0032664

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: May 12, 1993

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

Transmittal No.:WDOE-427

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: N/A

NUMBER	REV	DATE	TITLE
DCN-000016	-----	05/11/93	DCN TITLE: DELETE PAVEMENT AND MODIFY IMPROVEMENTS FOR FAB SHOP CWBS A120, PER CR-0881.

Distribution:
Reference:FRP-935, FUP-462
R. L. Long: DOE-RL, w/0
TWP/AME Corresp Cntrl Cntr, MSIN A5-10
(A120 PACKAGE), w/0
P. Felise, WHC-RL (MSIN G6-16), 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
Project Director

RSP:lh

DEC 1993
RECEIVED

U.S. DEPARTMENT OF ENERGY
Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838

FLUOR DANIEL, INC.
Advanced Technology Division
Fluor Contract 8457

HANFORD WASTE VITRIFICATION PLANT DESIGN CHANGE NOTICE (DCN)	DCN NO. 000016	PAGE: 1 OF 4
	DCN TITLE: DELETE PAVEMENT AND MODIFY IMPROVEMENTS FOR FAB SHOP CWBS A120, PER CR 0881	
	ORIGINATOR: H.L. Chang	DATE: 4/28/93

1. DESCRIPTION OF CHANGE (Indicate system affected, as applicable)

a. Delete placement of pavement and concrete aprons adjacent to Fab. Shop as delineated on page 3 attached.

(continued)

2. OTHER AFFECTED DOCUMENTS (*Fill out data below for each affected document*)

- (✓) YES ( ) NO — OTHER AFFECTED DOCUMENTS EXIST AND ARE LISTED ON ATTACHED DCN SUPPLEMENTAL FORM INDICATE REVISION STATUS OF EACH DOCUMENT. THE SOURCE DOCUMENT IS IDENTIFIED AS FOLLOWS: (✓) THIS DCN ( ) THE FOLLOWING DOCUMENT: _____
- ( ) YES (✓) NO — DCN SAFETY EVALUATION REQUIRED? IF APPLICABLE, LIST SOURCE DOCUMENT _____
- ( ) YES (✓) NO — FIRE PROTECTION ISSUES APPLY
- ( ) YES (✓) NO — WAPA ANALYSIS REQUIRED: *ANALYSIS COMPLETE* ( ) YES ( ) NO
- ( ) YES (✓) NO — QUALITY LEVEL *AFFECTED*
- ( ) YES (✓) NO — SAFETY CLASSIFICATION *FORMS AFFECTED*

3. DESIGN APPROVALS

H.L. Chang / H.L. 5/5/93 — ORIGINATOR	4/28/93 — DATE	[signature] — SYSTEMS MANAGER	5/6/93 — DATE
[signature] — CHECKED N/A	5/4/93 — DATE	[signature] — PROJECT ENGINEER	5/5/93 — DATE
DESIGN ENGINEER N/A	DATE	[signature] — INDEPENDENT SAFETY ENGINEER	5/7/93 — DATE
SUPERVISOR N/A	DATE	[signature] — QUALITY ASSURANCE MANAGER	5/7/93 — DATE
[signature] — INDEPENDENT REVIEW ENGINEER	5/5/93 — DATE	[signature] — PROJECT DIRECTOR	5/10/93 — DATE
[signature] — ENGINEERING MANAGER	DATE	WHC N/A	DATE
		UCAT	DATE

4. DCN ISSUE

[signature] — CONFIGURATION MANAGEMENT	5/11/93 — DATE	5/12/93 — DCN ISSUE DATE (BY EDC)

DESCRIPTION OF CHANGE (continued)

b. Relocate security fence and gate between Fab. Shop and GFE Warehouse to cross driveway at coordinate location N43408 +/- per page 3 attached.

c. Install new chain link fence along edge of pavement north of Fab. Shop at coordinate location N43408 +/- per page 3 attached.

d. Delete construction of firewater (FWX) connection to Fab. Shop and connection to pipeline serving fire hydrant at southeast corner of Warehouse per page 4 attached.

e. Install new 6" diameter firewater (FWX) pipeline connecting between fire hydrant at southeast corner of Warehouse and firewater sprinkler line serving Warehouse per page 4 attached.

