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0040573 ⁶



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: November 1, 1993

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

Transmittal No.: WDOE- 704

Dear Mr. Grantham:

TRANSMITTAL

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

Approval Reference Review and Comment DCN-RFC

Response due to Fluor: N/A
Responds to: A160 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - #0047	0	10/25/93	DCN TITLE-RE-ROUTING DIRECT BURIAL CABLES "RELEASED FOR CONSTRUCTION"

Reference: FRP-1270, FUP-700

Distribution:

- R. L. Long - DOE-RL, w/0
- TWP/AME Corresp Cntrl Cntr MSIN A5-10 (A160 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,

R.S. Poulter
R.S. Poulter
Project Director

RSP:KKS:lh





FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

9513335.1422

DCN - 0047

REV 0

PAGE 1 OF 5

DCN TITLE
RE-ROUTING DIRECT
BURIAL CABLES

DATE INITIATED
6-15-93
PACKAGE NO.
A160

SECTION 1: DESCRIPTION OF CHANGE

RE-ROUTED DIRECT BURIAL CABLES TO CONSOLIDATE WITH A170 DIRECT BURIAL CABLES UNDER DITCH. PROVIDED 6" SLEEVES FOR CABLES UNDER DITCH. ADDED SECTION "CG", "AJ" FOR CABLES UNDER DITCH. ADDED SECTION "HB" UNDER 7TH STREET CROSSING.

CAUSE OF CHANGE:

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

FRR-00318A
FRR-00323A
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

J.A. [Signature] ADM *[Signature]*

Others

SECTION 3: APPROVED FOR CONSTRUCTION

KK / apm / hke *[Signature]* *9/28/93*
Originator Date

M.H. Featherston *9/30/93*
Project/Resident Engineer Date

SECTION 4: CONCURRENCE

Edward Jacobs *10-5-93*
Project Management Date

John [Signature] *10-7-93*
Systems Date

[Signature] *10-7-93*
Independent Safety Date

[Signature] *10/5/93*
Quality Assurance Date

[Signature] *10/8/93*
Configuration Management Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? NO YES

John [Signature] *10/15/93*
WHC Date

(D) Thompson *10-18-93*
UCAT Date

[Signature] *10/25/93*
DOE Date

COMMENTS:

9513335.1123



FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 0047	REV 0	DISCIPLINE ELECTRICAL	PKG. NO. A160	PAGE 2
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PREPARED BY: KUMAR SRIVASTAVA Date: 6-15-93

DISCIPLINE ENGINEER: *K.K. Srivastava* Date: 9/24/93

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-122086	1	2	UNDERGROUND SECTIONS	Y	ADDED SECTIONS "CG", "AJ" AND "HB".
H-2-122093	1	2	UNDERGROUND CABLE PLAN	Y	PERROUTED CABLES ADDED SECTION CUTS AT DITCH AND 7TH STREET CROSSING.

