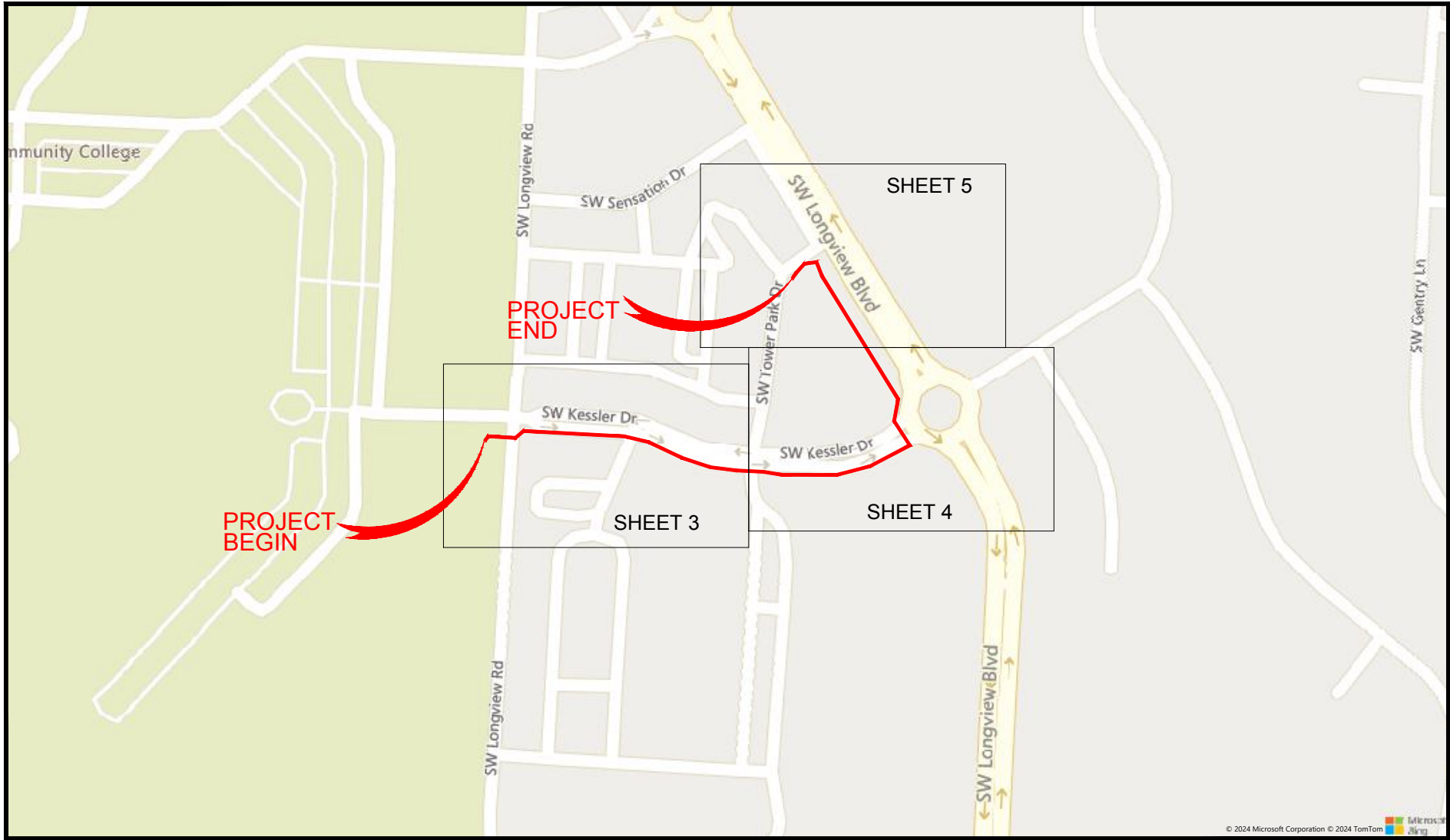


ADDRESS: 460 SW LONGVIEW BLVD, LEE'S SUMMIT, MO 64081  
PROJECT NUMBER: 49251

WORK PLAN INDEX	
SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES/LEGEND
3-5	DESIGN PLAN SHEETS
6	DETAIL SHEET
7	TYPICAL DETAILS
8	FINAL QUANTITIES



