



ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

763-324-3176

highwaypermits@co.anoka.mn.us

**RIGHT OF WAY
PERMIT NUMBER**

23-061

CSAH 12

CR

APPLICATION FOR PERMIT FOR INSTALLATION OF UTILITIES OR PLACING OBSTRUCTIONS ON THE COUNTY HIGHWAY SYSTEM
ALL APPLICANTS MUST BE REGISTERED PRIOR TO PERMIT APPROVAL

WORK TO START ON 3/13/2023

WORK TO BE COMPLETED ON 09/13/2023

DURATION OF JOB 14 days

ARE YOU BEING ASKED TO RELOCATE DUE TO A COUNTY PROJECT? No

ANOKA COUNTY PROJECT NUMBER

APPLICANT NAME Zayo

CONTACT PERSON Juan Thor

ADDRESS 5005 Cheshire, Suite 1 , MN 55446

CITY Plymouth

PHONE NUMBER 763-742-0778

EMAIL juan.thor@isginc.com

COMPANY OR INDIVIDUAL PERFORMING WORK Comlink Solutions

CONTACT PERSON Spencer Nelson

PHONE NUMBER 612-346-5484

EMAIL spencer.nelson@comlink-solutions.com

ADDRESS OF WORK SITE 109th Ave NE, MN 55449

CITY Blaine

NATURE OF WORK Install Duct and Fiber

METHOD OF INSTALLATION/CONSTRUCTION Bore

SURFACE TO BE DISTURBED	SITE PLAN	WILL TRAFFIC BE OBSTRUCTED?	TRAFFIC CONTROL PLAN
<input checked="" type="checkbox"/> DITCH	TO BE SUBMITTED VIA EMAIL	No	TO BE SUBMITTED VIA EMAIL
<input checked="" type="checkbox"/> GRAVEL			
<input type="checkbox"/> BITUMINOUS			
<input type="checkbox"/> CONCRETE			
<input type="checkbox"/> NONE			

DEPTH FROM SURFACE 48"

SIZE AND KIND OF PIPE/CABLE 1.25 Conduit + 72F fiber

NUMBER OF EXCAVATIONS 1

SIZE OF EXCAVATIONS 1186'

LOCATION OF EXCAVATIONS

Start at the intersection on County rd 12 and County 17. Head east on County 12 for approx. 1200'. End at intersection of County 12 and Infinite Campus Ent.

ADDITIONAL DOCUMENTS

TO BE SUBMITTED VIA EMAIL - CITY/MNDOT PERMITS, PHOTOS OF AREA, ETC.

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY
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GENERAL INFORMATION	
ONE PERMIT MUST BE APPROVED FOR EACH COUNTY ROAD ON WHICH WORK WILL BE PERFORMED PRIOR TO ANY WORK WITHIN THE RIGHT OF WAY BY ANY UTILITY/CONTRACTOR. EMERGENCY CONDITIONS WHICH THREATEN THE SAFETY OF THE PUBLIC AND REQUIRE IMMEDIATE REPAIR ARE EXCEPTIONS TO THIS RULE. UNDER THOSE CIRCUMSTANCES, THE UTILITY/CONTRACTOR, IS PERMITTED TO BEGIN AND/OR COMPLETE THE NECESSARY REPAIRS. ACTD SHALL BE NOTIFIED OF EMERGENCY REPAIRS AS SOON AS FEASIBLE AND A WRITTEN PERMIT IS TO BE COMPLETED WITHIN TWO BUSINESS DAYS OF OCCURRENCE.	
A LICENSE-PERMIT BOND IS GENERALLY REQUIRED OF THE CONTRACTOR AS PART OF THE REGISTRATION PROCESS. THE AMOUNT OF WHICH WILL BE DETERMINED BY THE NATURE OF THE UTILITY WORK.	
A SKETCH OR DRAWING SHALL ACCOMPANY EACH PERMIT APPLICATION WHICH WILL SHOW THE LOCATION OF THE PROPOSED WORK/UTILITY WITH REFERENCE TO THE COUNTY HIGHWAY CENTER LINE AND RIGHT OF WAY LINE. A COMPLETE SET OF PLANS IS REQUIRED FOR ALL SEWER/WATER PROJECTS.	
IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO DETERMINE WHICH OF THE SPECIAL CONDITIONS APPLY TO EACH PERMIT.	
THE ANOKA COUNTY TRANSPORTATION DIVISION (ACTD) RESERVES THE RIGHT TO REVOKE ANY UTILITY PERMIT AND HALT WORK, IF, UPON INSPECTION OF ANY JOB SITE, THE SPECIAL CONDITIONS ARE NOT MET, AND/OR A HAZARD EXISTS FOR THE APPLICANT OR PUBLIC SAFETY IS THREATENED. THE FAILURE TO COMPLY WITH THE TERMS AND CONDITIONS OF ANY APPLICABLE FEDERAL, STATE, REGIONAL, AND LOCAL LAWS, RULES AND REGULATIONS, INCLUDING ANY PROVISION OF ANOKA COUNTY'S RIGHT-OF-WAY ORDINANCE SHALL BE CAUSE FOR IMMEDIATE REVOCATION OF A PERMIT.	
THE APPLICANT SHALL NOTIFY ACTD IMMEDIATELY UPON COMPLETION OF PROJECT SO THAT THE ACTD CAN INSPECT THE SITE TO DETERMINE WHETHER OR NOT RESTORATION HAS BEEN SATISFACTORILY COMPLETED.	
THE UNDERSIGNED, HEREBY ACCEPTS THE TERMS AND CONDITIONS OF THIS PERMIT AND THE REGULATIONS OF ANOKA COUNTY, AND AGREES TO FULLY COMPLY THEREWITH TO THE SATISFACTION OF THE ACTD. THE COUNTY OF ANOKA, ITS OFFICIALS, EMPLOYEES, AND AGENTS, SHALL BE HELD HARMLESS, BY THE APPLICANT/PERMITTEE, FROM ANY DEMANDS, CLAIMS, LAWSUITS, OR DAMAGES RELATING TO THE WORK DESCRIBED IN THIS PERMIT.	
APPLICANT'S SIGNATURE Juan Thor	DATE 2/27/2023

