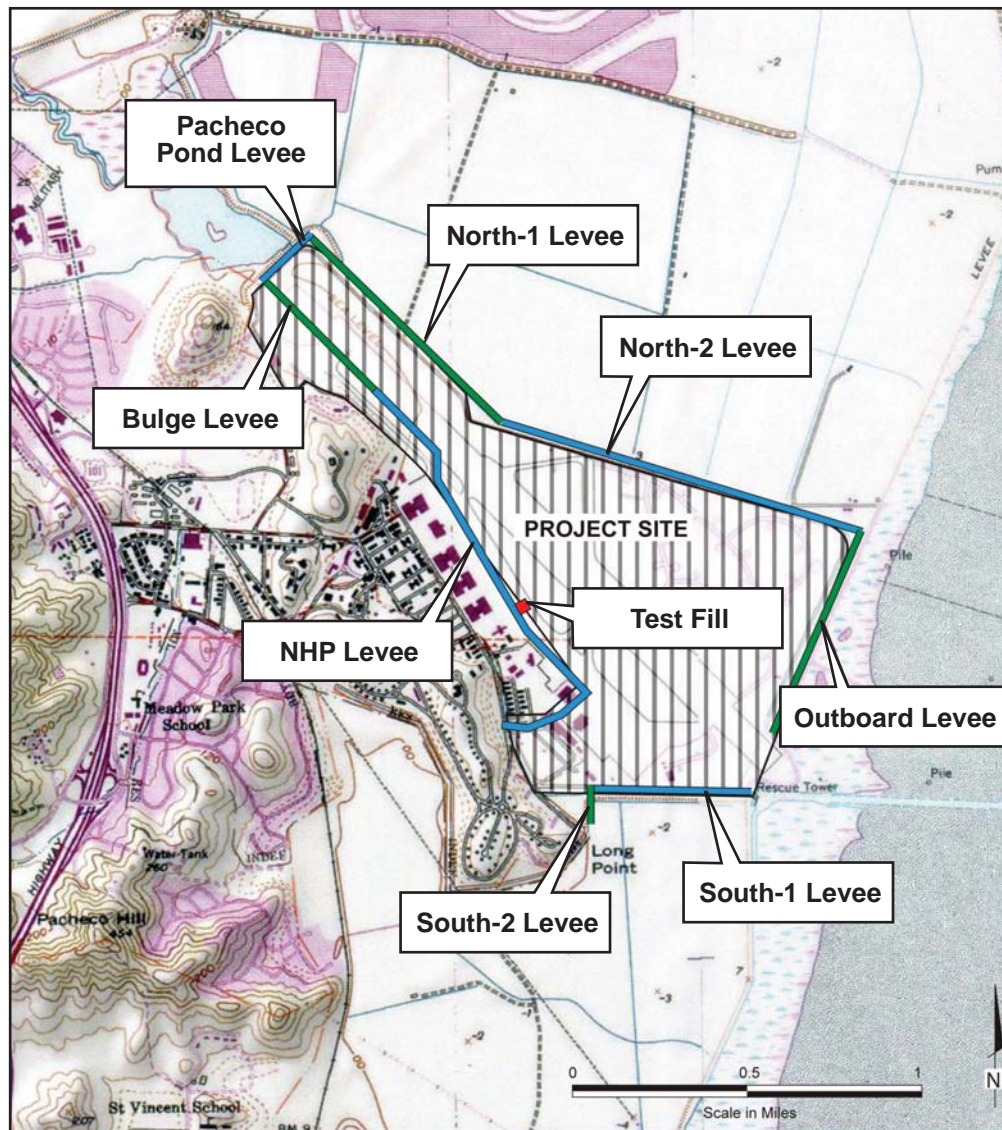


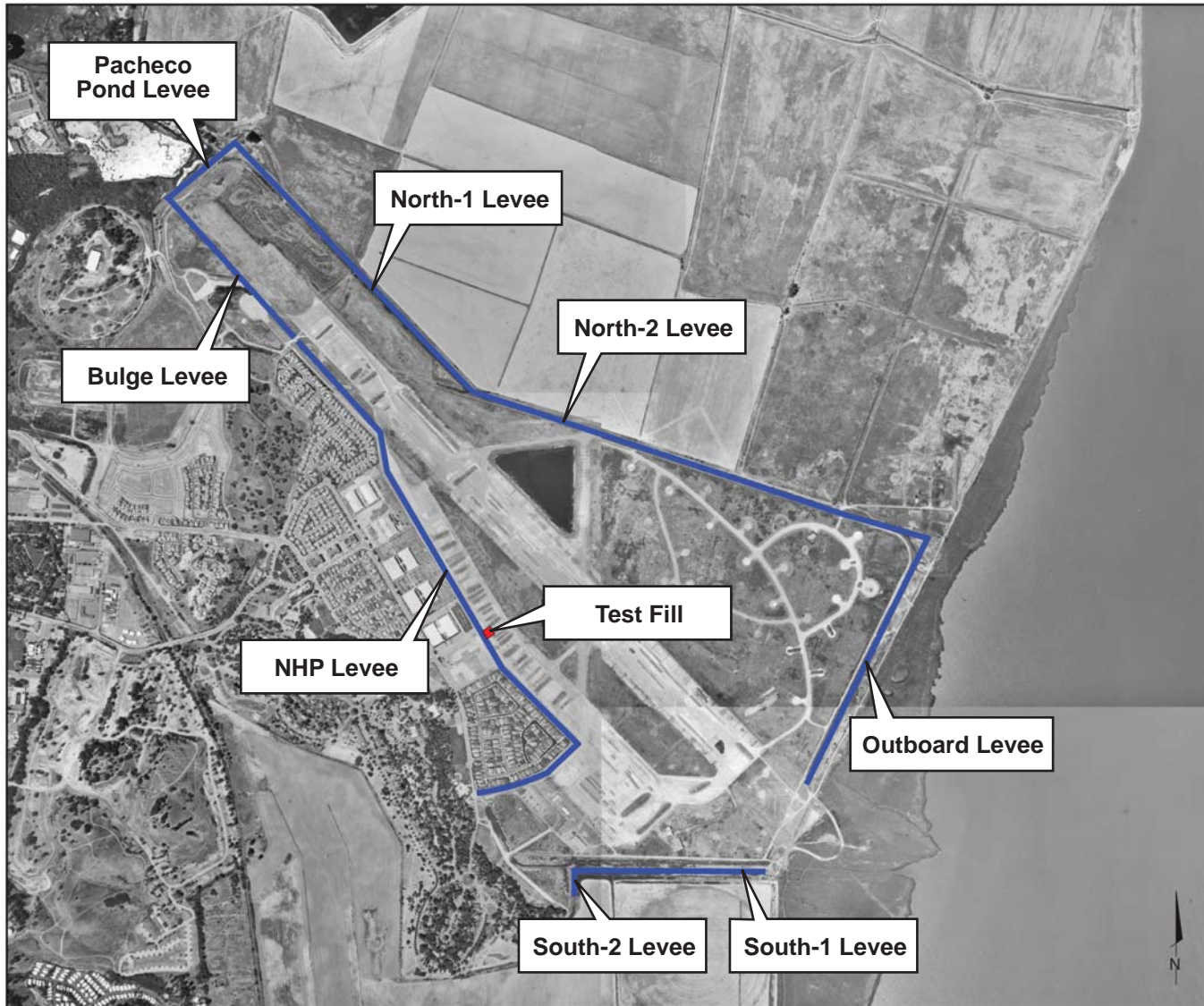
The image depicts a cross-section of a soil layer. A central horizontal band is filled with a teal color and contains the text "Test Fill" in white. This band is flanked by two larger, light beige areas that represent the surrounding soil. The entire diagram is enclosed within a thin black rectangular border.

