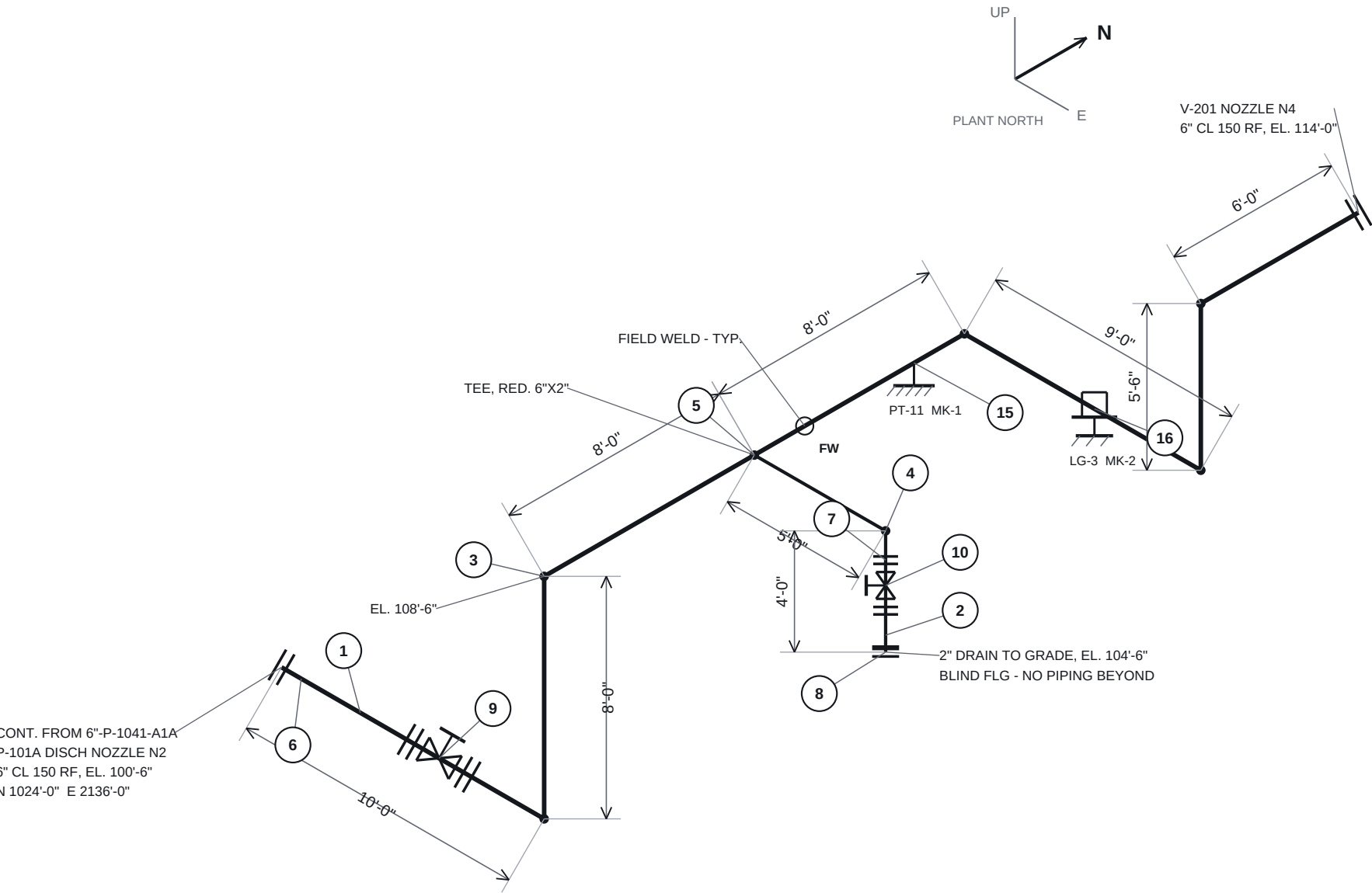


PIPING ISOMETRIC

LINE 6"-P-1042-A1A

FROM P-101A DISCHARGE TO V-201 NOZZLE N4

SAMPLE DRAWING - FICTITIOUS DATA - NOT FOR CONSTRUCTION



- NOTES:
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE AND FACE OF FLANGE UNLESS NOTED OTHERWISE.
 - WELDS MARKED "FW" ARE FIELD WELDS. ALL OTHER WELDS ARE SHOP WELDS.
 - ELEVATIONS ARE TO CENTERLINE OF PIPE UNLESS NOTED OTHERWISE.
 - ALL MATERIAL PER PIPING SPECIFICATION A1A. SUBSTITUTIONS REQUIRE ENGINEERING APPROVAL.
 - LINE TO BE FIELD HYDROTESTED AT 225 PSIG FOR 2 HOURS MINIMUM.
 - SHOE PT-11 AND LINE GUIDE LG-3 ARE DETAILED ON DRAWING SD-900.
 - THIS DRAWING IS SAMPLE DATA GENERATED FOR SOFTWARE DEMONSTRATION ONLY.

BILL OF MATERIAL

ITEM	QTY	SIZE	DESCRIPTION	SPEC	TAG
1	54'-6"	6"	PIPE SMLS S40 BEV; A106-B; B36.10	A1A	
2	9'-0"	2"	PIPE SMLS S80 BEV; A106-B; B36.10	A1A	
3	5	6"	ELL 90 LR BW S40; A234-WPB; B16.9	A1A	
4	1	2"	ELL 90 LR BW S80; A234-WPB; B16.9	A1A	
5	1	6"X2"	TEE RED BW S40 x S80; A234-WPB; B16.9	A1A	
6	4	6"	WN FLG 150# RF S40 BORE; A105; B16.5	A1A	
7	3	2"	WN FLG 150# RF S80 BORE; A105; B16.5	A1A	
8	1	2"	BLIND FLG 150# RF; A105; B16.5	A1A	
