

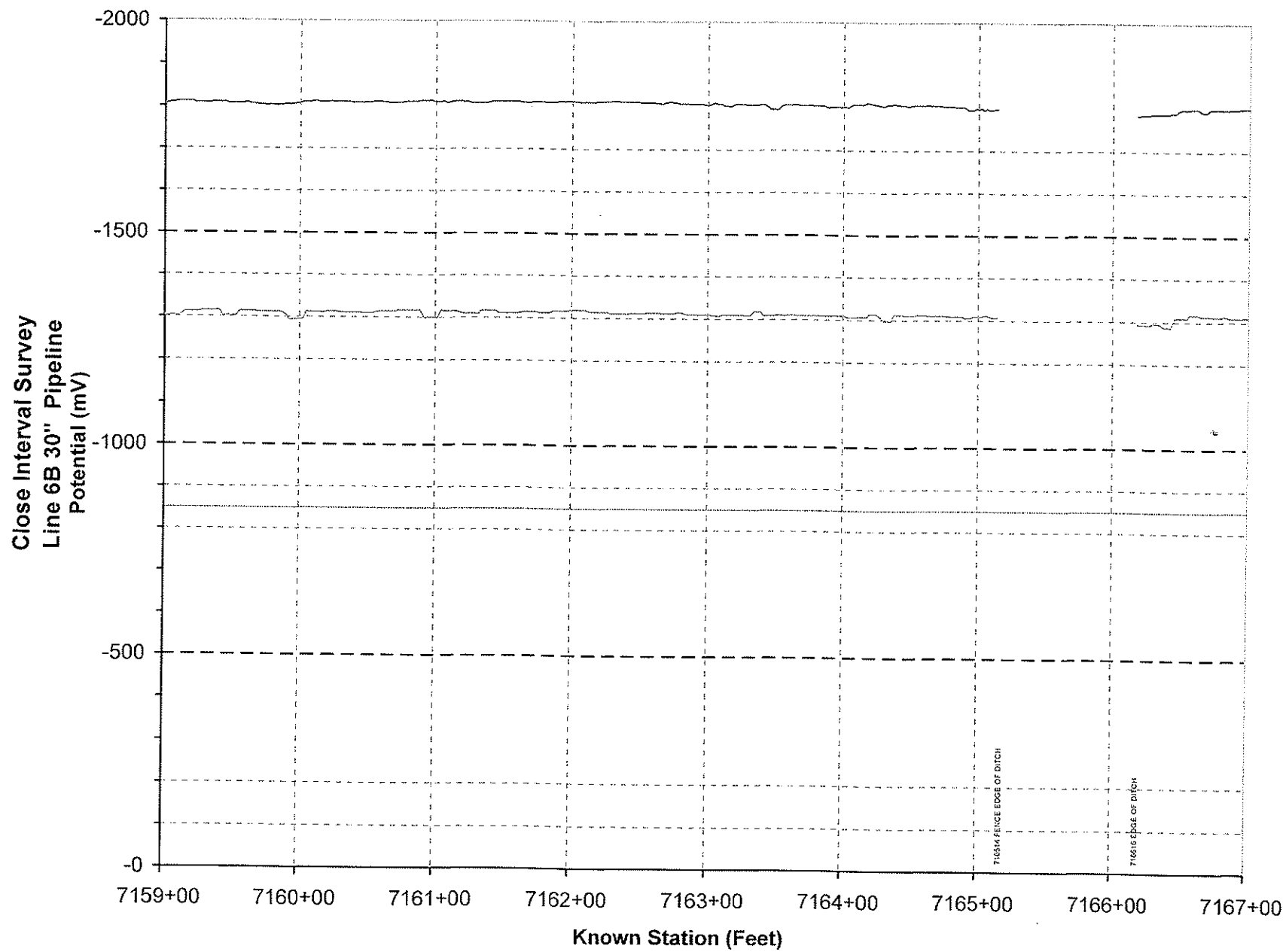
**MP 608 – Marshall, Michigan Incident
NTSB/PHMSA Information Request No. 20**

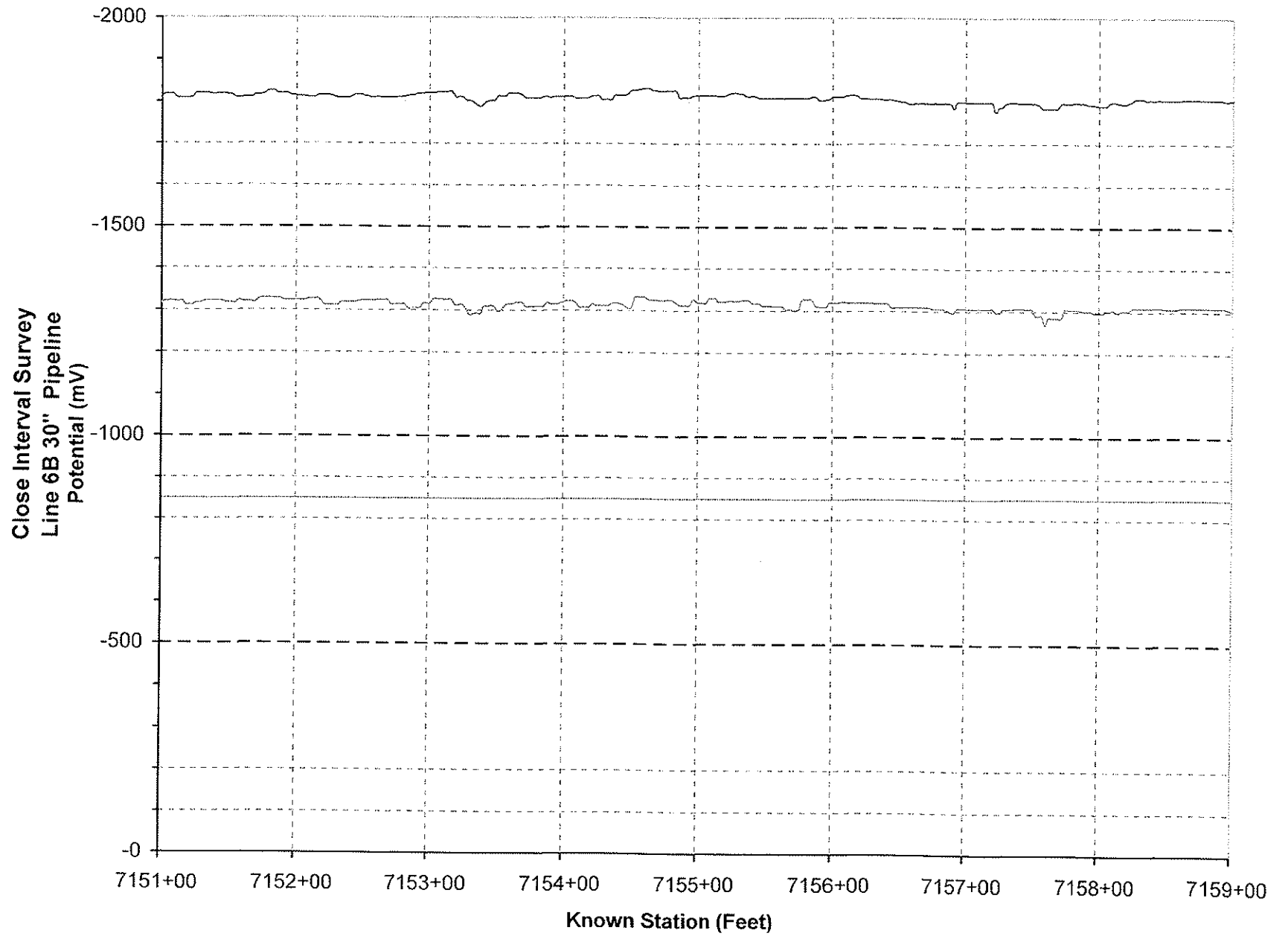
20.1 Reference: August 4, 2010 request, hard copy sent to NTSB

Preamble:

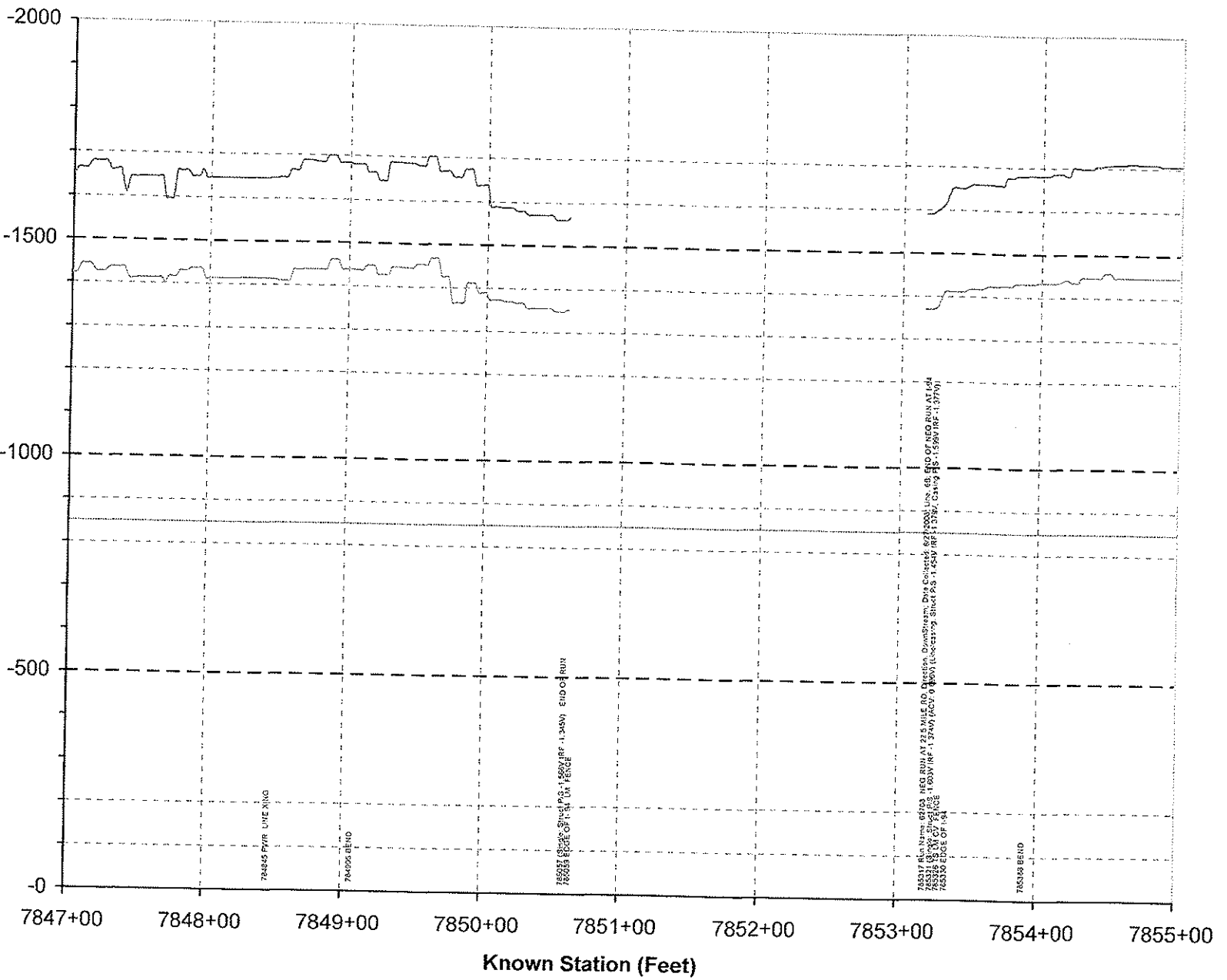
Request: Provide the Close Internal Survey

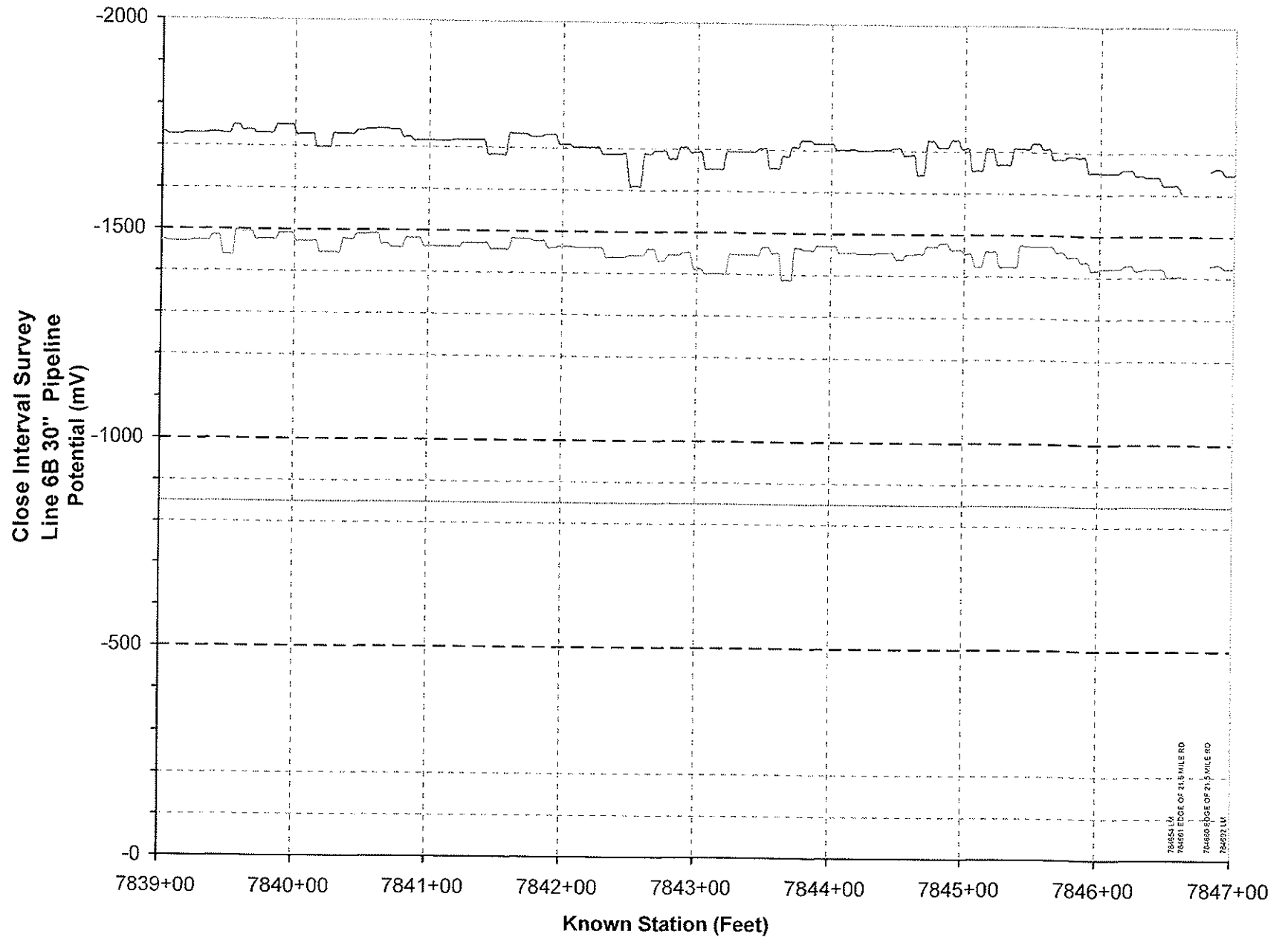
Response: See attached Close Internal Survey (.tif)

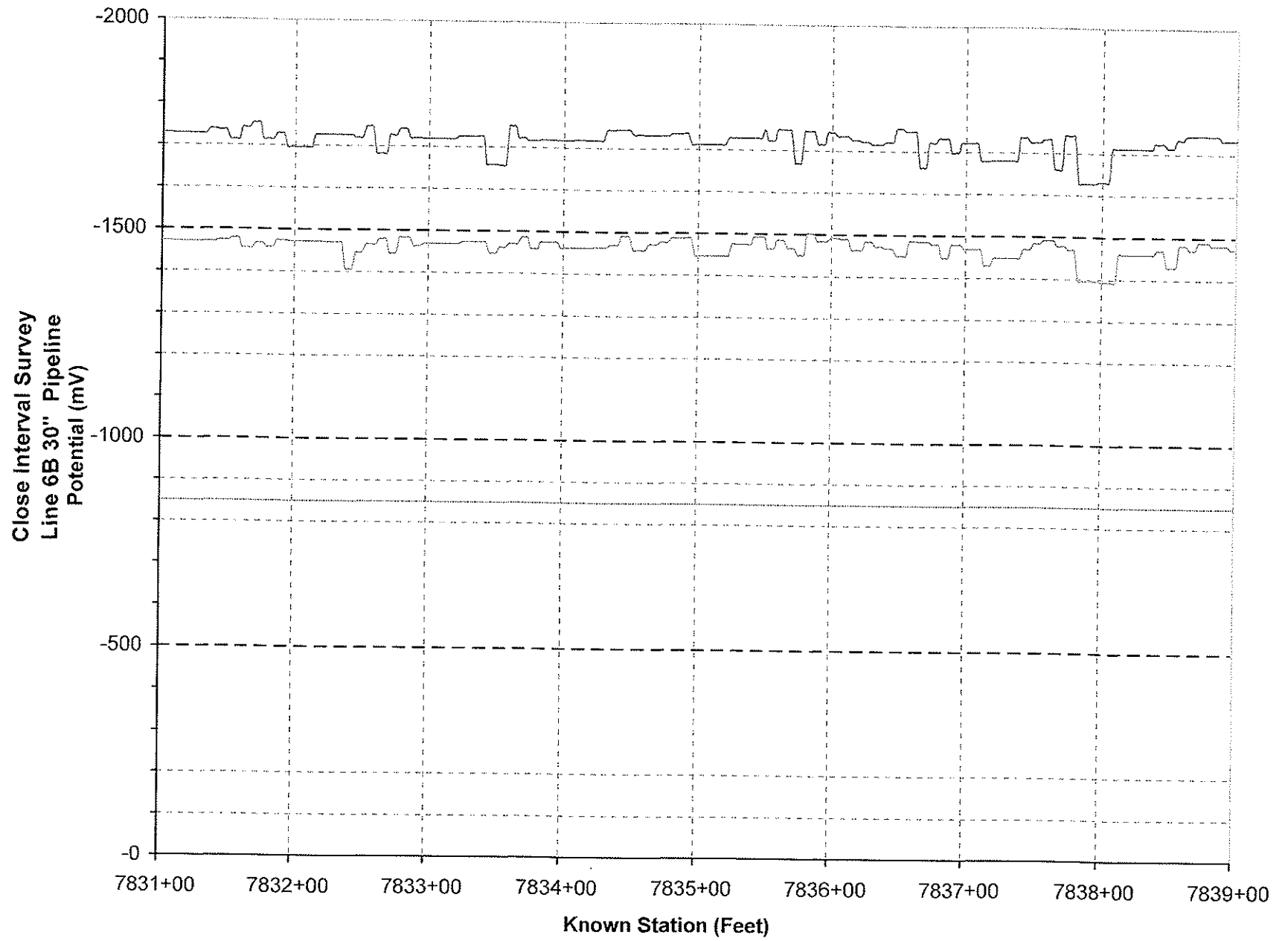


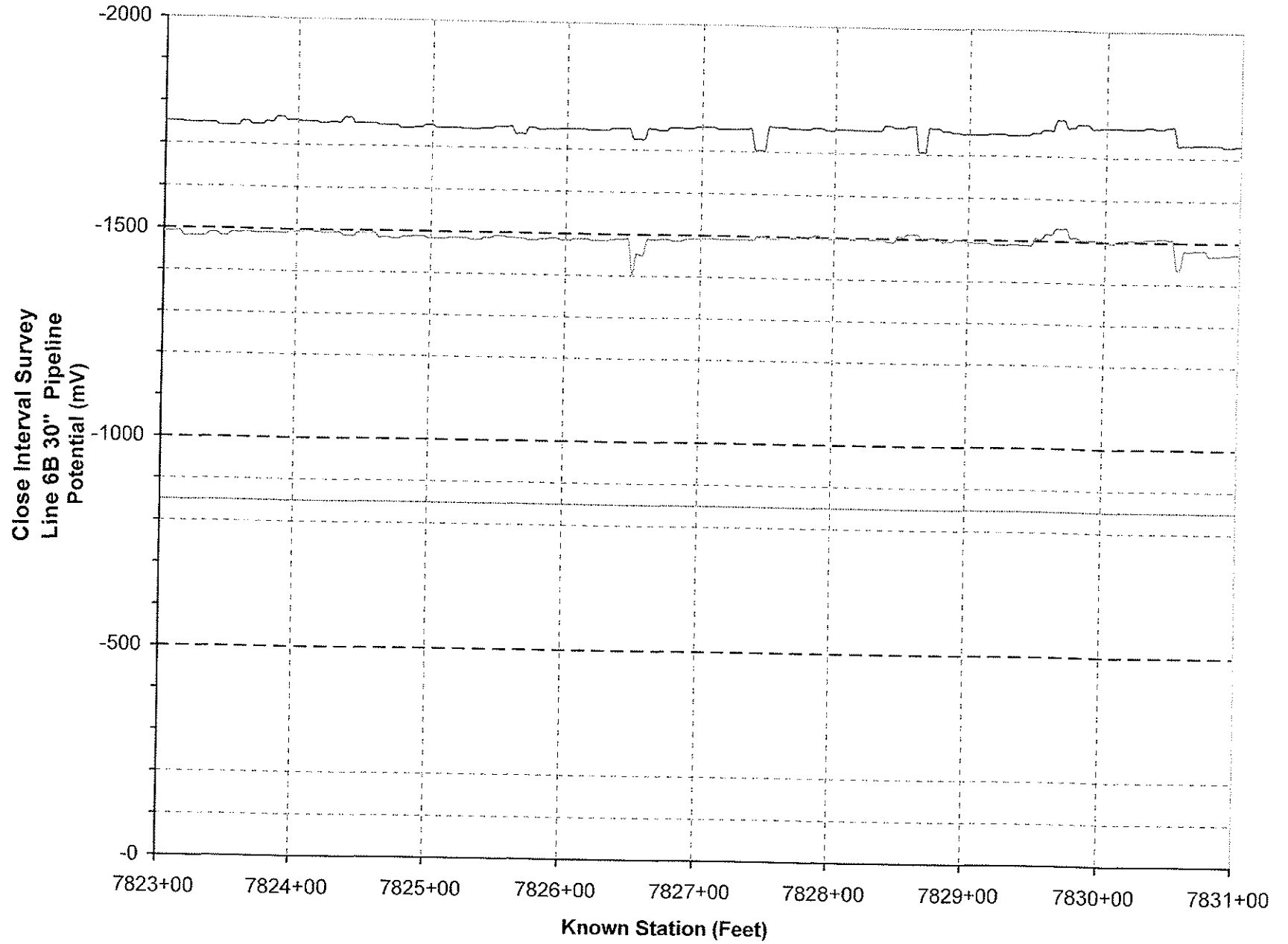


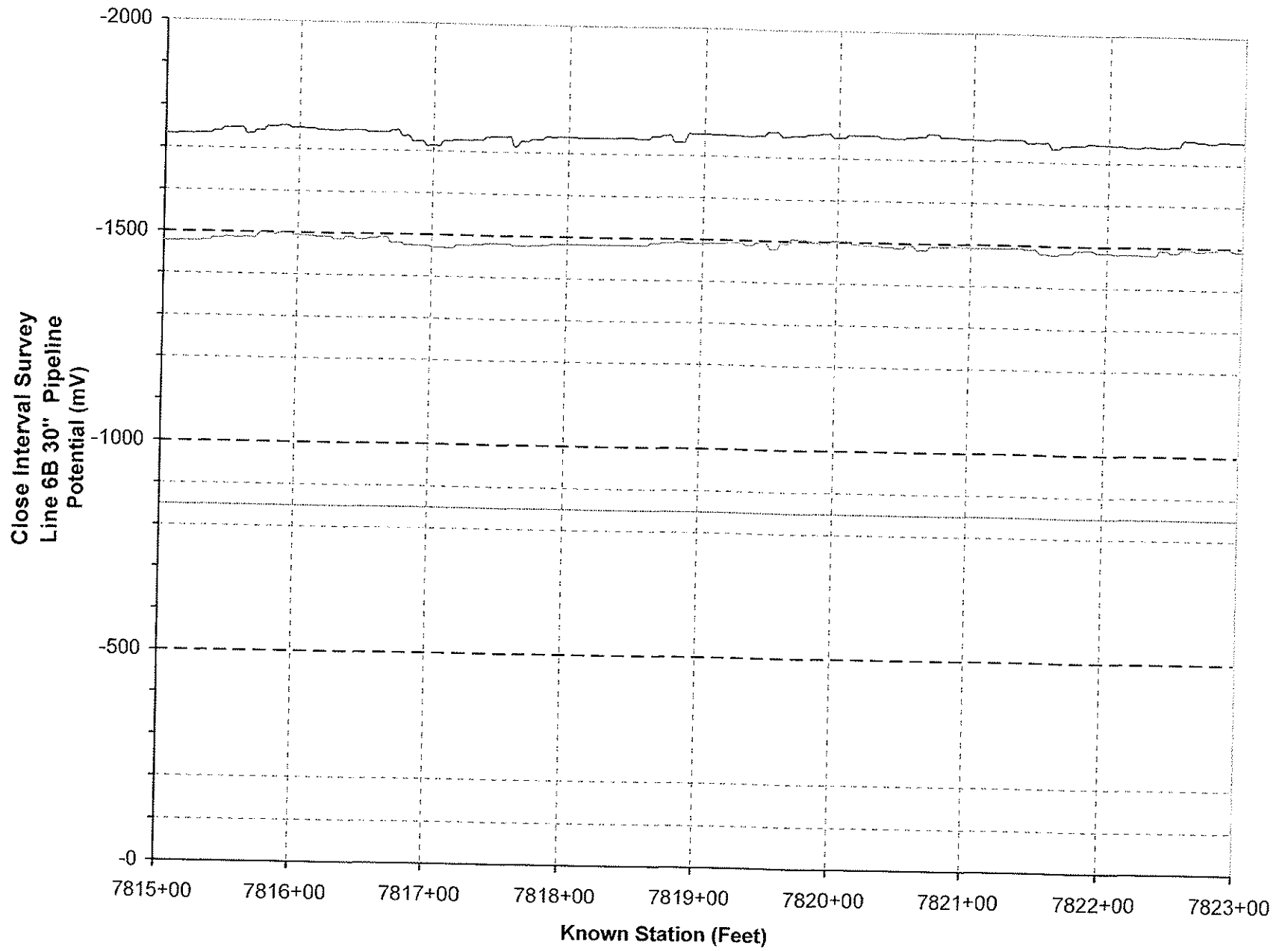
Close Interval Survey
Line 6B 30" Pipeline
Potential (mV)

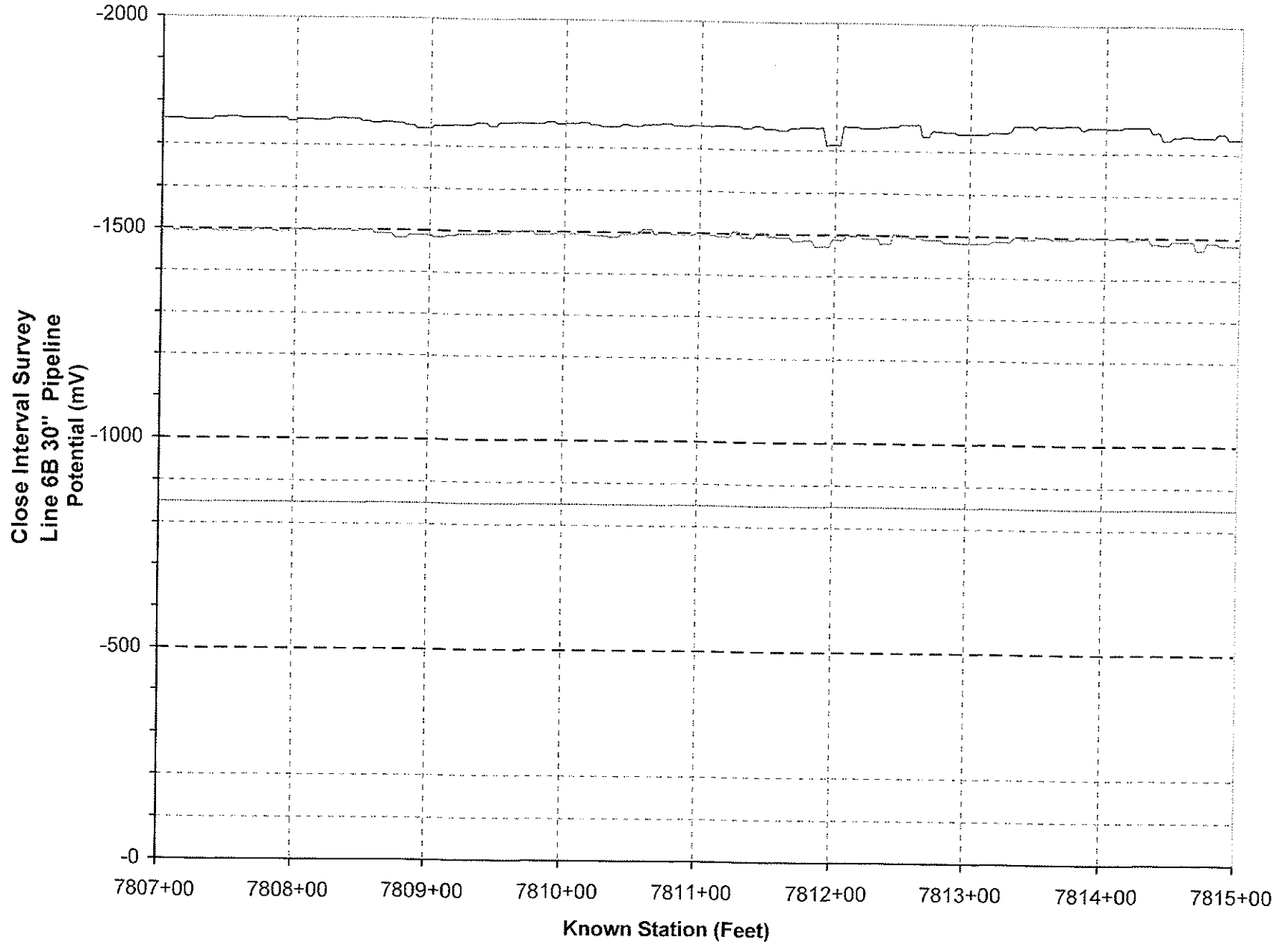




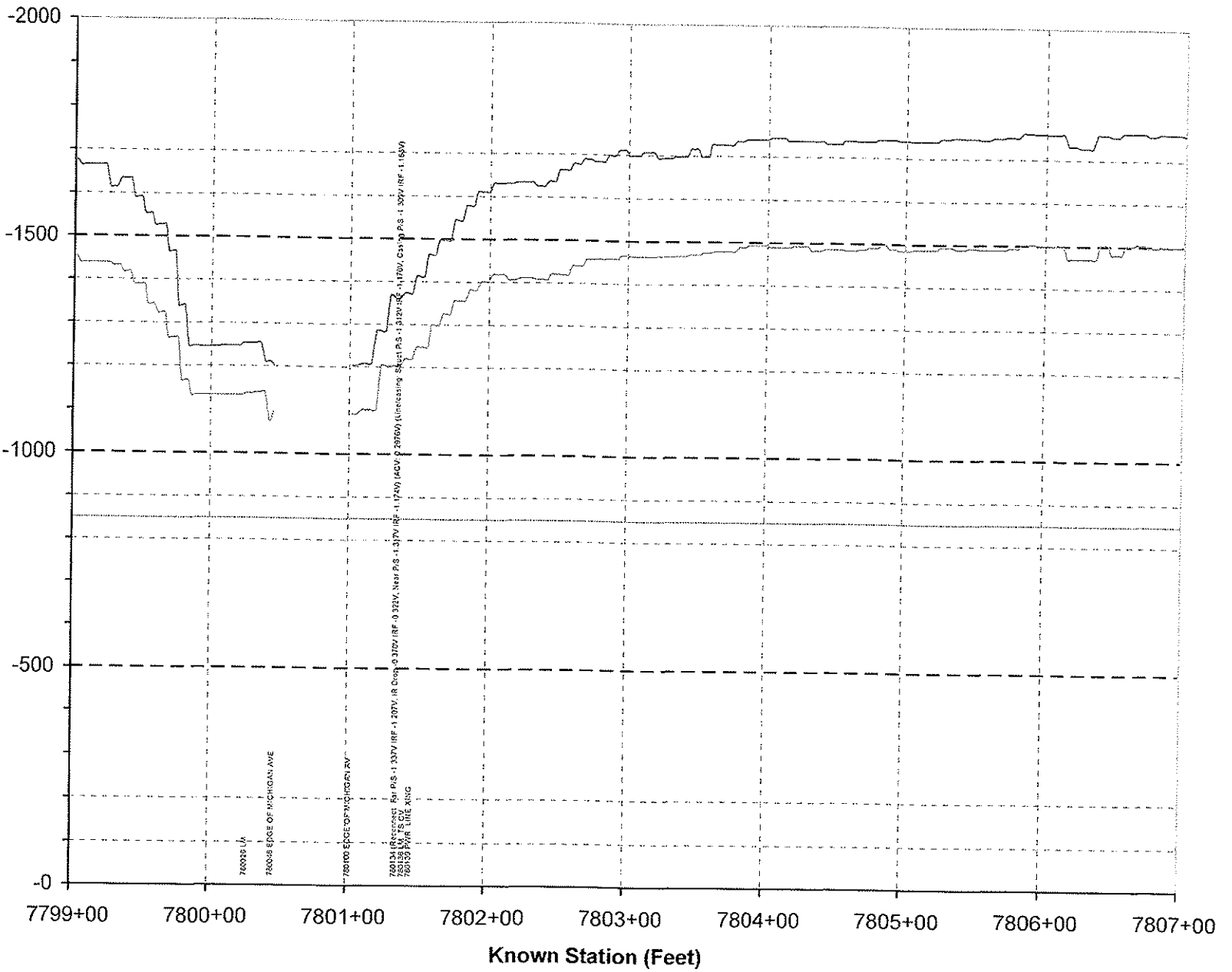


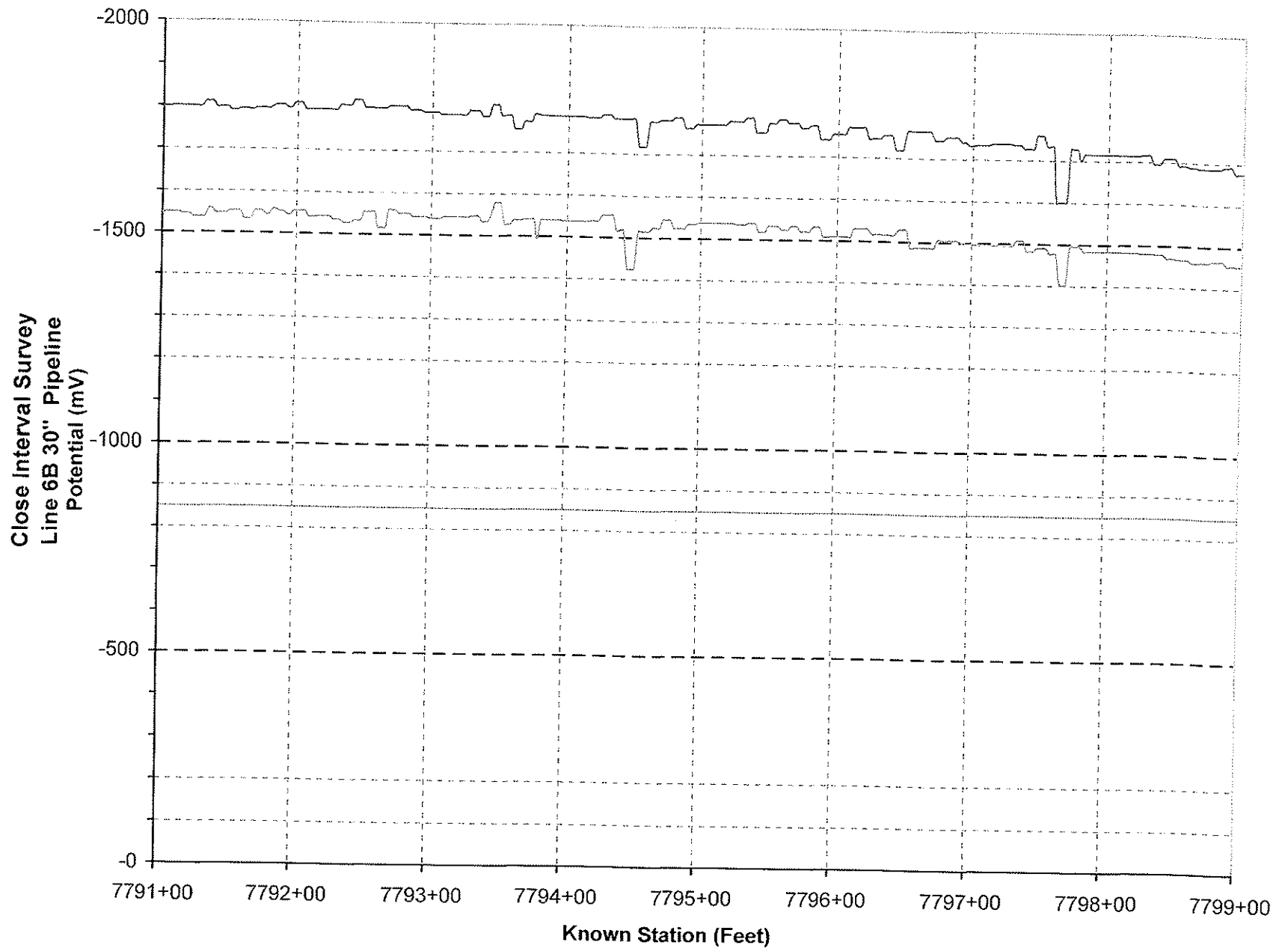


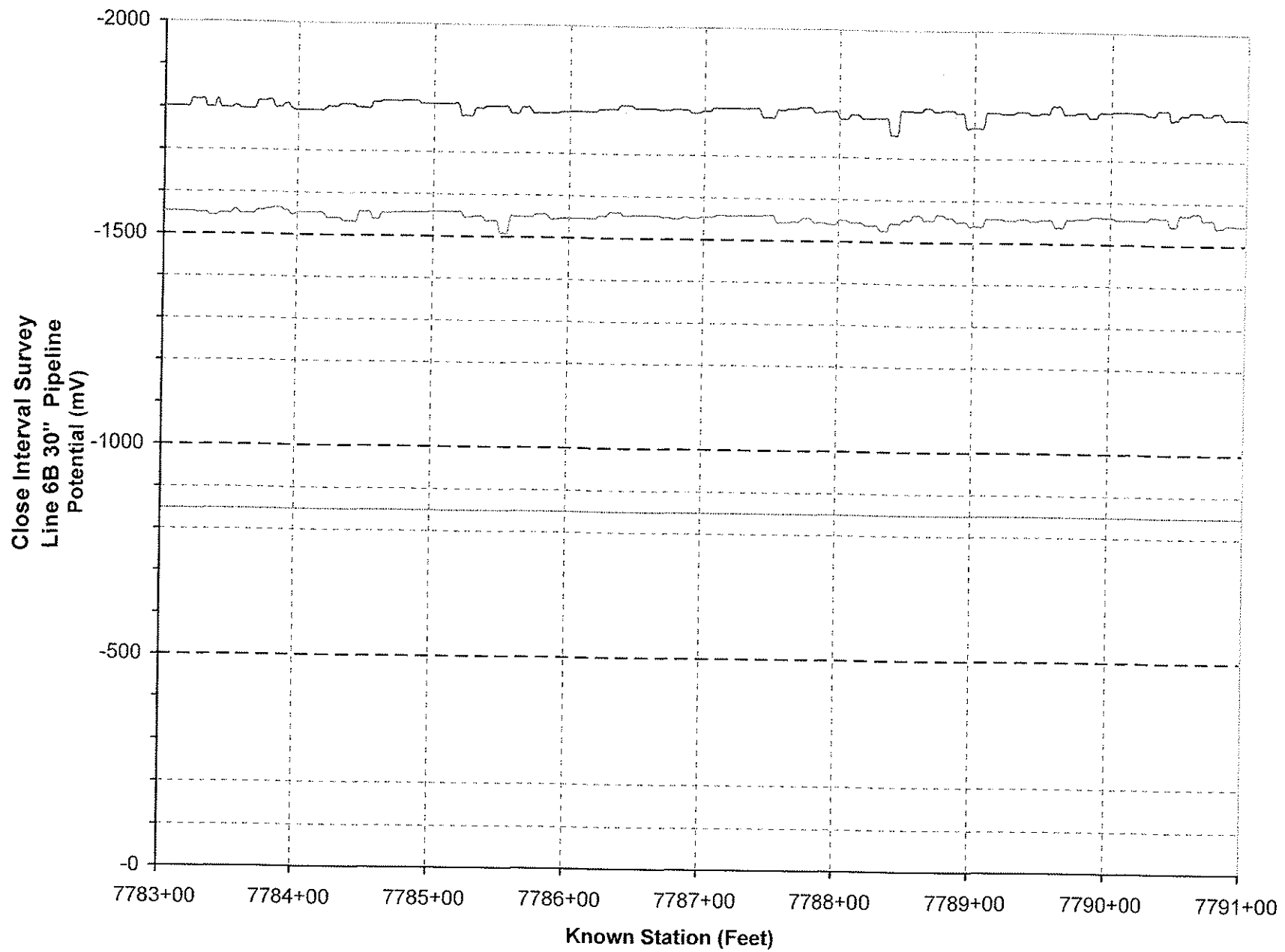


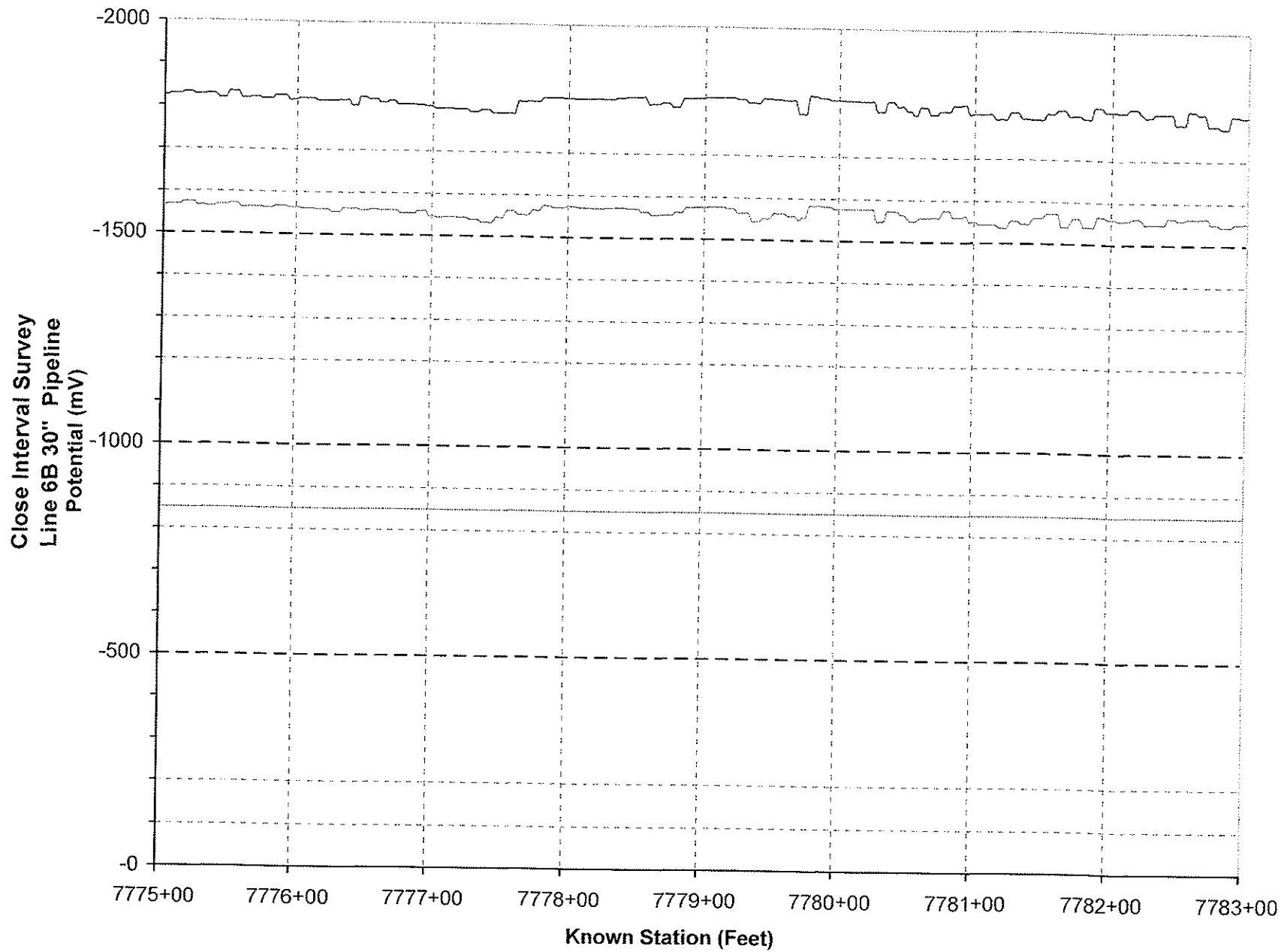


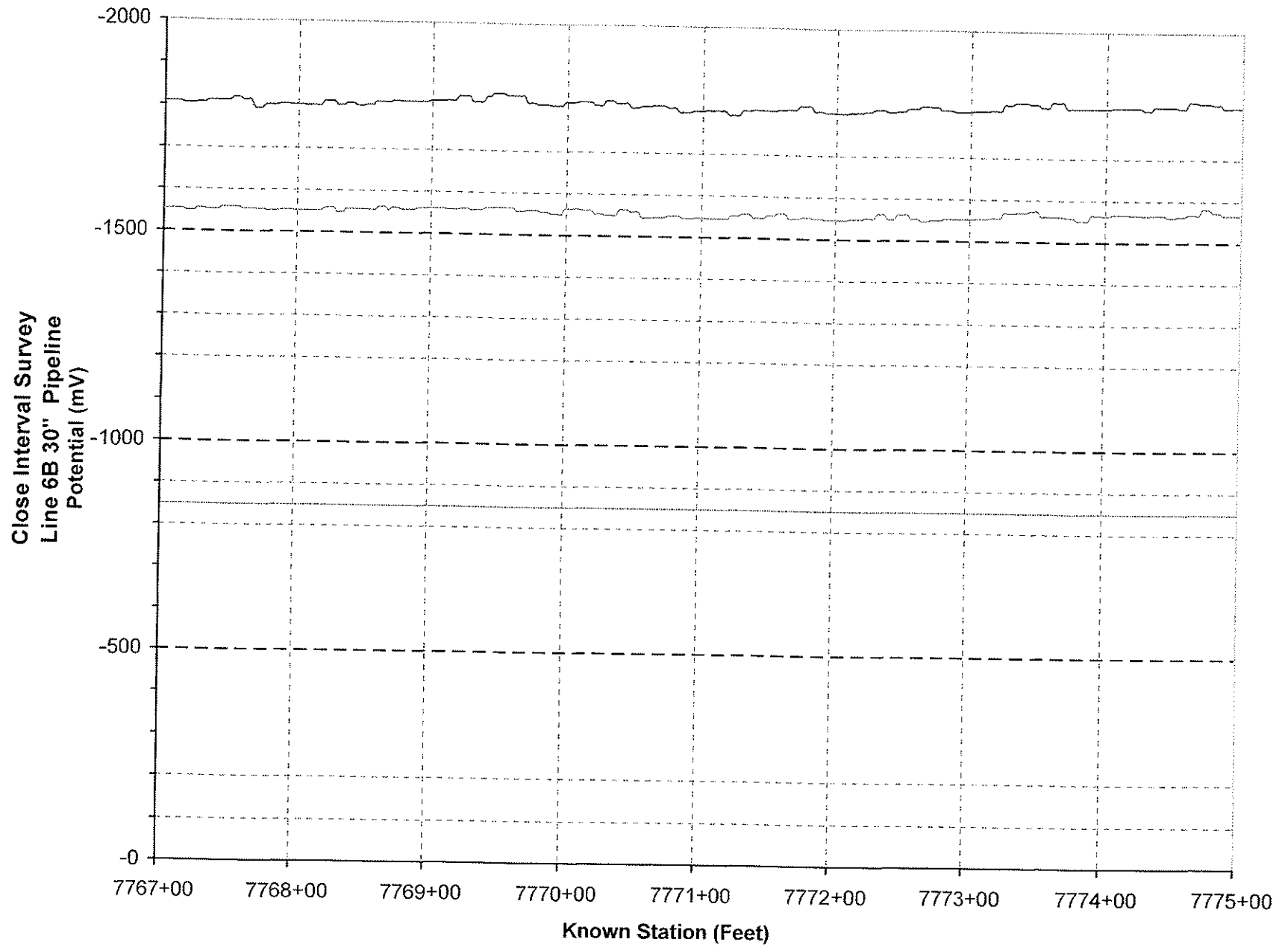
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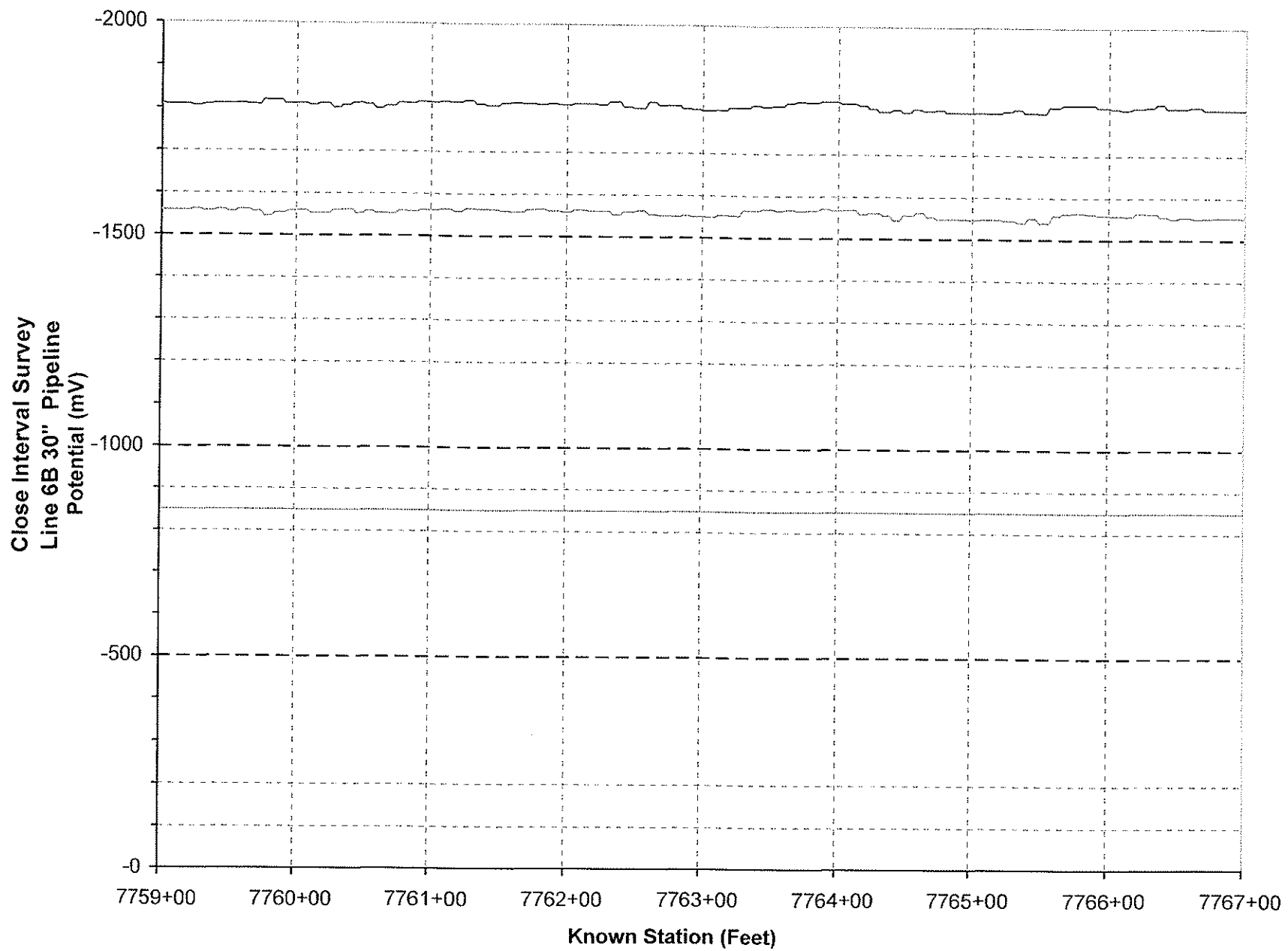


