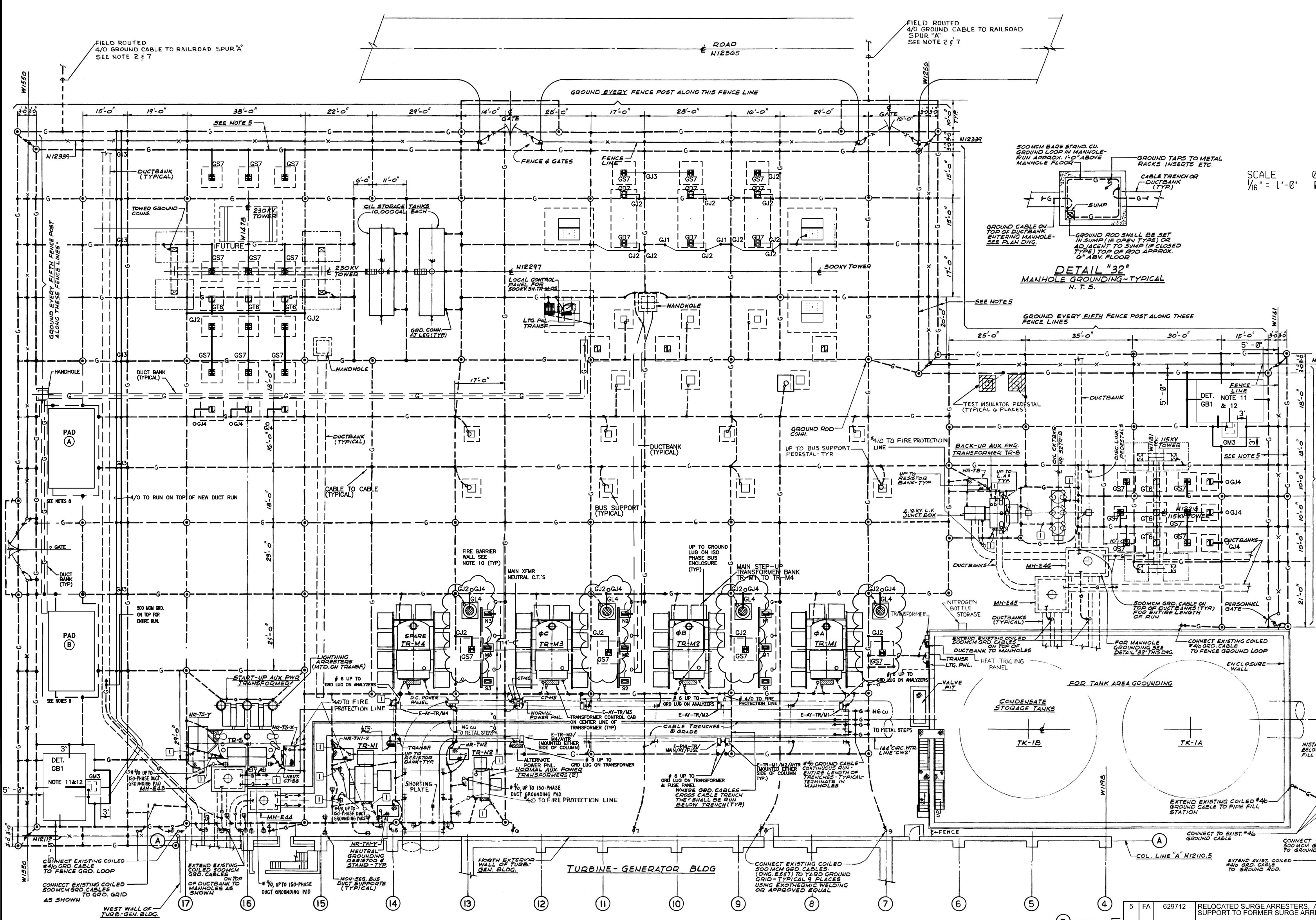
323205-1.DGN / 323205-1.CIT
HYBRID DRAWING - COMPUTER REVISION ONLY
DATE
TRIM LINE



GENERAL NOTES

1. MAIN GROUNDING GRID IN TRANSFORMER YARD SHALL BE 500MCM BARE STRANDED COPPER GROUND CABLE
2. MAIN GROUNDING GRID IN YARD SHALL BE BURIED 30" MINIMUM BELOW GRADE, UNLESS OTHERWISE NOTED
3. GROUND RODS SHALL BE 10 FT. LONG, 5/8" DIA. (COPPERWELD OR APPVD. EQUAL)
4. FOR ELECTRICAL GROUNDING DETAILS
5. FENCE PERIMETER GROUNDING LOOPS SHALL BE 500 MCM BARE STRANDED COPPER CABLES (30" MIN. BELOW GRADE) RUN PARALLEL TO FENCE, 3'-0" INSIDE & 3'-0" OUTSIDE FENCE LINE. CONNECT TO YARD GRID AS SHOWN
6. ELECTRICAL INSTALLATION IN TRANSFORMER YARD SHALL BE CLASSIFIED QUALITY CLASS II
7. BOND ALL EXISTING RAILROAD SPUR TRACKS
8. PADS A & B ARE USED FOR TEMPORARY TRANSFORMER PLACEMENT.
9. DWG INFORMATION ORIGINALLY FROM COLUMBIA GENERATION STATION DWG. E819.
10. GROUNDING OF THE VENDOR SUPPLIED FIRE BARRIER WALL AND COLUMN IS PROVIDED VIA IT'S NEMA TWO HOLE GROUND PAD ATTACHED TO EACH COLUMN. CONNECT A 500MCM BARE STRANDED COPPER GROUND CABLE FROM THE FIRE BARRIER WALL COLUMN TO THE GROUND GRID IN ACCORDANCE WITH E839-1 DETAIL 1.
11. GROUND CABLE CHASE TO GROUND GRID.
12. GROUND VAULT PER DETAIL "GM3".

LEGEND:

1 INDICATES CONNECTION OF DELUGE SPRINKLER SUPPORTS TO GROUND GRID.

- - - - #500 MCM
———— #4/0 CU.

NO.	TYPE	WORK ORDER	DESCRIPTION	ISSUE DATE	POINT OF CONTACT
5	FA	629712	RELOCATED SURGE ARRESTERS, ADDED BUS SUPPORT TO FORMER SURGE ARRESTER PEDESTAL	05/19/2026	JAMES C KELLY

DRAWING NUMBER	SHEET	TITLE
317338	1	B/M ITEMS 1-3 (00358090) C

REFERENCE DRAWINGS

BONNEVILLE POWER ADMINISTRATION
UNITED STATES DEPARTMENT OF ENERGY

COLUMBIA GENERATION STATION
TRANSFORMER YARD
GROUNDING PLAN

SOURCE	SIZE	SERIAL	SHEET	REVISION
SOE	BPA A1	323205	1 OF 1	5