

APPENDIX E

LEVEE GEOLOGIC SECTIONS

Evaluation of Potential Groundwater Impacts Due to Proposed Construction for Natomas Levee Improvement Program

prepared for:

Sacramento Area Flood Control Agency
(SAFCA)

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May 4, 2009

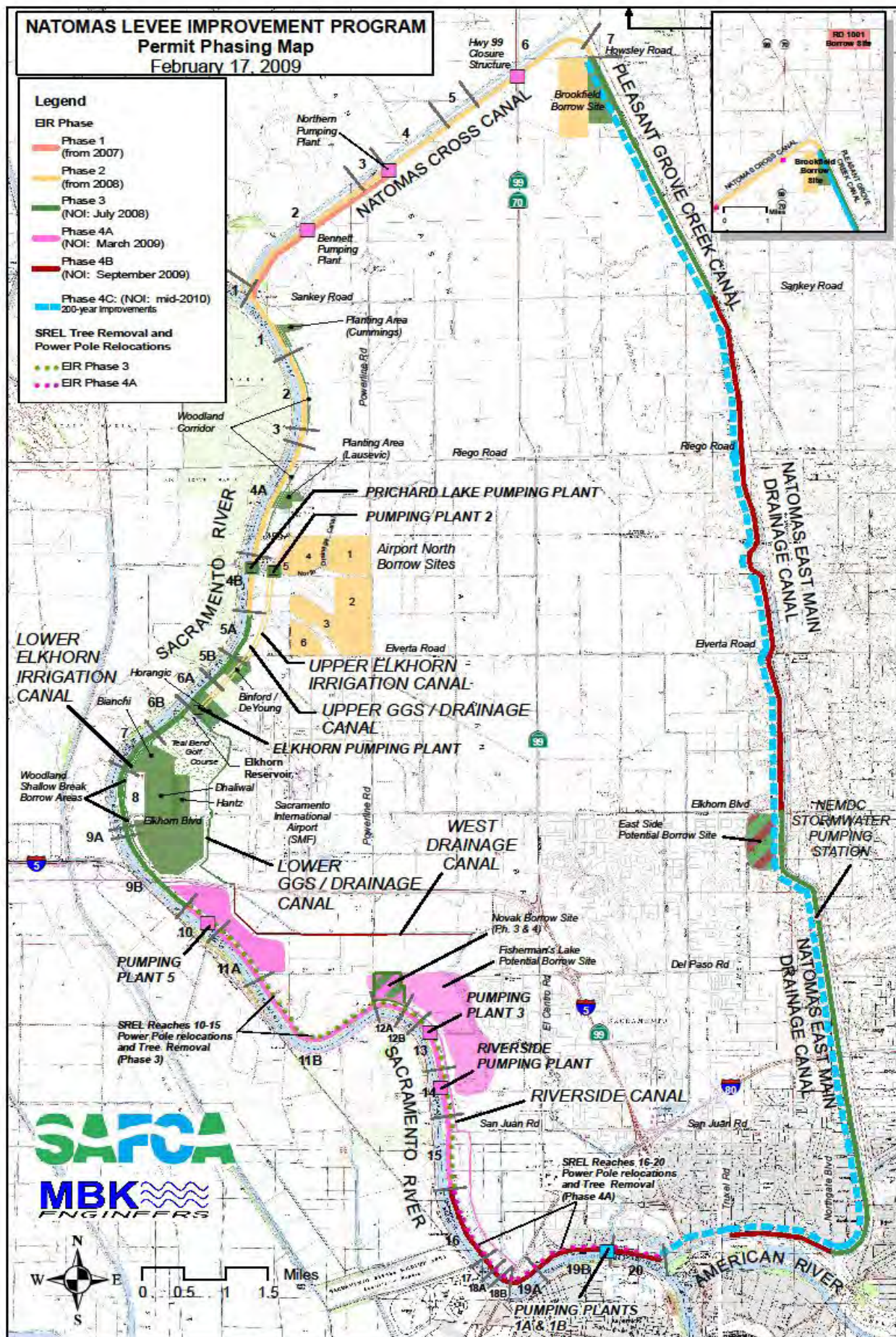


Figure 1-1
Proposed SAFCA Construction Locations
for Natomas Levee Improvement Program