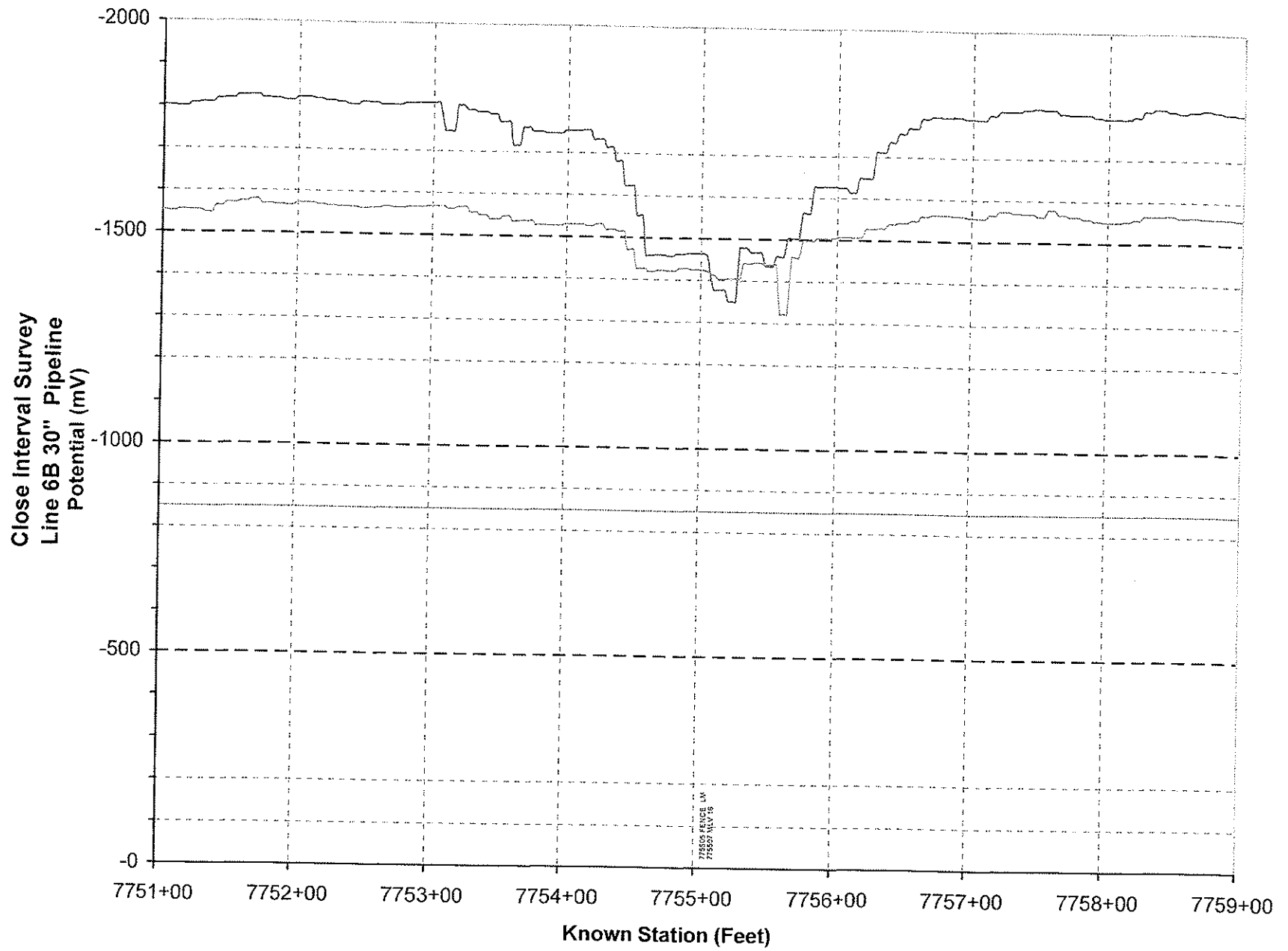


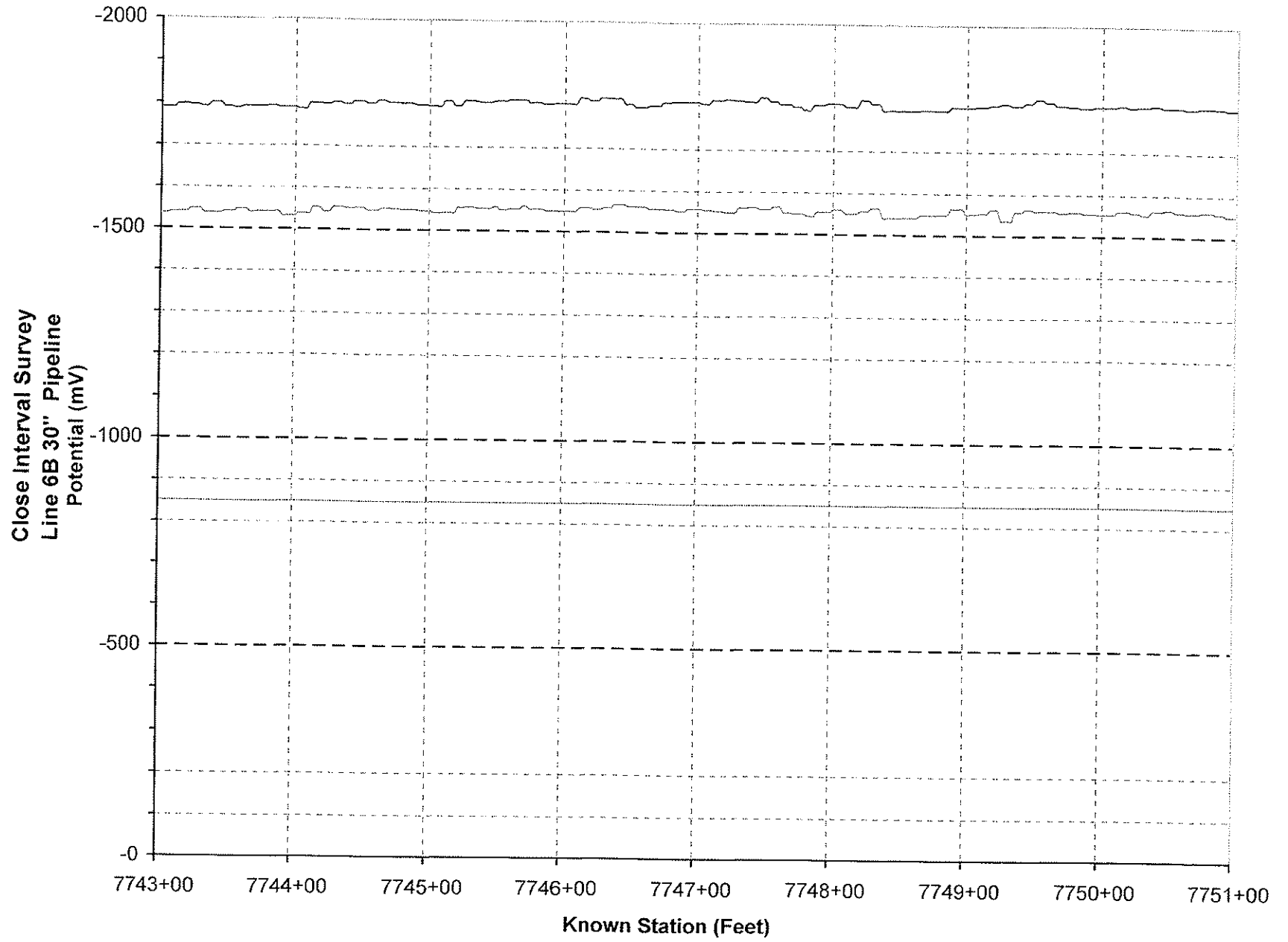




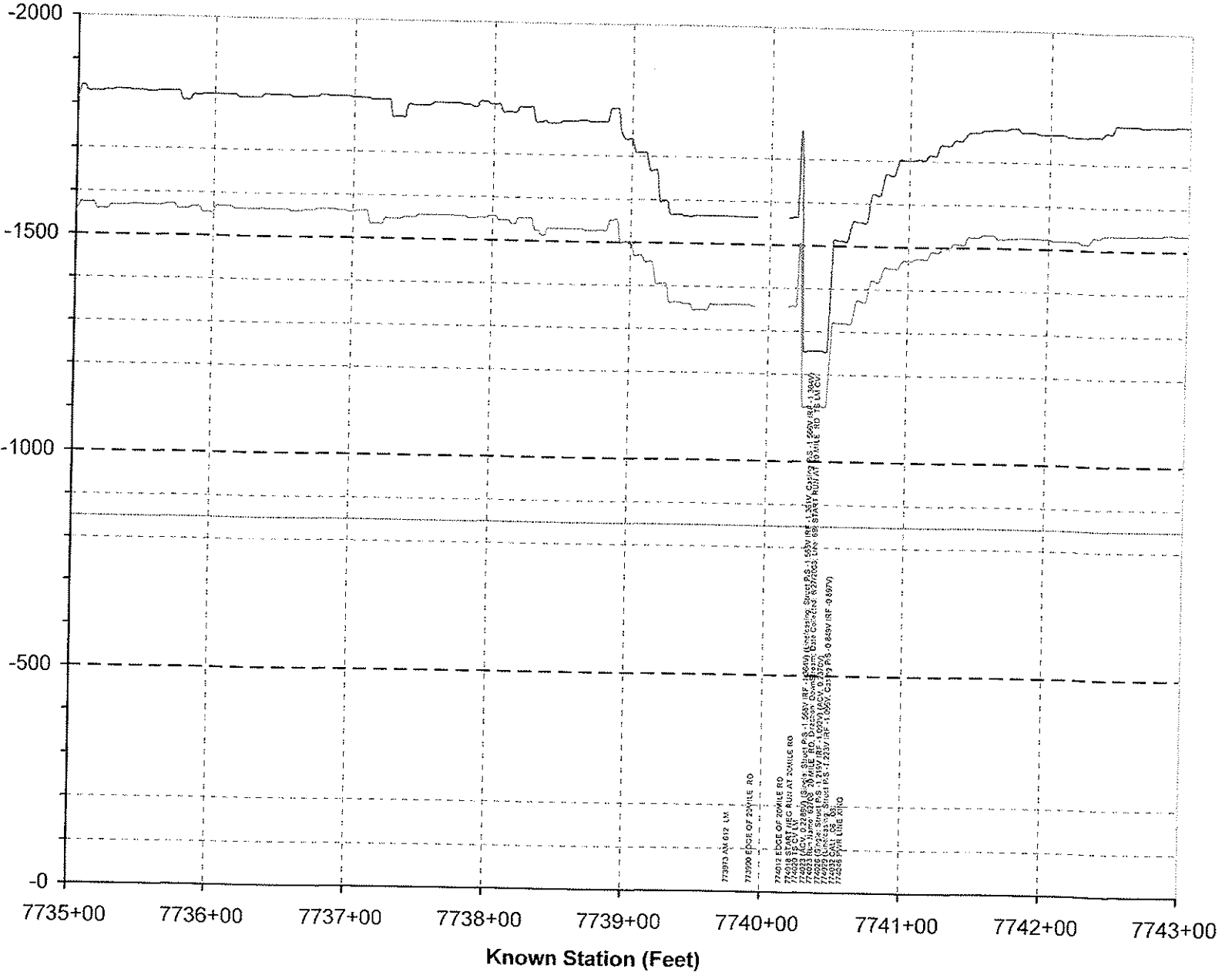


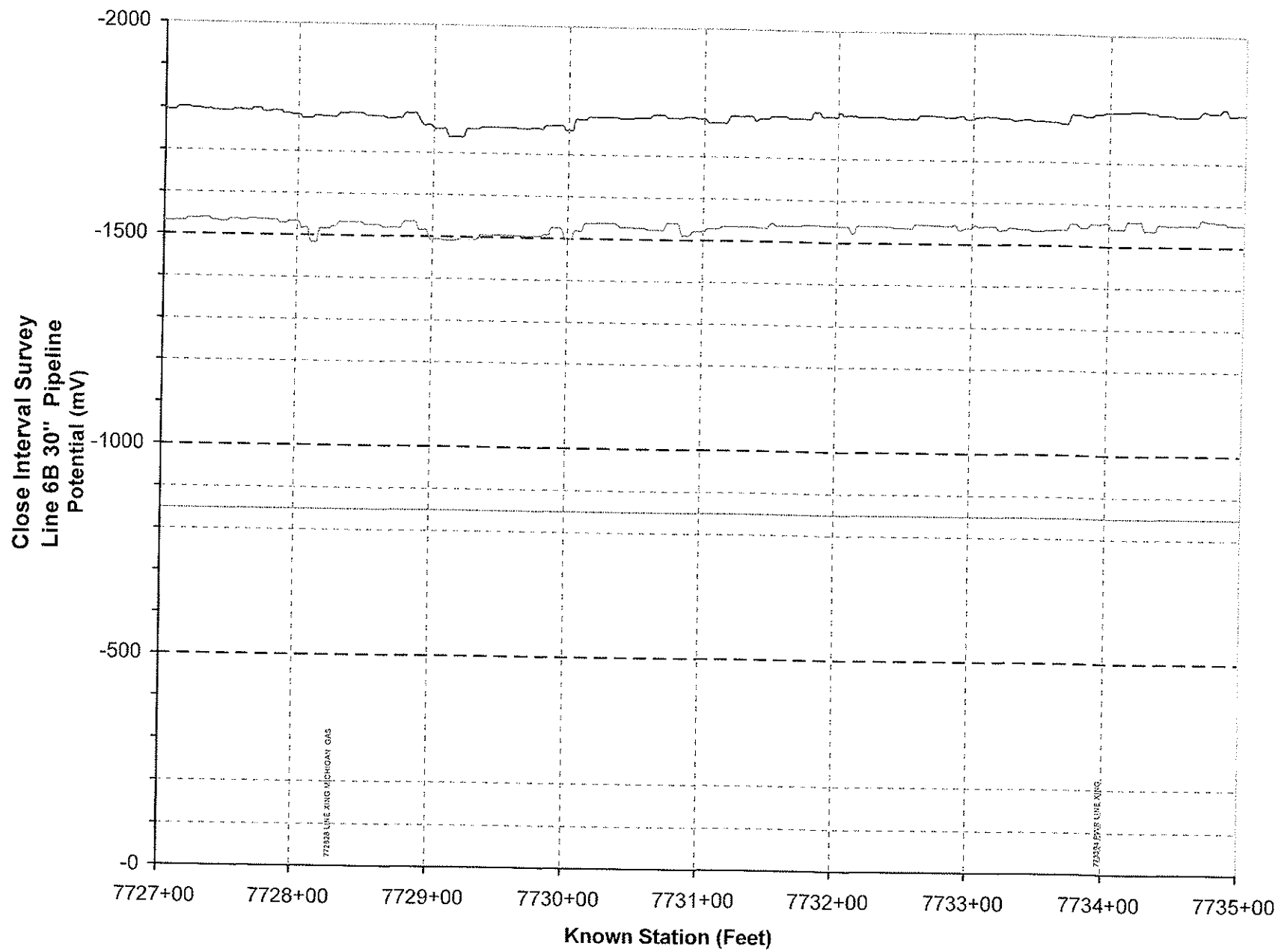


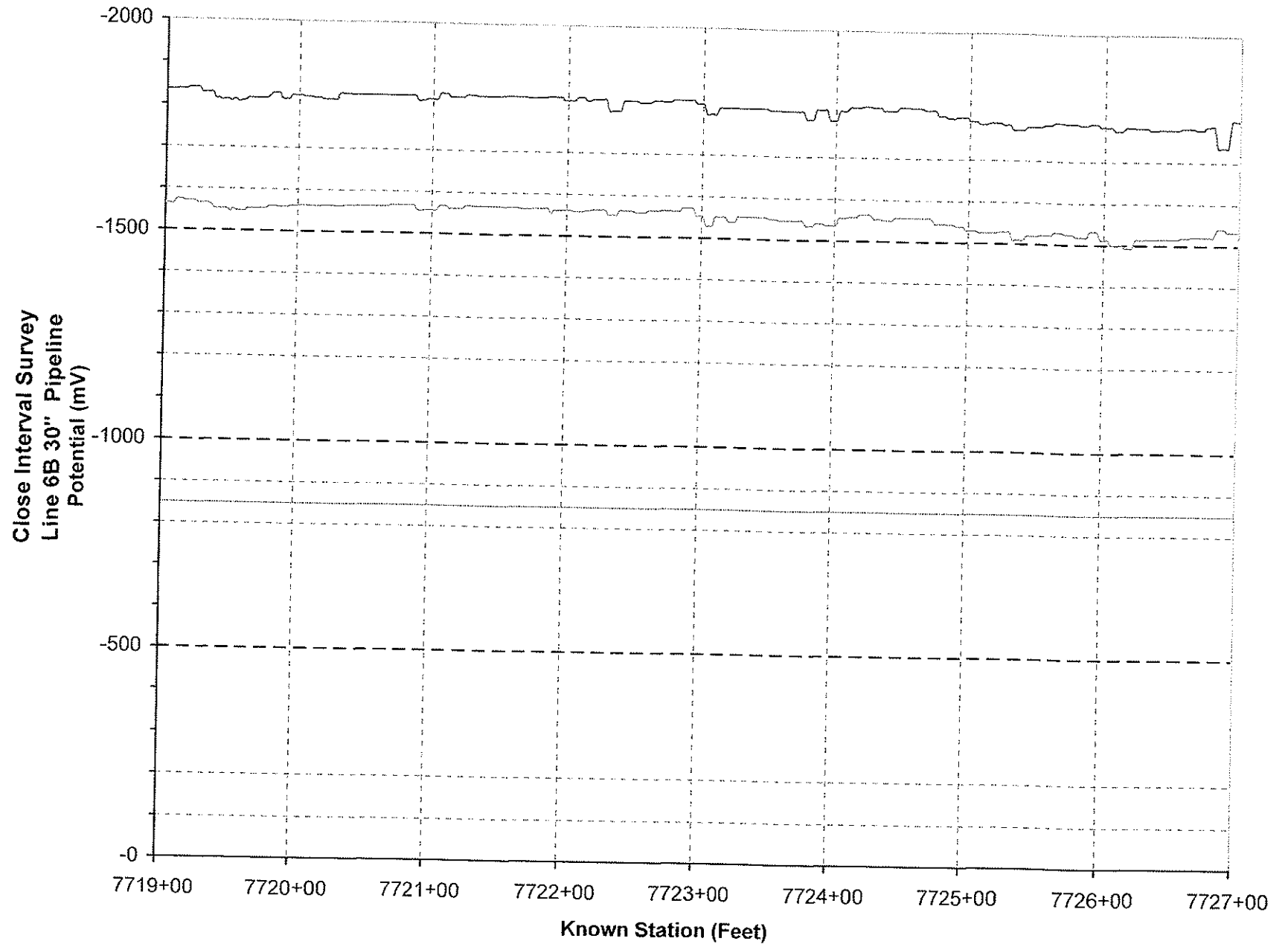


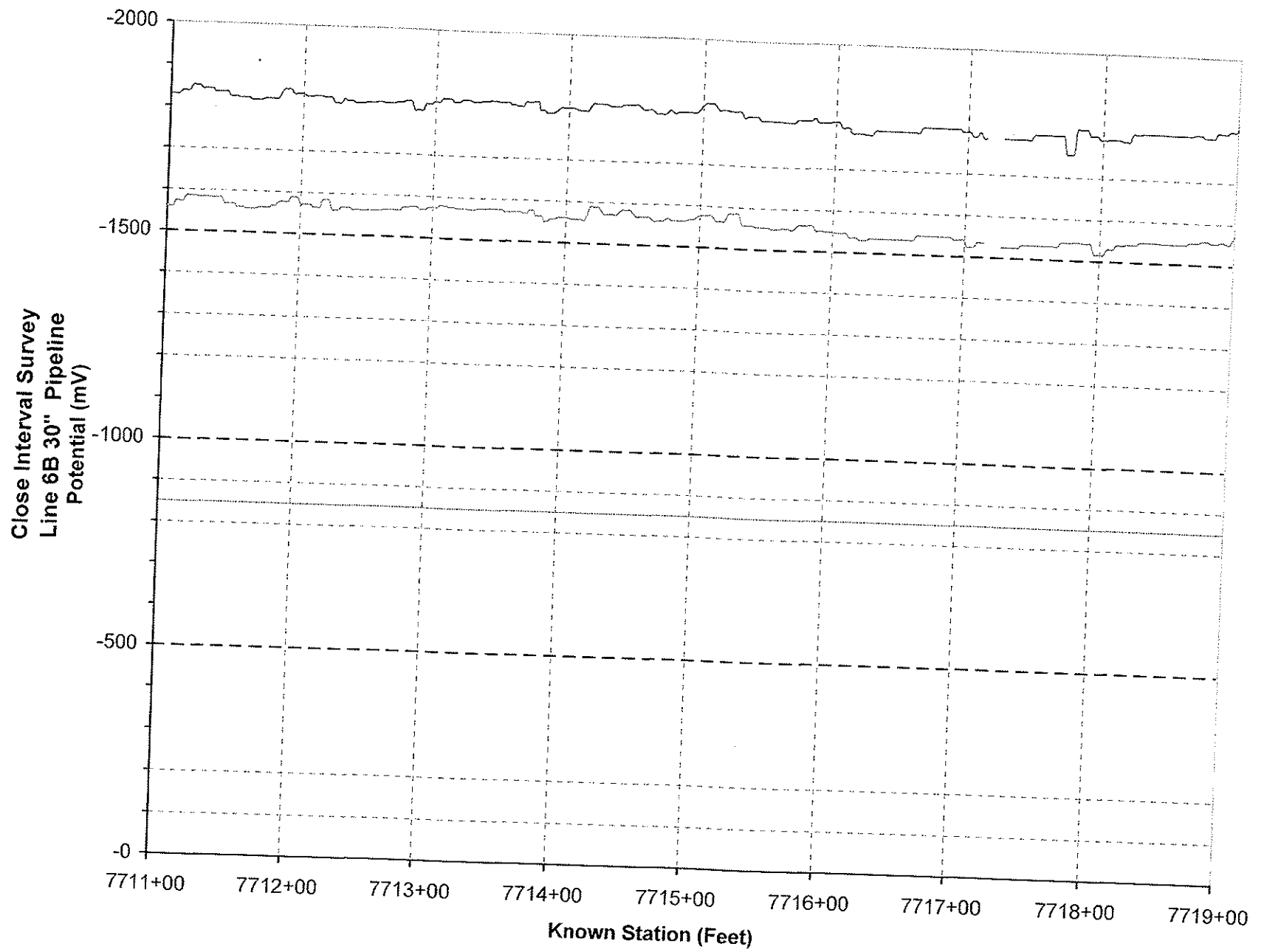


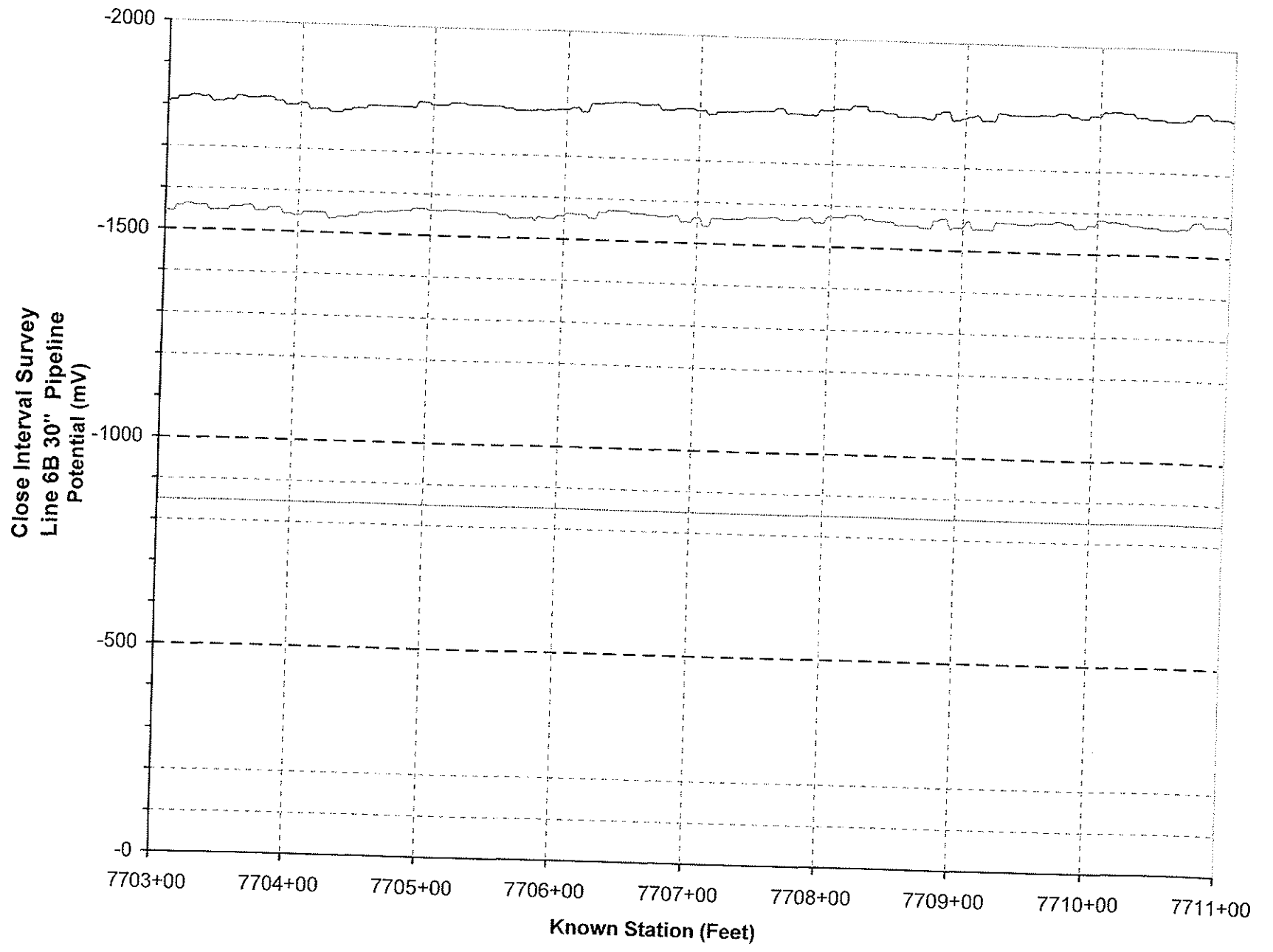
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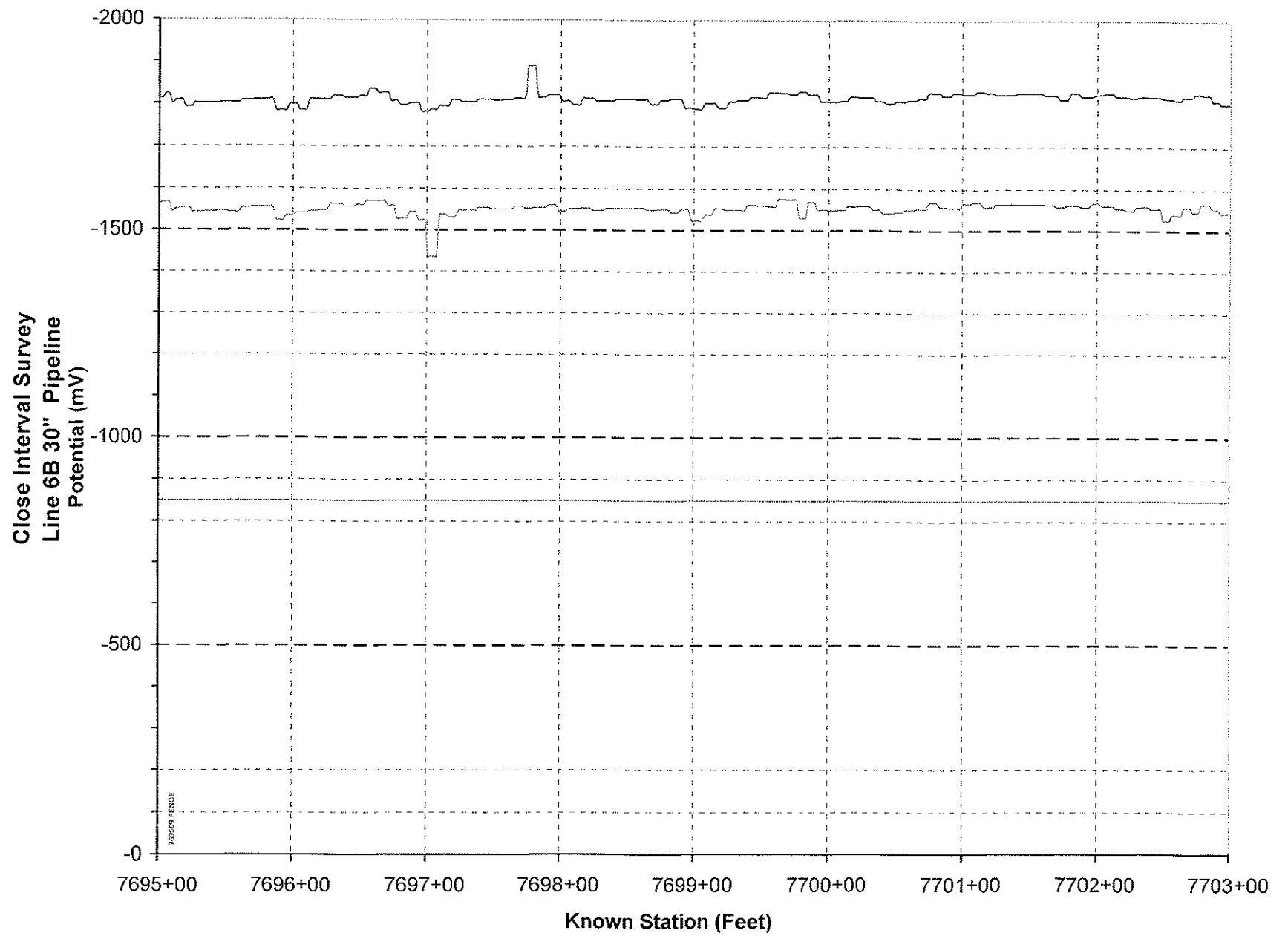


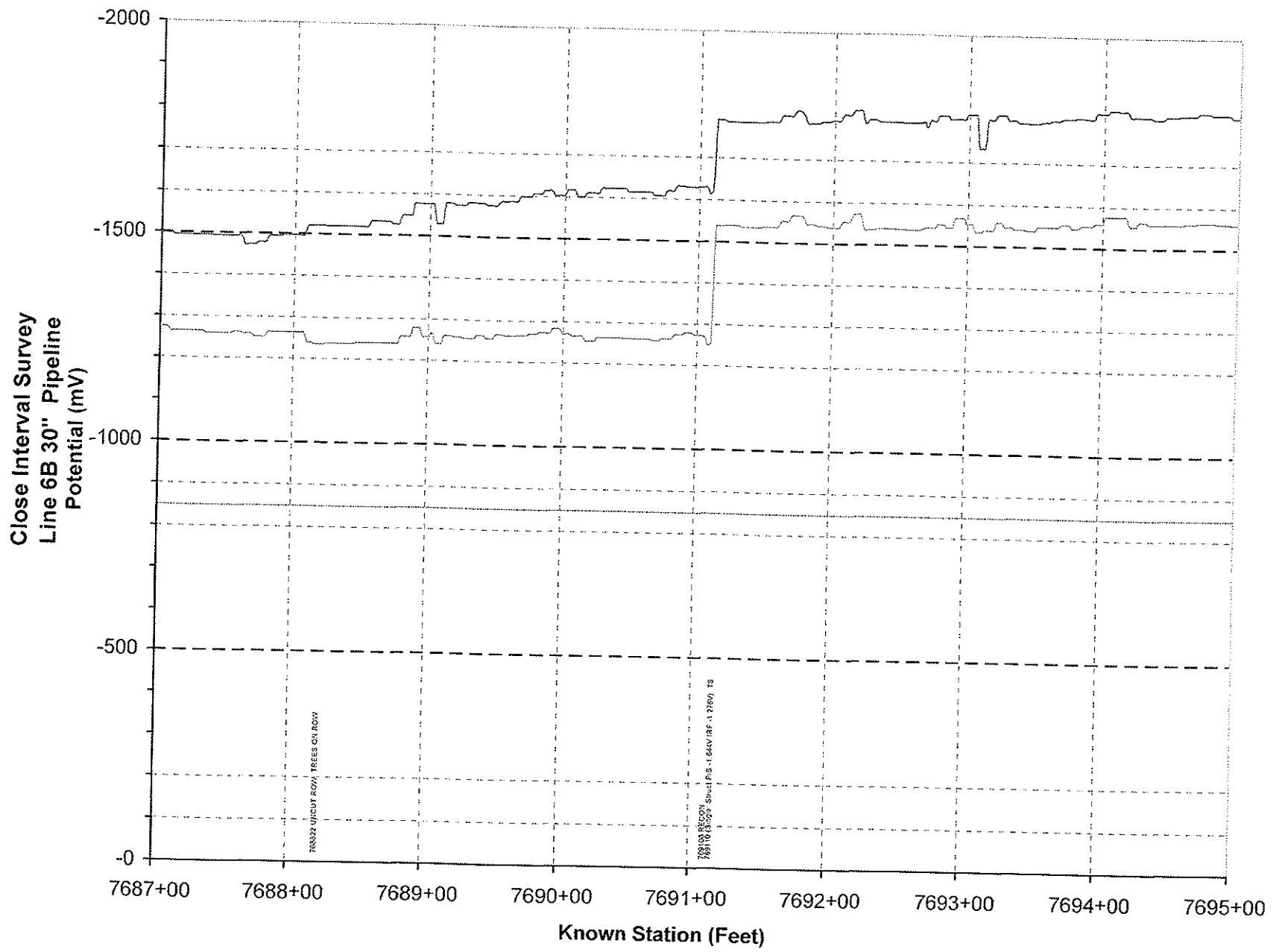




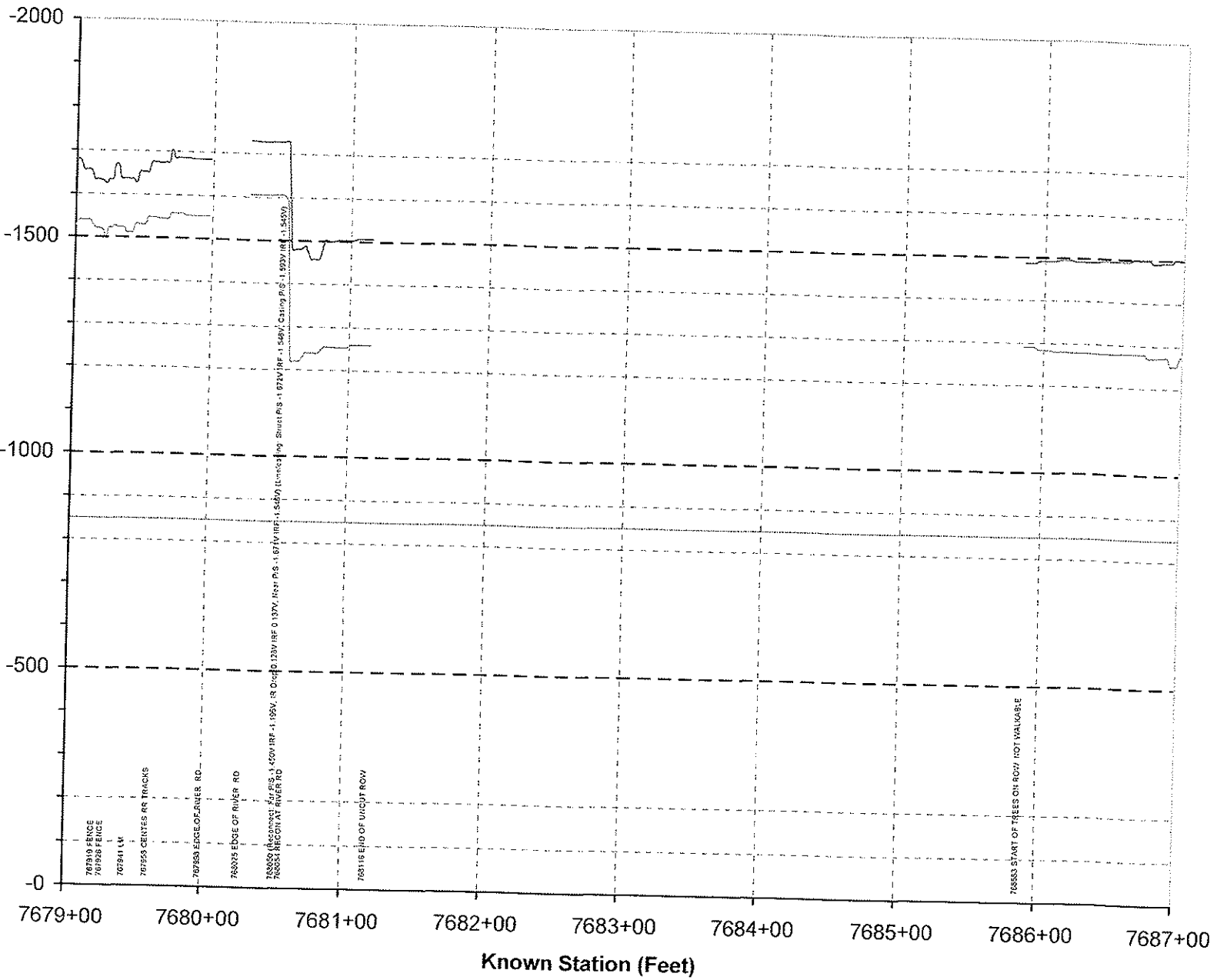


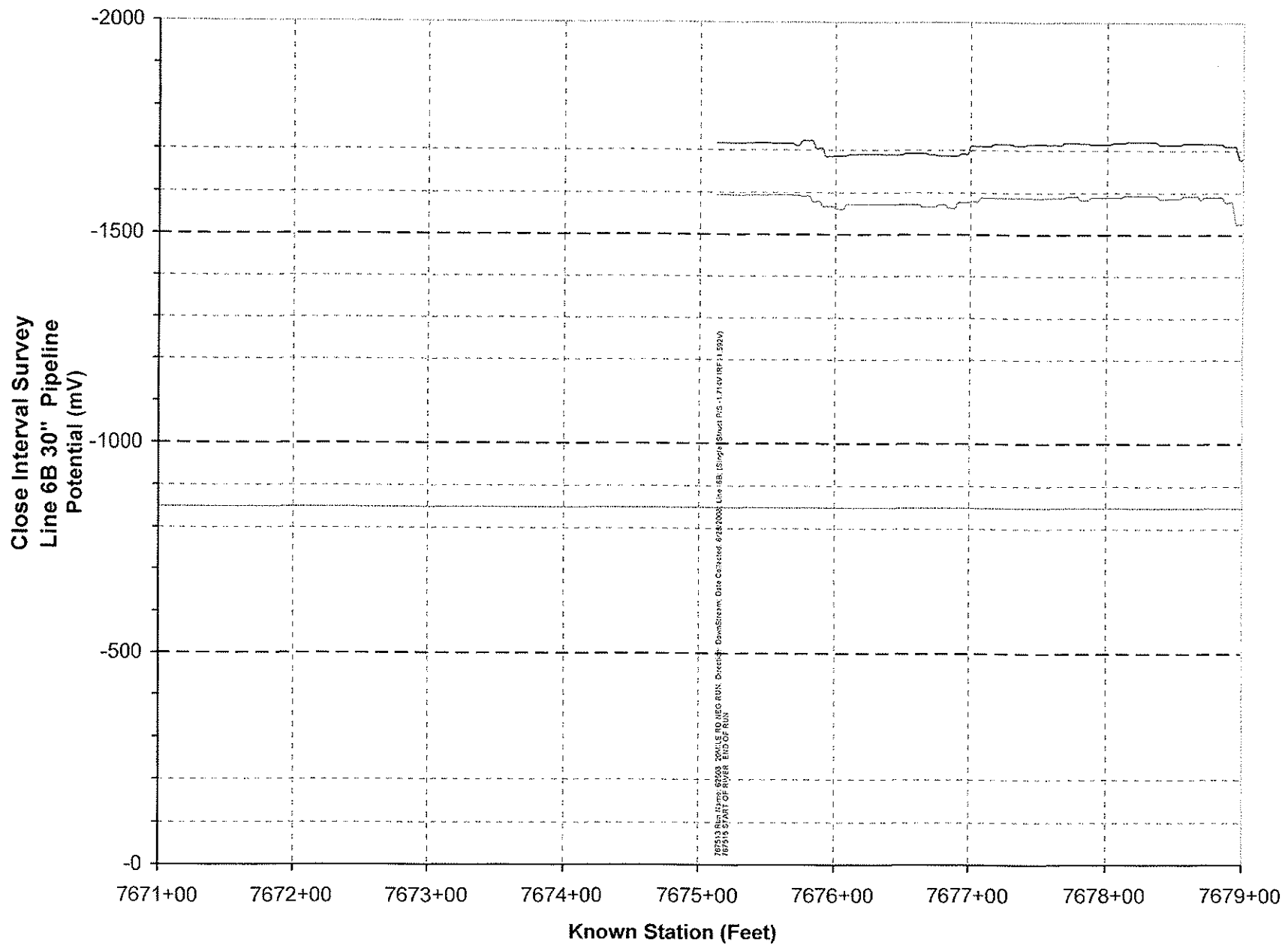




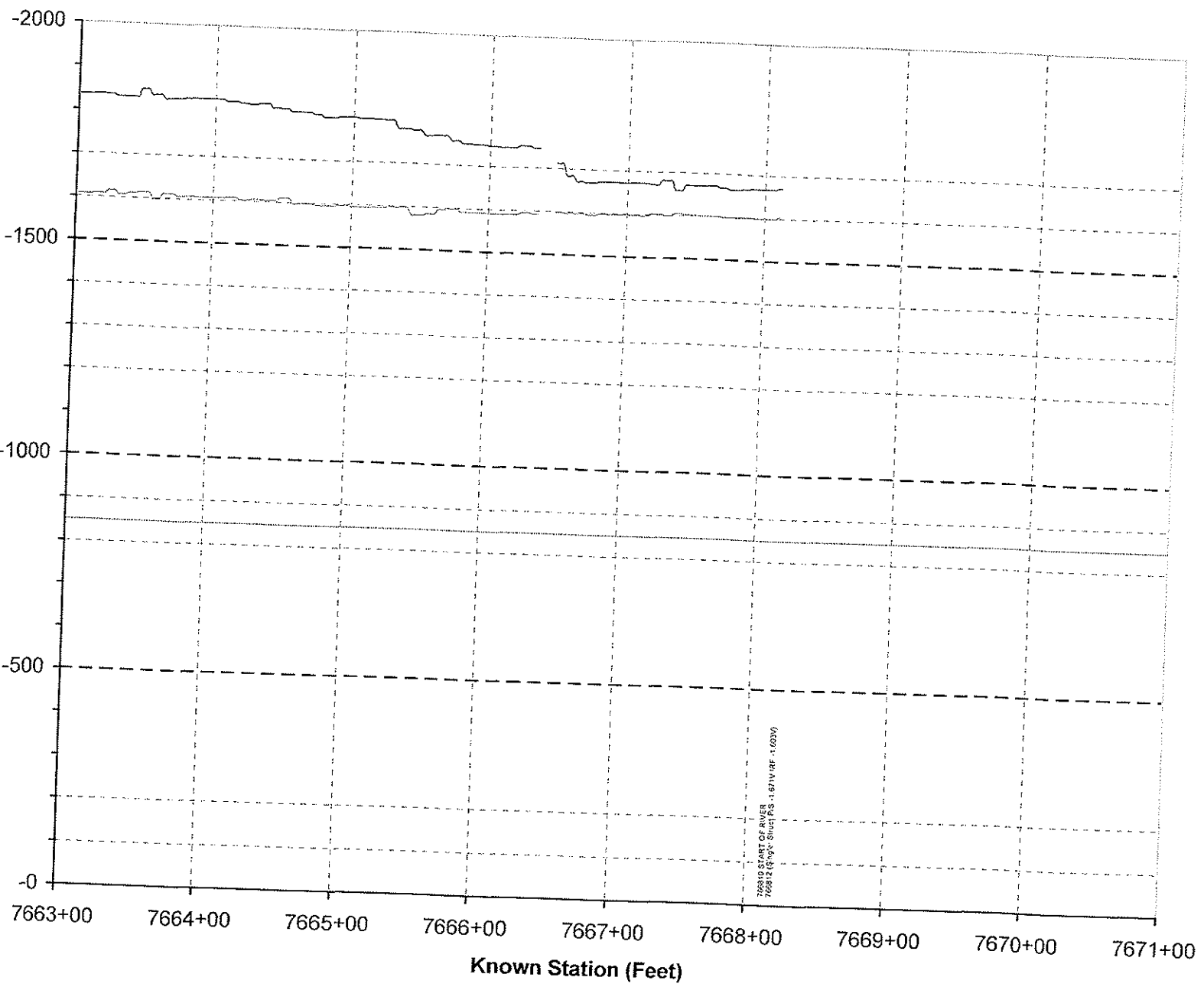


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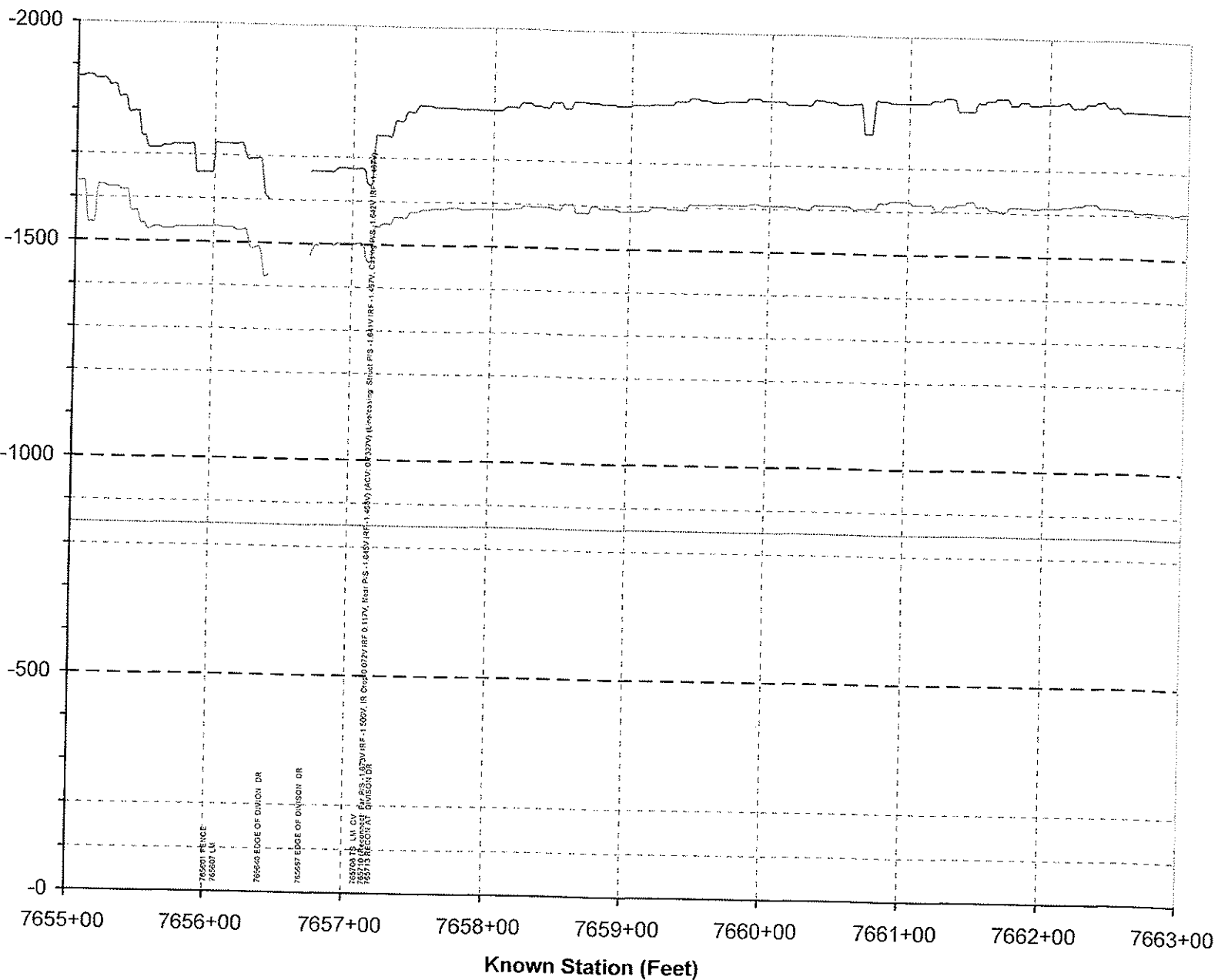


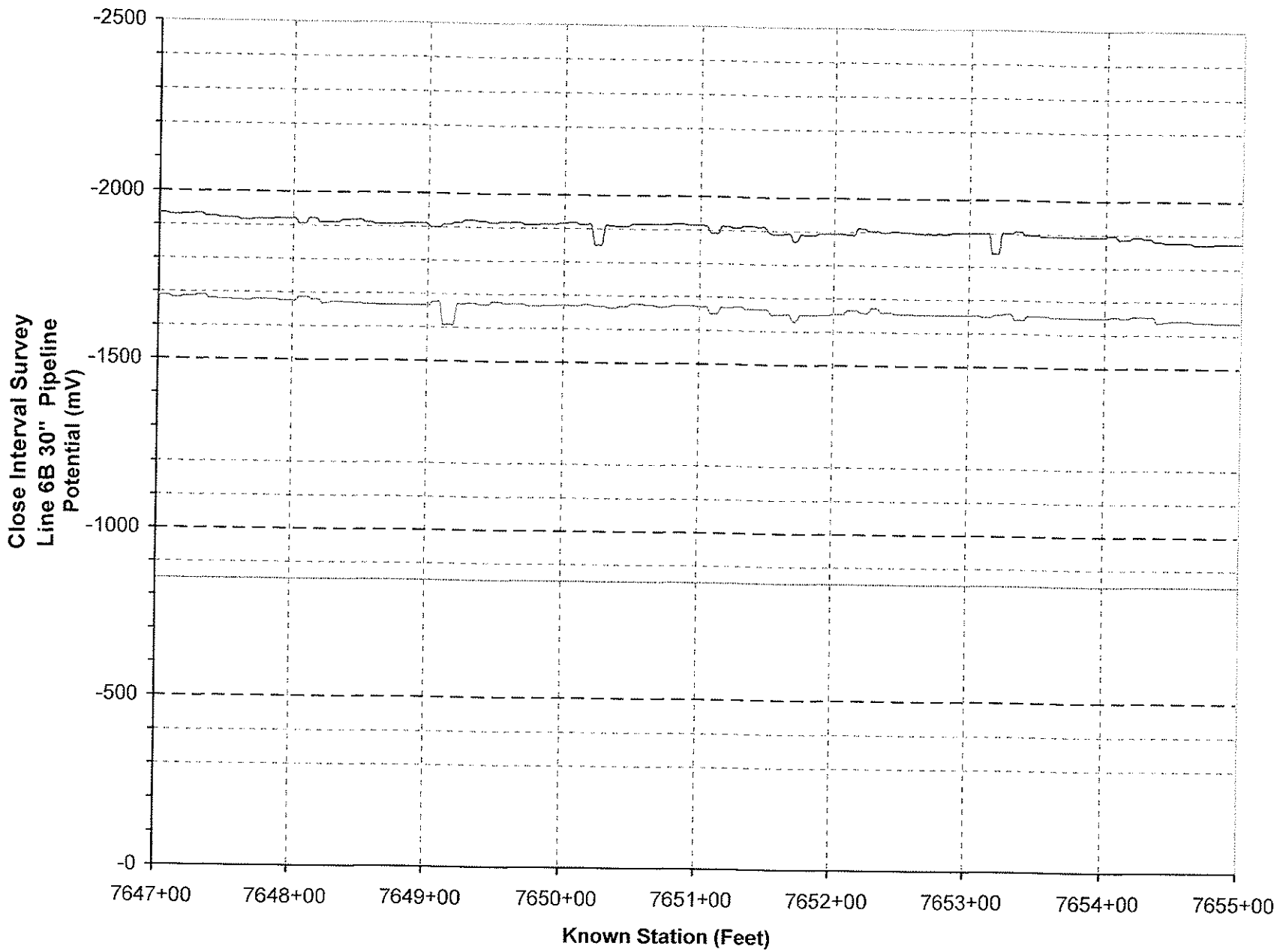


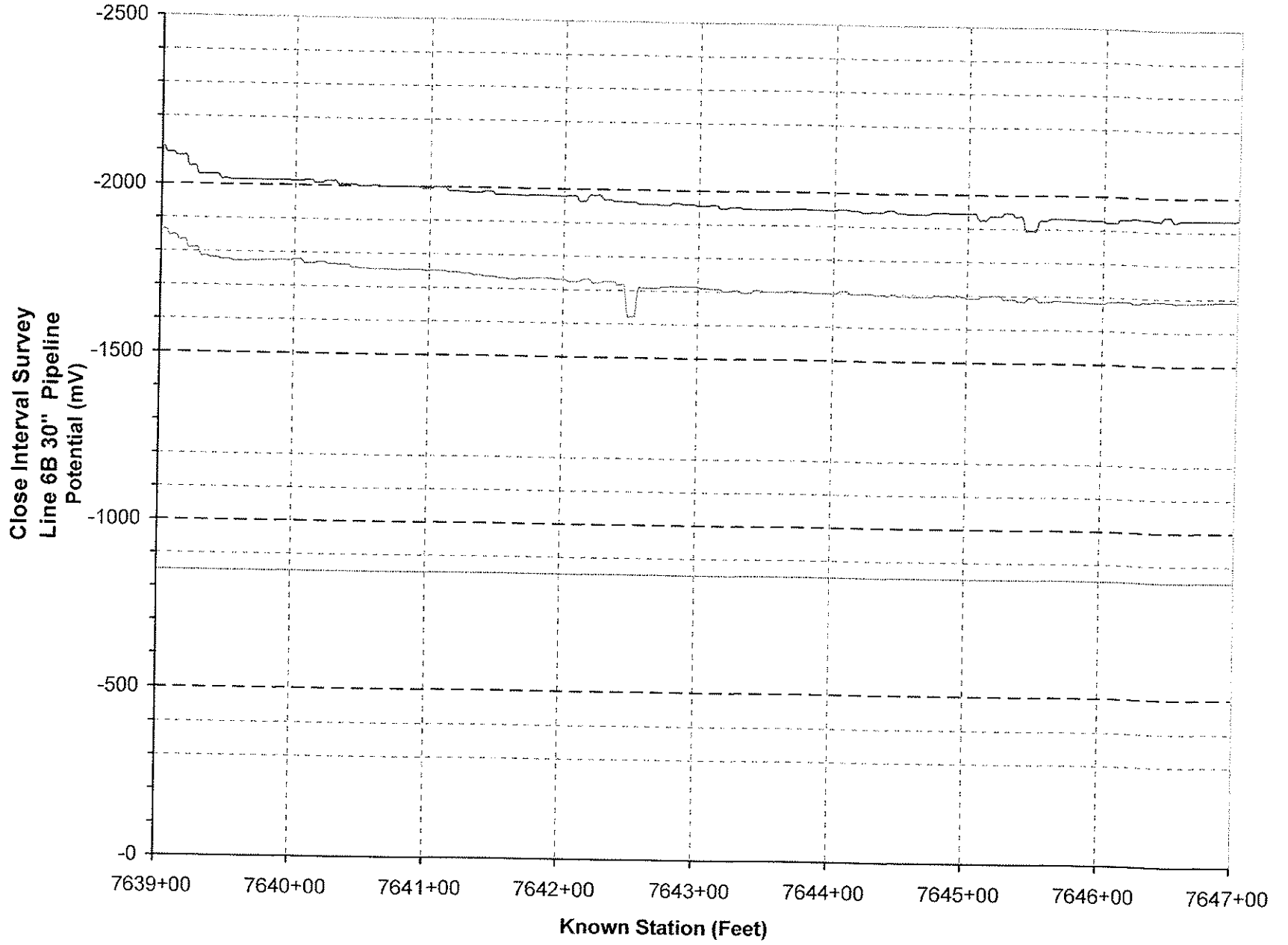
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Line 6B 30" Pipeline
Potential (mV)

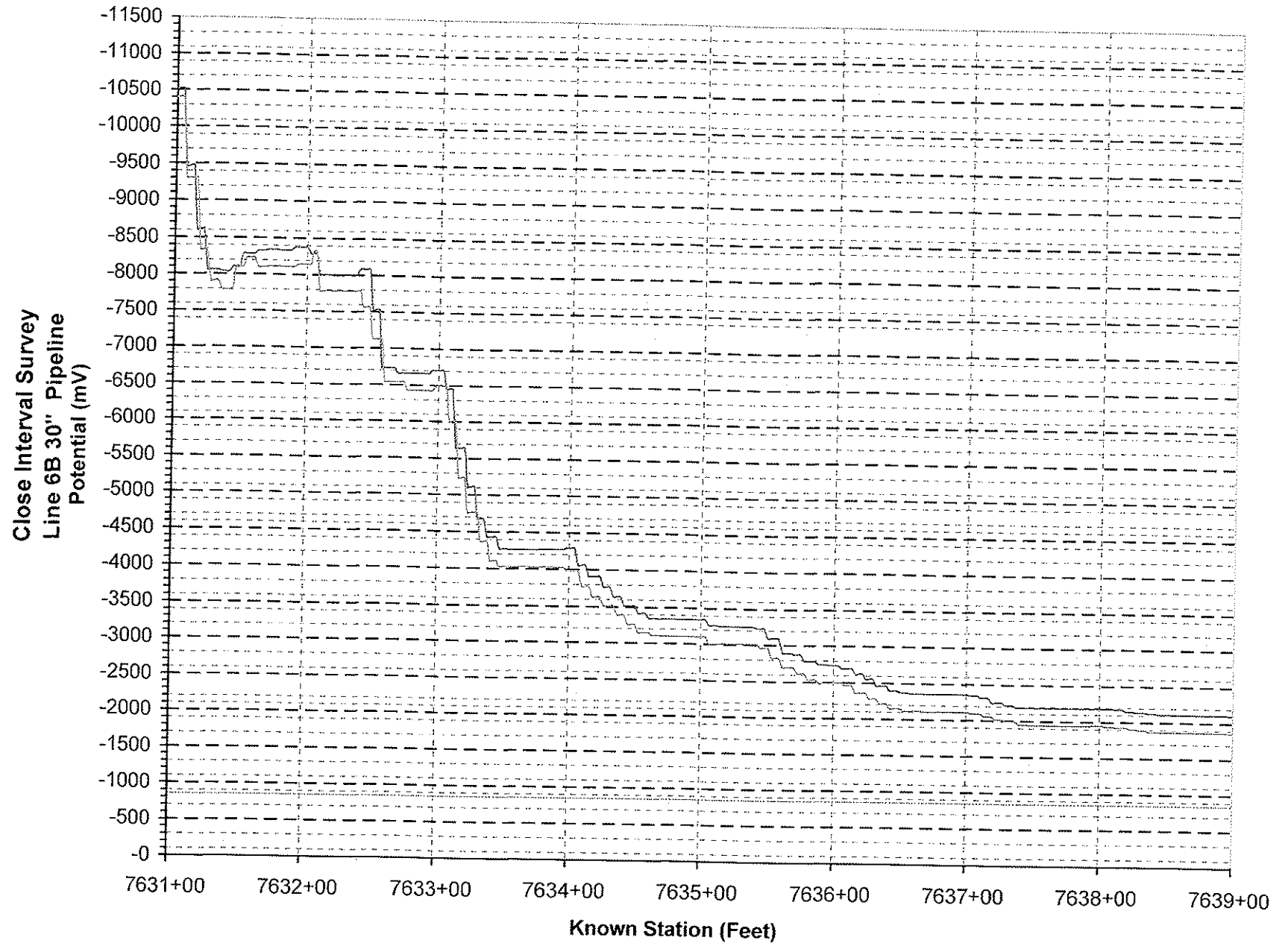


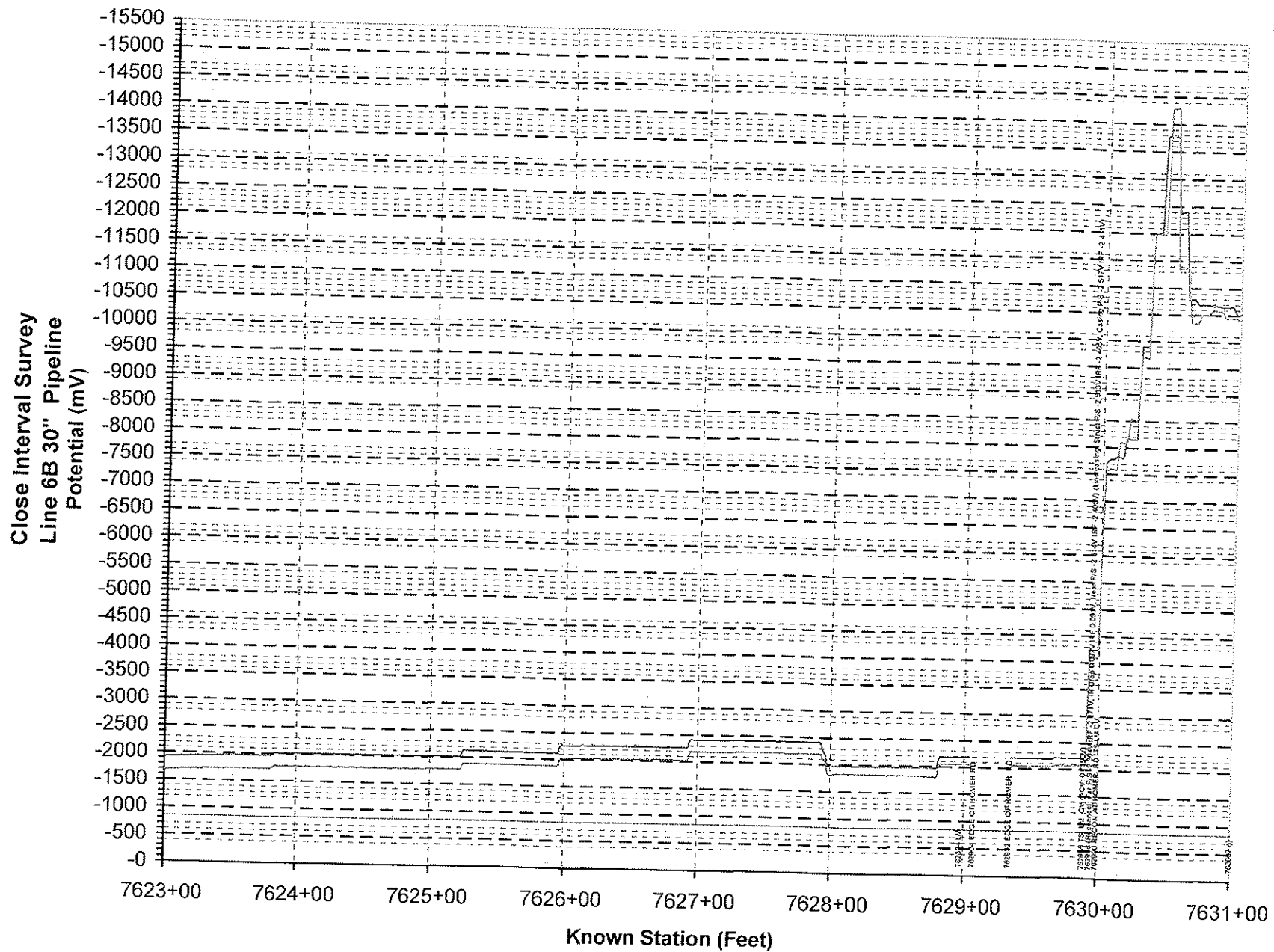
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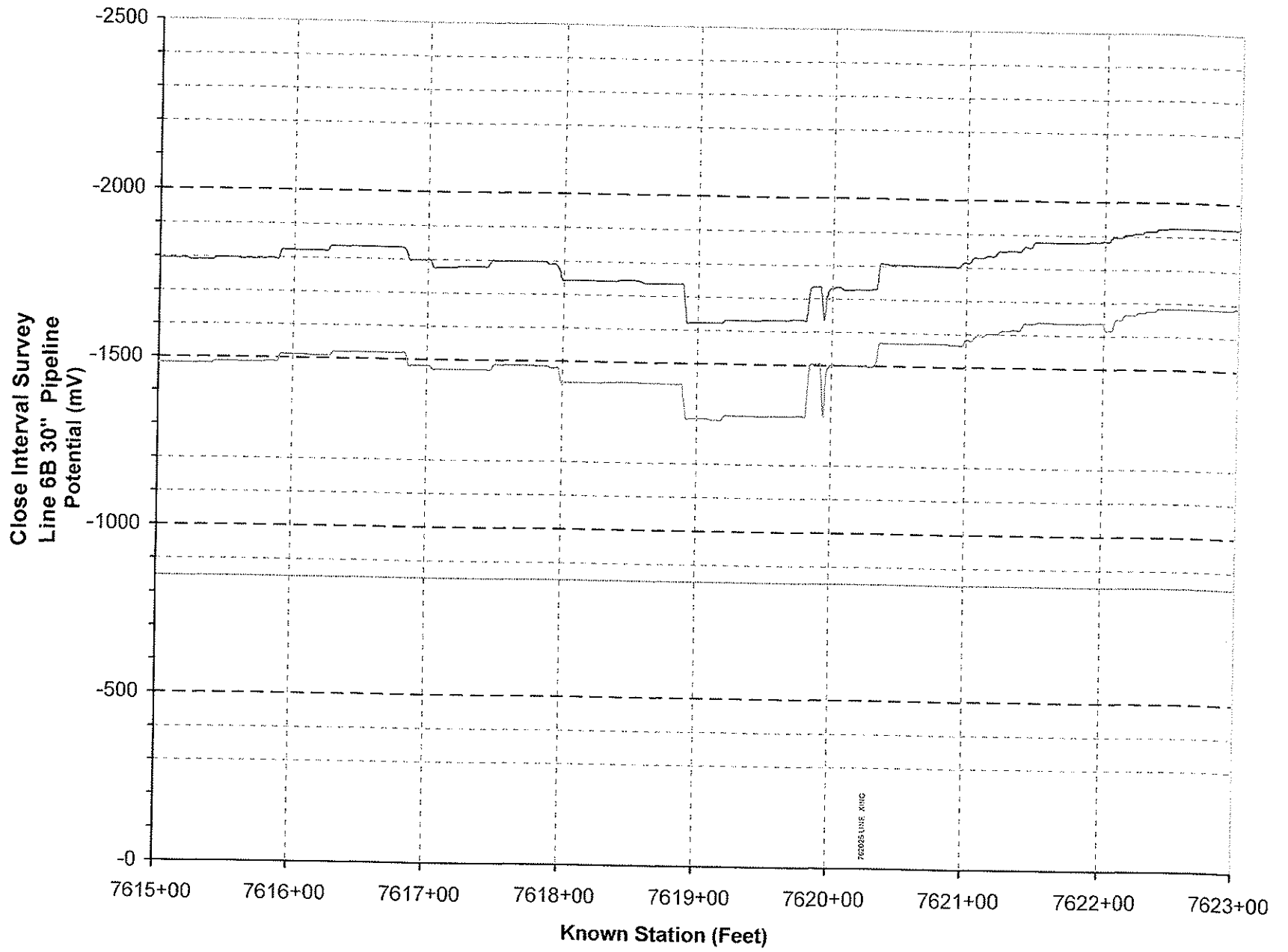


