STRINGING SAGS AND TENSIONS

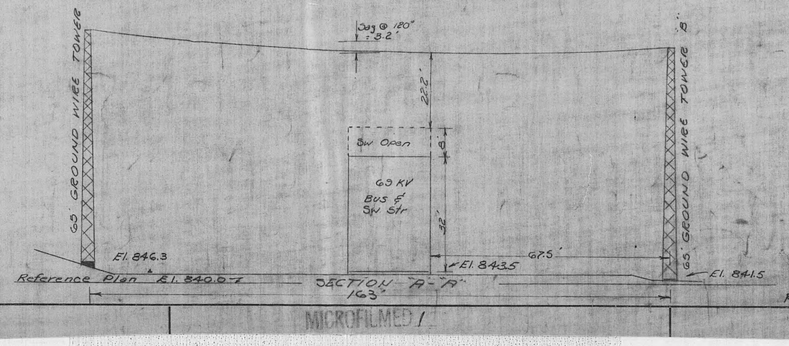
SPAN		3/8" H.S. Steel G.W. 2000# D.T. ½" Ice 8# Wind @ 0°F							
	TEMP	30°	40°	50°	60°	70°	80°	90°	100°
228'	TENS	620	590	560	530	505	485	460	445
	SAG	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
		3/8" H.S. Steel G.W. 1500# D.T. ½" Ice 8# Wind @ 0°F							
180'	TENS	395	385	380	350	340	330	320	310
	SAG	2.6	2.8	2.9	3.1	3.2	3.3	3.4	3.4
		3/8" H.S. Steel G.W. 1500# D.T. ½" Ice 8# Wind @ 0°F							
163'	TENS	405	385	370	350	340	330	320	315
	SAG	2.1	2.2	2.4	2.5	2.6	2.7	2.8	2.9

195.0'
℄ 400.0'
90°
90°
119° 11'
℄ F.L. — ℄ TO HARRIMAN-HARRIMAN DIST. #1 343 G
℄ 300.0'
197.0'
78.5'
100.5'
℄ "65' G.W. TOWER "B"
1500# D.T. (H.L.) 180' SPAN
55' G.W. TOWER "C"
79.5'
102.0'
2000# D.T. (H.L.) 228' SPAN
1500# D.T. (H.L.) 163' SPAN
69 KV BUS & Switch Str.
℄ Survey
80° 55'
Str 416B S-1 45 (10 Arms) Sta 0+90 ℄
Str #416A 38° TAP Str. Sta 0+00 N.E. HARRIMAN TAP Sta 73+615 HARRIMAN-HARRIMAN DIST. #1 TAP TO PETROS
Str 416
℄ 0.1180 ℄
90°
75.0'
33.0'
11.5'
60° 49'
BASE LINE "B"
61.0'
100.5'
℄ "65' G.W. TOWER "A"
BASE LINE "A"
90°
℄ 567.6'
TO PETROS
60° 49'
Str. 416 H.I 55-55 Sta. 73+50

REFERENCE DRAWINGS

LC-47837	General Arrangement Plan (Initial)
LC-47836	General Arrangement Plan (Ultimate)
LC-49682	Foundation Plan
LC-49591	Grading Plan
BMC-49396	Substation OHGW Bill of Material
LW-5804	Property and Contour Map
LW-1055	Plan and Profile Sh. 2
LC-48704	Ground Tower Details

Leased to City of Harriman, Tenn. Per Contract TV-52148A, Supp. 7 Dated June 21, 1983 except metering facilities, 69 kv tap and switch structure and transmission lines extending therefrom across said substation site, facilities for which expenditures were comitted by TVA after Jan. 1 1977, and any portable facilities and equipment



SECTION "A"-"A"

Return to Engineering Flat File Drawer 7

Added Lease Note

REV NO.	DATE	WORK ORDER	DSGN	DRWN	CHKD	SUPV	APPD
1	8/1/83			AFM			

DSGN. JWC SUPV. WTG W.O. 37174
DRWN. JWC PROJ. ENGR. WTM
CHKD. WAE

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PLANNING AND ENGINEERING

N.E. HARRIMAN SUBSTATION - 69 KV. ARRANGEMENT OF OVERHEAD GROUND WIRE

DATE 8-7-69 | SUBMITTED 8-7-69 W. A. Connelly | APPROVED C. J. Reeves | SHEET 1 OF 1 SHEETS
SCALE 1:20 | CLASS. CODE ACP 25P2 | LC-49595 | R-

MICROFILMED