0033318

Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P. O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.

Date: August 23, 1993

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

Transmittal No.: WDOE-563

Dear Mr. Grantham:

TRANSMITTAL

We enclose 2 copy of the items listed below. These are issued per US-DOE request.

Response due to Fluor: N/A
Responds to: A170

NUMBER	REV	DATE	TITLE
DCN NUMBER - 0063	0	08/16/93	DCN TITLE - GROUND TEST WELL "RELEASED FOR CONSTRUCTION"

AUG 1993 RECEIVED EDMC

Distribution:
Reference: FRP-1138, FUP-591
R. L. Long: DOE-RL, w/0
TWP/AME Corresp Cntrl Cntr, MSIN A5-10
(A170 PACKAGE), w/0
P. Felise, WHC-RL (MSIN G6-06), w/1
Environmental Data Management Center
(MSIN H6-08), w/1
D. Duncan, US EPA, Region X, w/0

Very truly yours,

Rosalie Cadenas for/
R. S. Poulter
Project Director

RSP:AT:lh

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 000063	REV 0	PAGE 1 OF 5
DCN TITLE: GROUND TEST WELL		DATE INITIATED: 7-1-93
		PACKAGE NO.: A170

SECTION 1: DESCRIPTION OF CHANGE

ADD GROUND TEST WELL FOR EACH SWITCH BOARD AND SWITCHGEAR GROUNDING

CAUSE OF CHANGE:

- ☐ Field Change Request
- ☐ Supplier Disposition
- ☐ Deficiency Report
- ☒ Design Development
- ☐ Change Request
- ☐ Other _____

N/A
Initiating Document(s)

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

SECTION 2: EVALUATION

ARE ANY OF THE FOLLOWING AFFECTED?		IF "YES", REVIEW REQUIRED BY:	REVIEWER COMMENTS/SIGNATURE/DATE
WAPA	☑ NO ☐ YES		
QUALITY LEVEL I	☑ NO ☐ YES		
SAFETY CLASS 1 OR 2	☑ NO ☐ YES		
SYSTEMS ANALYSES	☑ NO ☐ YES		
MULTI-DISCIPLINE	☑ NO ☐ YES		

DCN Evaluated by: Systems T. SWAN ADM M.H. 7/2/93 Others _____

SECTION 3: APPROVED FOR CONSTRUCTION

KK, JCW / KPH / KKS 7-2-93
Originator Date

M. H. Featherston 7/2/93
Project/Resident Engineer Date

SECTION 4: CONCURRENCE

Edward Jacobs 8-10-93
Project Management Date

David H Wilson 8/12/93
Systems Date

Ram Singh for Ayee 8-12-93
Independent Safety Date

8-10-93
Quality Assurance Date

R P Milewski 8/17/93
Configuration Management Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? ☐ NO ☑ YES

John D Phillips 8/12/93
WHC Date

8.13.93
UCAR Date

Irwin Warren 8/16/93
DOE Date

COMMENTS:

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN -000063	REV 0	DISCIPLINE ELECTRICAL	PKG. NO. A170	PAGE 2

