9513558.0282

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: March 30, 1994

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

Transmittal No.: WDOE-908

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 [X] DCN-RFC

Response due to Fluor: N/A
Responds to: A130 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - #0067	1	3/24/94	DCN TITLE: **ROUTE 4S INTERSECTION FOR TOB PARKING LOT** "RELEASED FOR CONSTRUCTION"

Reference: FRP-1426, FUP-843
Distribution:
R. L. Long - DOE-RL, w/0
TWP/AME Corresp Cntrl Cntr MSIN A5-10
(A130 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
M. D. Talbot, WHC - w/0

APR 1994
RECEIVED
EPIC

Very truly yours,

Nazy Eshraghi for/

R.S. Poulter
Project Director

RSP:BRE:nre

9358.0265

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN – 0067	REV 1	PAGE 1 OF 14
DCN TITLE: ROUTE 4S INTERSECTION FOR TOB PARKING LOT		DATE INITIATED: 2/9/94
		PACKAGE NO.: CWBS A130

SECTION 1: DESCRIPTION OF CHANGE

CONSTRUCT STREET INTERSECTION AND WIDEN ROUTE 4S TO PROVIDE ACCESS TO TOB PARKING LOT. THIS DCN INCLUDES PAVEMENT WIDENING, TRAFFIC STRIPING AND TRAFFIC SIGNAGE FOR THE INTERSECTION. CHANGES AFFECT THE LIMITS OF DRAWINGS H-2-117013 AND H-2-117027 WHICH WILL BE INCORPORATED BY ADDING ADDITIONAL SHEETS TO THESE DRAWINGS.

REVISION 1: REPLACE ROUTE 4S 35 MPH MANDATORY SPEED LIMIT SIGNAGE WITH 35 MPH WARNING SIGNS AND ADD "T" INTERSECTION AND "THRU TRAFFIC MERGE LEFT" SIGNS.

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

CAUSE OF CHANGE:

- [x] Field Change Request
- [ ] Supplier Disposition
- [ ] Deficiency Report
- [ ] Design Development
- [x] Change Request
- [ ] TBD/Hold
- [ ] Other _____

Initiating Document(s)
HWVP CR0975
ICR NO. 00301
FRR NO. 00750A

SECTION 2: EVALUATION

			IF "YES", ADDITIONAL REVIEW REQUIRED BY:	REVIEWER COMMENTS AND SIGNATURE/DATE
WAPA DWG/SPEC?	[x] NO	[ ] YES		
QUALITY LEVEL I DWG/SPEC?	[x] NO	[ ] YES		
SAFETY CLASS 1 OR 2 DWG/SPEC?	[x] NO	[ ] YES		
SYSTEMS ANALYSES AFFECTED?	[x] NO	[ ] YES		
MULTI-DISCIPLINE CHANGE?	[x] NO	[ ] YES		

DCN Evaluated by: Systems D Snyder 2/9/94 ADM A. Clove Others _____

SECTION 3: APPROVED FOR CONSTRUCTION

Bruce K. Crisenbery 2/9/94
Originator Date

P.J. Bedell by A. Clove 2/9/94
Project/Resident Engineer Date

SECTION 4: CONCURRENCE

3-8-94
Project Management Date

James E. Savage 3-9-94
Systems Date

3-9-94
Independent Safety Date

3-8-94
Quality Assurance Date

Fran Stokes 3-9-94
Configuration Management Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? [ ] NO [x] YES

3-29-94
WHC Date

3-21-94
UCAT Date

3/29/94
DOE Date

COMMENTS:

FLUOR DANIEL 9513358.0284

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN – 0067

REV	DISCIPLINE	PKG. NO.	PAGE
1	CIVIL	A130	2

PREPARED BY: B. Tri[illegible] Date: 2/9/94

DISCIPLINE ENGINEER: B. Tri[illegible] Date: 2/9/94

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-117013	1	1	CIVIL, ROADS AND SITE PREPARATION PLAN	Y	WIDEN ROUTE 4S FROM STATION N43202 TO STATION N44550 REV 1: REVISED SECTION AND DETAIL CALLOUTS, (DCN PAGE 4).
H-2-117013	2	(NEW SHT)	CIVIL, PLAN AND SITE PREPARATION PLAN	Y	WIDEN ROUTE 4S FROM STATION N43202 TO STATION N 44550 REV 1: REVISED SECTION CALLOUT (DCN PAGE 5) AND DELETED SIGNAGE DETAIL 14 AT STA 1+00, NORTHBOUND SIDE (DCN PAGE 6).
H-2-117027	1	1	CIVIL, HIGHWAY TURNOUT SITE PREPARATION DETAIL	Y	ADDED STRIPING AND SIGNAGE REV 1: SIGNAGE DETAIL NO. STATION DIRECTION DELETED (DCN PAGE 7): 6 20+00 NORTHBOUND 13 23+00 NORTHBOUND 14 23+00 SOUTHBOUND ADDED (DCN PAGE 7): 6&15 8+00 NORTHBOUND 13 18+00 NORTHBOUND ALSO, ADDED NOTE TO CLARIFY STATIONING REFERENCE.
H-2-117027	2	(NEW SHT)	CIVIL, HIGHWAY TURNOUT SITE PREPARATION DETAIL	Y	ADDED STRIPING AND SIGNAGE REV 1: SIGNAGE DETAIL NO. STATION DIRECTION ADDED (DCN PAGE 8): 13 15+00 NORTHBOUND 14 13+50 SOUTHBOUND ALSO, REVISED SECTION CALLOUTS AND ADDED NOTE TO CLARIFY STATIONING REFERENCE. DELETED (DCN PAGE 9): 14 1+00 NORTHBOUND ADDED (DCN PAGE 9): 6&14 2+00 SOUTHBOUND ALSO, REVISED SECTION CALLOUTS AND ADDED NOTE TO CLARIFY STATIONING REFERENCE.

