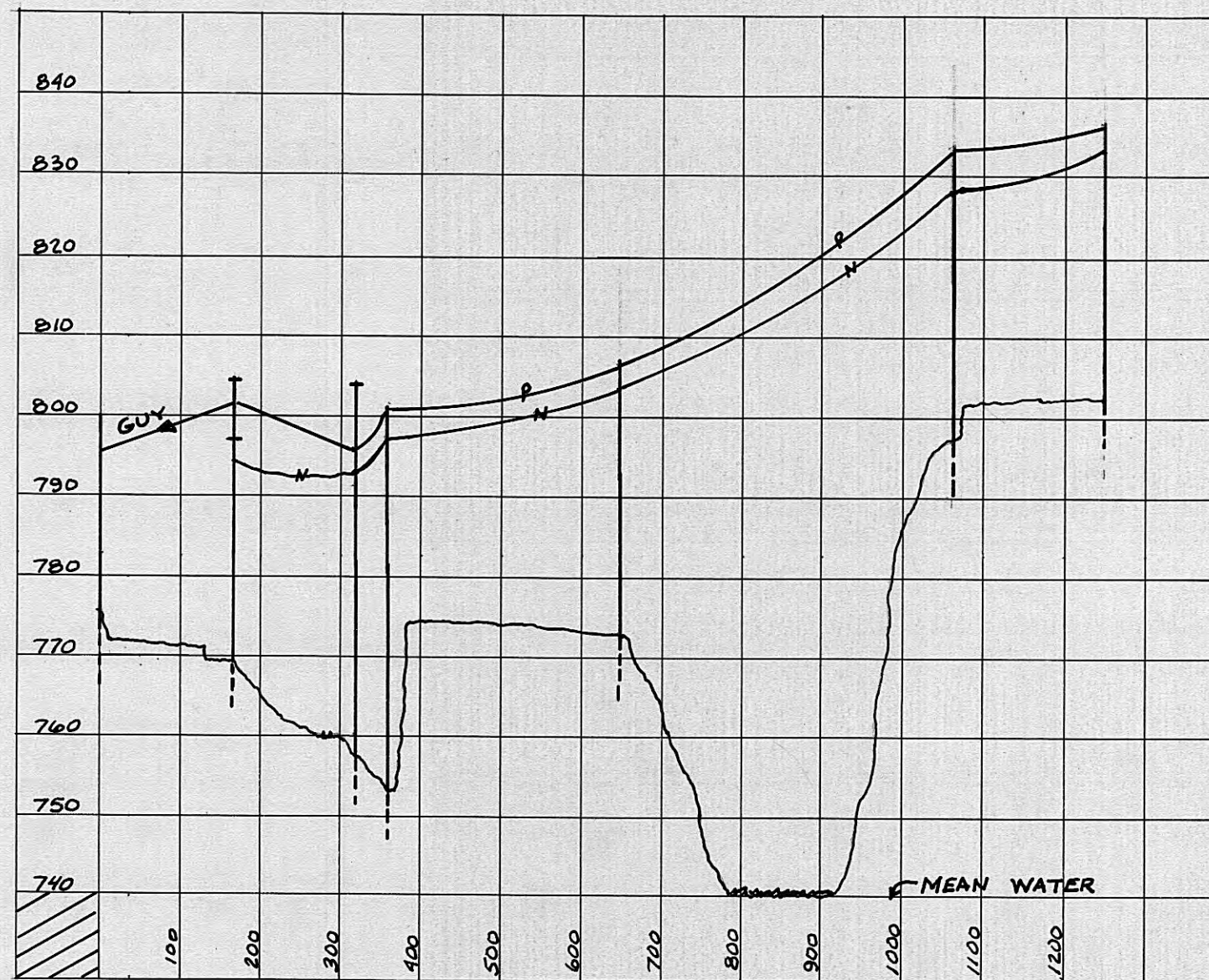
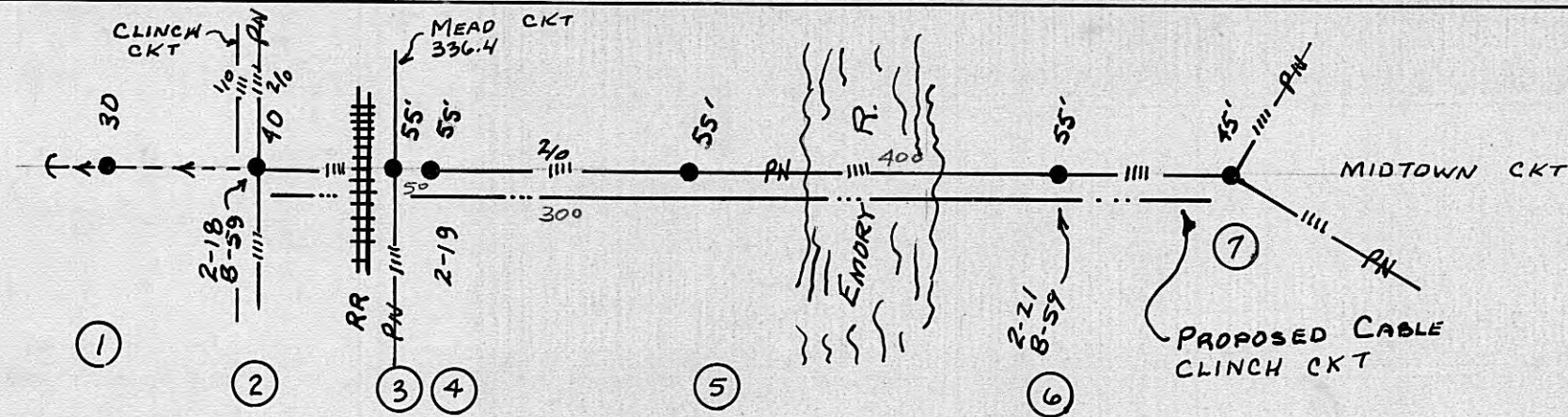


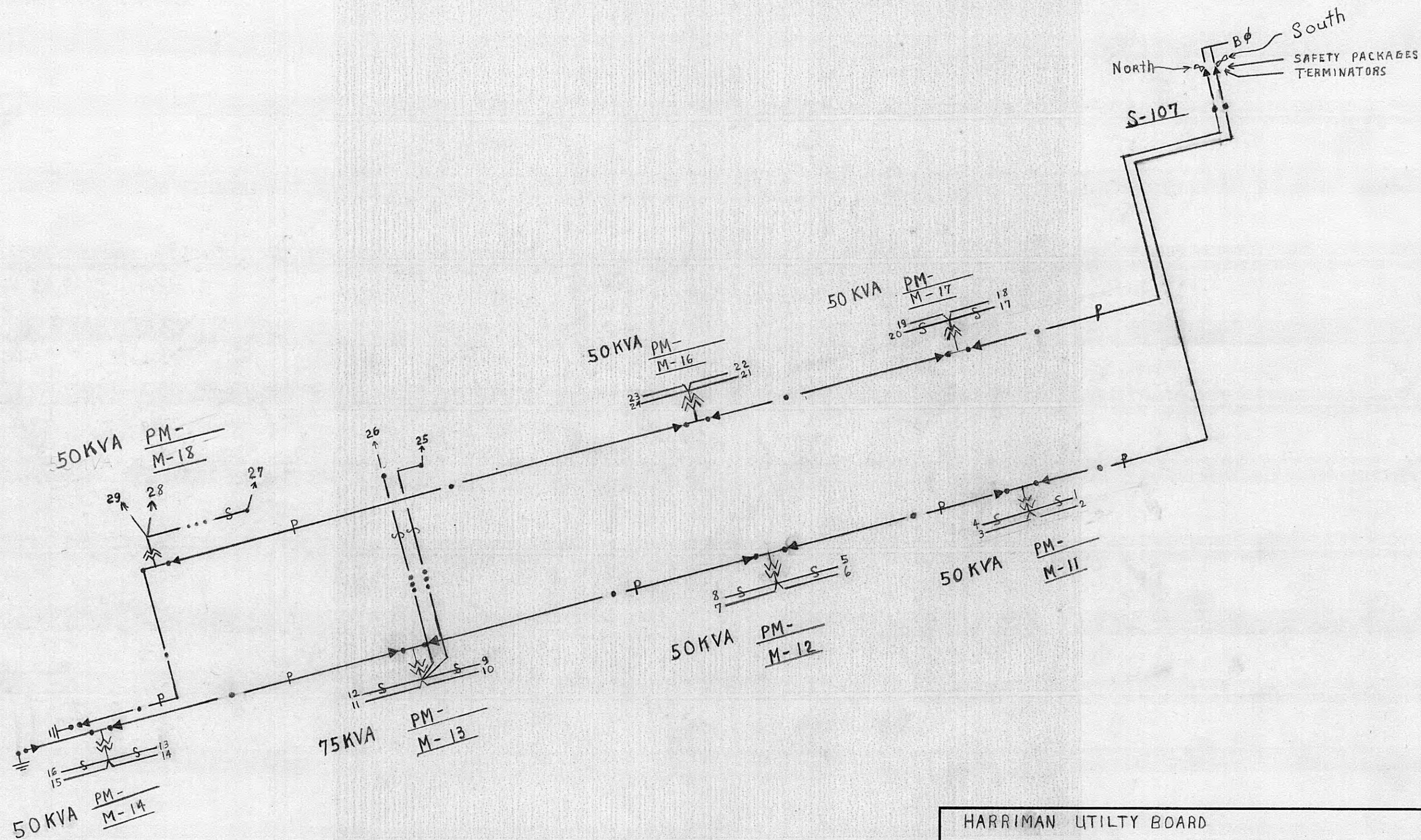


HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

CLINCH ST. CIRCUIT PROPOS
PROPOSED SPACER CABLE

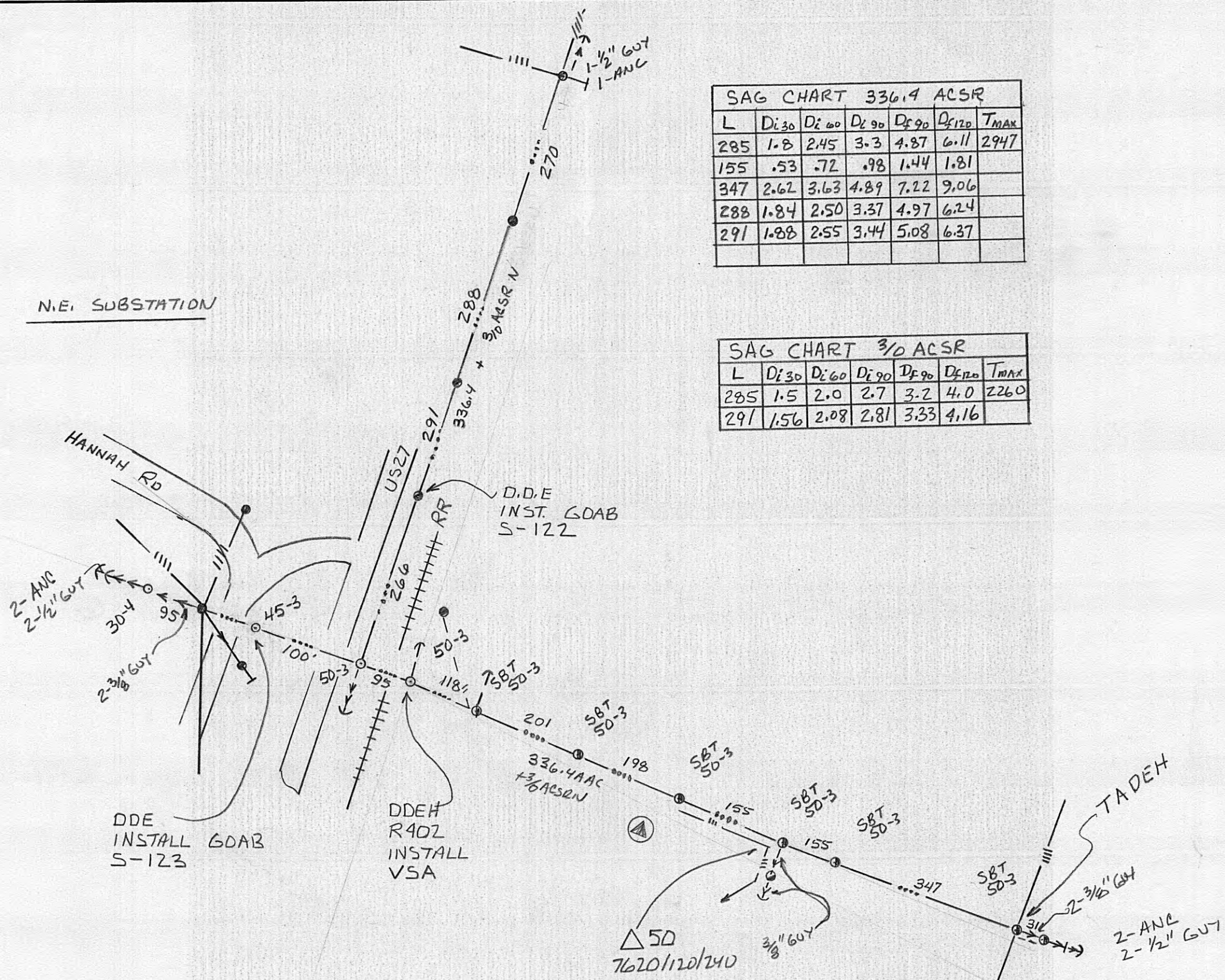
DATE: 3-7-73
ENG. R.HALL

DWG. NO.
E-14-B



HARRIMAN UTILITY BOARD

SCALE: NONE	APPROVED BY	DRAWN BY L. FUTRELL
DATE: 10-10-74		
WALDEN'S CROWN ESTATES - SOUTH URD SCHEMATIC SWITCHING DIAGRAM		
		DRAWING NUMBER E-36-B

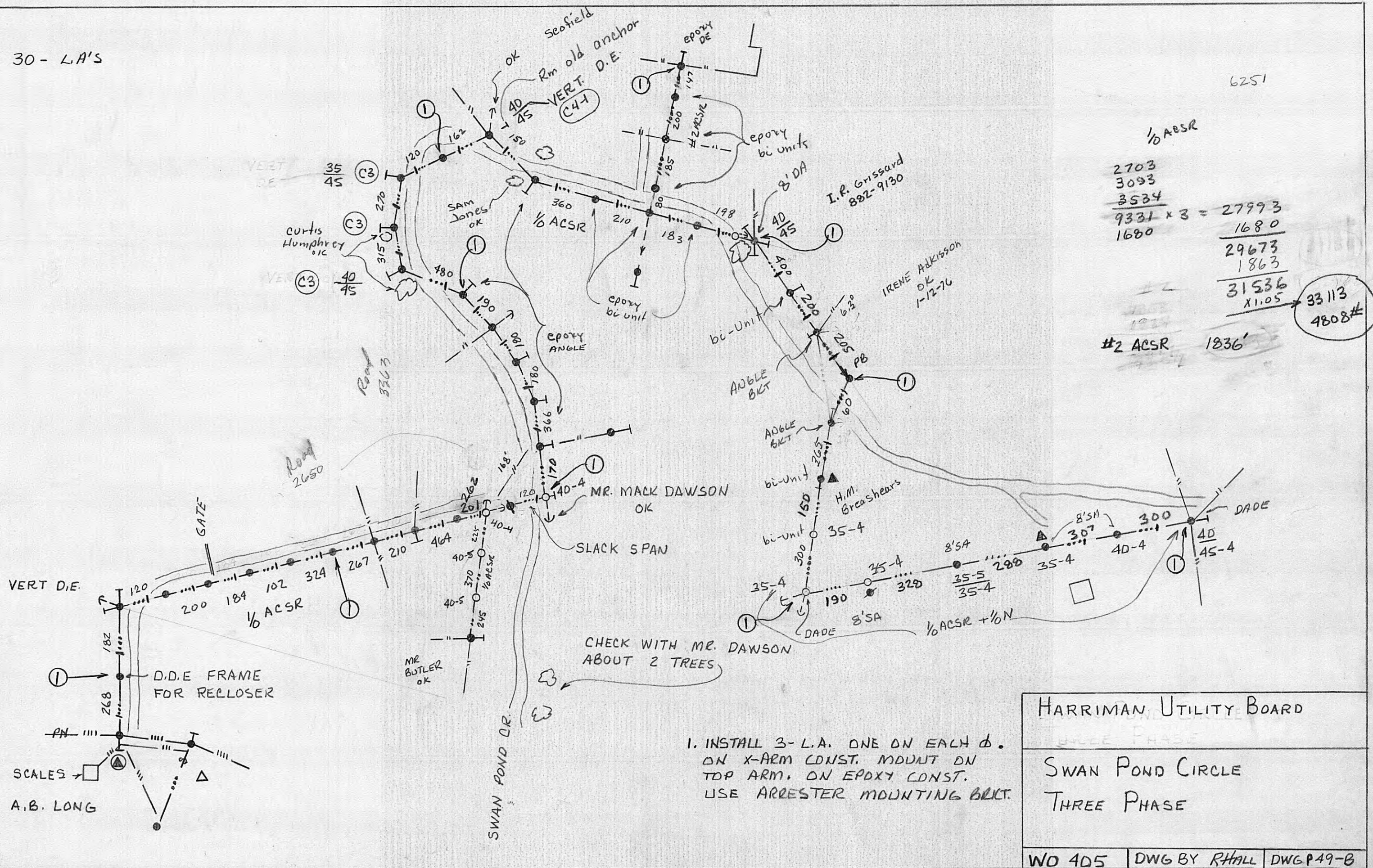


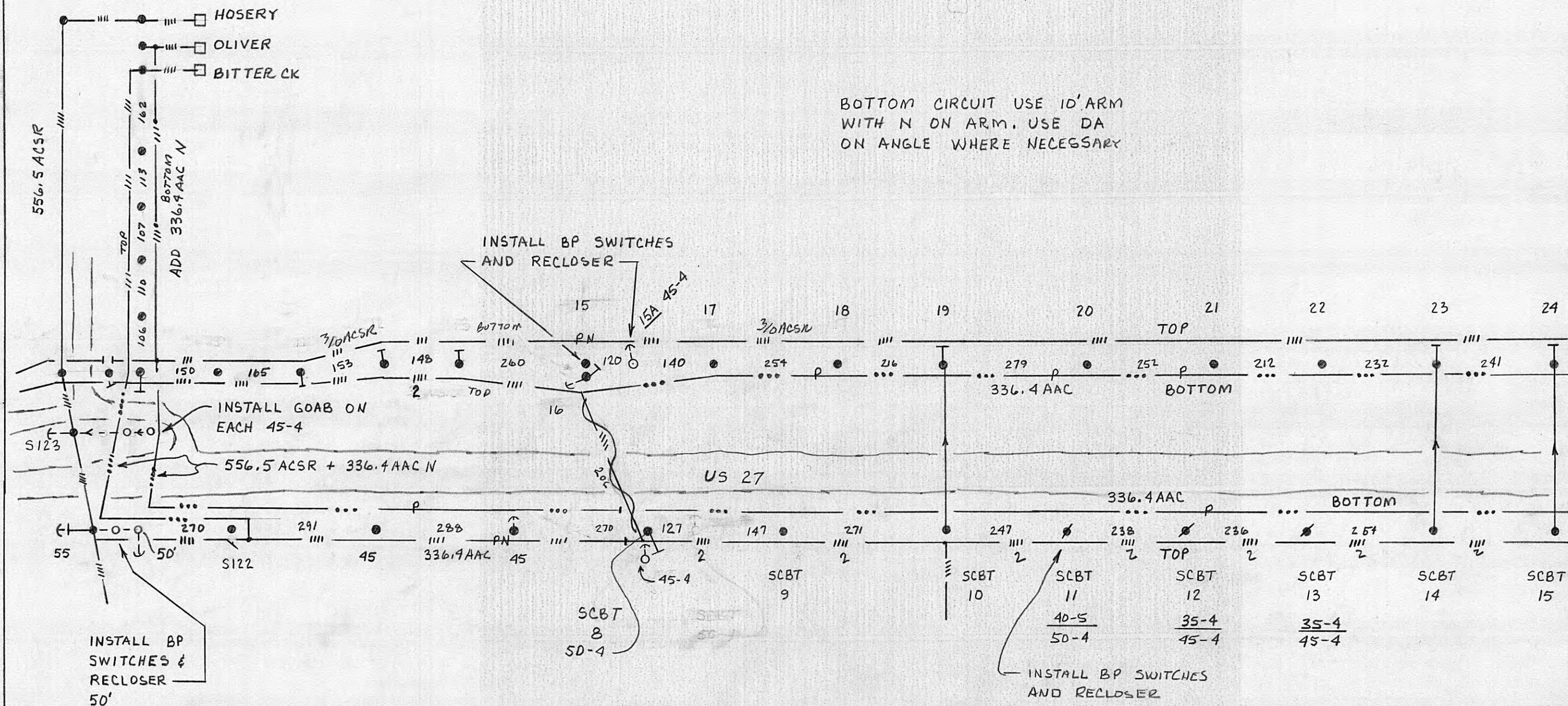
SAG CHART 336.4 ACSR						
L	D _{i30}	D _{i60}	D _{i90}	D _{f90}	D _{f120}	T _{MAX}
285	1.8	2.45	3.3	4.87	6.11	2947
155	.53	.72	.98	1.44	1.81	
347	2.62	3.63	4.89	7.22	9.06	
288	1.84	2.50	3.37	4.97	6.24	
291	1.88	2.55	3.44	5.08	6.37	

SAG CHART 3/0 ACSR						
L	D _{i30}	D _{i60}	D _{i90}	D _{f90}	D _{f120}	T _{MAX}
285	1.5	2.0	2.7	3.2	4.0	2260
291	1.56	2.08	2.81	3.33	4.16	

HARRIMAN UTILITY BOARD HARRIMAN, TENN.		
SCALE: NTS	APPROVED BY	DRAWN BY RHALL
DATE: 8-20-75		
CLAX GAP-BITTER CREEK-ROANE HDSERY FEEDER TIE 336.4 ACSR		
		DRAWING NUMBER P-38-B

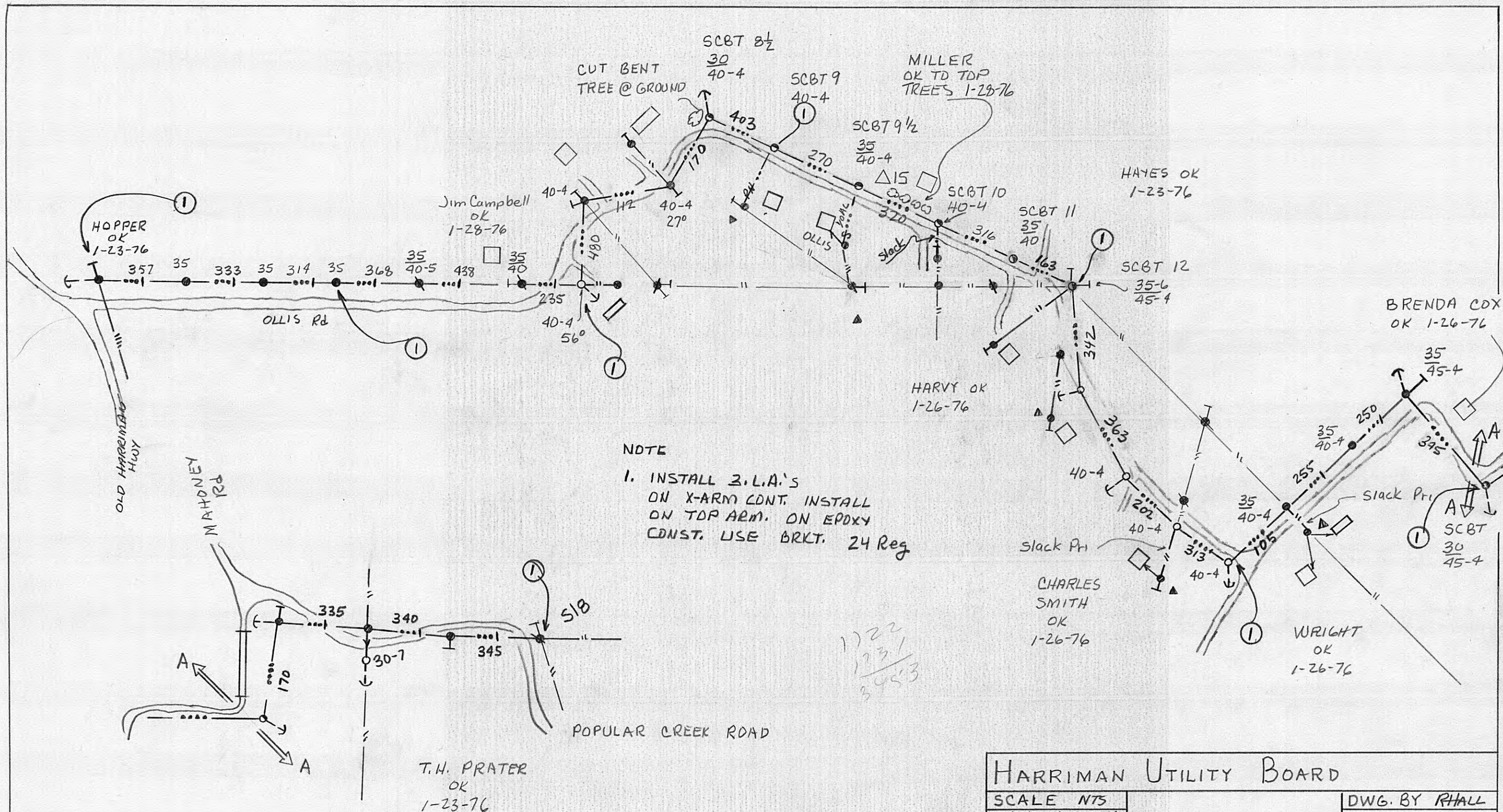
30 - L.A.'s



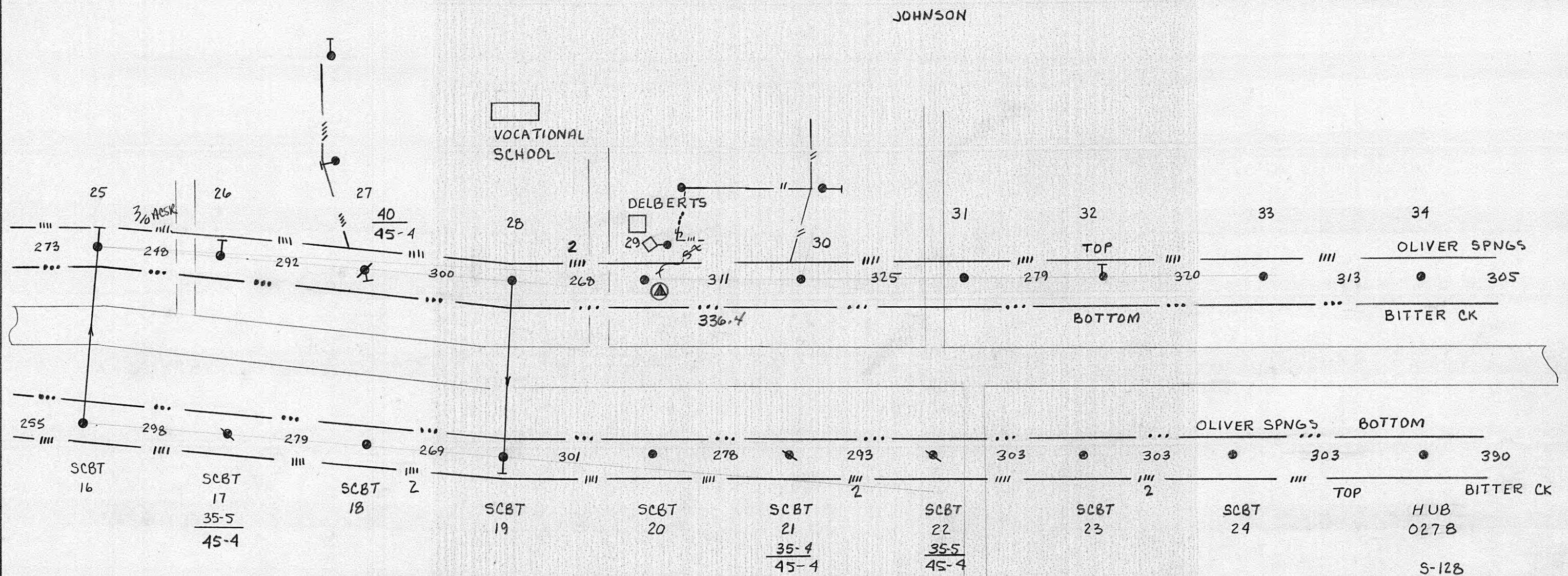


NOTES:

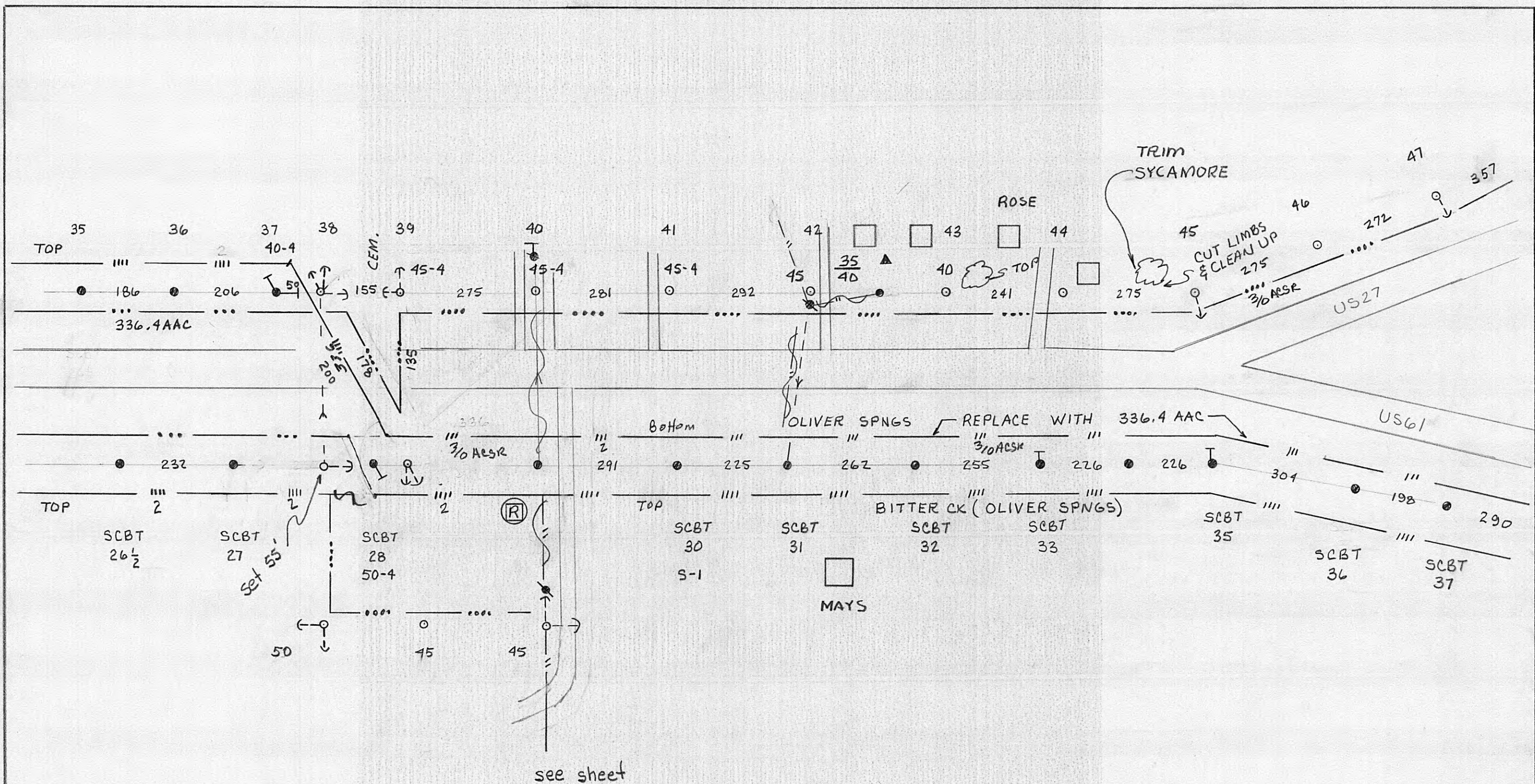
HARRIMAN UTILITY BOARD			
OLIVER SPRINGS & BITTER CREEK DUEL CIRCUIT 336.4AAC			
413			
WO. NO. 413			
DATE 3-17-76	DWG BY R Hall	DWG. NO. 53-B	



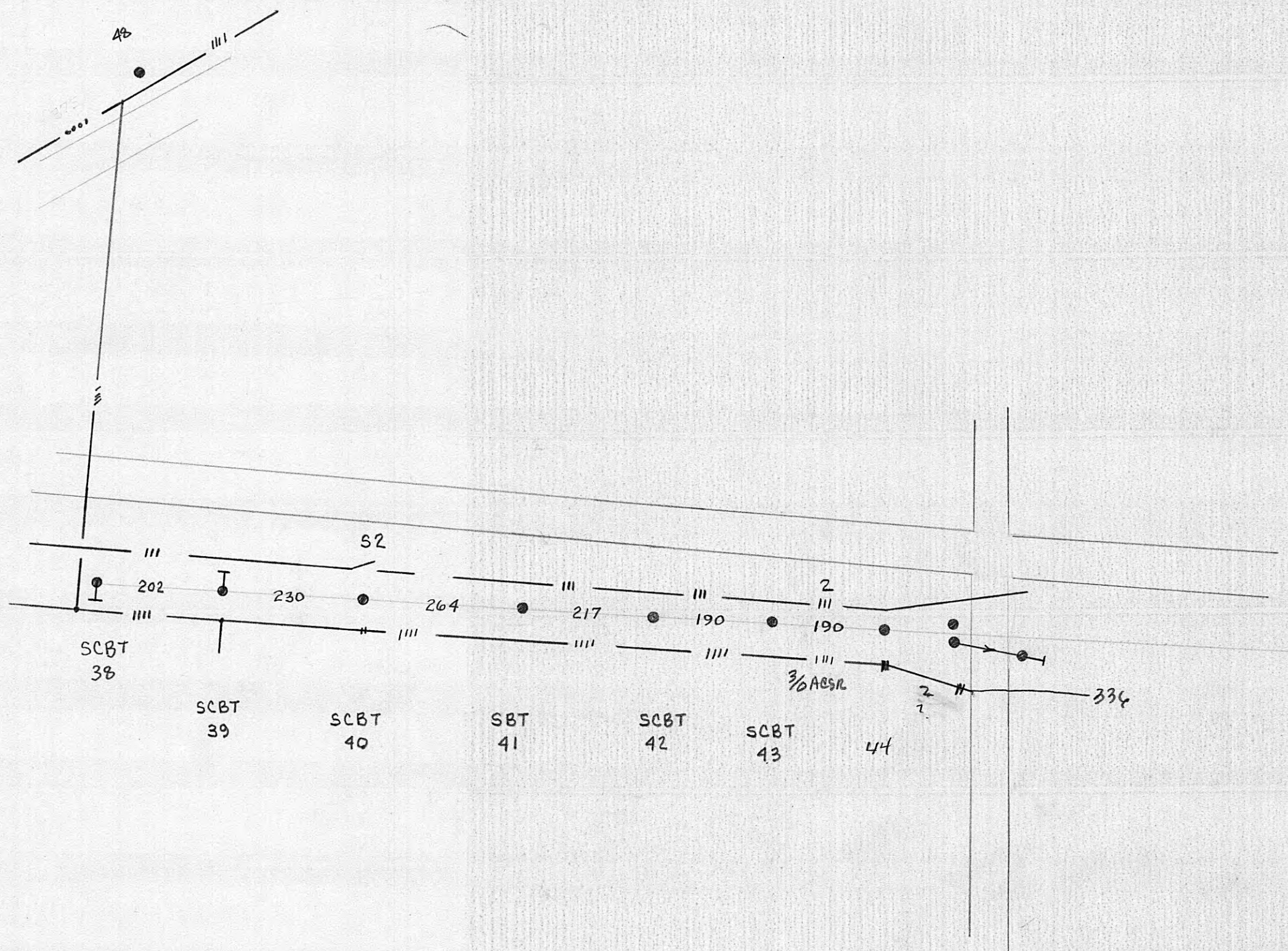
HARRIMAN UTILITY BOARD		
SCALE NTS		DWG. BY RHALL
DATE 1-30-76		
OLLIS ROAD THREE PHASE		
WO. 408	RHALL	DWG. NO. 51-B



HARRIMAN UTILITY BOARD		
OLIVER SPRINGS & BITTER CREEK DUEL CIRCUIT 336.4 AAC		
WO. NO. 413		
DATE 3-22-76	DWN. BY. RHALL	DWN NO. 54-B

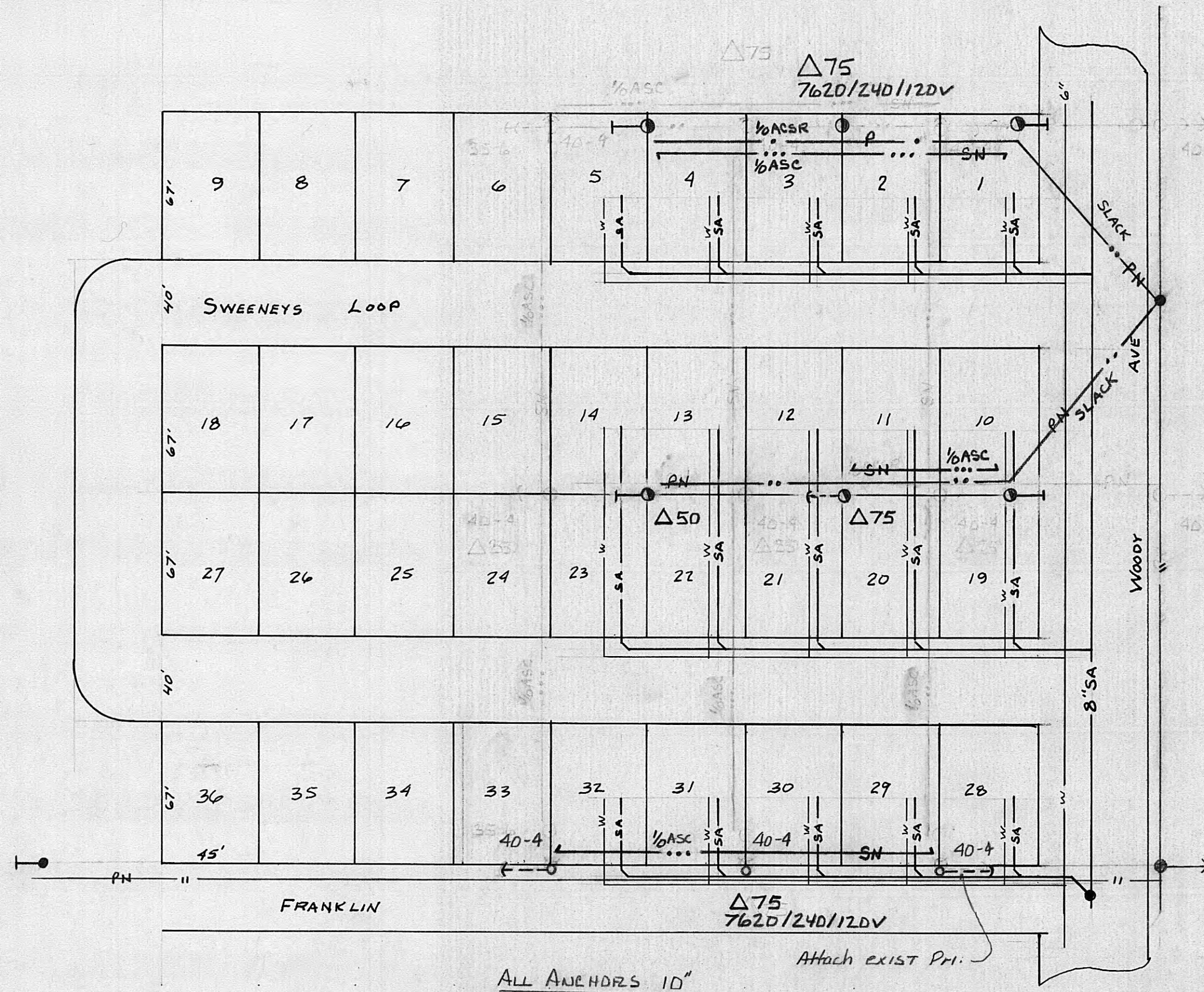


HARRIMAN UTILITY BOARD		
OLIVER SPRINGS & BITTER CREEK		
DUEL CIRCUIT 336.4 AAC		
WD. NO. 413		
DATE: 3-25-76	DWN. BY: RHALL	DWG. NO. 55-B



HARRIMAN UTILITY BOARD		
OLIVER SPRINGS & BITTER CREEK DUEL CIRCUIT 336.4AAC		
WO. NO. 413		
DATE: 3-26-76	DWN. BY: RHALL	DWG. NO. 56-B

Request S.C.B to
set joint use poles



HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

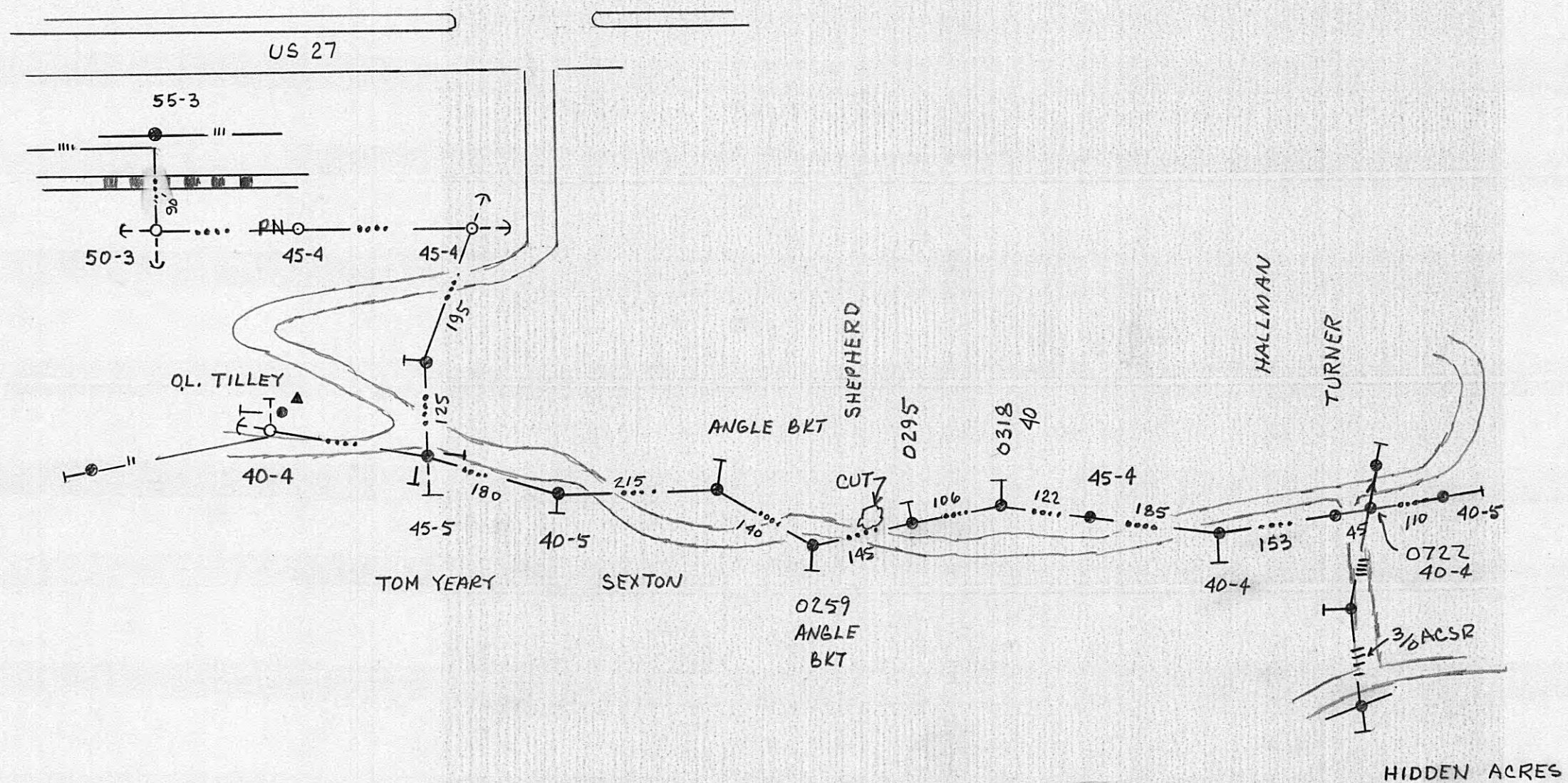
JULIAN AHLER TRAILER
PARK

WOODY AVE.

