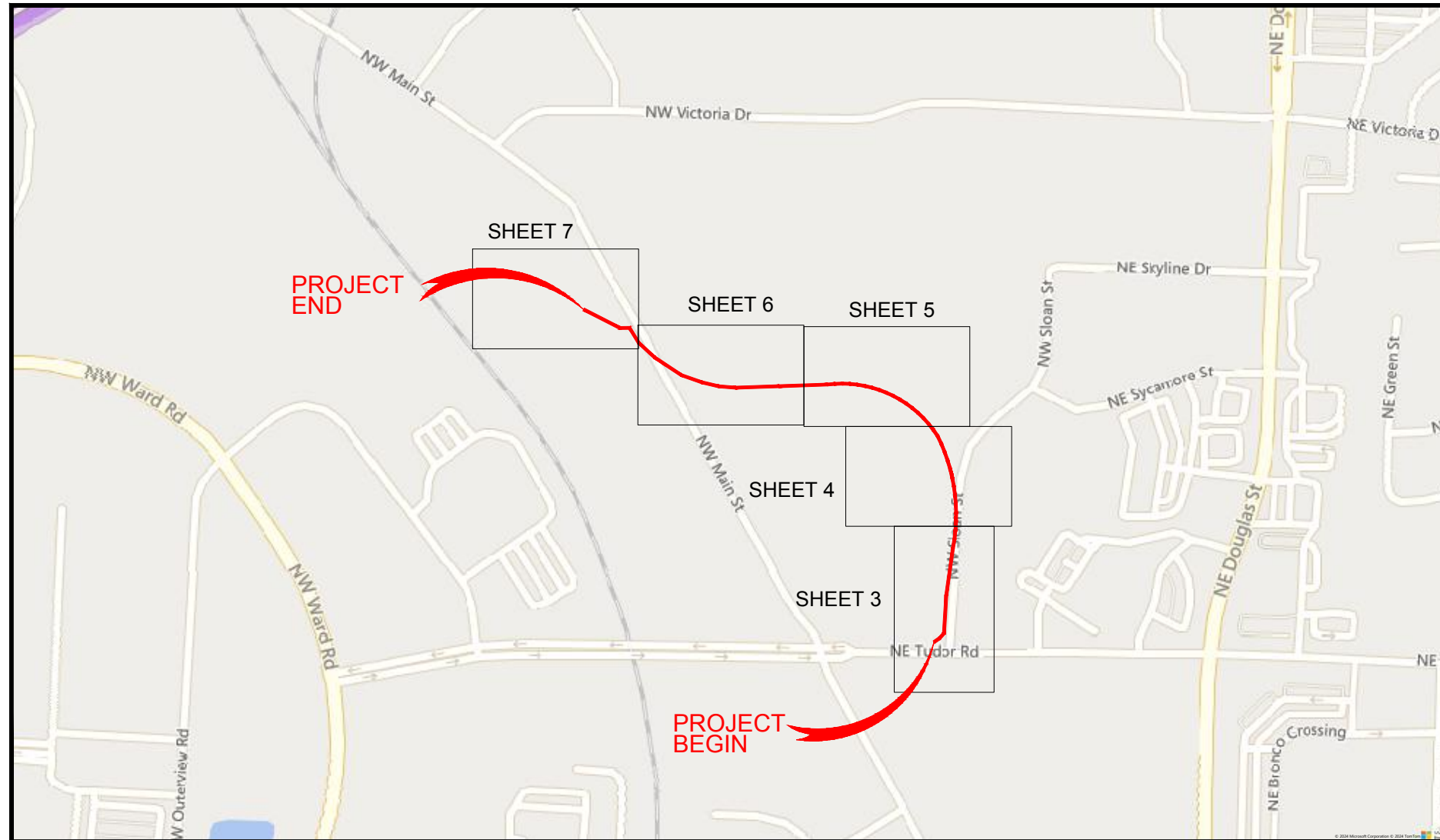


ADDRESS: 1220 NW MAIN ST, LEE'S SUMMIT, MO 64086
PROJECT NUMBER: 51821



VICINITY MAP

CONTACT INFO

RYAN CATRON
CONSTRUCTION MANAGER
816-381-0967
RYAN.CATRON@UPNFIBER.COM

ADAM GRACE
CONSTRUCTION TECHNICIAN
816-730-1066
ADAM.GRACE@UPNFIBER.COM

<u>WORK PLAN INDEX</u>	
SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES/LEGEND
3-7	DESIGN PLAN SHEETS
8	DETAIL SHEET
9	TYPICAL DETAILS
10	FINAL QUANTITIES



