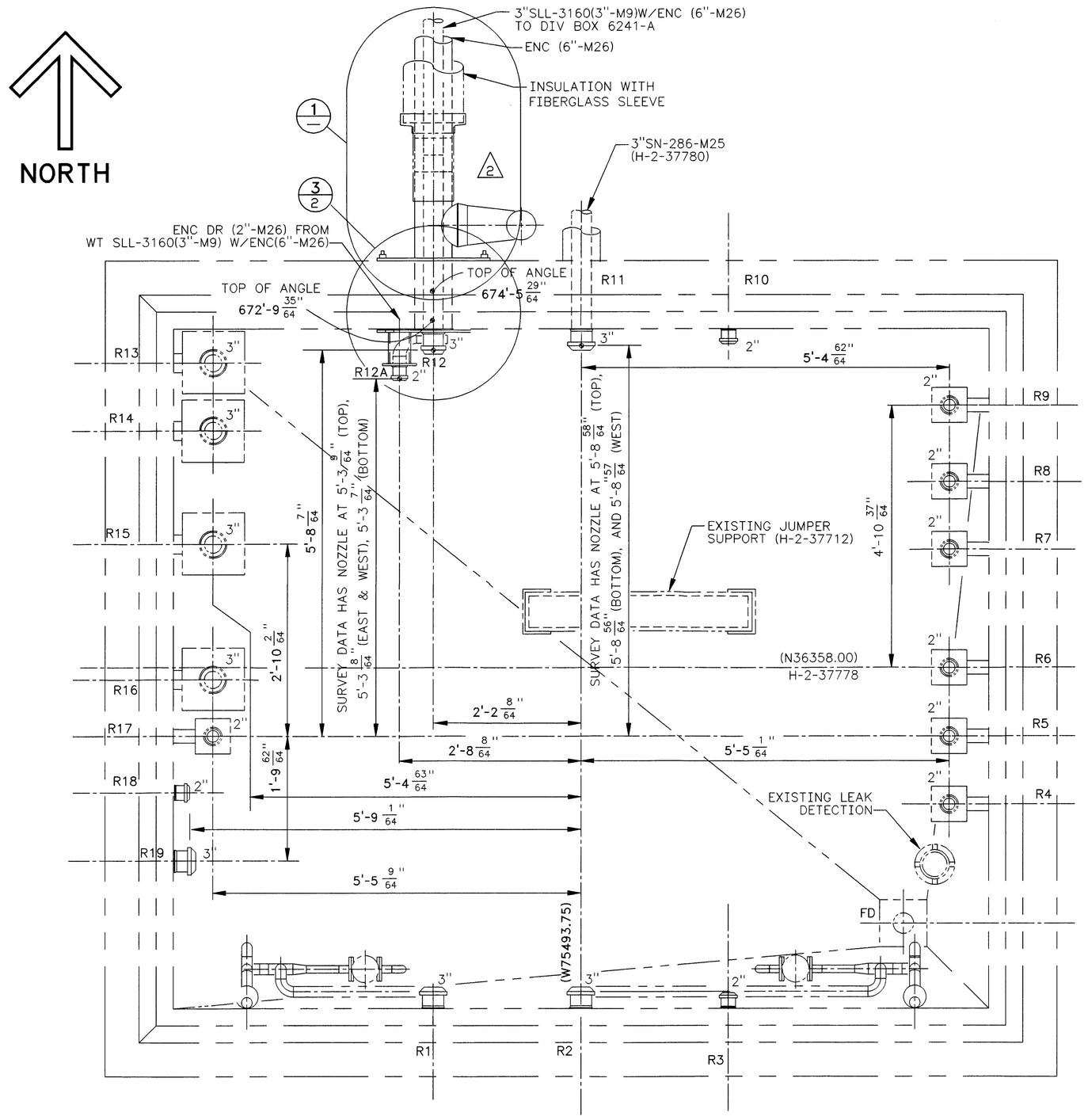
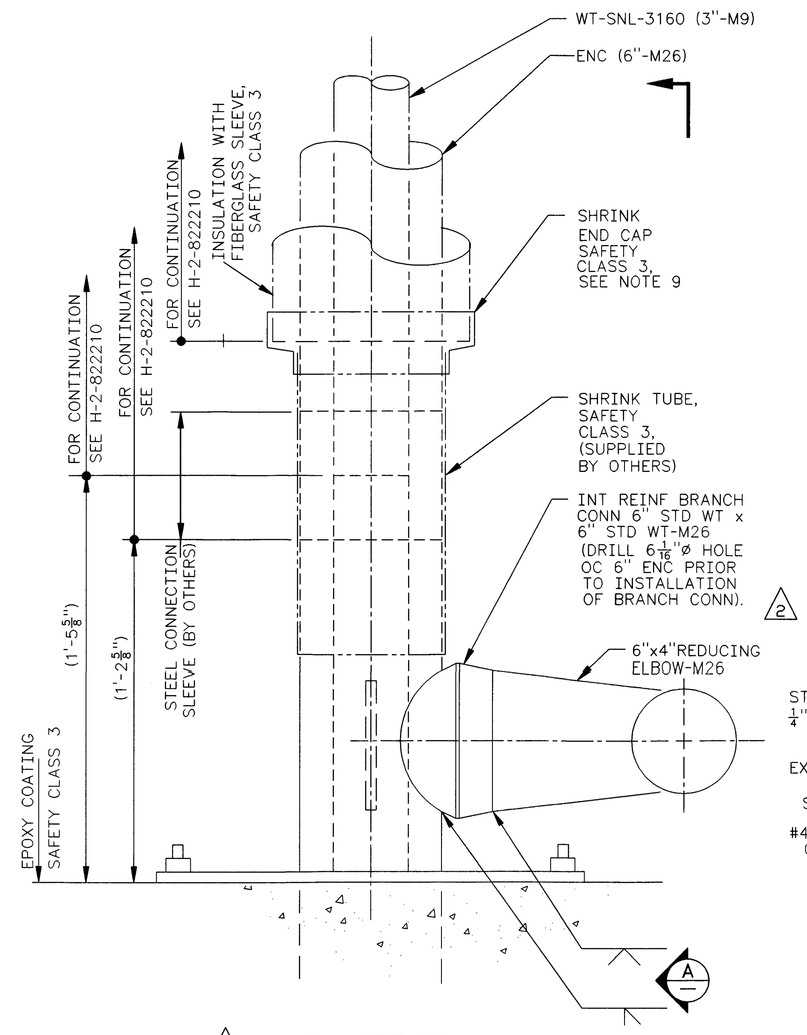