(CONTINUED ON PAGE 3)

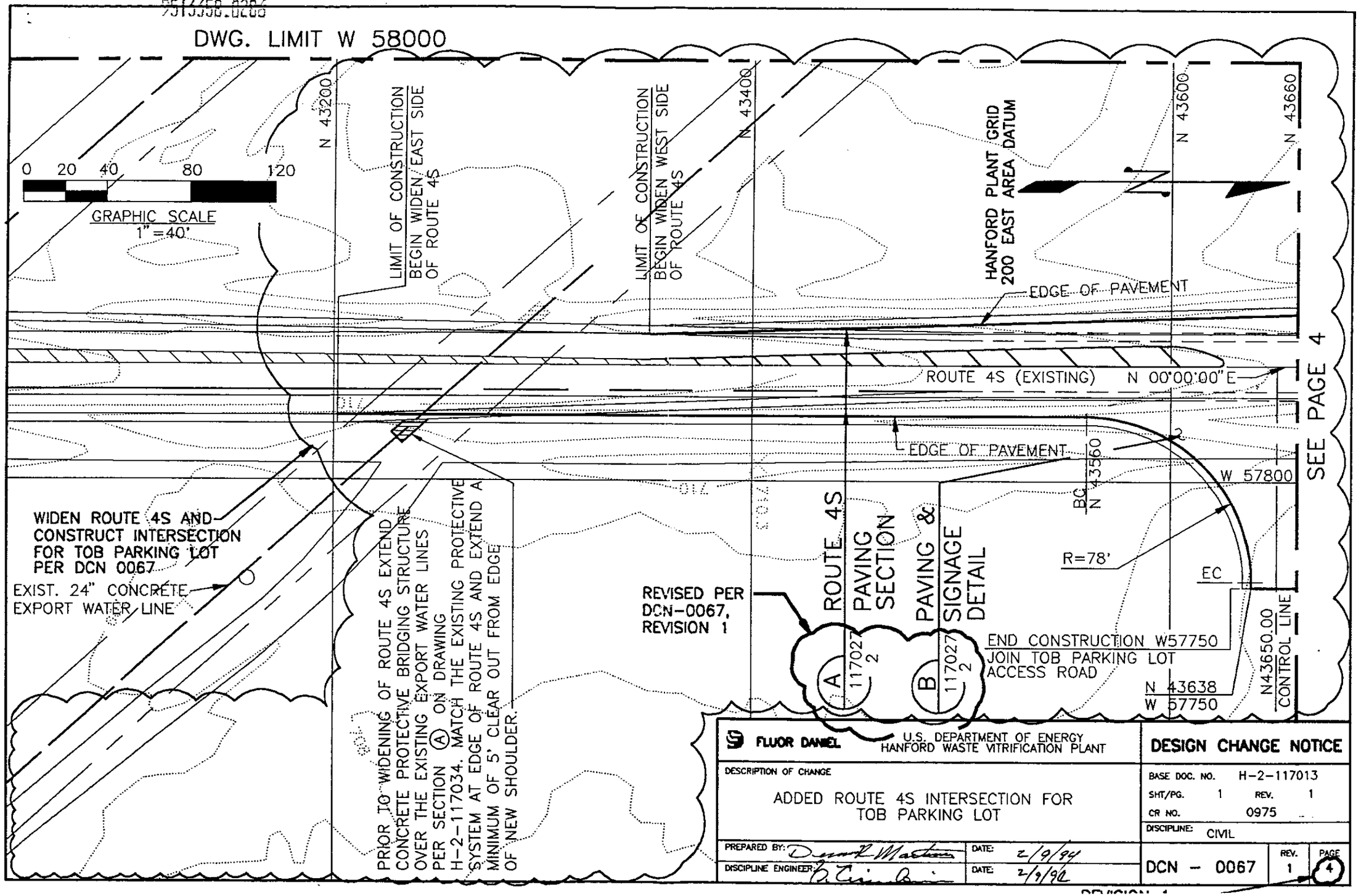
SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-117027	2	(NEW SHT)	CIVIL, HIGHWAY TURNOUT SITE PREPARATION DETAIL	Y	(CONTINUED FROM PAGE 2) REV 1: REVISED SECTION CALLOUT (DCN PAGE 10). REVISED SECTION CALLOUT (DCN PAGE 11).
H-2-117028	1	1	CIVIL, SITE PREPARATION STRIPING AND SIGNAGE DETAILS	Y	ADDED SIGNAGE DETAILS REV 1: DCN-0067 PAGE 12, REVISED SIGN DETAIL 13 PAGE 13, REVISED SIGN DETAIL 6 PAGE 14, REVISED SIGN DETAIL 14

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
NONE				


DWG. LIMIT W 58000
0 20 40 80 120
GRAPHIC SCALE
1" = 40'
N 43200
N 43400
N 43600
N 43660
LIMIT OF CONSTRUCTION
BEGIN WIDEN EAST SIDE
OF ROUTE 4S
LIMIT OF CONSTRUCTION
BEGIN WIDEN WEST SIDE
OF ROUTE 4S
HANFORD PLANT GRID
200 EAST AREA DATUM
EDGE OF PAVEMENT
ROUTE 4S (EXISTING) N 00°00'00" E
EDGE OF PAVEMENT
SEE PAGE 4
W 57800
BC
N 43560
R=78'
EC
WIDEN ROUTE 4S AND
CONSTRUCT INTERSECTION
FOR TOB PARKING LOT
PER DCN 0067
EXIST. 24" CONCRETE
EXPORT WATER LINE
REVISED PER
DCN-0067,
REVISION 1
ROUTE 4S PAVING SECTION
PAVING & SIGNAGE DETAIL
A 117027 2
B 117027 2
END CONSTRUCTION W57750
JOIN TOB PARKING LOT
ACCESS ROAD
N 43638
W 57750
N43650.00
CONTROL LINE
PRIOR TO WIDENING OF ROUTE 4S EXTEND
CONCRETE PROTECTIVE BRIDGING STRUCTURE
OVER THE EXISTING EXPORT WATER LINES
PER SECTION (A) ON DRAWING
H-2-117034. MATCH THE EXISTING PROTECTIVE
SYSTEM AT EDGE OF ROUTE 4S AND EXTEND A
MINIMUM OF 5' CLEAR OUT FROM EDGE
OF NEW SHOULDER.
FLUOR DANIEL
U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT
DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE
ADDED ROUTE 4S INTERSECTION FOR
TOB PARKING LOT
BASE DOC. NO. H-2-117013
SHT/PG. 1 REV. 1
CR NO. 0975
DISCIPLINE: CIVIL
PREPARED BY:
DATE: 2/9/94
DISCIPLINE ENGINEER:
DATE: 2/9/94
DCN - 0067
REV. 1
PAGE 4

9513358.0287

DWG. LIMIT W 58000

NOTE:
THE INFORMATION CONTAINED ON THIS PAGE TO BE INCLUDED ON SHEET 2 OF DRAWING H-2-117013 WHICH WILL BE ADDED AT THE NEXT REVISION.

