

Gopher State
 W/O#: **294395** WP#: **89-000-09-00819**
 LOC#: **89-000-09-00819**
 Name: **SUBSTATION-BEL**
 (H) Phone #:
 (W) Phone #:

City: **Morrison**
 Sec: **New Const**
 Twp: **Sys Imp**
 Rg: **Ret (RWR)**
 Signed By: **Olander**
 Staked By: **Luke Kasella**
 Elec:
 Acct#: **35015801**
 Date: **12/13/2013**
 Date: **4/3/2014**
 AFF #:
 By: **1 of 21**

Source Determined
 Potential Hazards
 Poles
 Barracading
 Personal Tools
 Supervisor
 Comments:

Switching Orders
 PPE Needed
 Trees
 Terrain
 Power Equip. Needed
 Sect./Fusing
 Date:

Wire Size	Pole	OH Assy	Grnd.	Guy E	Lead	Anchor F	Trans G	Light M26-5	Ang.	J Box	Mod	El-bow	Cap	Spl-ice	Pri. Riser	Sec. Span	Sec. Wire	Unit	CWP Ped/Loop	Misc Assy
CSR-Phi SR-Neu	45-4		H1.1																	
		C2.24P	H4.1																	
CSR-Phi SR-Neu	50-3	C4.1G	H1.1	E4.3LG	20	F2.10			91°											
				(4)E3-10	25	F2.10														
					30	F2.10														
					35	F2.10														
		C5.1																		
		A5.3		E4.3LG	20	F2.10														R1.2
				(4)E3-10	25	F2.10														(3)S1.1
					30	F2.10														
					35	F2.10														
CSR-Phi SR-Neu	45-4	C2.24P	H1.1																	
CSR	40-6	A6.2																		

Service Address (Line Crew Adds)

Wire	FEET	Wire/Cables/Ser Size	# Wires
40/ACSR	1992		3
10/ACSR	664		1
4/ACSR	1952		4
10/ACSR	32136		4
10/ACSR	11940		2
10/ACSR	558		2
10/25k/WFE	70		1
4 TX	111		1
10 TX	208		1
4/ACSR	1775		2
10 TX	350		1

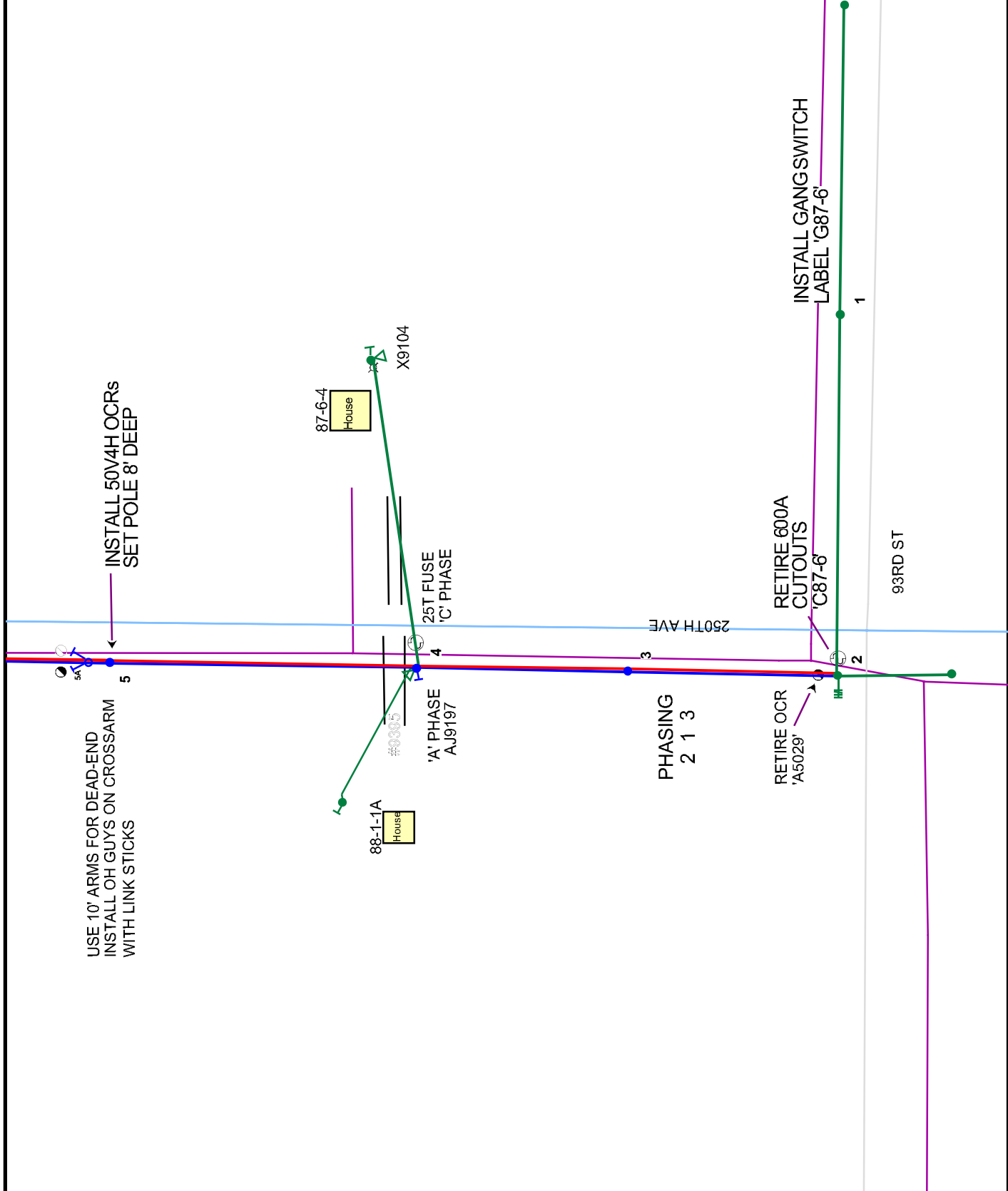
Rd Permit
 Cty Permit
 Twp Permit
 State Permit
 DNR Permit
 Joint Trench
 Notify TWP