VICINITY MAP


CONTACT INFO

BRANDON FOSSETT  
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816-490-1535  
BRANDON.FOSSETT@UPNFIBER.COM


JESSICA LYNN  
CONSTRUCTION TECHNICIAN  
816-283-6534  
JESSICA.LYNN@UPNFIBER.COM



NOT TO SCALE



7301 West 133rd Street, Suite 200  
Overland Park, KS 66213-4750  
TEL 913.381.1170  
FAX 913.381.1174  
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COVER SHEET		REVISIONS		
REV. NO.	DATE	REVISIONS DESCRIPTION		
460 SW LONGVIEW BLVD		2024		
LEE'S SUMMIT, MO				

drawn by: RMS

checked by: AFI

approved by: JMC

project no.: 49251






















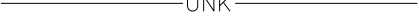





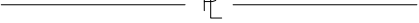

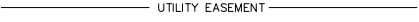

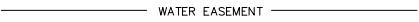

















drawing no.: UPN-45

date: 4/23/2024

SHEET

1 OF 8

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DATE: Apr 23, 2024 1:04pm XREFS: 460 SW Longview Blvd\_base USER: avellani

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

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.





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GENERAL NOTES/LEGEND		REVISIONS	
		REV. NO.	DATE
GENERAL NOTES/LEGEND	460 SW LONGVIEW BLVD		
LEE'S SUMMIT, MO			2024