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TEL 913.381.1170 FAX 913.381.1174
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

















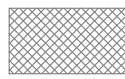














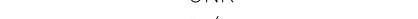

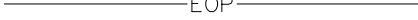
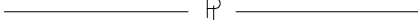



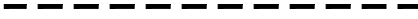


COVER SHEET	drawn by:	RMS		REV.	NO.	DATE	REVISIONS DESCRIPTION
	checked by:	AFV					
	approved by:	JMC					
	project no.:	51821					
	drawing no.:	UPN-104					
	date:	9/30/2024					
1220 NW MAIN ST							
LEE'S SUMMIT, MO	2024						REVISIONS
SHEET 1 OF 10							



Know what's **below**.
Call before you dig.



NOT TO SCALE

LEGEND-KEY		
	UTILITY POLE	
	UTILITY MANHOLE	
	UTILITY HANDHOLE	
	TELEPHONE PED - CROSS BOX	
	EXISTING MANHOLE	
	EXISTING HANDHOLE	
	EXISTING COIL	
	EXISTING AERIAL COIL	
	EXISTING DOWN GUY	
	EXISTING SPLICE POINT	
	TREE	
	PROPOSED MANHOLE	
	PROPOSED HANDHOLE	
	PROPOSED COIL	
	PROPOSED AERIAL COIL	
	PROPOSED DOWN GUY	
	PROPOSED SPLICE POINT	
	PROPOSED FIBER DISTRIBUTION PANEL	
	PROPOSED BORE PIT	
	PROPOSED PULL BOX	
R/L	PROPOSED RUNNING LINE	
F/L	FLOW LINE	
FOC	FIBER OPTIC CABLE	
EOP	EDGE OF PAVEMENT	
	CUT & RESTORE CONC./ASPH.	
	INLET	
	INLET GRATE	
		 G GAS  W WATER  T TELEPHONE  E ELECTRIC  SEW SANITARY SEWER (SEW)  SD STORM SEWER  X X FENCE  TV CABLE TV  STM STEAM  OIL OIL  UNK UNKNOWN UTILITY  R/W RIGHT OF WAY  EOP EDGE OF PAVEMENT  PL PROPERTY LINE  UTILITY EASEMENT UTILITY EASEMENT  WATER EASEMENT WATER EASEMENT  --- EXISTING CONDUIT  --- EXISTING AERIAL FIBER  --- EXISTING STRAND  --- PROPOSED CONDUIT  --- PROPOSED AERIAL FIBER  --- PROPOSED STRAND

1. CONTRACTOR MUST OBTAIN LOCATES PRIOR TO ANY TYPE OF EXCAVATION.

2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY REQUIRED PERMITS PERTAINING TO ALL ASPECTS OF THE PROJECT AND MUST HAVE THE APPROPRIATE PERMITS AT THE JOB SITE.

3. ALL CABLE WILL BE PLACED AT STANDARD MINIMUM DEPTH OF 36" IN UNPAVED AREAS AND 48" MINIMUM BELOW STREETS AT ALL TIMES, UNLESS OTHERWISE NOTED IN THE PLANS.

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 AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.

