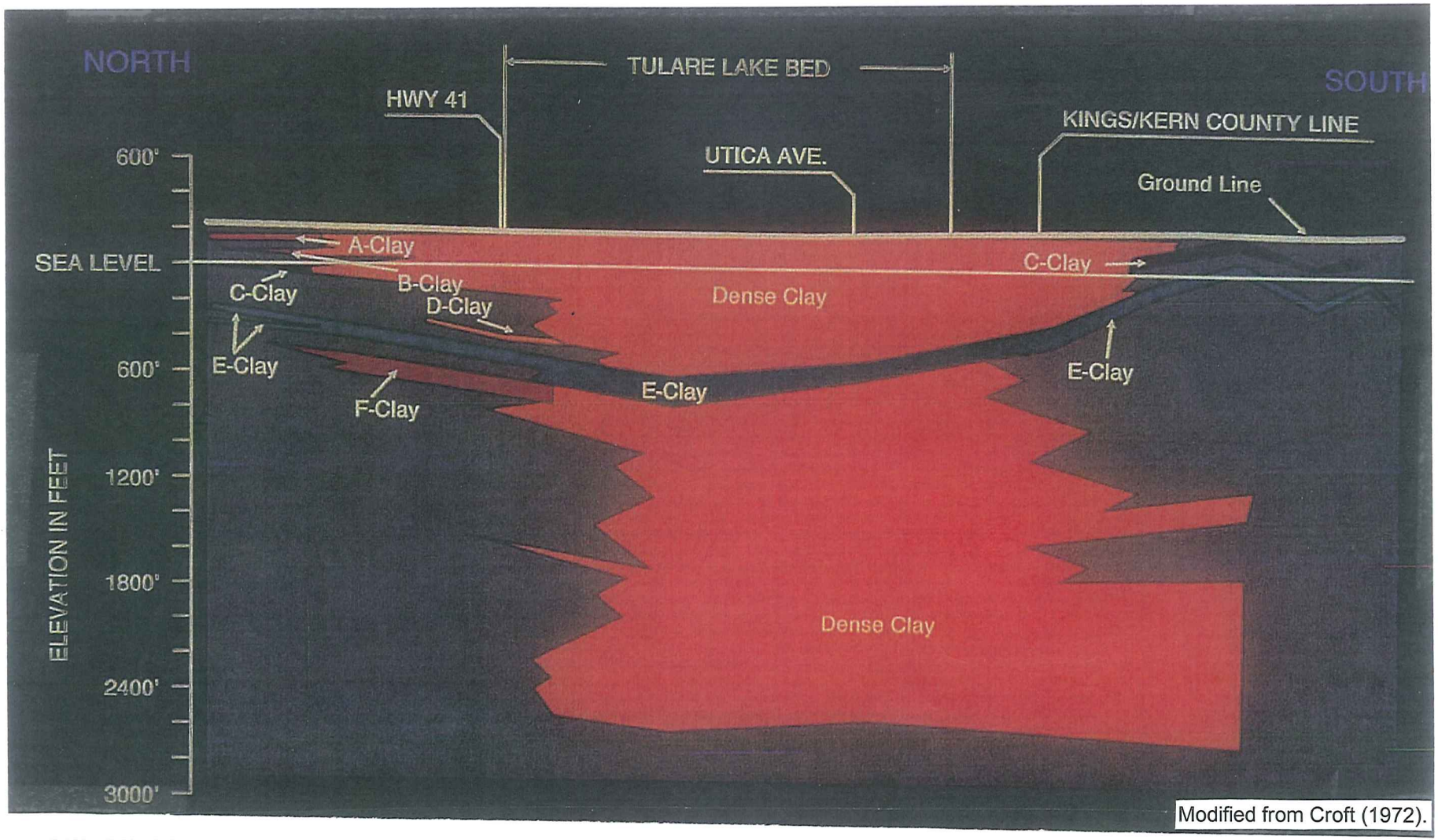

FIGURE 4-1 -GENERALIZED SUBSURFACE GEOLOGIC CROSS SECTION FOR TULARE LAKEBED AREA

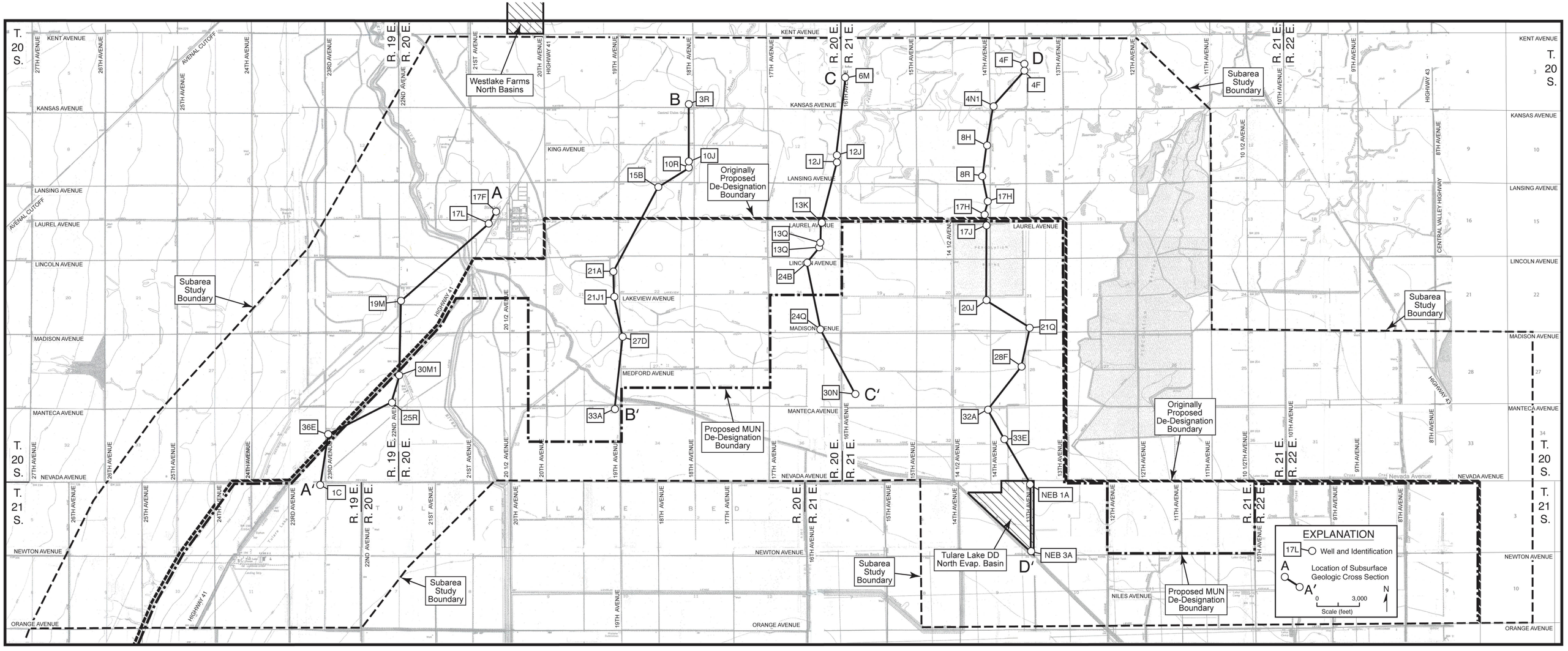

FIGURE 4-2 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTIONS IN NORTH SUBAREA