Temp. Set: _____ By: _____
 Comp.: _____

Row 1:
 Row 2:
 Line Ext\$ _____ Bore/Push\$ _____ Permit\$ _____ Ped/Loop\$ _____ Total\$ _____
 Socket on Site Backfill Comments:
 Final Grade Comments:
 Brushing Comments:
 Trees Comments:

USE 10' ARMS FOR DEAD-END
INSTALL OH GUYS ON CROSSARM
WITH LINK STICKS

INSTALL 50V4H OCRs
SET POLE 8' DEEP



87-6-4
House

88-1-1A
House

X9104

'A' PHASE
AJ9197

25T FUSE
'C' PHASE

250TH AVE

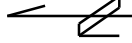
PHASING
2 1 3

RETIRE 600A
CUTOUTS
'C87-6'

RETIRE OCR
'A5029'

INSTALL GANGSWITCH
LABEL 'G87-6'

93RD ST





88-1-1C
House

88-1-1G
House

'A' PHASE
Y9042

#9651

#9741

'A' PHASE
9142Z

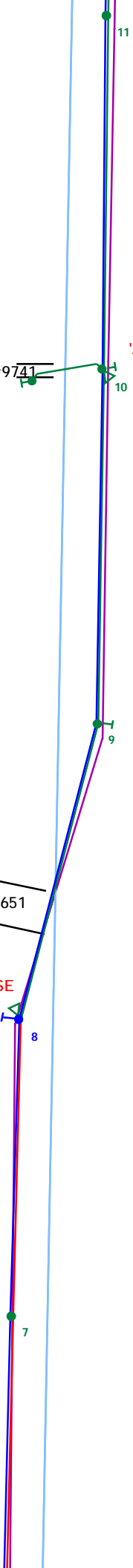
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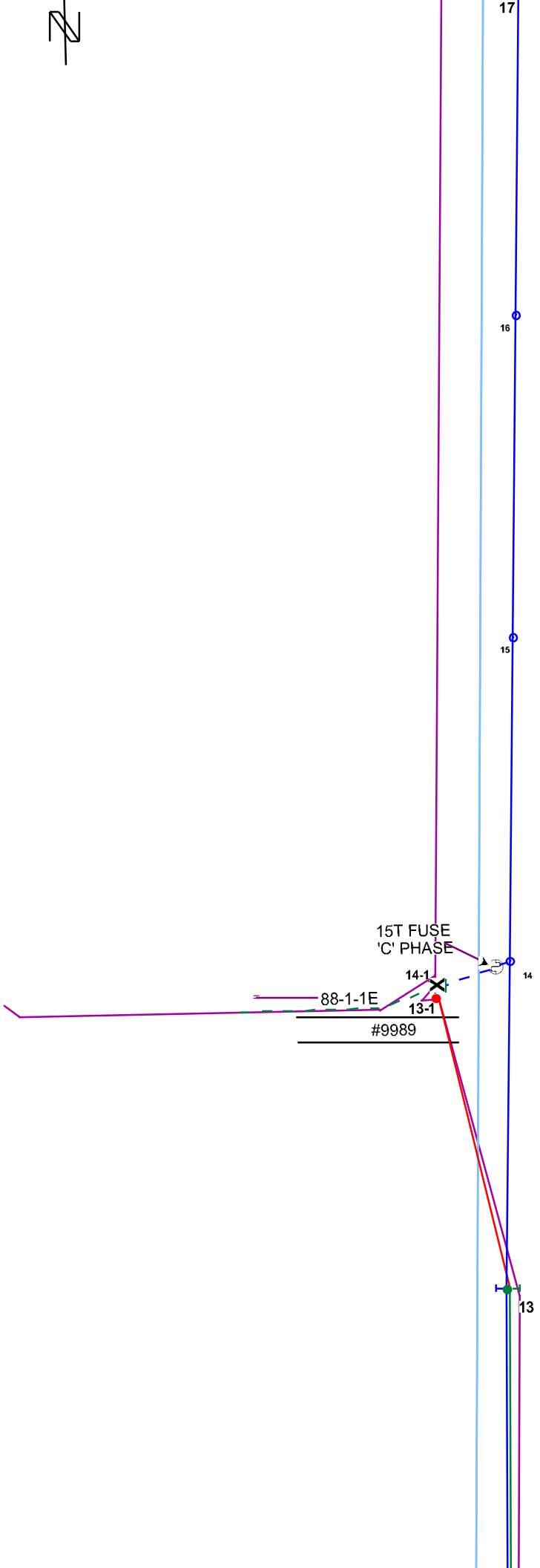
8

