

START

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0040558



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: October 22, 1993

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

Transmittal No.: WDOE-688

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: A160 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - #0115	0	10/22/93	REPOSITION FWX VALVES AT VARIOUS LOCATIONS & UPSIZE GFE WAREHOUSE FWX LINE
			"APPROVED FOR CONSTRUCTION"

Reference: FRP-1259 FUP-690

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::BRE:ajs



FLUOR DANIEL US DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT DESIGN CHANGE NOTICE	DCN - 0115	REV 0	PAGE 1 OF 10
	DCN TITLE Reposition FWX valves at various locations & UPSIZE GFE WARE- <i>HOUSE FWX LINE.</i>		DATE INITIATED 10/19/93 PACKAGE NO. CWBS-A160

SECTION 1: DESCRIPTION OF CHANGE

Where the FWX system branches to two hydrants/connections, valves have been repositioned to isolate each hydrant/connection to prevent the loss of water to the remaining hydrant. Changes are in response to WHC Comment No. 2 from the 2nd P&ID workshop for System 50. The DCN also encompasses changes to other FWX valve locations similar to Comment No. 2 but not specifically identified in the workshop comments. *THE NORTHEAST BUILDING FWX LINE CONNECTING TO THE NORTHERLY GFE WAREHOUSE HAS ALSO BEEN UPSIZED AS A PART OF THIS DCN PER THE REQUEST OF UCAT.*

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

<p>CAUSE OF CHANGE:</p> <p><input checked="" type="checkbox"/> Field Change Request <input type="checkbox"/> Supplier Disposition <input type="checkbox"/> Deficiency Report <input type="checkbox"/> Design Development <input checked="" type="checkbox"/> Change Request <input type="checkbox"/> TBD/Hold <input type="checkbox"/> Other <u>CR-HWVP-1056R1</u></p> <p><u>CR00260A/</u> <u>RR00566A</u> Initiating Document(s)</p>
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SECTION 2: EVALUATION

	IF "YES", ADDITIONAL REVIEW REQUIRED BY:	REVIEWER COMMENTS AND SIGNATURE/DATE
WAPA DWG/SPEC? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	_____	_____
QUALITY LEVEL 1 DWG/SPEC? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	_____	_____
SAFETY CLASS 1 OR 2 DWG/SPEC? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	_____	_____
SYSTEMS ANALYSES AFFECTED? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	_____	_____
MULTI-DISCIPLINE CHANGE? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	_____	_____

DCN Evaluated by: Systems J. Thompson ^{10/22/93} ADM [Signature] ^{10/22/93} Others _____

SECTION 3: APPROVED FOR CONSTRUCTION

Originator <u>[Signature]</u> ^{10/20/93} Date	Project/Resident Engineer <u>M. H. Featherston</u> ^{10/21/93} Date
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SECTION 4: CONCURRENCE

Project Management	Date
Systems	Date
Independent Safety	Date
Quality Assurance	Date
Configuration Management	Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? NO YES

WHC	Date
UCAT	Date
DOE	Date

COMMENTS:

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FLUOR DANIEL US DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT DESIGN CHANGE NOTICE	DCN - 0115	REV 0	DISCIPLINE Civil	PKG. NO. A160	PAGE 2	
	PREPARED BY: P. McCaughey		Date: 10/18/93			
	DISCIPLINE ENGINEER: <i>R. L. ...</i>		Date: 10/19/93			

