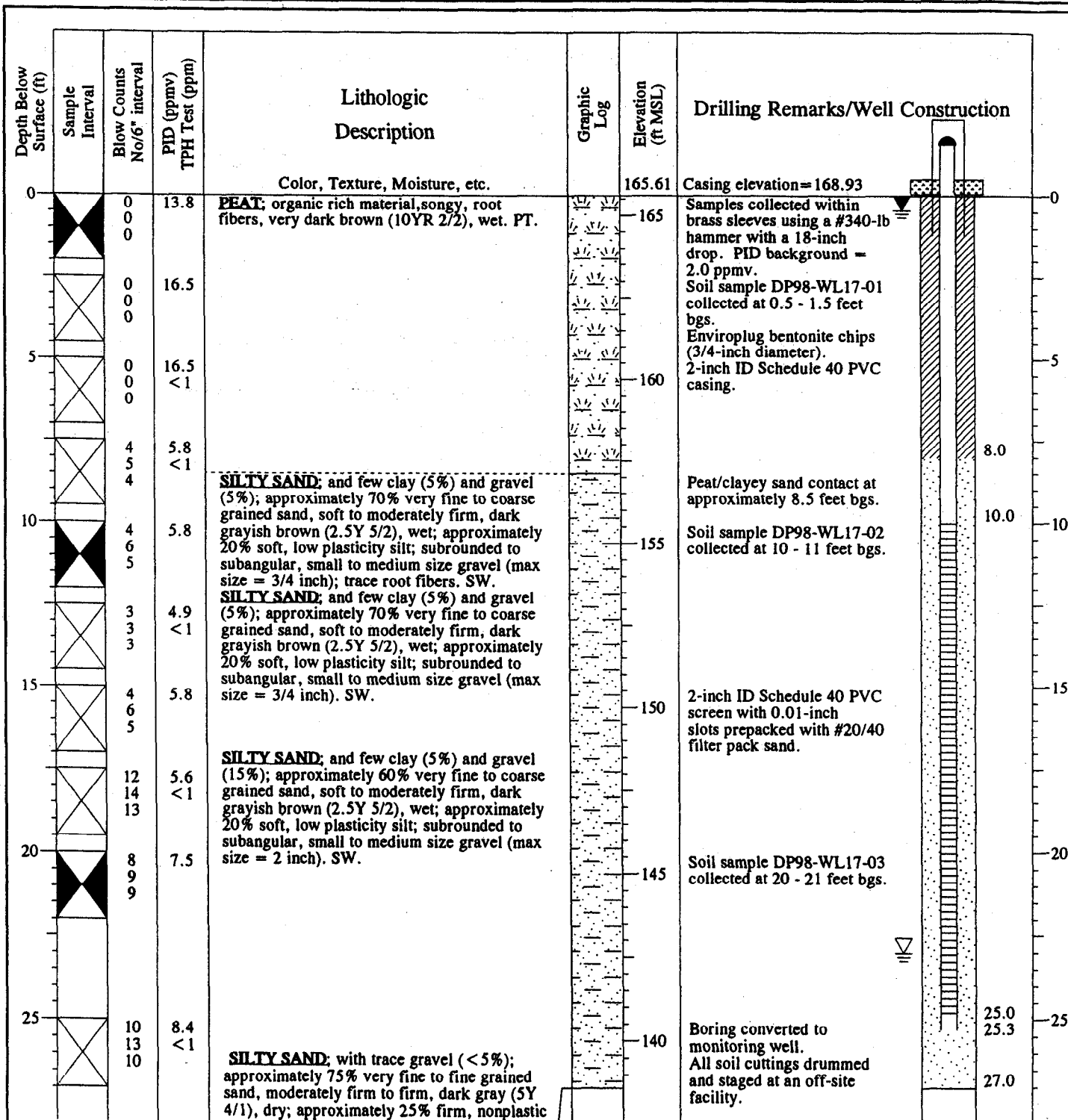


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LOG OF DRILLING OPERATIONS

PROJECT	Site Characterization at DP98		LOCATION	Elmendorf AFB, Alaska	
TOTAL DEPTH	27.00	START DATE	8/30/00	FINISH DATE	8/30/00
GEOLOGIST	J. Norberg	APPROVED BY	C. Denver	R.G.#	
DRILLING COMPANY	Discovery Drilling		DRILLER	Calvin Frey	
DRILLING METHOD	Hollow Stem Auger		EQUIPMENT	CME 75	
DRILL BIT TYPE AND SIZE	Bullet				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Located approximately 140 feet northwest of monitoring well 41755-WL09. Northing: 2654763.13 Easting: 1667362.47				


****NOTES****

bgs - below ground surface ID - Inside Diameter

PID/FID - Photobionization/Flame Ionization Detector

ppm(v) - parts per million (by volume)

DP98001885

First Water ∇ 23.00At time of development ∇ 0.45

SB 14-3-32 ABAD

LOG OF DRILLING OPERATIONS.