7. CONTRACTORS ARE ADVISED TO CONTACT UPN FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.

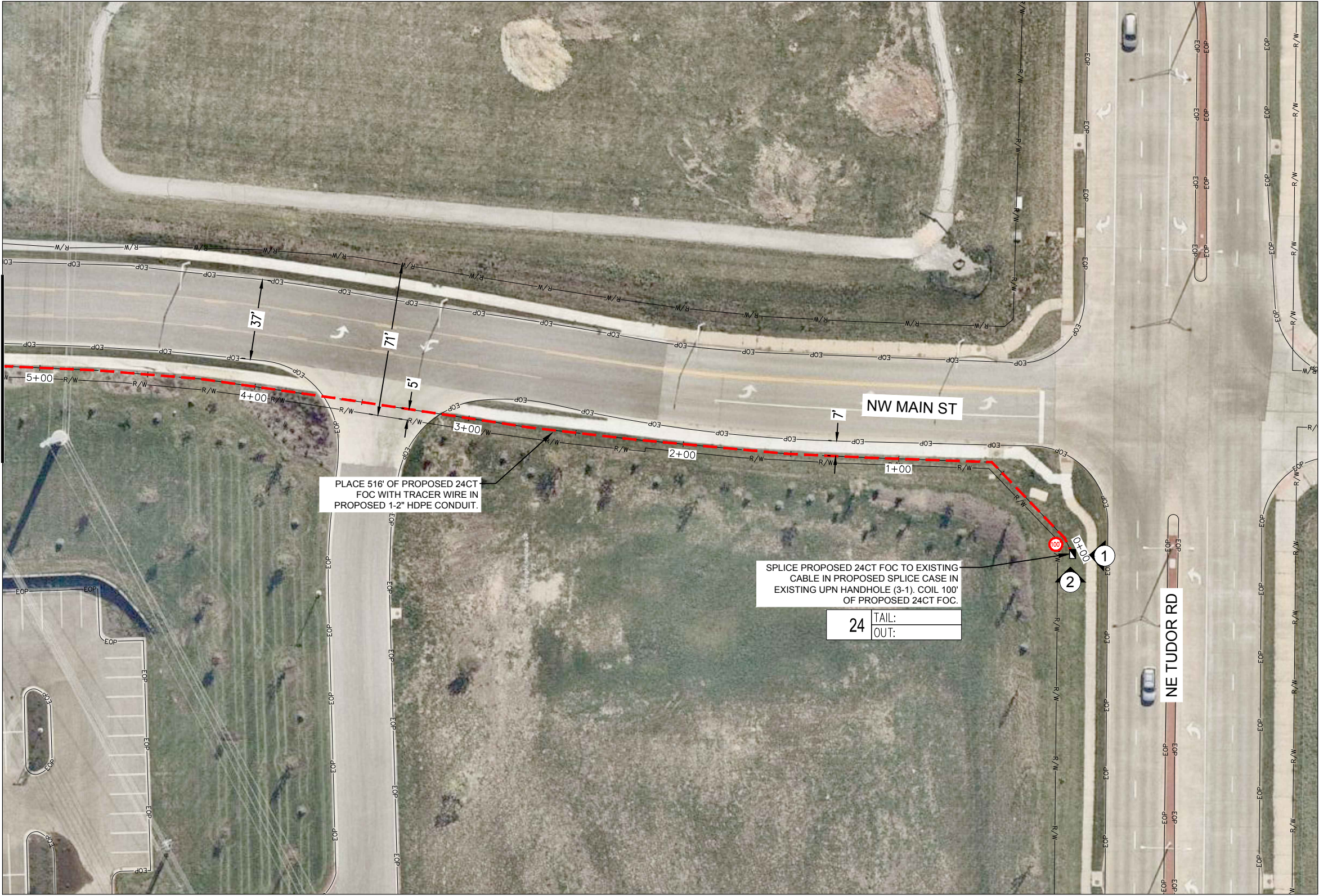
8. ANY FIELD ADJUSTMENTS TO THE PROPOSED PLAN MUST BE APPROVED BY AN APPROPRIATE UPN REPRESENTATIVE.

9. BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE THE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

10. OLSSON ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS (HORIZONTAL OR VERTICAL) OR RIGHT-OF-WAY LOCATION. THE EXISTING UTILITIES AND RIGHT-OF-WAY SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST INFORMATION AVAILABLE. IT IS HOWEVER, THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES AND RIGHT-OF-WAY PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

[illegible]

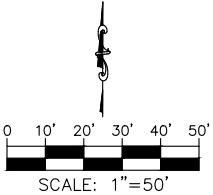
MATCH TO SHEET 4



EXISTING HANDHOLE 1



PROPOSED PATH 2



PROJECT SHEET

1220 NW MAIN ST

LEE'S SUMMIT, MO

2024

REV. NO.