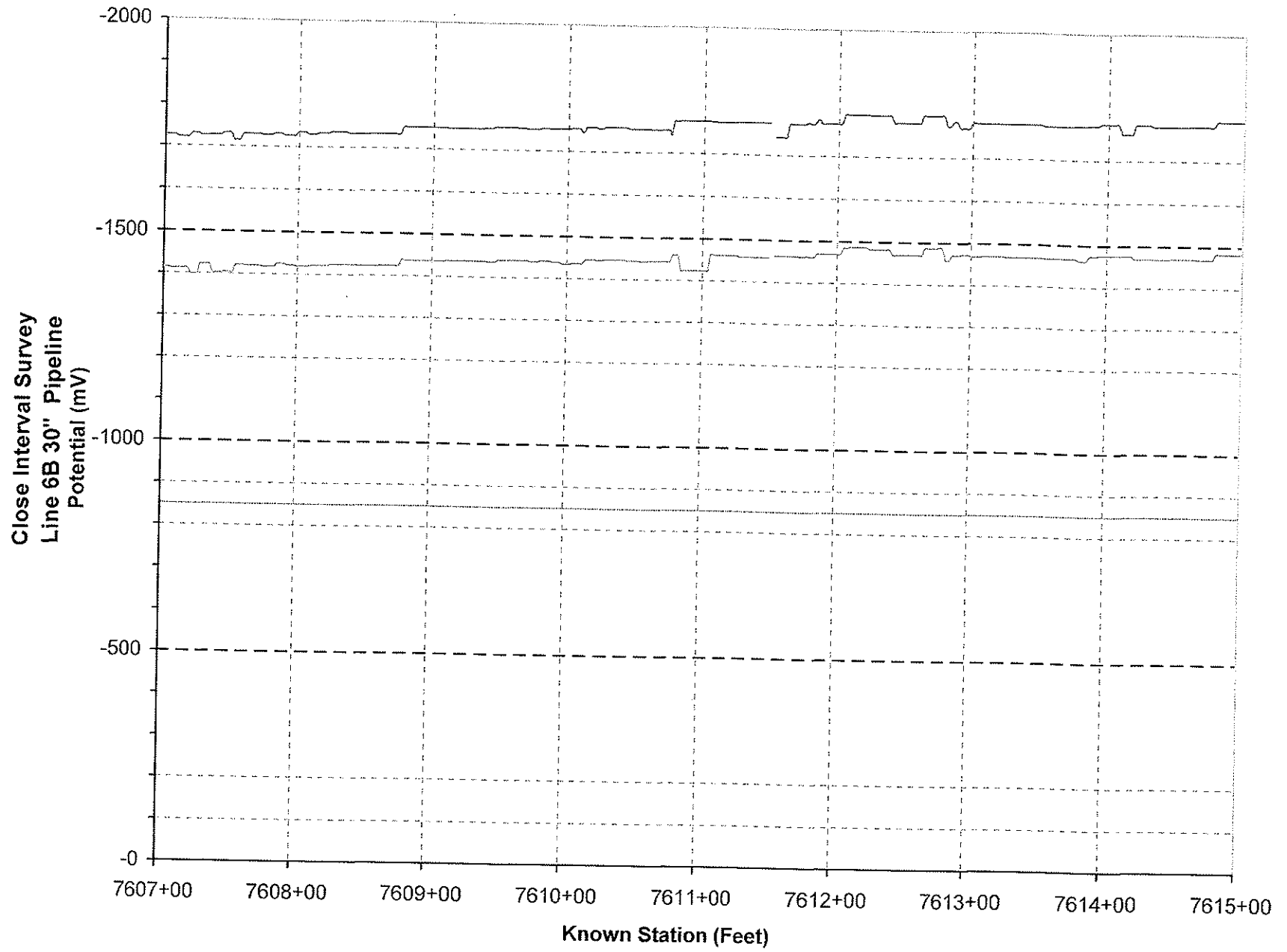


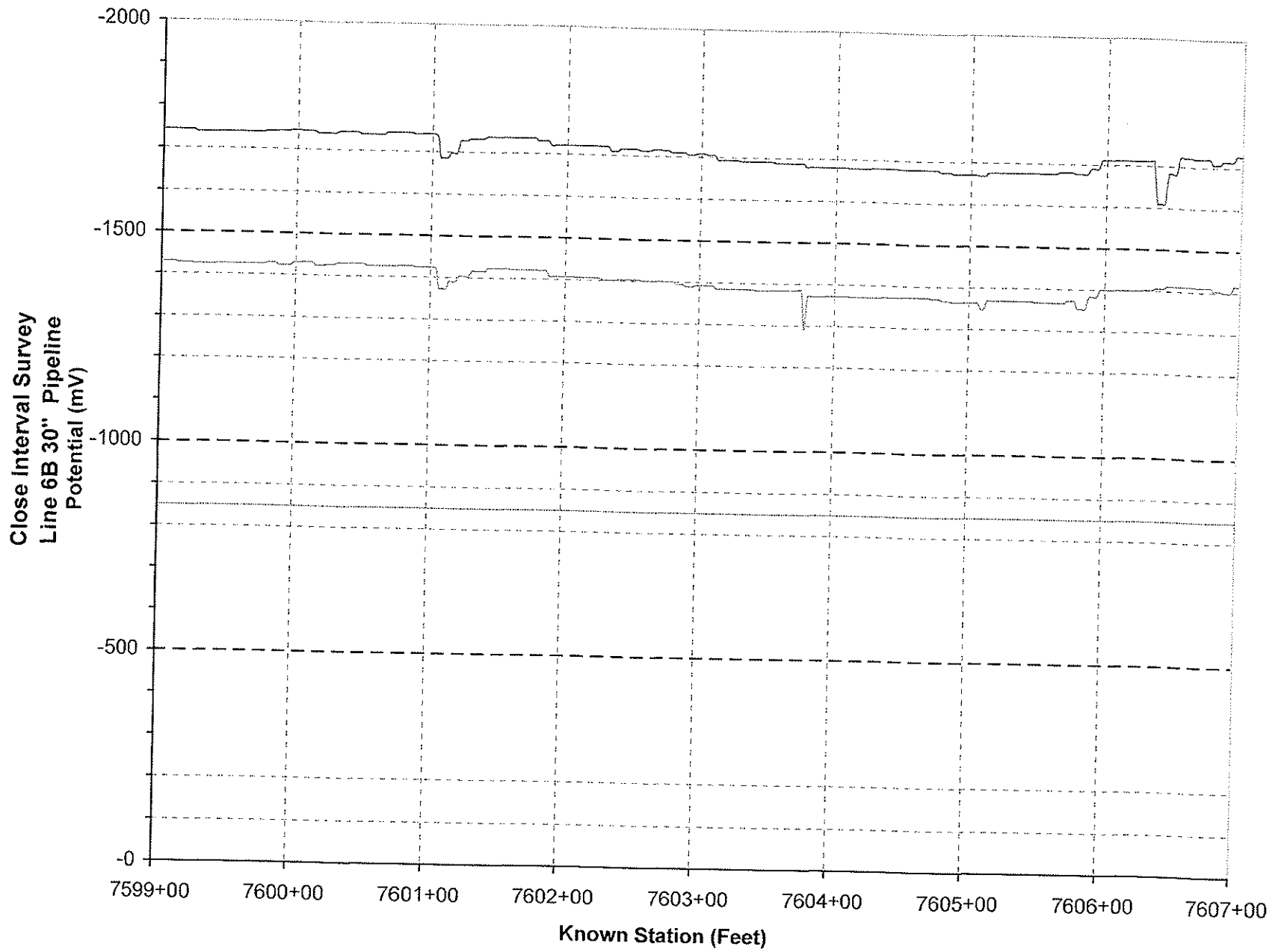


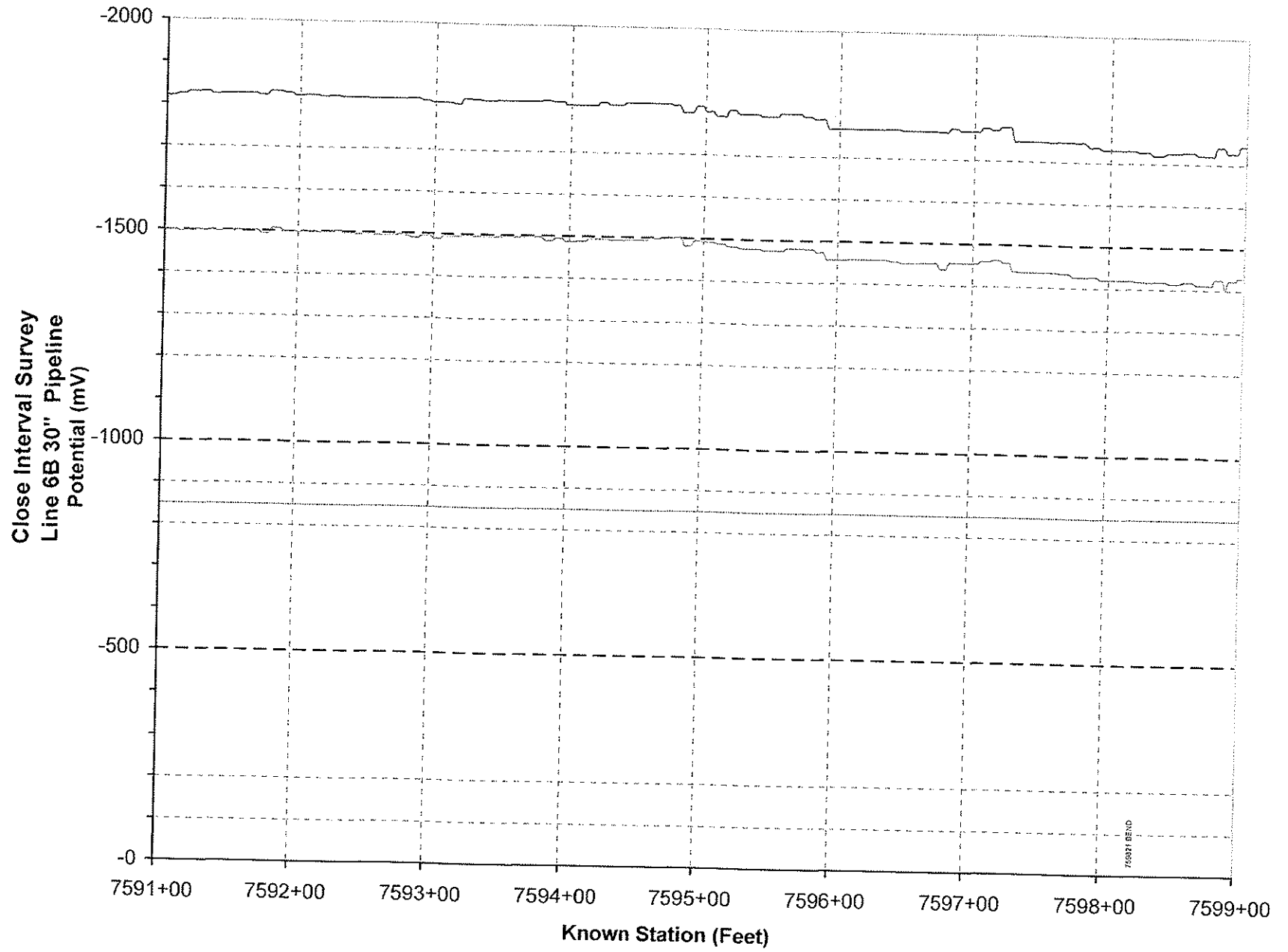


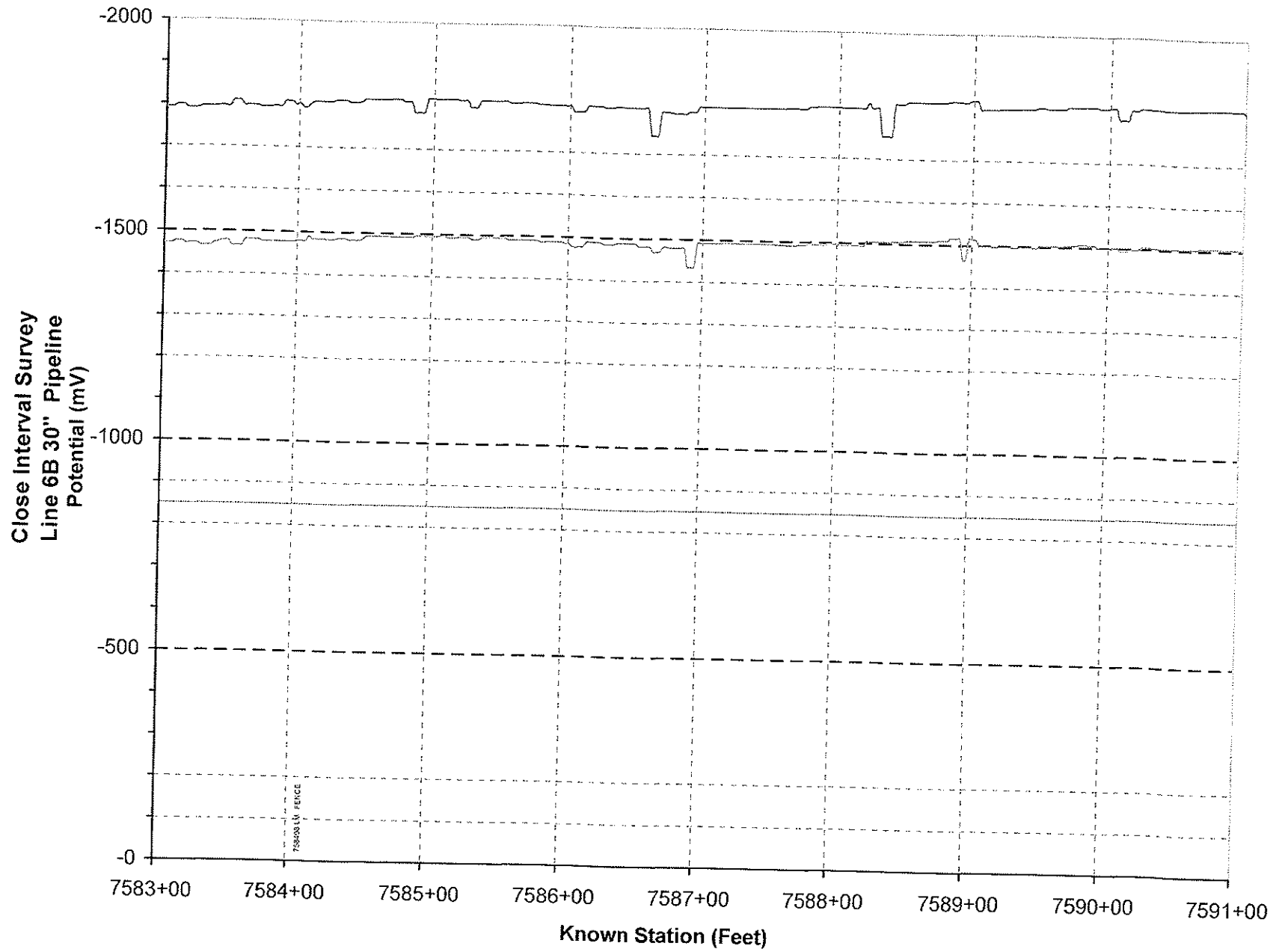


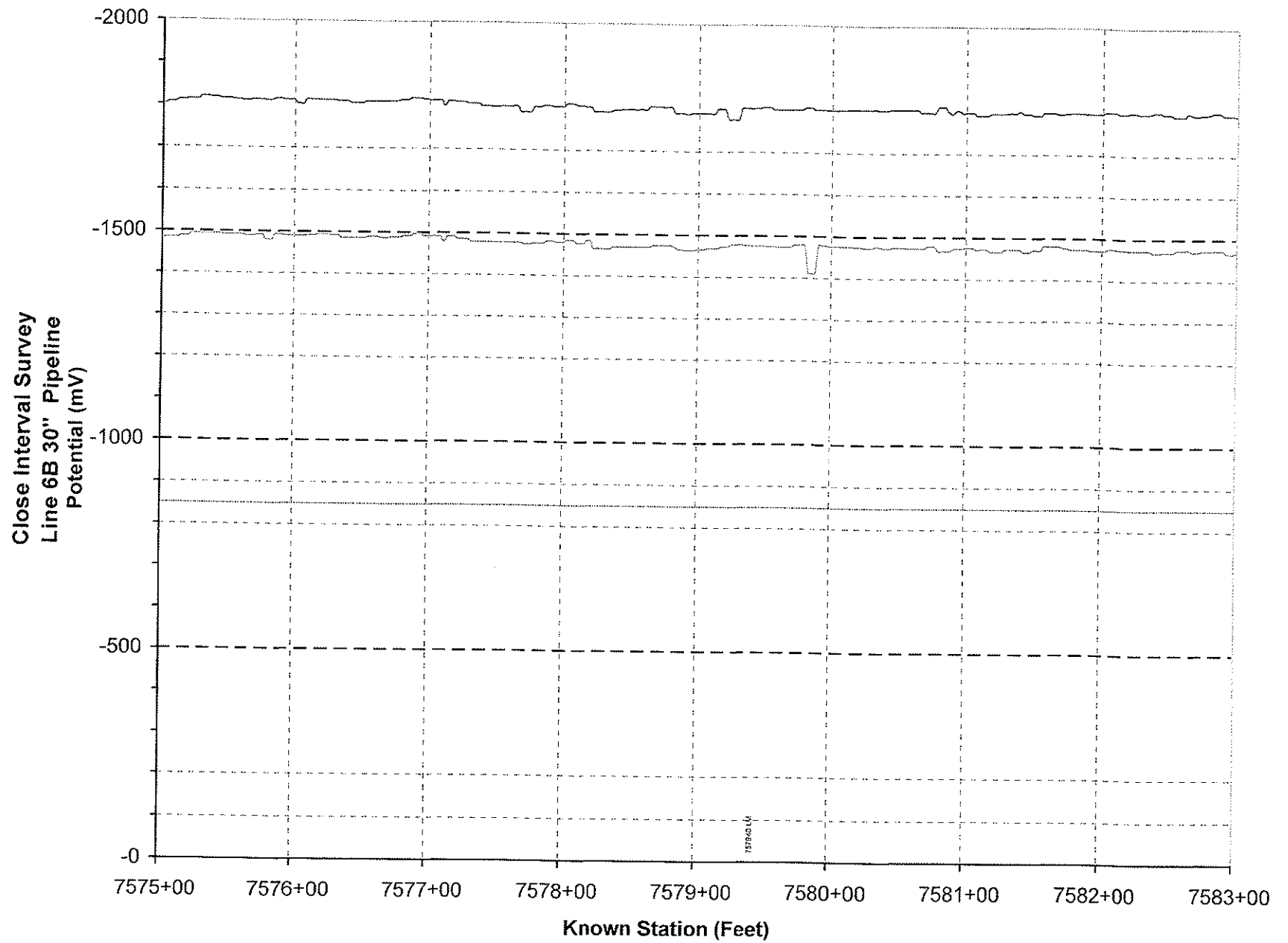


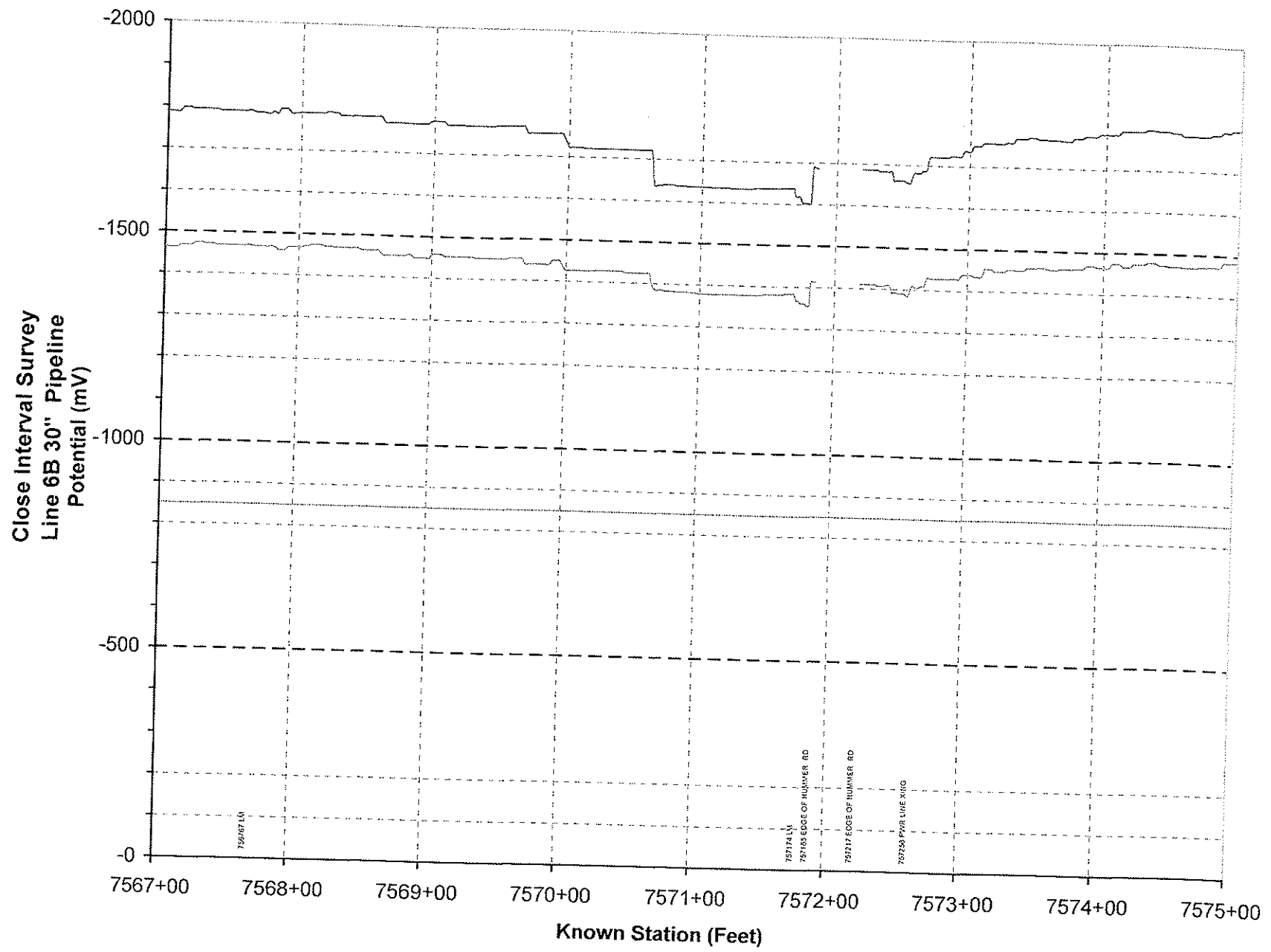


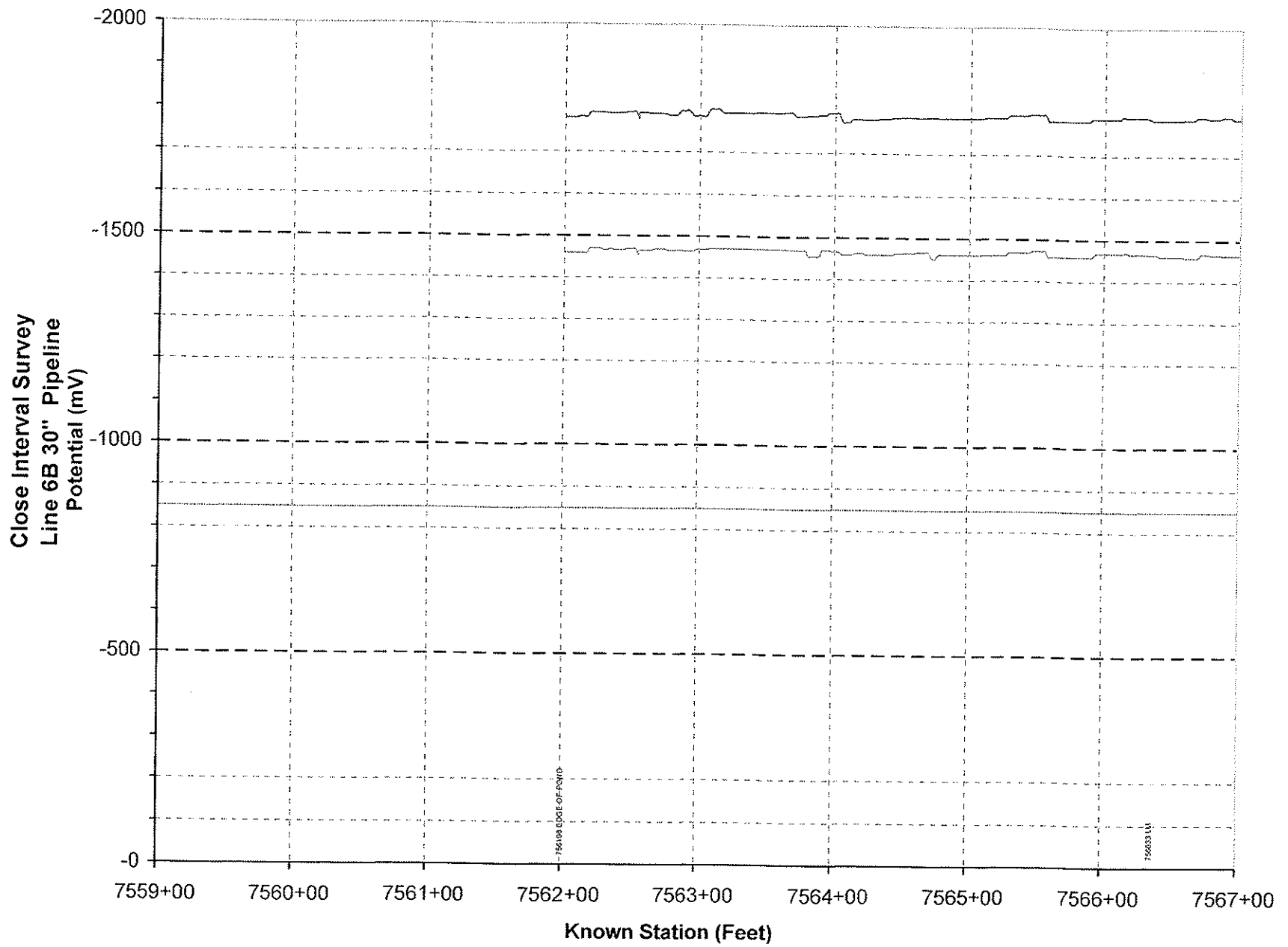




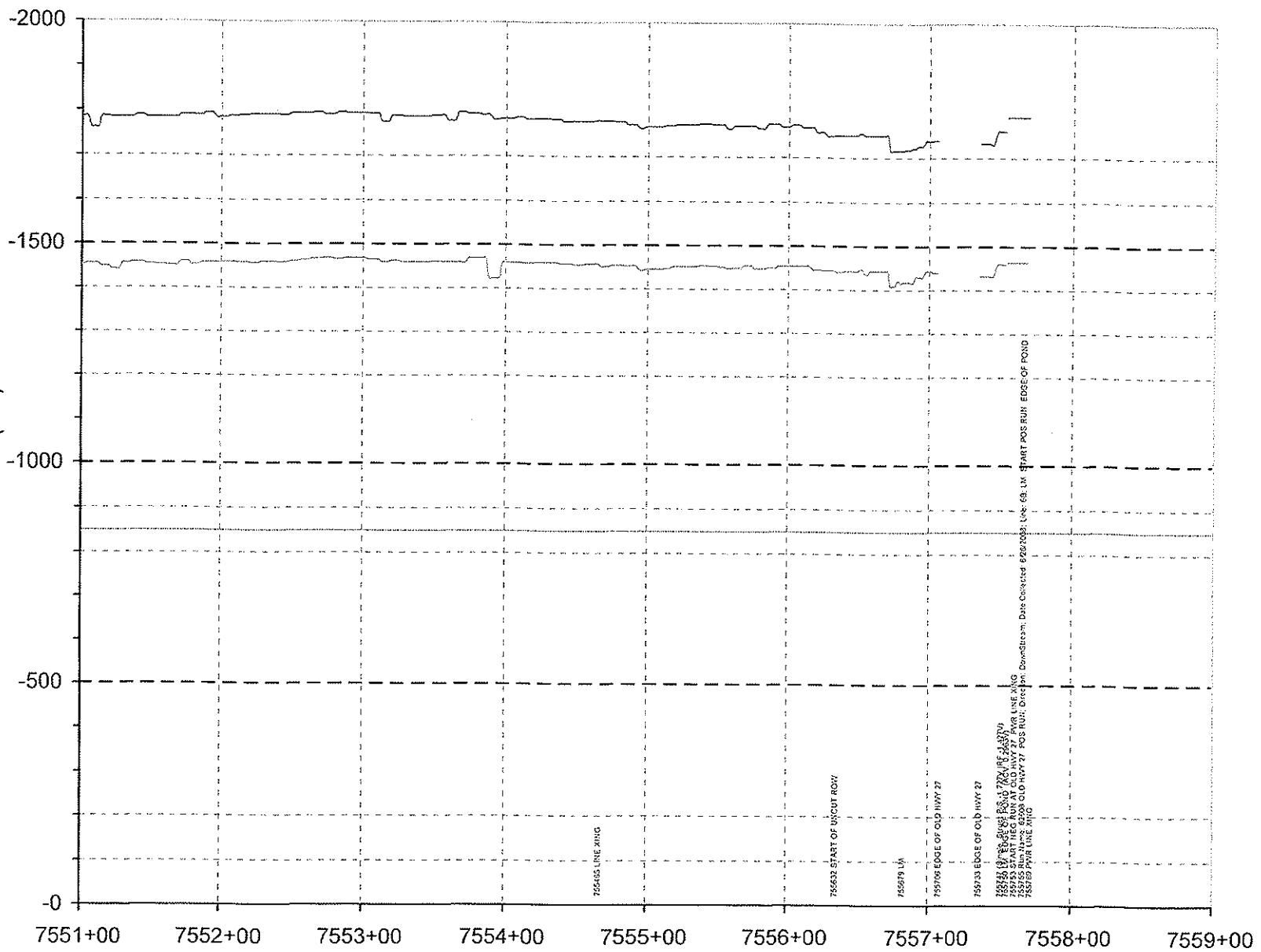




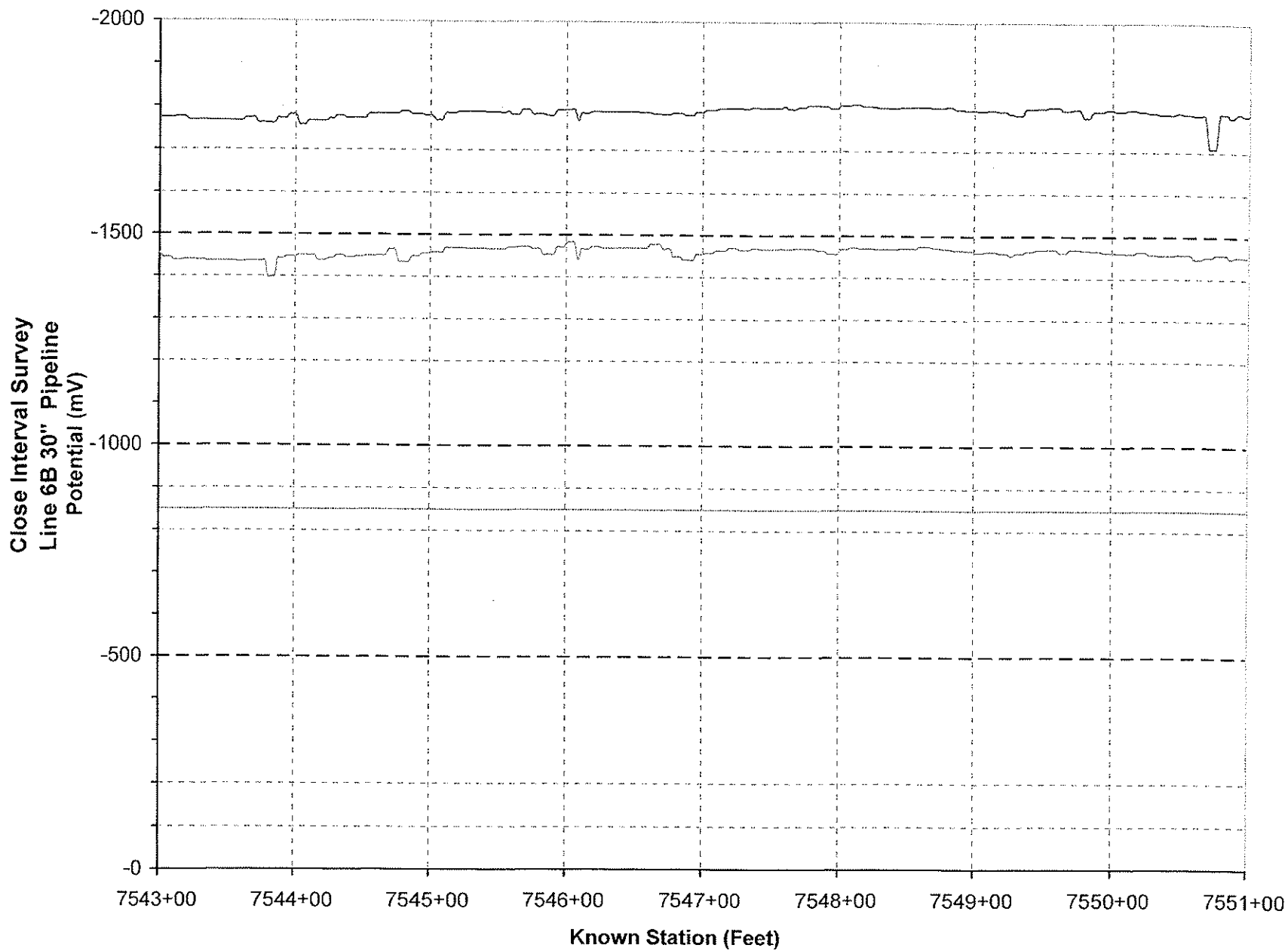




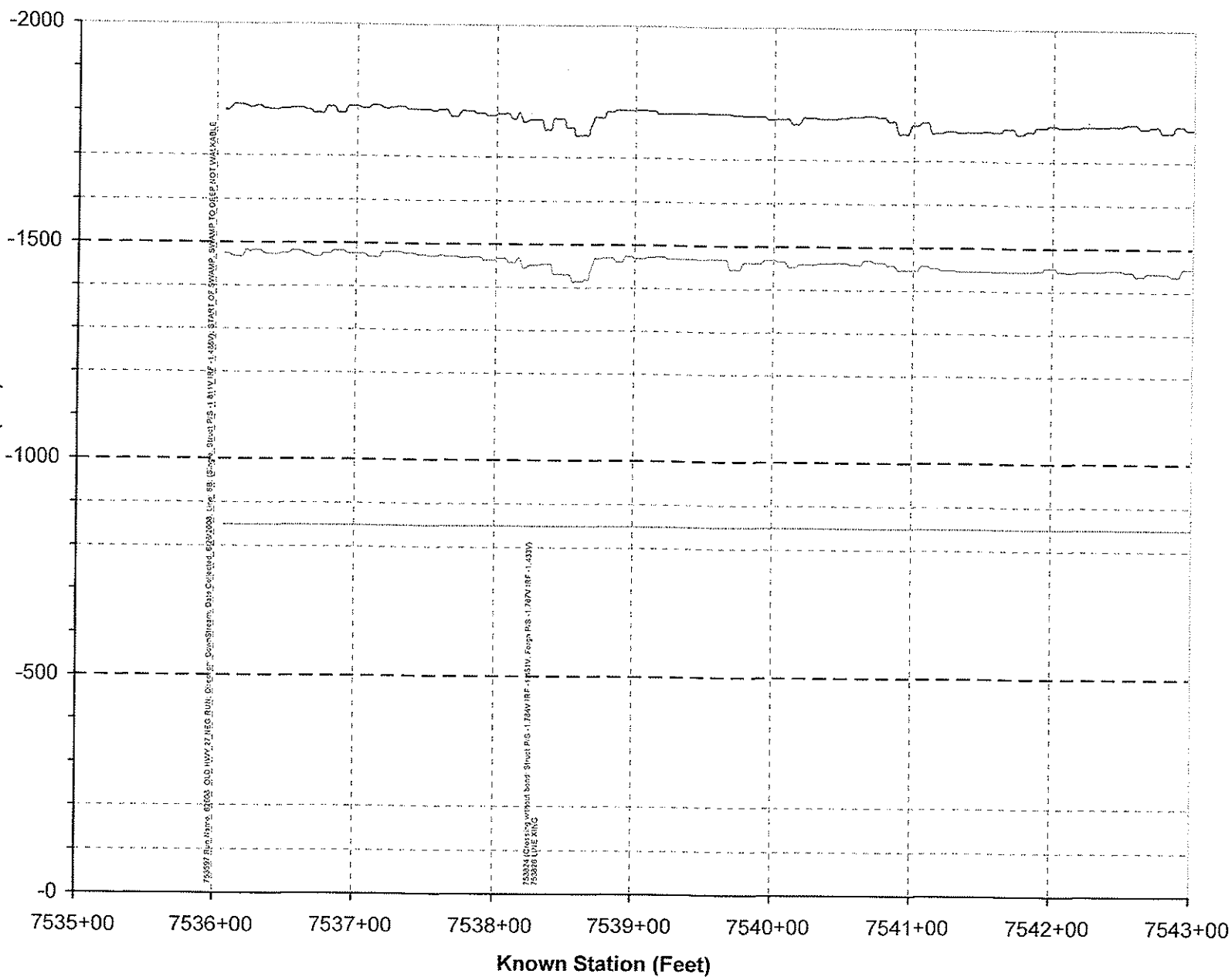
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Line 6B 30" Pipeline
Potential (mV)

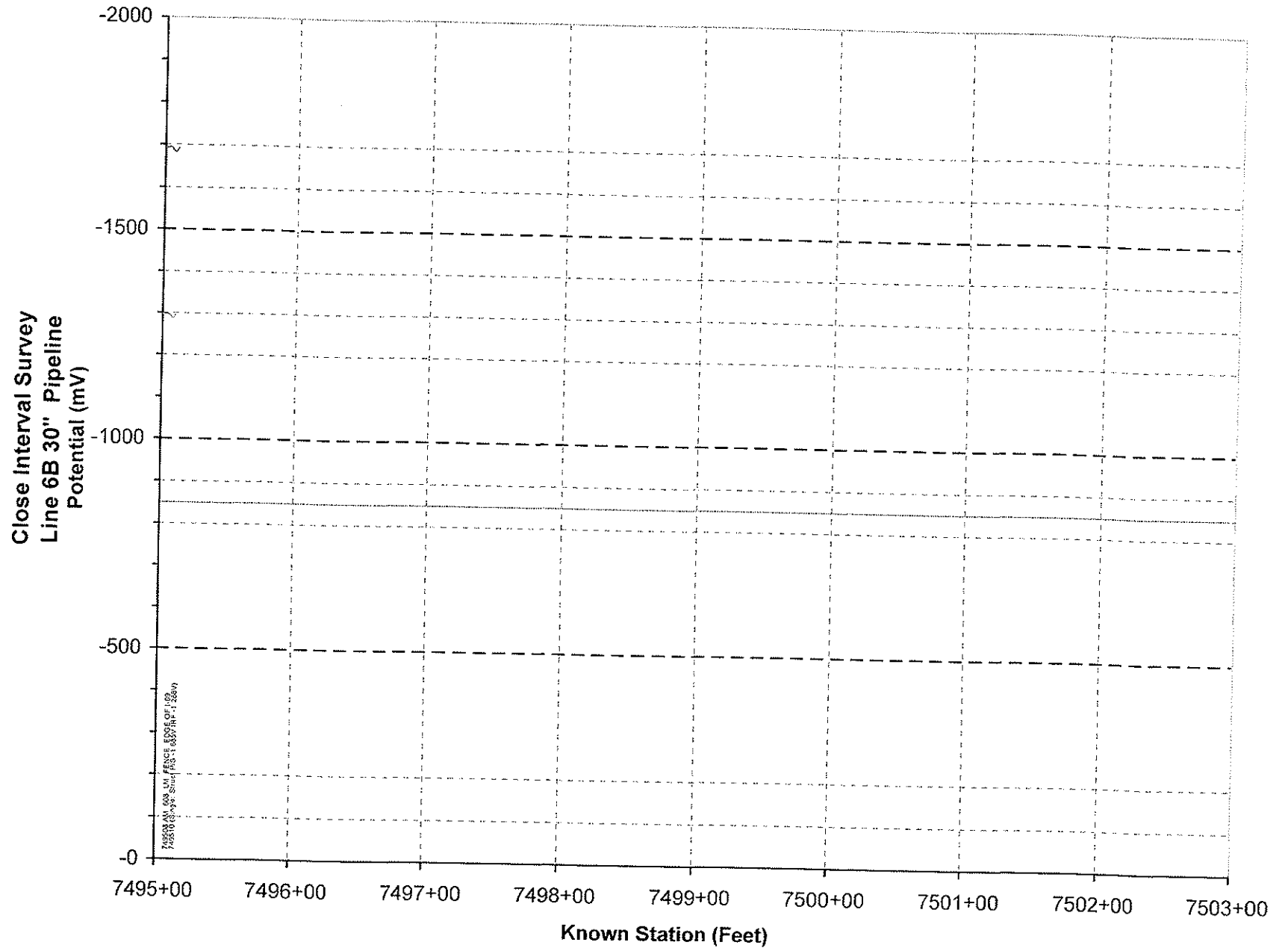


Known Station (Feet)

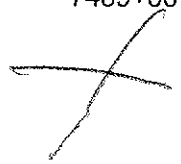
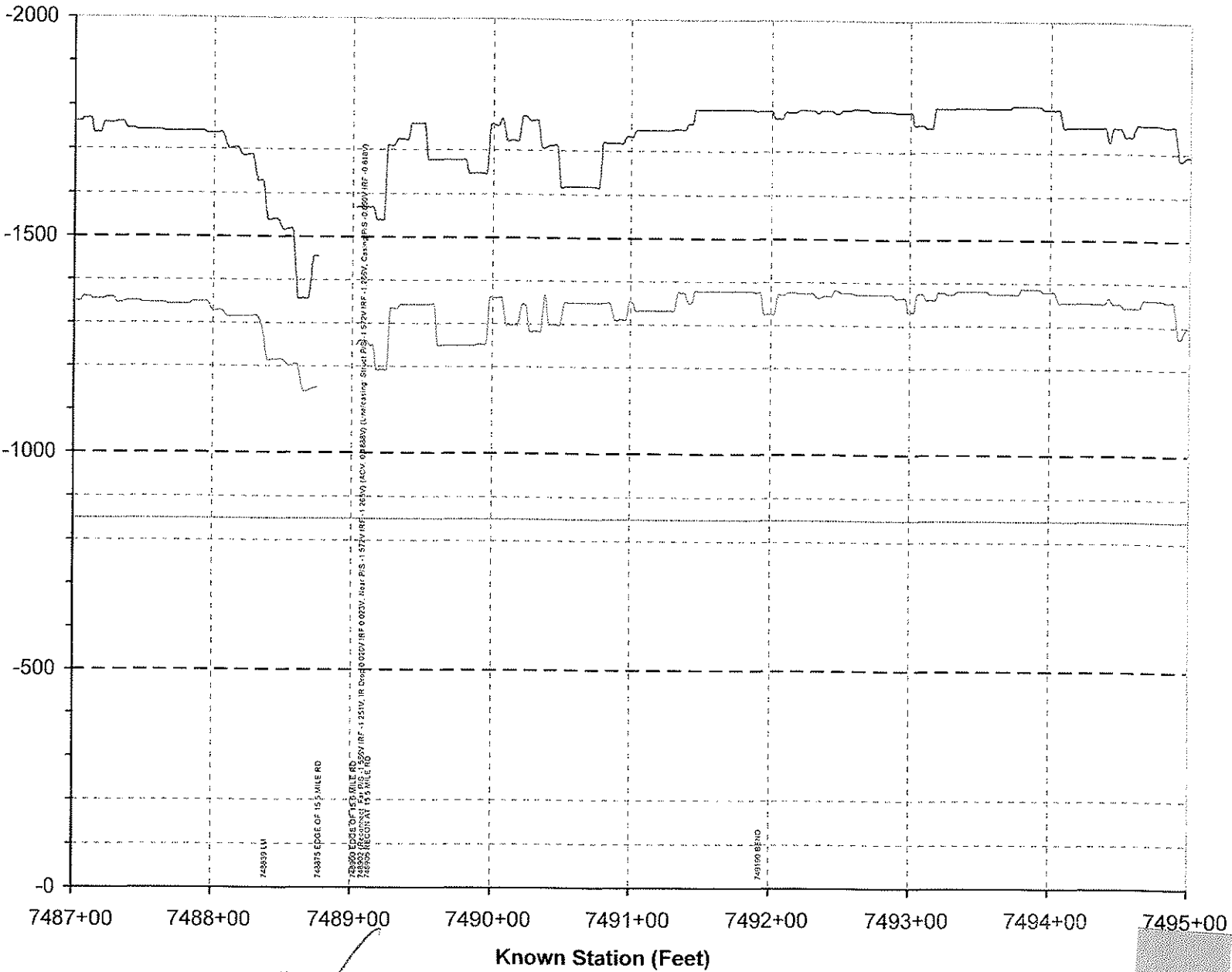


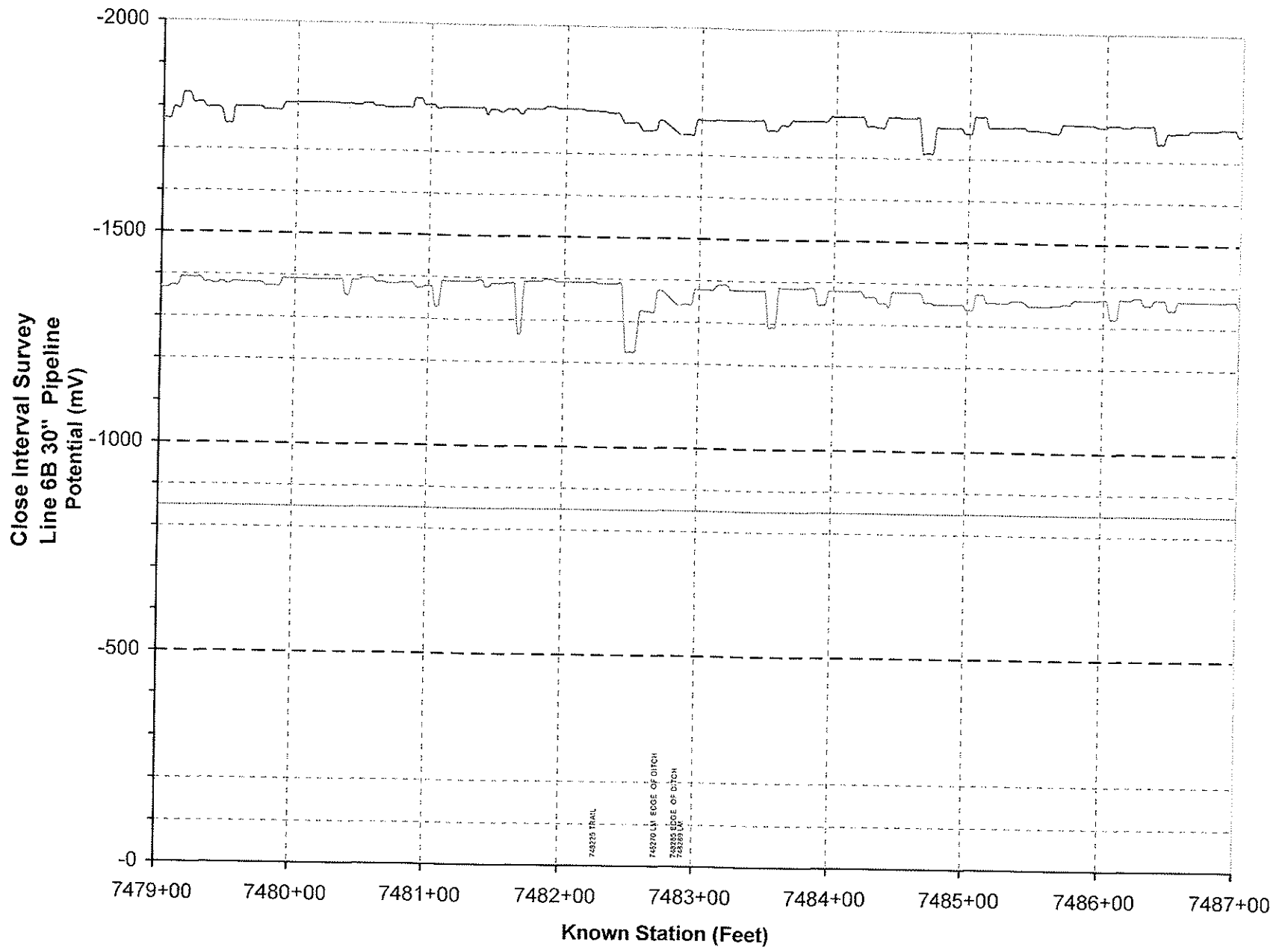
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Potential (mV)

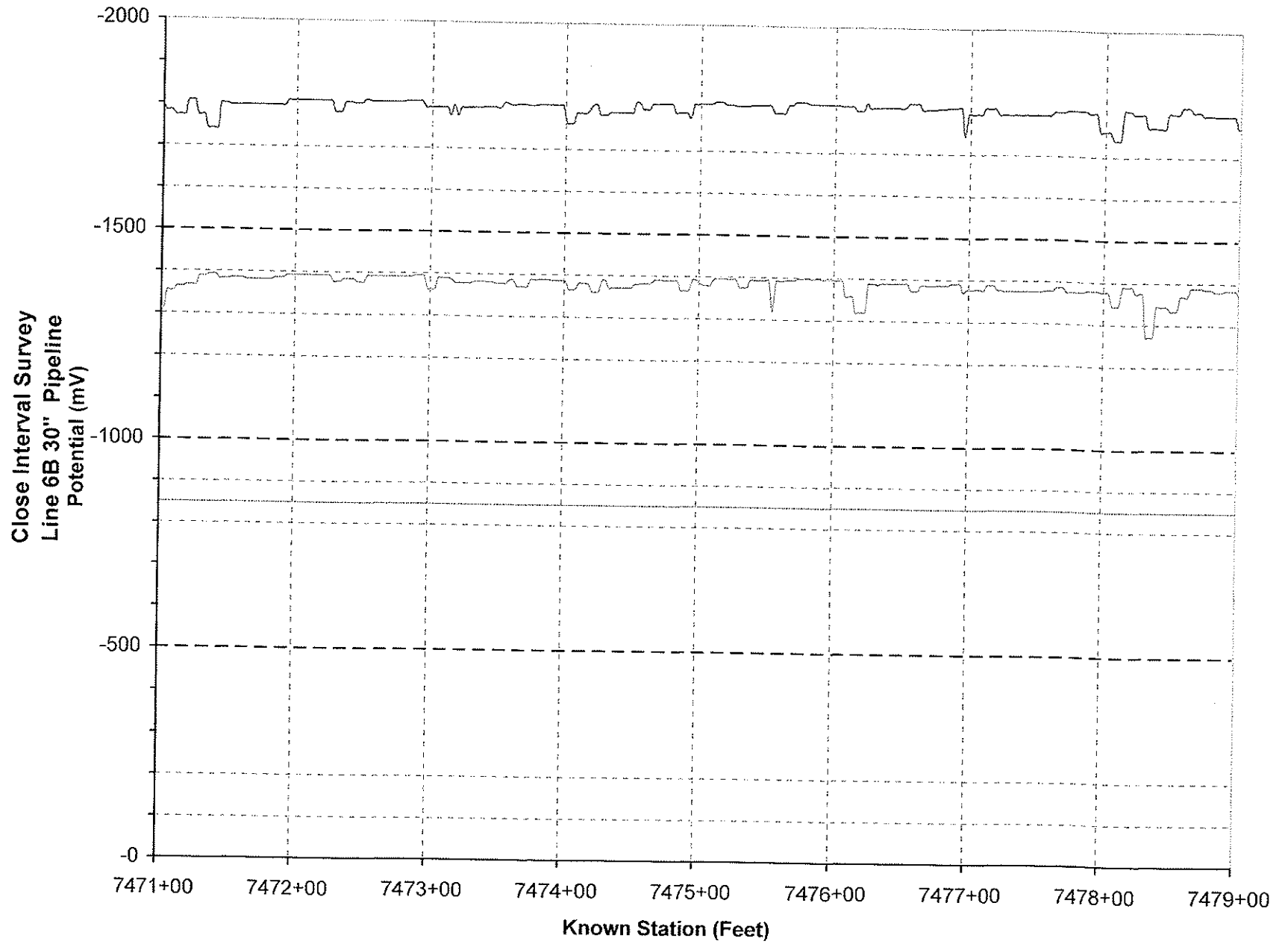


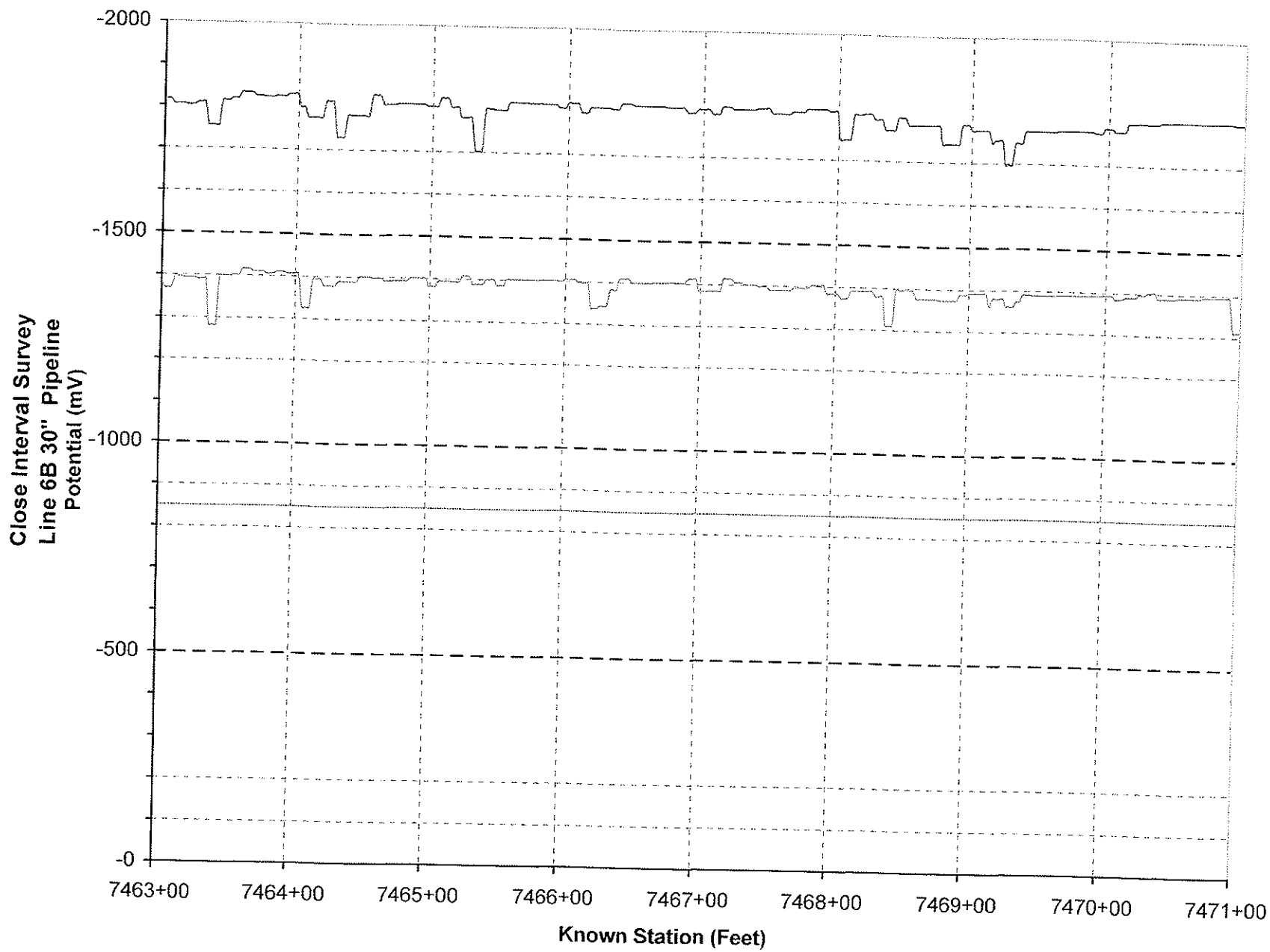


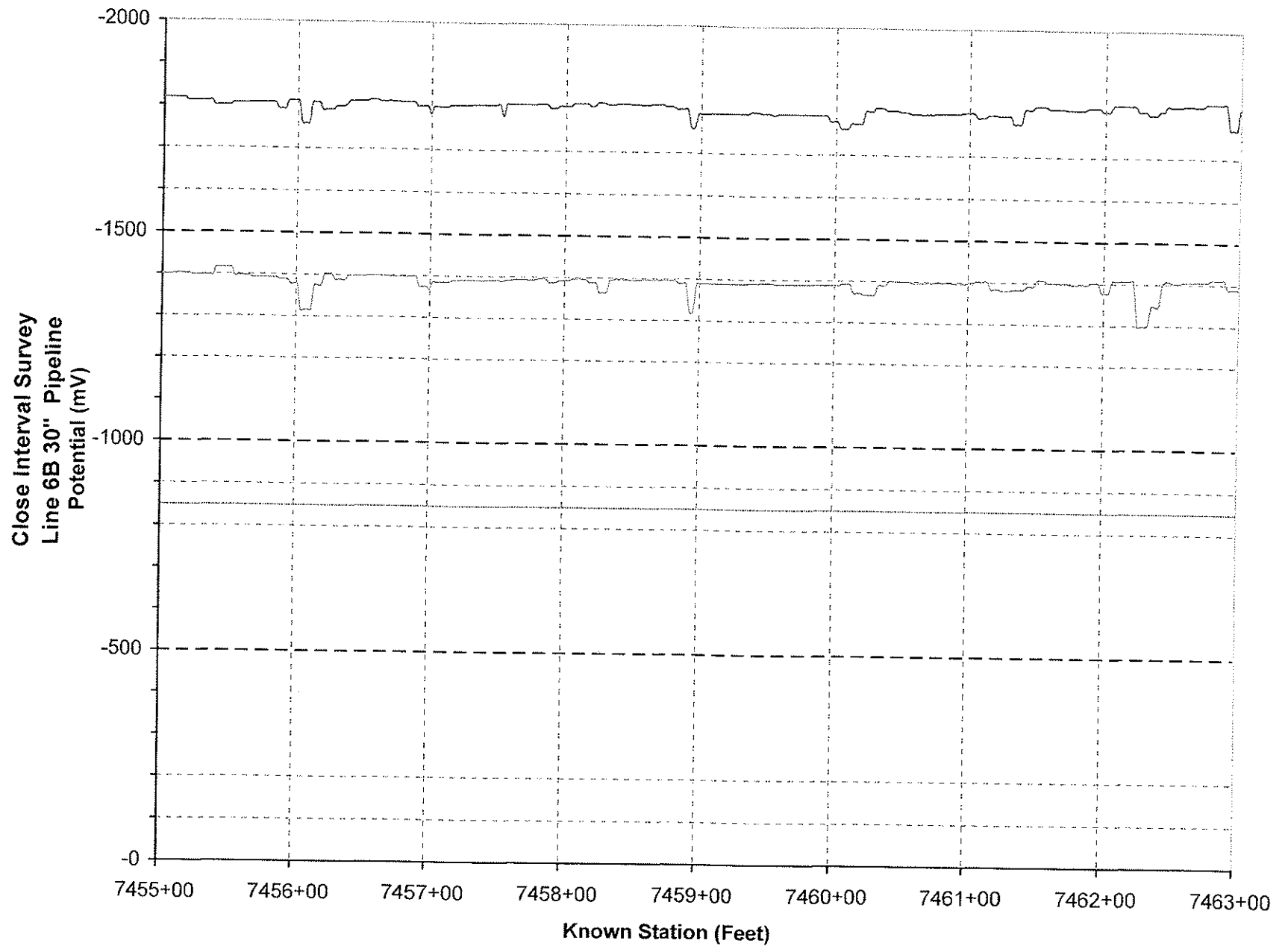
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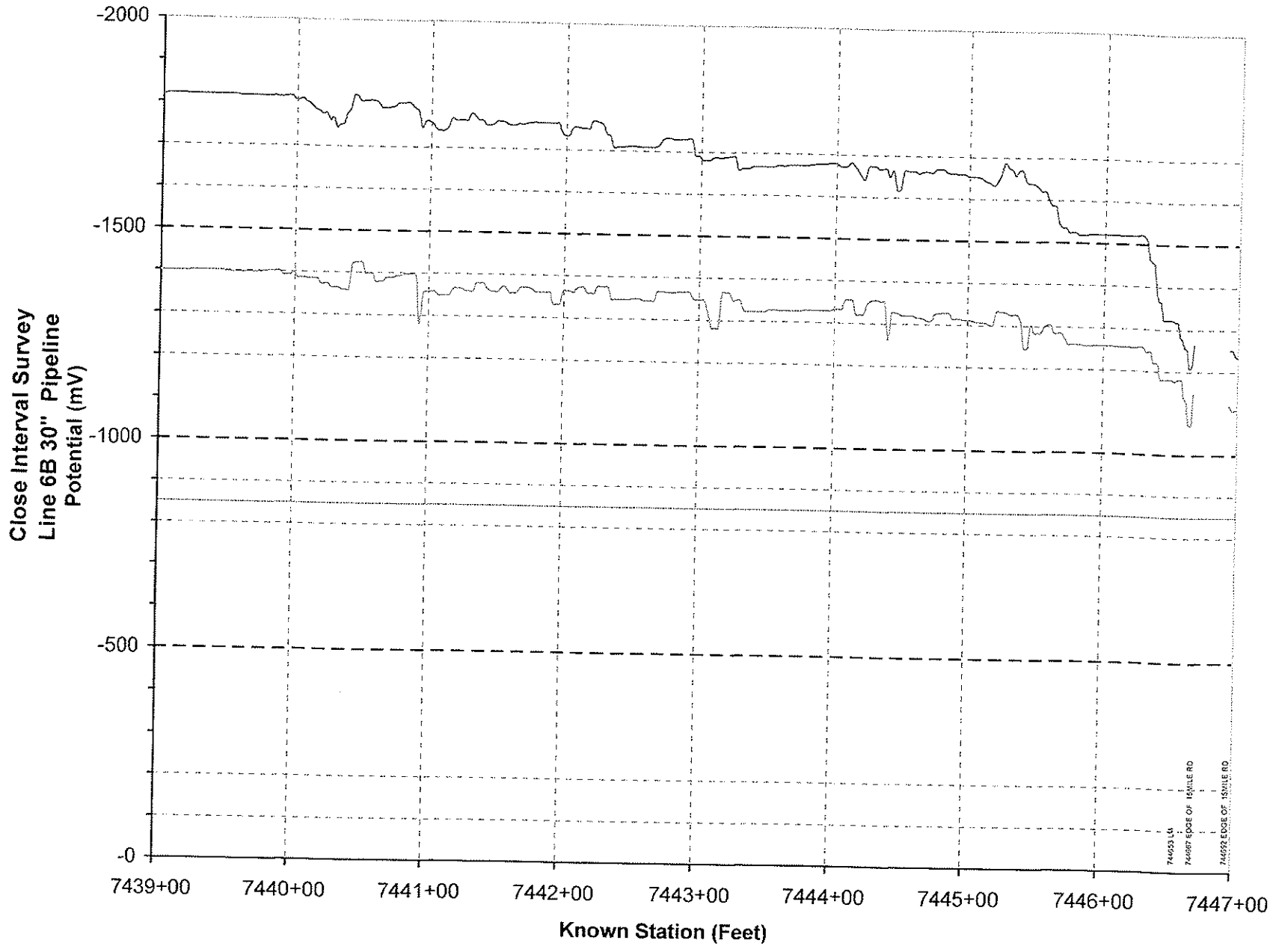