Digitally signed by Juan Thor
 DN: C=US, E=juan.thor@isginc.com, O=ISG inc, CN=Juan Thor
 Date: 2023.02.27 15:23:50-06'00'

AUTHORIZATION OF PERMIT	
IN CONSIDERATION OF THE APPLICANT'S AGREEMENT TO COMPLY IN ALL RESPECTS WITH THE REGULATIONS OF THE ACTD COVERING SUCH OPERATIONS, PERMISSION IS HEREBY GRANTED FOR THE WORK TO BE DONE AS DESCRIBED IN THE ABOVE APPLICATION. SAID WORK TO BE DONE IN ACCORDANCE WITH THE GENERAL CONDITIONS LISTED ABOVE AND THE SPECIAL CONDITIONS REQUIRED AS HEREBY STATED. IT IS EXPRESSLY UNDERSTOOD THAT THIS PERMIT IS CONDITIONED UPON REPLACEMENT OR RESTORATION OF THE COUNTY HIGHWAY AND ITS RIGHT OF WAY TO THEIR ORIGINAL OR TO A SATISFACTORY CONDITION. IT IS FURTHER UNDERSTOOD THAT THIS PERMIT IS ISSUED SUBJECT TO THE APPROVAL OF LOCAL CITY OR TOWNSHIP AUTHORITIES HAVING JOINT SUPERVISION OVER SAID STREET OR HIGHWAY.	
APPROVED BY: <i>Susan Burgmeier</i> TITLE: <i>Associate Traffic Technician</i>	DATE 03/08/2023

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SPECIAL CONDITIONS

TRAFFIC CONTROL

- 1) DETOURS
 - a) 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) TEN DAYS 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 TEN DAYS 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.
- 2) 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

- 1) OPEN CUTTING OF BITUMINOUS OR CONCRETE SURFACED ROADS WILL BE ALLOWED ONLY AT THE DISCRETION OF THE COUNTY ENGINEER.
- 2) NEITHER SUPPLIES NOR EXCAVATION MATERIALS SHALL BE PLACED ON THE BITUMINOUS OR CONCRETE SURFACE AT ANY TIME.
- 3) NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- 4) MATERIALS REMOVED FROM THE TRENCH SHALL BE USED AS BACKFILL INSOFAR AS THEY ARE SUITABLE. ALL BACKFILL MATERIAL 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 THE ACTD. 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.
- 5) ALL CULVERTS, DITCHES, SHOULDERS, AND BACKSLOPES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE DIRECTED BY THE ACTD. 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.
- 6) ALL ROADWAY MAINTENANCE REQUIRED WITHIN THE LIMITS OF THE UTILITY PROJECT THAT IS RELATED TO THE APPLICANT'S ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT FOR ONE YEAR AFTER COMPLETION OF THE PROJECT. UPON COMPLETION OF THE RESTORATION WORK, THE APPLICANT SHALL REQUEST A FINAL INSPECTION BY THE ACTD. THE ACTD'S APPROVED COMPLETION DATE SHALL BE THE STARTING DATE OF THE APPLICANT'S ONE YEAR RESPONSIBILITY.

HORIZONTAL BORING AND JACKING

- 1) ALL HARD SURFACE ROADWAYS SHALL BE JACKED OR BORED.
- 2) 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 LEAD THE CASING OR CARRIER PIPE BY AT LEAST SIX INCHES WHENEVER POSSIBLE AND NEVER LEAD THE CARRIER PIPE BY MORE THAN ONE INCH.
- 3) 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.
- 4) IF A PNEUMATIC DEVICE IS USED FOR THE WORK PERMITTED HEREIN, THE INSTALLATION MUST BE KEPT TO A MINIMUM OF FOUR FEET BELOW THE SURFACE OF THE ROADWAY IF THE PNEUMATIC DEVICE IS LESS THAN TWO INCHES IN DIAMETER, AND A MINIMUM OF FIVE FEET BELOW THE SURFACE OF THE ROADWAY IF THE PNEUMATIC DEVICE IS TWO INCHES IN DIAMETER OR LARGER.