DATE

REVIEWS DESCRIPTION

olsson

Unite PRIVATE NETWORKS

drawn by: RMS

checked by: AFV

approved by: JMC

project no.: 51821

drawing no.: UPN-104

date: 9/30/2024

SHEET

3 OF 10

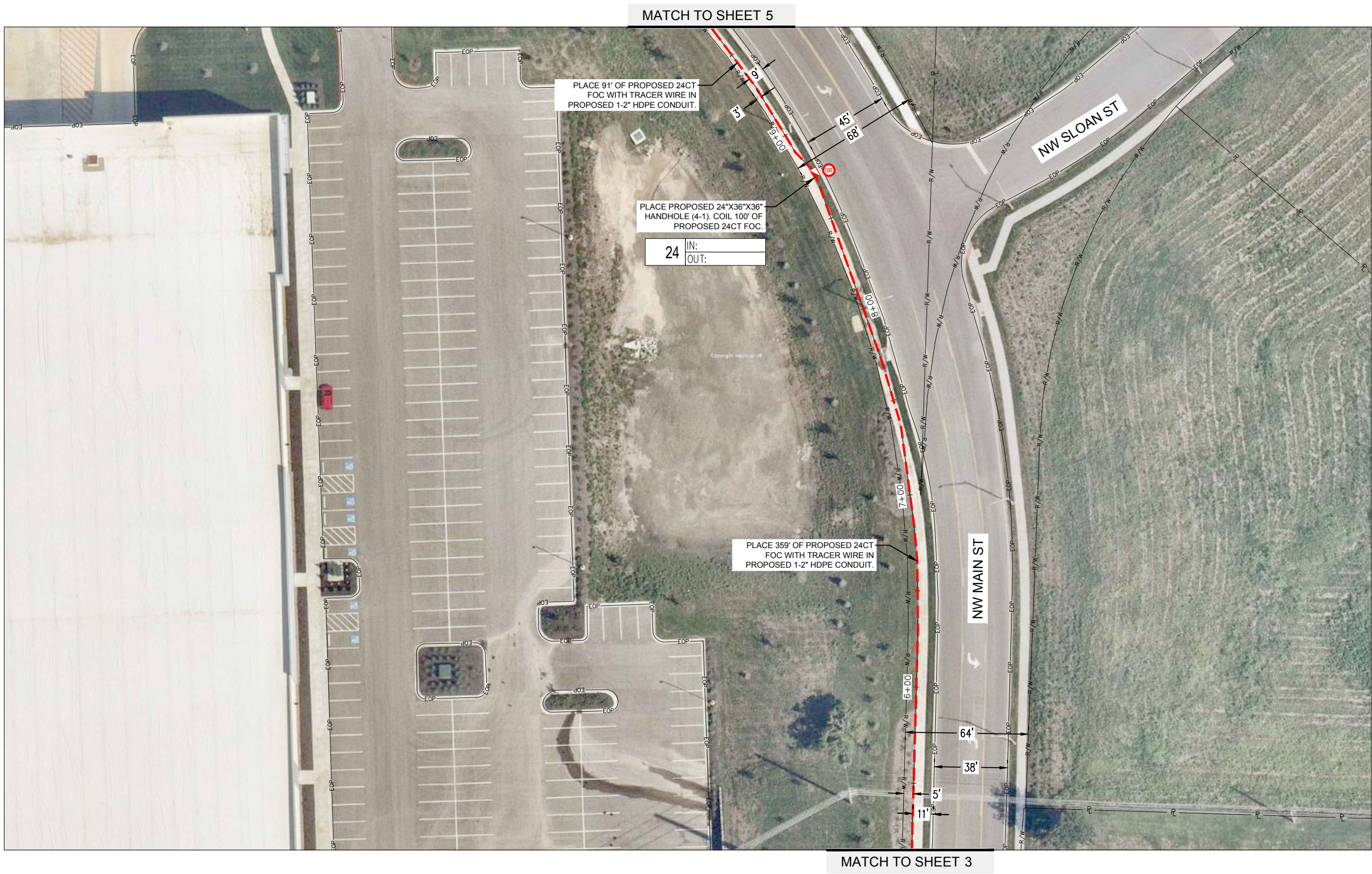
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FAX 913.381.1174

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REVISIONS

DWG: F:\2024\00001-00500\01



MATCH TO SHEET 3

MATCH TO SHEET 5

PLACE 91' OF PROPOSED 24CT-
FOC WITH TRACER WIRE IN
PROPOSED 1-2" HDPE CONDUIT.

PLACE PROPOSED 24"X36"X36"
HANDHOLE (4-1). COIL 100' OF
PROPOSED 24CT FOC.

24	IN:
	OUT:

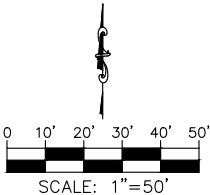
PLACE 359' OF PROPOSED 24CT
FOC WITH TRACER WIRE IN
PROPOSED 1-2" HDPE CONDUIT.

NW SLOAN ST

NW MAIN ST



Know what's **below**.
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oslo

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PROJECT SHEET		REV. NO.	DATE	REVISIONS DESCRIPTION
1220 NW MAIN ST				
LEE'S SUMMIT, MO		2024	REVISIONS	