PREPARED BY: KUMAR SRIVASTAVA Date: 7/1/93

DISCIPLINE ENGINEER: [signature] Date: 7-2-93

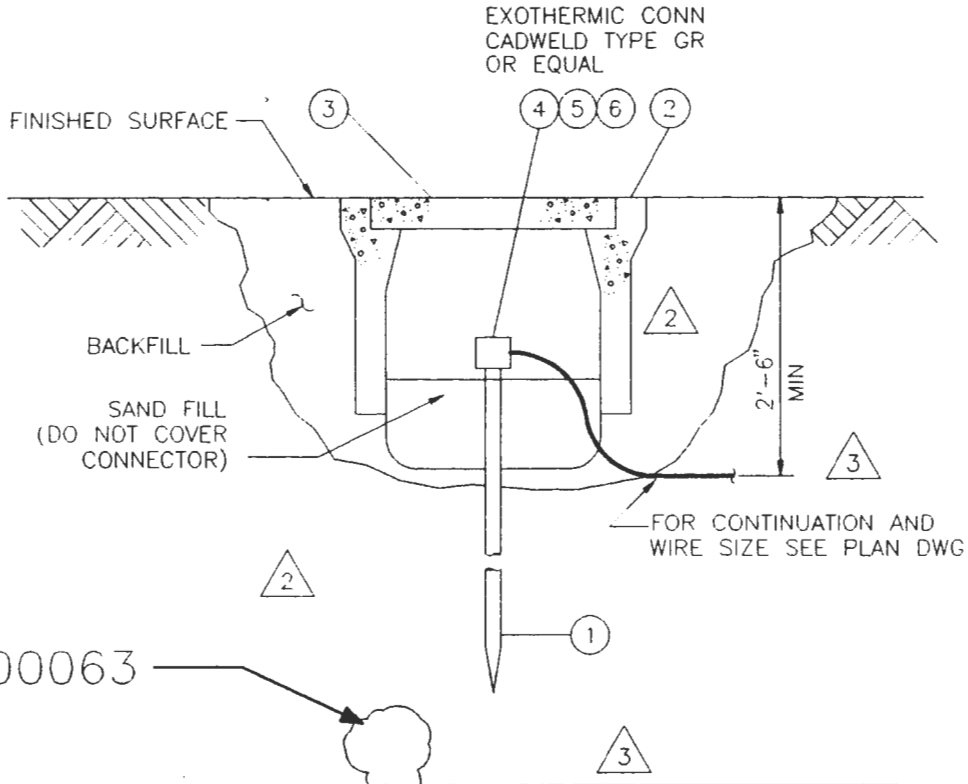
SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-122108	1	3	ELECTRICAL STANDARD ASSEMBLIES AND DETAILS	Y	CHANGED GROUND ROD LENGTH TO 8'-0".
H-2-122134	1	3	ELECTRICAL CONSTRUCTION UTILITIES DETAILS	Y	ADDED GROUND TEST WELL
H-2-122134	2	3	ELECTRICAL CONSTRUCTION UTILITIES DETAILS	Y	ADDED GROUND TEST WELL.

SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED

This section references affected items such as P&IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE



ITEM	DESCRIPTION
1	GROUND ROD, 5/8" X 8'-0", COPPER CLAD
2	CONCRETE GROUND WELL BOX
3	BOX COVER (CONCRETE)
4	CARTRIDGE (IGNITER)
5	MOLD
6	HANDLE