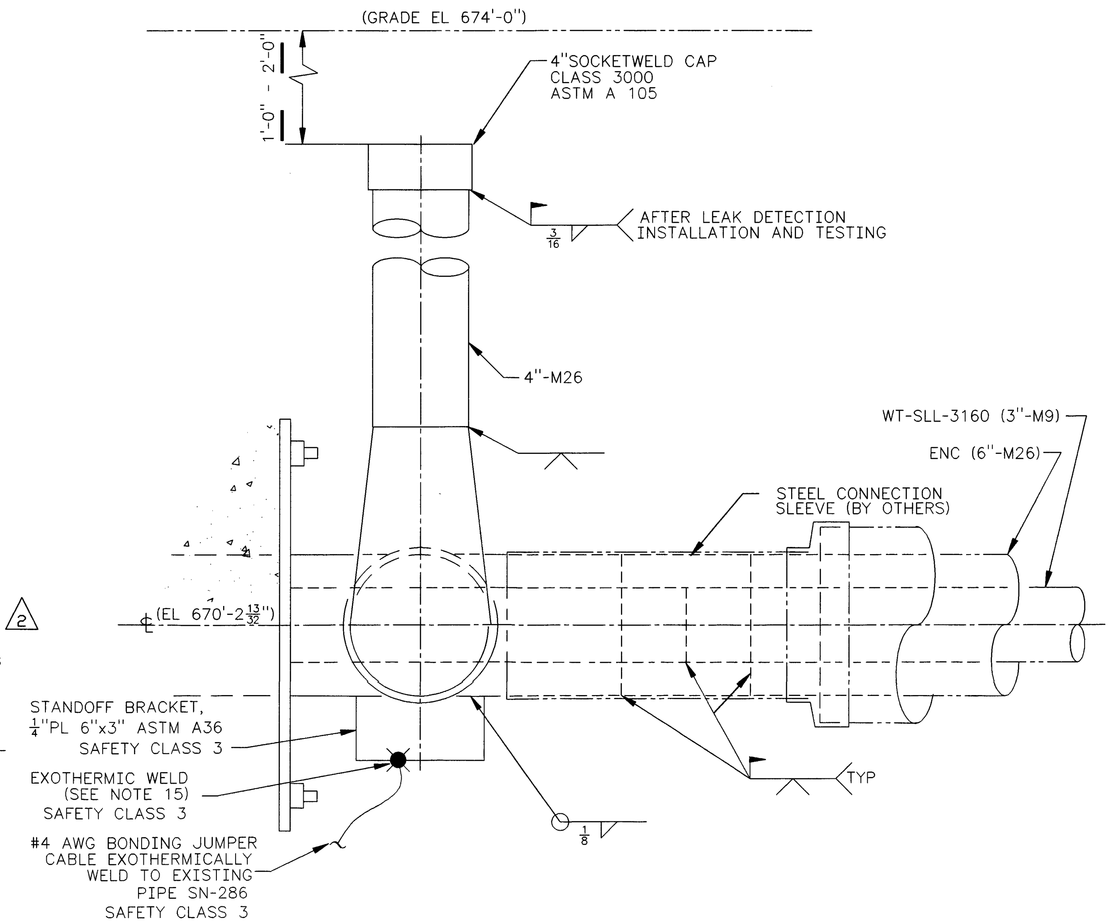