9

10

11





'A' PHASE
N9439

House

17

16

15

14

13

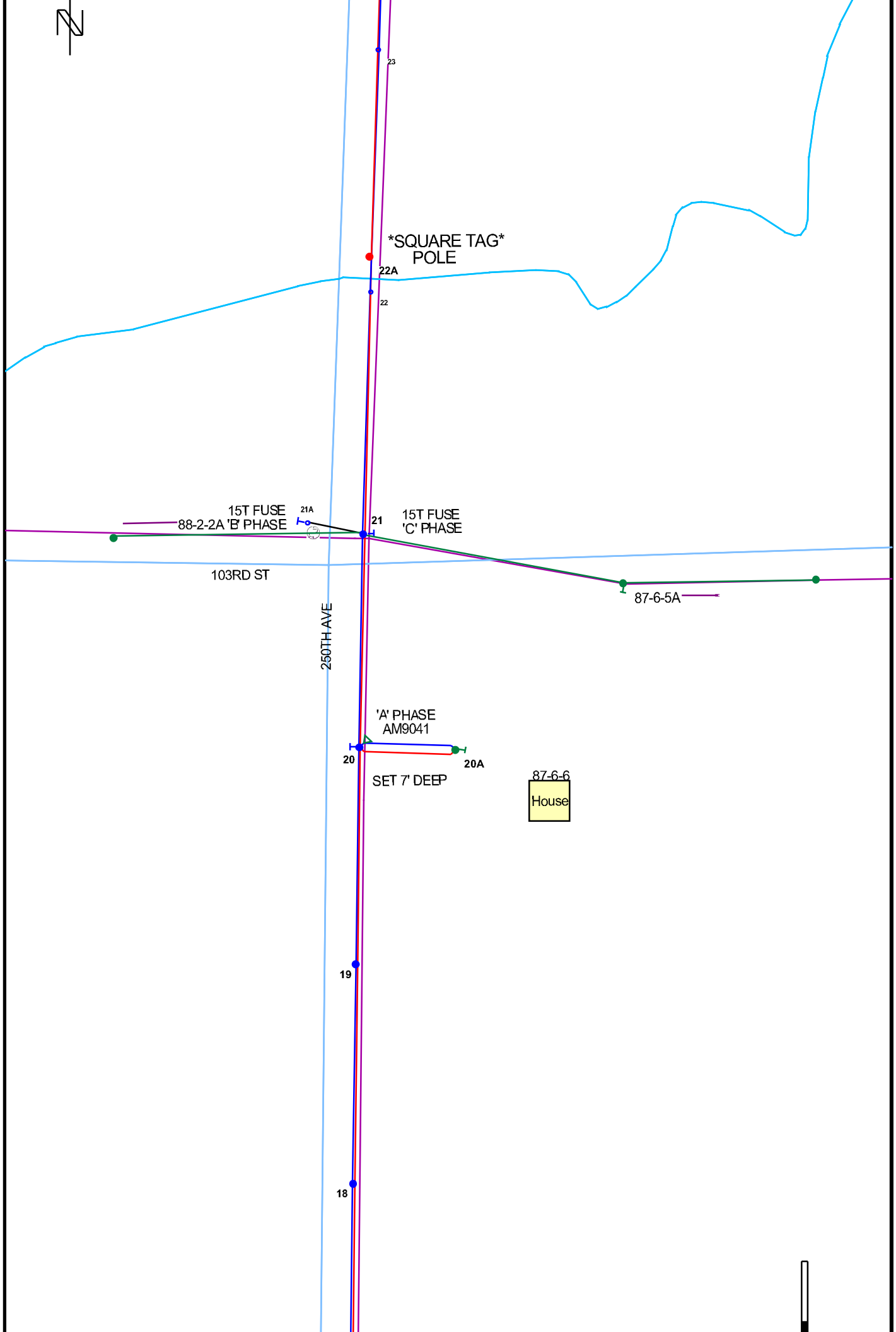
15T FUSE