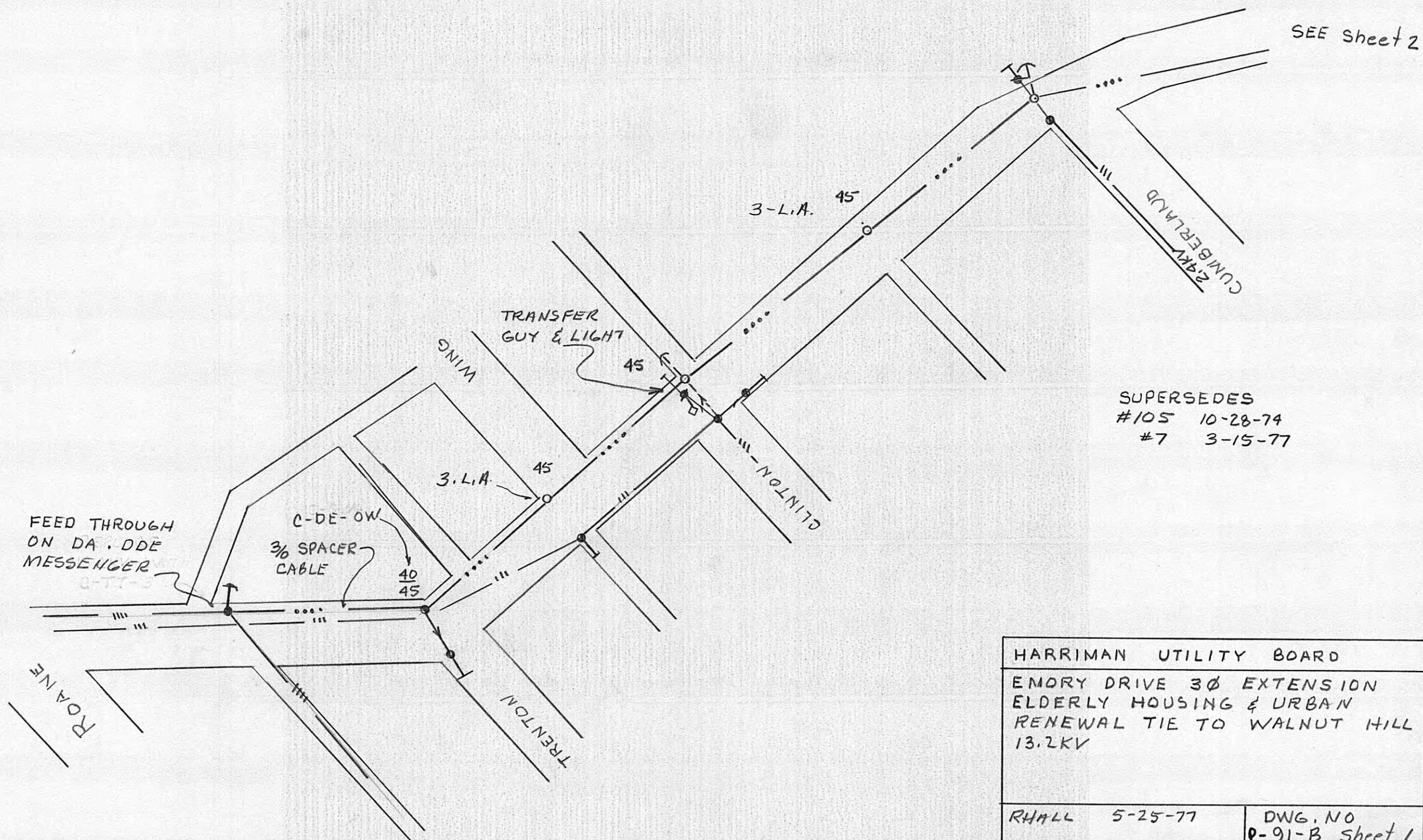
DATE 3-13-73
ENG: R.HALL

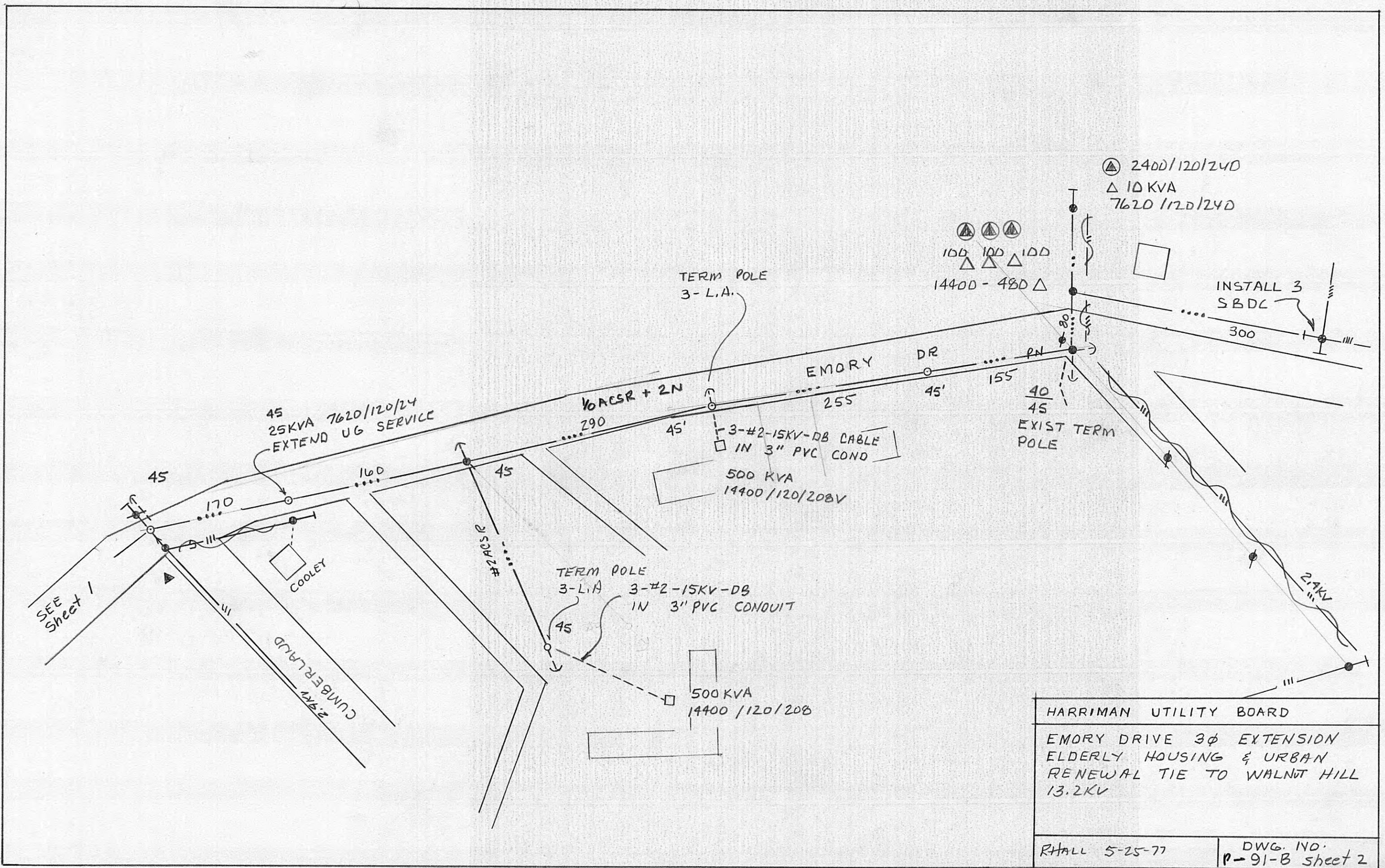
DWG. NO.
E-15-B

DAVID BREWES

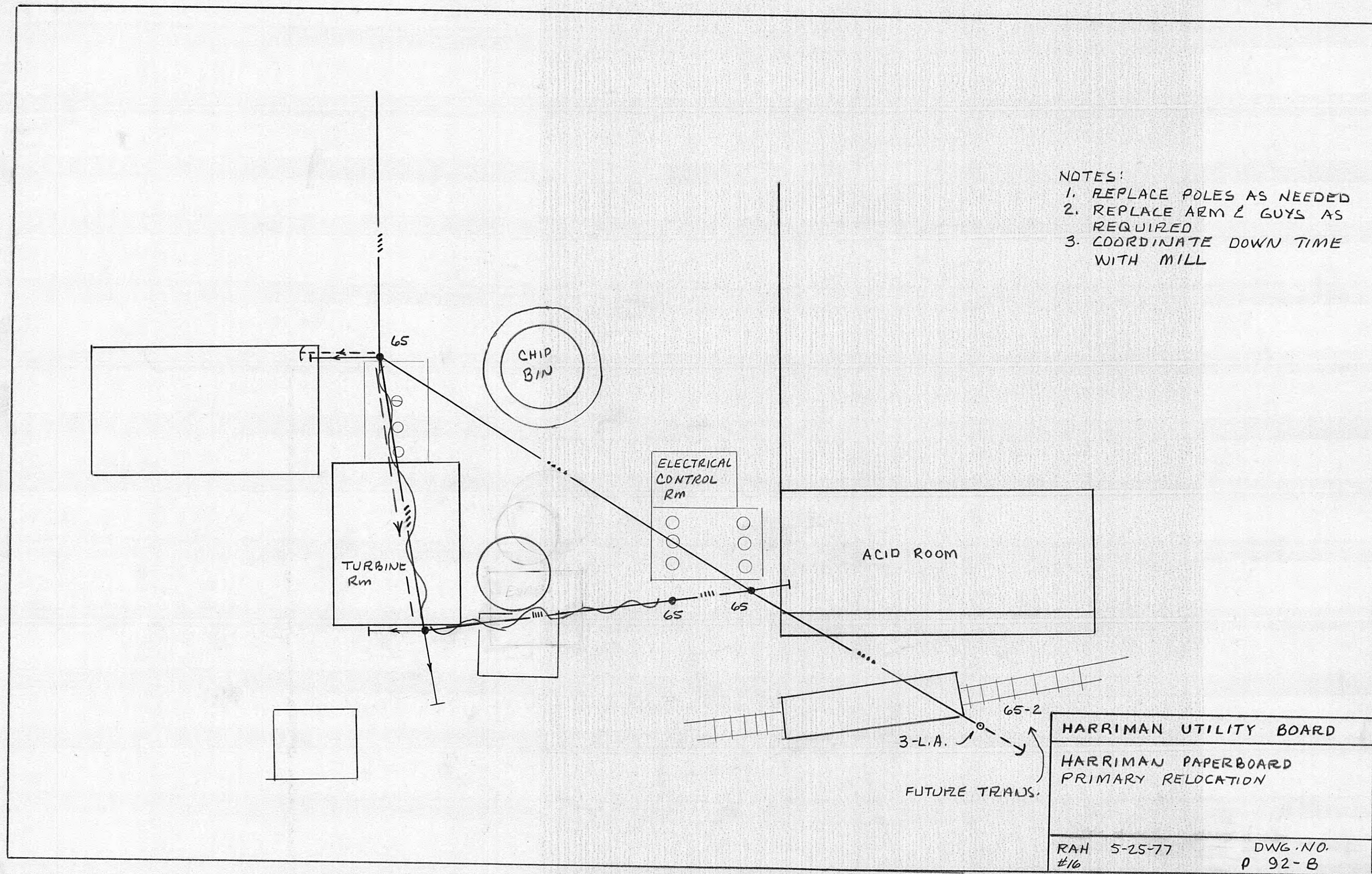


HARRIMAN UTILITY BOARD		
THREE PHASE HICKMAN SUBDIVISION		
WO. NO. 414		
DATE 5-17-76	DWN. BY. R. HALL	DWG. NO. P-57-B





HARRIMAN UTILITY BOARD	
EMORY DRIVE 3φ EXTENSION ELDERLY HOUSING & URBAN RENEWAL TIE TO WALNUT HILL 13.2KV	
RHall 5-25-77	DWG. NO. P-91-B sheet 2



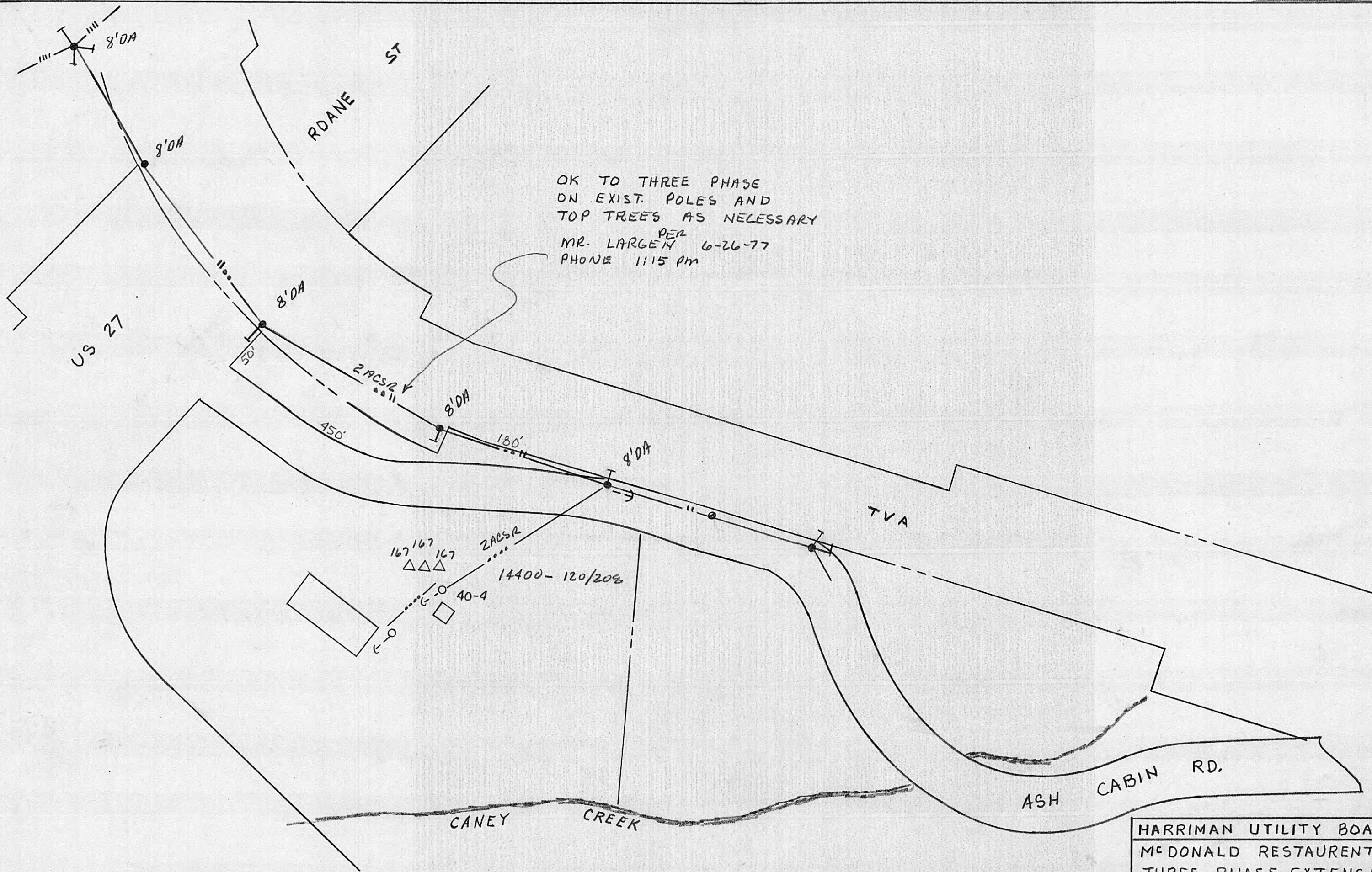
- NOTES:
1. REPLACE POLES AS NEEDED
 2. REPLACE ARM & GUYS AS REQUIRED
 3. COORDINATE DOWN TIME WITH MILL

HARRIMAN UTILITY BOARD

HARRIMAN PAPERBOARD
PRIMARY RELOCATION

RAH 5-25-77
#16

DWG. NO.
P 92-B



HARRIMAN UTILITY BOARD
MCDONALD RESTAURENT
THREE PHASE EXTENSION

DWG. P 95-B
NO.

I-40

Reservoir

TVA

Phillips

US27

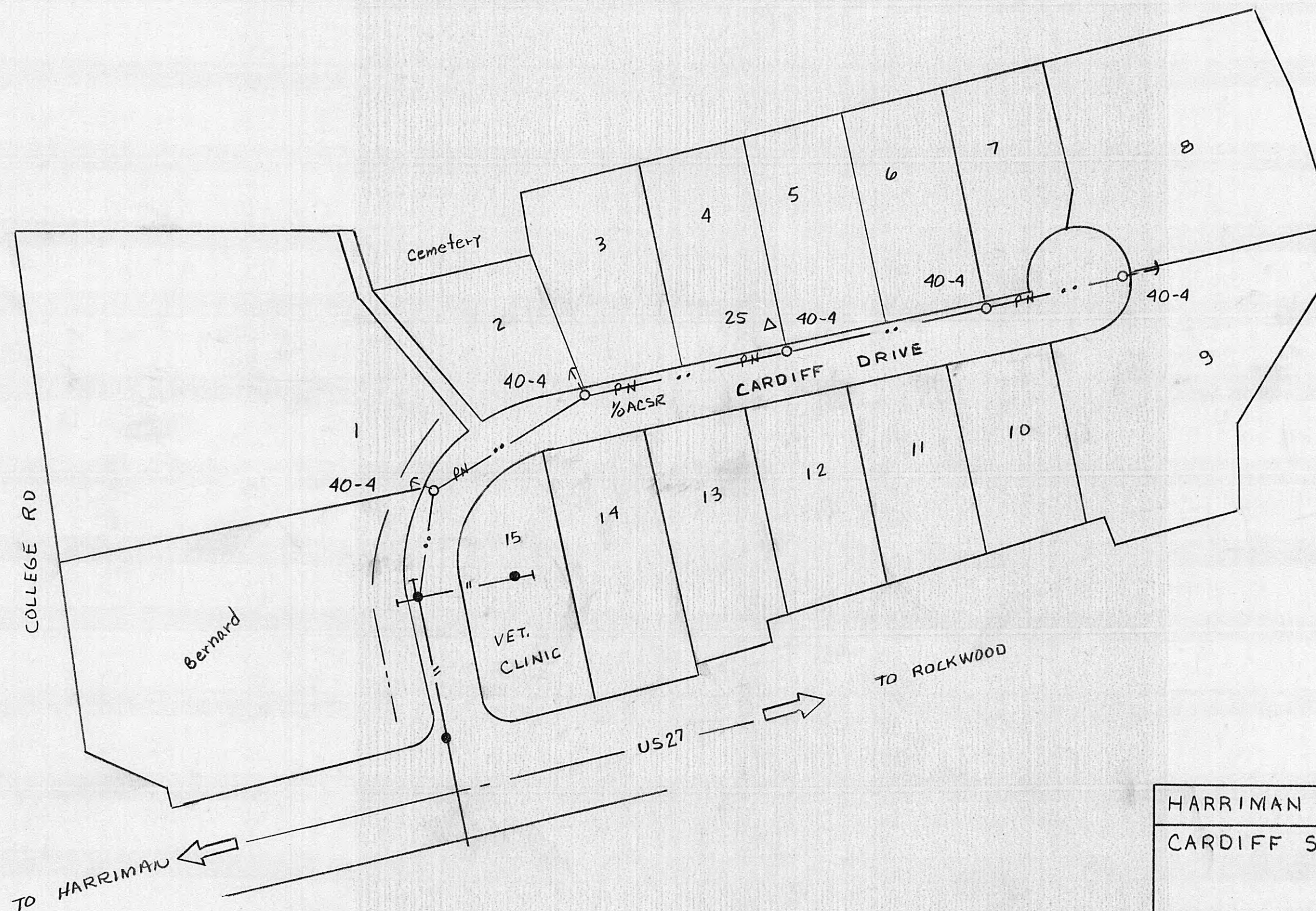
17- 40-4
2 - 30-4
9 - ANC
2 - SPAN GUY
11,600' - 1/0 ACSR

TVA PERMIT REQUIRED
INDUSTRIAL PARK EASEMENT REQ
INTERSTATE I40 EASEMENT "
STATE TO CUT R/W FOR LINES

HARRIMAN UTILITY BOARD
SINGLE PHASE LINE EXTENSION
TO I40 SLIDE - ROANE CO.
INDUSTRIAL PARK

RHALL 7-25-77

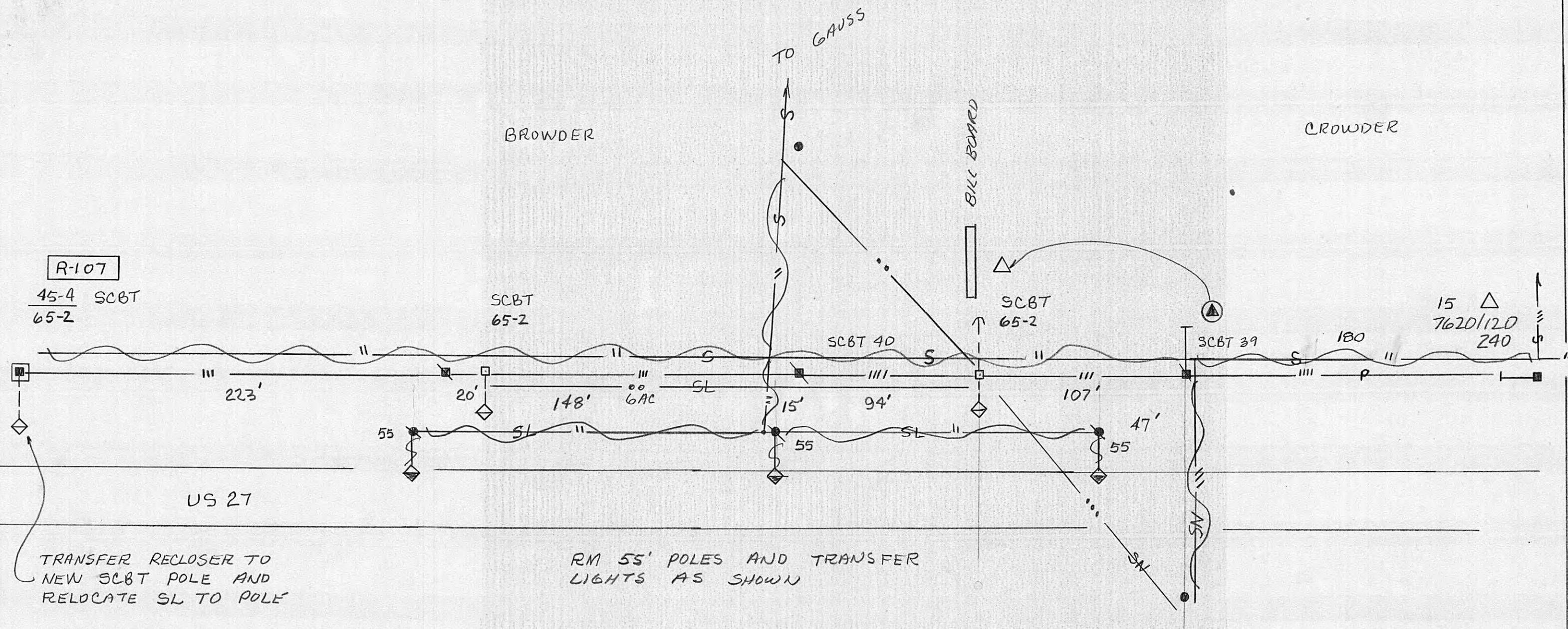
P- 99-B



HARRIMAN UTILITY BOARD
CARDIFF SUBDIVISION

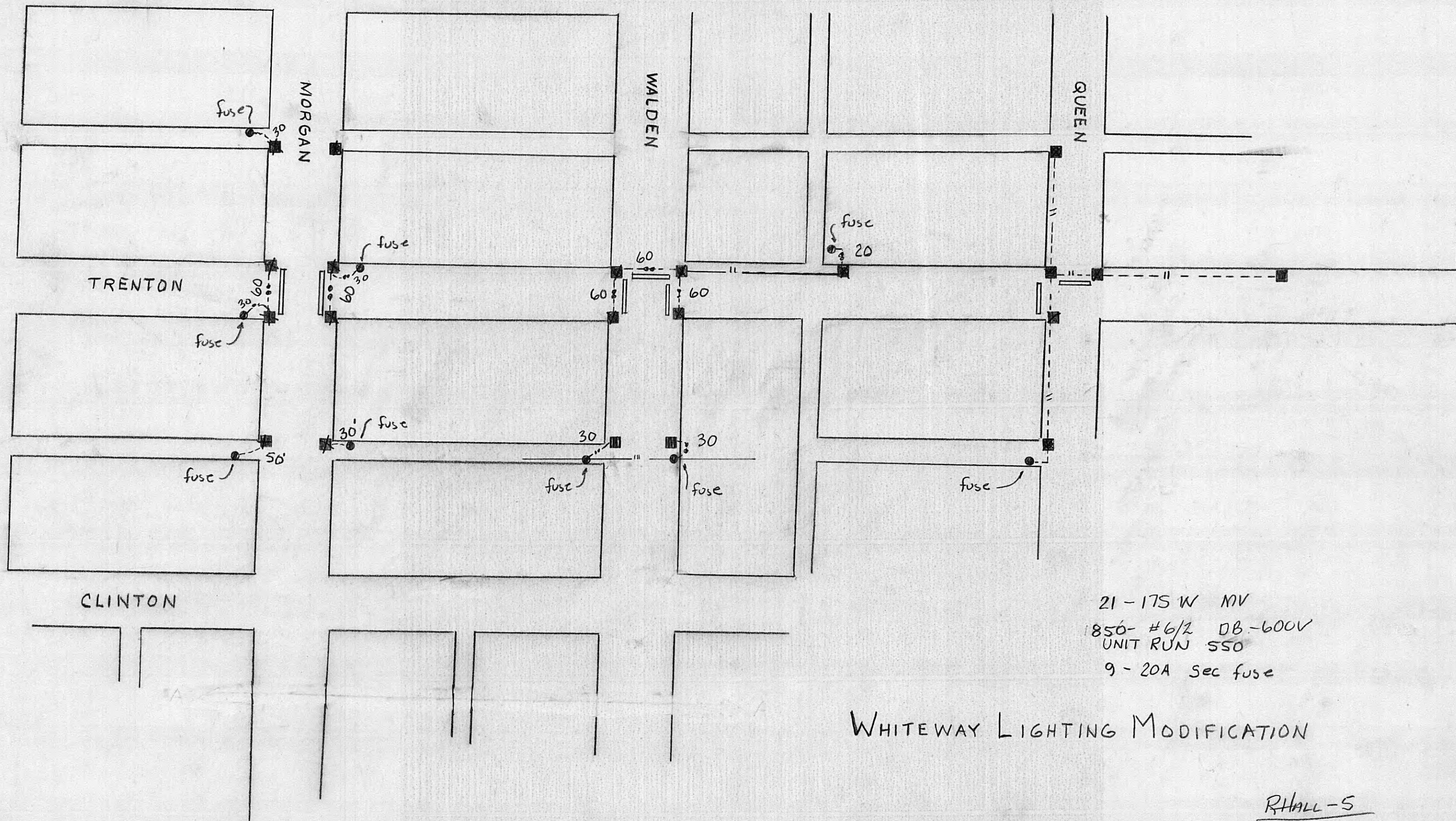
SKETCH RHALL/40

RHALL 10-24-77 DWG. NO. P115-B



HARRIMAN UTILITY BOARD	
BROWDER PROPERTY PRIMARY REVAMP	
RHALL 11-4-77	DWG. NO. 1188

ROANE

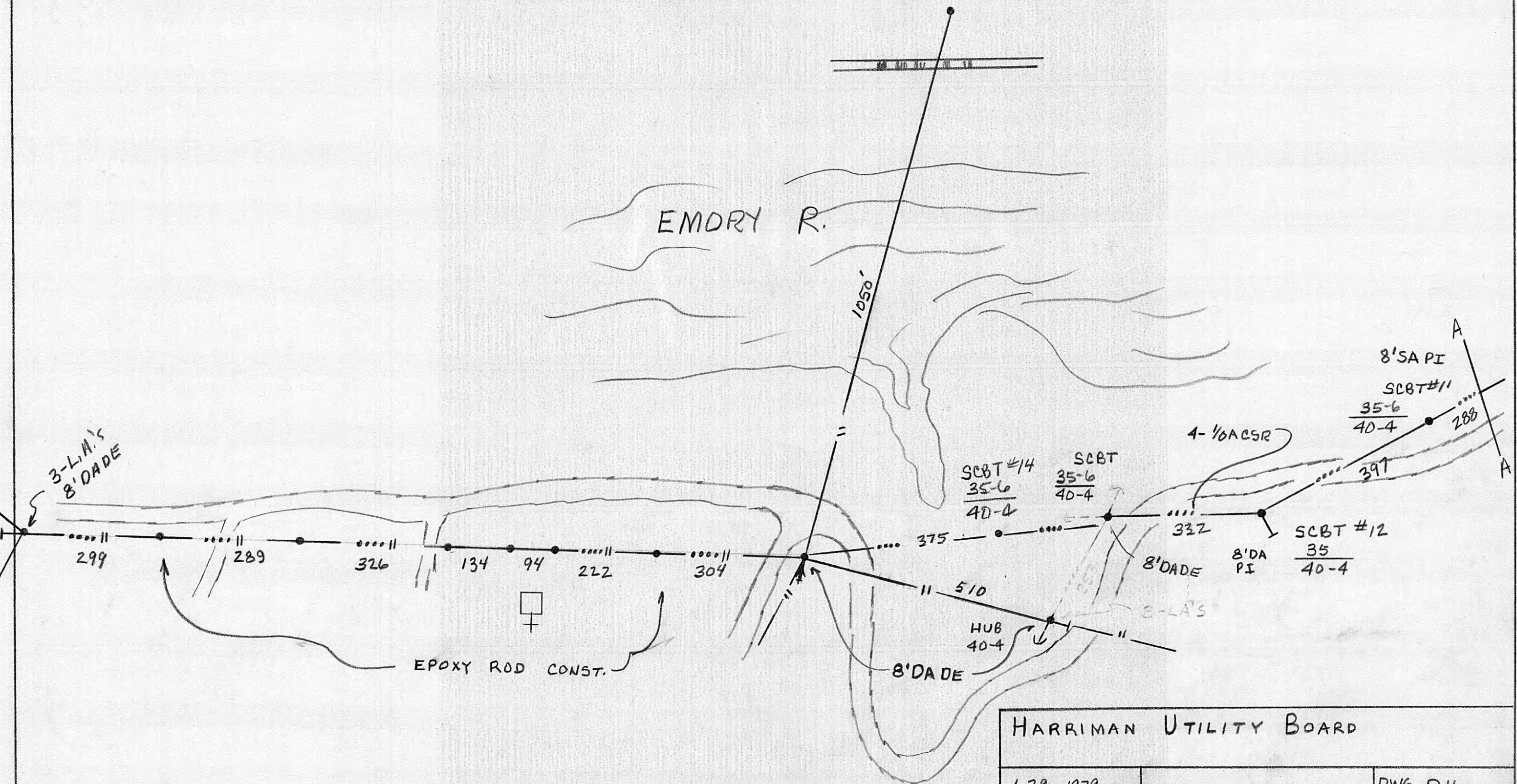


21-175 W MV
850- #6/2 DB-600V
UNIT RUN SSO
9-20A Sec fuse

WHITEWAY LIGHTING MODIFICATION

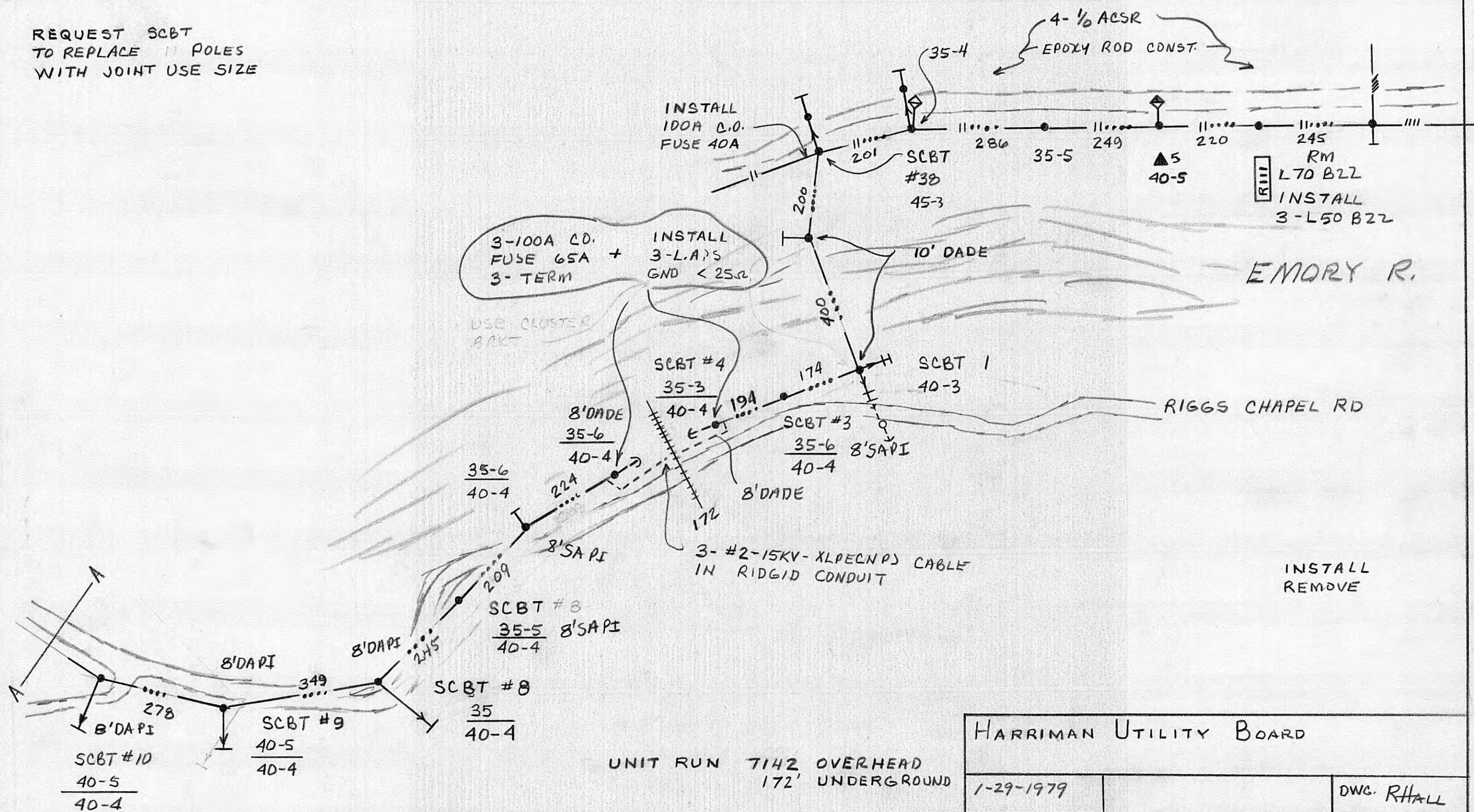
RHALL-5
2-24-78

DWG. NO. P120-B
Sheet 1 of 2



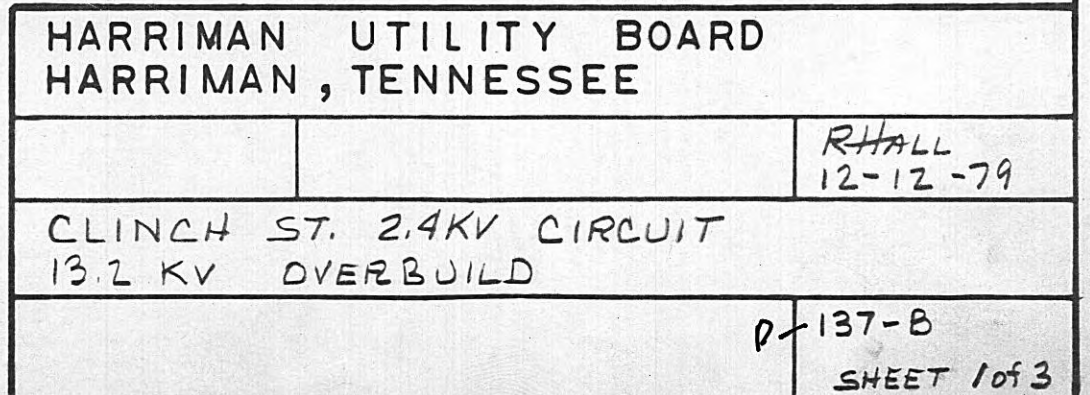
HARRIMAN UTILITY BOARD		
1-29-1979		DWG. R.HALL
RIGGS CHAPEL RD. THREE PHASE		
WO # 430	SHEET 2 OF 2	P124-B