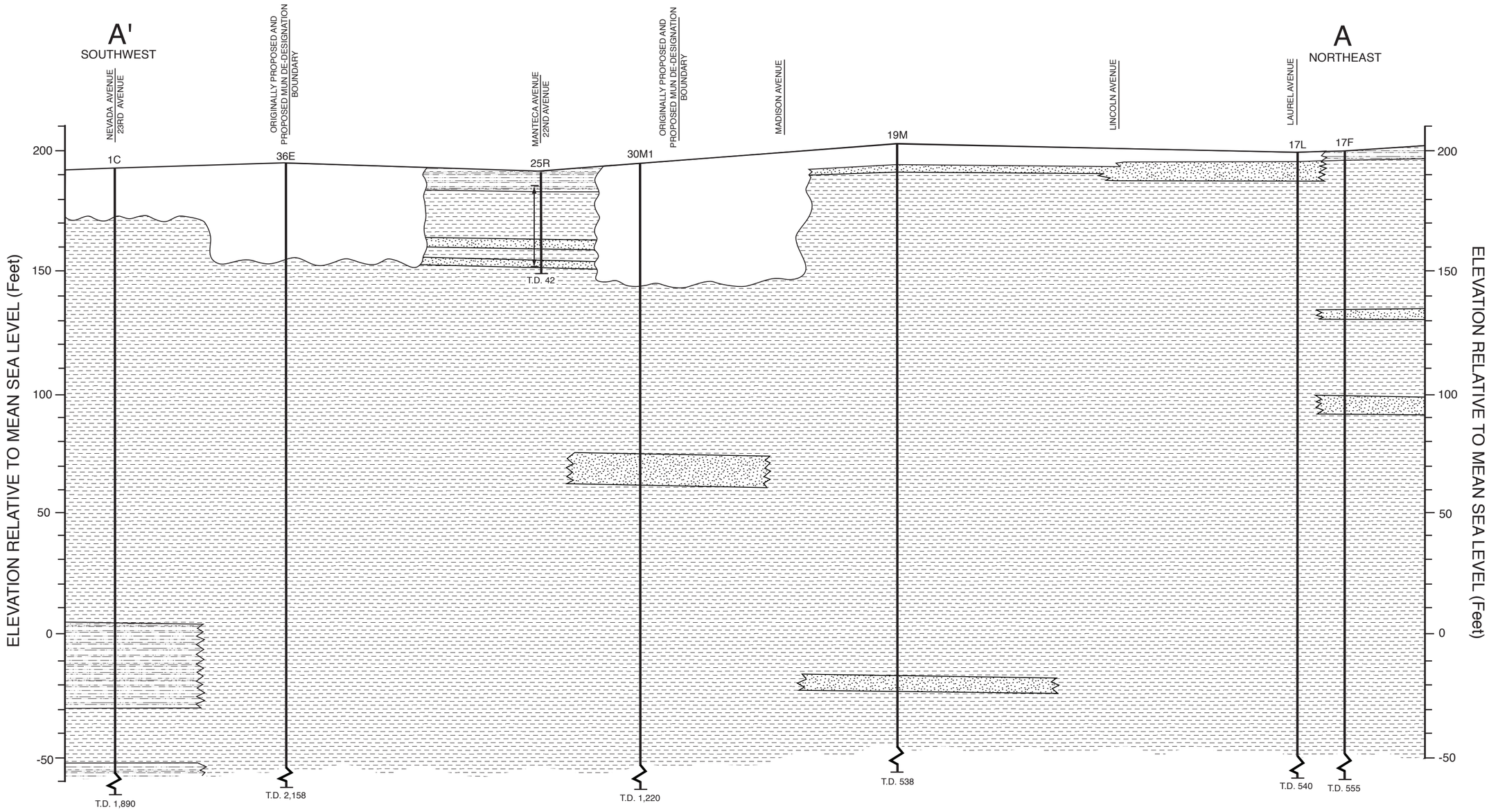

FIGURE 4-3 - SUBSURFACE GEOLOGIC CROSS SECTION A - A'

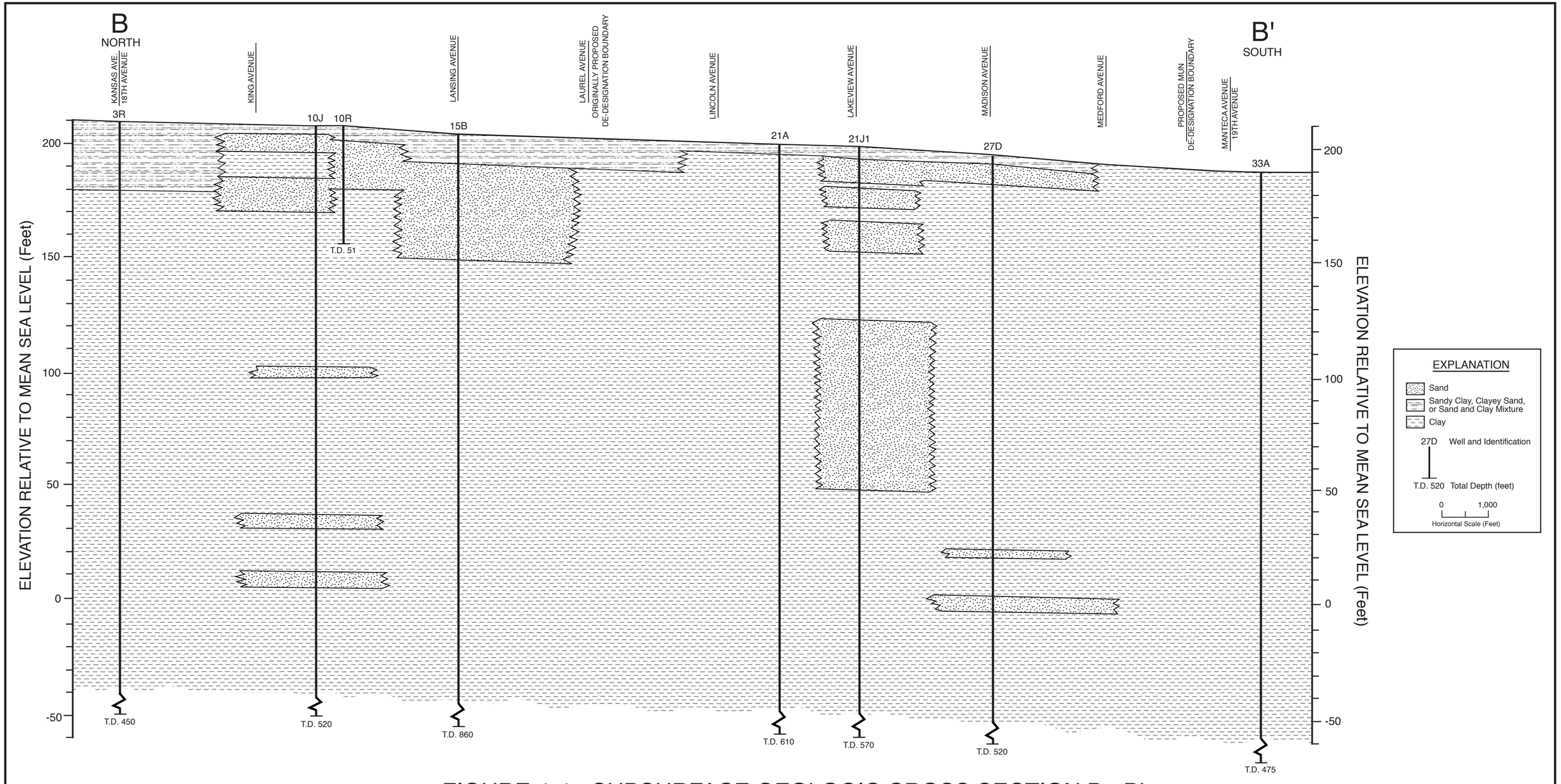

FIGURE 4-4 - SUBSURFACE GEOLOGIC CROSS SECTION B - B'

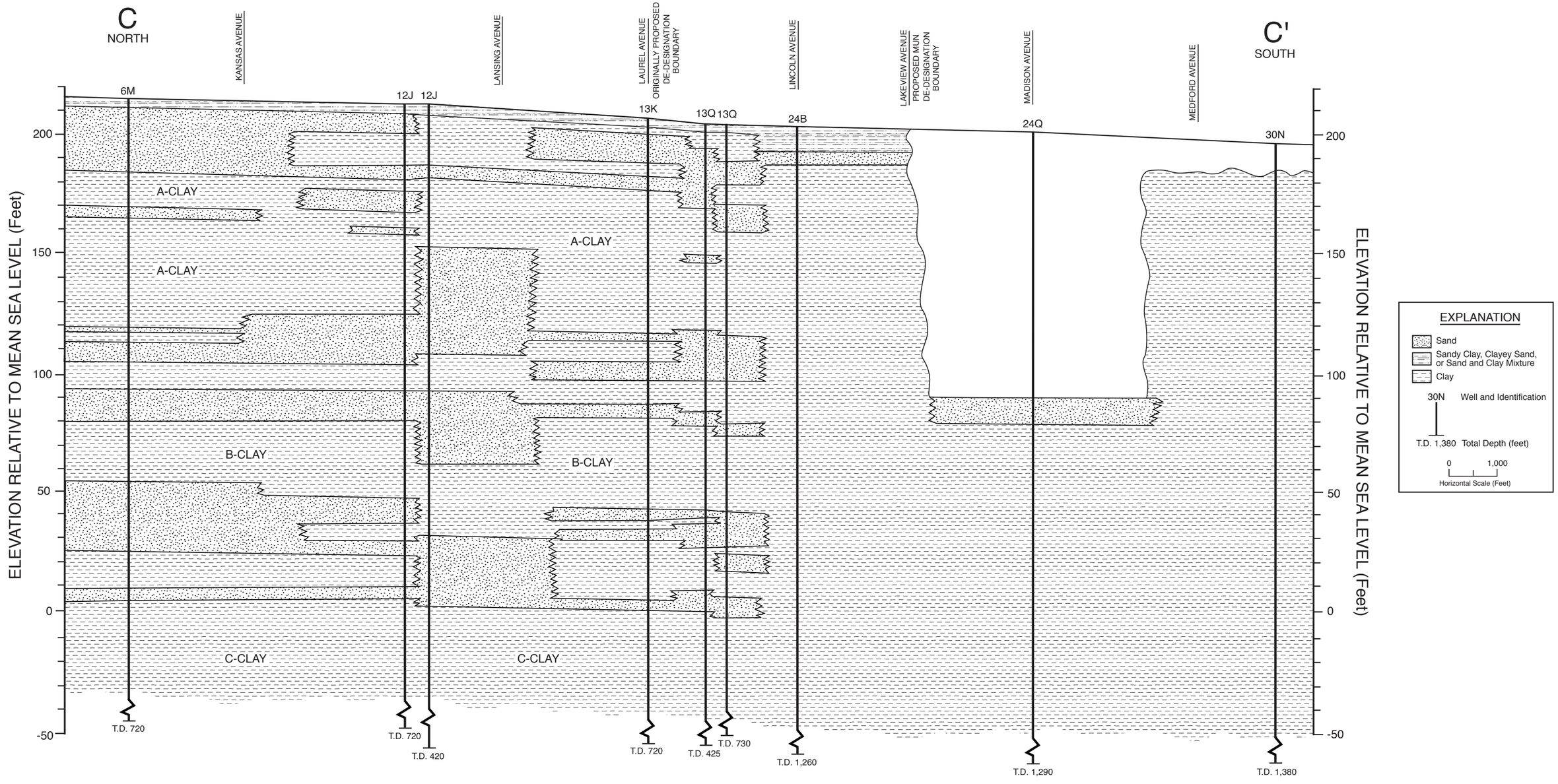

FIGURE 4-5 - SUBSURFACE GEOLOGIC CROSS SECTION C - C'