'C' PHASE

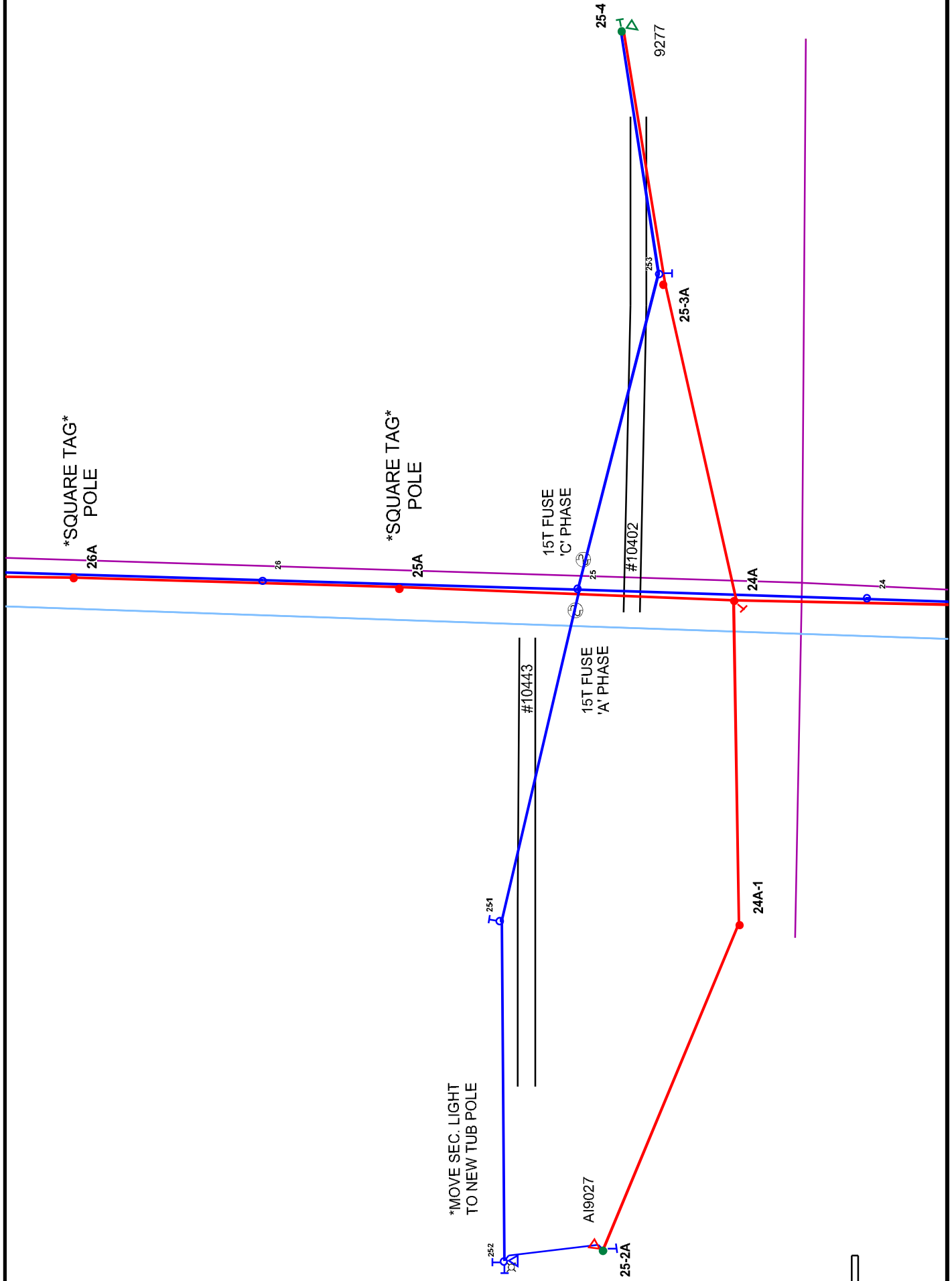
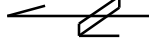
88-1-1E