BITUMINOUS RESTORATION

- 1) THE LOCATIONS AND DIMENSIONS OF ALL OPENINGS TO BE MADE IN THE BITUMINOUS SURFACE SHALL BE APPROVED BY THE ACTD PRIOR TO ANY CUTTING OR ANY SURFACE OPENING OPERATIONS.
- 2) ALL OPENINGS IN BITUMINOUS SURFACES SHALL BE CUT IN A STRAIGHT LINE WITH THE SIDES SMOOTH AND VERTICAL. NO RAGGED EDGES WILL BE PERMITTED. CUTTING SHALL BE DONE WITH A CONCRETE SAW.
- 3) ALL NECESSARY DUST CONTROL OPERATIONS SHALL BE CARRIED OUT BY THE APPLICANT AT NO EXPENSE TO ANOKA COUNTY.
- 4) THE MINIMUM REQUIREMENT FOR SUBGRADE REPLACEMENT SHALL BE THE UPPER TWELVE INCHES OF MATERIAL AND SHALL MEET MNDOT SPECIFICATIONS FOR CLASS FIVE PLACED IN SIX INCH LAYERS COMPACTED TO ONE HUNDRED PERCENT OF OPTIMUM DENSITY.
- 5) ALL MANHOLE CASINGS, GATE VALVES, AND OTHER UTILITY STRUCTURES SHALL BE SET ONE QUARTER INCH BELOW THE TOP OF THE FINISHED SURFACE.
- 6) BITUMINOUS TACK COAT MATERIALS AND APPLICATION THEREOF SHALL CONFORM TO MNDOT SPECIFICATION 2357.
- 7) 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 ACTD. BITUMINOUS SURFACING SHALL BE REPLACED TO ORIGINAL PAVEMENT DEPTH OR TO A MINIMUM OF SIX INCHES OF BITUMINOUS MIXTURE (2360), WHICHEVER IS GREATER. BITUMINOUS MIXTURES MUST BE PLACED IN LIFTS NOT EXCEEDING THREE INCHES IN THICKNESS FOR BASE AND BINDER COURSES AND NOT EXCEEDING TWO INCHES FOR THE WEAR COURSE.
- 8) ALL SURFACE RESTORATION REGARDLESS OF SIZE SHALL CONFORM TO EXISTING GRADES.
- 9) 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 THE ACTD.

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CONCRETE RESTORATION

- 1) CURB AND GUTTER, SIDEWALKS, AND DRIVEWAYS SHALL BE RESTORED IN ACCORDANCE WITH MNDOT SPECIFICATIONS 2531 AND 2521.

UTILITY LINES

- 1) THERE SHALL BE ONLY A SINGLE POLE LINE ON THE COUNTY RIGHT OF WAY ON EITHER SIDE OF THE CENTER LINE THEREOF.
- 2) EXACT LOCATIONS OF LONGITUDINAL INSTALLATIONS ON COUNTY HIGHWAYS SHALL BE LOCATED AS DIRECTED BY THE ACTD.

SECTION CORNER MONUMENTS

- 1) UTILITY LOCATIONS SHALL NOT INTERFERE WITH THE LOCATION OF ANY SECTION, QUARTER, WITNESS, OR RIGHT OF WAY MONUMENTS. FOR ASSISTANCE IN LOCATIONS, CONTACT THE ANOKA COUNTY SURVEYOR'S OFFICE.
- 2) THE APPLICANT SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING PROPERTY IRONS DISTURBED DURING CONSTRUCTION.
- 3) THE APPLICANT SHALL NOTIFY THE ANOKA COUNTY SURVEYOR'S OFFICE THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED DISTURBANCE OF ANY SECTION, QUARTER, WITNESS, OR RIGHT OF WAY MONUMENTS.
- 4) ANY MONUMENT DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE RESET BY THE ANOKA COUNTY SURVEYOR'S OFFICE AT THE EXPENSE OF THE APPLICANT.

ATTACHING TO BRIDGES/STRUCTURES

- 1) NO UTILITY IS 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.

INITIAL JCT

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, INSTALLERS, AND CREW SHALL POSSESS A COPY 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