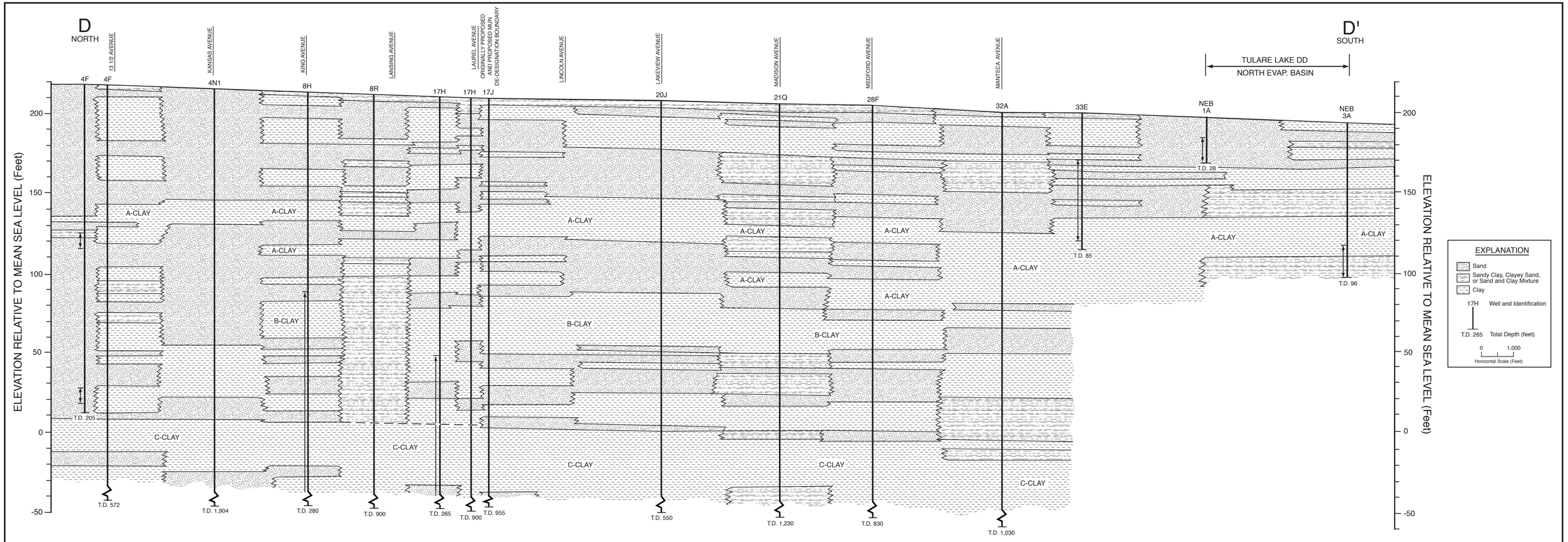

FIGURE 4-6 - SUBSURFACE GEOLOGIC CROSS SECTION D - D'

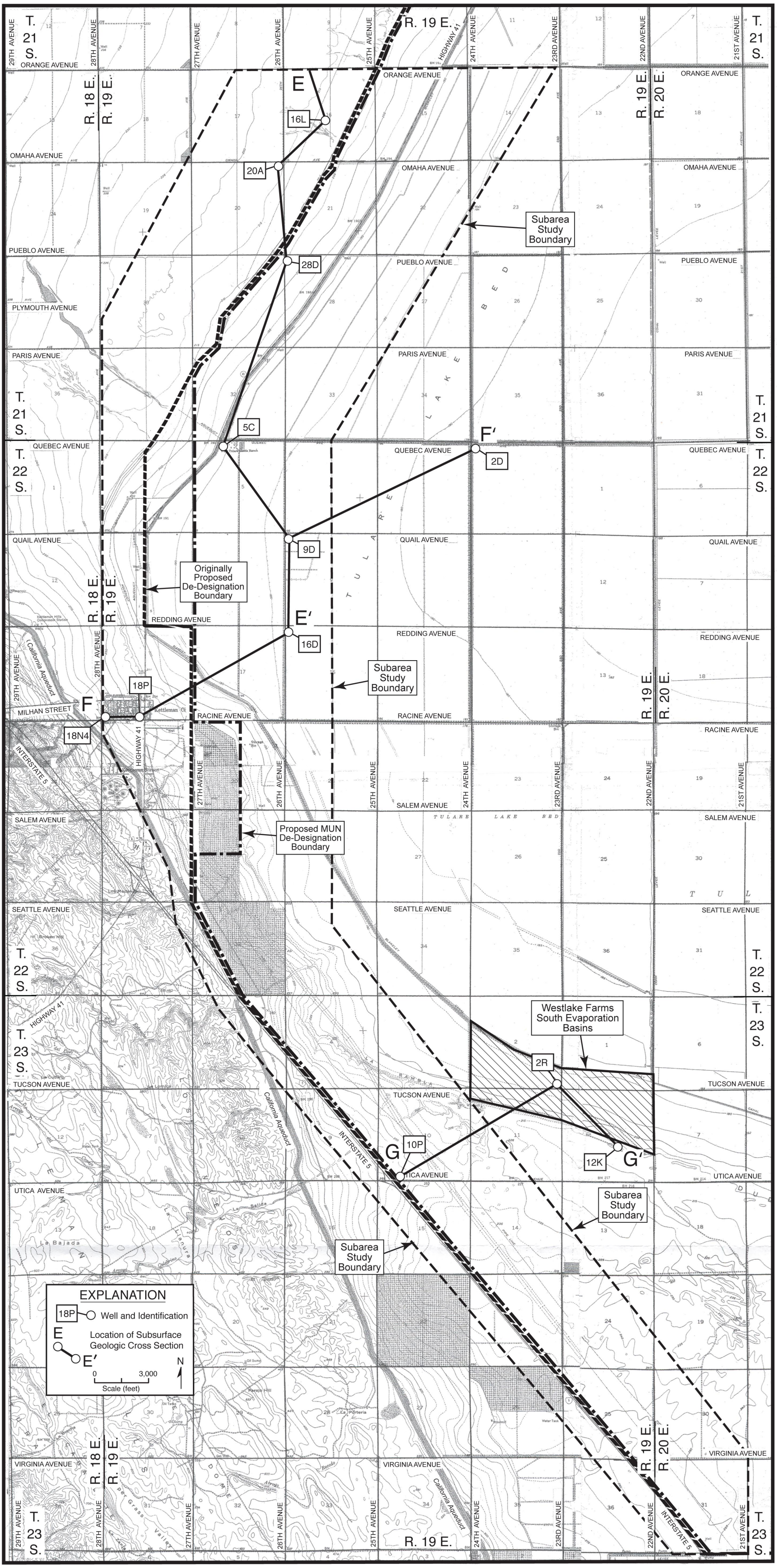

FIGURE 4-7 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTIONS IN WEST SUBAREA

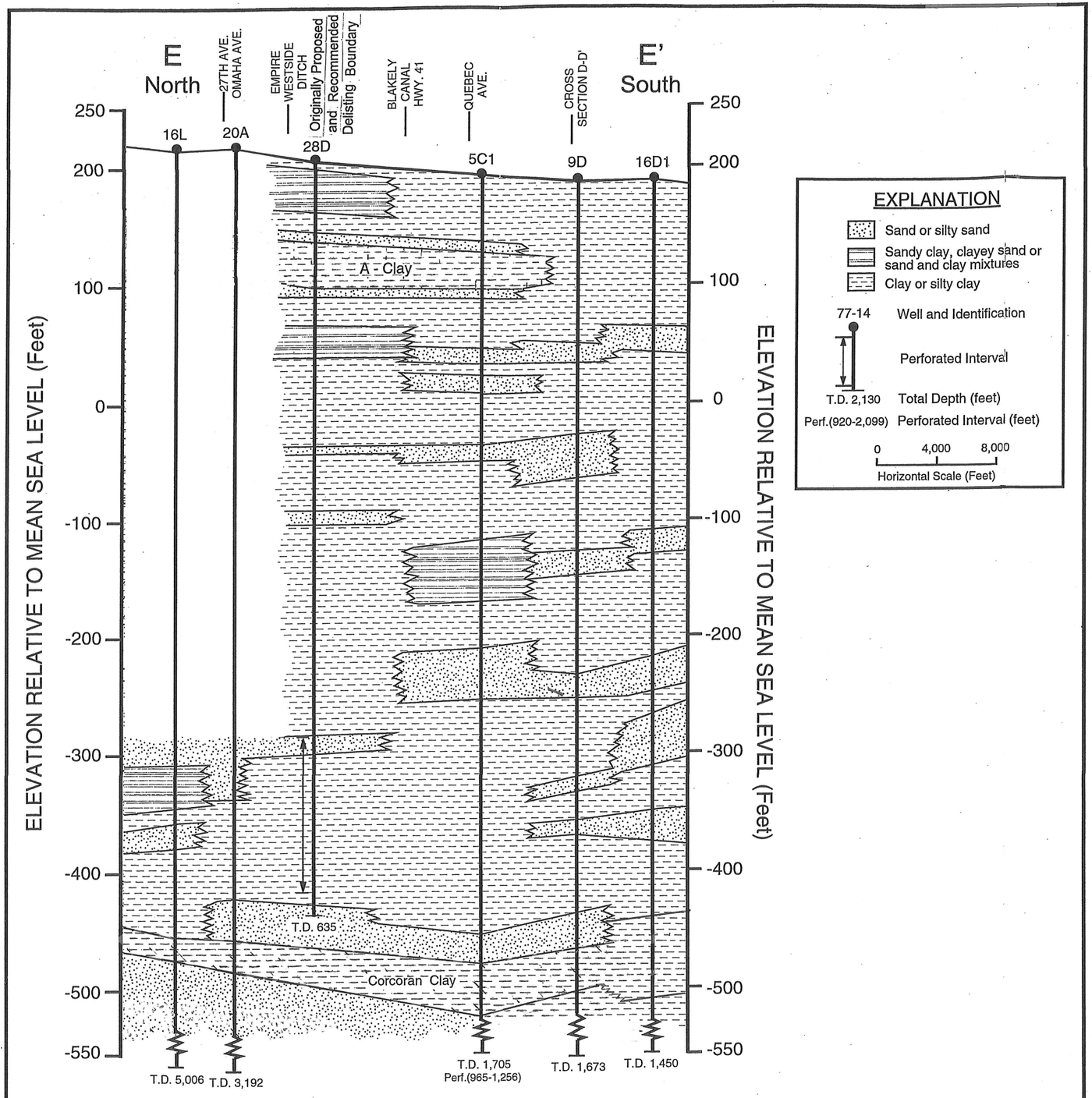

FIGURE 4-8-SUBSURFACE GEOLOGIC CROSS SECTION E-E'