14-1

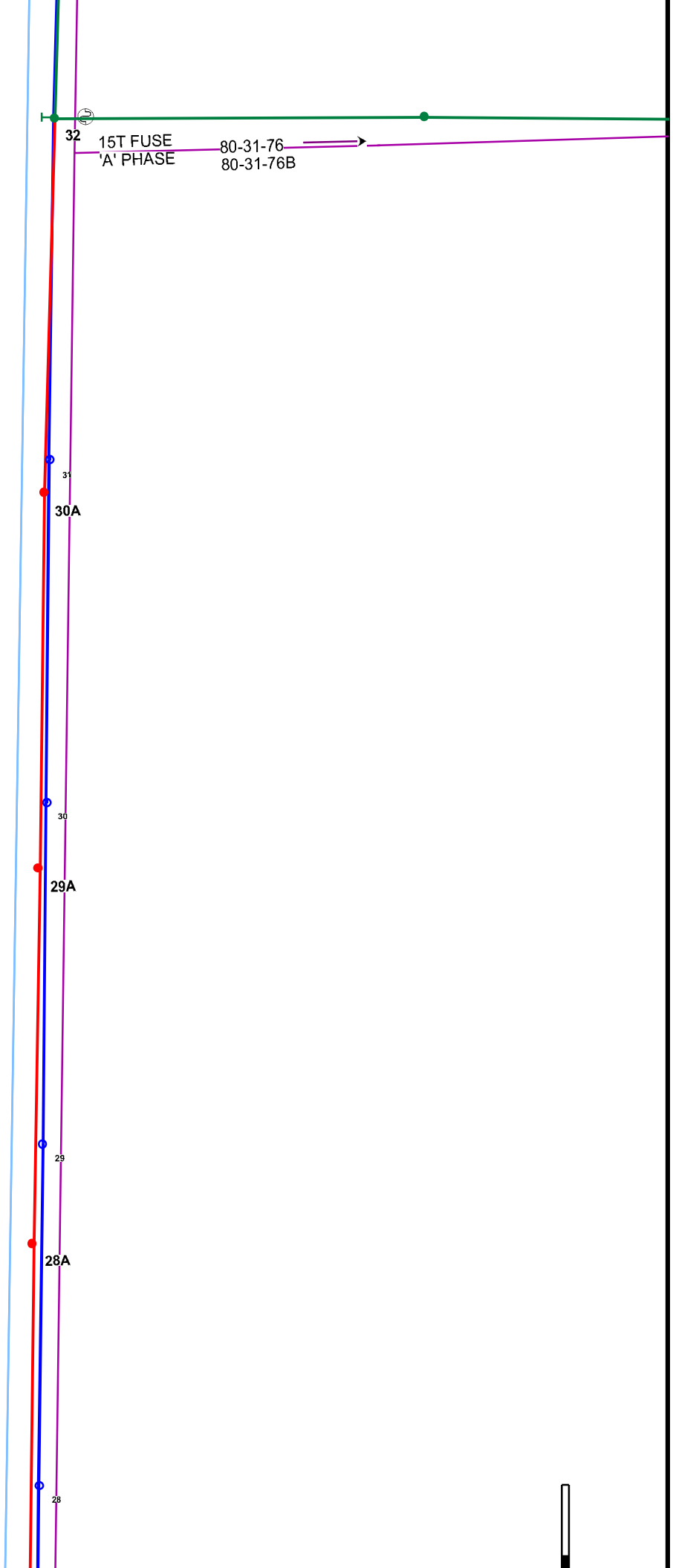
13-1

#9989



