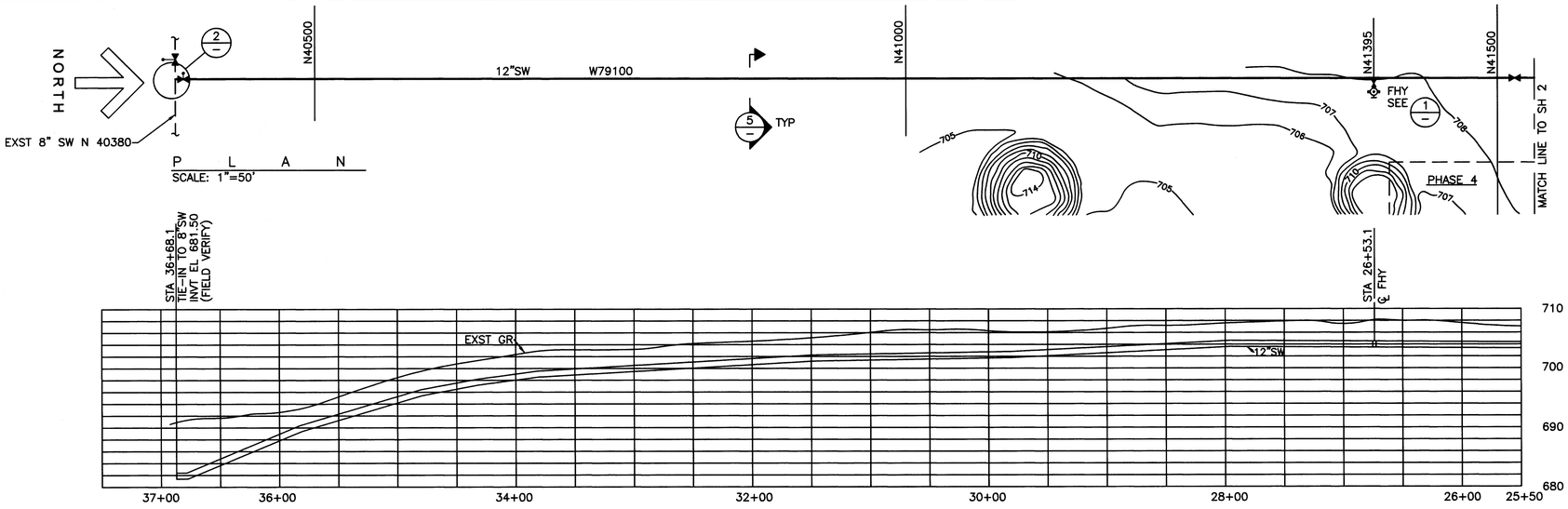
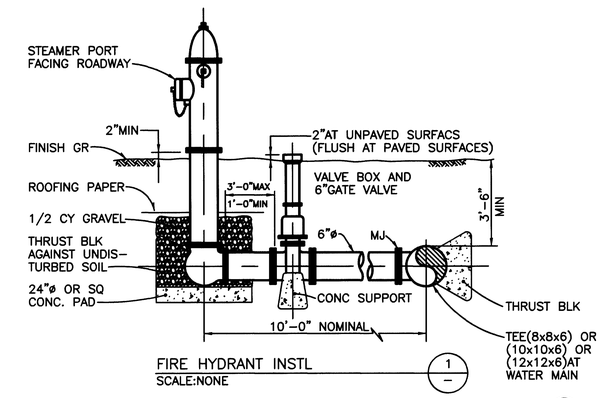
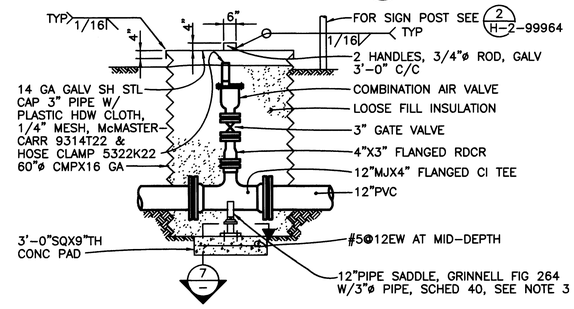


P L A N
SCALE: 1"=50'

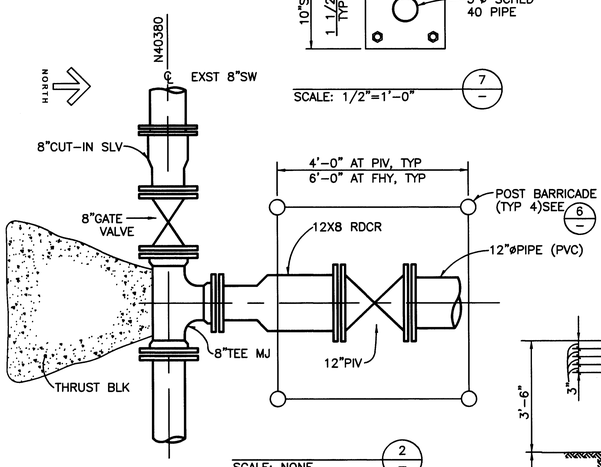
P R O F I L E
SCALE: HORIZ 1"=50' VERT 1"=10'