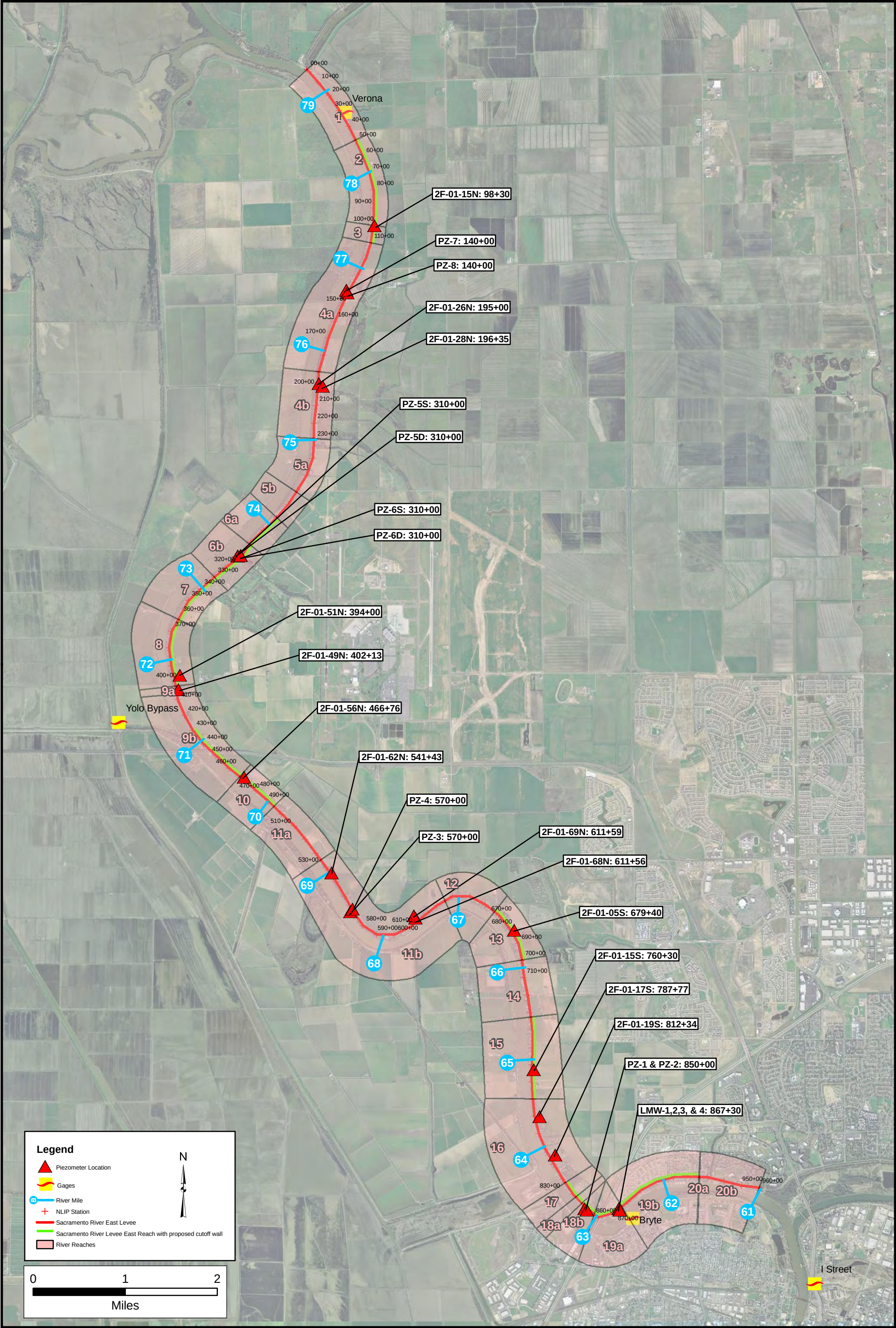
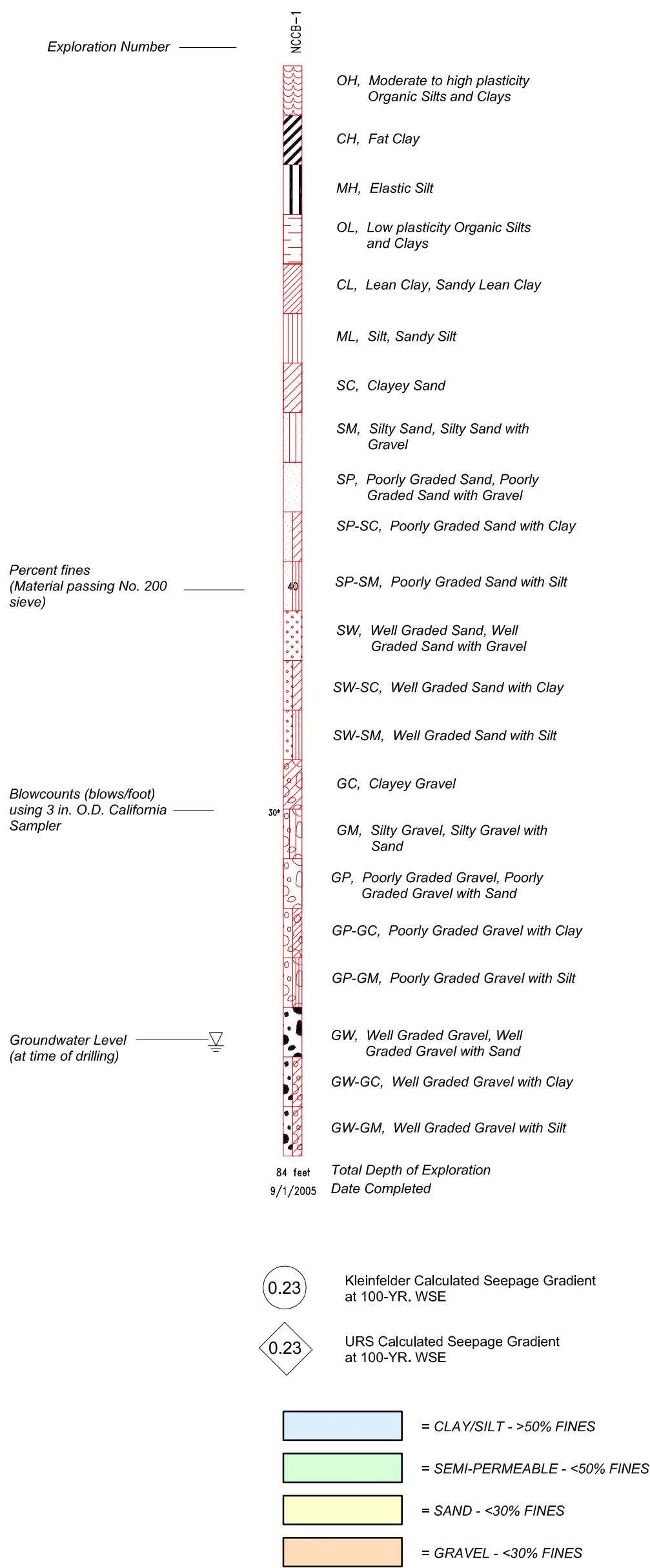


