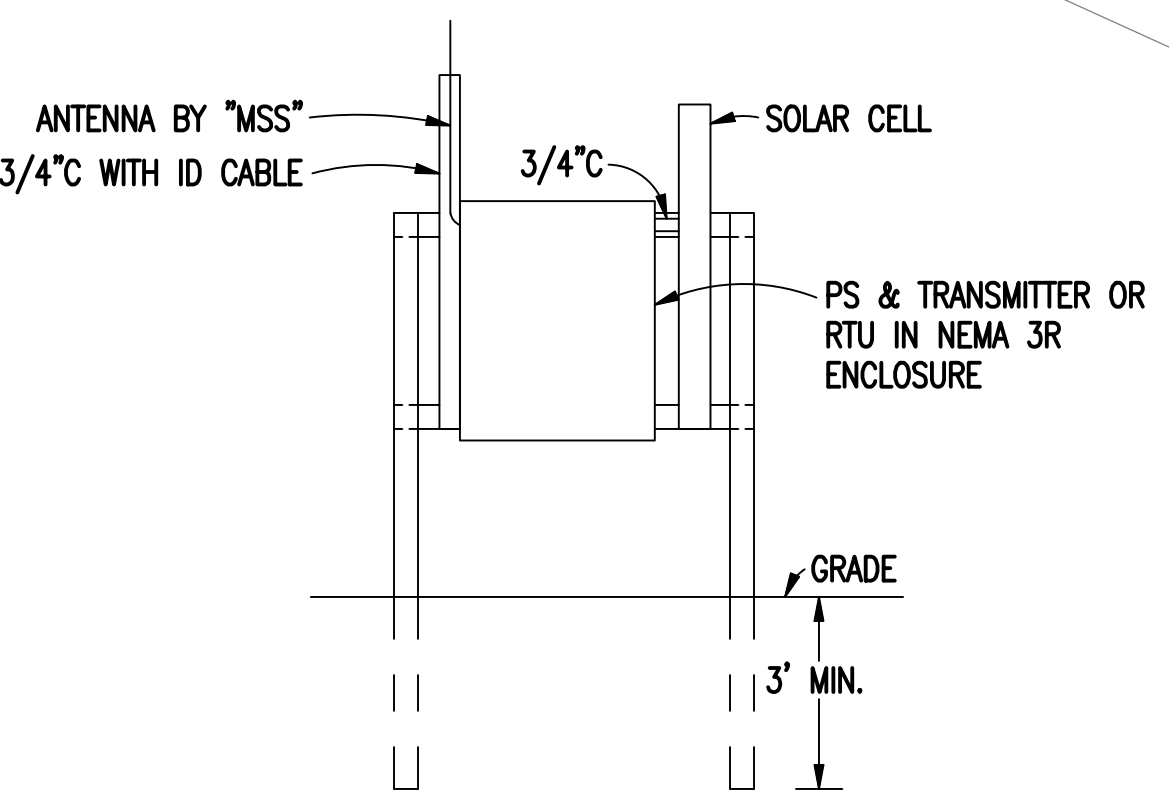
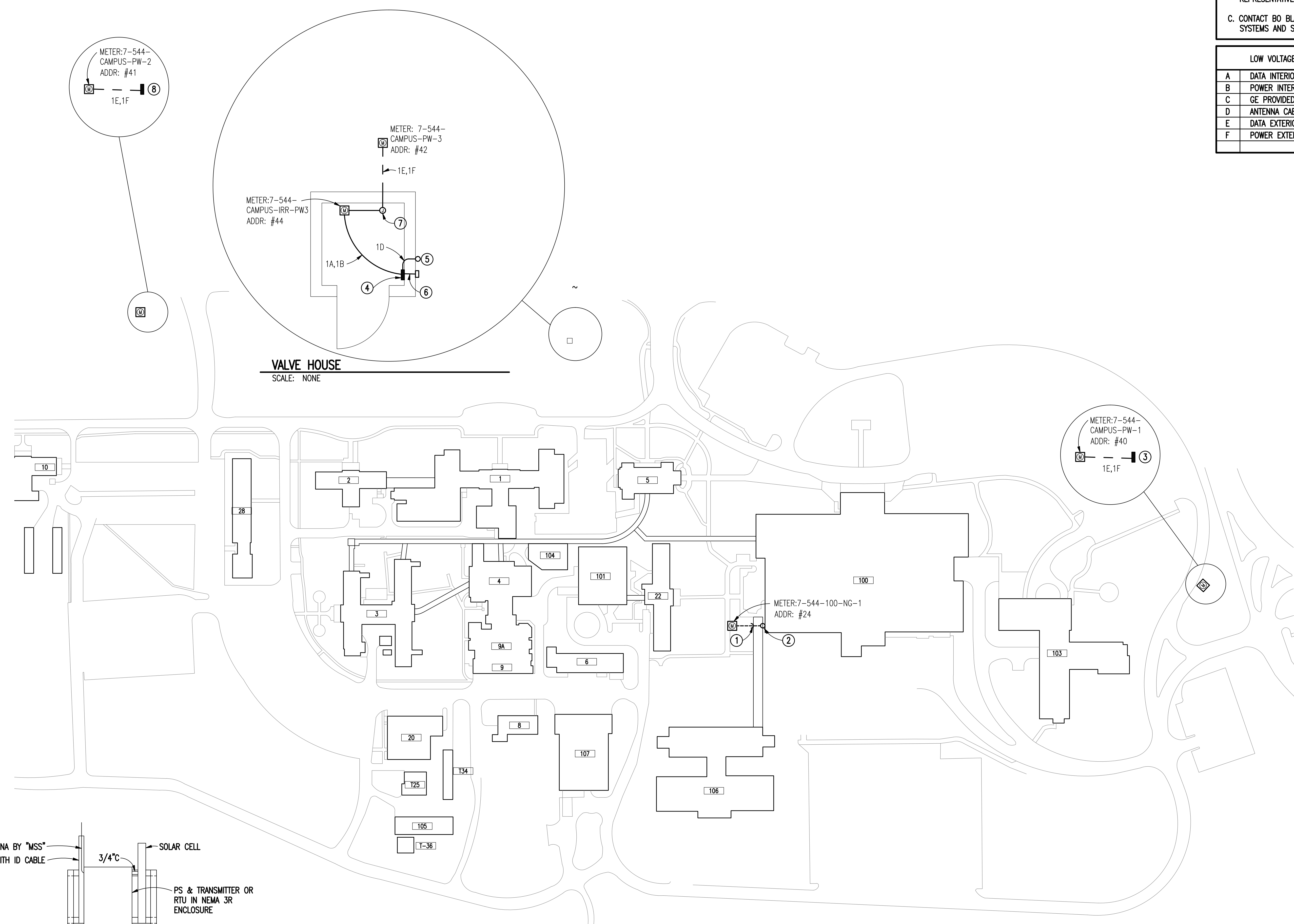