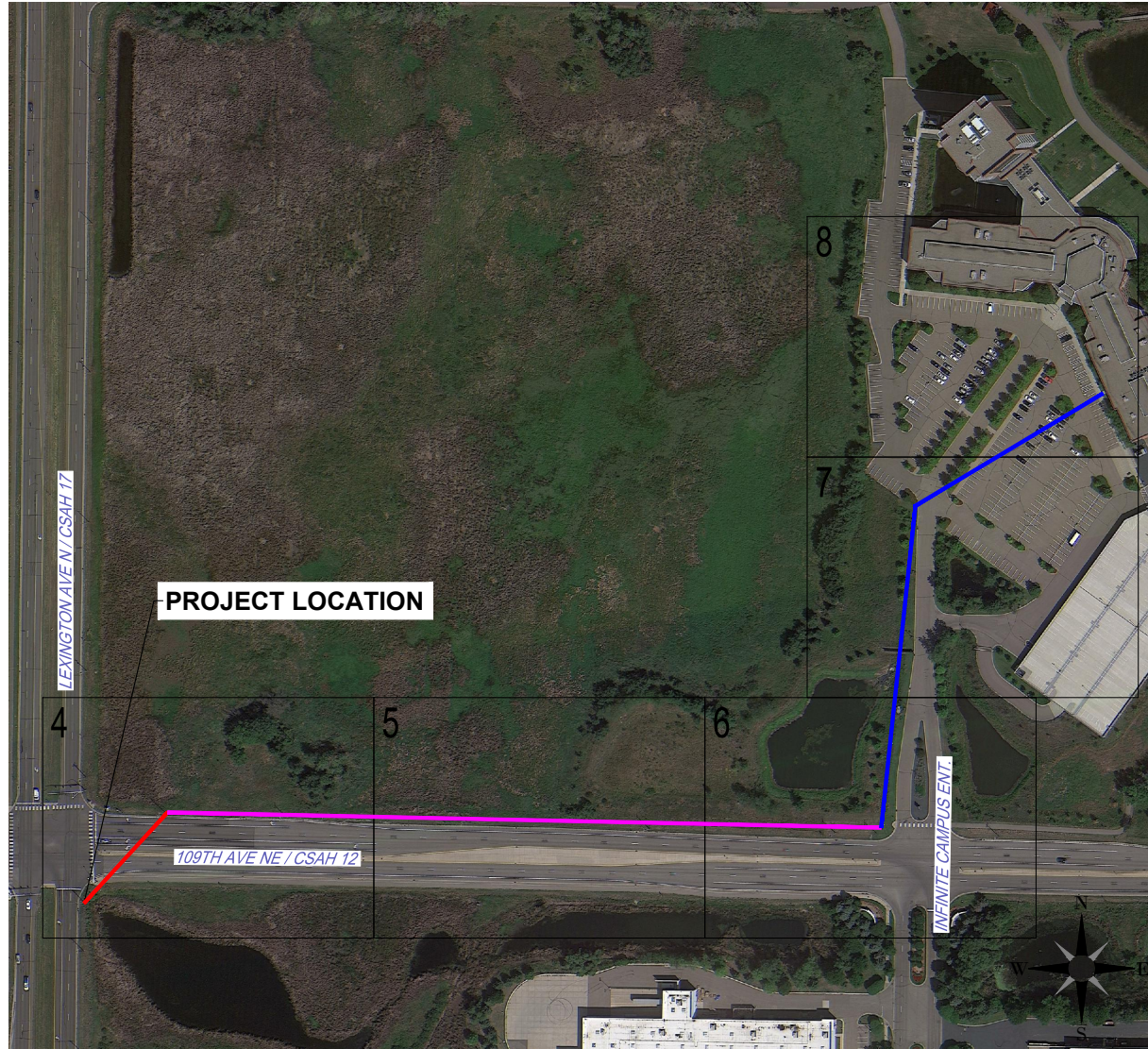
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE MNDOT TEMPORARY TRAFFIC CONTROL FIELD MANUAL
- SHALL USE A SHOULDER CLOSURE (LAYOUT 8) IF ANY PORTION OF THE SHOULDER IS ENCROACHED
- SHALL USE A RTL CLOSURE (LAYOUT 33), 9AM-3PM ONLY, IF ANY PORTION OF THE ROADWAY IS ENCROACHED
- 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
- PITS TO BE PROTECTED AT ALL TIMES. TO BE BACKFILLED WHEN UNATTENDED OR OVERNIGHT
- SHALL CONTACT ANOKA COUNTY SIGNAL DEPARTMENT @ 651-801-8969 FOR SIGNAL RELATED WORK
- FOR WORK NOT IN ANOKA COUNTY ROW, SHALL CONTACT THE APPROPRIATE ATHORITIES FOR PERMISSION/PERMIT TO WORK

ZAYO COMLINK 4321 109TH BLAINE



BLAINE, MN

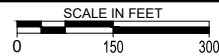
ISG PROJECT # 22-28462



MAP LEGEND:

- UNDERGROUND
- AERIAL
- OVERPULL

LOCATION MAP



ESTIMATED PROJECT TOTALS

DESCRIPTION	UNITS	QUANTITY
TOTAL FOOTAGE (ANOKA COUNTY)	LF	1407
BORE (ANOKA COUNTY)	LF	1186
OVERPULL (ANOKA COUNTY)	LF	22
OVERHEAD (ANOKA COUNTY)	LF	199
POLE ATTACHMENTS (XCEL ENERGY)	EACH	2

SHEET INDEX

- 1 TITLE
 - OVERVIEW MAP
 - PROJECT TOTALS
 - GENERAL NOTES
- 2 LEGENDS-NOTES
 - SYMBOL LEGEND
 - LINETYPE LEGEND
 - CONSTRUCTION NOTES
 - ABBREVIATIONS
- 3 BOM
- 4-8 PLAN SHEET

PROJECT CONTACTS

COMPANY NAME	CONTACT	PHONE NUMBER
ZAYO	SPENCER NELSON	612-346-5484

GIS DISCLAIMER:

INFORMATION FOR THE BOUNDARY / LOT LINES, AND UNDERGROUND UTILITIES SHOWN WAS DERIVED FROM DIGITAL DATABASES AND IS FOR INFORMATIONAL PURPOSES ONLY. DATA MAY NOT HAVE BEEN PREPARED FOR, OR BE SUITABLE FOR, LEGAL, ENGINEERING, OR SURVEYING PURPOSES.

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).



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PROJECT		
ZAYO		
4321 109TH BLAINE		
BLAINE MN		
REVISION SCHEDULE		
DATE	DESCRIPTION	BY
PROJECT NO.	22-28462	
FILE NAME	28462-UTILITY	
DRAWN BY	JCT	
DESIGNED BY	SN	
REVIEWED BY	KV	
ORIGINAL ISSUE DATE	2/1/2023	
CLIENT PROJECT NO.	124351	

PROJECT INDEX:

OWNER:
ZAYO

PROJECT ADDRESS / LOCATION:
S13 / T31N / R23W

ADDRESS: 4321 109TH AVE NE,
BLAINE, MN 55449, MN

LATITUDE: 45.17039357292572
LONGITUDE: -93.1571147743729

MANAGING OFFICE:



BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699

PROJECT MANAGER: JAKE JORDAN
EMAIL: jake.jordan@ISGinc.com

TITLE

TITLE

SHEET

1

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PROJECT

ZAYO
4321 109TH
BLAINE

BLAINE MN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-28462
FILE NAME	28462-UTILITY
DRAWN BY	JCT
DESIGNED BY	SN
REVIEWED BY	KV
ORIGINAL ISSUE DATE	2/1/2023
CLIENT PROJECT NO.	124351