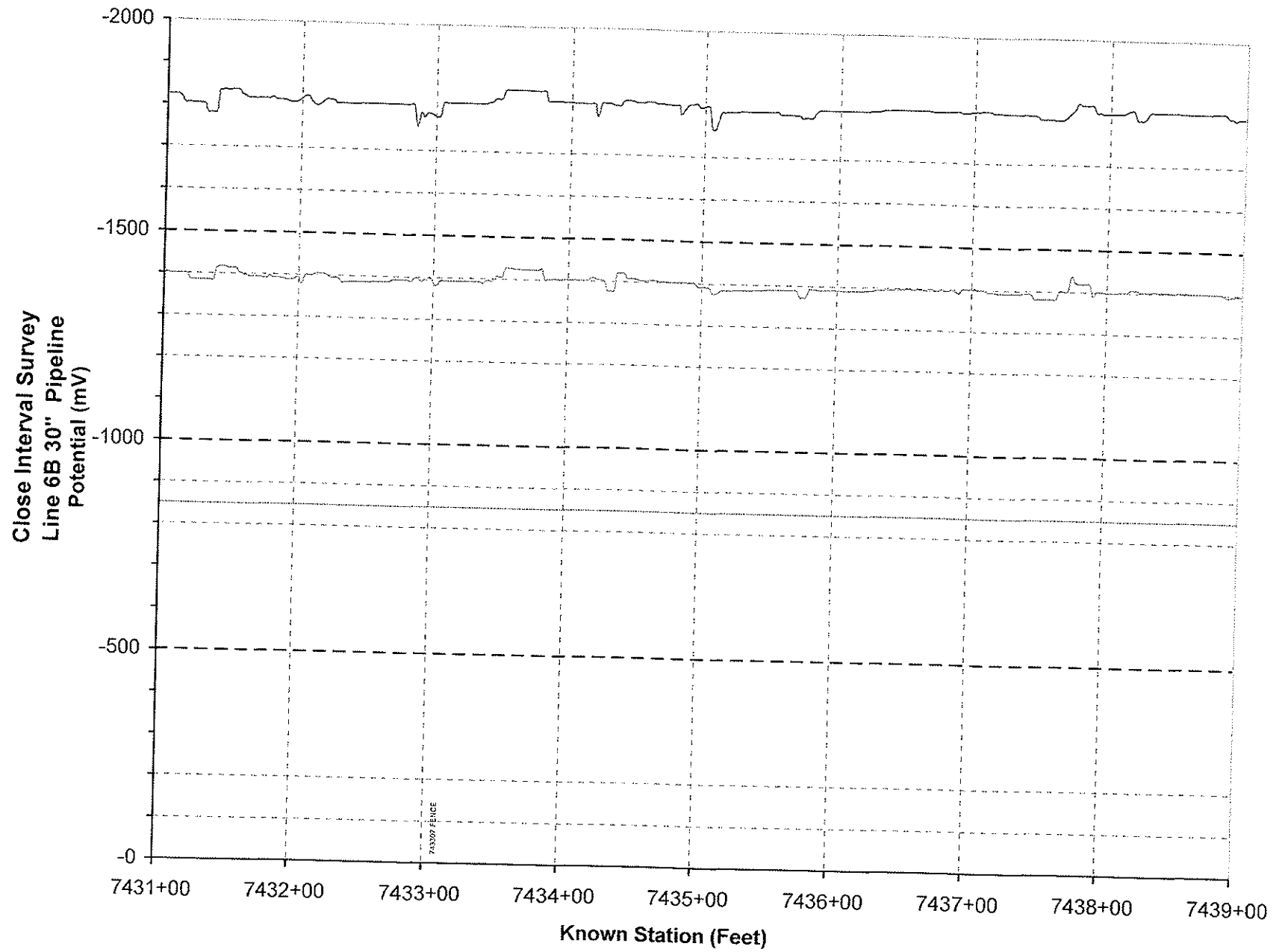


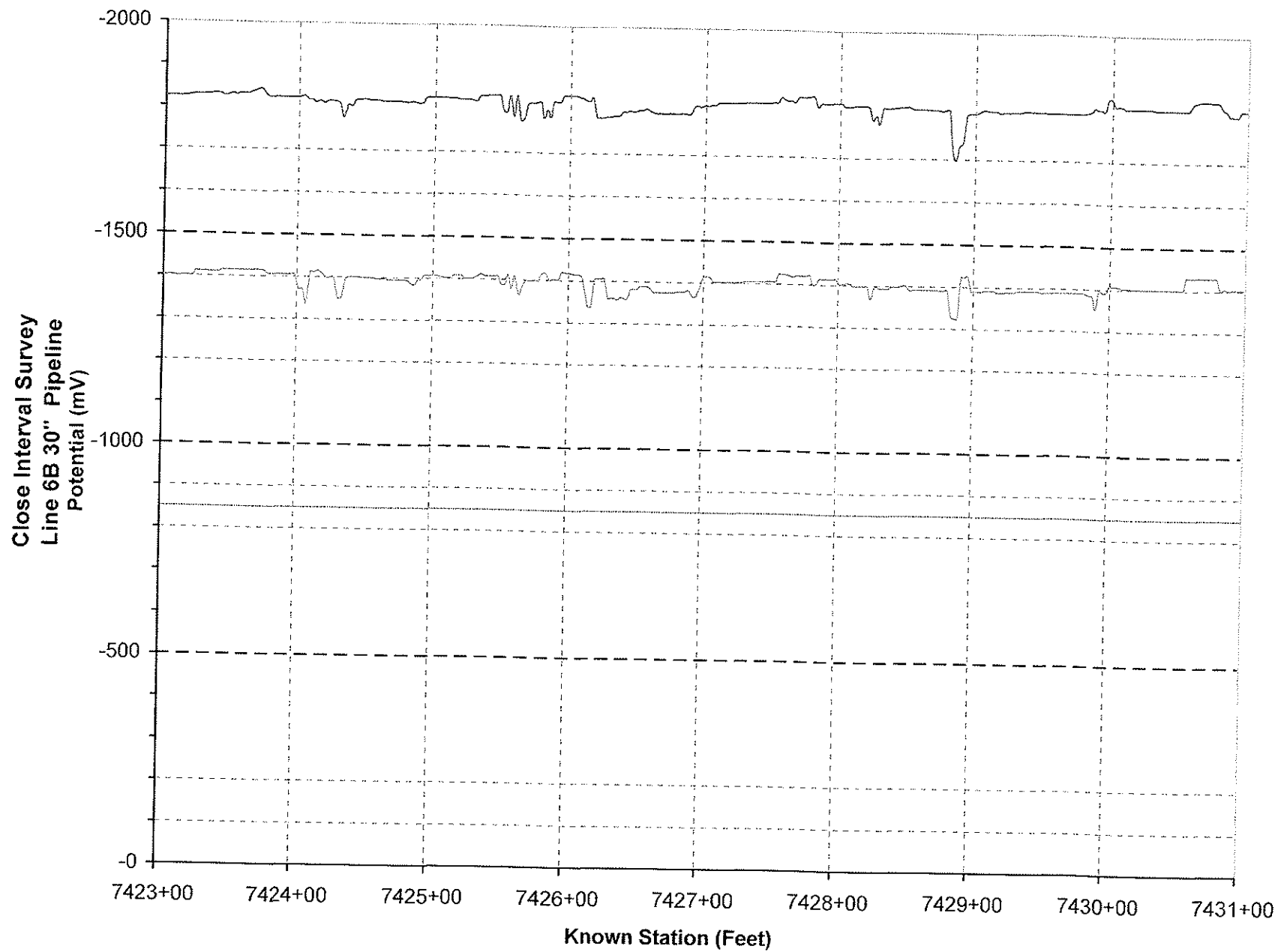


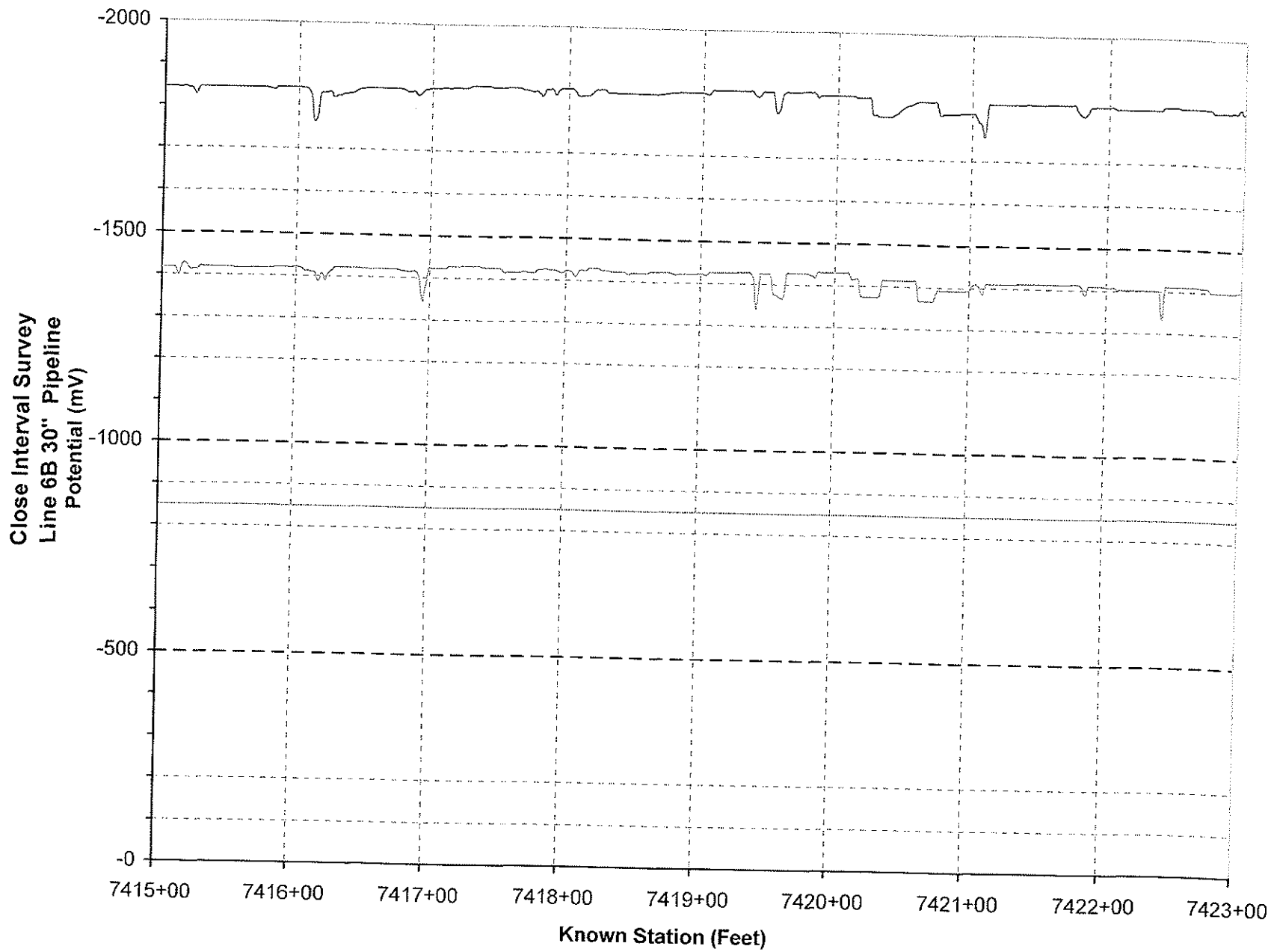


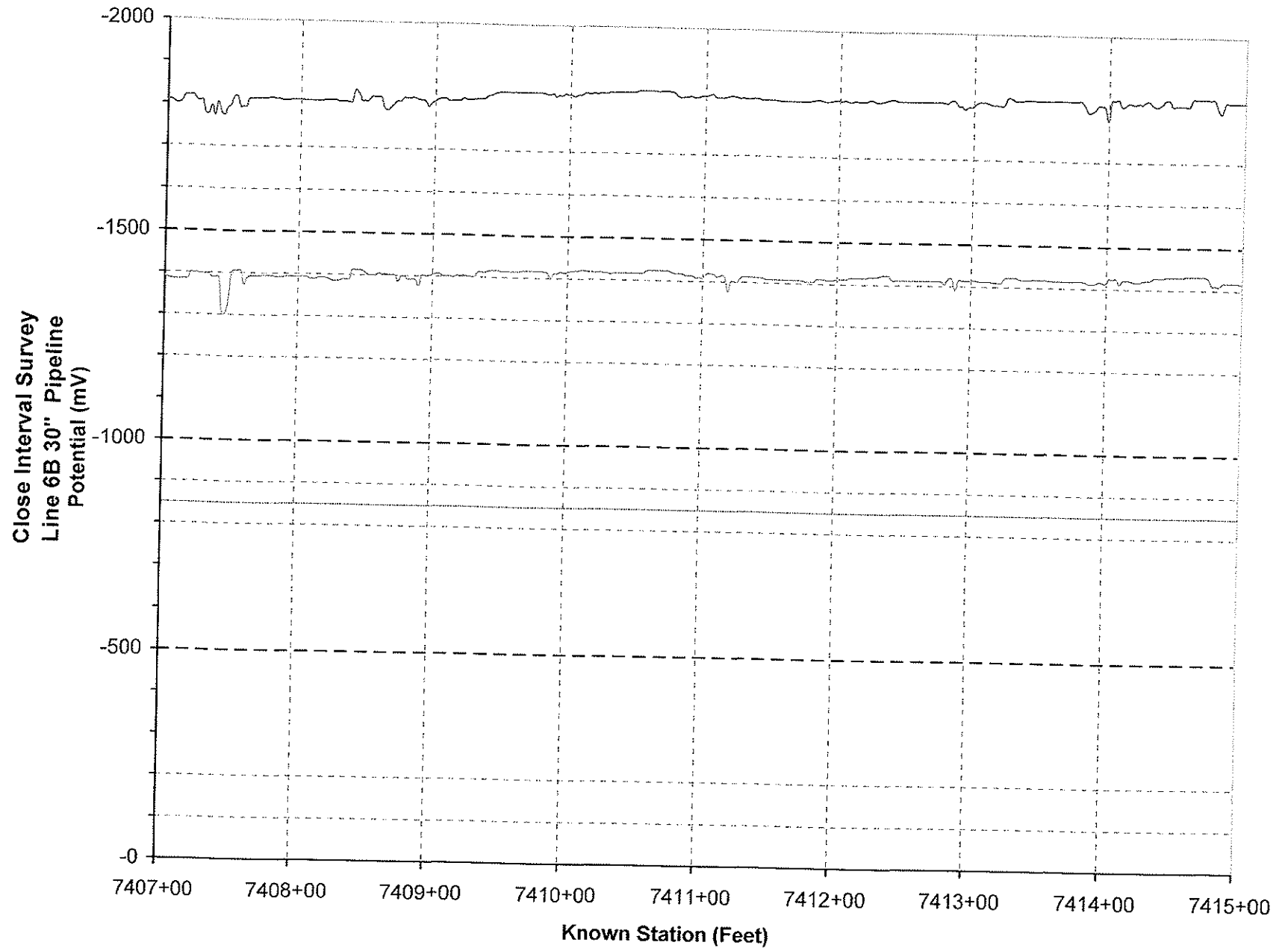


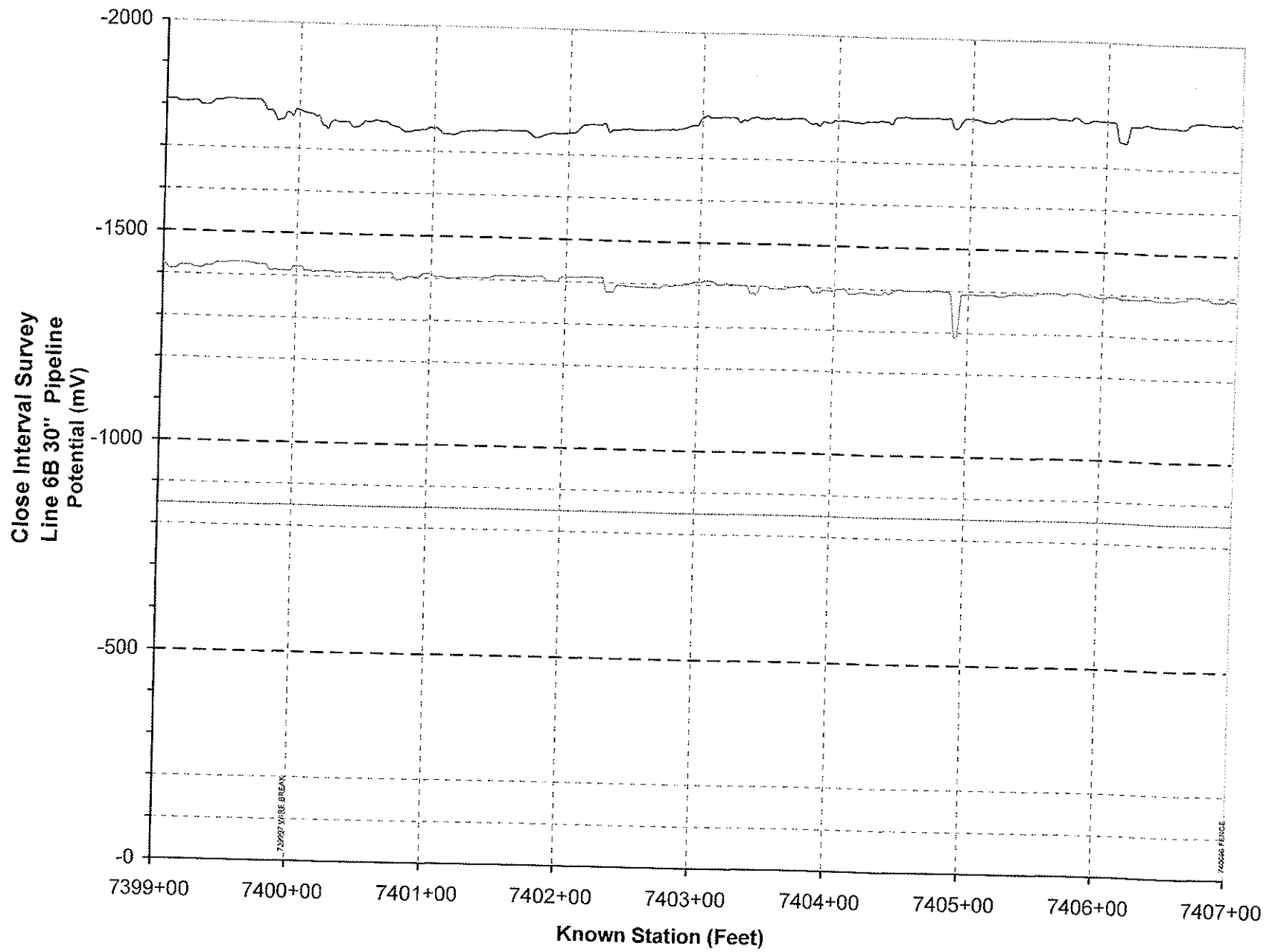


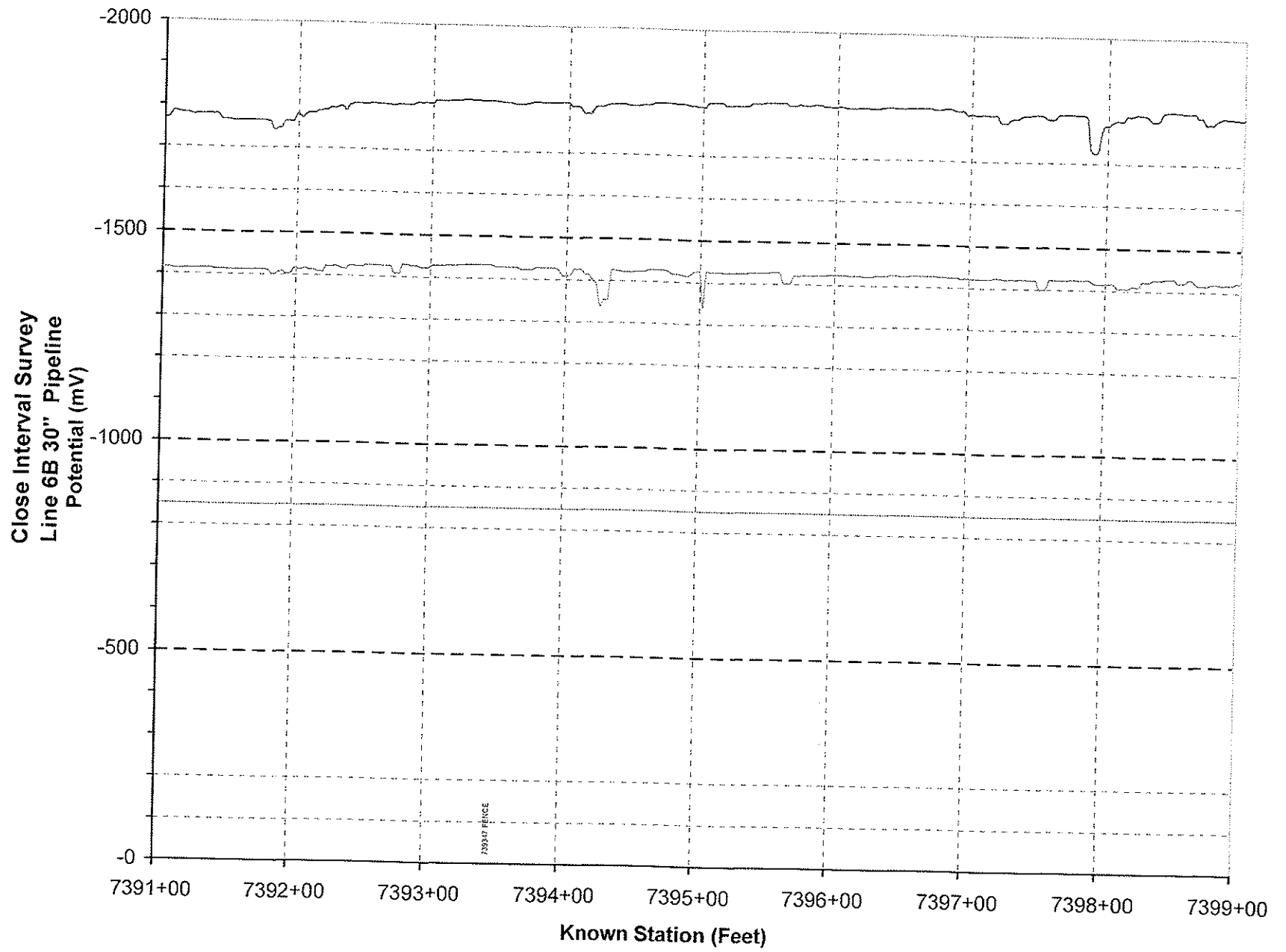


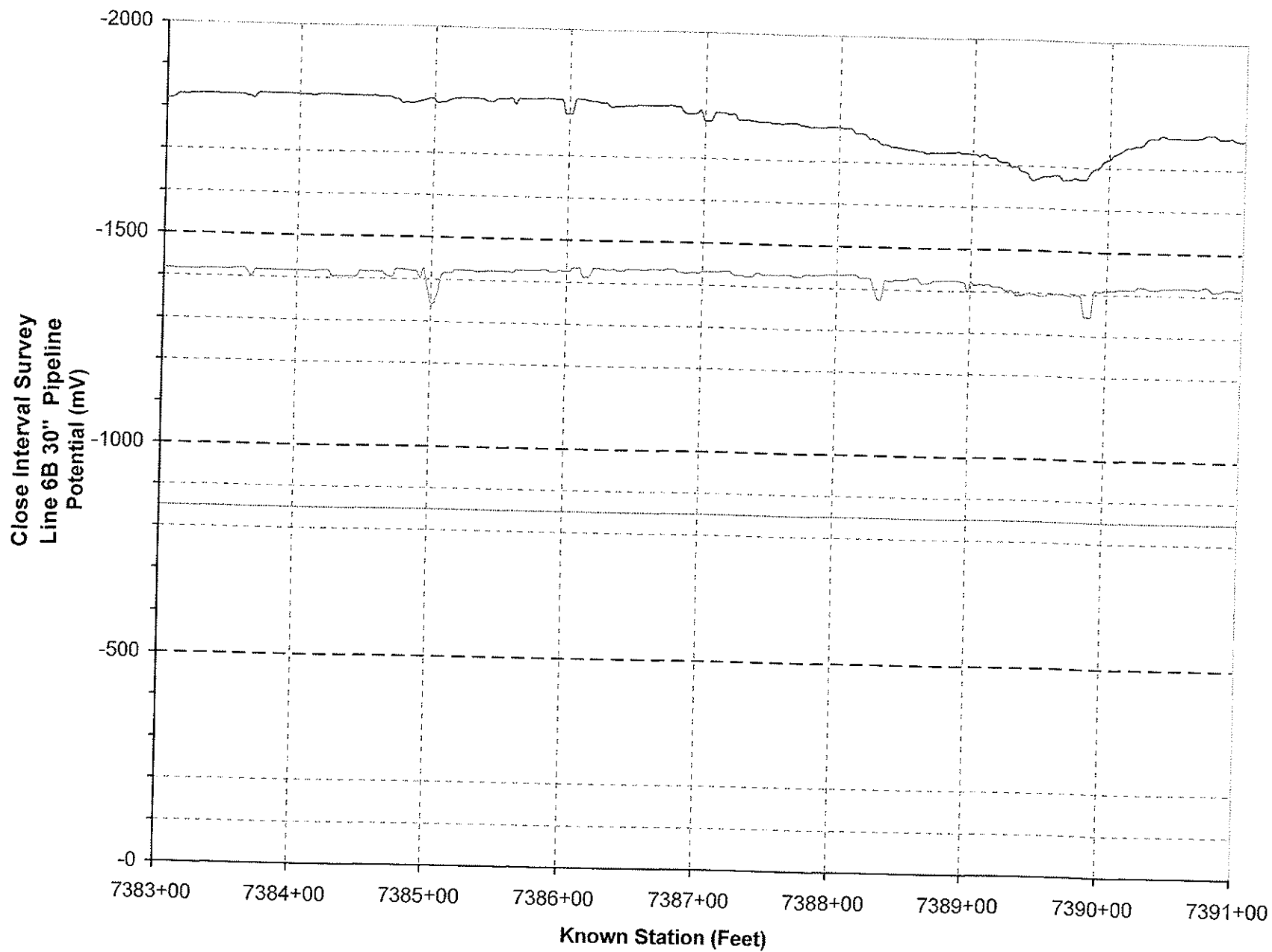


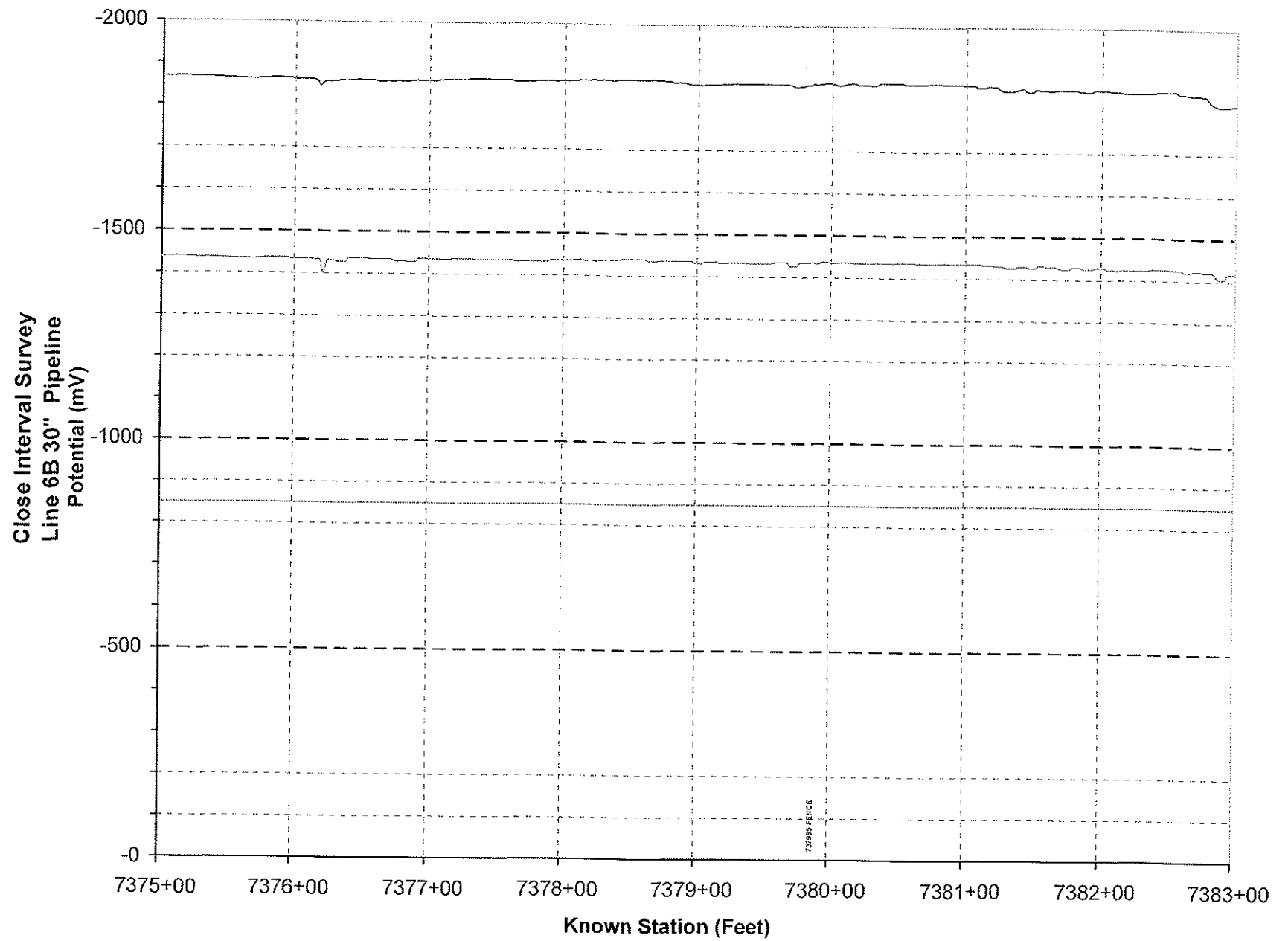


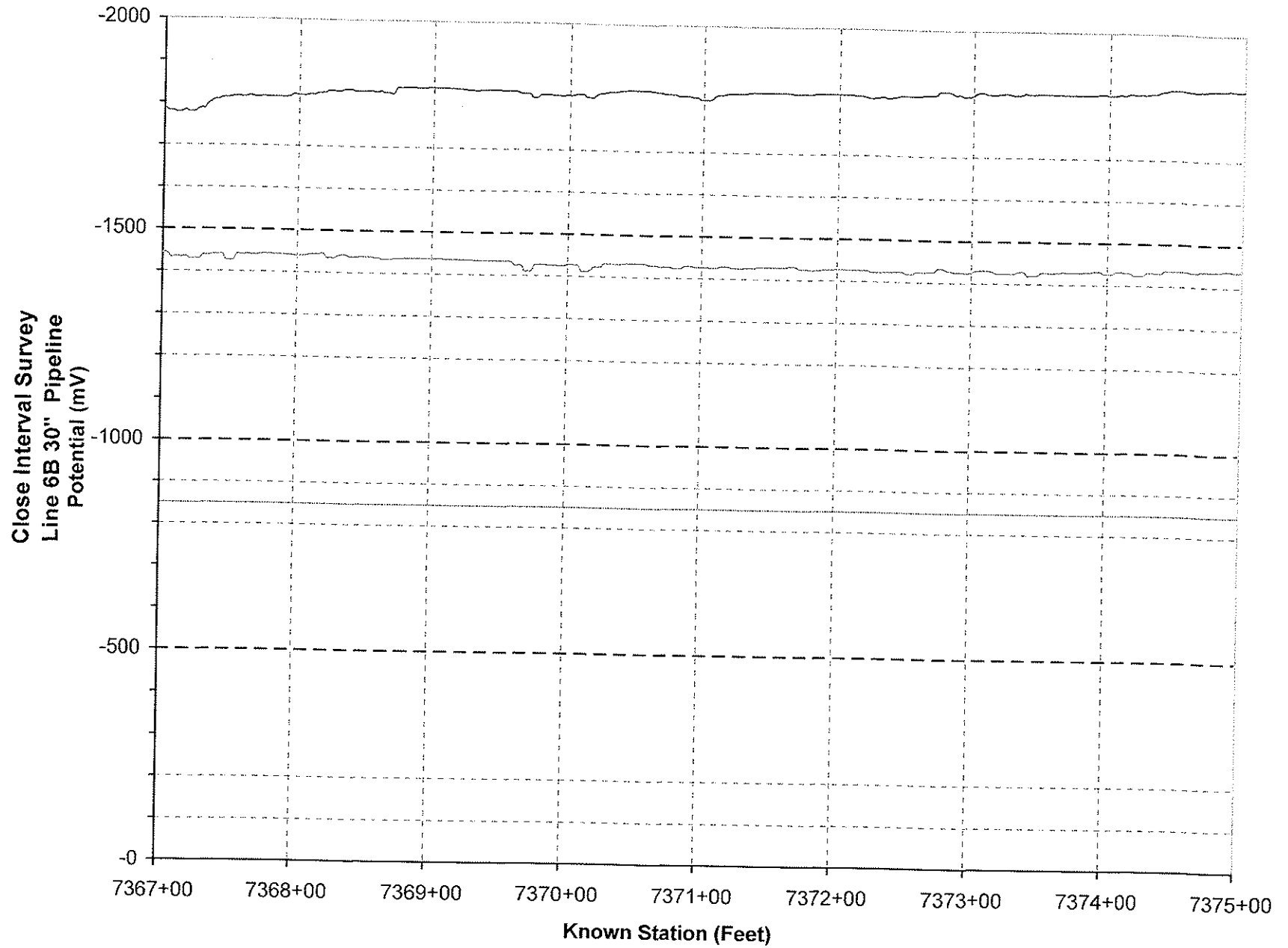




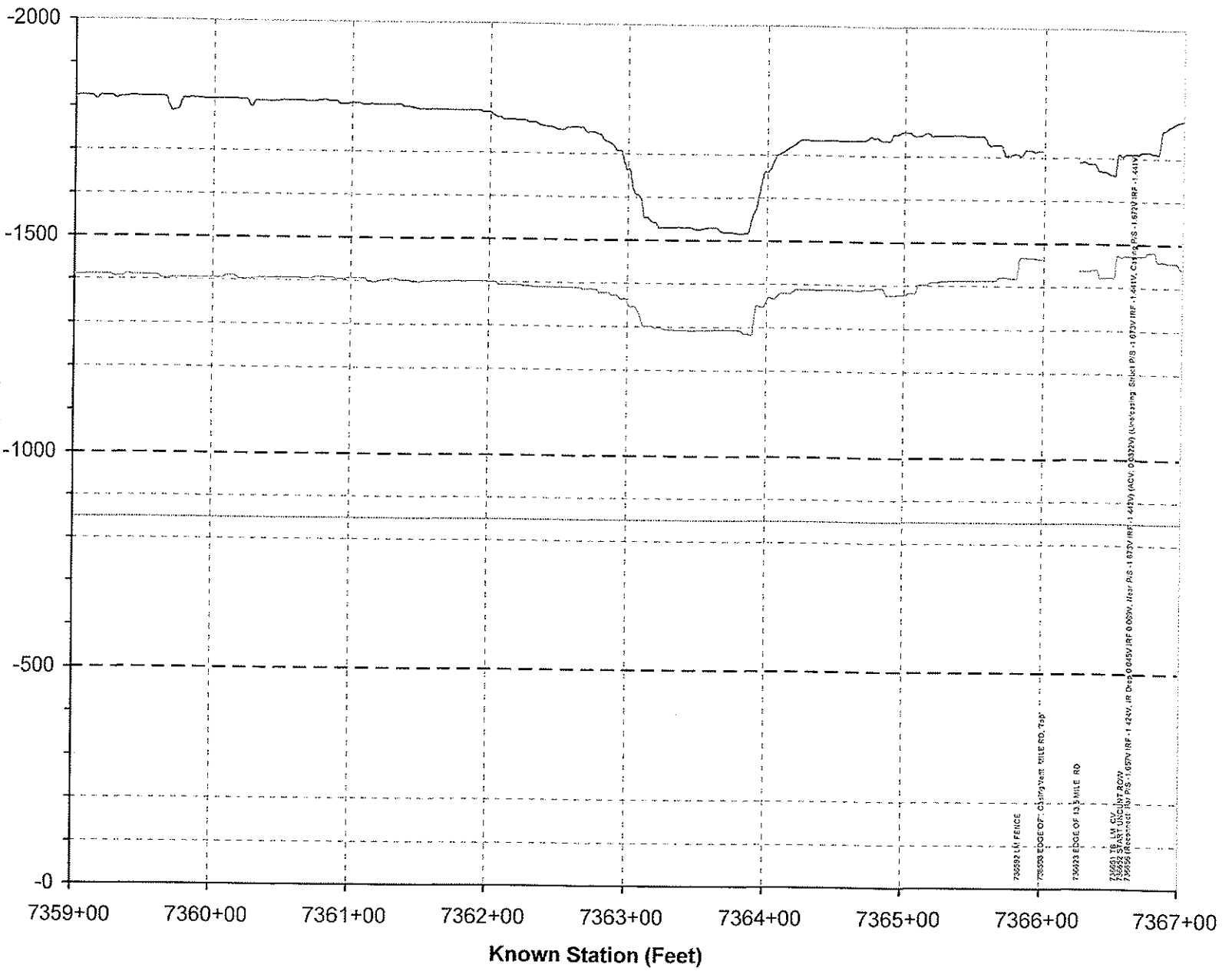


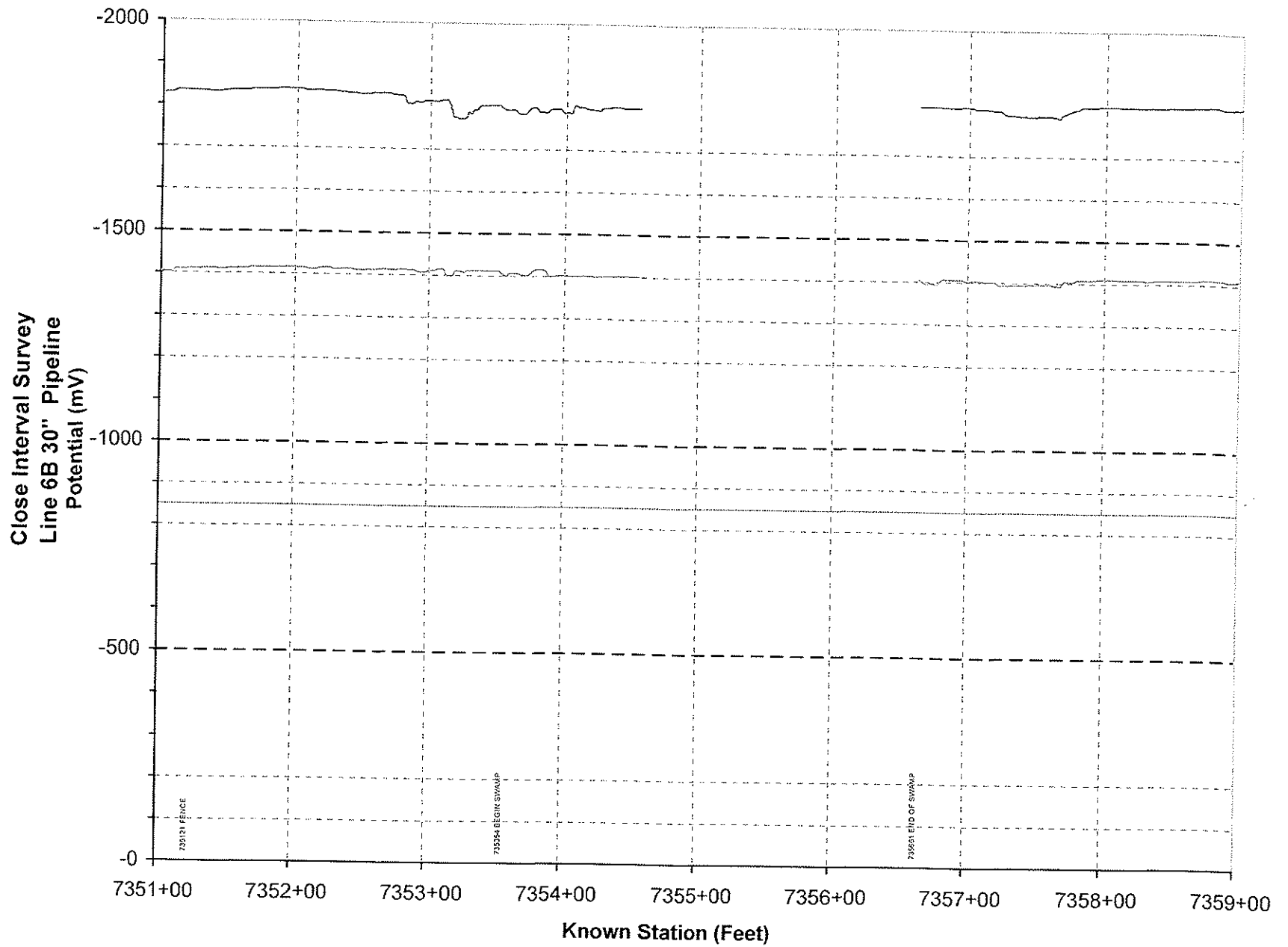


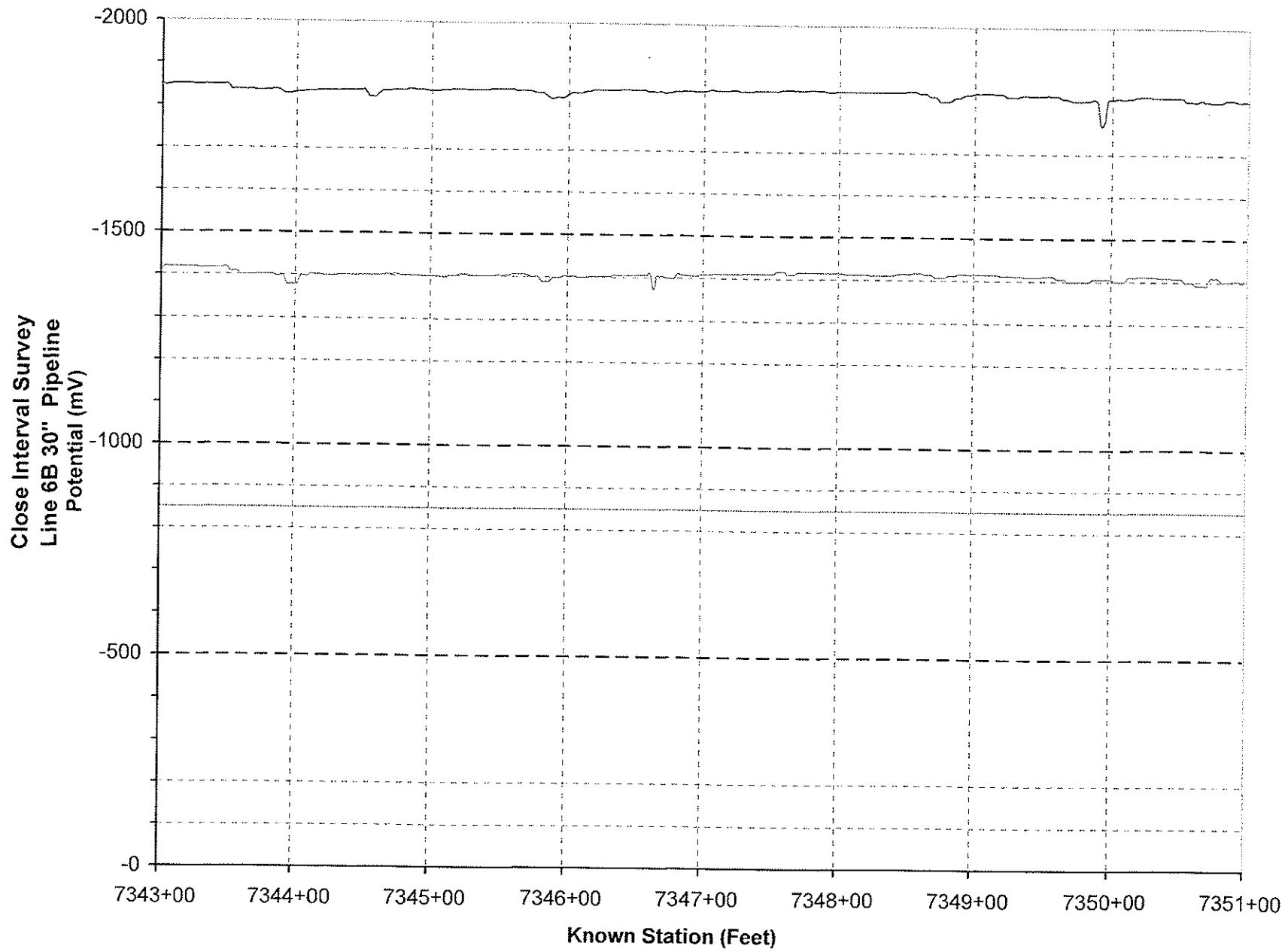


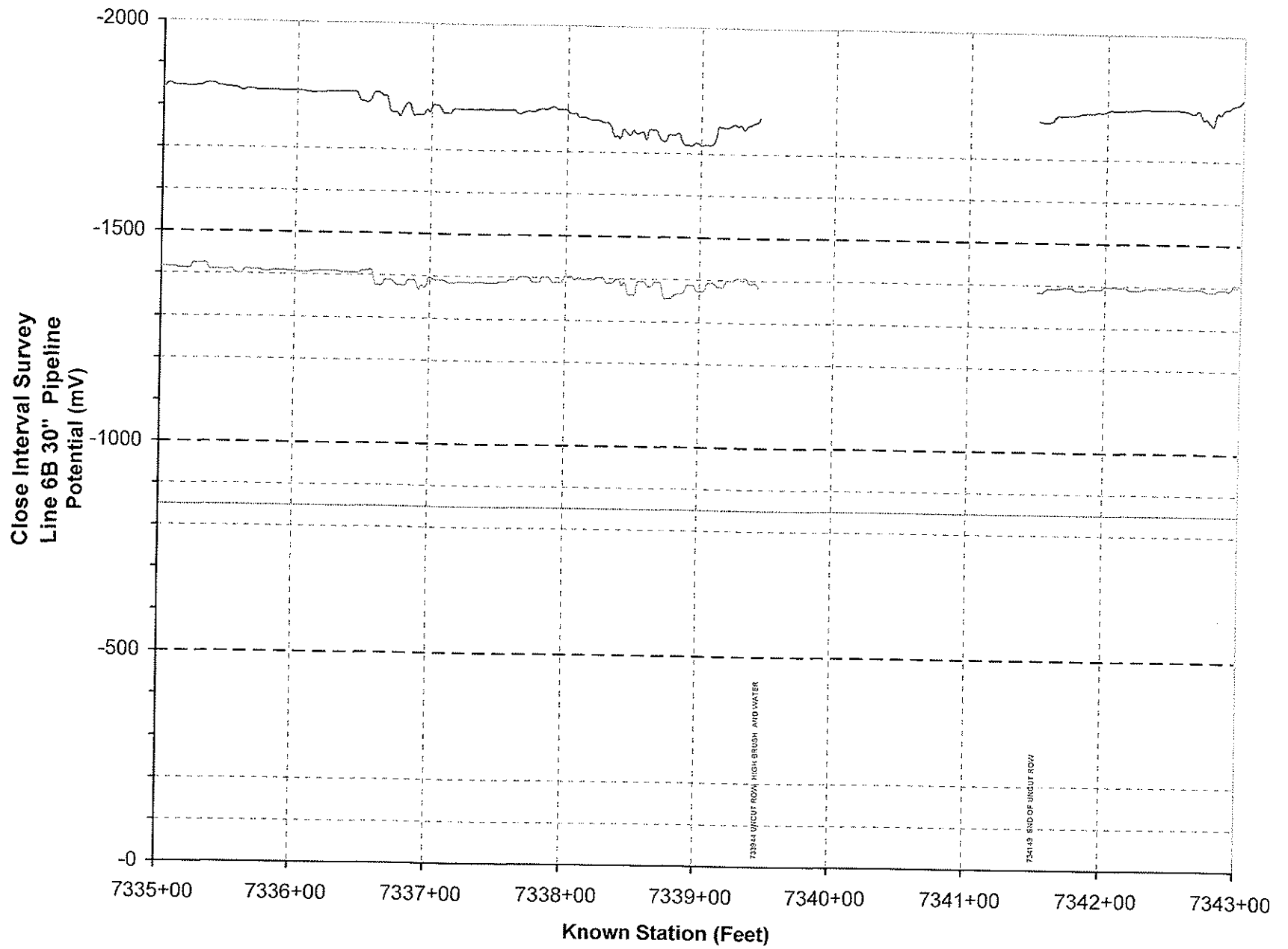


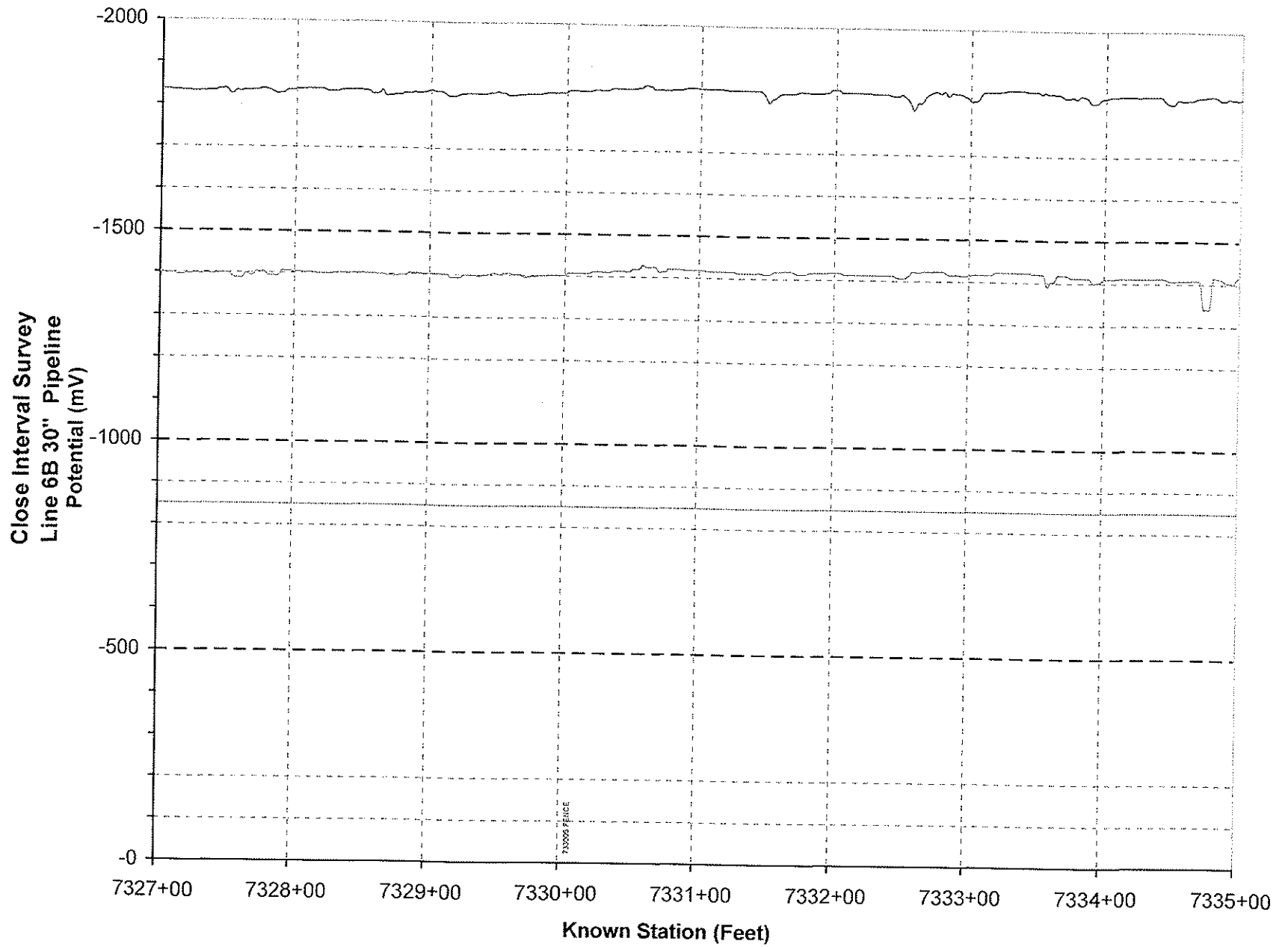
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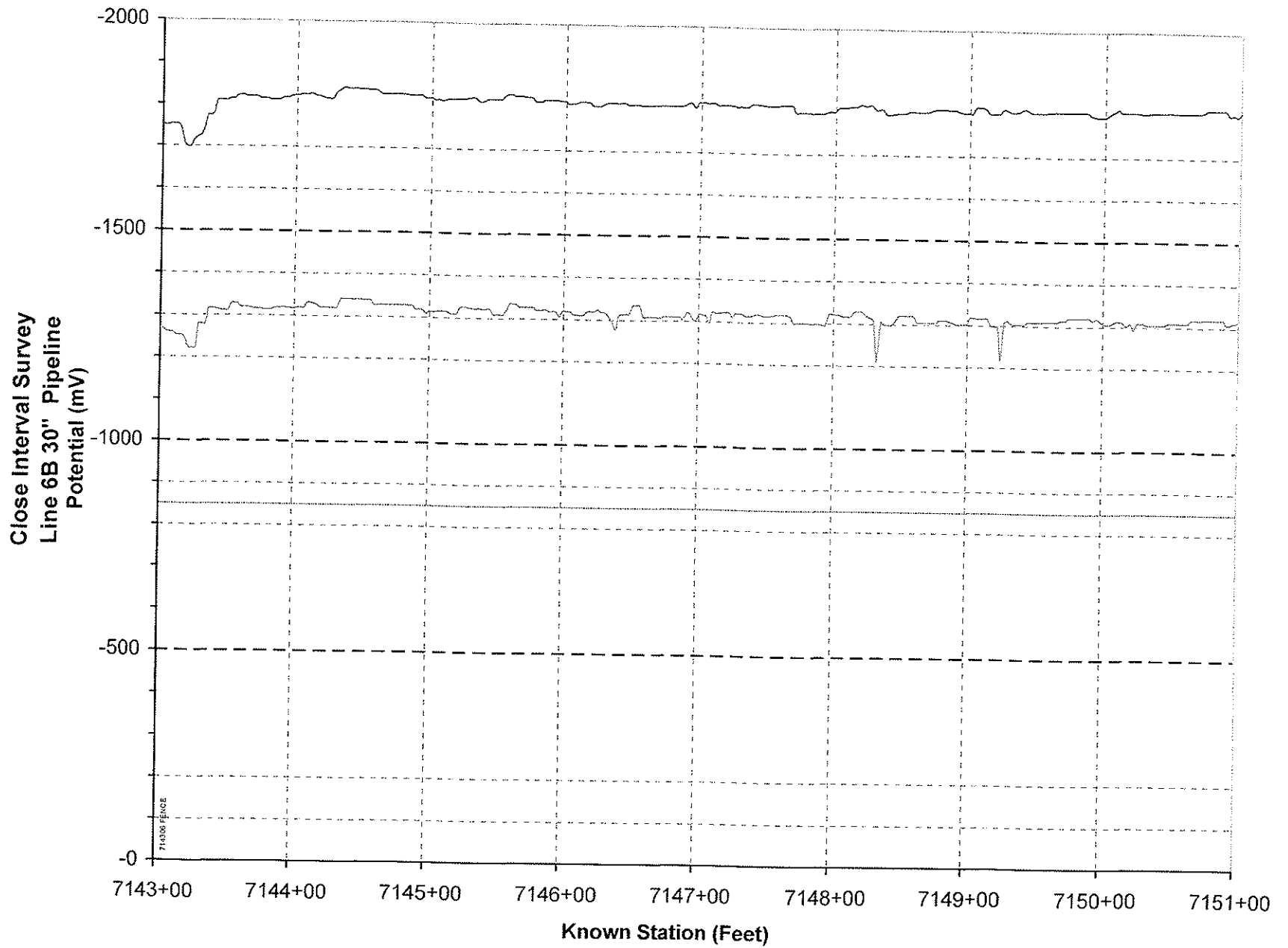


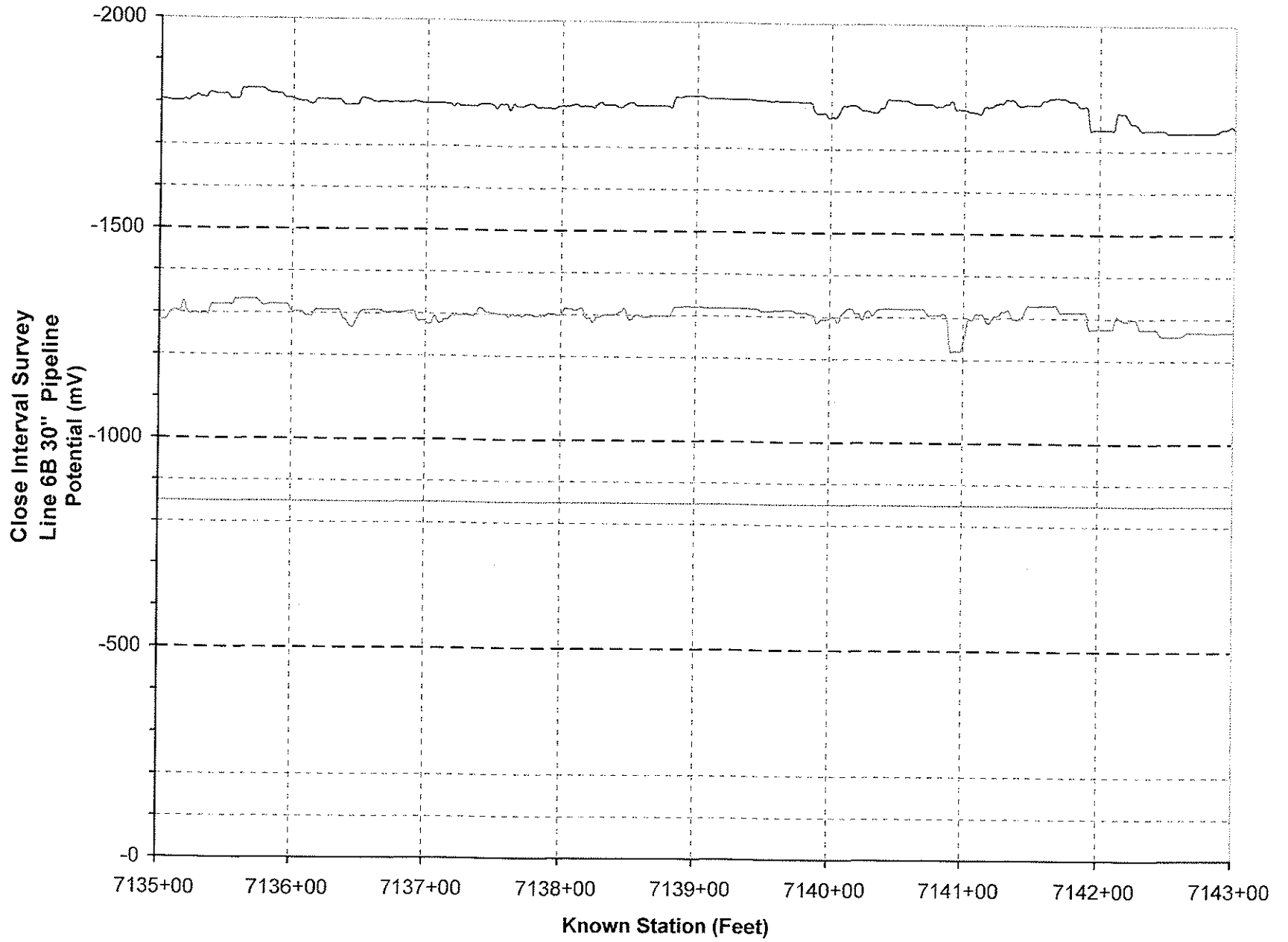




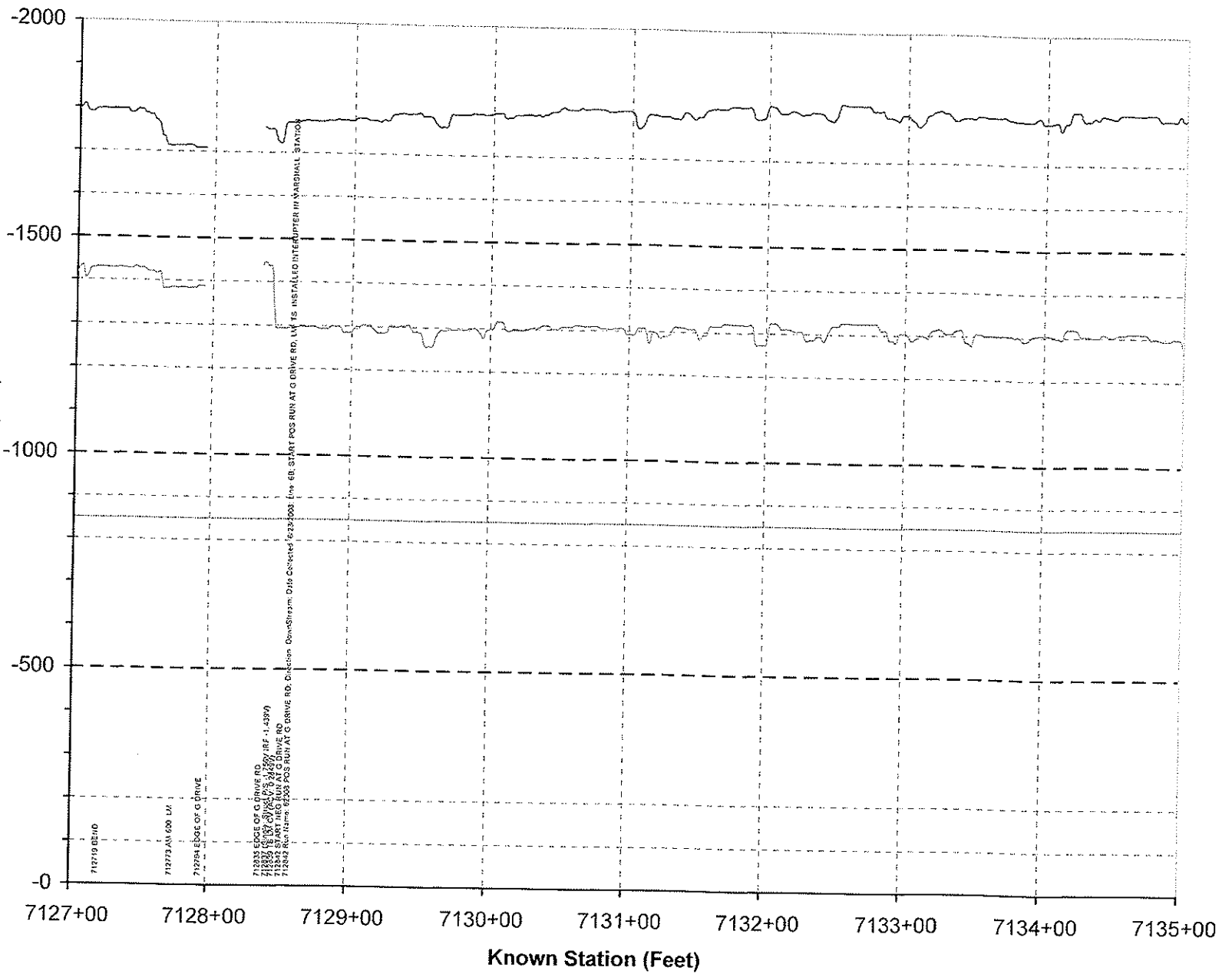


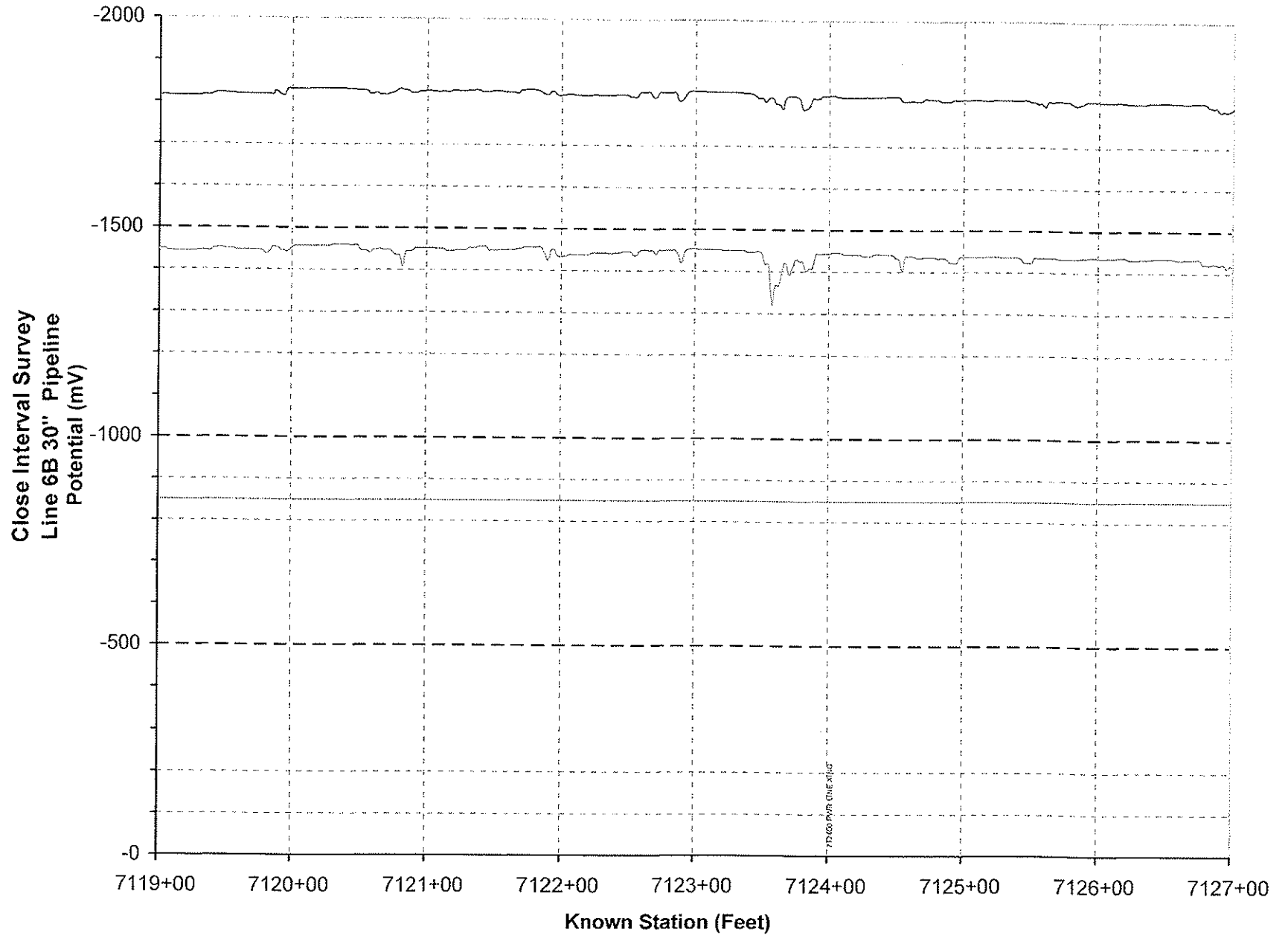


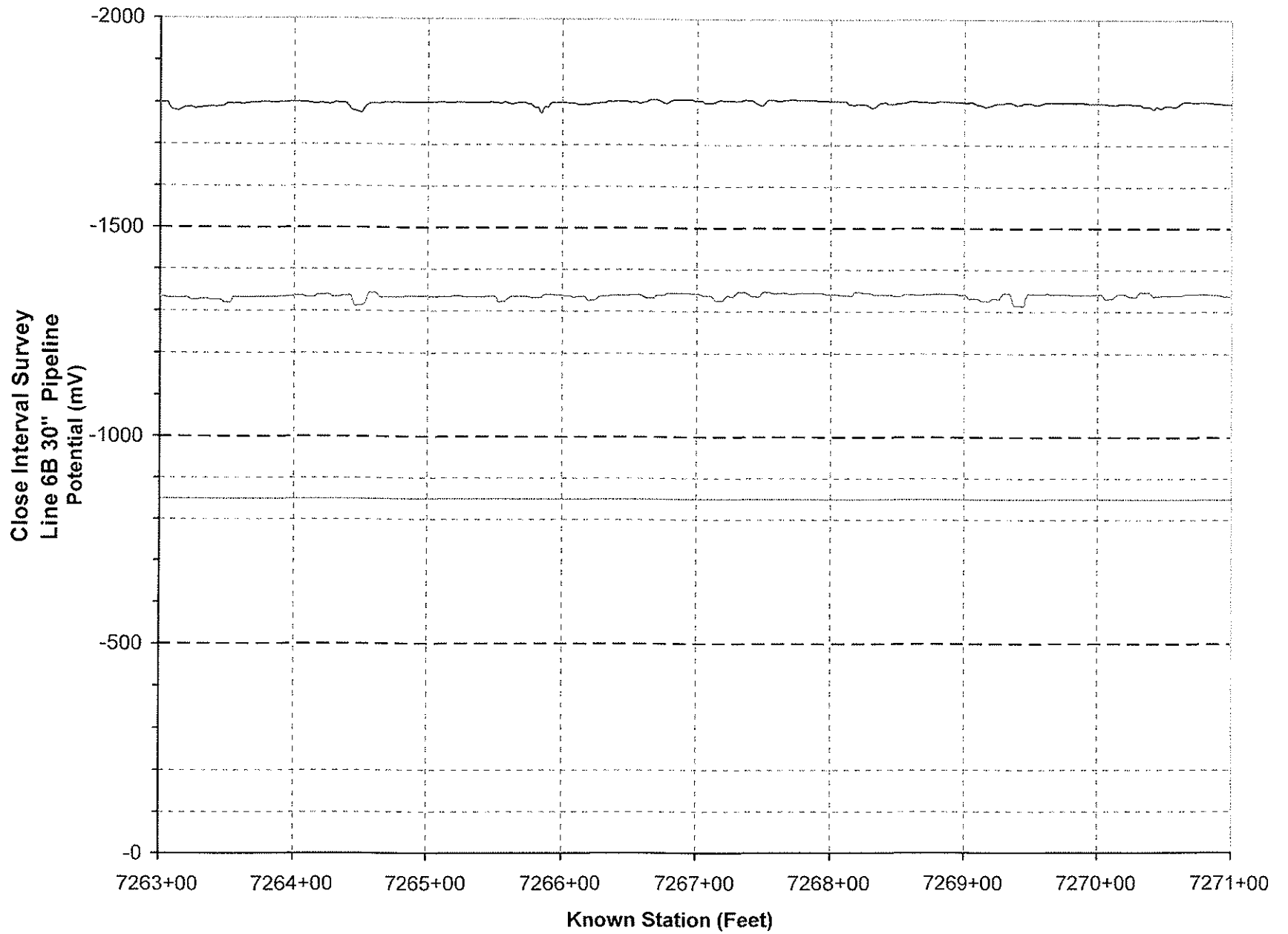


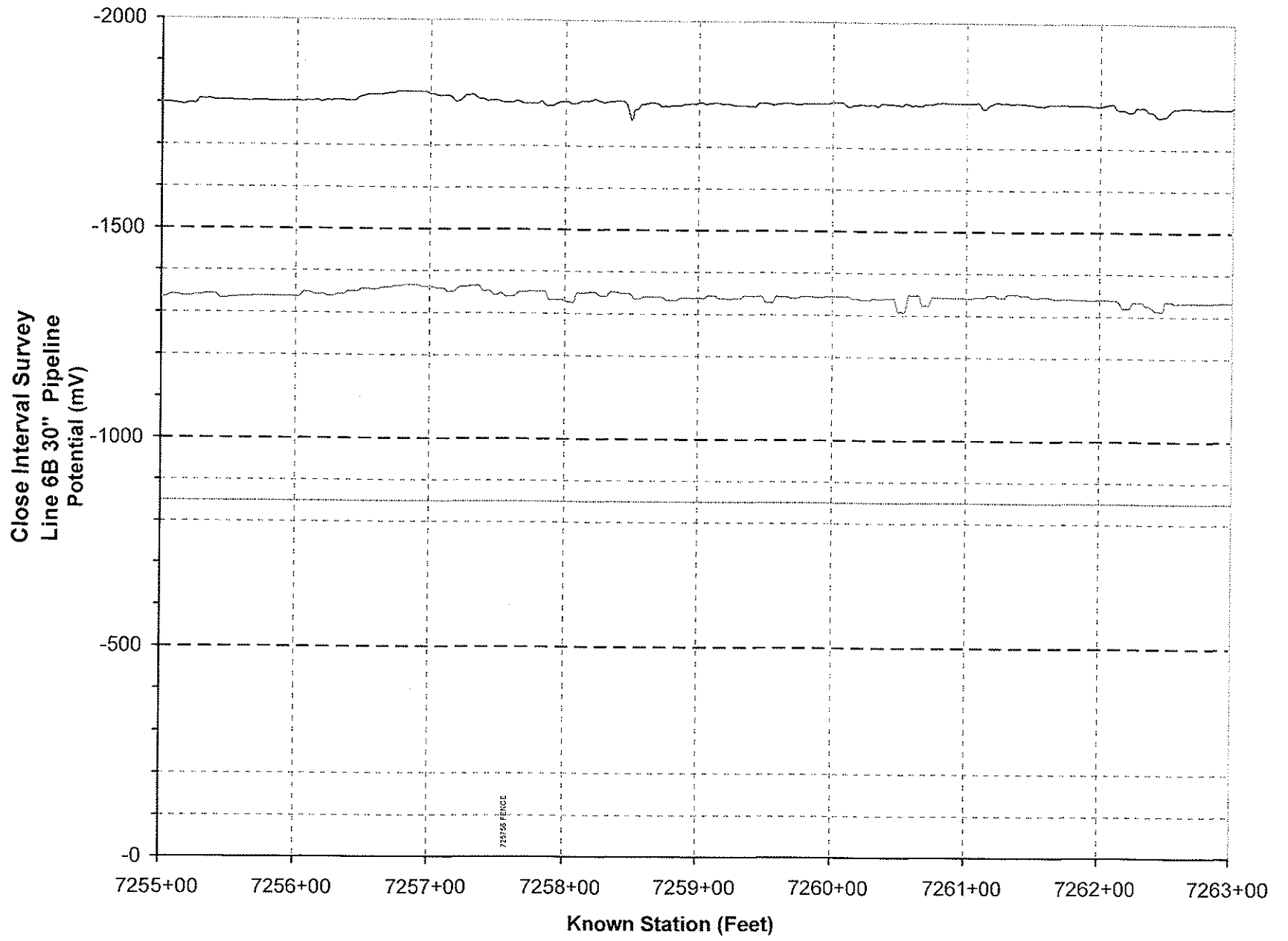


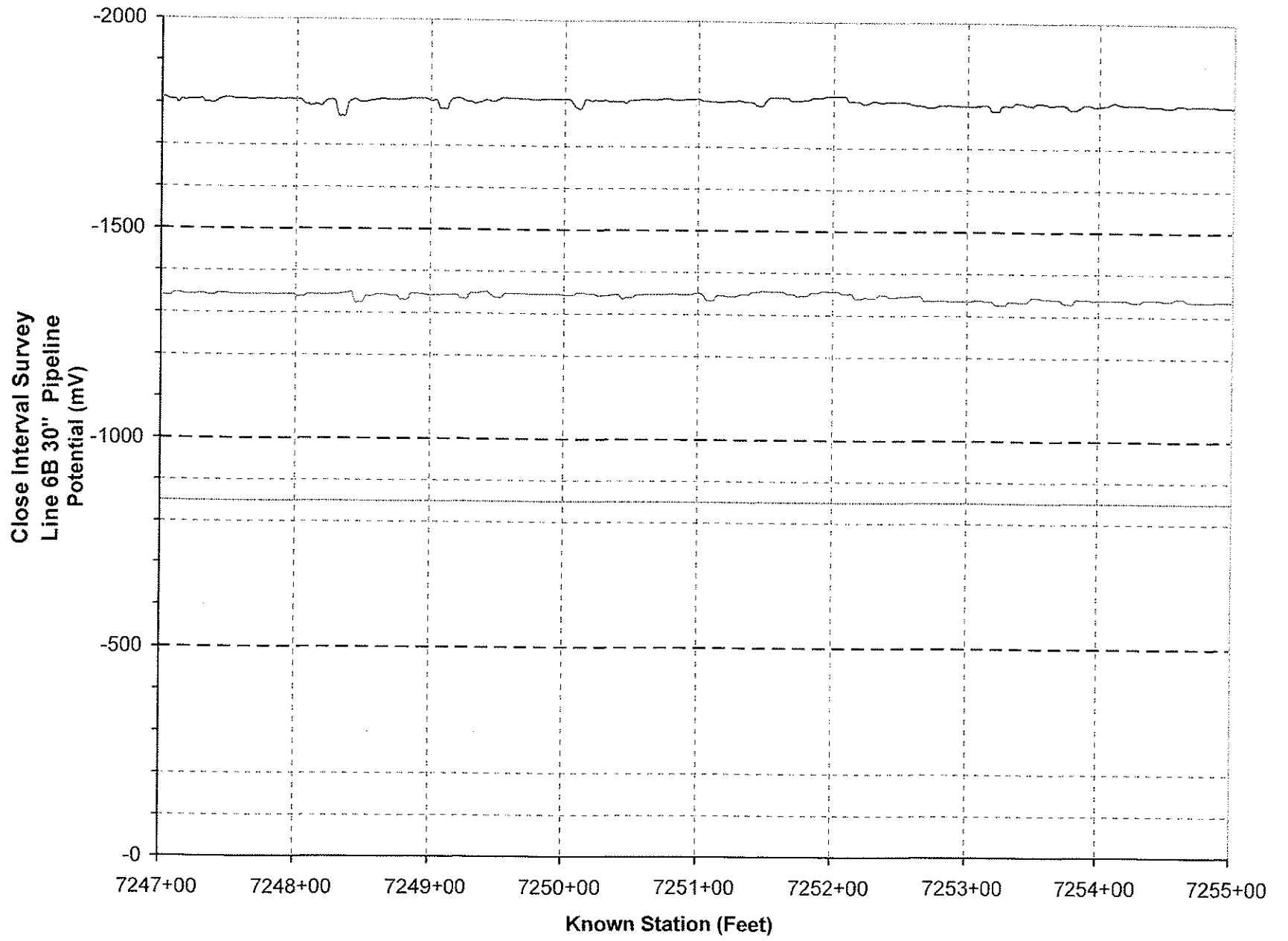
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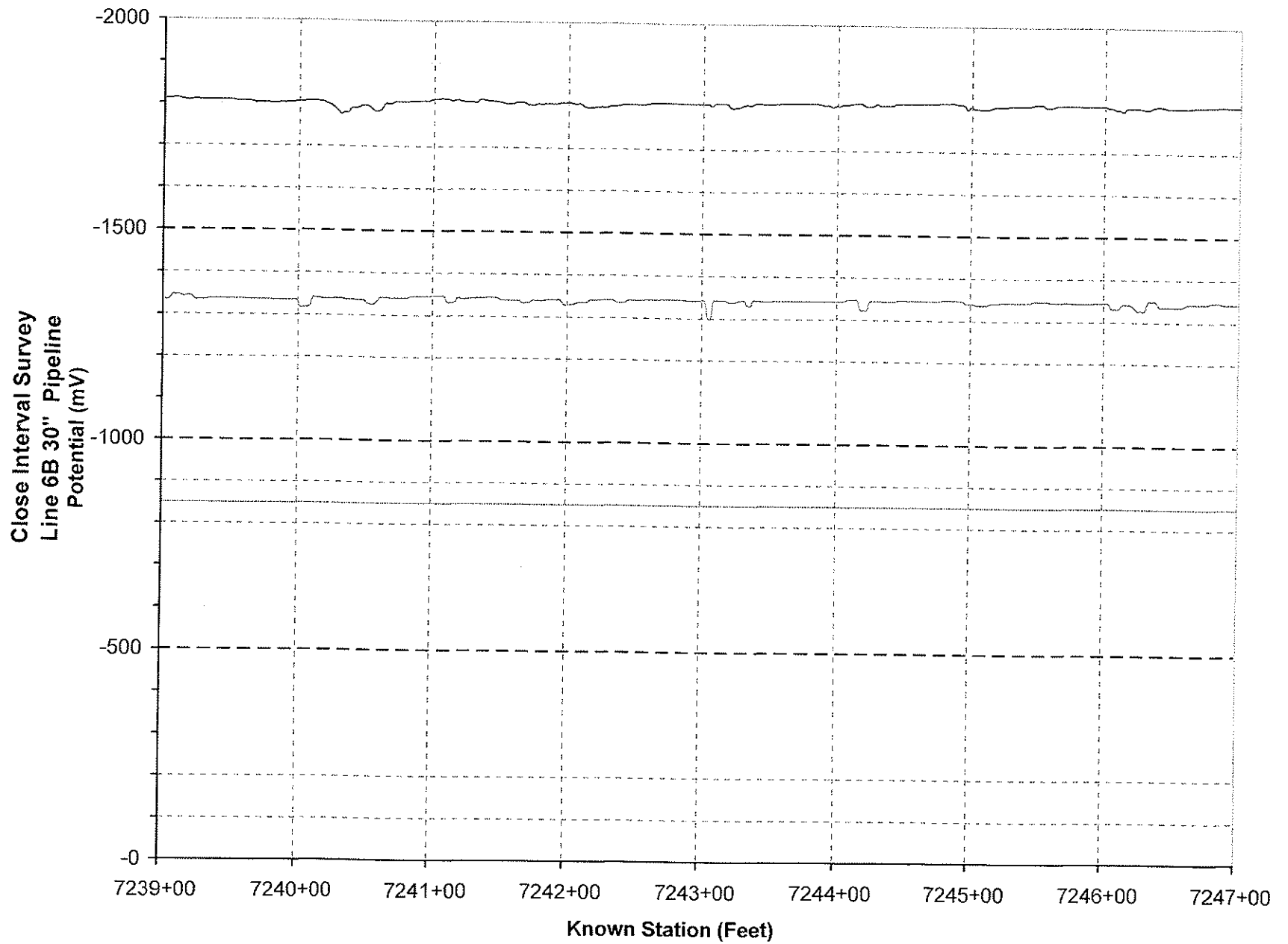