drawn by: _____

checked by: _____

project no.: _____

drawing no.: _____

date: _____

RMS

AFV

JMC

51821

UPN-104

9/30/2024

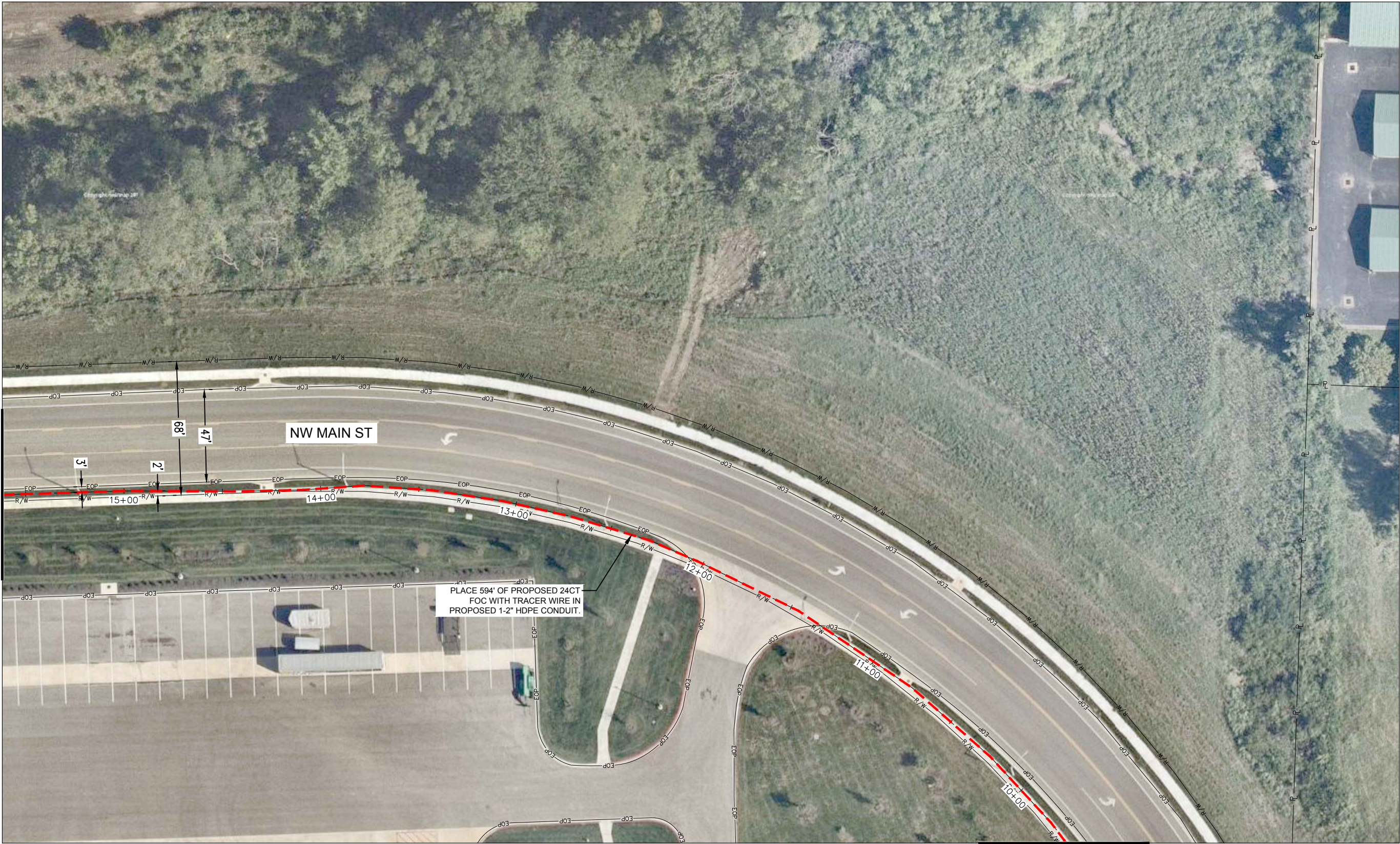
SHEET

4 OF 10

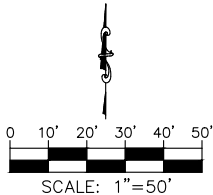
drawn by: _____ RMS
checked by: _____ AFV
approved by: _____ JMC
project no.: _____ 51821
drawing no.: _____ UPN-104
date: _____ 9/30/2024

SHEET
4 OF 10

MATCH TO SHEET 6



MATCH TO SHEET 4



drawn by: RMS
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approved by: JMC
project no.: 51821
drawing no.: UPN-104
date: 9/30/2024



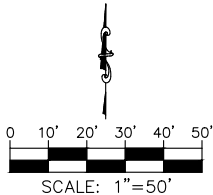
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PROJECT SHEET		REVISIONS	
1220 NW MAIN ST		REV. NO.	DATE
LEE'S SUMMIT, MO		2024	

MATCH TO SHEET 7



MATCH TO SHEET 5

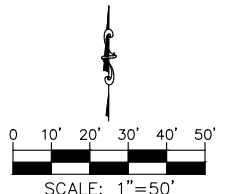


PROJECT SHEET		REVISIONS	
1220 NW MAIN ST			
LEE'S SUMMIT, MO		2024	
drawn by:	RMS	REV.	DATE
checked by:	AFV	NO.	
approved by:	JMC		
project no.:	51821		
drawing no.:	UPN-104		
date:	9/30/2024		
SHEET			
6 OF 10			

