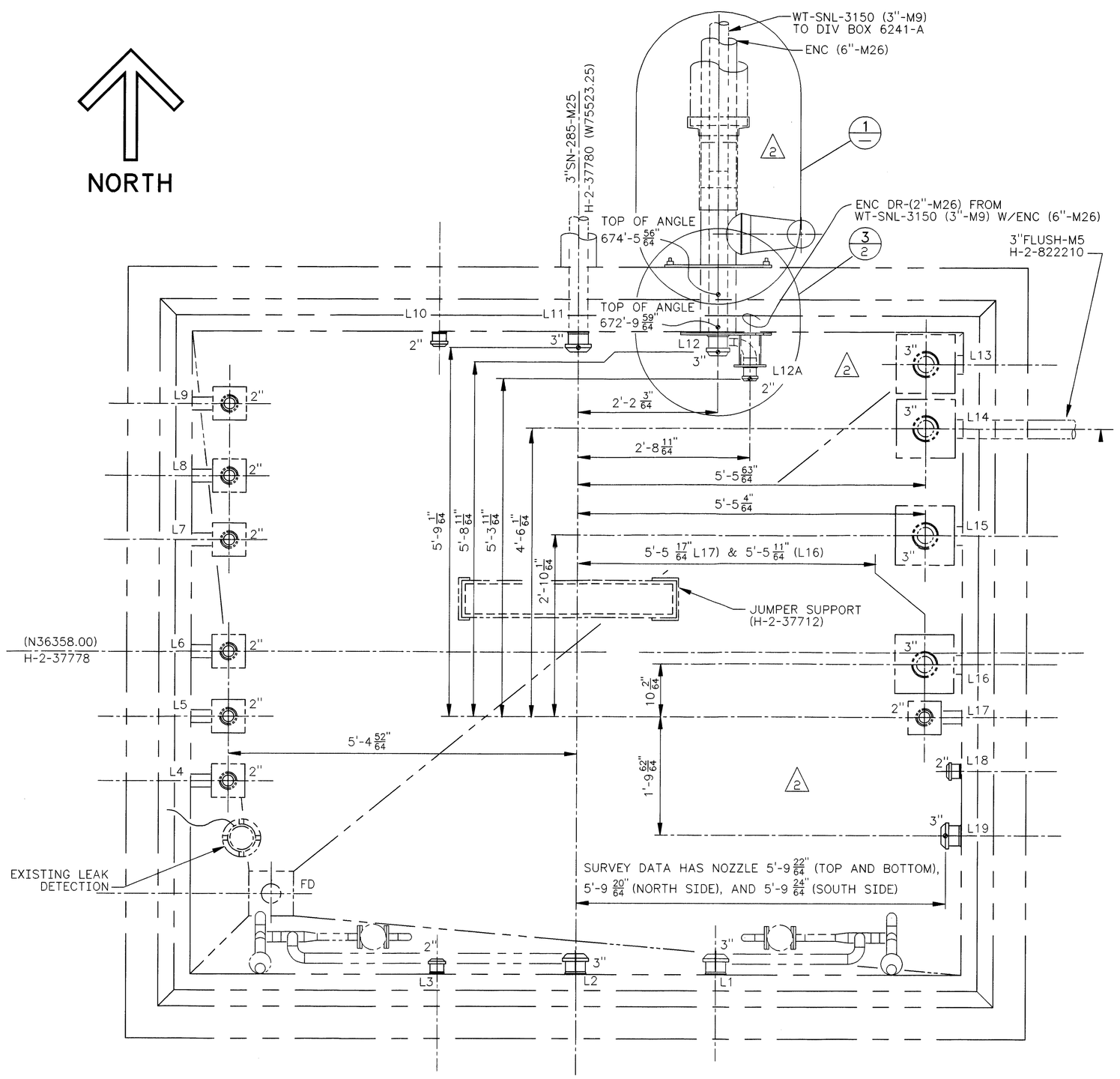
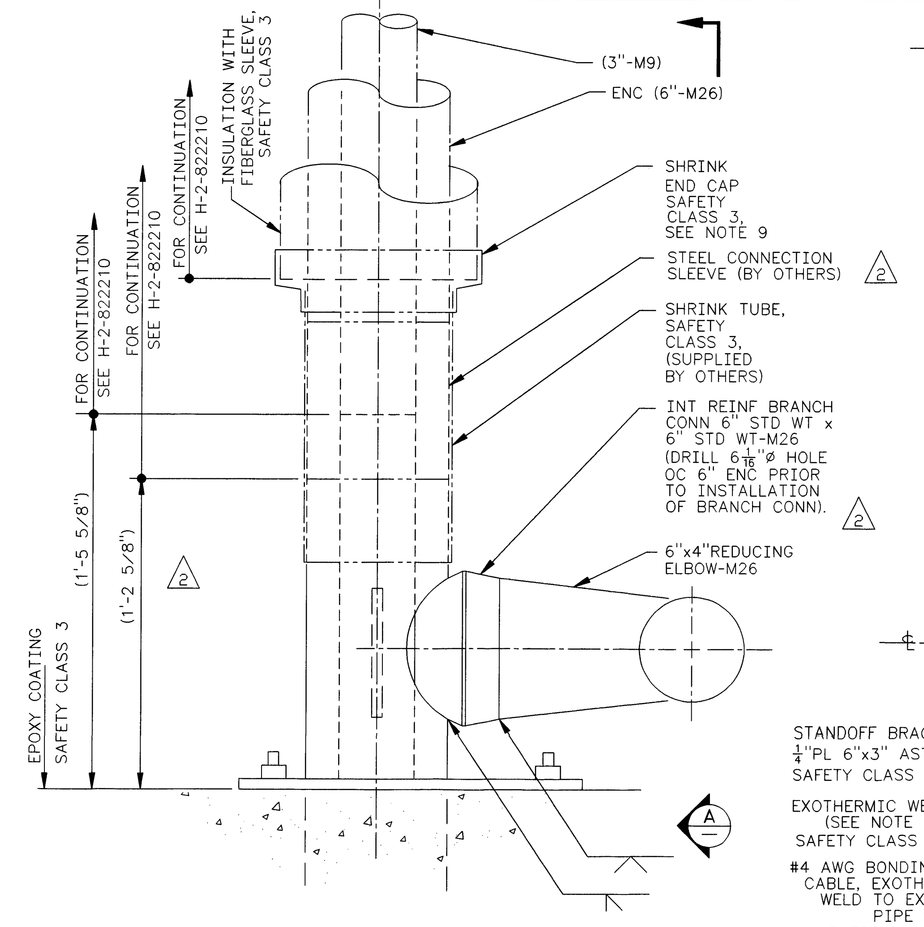