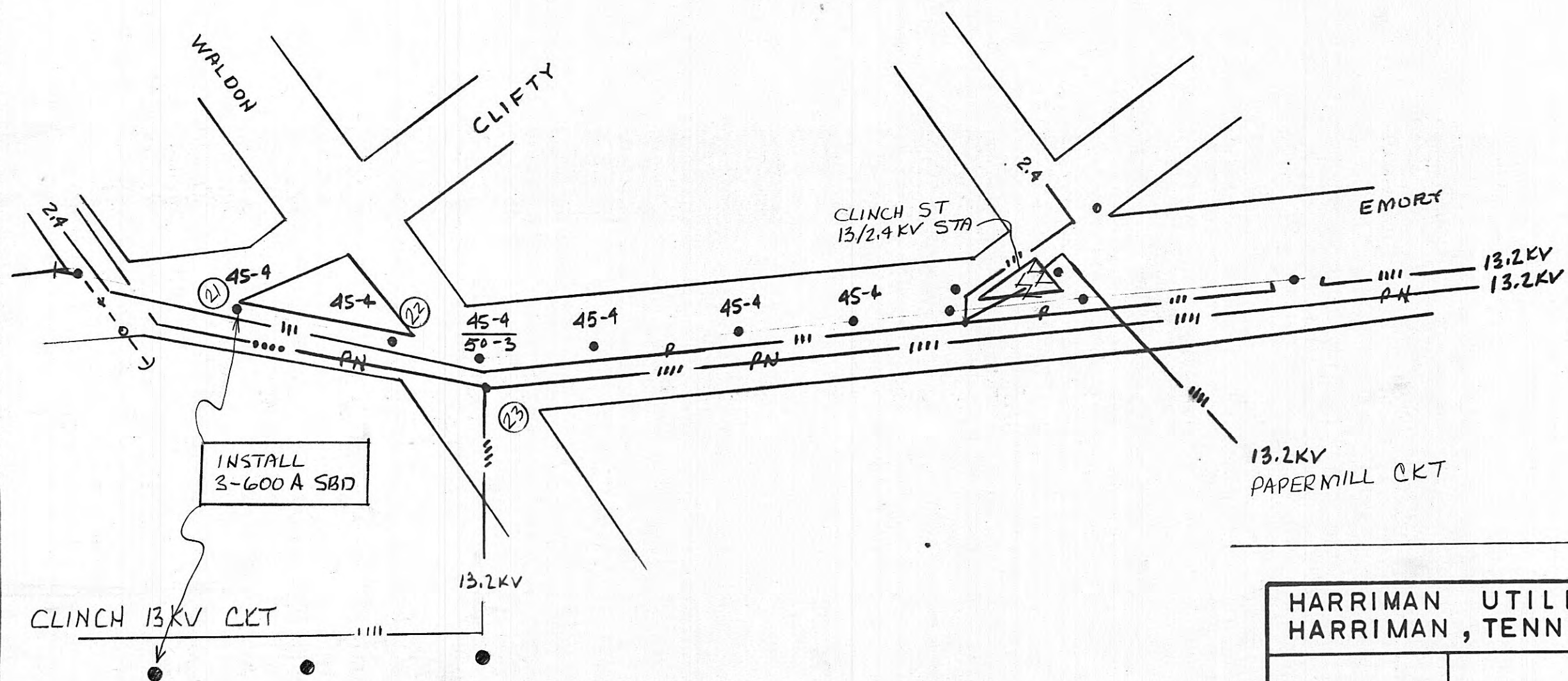
REQUEST SCBT
TO REPLACE 11 POLES
WITH JOINT USE SIZE



UNIT RUN 7142 OVERHEAD
172' UNDERGROUND

HARRIMAN UTILITY BOARD		
1-29-1979		DWG. R. HALL
RIGGS CHAPEL RD THREE PHASE		
WQ. # 430	SHEET 1 of 2	124-B





HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

RHALL
12-12-79

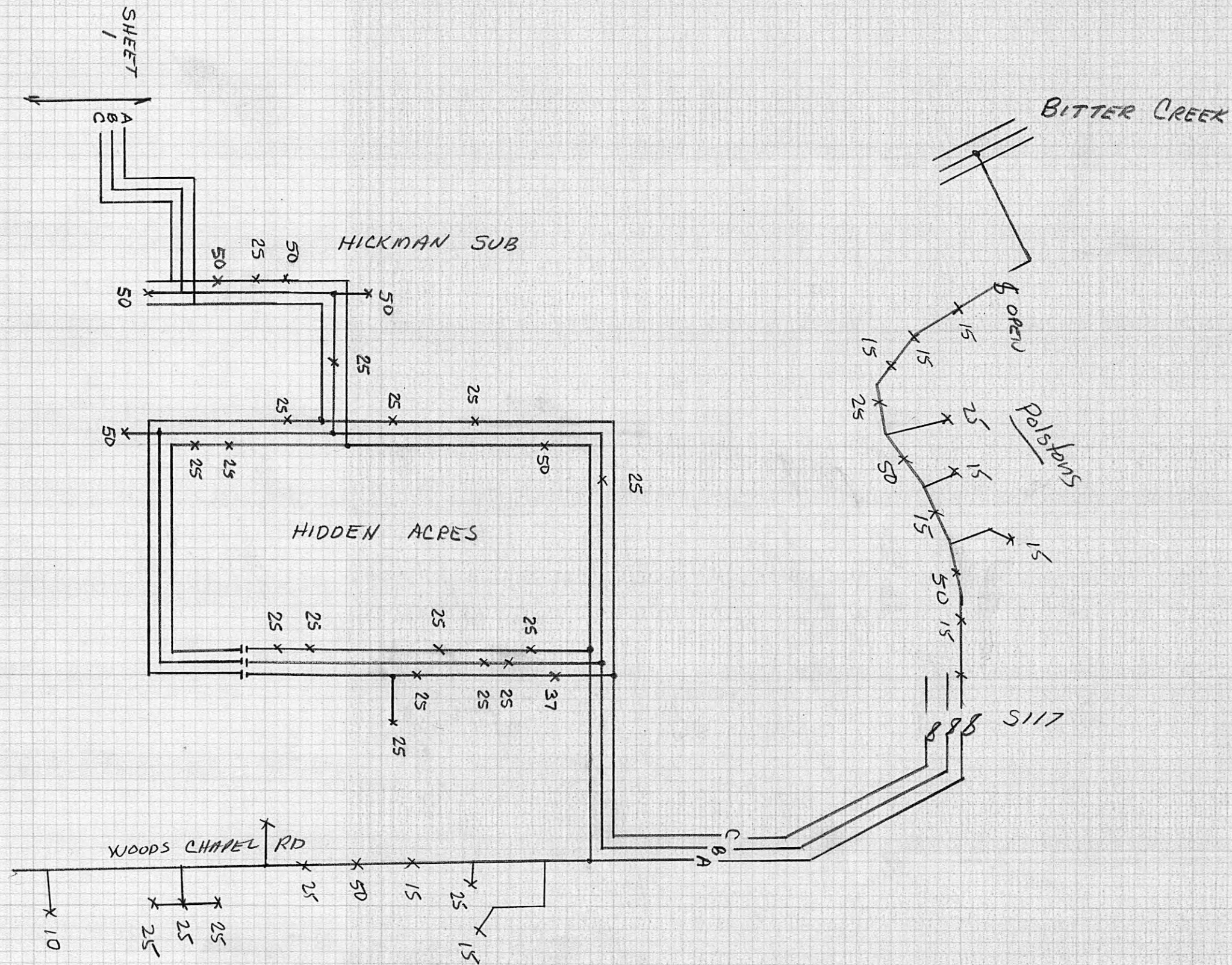
CLINCH ST. CIRCUIT 2.4KV
13.2 KV OVERBUILD

137-B
SHEET 3 of 3

CLINCH ST. 2.4KV Overbuild

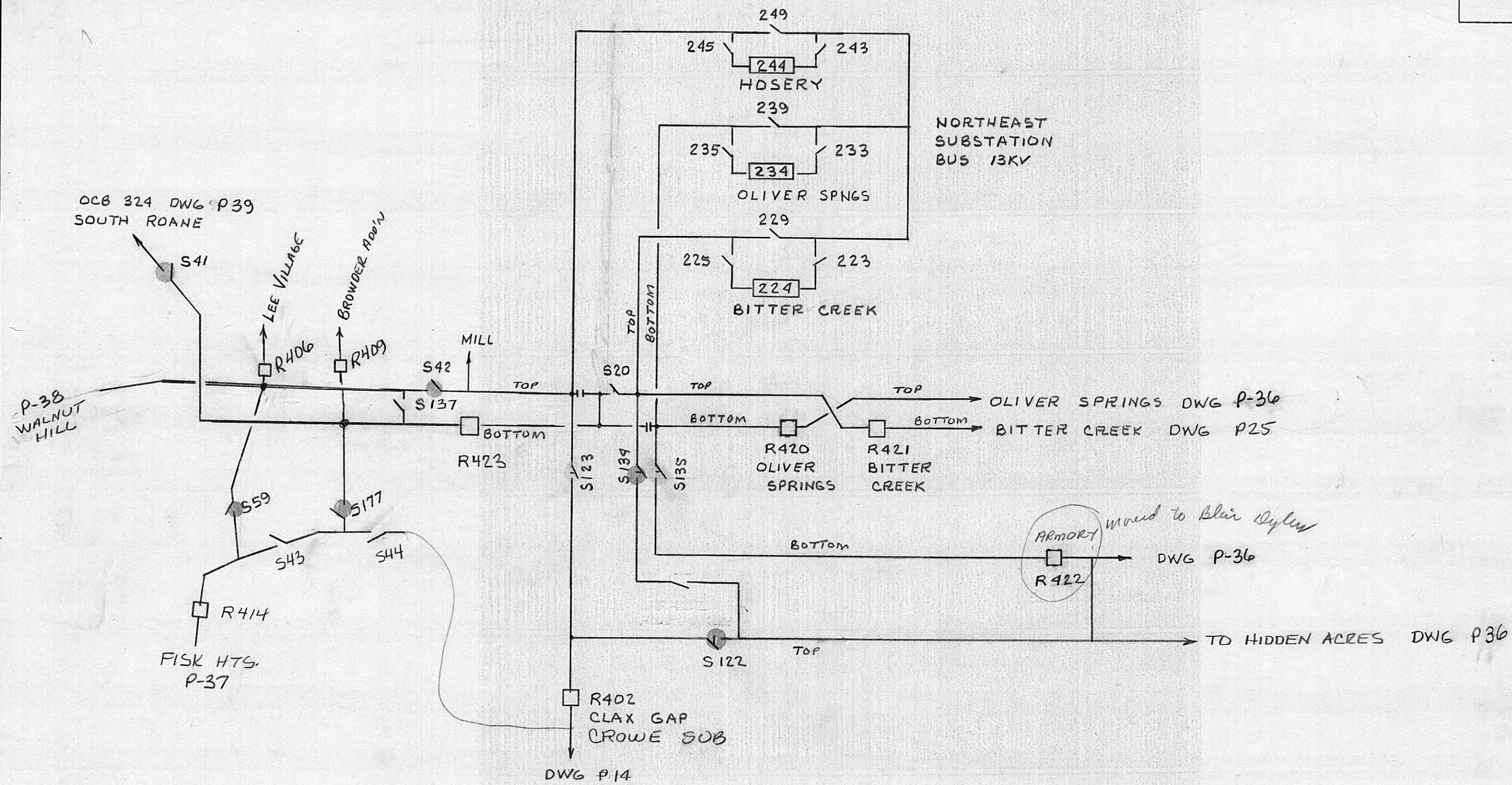
[illegible]

RAN



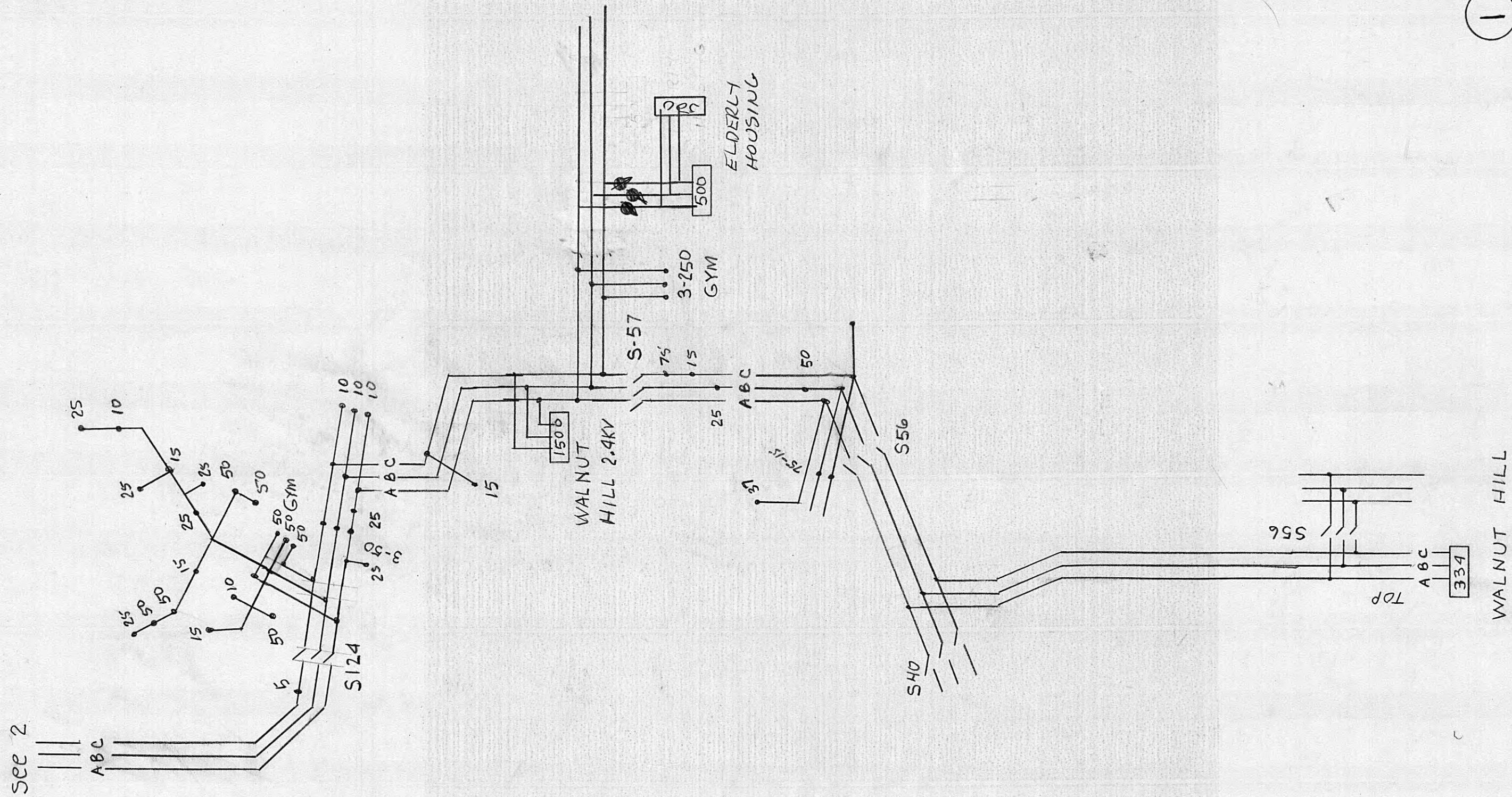
P-36

7



REVISED 8-14-84

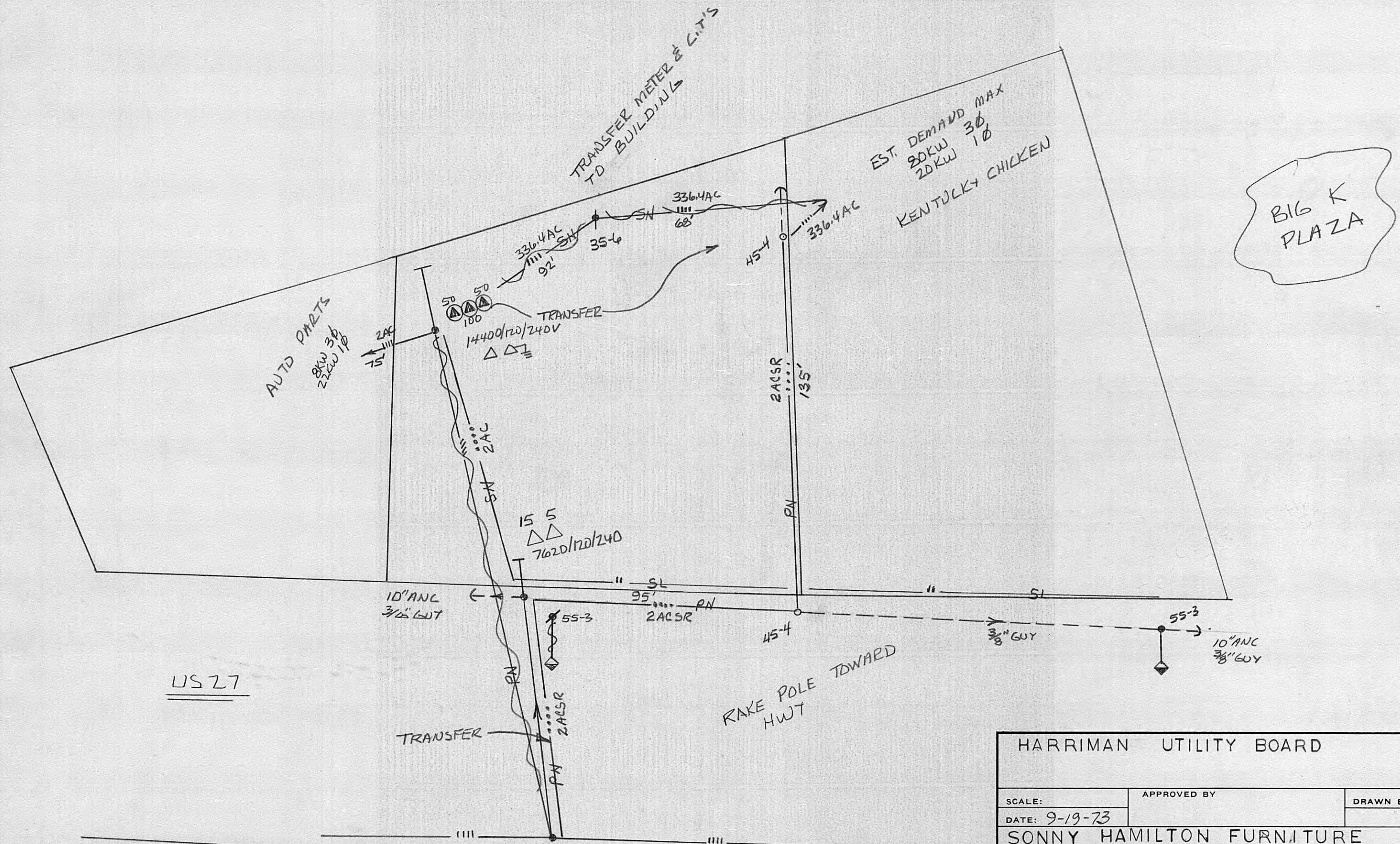
HARRIMAN UTILITY BOARD		
SCALE:	APPROVED BY	DRAWN BY RH
DATE: 6-26-77		
NORTHEAST SUBSTATION SINGLE LINE		
		DRAWING NUMBER 61-B



①

WALNUT HILL

P-38

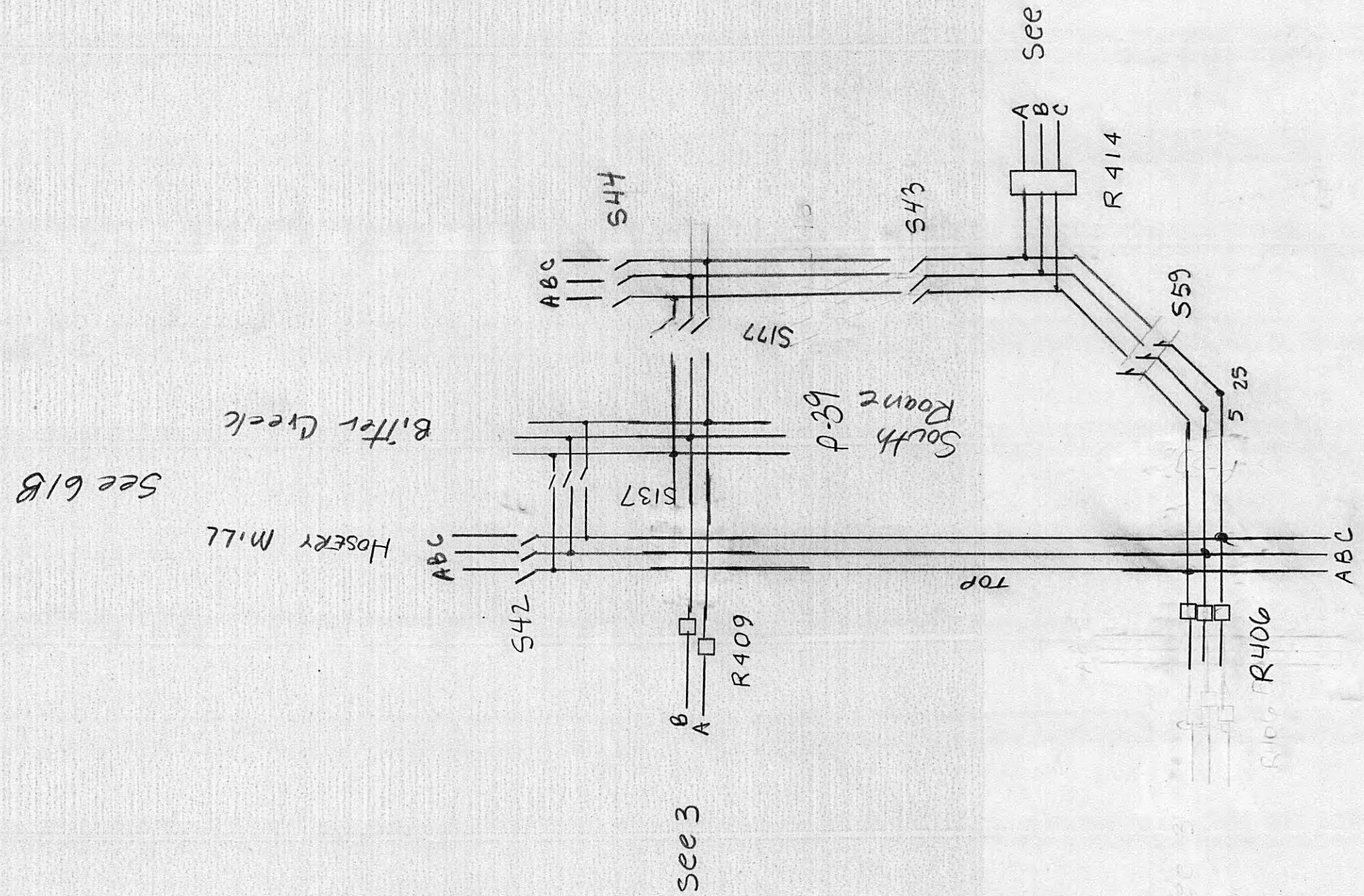


HARRIMAN UTILITY BOARD

SCALE:	APPROVED BY	DRAWN BY <i>RHALL</i>
DATE: 9-19-73		

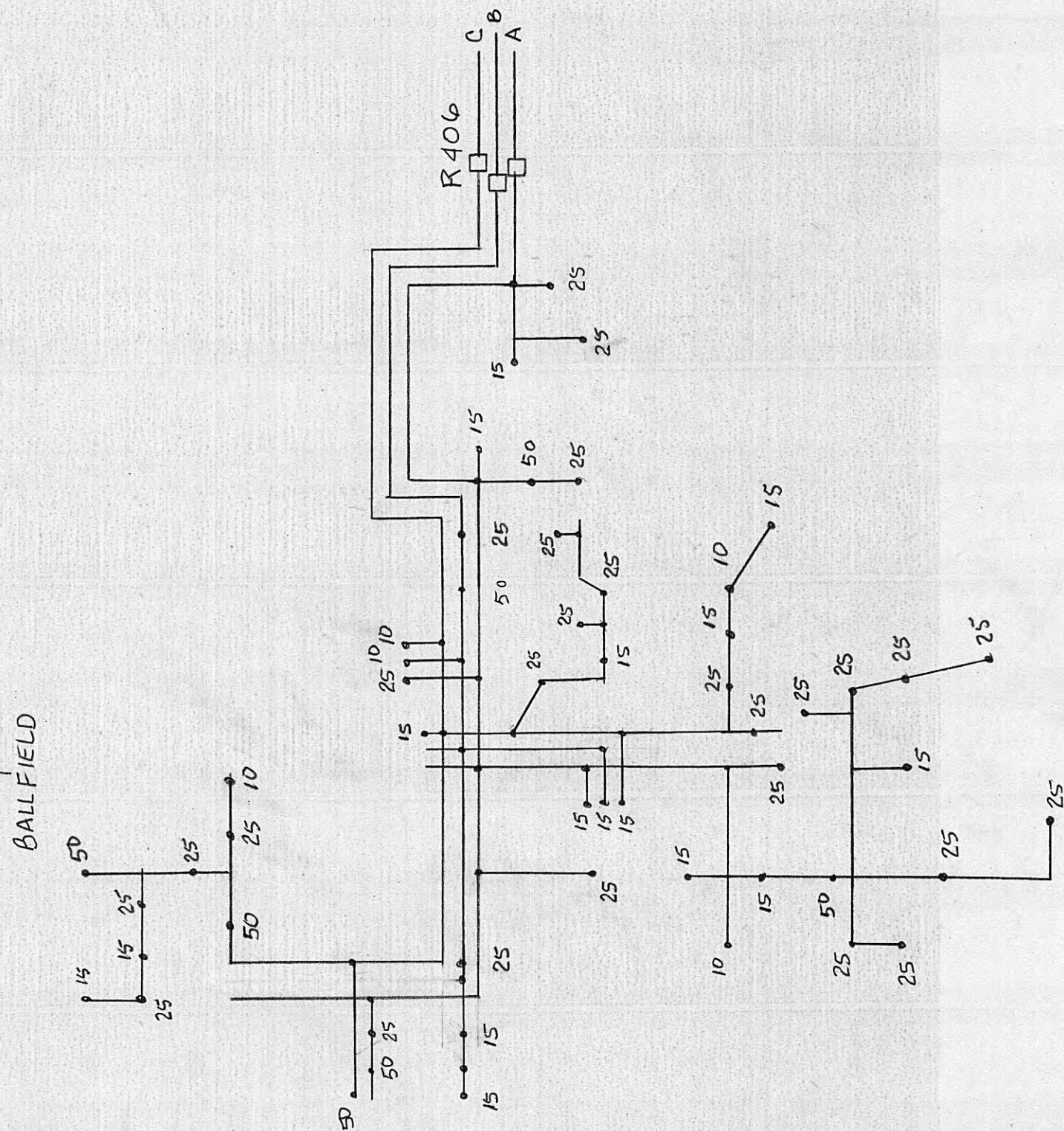
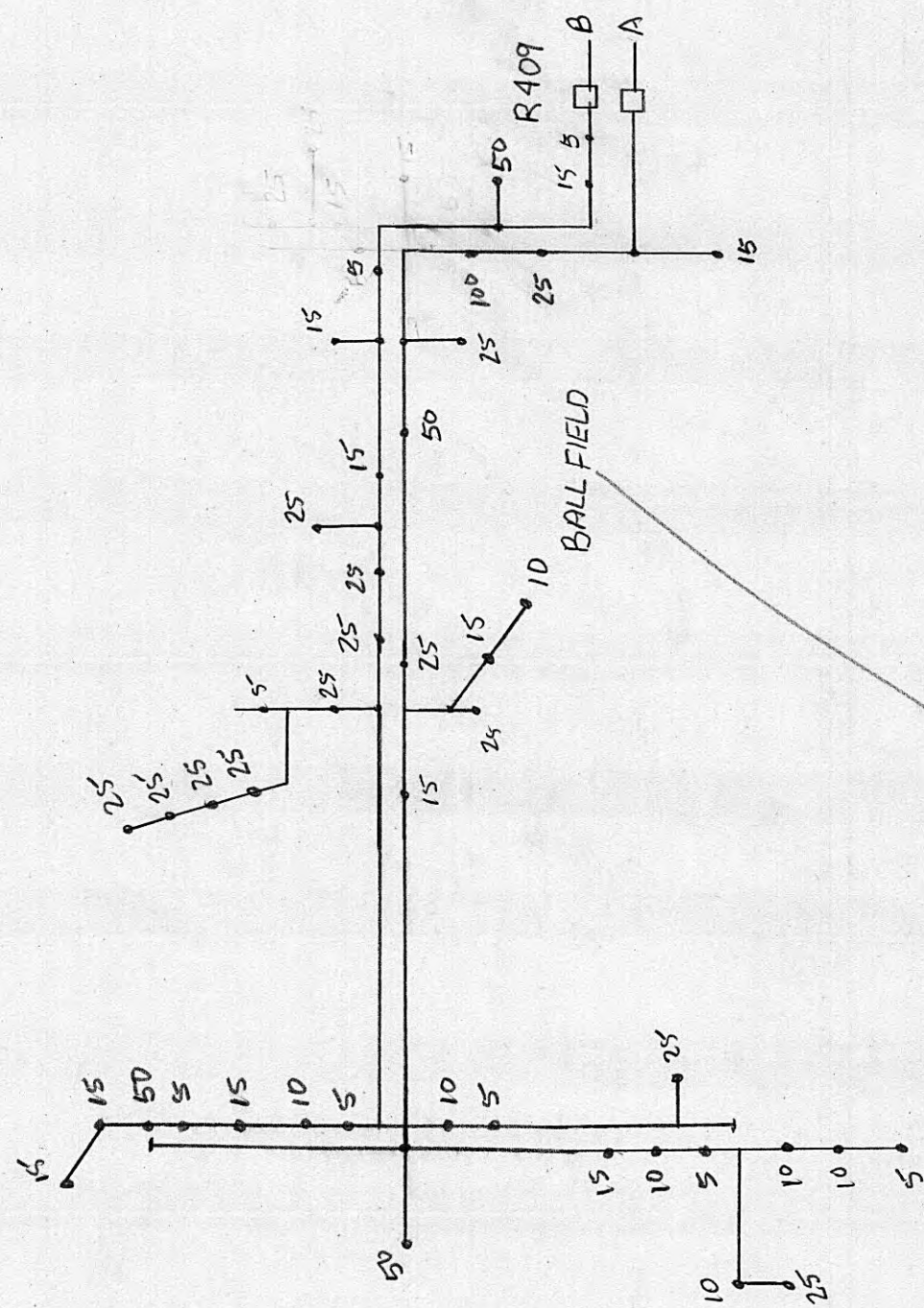
SONNY HAMILTON FURNITURE