	Document No.	Sht.	Rev.	Document Name	Description of Change
REF.	H-2-116002	1	1	Overall Site Plan	Change paving adjacent to Fab. Shop, relocate entry gate between GFE Warehouse and Warehouse, install new chain link fence, delete firewater connection to Fab. Shop and reconnect fire hydrant at southwest corner of Warehouse to firewater line serving Warehouse. SEE PG. 3&4.
ATTACHED	H-2-117091	1	1	Civil Site Plan	Relocate security fence and gate between Fab. Shop and GFE Warehouse to cross driveway at coordinate location N43408 +/- per page 3 attached. Install new chain link fence along edge of pavement north of Fab. Shop at coordinate location N43408 +/- per page 3 attached.
REF.	H-2-117093	1	1	Paving Plan	Delete placement of pavement and concrete aprons adjacent to Fab. Shop as delineated on page 3 attached.
ATTACHED	H-2-117095	1	1	Utility Plan	Delete construction of firewater (FWX) connection to Fab. Shop and connection to pipeline serving fire hydrant at southeast corner of Warehouse per page 4 attached. Install new 6" diameter firewater (FWX) pipeline connecting between fire hydrant at southeast corner of Warehouse and firewater sprinkler line serving Warehouse per page 4 attached.

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE *DELETE AND RELOCATE CONSTRUCTION OF SITE IMPROVEMENTS TO FAB SHOP PER CR 0881*

BASE DOC. NO. _____

SHT/PG. _____ REV. _____

Prepared By: *O.T. Chang* Date *4/28/93*

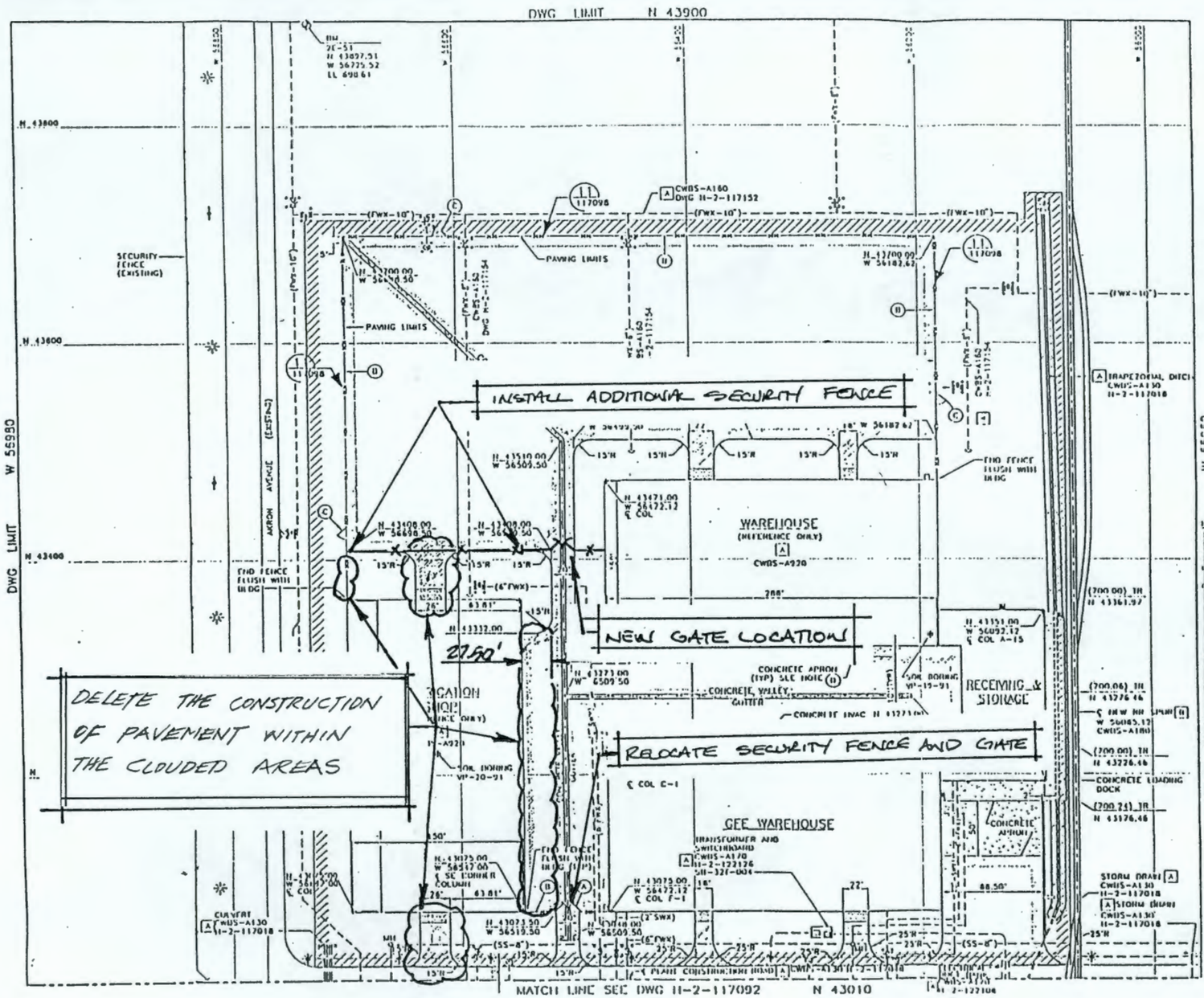
Discipline Engineer: *Bruce R. Crimbring* Date *5/4/93*