N 43660

N 43800

N 44000

N 44200

HANFORD PLANT GRID
200 EAST AREA DATUM

SEE PAGE 3

SEE PAGE 5

EDGE OF PAVEMENT

4' 12' 12' 12' 12' 4'

℄ ROUTE 4S (EXISTING)
N 00°00'00" E

EDGE OF PAVEMENT

BC

EC N 43752

END CONSTRUCTION W57750
JOIN TOB PARKING LOT
ACCESS ROAD

N 43674.00
W 57750.00

WIDEN ROUTE 4S AND
CONSTRUCT INTERSECTION FOR
TOB PARKING LOT
PER DCN 0067

ROUTE 4S PAVING SECTION

A 117027 2

REVISED
PER DCN-0067
REVISION 1

0 20 40 80 120
GRAPHIC SCALE
1" = 40'

N 44250
W 57829
STA. 4+00.00
END ROAD TAPER-EAST

FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE

ADDED ROUTE 4S INTERSECTION FOR
TOB PARKING LOT

BASE DOC. NO.	H-2-117013
SHT/PG.	2
REV.	NA
CR NO.	0975
DISCIPLINE:	CIVIL

PREPARED BY: Dennis Martin DATE: 2/9/94

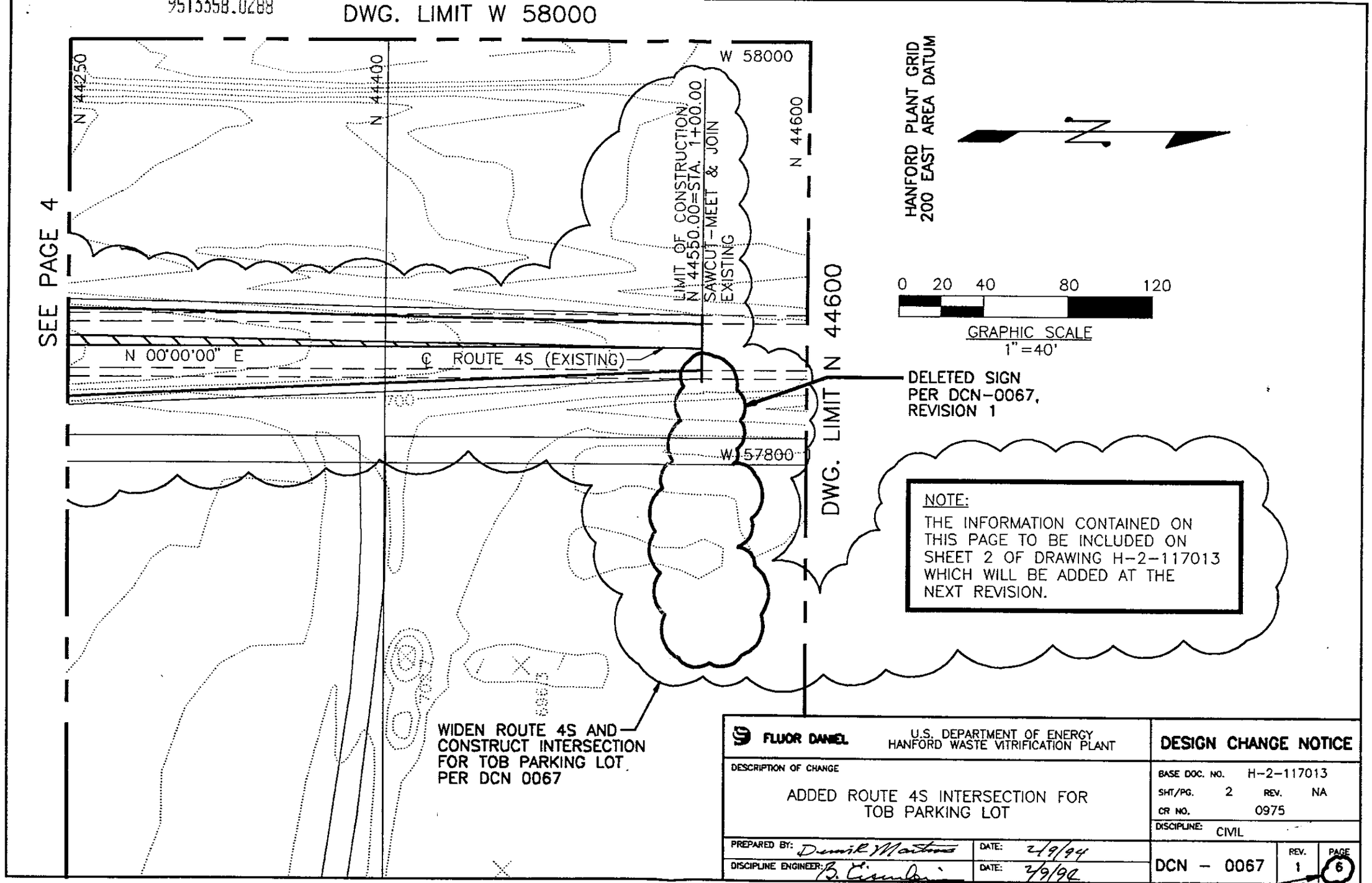
DISCIPLINE ENGINEER: B. Cienbien DATE: 2/9/94