Test Fill

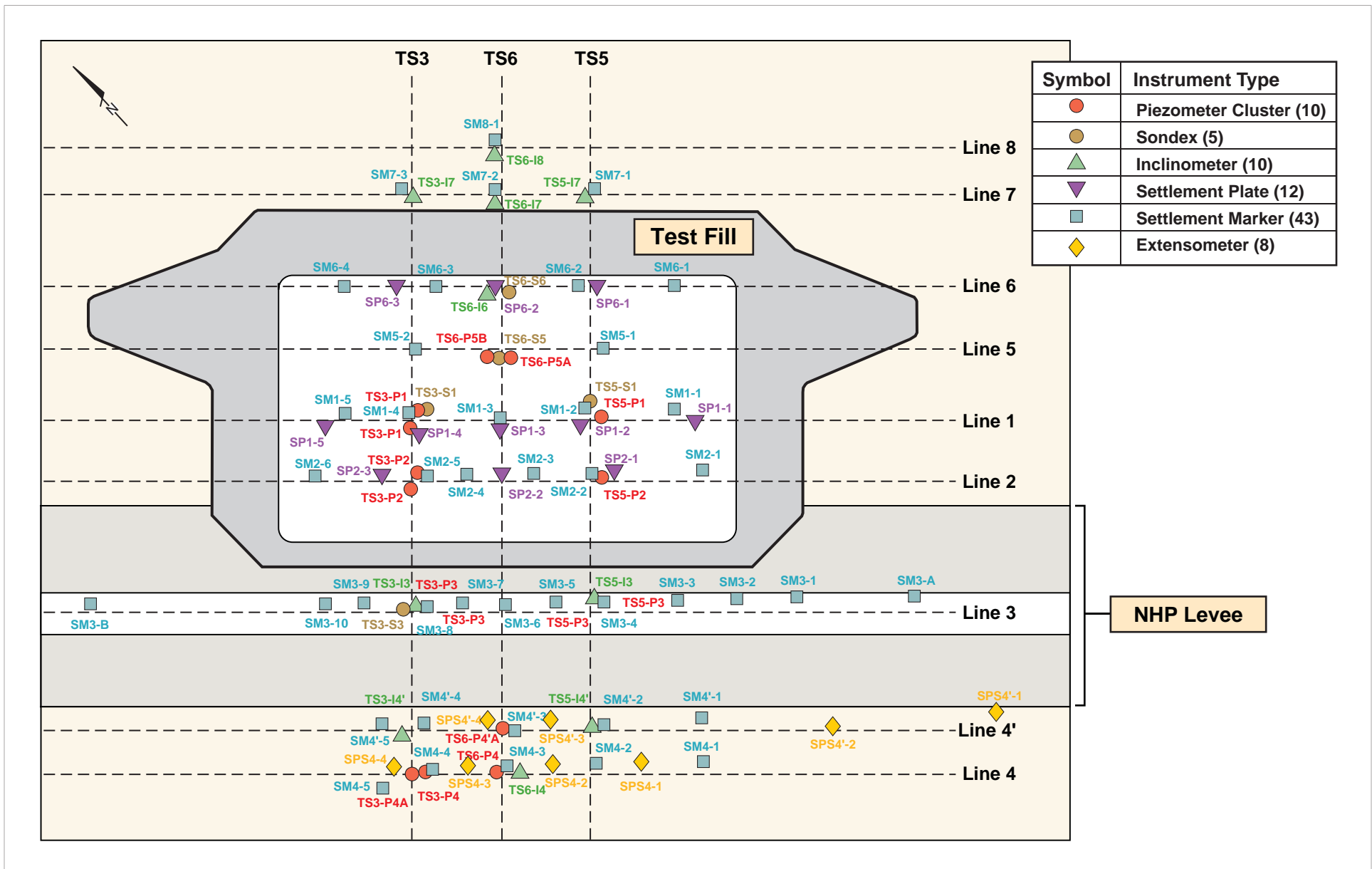
FIG_146: Title



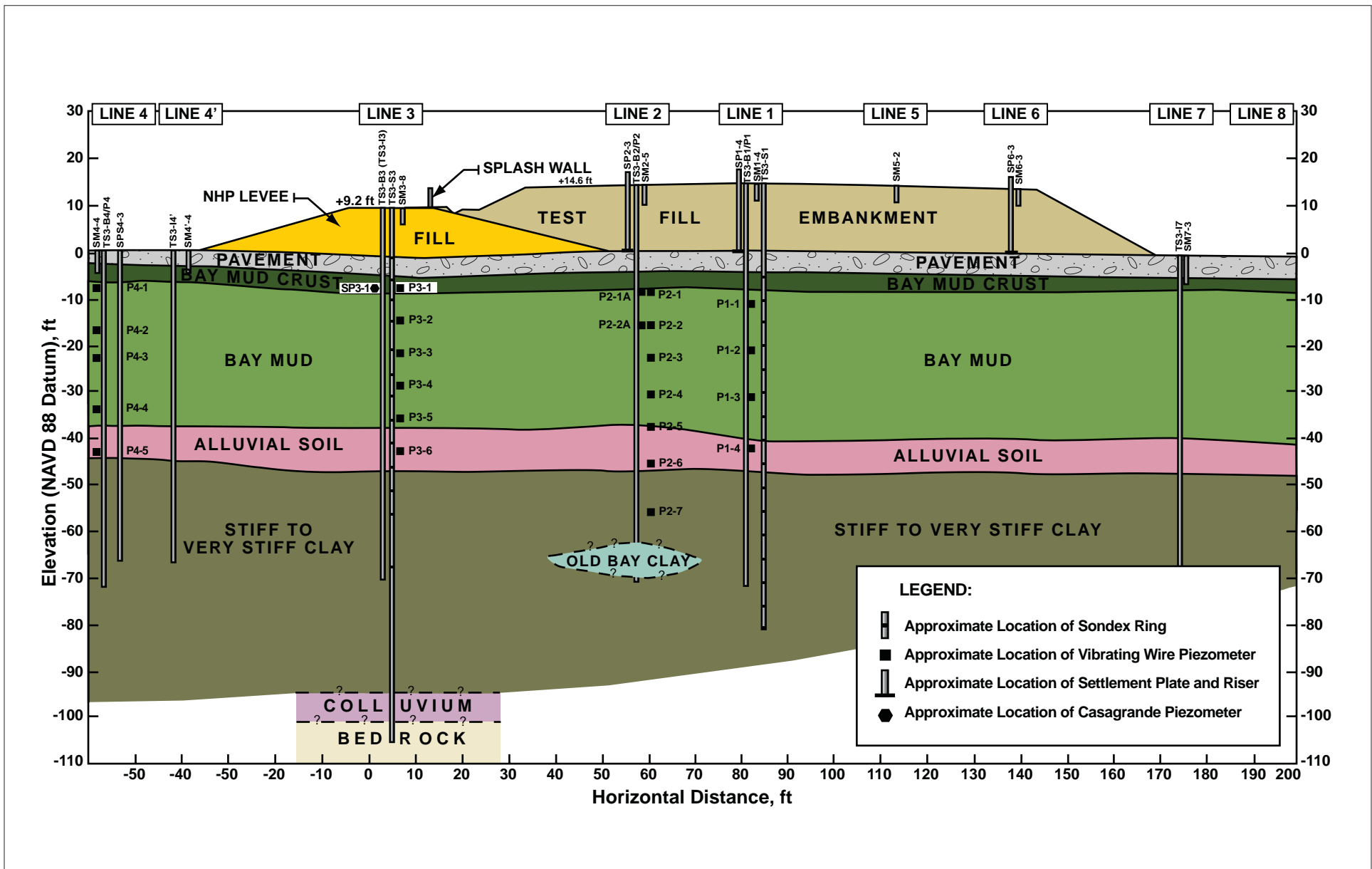
FIG_146A: Hamilton Field Site and Vicinity



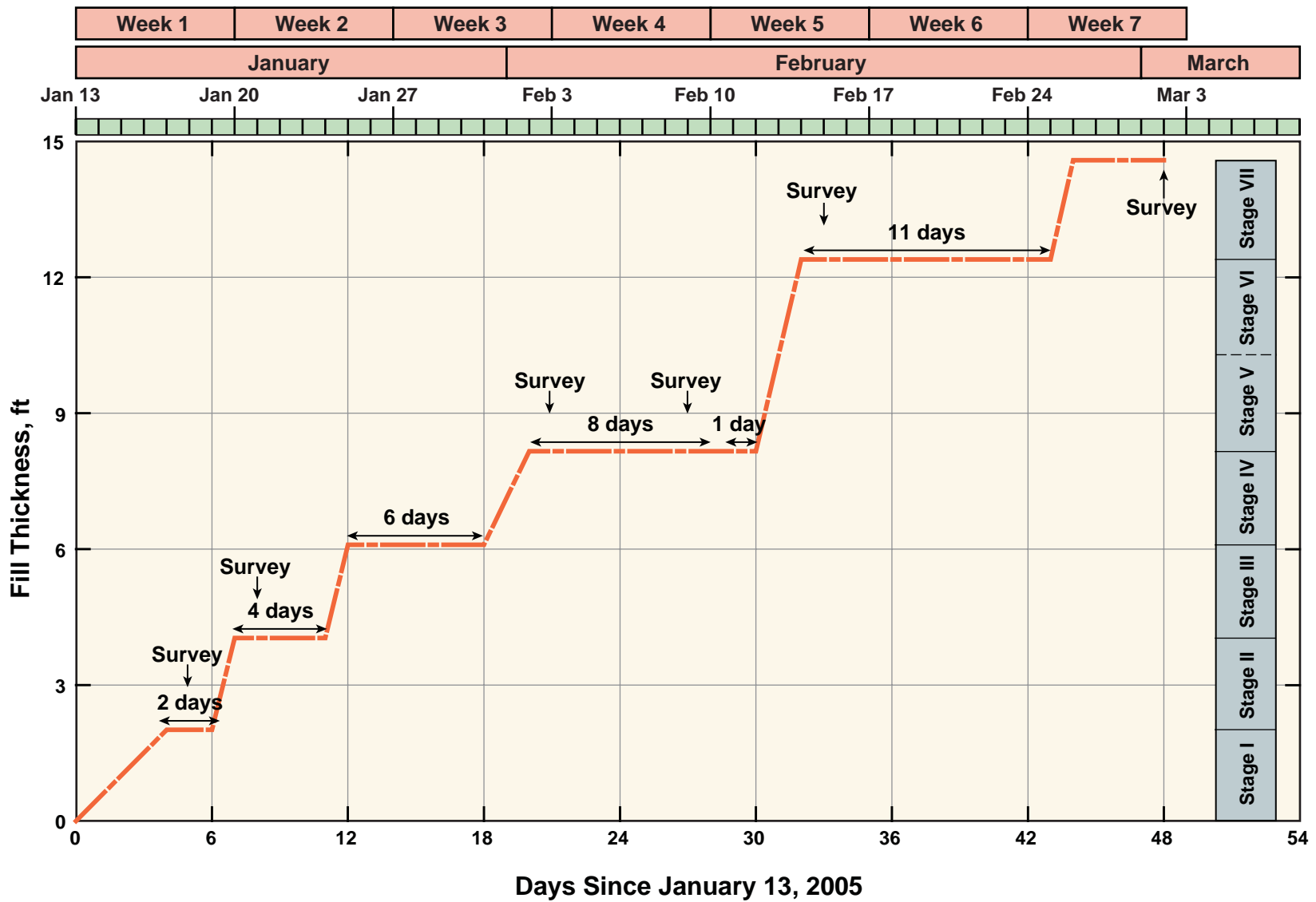
FIG_147: Aerial Photograph of Hamilton Field and Test Fill Site