TITLE

LEGENDS-NOTES

SHEET

2

8

GENERAL CONSTRUCTION NOTES:

- CONSTRUCTION PERMITS OR NOTIFICATIONS HAVE BEEN COMPLETED OR APPLIED FOR BY ISG.
- ANY ADJACENT AREAS DAMAGED DURING CONSTRUCTION MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY IRONS DURING CONSTRUCTION AND RESET BY A LICENSED LAND SURVEYOR IF DISTURBED.
- ROUTE DEVIATIONS SHALL NOT BE ALLOWED WITHOUT CONCURRENCE OF DESIGNER.
- BRUSHING AND TREE REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR WITH THE FOLLOWING CONDITIONS:
-ALL BRUSH AND TREES ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- ALL ROCKS TURNED UP DURING PLACEMENT MUST BE REMOVED BY CONTRACTOR OR PLACED BACK IN TRENCH DURING RESTORATION SO AS NOT TO CAUSE A HAZARD FOR VEHICLE OR FOOT TRAVEL.
- ALL ABRUPT CHANGES IN GRADE SUCH AS BERMS AND DITCHES SHALL BE GRADUALLY SLOPED AND RESTORED TO THEIR NATURAL STATE.
- UNLESS OTHERWISE SPECIFIED BY THE DESIGNER, THE CABLE PLACING DEPTHS ARE:

FIBER OPTIC CABLE
MINIMUM DEPTH IN SOIL: 36"
MINIMUM DEPTH AT ROAD CROSSING: 60" (IN RURAL AREAS)
- THE CONTRACTOR IS RESPONSIBLE FOR PLACING ROAD GRAVEL IN ALL HAND HOLES PLACED OR ENTERED.
- A MINIMUM 6" BED OF ROAD GRAVEL SHOULD BE PLACED PRIOR TO SETTING HAND HOLES.
- ACORN TYPE HEX HEAD THREADED GROUND ROD CLAMPS SHOULD BE USED TO FASTEN GROUND WIRE TO GROUND RODS IN HAND HOLES WITHOUT RHINO TEST STATIONS.
- ALL CABLE, DUCT & TRACER WIRE SHOULD BE TAGGED BY CONSTRUCTION CONTRACTOR.
- BORES OVER 500 FT. MAY BE BROKEN UP INTO SHORTER BORES FOR CONTRACTORS CONVENIENCE, WITH THE EXCEPTION TO PLACING BORE PITS IN WETLANDS WHICH WILL HAVE TO BE APPROVED BY DESIGNER.
- PROPOSED WETLAND BORE PITS SHOULD BE RECEIVING PITS ONLY, PREFERABLY COUPLING OF DUCT BE COMPLETED BY HAND-DIGGING ONLY. DO NOT SET UP THE BORE RIG IN WETLANDS, WITHOUT PRIOR AUTHORIZATION.
- ALL AERIAL CONSTRUCTION TO MEET NESC AND RUS SPECIFICATIONS.
- PROPOSED PLACEMENT OF FACILITIES IS BASED ON DESIGN AND PLANNING LOCATES OBTAINED THROUGH THE STATE ONE CALL SYSTEM. ACTUAL FACILITY PLACEMENT IS SUBJECT TO CHANGE BASED ON FIELD LOCATES ENCOUNTERED DURING CONSTRUCTION.
- PERMITS (PERMIT BOOK WILL BE PROVIDED PRIOR TO CONSTRUCTION). THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND FOLLOWING ANY AND ALL STIPULATIONS SET FORTH BY THE PERMIT ENTITIES.

SYMBOL LEGEND

EXISTING	PROPOSED
SS, SAN, W, G, E, T, TV, FO	MANHOLE
EX CB	STORM INLET
EX CO SS	STORM CLEANOUT
SS	STORM CULVERT
EX CO SAN	BOX CULVERT
EX CO SAN	SANITARY CLEANOUT
M	WATER VALVE
W	WELL
EX HYD	HYDRANT
U	UTILITY POLE
L	LIGHT POLE
D	DOWN GUY + ANCHOR
G	GROUND
A	AERIAL SLACK LOOP
S	SLACK COIL
SP	SPLICE POINT
T	TRANSFORMER
U	UTILITY PED/CABINET
H	HANDHOLE
E	ELECTRIC METER
A	AIR CONDITIONER
G	GAS METER
G	GAS VALVE
C	CELL TOWER
EX SIGNAL	TRAFFIC SIGNAL / LIGHT
U	UTILITY WARNING MARKER
R	RIGHT-OF-WAY MARKER
S	SIGN
ST	STREET SIGN
RR	RAILROAD CROSSING SIGN
B	BORE PIT
S	SIDEWALK OR PAVEMENT REMOVAL
T	DECIDUOUS TREE
C	CONIFEROUS TREE
B	BUSH
M	WETLAND / MARSH
R	ROCK

NOTE:
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

LINETYPE LEGEND

EXISTING	PROPOSED
SS	DIRECTIONAL BORE
SAN	STORM DRAIN
W	SANITARY SEWER
G	WATER MAIN
OH	GAS
E	OVERHEAD UTILITY
T	UNDERGROUND ELECTRIC
TV	UNDERGROUND TELEPHONE
FO	UNDERGROUND TV
SL/TC	UNDERGROUND FIBER OPTIC
WET	STREET LIGHT/TRAFFIC CONTROL CONDUIT
W-1	WETLAND
S-1	WETLAND POLYGON
X	WATERWAY POLYGON
PL	FENCE LINE
RW	PROPERTY / LOT LINE
EOP	RIGHT OF WAY LINE
EOG	EDGE OF PAVEMENT
FOC	EDGE OF GRAVEL
EL	FACE OF CURB
	CENTERLINE
	EDGE OF BUILDING
	GUARD RAIL
	ACCESS CONTROL
	EASEMENT LINE
100	CONTOURS (MAJOR)
101	CONTOURS (MINOR)

