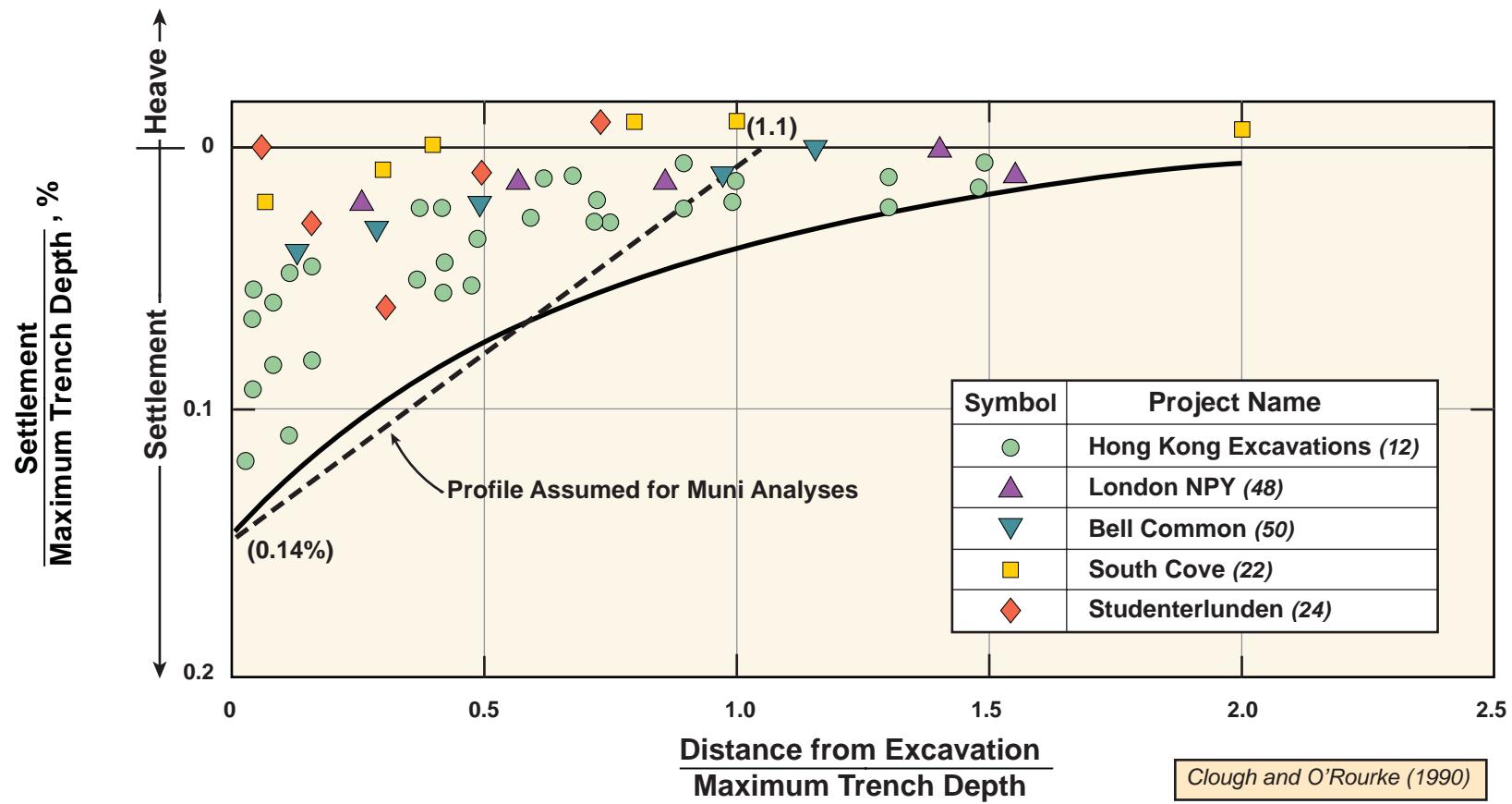


Slurry Walls

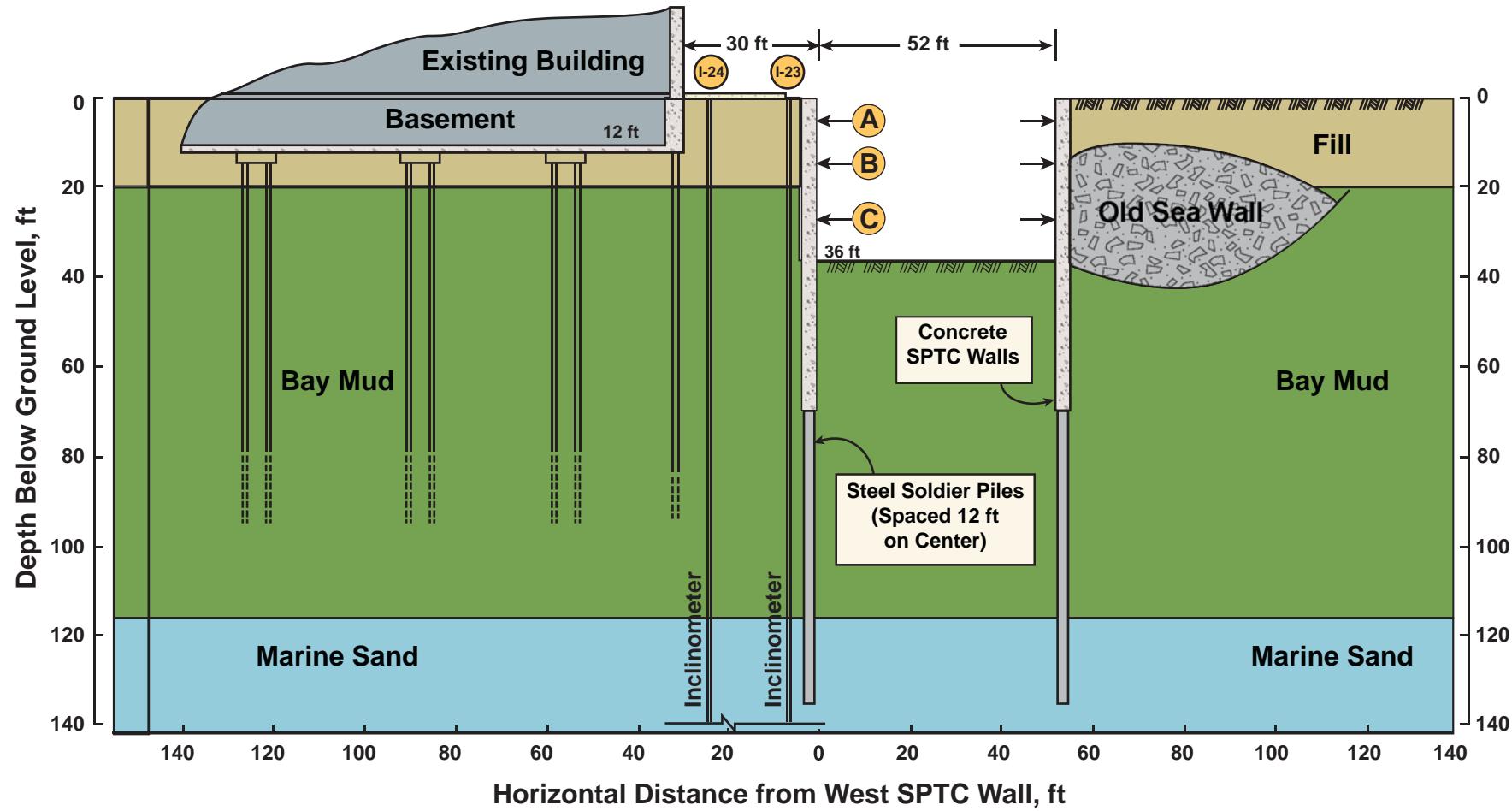
FIG_192: Title

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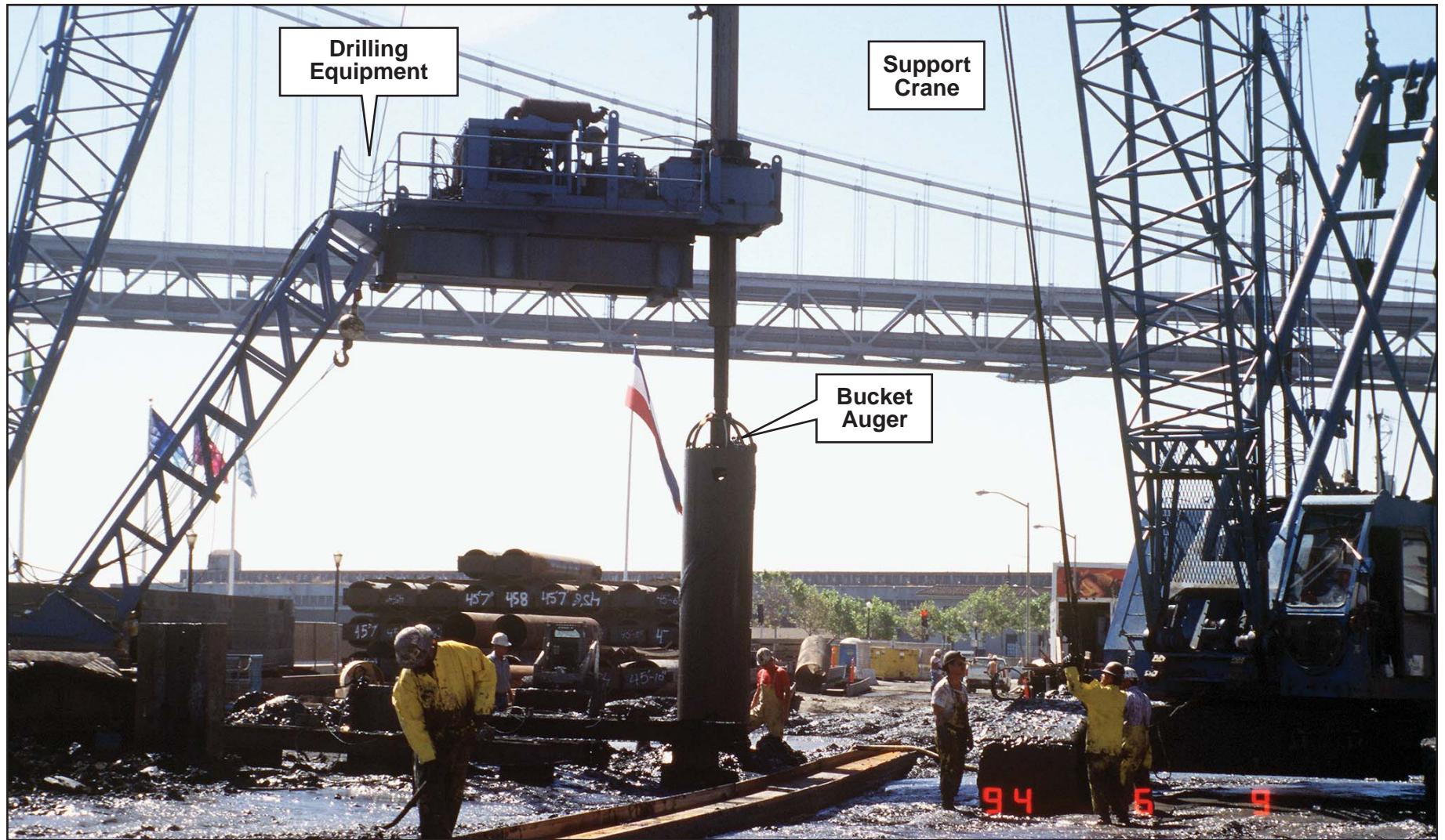
FIG_193: Settlements Caused by Diaphragm Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\Fig_193