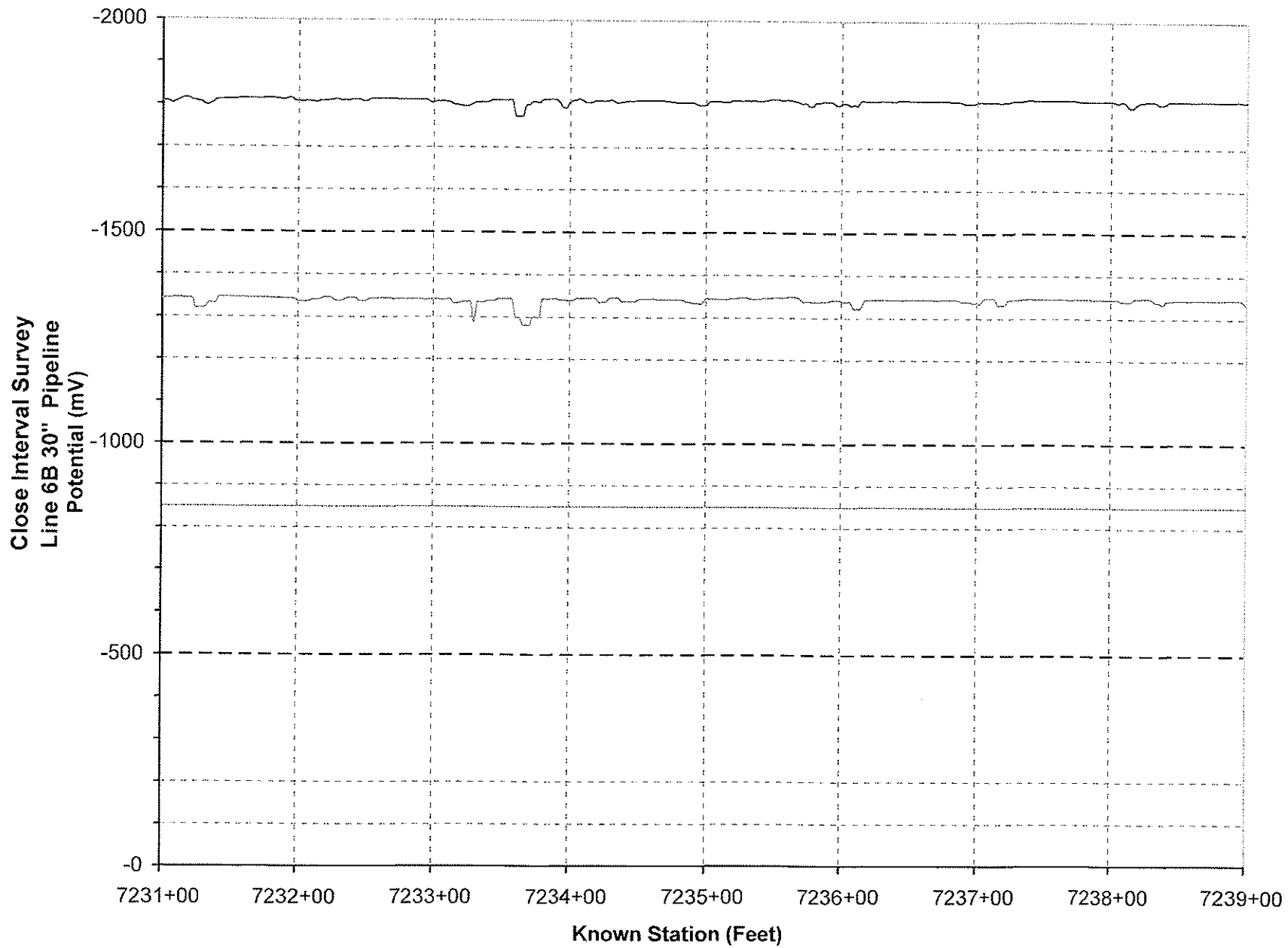


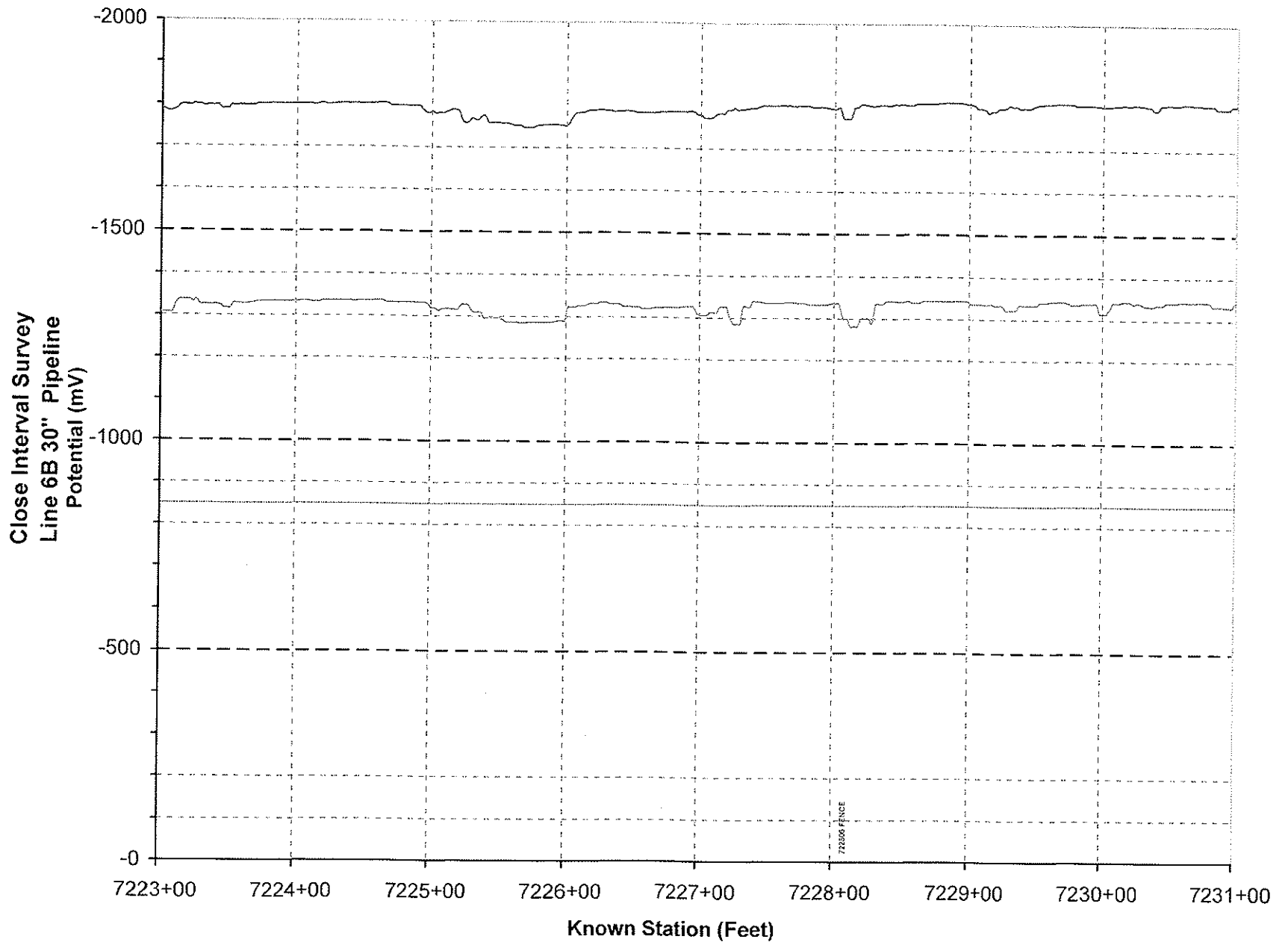


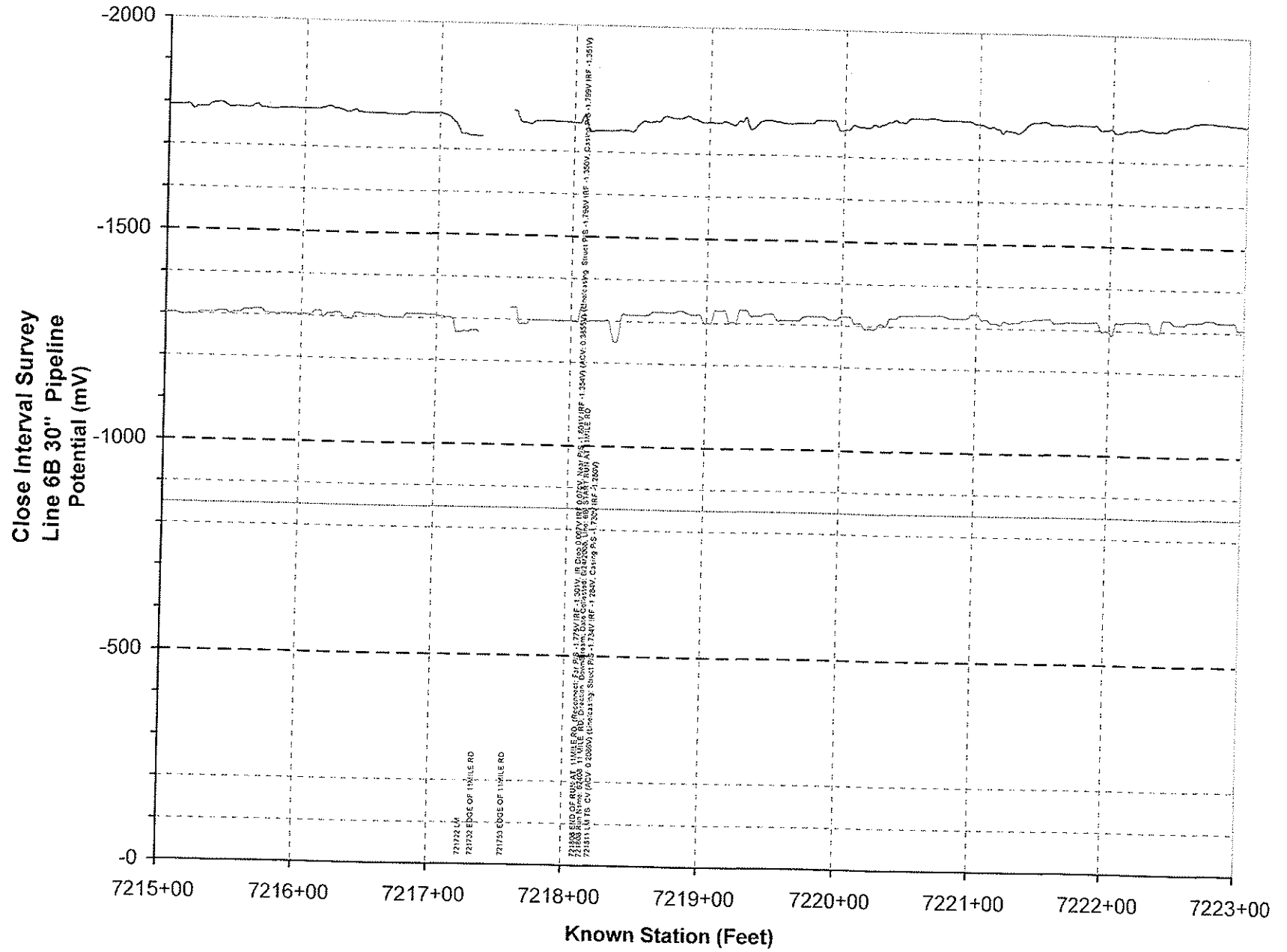


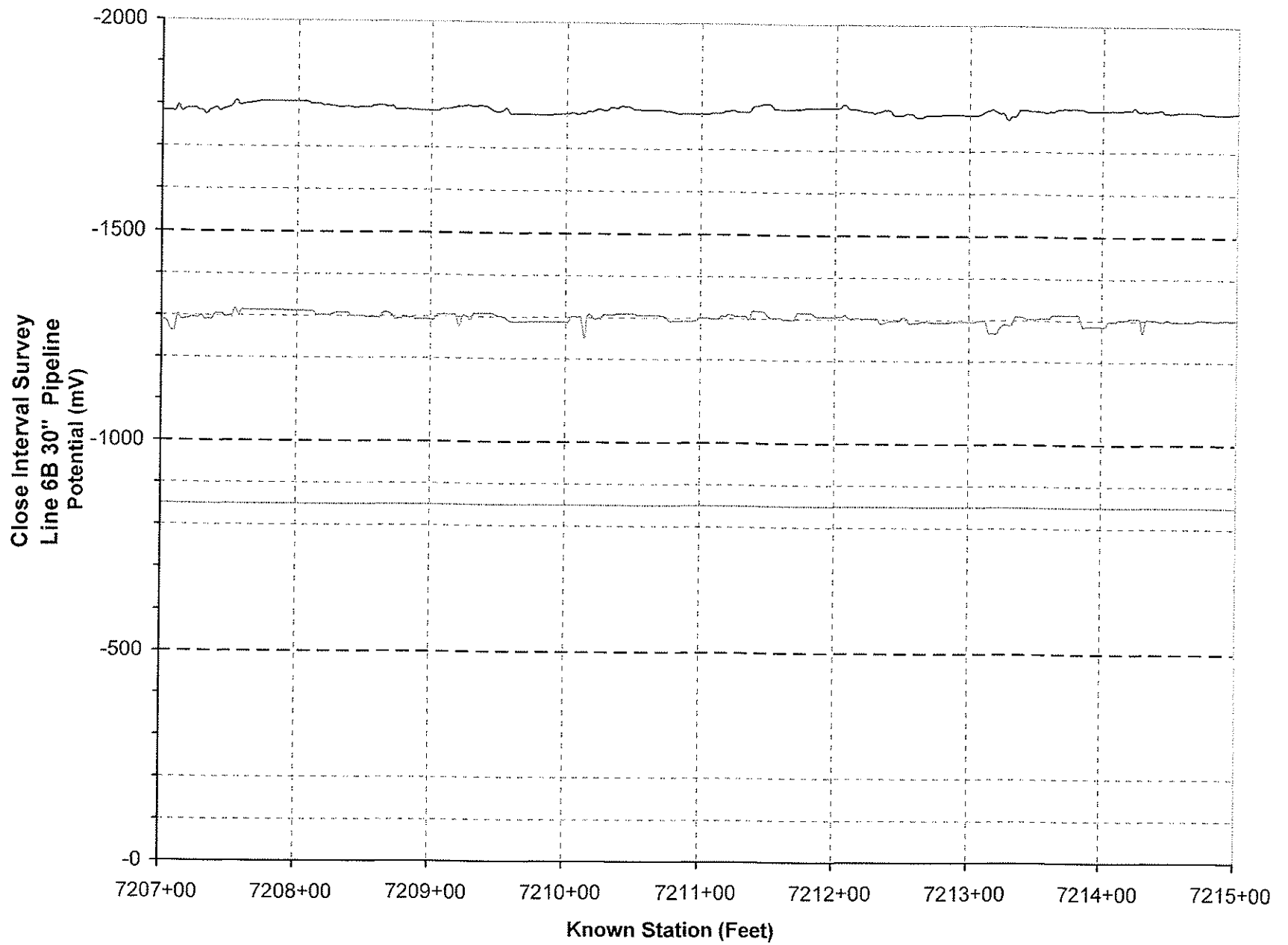


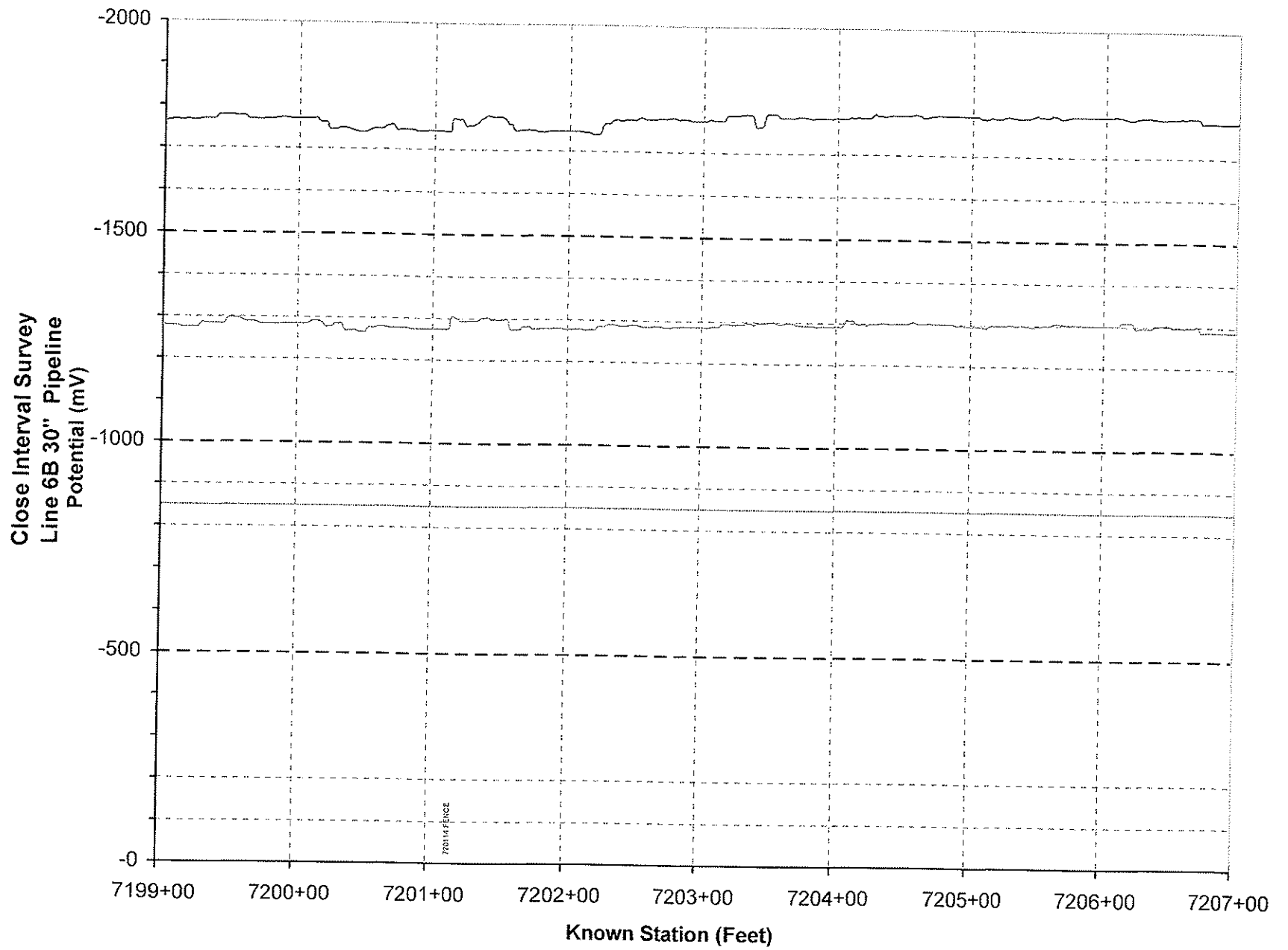


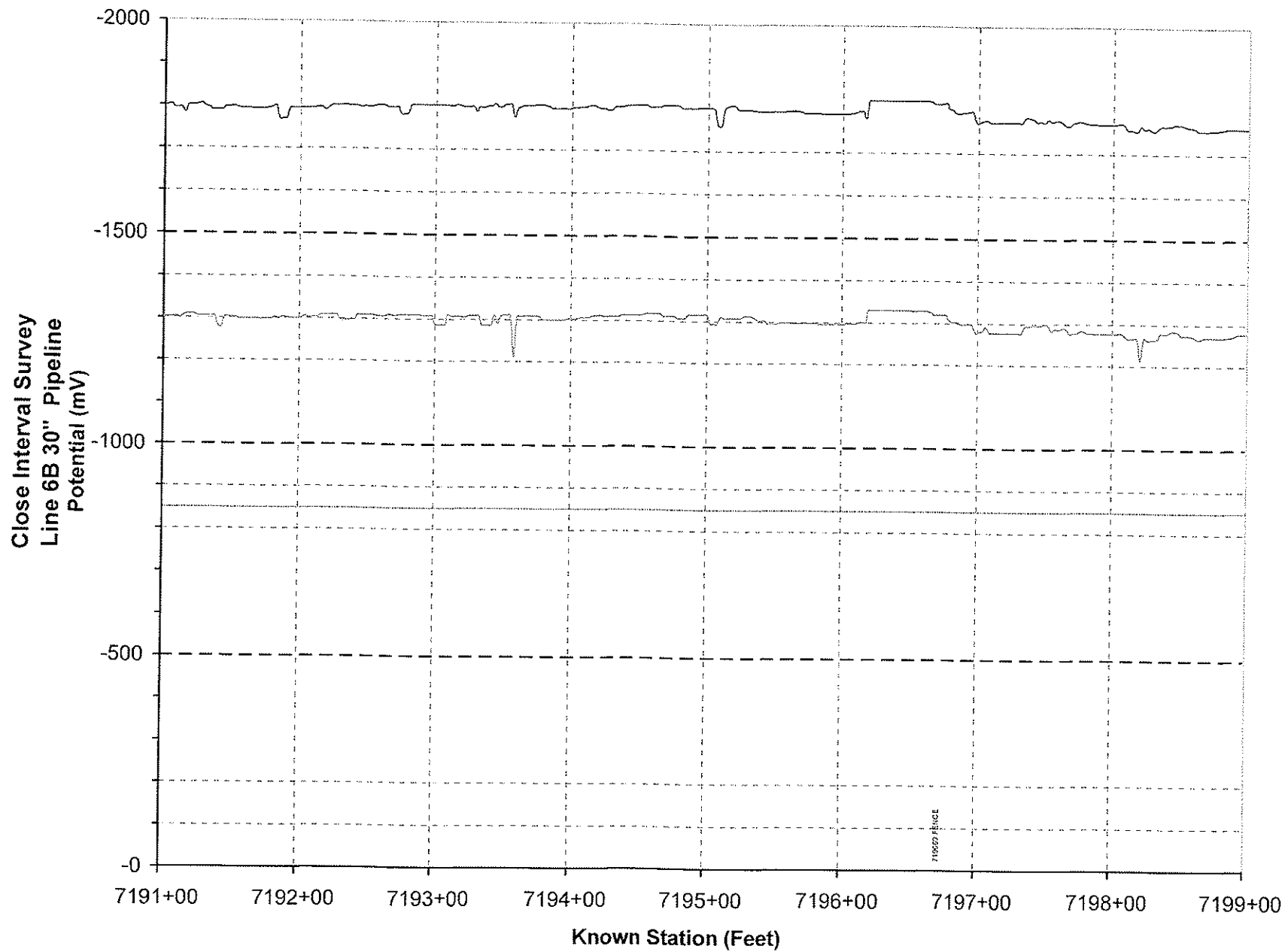


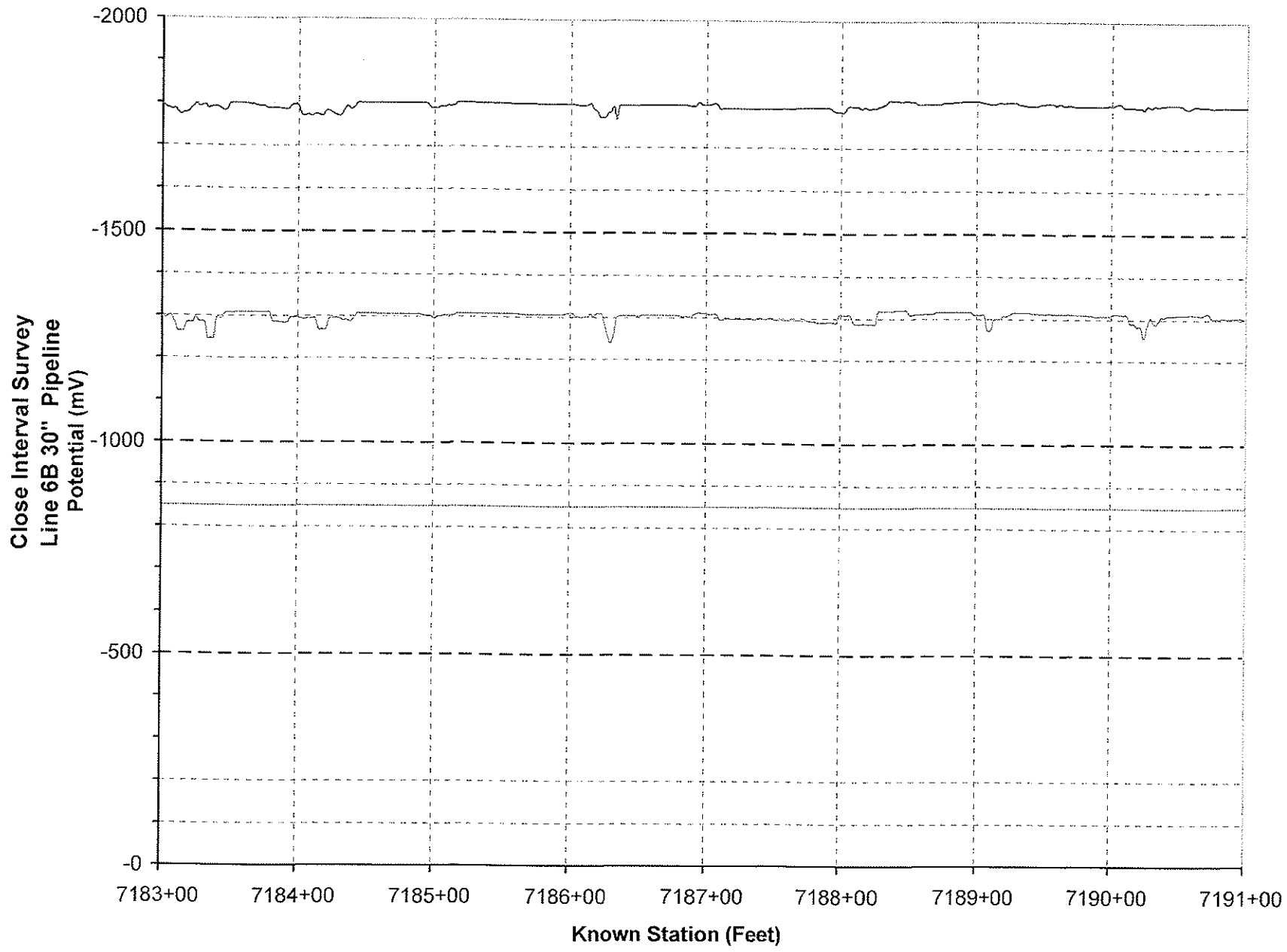


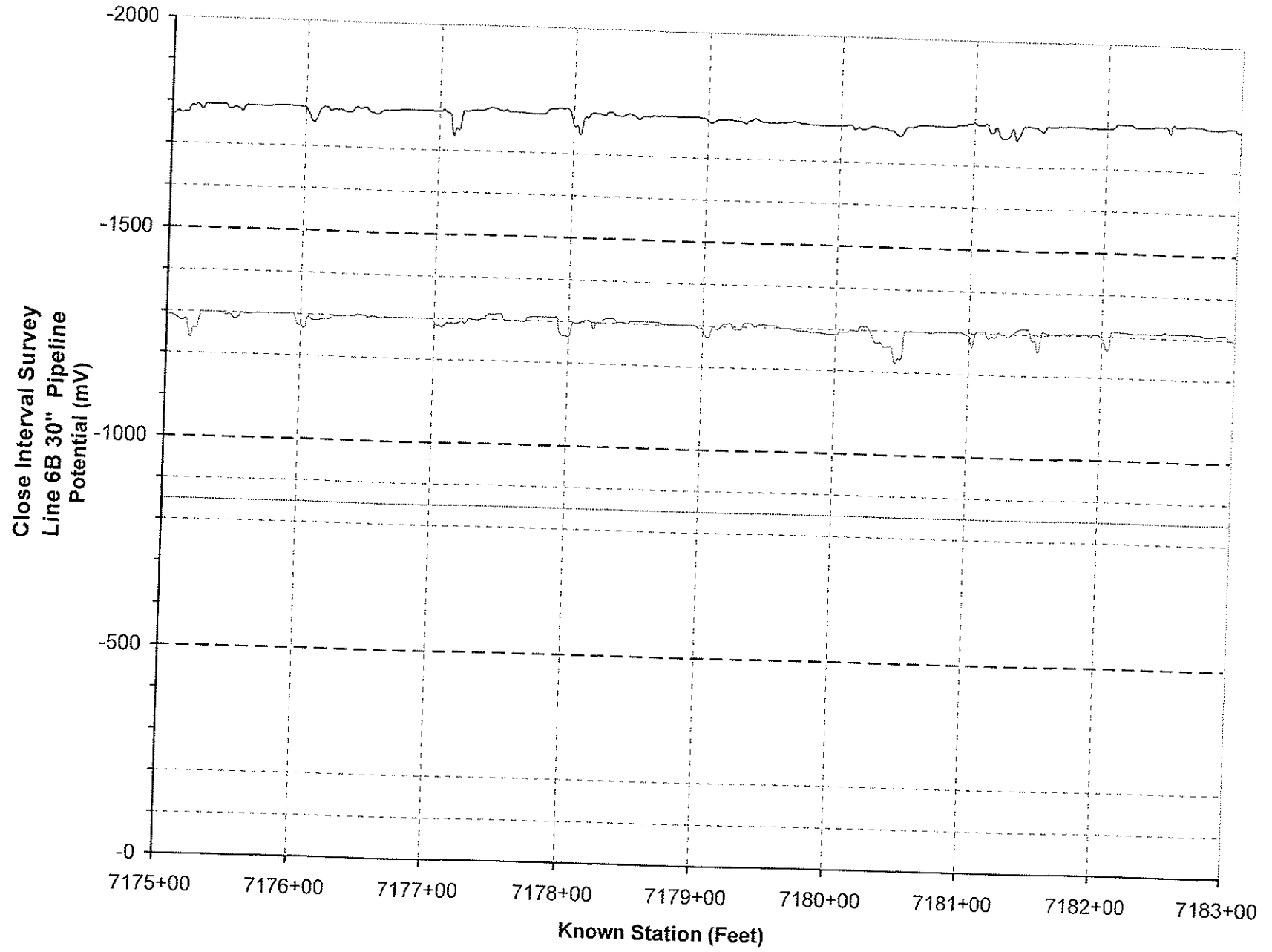


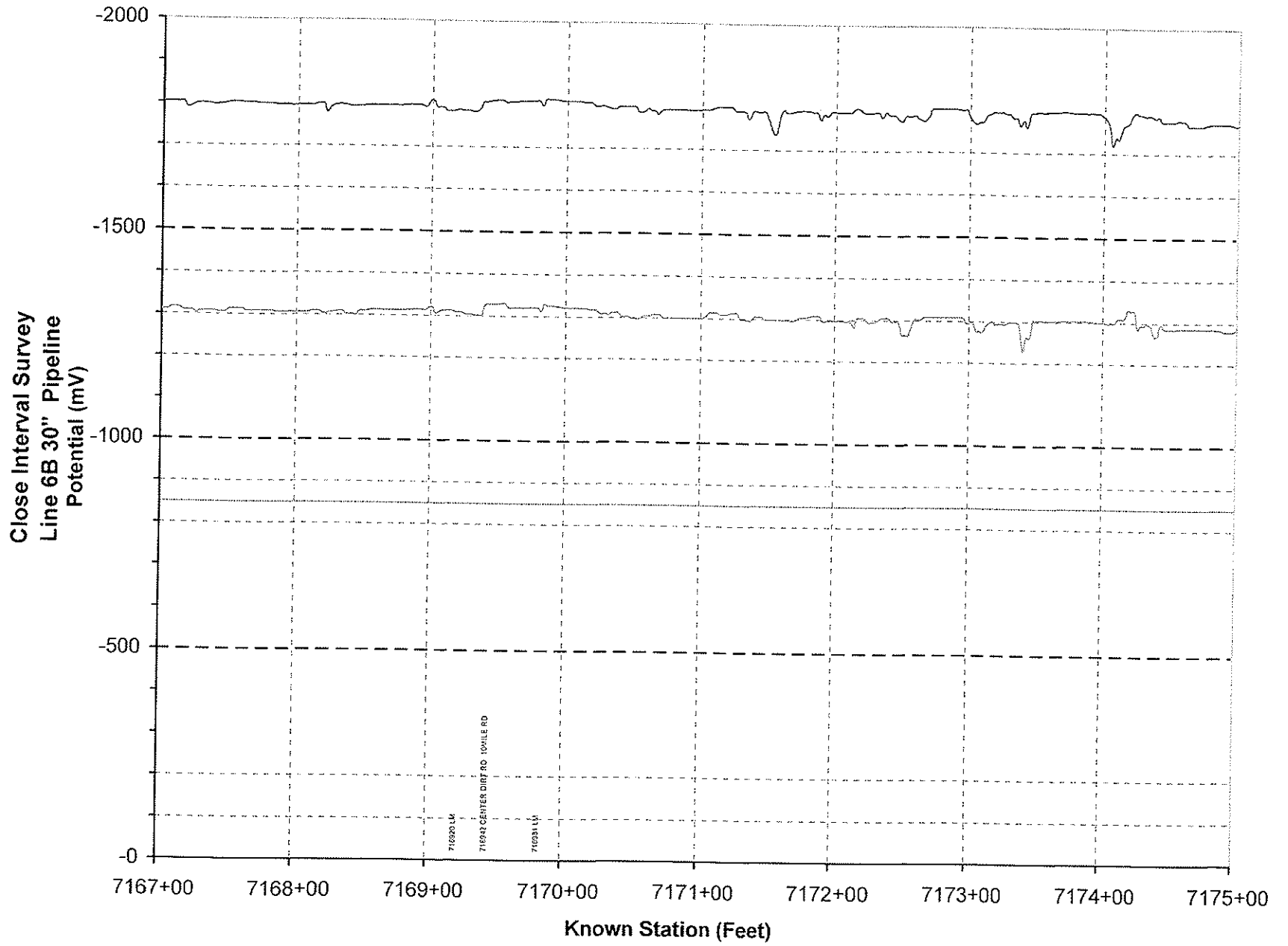


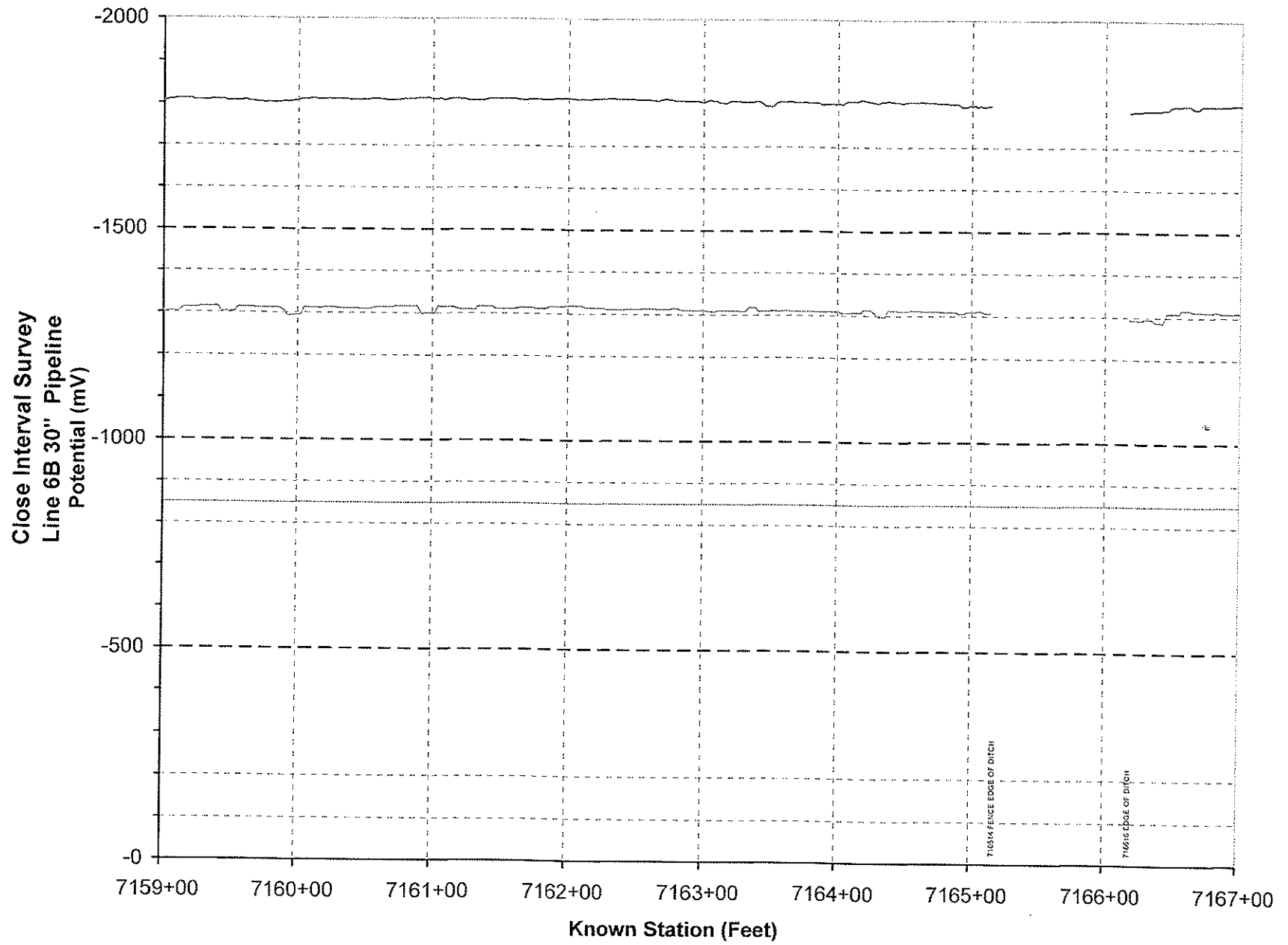




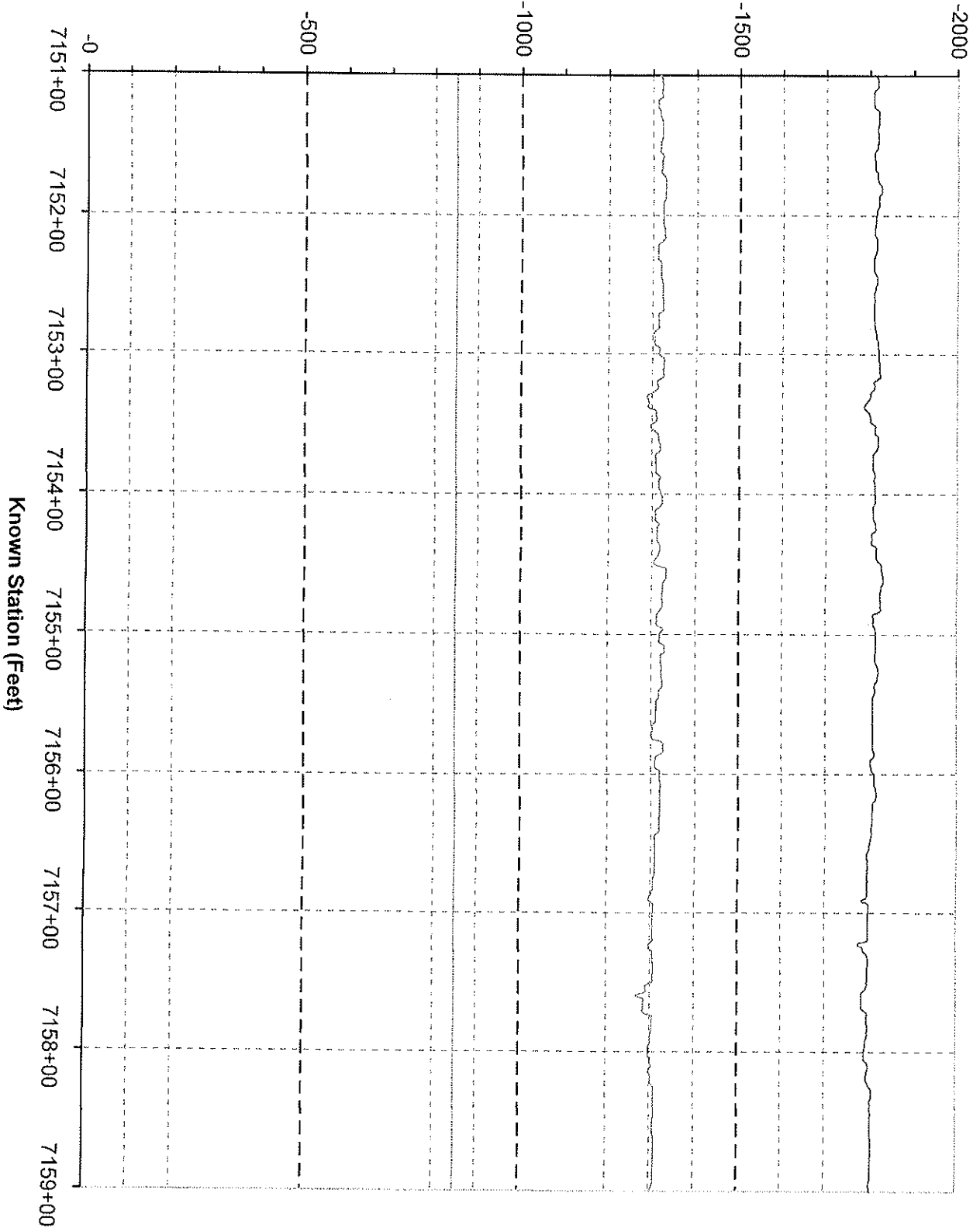


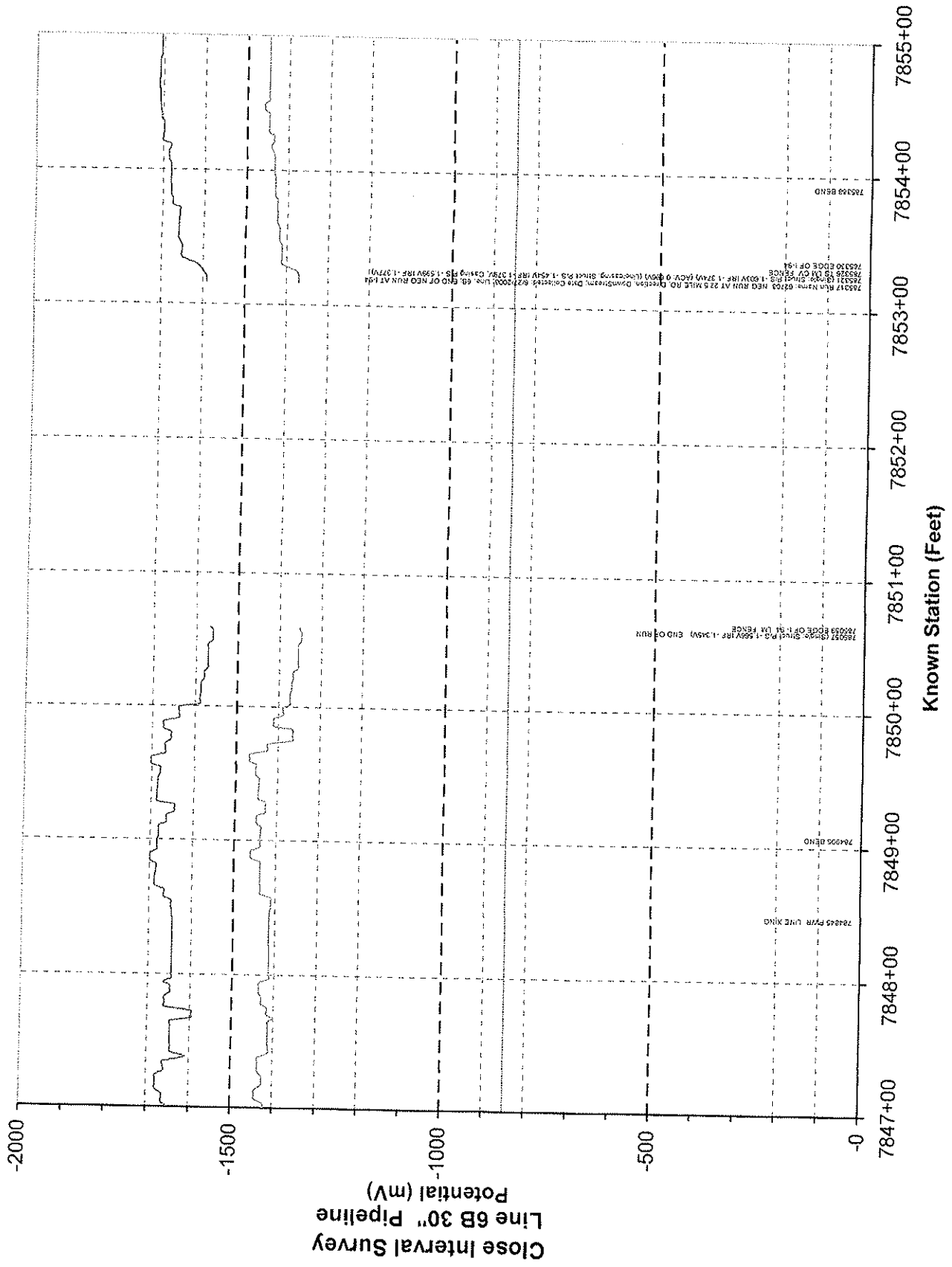




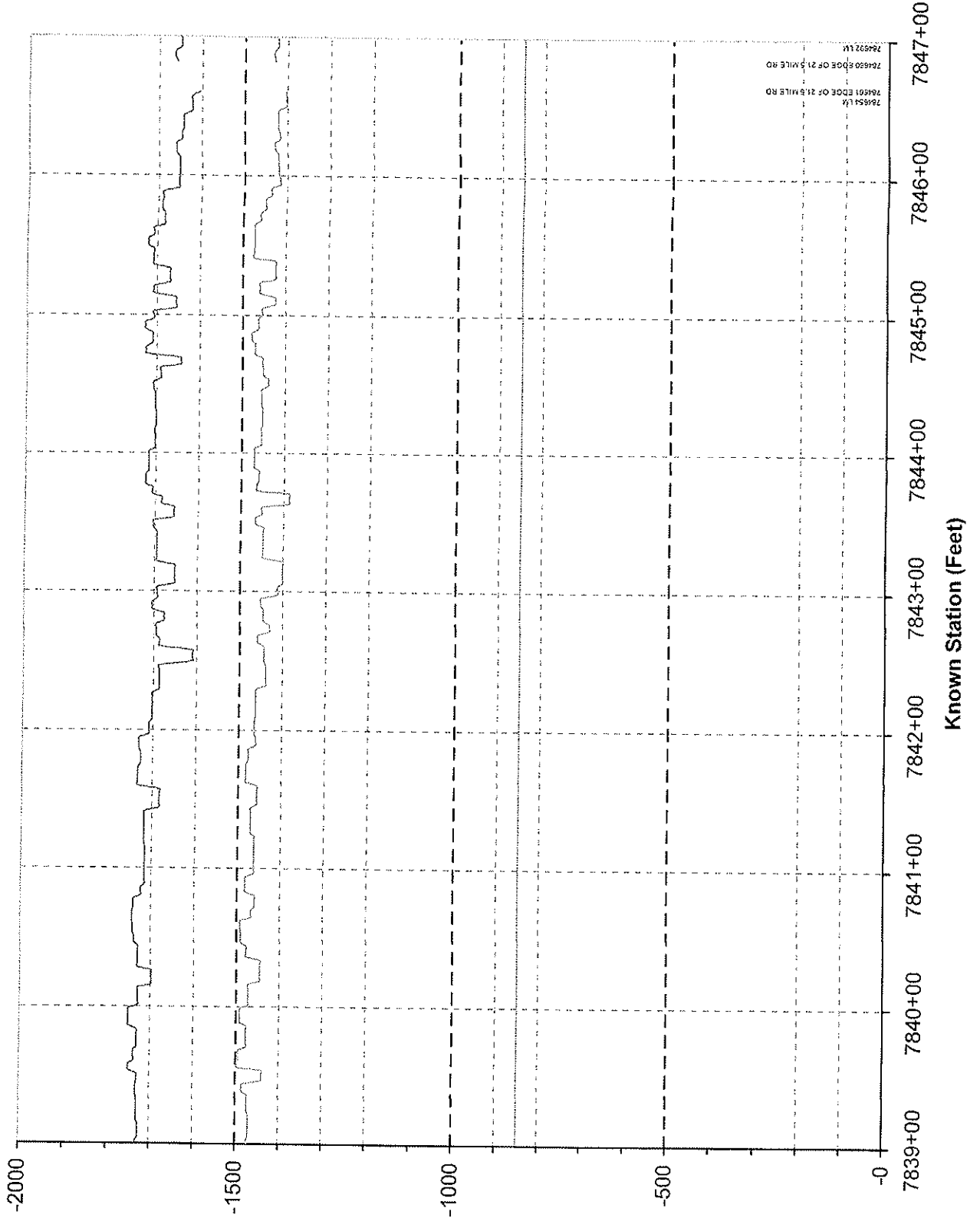


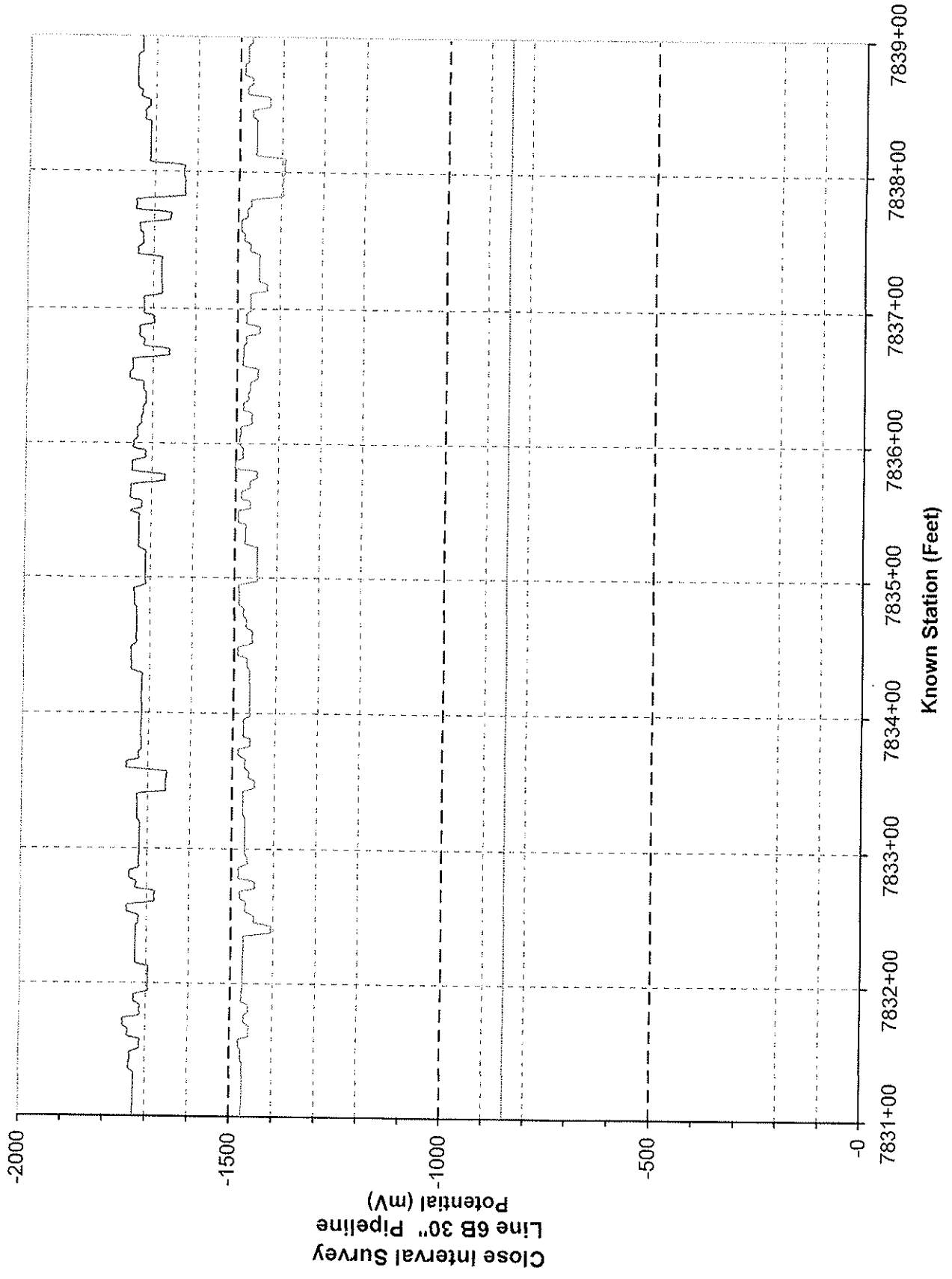
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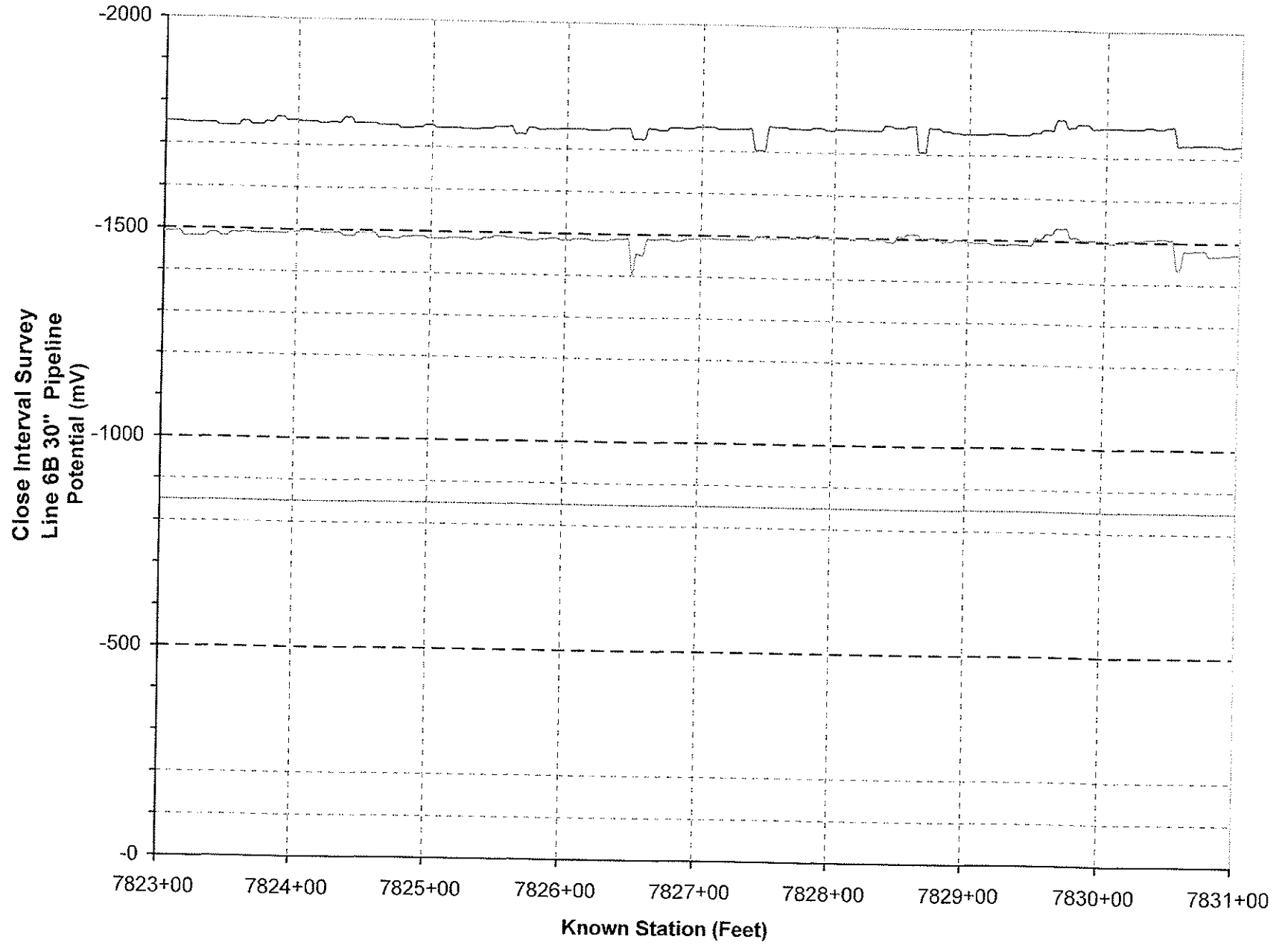