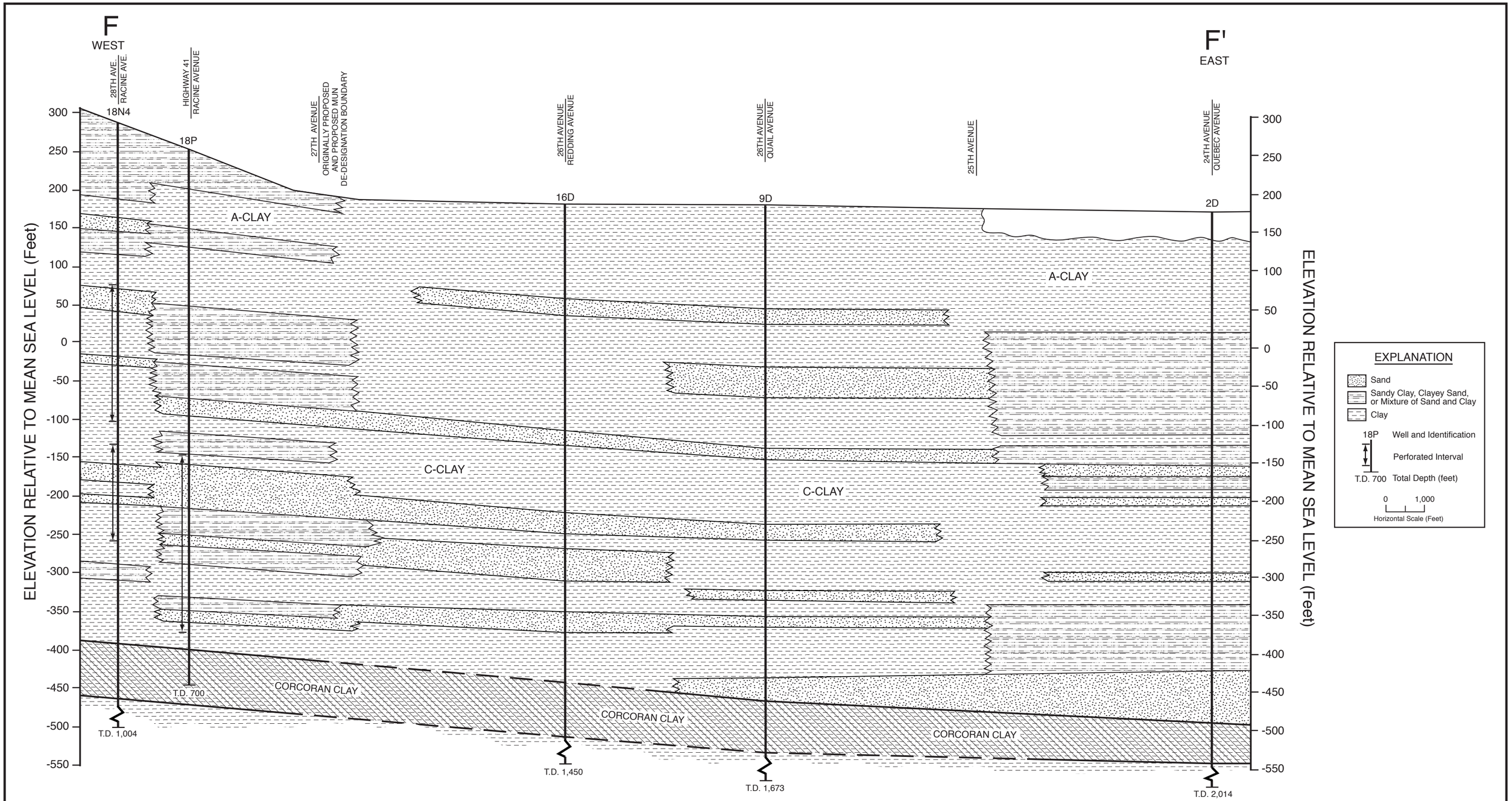

FIGURE 4-9 - SUBSURFACE GEOLOGIC CROSS SECTION F - F'

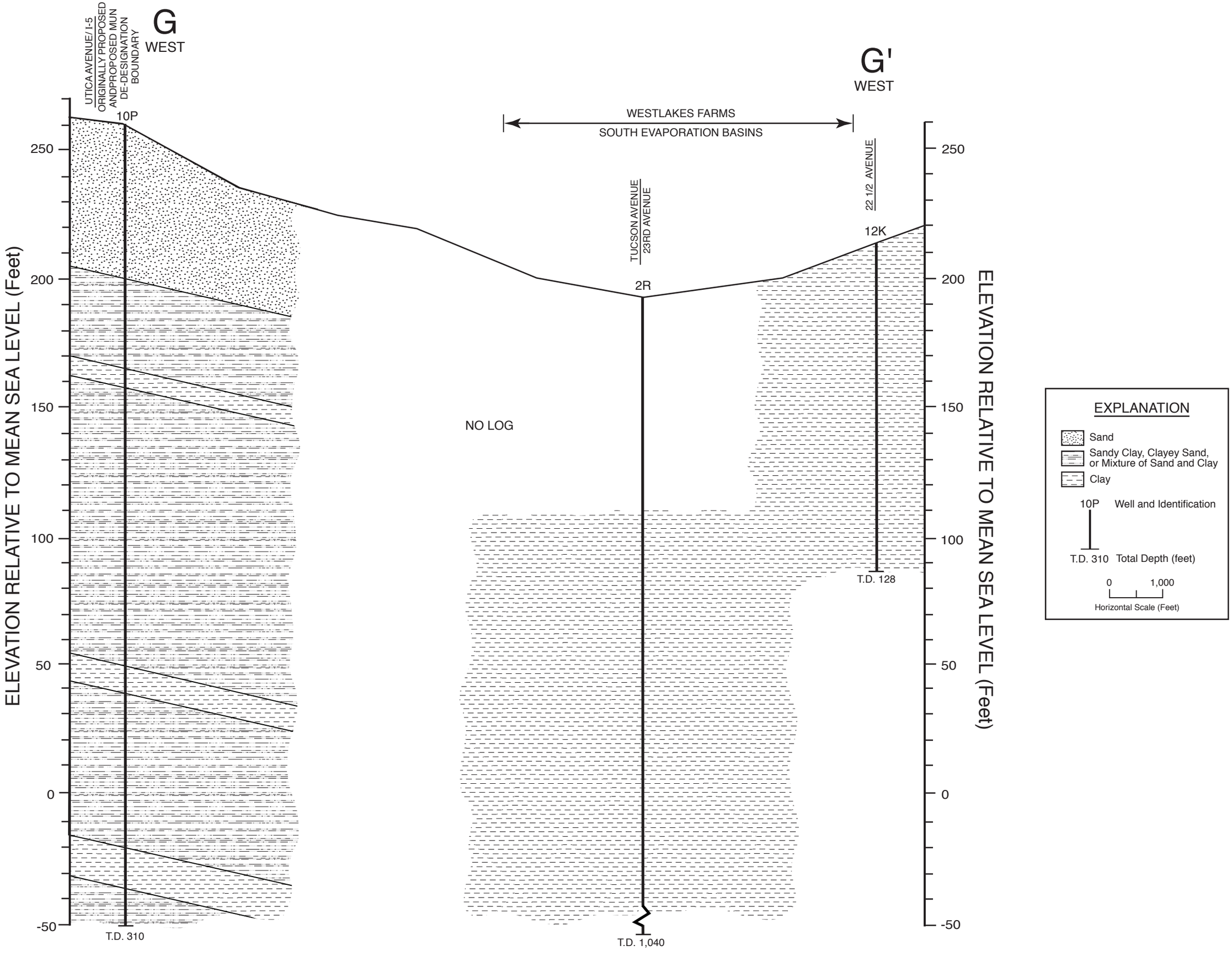

FIGURE 4-10 - SUBSURFACE GEOLOGIC CROSS SECTION G - G'