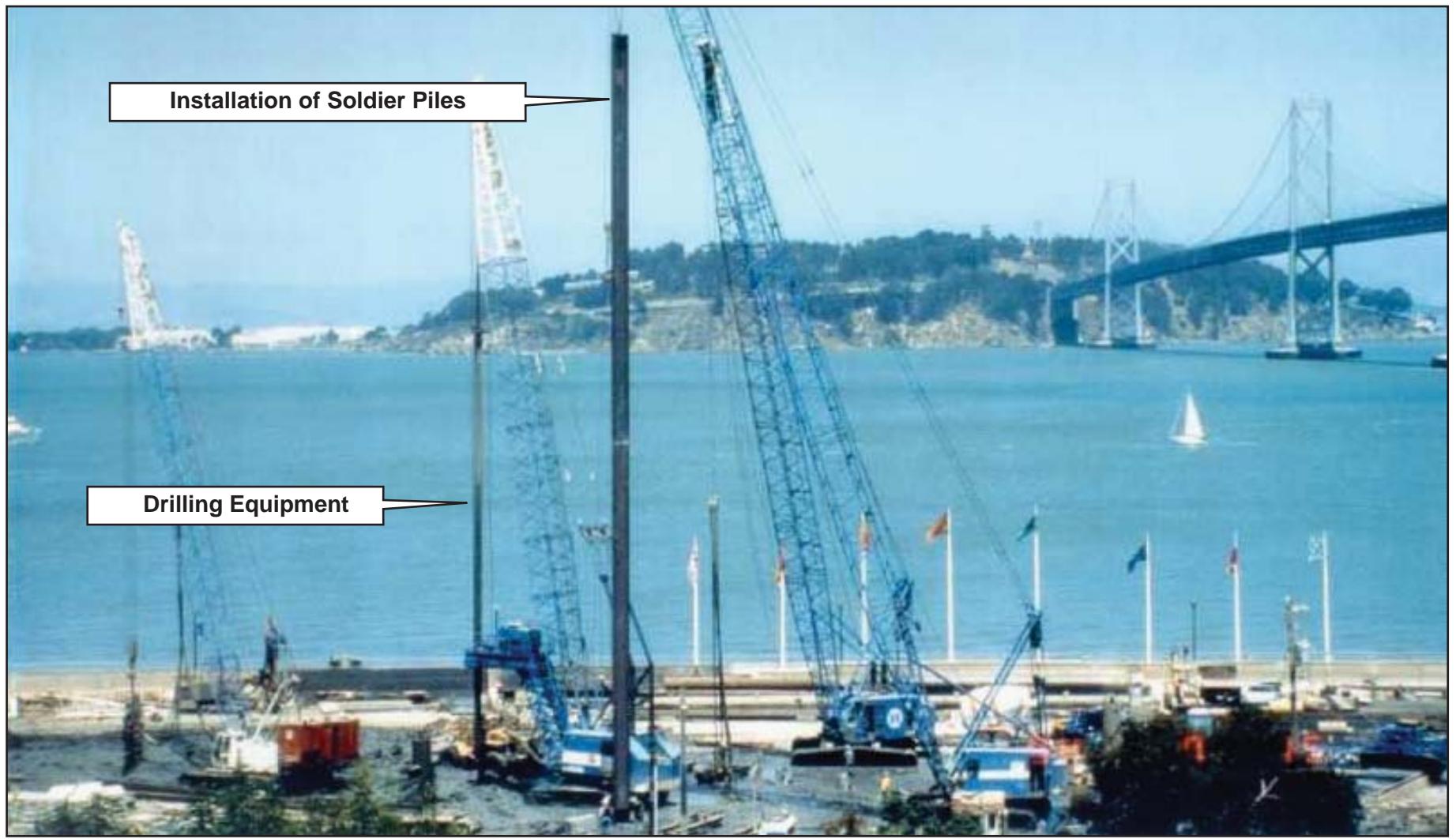
FIG_194 : Excavation for Muni Metro Turnback Project

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_194



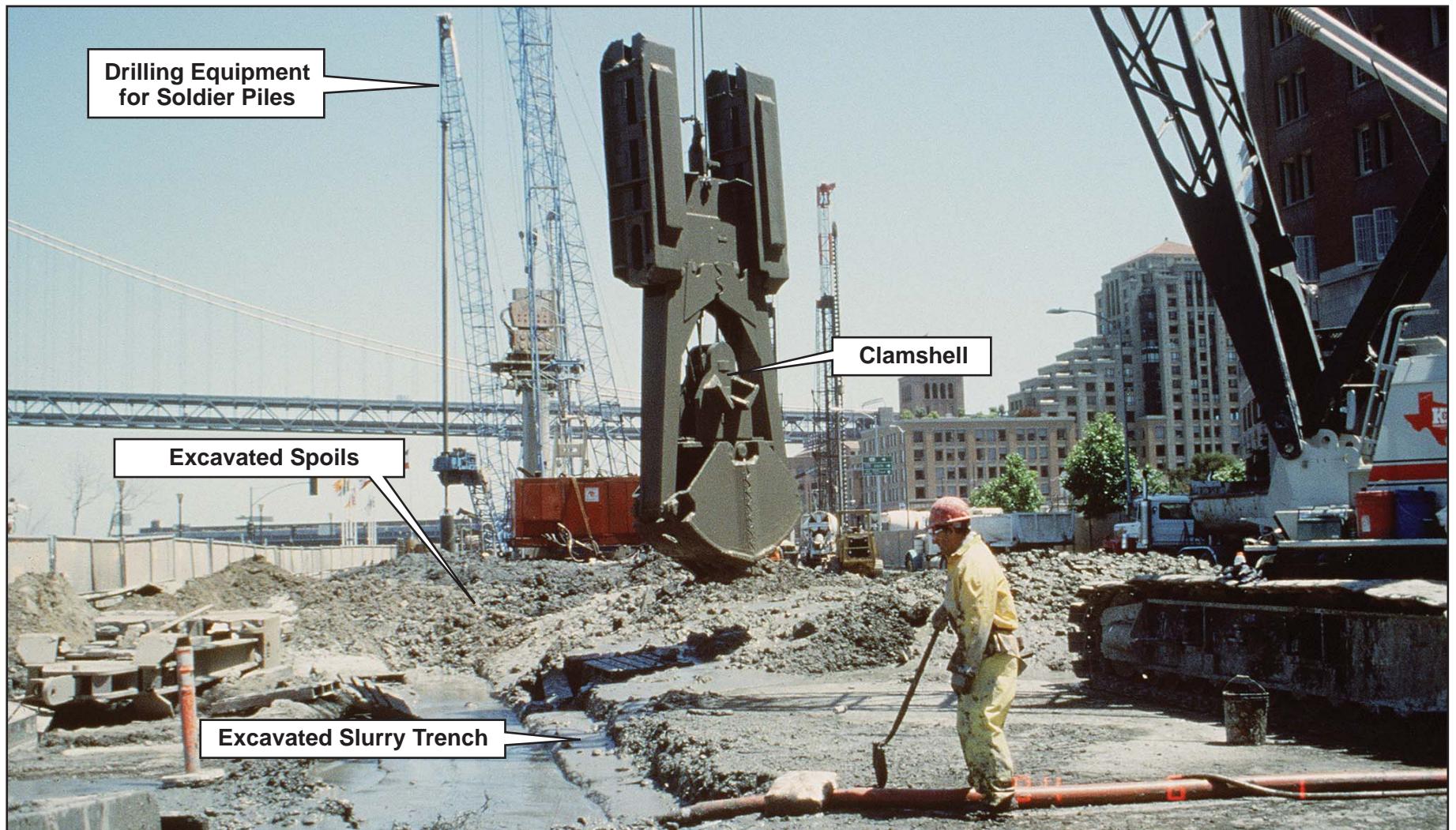
FIG_195: Construction of Soldier Piles for SPTC Wall

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_195



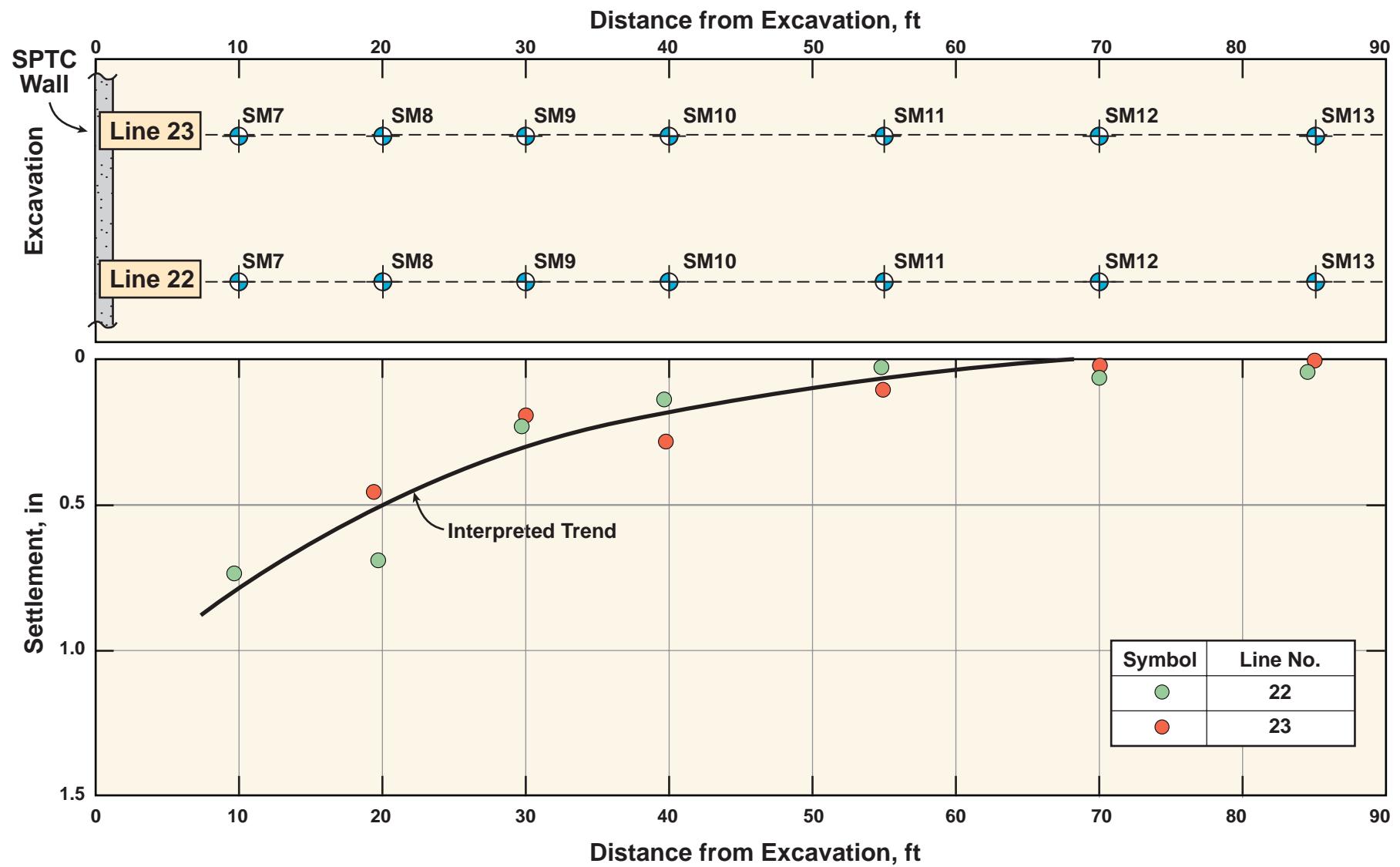
FIG_196: Installation of Soldier Piles for SPTC Wall