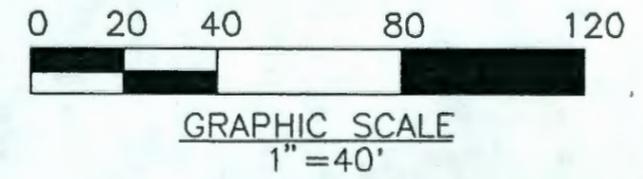
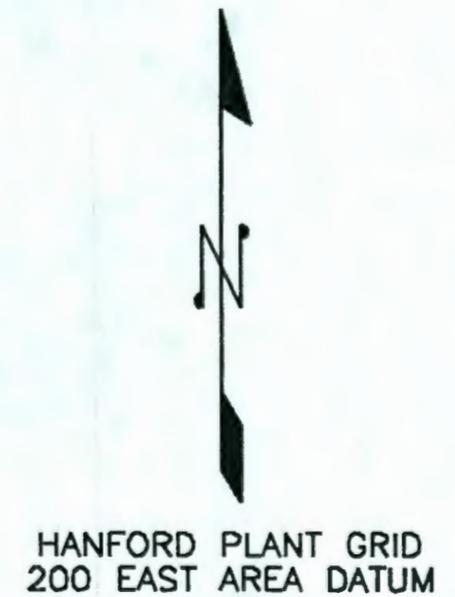
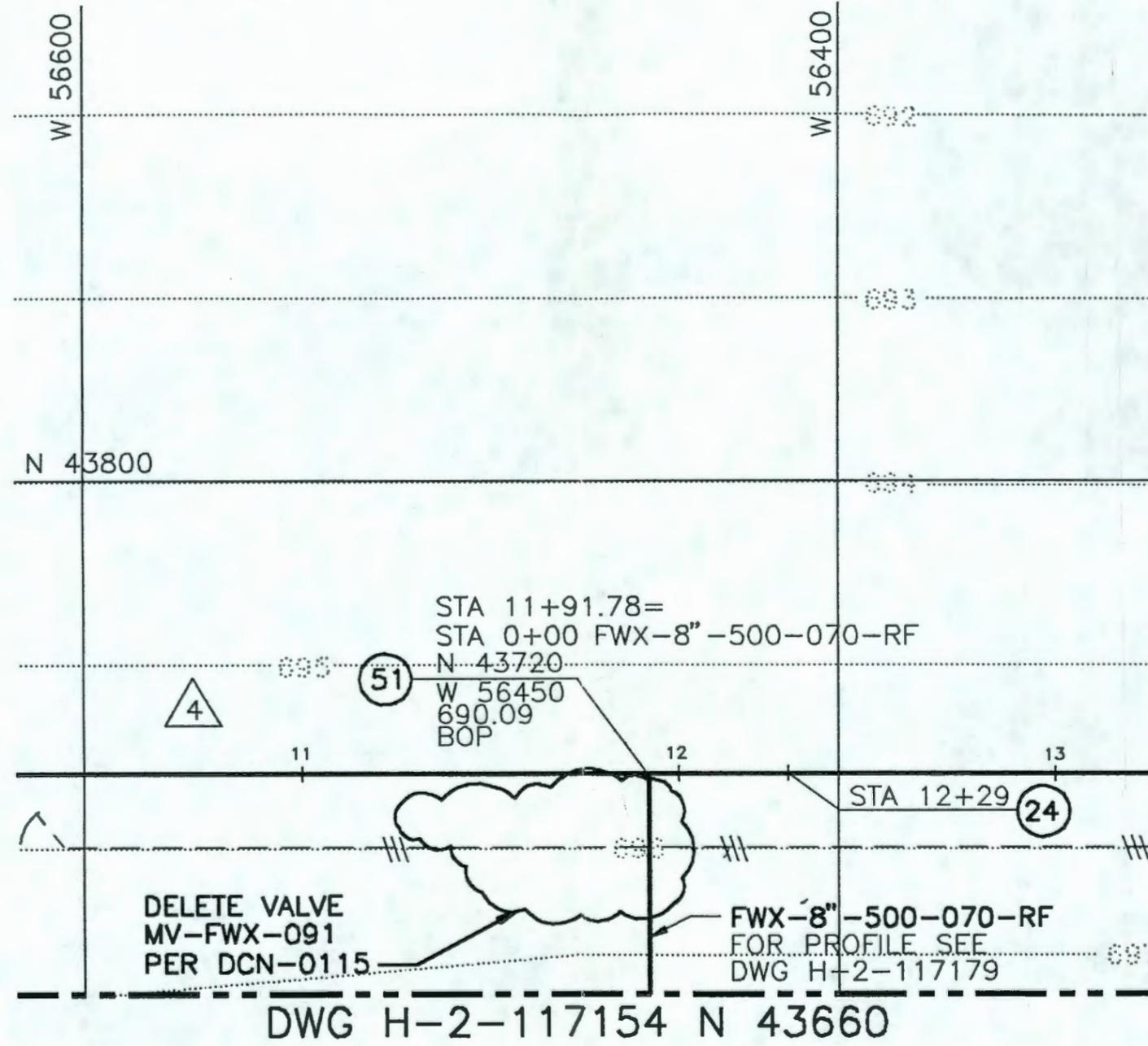
SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-117152	1	4	Civil, Underground Utility Plan	Y	Delete valve MV-FWX-091 (Zone A6)
H-2-117154	1	4	Civil, Underground Utility Plan	Y	Delete end cap and install 8" valve, MV-FWX-102, (Zone E5) and delete valve MV-FWX-081 (Zone F4) and install 8" valve, MV-FWX-091 (Zone F4). <i>UPSIZE FWX-6"-500-047-RF TO FWX-8"-500-047-RF</i>
H-2-117156	1	4	Civil, Underground Utility Plan	Y	Adjust location of FWX connection at coordinate "J" (Zone A8) and install 6" valve, MV-FWX-040 (Zone A8) <i>(P&ID COMMENT NO. 2)</i>
H-2-117158	1	4	Civil, Underground Utility Plan	Y	Delete valve MV-FWX-040 (Zone E6) <i>(P&ID COMMENT NO. 2)</i>
H-2-117161	1	2	Civil, Underground Utilities Sections & Details	Y	Revise line No. to match P&ID designation
H-2-117178	1	2	Civil, SWX and FWX Pipe Profiles	Y	Reposition valve, tee and reducer on FWX-8"-040
H-2-117179	1	2	Civil, SWX and FWX Pipe Profiles	Y	Reposition PIV on FWX-8"-500-047-RF <i>UPSIZE LINE TO 8"</i>
H-2-117179	1	2	Civil, SWX and FWX Pipe Profiles	Y	Reposition PIV on FWX-8"-500-070-RF

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



DWG H-2-117154 N 43660

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
	DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS		BASE DOC. NO. H-2-117152 SHT/PG. 1 REV. 4 CR NO. CR-HWVP-1056R1 DISCIPLINE: CIVIL	REV. 0 PAGE 3
PREPARED BY: <i>Dennis R. May</i> DISCIPLINE ENGINEER: <i>Dennis R. May</i>	DATE: 10-19-93	DATE: 10/19/93	DCN - 0115	