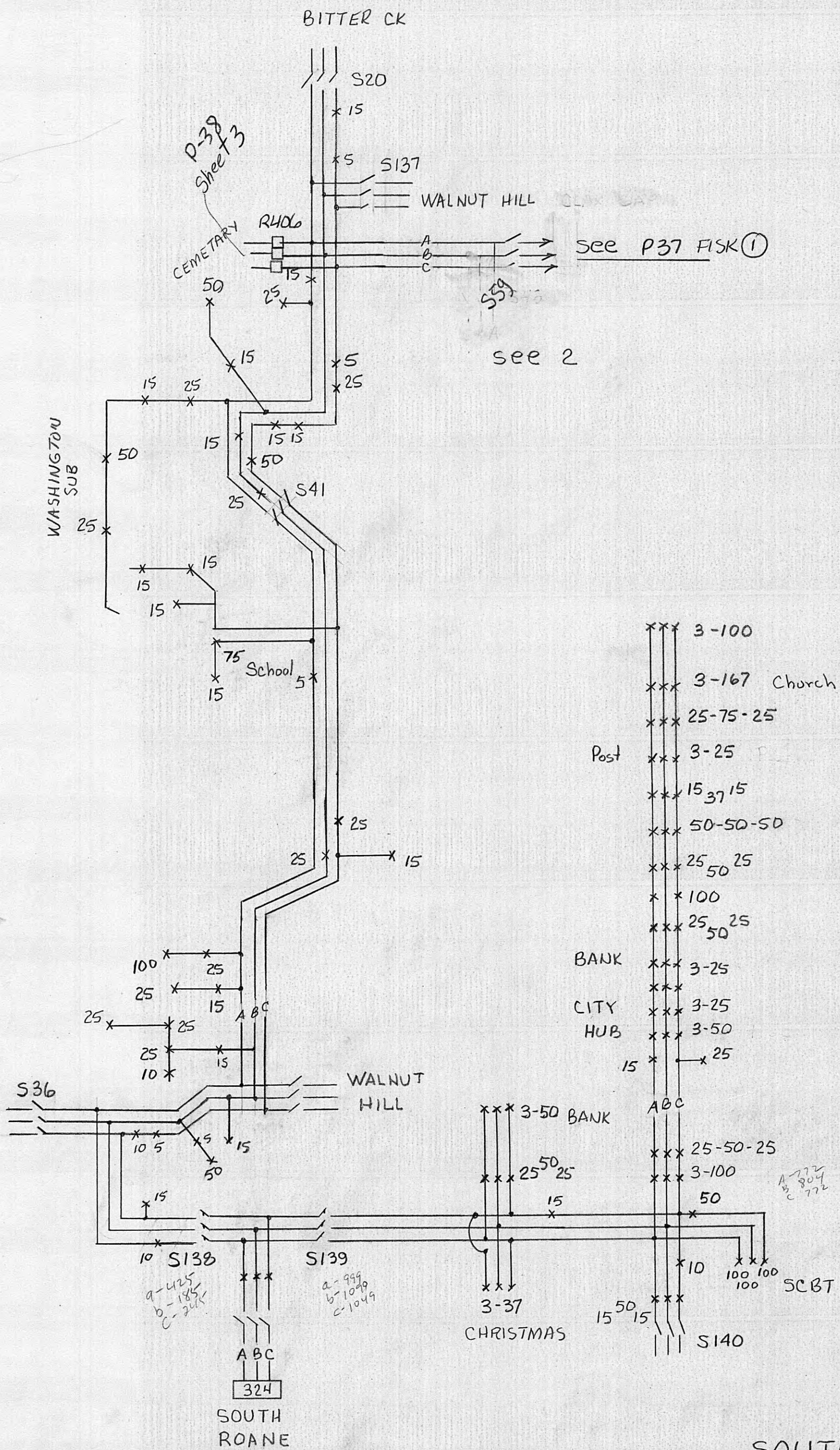
DRAWING NUMBER
E-25-B



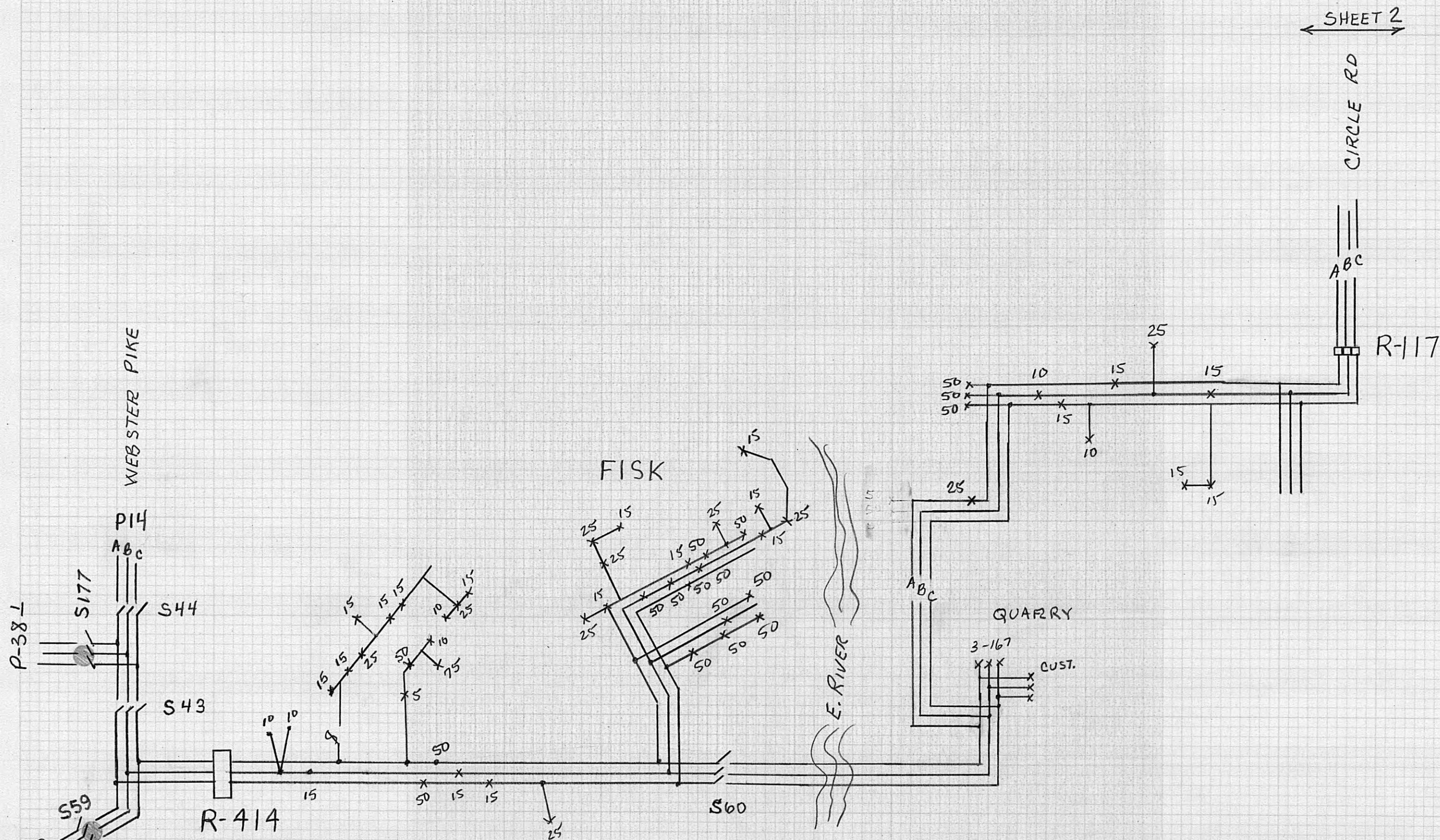
WALNUT HILL
2
P-38

WALNUT HILL
1
P-38



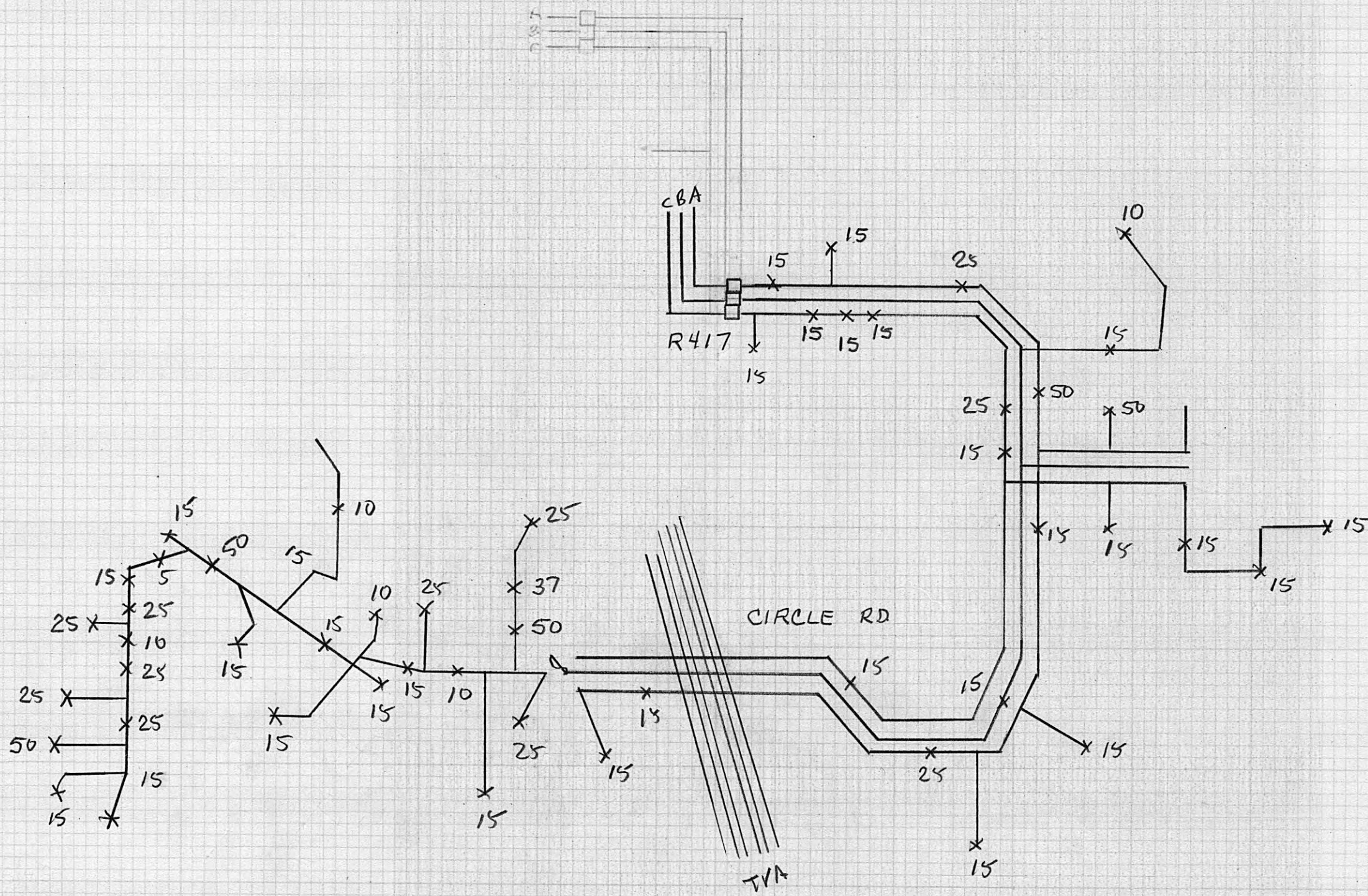


SOUTH ROANE
P-39

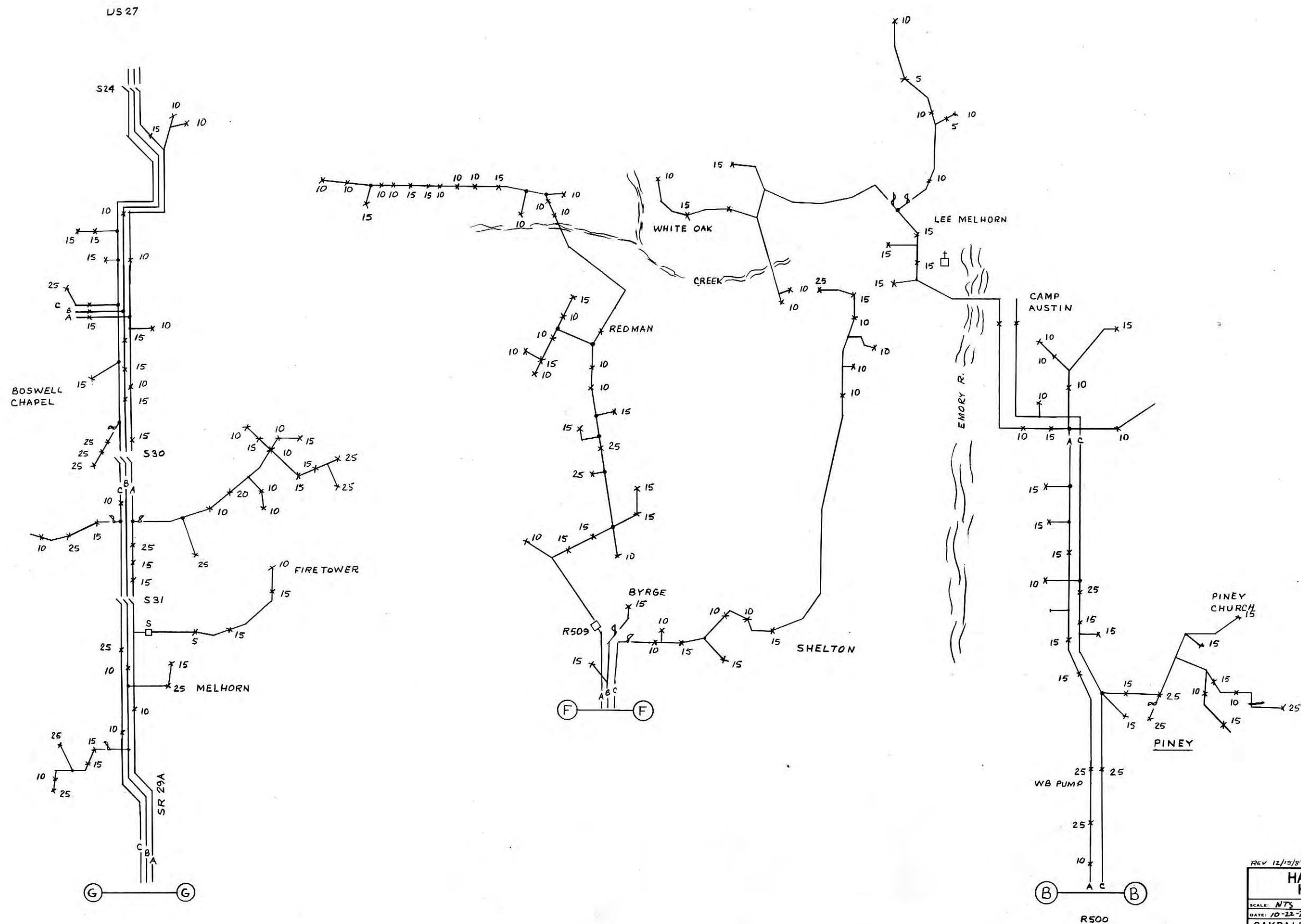


FISK HTS
P-37

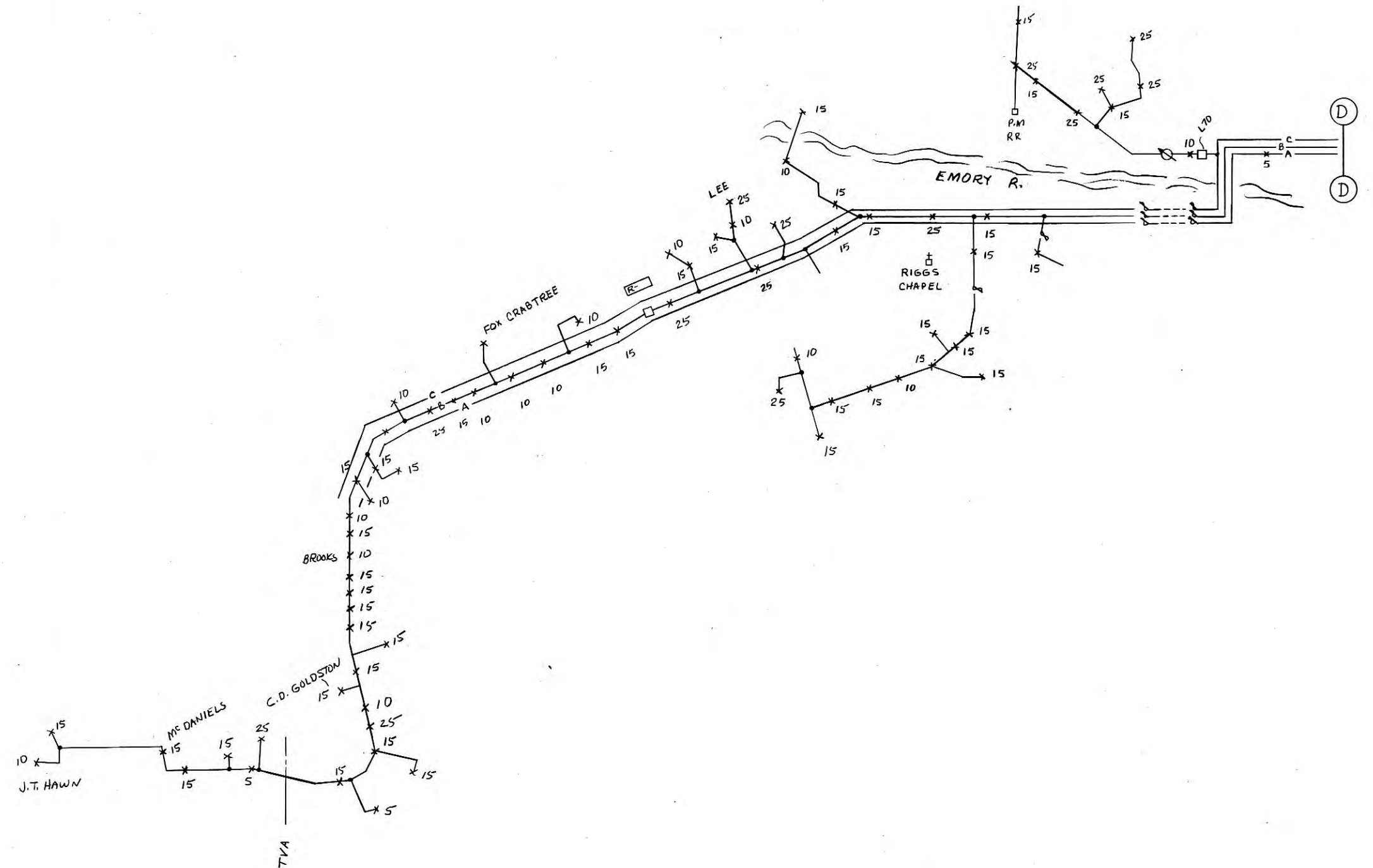
1



FISK HTS
P-37

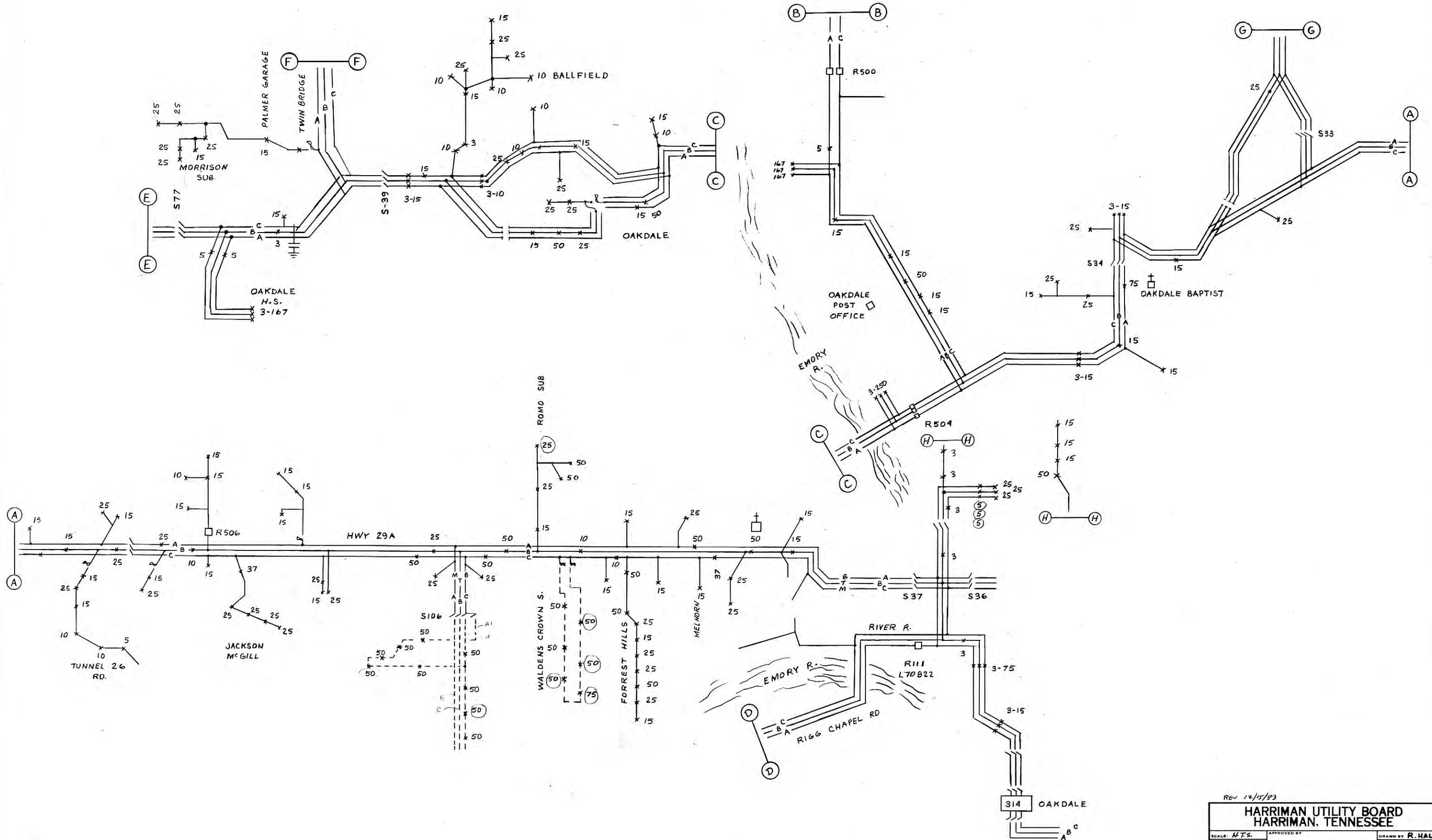


REV 12/15/97		
HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE		
SCALE: NTS	APPROVED BY:	DRAWN BY: R. Hall
DATE: 10-22-79		
OAKDALE THREE LINE DIAGRAM OCB 314		
DRAWING NUMBER		P-26



REV 12/15/83

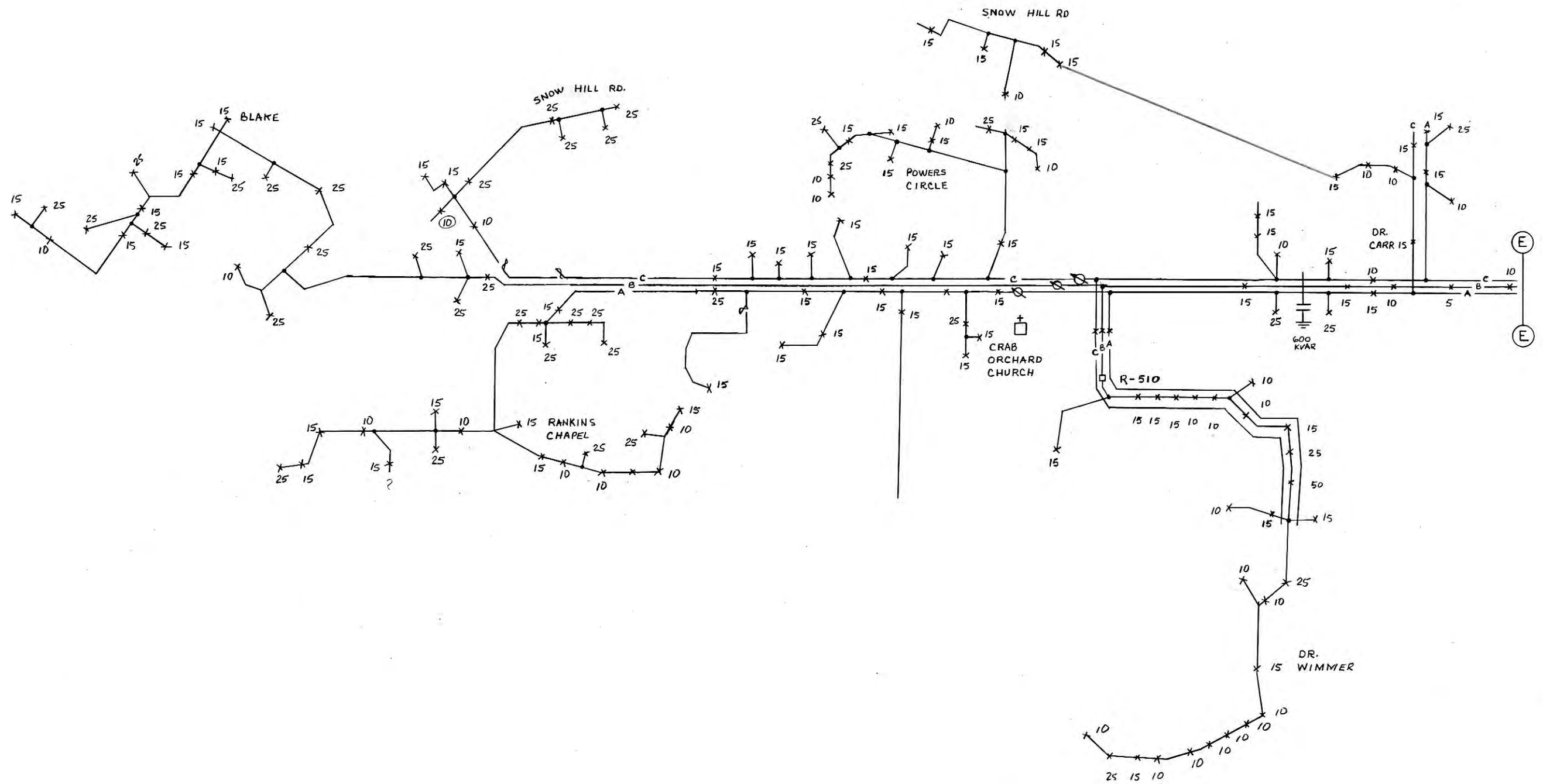
HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE		
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: R. HALL
DATE: 10-22-79		
OAKDALE THREE LINE DIAGRAM OCB 314		
		DRAWING NUMBER P-26



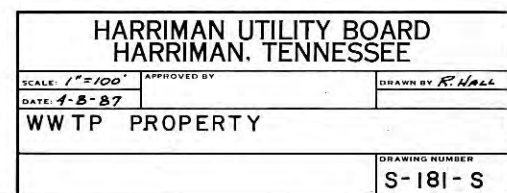
REV 12/15/83

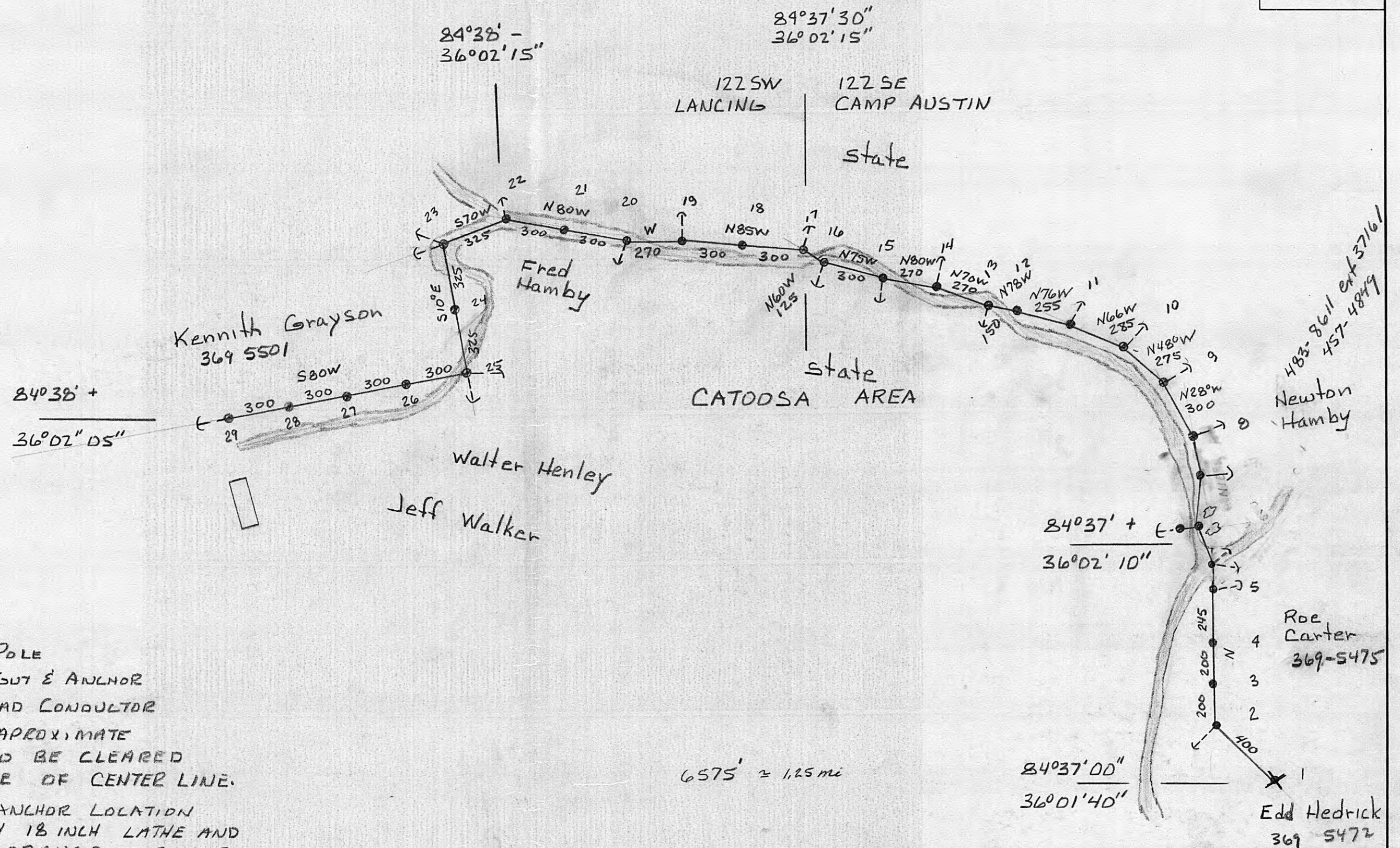
HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

SCALE: N.T.S.	APPROVED BY	DRAWN BY R. HALL
DATE: 10-22-79		
OAKDALE THREE LINE DIAGRAM		
OCB 314		
DRAWING NUMBER		
P-26		



REV 12/15/83	
HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE	
SCALE: N.T.S.	APPROVED BY: <i>R. Hall</i>
DATE: 10-22-79	DRAWN BY: <i>R. Hall</i>
OAKDALE THREE LINE DIAGRAM OCB 314	
DRAWING NUMBER P-26	





HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

SCALE: 1" = 500'

APPROVED BY

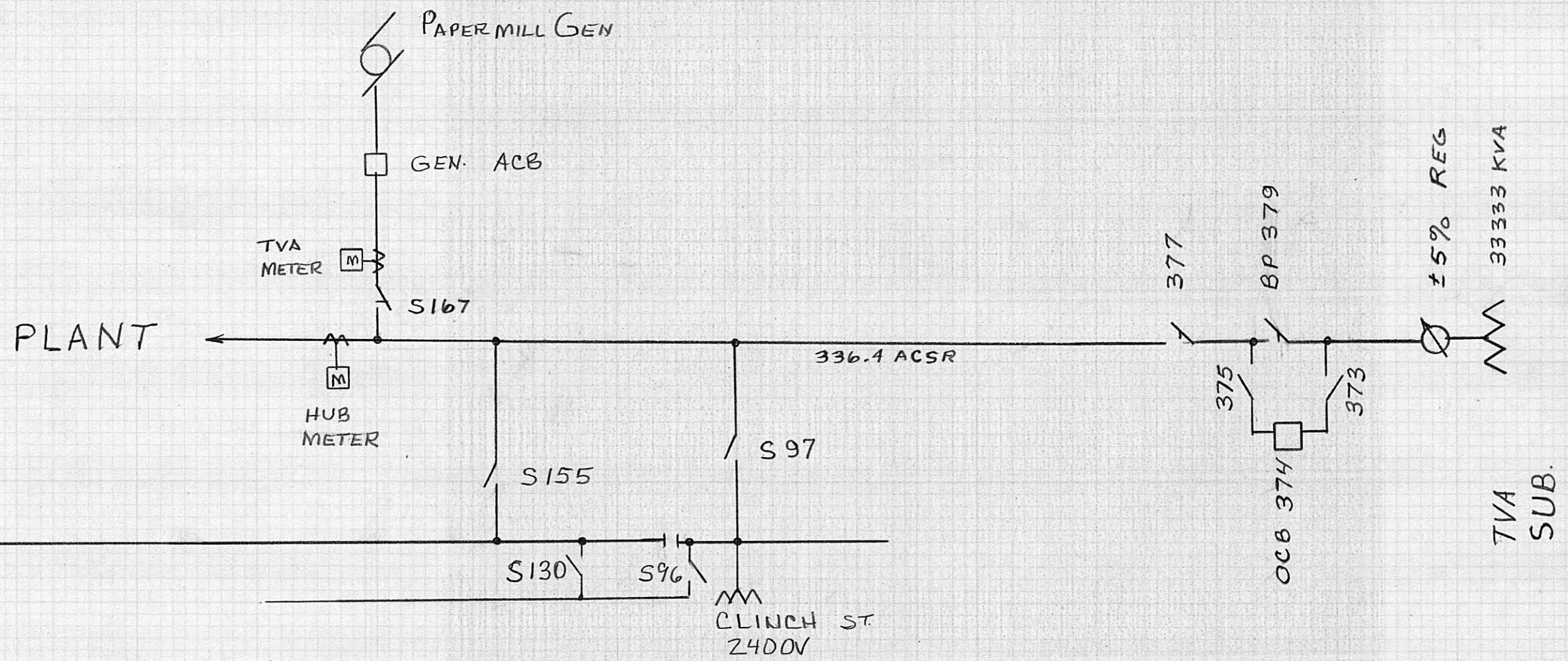
DRAWN BY RAH

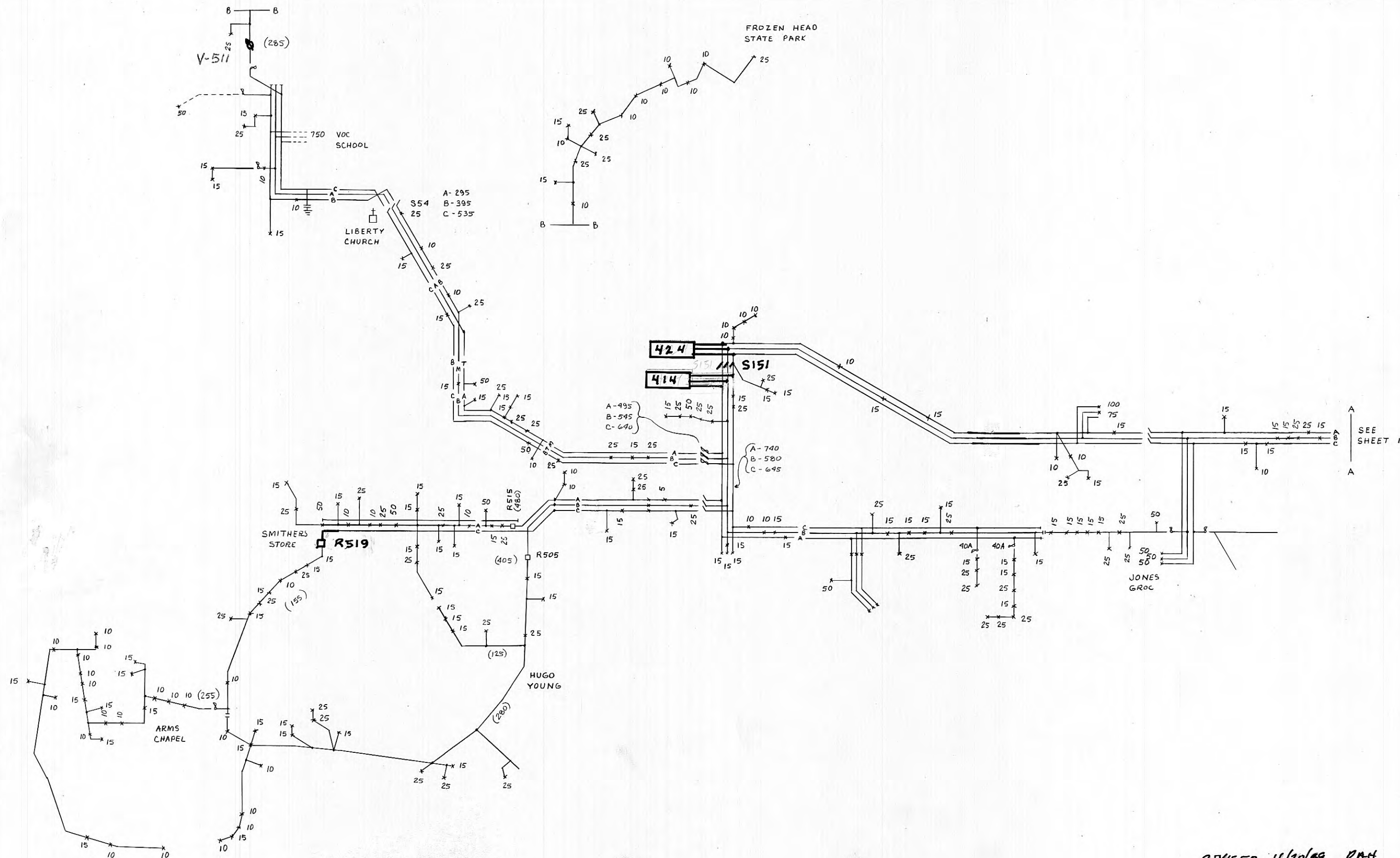
DATE: 2-12-74

KENNETH GRAYSON LINE EXTENSION
EASEMENT REQUIREMENTS

DRAWING NUMBER

E 32-B



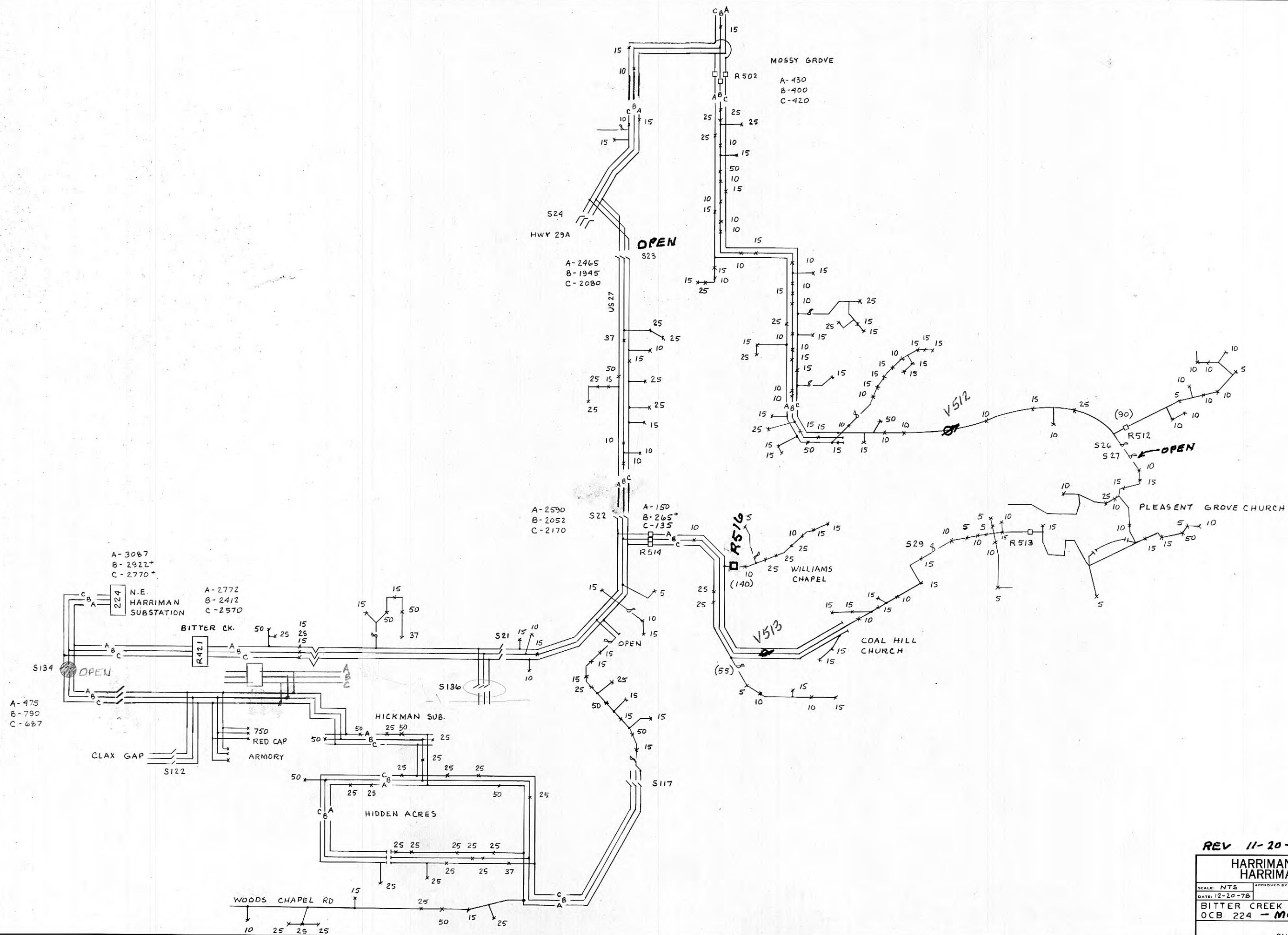


REVISED 11/20/89 RAH

HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

SCALE: NTS
DATE: 12-27-78
MOSSY
OCB 41-
THREE 11" DIAGRAM
OCB

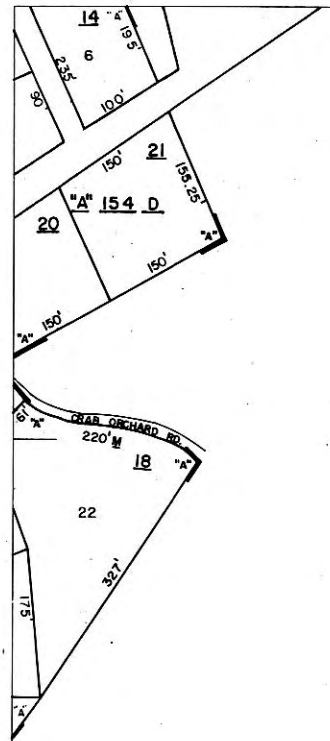
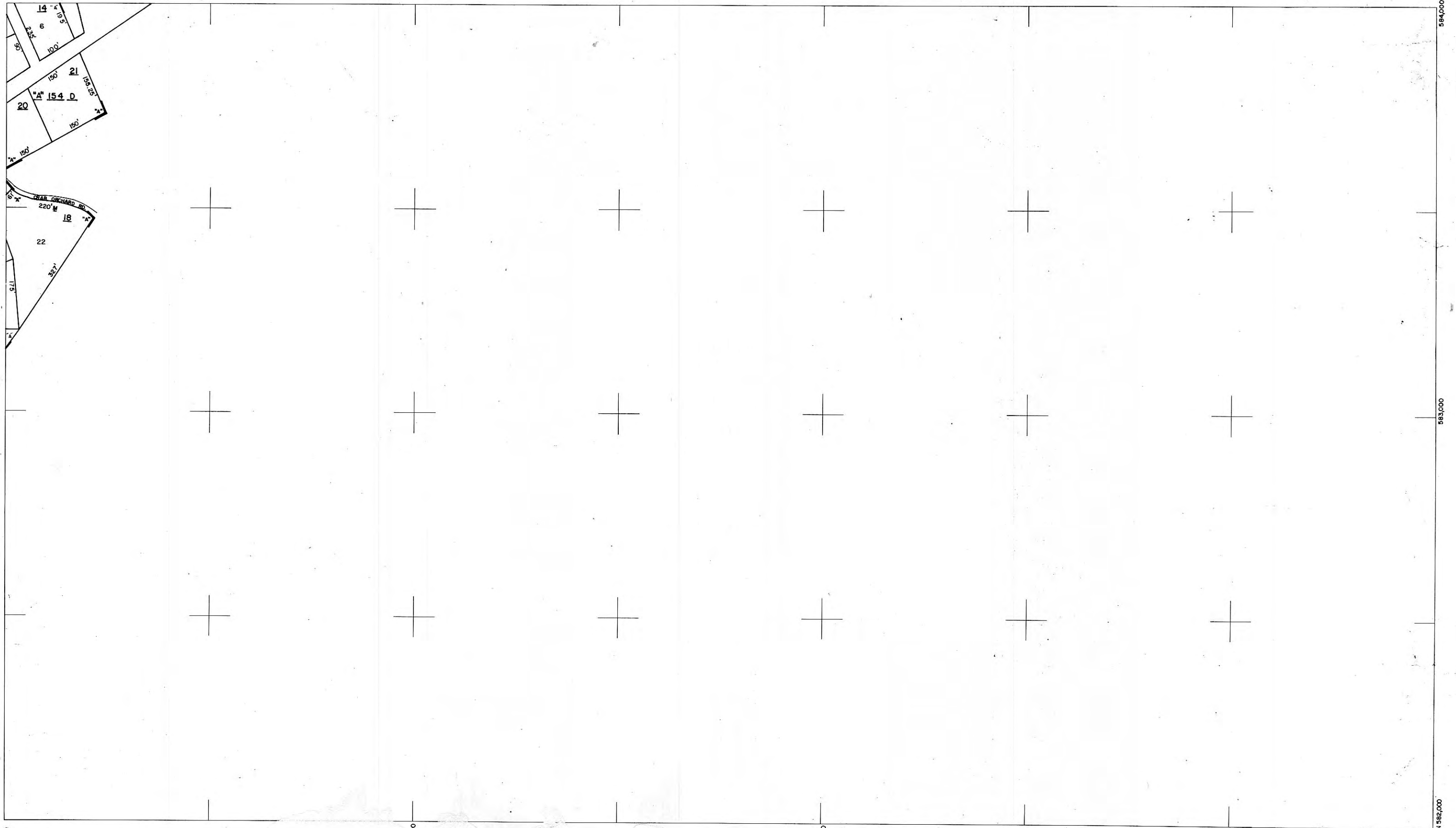
DRAWING NUMBER
P 25



REV 11-20-89 RAH

HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

SCALE: NTS	APPROVED BY:	DRAWN BY: R. HALL
DATE: 12-20-78		
BITTER CREEK THREE LINE DIAGRAM		
OCB 224 - MOSSY GROVE		
SHEET 1 OF 2		DRAWING NUMBER P-25



E 2,420,000

STATE OF TENNESSEE
COMPTROLLER OF THE TREASURY
DIVISION OF PROPERTY ASSESSMENTS

2,421,000

2,422,000

2,423,000

2,423,500

147-M 148-P
154-D

REVISIONS

NO.	DATE	DESCRIPTION
1	1-1-77	
2	6-75	
3		
4		
5		

MORGAN CO TENN. MAP NO. 155-A

SCALE: 1"=100'