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
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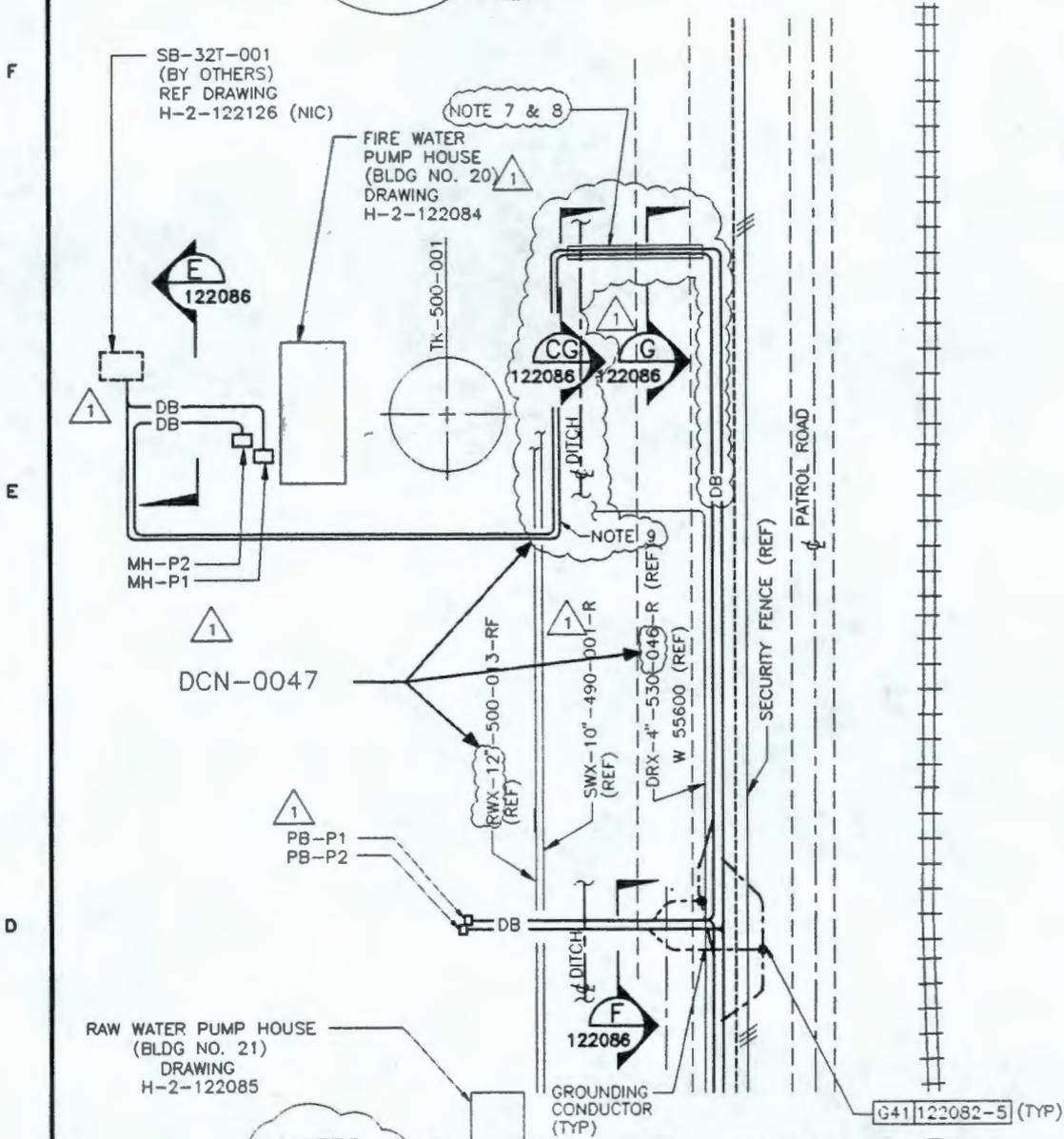
9513335.1424

EXTREME CAUTION SHALL BE TAKEN WHILE EXCAVATING IN ALL AREAS DUE TO UNDERGROUND DIRECT BURIAL CABLES INSTALLED BY OTHERS.

DCN-0047



HANFORD PLANT GRID
200 EAST AREA DATUM

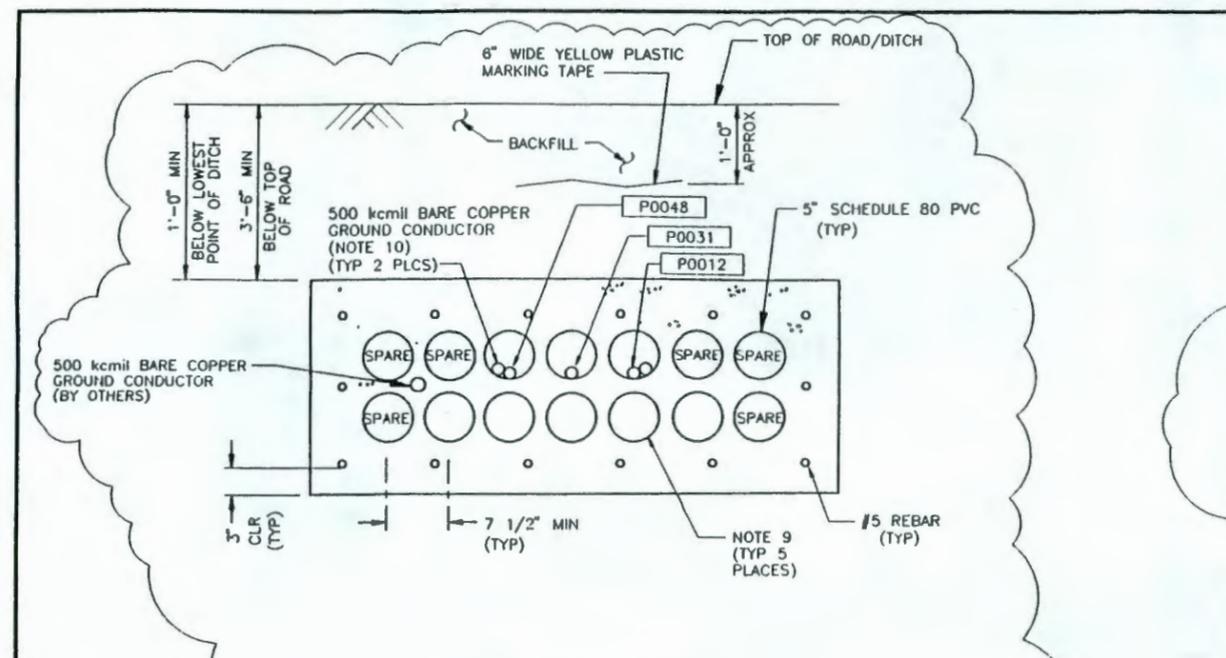


NOTES:

7. FOR ADDITIONAL UNDERGROUND DIRECT BURIAL CABLE IN THIS AREA SEE REF DWG H-2-122126 SH 1. (NIC)
8. CENTERLINE OF EXISTING DITCH & ROAD CROSSING DUCT BANK IS APPROXIMATELY N 42880.
9. CENTERLINE OF TRENCH IS APPROXIMATELY W 55664.

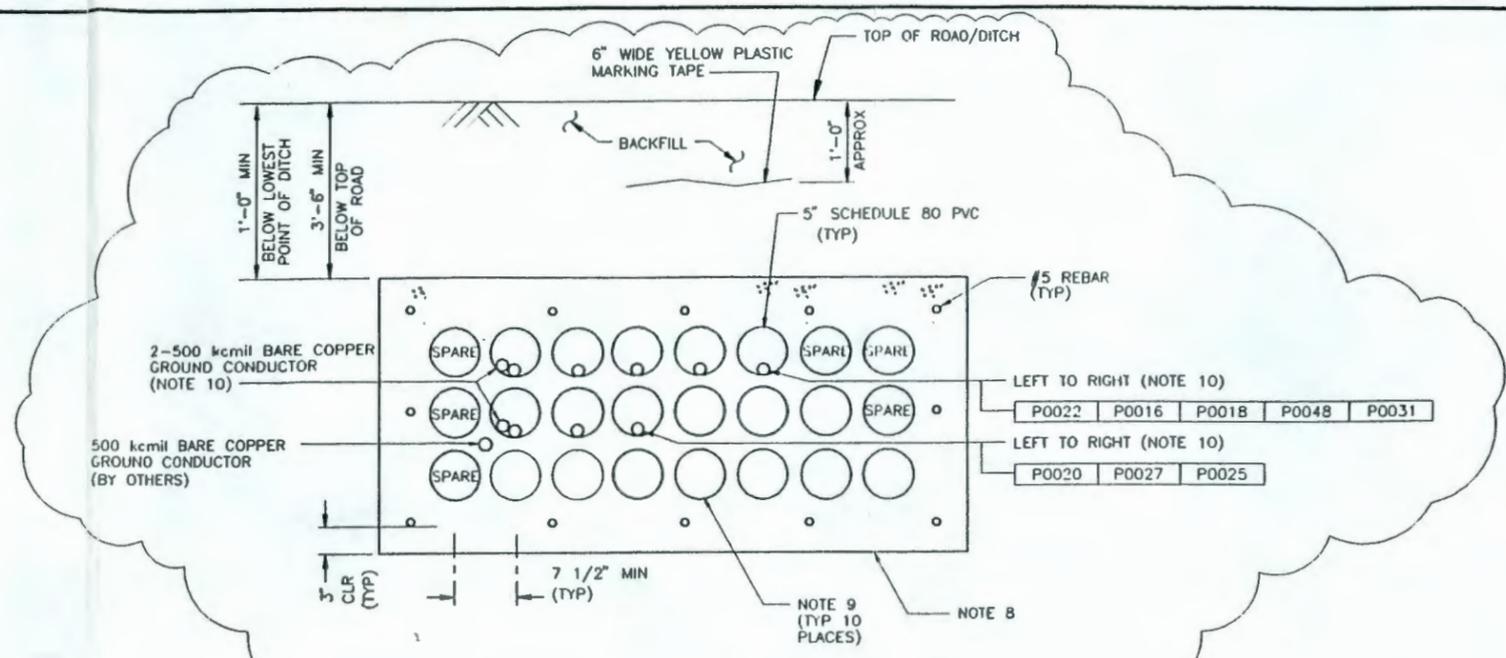
DCN-0047

FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
DESCRIPTION OF CHANGE: UNDER DITCH & ROAD CROSSINGS A160 DIRECT BURIAL CABLE ROUTING ADDED SECTION CUTS @ DITCH/ROAD CROSSINGS				BASE DOC. NO. H-2-122093 SHT/PG. 1 REV. 2 CR NO. DISCIPLINE: ELECTRICAL	
PREPARED BY: <i>H. Spurgin</i>		DATE: 06/09/93		DCN - 0047	REV. 0
DISCIPLINE ENGINEER: <i>K. K. [Signature]</i>		DATE: 9/24/93			