NOTE:
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

ABBREVIATIONS:

AC	ACRE	CONST	CONSTRUCTION	GA	GAUGE	IPS	IRON PIPE SIZE	OZ	OUNCE	STA	STATION
ADA	AMERICANS WITH DISABILITIES ACT	CONT	CONTINUOUS	GAL	GALLON	J-B	JUNCTION BOX	PE	PEDESTAL, PEDESTRIAN	SY	SQUARE YARD
ADD	ADDENDUM	CY	CUBIC YARD	GALV	GALVANIZED	JT	JOINT	PERF	PERFORATED	T/C	TOP OF CURB
AFF	ABOVE FINISHED FLOOR	C&G	CURB AND GUTTER	GC	GENERAL CONTRACTOR	LF	LINEAR FEET	PL	PROPERTY LINE	TEL	TELEPHONE
AGG	AGGREGATE	DEMO	DEMOLITION	GFE	GARAGE FLOOR ELEVATION	LN	LINEAR	PP	POLYPROPYLENE	TEMP	TEMPORARY
APPROX	APPROXIMATE	DIA	DIAMETER	GL	GUTTER LINE	LPS	LOW PRESSURE STEAM	PSI	POUNDS PER SQUARE INCH	THRU	THROUGH
ARCH	ARCHITECT, ARCHITECTURAL	DIM	DIMENSION	GPM	GALLONS PER MINUTE	LS	LUMP SUM	PVC	POLYVINYL CHLORIDE	TNHF	TOP NUT OF FIRE HYDRANT
BFE	BASEMENT FLOOR ELEVATION	DS	DOWNSPOUT	GV	GATE VALVE	LSO	LOWEST STRUCTURAL OPENING	PVMT	PAVEMENT	TRANS	TRANSFORMER
BIT	BITUMINOUS	EA	EACH	HDPE	HIGH DENSITY POLYETHYLENE	MAX	MAXIMUM	QTY	QUANTITY	TV	TELEVISION
CAD	COMPUTER-AIDED DESIGN	ELEC	ELECTRICAL	HD	HEAVY DUTY	MB	MAIL BOX	RAD	RADIUS	T/W	TOP OF WALL
CB	CATCH BASIN	ELEV	ELEVATION	HH	HANDHOLE	MECH	MECHANICAL	RCP	REINFORCED CONCRETE PIPE	TYP	TYPICAL
CFS	CUBIC FEET PER SECOND	EOF	EMERGENCY OVERFLOW	HORIZ	HORIZONTAL	RD	ROOF DRAIN	RD	ROOF DRAIN	UT	UTILITY, UNDERGROUND TELEPHONE
CF	CUBIC FOOT	EQ	EQUAL	HR	HOUR	REBAR	REINFORCING BAR	REBAR	REINFORCING BAR	VCP	VITRIFIED CLAY PIPE
CI	CAST IRON	EX	EXISTING	HWL	HIGH WATER LEVEL	REM	REMOVE	ROW	RIGHT OF WAY	W/O	WITHOUT
CIP	CAST IRON PIPE	FDC	FIRE DEPARTMENT CONNECTION	HWY	HIGHWAY	R/W	RIGHT OF WAY	R/W	RIGHT OF WAY	W/	WITH
CIPC	CAST IN PLACE CONCRETE	FDN	FOUNDATION	HYD	HYDRANT	R/W	RIGHT OF WAY	R/W	RIGHT OF WAY	YD	YARD
CJ	CONTROL JOINT	FFE	FINISHED FLOOR ELEVATION	I	INVERT	SAN	SANITARY	SAN	SANITARY	YR	YEAR
CL	CENTERLINE	FPM	FEET PER MINUTE	ID	INSIDE DIAMETER	OC	ON CENTER	SCH	SCHEDULE		
CMP	CORRUGATED METAL PIPE	FPS	FEET PER SECOND	IN	INCH	OCEW	ON CENTER EACH WAY	SF	SQUARE FOOT		
CO	CLEANOUT	FT	FOOT, FEET	INV	INVERT	OH	OVERHEAD	SPEC	SPECIFICATION		
CONC	CONCRETE	FTG	FOOTING	IP	IRON PIPE	OHD	OVERHEAD DOOR	SQ	SQUARE		



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PROJECT

ZAYO

**4321 109TH
BLAINE**

BLAINE MN

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	22-28462
FILE NAME	28462-UTILITY
DRAWN BY	JCT
DESIGNED BY	SN
REVIEWED BY	KV
ORIGINAL ISSUE DATE	2/1/2023
CLIENT PROJECT NO.	124351