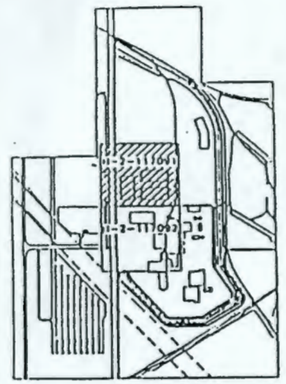
DISCIPLINE: *CIVIL*

DCN — *000016*

REV

PAGE **2**





KEY PLAN
SCALE: NONE

NOTES

1. SEE DRAWING H-2-117090 FOR ABBREVIATIONS, LEGEND AND GENERAL NOTES.

[A] CONSTRUCTED BY OTHERS PRIOR TO OR IN CONJUNCTION WITH THIS WORK.

[B] TO BE CONSTRUCTED BY OTHERS IN FUTURE.

SITE PLAN CONSTRUCTION NOTES

(A) INSTALL 24' SWING GATE IN ACCORDANCE WITH THE

DCN NO. 000016	PAGE 3
DCN TITLE: DELETE PAVEMENT AND MODIFY IMPROVEMENTS FOR FAB SHOP CWBS A120, PER CR 0881	
ORIGINATOR DISCIPLINE: CIVIL	
DESIGN ENGINEER: D. Chang	DATE: 4/21/93
CHECKER: B. Tiemann	DATE: 4/21/93
SUPERVISOR: B. Tiemann	DATE: 4/21/93

SAFETY CLASS 1 (REF)

REFERENCE DRAWINGS	
H-2-117110	CWBS-A130, CIVIL ROADS AND SITE PREPARATION PLAN
H-2-117092	CWBS-A130, DRAINAGE PLAN

APPROVED FOR CONSTRUCTION

U.S. DEPARTMENT OF ENERGY

FLUOR DANIEL, INC. ADVANCED TECHNOLOGY DIVISION

CIVIL SITE PLAN

H-2-117091 | 1 | 1 | 0

C2 ACAD

DELETE THE CONSTRUCTION OF FWX AND RWX LINES WITHIN THE CLOUDED AREA

NOTE: RECONNECT FIRE HYDRANT PIPING AS SHOWN

DWG LIMIT

N 43900

N 43800

N 43400

N 43200

N 43010

W 55950

WAREHOUSE (REFERENCE ONLY) FF 701.00 [A] CWBS-A920

FABRICATION SHOP (REFERENCE ONLY) FF 700.00 [A]