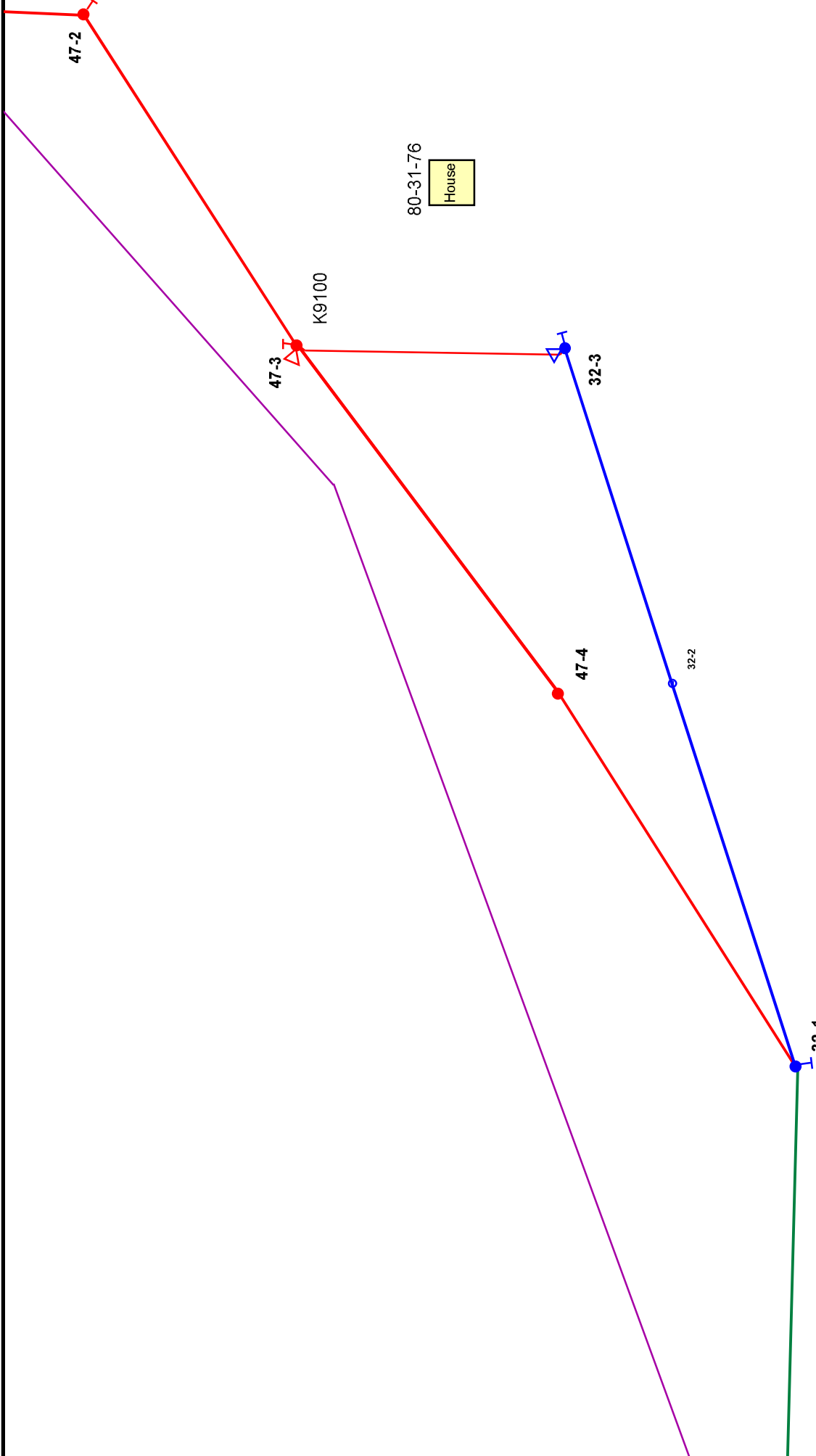


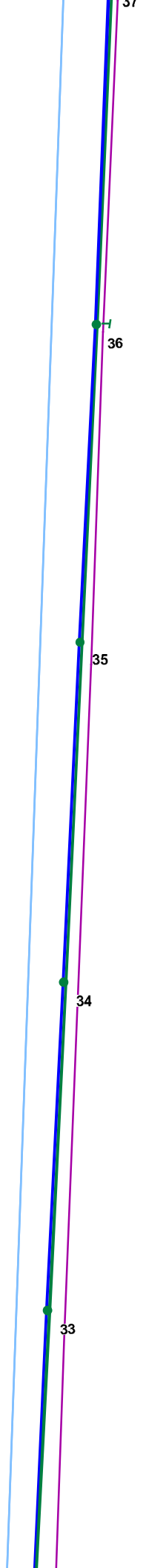