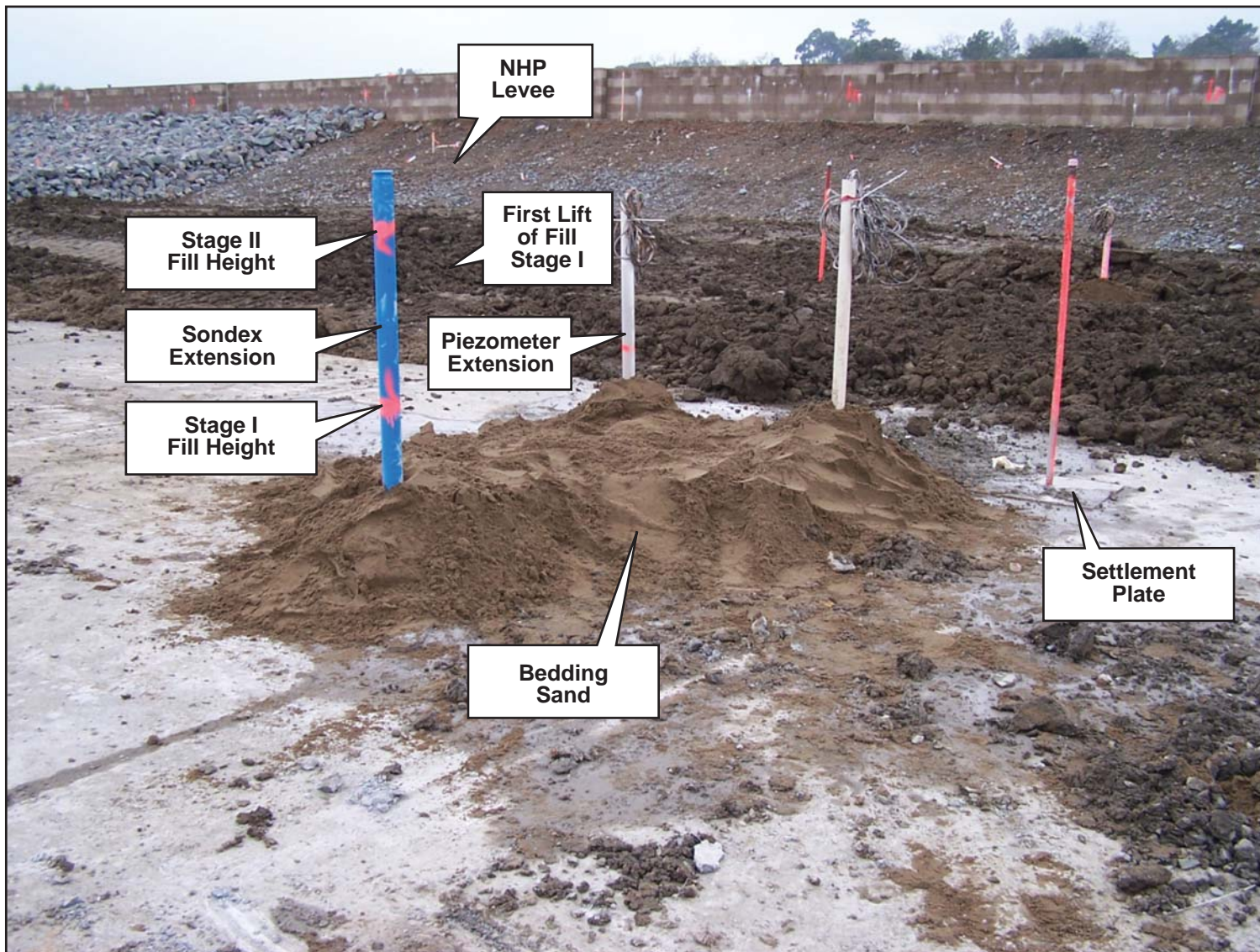
FIG_148: Instrumentation Layout for the Hamilton Test Fill



FIG_149: Typical As-Built Instrumentation Hamilton Test Fill



FIG_150: Test Fill Construction History Hamilton Test Fill

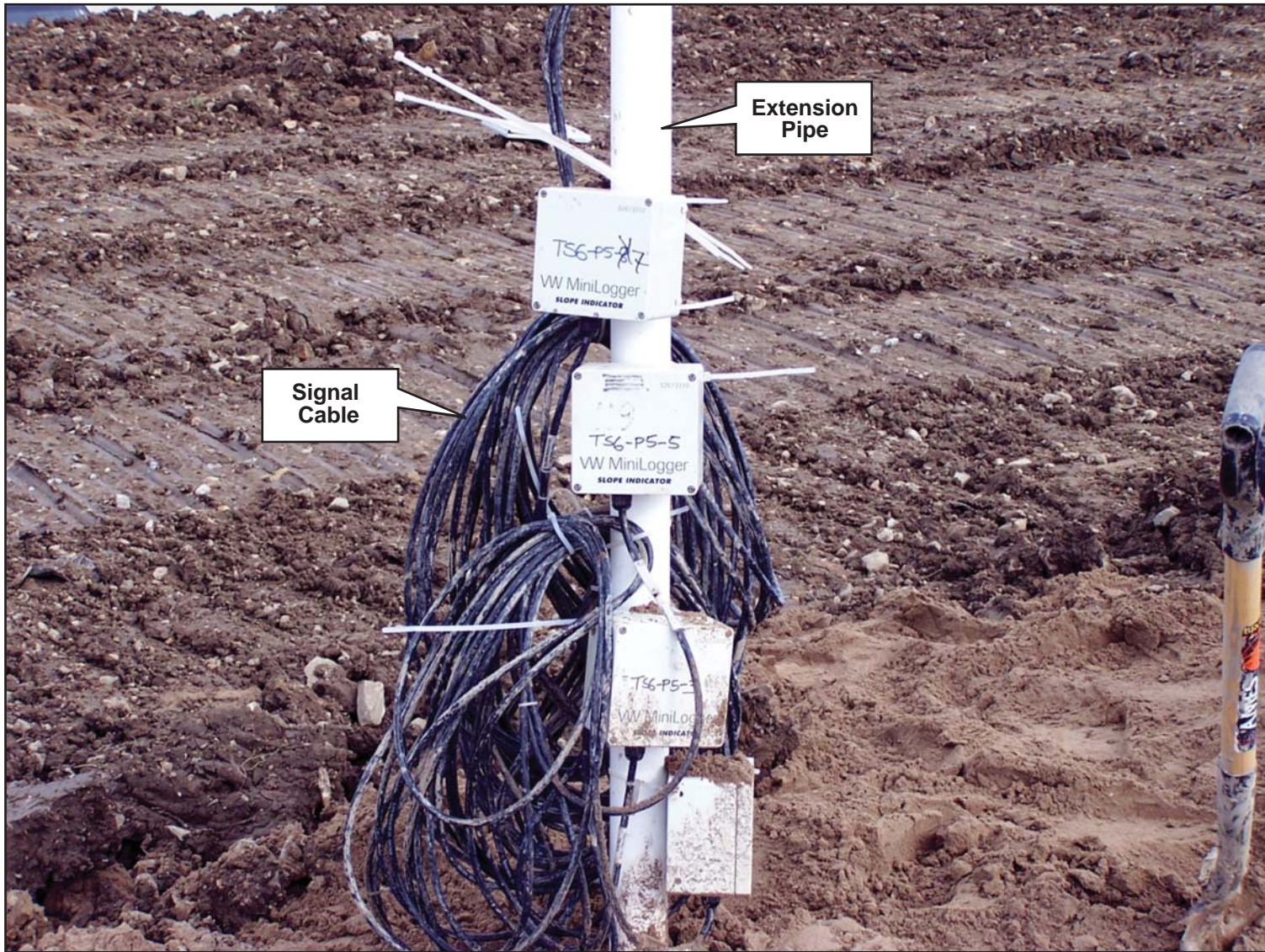


FIG_151: Installation of Instrumentation Sondex, Piezometers, and Settlement Plates