DCN - 0067 | REV. 1 | PAGE 5

REVISION 1

DRM

9513358.0288



FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE

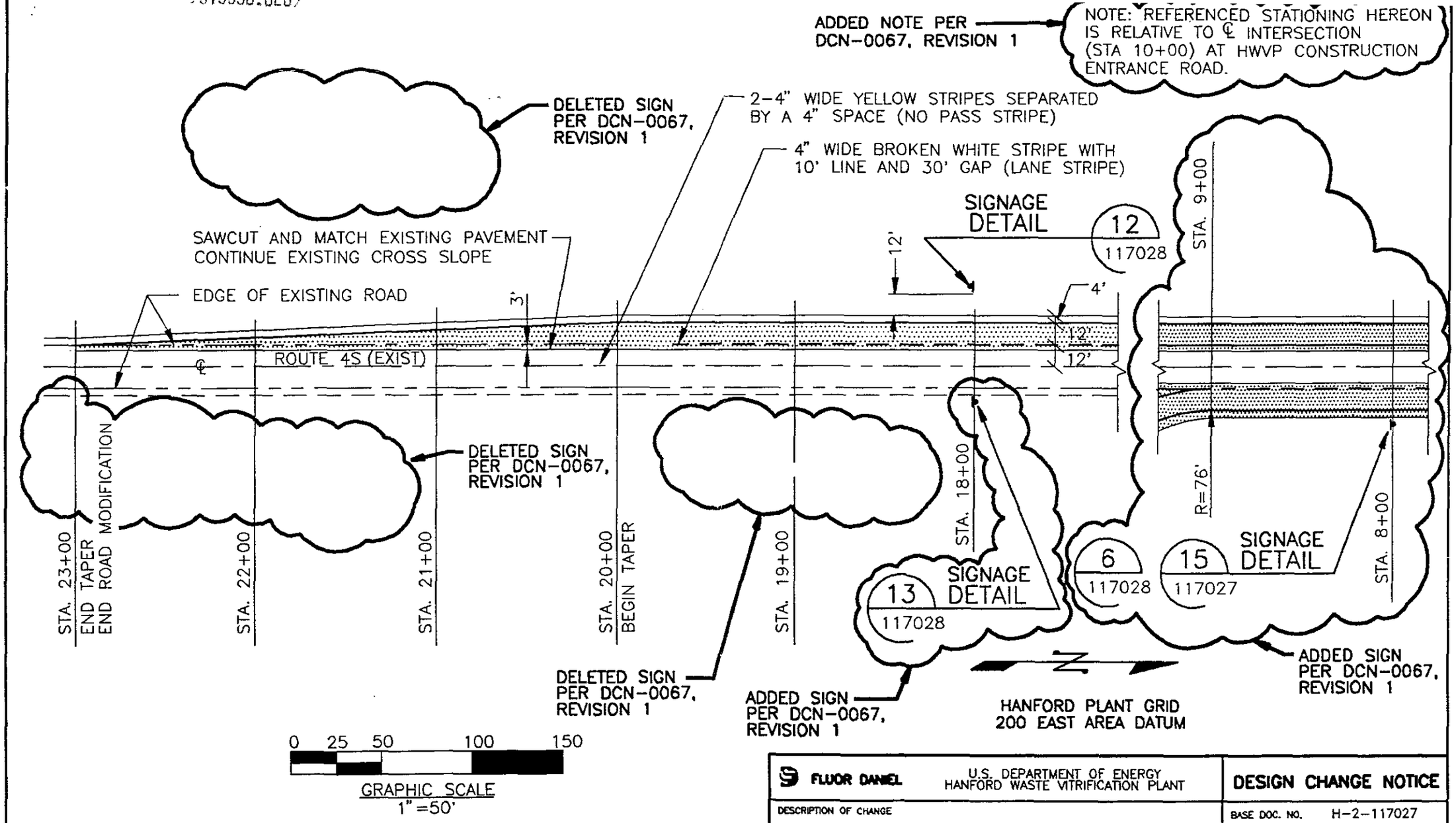
ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT

BASE DOC. NO. H-2-117013
SHT/PG. 2 REV. NA
CR NO. 0975
DISCIPLINE: CIVIL

PREPARED BY: Dennis Mastro DATE: 2/9/94
DISCIPLINE ENGINEER: B. Eisenbeis DATE: 2/9/94

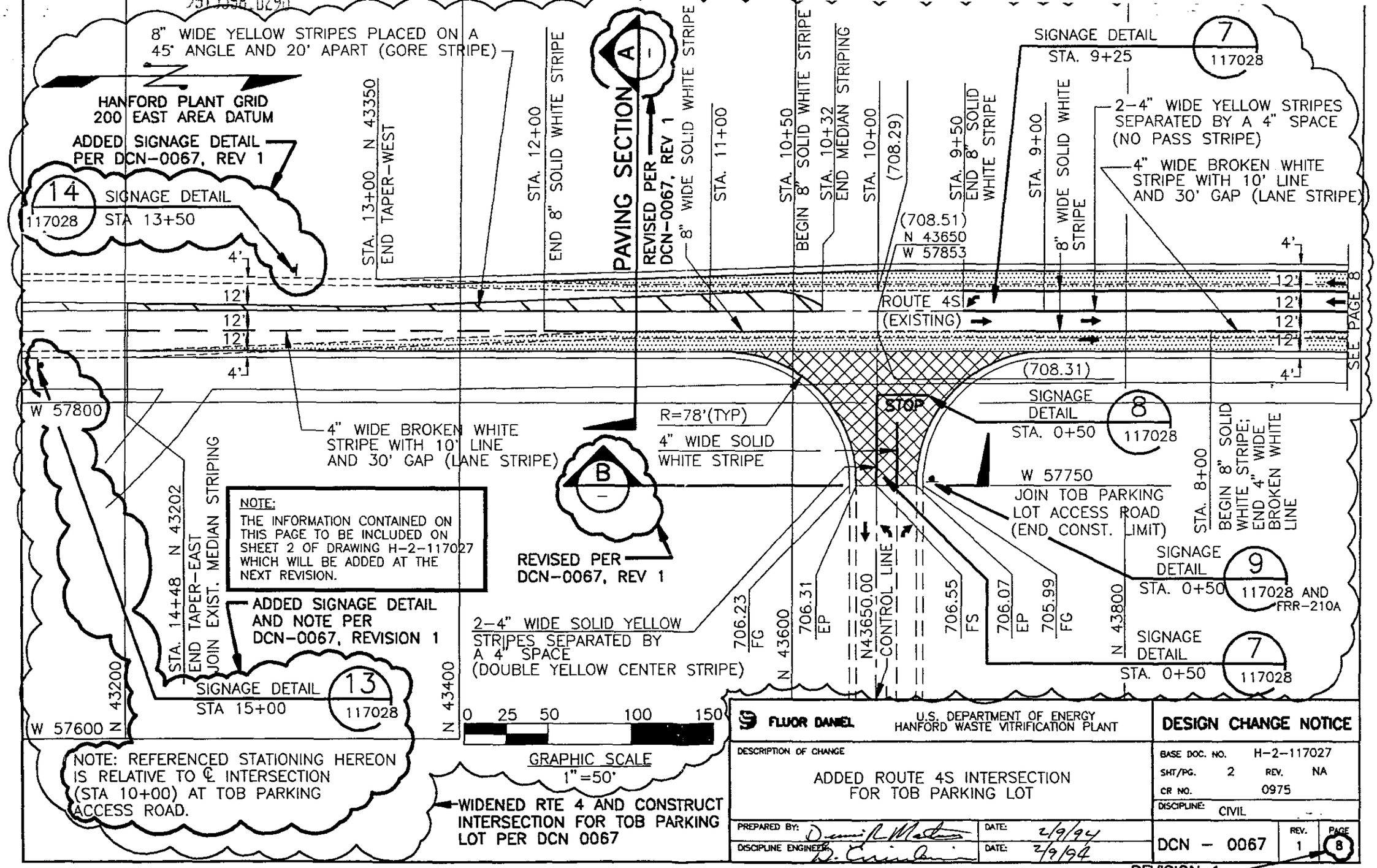
DCN - 0067 REV. 1 PAGE 6

REVISION 1 DRM



FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKNG LOT		BASE DOC. NO. H-2-117027; SHT/PG. 1; REV. 1; CR NO. 0975; DISCIPLINE: CIVIL
PREPARED BY: [signature] DATE: 2/9/94		DCN - 0067 REV. 1 PAGE 7
DISCIPLINE ENGINEER: [signature] DATE: 2/9/94		