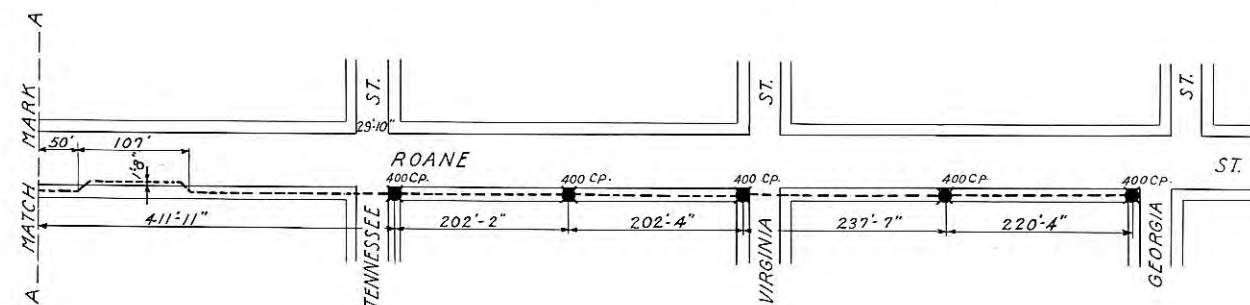
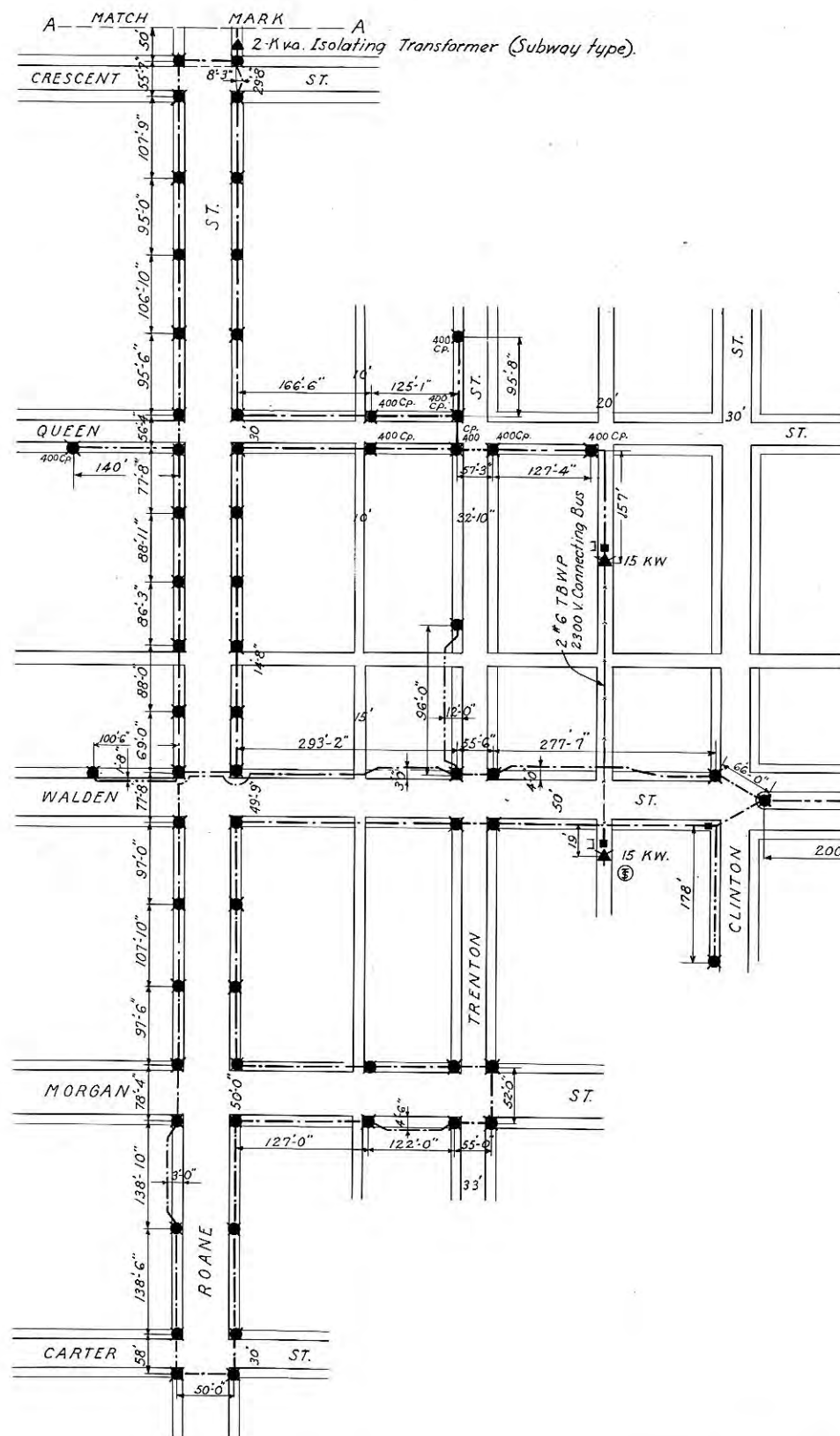
DATE OF REVISION:

DATE COMPLETED:

E 2,423,500

N 582,000

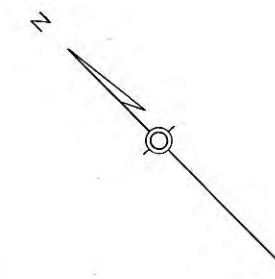
N 584,000



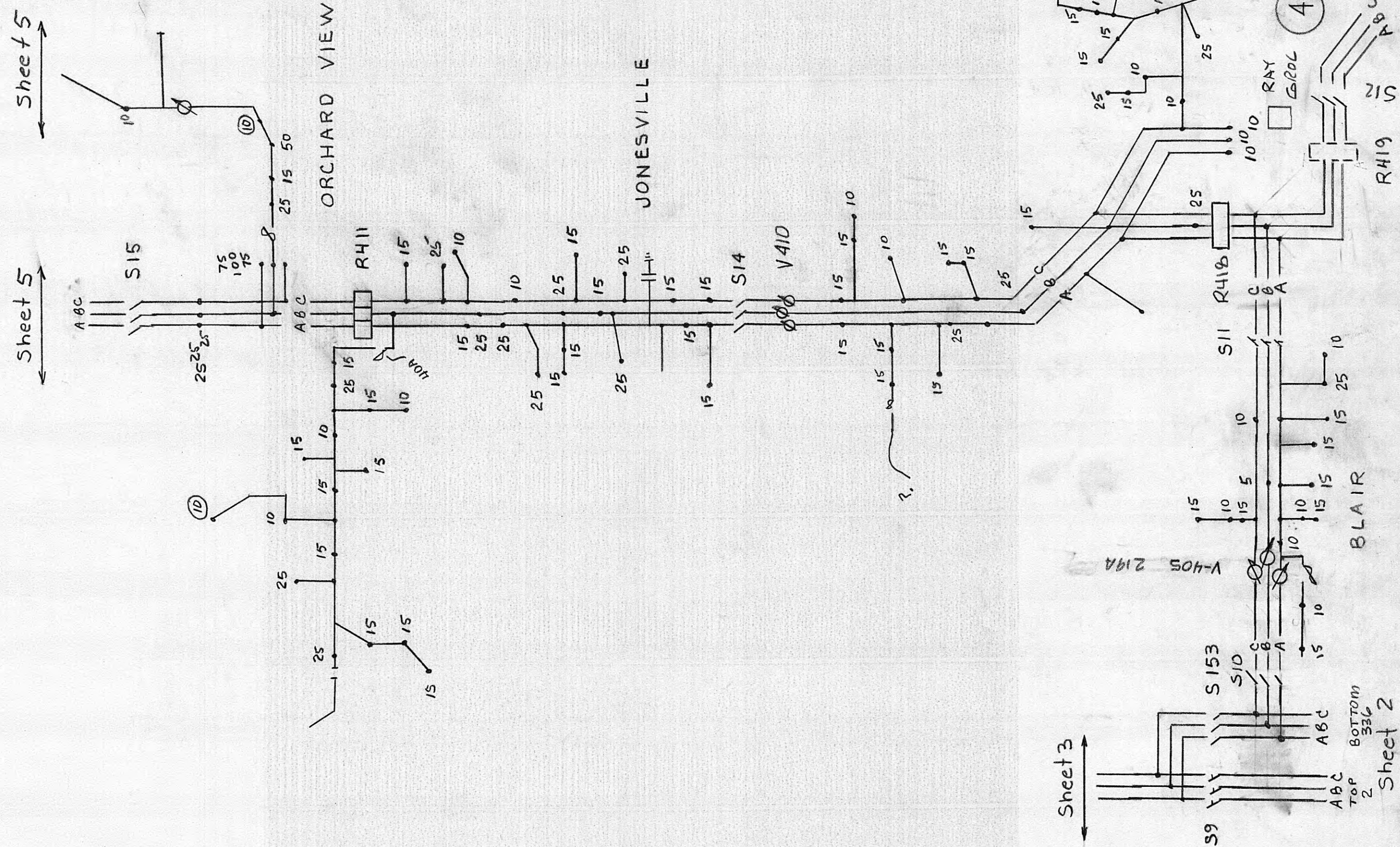
Note: Fibre Conduit installed in concrete from Crescent St. to north side of Tennessee St. and also crossing Virginia St.

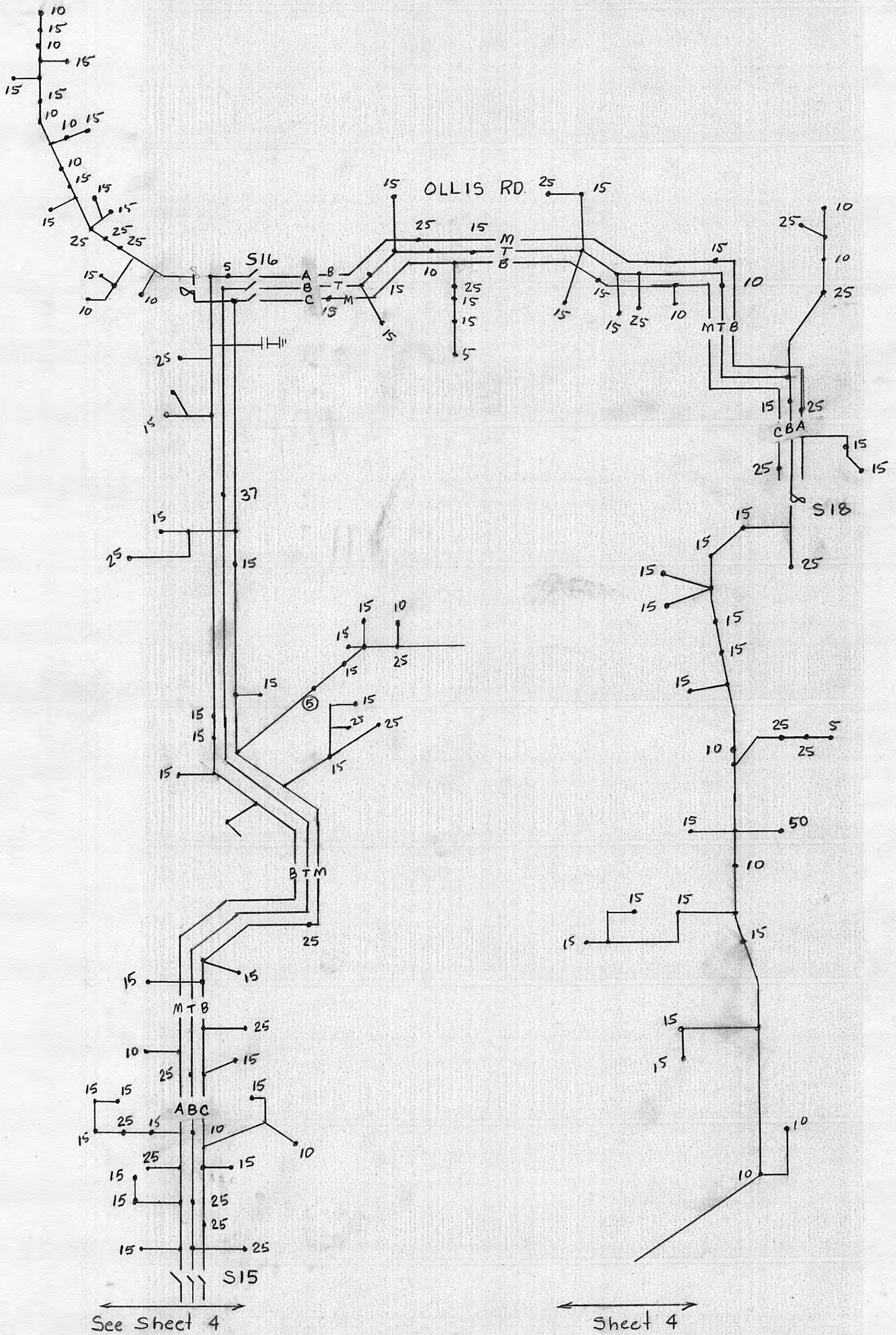
2-1C-#8, 3000 Volt Trenchlay cable installed from Crescent St. to Georgia St.

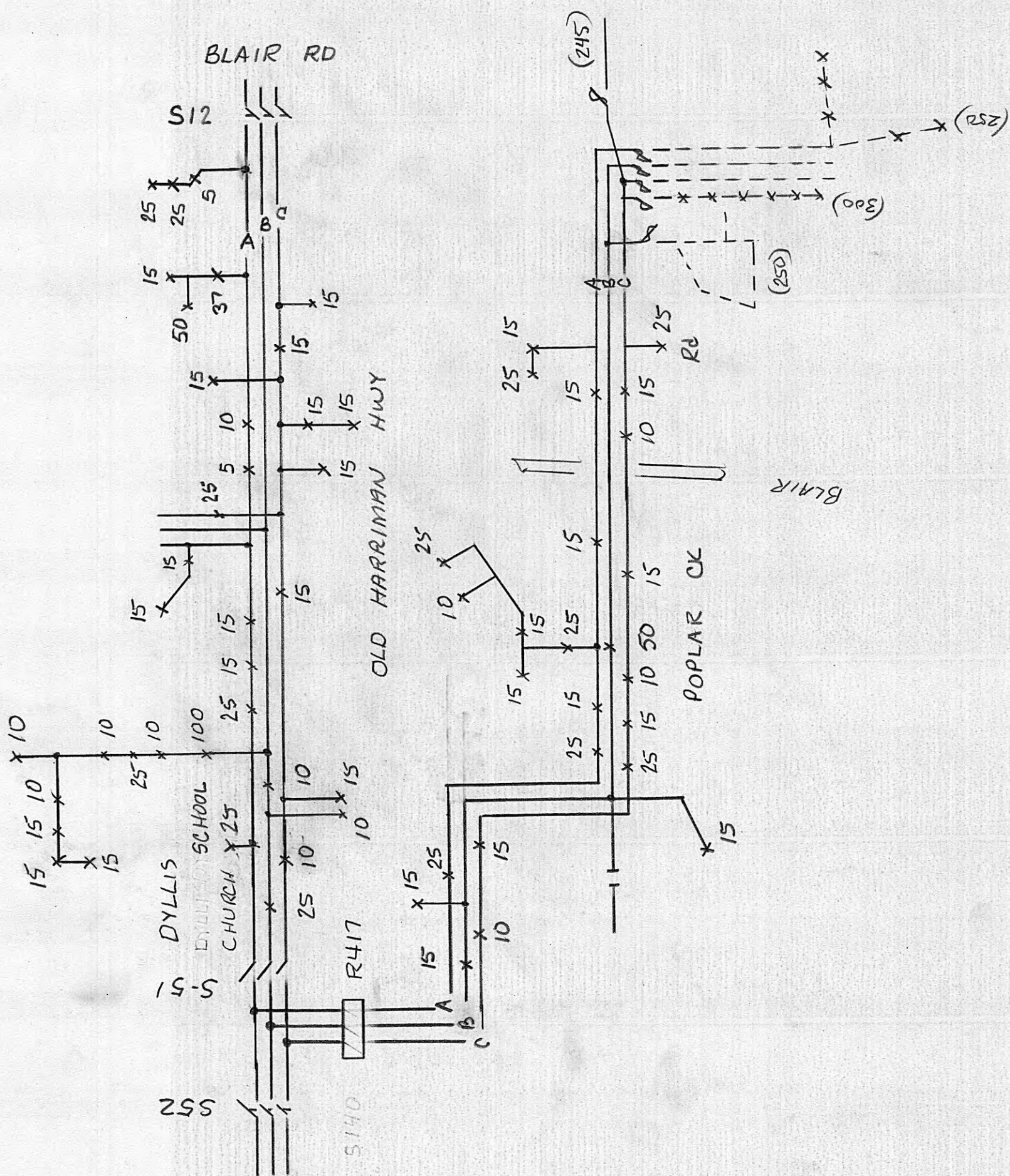
- Sheridan Whiteway Standard with Type U fitter. (All Standards are 13' and equipped with Paragon Jr. lighting luminaires. Hand holes are installed at each post, except where Trenchlay cable is used.)
- ★ Constant current transformer station
- One single conductor #8 rubber covered, lead encased 5000 V. cable installed in 2" fibre duct.
- Two single conductor #8 rubber covered, lead encased, 5000 V. cables installed in 2" fibre duct.
- Additional hand holes.
- Ⓢ Sauter time switch Style 222-0-10 amp., 115 V. motor wound astronomic dial, 2-pole outdoor type.
- Ⓢ All lamps 600 candle power unless otherwise noted.
- Trenchlay cable; 2-1C-#8, 3000 Volt.
- 7500 volt G&W Pothead Cat. # 02534-B, complete with compound conduit coupling for 2 pipe and interglend to fit two separate lead cables, 3/4" outside dia., with 2 porcelain caps.



REVISION				
NO.	DESCRIPTION	DATE	BY	APPROVED
DISTRIBUTION RECORD MAP OF HARRIMAN SHOWING WHITEWAY SYSTEM				
THE TENNESSEE ELECTRIC POWER CO. CHATTANOOGA, TENNESSEE				
SCALE 1" = 100'		APPROVED <i>H. B. Barksdale</i>		
DRAWN <i>W. H. S.</i>		DATE <i>June 20, 1931.</i>		
CHECKED <i>W. H. S.</i>		DRAWING NUMBER		
DATE <i>May 12, 1931</i>		REISSUE		
EST. NO.		4-B-32		

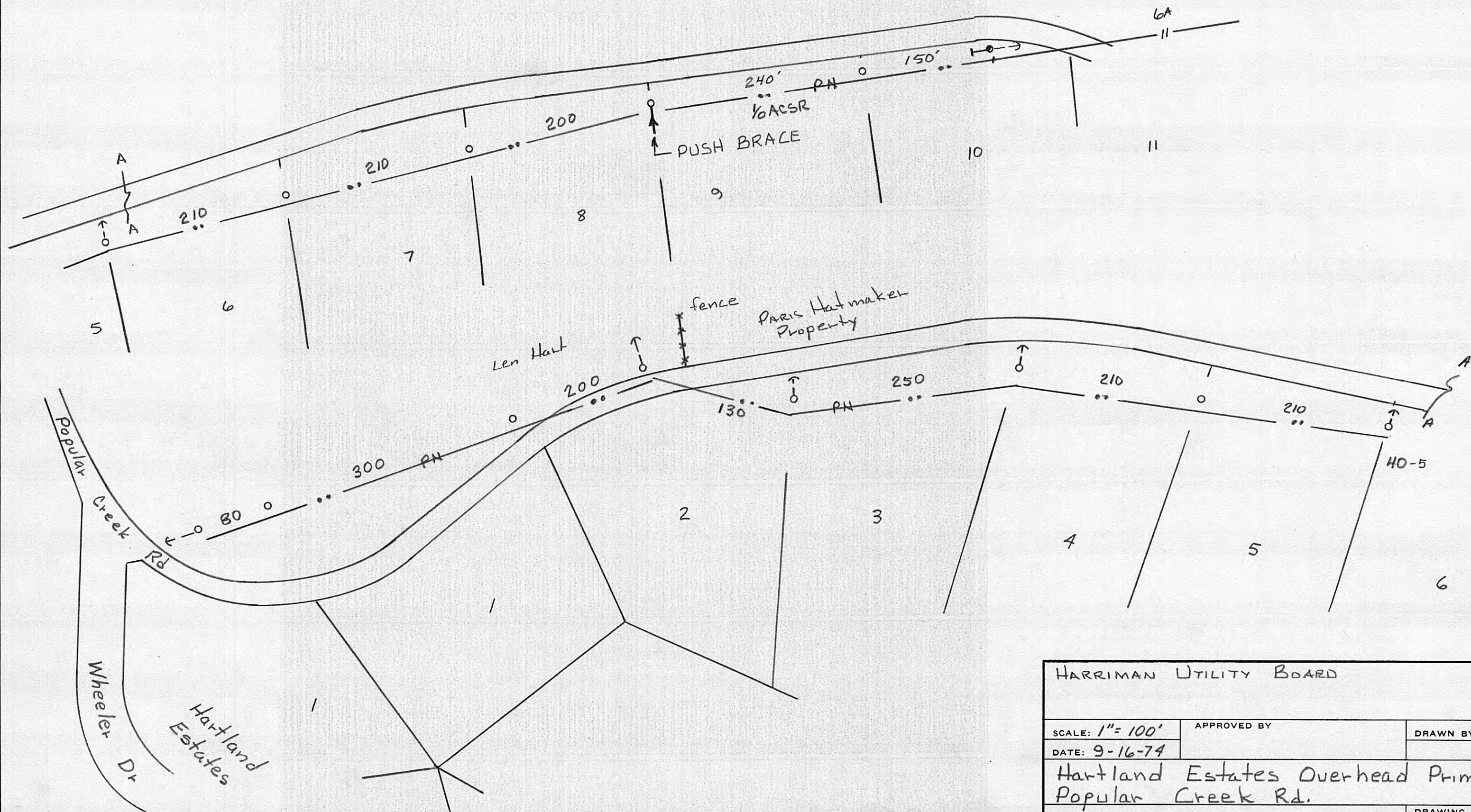




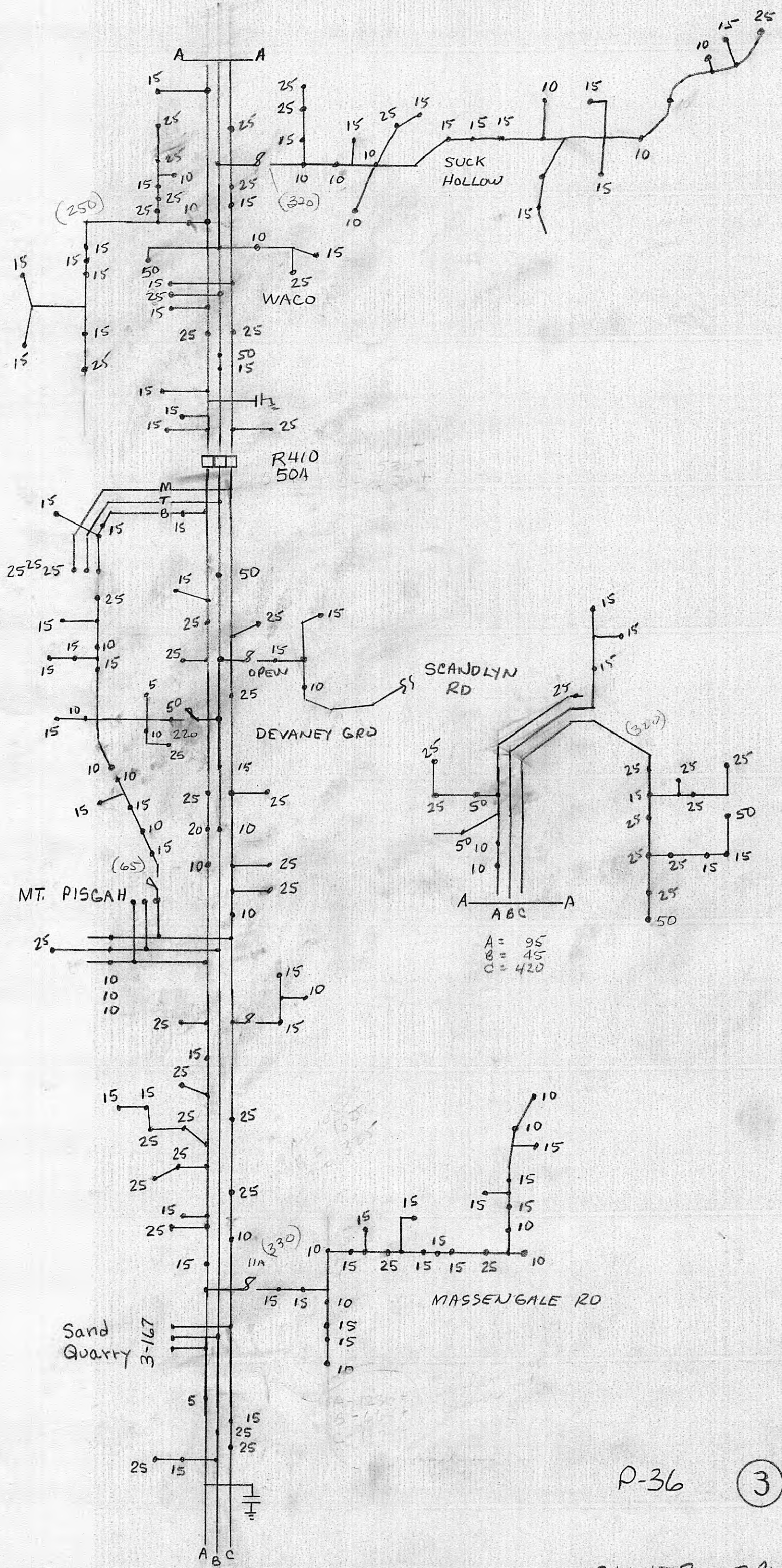


All Poles 40'-5
 All ANL 10" Screw
 All Guys 3/4"
 All Conductor 1/0 ACSR

□ Hensley



HARRIMAN UTILITY BOARD		
SCALE: 1" = 100'	APPROVED BY	DRAWN BY R. HALL
DATE: 9-16-74		
Hartland Estates Overhead Primary Popular Creek Rd.		
		DRAWING NUMBER P-33-B



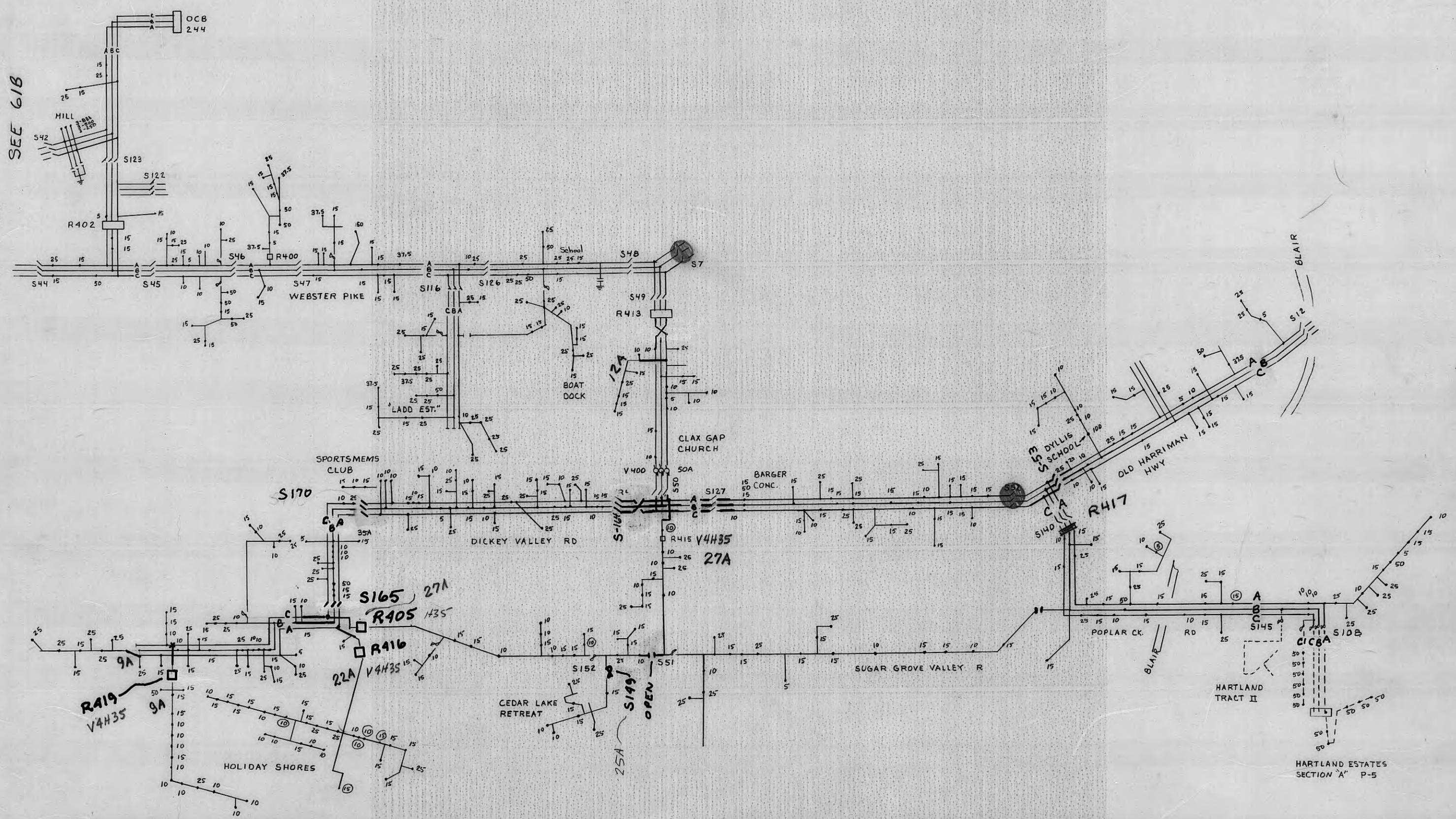
P-36

(3)

OLIVER SPRINGS

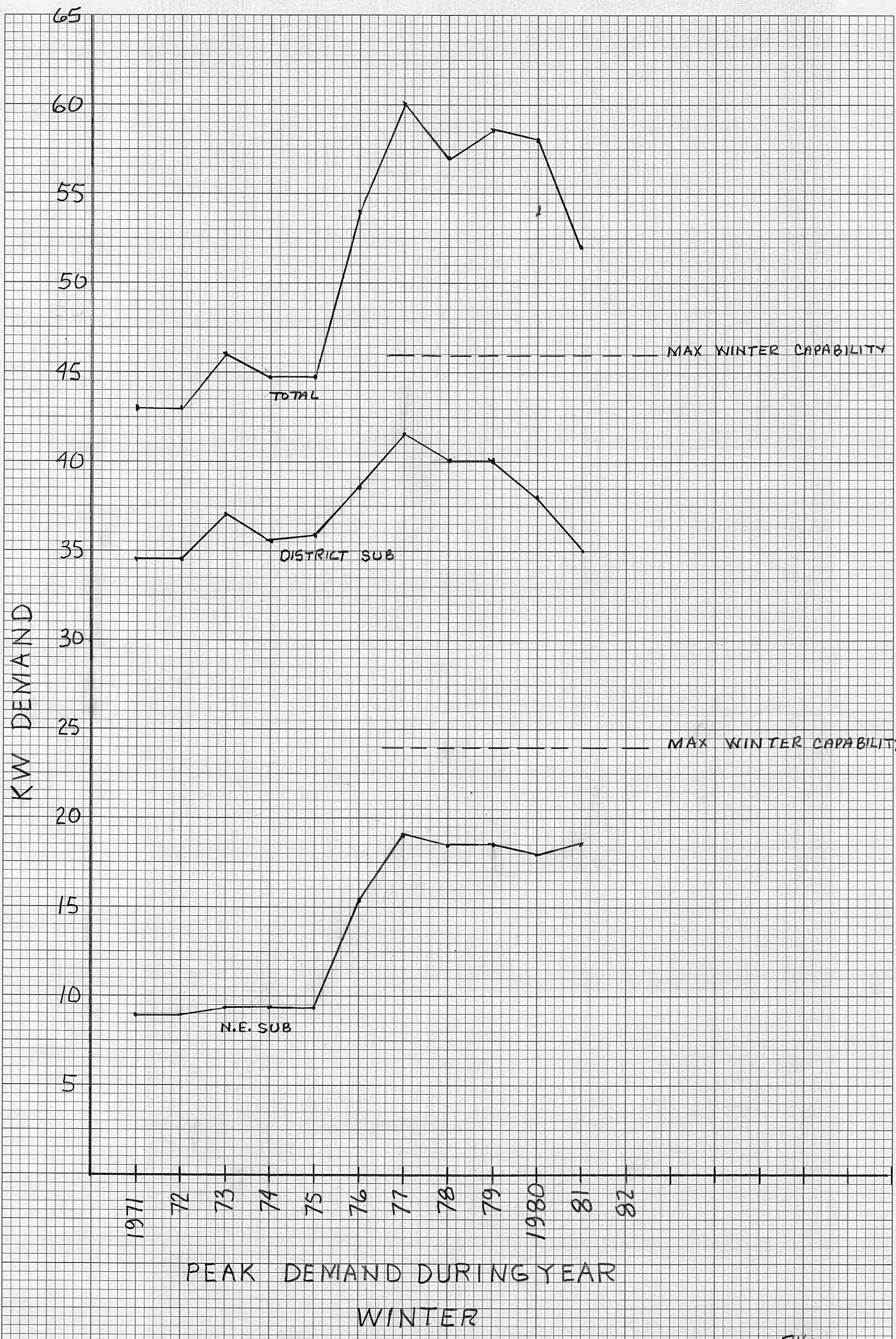
P-36-3

SEE P-37
SEE 618

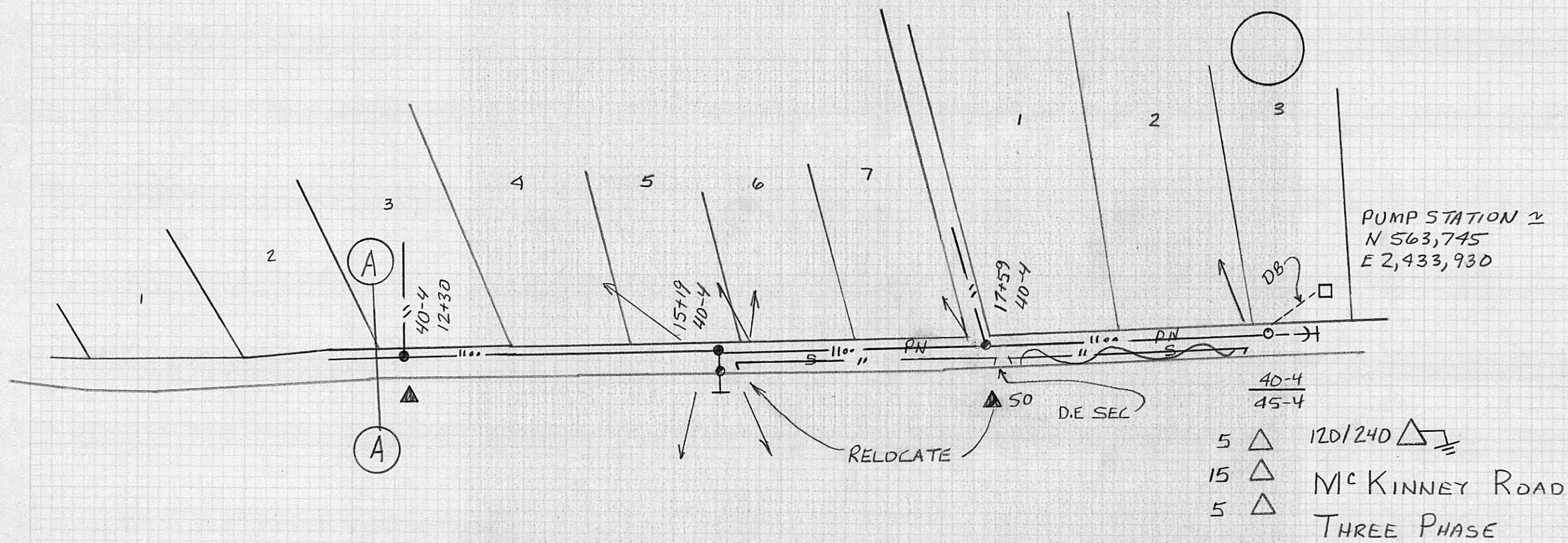


Rah Rev 12-18-87
RAH Rev 4-7-87
Rah Rev 12-27-85
RHALL REVISED 8-15-80

HARRIMAN UTILITY BOARD		
SCALE: NTS	APPROVED BY	DRAWN BY RHALL
DATE: 11-21-77		
THREE LINE DIAGRAM CLAX GAP FEEDER R 402		
		DRAWING NUMBER P-14



RHALL
2-19-82



7-8-81 RHALL-7

Pressure Variation 13 PSI

7.2 Page VII-S

Service min 3/4"

3/4" Copper 6 1/2 GPM

Loss 6.7 PSI per 100'

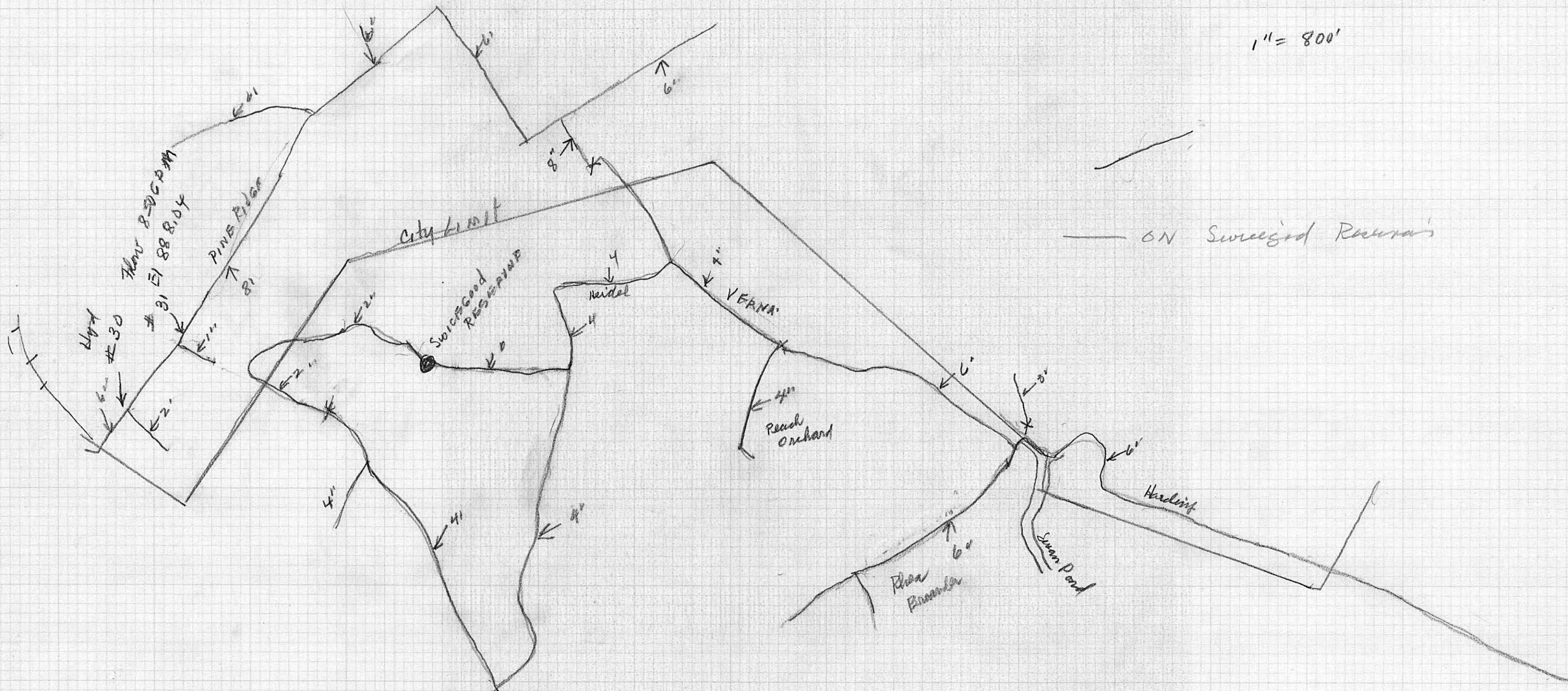
156 PM 300' - 1" C130 HL 57.5 or 2473 PSI