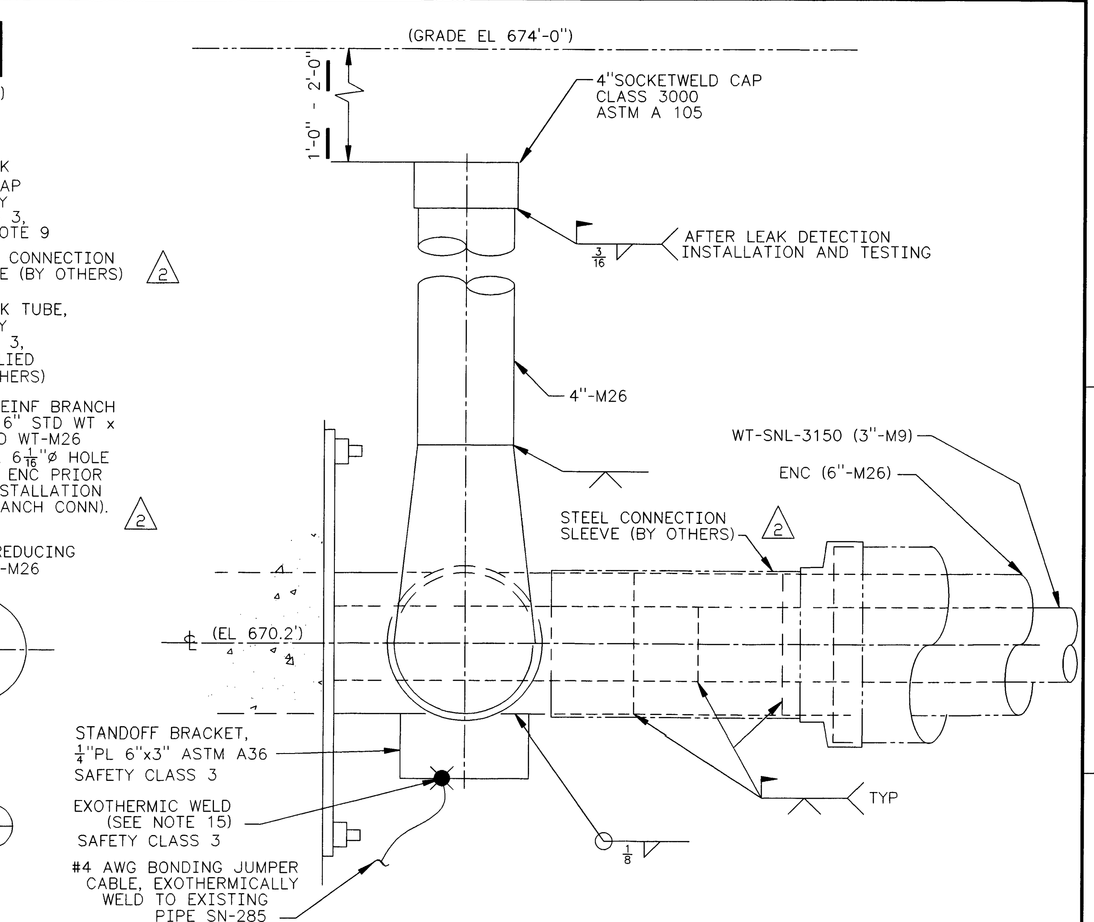