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0 20 40 80 120

GRAPHIC SCALE
1" = 40'

DWG H-2-117152 N 43660

DELETED VALVE MV-FWX-081
PER DCN-0115

STA 16+06.78
N 43645
W 56110 (1)

REMOVE END CAP
AND INSTALL 8" VALVE
PER DCN-0115

ASPHALT CONCRETE PAVING
CWBS-A120 H-2-117091
(BY OTHERS)

RWX-12"-500-002-RF
FOR PROFILE SEE
DWG H-2-117175

INSTALL 8" VALVE & UPSIZE
PER DCN-0115 LINE TO
8"

FABRICATION
SHOP
(BY OTHERS)

GFE WAREHOUSE
(BY OTHERS)

FOR PROFILE SEE
DWG H-2-117179

FOR PROFILE SEE
DWG H-2-117179

UTILITY INTERFACE COORDINATE TABLE

UTILITY DESCRIPTION	NORTH	WEST	BOP	DWG REFERENCE
(R) FIREWATER	43495	56450	697.81	FUTURE
(S) FIREWATER	43500	56155	694.75	FUTURE

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

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE
REPOSITION FWX VALVES
AT VARIOUS LOCATIONS & UPSIZE
FWX LINE TO GFE WAREHOUSE AT N/E CORNER

BASE DOC. NO. H-2-117154
SHT/PG. 1 REV. 4
CR NO. CR-HWVP-1056R1
DISCIPLINE: CIVIL

PREPARED BY: *Desiree L. Martin* DATE: 10-19-93
DISCIPLINE ENGINEER: *James R. Trumbull* DATE: 10/19/93

DCN - 0115 REV. 0 PAGE 4

HANFORD PLANT GRID
200 EAST AREA DATUM

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PER DCN-0115

UTILITY INTERFACE COORDINATE TABLE

UTILITY DESCRIPTION	NORTH	WEST	BOP/FOF	DWG REFERENCE
A SANITARY WATER	42247.00	55920.00	701.55	FUTURE
B FIREWATER	42255.00	55920.00	701.50	FUTURE
C FIRE WATER	42142.38	55831.29	704.33	H-2-125154
D DRAIN LINE	42132.38	55807.79	704.58	H-2-125154
E SANITARY WATER	42132.38	55806.79	704.58	H-2-125154
F DRAIN LINE	42132.38	55790.30	704.58	H-2-125154
G SANITARY SEWER	42132.38	55789.42	705.00	H-2-117801
H SANITARY WATER	42132.38	55782.92	705.00	H-2-117801
I DRAIN LINE	42116.96	55730.50	704.58	H-2-125154
J FIRE WATER	41780.00	55935.00	701.50	FUTURE