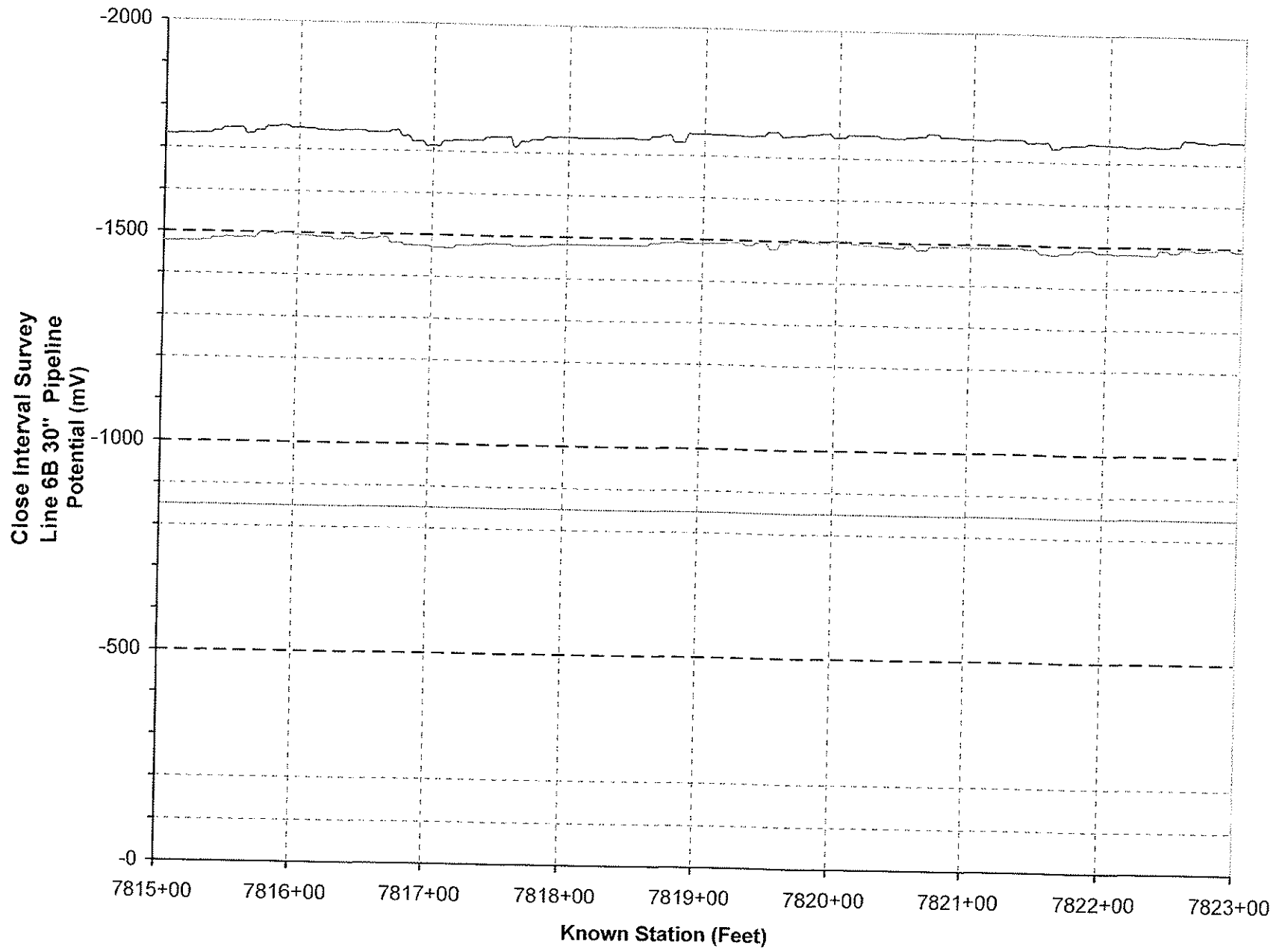


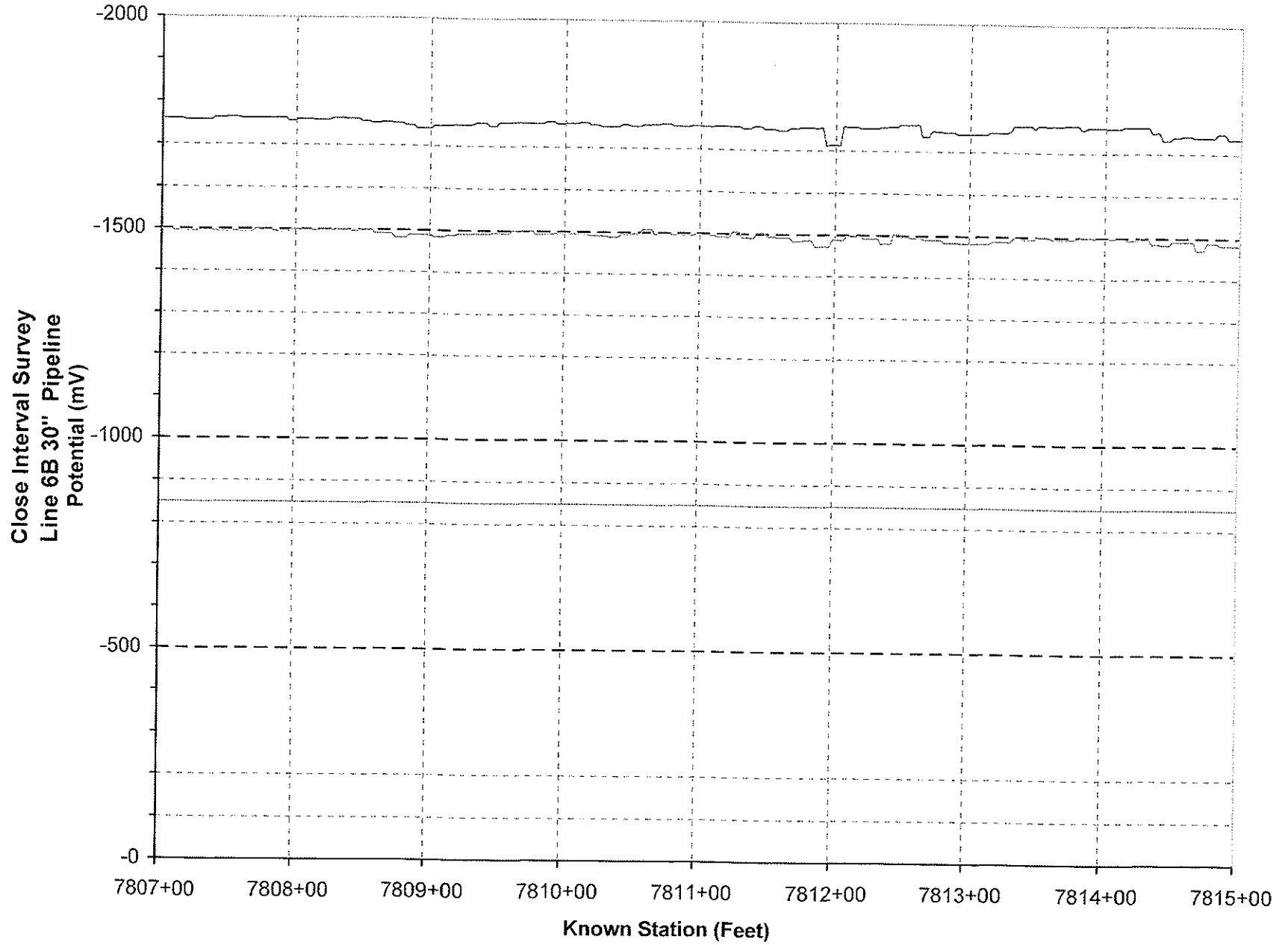
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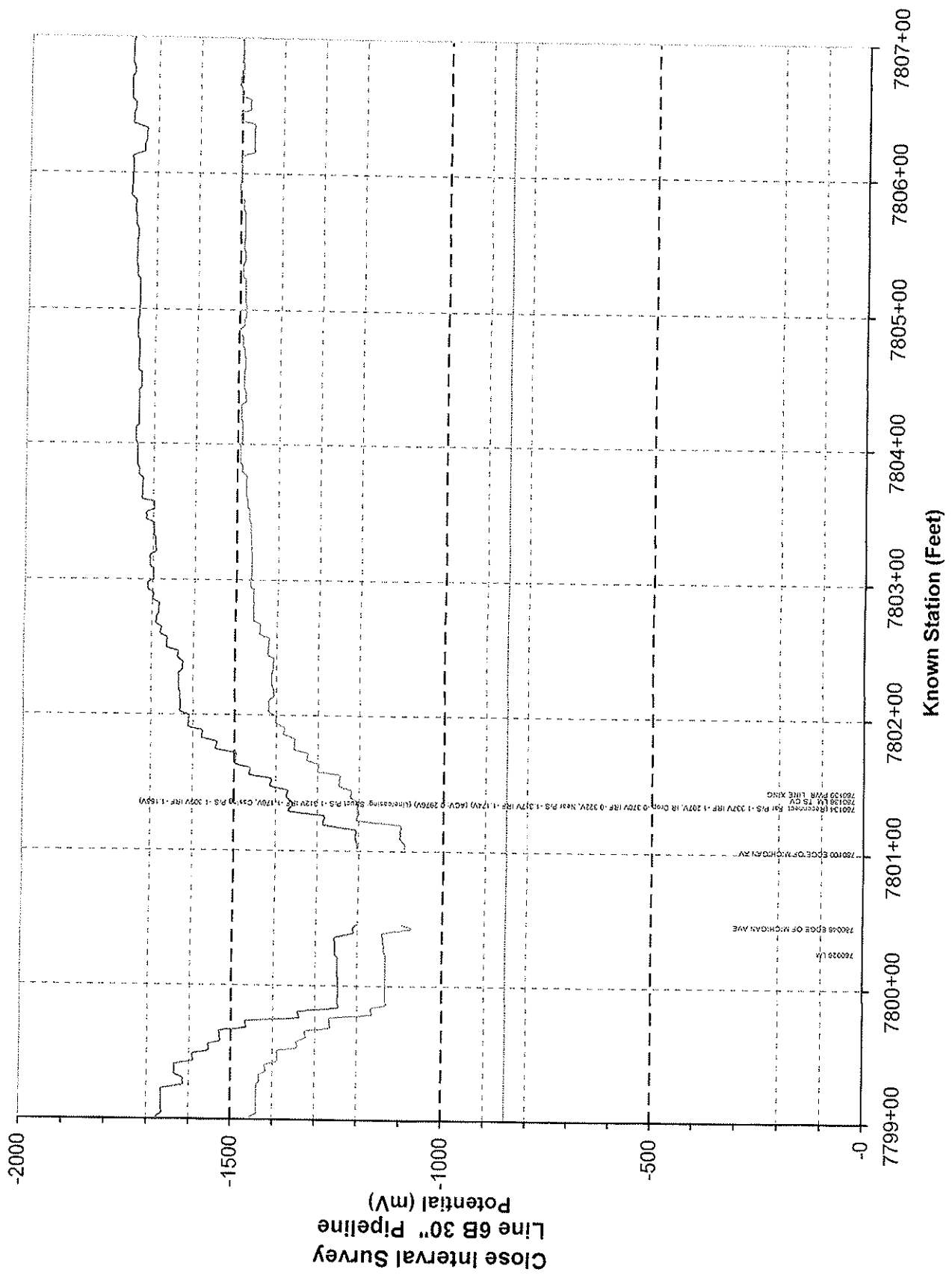


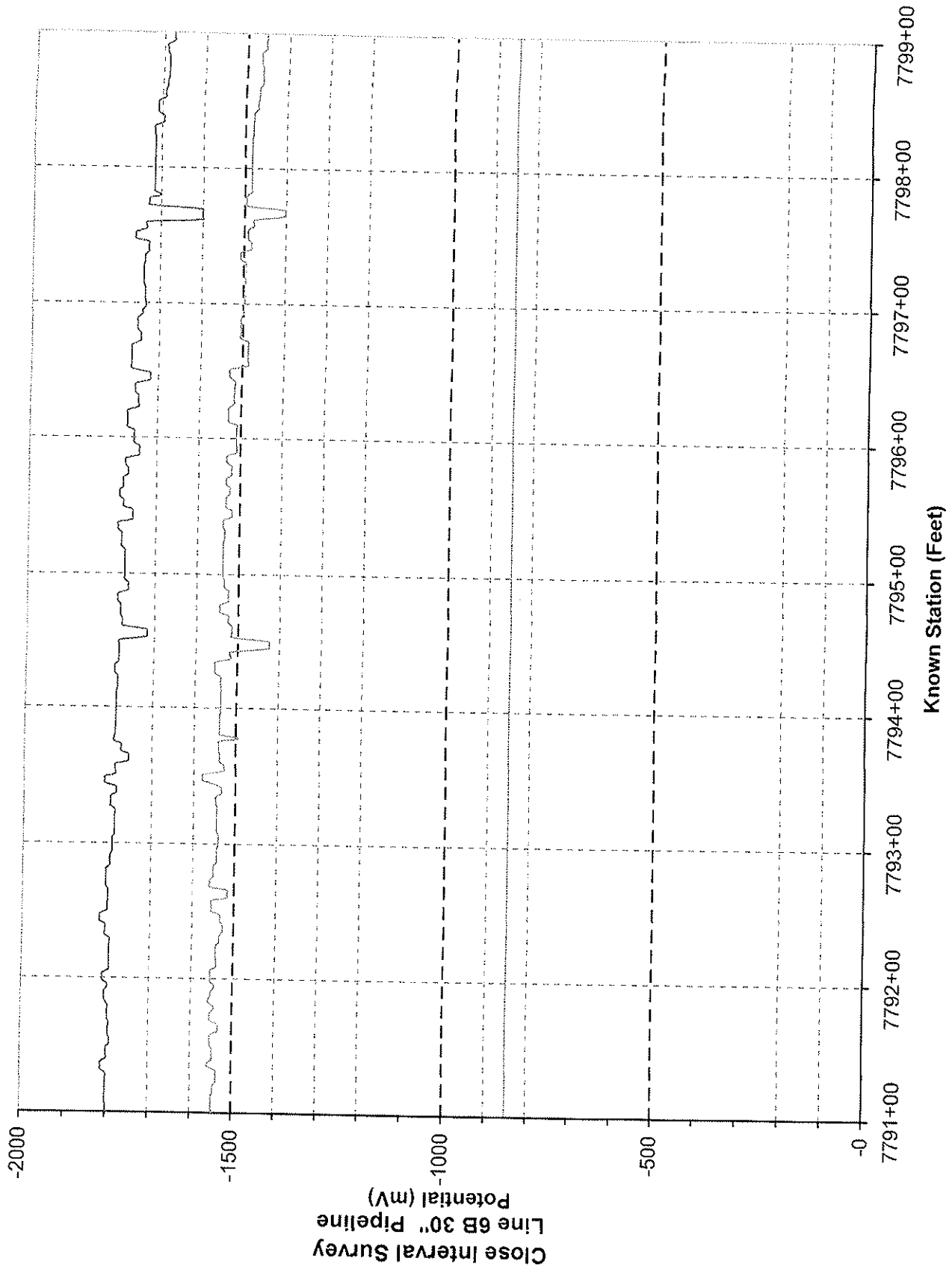




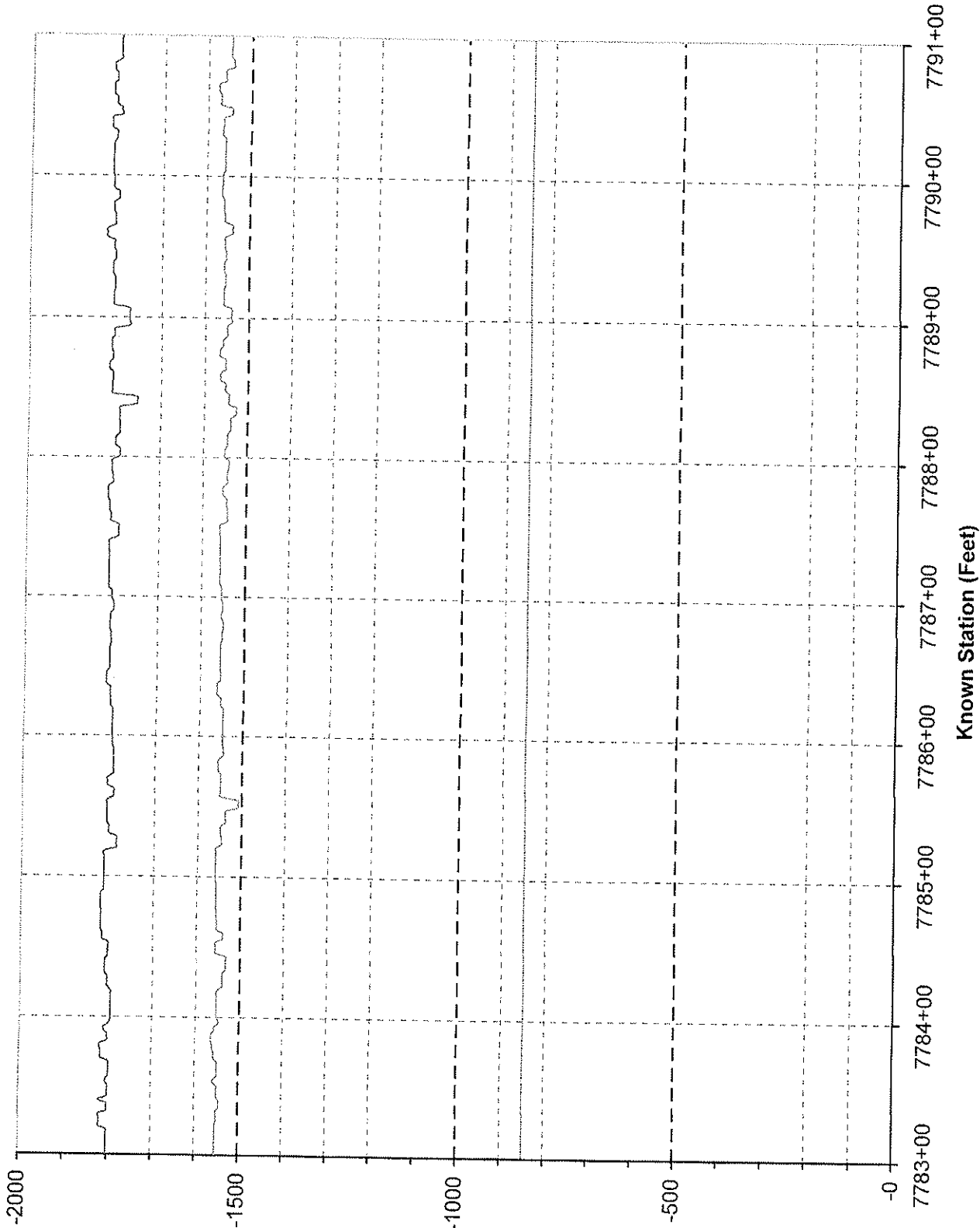


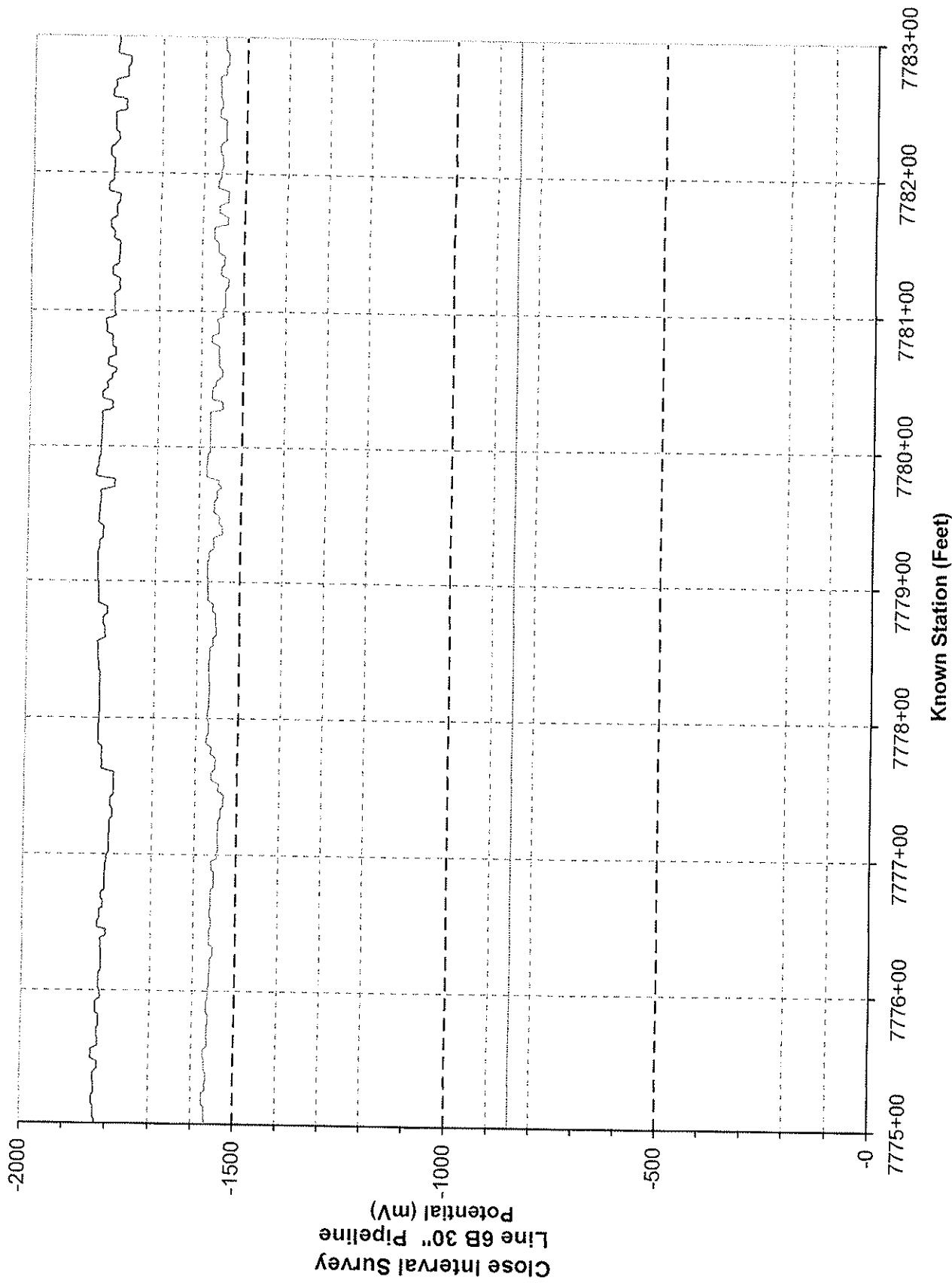




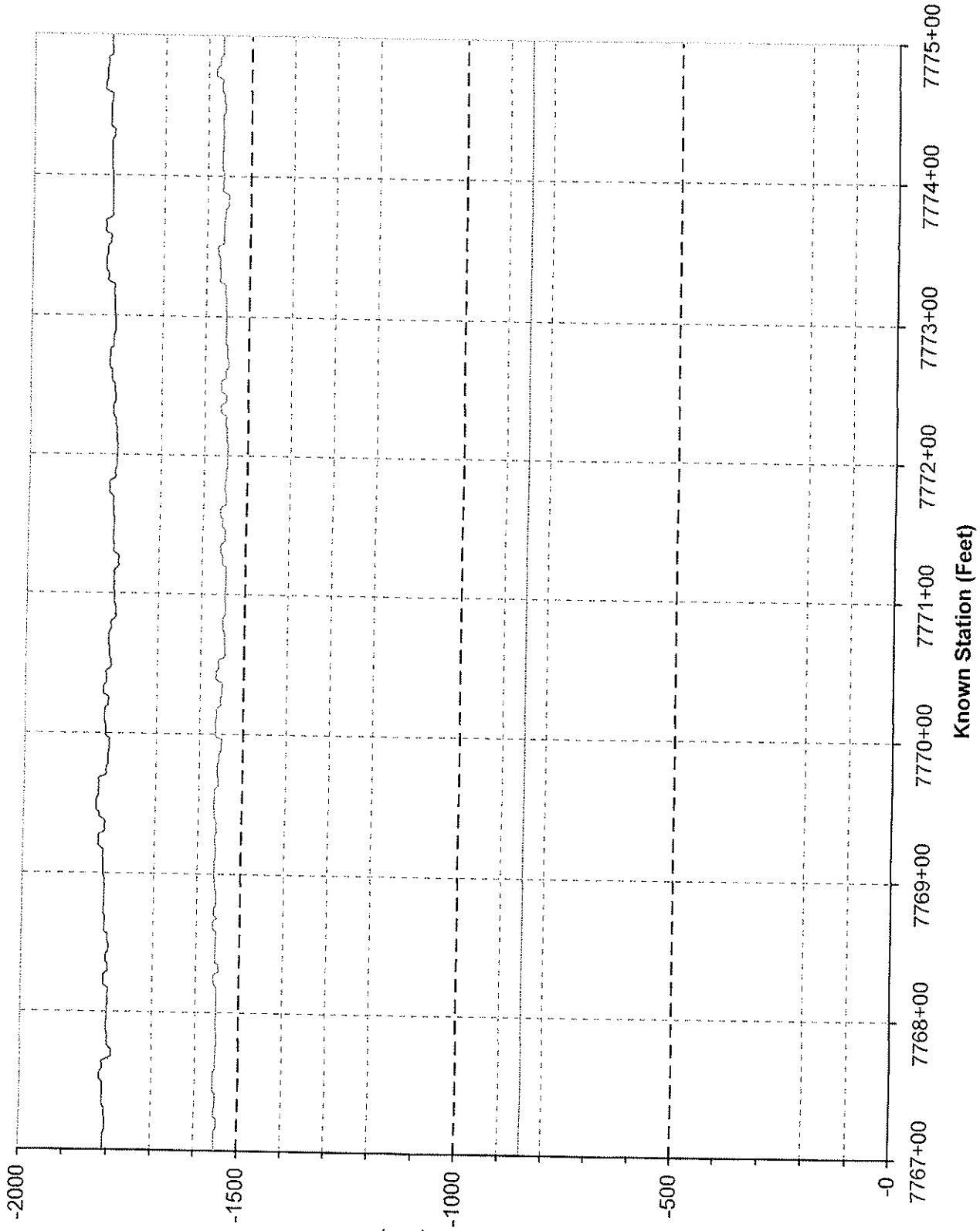


Close Interval Survey
Line 6B 30" Pipeline

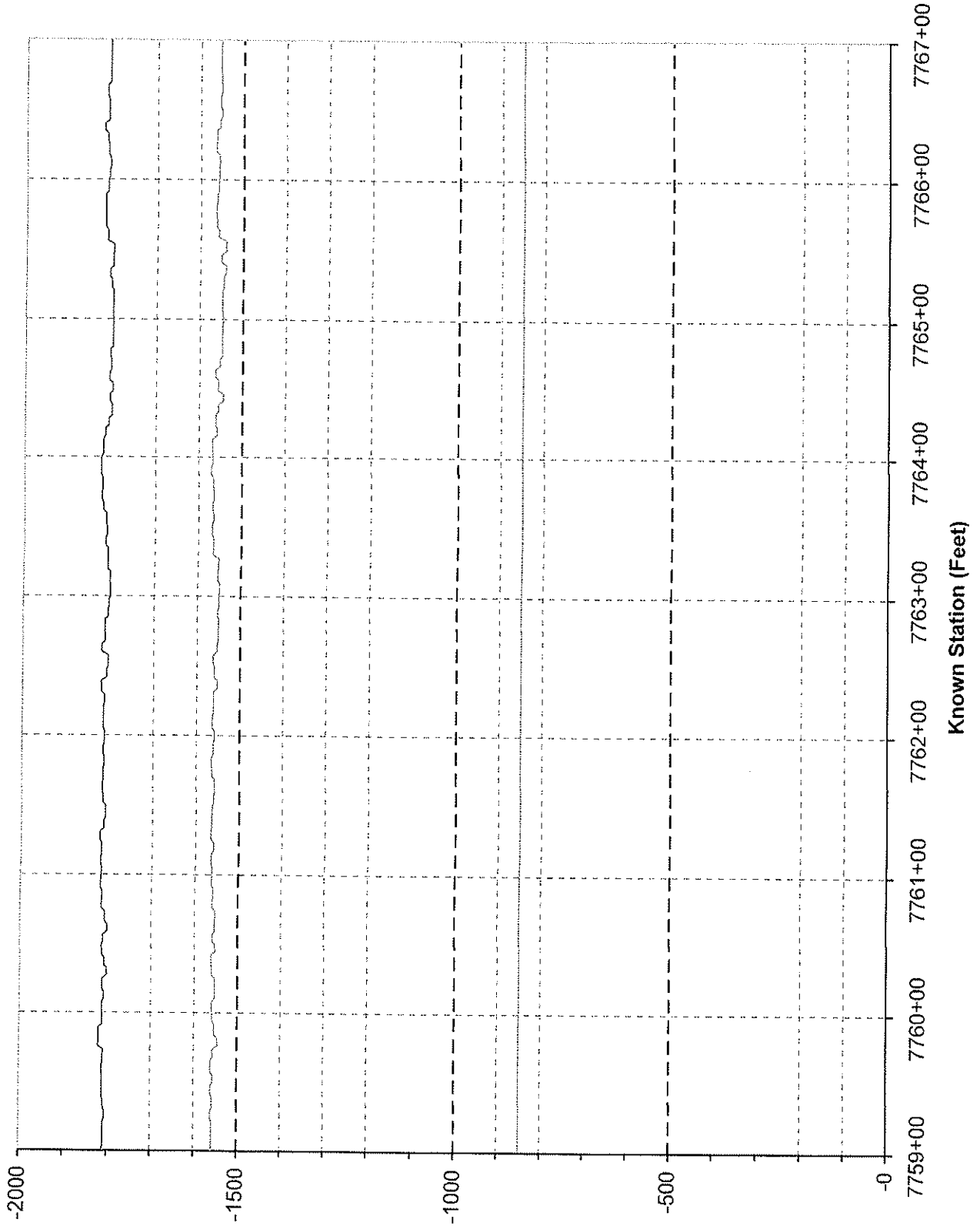


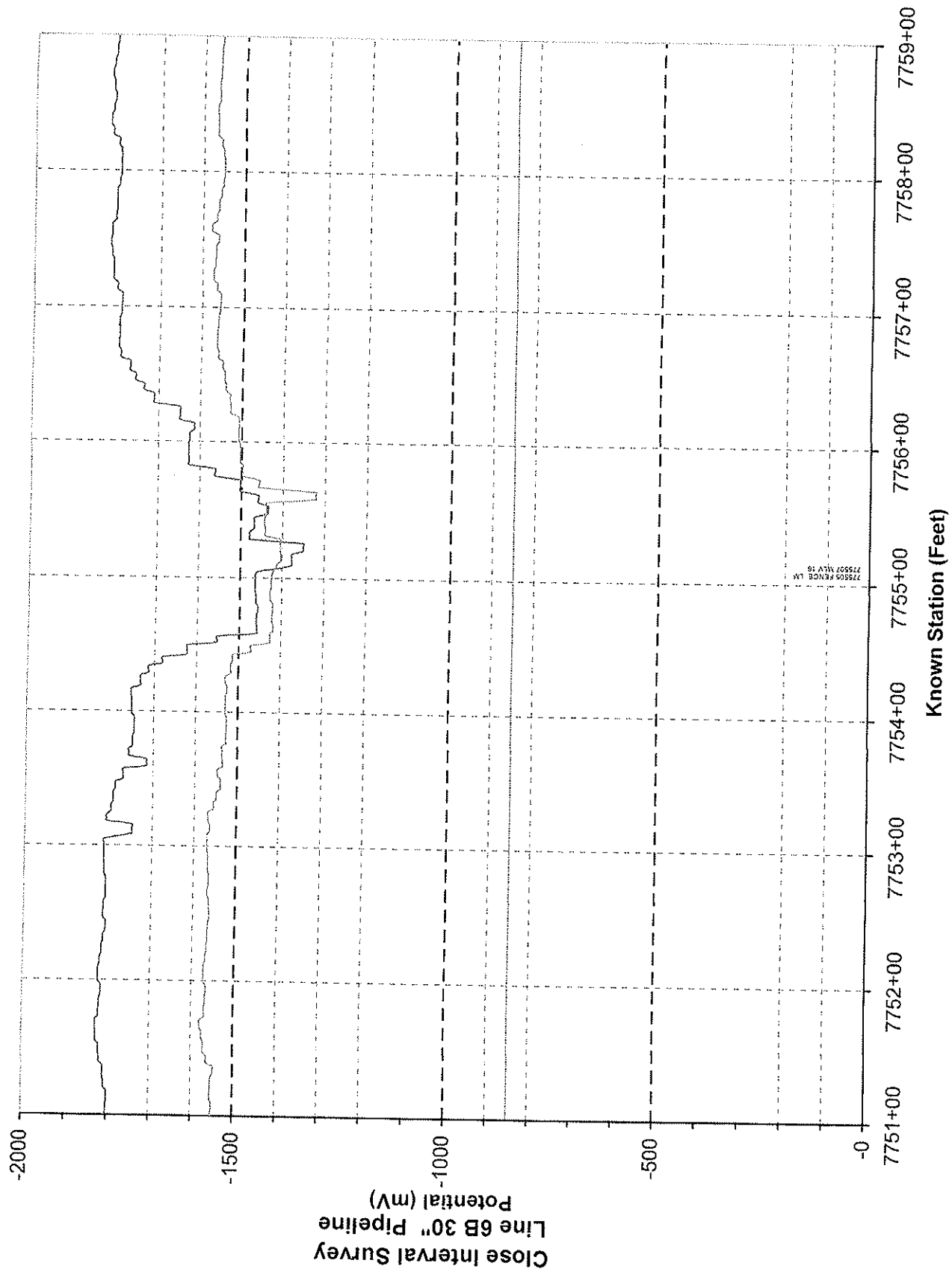


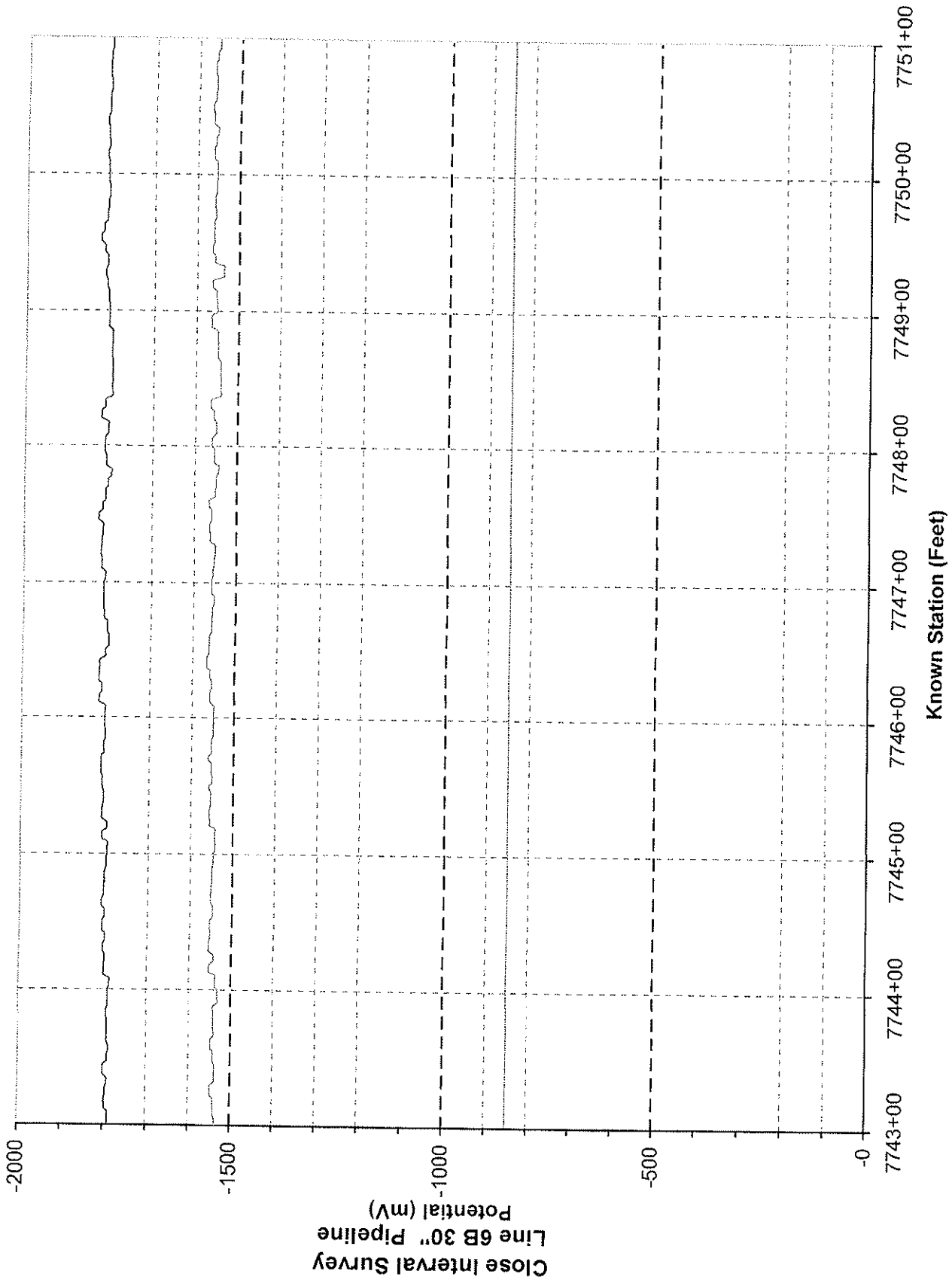
Close Interval Survey
Line 6B 30" Pipeline

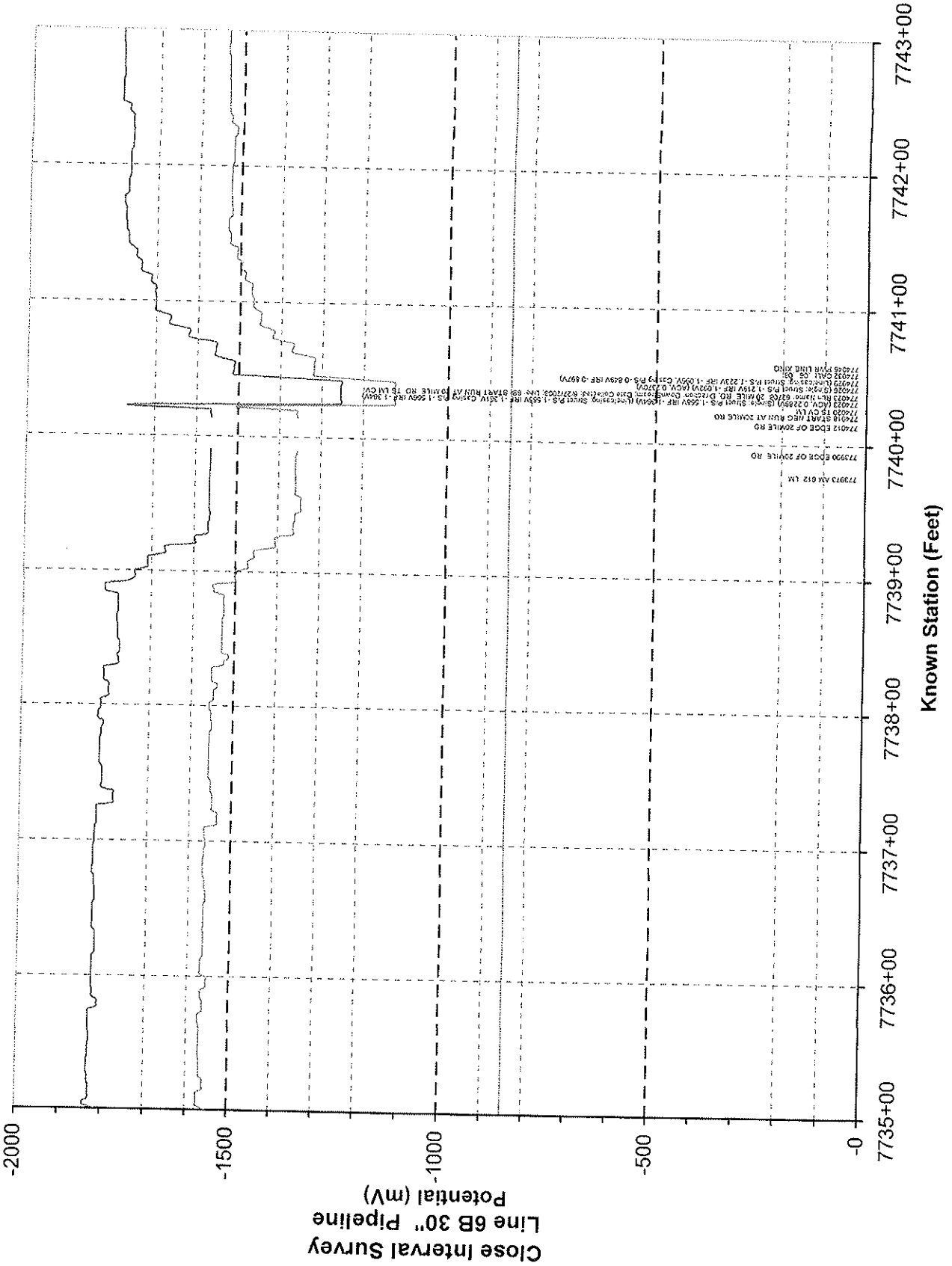


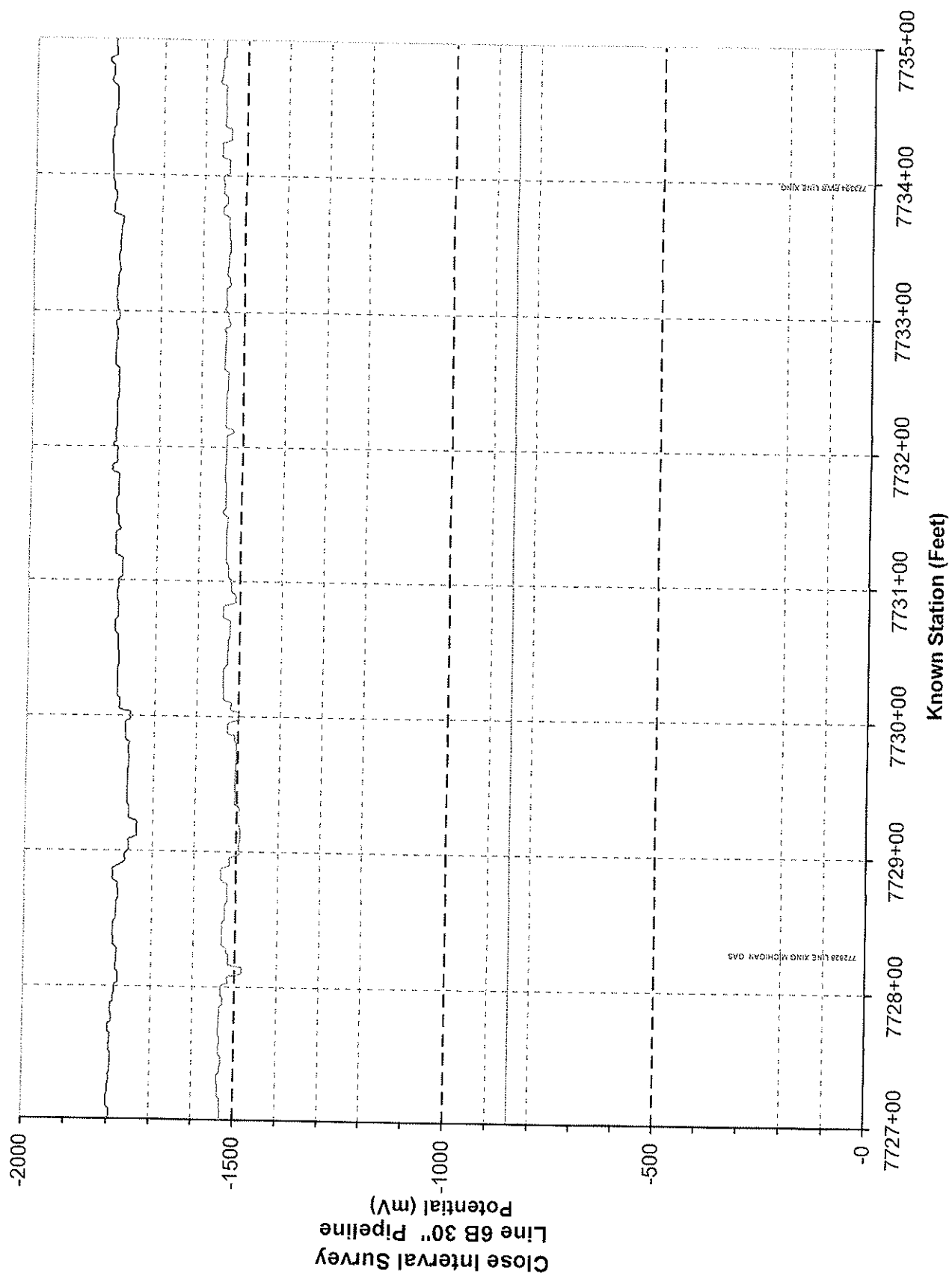
Close Interval Survey
Line 6B 30" Pipeline