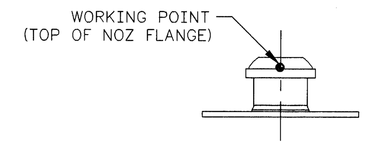
VALVE PIT 241-SY-A (H-2-37780)
SEE NOTE 4
PLAN
SCALE:1"=1'-0"



1 DETAIL
SCALE : 3"=1'-0"



A SECTION
SCALE : 3"=1'-0"



ELEVATION
6 DETAIL
SCALE : NONE

NOZZLE ELEVATIONS

NOZZLE NO.	ELEVATION
L5	669'-11 56/64"
L11	℄ 671'-2 59/64"
L12	℄ 670'-1 63/64"
L12A	℄ 669'-4 5/64"
L14 (EAST SIDE)	669'-11 26/64"
L14 (WEST SIDE)	669'-11 24/64"
L15	669'-11 28/64"
L16	669'-11 27/64"
L17 (EAST SIDE)	670'-8 36/64"
L17 (WEST SIDE)	670'-8 38/64"
L19	℄ 670'-2 63/64"

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL, FABRICATION, PAINTING, INSPECTION, CLEANING, WELDING, WELD EXAMINATION, AND TESTING SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C2, SECTION 15493.
2. REMOVE EXISTING NOZZLE "L12" AND THE ASSOCIATED GROUT IN THE EXISTING BLOCKOUT, AND INSTALL NEW NOZZLE ASSEMBLY (L12 & L12A).
3. FILL BLOCKOUT VOID WITH NON-SHRINK GROUT, SAFETY CLASS 3, IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION, AFTER NEW NOZZLE INSTALLATION.
4. COVER BLOCKS AND JUMPERS ARE REMOVED FOR CLARITY. FOR JUMPERS SEE H-2-822290. SEE DRAWING H-2-822296 FOR COVER BLOCK MODIFICATIONS.
5. TOLERANCES: FRACTIONAL= ± 1/8", ANGULAR = ± 1°
6. ~~FIELD VERIFY INSTALLED NEW NOZZLES L12 & L12A, EXISTING NOZZLES L11, L14, L15, L16, AND L19 LOCATING DIMENSIONS AND ELEVATIONS ARE WITHIN TOLERANCE PRIOR TO FABRICATING NEW JUMPER ASSEMBLIES L12-L14-L15-L16-F-H (H-2-822293), L12A (H-2-822294), L11-F-G (H-2-822292), AND L19-H (H-2-822295). NOTE IF AS-BUILT LOCATING CRITICAL DIMENSIONS ARE NOT AS SPECIFIED, REVISE NEW JUMPER DRAWINGS (LISTED ABOVE) AND JUMPER CALCULATIONS (W058-P-016 AND W058-P-025) AS REQUIRED TO ACCOMODATE NOZZLE LOCATIONS. NOTE, JUMPER CHANGES MAY AFFECT NEW COVER BLOCK SLEEVES (H-2-822296).~~
7. ALL CALCULATIONS REQUIRED TO SUPPORT THE NEW L12 AND L12A NOZZLE INSTALLATION DESIGN ARE IDENTIFIED BY CALCULATION PACKAGE NUMBER W058-P-019, -025, -026, AND W058-P-028.
8. ANCHOR BOLTS SHALL BE "HILTI KWIK-BOLT II"(OR APPROVED EQUAL). SIZE AND LOCATION AS SHOWN ON DRAWINGS. INSTALL IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION. DUE TO STRUCTURAL REBAR INTERFERENCE WITH ANCHOR INSTALLATION, CONTRACTOR MAY RELOCATE 1/2"ø AND SMALLER KWIK-BOLTS WITHIN ± 1" OF DESIGN LOCATION.
9. ABBREVIATIONS SHALL BE IN ACCORDANCE WITH ASME Y1.1
10. ~~MARK PLATE WITH "DATUM MARKER" LETTERS IN APPROXIMATE LOCATION SHOWN BY DIE STAMPING 1/4" HIGH LETTERS WITH THE MINIMUM TIP RADIUS OF THE DIES AT .014".~~
11. ~~AFTER INSTALLATION OF DATUM MARKER AND L12 AND L12A NOZZLES, FIELD SURVEY THE LOCATING DIMENSIONS (AS SHOWN) AND DOCUMENT FOR AS-BUILTING EFFORT.~~
12. TAPER INSULLATION SLEEVE DOWN TO 6" ENCASEMENT SURFACE, (IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS) TO MAKE TRANSITION. CLEAN AND PREP ALL EXPOSED CARBON STEEL PIPE, FITTINGS, PLATE, ANCHOR BOLTS, ETC AND APPLY APPOXY COATING, SAFETY CLASS 3, (IAW MFR RECM). AFTER THE DRYING TIME, APPLY SHRINK TUBE AROUND FIBERGLASS TRANSITION AND 6"ENCASEMENT. THE SHRINK TUBING IS TO FUNCTION AS A MOISTURE BARRIER BETWEEN PIPE (6" ENC/FIBERGLASS TRANSITION) AND THE EARTH.
13. * INDICATES SIZE OF WELD TO BE PER MANUFACTURER'S RECOMMENDATIONS.
14. SEE CONSTRUCTION SPECIFICATION FOR TYPE OF PAINT, SAFETY CLASS 3, REQUIRED TO APPLY TO ALL NEW EXPOSED FERROUS METAL SURFACES WITHIN VALVE PIT 241-SY-A.
15. SEE CONSTRUCTION SPECIFICATION SECTION 16640 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS.