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_196



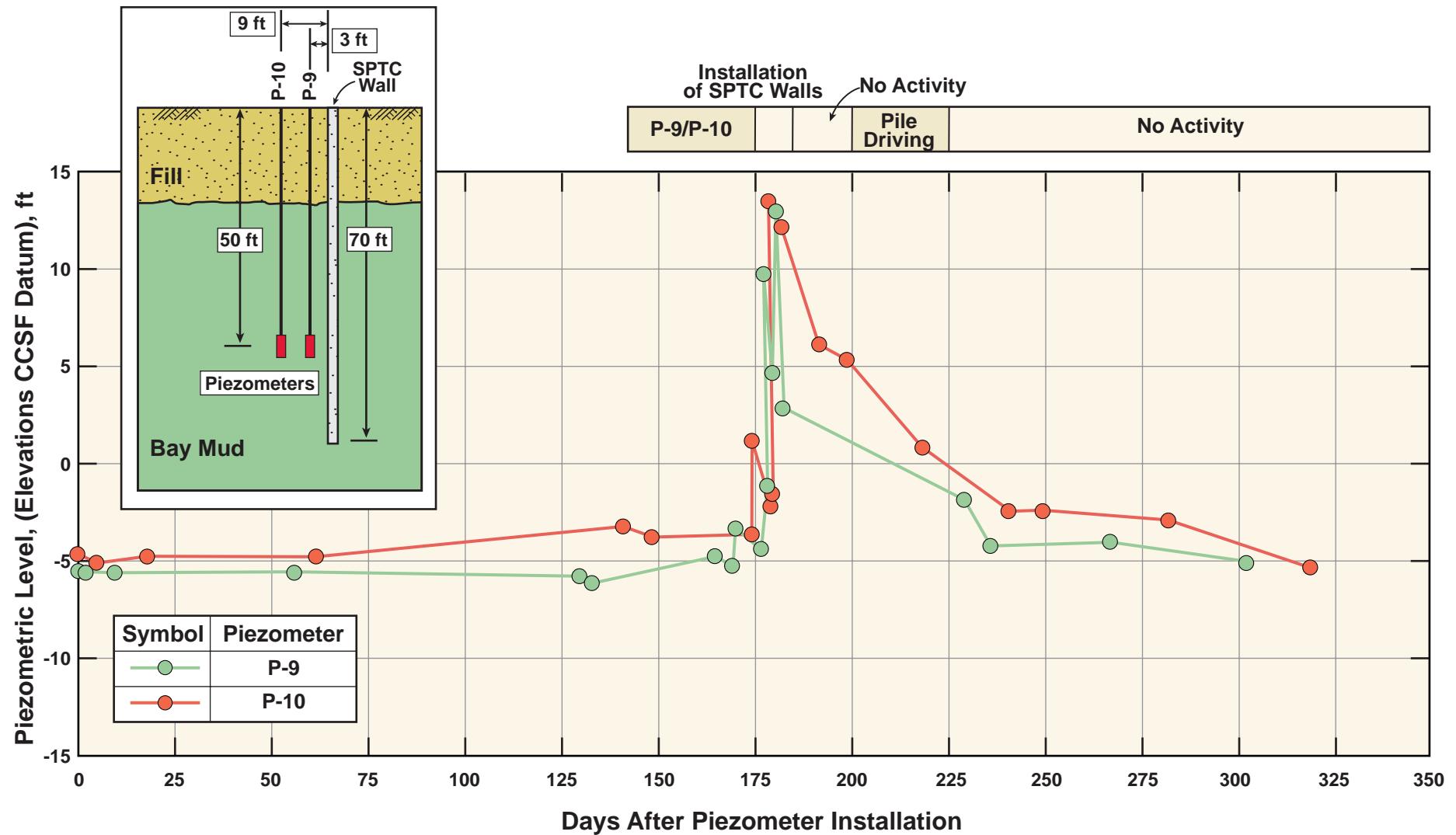
FIG_197: Slurry Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_197



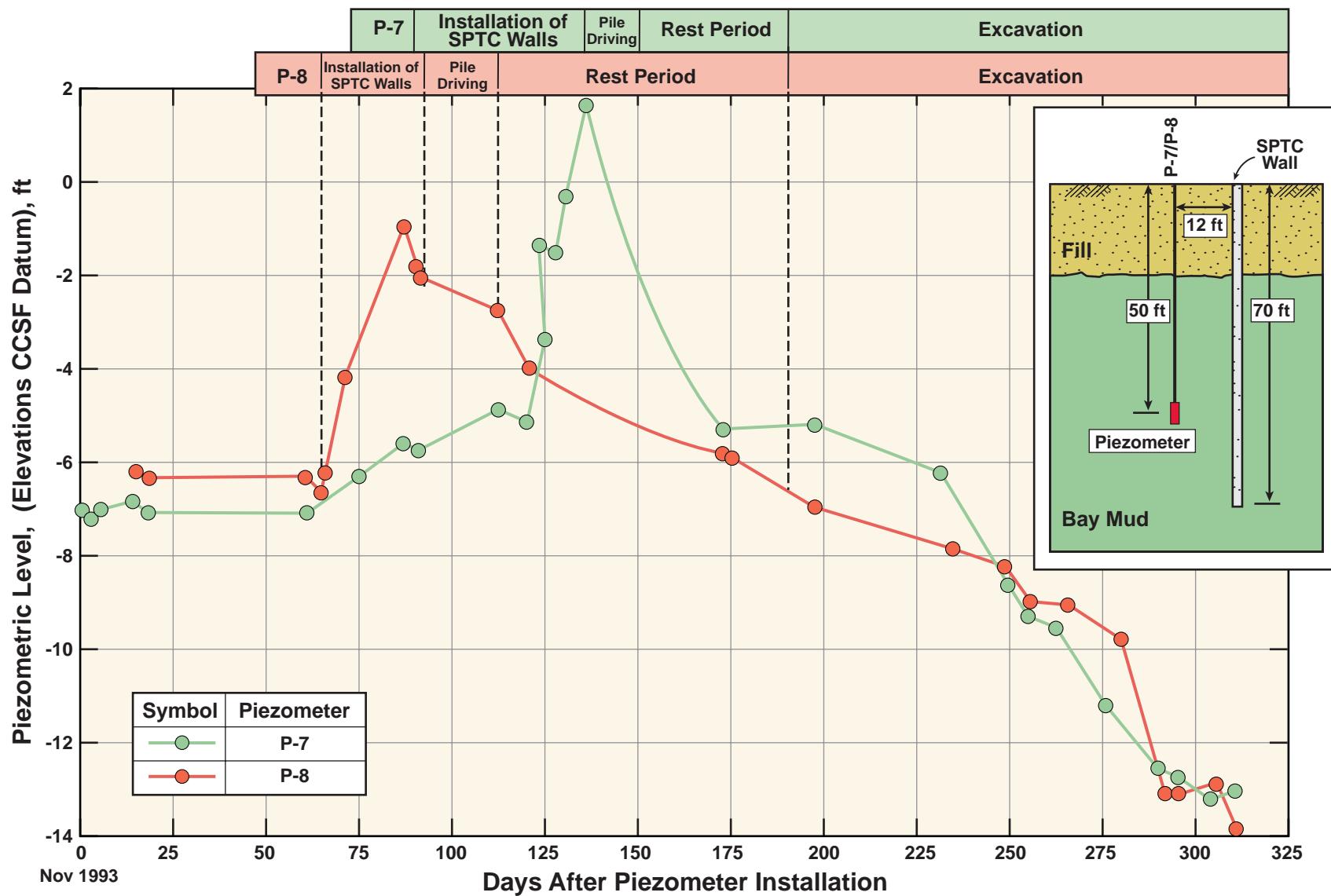
FIG_198: Settlements Measured at End of SPTC Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_198



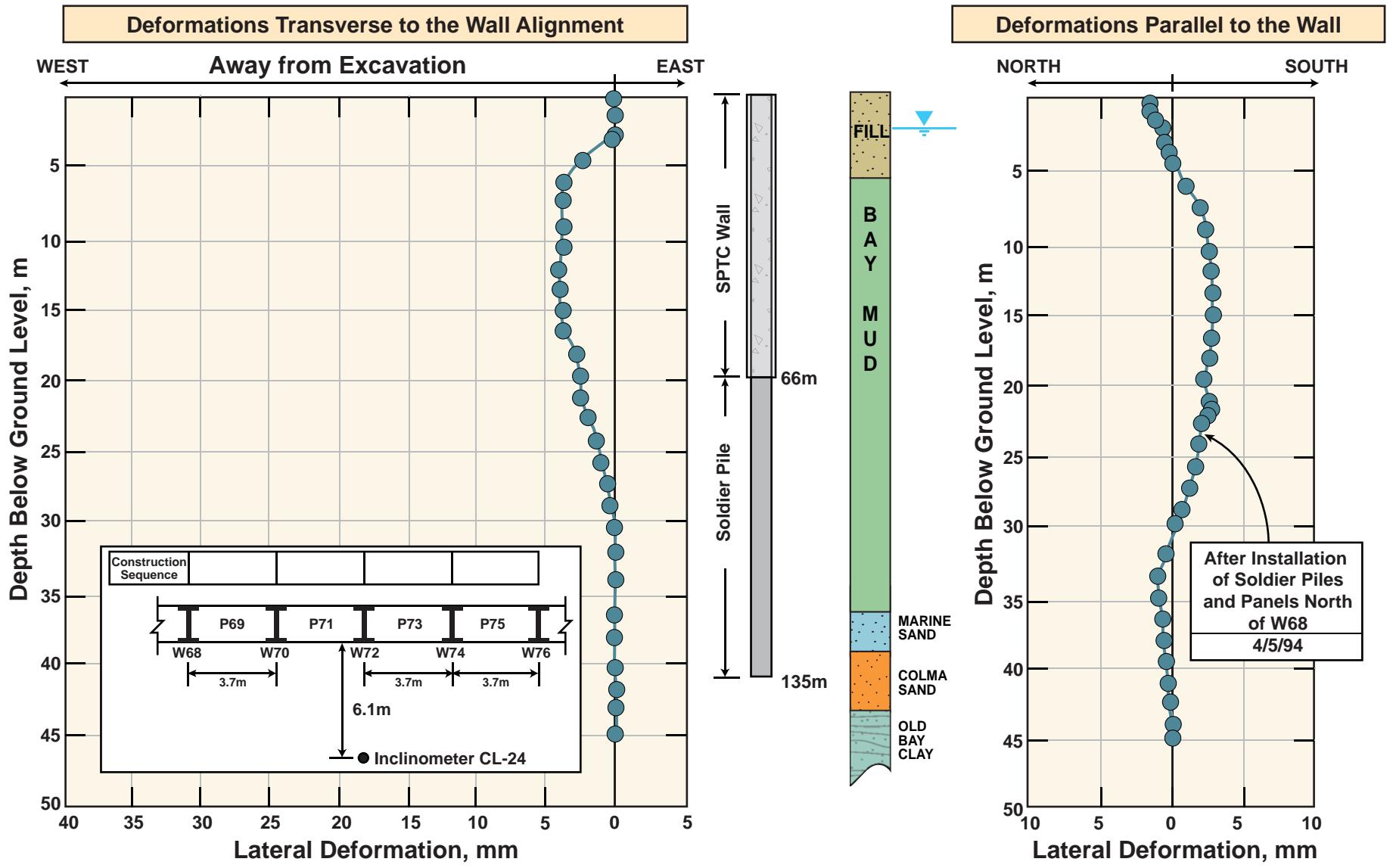
FIG_199: Excess Pore Pressures Caused by SPTC Wall Construction