A three inches = one foot
 B one and one-half inches = one foot
 C one inch = one foot
 D three-quarters inch = one foot
 E one-half inch = one foot
 F three-eighths inch = one foot
 G one-quarter inch = one foot
 H one-eighth inch = one foot

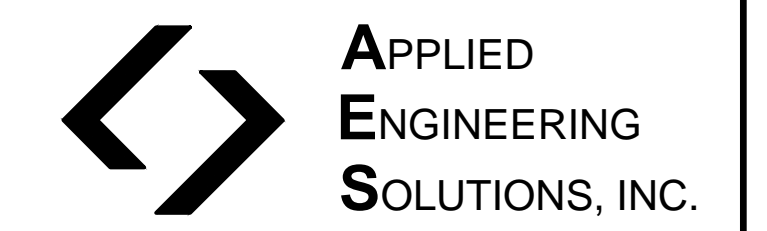
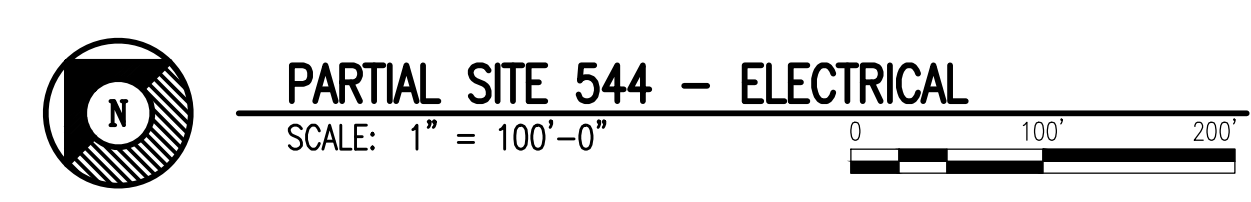
GENERAL NOTES:
 (THIS SHEET ONLY)
 A. ALL CONDUIT SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 B. COORDINATE CONNECTION TO METER AND RTU WITH METER REPRESENTATIVE AND CONTROL SYSTEM REPRESENTATIVE.
 C. CONTACT BO BLAND FOR ALL COORDINATION WITH MECHANICAL SYSTEMS AND SERVICES (MSS).