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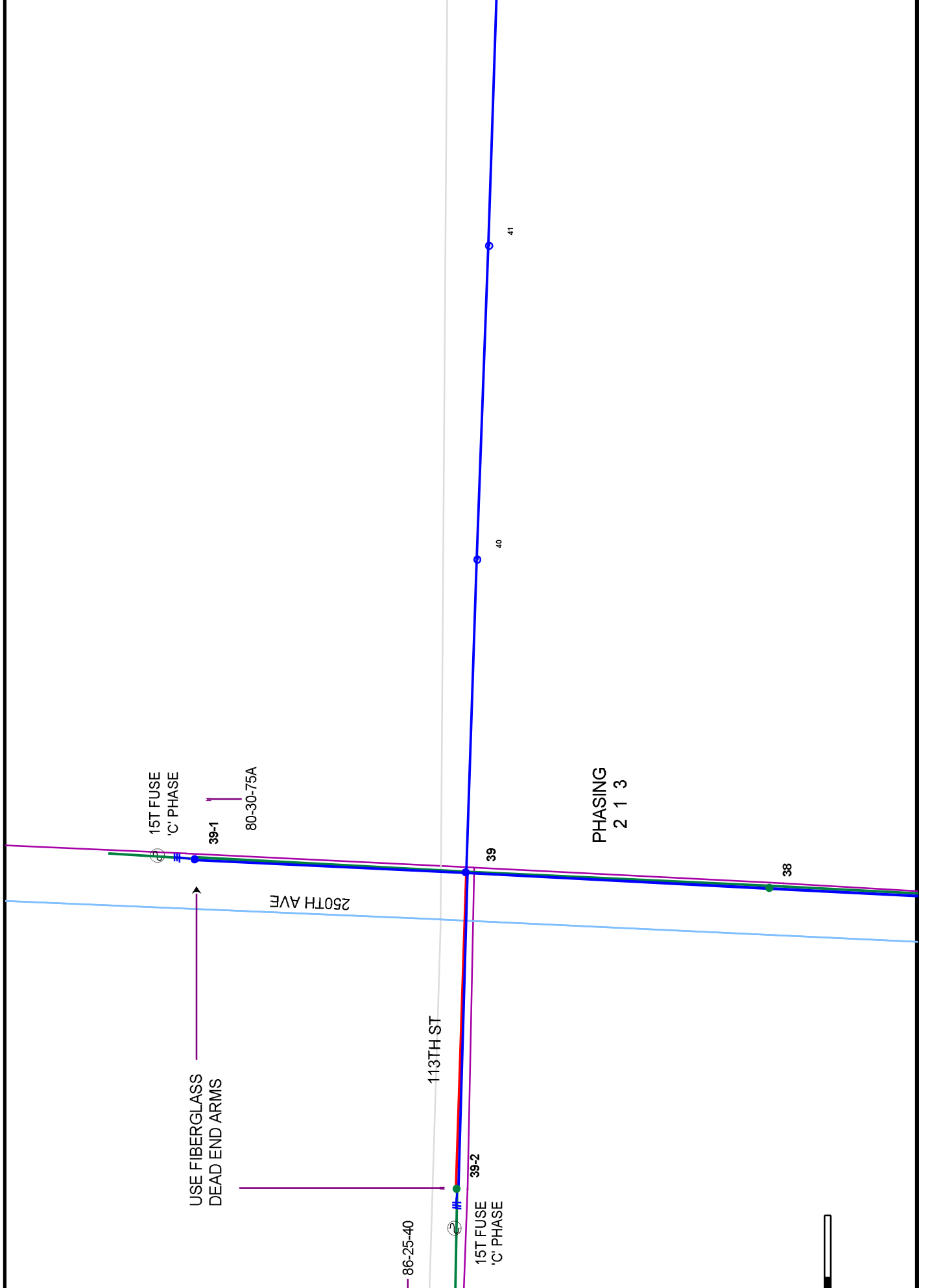