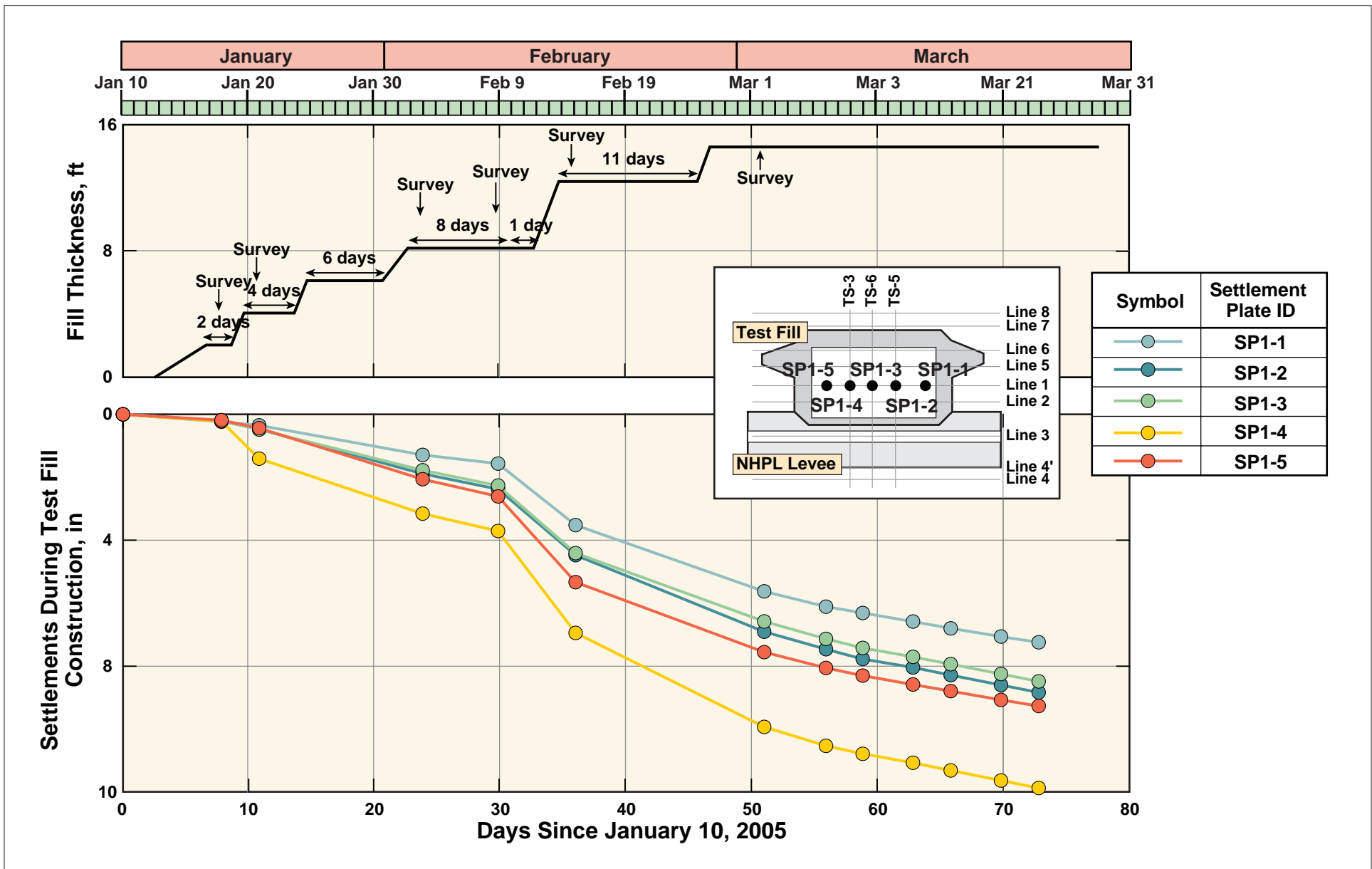


FIG_152: Instrumentation During Test Field Construction

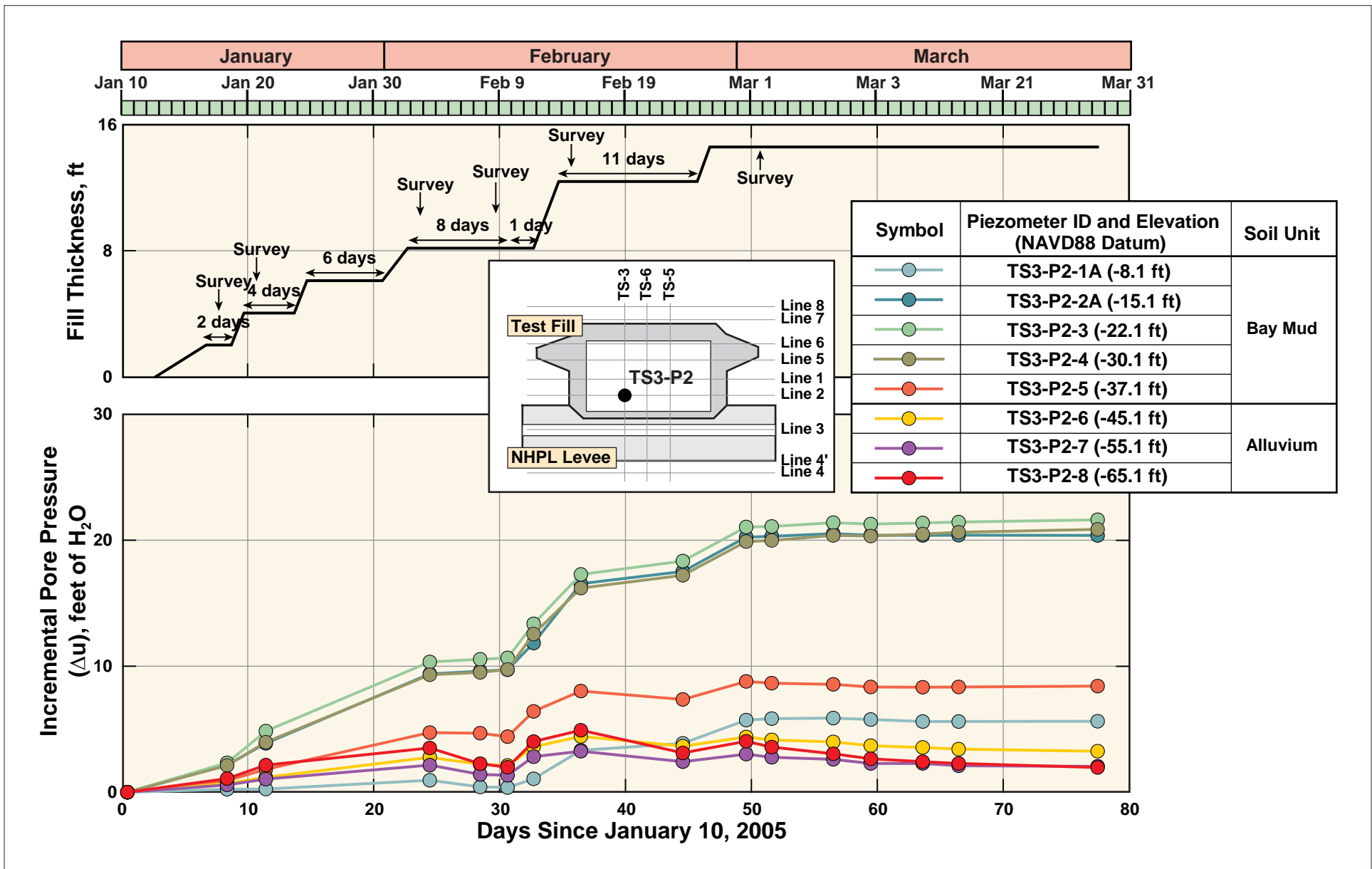
W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\07 TEST FILL (146-165)\FIG_152.ai



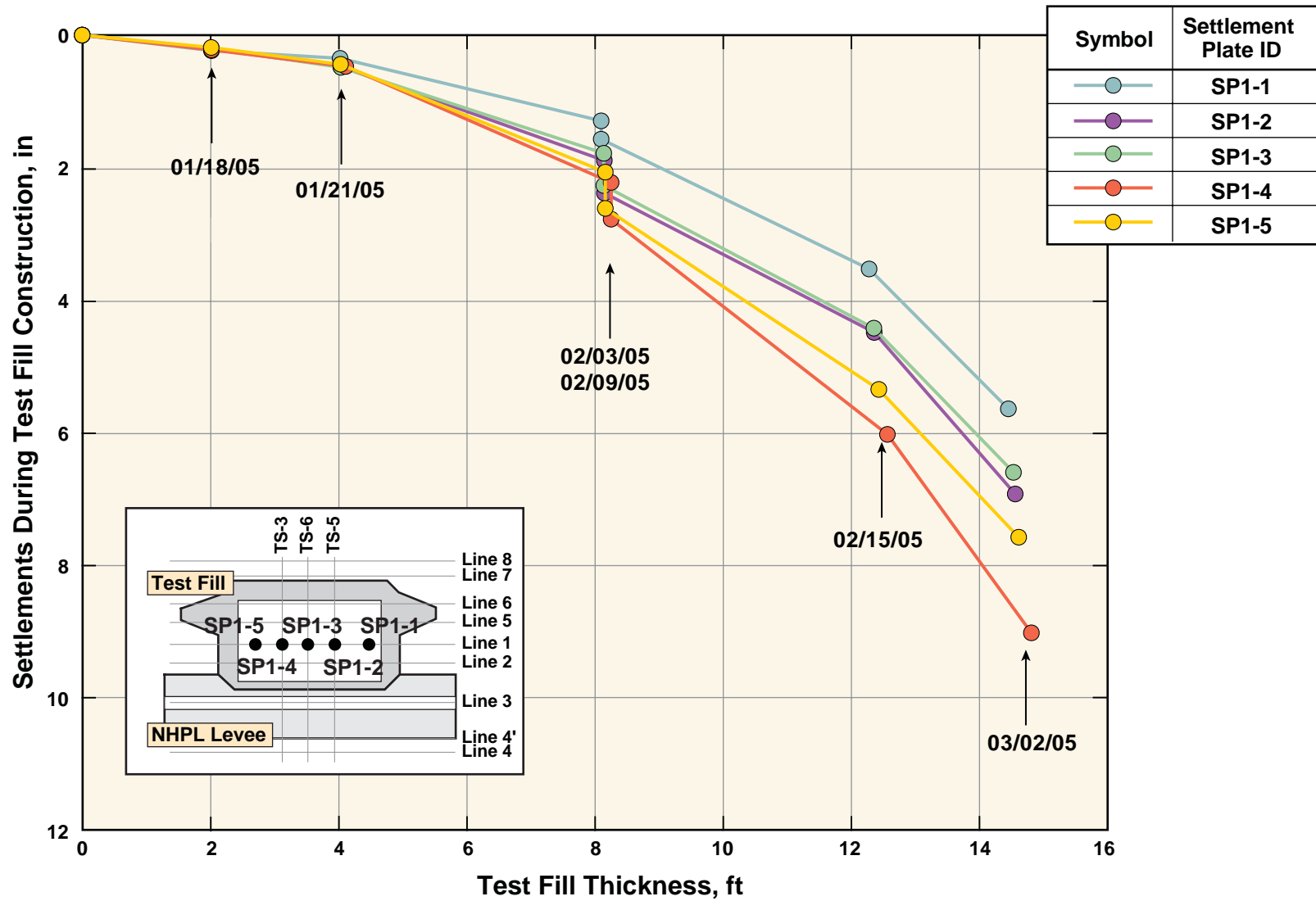
FIG_153: Data Loggers Used to Monitor Piezometers



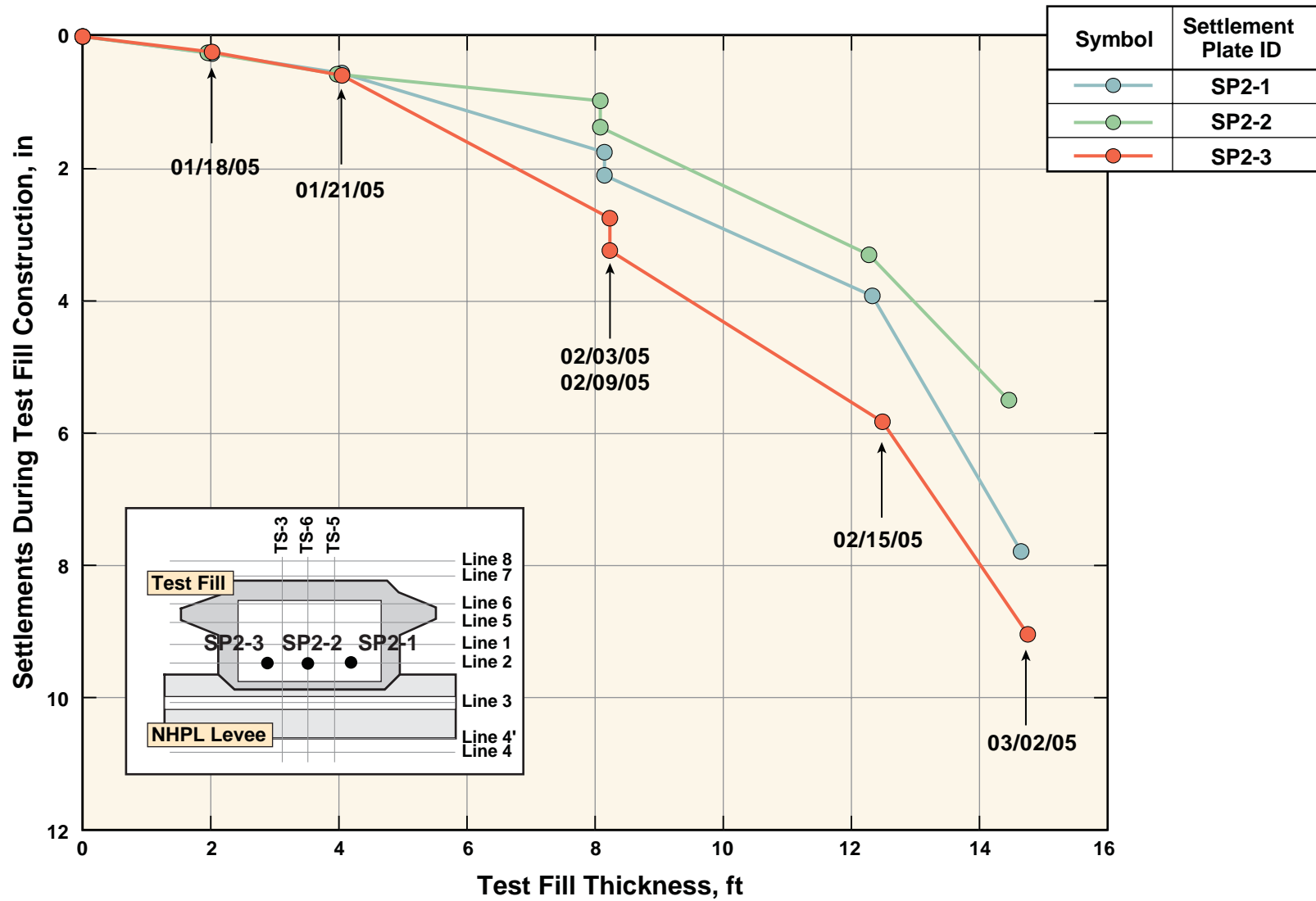
FIG_154: Settlements Versus Time During Test Fill Construction Settlement Plates Along Instrument Line No. 1