1066.77

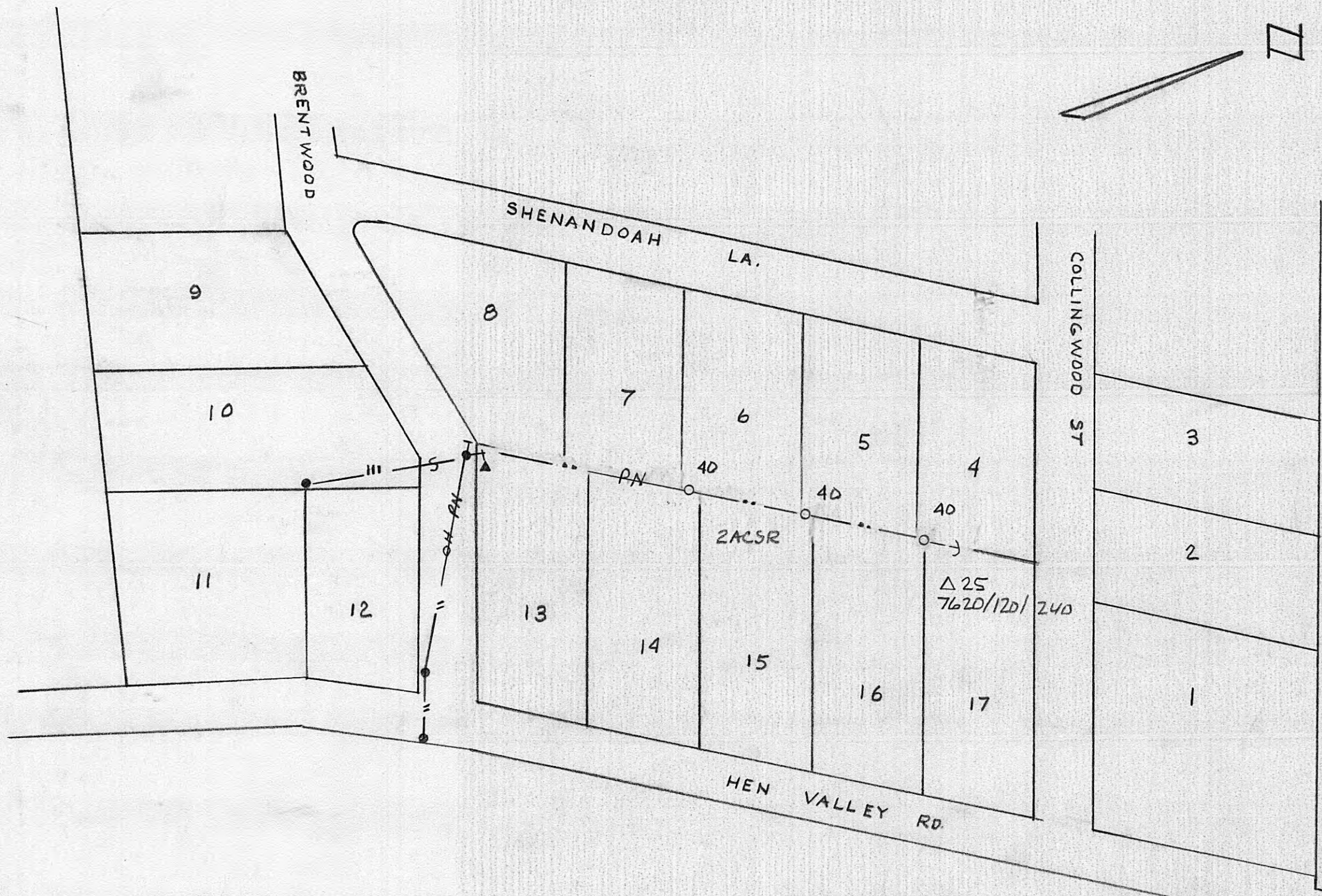
888.04

178.73 PSI

1" = 800'

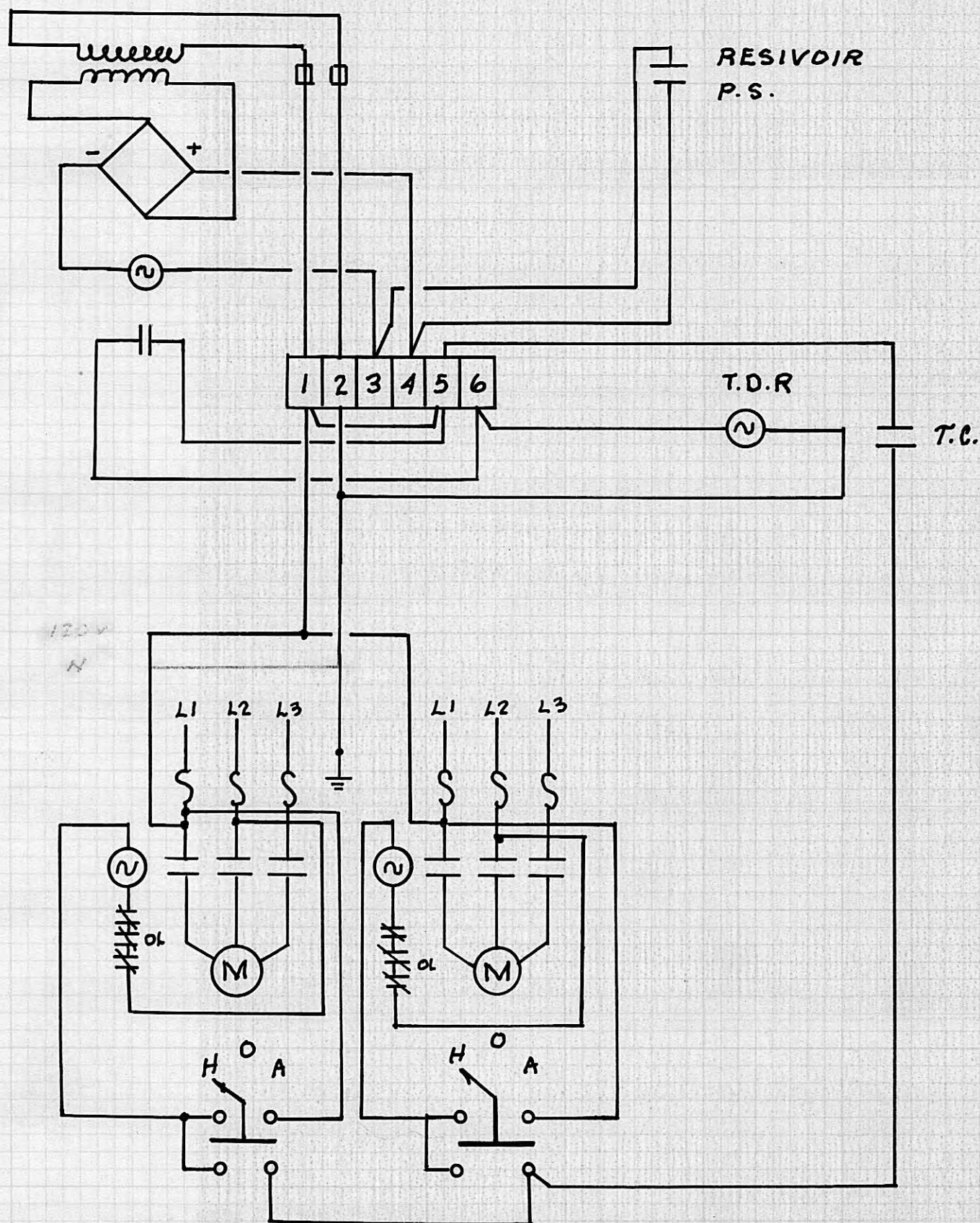


W 189B



HARRIMAN UTILITY BOARD	
MOUNTAIN TRAILS SUB-DIVISION	
HEN VALLEY ROAD ELECTRICAL PROPOSAL	
BROWN BUILDERS - OWNERS	
12-1-76	DWG No. P-75-B

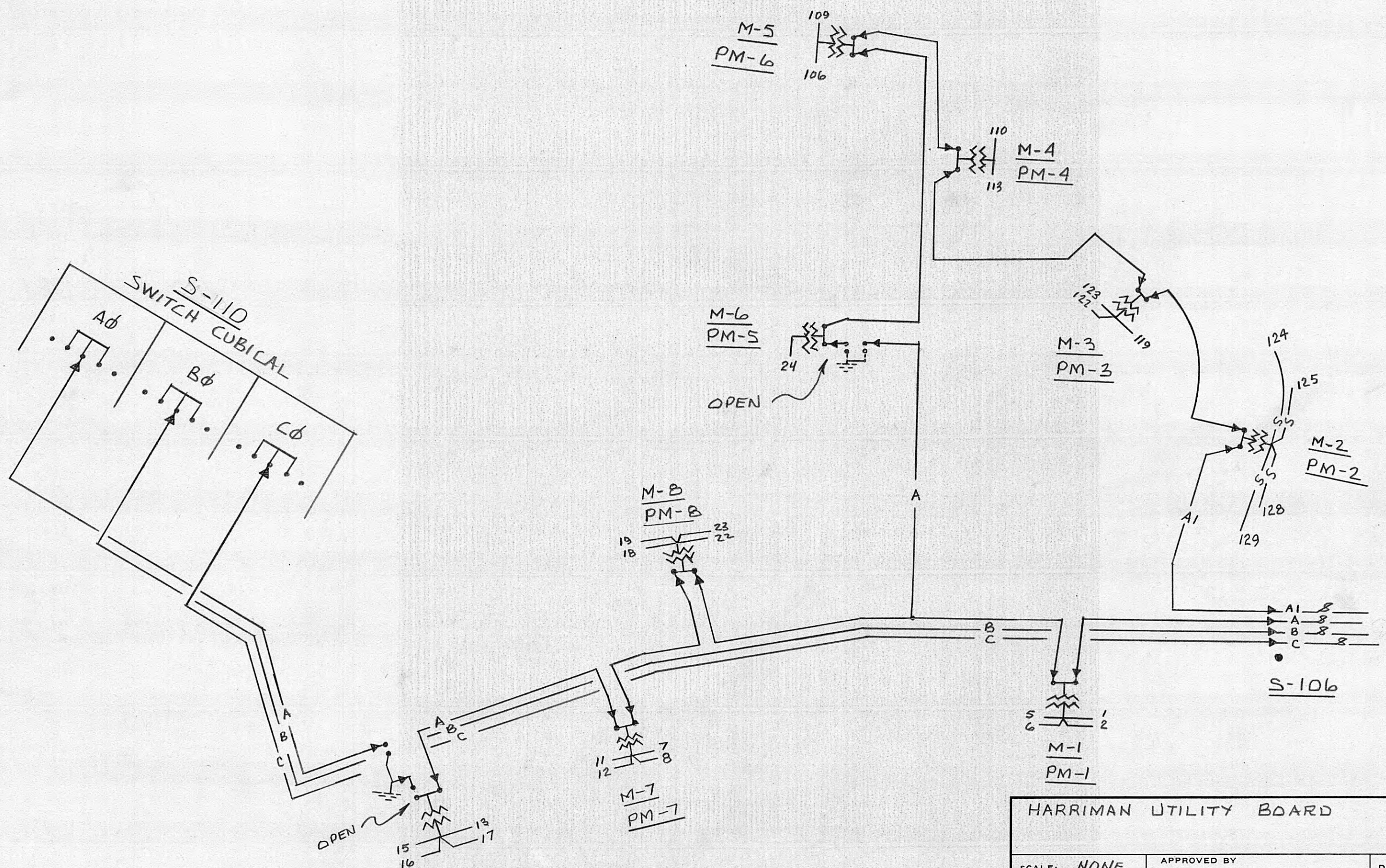
EMORY HTS. BOOSTER



5-14-85

R. HALL

34-B



HARRIMAN UTILITY BOARD		
SCALE: <u>NONE</u>	APPROVED BY	DRAWN BY <u>R. HALL</u>
DATE: <u>9-17-74</u>		
WALDEN'S CROWN ESTATES SCHEMATIC SWITCHING DIAGRAM		
		DRAWING NUMBER <u>E-34-B</u>

REF. DWG. NO. 28-D

BY DATE
CHKD. BY DATE

SUBJECT SEWANNEE

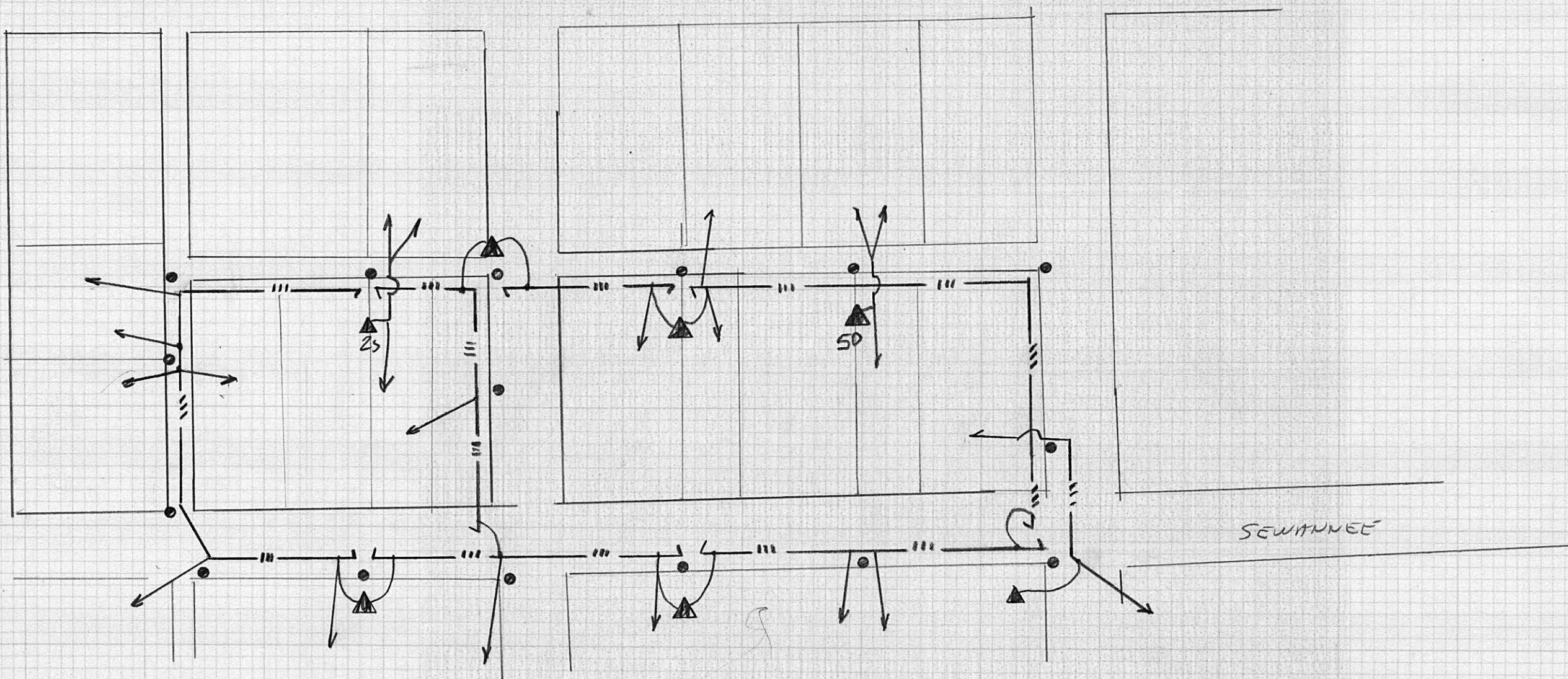
SHEET NO. OF
JOB NO.

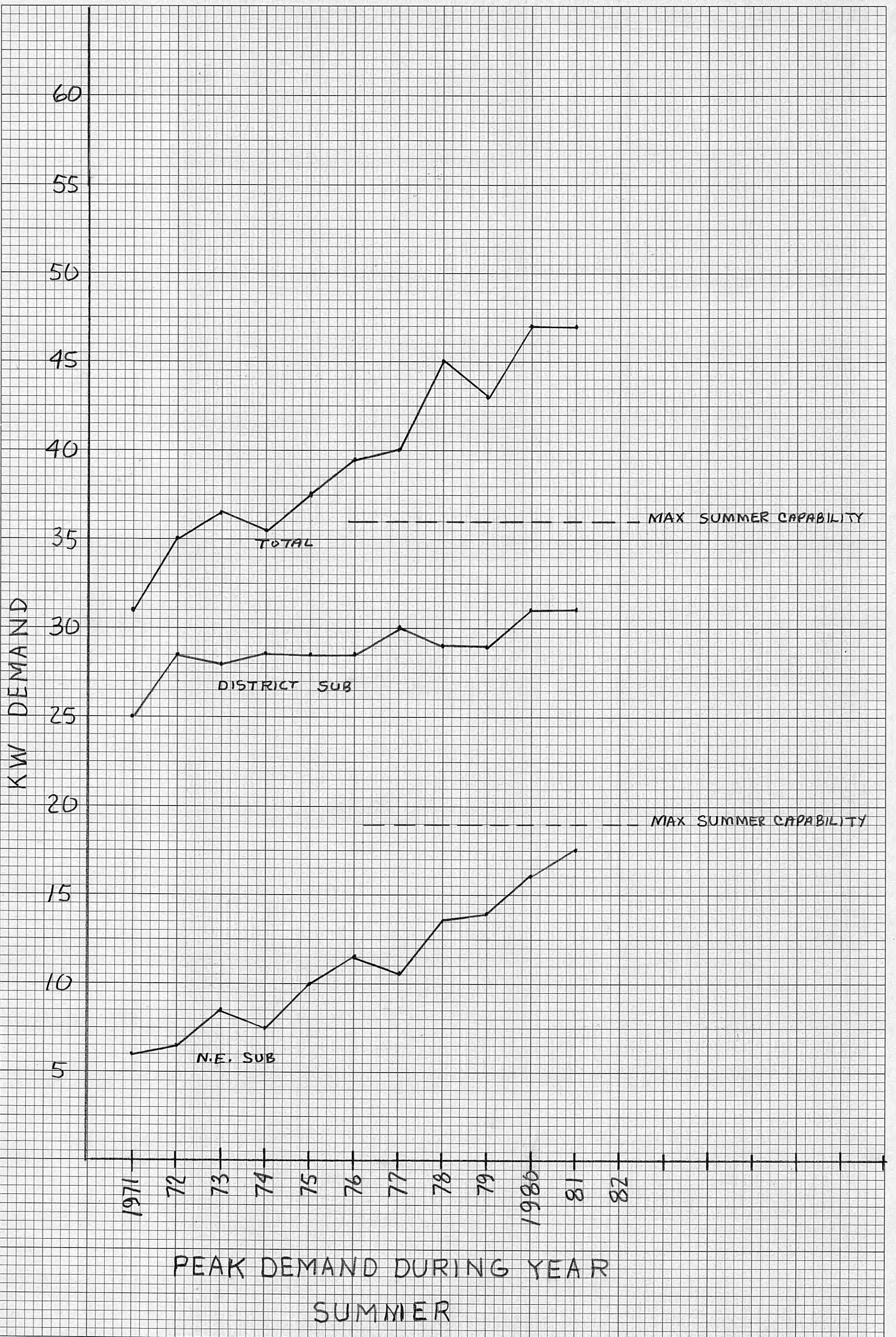
WALDEN

QUEEN

CRESTON

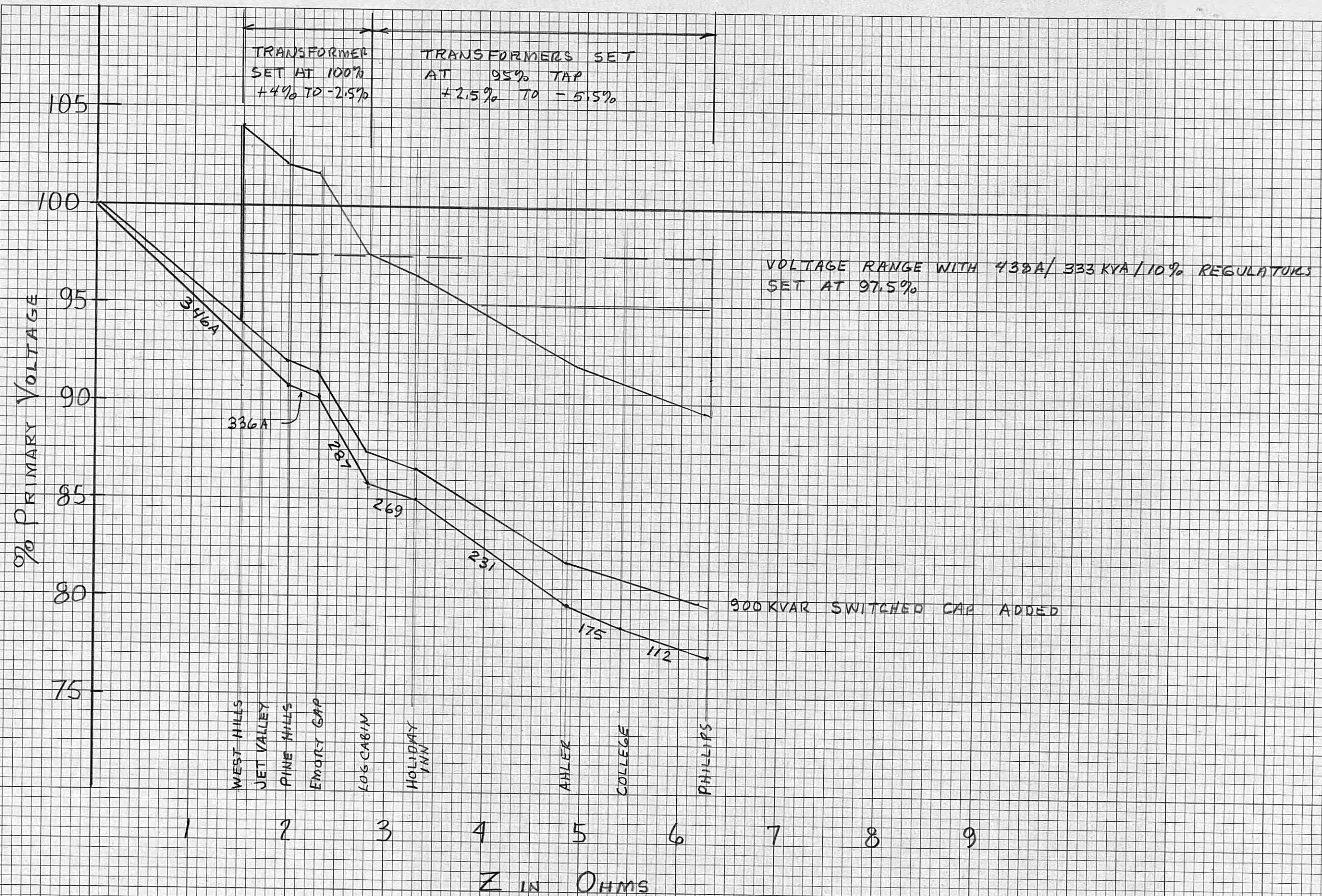
Cumberland





RHALL
2-19-82

2-18-82
RHALL

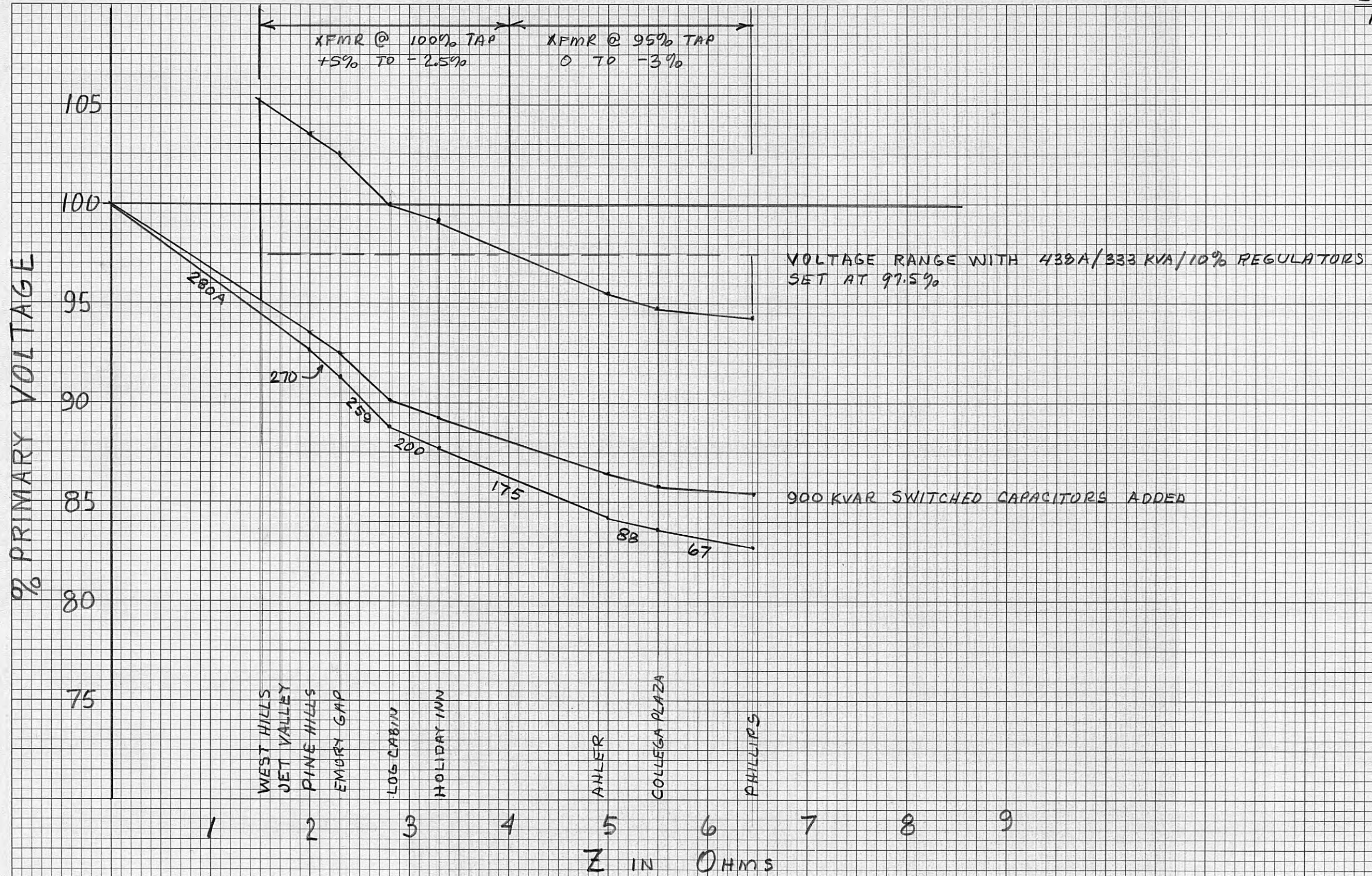


CARDIFF FEEDER VOLTAGE PROFILE

CASE 3

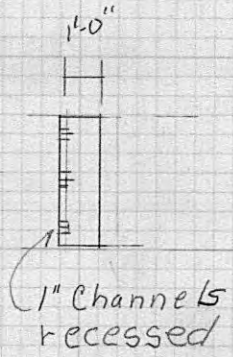
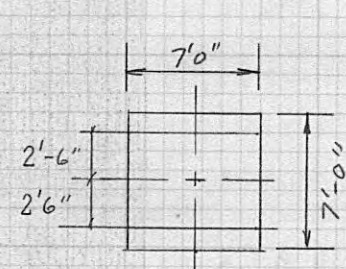
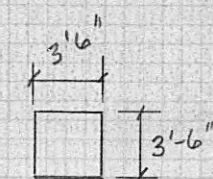
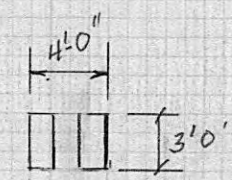
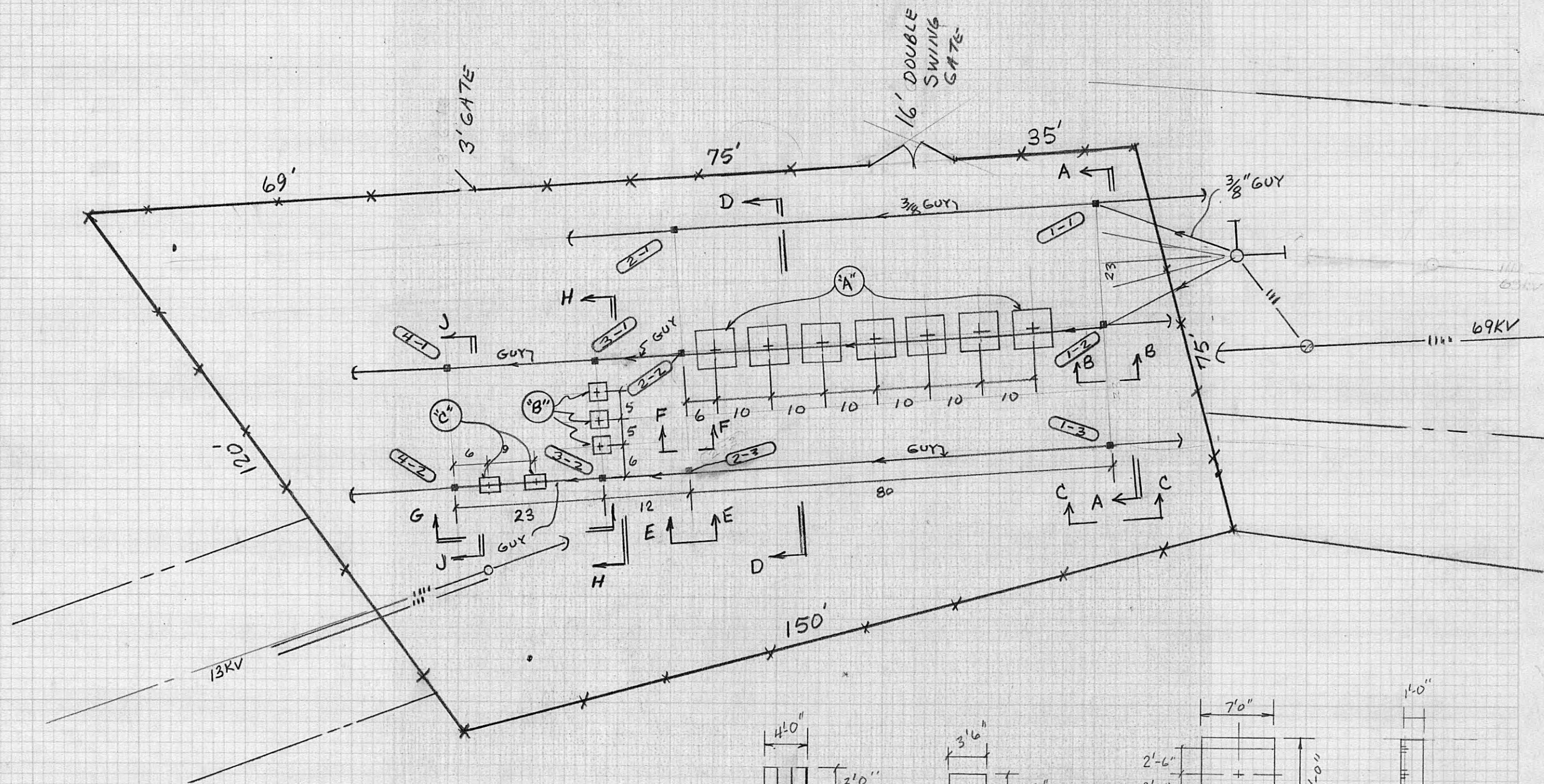
2-18-82

RHALL



CARDIFF FEEDER VOLTAGE PROFILE

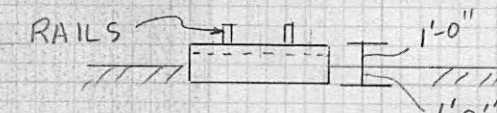
CASE 4



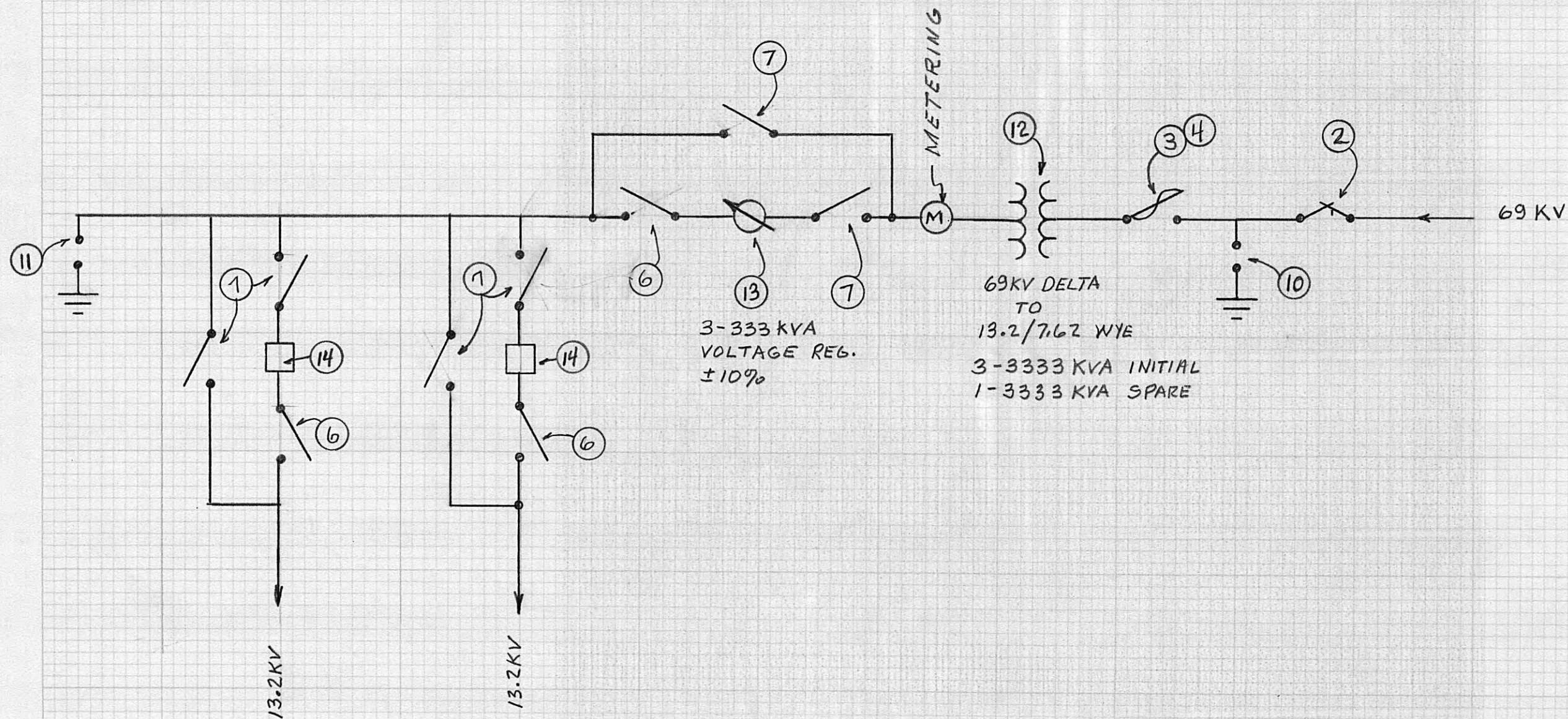
OCB PAD
"C"

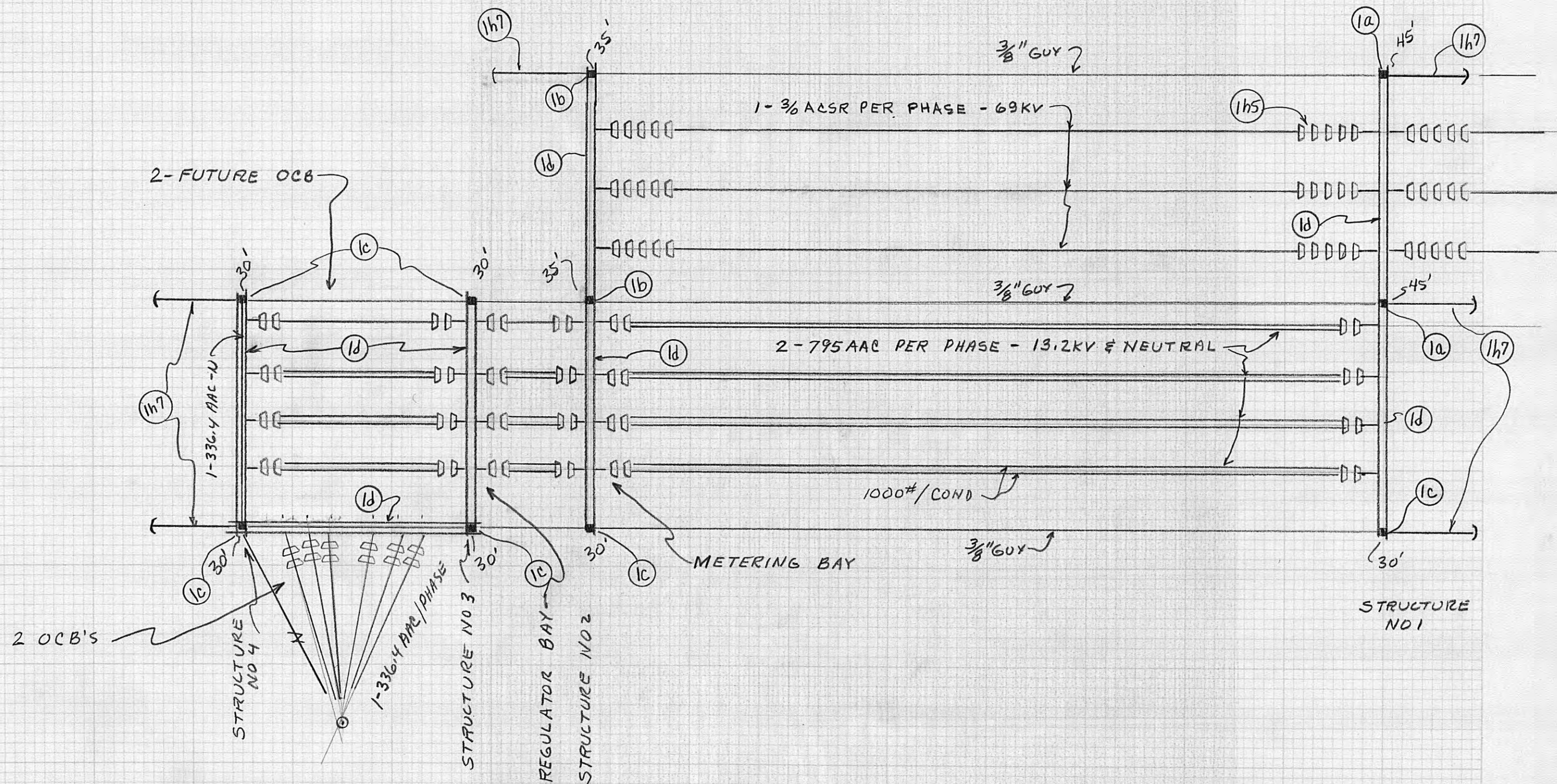
REGULATOR
PAD
"B"

TRANSFORMER PAD
"A"