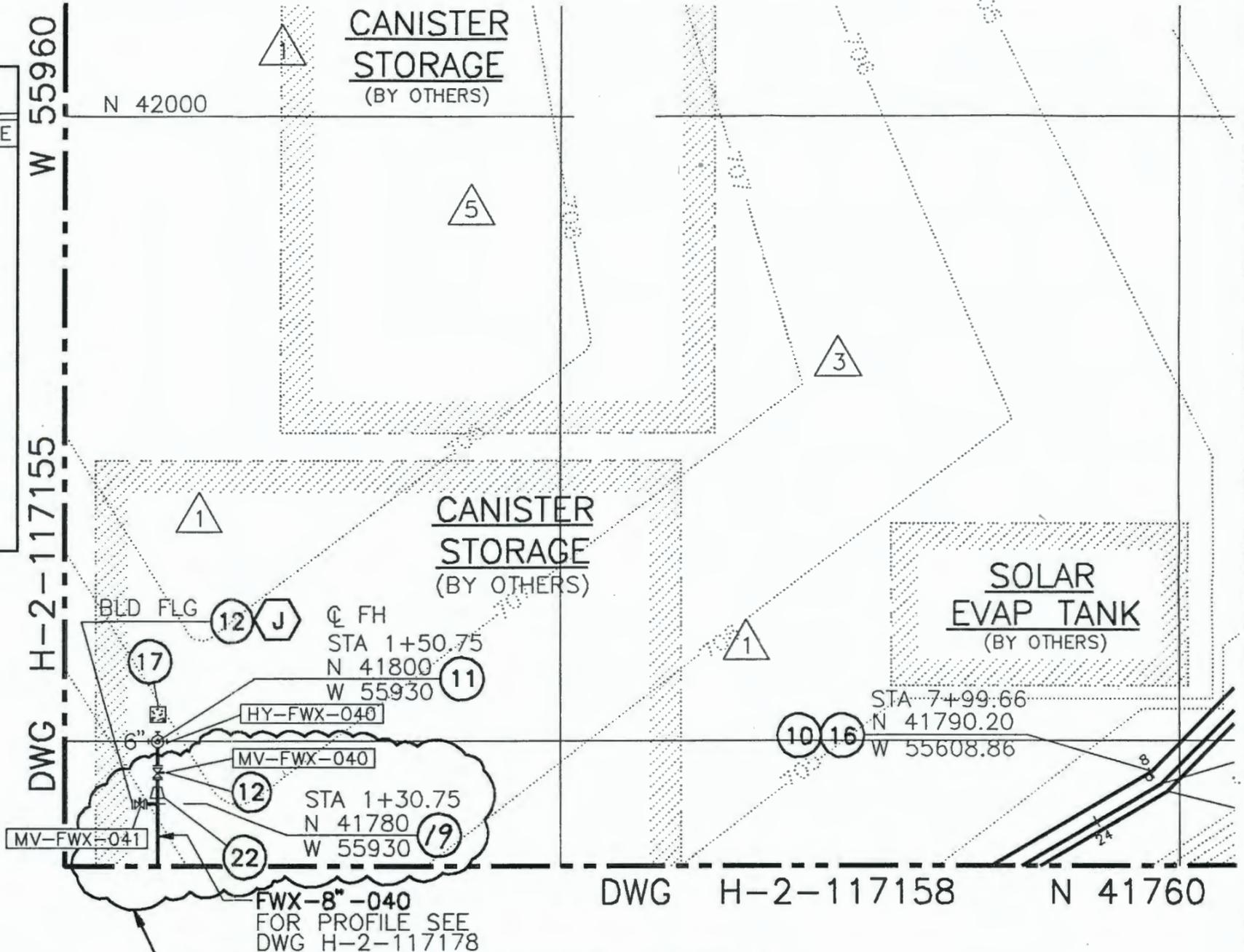


HANFORD PLANT GRID
200 EAST AREA DATUM

0 20 40 80 120



GRAPHIC SCALE
1" = 40'

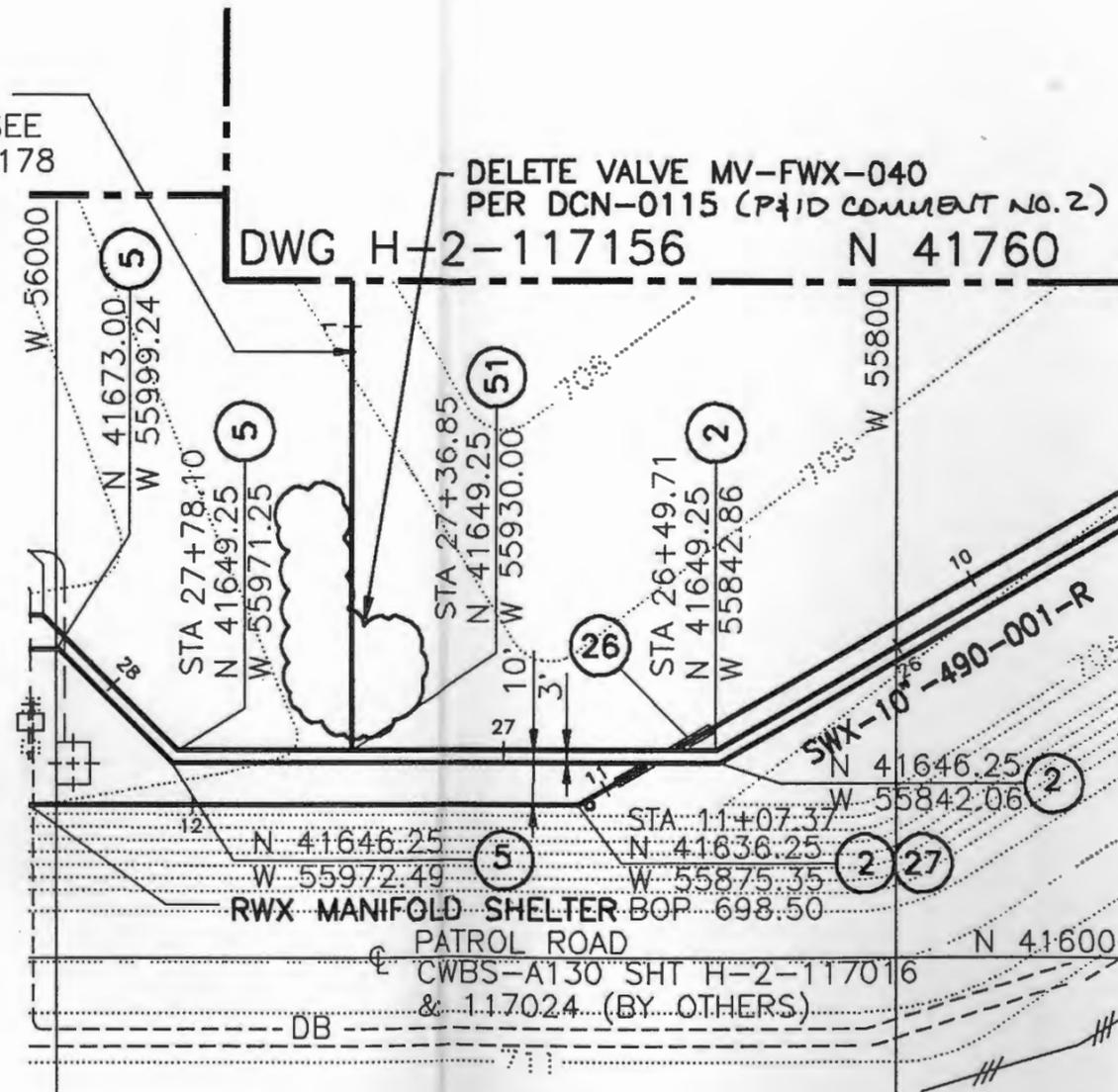


INSTALL MV-FWX-040 AND ADJUST LOCATION OF
FWX CONNECTION AT COORDINATE
PER DCN-0115 (PID COMMENT NO.2) J

FLUOR DANIEL U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
	DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS	BASE DOC. NO. H-2-117156 SHT/PG. 1 REV. 4 CR NO. CR-HWVP-1056R1 DISCIPLINE: CML	PREPARED BY: <i>Dennis M. ...</i> DATE: 10-19-93 DISCIPLINE ENGINEER: <i>Bruce R. ...</i> DATE: 10/19/93
DCN - 0115		REV. 0	PAGE 5