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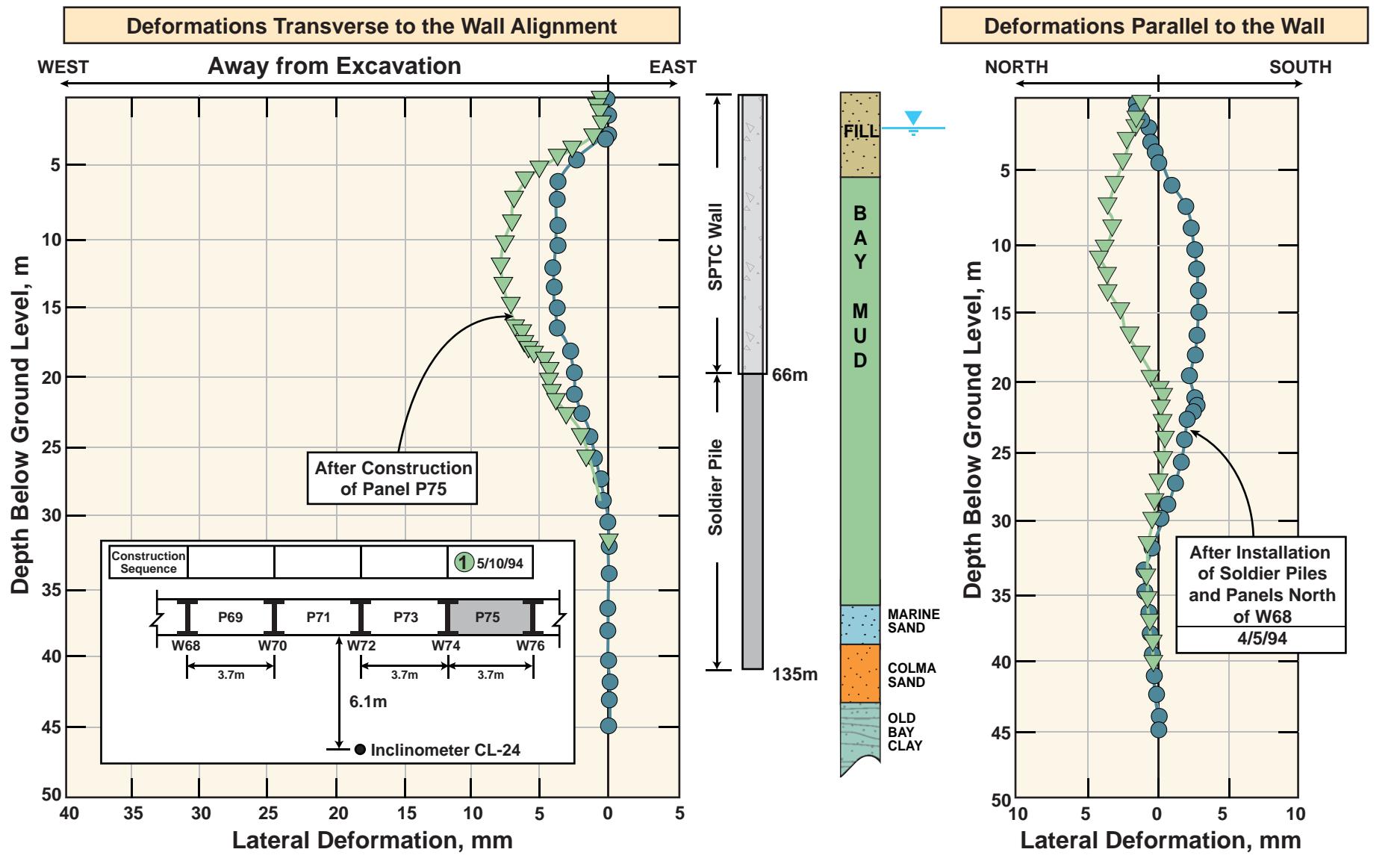
FIG_200: Change in Pore Water Pressures: Effects of SPTC Wall Construction Pile Driving and Excavation

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_200



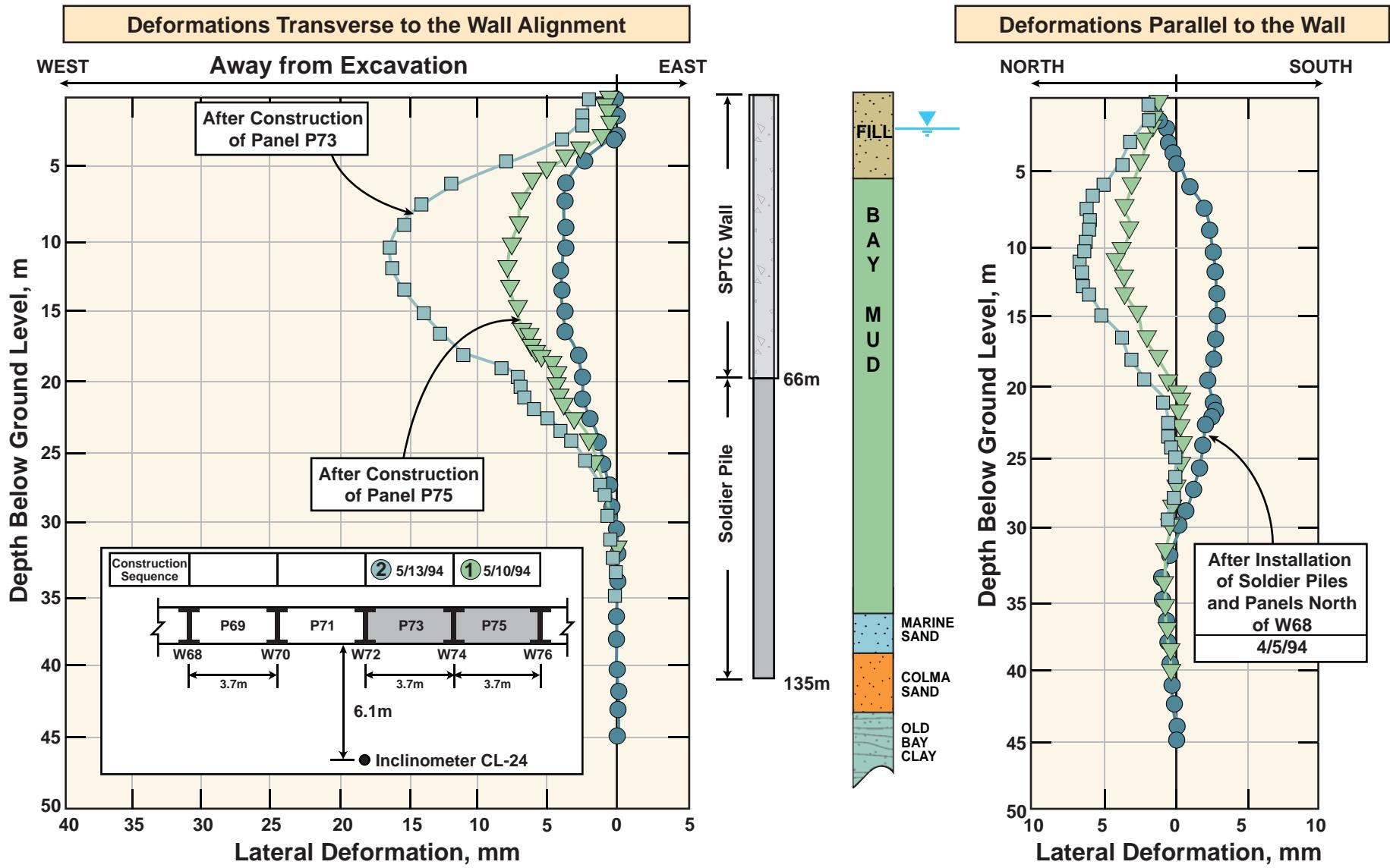
FIG_201A: Lateral Deformations During SPTC Wall Construction