ASSEMBLY G01

GROUND TEST WELL-ONE CONNECTION

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE

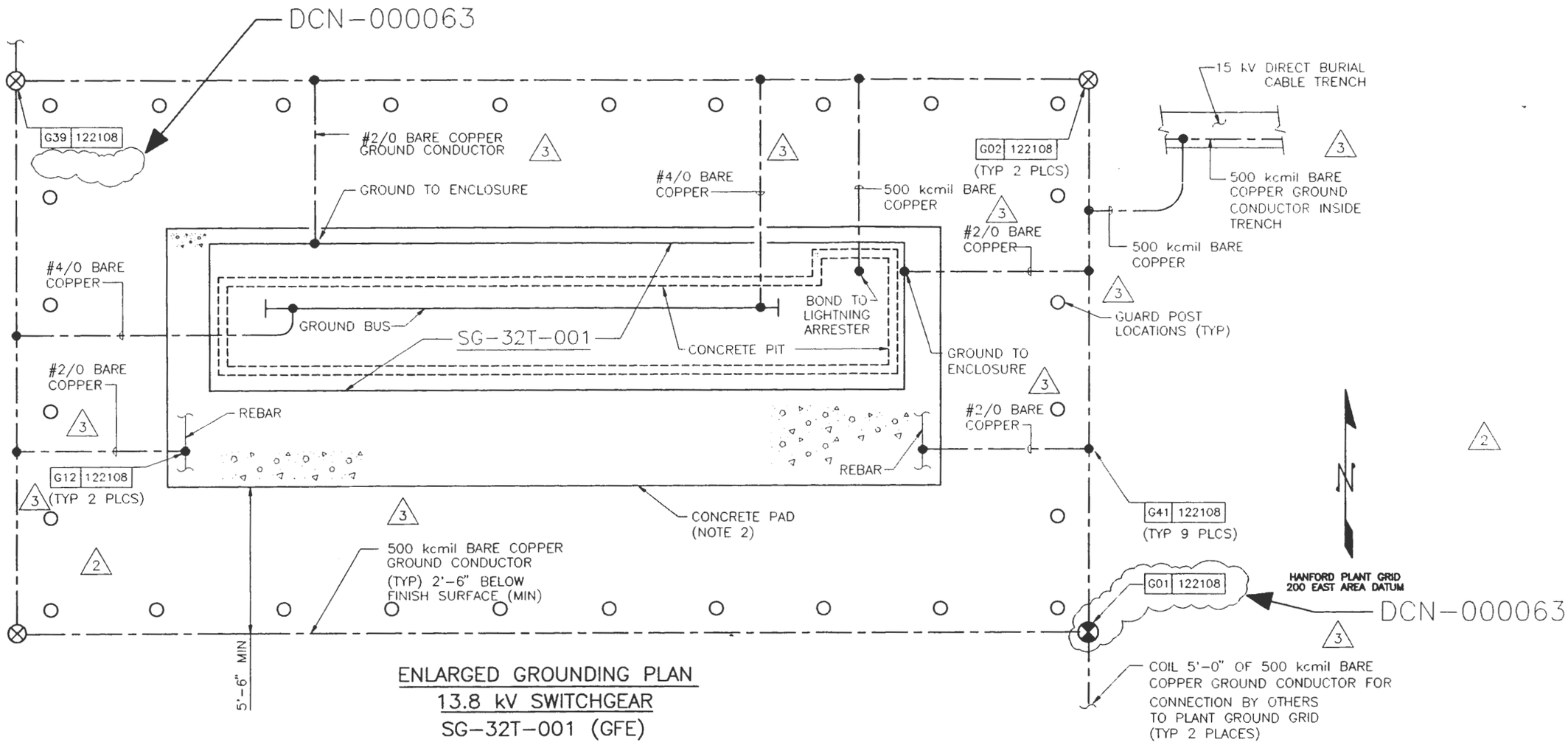
DESCRIPTION OF CHANGE:

A170 CONSTRUCTION UTILITIES
SWITCHBOARD & SWITCHGEAR GROUNDING
ADDED GROUND TEST WELL @ EACH SITE

BASE DOC. NO. H-2-122108
SHT/PG. 1 REV. 3
CR NO.
DISCIPLINE: ELECTRICAL

PREPARED BY:	DATE: 7-01-93	DCN - 000063	REV. 0	PAGE 3
DISCIPLINE ENGINEER:	DATE: 7-01-93			

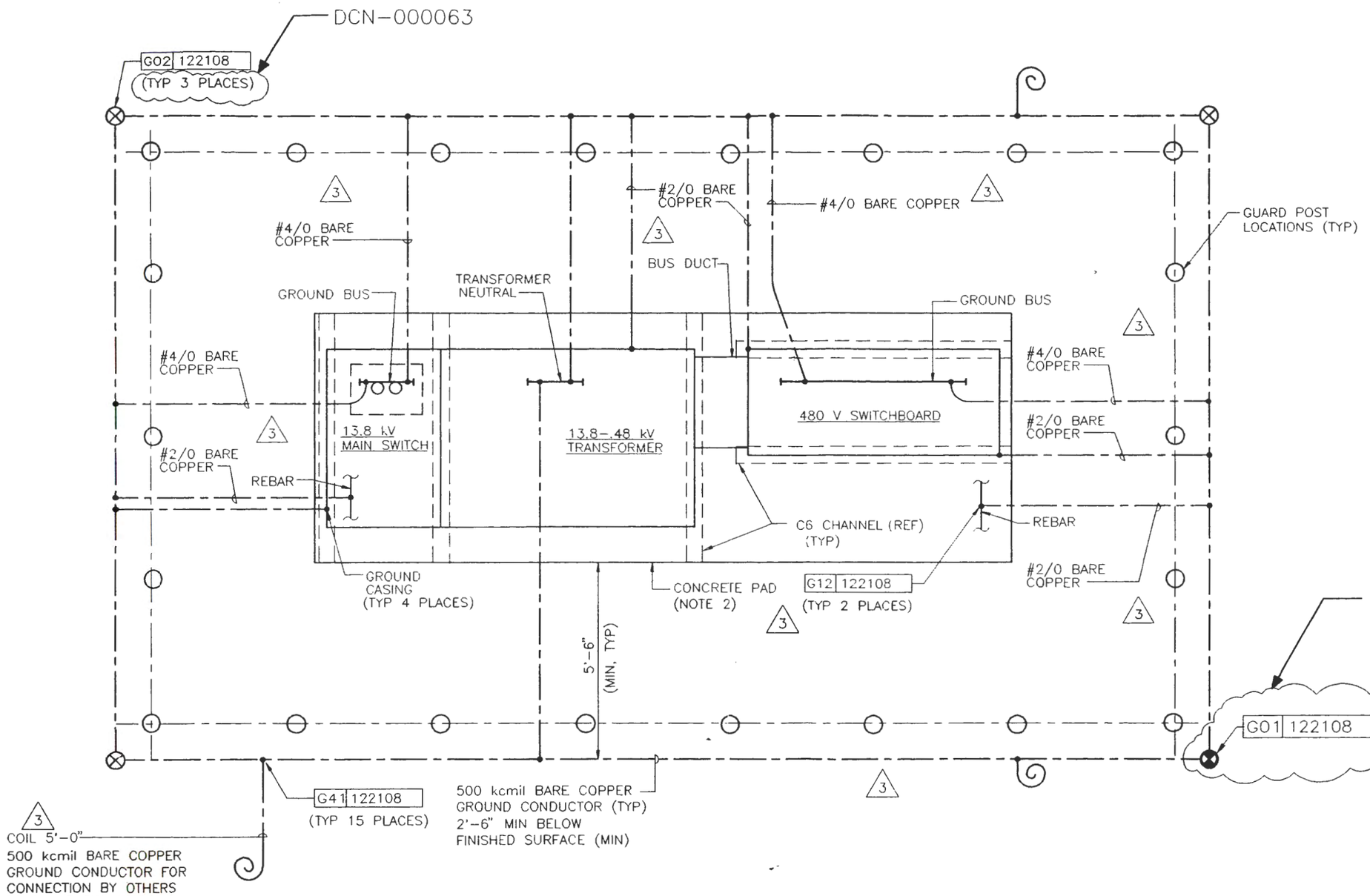
ACAD SP 07-01-93



ENLARGED GROUNDING PLAN
13.8 kV SWITCHGEAR
SG-32T-001 (GFE)

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A170 CONSTRUCTION UTILITIES SWITCHBOARD & SWITCHGEAR GROUNDING ADDED GROUND TEST WELL @ EACH SITE		BASE DOC. NO. H-2-122134 SHT/PG. 1 REV. 3 CR NO. DISCIPLINE: ELECTRICAL
PREPARED BY: H. Spuenda DATE: 7-01-93 DISCIPLINE ENGINEER: K.K. Boodlan DATE: 7-01-93		DCN - 000063 REV. 0 PAGE 4

ACAD HS 7-01-93



ENLARGED GROUNDING PLAN
13.8/.48 kV TRANSFORMER & SWITCHBOARD
(TYPICAL)

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A170 CONSTRUCTION UTILITIES SWITCHBOARD & SWITCHGEAR GROUNDING ADDED GROUND TEST WELL @ EACH SITE		BASE DOC. NO. H-2-122134 SHT/PG. 2 REV. 3 CR NO. DISCIPLINE: ELECTRICAL
PREPARED BY: H. Spuergin DATE: 7-01-93 DISCIPLINE ENGINEER: K.K. Baardsen DATE: 7-01-93		DCN - 000063 REV. 0 PAGE 5

ACAD HS 7-01-93