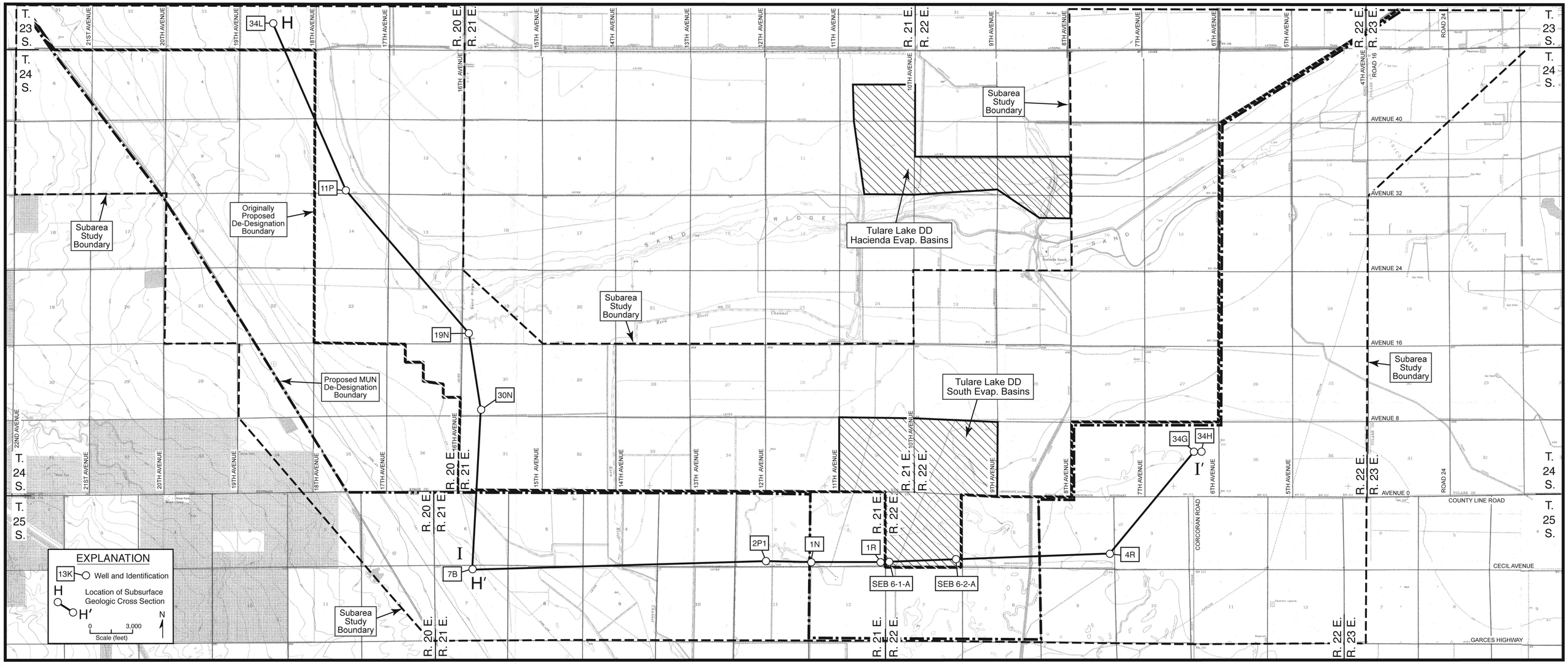

FIGURE 4-11 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTIONS IN SOUTH SUBAREA

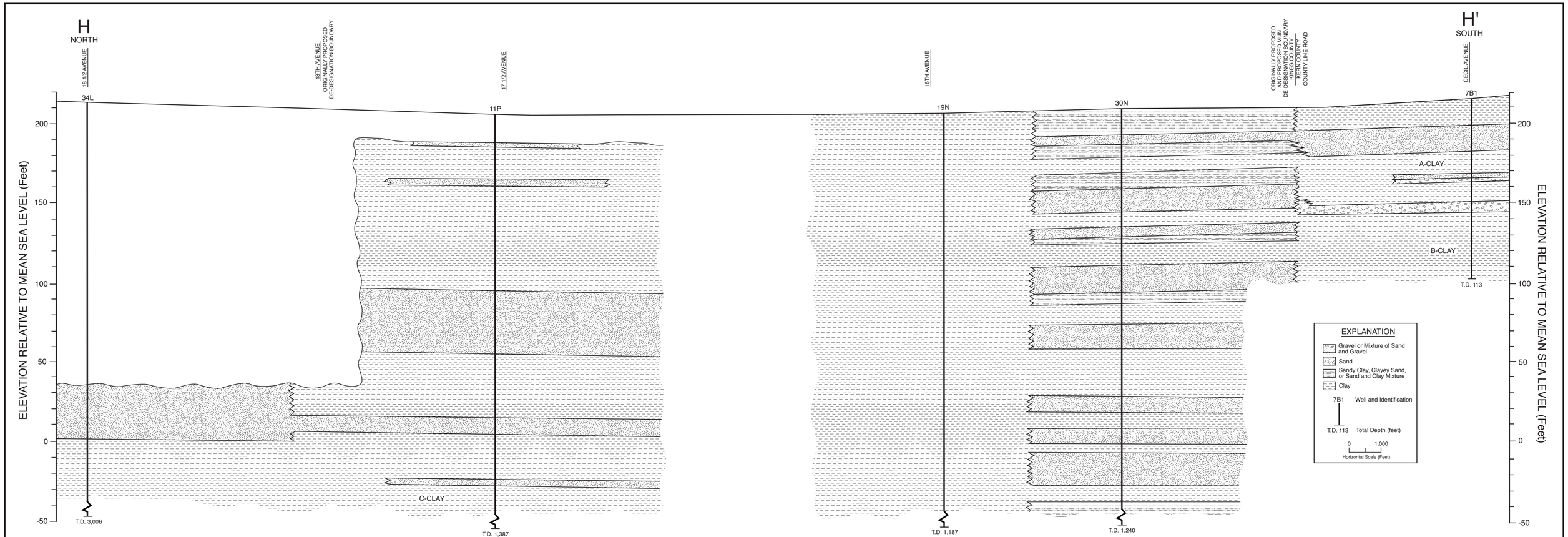

FIGURE 4-12 - SUBSURFACE GEOLOGIC CROSS SECTION H - H'

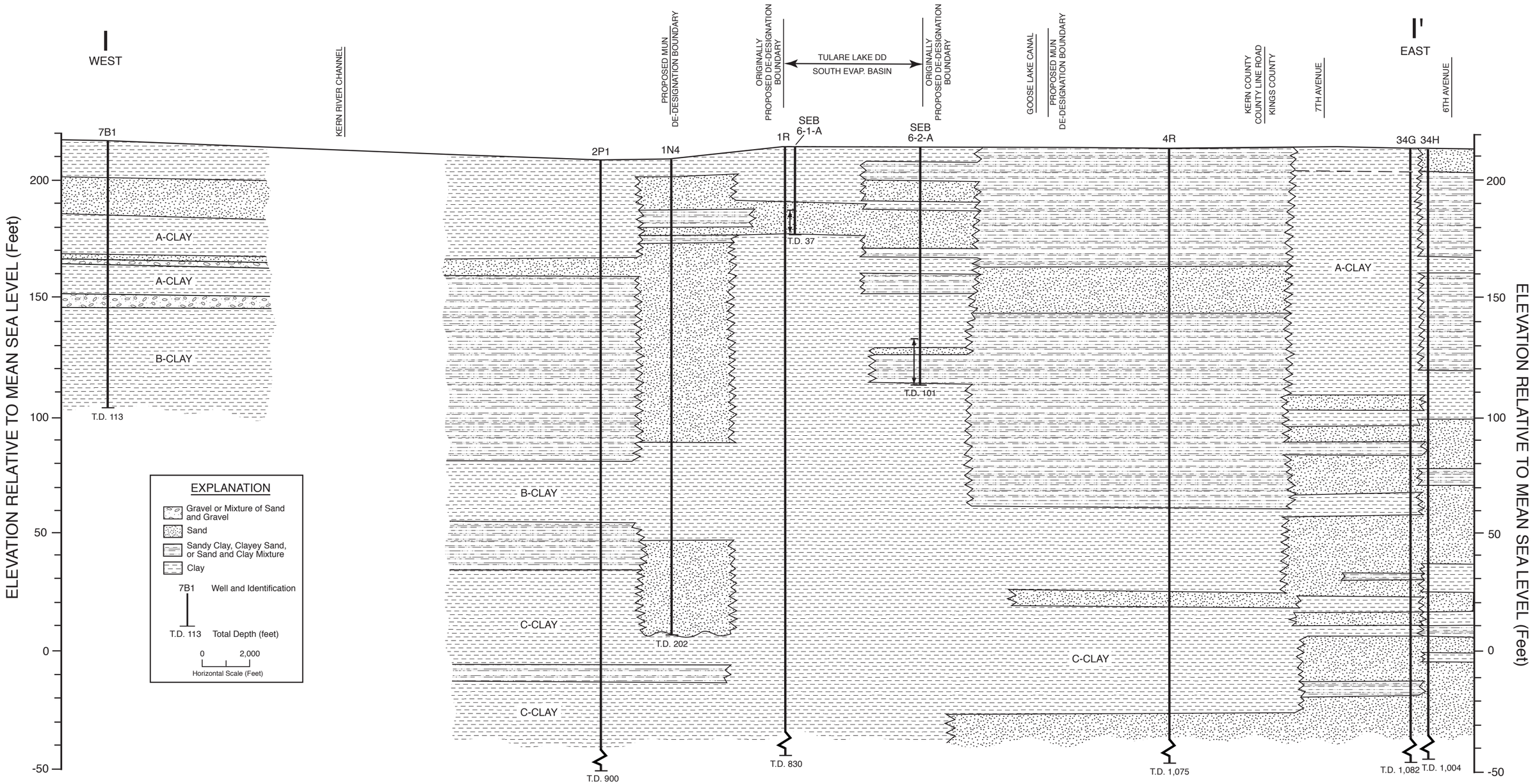

FIGURE 4-13 - SUBSURFACE GEOLOGIC CROSS SECTION I - I'

