LC-99982

GROUNDING NOTES :
1. For method of grounding fence, see HC-16023 Fig.5
2. For method of grounding telephone booth, see LC-9161
3. For method of connecting ground plate, see HC-16023 Fig.2
4. Where ground bus passes under fence, cable should clear fence, fence post, and fence ground rods by at least 3'-0"
5. For method of grounding P.T. and C.T. sec's, see HC-16023 Fig.7
6. Where possible place sta. gnd. bus in same ditch with conduit and/or trench lay cable but on side so as to be readily accessible
7. For arrangement of overhead gnd. in 13kv structure, see LC-99979 sh.2
8. For method of grounding P.T. C.T.'s see HC-16023 Fig.8

DETAIL A
STA. SERV. TRANSF.
N.T.S.

Loop to equipment on 13kv str.
Material as listed
Bus and risers AN-25BC (Note 7)
Sta. Serv. Transf. (Pri., Sec. & Case)
4BH-AU-BP (Det. A)
P.T.'s (Pri. & Sec.) 3BG-3BH (Note 5)
C.T.'s (Sec.) 3BG-3BH (Note 5)
L.A.'s 9BH

Transf. No.2
Transf. No.1

AH-4AU-4BJ-2BC (Note 3)

(TVA) AH-4AU-4BJ-2BC
(HUB)
(TVA)

83'-0" Approx.

Base Line "A"
Base Line "B"

Tel. Booth

REFERENCES :
Bill of Material — BMC-49983
Outdoor Conduit and Lighting — LC-49979
Fence Plan — HC-49683

REV. NO.	DATE	WORK ORDER	DSGN.	DRWN.	CHKD.	SUPV.	APPD.
2	Lease-purchase to Harriman U.B. except 69kV Tap Str. grounding. 2/10/84	A7831.01	DOA	DOA	EWT		
1	Field Change 12-15-69	37174		ST	GFZ	GFZ	

DSGN. JAB SUPV. EEB-REH W.O. 37174
DRWN. JAB PROJ. ENGR.
CHKD. BAH

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PLANNING AND ENGINEERING

N.E. HARRIMAN, TENN. SUBSTATION - 69kV.
GROUNDING PLAN

DATE 5-13-69 | SUBMITTED | APPROVED | SHEET 1 OF 1 SHEETS
SCALE 1"=10'-0" | CLASS. CODE 2310 | LC-49982 | R-2

MICROFILMED