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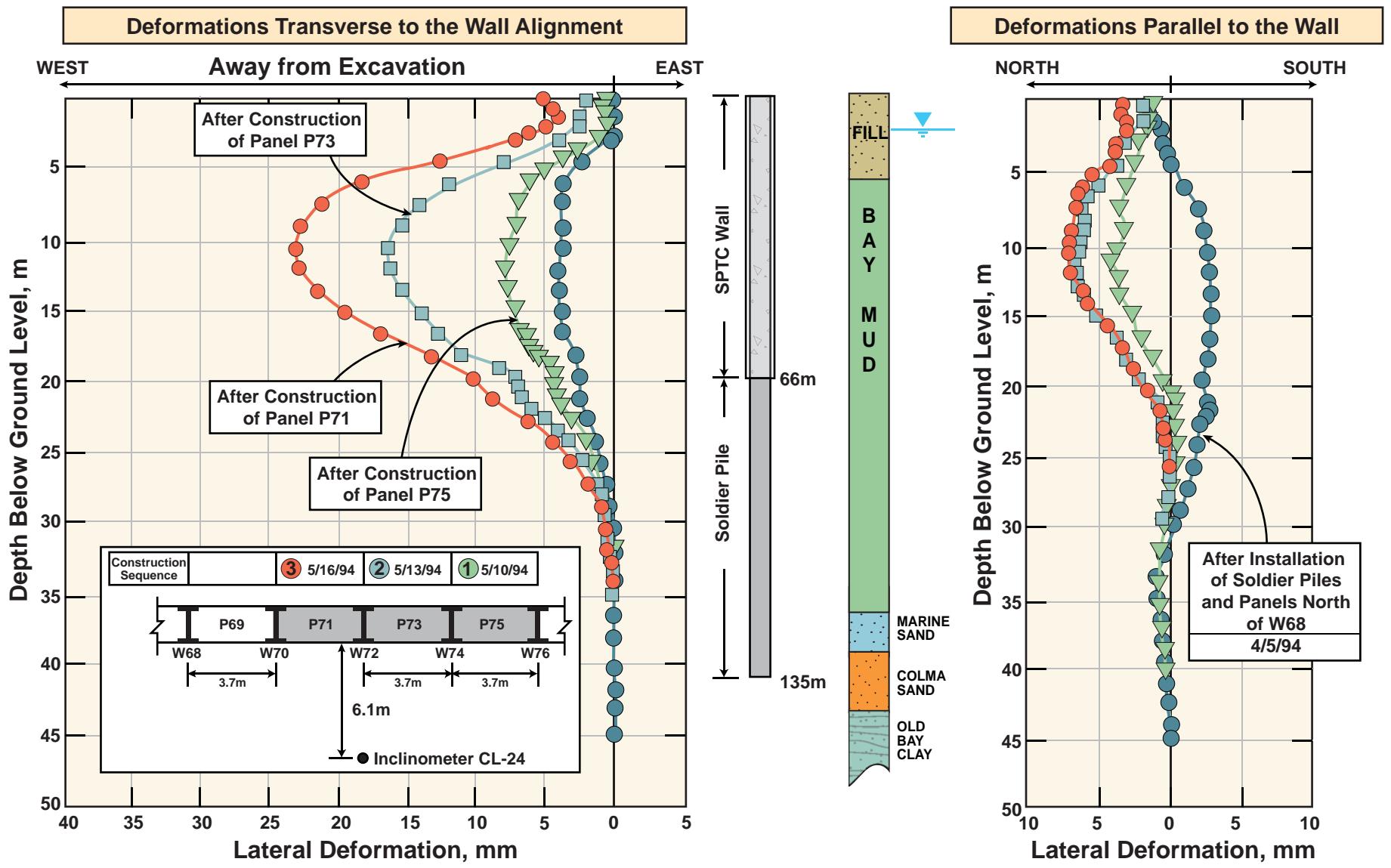
FIG_201B: Lateral Deformations During SPTC Wall Construction

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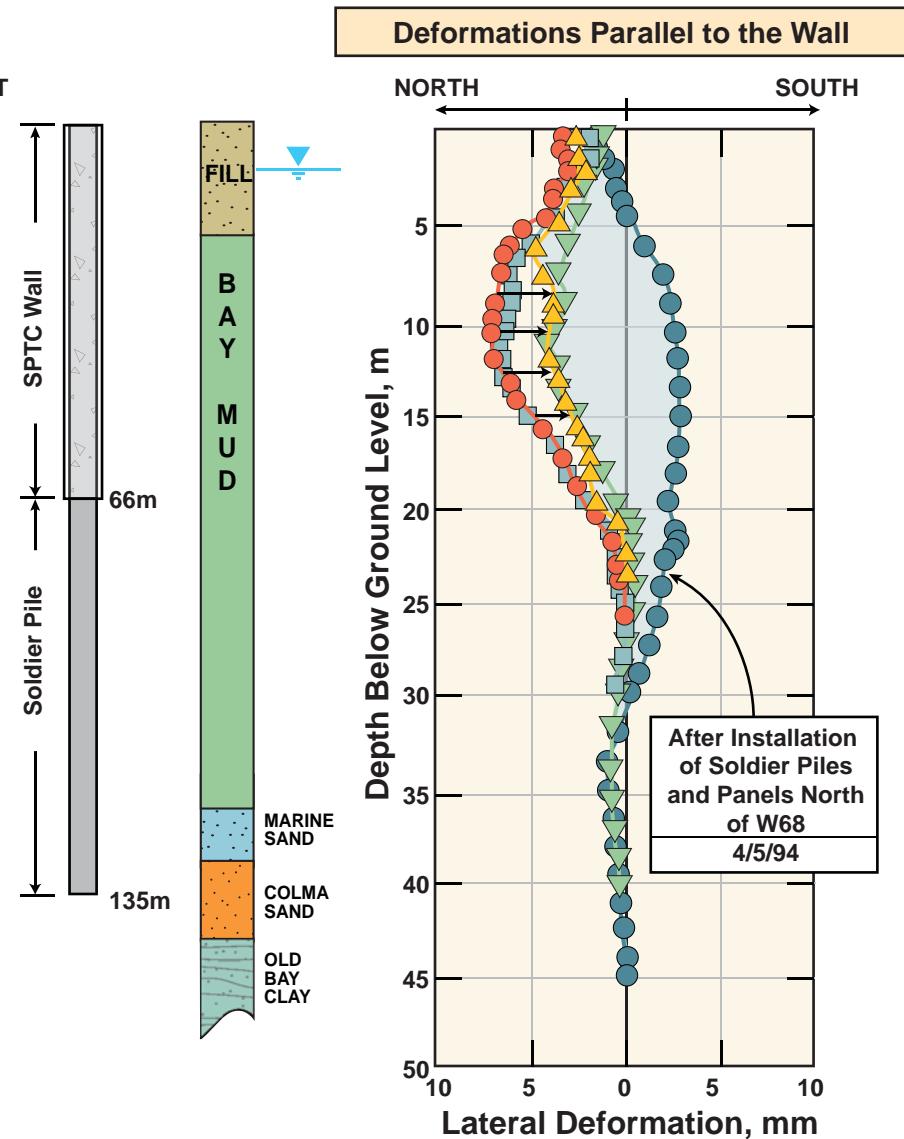
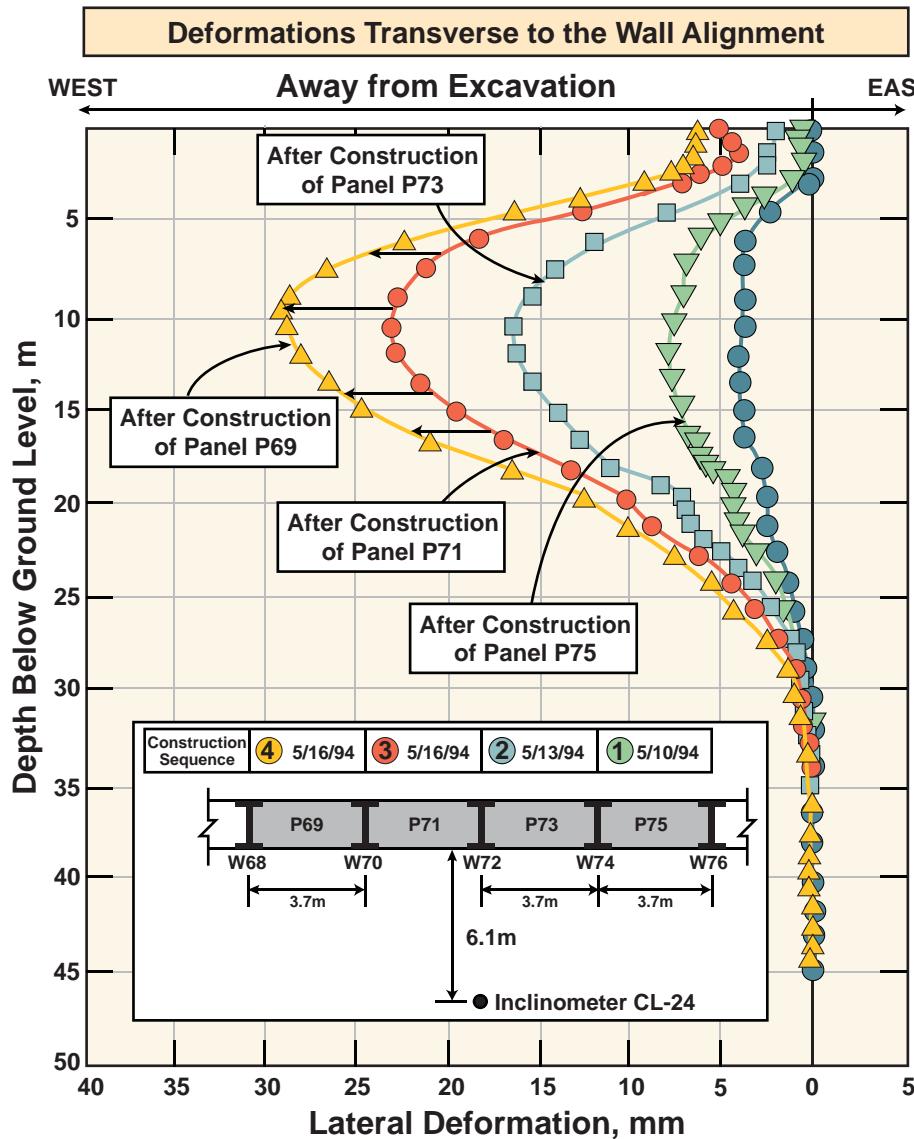
FIG_201C: Lateral Deformations During SPTC Wall Construction

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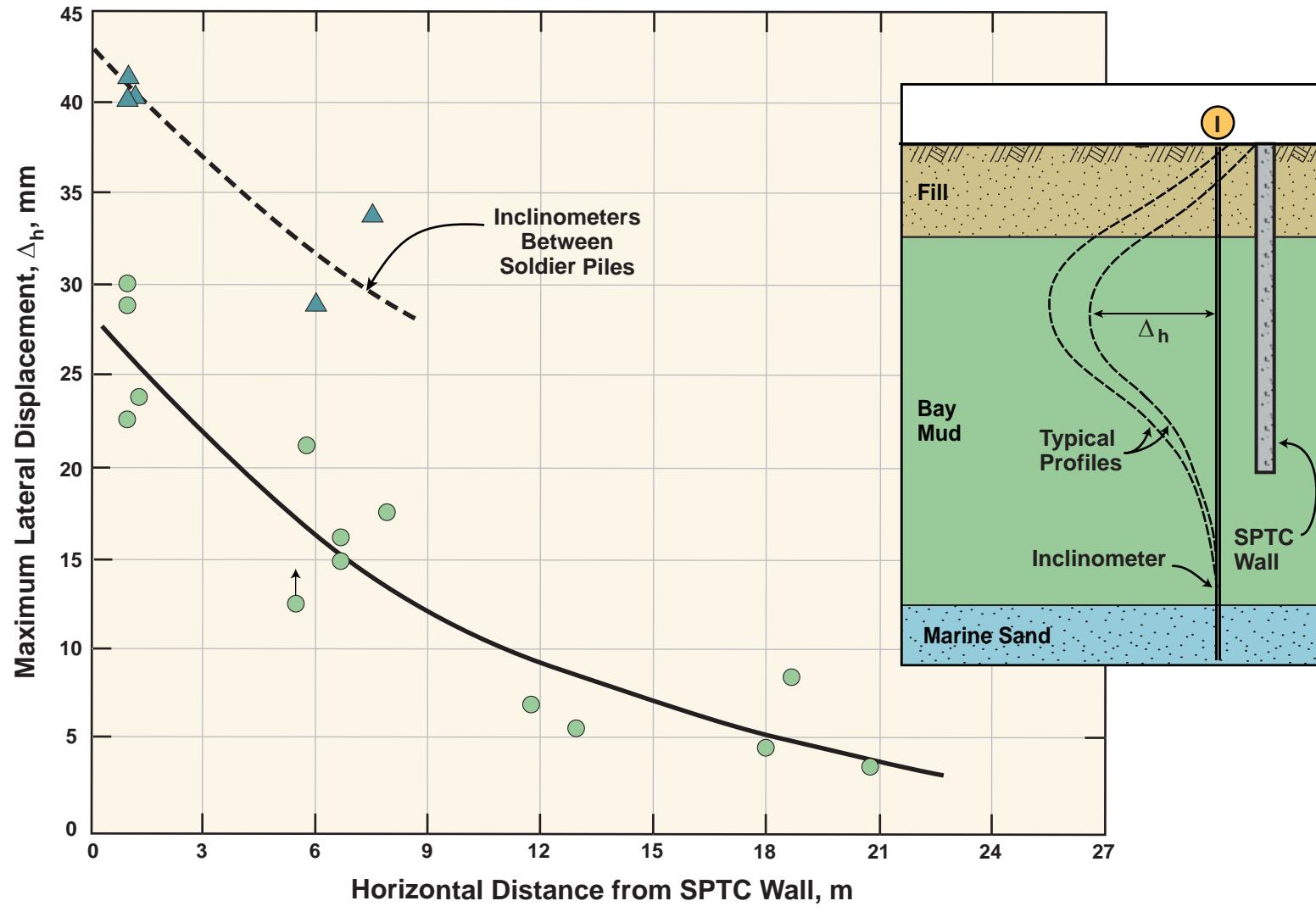
FIG_201D: Lateral Deformations During SPTC Wall Construction