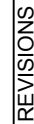


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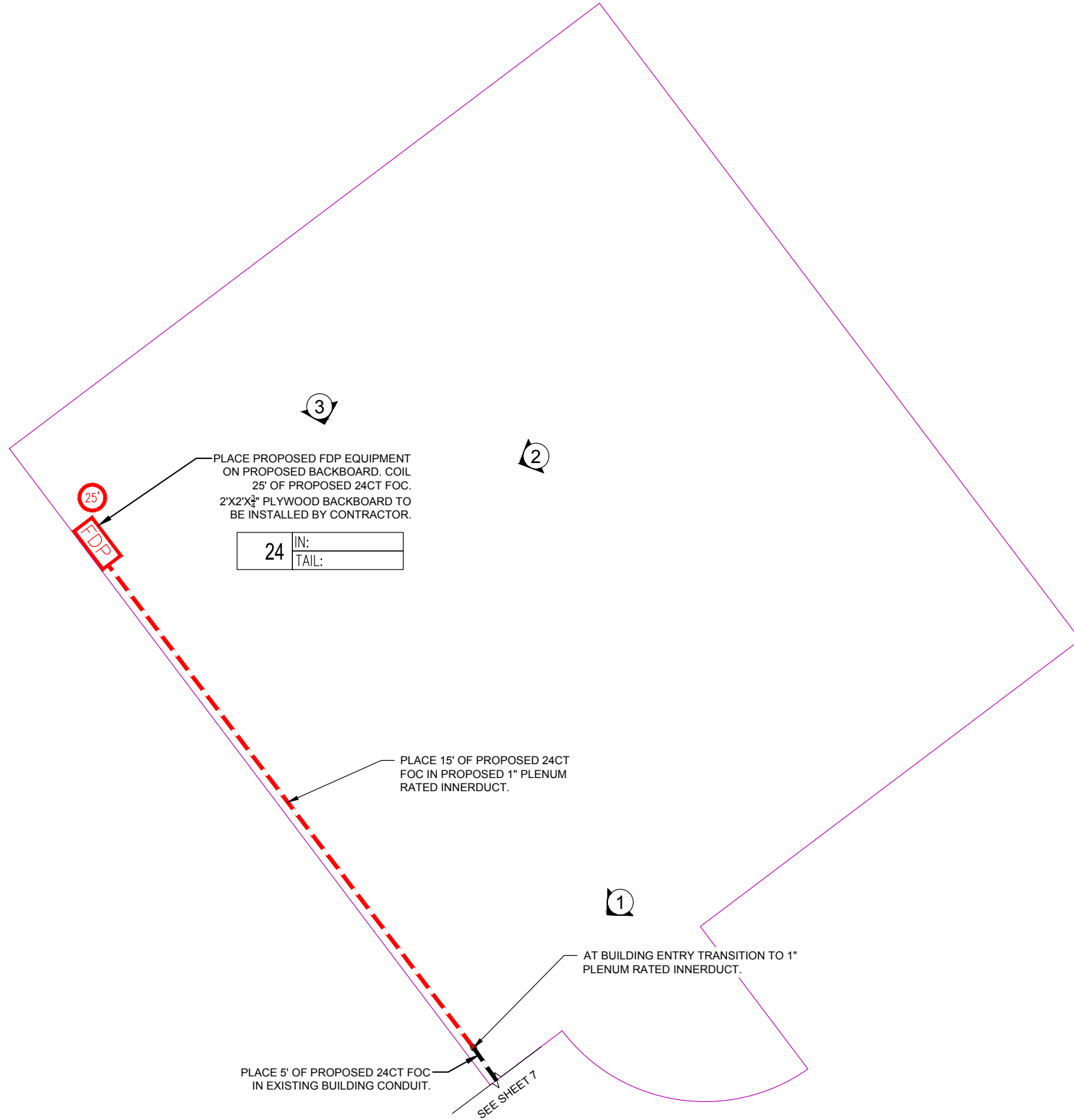
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Overland Park, KS 66213-4750
TEL 913.381.1170
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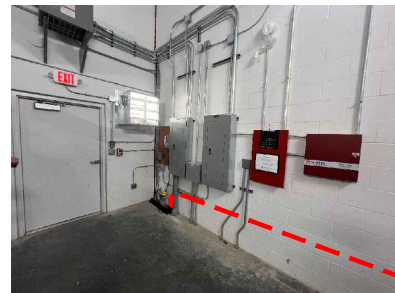
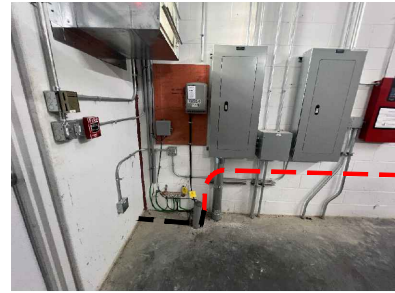
LEE'S SUMMIT, MO