9	1	6"	GATE VLV 150# RF OS&Y BB; WCB / F6 TRIM; API 600	A1A	GV-1042A
10	1	2"	GATE VLV 150# RF COMPACT; A105 / F6 TRIM; API 602	A1A	GV-1042B
11	4	6"	GSKT SPWD 150# CS RING; 316 WDG / GRAPH FILL; B16.20	A1A	
12	3	2"	GSKT SPWD 150# CS RING; 316 WDG / GRAPH FILL; B16.20	A1A	
13	4	3/4" X 4 1/4"	STUD BOLT + 2 HH NUTS; A193-B7 / A194-2H	A1A	
14	3	5/8" X 3 1/2"	STUD BOLT + 2 HH NUTS; A193-B7 / A194-2H	A1A	
15	1	6"	SHOE WELDED TEE 5" H x 14" LG; CS; DTL PT-11		PT-11
16	1	6"	LINE GUIDE ANGLE TYPE 1/8" GAP; CS GALV; DTL LG-3		LG-3

FABRICATION SUMMARY	
SHOP BUTT WELDS	6
FIELD BUTT WELDS	1
FLANGED JOINTS	7
6" PIPE, LINEAR	54'-6"
2" PIPE, LINEAR	9'-0"
EST. ERECTED WEIGHT	1,240 LB

REV	DESCRIPTION	DATE	BY
0	ISSUED FOR REVIEW - SAMPLE DATA	14 SEP 26	JR
A	PRELIMINARY - DESIGN CHECK	02 SEP 26	JR

PROJECT DEMO PROJECT 2026 / UNIT 200 - PROCESS WATER			
CLIENT	SAMPLE CLIENT (FICTITIOUS)	AREA	200
LINE NUMBER	6"-P-1042-A1A	PIPING SPEC	A1A (CS, CL 150)
SERVICE	PROCESS WATER	DESIGN	150 PSIG @ 250 DEG F
INSULATION	NONE	TEST	225 PSIG HYDRO
PAINT SYSTEM	SYS-2	PWHT	NO
N.D.E.	5% RT	SCALE	NONE (ISOMETRIC)
DRAWING NUMBER ISO-1042-001 SHEET 1 OF 1		REV 0	DATE 14 SEP 2026
DRAWN J.RIVERA CHK M.OKONKWO APPR S.DELACROIX			