BILL OF MATERIAL

WELDING FITTINGS

Req'd.	Size	W.T.	Item	Req'd.	Size	W.T.	Item
6	6	S/40 A-234	W. Ell.				W. Tee
			W. Ell.				W. Tee
			W. Ell.				
				1	4"	S/40 A-234	W. Cap
			S.R.W. Ell.				
							W. Red
			45° Ell.				W. Red
			45° Ell.				
							XH. S.W. T.S.E.
							XH. S.W. T.S.E.

FLANGED

Req'd.	Size	Press	Bore	Req'd.	Size	Press	Bore
1	4	150# RF	S.O. Fig.				W.N.
			S.O. Fig.				W.N.
							W.N.
			Blind Fig.				
			Blind Fig.				Scr'd.

SCREWED OR SW FITTINGS

Req'd.	Size	Item	Req'd.	Size	Item
		90° Ell.			Tee
		90° Ell.			Tee
		90° Ell.			
1	6x3/4	S/80 3000# S.O.L.			Union
		Full Cplg.			Union
		Full Cplg.			
1	4x3/4	S/80 3000# S-O-L			X.H. S.W. T.B.E.
		X.H. Pipe Nip.			X.H. S.W. T.B.E.
		X.H. Pipe Nip.	1	1	S/80 Scr'd. Plug
		X.H. Pipe Nip.	1	3/4	S/80 Scr'd. Stl. Plug
1	4x1	S/80 3000# SOL			Stl. Bushing

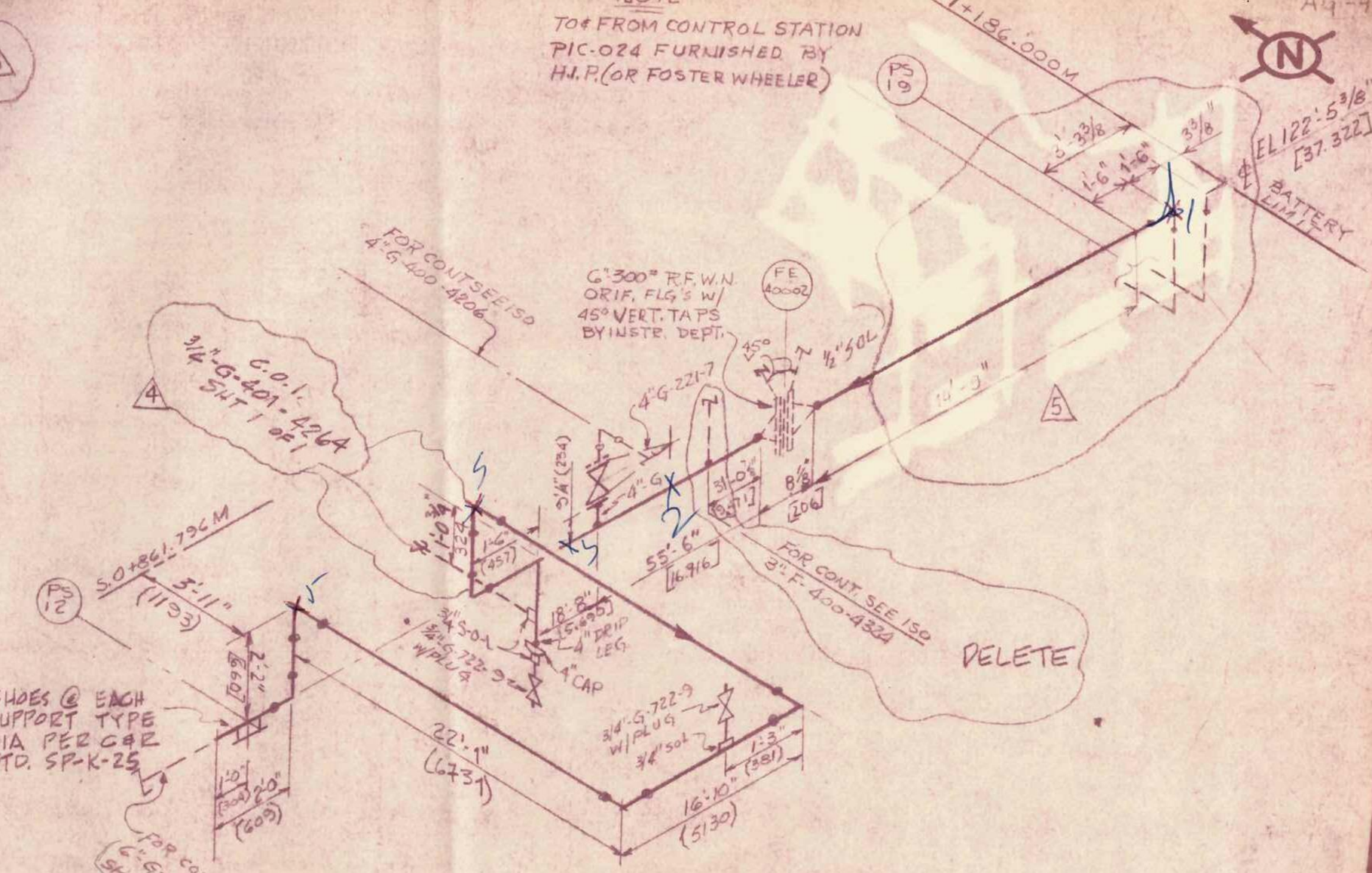
VALVES

Item	Q	S	Fig. No.	Q	S	Fig. No.
Gate	1	3/4	G-722-9	1	4	G-221-7
Gate	1	1"	G-722-9			
Plug						
Check						

PIPE & MISC.

Gaskets - 1	4" 150 RF 1/16 ASB.		
Bolts - 4	5/8 x 3 1/2 B7 STUDS		
143 Ft.	6" Sch. 40 A-53 GR A/B BE.		Smls. Pipe
3 Ft.	4" Sch. S O O O S		Smls. Pipe
Ft.	Sch.		Smls. Pipe

NOTE
TO¢ FROM CONTROL STATION PIC-024 FURNISHED BY H.I.P. (OR FOSTER WHEELER)



APPROVED FOR CONSTRUCTION
DATE 3 28 1974
CRAWFORD & RUSSELL, INC.

REV. 5 MADE BY HIP!

	REV. CONTROL STATION LOCAT.	S.T.
5	REVISED DIM.	
3	REVISED DIM.	
2	GENERAL REVISIONS	
1	SHEET 1 OF 4 TO 1 OF 5 (4th)	
4	REV. AS NOTED	

Drn/App: BB/DSB; D.SAK; TM/DSB; PM/TMM

Stress Analyzed; Stress Relieve Per Spec. —

Temp. 28; Pressure 10.5; Insulation 60 A.C.

Area 400; Color Code —; Reference Plan Dwg. P-401, P-402

Field Fab.; Shop Fab.

CRAWFORD & RUSSELL INCORPORATED HOUSTON, TX

Date	Drawn By	Job No.	Commodity
5/3/73	G.S.	71219	I.P. STEAM

Chkd. RLB; Appr. TMM; Appr. PMS

Line No. 6"-G-400-4200

Sheet No. 1 of 5

AG-4