SEE WAREHOUSE FF 701.00

RECEIVING & STORAGE FF 701.00

CONCRETE APRON (TYP)

HVAC EQUIPMENT PAD

SOIL BORING VP-20-91

SOIL BORING VP-19-91

TRANSFORMER AND SWITCHGEAR CWBS-A170 H-2-118067 SD-321-1004

MH NO. 3

MH NO. 4

(FWX-10")

(SS-8")

(DD-10")

10" UNI TYP

MATCH LINE SEE DWG H-2-117096

[A] CWBS-A180 H-2-117157

[A] CWBS-A180 H-2-117158

[A] CWBS-A170 H-2-122126

[A] ELECTRICAL DUCT BANK CWBS-A170 H-2-122126

[A] CWBS-A180 H-2-117018

[A] CWBS-A180 H-2-117018

BENCHMARK DATA

[A] N 43015.0 W 56264.0 EL(N) 694.30 EL(S) 694.63 EL(W) 694.63 EL(E) 694.50 RIM EL 702.1

INC-H POINT & OF VALVE COORDINATES		VIVENT ELEVATION
1	N 43033.0 W 56161.0	700.1
2	N 43033.0 W 56183.5	699.8
3	N 43033.0 W 56159.0	699.7
4	N 43033.0 W 56272.0	696.8
5	N 43078.0 W 56275.0	697.0

HANFORD PLANT GRID 200 EAST NAD A DATUM

0 20 40 80 120 160 200

GRAPHIC SCALE 1" = 40'

KEY PLAN
SCALE: NONE

NOTES

1. SEE DRAWING H-2-117000 FOR ABBREVIATIONS, LEGEND AND GENERAL NOTES.

[A] CONSTRUCTED BY OTHERS PRIOR TO OR IN CONJUNCTION WITH THIS WORK.

CONSTRUCTION NOTES

(A) SANITARY SEWER TIE-IN POINT AT THE SEWER MANHOLE BLOCK OUT PROVIDED. (FINAL PIPE SIZE TO BE ESTABLISHED BY SELLER).

(B) INSTALL 8"ø FIRE WATER LINE (FINAL PIPE ROUTE TO BE ESTABLISHED BY SELLER).

(C) INSTALL 3"ø SANITARY WATER LINE (FINAL PIPE ROUTE TO BE ESTABLISHED BY SELLER).

(D) TRANSFORMER AND SWITCHGEAR TO BE SOLD BY OTHERS

DCN NO. 000016	PAGE 4

DCN TITLE: DELETE PAVEMENT AND MODIFY IMPROVEMENTS FOR FAB SHOP CWBS A120, PER CR 0881

ORIGINATOR DISCIPLINE: CIVIL

DESIGN ENGINEER: D Chang DATE: 4/21/93

CHECKER: B. Cisneros DATE: 4/21/93

SUPERVISOR: B. Cisneros DATE: 4/21/93

SAFETY CLASS 3 (REF)

B	4/21/93	APPROVED FOR CONSTRUCTION	ME	MA	[illegible]	
			EJ	FKH	MP	EP

B117095A

ENGINEERING RELEASE

DES. DATE

ENG.

U.S. DEPARTMENT OF ENERGY

FLUOR DANIEL, INC. ADVANCED TECHNOLOGY DIVISION

CIVIL UTILITY PLAN

HANFORD DATE VERIFICATION PLANE

D=221 E=332 N=A120

NONE

F. REVES 4/21/93

NONE NOT NEEDED

H-2-117095 1 1 0

H-2-117018	CWBS-A120, CIVIL ROADS AND SITE PREPARATION PLAN	
H-2-117093	CWBS-A120, GRADING PLAN	
H-2-117152	CWBS-A180, CIVIL UNDERGROUND UTILITY PLAN	
H-2-117155	CWBS-A180, CIVIL UNDERGROUND UTILITY PLAN	

REFERENCE DRAWINGS

NEXT USED ON

C6 ACAD

4/21/93