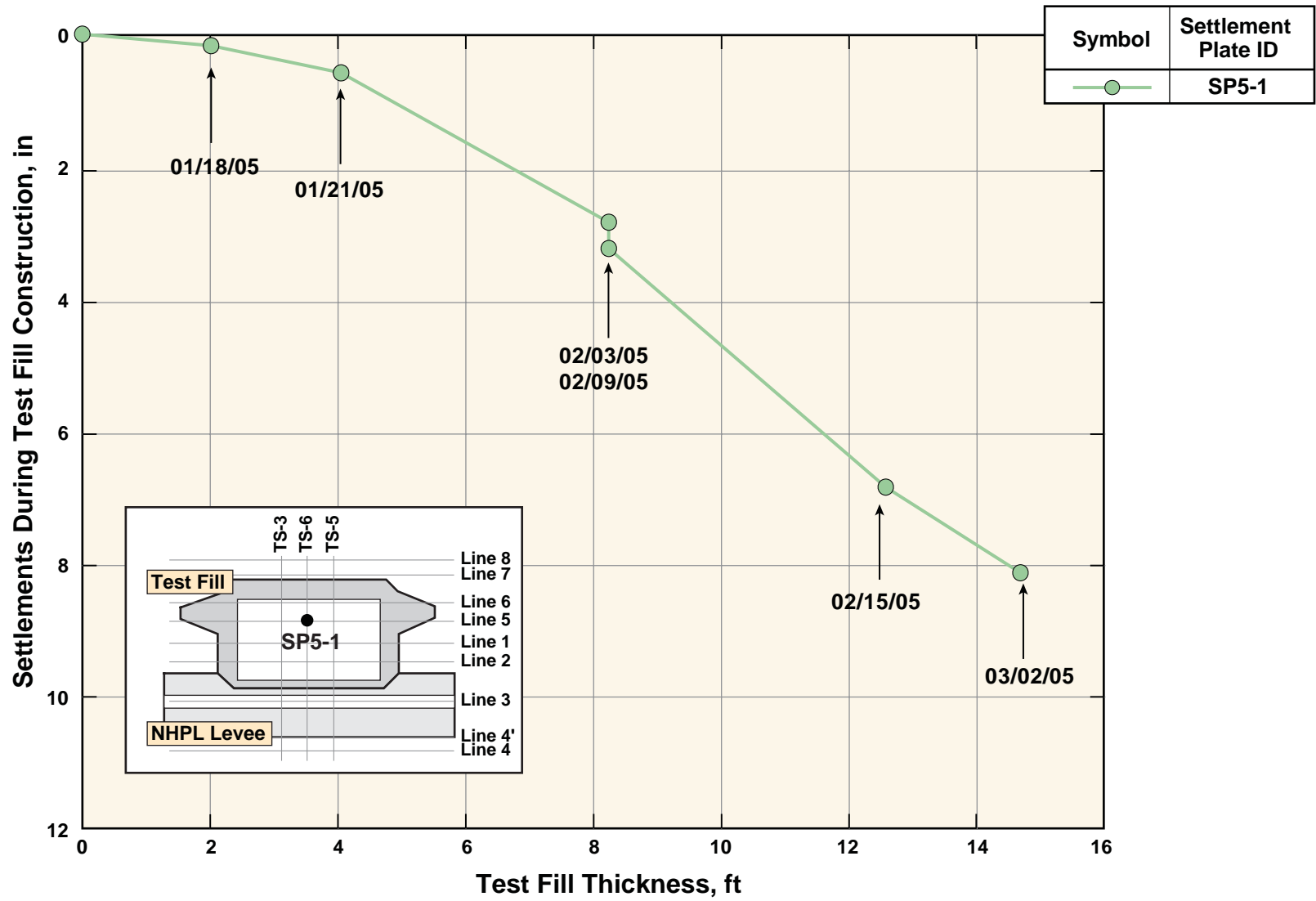
FIG_155: Excess Pore Pressures Versus Time



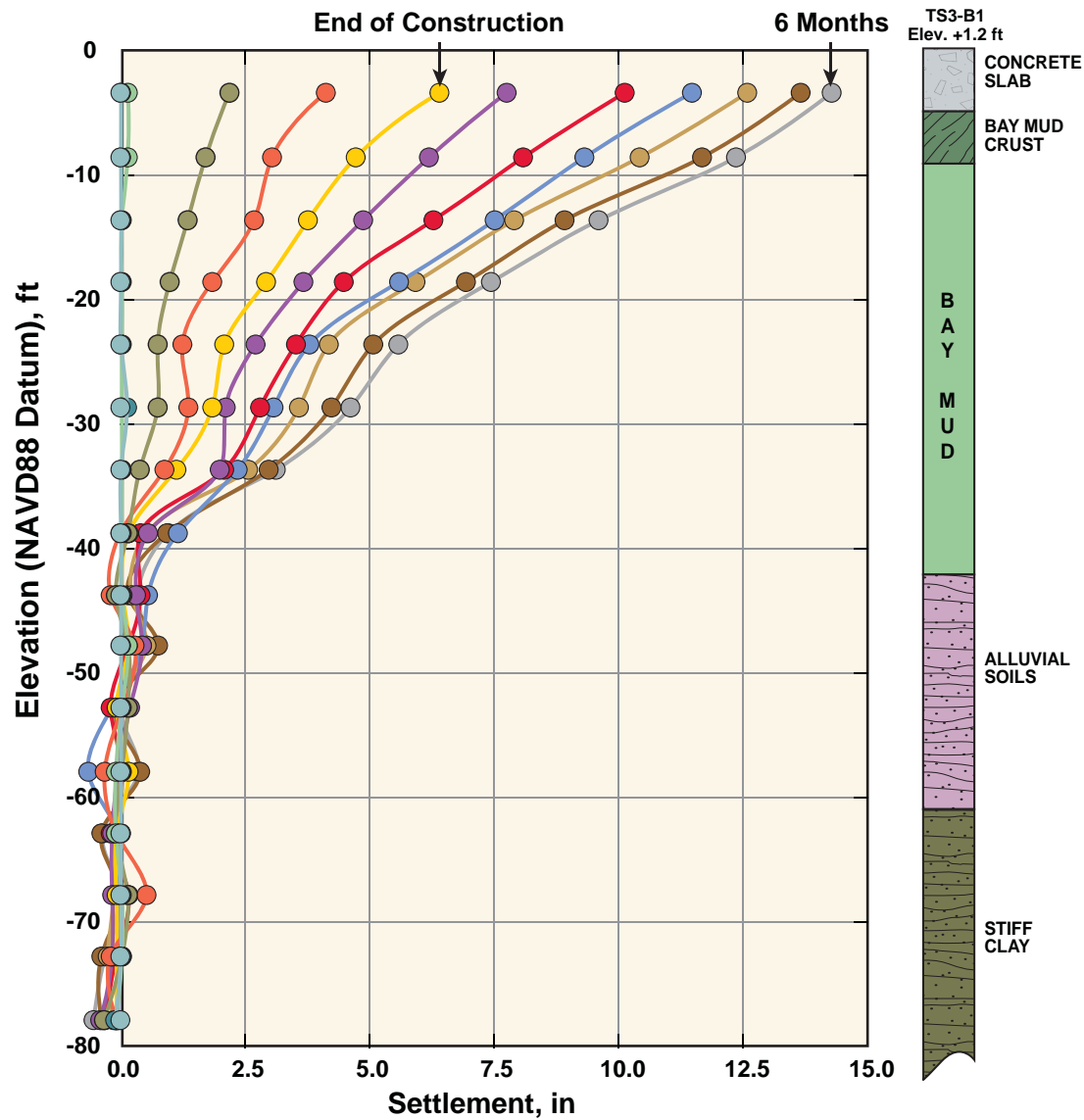
FIG_156: Typical Settlements Measured During Test Fill Construction



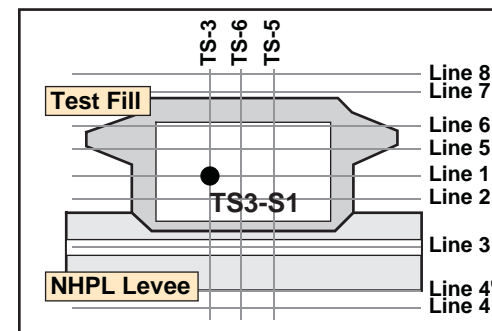
FIG_157: Settlements Measured During Test Fill Construction Settlement Plates Along Instrument Line No. 2