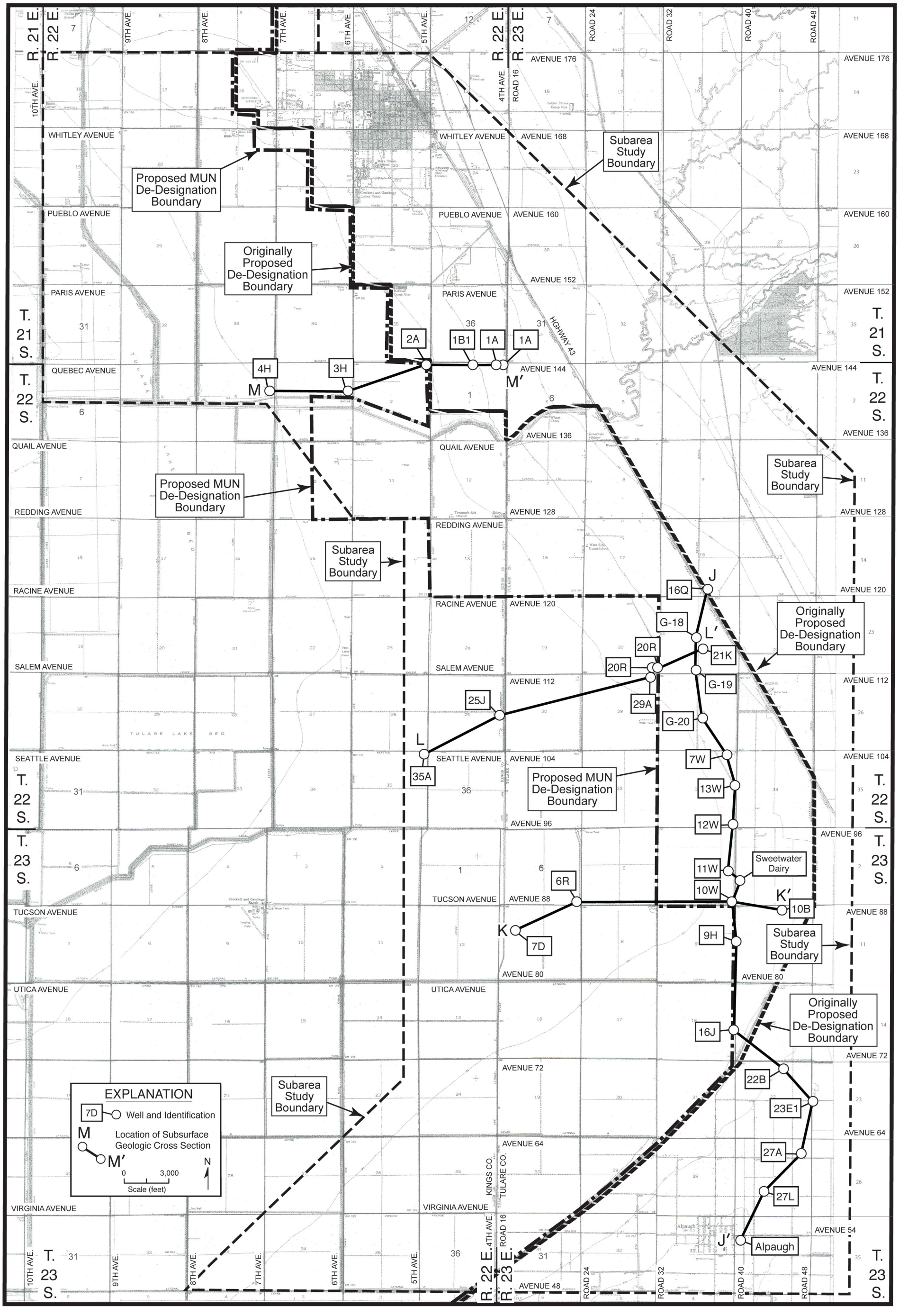

FIGURE 4-14 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTIONS IN EAST SUBAREA

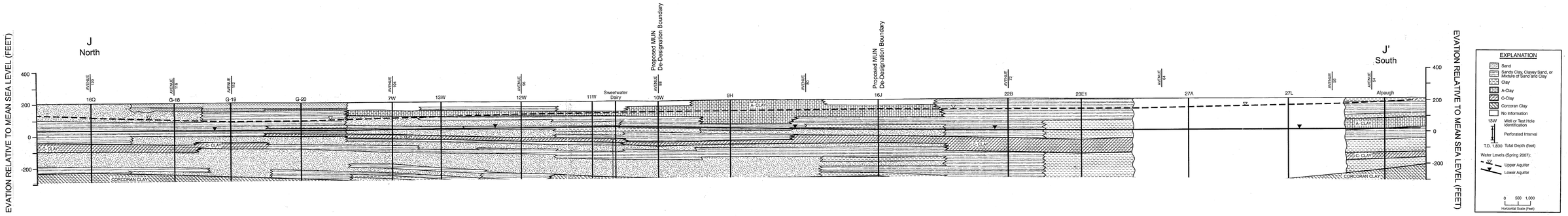

FIGURE 4-15-SUBSURFACE GEOLOGIC CROSS SECTION J-J'

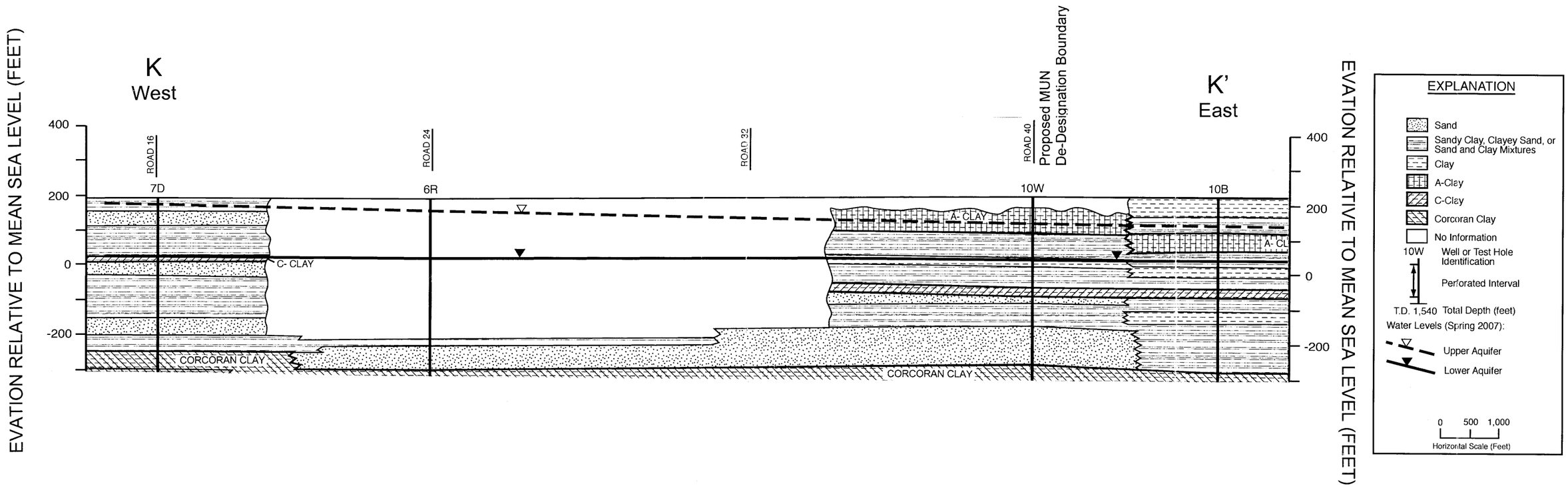

FIGURE 4-16-SUBSURFACE GEOLOGIC CROSS SECTION K-K'

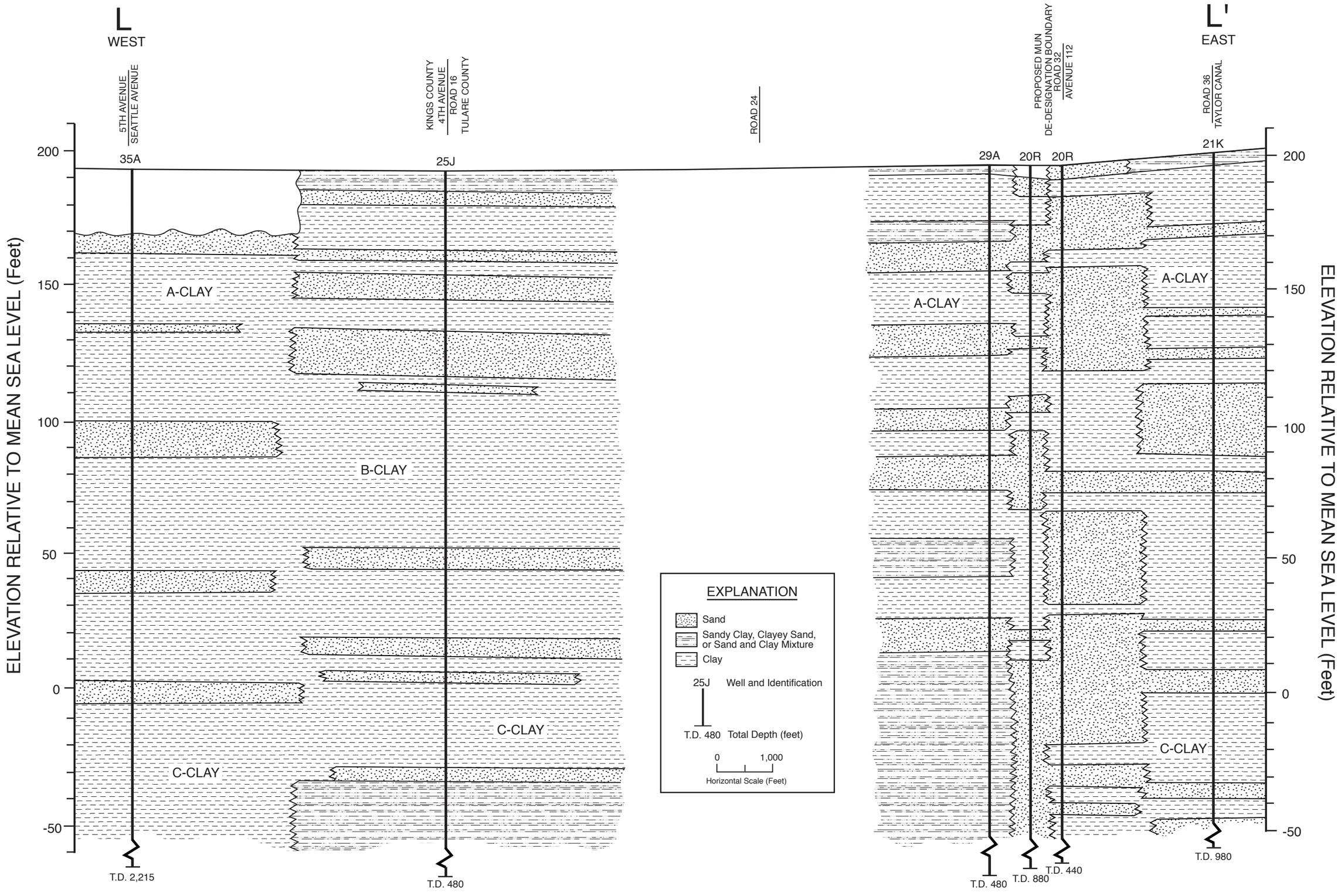

FIGURE 4-17 - SUBSURFACE GEOLOGIC CROSS SECTION L - L'