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FWX-8" -040
FOR PROFILE SEE
DWG H-2-117178



DELETE VALVE MV-FWX-040
PER DCN-0115 (P&ID COMMENT NO. 2)
DWG H-2-117156 N 41760



HANFORD PLANT GRID
200 EAST AREA DATUM

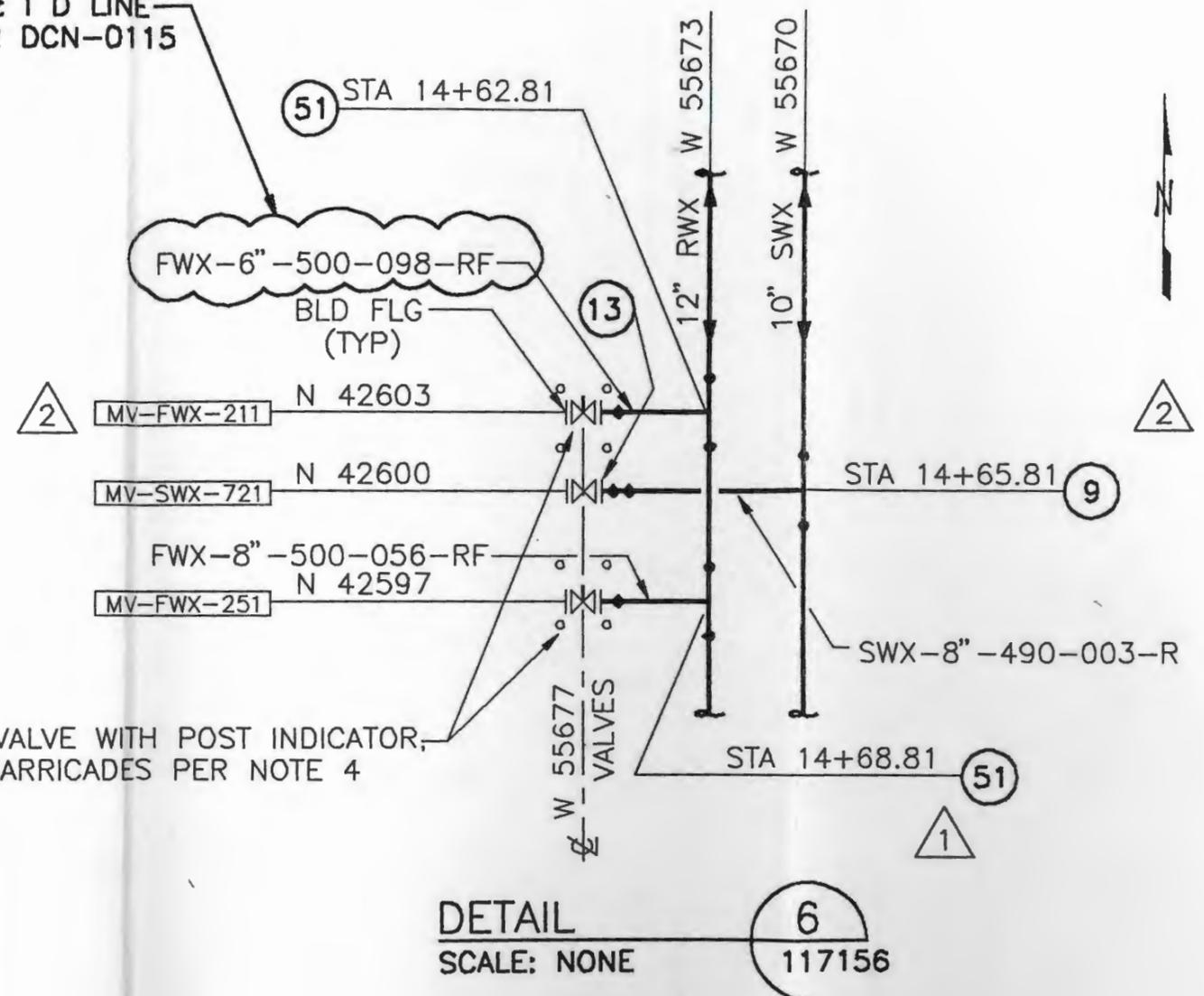


GRAPHIC SCALE
1" = 40'

FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS				BASE DOC. NO. H-2-117158 SHT/PG. 1 REV. 4 CR NO. CR-HWVP-1056R1 DISCIPLINE: CML	
PREPARED BY: <i>Dennis M. ...</i>	DATE: 10-19-93	DCN - 0115	REV. 0	PAGE 6	
DISCIPLINE ENGINEER: <i>Ann R. ...</i>	DATE: 10/19/93				