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FIG_201E: Lateral Deformations During SPTC Wall Construction

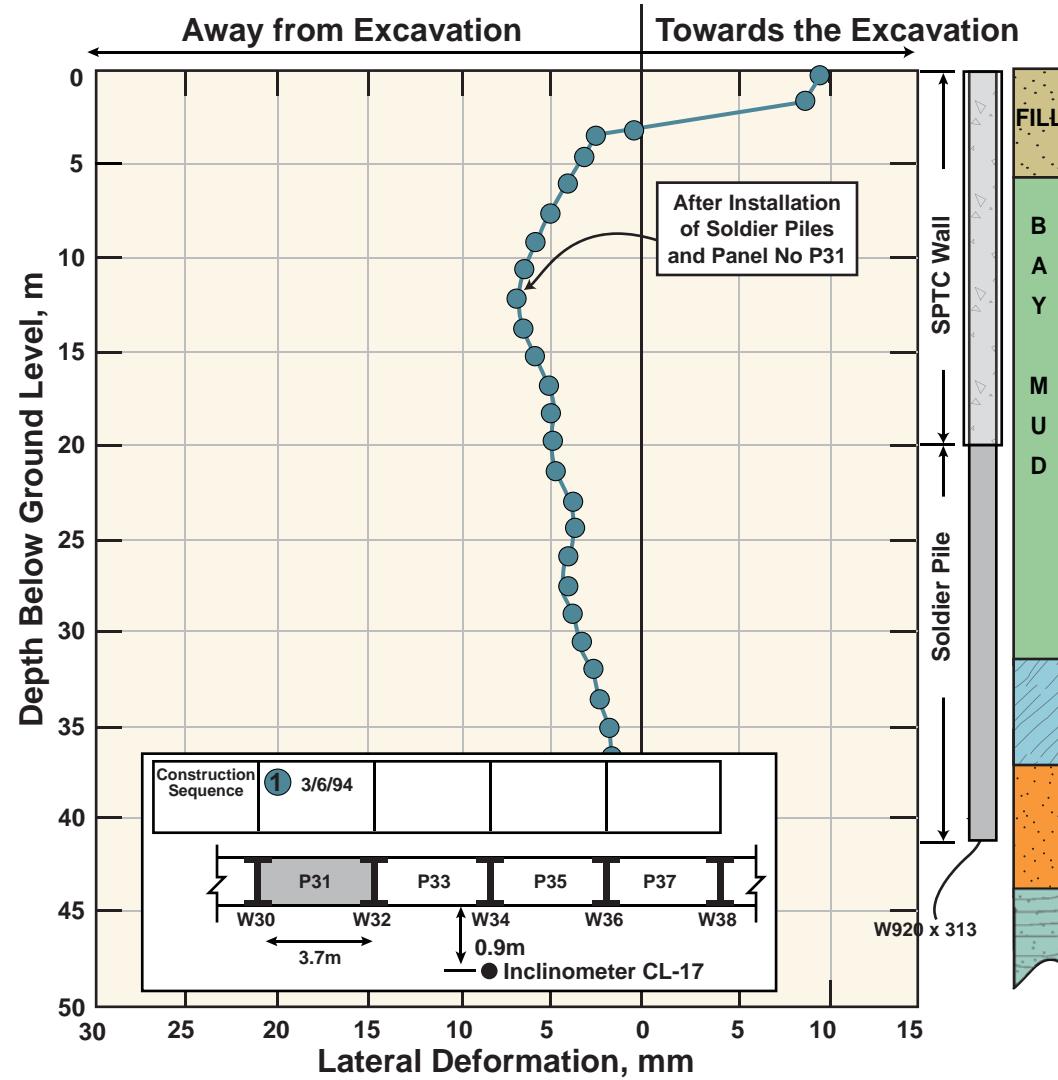
W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\Fig_201E



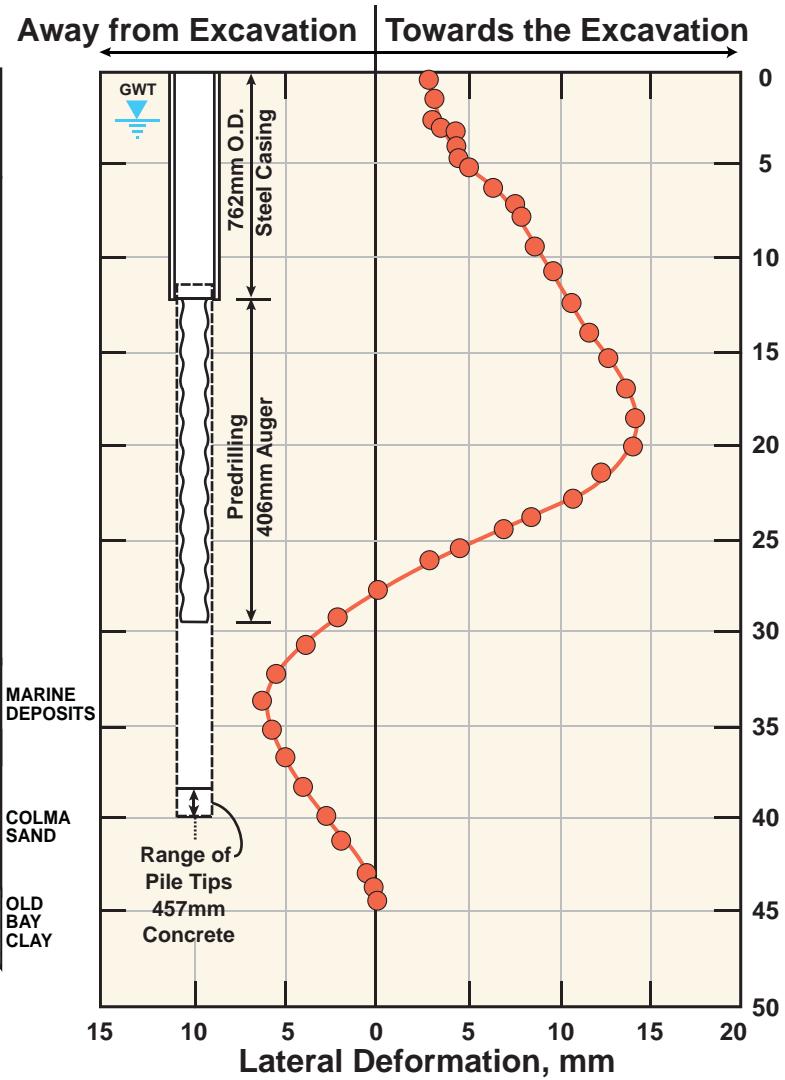
FIG_202: Variation of Lateral Deformations with Distance from Excavation Effects of SPTC Wall Construction

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Deformations Caused by Construction of SPTC Walls