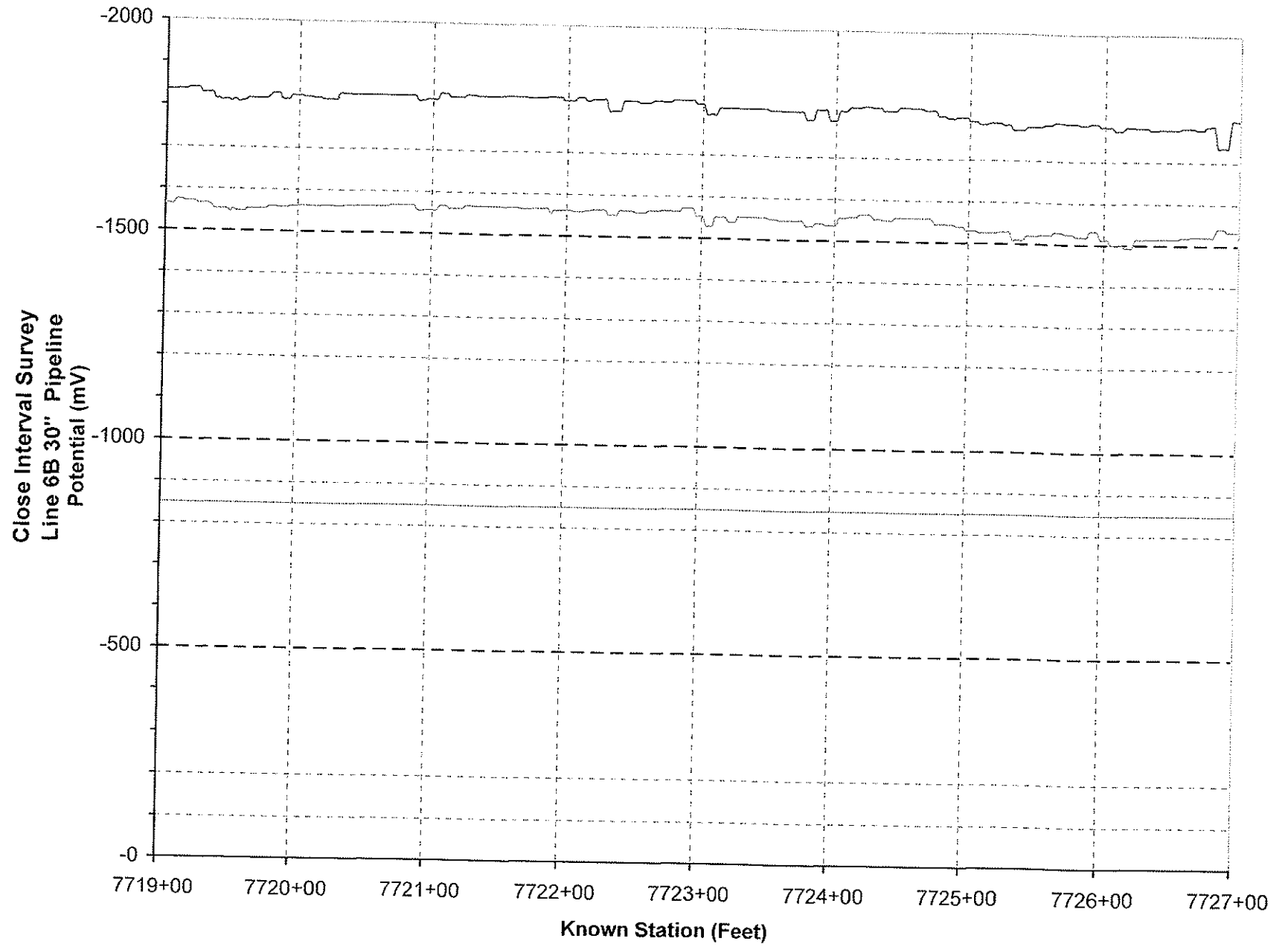


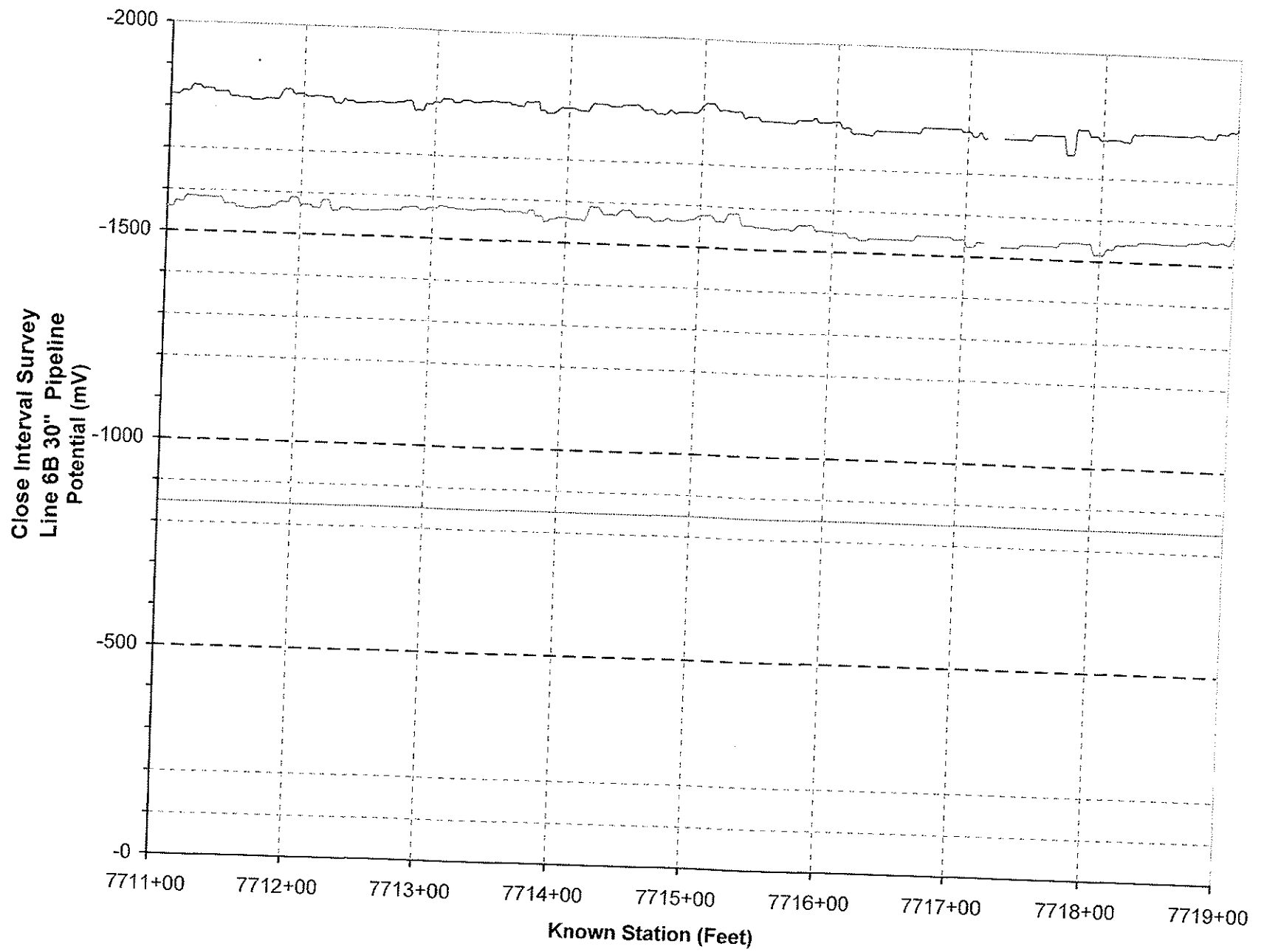


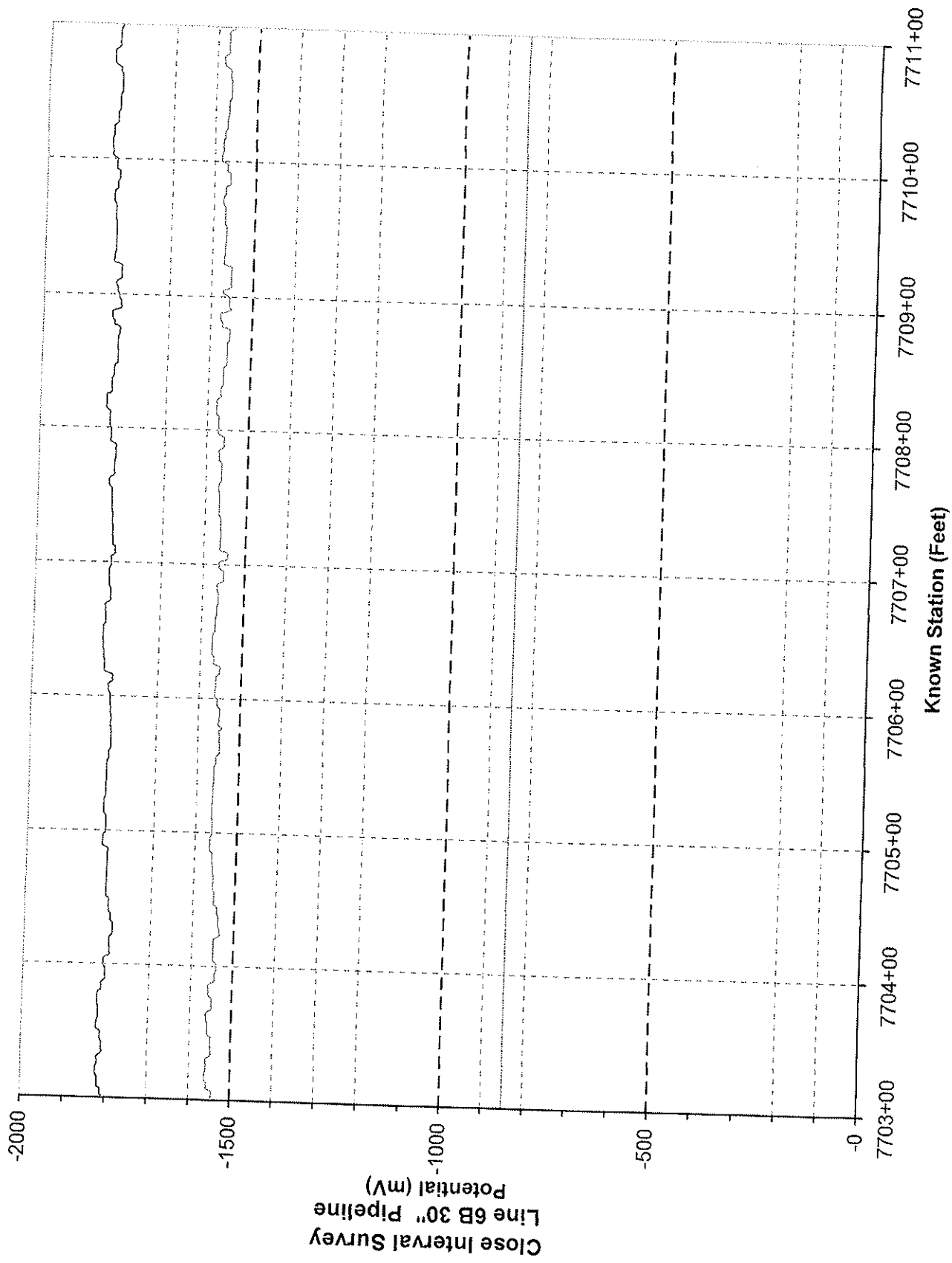


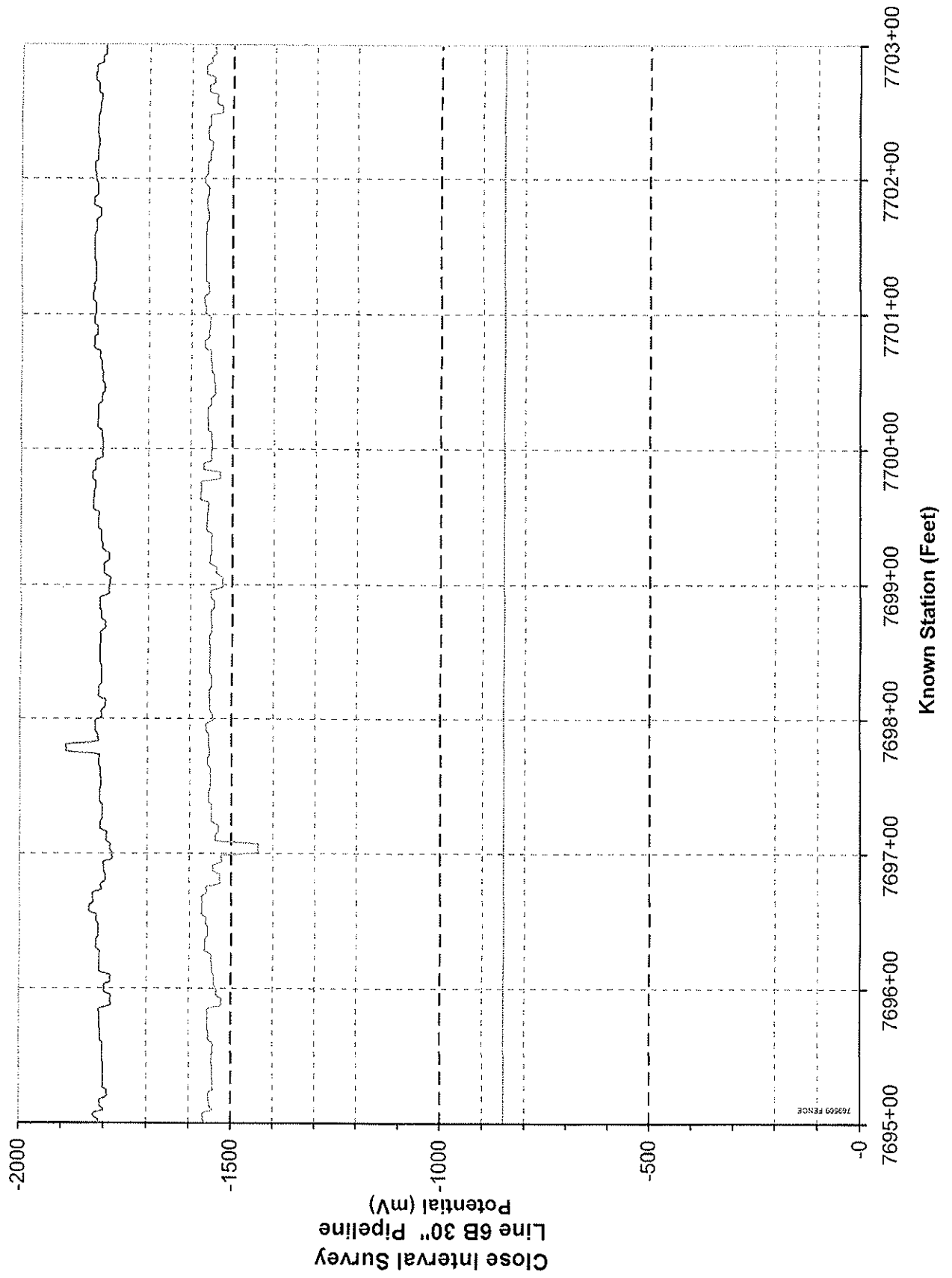




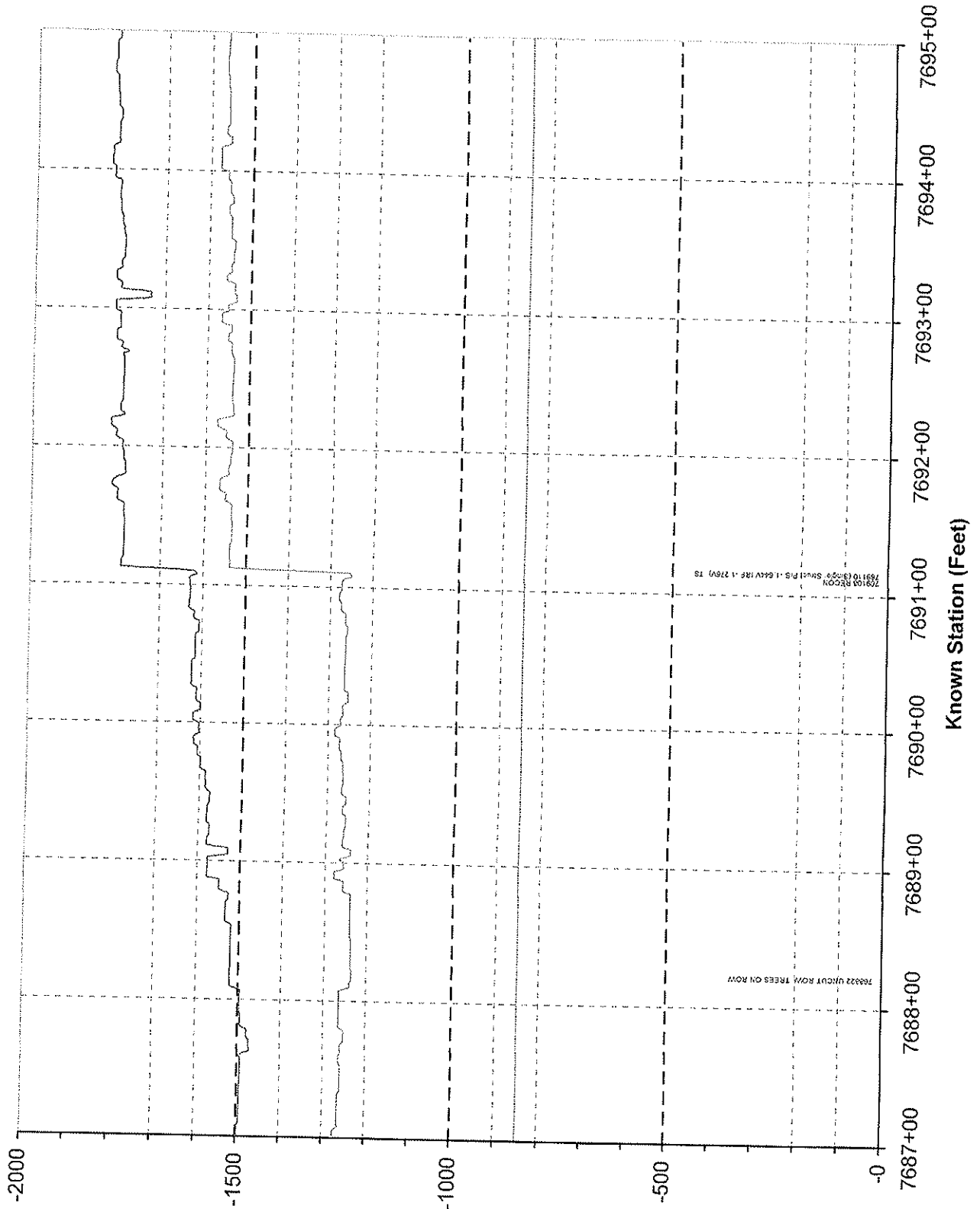




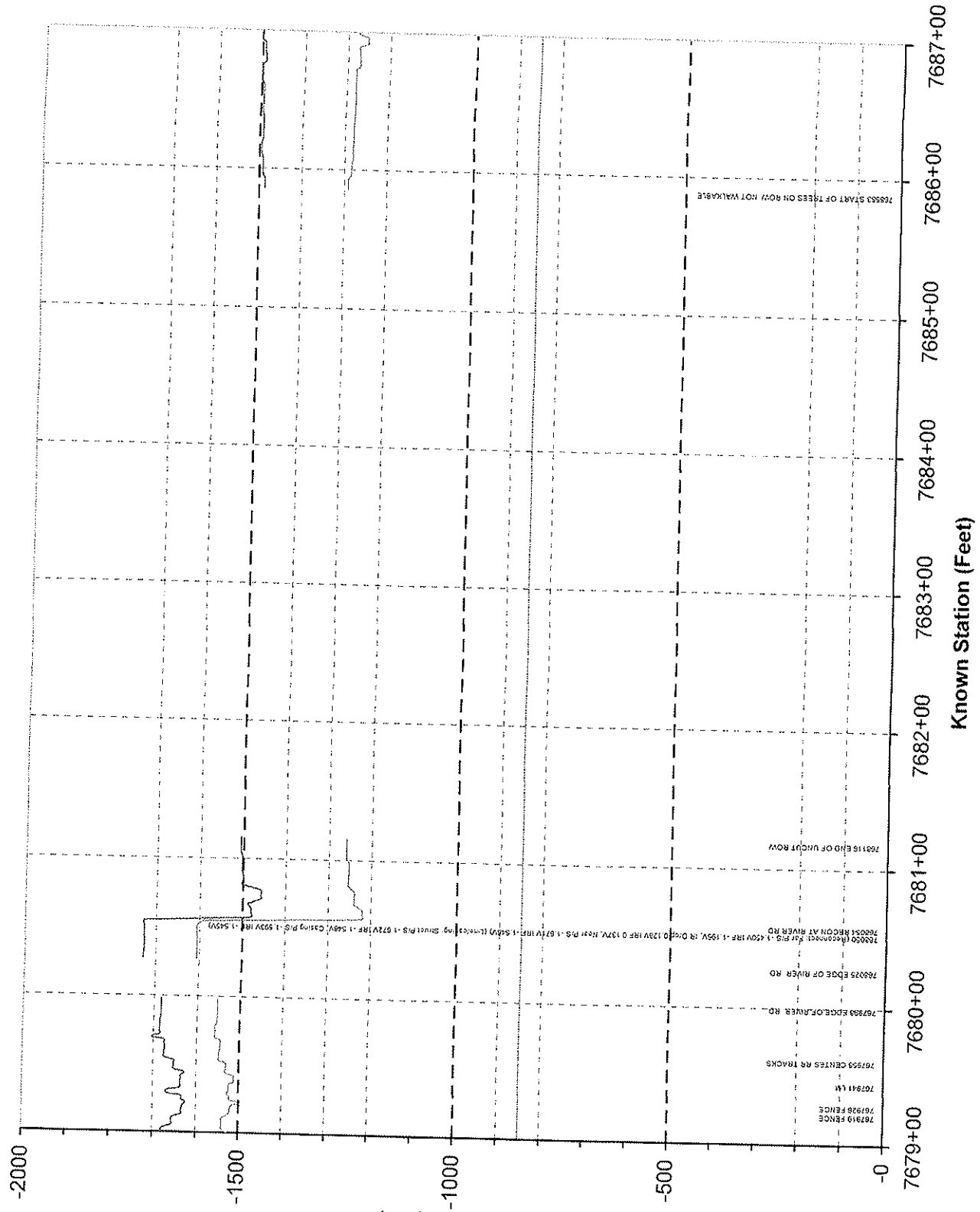


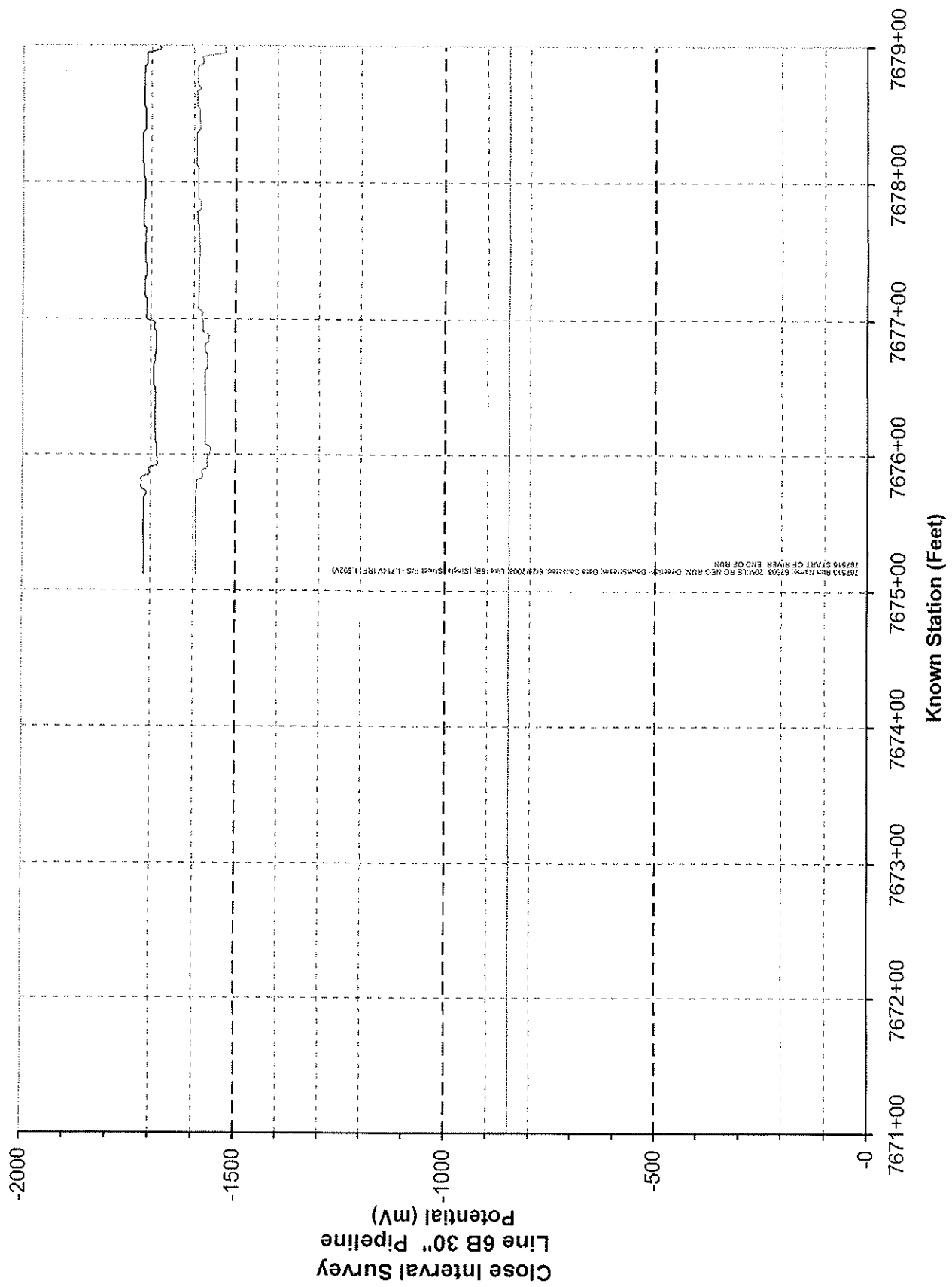


Close Interval Survey
Line 6B 30" Pipeline

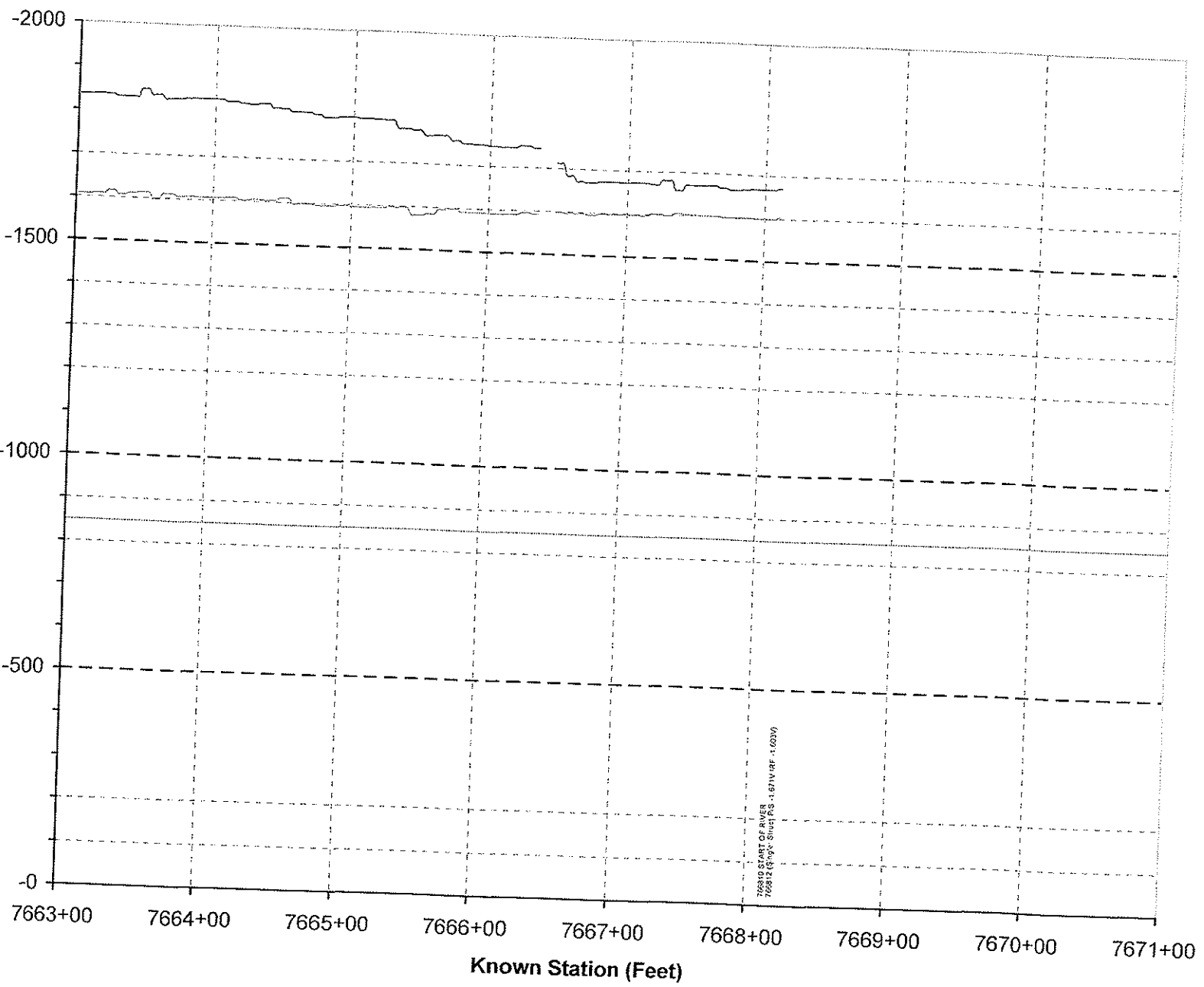


Close Interval Survey
Line 6B 30" Pipeline



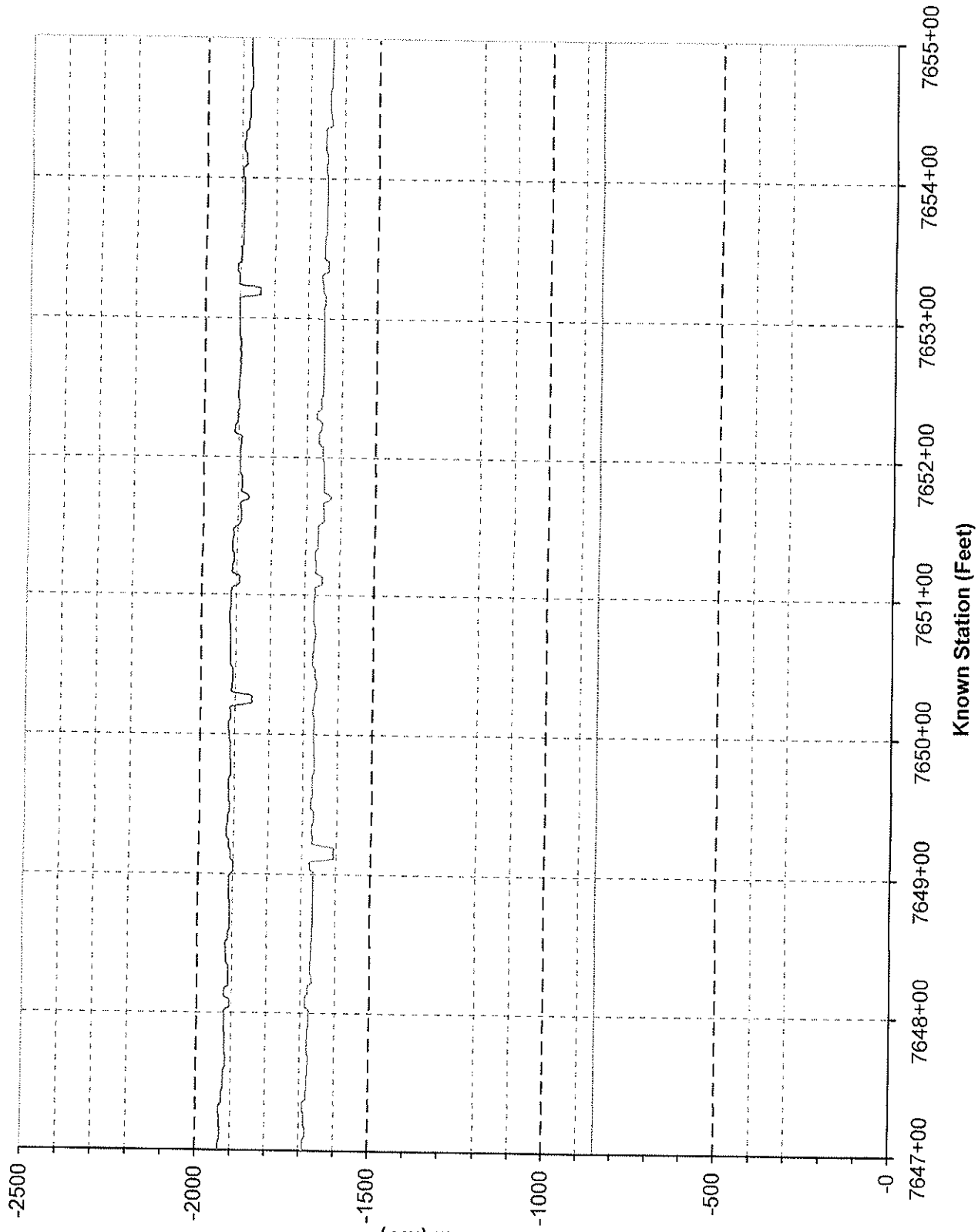


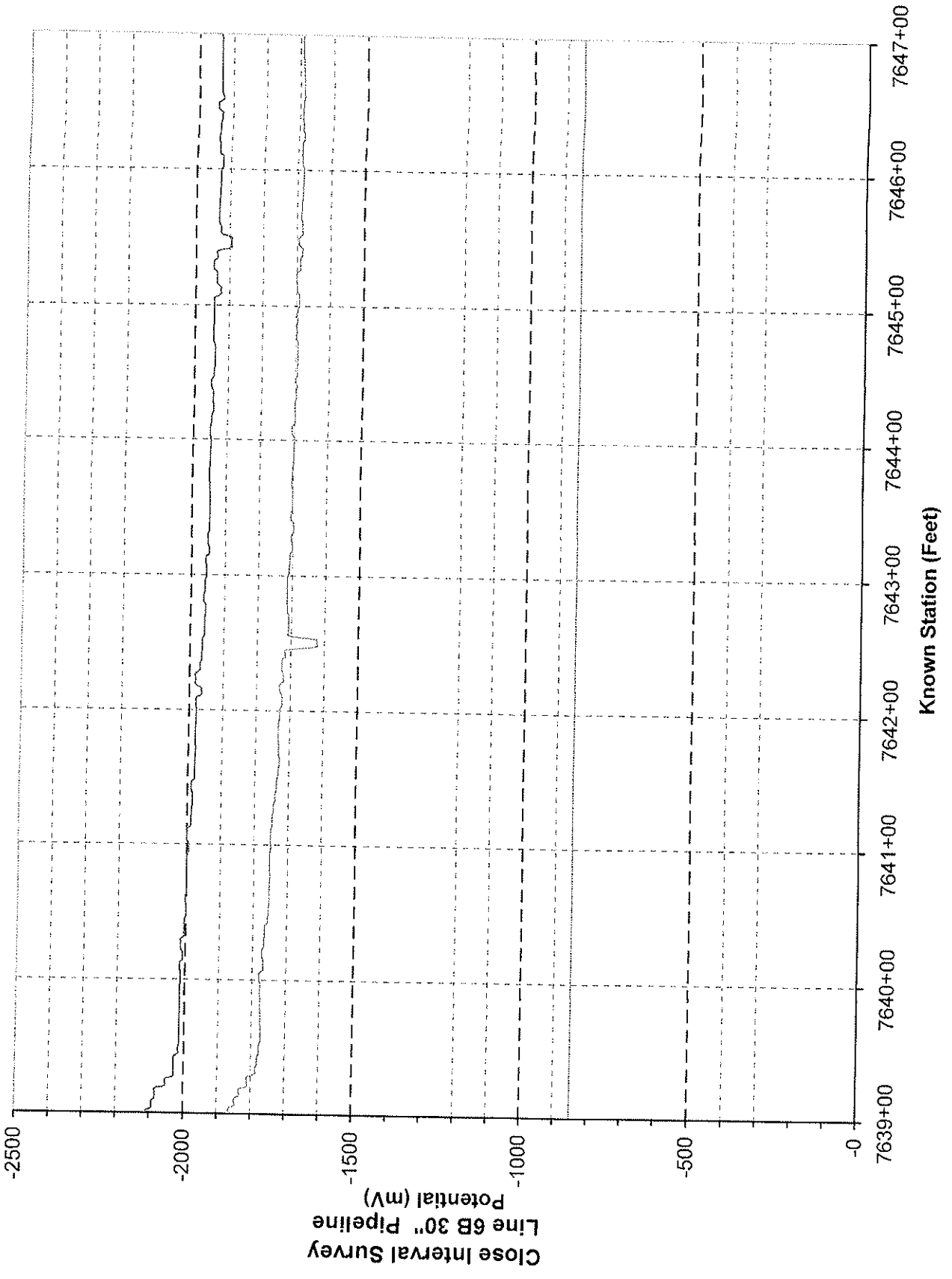
Close Interval Survey
Line 6B 30" Pipeline
Potential (mV)

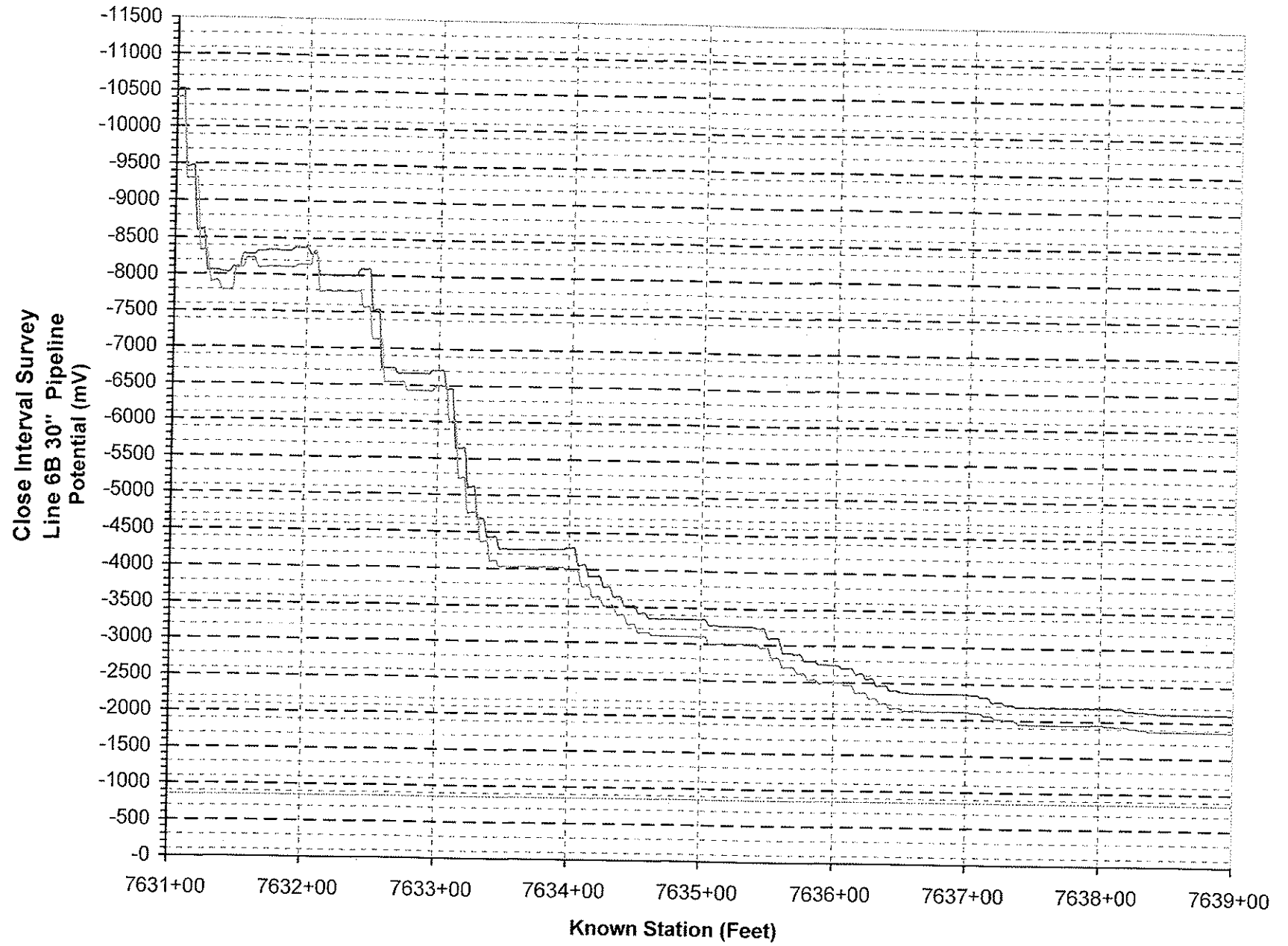


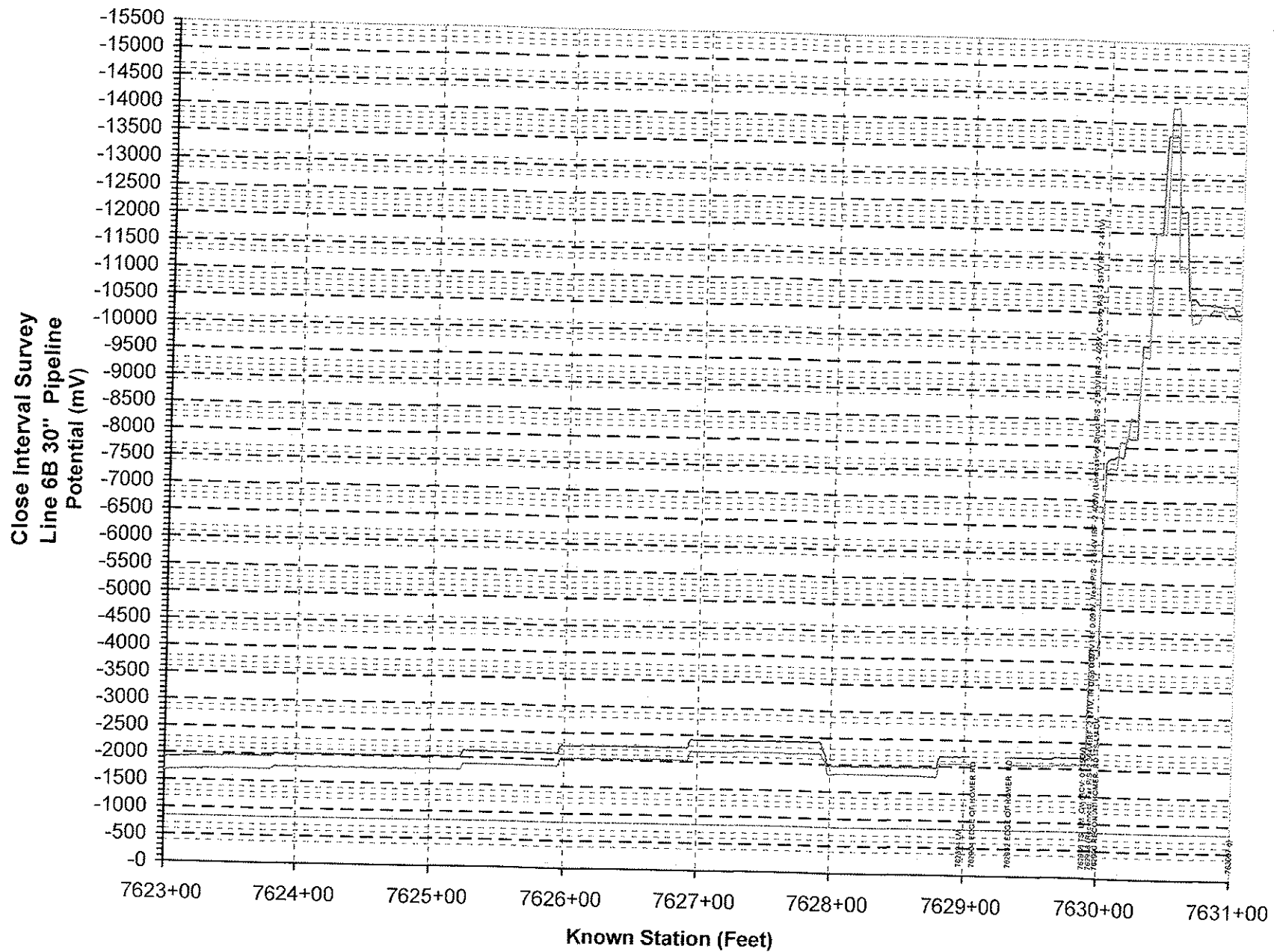
7668+00 START OF RIVER
7668+00 (100' Shaded) RS -1.67V RF -1.02V

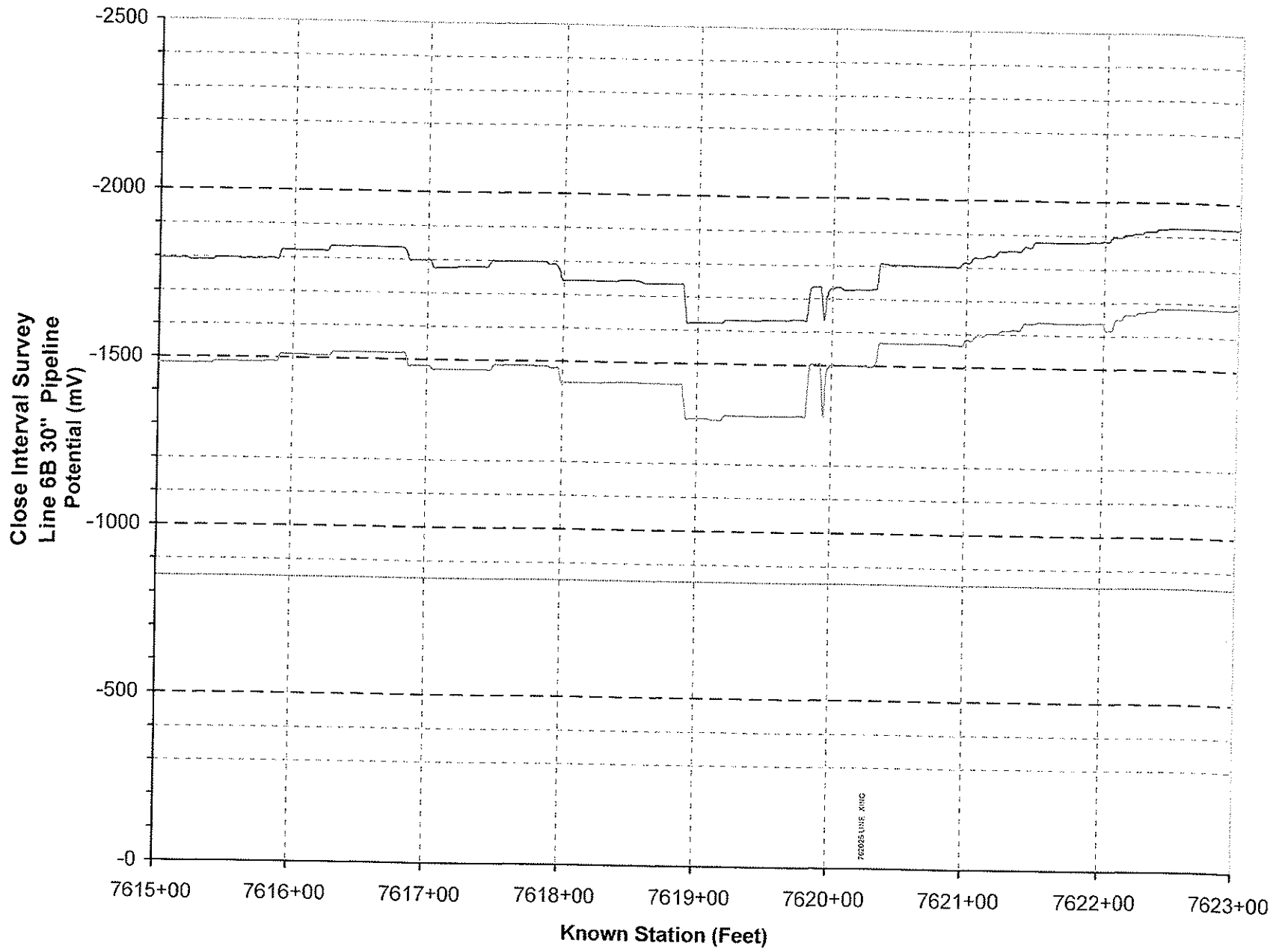
Close Interval Survey
Line 6B 30" Pipeline

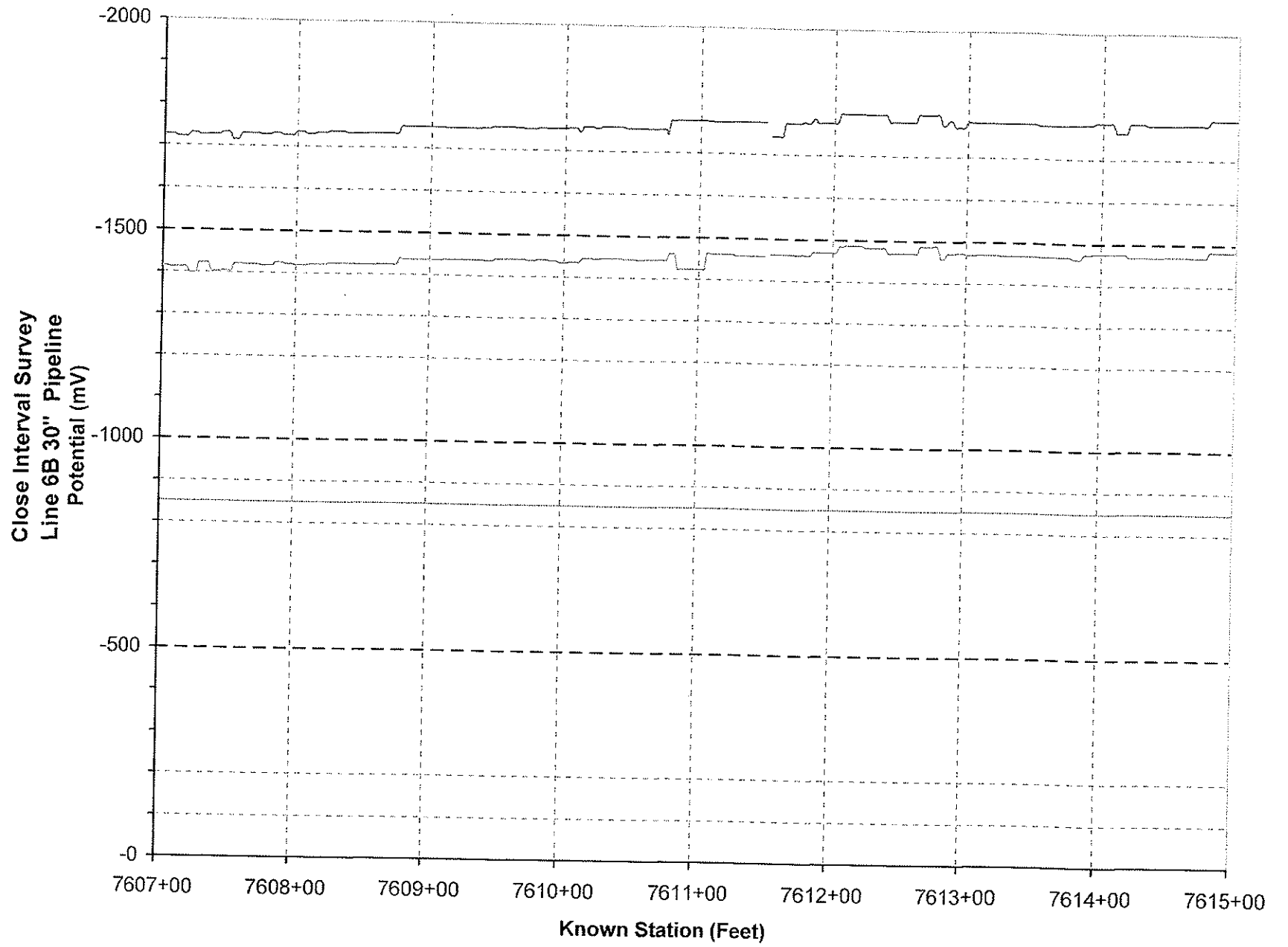


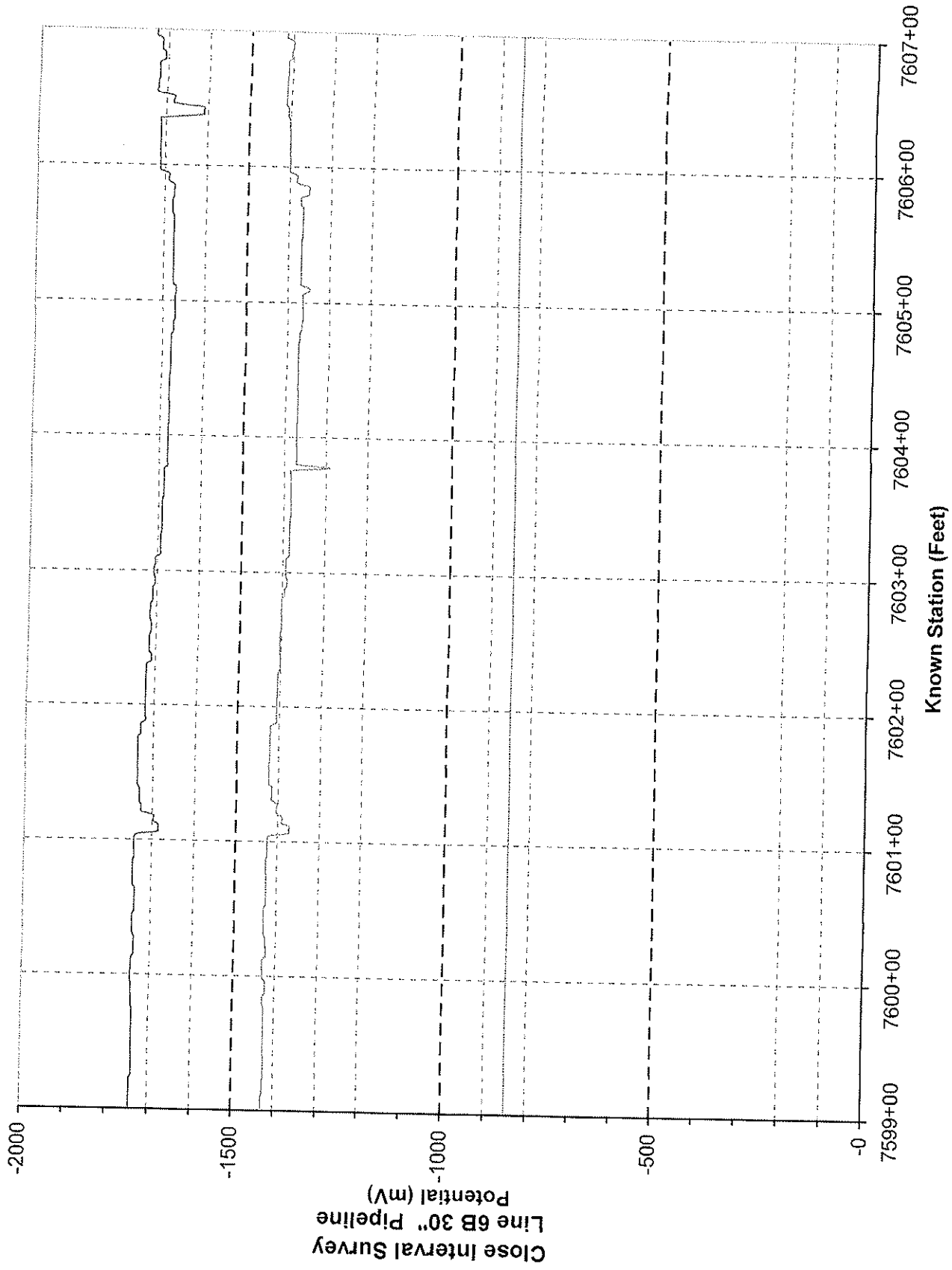


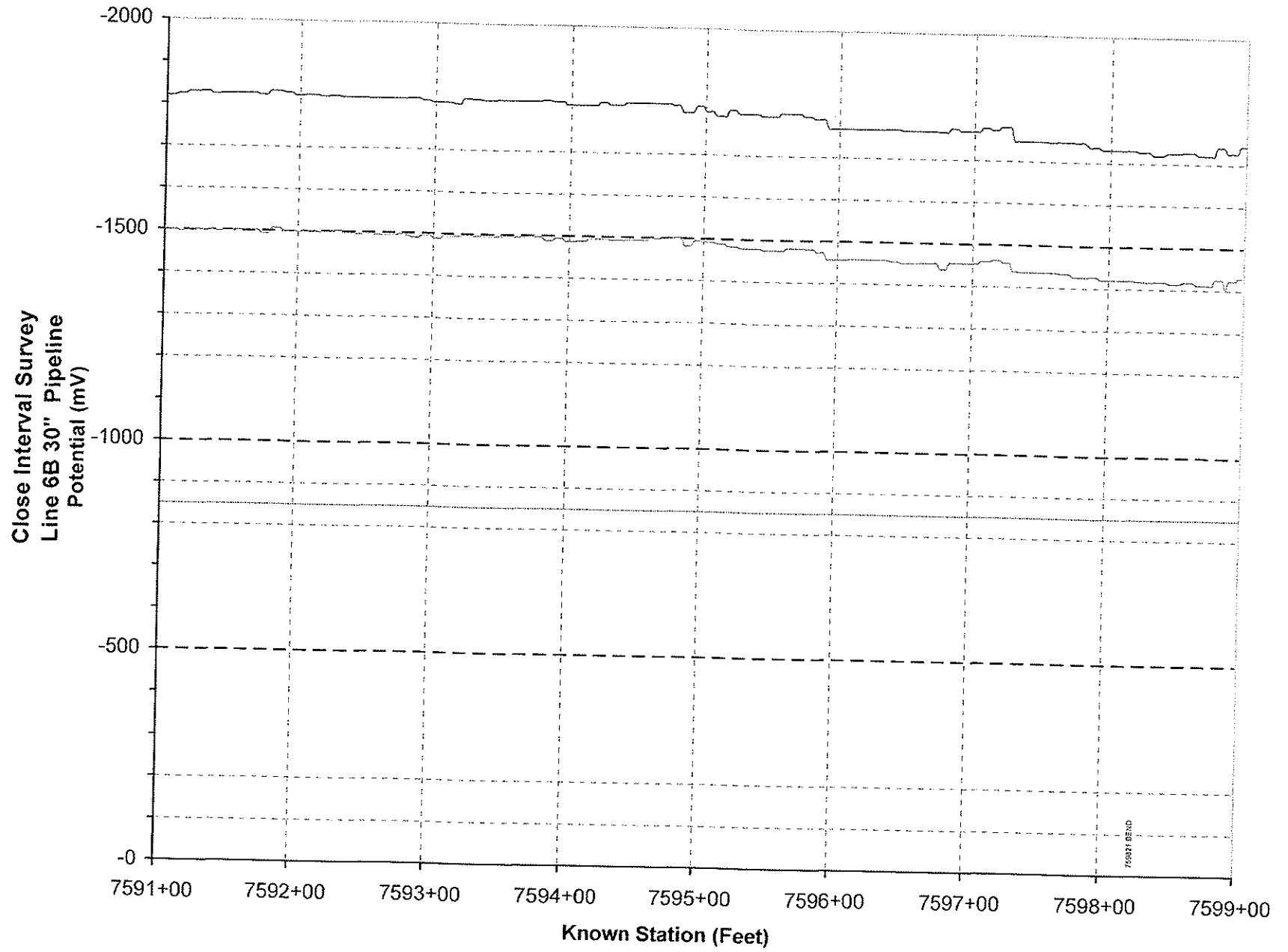


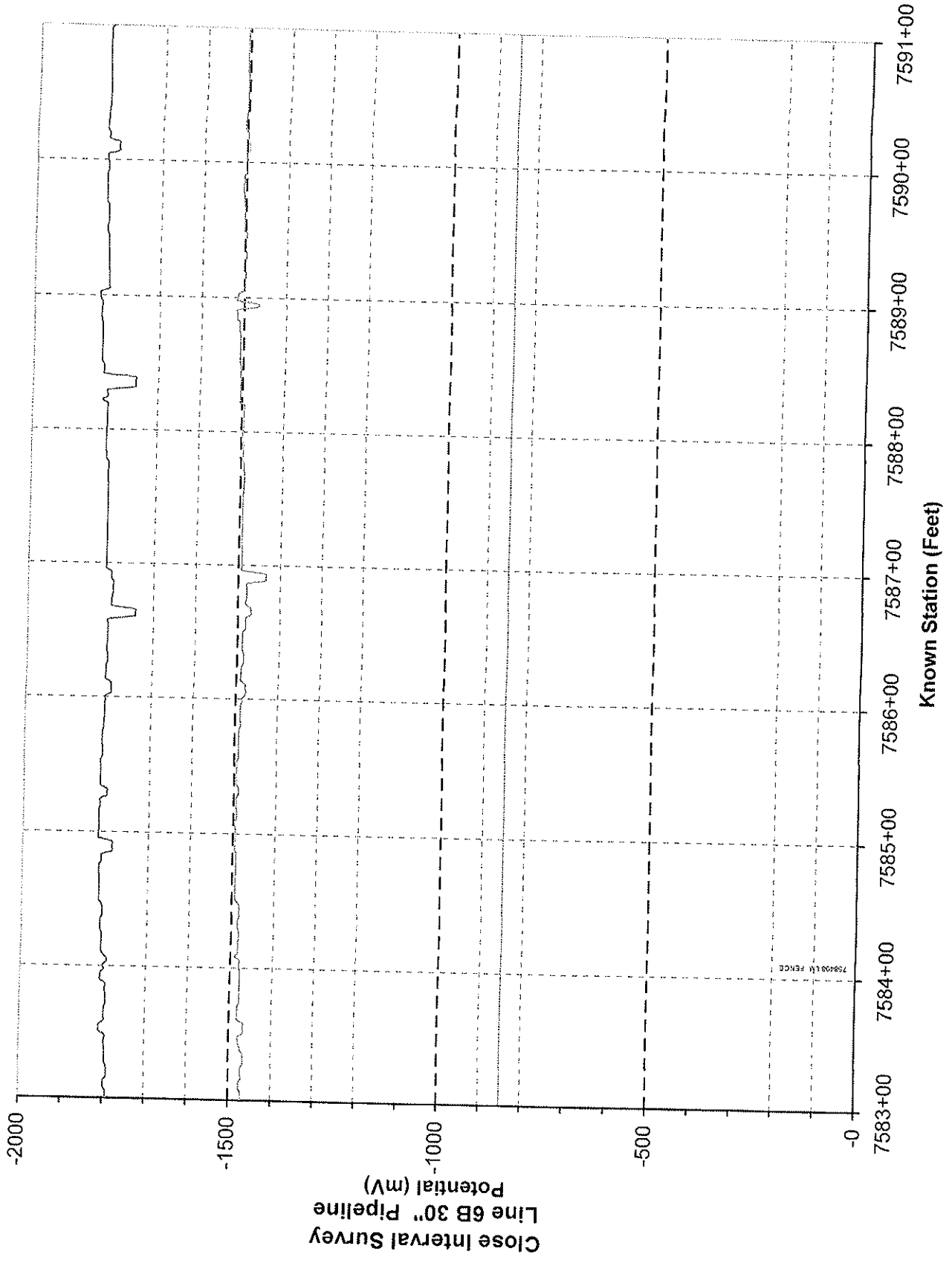


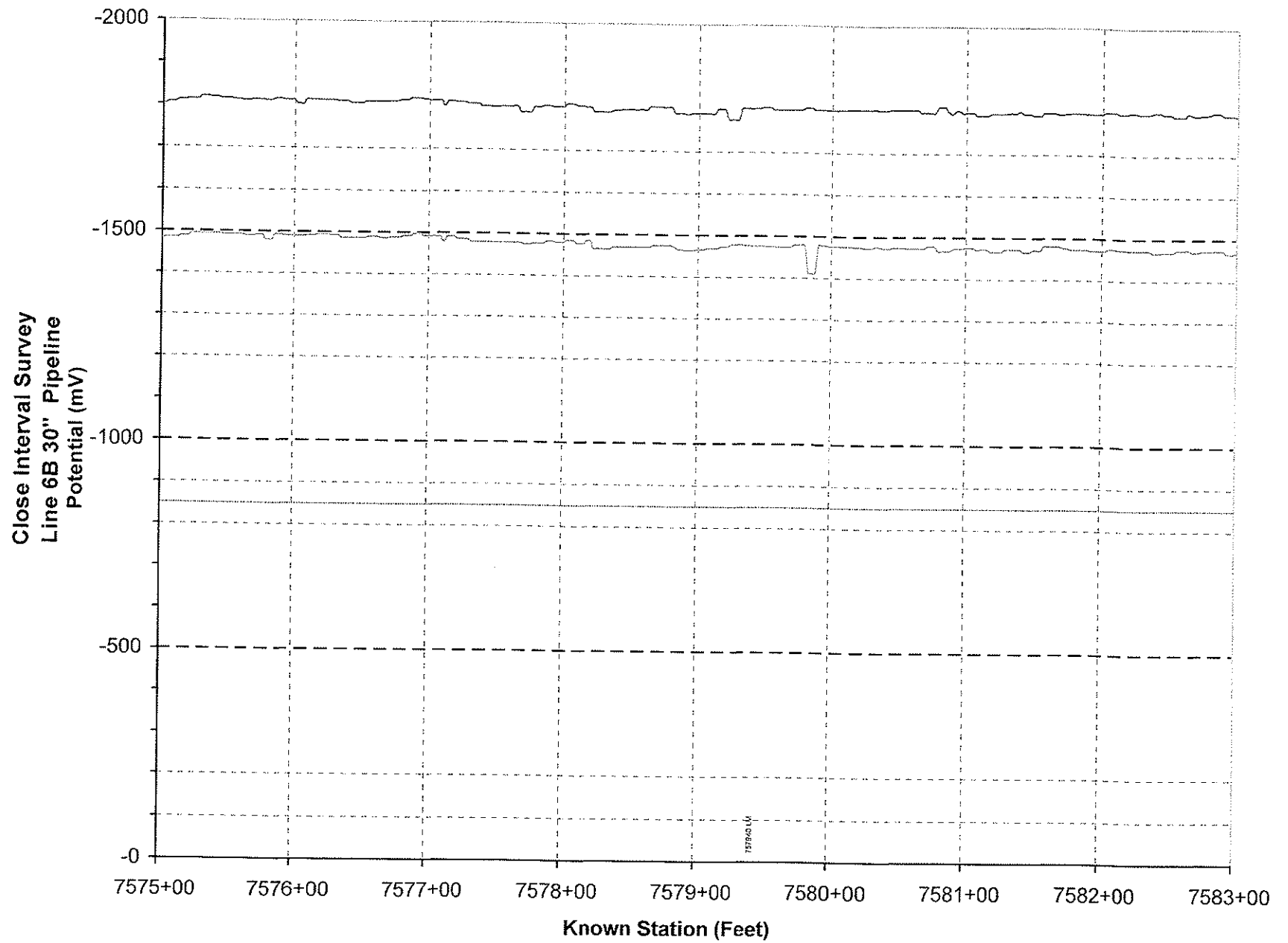


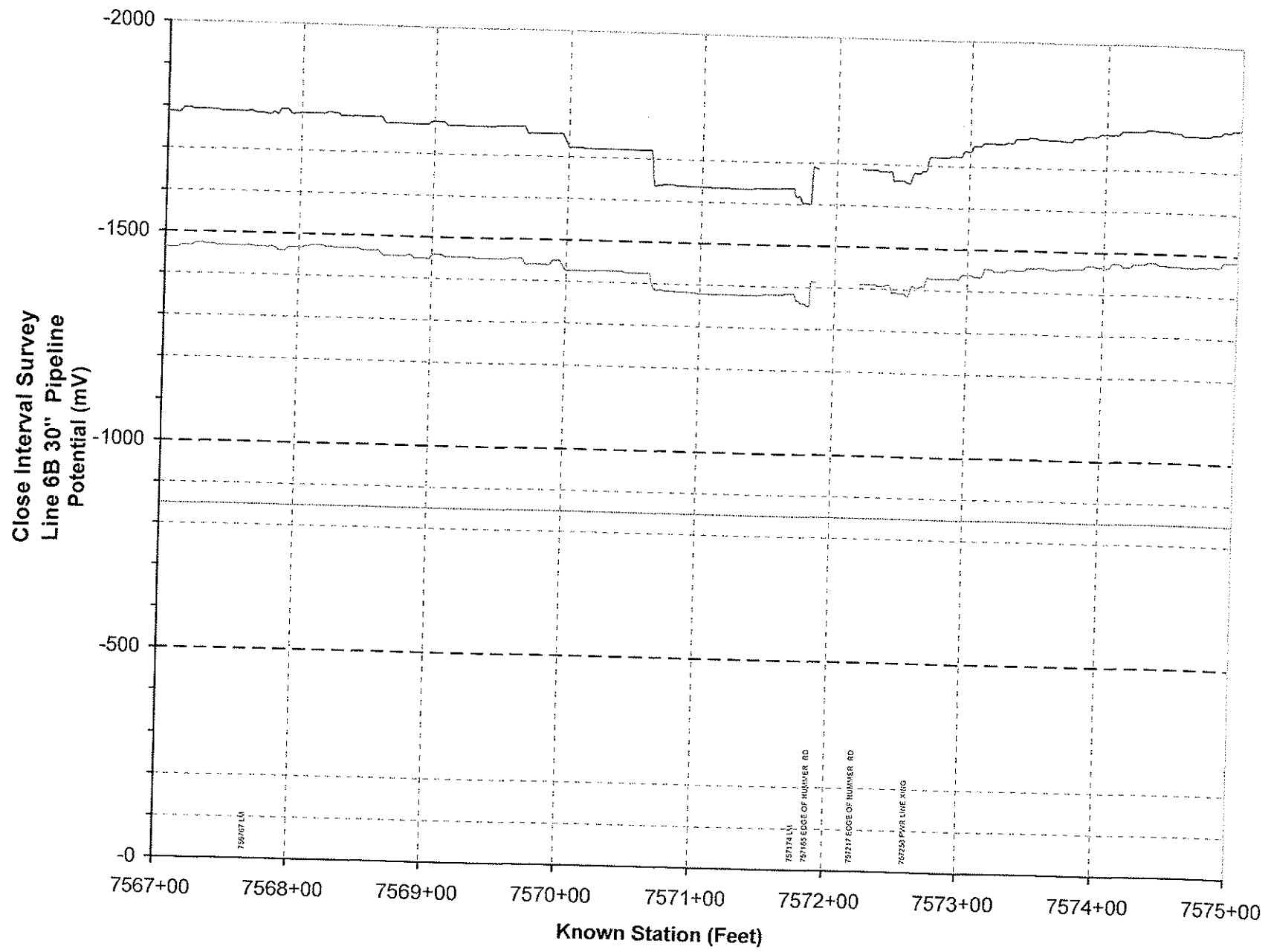


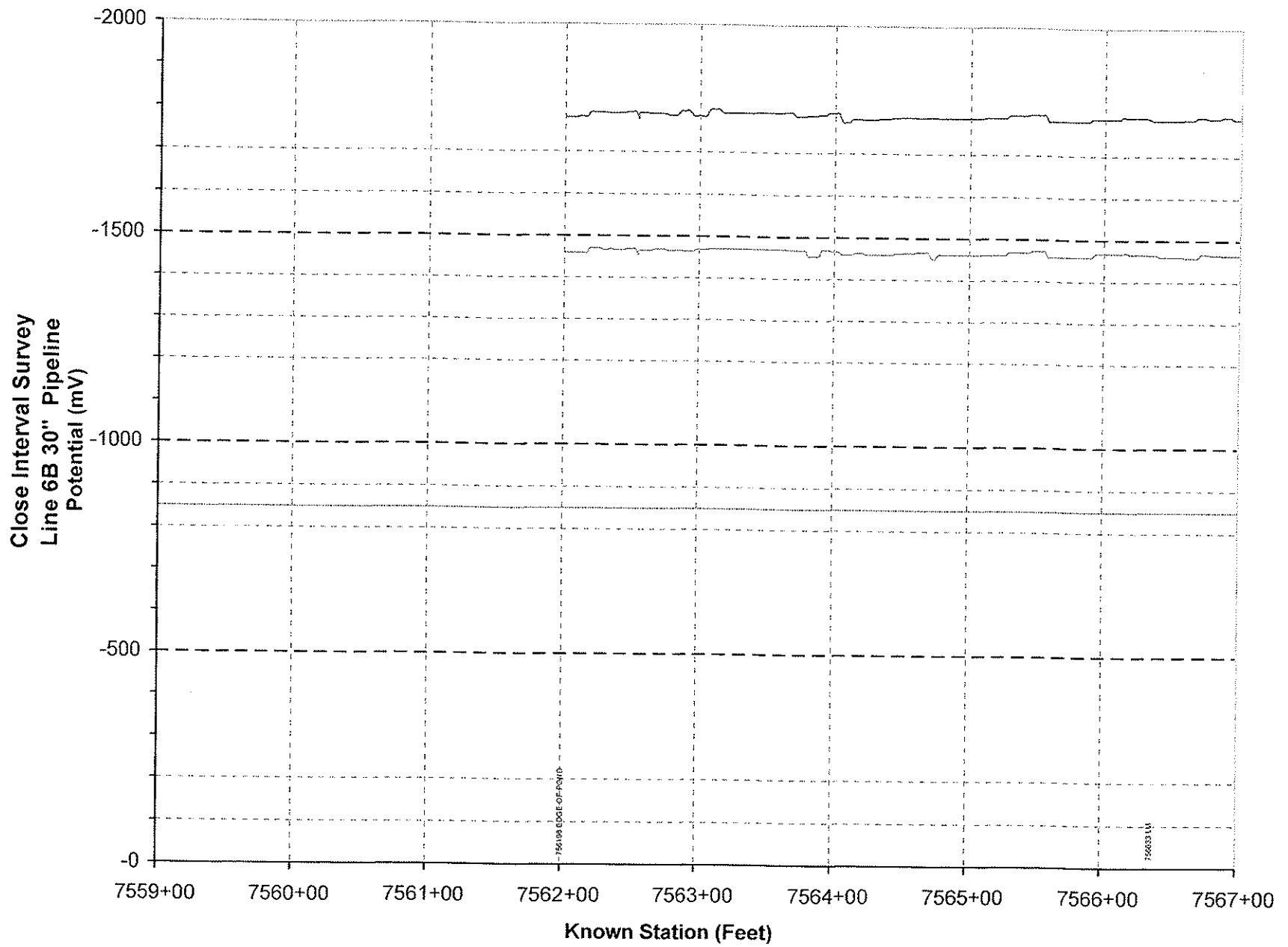




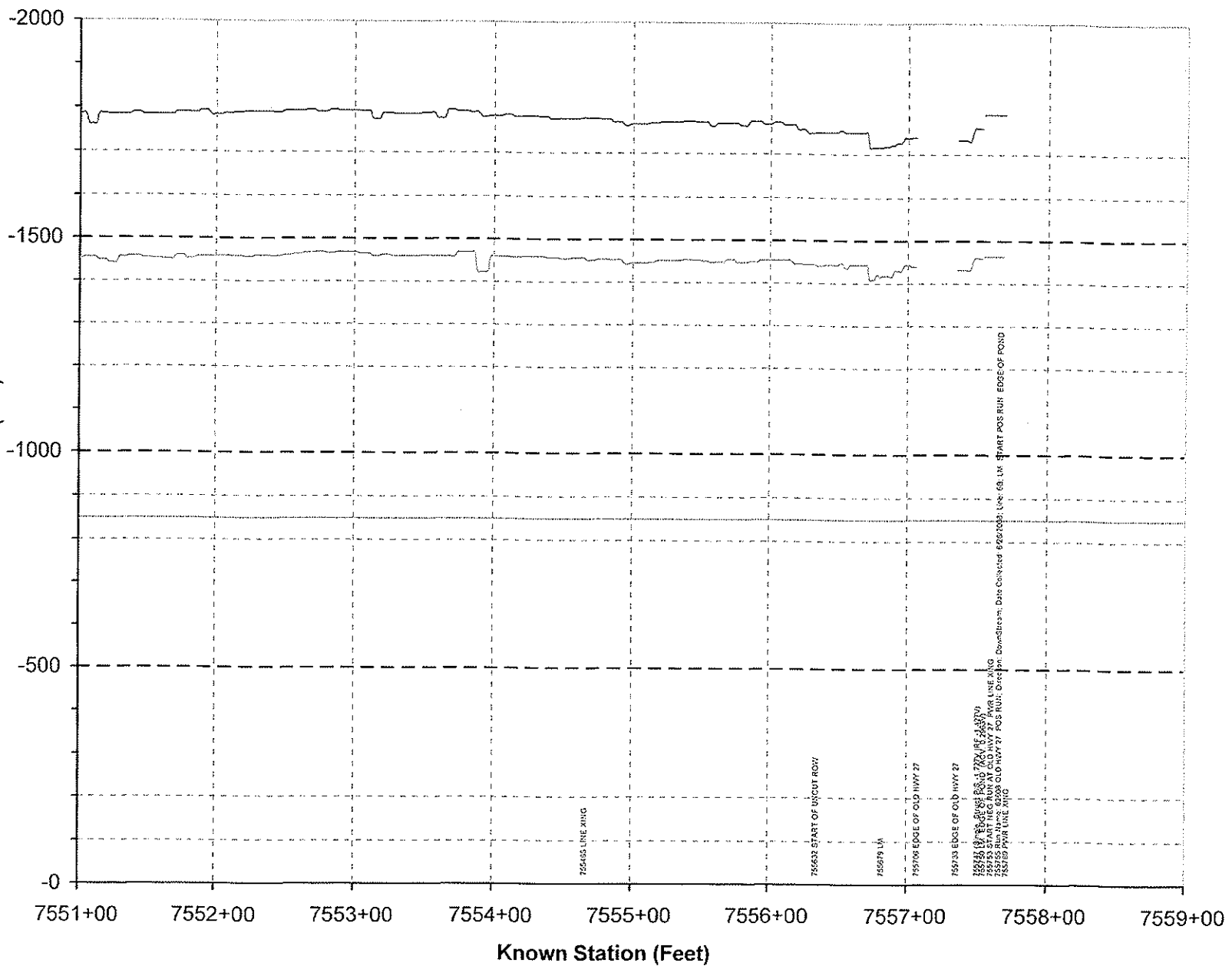




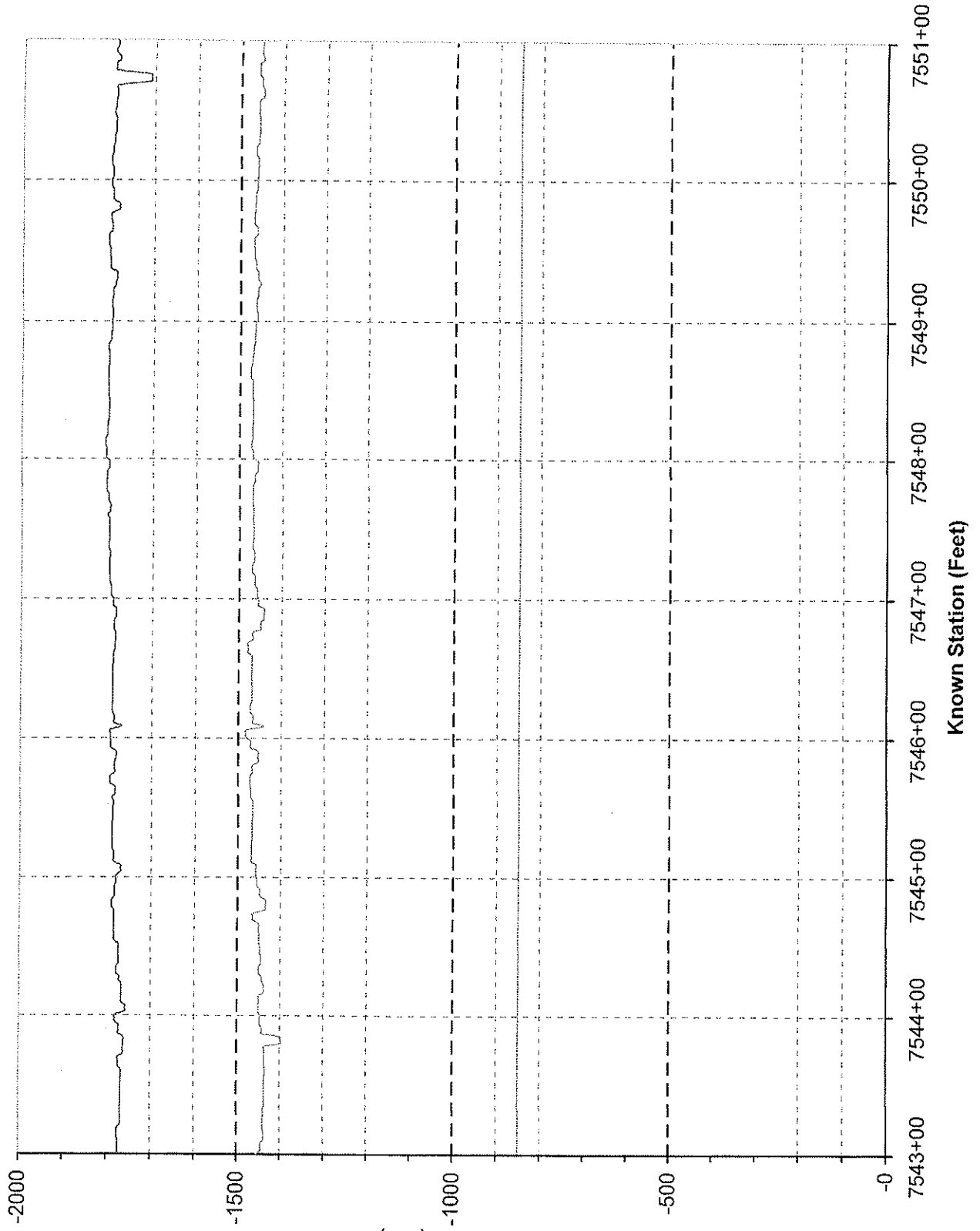




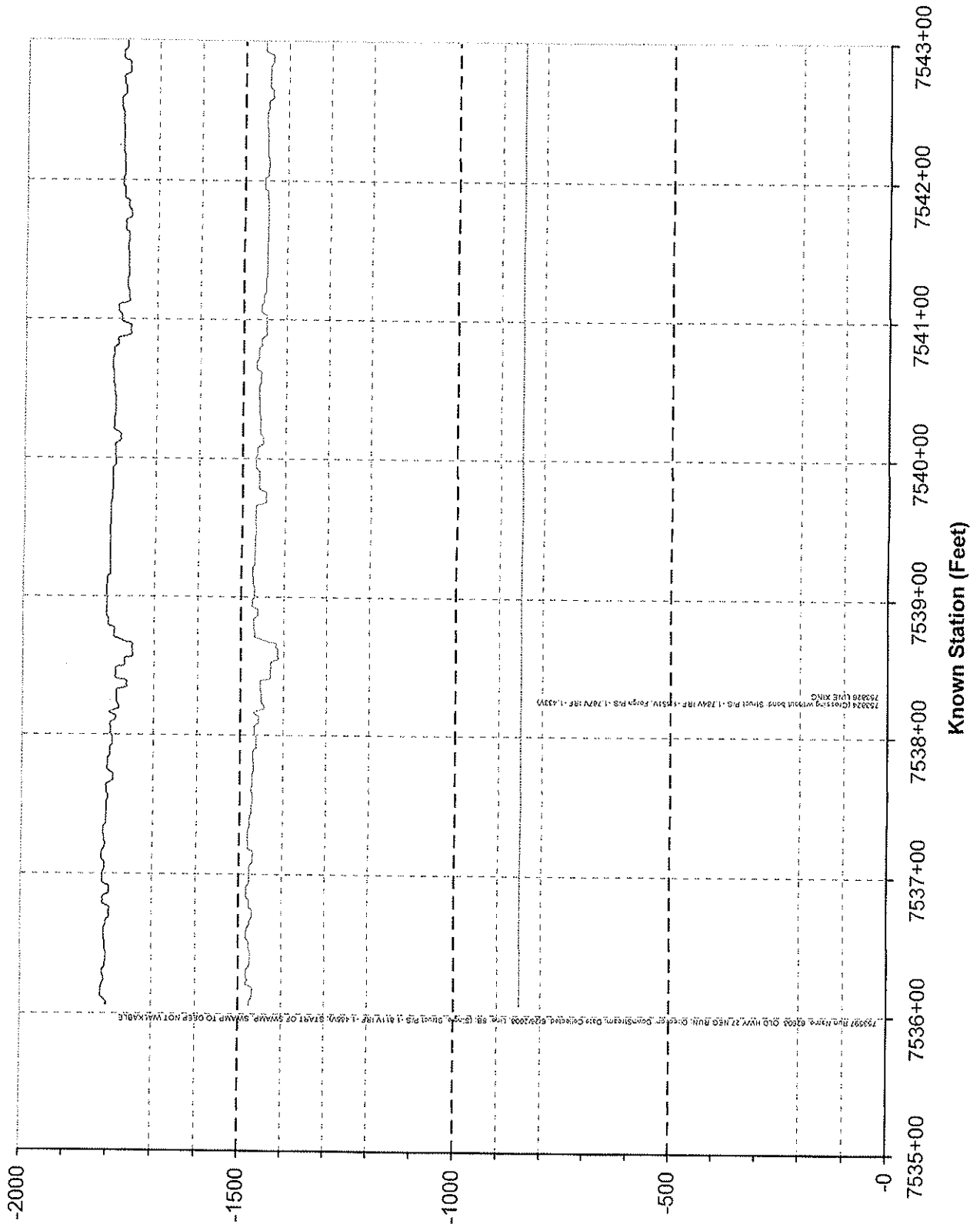
Close Interval Survey
Line 6B 30" Pipeline
Potential (mV)

