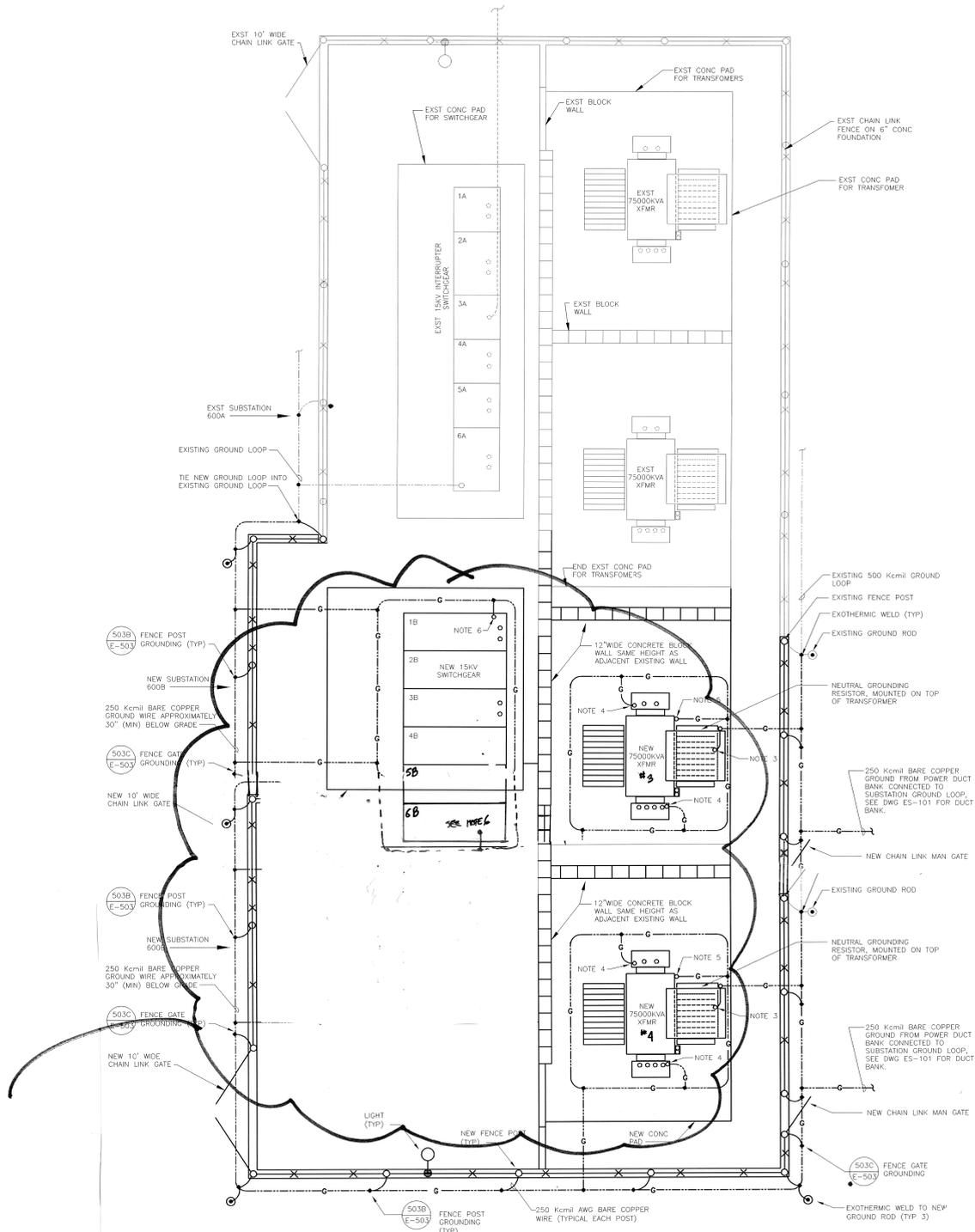


Date (month dd yyyy)	Issued For	Rev
12-07-2007	TITLE # DESIGN 30% REVIEW SUBMITTAL	C
03-28-2008	TITLE # DESIGN 60% REVIEW SUBMITTAL	D
07-31-2008	TITLE # DESIGN 90% REVIEW SUBMITTAL	E
09-25-2008	TITLE # DESIGN 100% OWNER REVIEW	F
02-19-2009	TITLE # CONSTRUCTION BID ISSUE	G



REVISION 1

403A ENLARGED PLAN SITE GROUNDING
ES-101 1/4" = 1'-0"

- NOTES**
1. ALL GROUND WIRES TO SHALL BE 250 Kcmil BARE COPPER U.O.N.
 2. NOT USED.
 3. GROUND RESISTOR ELEMENT TO GROUND LOOP. RUN 250 Kcmil BARE COPPER GROUND WIRE FROM GROUND RESISTOR TO GROUND LOOP SIMILAR TO EXISTING TRANSFORMER.
 4. BOLTED CONNECTION TO GROUND BAR IN AIR TERMINAL BOX.
 5. GROUND TRANSFORMER RAIL.
 6. 250 Kcmil BARE COPPER GROUND WIRE TO SWITCHGEAR GROUND BUS FROM GROUND LOOP.

This drawing has been prepared solely for the use of Brookhaven National Laboratory and there are no representations of any kind made by Giffels, Partnership to any party with whom Giffels, Partnership has not entered into a contract.

This drawing shall not be used for construction purposes until the seal and signature of the responsible registered engineer on the drawing, and proper permit forms and related fees are transmitted by the Owner, Owner's agent or Contractor to the Authority Having Jurisdiction.

UNDER CONTRACT WITH UNITED STATES DEPARTMENT OF ENERGY PLANT ENGINEERING DIVISION UPTON, NEW YORK 11973	
JOB TITLE CENTRAL CHILLED WATER FACILITY PHASE II	DWG. TITLE ENLARGED PLAN SITE GROUNDING
SCALE AS NOTED	SHEET NO. 11705
DATE 08/01/09	SHEET OF 600
DESIGNED BY EA	CHECKED BY RB
DRAWN BY RB	PROJECT NO. SF070003
APPROVED BY R BARTOY	SHEET OF ES-403

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Approved By: R BARTOY
Project Manager: G. KAPLAN
Project Engineer/Architect: R. BOSSERTY