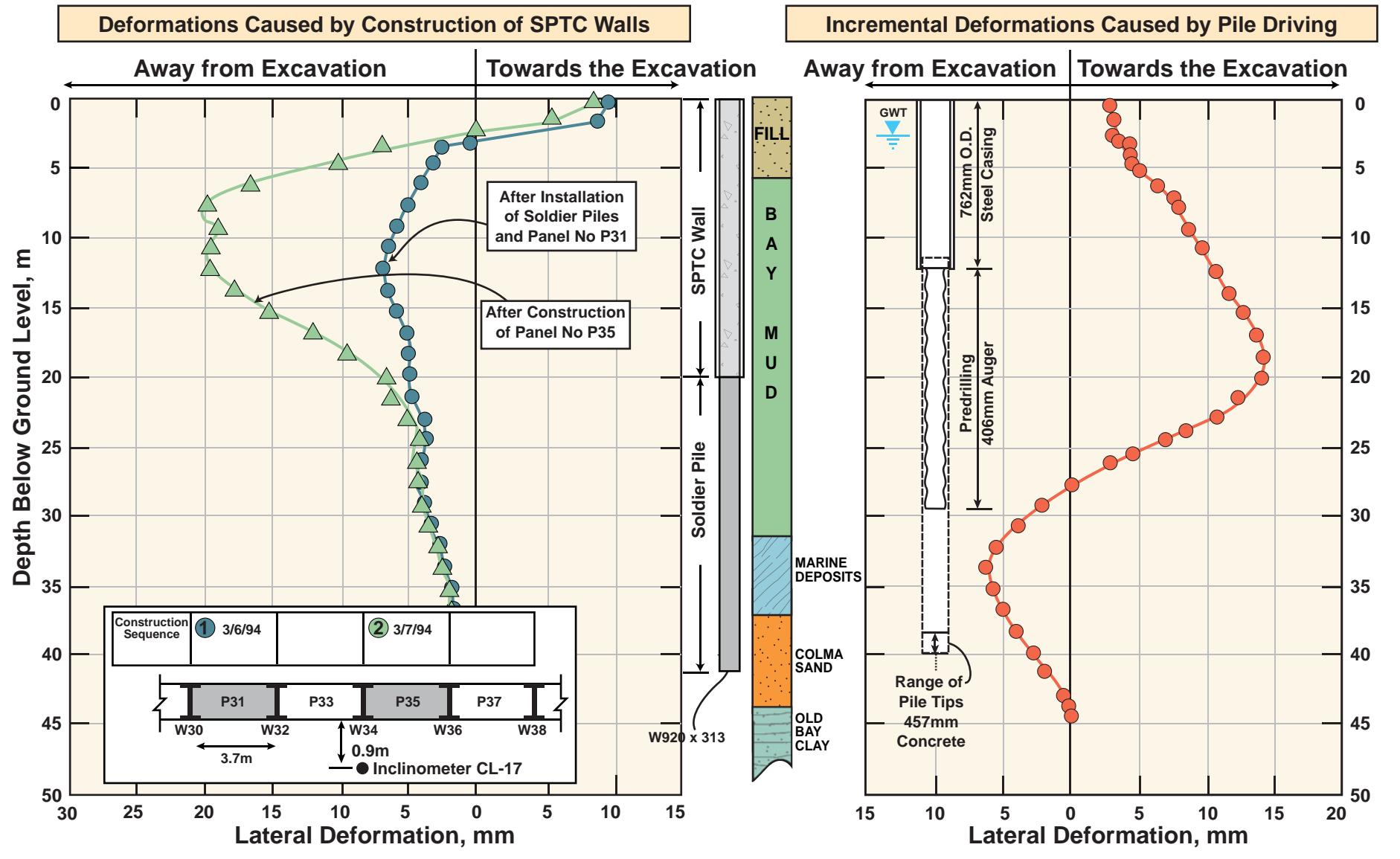


Incremental Deformations Caused by Pile Driving



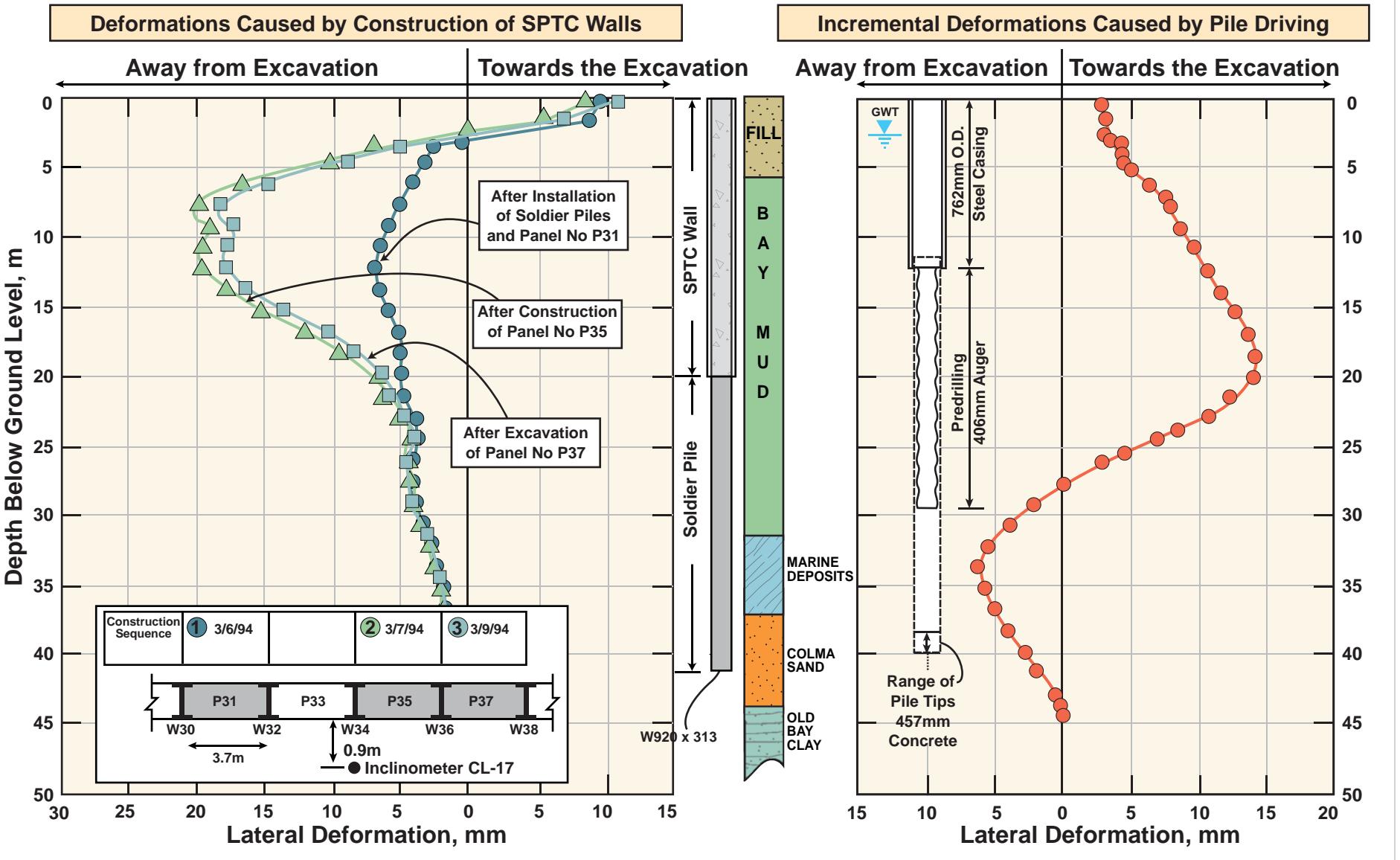
FIG_203A: Lateral Deformations Caused by SPTC Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_203A



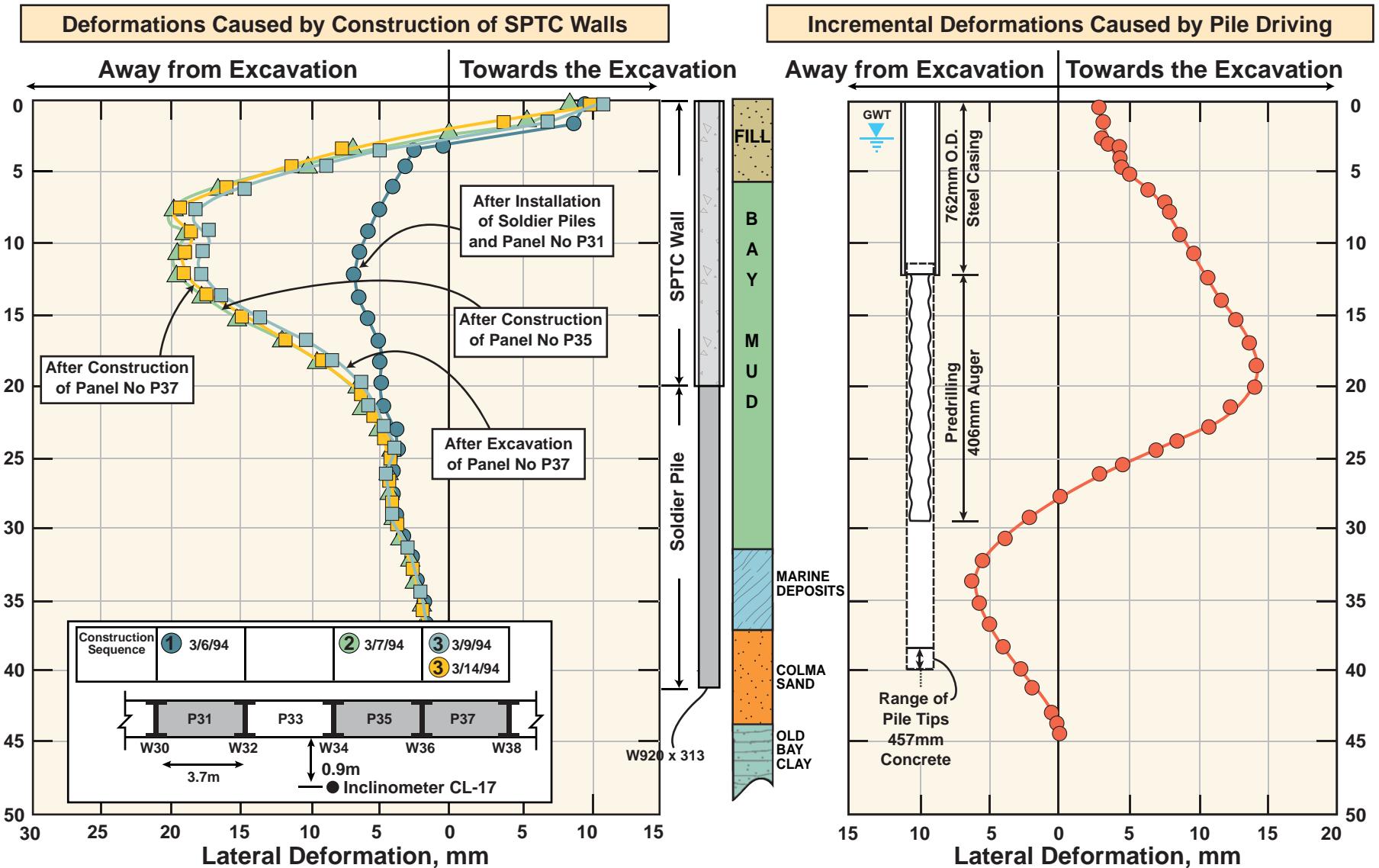
FIG_203B: Lateral Deformations Caused by SPTC Wall Construction

WW:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_203B



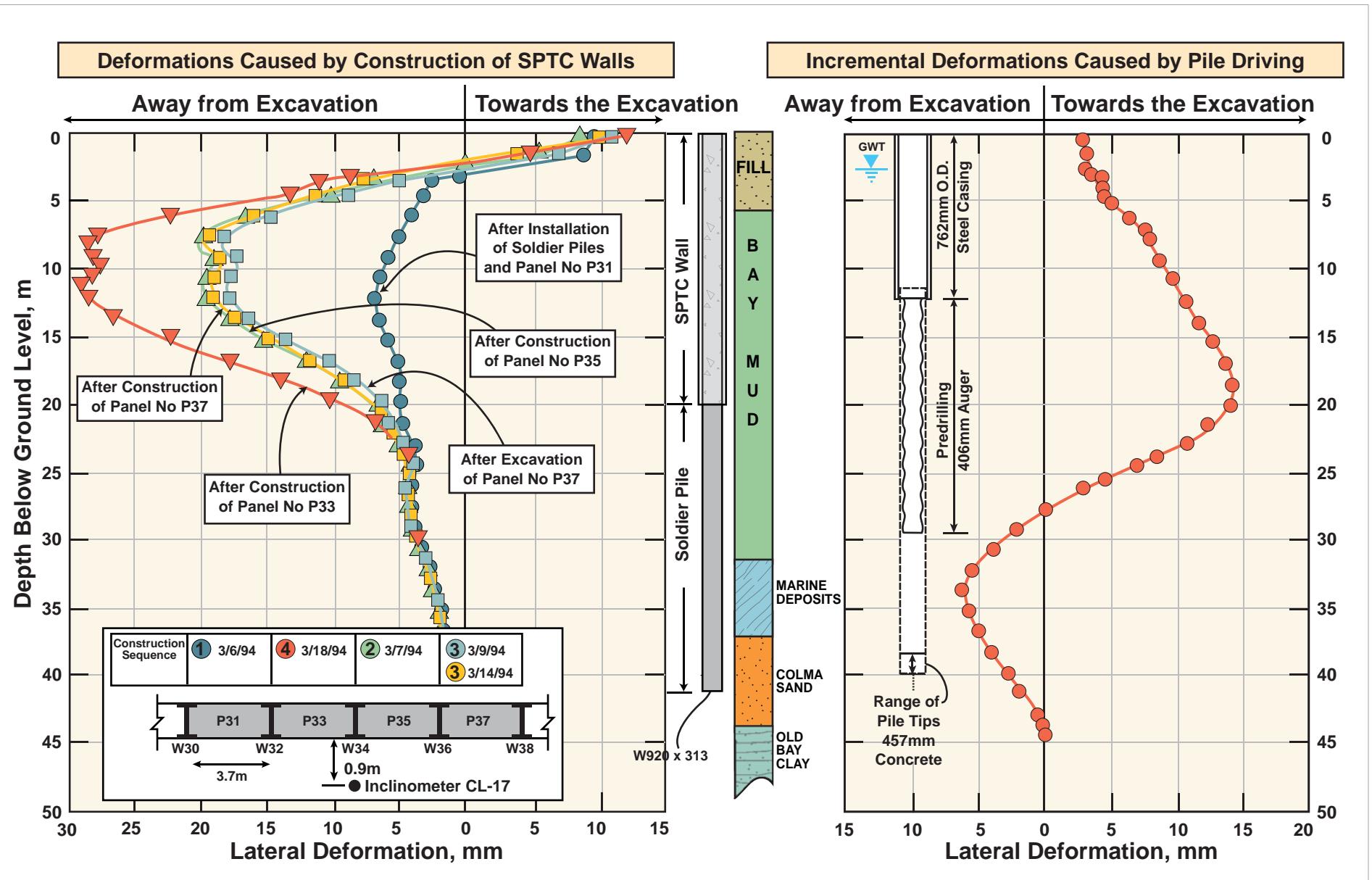
FIG_203C: Lateral Deformations Caused by SPTC Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_203C