drawn by: \_\_\_\_\_

checked by: \_\_\_\_\_

approved by: \_\_\_\_\_

project no.: \_\_\_\_\_

drawing no.: \_\_\_\_\_

date: \_\_\_\_\_

RMS

AFV

JMC

49251

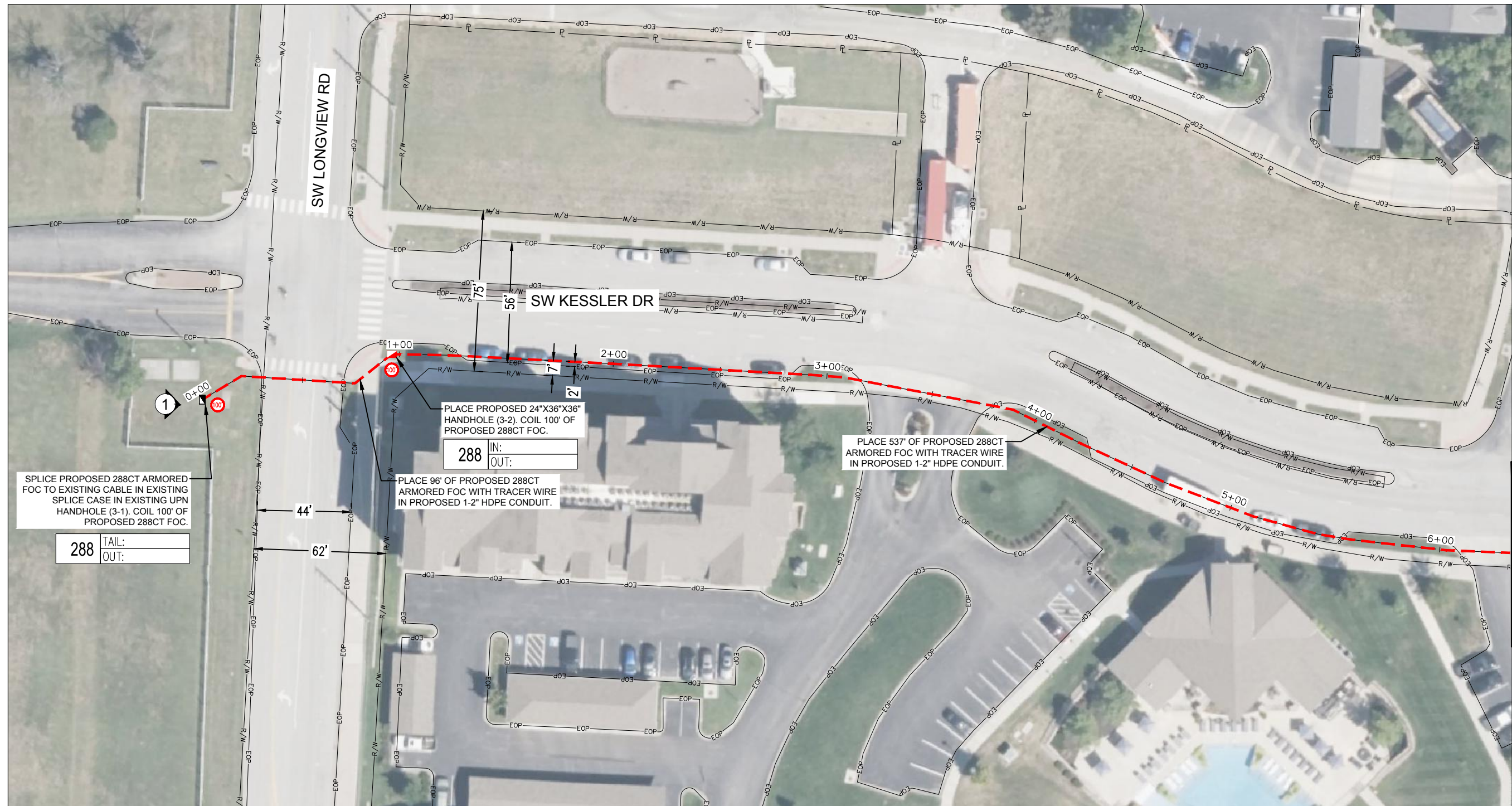
UPN-45

4/23/2024

SHEET

2 OF 8





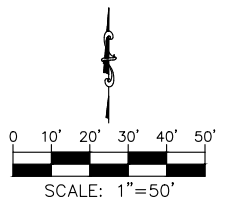
MATCH TO SHEET 4

PROPOSED PATH

NOTE: PORTION OF THIS DESIGN IS ON PRIVATE PROPERTY. THE CONTRACTOR SHALL VERIFY RIGHT OF ENTRY PRIOR TO ANY CONSTRUCTION.



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



PROJECT SHEET		REV. NO.	DATE	REVISIONS DESCRIPTION
460 SW LONGVIEW BLVD				
LEE'S SUMMIT, MO		2024	REVISIONS	
drawn by: _____ RMS checked by: _____ AFV approved by: _____ JMC project no.: _____ 49251 drawing no.: _____ UPN-45 date: _____ 4/23/2024				
SHEET 3 OF 8				