TITLE

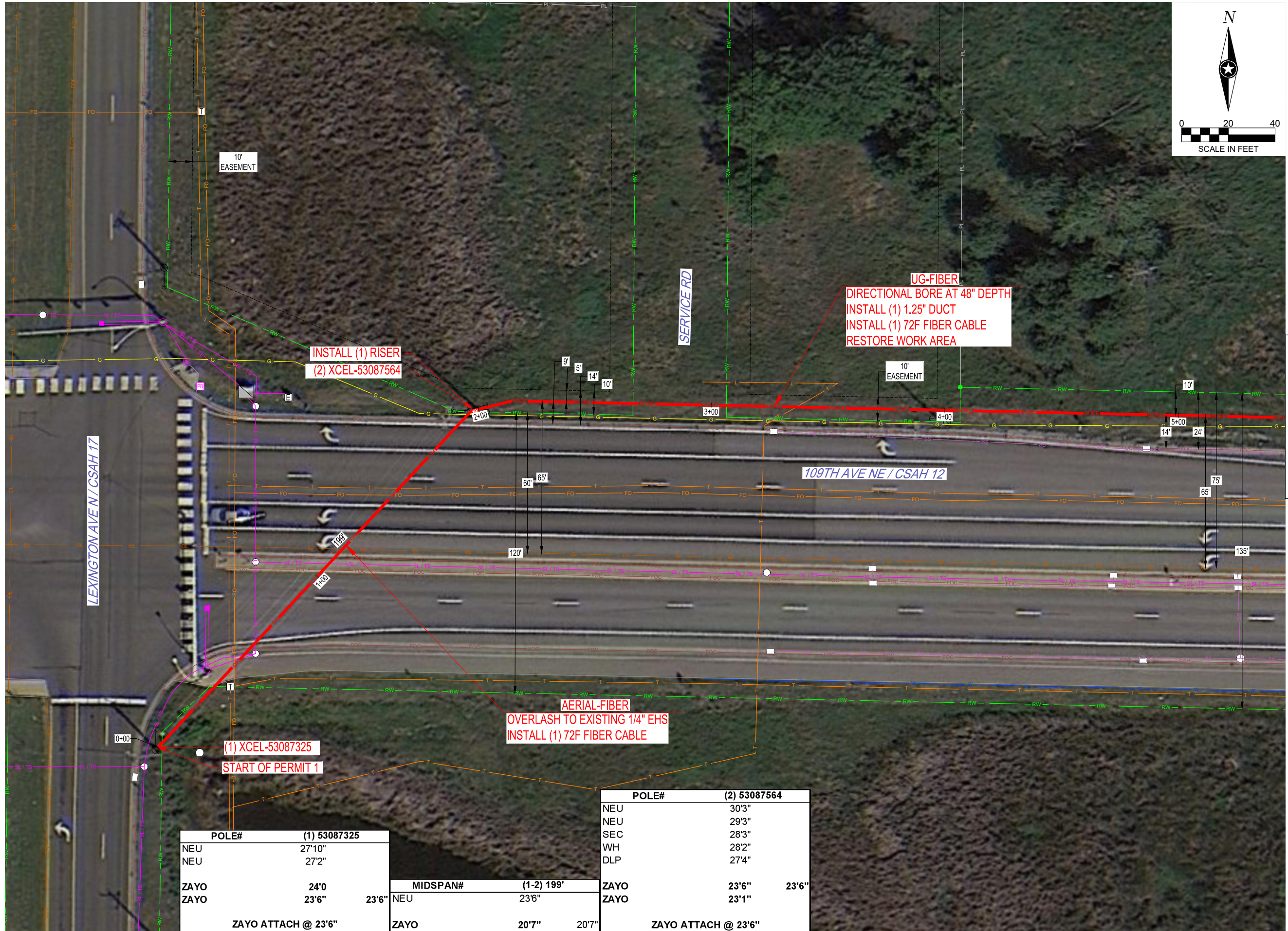
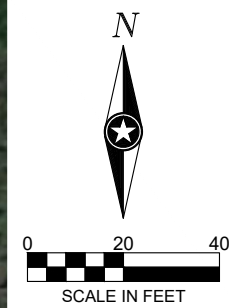
BOM

SHEET

3

RAKE OF SHEET

DESCRIPTION	UNITS	QUANTITY
OVERHEAD (OVERLASH)	LF	199
BORE	LF	1186
OVERPULL	LF	900
72F FIBER OPTIC CABLE	LF	2383
432F FIBER OPTIC CABLE	LF	0
.25 EHS	LF	0
1.25" HDPE DUCT	LF	1186
SLACK COIL 72F	LF	100
SPLICE CASE	EA	0
HAND HOLE	EA	1
GROUND ROD	EA	1
LOCATE STATION	EA	1
RISER	EA	1
DOWNGUY	EA	0
ANCHOR	EA	0



TO SHEET 5

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PROJECT
ZAYO
4321 109TH
BLAINE
 BLAINE MN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 22-28462
 FILE NAME 28462-UTILITY
 DRAWN BY JCT
 DESIGNED BY SN
 REVIEWED BY KV
 ORIGINAL ISSUE DATE 2/1/2023
 CLIENT PROJECT NO. 124351

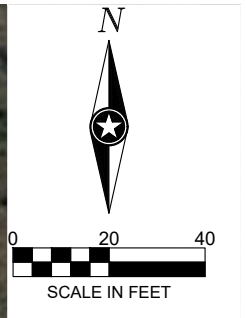
TITLE
PLAN SHEET

SHEET
4

POLE#	(1) 53087325
NEU	27'10"
NEU	27'2"
ZAYO	24'0"
ZAYO	23'6"
ZAYO ATTACH @ 23'6"	

MIDSPAN#	(1-2) 199'
NEU	23'6"
ZAYO	20'7"
ZAYO ATTACH @ 23'6"	