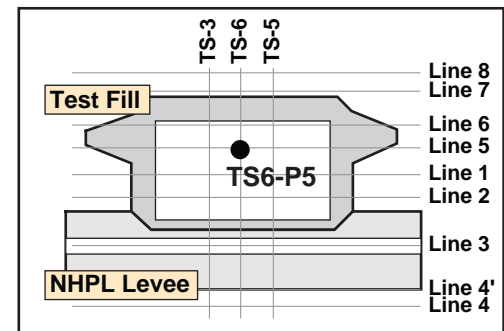
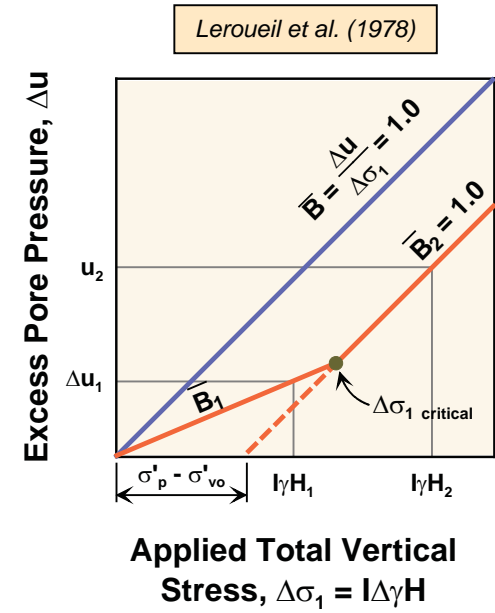
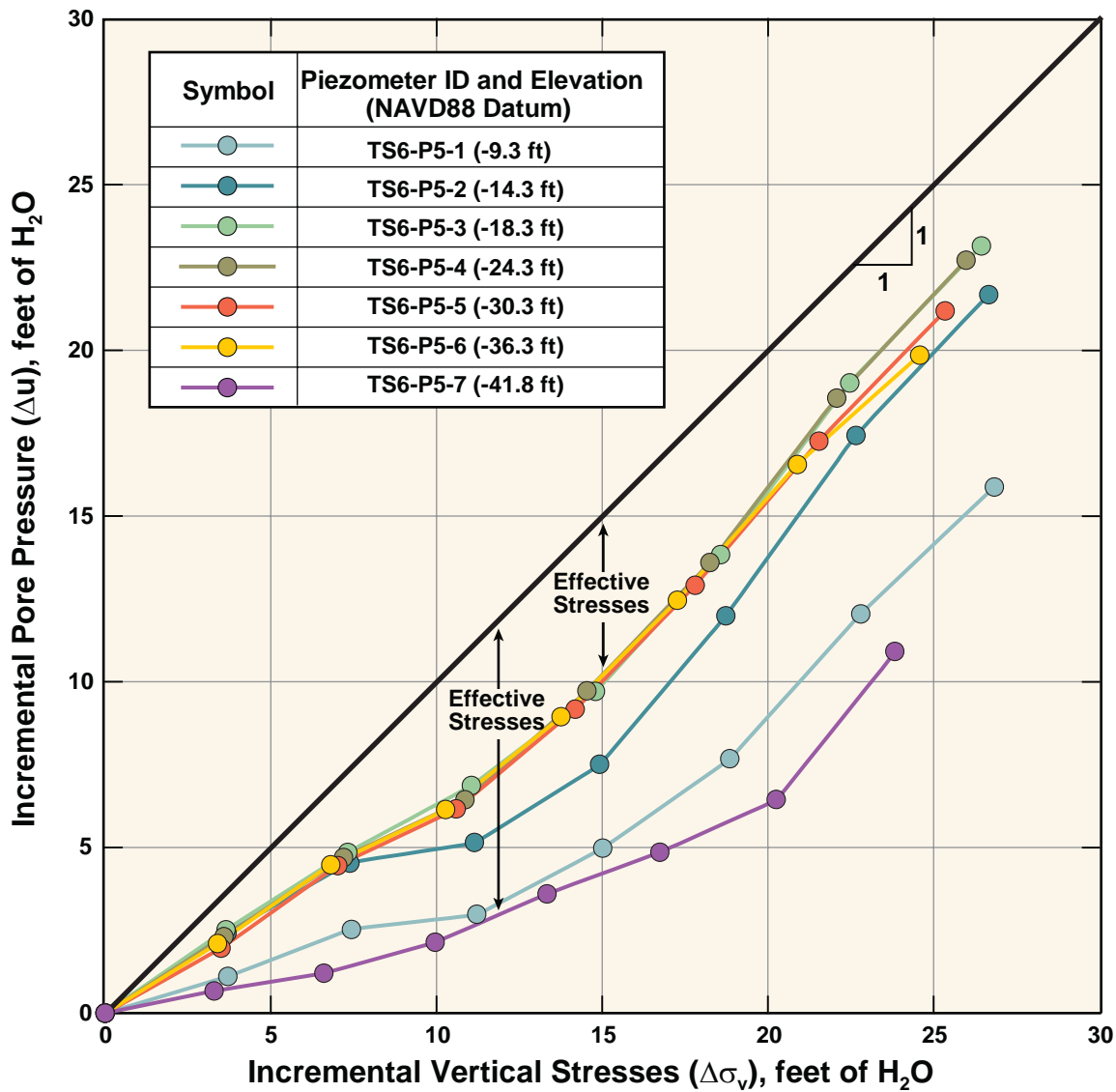
FIG_158: Settlements Measured During Test Fill Construction Settlement Plates Along Instrument Line No. 5



Symbol	Construction Stage and Date	Fill Thickness
—○—	Baseline (01/10/05)	0 ft
—●—	Stage I (01/18/05)	2 ft
—○—	Stage II (01/21/05)	4 ft
—●—	Stage IV (02/09/05)	8.2 ft
—○—	Stage VI (02/15/05)	12.4 ft
—●—	Stage VII (02/28/05)	14.6 ft
—○—	1 month reading (03/28/05)	14.6 ft
—●—	2 months reading (04/25/05)	
—○—	3 months reading (05/23/05)	
—●—	4 months reading (06/20/05)	
—○—	5 months reading (07/25/05)	
—●—	6 months reading (08/18/05)	



FIG_159: Sondex Settlement Profiles

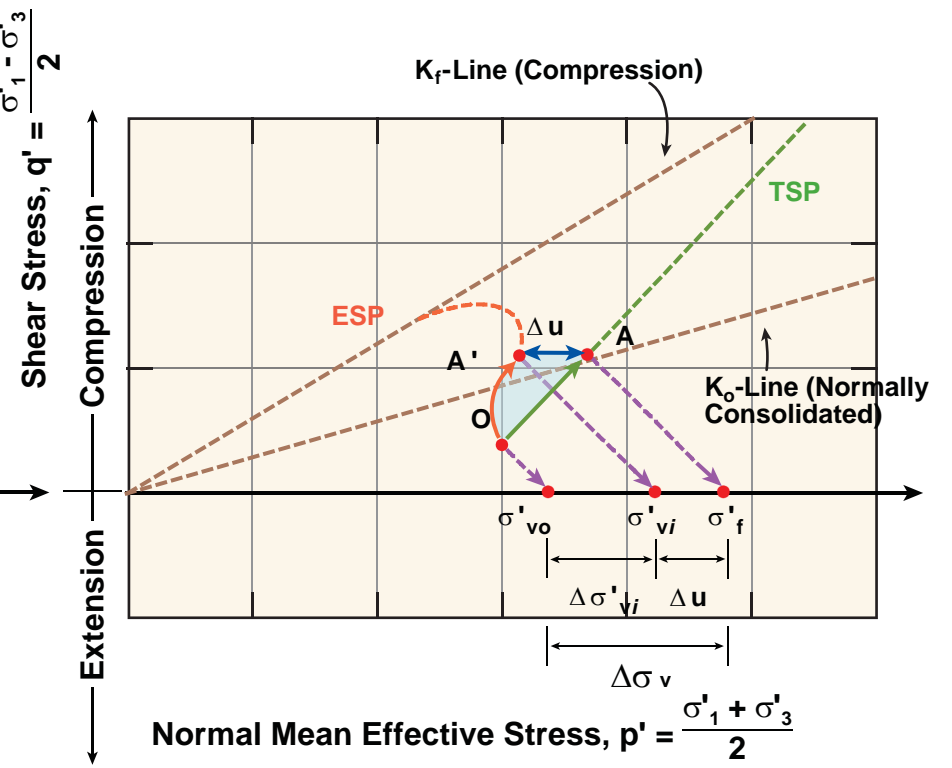
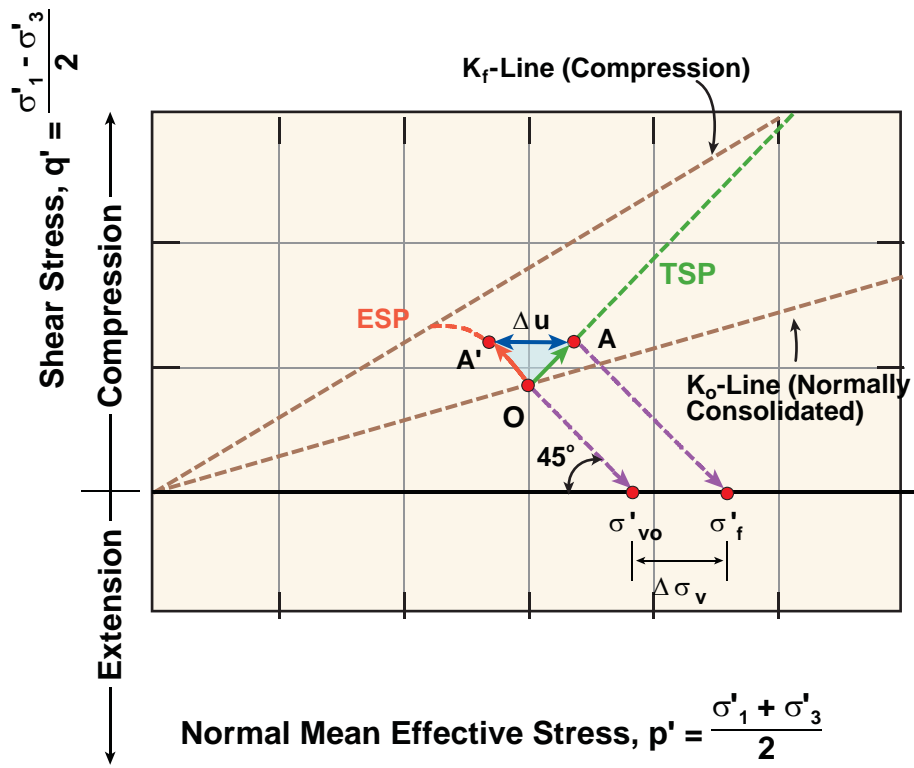