PROJECT	Site Characterization at DP98	LOCATION	Elmendorf AFB, Alaska
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Depth Below Surface (ft)	Sample Interval	Blow Counts No/6" interval	PID (ppmv) TPH Test (ppm)	Lithologic Description	Graphic Log	Elevation (ft MSL)	Drilling Remarks/Well Construction
				Color, Texture, Moisture, etc. silt; subrounded to subangular, small size gravel (max size = 1/2 inch). SM. End of Boring 27.0 ft bgs.			

DP98001886

SB 14-3-32 ABAD

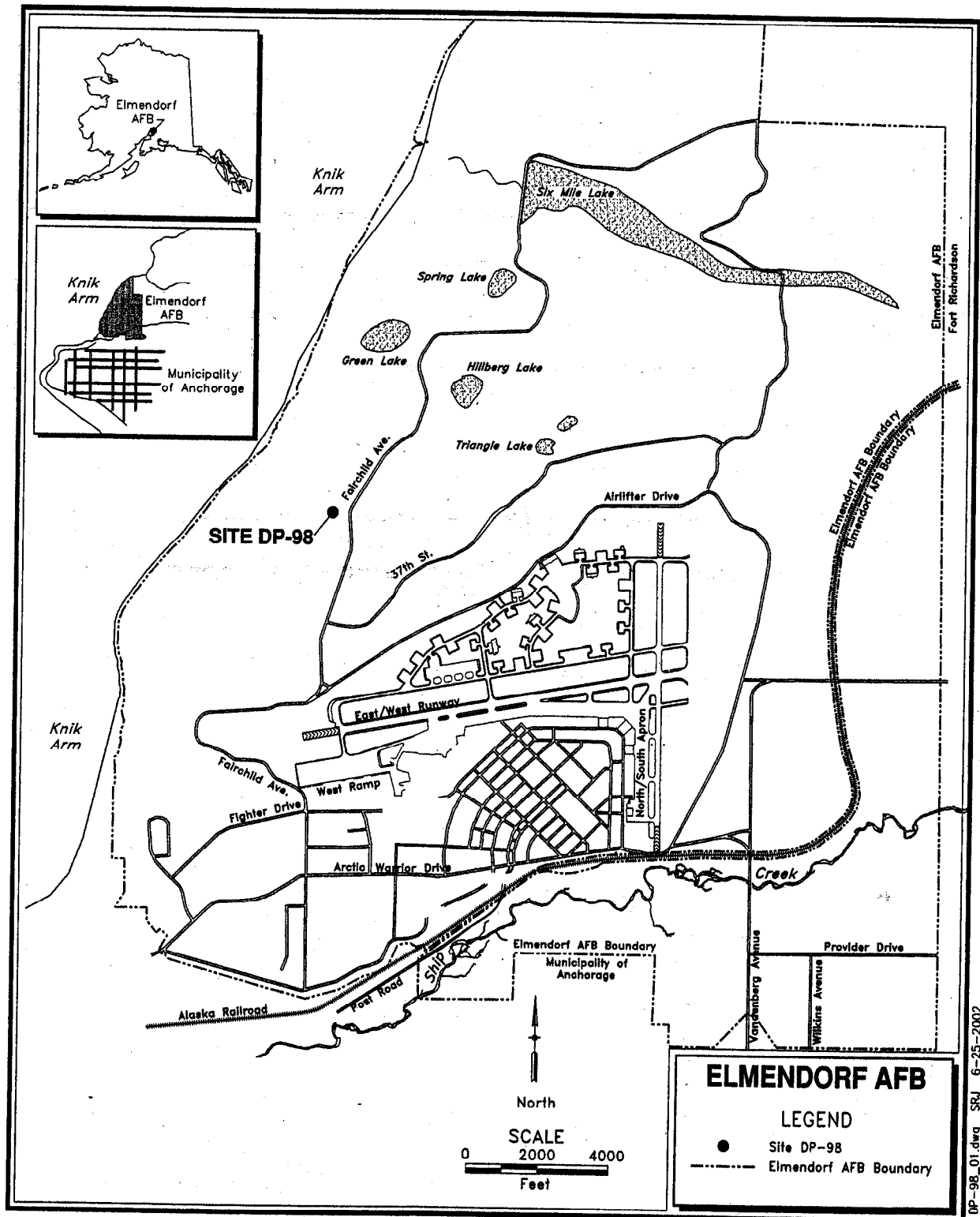


Figure 1-1. Location of Site DP98, Elmendorf AFB, Alaska

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SB 14-3-32 ABAD

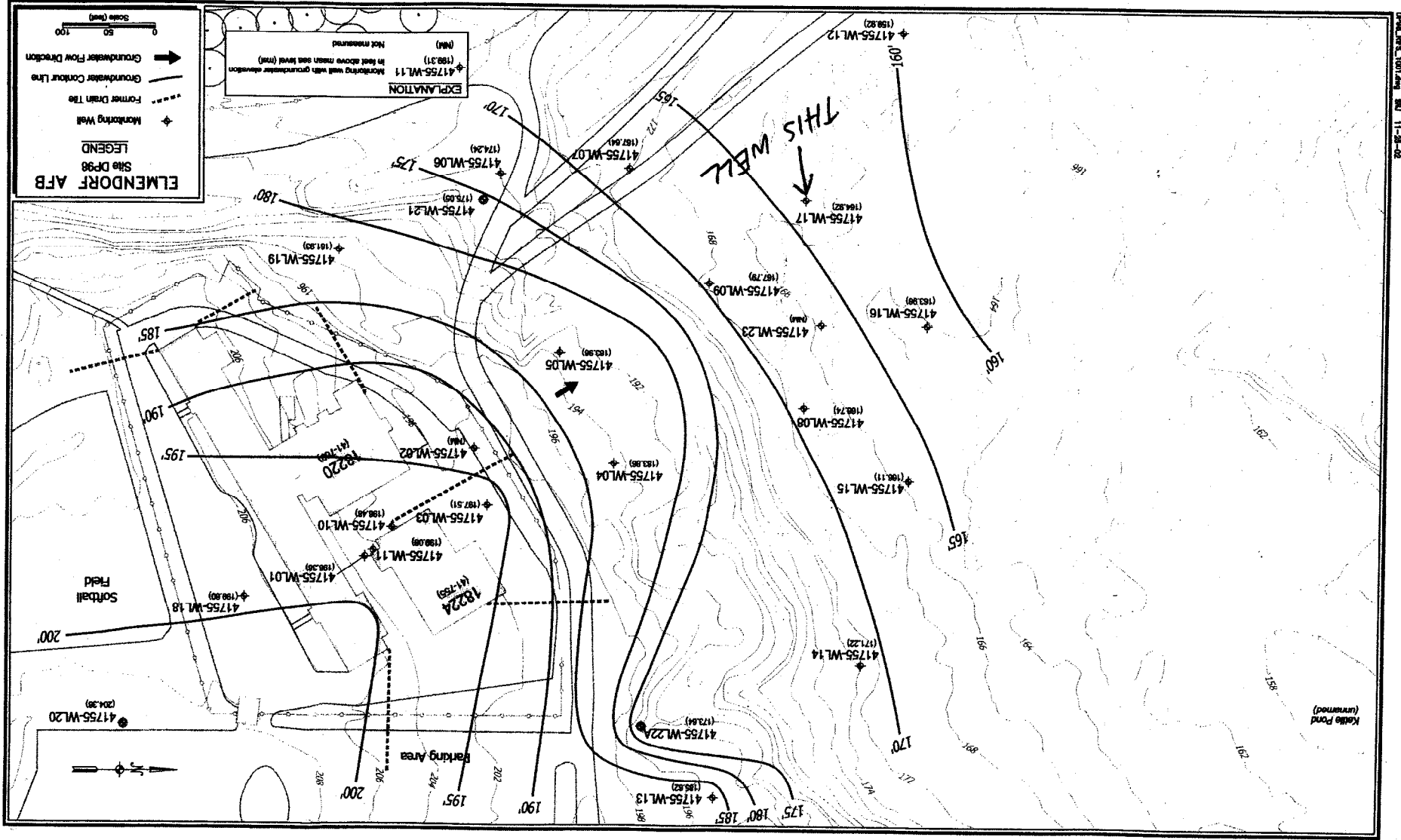


Figure 4-10. Potentiometric Surface (September 19, 2002)