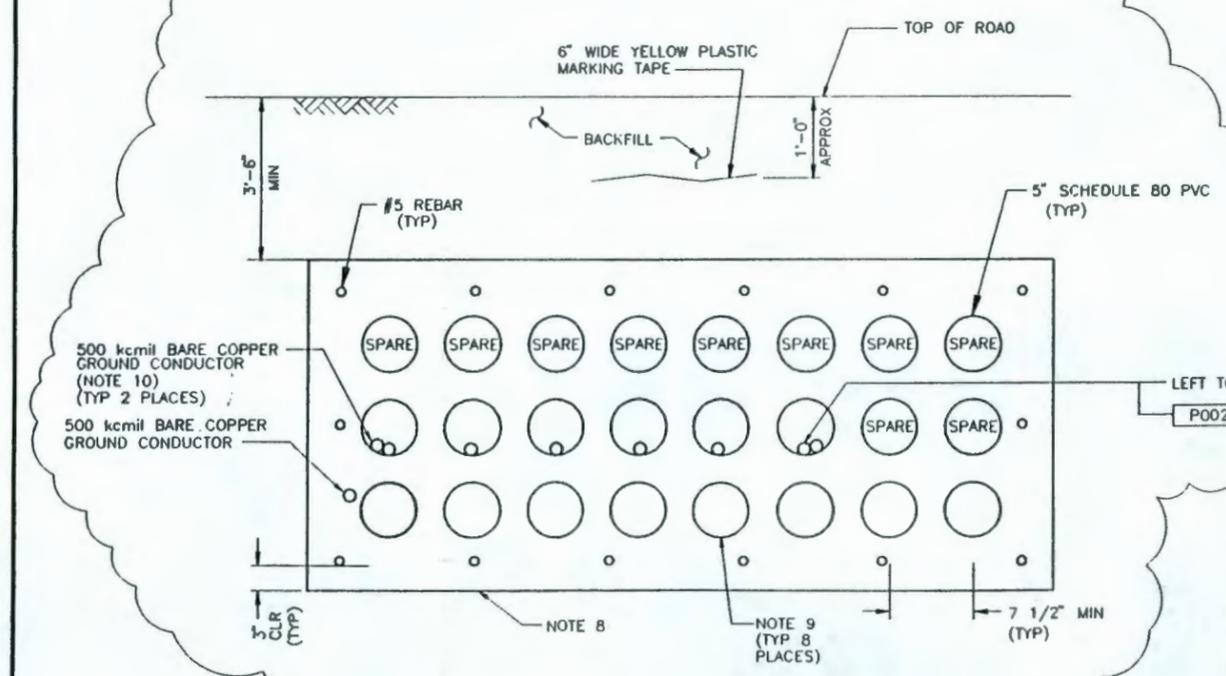
ROAD & DITCH CROSSING

SECTION **CG**
SCALE: NONE
122093



ROAD & DITCH CROSSING

SECTION **AJ**
SCALE: NONE
122093



SEVENTH STREET CROSSING

SECTION **HB**
SCALE: NONE
122093

- NOTES:**
- UNDERGROUND DITCH & ROAD CROSSING DUCT BANKS (CONDUIT SLEEVES) ARE EXISTING (BY OTHERS)
 - DIRECT BURIAL CABLES ARE EXISTING (BY OTHERS). EXTREME CAUTION SHALL BE TAKEN WHILE INSTALLING CABLES IN UNUSED CONDUIT SLEEVES.
 - DIRECT BURIAL CABLES P0012, P0016, P0018, P0020, P0022, P0025, P0027, P0031, P0048 & 500 kcmil BARE COPPER GROUND CONDUCTORS SHALL BE INSTALLED BY THE SELLER.

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE	
		DESCRIPTION OF CHANGE: UNDER DITCH & ROAD CROSSING A160 DIRECT BURIAL CABLE ROUTING ADDED SECTION CUTS @ DITCH/ROAD CROSSINGS	BASE DOC. NO. H-2-122086 SHT/PG. 1 REV. 2 CR NO. DISCIPLINE: ELECTRICAL
PREPARED BY: <i>H. Apuengli</i>	DATE: 06/16/93	DCN - 0047	REV. 0
DISCIPLINE ENGINEER: <i>K. K. Sarwatian</i>	DATE: 9/24/93	PAGE 5	