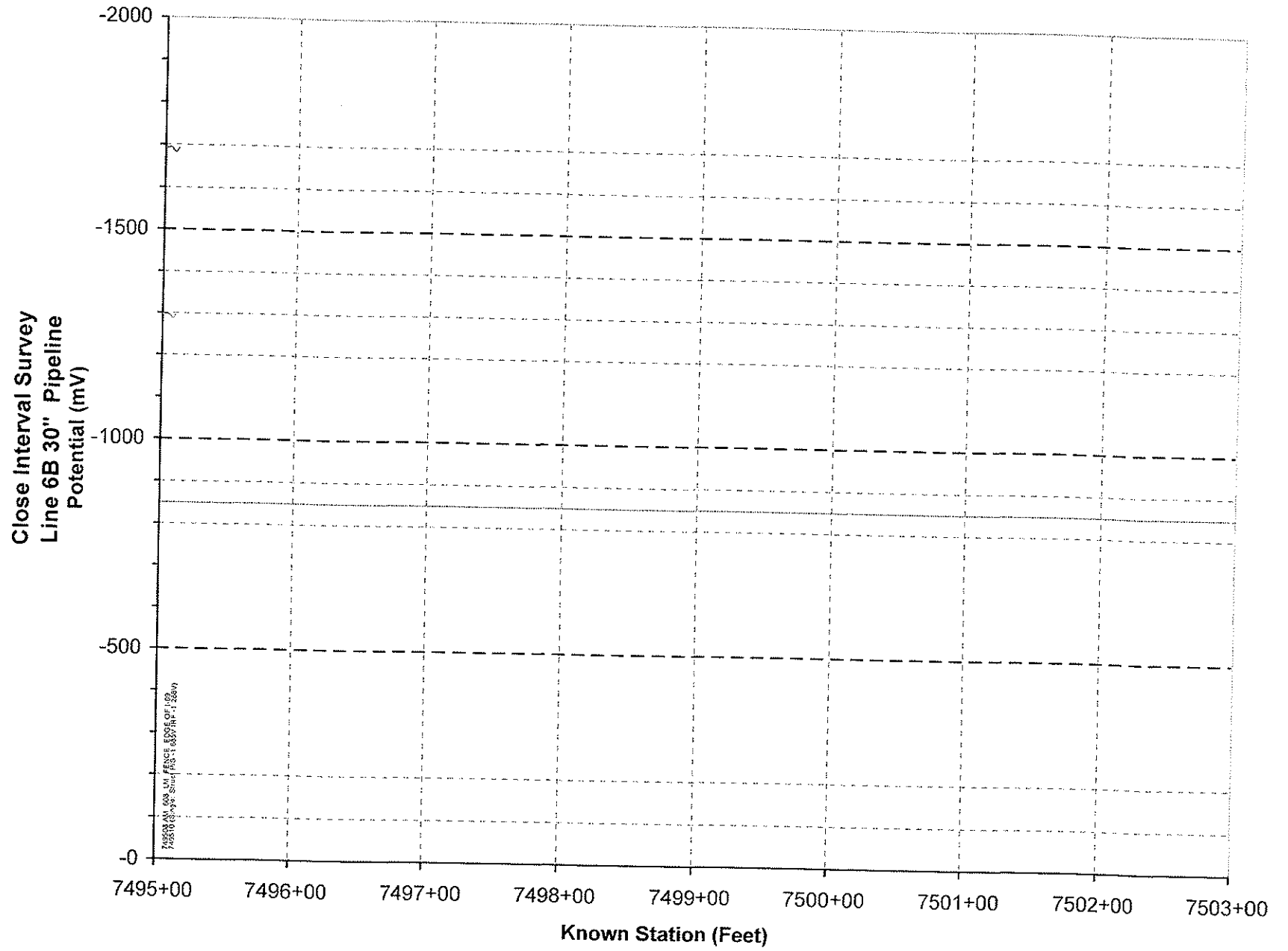


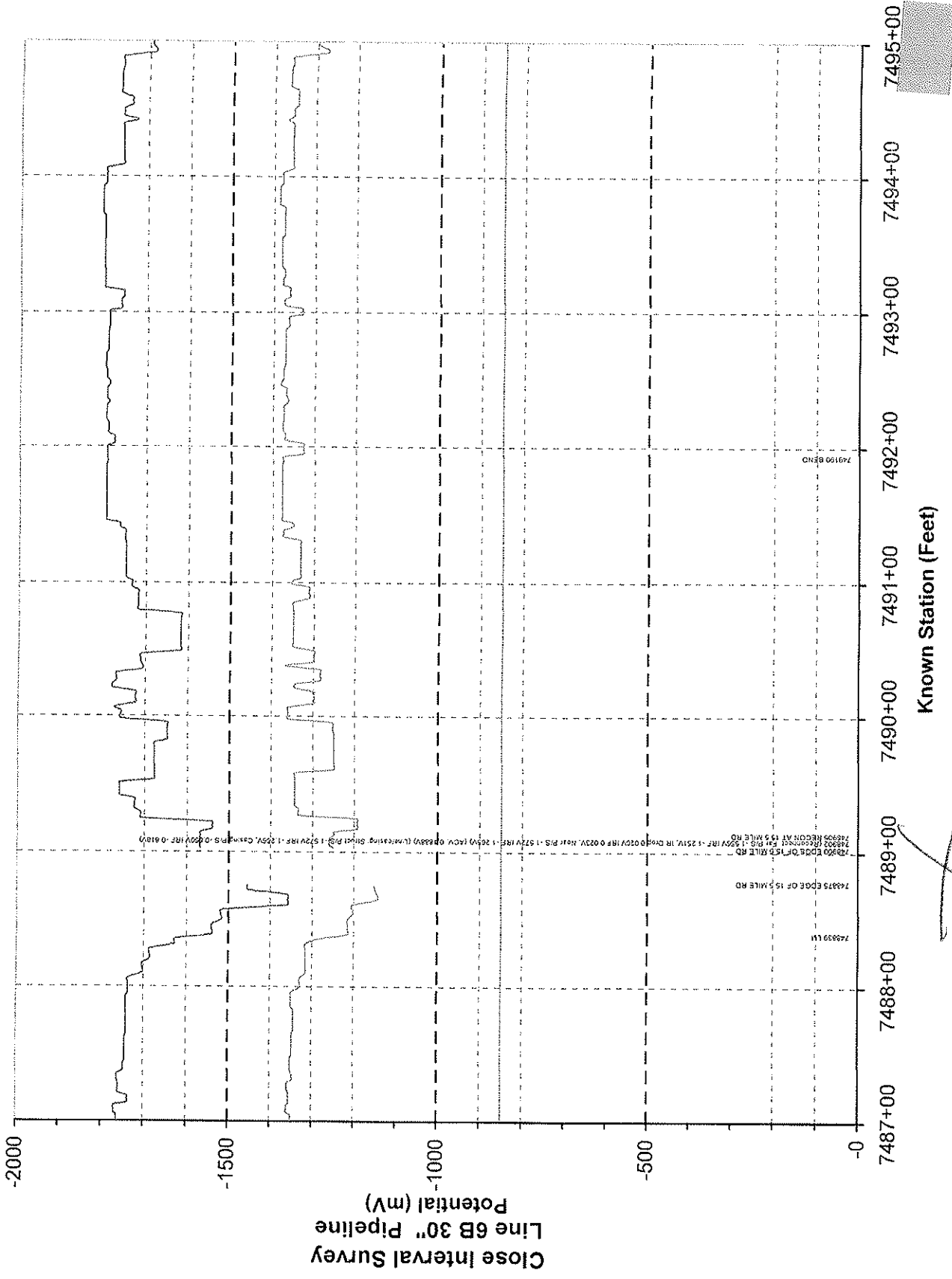
Close Interval Survey
Line 6B 30" Pipeline



Close Interval Survey
Line 6B 30" Pipeline







Known Station (Feet)

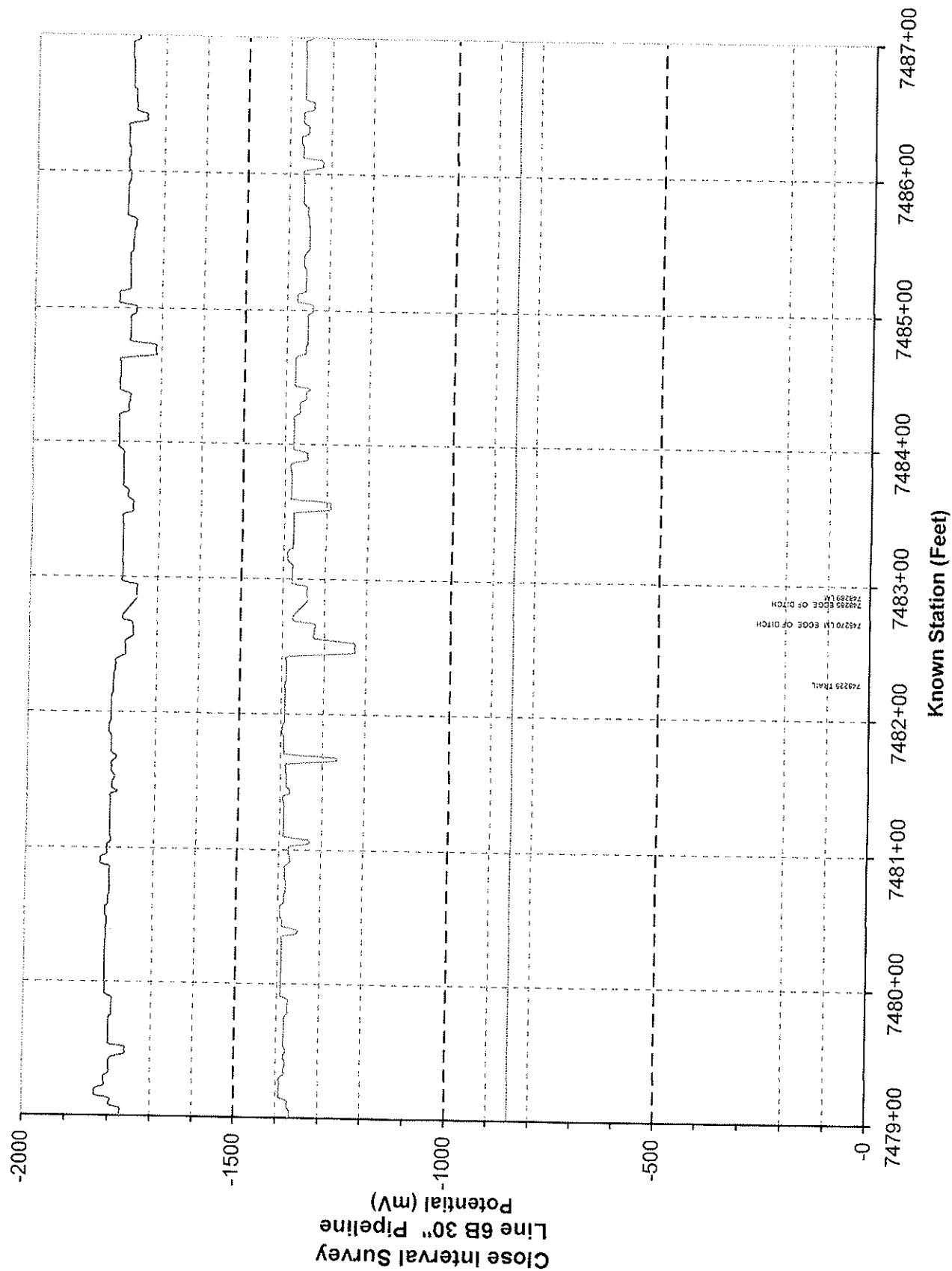
7487+00 7488+00 7489+00 7490+00 7491+00 7492+00 7493+00 7494+00 7495+00

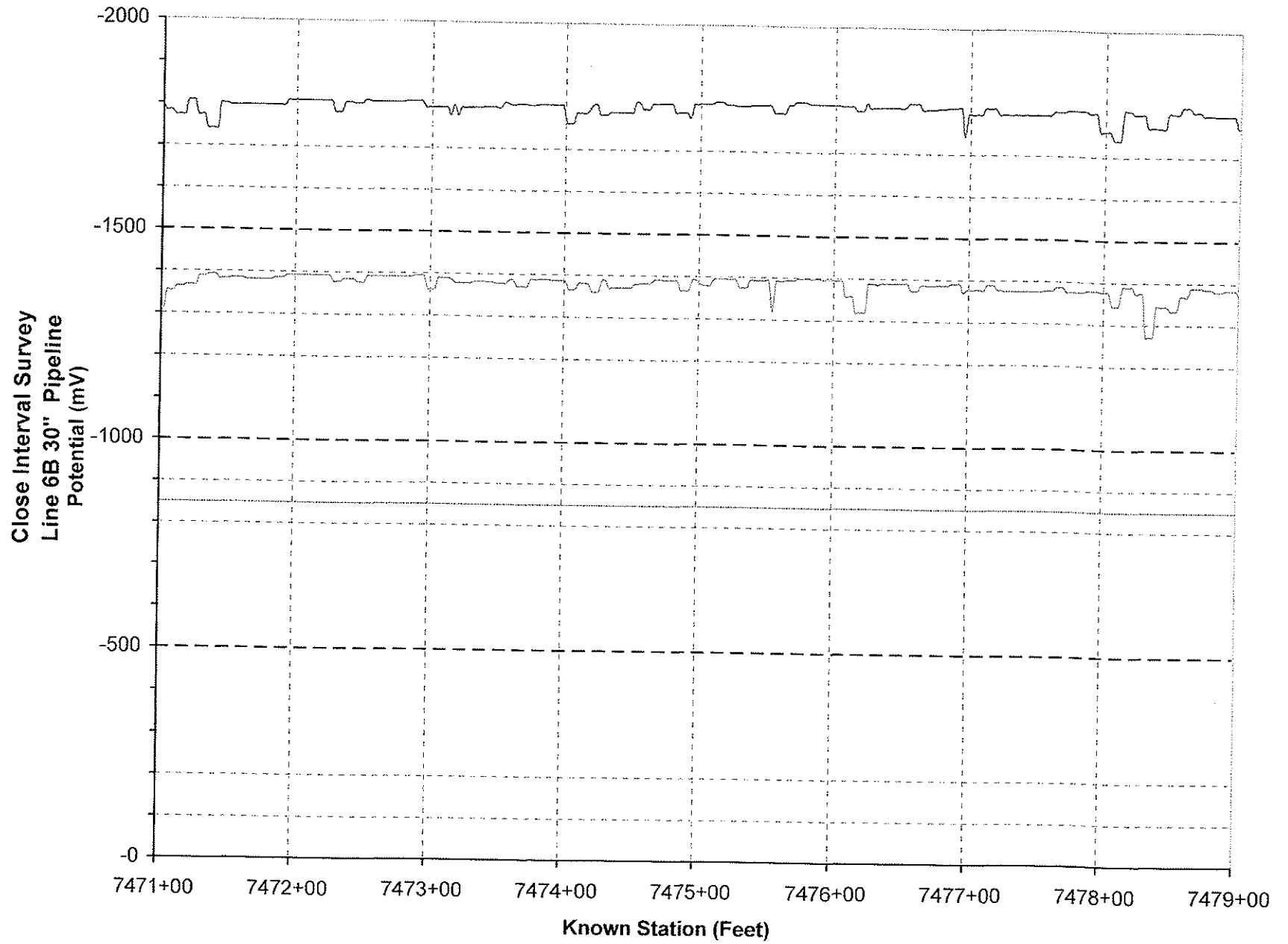
Potential (mV)

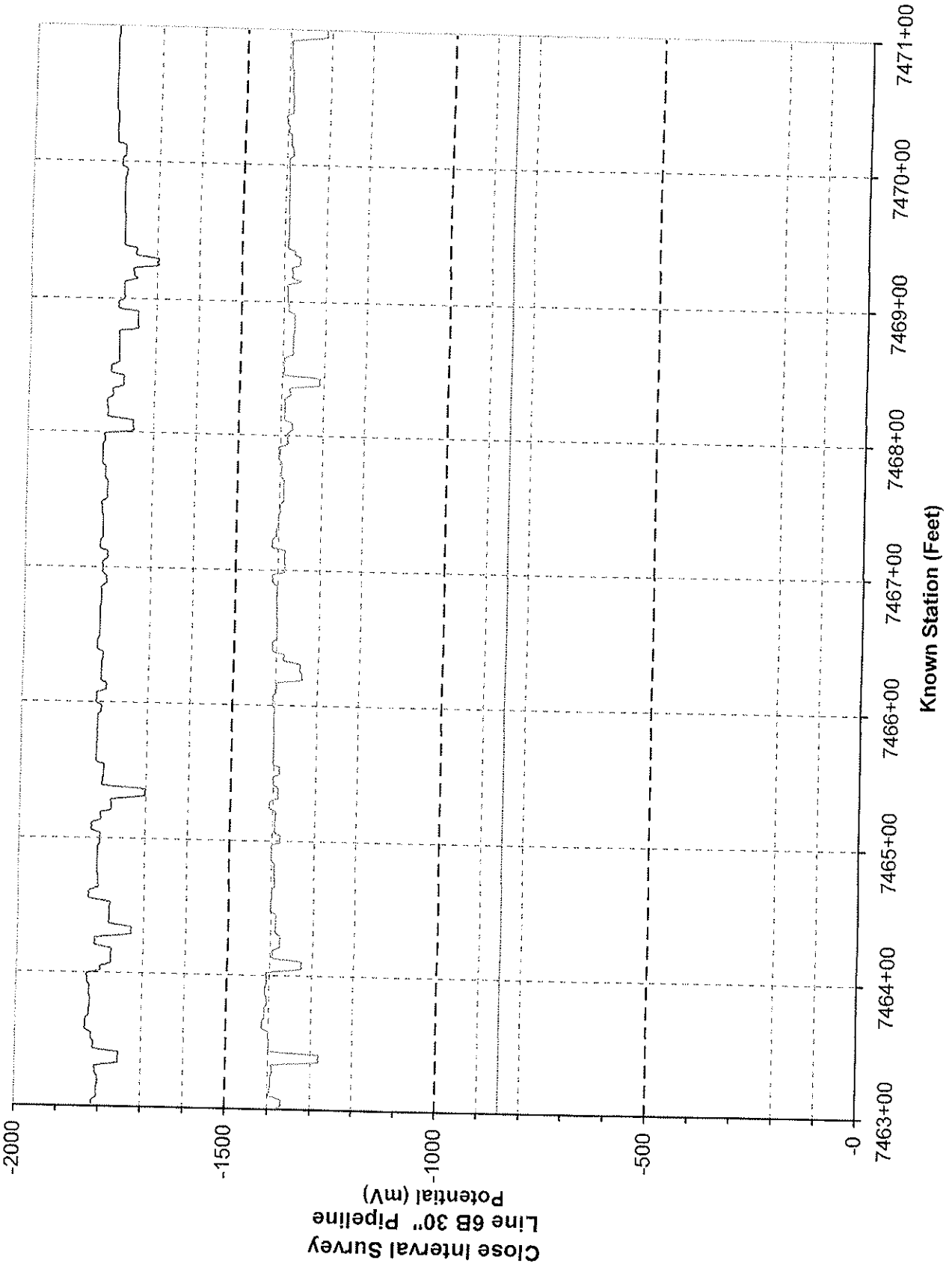
748899 LM
 748975 EPOC OF 15.5 MILE RD
 748900 EPOC OF 15.5 MILE RD
 748902 (666000) EPOC OF 15.5 MILE RD
 748905 RECORD AT 15.5 MILE RD

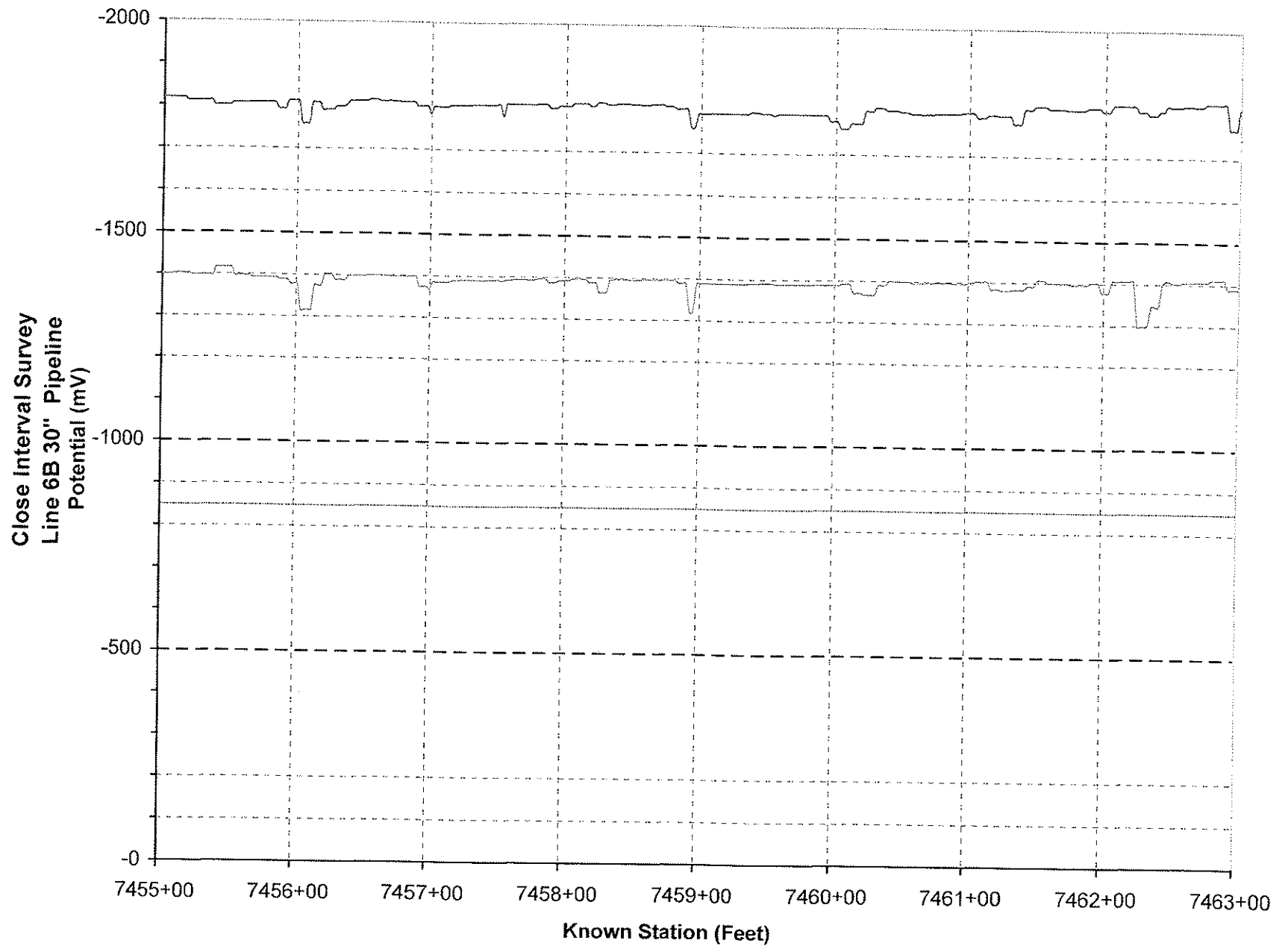
749190 ENO

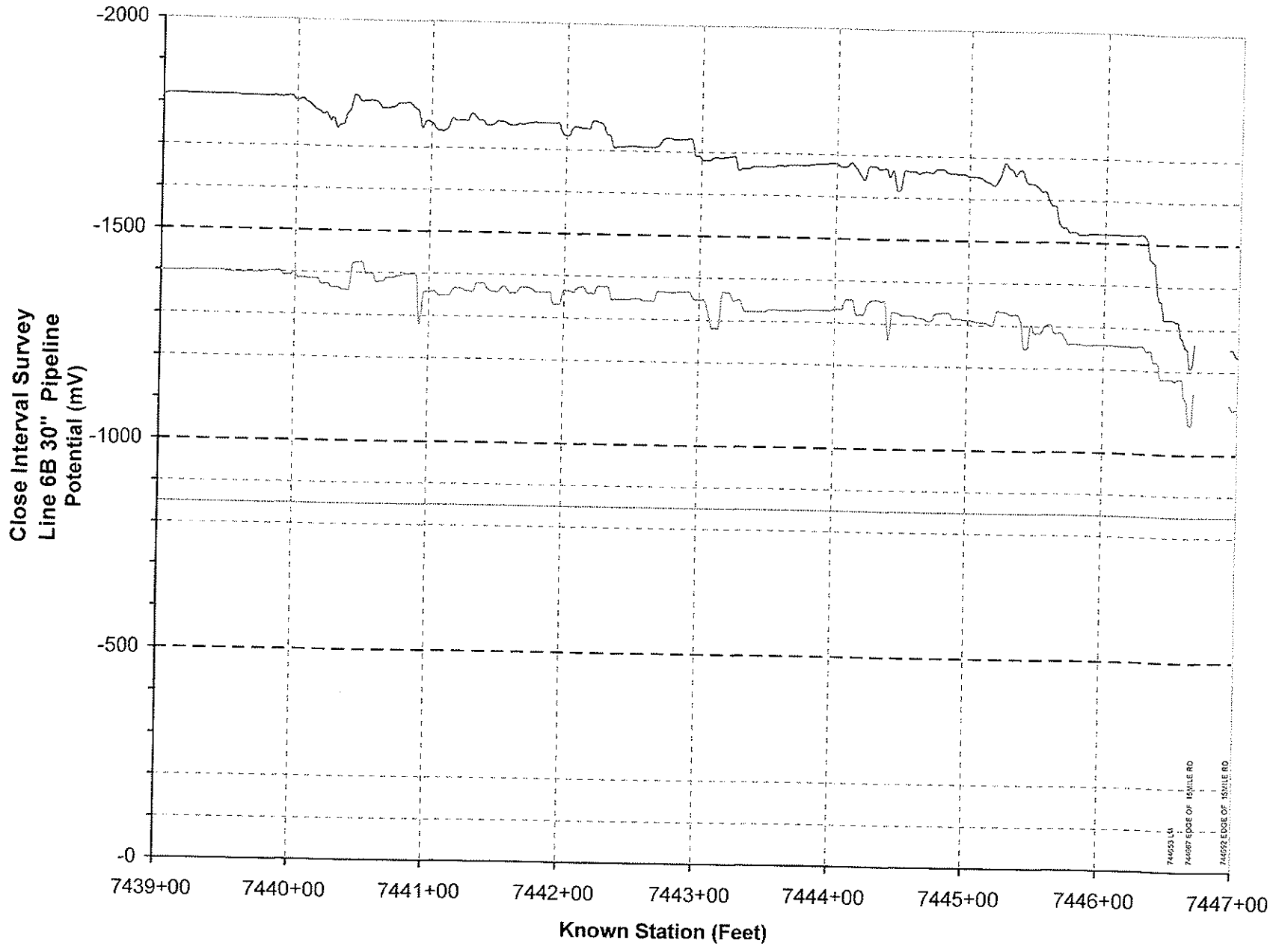


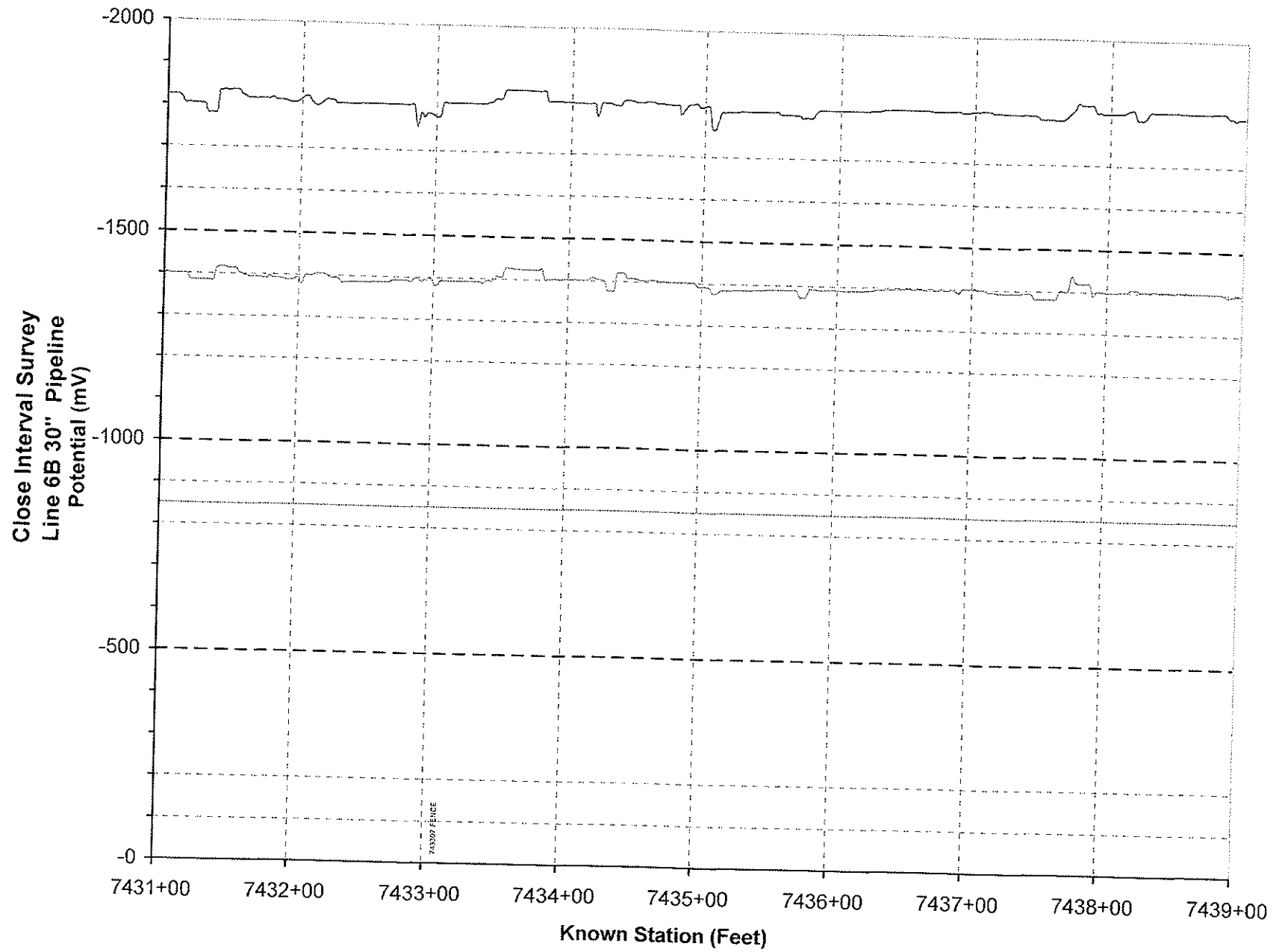


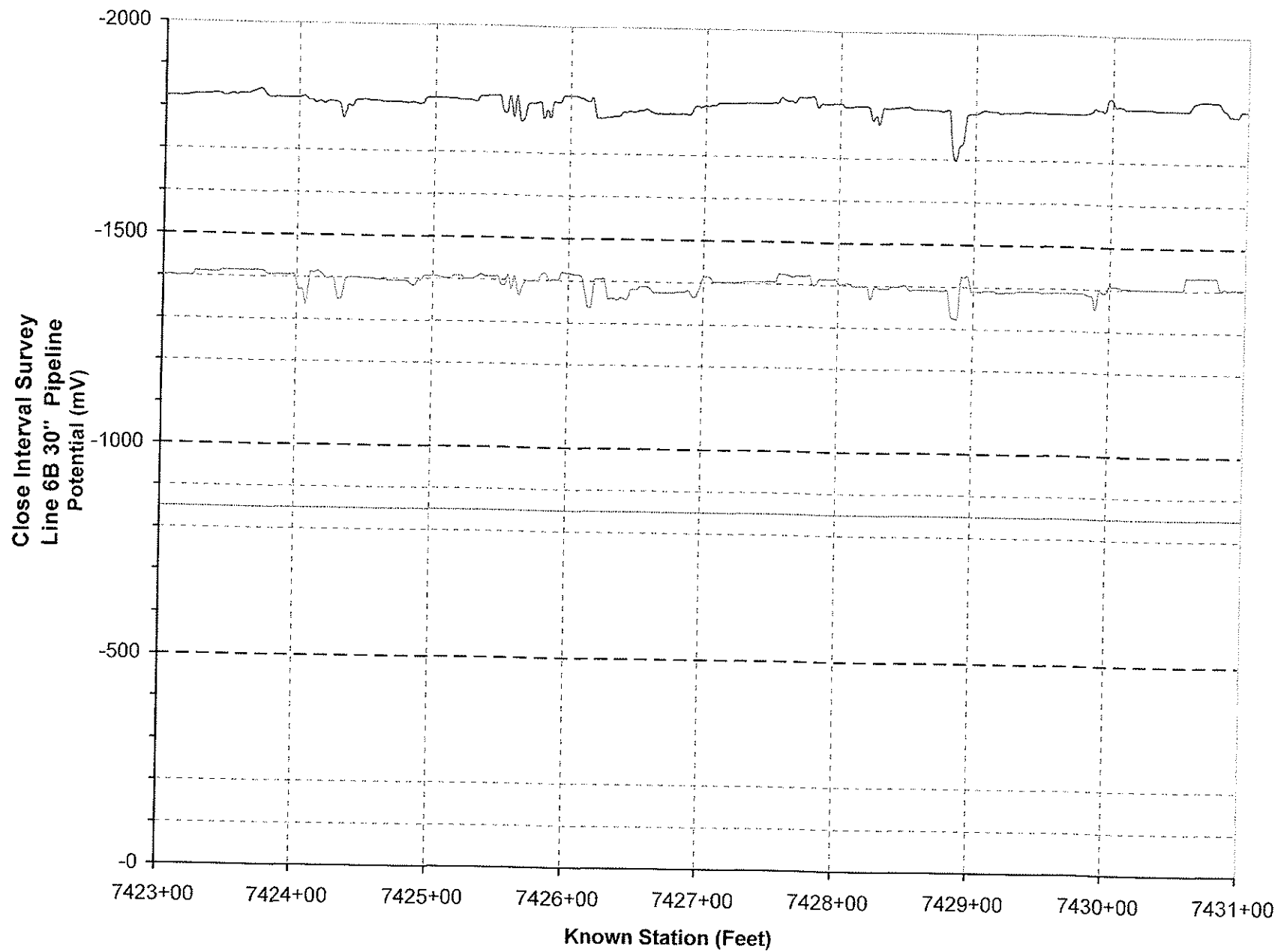


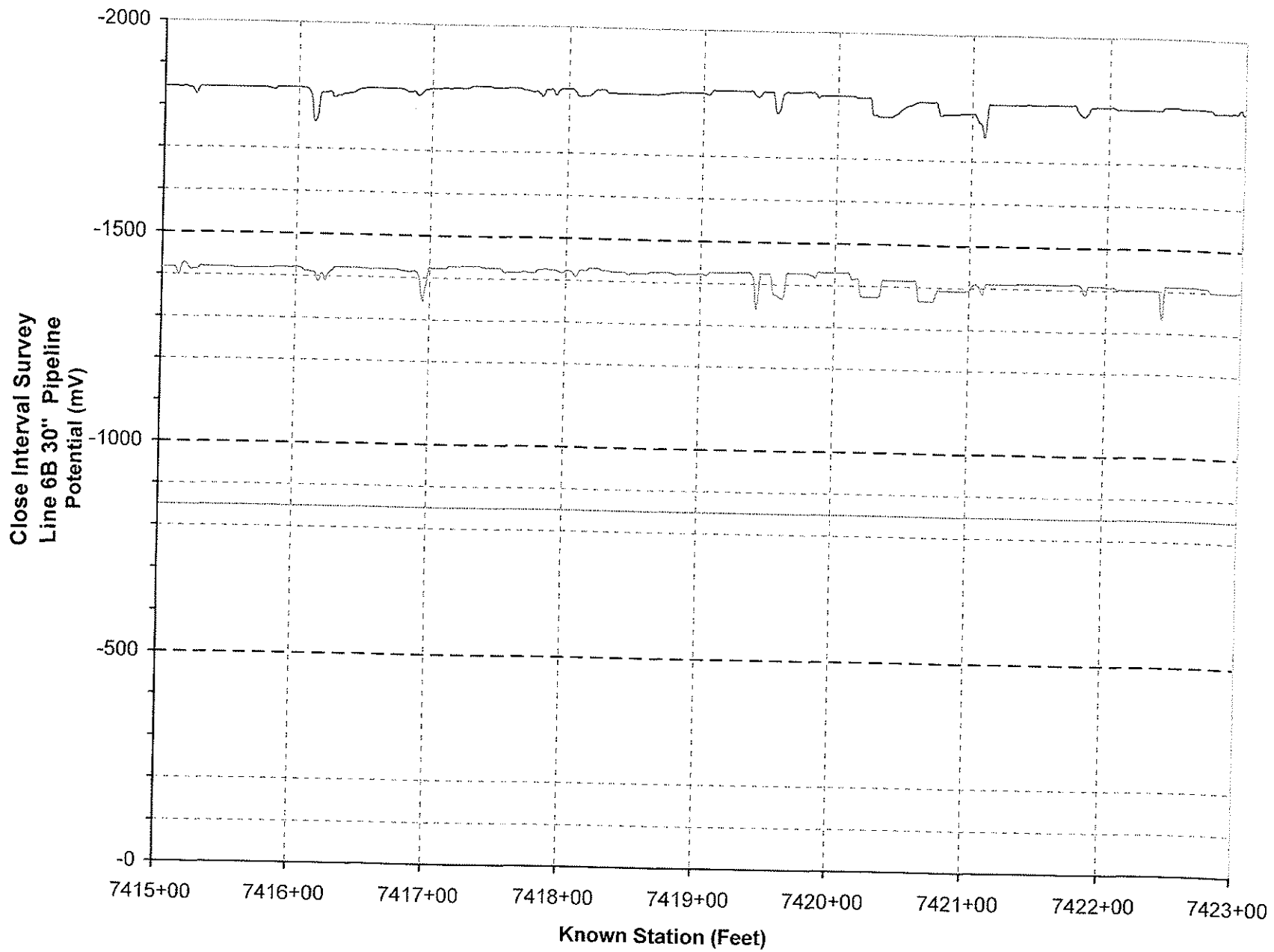


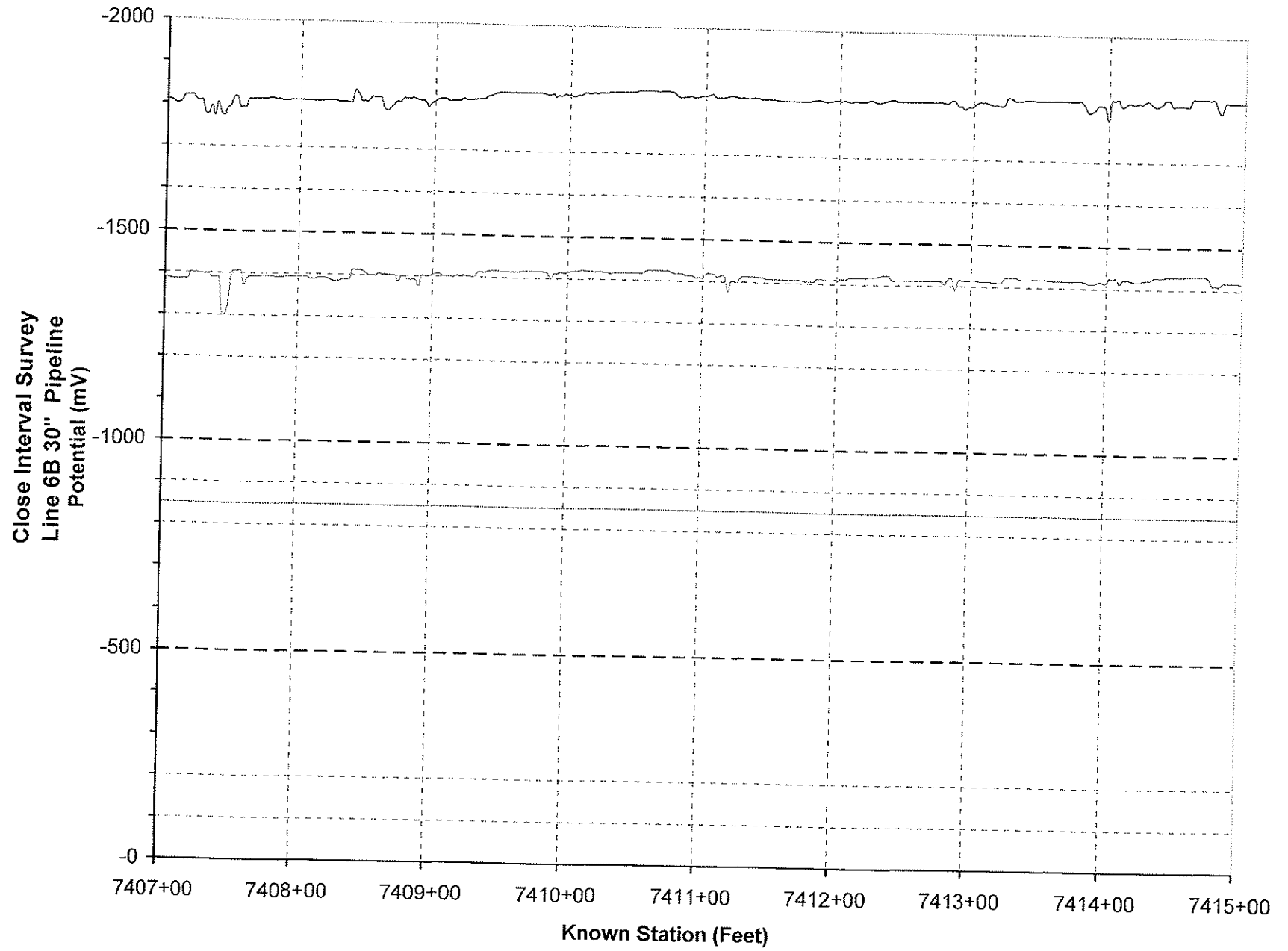


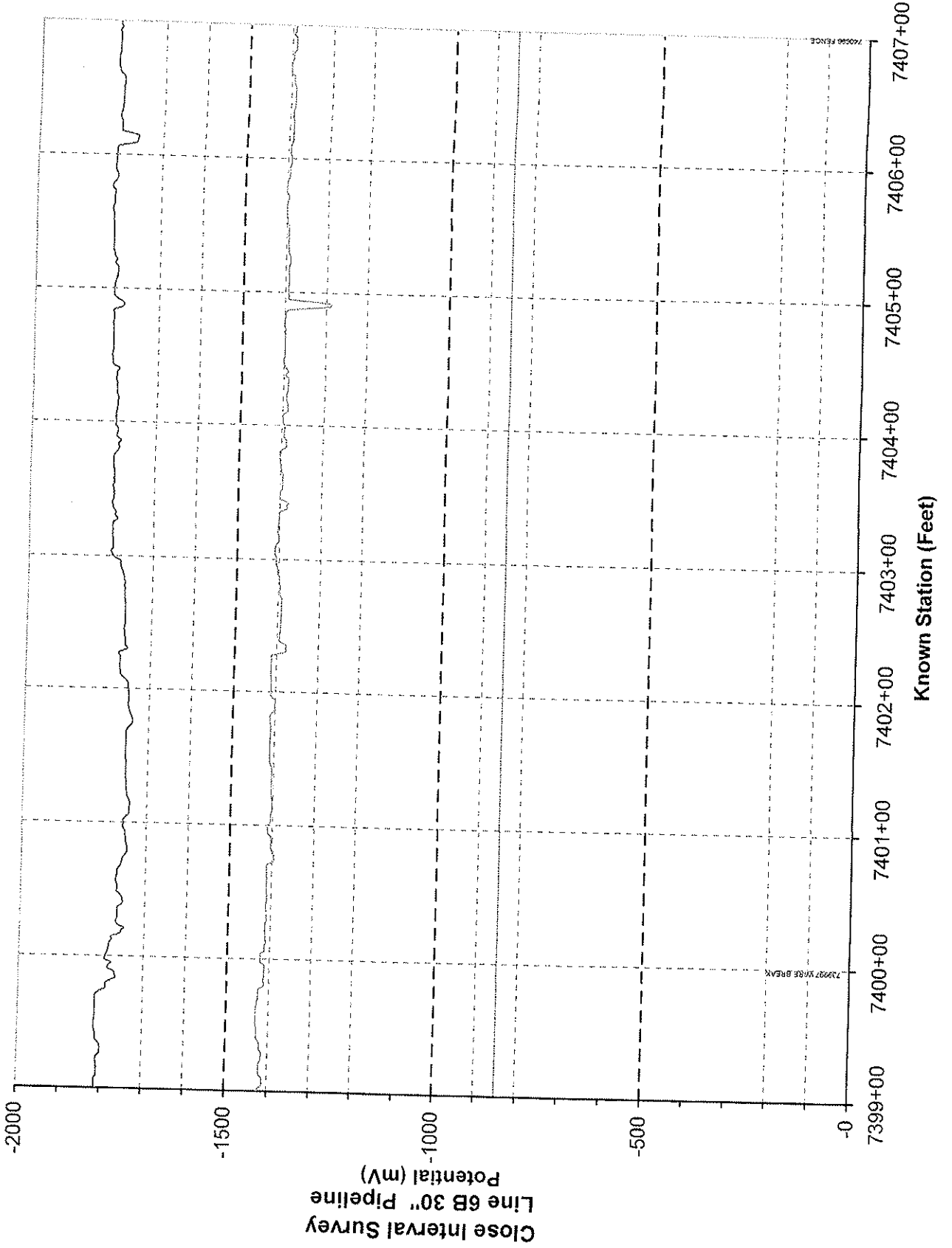


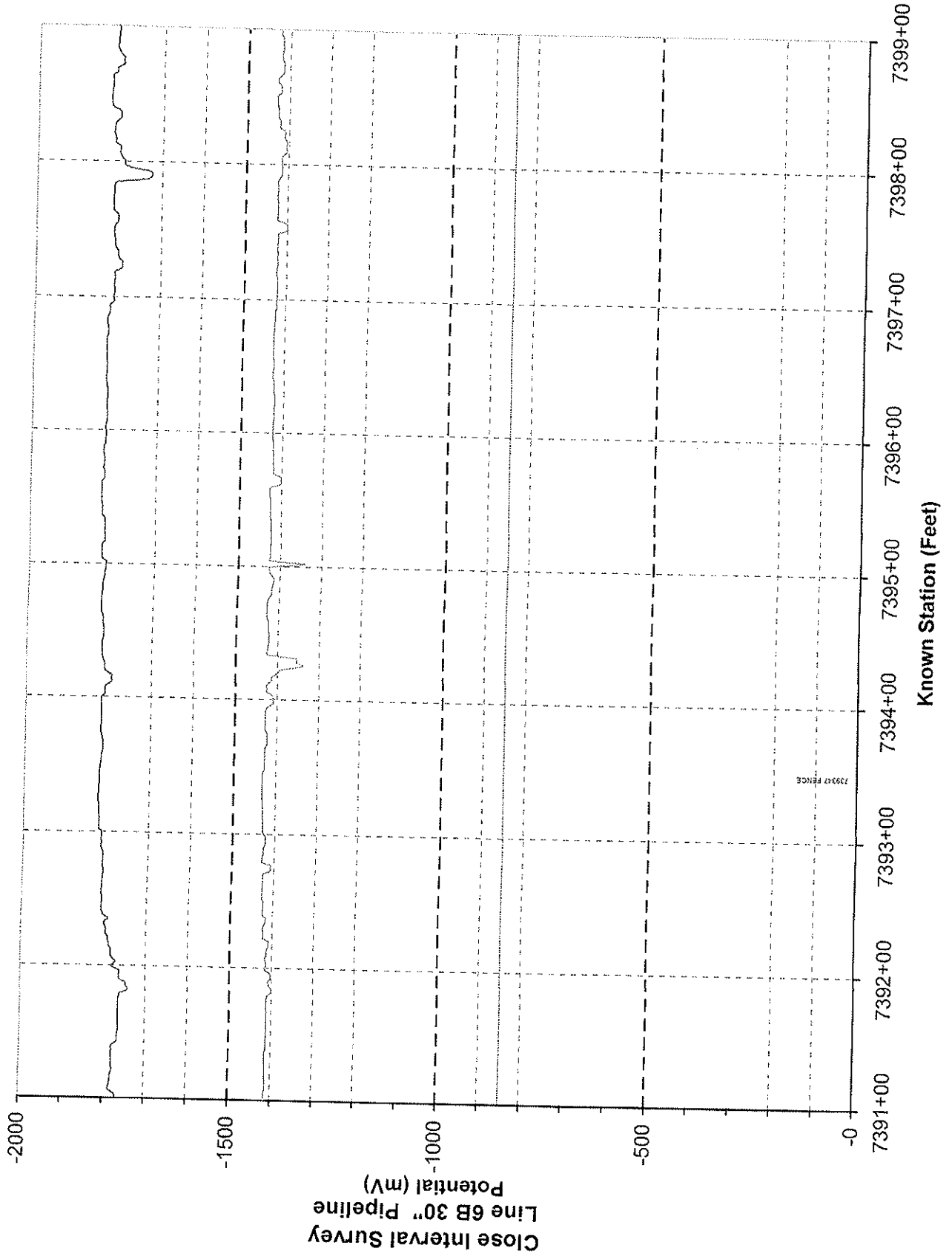


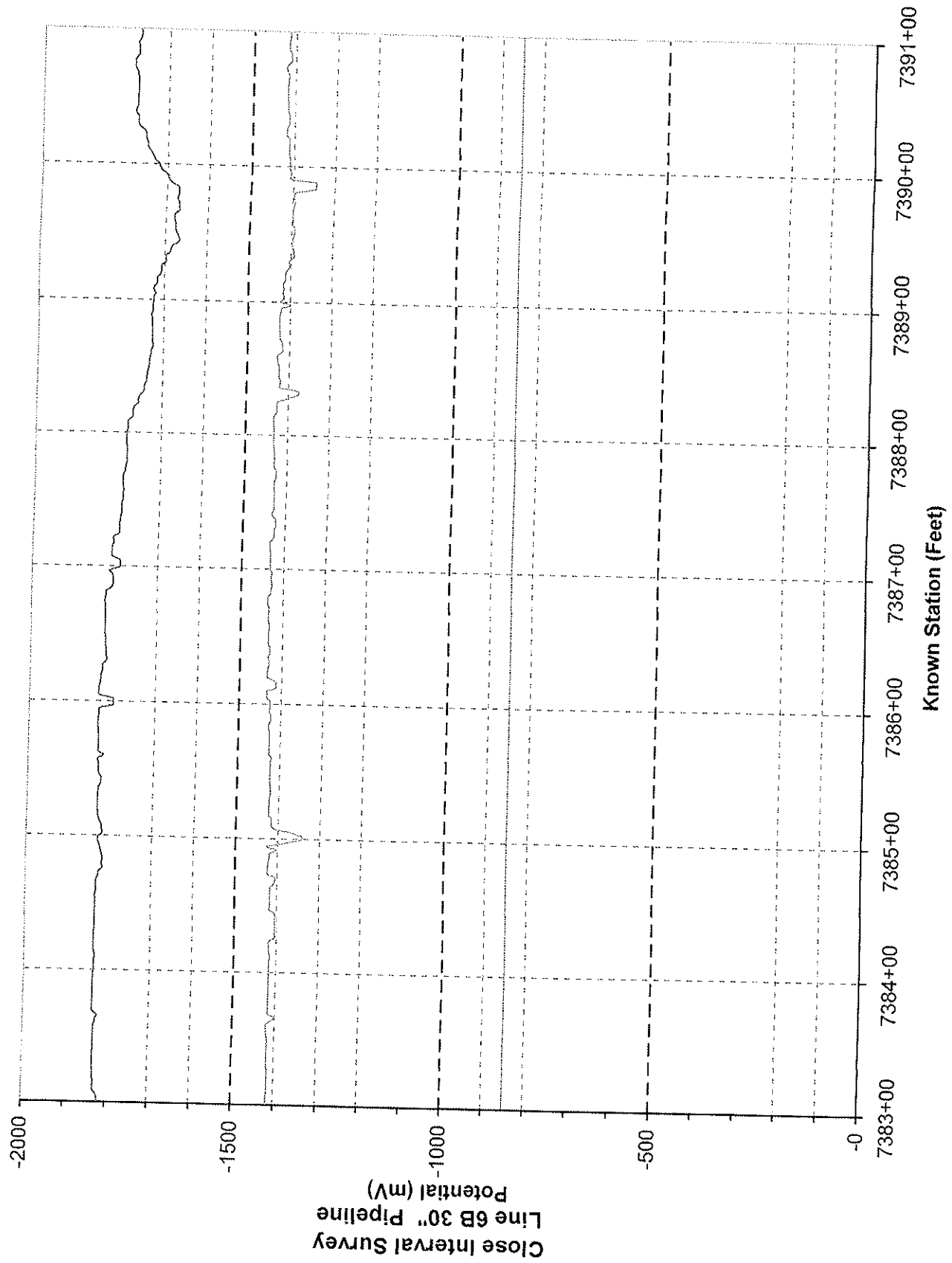


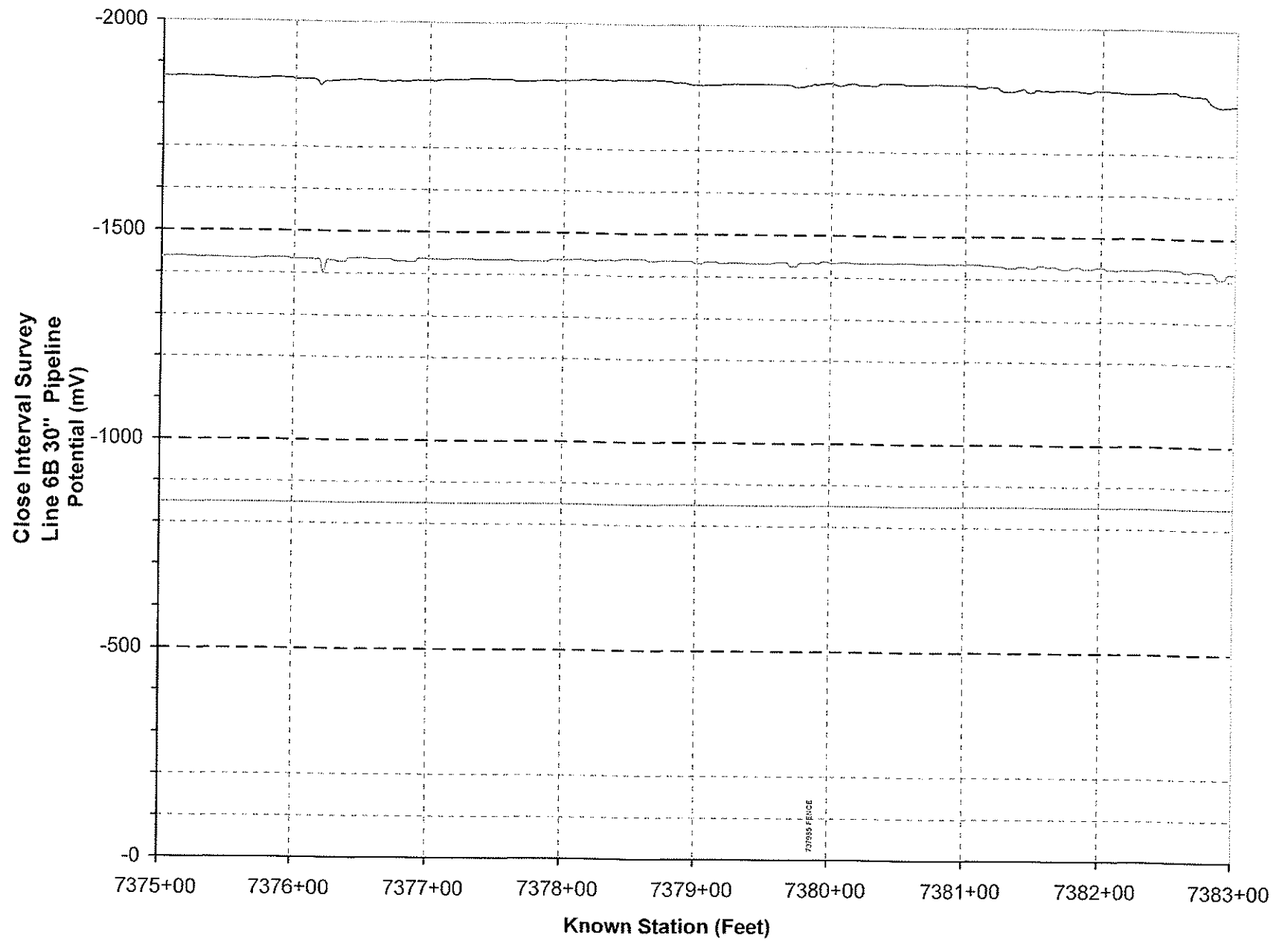


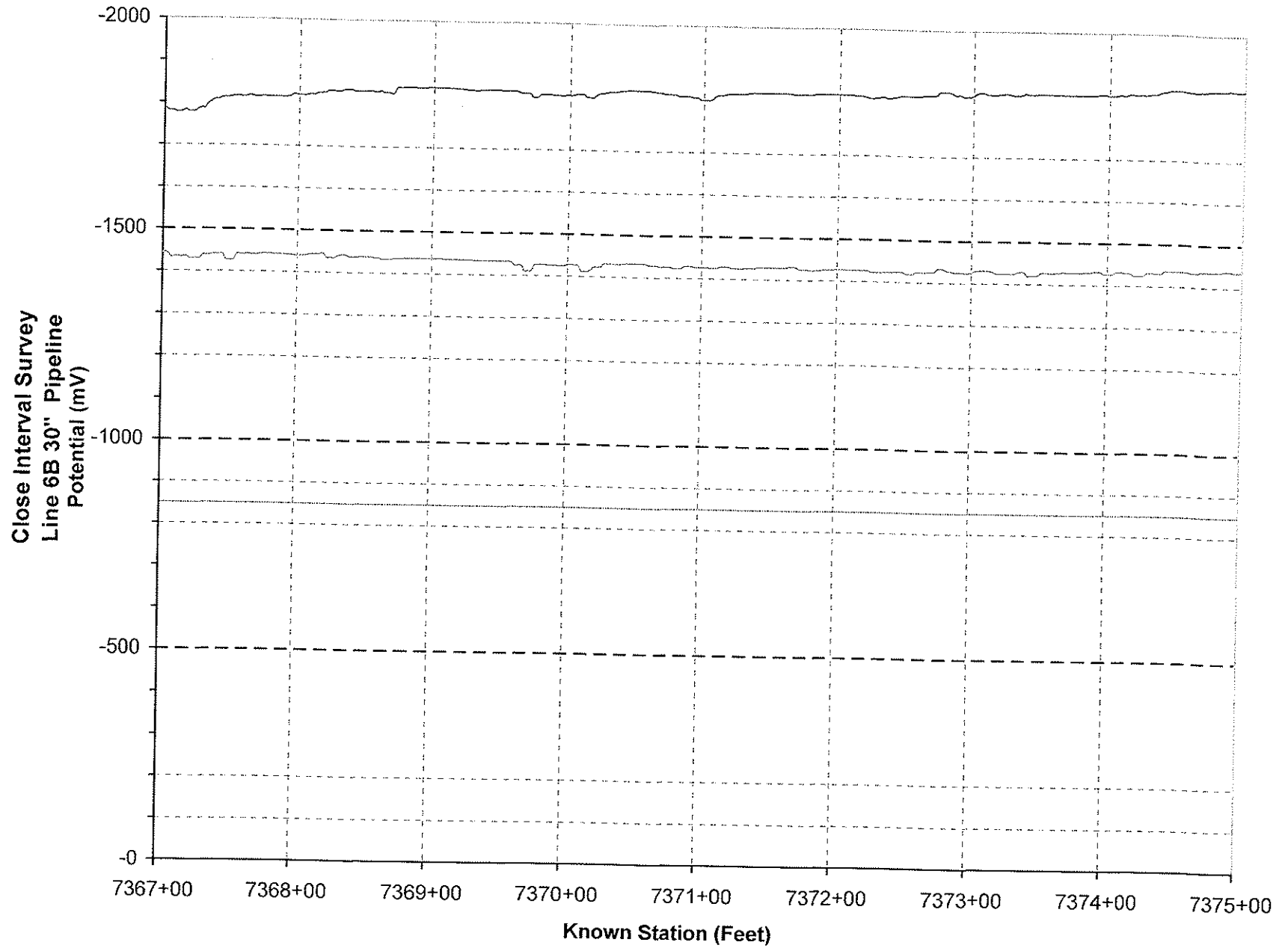




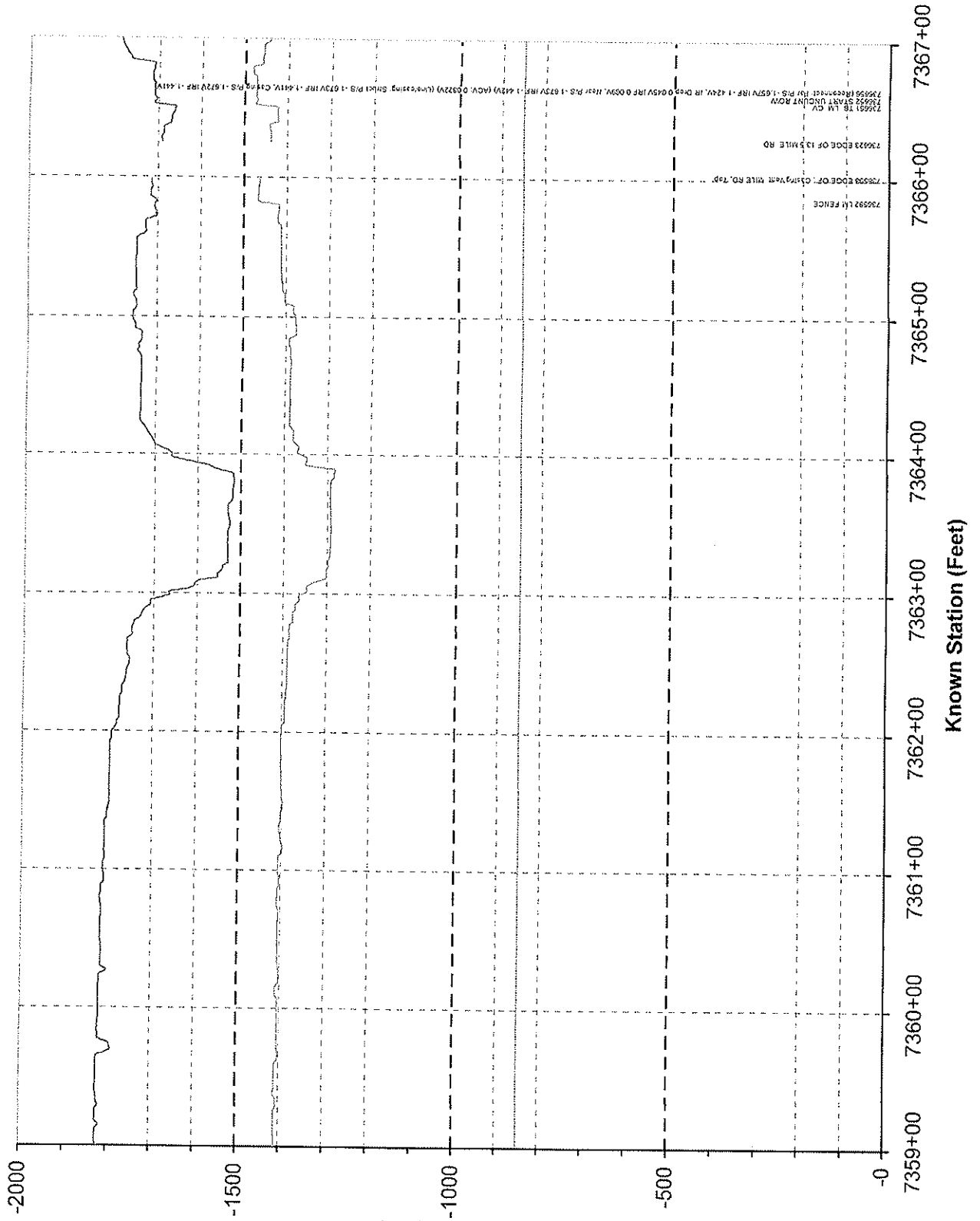








Close Interval Survey
Line 6B 30" Pipeline



Close Interval Survey
Line 6B 30" Pipeline