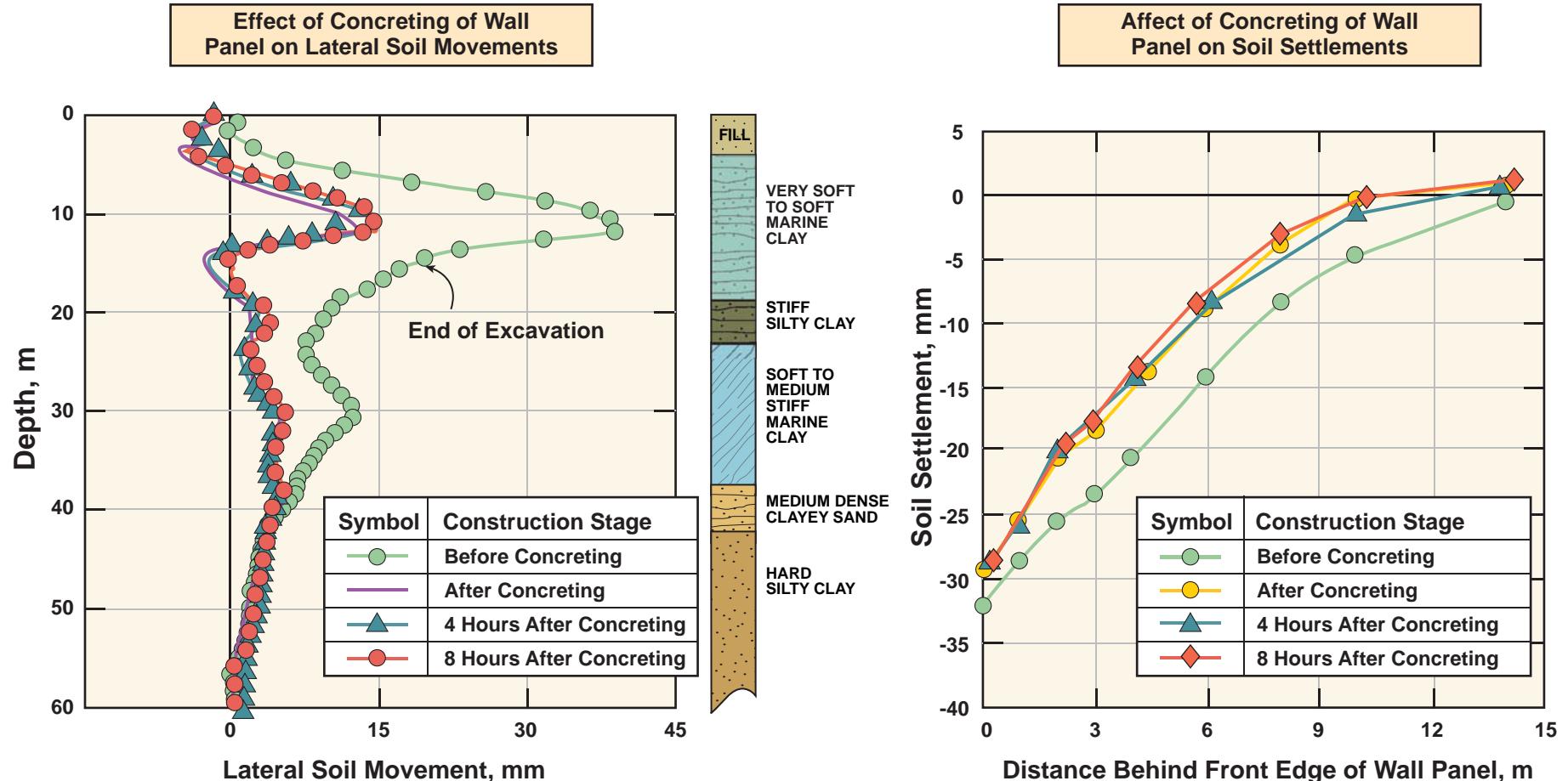
FIG_203D: Lateral Deformations Caused by SPTC Wall Construction

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FIG_203E: Lateral Deformations Caused by SPTC Wall Construction

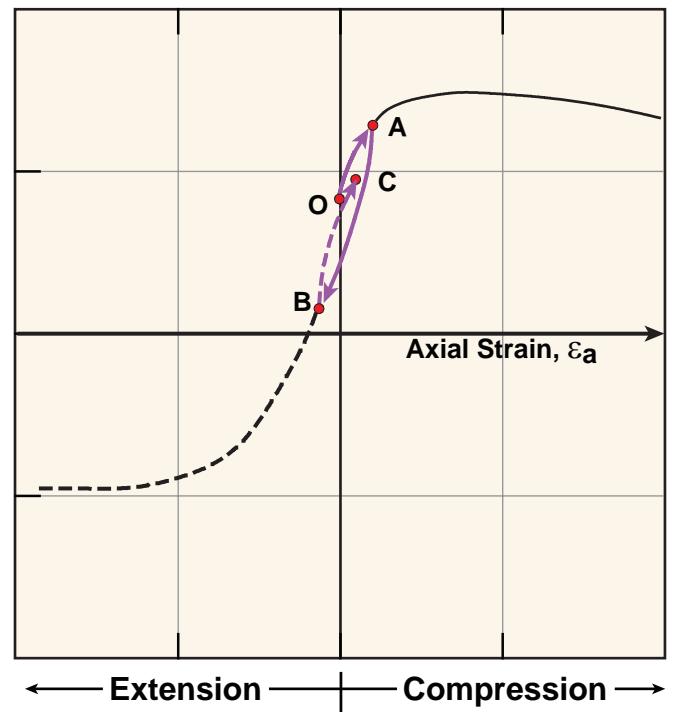
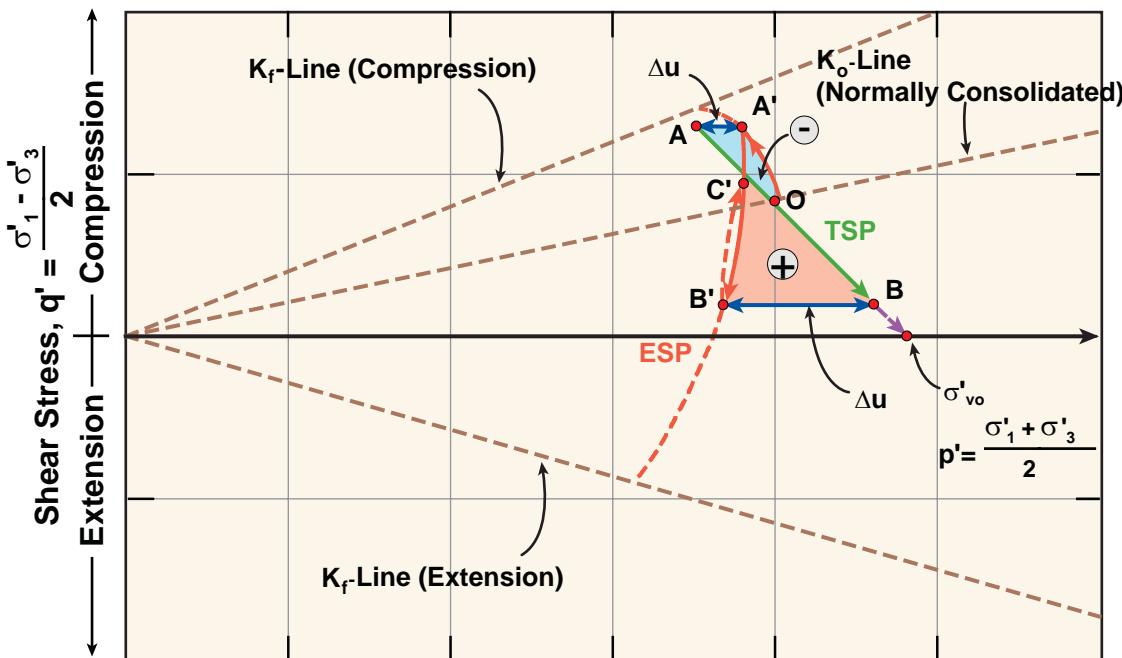
W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_203E



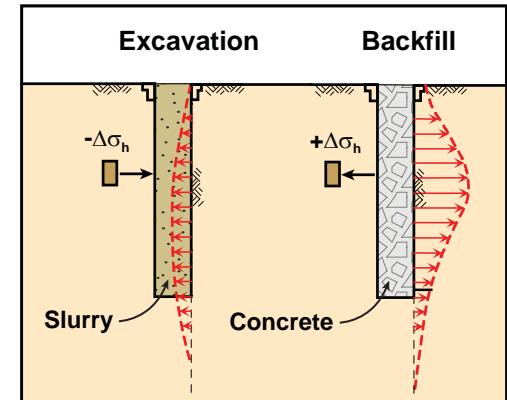
Source: (Poh and Wong, 1998)

FIG_204: Deformations Caused by Construction of Slurry Walls in Soft Clays in Singapore

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Stress Path ID	Physical Condition	Stress Changes
O-A'	Excavation of Slurry Trench Compression - Loading	σ'_{vo} σ_h $\Delta\sigma_h = \sigma_{hA}$
A'-B'	Trench Backfilled with Concrete	σ'_{vo} σ_{hB} $\Delta\sigma_h = \sigma_{hB}$
B'-C'	Concrete Shrinkage + Inward Deflection of Wall	Reduction in Total Horizontal Stress



FIG_205: Stress Changes and Deformations During Slurry Wall Construction

W:\Infrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\09 SLURRY WALL (192-205)\FIG_205