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REVISED P & I D LINE
NUMBER PER DCN-0115



GATE VALVE WITH POST INDICATOR,
AND BARRICADES PER NOTE 4

DETAIL 6
SCALE: NONE 117156

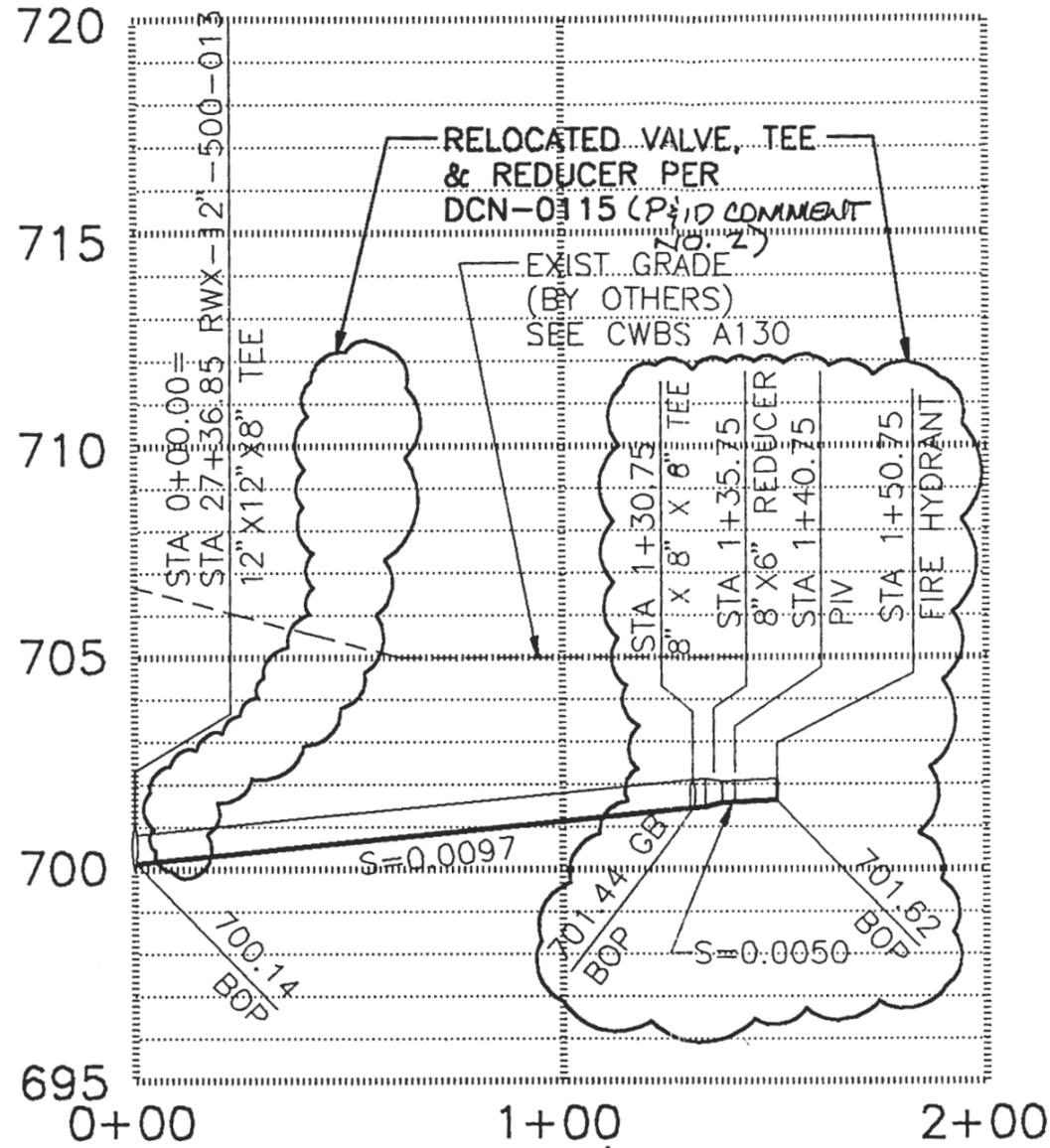


HANFORD PLANT GRID
200 EAST AREA DATUM



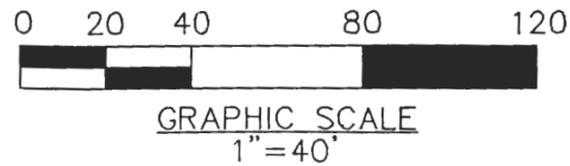
GRAPHIC SCALE
1" = 40'

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE		
	DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS		BASE DOC. NO. H-2-117161 SHT/PG. 1 REV. 2 CR NO. CR-HWVP-1056R1 DISCIPLINE: CML		
PREPARED BY: <i>Dennis R. Martin</i>	DATE: 10-19-93				
DISCIPLINE ENGINEER: <i>Sam R. Cisneros</i>	DATE: 10/19/93				
		DCN - 0115	REV. 0	PAGE 7	