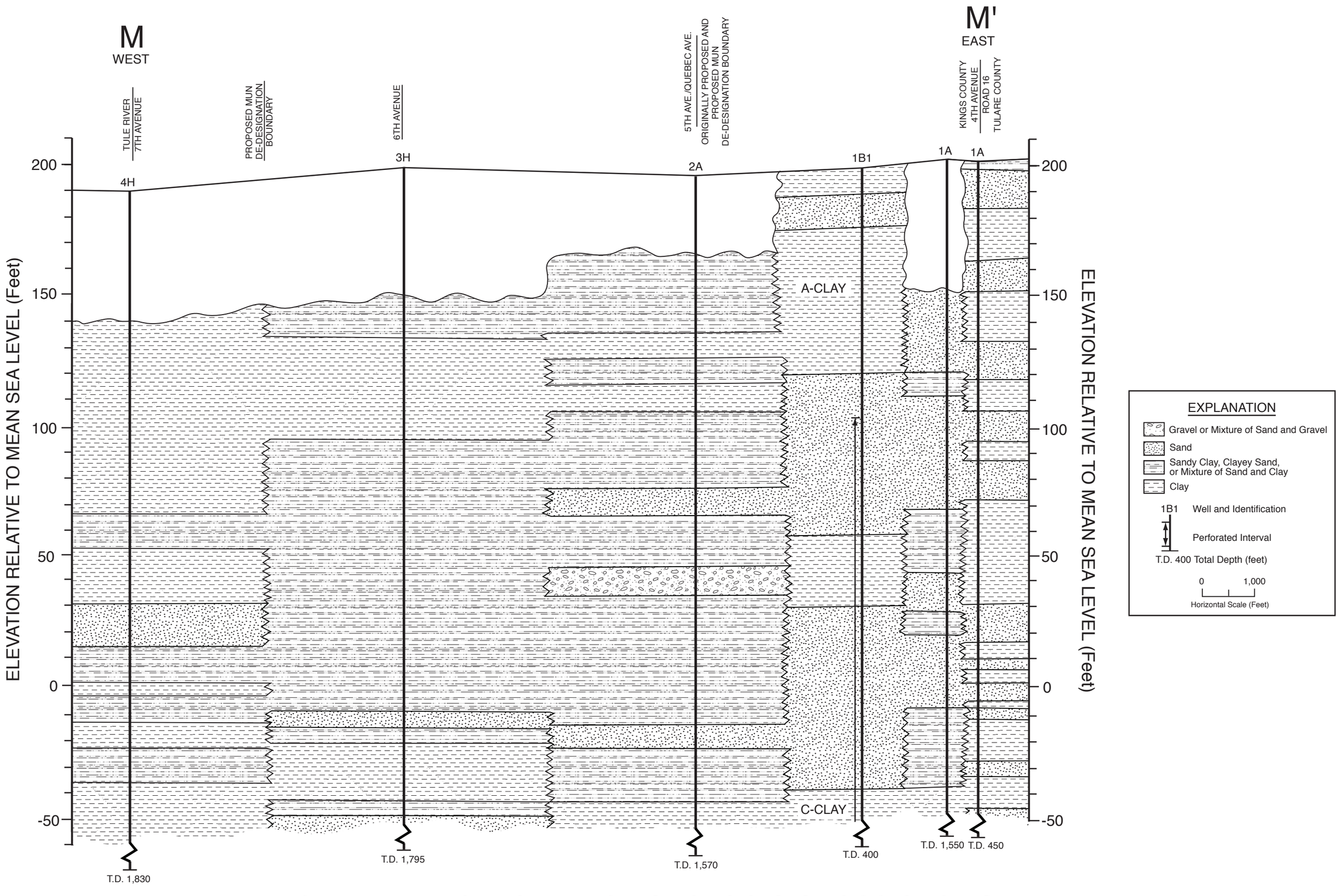

FIGURE 4-18 - SUBSURFACE GEOLOGIC CROSS SECTION M - M'

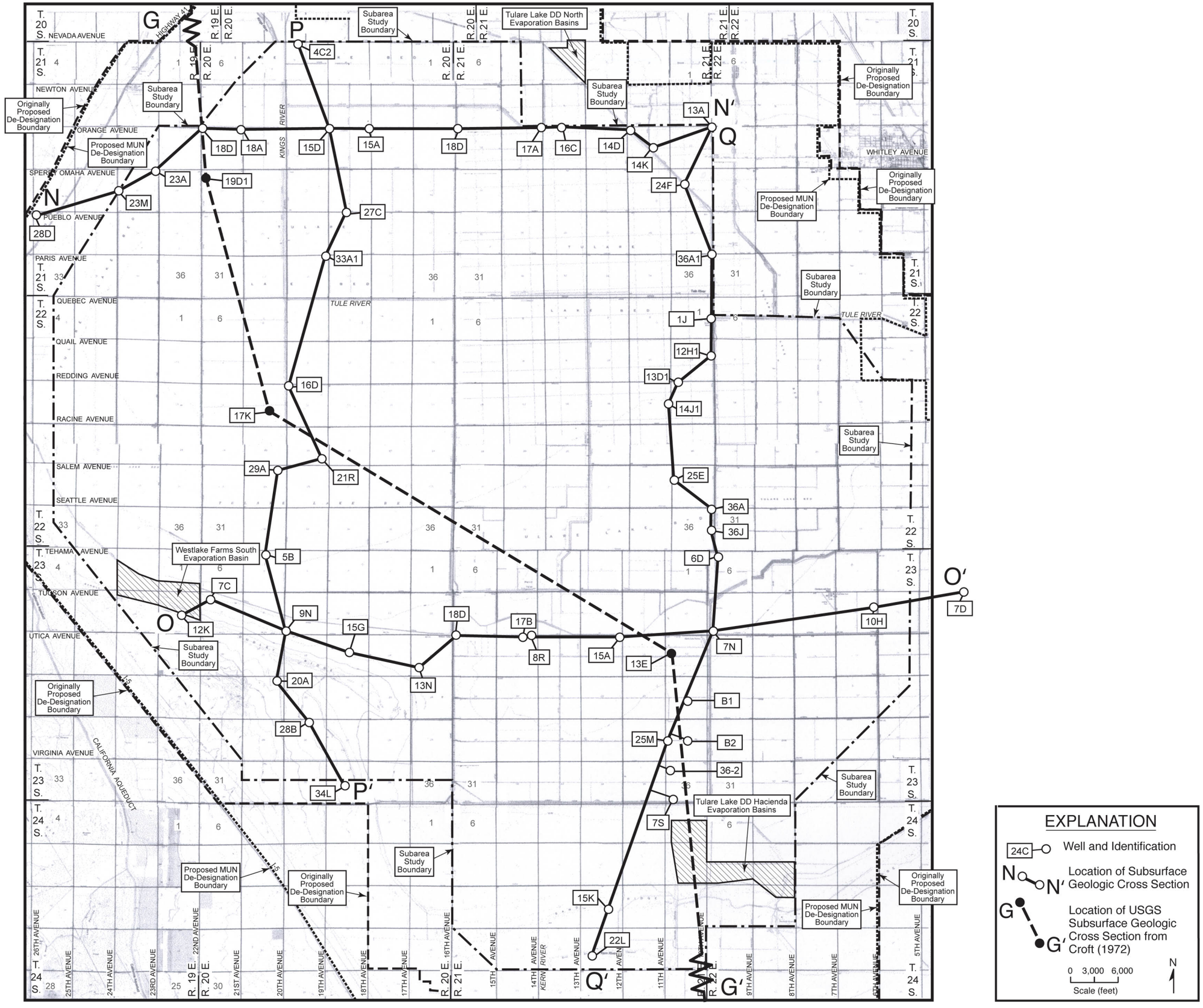

FIGURE 4-19 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTIONS IN CENTRAL SUBAREA