REVISION 1 ACAD DRM 2/8/94



FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE

ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT

BASE DOC. NO.	H-2-117027
SHT/PG.	2
REV.	NA
CR NO.	0975
DISCIPLINE:	CIVIL

PREPARED BY: Dennis R. Martens DATE: 2/9/94

DISCIPLINE ENGINEER: B. Erickson DATE: 2/9/94

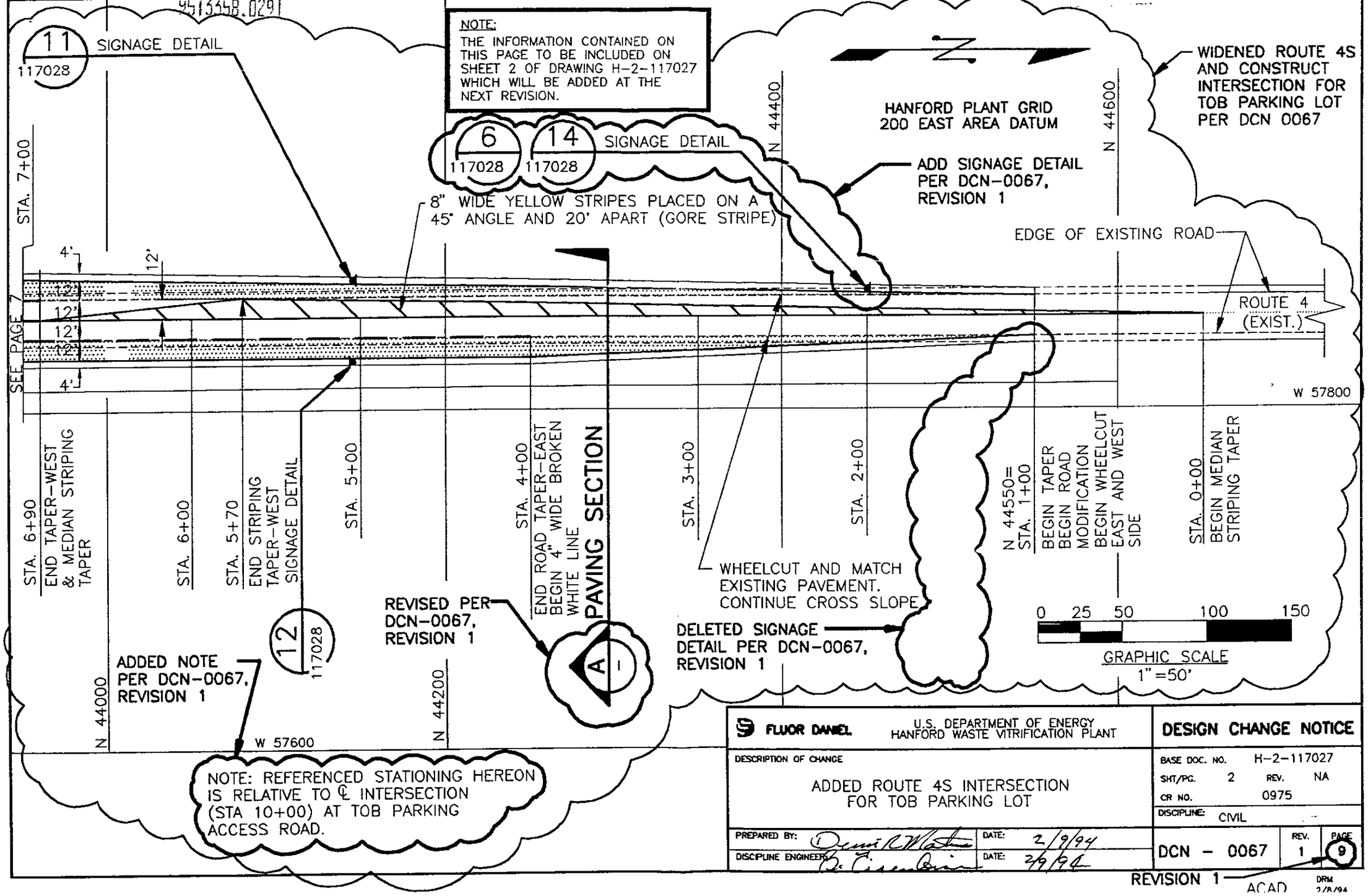
DCN - 0067 | REV. 1 | PAGE 8

REVISION 1

ACAD DRM 2/8/94

9513358.0291

NOTE:
THE INFORMATION CONTAINED ON THIS PAGE TO BE INCLUDED ON SHEET 2 OF DRAWING H-2-117027 WHICH WILL BE ADDED AT THE NEXT REVISION.