VALVE PIT 241-SY-B(H-2-37780)
SEE NOTE 4

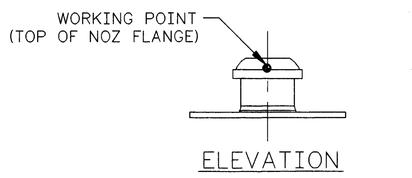
PLAN
SCALE:1"=1'-0"



DETAIL
SCALE : 3"=1'-0"



SECTION
SCALE : 3"=1'-0"



ELEVATION

DETAIL
SCALE : NONE

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL, FABRICATION, PAINTING, INSPECTION, CLEANING, EXAMINATION, AND TESTING SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C2, SECTION 15493.
2. REMOVE EXISTING NOZZLE "R12" AND ASSOCIATED GROUT IN EXISTING BLOCKOUT, AND INSTALL NEW NOZZLE ASSEMBLY (R12 & R12A).
3. FILL BLOCKOUT VOID WITH NON-SHRINK GROUT, SAFETY CLASS 3, IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION, AFTER NOZZLE INSTALLATION.
4. COVER BLOCKS, AND JUMPERS ARE REMOVED FOR CLARITY. FOR JUMPERS SEE JUMPER ARRANGEMENT, H-2-822300. SEE H-2-822305 FOR MODIFICATION TO EXISTING COVER BLOCK.
5. TOLERANCES: FRACTIONAL= ± 1/8", ANGULAR = ± 1°
6. SEE CONSTRUCTION SPECIFICATION FOR TYPE OF PAINT, SAFETY CLASS 3, ALL NEW EXPOSED FERROUS METAL SURFACES WITHIN EXISTING VALVE PIT 241-SY-B.
7. ALL CALCULATIONS REQUIRED TO SUPPORT THE NEW R12 & R12A 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. * INDICATES SIZE OF WELD TO BE PER MANUFACTURER'S RECOMMENDATION.
11.
12.
13. TAPER FIBERGLASS SLEEVE DOWN TO 6" ENCASEMENT SURFACE, USING FIBERGLASS (IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS) TO MAKE TRANSITION. CLEAN AND PREP ALL EXPOSED CARBON STEEL PIPE, FITTINGS, PLATE, ANCHOR BOLTS, ETC... AND APPLY PAINT, SAFETY CLASS 3, (IAW MFR REQM). 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.
14.
15. SEE CONSTRUCTION SPECIFICATION SECTION 16640 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS.

NOZZLE ELEVATIONS

NOZZLE NO.	ELEVATION
R5	670'-0 1/64"
R7	670'-0 1/64"
R9	670'-0 0/64"
R11	℄671'-3 6/64"
R12	℄ 670'-2 11/64"
R12A	℄ 669'-4 14/64"
R15	℄669'-11 33/64"
R17	℄670'-8 46/64"
R19	℄670'-3 0/64"

JAMES R. COLLINS, STATE OF WASHINGTON, 16941, REGISTERED PROFESSIONAL ENGINEER
3/12/97
EXPIRES: 11/11/97

NUMBER	TITLE
H-2-37780	PIPING PLAN, VALVE PITS

DRAWING TRACEABILITY LIST

NUMBER	TITLE
H-2-30600	STD SQ KICKOFF PLATE
H-2-83572	2" MALE NOZZLE, PUREX TYPE
H-2-83573	3" MALE NOZZLE, PUREX TYPE
W-058-C2	W-058 CONSTRUCTION SPEC
H-2-822200	DRAWING LIST

REFERENCES — NEXT USED ON H-2-822300

REV NO.	DESCRIPTION	REV BY DATE	KEH APPROVALS	APVD FOR IMPL/INC FOR DATE
2	123, 171, 174, 213 & 331: INCORPORATED ECN W058-60, W-058 PROJECT TURNOVER	RBC 8/97	10/2/97	12/1/97

REVISIONS — CAD FILE B822301A, CAD CODE 2J:IBM:ACD2:12.0:NN, XREFS N

M

DESIGNED Wm ZICKUHR	DATE 6-26-95	SAFETY CLASS 1, EXCEPT AS NOTED	USE CONSTRUCTION
DSGN ENGR KELLY K HAYASE	6-26-95		EDT 612961
CHECKED L HALL	6-26-95	U.S. DEPARTMENT OF ENERGY	
SAFETY SEE DR/AT FORM		RICHLAND OPERATIONS OFFICE	
ENVIR SEE DR/AT FORM		ICF KAISER HANFORD COMPANY	
QUAL ENGR SEE DR/AT FORM		PIPING	
LEAD ENGR J.R. COLLINS	6-26-95	PLANS, SECTIONS & DETAILS	
REVIEW NO. 9	6-26-95	VALVE PIT 241-SY-B	

APPROVED FOR IMPLEMENTATION BY C. VAN KATWIJK FOR WHC DATE 8-26-95

PROJECT W058, REPLACEMENT OF CROSS - SITE TRANSFER SYSTEM

SIZE	BLDG NO.	INDEX NO.	DWG NO.	REV NO.
F	241-SY	8407	H-2-822301	2

SCALE SHOWN — JOB NO. CR1320 — SHEET 1 OF 2

PLOT SCALE: 1=1 — KEHCAD 1

KEH 0350.00.003/241
STRTKEH#: 1994G303.0900