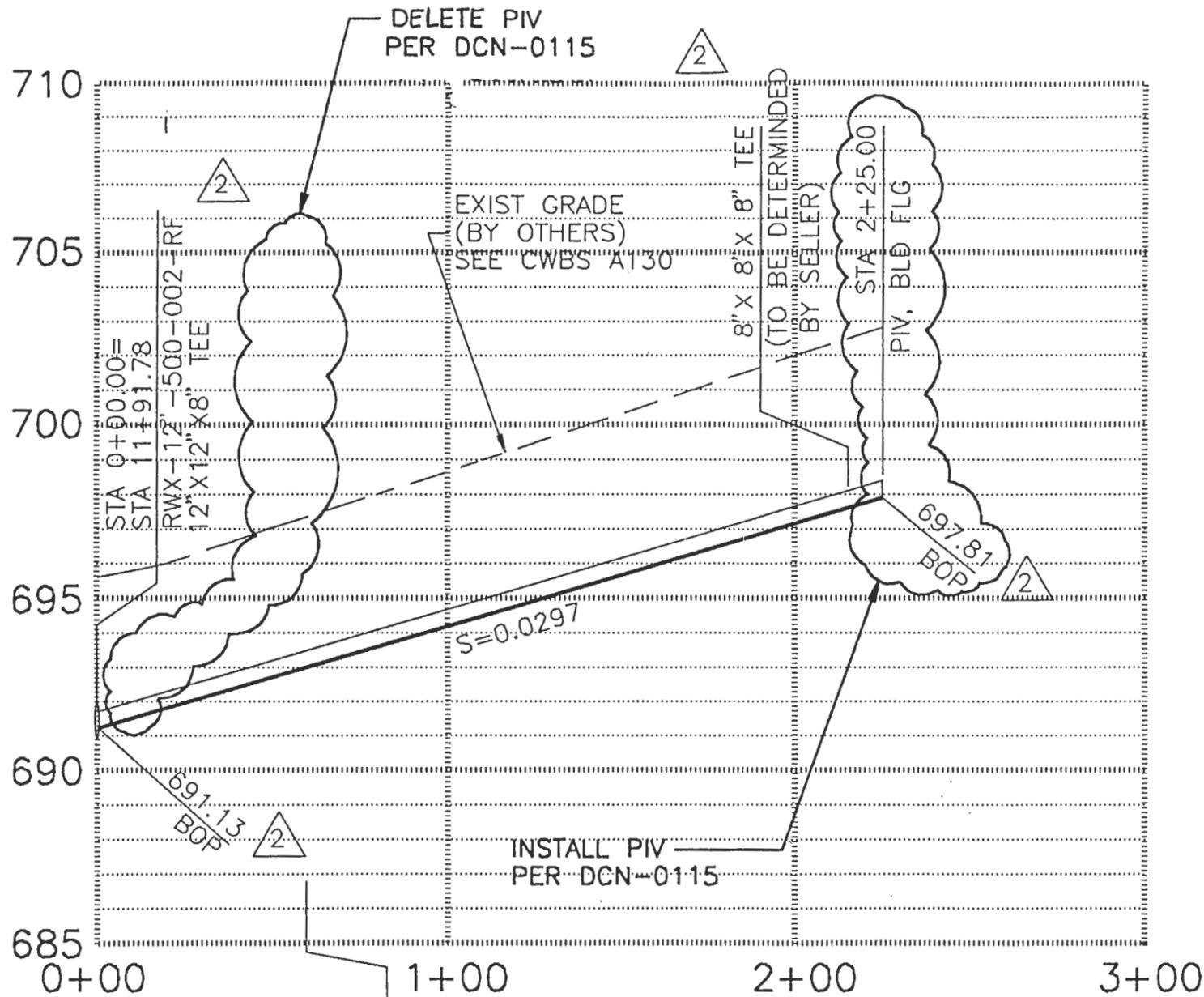


FOR PLAN SEE DWG H-2-117158 ← → FOR PLAN SEE DWG H-2-117156

PROFILE
 FWX-8"-040
 HORIZ. 1"=40'
 VERT. 1"=4'

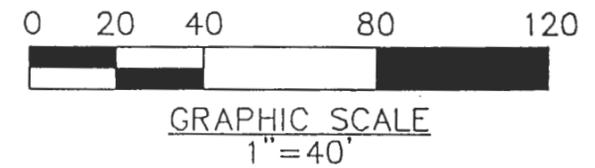


FLUOR DANIEL U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
	DESCRIPTION OF CHANGE <p style="text-align: center;">REPOSITION FWX VALVES AT VARIOUS LOCATIONS</p>		
PREPARED BY: <i>Dennis M. Martin</i> DISCIPLINE ENGINEER: <i>Bruce R. ...</i>	DATE: 10-19-93 DATE: 10/19/93	BASE DOC. NO. H-2-117178 SHT/PG. 1 REV. 2 CR NO. CR-HWVP-1056R1 DISCIPLINE: CIVIL	REV. 0 PAGE 8
DCN - 0115			