FIG_160: Incremental Pore Pressures versus Incremental Vertical Stresses

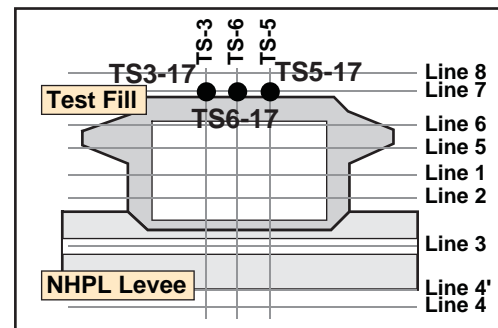
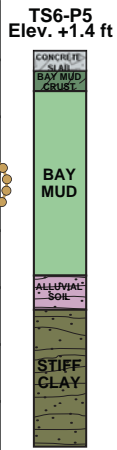
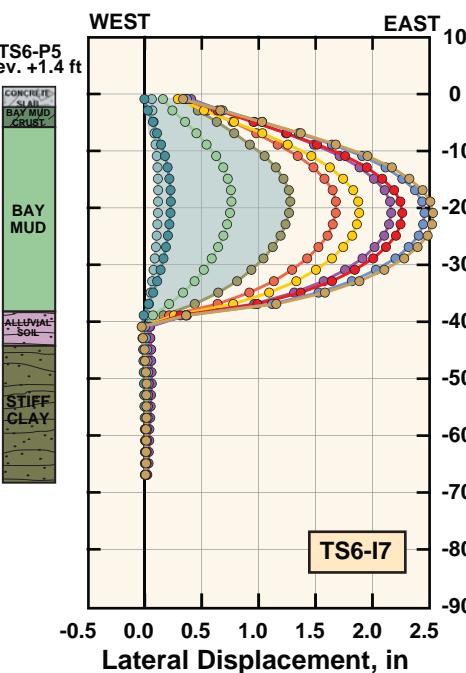
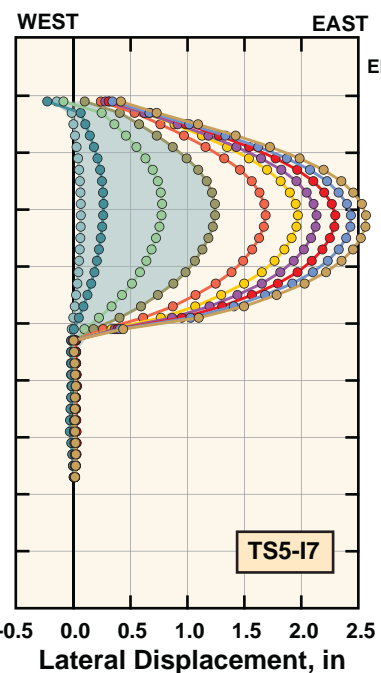
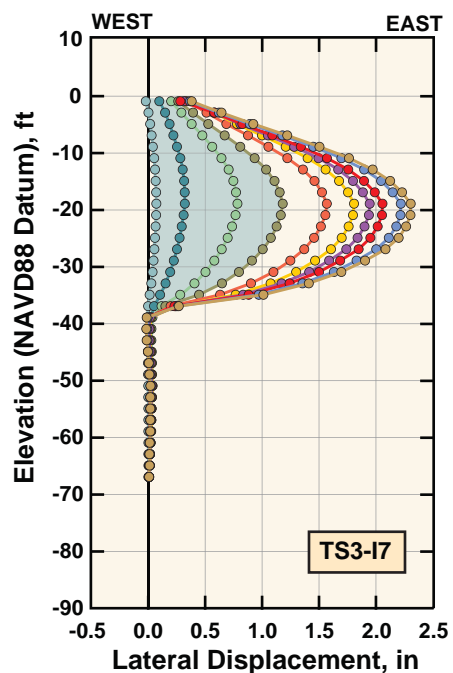
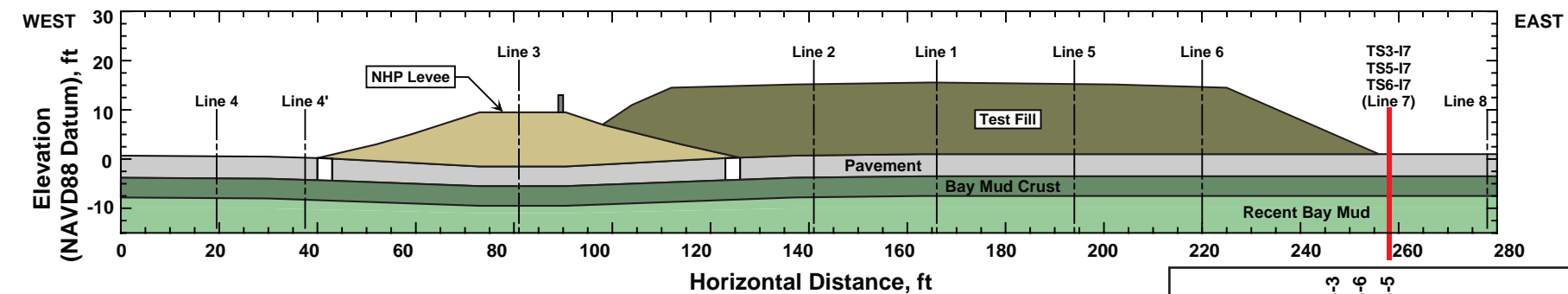
W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\07 TEST FILL (146-165)\FIG_160.ai

1. Normally Consolidated Clay; A = 1.0
 $\Delta u = \Delta\sigma_3 + A(\Delta\sigma_1 - \Delta\sigma_3)$
 $\Delta u = \Delta\sigma_1 = \Delta\sigma_v$
 $\mu = 1.0$

2. Overconsolidated Clay; A < 1.0
 $\Delta u < \Delta\sigma_v$
 $\Delta\sigma'_{vi} > 0$
 $\mu < 1.0$



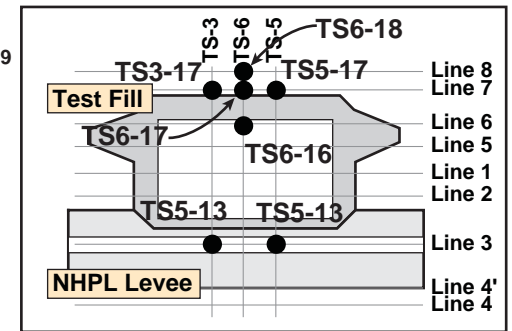
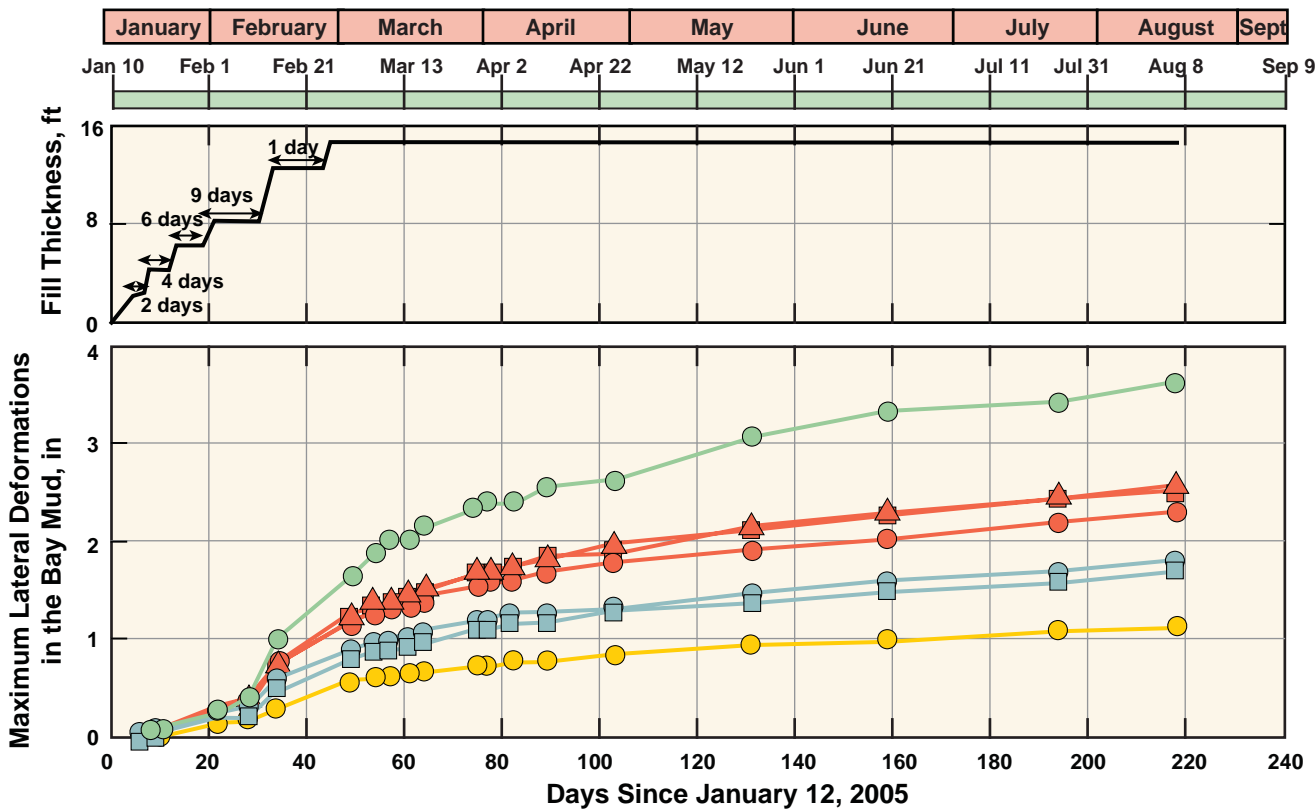
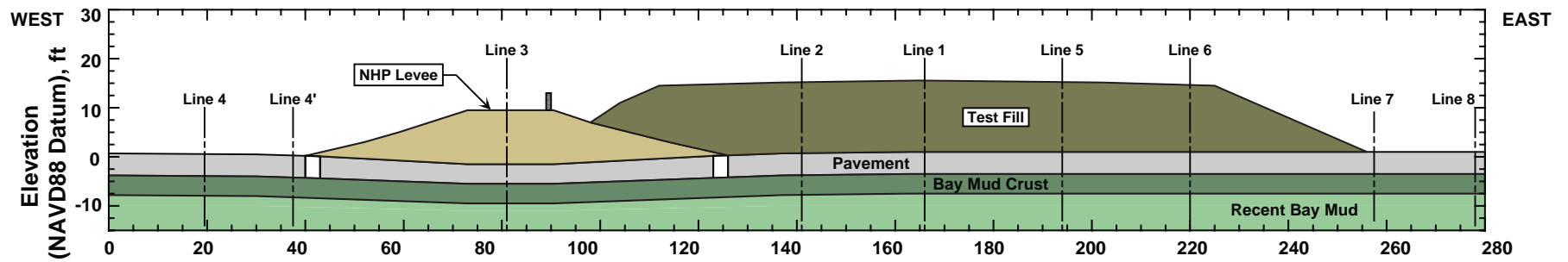
FIG_161 : The Skempton-Bjerrum Correction Factor Consolidation Settlements of Overconsolidated Soil