JAMES R. COLLINS, STATE OF WASHINGTON, 16941, REGISTERED PROFESSIONAL ENGINEER, 12/2/97
EXPIRES: 11/11/99

NUMBER	TITLE
H-2-37780	PIPING PLAN, VALVE PITS
DRAWING TRACEABILITY LIST	

NUMBER	TITLE
H-2-30600	STD SQ KICK-OFF PLATE
H-2-83572	2" MALE NOZ, PUREX TYPE
H-2-83573	3" MALE NOZ, PUREX TYPE
W-058-C2	W-058 CONSTRUCTION SPEC
H-2-822200	DRAWING LIST
REFERENCES	
NEXT USED ON	H-2-822290

MF	REV NO.	DESCRIPTION	REV BY DATE	KEH APPROVALS	APVD FOR IMPL/INC FOR DATE
S	2	331. 60, 123, 171, 174, 213, AND REVISED PER ECN W-058-016, W-058 PROJECT TURNOVER	RLR 8/97	JPL 12/2/97	MK 12/2/97

REVISIONS

CAD FILE B822291A | CAD CODE 2J:IBM:ACD2:12.0:NN | XREF N

M

DESIGNED WM ZICKUHR	DATE	SAFETY CLASS 1,EXCEPT AS NOTED	USE CONSTRUCTION
DSGN ENGR KELLY K. HAYASE	8-25-1995		EDT 612961
CHECKED L. HALL	8-25-1995	U.S. DEPARTMENT OF ENERGY RICHLAND OPERATIONS OFFICE ICF KAISER HANFORD COMPANY	
SAFETY SEE DR/AT FORM			
ENVIR SEE DR/AT FORM		PIPING PLANS, SECTIONS, & DETAILS VALVE PIT 241-SY-A	
QUAL ENGR SEE DR/AT FORM			
LEAD ENGR J.R. COLLINS	8-25-1995		
REVIEW NO. 10	8-25-1995	PROJECT W - 058, REPLACEMENT OF CROSS - SITE TRANSFER SYSTEM	
APPROVED FOR IMPLEMENTATION BY C. VAN KATWIJK FOR WHC DATE 8-26-95		SIZE F / BLDG NO. 241-SY / INDEX NO. 0402 / DWG NO. H-2-822291	REV NO. 2
		SCALE SHOWN / JOB NO. CR1320	SHEET 1 OF 2

2 PLOT SCALE: 1=1 | KEHCAD | 1

KEH 0350.00 (03/94) STRTKIDHP: 19940303.0800