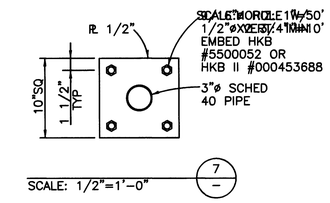
FIRE HYDRANT INSTL 1
SCALE:NONE



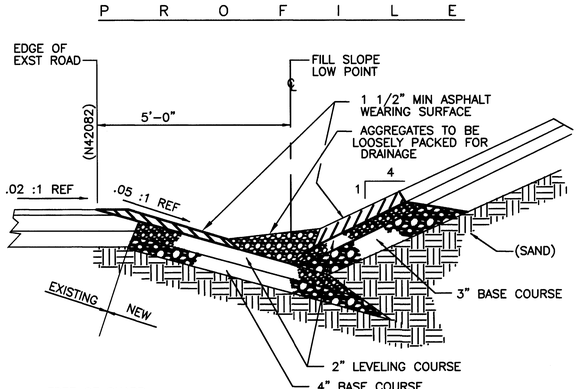
MANHOLE 9
SCALE: 3/8"=1'-0"



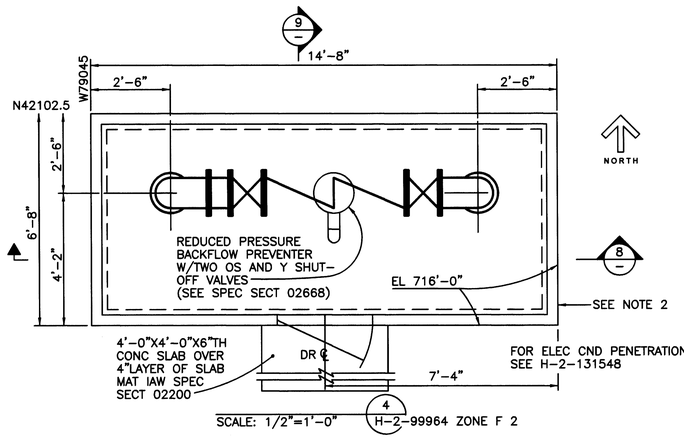
SCALE: NONE 2



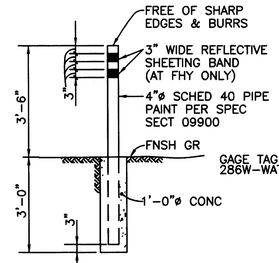
SCALE: 1/2"=1'-0" 7



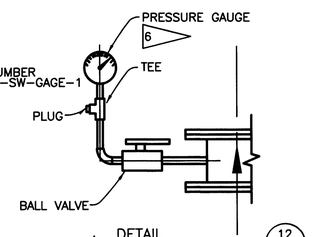
2 DRAINAGE FILL SECT 11 -,H-2-99964
SCALE: NTS



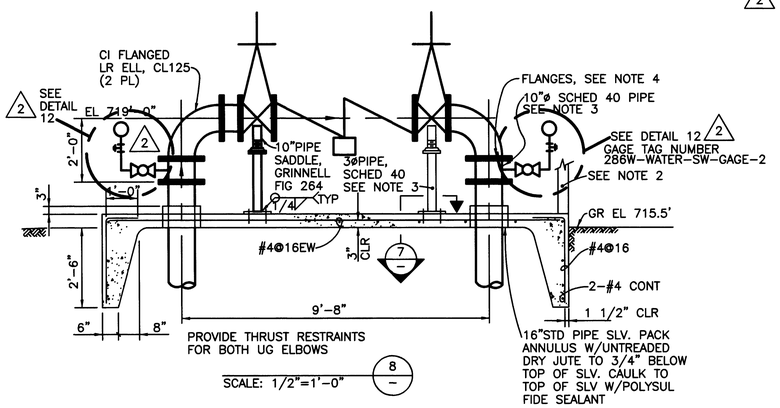
SCALE: 1/2"=1'-0" 4 H-2-99964 ZONE F 2



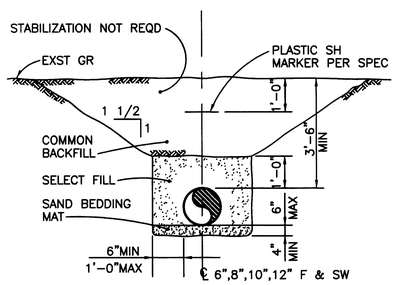
POST BARRICADE 6
SCALE: 1/2"=1'-0"