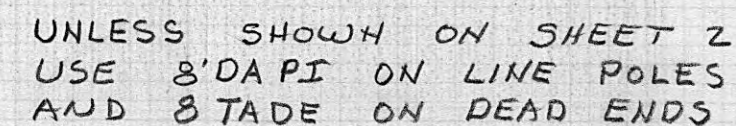


E-262-B

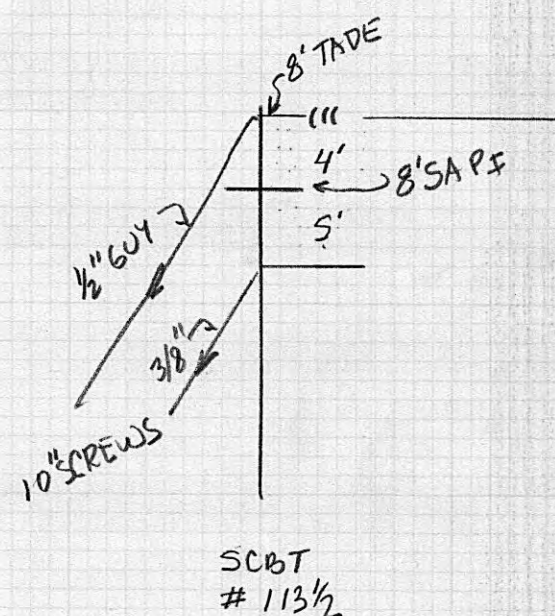
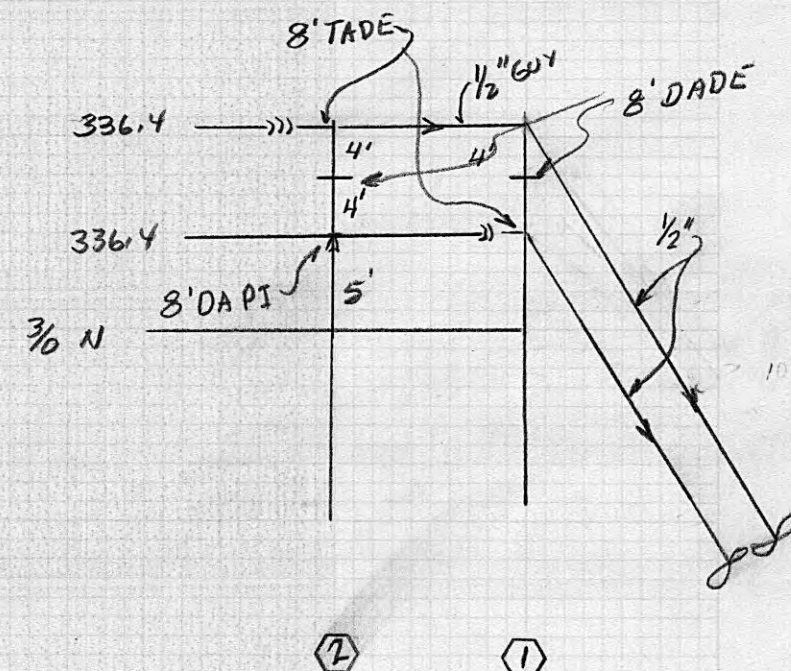
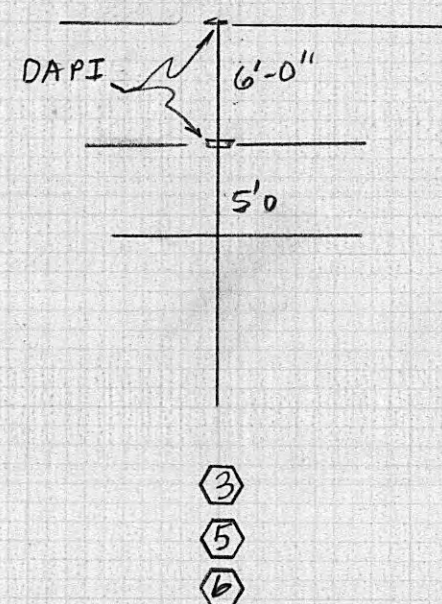
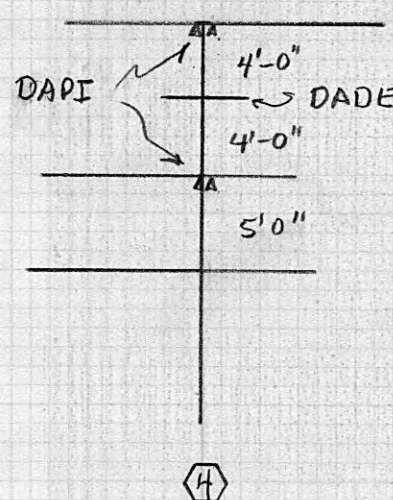
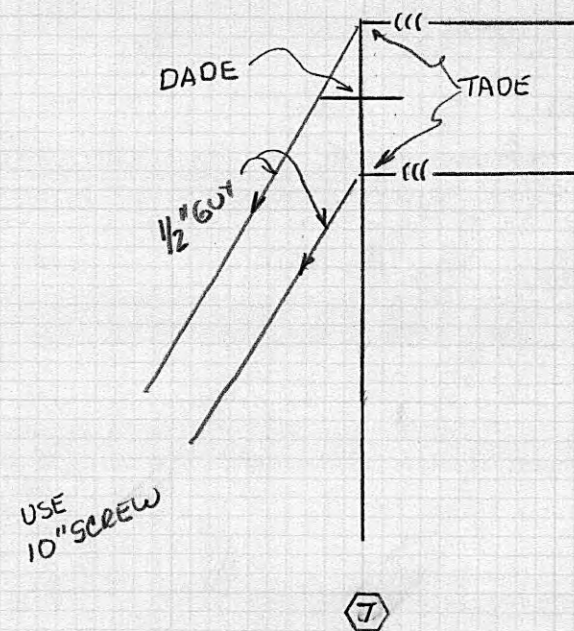




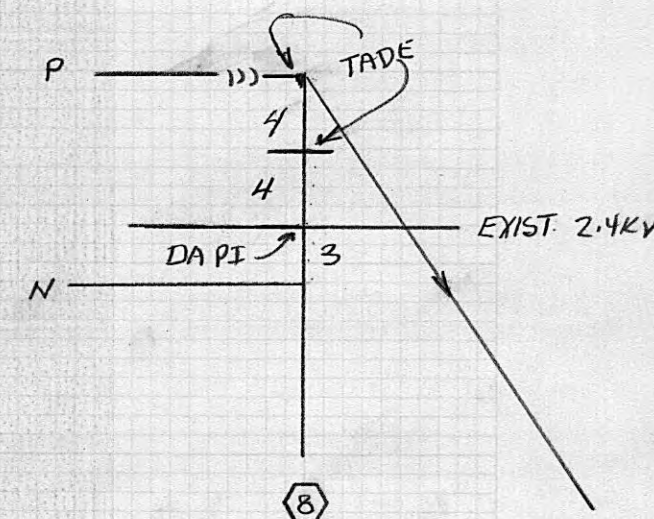
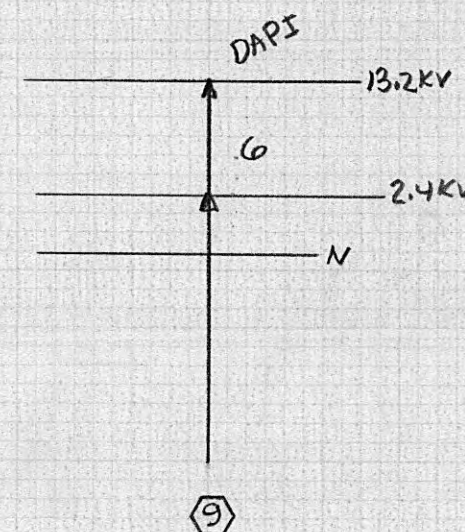
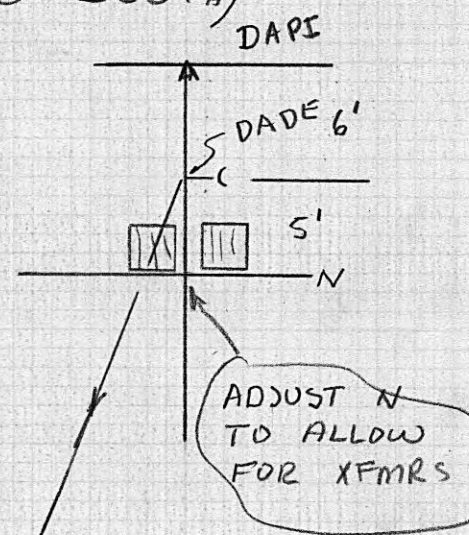
SHEET NO. 1 OF 2
JOB NO. 442

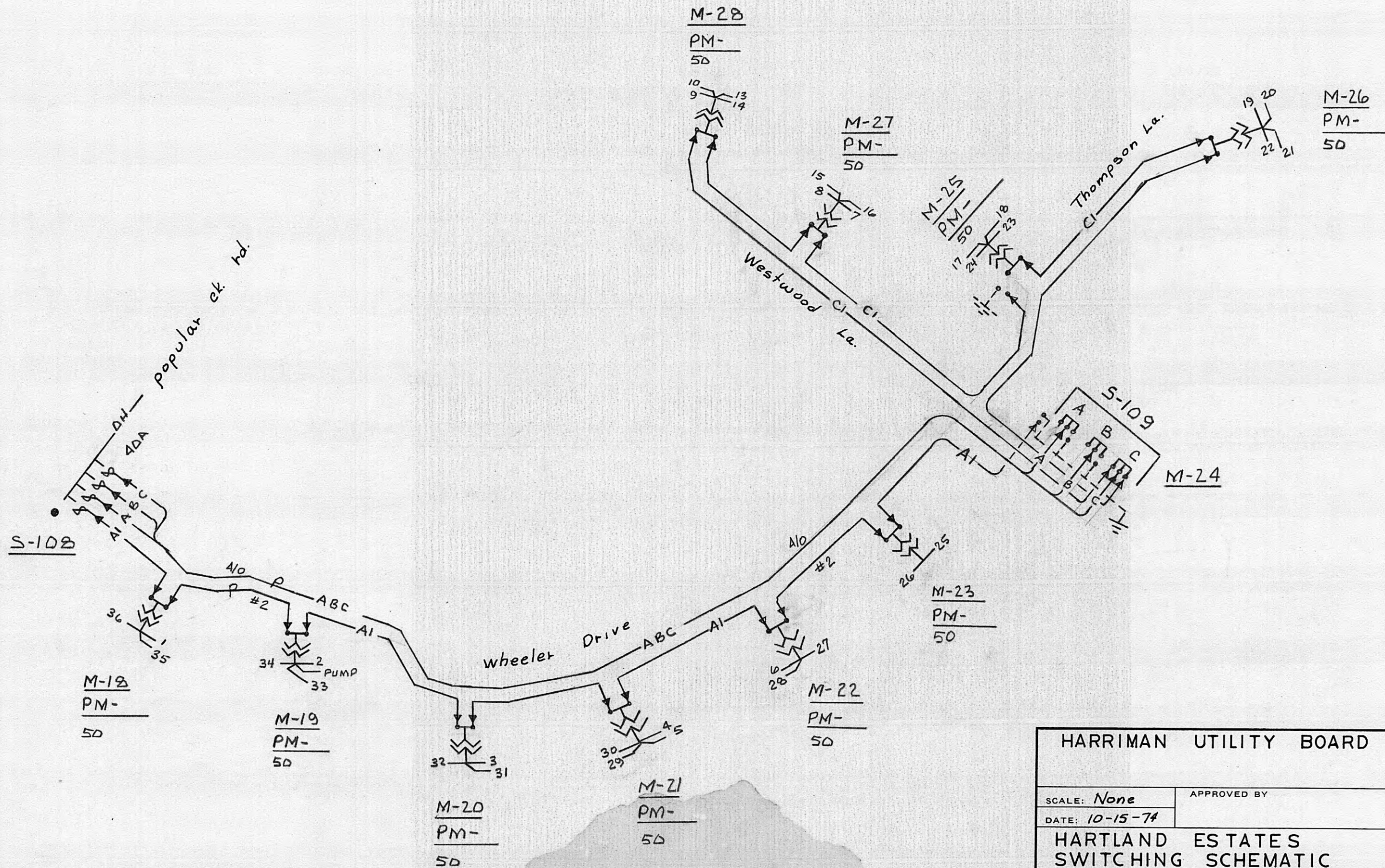


E-262-B

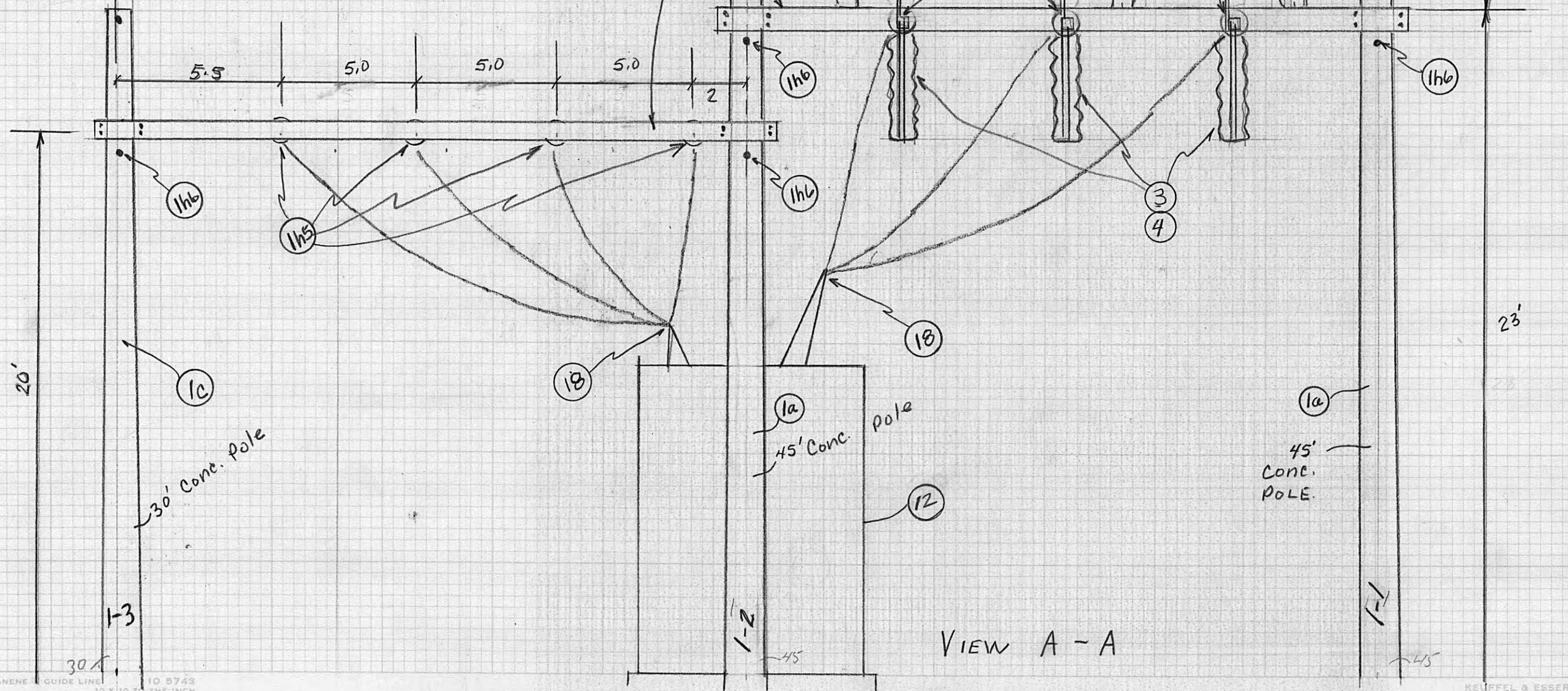
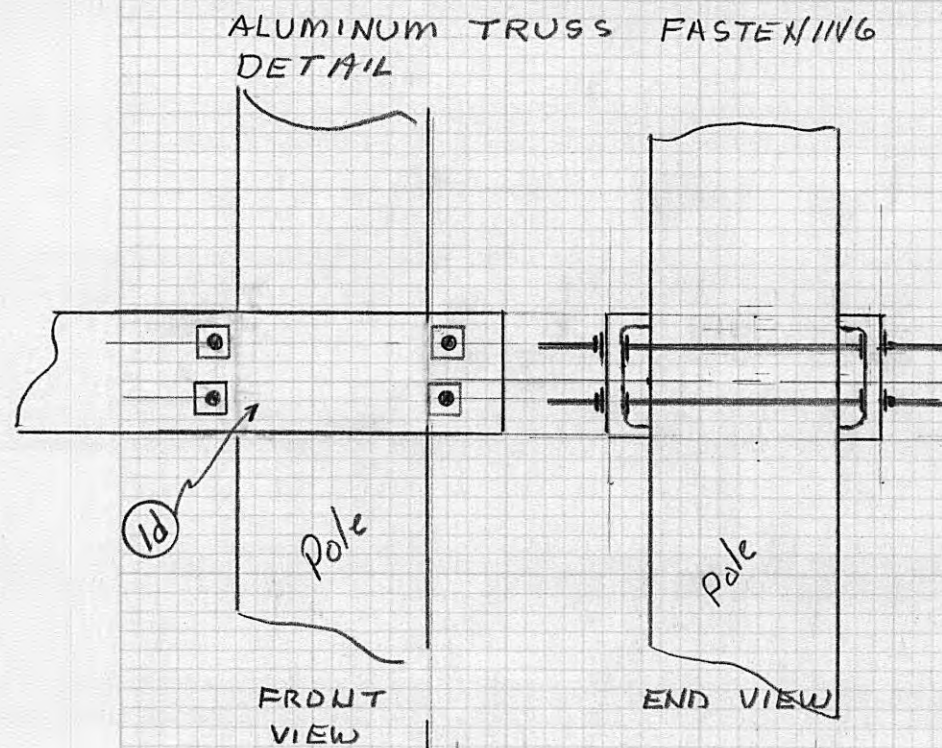


(LOOKING SOUTH)





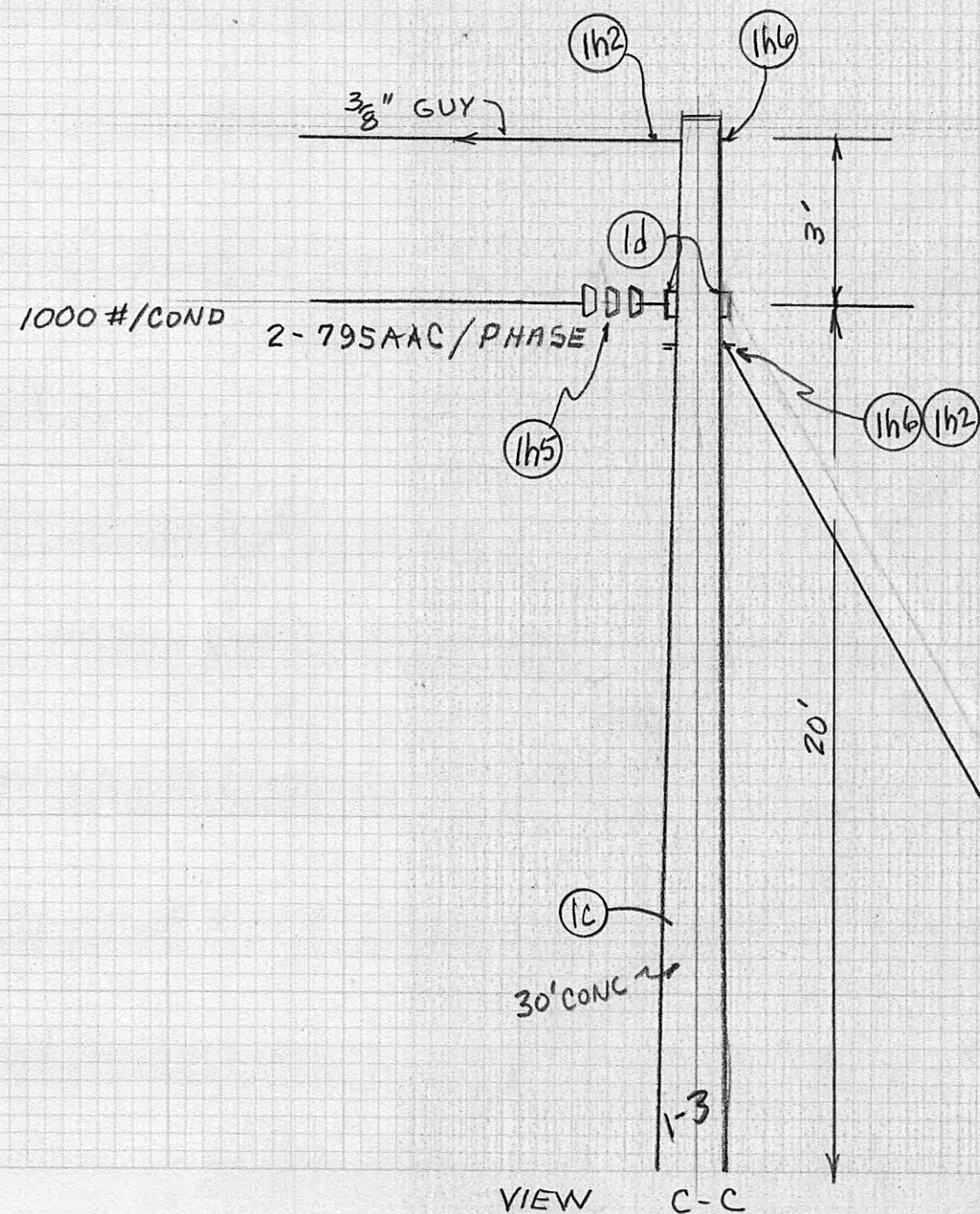
HARRIMAN UTILITY BOARD		
SCALE: <i>None</i>	APPROVED BY	DRAWN BY <i>R.HALL</i>
DATE: <i>10-15-74</i>		
HARTLAND ESTATES SWITCHING SCHEMATIC		
		DRAWING NUMBER <i>E-35-B</i>



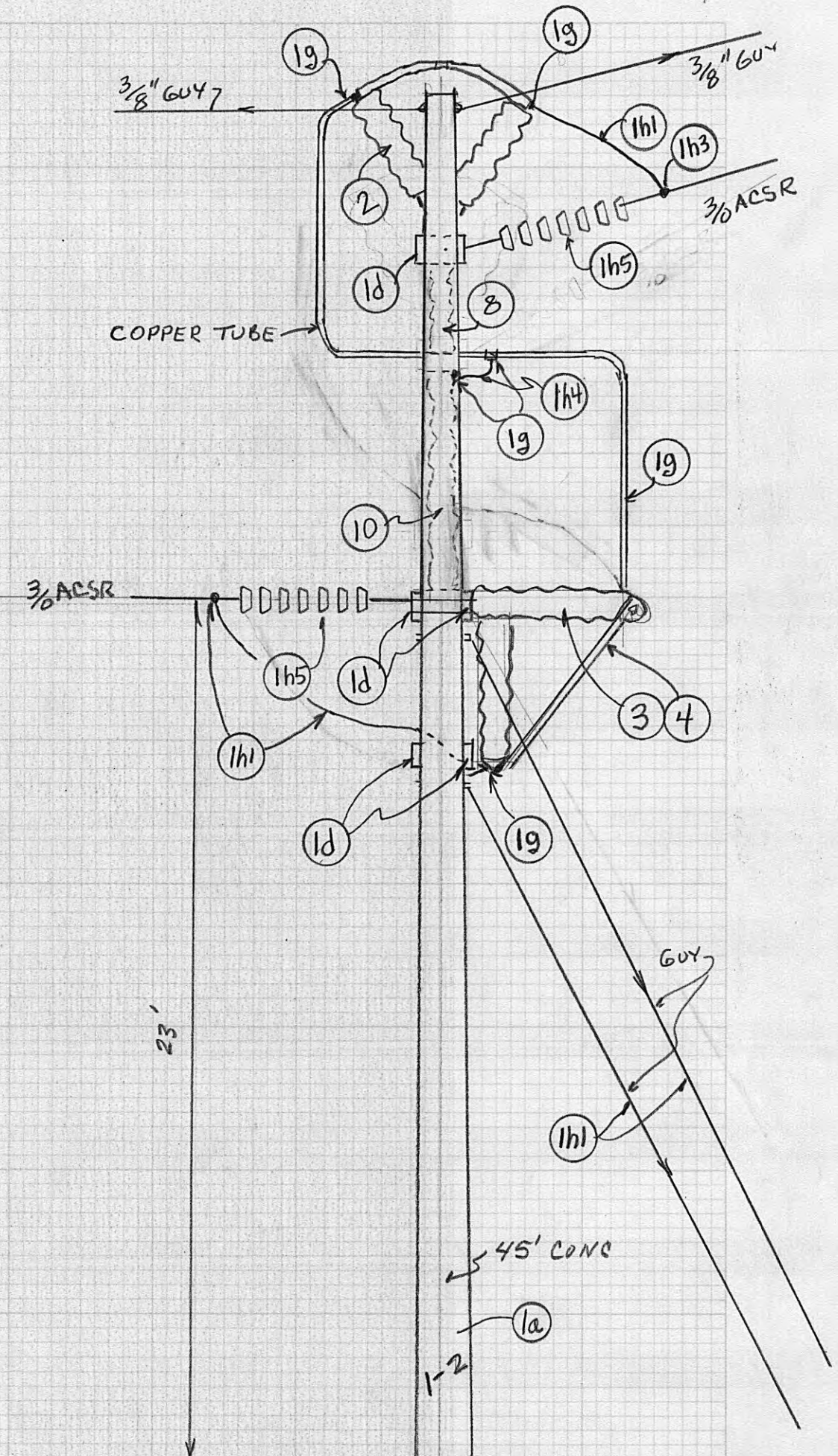
BY RAH DATE 9-23-82
CHKD. BY DATE

SUBJECT CARDIFF VALLEY SUB
STRUCTURE NO. 1
LEFT SIDE VIEW

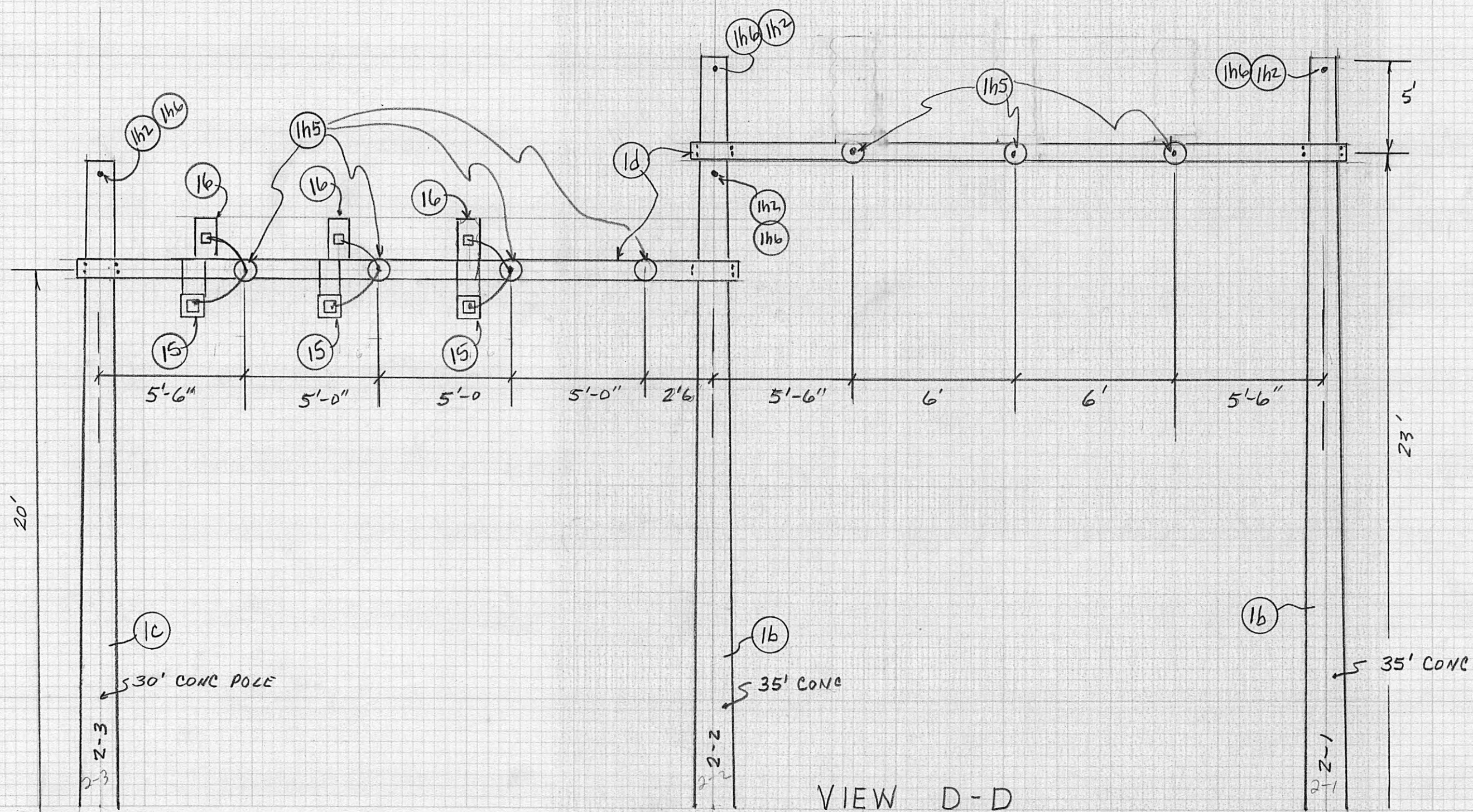
SHEET NO. 5 OF
JOB NO.