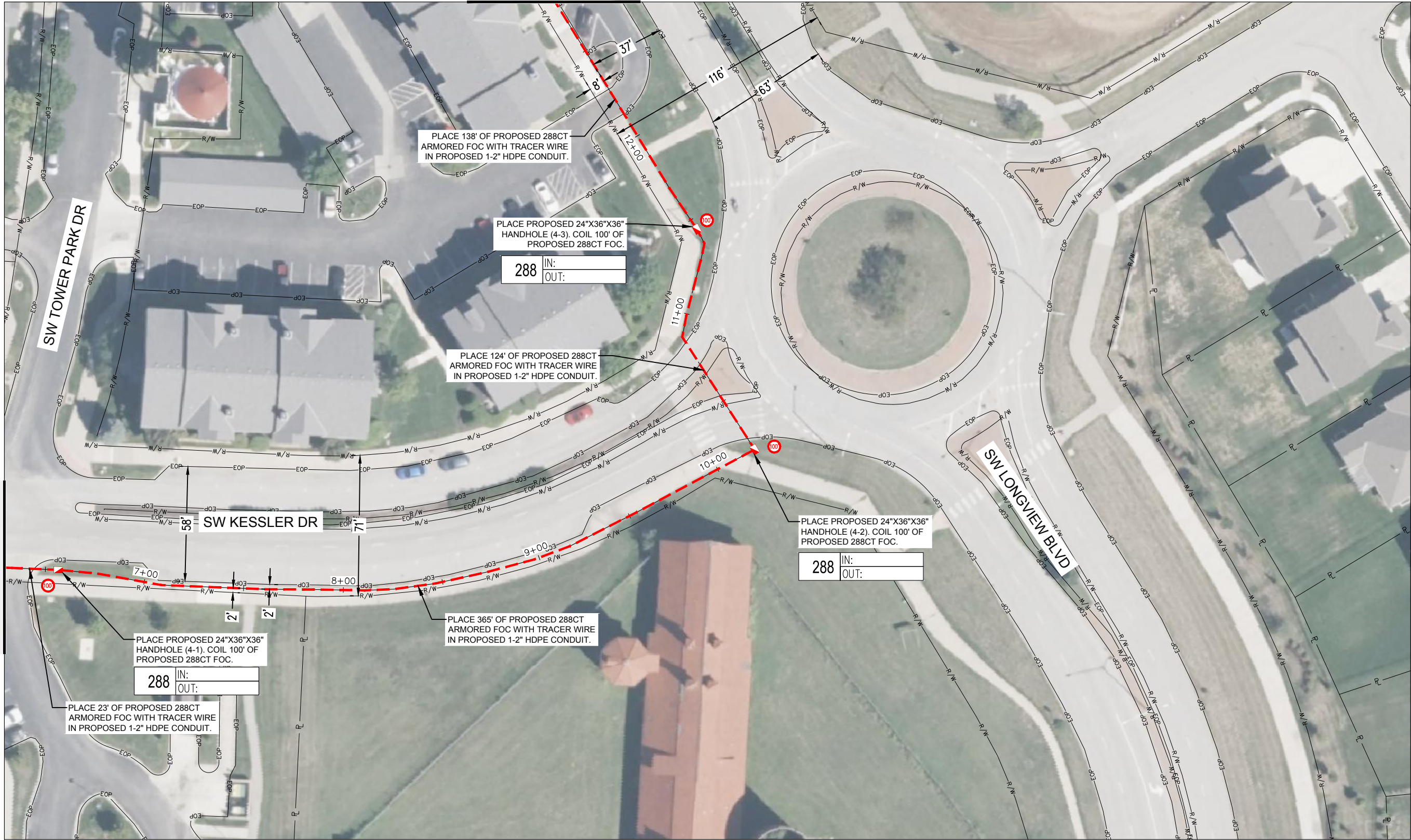


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FAX 913.381.1174  
[www.olsson.com](http://www.olsson.com)



MATCH TO SHEET 3



MATCH TO SHEET 5

PLACE 138' OF PROPOSED 288CT ARMORED FOC WITH TRACER WIRE IN PROPOSED 1-2" HDPE CONDUIT.

PLACE PROPOSED 24"X36"X36" HANDHOLE (4-3). COIL 100' OF PROPOSED 288CT FOC.

288 IN: OUT:

PLACE 124' OF PROPOSED 288CT ARMORED FOC WITH TRACER WIRE IN PROPOSED 1-2" HDPE CONDUIT.

PLACE PROPOSED 24"X36"X36" HANDHOLE (4-2). COIL 100' OF PROPOSED 288CT FOC.

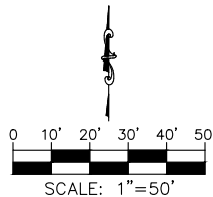
288 IN: OUT:

PLACE 365' OF PROPOSED 288CT ARMORED FOC WITH TRACER WIRE IN PROPOSED 1-2" HDPE CONDUIT.

PLACE PROPOSED 24"X36"X36" HANDHOLE (4-1). COIL 100' OF PROPOSED 288CT FOC.

288 IN: OUT:

PLACE 23' OF PROPOSED 288CT ARMORED FOC WITH TRACER WIRE IN PROPOSED 1-2" HDPE CONDUIT.



PROJECT SHEET

460 SW LONGVIEW BLVD

LEE'S SUMMIT, MO

drawn by: RMS

checked by: AFV

approved by: JMC

project no.: 49251

drawing no.: UPN-45

date: 4/23/2024

SHEET

4 OF 8

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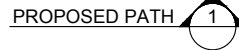
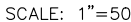
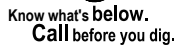
PRIVATE NETWORKS