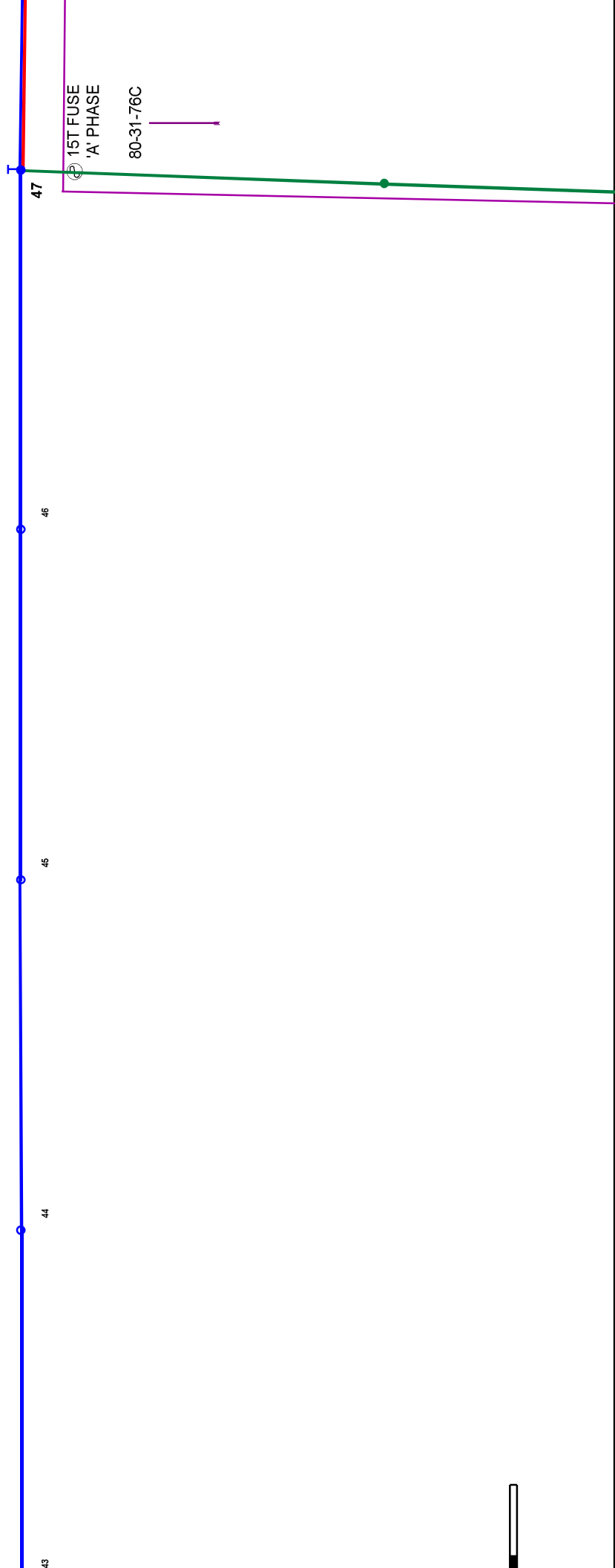
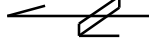
Ret:

Both:









47

46

45

44

43

Ⓟ 15T FUSE
'A' PHASE

80-31-76C

47-1

C9824

80-31-76C

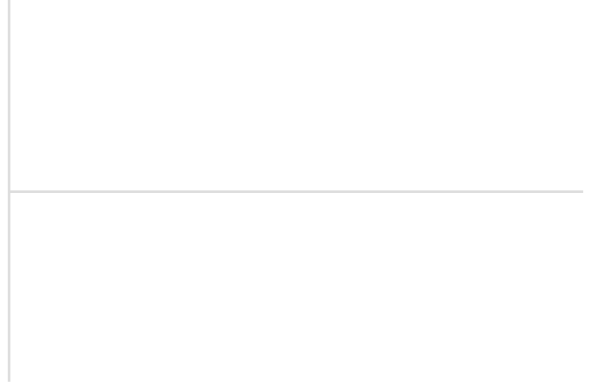
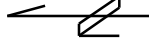
47-2

47-3

K9100

80-31-76

House





15T FUSE
'A' PHASE