FLUOR DANIEL | U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE

ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT

BASE DOC. NO.	H-2-117027
SHT/PG.	2
REV.	NA
CR NO.	0975
DISCIPLINE:	CIVIL

PREPARED BY: Dennis R Watkins DATE: 2/9/94

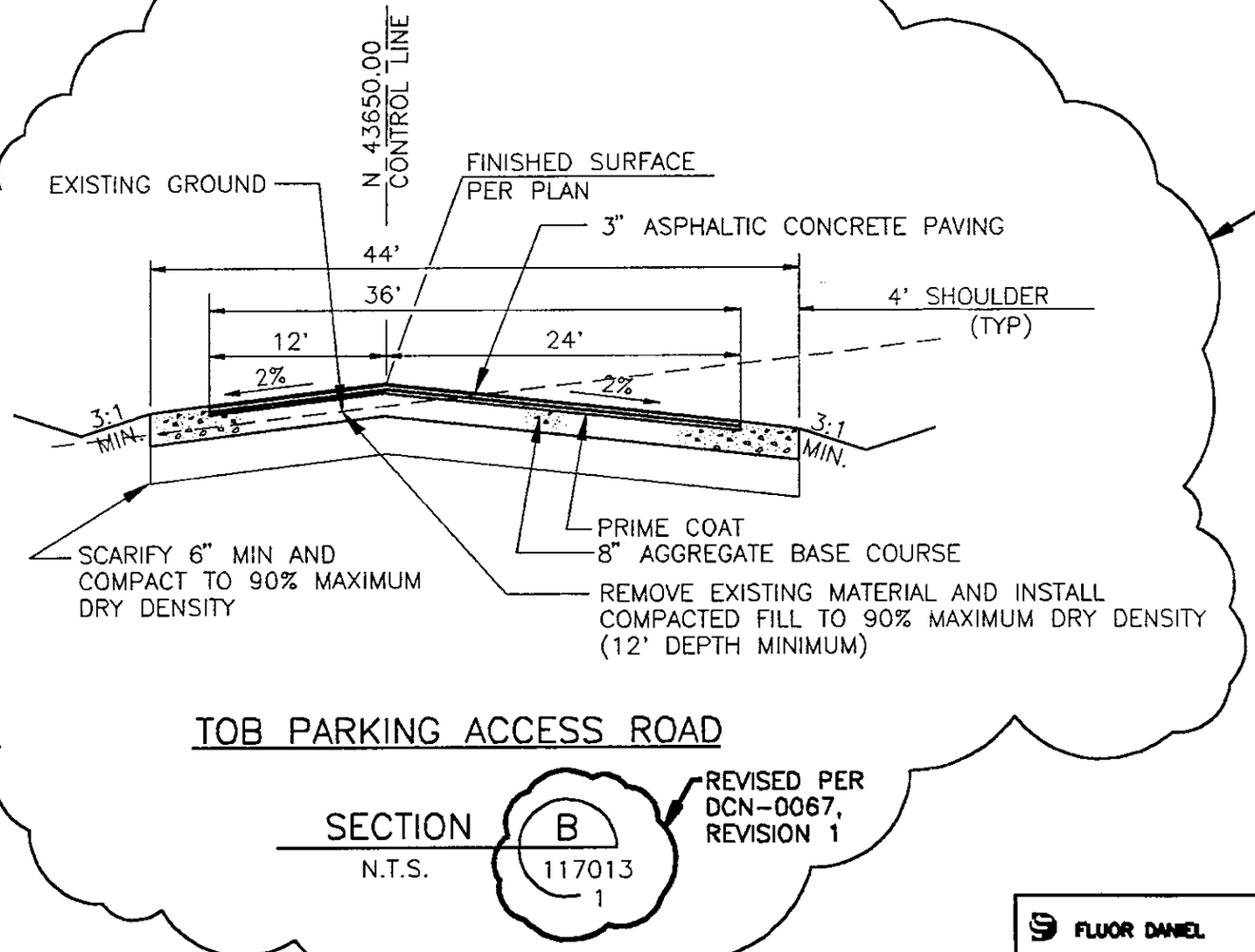
DISCIPLINE ENGINEER: B. Eisenbrun DATE: 2/9/94

DCN - 0067 | REV. 1 | PAGE 9

REVISION 1

ACAD DRM 2/8/94

9513558.0292



SECTION FOR TOB ACCESS ROAD
PER DCN 0067

NOTE:
THE INFORMATION CONTAINED ON THIS PAGE TO BE INCLUDED ON SHEET 2 OF DRAWING H-2-117027 WHICH WILL BE ADDED AT THE NEXT REVISION.

TOB PARKING ACCESS ROAD

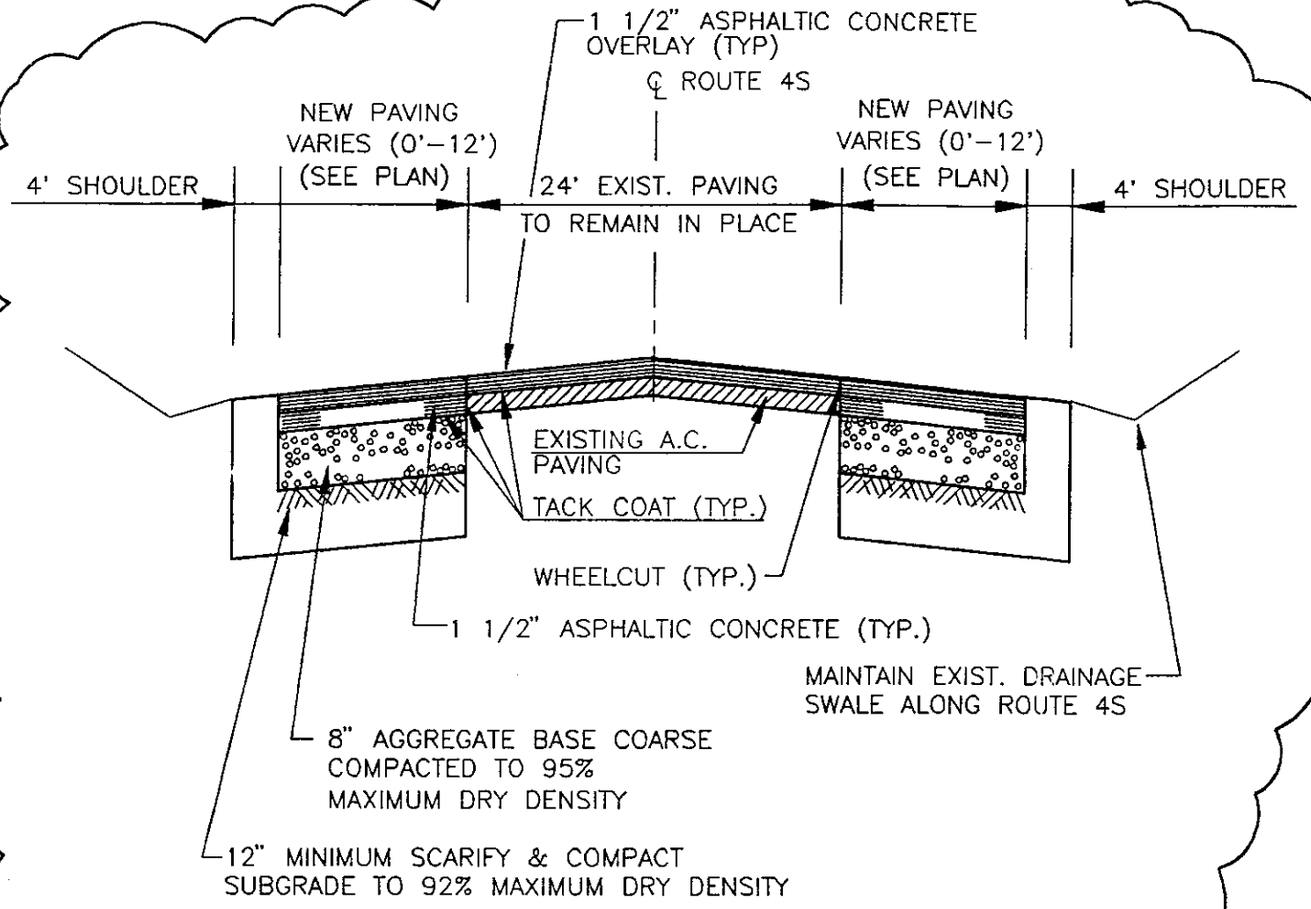
SECTION B
N.T.S.
117013
1

REVISED PER
DCN-0067,
REVISION 1

FLUOR DANIEL — U.S. DEPARTMENT OF ENERGY, HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT		BASE DOC. NO. H-2-117027; SHT/PG. 2; REV. NA; CR NO. 0975; DISCIPLINE: CIVIL
PREPARED BY: Dennis R Martinez	DATE: 2/9/94	DCN - 0067 / REV. 1 / PAGE 10
DISCIPLINE ENGINEER: D. Cairnduff	DATE: 2/9/94	

REVISION 1 DRM

9513358.0293



SECTION FOR ROUTE 4S WIDENING PER DCN 0067

NOTE:
THE INFORMATION CONTAINED ON THIS PAGE TO BE INCLUDED ON SHEET 2 OF DRAWING H-2-117027 WHICH WILL BE ADDED AT THE NEXT REVISION.