REV.	NO.	DATE	REVISIONS DESCRIPTION

2024

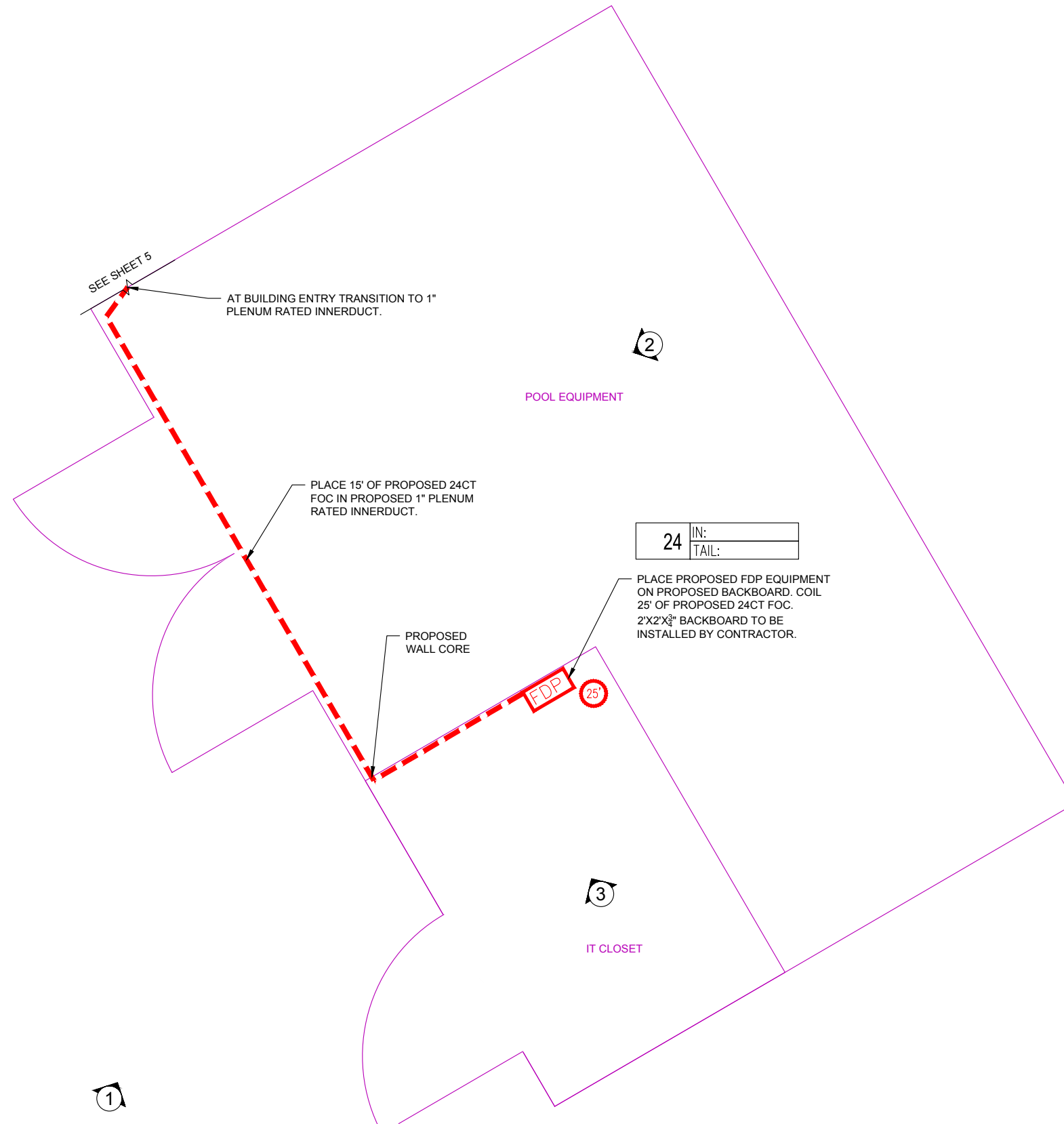
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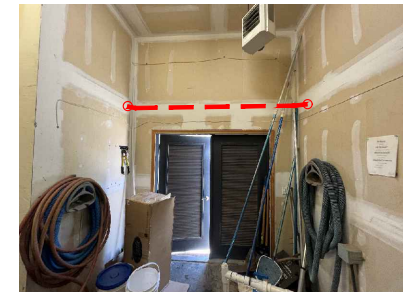
## DETAILS



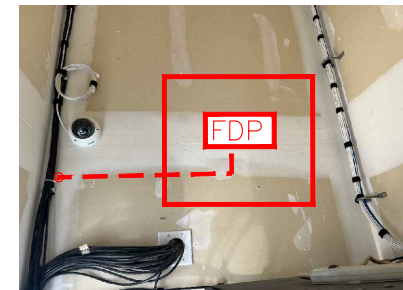
DETAIL A (ISP PLAN)  
NTS



PROPOSED PATH 1



PROPOSED PATH 

PROPOSED FDP LOCATION

drawn by: _____ RMS					
checked by: _____ AFV					
approved by: _____ JMC					
project no.: _____ 49251					
drawing no.: _____ UPN-45					
date: _____ 4/23/2024					
DETAIL SHEET		460 SW LONGVIEW BLVD			
LEE'S SUMMIT, MO		2024			
SHEET		REVISIONS			
6 OF 8					

# 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



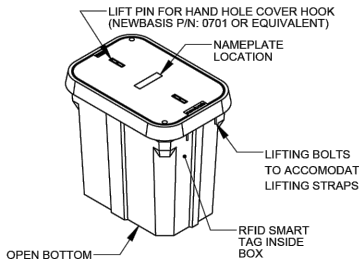
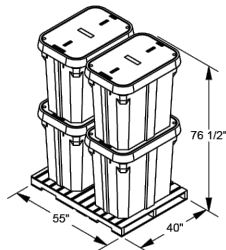
newbasis.com

