

OBSERVE ALL SAFETY REQUIREMENTS AND THEN REMOVE COVERING ON THE GROUND CONDUCTOR IF PRESENT AND PROVIDE SUFFICIENT ROOM FOR THE MODEL 3710/3730 JAWS, WHICH MUST BE ABLE TO CLOSE EASILY AROUND THE CONDUCTOR. THE JAWS CAN BE PLACED AROUND THE GROUND ROD ITSELF. NOTE: THE CLAMP MUST BE PLACED SO THAT THE JAWS ARE IN AN ELECTRICAL PATH FROM THE SYSTEM NEUTRAL OR GROUND WIRE TO THE GROUND ROD, OR COUNTERPOISE.

SELECT THE CURRENT RANGE "A". CLAMP ONTO THE GROUND CONDUCTOR AND MEASURE THE GROUND CURRENT. THE MAXIMUM CURRENT RANGE IS 30 A. IF THE GROUND CURRENT EXCEEDS 5 A, GROUND RESISTANCE MEASUREMENTS ARE NOT POSSIBLE. DO NOT PROCEED FURTHER WITH THE MEASUREMENT. REMOVE THE CLAMP-ON TESTER FROM THE CIRCUIT, NOTING THE LOCATION FOR MAINTENANCE, AND CONTINUE TO THE NEXT TEST LOCATION RECORD CURRENT ON DATA SHEET

AFTER NOTING THE GROUND CURRENT, SELECT THE GROUND RESISTANCE RANGE (OHM) AND MEASURE THE RESISTANCE DIRECTLY. THE READING YOU MEASURE WITH THE 3710/3730 INDICATES THE RESISTANCE OF THE ROD, RESISTANCE OF THE COUNTERPOISE, BUT ALSO OF THE CONNECTION TO THE SYSTEM NEUTRAL AND ALL BONDING CONNECTIONS BETWEEN THE NEUTRAL AND THE ROD.

RECORD 2 OR 4 RESISTANCE READINGS ON DATA SHEET. IF ANY ONE READING IS ABOVE 25 OHMS, CONTACT DPU—E IMMEDIATELY.

SEND COMPLETED DATA SHEET TO THE PROJECT ENGINEER AND RECORDS.

NAPERVILLE PUBLIC GROUNDING WITH GROUND RODS UTILITIES DEPARTMENT
ELECTRIC STANDARDS

DATA SHEET FOR RECORDING GROUND RESISTANCE MEASUREMENT BY THE CLAMP ON GROUND RESISTANCE TEST METHOD

DALE.
TYPE OF METER AND MFG.:
MANHOLE NUMBER + TYPE:
POLE NUMBER + SIZE:
STREET ADDRESS:
NAME OF PERSON
PERFORMING TEST:
W.F. #
TEMPERATURE (AIR):F
SIZE OF GROUND RODS: 5/8 DIA COPPER CLAD, UNLESS NOTED
SIZE OF CABLE FOR GROUND WIRE AND/OR COUNTERPOISE IS 4/O COPPER (BARE) 7 STRAND, UNLESS NOTED

INSTALL FEET OF GROUND RODS TOTAL PER LOCATION	COUNTERPOISE		FEET OF COUNTERPOISE		RESISTA GROUN	SURED NNCE OF D RODS HMS)	RESIST COUNT	SURED ANCE OF ERPOISE HMS)	RESISTA GROUNI AM COUNTE		i.e. RO SAND,	CK, CLAY WET OR	CONNE GROUN i.e. C BOLTED	HOD OF CTION TO ND RODS CADWELD , AMPACT, RIMP.	REAL	DING	MEASURED WATER LEVEL IN MANHOLE (FT)	REMARKS
LOCATION LOCATION #1 #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2	LOCATION #1	LOCATION #2				

DATE.

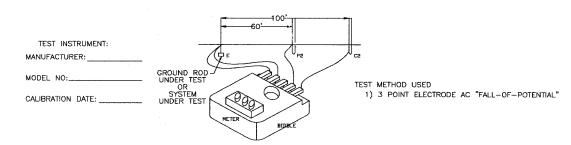
NOTE:
A HIGH READING INDICATES ONE OR MORE OF THE FOLLOWING:
1) POOR GROUND RODS.
2) OPEN GROUND CONDUCTOR.
3) HIGH RESISTANCE, DUE TO POOR CONNECTIONS ON RODS, HARDWARE & CLAMPS.
4) METER CLAMP IS IMPROPERLY CLOSED.
5) FAULTY METER.

NAPERVILLE PUBLIC	GROUNDING WITH GROUND RODS	DATE: 05-01-05
UTILITIES DEPARTMENT		Page 7 of 7
LECTRIC STANDARDS	(DETAIL)	56270-100

DATA SHEET FOR RECORDING GROUND RESISTANCE BY THE FALL OF POTENTIAL METHOD.

_	F.A. 2552	SECT	ION	COUNTY	TOTAL SHEETS	SHEET NO.	
		000014-	-00-PV	DUPAGE	563	283	
	STA.		STA.				
	FED. ROAD	DIST. NO.	ILLINOIS	FED. AID	PROJEC	T	
	CONTRACT	63024		<u> </u>			

TYPE OF METER AND MFG.: MANHOLE NUMBER + TYPE: POLE NUMBER + SIZE: STREET ADDRESS: PERFORMING TEST: W.F. #_ TEMPERATURE (AIR): 'F SIZE OF GROUND RODS: 5/8 DIA COPPER CLAD, UNLESS NOTED SIZE OF CABLE FOR GROUND WIRE AND/OR COUNTERPOISE IS 4/O COPPER (BARE) 7 STRAND, UNLESS NOTED



LOCATION	TEST	ND. DF	ROD SIZE	DISTANCE BETWEEN	AUX. ELE	CTRODE NT (FT.)	RESISTANCE CHMS	REMARKS	
	THE TRIED	KIJDS	& CENGIII	אנושא (רוי)	P2	C2	3.110		

NOTE

NAPERVILLE PUBLIC UTILITIES DEPARTMEN ELECTRIC STANDA GROUNDING WITH GROUND RODS (DETAIL)

WF# INFORMAT	ION	9	СГ	Y OF				OF PUBLIC !		ECTRIC
WF# 59481 WASHINGTON ST. 75TH TO OLYMPUS DR. EAST SIDE	JOB 1 EU-73	PROJECT TI						PRIOR TO CO	NAP NO.:	CAD FILE:
WF# 59482 75TH WASHINGTON ST. TO OLYMPUS DR. NORTH SIDE	JOB 2 EU-73	PROJECT D		ON	NOH	SECT		MPROVEMENTS	DRAWN BY: JK. PM	0056270001D42.DW0 PROJECT NO.: EU12-06-03
WF# 59484 75TH WASHINGTON ST. TO CLYDE DR. SOUTH SIDE	JOB 3 EU-73		401 08			J.,	WORK REQUEST NO.		SBC:	COMPLETED BY:
WF# 59485 WASHINGTON ST. 75TH TO BAILEY RD. EAST SIDE	JOB 4 EU-73	ISSUED ENGINEER REVISION	RPS		1	,	56270	APRV:	SCALE : NTS	SHEET 42 OF 73