Figure 3-1
Piezometer Locations Along Sacramento
River East Levee in Natomas Basin

**SUBSURFACE PROFILE
SACRAMENTO RIVER EAST LEVEE**

LOG LEGEND



Notes:

1. Base drawings for these levee profiles, obtained in August 2005 from the Sacramento District U.S. Army Corps of Engineers (USACE) and used with their permission, include stick logs of previous explorations, a levee crown profile, a landside levee toe profile, notes regarding levee performance and completed levee improvements, and elevation scale based on the 1929 National Geodetic Vertical Datum (NGVD, 1929).
2. Logs of the following explorations were added to the USACE base drawings: Kleinfelder 2006 borings (SRE-06-XX); Kleinfelder 2005 borings (SRB-XX); Kleinfelder 2003/2004 Borings S-03-1, S-03-2, S-03-3, S-03-4.
3. Locations of explorations shown are approximate. See Plate 2A through 2E for approximate plan locations of explorations.
4. The log legend shown applies to Kleinfelder 2005 borings (SRB-XX) and Kleinfelder 2006 borings (SRE-06-XX). Caution is advised in using the legend for interpretation of other explorations.
5. Logs represent general soil conditions observed at the point of exploration on the date indicated. Refer to Kleinfelder's 2005 report and Kleinfelder's 2006 report for more detail on the Kleinfelder 2005 borings (SRB-XX) and 2006 borings (SRE-06-XX).
6. Lines separating strata on logs represent approximate boundaries only. Actual transitions may be gradual.
7. No warranty is provided as to the continuity of soil conditions between individual sample locations.
8. Approximate top of boring elevations for Kleinfelder 2006 borings (SRE-06-XX) were obtained using GPS equipment survey; Kleinfelder 2005 borings (SRB-XX) were estimated using topographic data obtained by USACE 1997.
9. The 1/100 AEP and 1/200 AEP water surface profiles shown were provided by MBK Engineerson August 18, 2006. See report for an explanation of these profiles and conditions.
10. Details regarding completed levee improvements have been added to those already on the USACE levee profile base drawings and were obtained from the USACE. Extents of completed levee improvements shown are approximate and are the same as indicated on the USACE profiles. Refer to USACE as-built drawings for actual extents.

KLEINFELDER

Drawn By: D.ROSS
Project No.: 72834AASRN

Date: 09/24/2007
Filename: 72834_P1.dwg

SACRAMENTO RIVER EAST LEVEE
Basis of Design Report
Sacramento River East Levee Reaches 1 through 4B
Natomas Basin Evaluation
Sacramento and Sutter Counties, California

PLATE

3A