**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>		<p><b>24" x 36" x 36"</b> For actual dimensions, see drawing on front side.</p>
<p><b>AVAILABLE OPTIONS</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tier 22 Load Rating</li> <li><input type="checkbox"/> Penta Bolts</li> <li><input type="checkbox"/> Telephone EMS</li> <li><input type="checkbox"/> Power EMS</li> <li><input type="checkbox"/> Custom Nameplate Installed</li> <li><input type="checkbox"/> Custom Nameplate Shipped Separately</li> <li><input checked="" type="checkbox"/> Standard Nameplate Installed</li> <li><input type="checkbox"/> Standard Nameplate Shipped Separately</li> </ul>	<p><b>NAMEPLATES</b></p> <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><b>Standard Nameplates</b></p> <ul style="list-style-type: none"> <li>• Electric</li> <li>• Telephone</li> <li>• Fiber Optic</li> <li>• Water</li> <li>• Street Lighting</li> <li>• Broadband</li> <li>• Traffic</li> <li>• CATV</li> <li>• Traffic Signal</li> <li>• Communications</li> </ul>	
<p><b>MATERIAL PROPERTIES AND ATTRIBUTES</b></p> <p><b>Compressive Strength</b> Polymer Concrete - 11500 PSI Per ASTM D695</p> <p><b>Flexural Strength</b> Polymer Concrete - 4000 PSI Per ASTM D790</p> <p><b>Coefficient of Friction (Dry)</b> <b>1.085</b> Per ASTM C1028</p> <p>Polymer Concrete</p> <ul style="list-style-type: none"> <li>- Advanced composite: Very high strength to weight ratio</li> <li>- Non-metallic</li> <li>- Non-conductive</li> <li>- UV Resistant</li> <li>- High impact resistant</li> <li>- Impervious to chemicals and moisture</li> </ul> <p>Materials tested in accordance with ASTM D-543 and ASTM D-570</p>	<p><b>WEIGHTS AND SHIPPING</b></p> <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>	<p><b>PACKAGING</b> (Steel Banding, Edge Protection)</p> <p>PALLET QUANTITY: 4</p> 

[illegible]

## TYPICAL DETAILS

460 SW LONGVIEW BLVD

LEE'S SUMMIT, MO

2024

drawn by: \_\_\_\_\_ RMS  
checked by: \_\_\_\_\_ AFV  
approved by: \_\_\_\_\_ JMC  
project no.: \_\_\_\_\_ 49251  
drawing no.: \_\_\_\_\_ UPN-45  
date: \_\_\_\_\_ 4/23/2024

DWG: F:\2024\00001-00500\024-00009\40-design\AutoCAD\msa\_phases\unite-45\_460 sw longview blvd\Final Plans\UPN-45\_460 SW Longview Blvd\_final plans.dwg  
DATE: Apr 23, 2024 1:04pm  
USER: oveliani

TOTAL QUANTITIES			
ITEM	ITEM DESCRIPTION	UNITS	QUANTITY
1.	ROD & PROOF EXISTING DUCT	LF	
2.	SUPPLY & INSTALL 1-2" HDPE DUCT	LF	1584
3.	SUPPLY & INSTALL 2-2" HDPE DUCT	LF	
4.	SUPPLY & INSTALL 1-1.25" HDPE DUCT	LF	
5.	SUPPLY & INSTALL 2" PVC DUCT	LF	10
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	1594
10.	SUPPLY & INSTALL 24"X36"X36" HANDHOLE	EACH	5
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	2109
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	
28.	SUPPLY & INSTALL LB	EACH	1
29.	PROPOSED WALL CORE	EACH	2
30.	SUPPLY & INSTALL 2'X2'X3/4" PLYWOOD BACKBOARD	EACH	1
31.	INSTALL 24CT INDOOR/OUTDOOR RATED FIBER OPTIC CABLE - UNDERGROUND	LF	225
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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Know what's below.  
Call before you dig.

drawn by: RMS  
checked by: APL  
approved by: JMC  
project no.: 49251  
drawing no.: UPN-45  
date: 4/23/2024



REVISIONS DESCRIPTION

DATE

REV. NO.

REVISIONS

FINAL QUANTITIES

460 SW LONGVIEW BLVD

LEE'S SUMMIT, MO

2024



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