TER.	ALIGNMENT	RODS	OWNERSHIP
	LINE R/W NO. 78115		
	345I8+00 MATCH LINE	514.848	MIKAMI BROTHERS, ET AL G-2
	34528+50 6⅝" PLASTIC FENCE LINE		
	34529+53.1 IRR SPINDLE TIE		
	34535+98.2M P.1046		
	34550+51.2 IRR SPINDLE TIE		
	34566+53.9 IRR SPINDLE TIE		
	SURVEY & ℄ EXIST. 22" O.D. LINE		
	℄ PROP. 30" O.D. LOOP LINE		
	34568+78.2M P.1047		
	34568+69.4 IRR SPINDLE TIE		
	34590+37 10 5/4" STEEL WELL LINE		
	34590+47 TEL. CABLE		
	34602+95 ℄ ROAD		COUNTY DIRT ROAD 20' R/W (1939 Agreement)
	34603+09 FC, RGE. LN. & PWR. LINE	0.891	MIKAMI BROTHERS, ET AL G-2
	N 67°05' W	288.079	WILLIAM E. RATTRAY, ET UX G-1
	34618+11 8" WTR. LINE		
	34618+30 4 IRR SPINDLE TIE		
	34619+26 WATER PUMP TIE		
	34625+06 12" WTR. LINE		
	34638+99 PWR. CABLE		
	34641+27 2" WTR. LINE		
	34641+58.8M. P.1048		
	34650+63 ¼ LINE		
	34650+97 BLDG. TIE		
	34651+25 STA. FC TIE	3939	NORTHWEST PIPELINE CORPORATION
	N 64°01' W		
	34651+28 END SURVEY		

BEARING EQUATION
N 64°01' W BK.=
N 64°41' W AH.

MATERIAL DETAIL

NOTE: STATIONING IS BASED ON HORIZONTAL CHAINING

PIPE LENGTHS ARE SLACK CHAINED

LEGEND

- WELD-O-LET
- WELD SADDLE
- WELD TEE
- SPLIT TEE
- WELD ELL
- VENT & SIZE
- DRIP
- BOLT-ON RIVER WEIGHT -
- SET-ON RIVER WEIGHT -
- ELECTROLYSIS TEST LEAD
- WELD CAP
- WELD REDUCER
- FLANGES
- BLOW-OFF & SIZE
- CATHODIC PROTECTION STATION & NO.
- CONC. ANCHOR & ANCHOR FLANGE
- PLUG VALVE - SIZE & RATING
- GATE VALVE - SIZE & RATING
- BALL VALVE - SIZE & RATING
- CHECK VALVE - SIZE & RATING
- REGULATOR - SIZE & RATING

SOLID VALVE DENOTES FULL OPENING

MATERIAL DATA

PIPE	COATING	PIPE	COATING

REFERENCE DRAWINGS

REVISIONS

NO	DATE	BY	DESCRIPTION

ENGINEERING RECORD

DRAWN BY	Aero-Graphics
CHECKED BY	Aero-Graphics
APPROVED	
DATE	
PHOTO DATE	7-21-75

0 1000 2000 3000
SCALE IN FEET

NORTHWEST PIPELINE CORPORATION

PRELIMINARY ALIGNMENT
PAN-ALBERTA GAS PROJECT
30" O.D. IGNACIO TO SUMAS LOOP LINE
M. P. 1045.66 TO M. P. 1048.18
TWS. 4-N, RANGE 30-E & 29-E
UMATILLA COUNTY, OREGON

DWG. NO. 1401.0-191

REV.

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