Symbol	Construction Stage and Date
	Stage II (01/21/05)
	Stage IV (02/03/05)
	Stage VI (02/15/05)
	Stage VII (03/02/05)
	1 month reading (03/28/05)
	2 months reading (04/25/05)
	3 months reading (05/23/05)
	4 months reading (06/20/05)
	5 months reading (07/25/05)
	6 months reading (08/18/05)

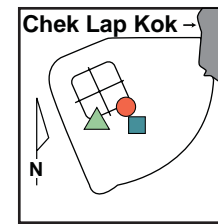
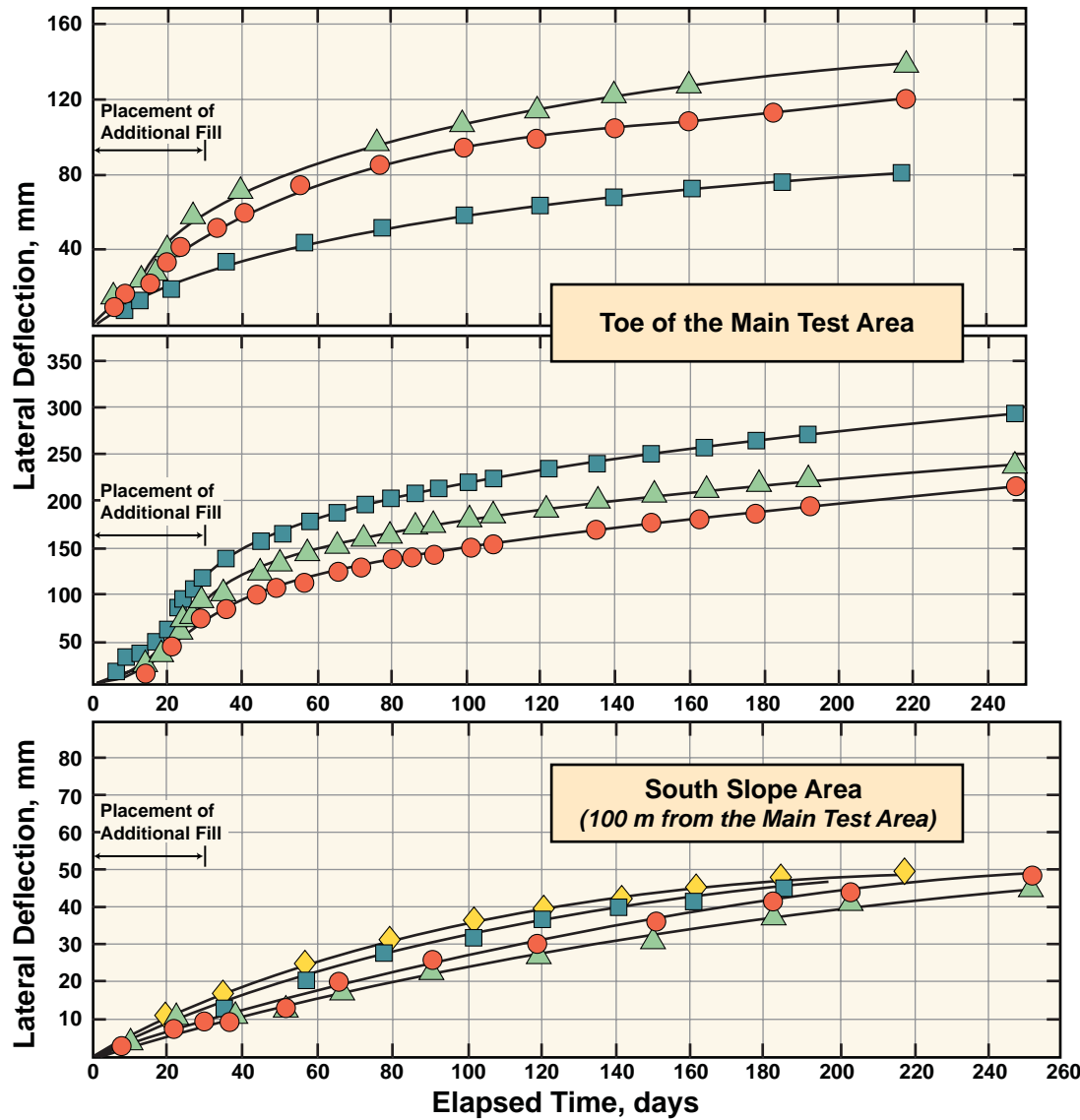
FIG_162 : Lateral Deformations Profiles from Inclinerometers at the Toe of the Test Fill

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\07 TEST FILL (146-165)\FIG_162.ai



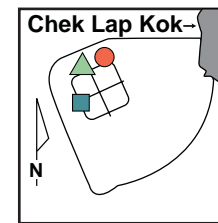
Symbol	Inclinometer No.	Line No.
●	TS3-13	3
■	TS5-13	
●	TS6-16	6
●	TS3-17	7
▲	TS5-17	
■	TS6-17	
●	TS6-18	8

FIG_163: Development of Lateral Deformations with Time: Hamilton Wetlands Test Fill



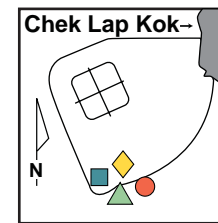
Location Plan

Symbol	Instr. No.	Elev. mPD
●	SI-4	-4.0
▲	SI-6	-4.0
■	SI-7	-4.0



Location Plan

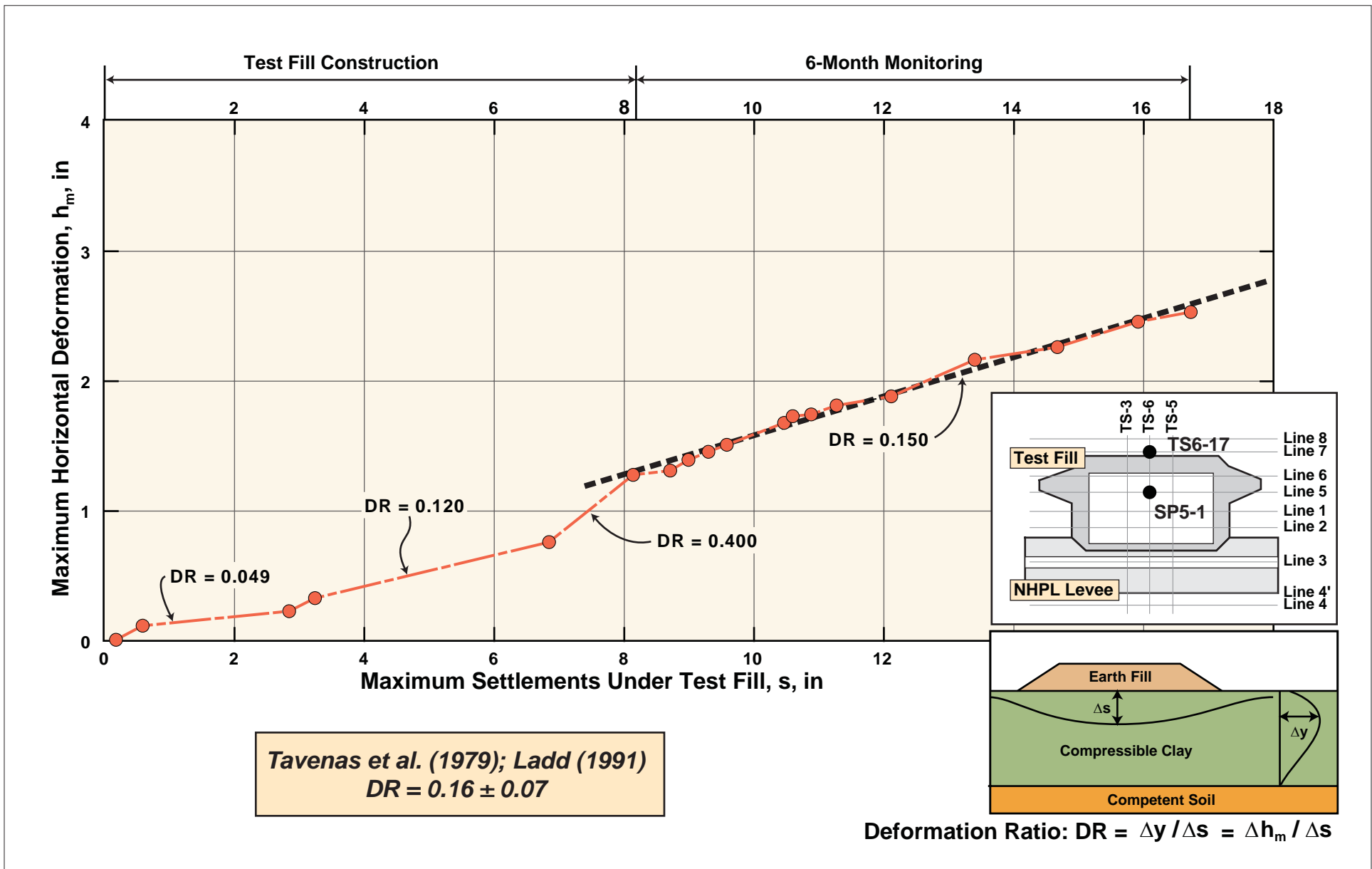
Symbol	Instr. No.	Elev. mPD
●	I-6	-7.0
▲	I-7	-6.0
■	I-8	-6.0



Location Plan

Symbol	Instr. No.	Elev. mPD
●	SI-1	-4.0
▲	SI-2	-4.0
■	SI-8	-4.0
◆	I-9	-4.0

FIG_164: Development of Lateral Deformations with Time Stage II Filling: Hong Kong Airport Test Fill



FIG_165 : Maximum Horizontal Deformations Versus Maximum Settlements Hamilton Wetlands Test Fill