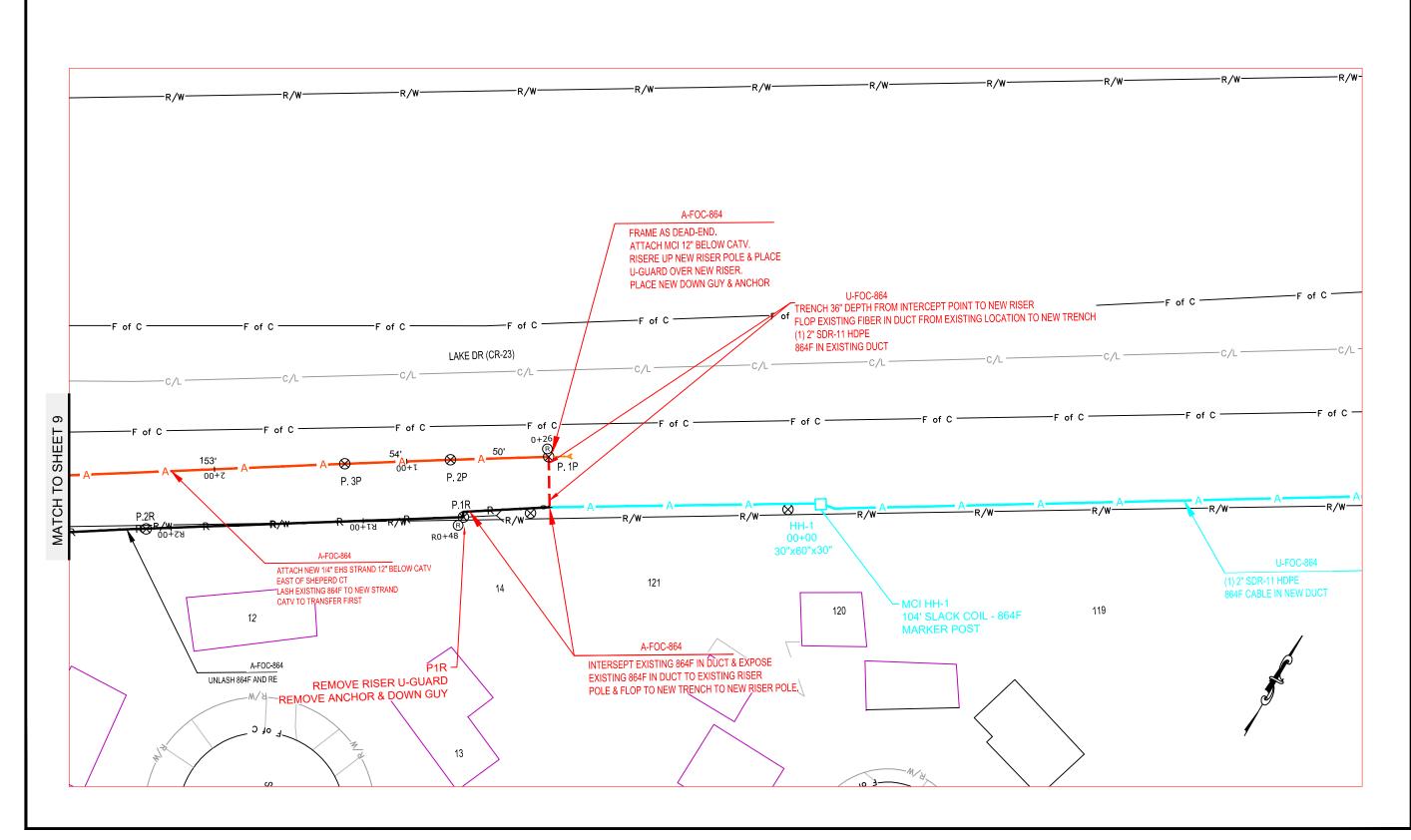
HORIZONTAL: NTS VERTICAL:

> TO MP **OF** 10

FILE: LINO LAKES - LAKE DR (CR-23)

POLE NO	86387064
POWER	36'6"
A1	30'4"
T3	29'2"
MCI	31'4"

POLE NO	86387076
POWER	35'8'
A1	29'1'
MCI	30'1'





PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCAT

ANOKA COUNTY

LINO LAKES, MN

. QL	JANTI
OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC CABLE ROUTE	TNO LAKES-LADE DR (CAR-23) RELOCATE

DATE: 2/21/23
DESIGNER: EFH

DRAWN BY: EFH

REVISIONS

DATE	DESCRIPTION	INITIAL
2/21/23	PROPOSED	EFH

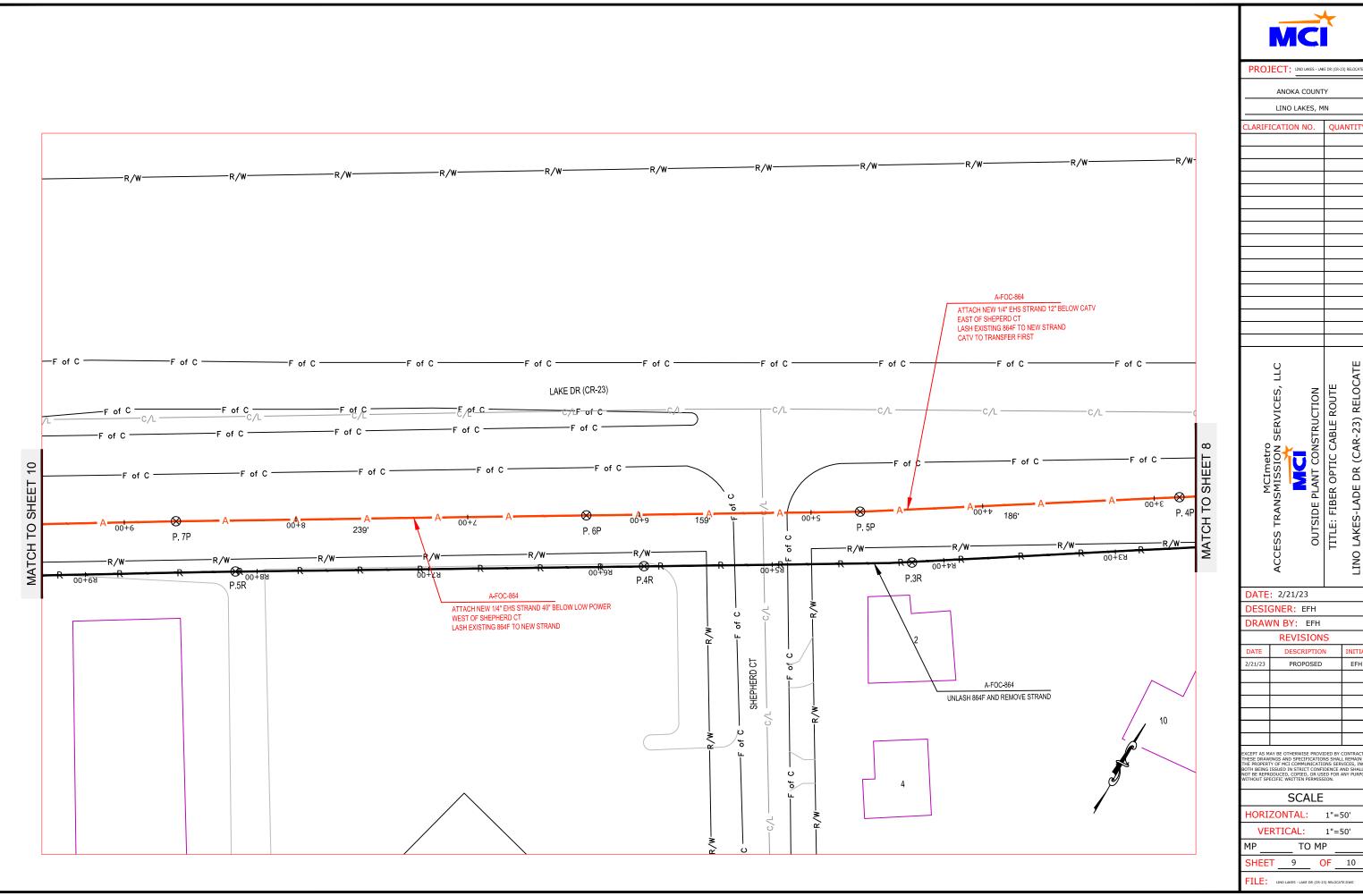
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SCALE
HORIZONTAL: 1"=50'