TYPICAL ROUTE 4S PAVING

SECTION A
117013
1,2

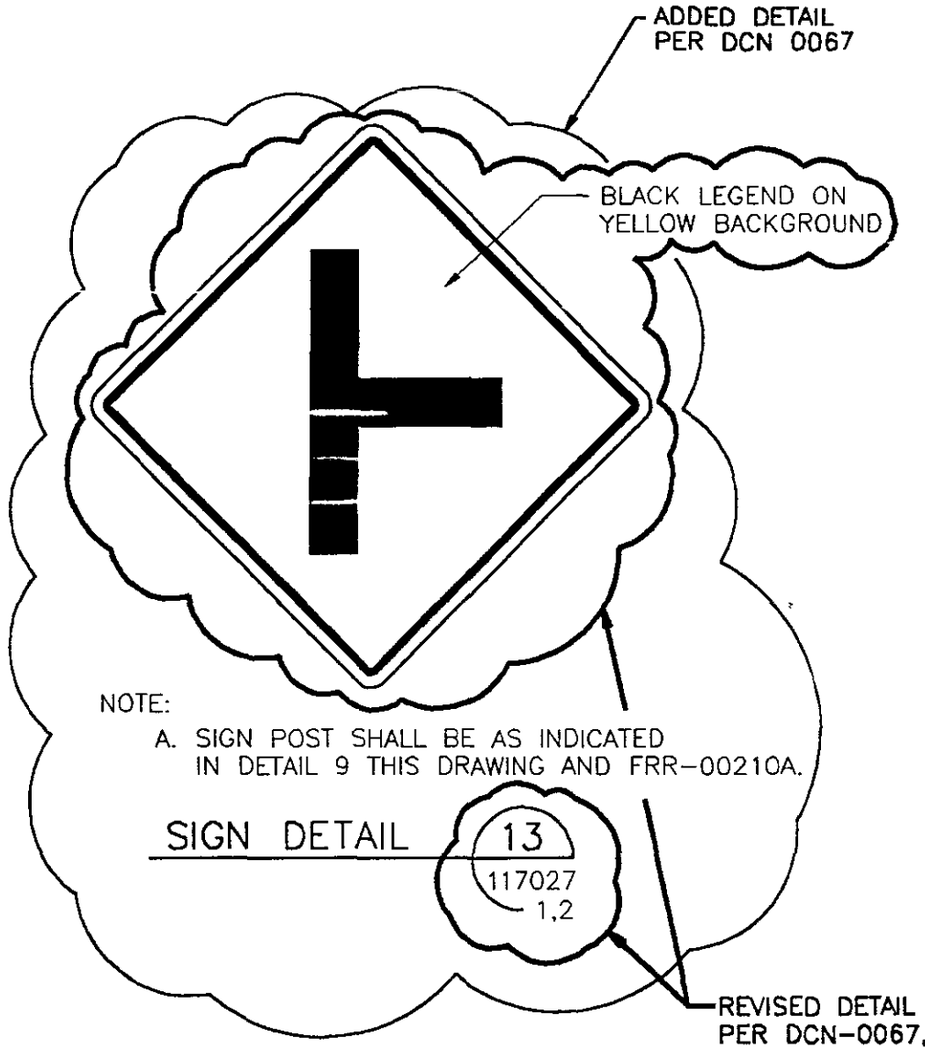
REVISED PER DCN-0067, REVISION 1

FLUOR DANIEL — U.S. DEPARTMENT OF ENERGY, HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT		BASE DOC. NO. H-2-117027; SHT/PG. 2; REV. NA; CR NO. 0975; DISCIPLINE: CIVIL
PREPARED BY: Dennis P Martens	DATE: 2/9/94	DCN – 0067; REV. 1; PAGE 11
DISCIPLINE ENGINEER: B. Einsbain	DATE: 2/9/94	

REVISION 1

DRM

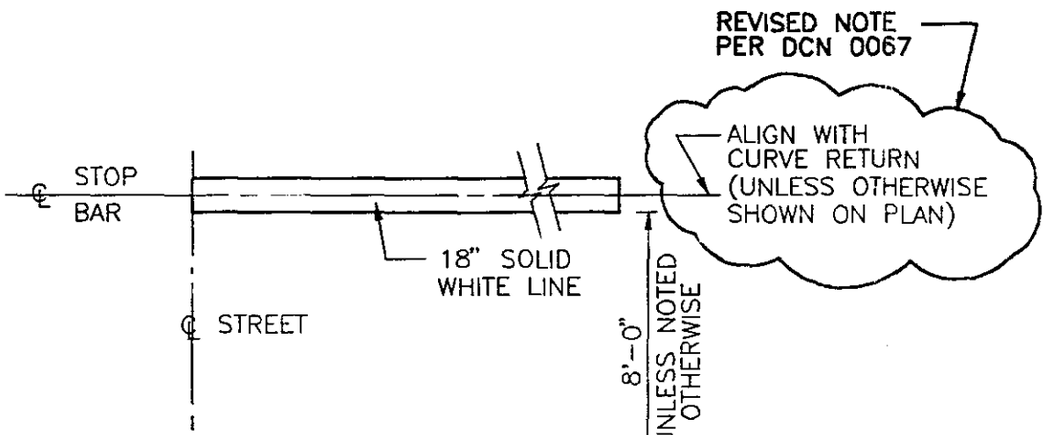
9513358.0294

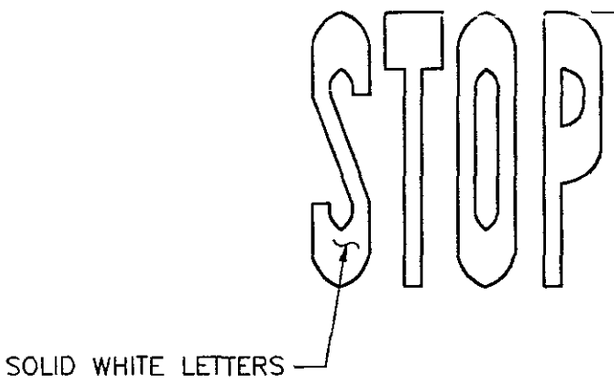


FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT		BASE DOC. NO. H-2-117028 SHT/PG. 1 REV. 1 CR NO. 0975 DISCIPLINE: CIVIL		
PREPARED BY: Dennis R Martinez	DATE: 2/9/94	DCN - 0067	REV. 1	PAGE 12
DISCIPLINE ENGINEER: B. Erickson	DATE: 2/9/94			