SHEET
7 OF 10

DETAILS



DETAIL A (ISP PLAN)
NTS



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drawn by: _____ RMS checked by: _____ AFV approved by: _____ JMC project no.: _____ 51821 drawing no.: _____ UPN-104 date: _____ 9/30/2024	DETAIL SHEET		REV. NO.	DATE	REVISIONS DESCRIPTION
	1220 NW MAIN ST				
	LEE'S SUMMIT, MO				
	2024				REVISIONS
<div>SHEET</div> <div>8 OF 10</div>					

TYPICALS

PCA243636-00006

PCX POLYMER CONCRETE ASSEMBLY

24" x 36" x 36"
(For actual dimensions see drawing)

Polymer Concrete Assembly, Straight Sides, No Floor, WUC 3.6, ANSI/SCTE 77 - "T15/20K" 3/8" Hex Bolts, Standard Nameplate (Specify at time of order) Installed

LOAD RATINGS

Incidental Traffic - Parking Lot, Sidewalk
Conforms to:

- WUC 3.6
- ASTM C 857
- ANSI/SCTE 77

FEATURES:

- Drop-in nameplate
- Shipped assembled
- Skid resistant cover
- Stainless steel bolts
- Cast-in floating nut box
- Integral drain holes

Additional product information
continued on the reverse

newbasis
Composites for Infrastructure

2626 Kansas Avenue
Riverside, California 92507

951.787.0600

951.787.0632 (fax)

info@newbasis.com



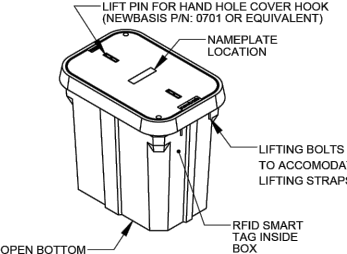
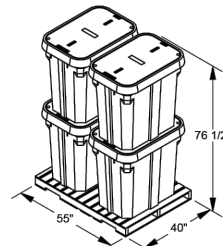
newbasis.com

PCX
POLYMER CONCRETE
The Next Generation

Inside Dimensions

Length	Width	Depth
33 9/16"	21 15/16"	33"
27 1/8"	15 1/2"	

Rev: C.2

<h1>PCA243636-00006</h1>	<h1>PCX POLYMER CONCRETE ASSEMBLY</h1>	<div>   </div>
<p>Polymer Concrete Assembly, Straight Sides, No Floor, WUC 3.6, ANSI/SCTE 77 - "T15/20K," 3/8" Hex Bolts, Standard Nameplate (Specify at time of order) Installed</p>		<div> <div>24" x 36" x 36"</div> <div>For actual dimensions, see drawing on front side.</div> </div>
<div> <div>AVAILABLE OPTIONS</div> <div> <input type="checkbox"/> Tier 22 Load Rating <input type="checkbox"/> Pentia Bolts <input type="checkbox"/> Telephone EMS <input type="checkbox"/> Power EMS <input type="checkbox"/> Custom Nameplate Installed <input type="checkbox"/> Custom Nameplate Shipped Separately <input checked="" type="checkbox"/> Standard Nameplate Installed <input type="checkbox"/> Standard Nameplate Shipped Separately </div> </div>	<div> <div>NAMEPLATES</div> <div> <p>One standard nameplate included with each assembly, installed at the factory or easily installed in the field. Custom nameplates are available. Contact customer service.</p> <p>Standard Nameplates</p> <ul style="list-style-type: none"> • Electric • Telephone • Fiber Optic • Water • Street Lighting • Broadband • Traffic • CATV • Traffic Signal • Communications </div> </div>	<div> <div>  </div> </div>
<p><input checked="" type="checkbox"/> - Indicates a selected option</p>		
<div> <div>MATERIAL PROPERTIES AND ATTRIBUTES</div> <div> <p>Compressive Strength Polymer Concrete - 11500 PSI Per ASTM D695</p> <p>Flexural Strength Polymer Concrete - 4000 PSI Per ASTM D790</p> <p>Coefficient of Friction (Dry) 1.085 Per ASTM C1028</p> <p>Polymer Concrete</p> <ul style="list-style-type: none"> - Advanced composite: Very high strength to weight ratio - Non-metallic - Non-conductive - UV Resistant - High impact resistant - Impervious to chemicals and moisture <p>Materials tested in accordance with ASTM D-543 and ASTM D-570</p> </div> </div>	<div> <div>WEIGHTS AND SHIPPING</div> <div> <p>COVER WEIGHT: 98.0 lbs.</p> <p>BOX WEIGHT: 330.1 lbs.</p> <p>ASSEMBLY WEIGHT: 428.1 lbs.</p> <p>LOADED PALLET WEIGHT: 1,775 lbs.</p> <p>Standard shipping includes van delivery of pallet quantities to the lower 48 states. Partial pallet quantities and flat bed shipping available at an additional cost.</p> </div> </div>	<div> <div>PACKAGING (Steel Banding, Edge Protection)</div> <div> <p>PALLET QUANTITY: 4</p>  </div> </div>