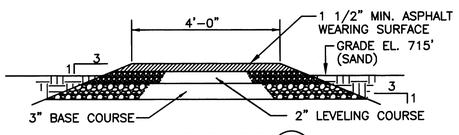
2 DETAIL 12
SCALE: NONE
NOTE:
VALVE & PIPING PER M-36 (H-2-31750-36)



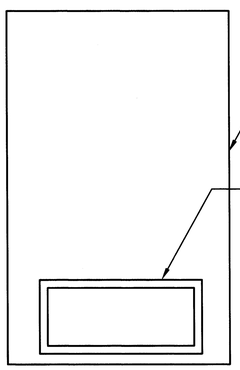
SCALE: 1/2"=1'-0" 8



TYP SECTION 5
SCALE: 1/2"=1'-0" -,H-2-99964



2 PATH SURFACE SECT 10 -,H-2-99964
SCALE: NTS



DOOR EL
SCALE: NONE

2 6 QL-2 GAUGE DUE TO CALIBRATION REQUIREMENTS. THE GAUGE WILL MEET THE ACCURACY REQUIRMENTS LISTED IN HNF-SD-WM-SEL-012 (SAFETY EQUIMENT LIST (SEL). LOW LEVEL BURIAL GROUND & CENTRAL WASTE COMPLEX SAFETY SIGNIFICANT SYSTEMS). GAUGE SHALL BE APPROVED BY THE WATER PURVEYOR.

2 7. DETAIL 12 ONLY APPLIES TO BLDG 286W

PIPE SIZE	THRUST BLOCK BEARING AREA (FT2)		
	45°BEND	90°BEND	TEES,PLUGS,CAPS & HYDRANTS
6"	–	6.25	6,25
8"	–	10.5	9.0
10"	–	15.0	12.0
12"	24.0	21.0	18.0

H-2-99965 SH1 REV 0 VOIDED BY ECN-W016-50

NOTES:

1. FOR LEGEND SEE H-2-99963
2. BACKFLOW PREVENTER BLDG BASE DESIGN-ARMCO TEC-LINE 1 BLDG, 10 FOOT EAVE HEIGHT, SEE SPEC. SECTION 13120. BLDG DIMENSIONS ARE MINIMUM.
3. PIPE SHALL BE BLACK STEEL, ASTM A53, TYPE S, GRADE B OR ASTM A106, GRADE B.
4. FLANGES SHALL BE ASTM A105, RAISED FACE, WELD NECK, CL 150, IN ACCORDANCE WITH ANSI B16.5, BORE TO MATCH PIPE ID. BOLTS SHALL BE CARBON STEEL, HEAVY HEX SERIES, ASTM A 307, GRADE B. NUTS SHALL BE HEAVY HEX, ASTM A 563, GRADE A GASKETS SHALL BE COMPRESSED SYNTHETIC FIBER, 1/6"THICK, ANCHOR PACKING NO. 443.
5. ALL BURIED VALVES SHALL BE PROVIDED WITH A CI VALVE BOX, COMPLETE WITH COLLAR & LID, WHICH EXTENDS TO GRADE.

NOV 04 2010 DATE: STA: 5 HANFORD RELEASE ID: 12

Approved for Public Release;
Further Dissemination Unlimited

DWG NO	TITLE
DRAWING TRACEABILITY LIST	

H-2-99963	DRAWING LIST
REF NUMBER	TITLE
REFERENCES	
NEXT USED ON	END ITEM

REV NO	DESCRIPTION	REV BY DATE	CHKD BY DATE	DFTD APVD DATE	ENGR COMPANY
S 3 RS	REVISED PER HNF-FMP-04-19652-R0, HNF-FMP-03-14423-R0	PRW 7/10			
REV NO	REVISIONS				

NAME	DATE	COMPANY
DRAWN BY E. OSTROM	12-13-99	KEH
DESIGN M.S.RUBEN	12-11-99	KEH
ENGR W.ARCHEBALD	12-13-99	KEH
PROJ ENGR R.G.HOLLENBECK	12-13-99	KEH
CM REP R.D. HAYS	12-13-99	KEH
QA ENGR C. M. CONSELMAN	12-13-99	KEH
CSH REP N/A	12-13-99	
DESIGN AUTHORITY R.L. MOYER	12-19-99	WHC

U.S. DEPARTMENT OF ENERGY
Richland Operations Office

CIVIL
PLAN & PROFILE
-12" SW

SIZE	BLDG NO	INDEX NO	DWG NO	REV
F	285W	0301	H-2-99965	3
SCALE	SHOWN	EDT	CR 9106	SHEET 3 OF

10/28/2010 10:31:05 ASH-2-99965-3 DOE_TB_F.DWG (01-01)

REV 3
SH 3 OF
H-2-99965
DWG NO