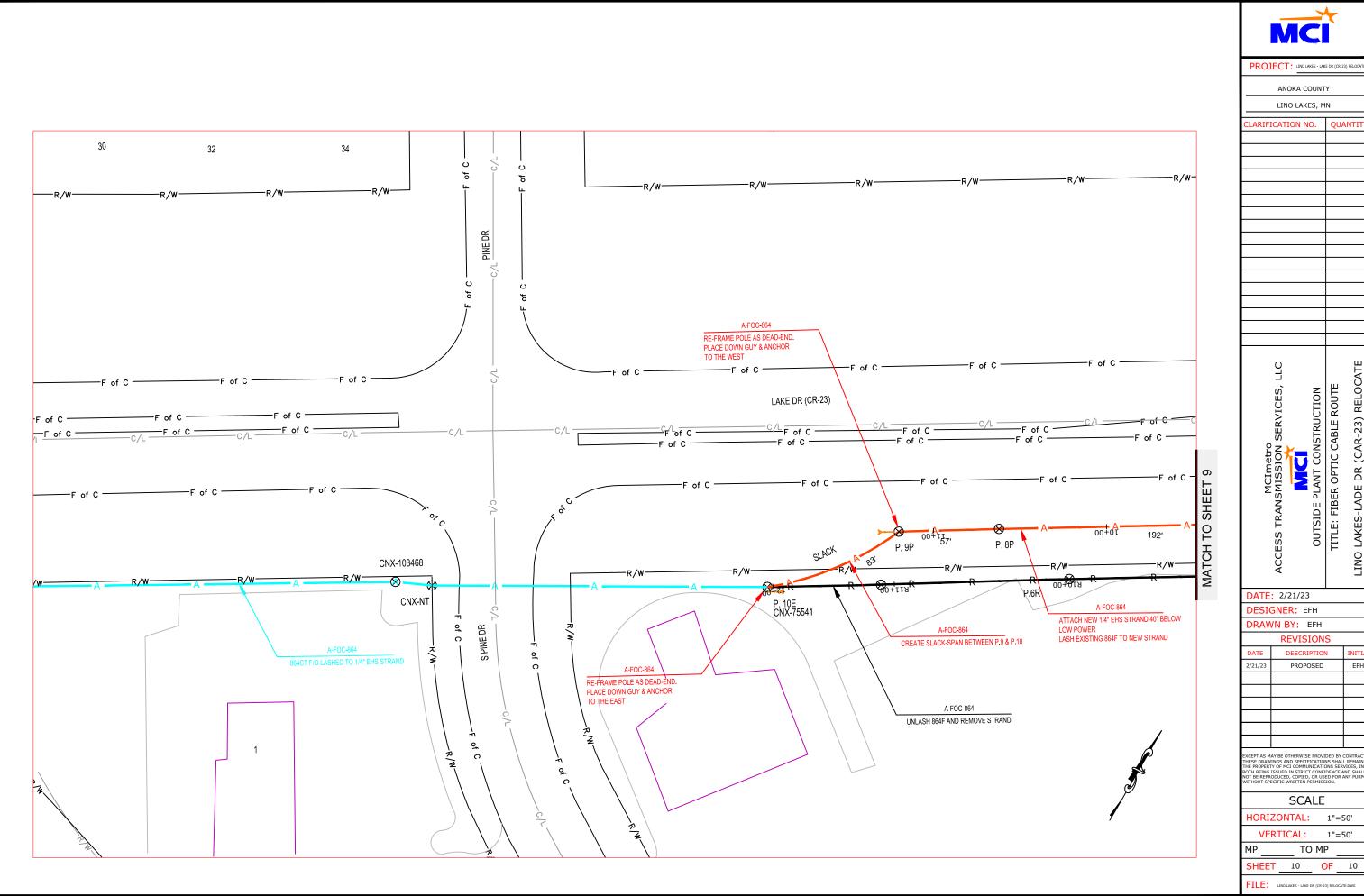
VERTICAL: 1"=50"

MP ____ TO MP ____ SHEET 8 OF 10

FILE: LINO LAKES - LAKE DR (CR-23) RELOCATE.DWG



DATE	DESCRIPTION	INITIA
2/21/23	PROPOSED	EFH



M	

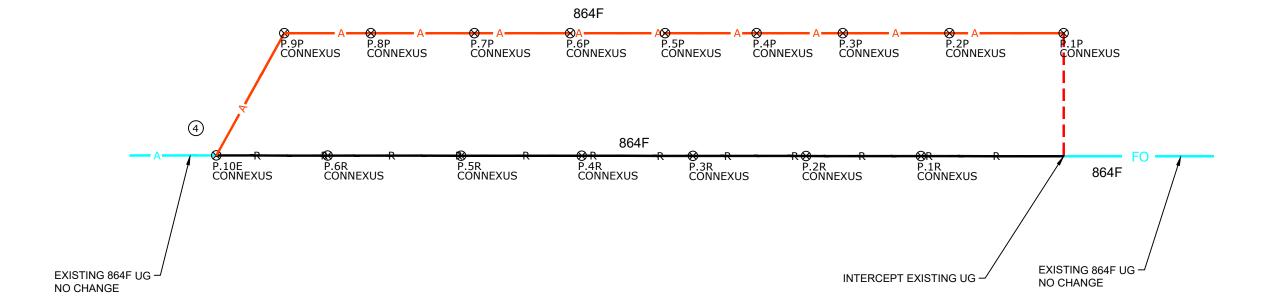
MCImetro	
OUTSIDE PLANT CONSTRUCTION	
TITLE: FIBER OPTIC CABLE ROUTE	
INO LAKES-LAPE DB (CAB-23) BELOCATE	

	REVISIONS	
DATE	DESCRIPTION	INITIA
2/21/23	PROPOSED	EFH

VERTICAL: 1"=50'

SHEET 10 OF 10

SINGLE LINE DIAGRAM





PROJECT: LINO LAKES - LAKE DR (CR-23) RELOCAT

ANOKA COUNTY

LINO LAKES, MN

LINO LAKES, M	N
CLARIFICATION NO.	QUANT
ACCESS TRANSMISSION SERVICES, LLC	TITLE: FIBER OPTIC CABLE ROUTE

DATE: 2/21/23

DESIGNER: EFH

DRAWN BY: EFH

	REVISIONS	
DATE	DESCRIPTION	INIT
2/21/23	PROPOSED	EFI

SCALE

HORIZONTAL:

VERTICAL: TO MP

SHEET A1 OF 10

NTS