LOW VOLTAGE WIRE SCHEDULE	
A	DATA INTERIOR = CONNECT AIR W161P-1154
B	POWER INTERIOR = CONNECT AIR W161P-103
C	GE PROVIDED CABLE
D	ANTENNA CABLE PROVIDED BY MSS
E	DATA EXTERIOR = WEST PENN AQ293
F	POWER EXTERIOR = WEST PENN AQ225

- NOTES:**
 (THIS SHEET ONLY)
- ROUTE CONDUIT FROM METER TO BUILDING UNDERGROUND AND TURN UP EXTERIOR WALL OF CORRIDOR. TURN INTO CORRIDOR ABOVE ACCESSIBLE CEILING USING LB FITTING.
 - REFER TO SHEET 7-544-E4.1, NOTE 6, FOR CONTINUATION OF THIS CONDUIT AND CONDUCTORS.
 - RTU CONTROL PANEL TO BE PROVIDED AT THIS LOCATION. PROVIDE A NEMA 3R HINGED, LOCKABLE ENCLOSURE TO HOUSE RTU UNIT. PROVIDE A UNISTRUT STAND AS SHOWN IN DETAIL, THIS SHEET. RTU UNIT IS TO BE POWERED BY A SOLAR CELL. COORDINATE SIZE OF ENCLOSURE WITH MSS. INSTALL TVSS UNIT SUPPLIED BY MSS IN THIS ENCLOSURE.
 - PROVIDE A KELE "PS52-E24" SERIES 120 TO 24 VOLT TRANSFORMER AT THIS LOCATION IN NEMA 1 ENCLOSURE. COORDINATE SIZE OF ENCLOSURE WITH MSS. INSTALL TVSS UNIT SUPPLIED MSS IN THIS ENCLOSURE. THIS ENCLOSURE WILL ALSO HOUSE AND POWER WIRELESS DATA SENDING UNIT PROVIDED BY MSS. THIS SENDER WILL COMMUNICATE WITH WIRELESS RECEIVER UNIT IN BUILDING 5. POWER SHALL BE DAISY CHAINED TO SERVE BOTH THE TRANSFORMER AND THE WIRELESS SENDER IN THIS ENCLOSURE.
 - PROVIDE 3/4"C FROM MSS CONTROL PANEL OUT OF BUILDING AS SHOWN AND UP TO ROOF. A WEATHERHEAD SHALL BE PROVIDED AT THE ROOFLINE FOR THIS CONDUIT.
 - PROVIDE 2#12, #12G, 3/4"C FROM IRRIGATION CONTROLLER TO RTU UNIT FOR POWER.
 - ROUTE CONDUIT OUT OF BUILDING AND BELOW GRADE UTILIZING LB FITTING ON OUTSIDE WALL AND A 411 BOX ON INSIDE WALL. INSTALL A TVSS IN 411 BOX TO SERVE CONDUCTORS EXITING BUILDING. INSTALL TVSS TO BE SUPPLIED BY MSS.
 - PROVIDE A KELE "PS52-E24" SERIES 120 TO 24 VOLT TRANSFORMER AT THIS LOCATION IN NEMA 3R HINGED, LOCKABLE ENCLOSURE. COORDINATE SIZE OF ENCLOSURE WITH MSS. INSTALL TVSS UNIT SUPPLIED MSS IN THIS ENCLOSURE. THIS ENCLOSURE WILL ALSO HOUSE AND POWER WIRELESS DATA SENDING UNIT PROVIDED BY MSS. THIS SENDER WILL COMMUNICATE WITH WIRELESS RECEIVER UNIT IN BUILDING 5. POWER SHALL BE DAISY CHAINED TO SERVE BOTH THE TRANSFORMER AND THE WIRELESS SENDER IN THIS ENCLOSURE. PROVIDE A UNISTRUT STAND AS SHOWN IN DETAIL, THIS SHEET. RTU UNIT IS TO BE POWERED BY A SOLAR CELL.



UNISTRUT MOUNTING FOR RTU
 SCALE: NONE



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Revisions	Date
RECORD DRAWINGS	3-6-2012

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Drawing Title PARTIAL SITE 544 ELECTRICAL		Project Title DESIGN-BUILD UTILITY METERING SYSTEM VISN-7		Date FEBRUARY 2, 2011
Site Number 544	Checked RBP	Drawn SJB	Project No. VA 701-RA-0033	
RECORD DRAWINGS		Location WM. JENNINGS BRYAN DORN VAMC COLUMBIA, SOUTH CAROLINA		DRAWING NO. 7-544-E6.1 Dwg. 14 of 19

Veterans Administration