POLE#	(2) 53087564
NEU	30'3"
NEU	29'3"
SEC	28'3"
WH	28'2"
DLP	27'4"
ZAYO	23'6"
ZAYO	23'1"
ZAYO ATTACH @ 23'6"	



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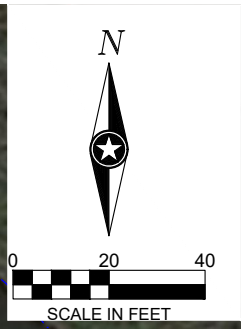
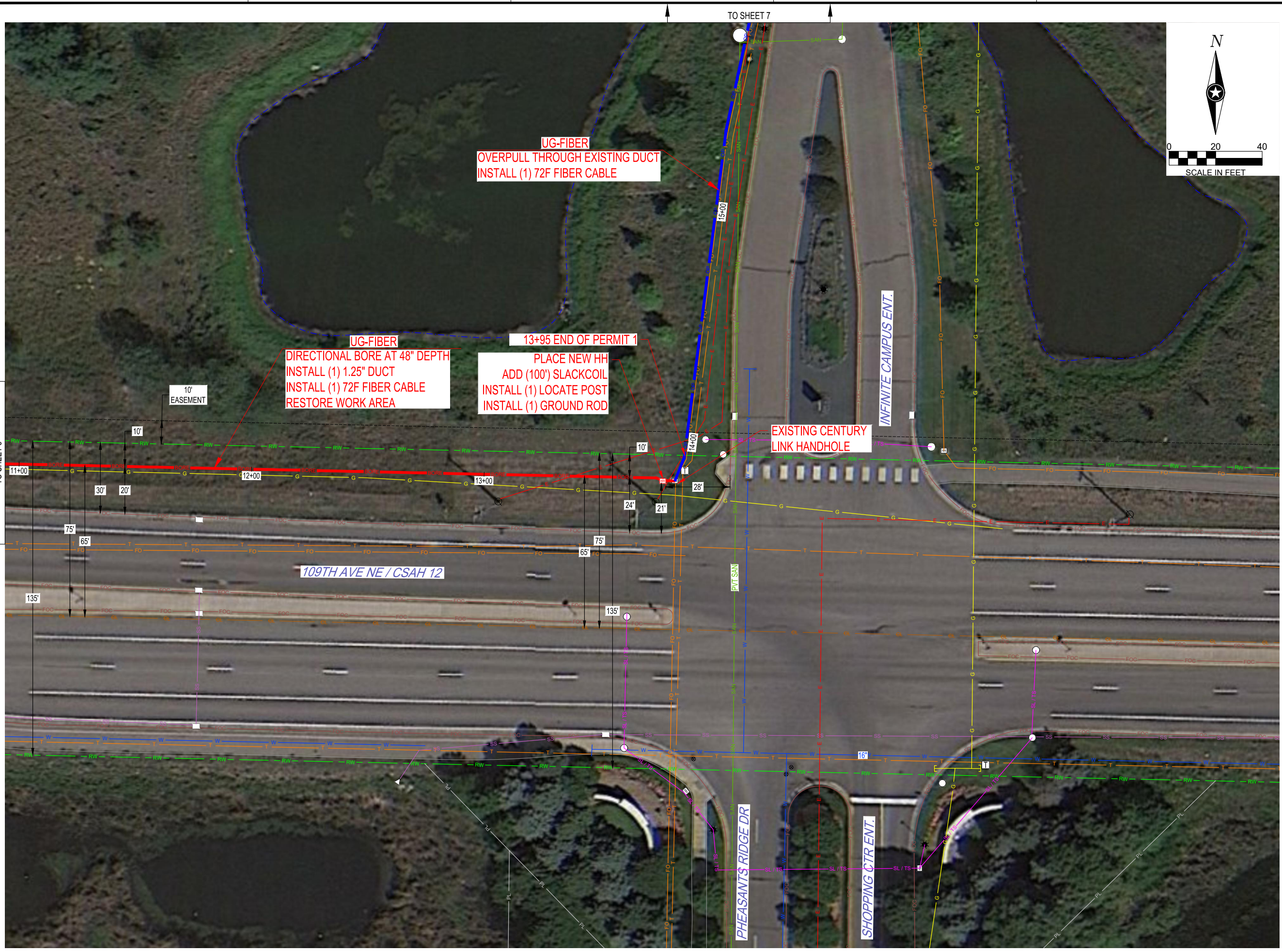
PROJECT
ZAYO
4321 109TH
BLAINE
 BLAINE MN

REVISION SCHEDULE		
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TITLE
PLAN SHEET

SHEET
5



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PROJECT
ZAYO
4321 109TH
BLAINE
 BLAINE MN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

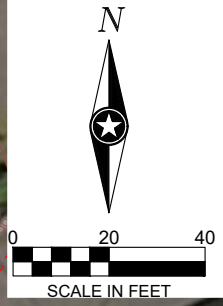
PROJECT NO. 22-28462
 FILE NAME 28462-UTILITY
 DRAWN BY JCT
 DESIGNED BY SN
 REVIEWED BY KV
 ORIGINAL ISSUE DATE 2/1/2023
 CLIENT PROJECT NO. 124351

TITLE
PLAN SHEET

SHEET
6



TO SHEET 8



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PROJECT
ZAYO
4321 109TH
BLAINE

BLAINE MN

REVISION SCHEDULE		
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CLIENT PROJECT NO.	124351

TITLE
PLAN SHEET

SHEET
7

TO SHEET 6



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ZAYO
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BLAINE
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TITLE
PLAN SHEET

SHEET
8

TO SHEET 7