SAMPLE INSTALLATION (CLAMP ON METER)	DATA SHEET FOR RECORDING GROUND RESISTANCE BY THE FALL OF POTENTIA
FINAL GRADE	
20' TO 150' UTILITY GROUND LOCATION #1 LOCATION #1 LOCATION #1 LOCATION #1 LOCATION #1 LOCATION #1 LOCATION #1	TYPE OF METER AND MFG.: MANHOLE NUMBER + TYPE: POLE NUMBER + SIZE: STREET ADDRESS: NAME OF PERSON PERFORMING TEST: W.F. # TEMPERATURE (AIR): <u>'F</u> SIZE OF GROUND RODS: <u>5/8 DIA COPPER CLAD, UNLESS NOTED</u> SIZE OF CABLE FOR GROUND WIRE AND/OR COUNTERPOISE IS <u>4/0 COPPE</u>
GROUNDING CONDUCTOR IS THE PERIMETER GROUND. CLAMP ON TEST METER METER CAN BE BOUGHT FROM MITCHELL INSTRUMENT 1570 CHEROKEE ST. SAN MARCOS, CA 92069-6901 PHONE: (888) 270-2690 8' MIN PER NESC PER GROUND ROD.	TEST INSTRUMENT: MANUFACTURER: MODEL NO: CALIBRATION DATE: MODEL NO: CALIBRATION DATE: MODEL NO: MODEL NO: MODER TEST MODEL NO: MODEL NO: MODER TEST MODEL NO: MODER TEST MODER TE
NOTE: UTILITY GROUND OBSERVE ALL SAFETY REQUIREMENTS AND THEN REMOVE COVERING ON THE GROUND AFTER NOTING THE GROUND CURRENT, SELECT THE GROUND RESISTANCE RANGE 'Ω' (OHM)	
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.	LOCATION TEST METHOD RODS & LENGTH ROD SIZE & LENGTH RODS (FT.) P2 C2
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.	
NAPERVILLE PUBLIC UTILITIES DEPARTMENTGROUNDING WITH GROUND RODSDATE: 05-01-05 Page 5 of 7ELECTRIC STANDARDS(DETAIL)56270-100	NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS
DATA SHEET FOR RECORDING GROUND RESISTANCE MEASUREMENT BY THE CLAMP ON GROUND RESISTANCE TEST METHOD	
DATE: TYPE OF METER AND MFG.: MANHOLE NUMBER + TYPE: POLE NUMBER + SIZE: STREET ADDRESS: STREET ADDRESS: PERFORMING TEST: V.F. # W.F. # TEMPERATURE (AIR):F SIZE OF GROUND RODS: <u>5/8 DIA COPPER CLAD. UNLESS NOTED</u> SIZE OF CABLE FOR GROUND WIRE AND/OR COUNTERPOISE IS <u>4/0 COPPER (BARE) 7 STRAND. UNLESS NOTED</u>	
INSTALL FEET OF GROUND RODS TOTAL PER LOCATION INSTALL FEET OF COUNTERPOISE TOTAL PER LOCATION INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL FEET OF COUNTERPOISE (OHMS) INSTALL IN	
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NOTE: A HIGH READING INDICATES ONE OR MORE OF THE FOLLOWING: 1) POOR GROUND RODS. 2) OPEN GROUND CONDUCTOR.	PROJECT TI
3) HIGH RESISTANCE, DUE TO POOR CONNECTIONS ON RODS, HARDWARE & CLAMPS. 4) METER CLAMP IS IMPROPERLY CLOSED. 5) FAULTY METER.	Engineer B Gis design
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NAPERVILLE PUBLIC UTILITIES DEPARTMENT GROUNDING WITH GROUND RODS DATE: 05-01-05 Page 7 of 7   (DETAIL) 56270-100	Να

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