Rev. C.2

[illegible]

TYPICAL DETAILS	
1220 NW MAIN ST	
LEE'S SUMMIT, MO	2024

DWG: F:\2024\00001-00500\024-00009\unite-104_1220 nw main st\40-design\AutoCAD\final plans\Sheets\EDN\C_CND_02400009-104.dwg
DATE: Sep 30, 2024 11:25am XREFS: C_BASE_02400009-104 USER: rschults

TOTAL QUANTITIES			
ITEM	ITEM DESCRIPTION	UNITS	QUANTITY
1.	ROD & PROOF EXISTING DUCT	LF	179
2.	SUPPLY & INSTALL 1-2" HDPE DUCT	LF	2434
3.	SUPPLY & INSTALL 2-2" HDPE DUCT	LF	
4.	SUPPLY & INSTALL 1-1.25" HDPE DUCT	LF	
5.	SUPPLY & INSTALL 2" PVC DUCT	LF	
6.	SUPPLY & INSTALL 4" PVC DUCT	LF	
7.	SUPPLY & INSTALL 2" RIGID STEEL ON A STRUCTURE	LF	
8.	SUPPLY & INSTALL 3-CELL MAXCELL	LF	
9.	SUPPLY & INSTALL TRACER WIRE	LF	2434
10.	SUPPLY & INSTALL 24"X36"X36" HANDHOLE	EACH	3
11.	SUPPLY & INSTALL UNDERGROUND SPLICE ENCLOSURE	EACH	1
12.	INSTALL 432CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
13.	INSTALL 288CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
14.	INSTALL 96CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
15.	LASH 432CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
16.	LASH 288CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
17.	LASH 96CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
18.	SUPPLY & INSTALL 6.6M STRAND	LF	
19.	SUPPLY & INSTALL FIBER SNOWSHOE	EACH	
20.	SUPPLY & INSTALL 2" PVC STAND OFF RISER	EACH	
21.	SUPPLY & INSTALL 4" PVC STAND OFF RISER	EACH	
22.	SUPPLY & INSTALL DOWN GUY AND ANCHOR	EACH	
23.	SUPPLY & INSTALL AERIAL SPLICE ENCLOSURE	EACH	
24.	SUPPLY & INSTALL 1" EMT CONDUIT	LF	
25.	SUPPLY & INSTALL 2" EMT CONDUIT	LF	
26.	SUPPLY & INSTALL 1" PLENUM RATED INNERDUCT	LF	15
27.	SUPPLY & INSTALL WYE CAST CONNECTOR	EACH	1
28.	SUPPLY & INSTALL LB	EACH	
29.	PROPOSED WALL CORE	EACH	
30.	SUPPLY & INSTALL 2'X2'X3/4" PLYWOOD BACKBOARD	EACH	1
31.	INSTALL 24CT INDOOR/OUTDOOR RATED FIBER OPTIC CABLE - UNDERGROUND	LF	3053
32.	INSTALL 24CT INDOOR/OUTDOOR RATED FIBER OPTIC CABLE - AERIAL	LF	
33.	REMOVE & REPLACE SIDEWALK	SQ FT	
34.	REMOVE & REPLACE ASPHALT	SQ FT	
* 35.	TRAFFIC PERMIT	AGENCIES	1
* 36.	RIGHT OF WAY PERMIT	AGENCIES	1

* CITY, COUNTY, AND STATE.



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drawn by: RMS
checked by: APL
approved by: JMC
project no.: 51821
drawing no.: UPN-104
date: 9/30/2024



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REVISIONS

FINAL QUANTITIES

1220 NW MAIN ST

LEE'S SUMMIT, MO

2024