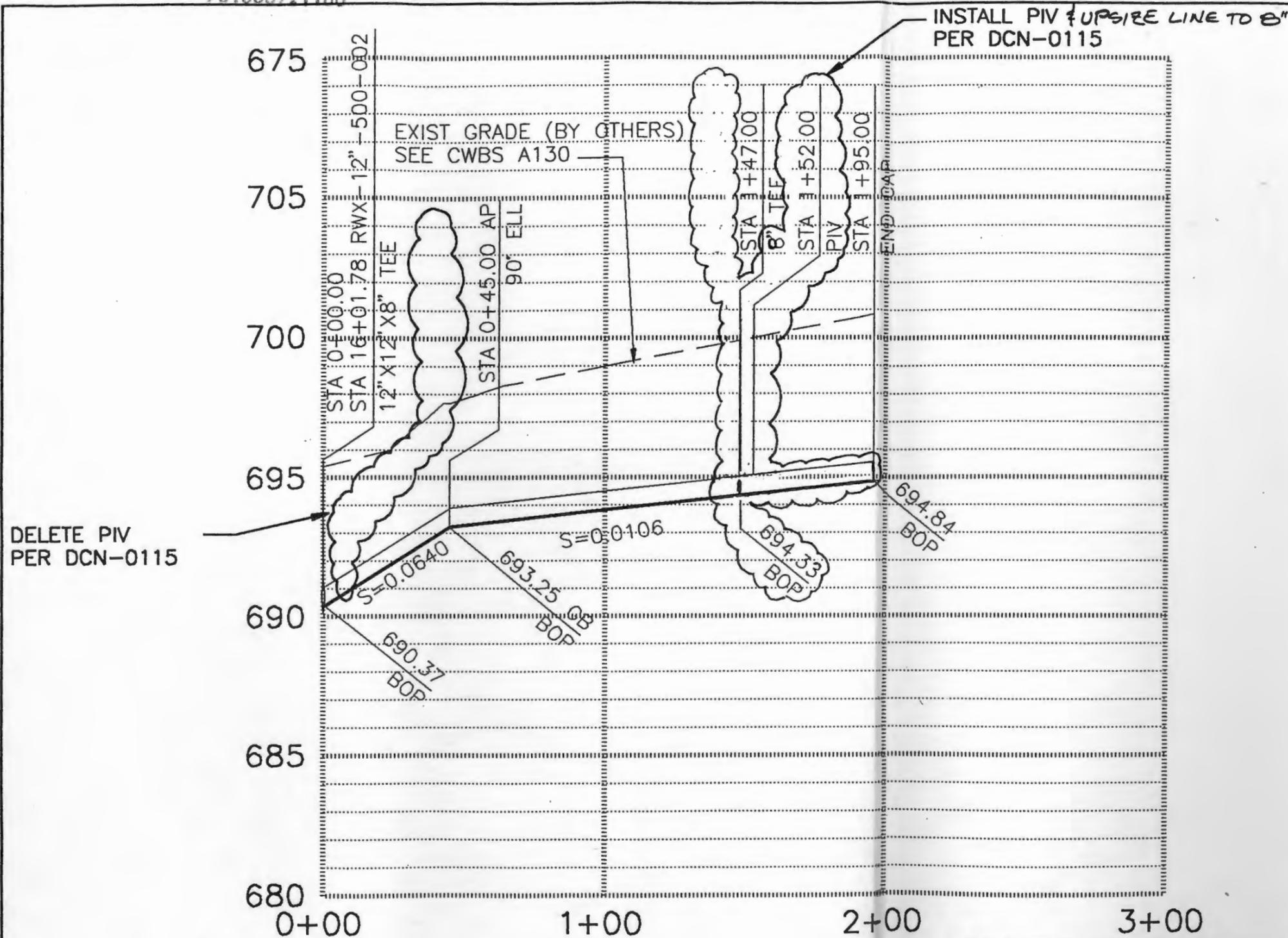
FOR PLAN SEE DWG H-2-117152 ← → FOR PLAN SEE DWG H-2-117154

PROFILE
 FWX-8"-500-070-RF
 HORIZ. 1"=40'
 VERT. 1"=4'



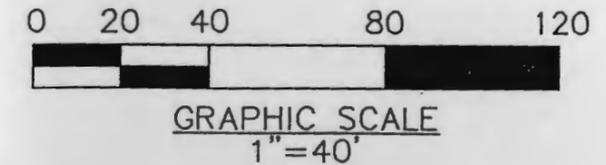
FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
	DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS		BASE DOC. NO. H-2-117179 SHT/PG. 1 REV. 2 CR NO. CR-HWVP-1056R1 DISCIPLINE: CIVIL	
PREPARED BY: <i>Dennis R. Masterson</i>	DATE: 10-19-93	DCN - 0115	REV. 0	PAGE 9
CHECKED BY: <i>Brian R. Tamborini</i>	DATE: 10/19/93			

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DELETE PIV
PER DCN-0115

INSTALL PIV & UPSIZE LINE TO 8"
PER DCN-0115



FOR PLAN SEE DWG H-2-117154

PROFILE
FWX-8"-500-047-RF
HORIZ. 1"=40'
VERT. 1"=4'

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
	DESCRIPTION OF CHANGE REPOSITION FWX VALVES AT VARIOUS LOCATIONS & UPSIZE FWX LINE SIZE.		BASE DOC. NO. H-2-117179 SHT/PG. 1 REV. 2 CR NO. CR-HWVP-1056R1 DISCIPLINE: CIVIL	
PREPARED BY: <i>Dennis Matus</i>	DATE: 10-19-93	DCN - 0115	REV. 0	PAGE 10
DISCIPLINE ENGINEER: <i>Dennis Matus</i>	DATE: 10/19/93			