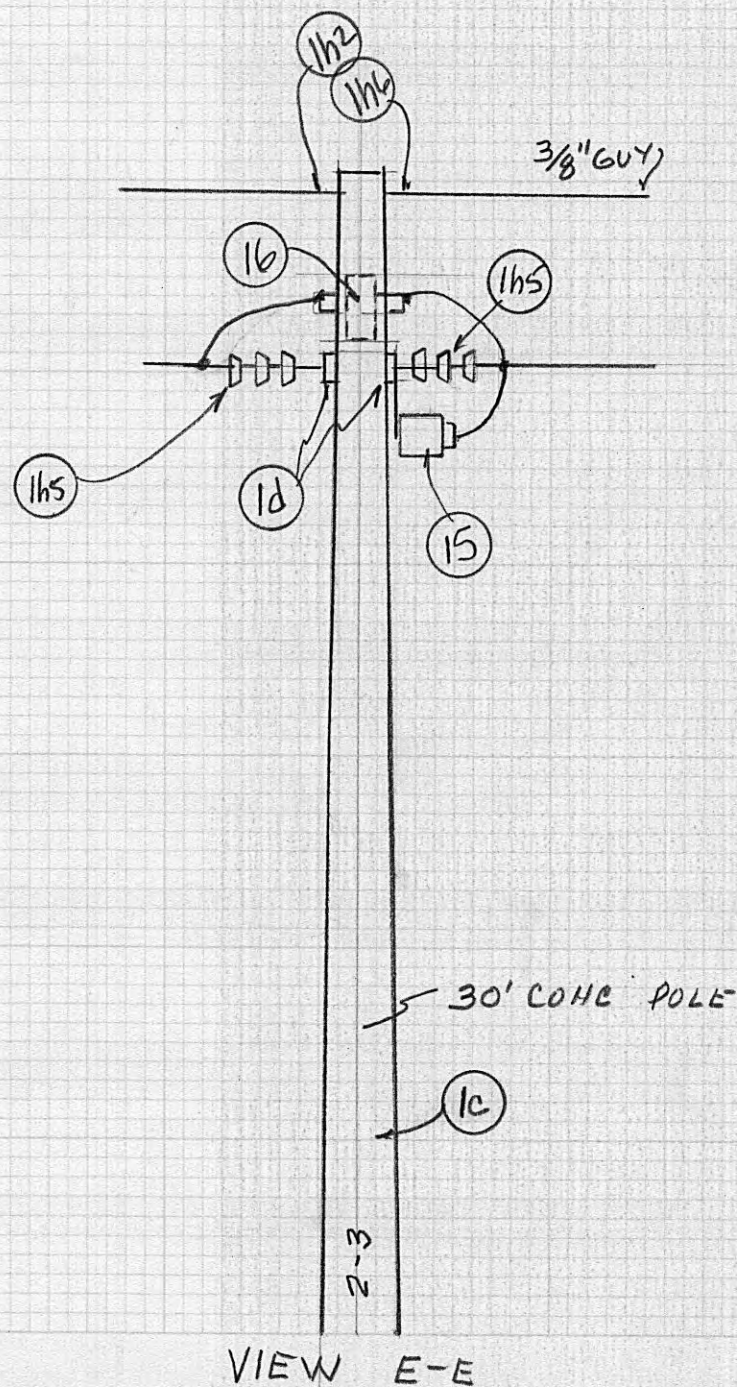
VIEW C-C



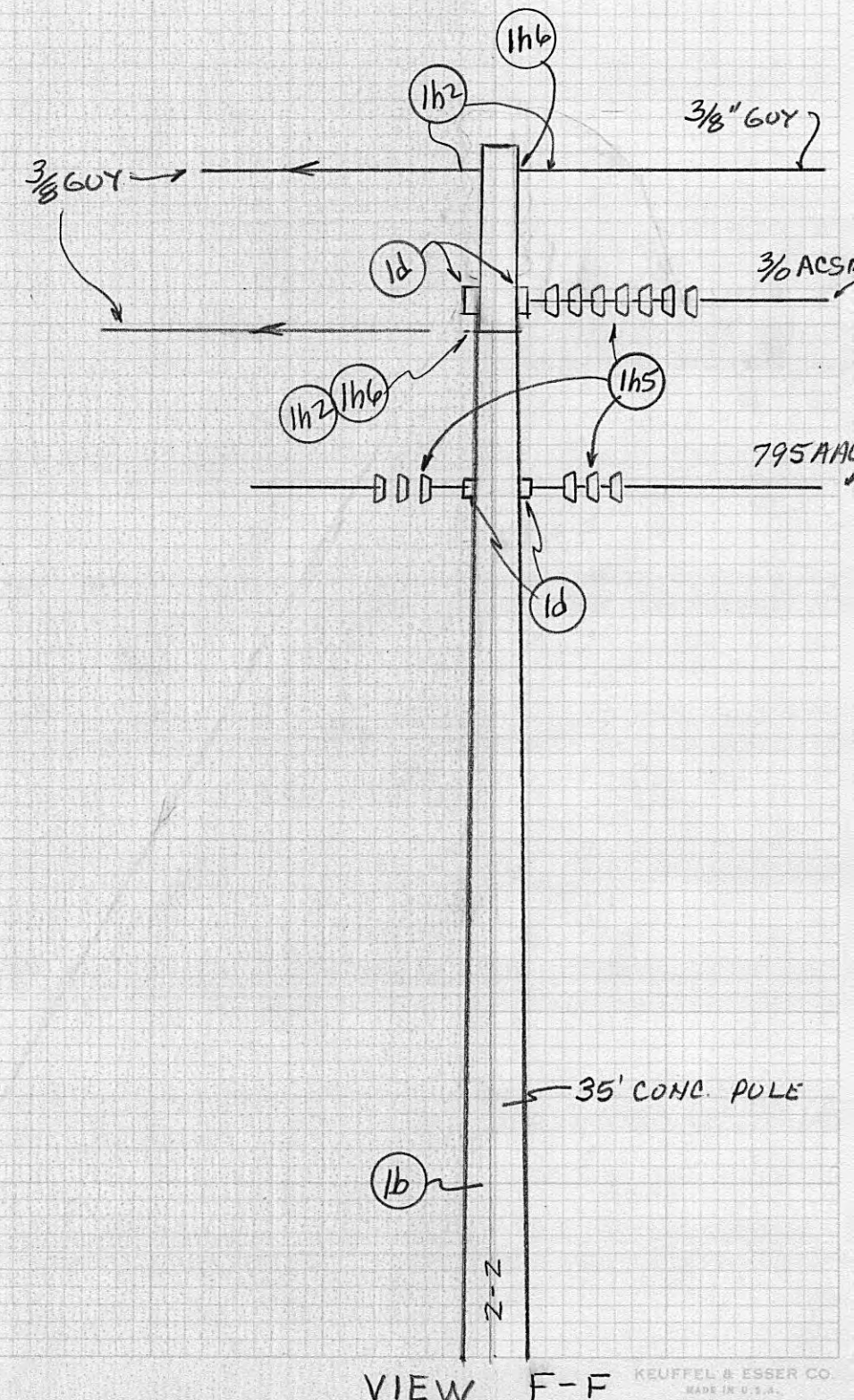
VIEW B-B



VIEW D-D



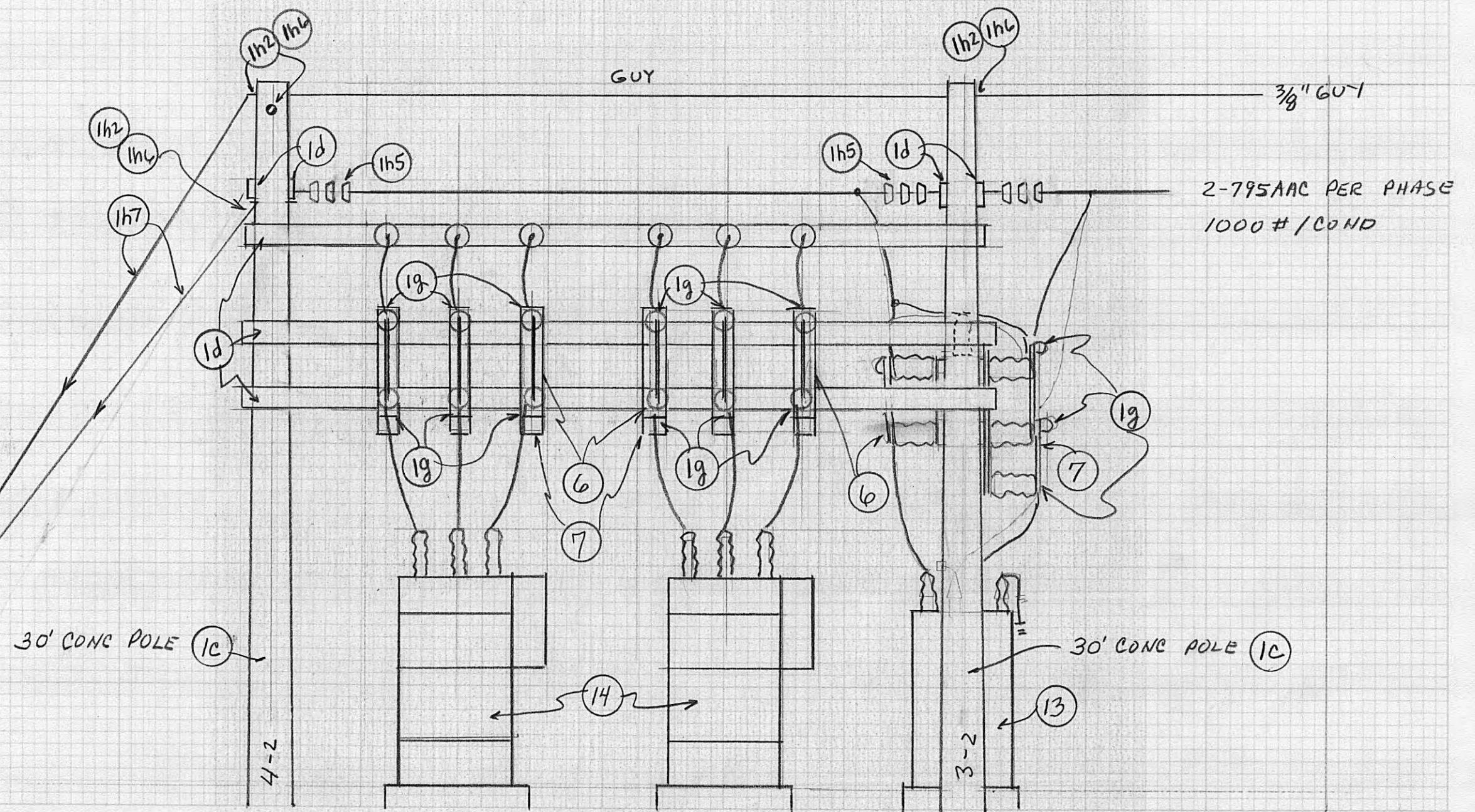
VIEW E-E



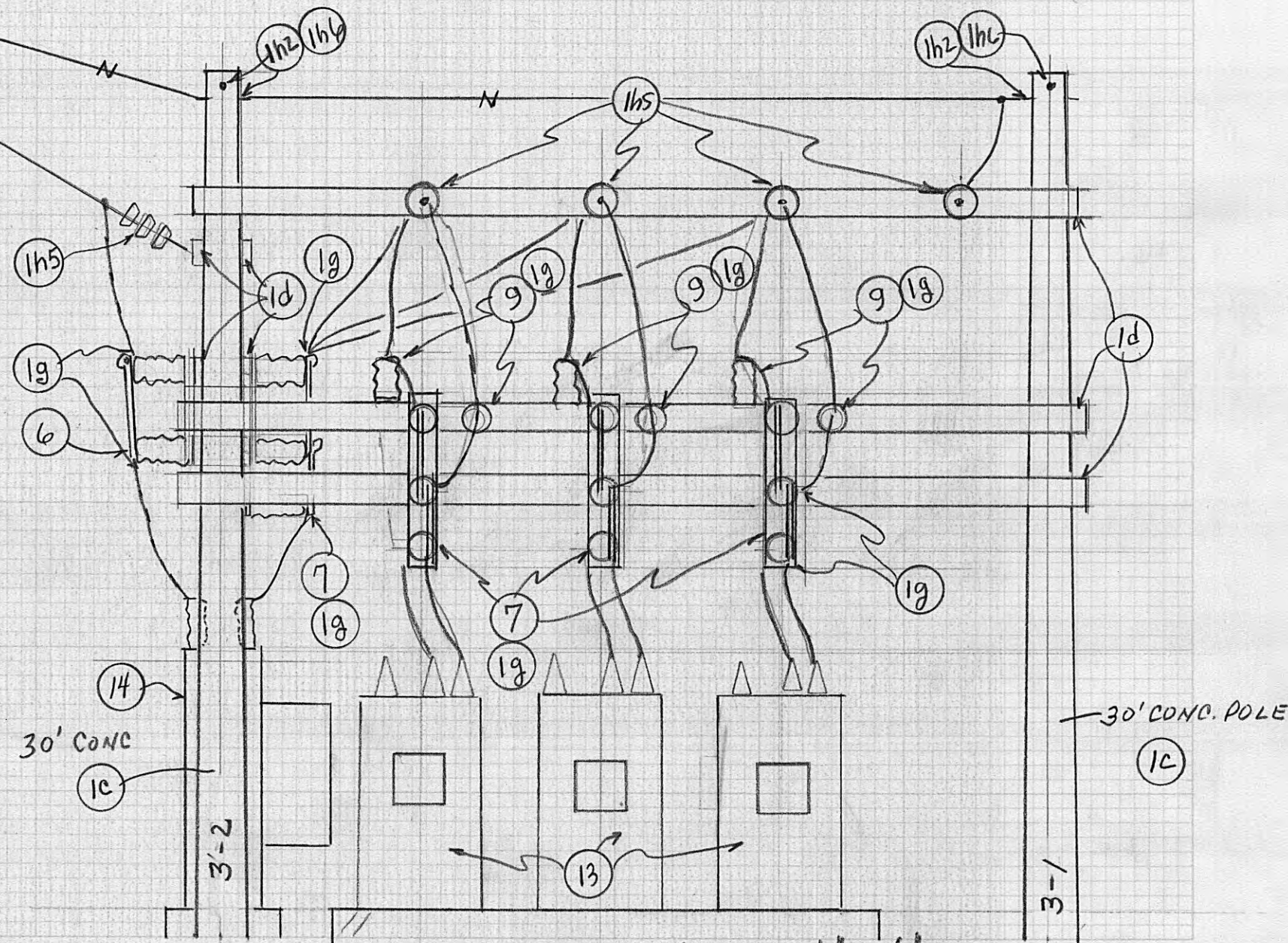
VIEW F-F

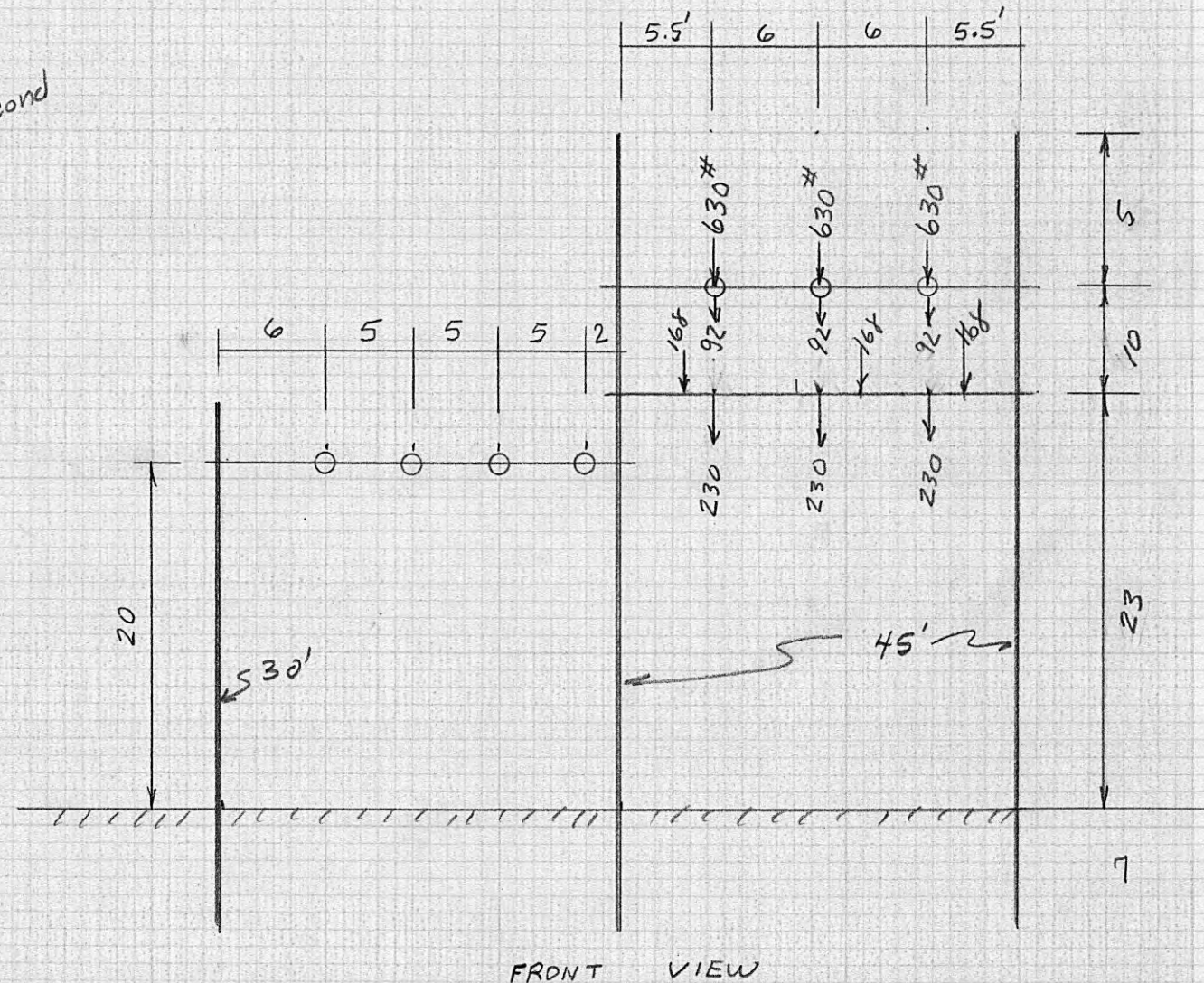
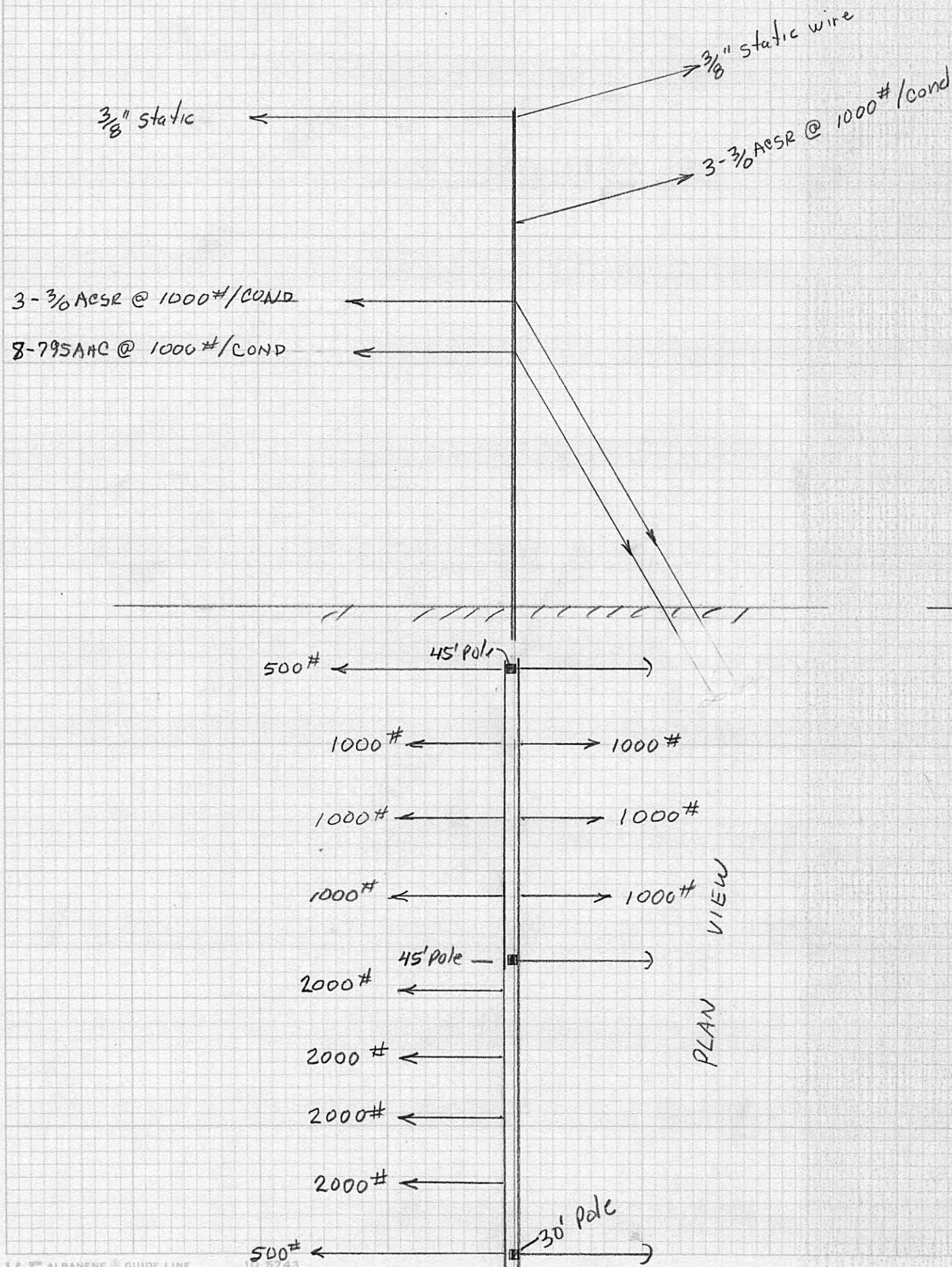
BY RAH DATE 9-23-82 SUBJECT CARDIFF VALLEY SUB
CHKD. BY DATE STRUCTURE NO 364
LEFT SIDE VIEW

SHEET NO. 8 OF
JOB NO.

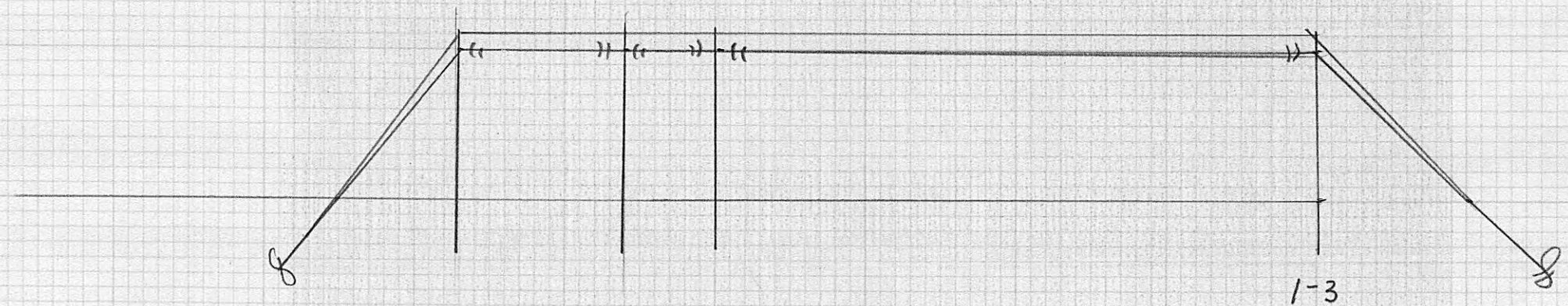
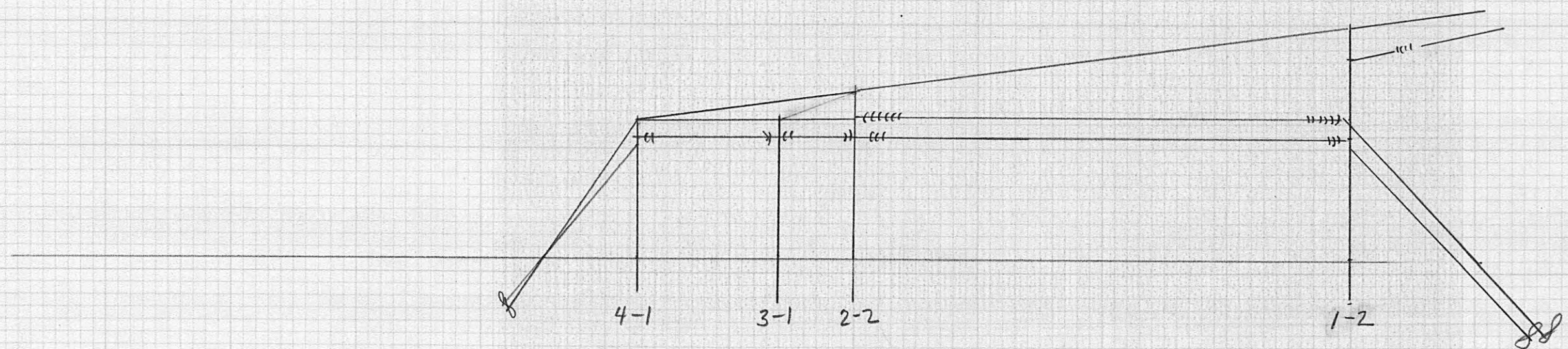
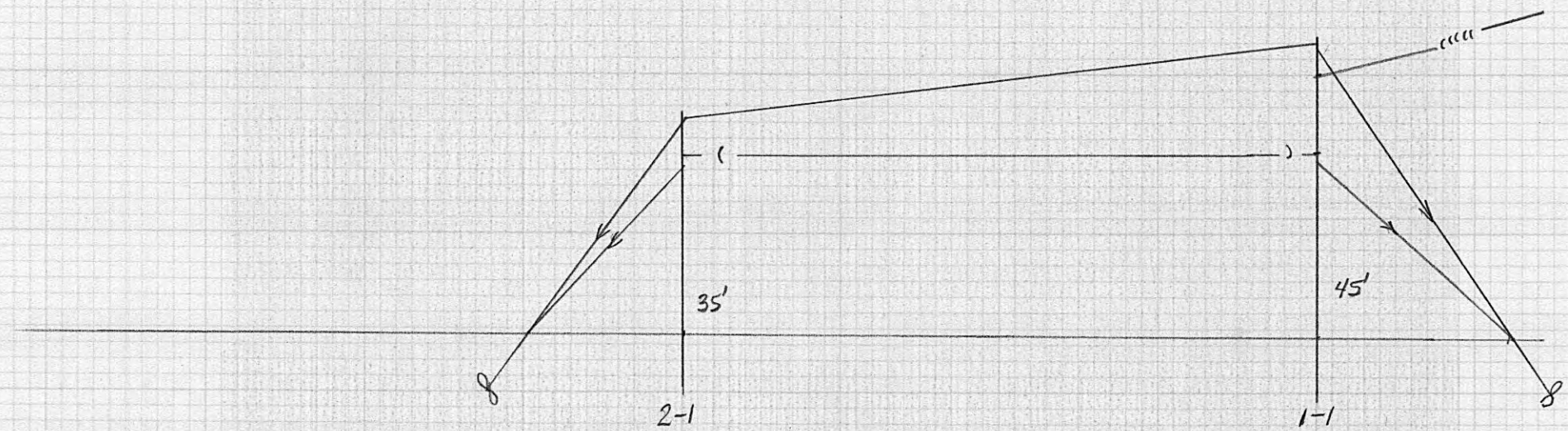


1000 #/COND
1-336-HAAC/PHASE





SHEET NO. // OF
JOB NO.



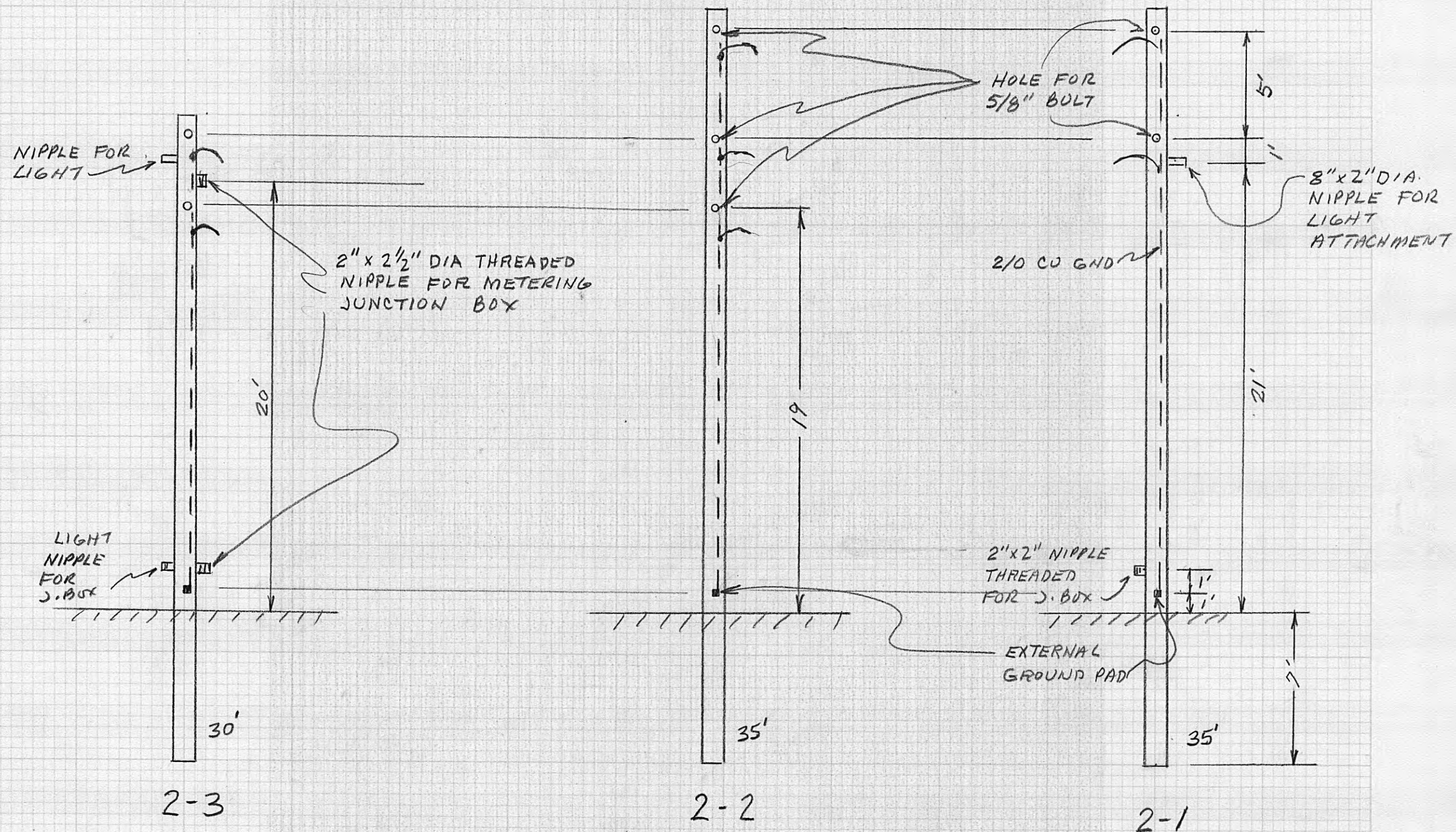
SHEET NO. 14 OF
JOB NO.



BY RAH DATE 9-23-82
CHKD. BY DATE

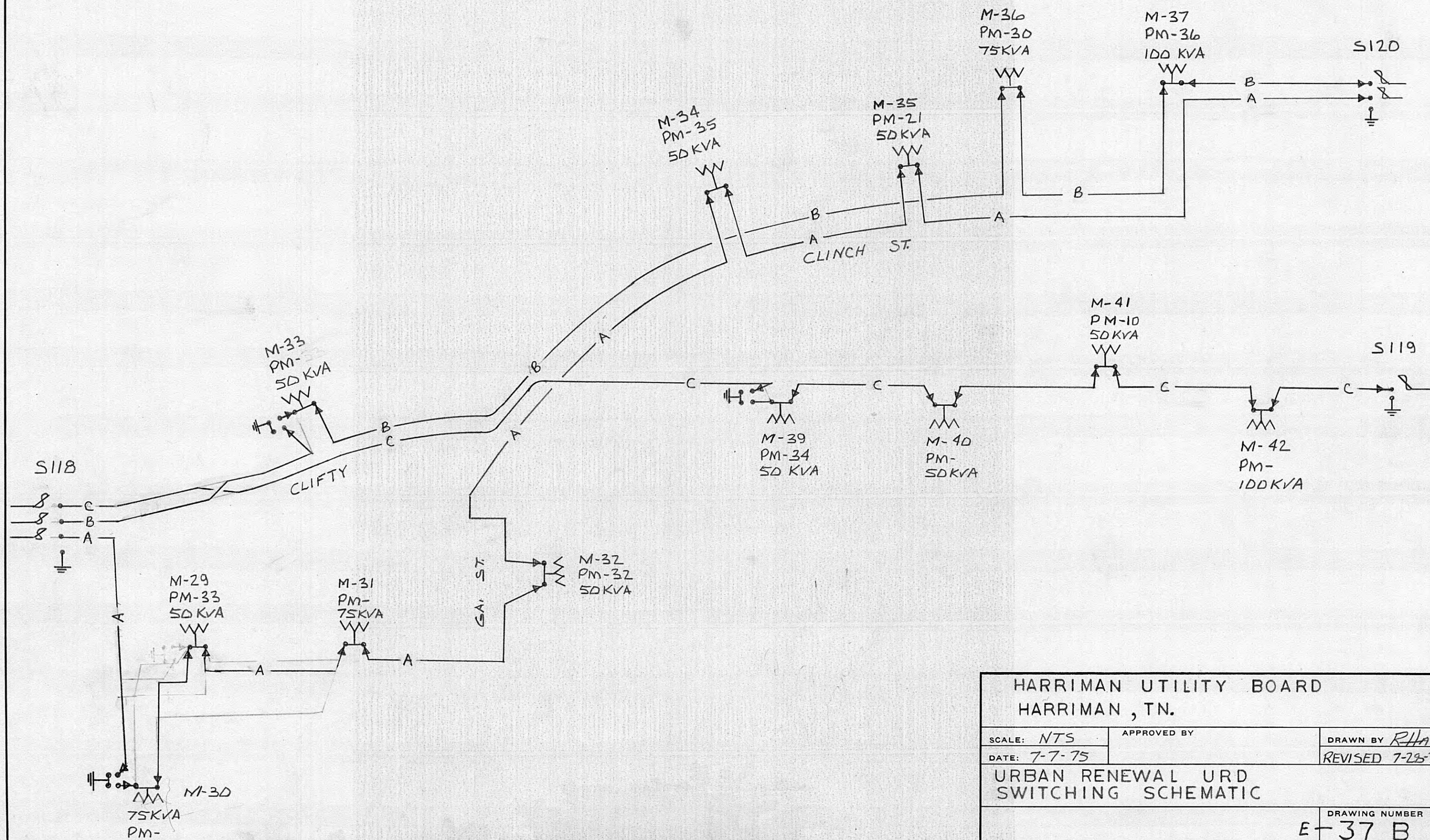
SUBJECT CARDIFF VALLEY SUB
POLE DETAIL
STRUCTURE NO 2

SHEET NO. 13 OF
JOB NO.

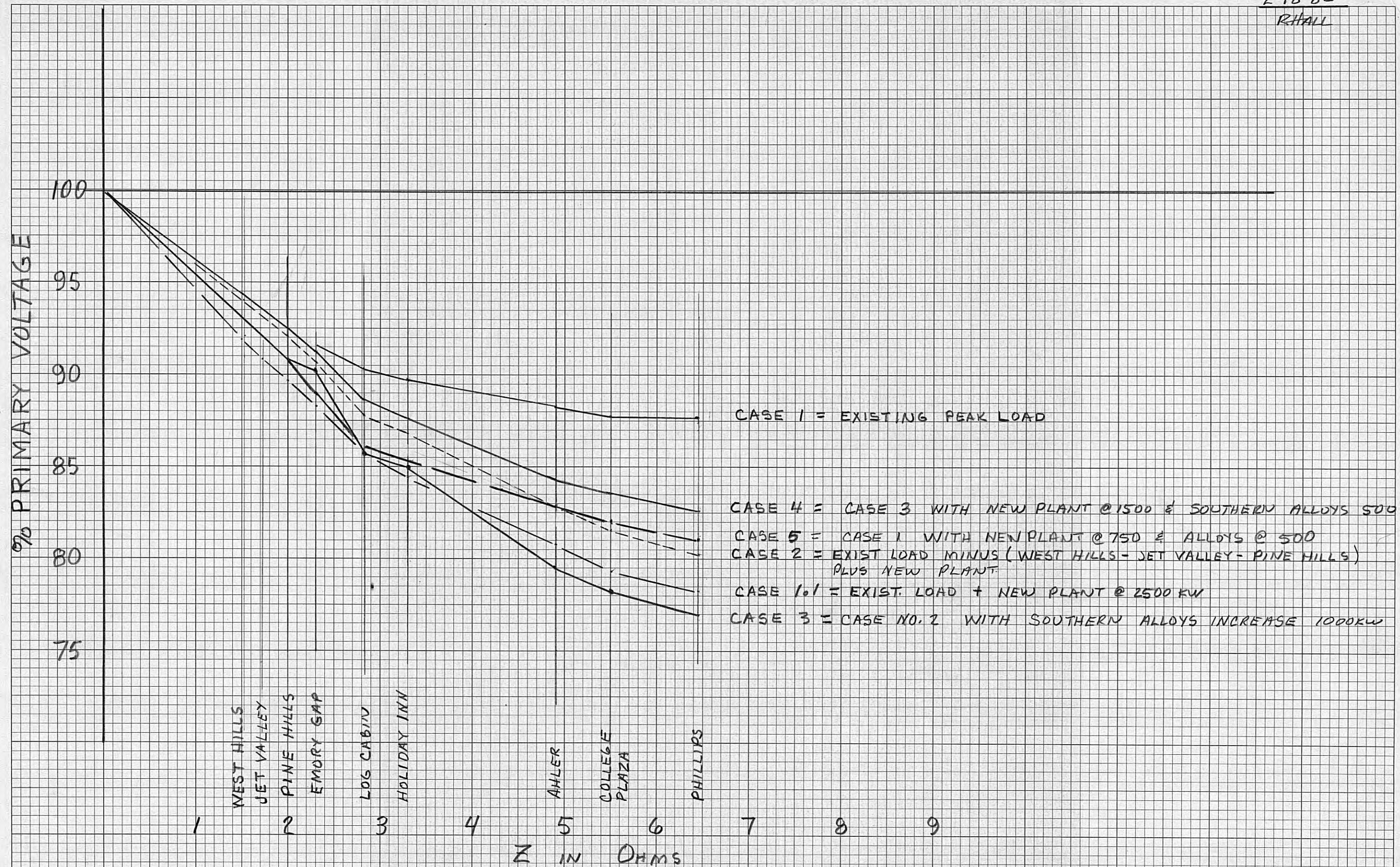


VIEW D-D

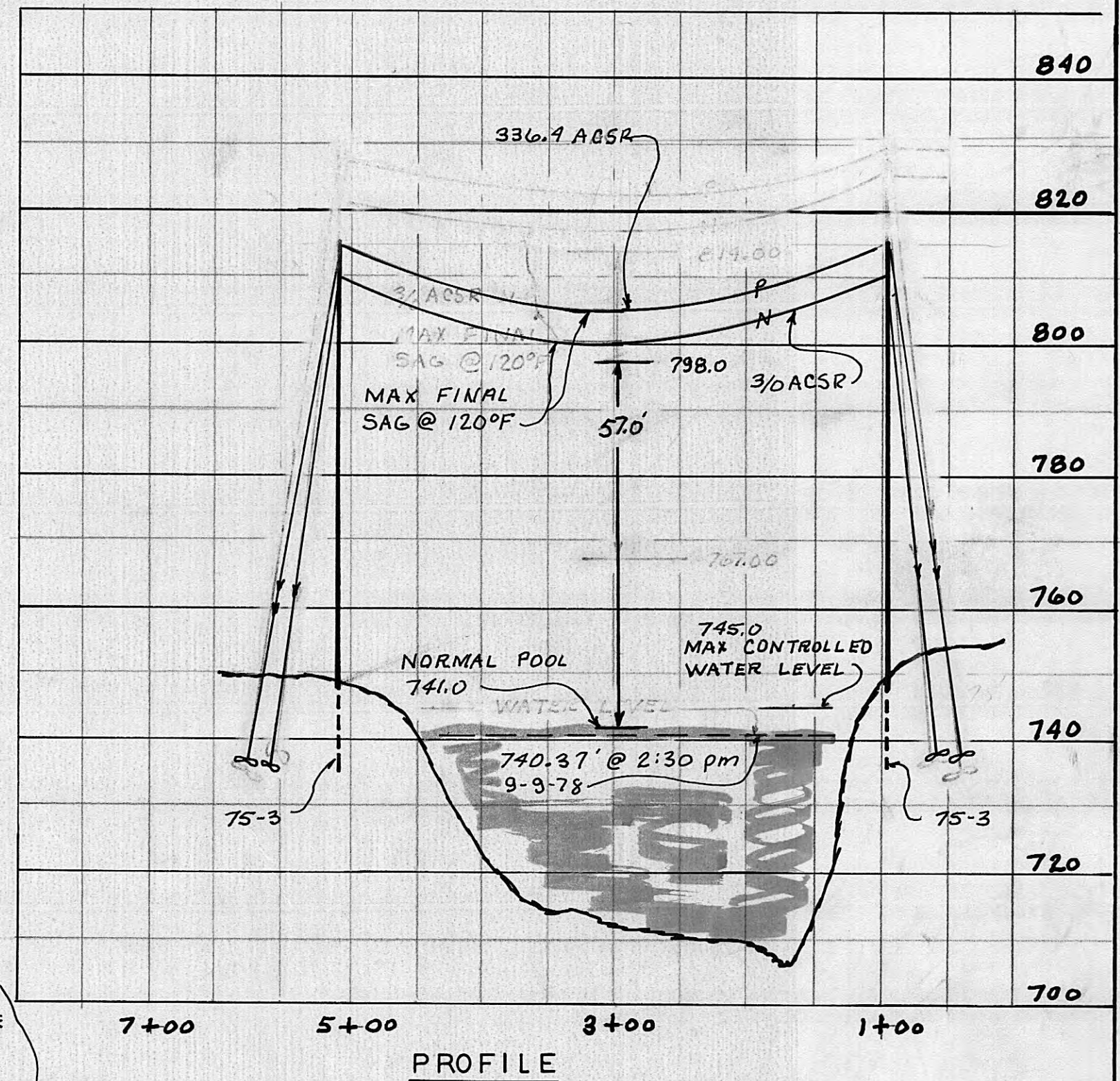
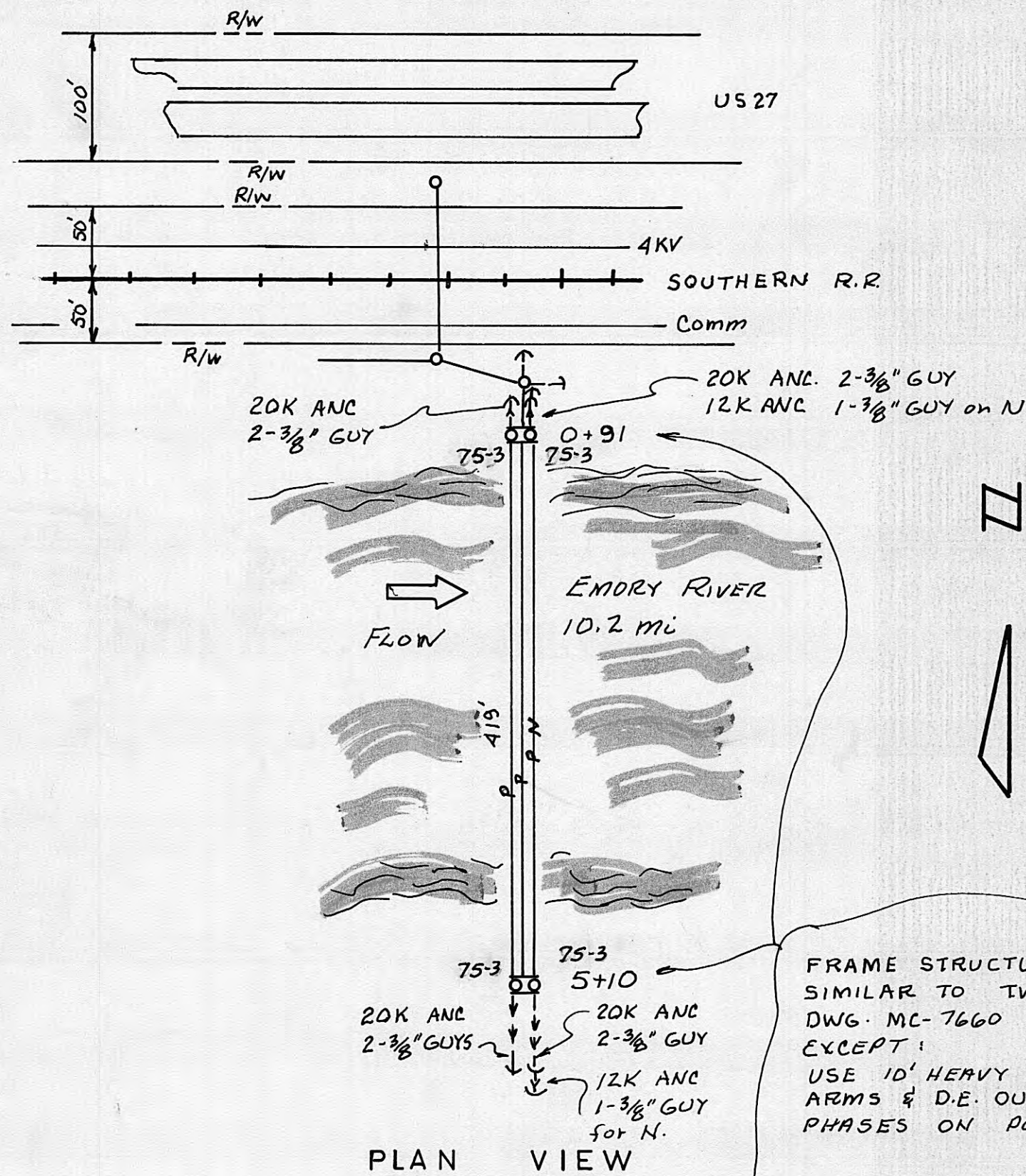
37-B



HARRIMAN UTILITY BOARD HARRIMAN, TN.		
SCALE: NTS	APPROVED BY	DRAWN BY <i>RHALL</i>
DATE: 7-7-75		REVISED 7-28-75
URBAN RENEWAL URD SWITCHING SCHEMATIC		
		DRAWING NUMBER E-37 B



CARDIFF FEEDER VOLTAGE PROFILE



HARRIMAN UTILITY BOARD
HARRIMAN, TENNESSEE

DATE: 10-25-78

DWN. R. HALL

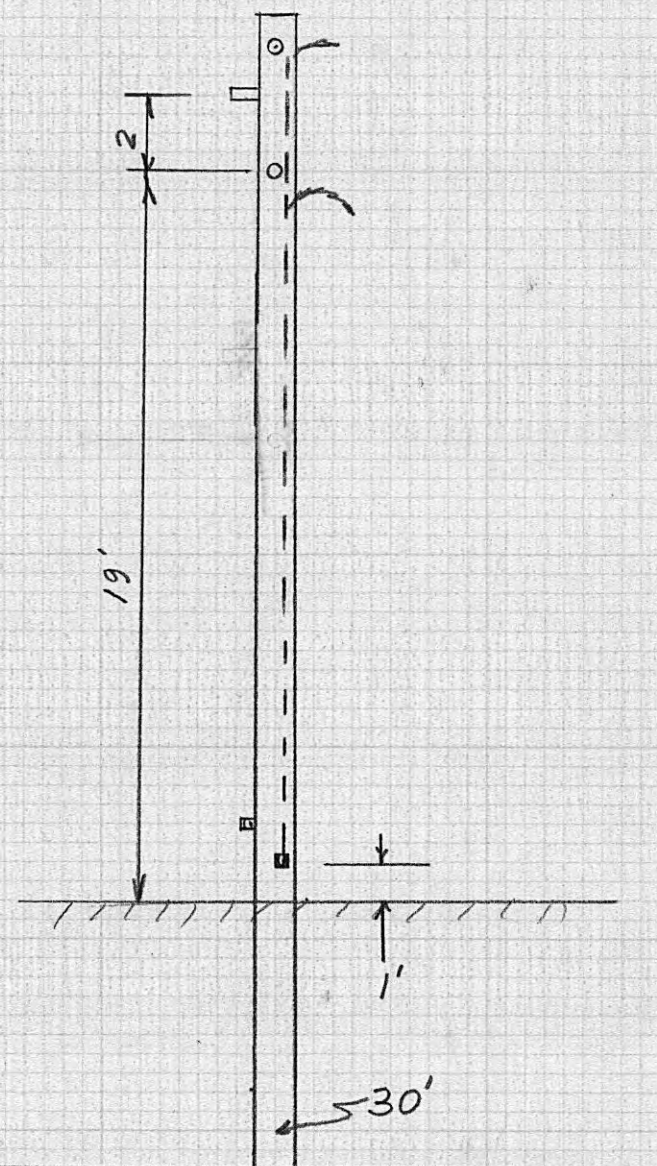
SCALE 1"=100'

VERT. 1"=20'

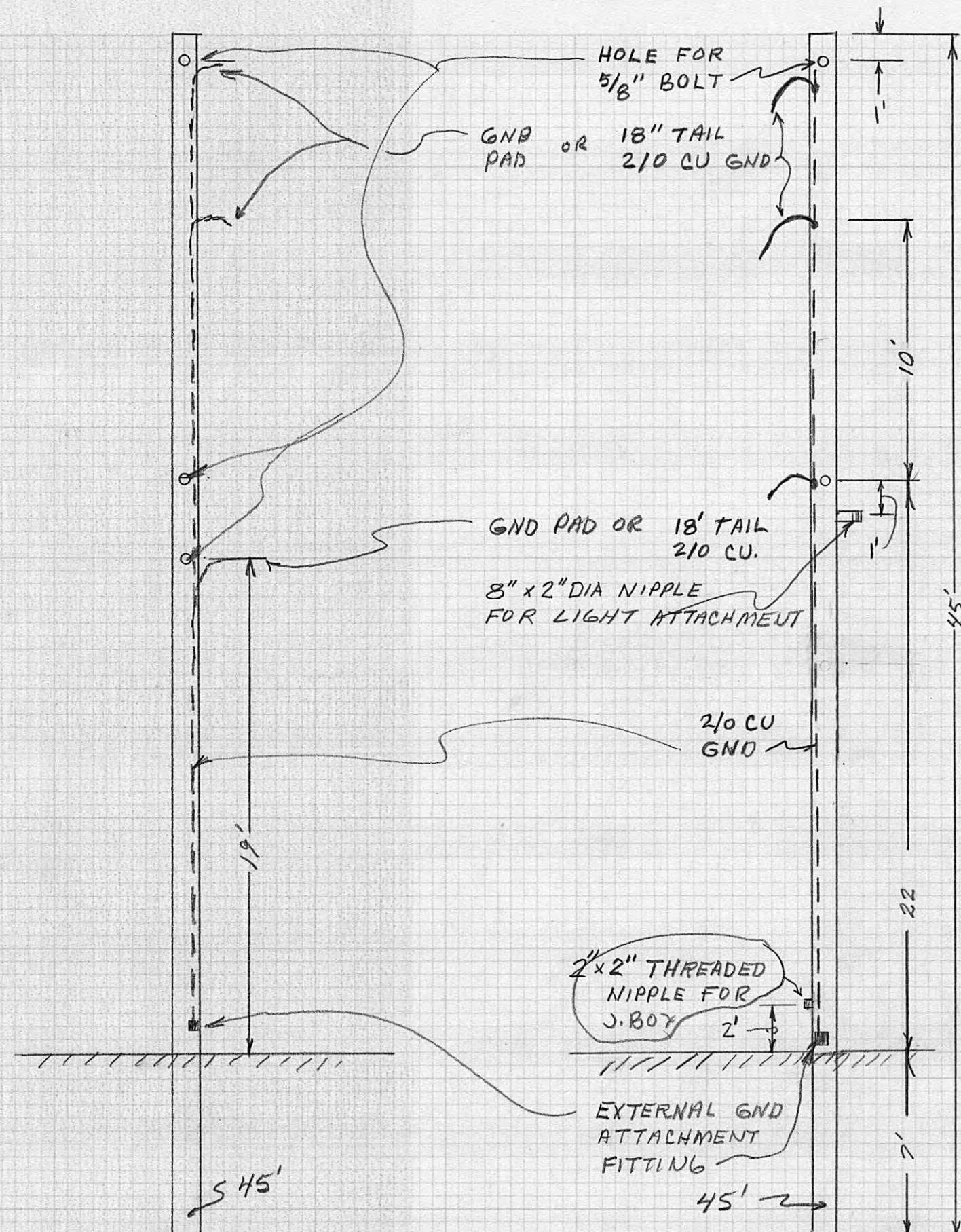
PLAN AND PROFILE SEWER PLANT
13.2 K.V.-O.H. FEEDER

P-23-A

NO. 1



1-3



1-2

1-1

VIEW

A-A