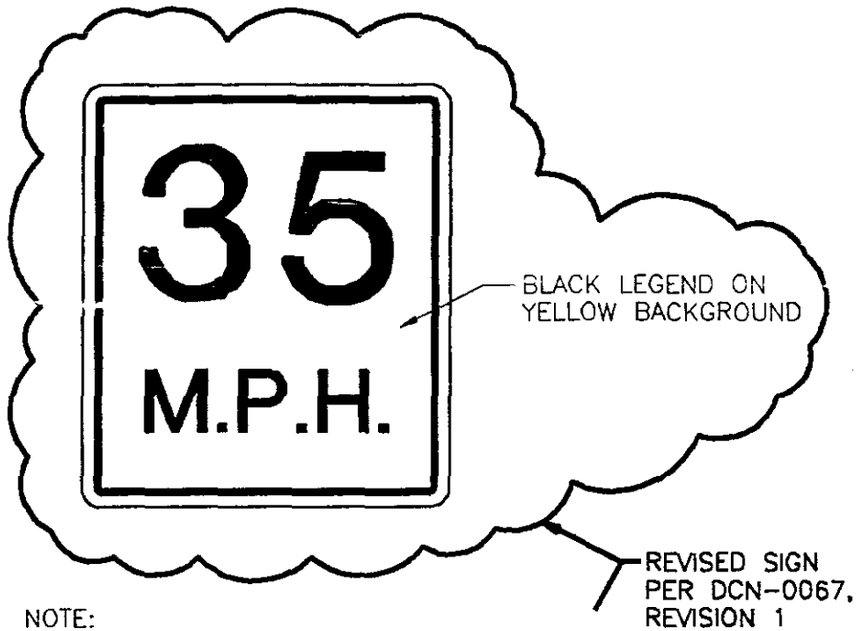
REVISION 1 — ACAD — DRM

9513358.0295



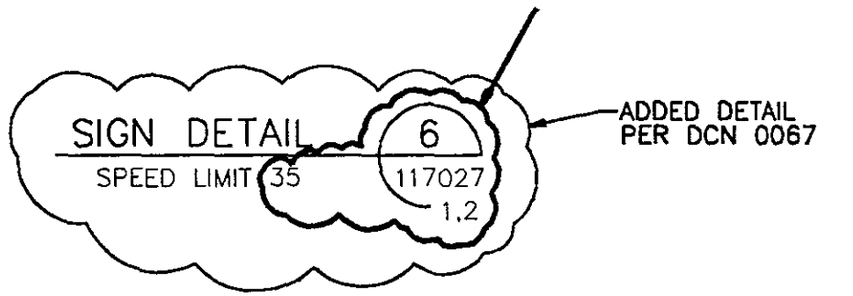


PAINT DETAIL 8
117018
022
027
031



NOTE:

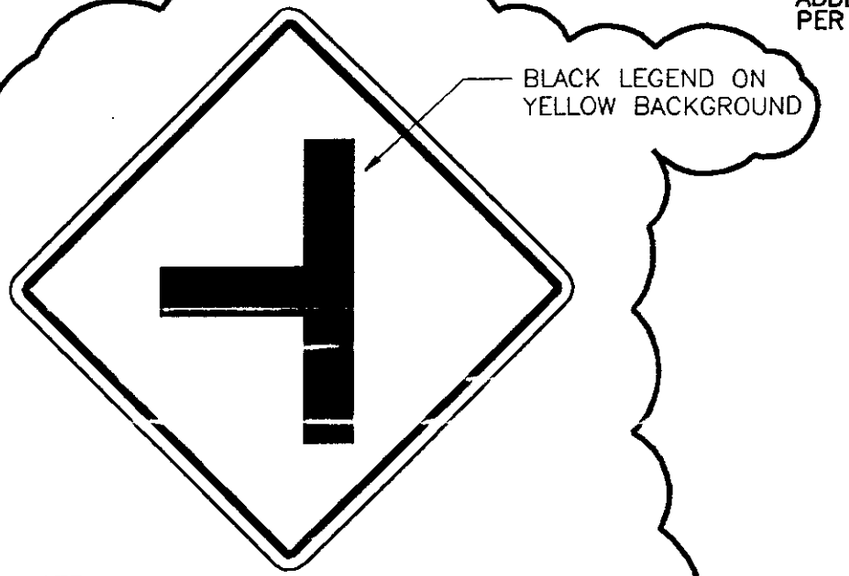
A. SIGN POST SHALL BE AS INDICATED IN DETAIL 9 THIS DRAWING AND FRR-00210A.



FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT		BASE DOC. NO. H-2-117028; SHT/PG. 1; REV. 1; CR NO. 0975; DISCIPLINE: CIVIL
PREPARED BY: Dennis R Martinez	DATE: 2/9/94	DCN - 0067 / REV. 1 / PAGE 13
DISCIPLINE ENGINEER: B. Tinsman	DATE: 2/9/94	

REVISION 1 — ACAD DRM 2/8/94

9513358.0296



NOTE:

A. SIGN POST SHALL BE AS INDICATED IN DETAIL 9 THIS DRAWING AND FRR-00210A.

SIGN DETAIL 14
117027
2

ADDED DETAIL
PER DCN 0067

REVISED DETAIL NO. 14
PER DCN-0067, REVISION 1

ADDED DETAIL
PER DCN 0067

NOTE:

A. SIGN POST SHALL BE AS INDICATED IN DETAIL 9 THIS DRAWING AND FRR-00210A.

SIGN DETAIL 15
117027

FLUOR DANIEL — U.S. DEPARTMENT OF ENERGY, HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: ADDED ROUTE 4S INTERSECTION FOR TOB PARKING LOT		BASE DOC. NO. H-2-117028; SHT/PG. 1; REV. 1; CR NO. 0975; DISCIPLINE: CIVIL
PREPARED BY: Denis R Markus	DATE: 2/9/94	DCN - 0067 / REV. 1 / PAGE 14
DISCIPLINE ENGINEER:	DATE:	

REVISION 1 — ACAD — DRM