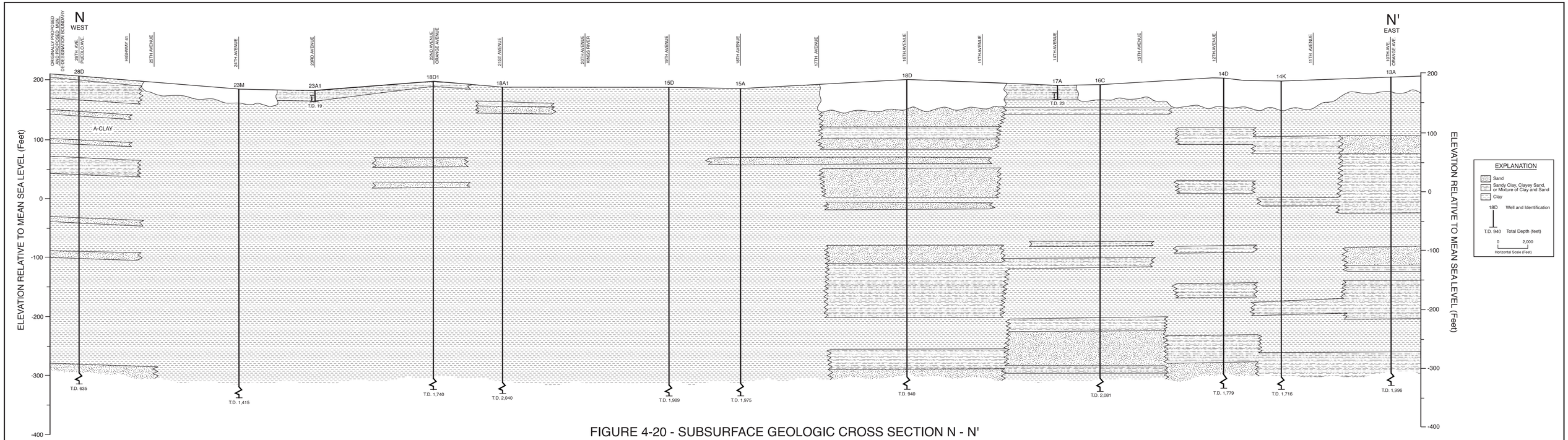

FIGURE 4-20 - SUBSURFACE GEOLOGIC CROSS SECTION N - N'

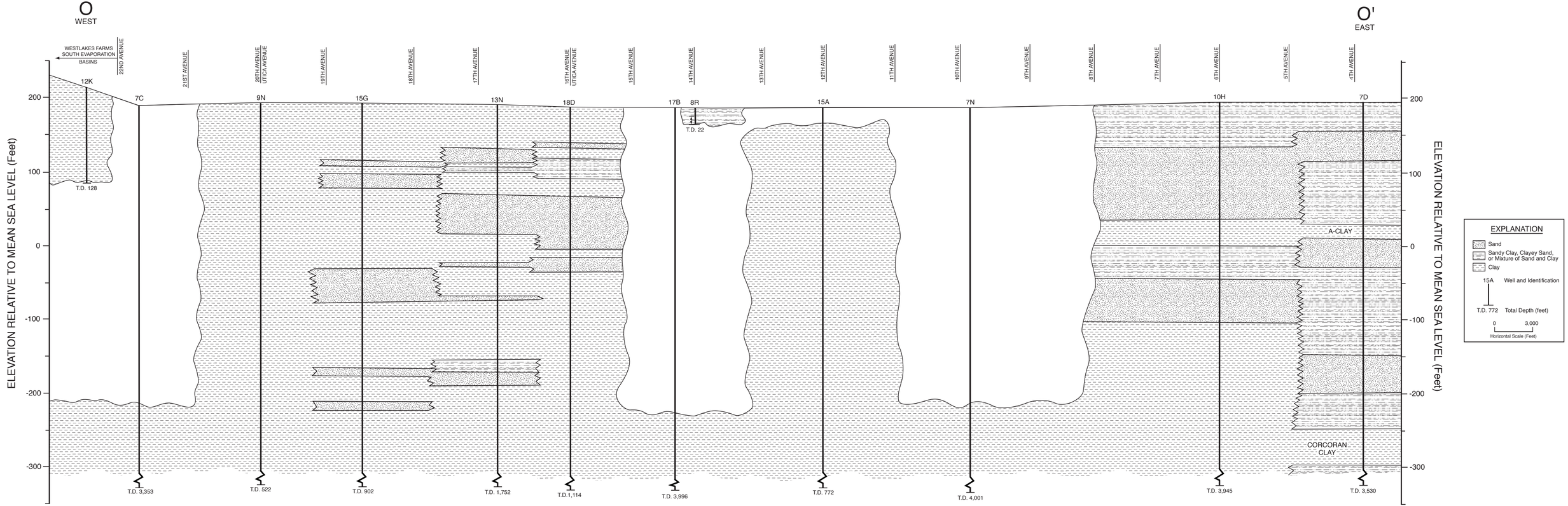

FIGURE 4-21 - SUBSURFACE GEOLOGIC CROSS SECTION O - O'

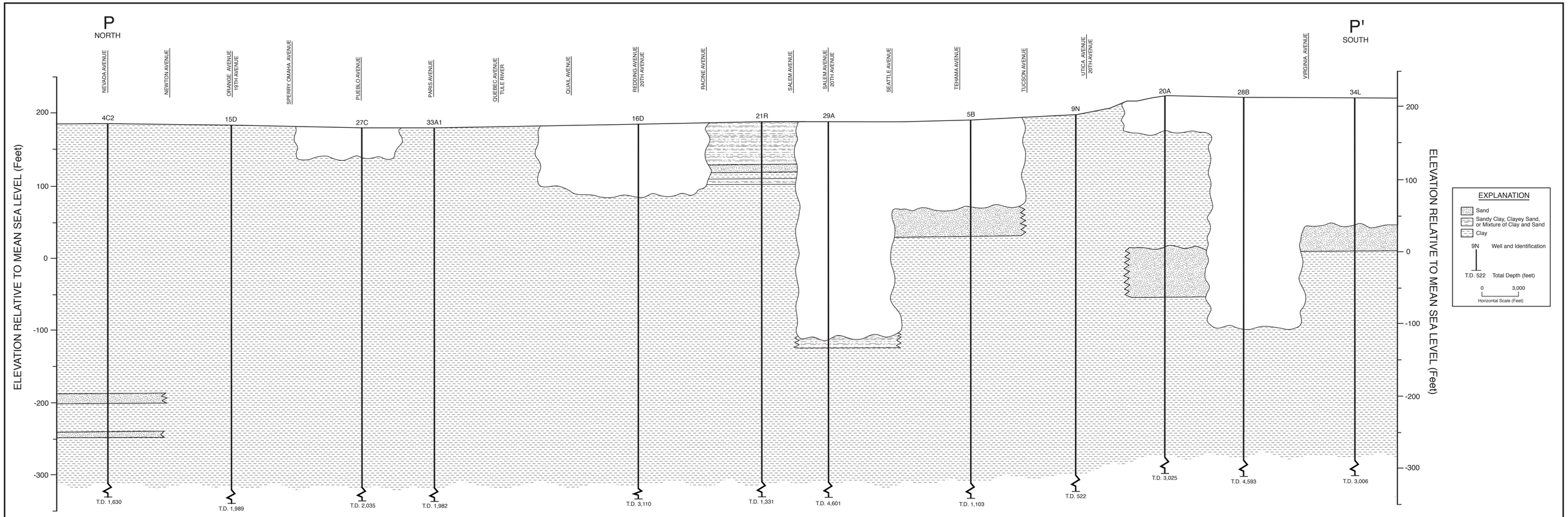

FIGURE 4-22 - SUBSURFACE GEOLOGIC CROSS SECTION P - P'

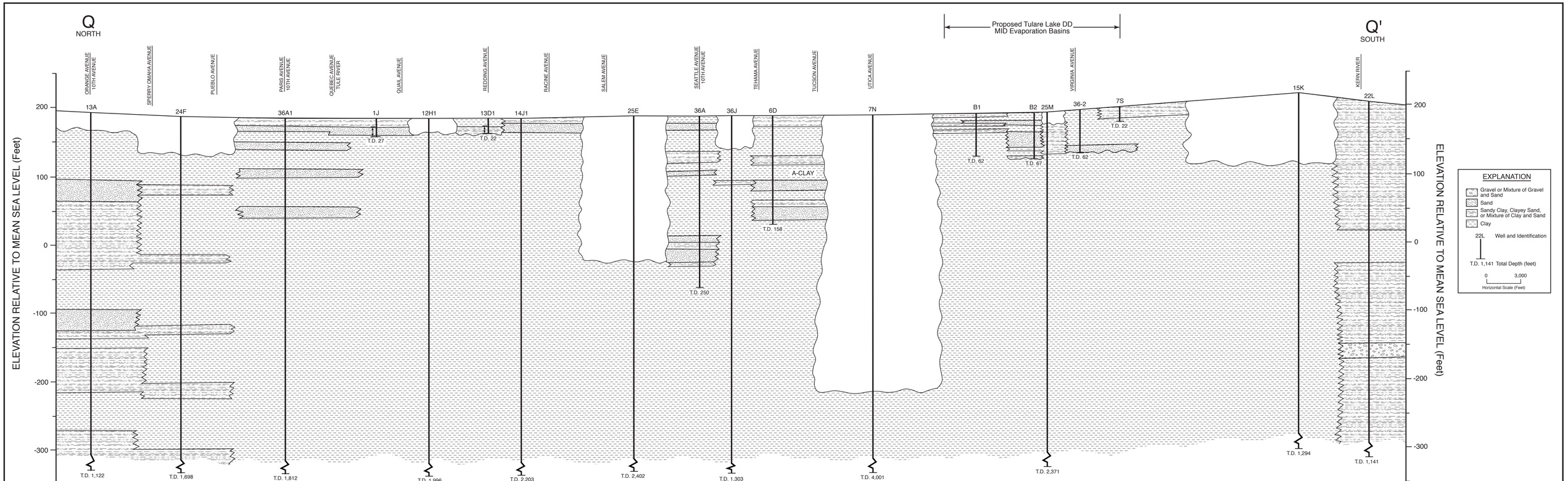

FIGURE 4-23 - SUBSURFACE GEOLOGIC CROSS SECTION Q - Q'

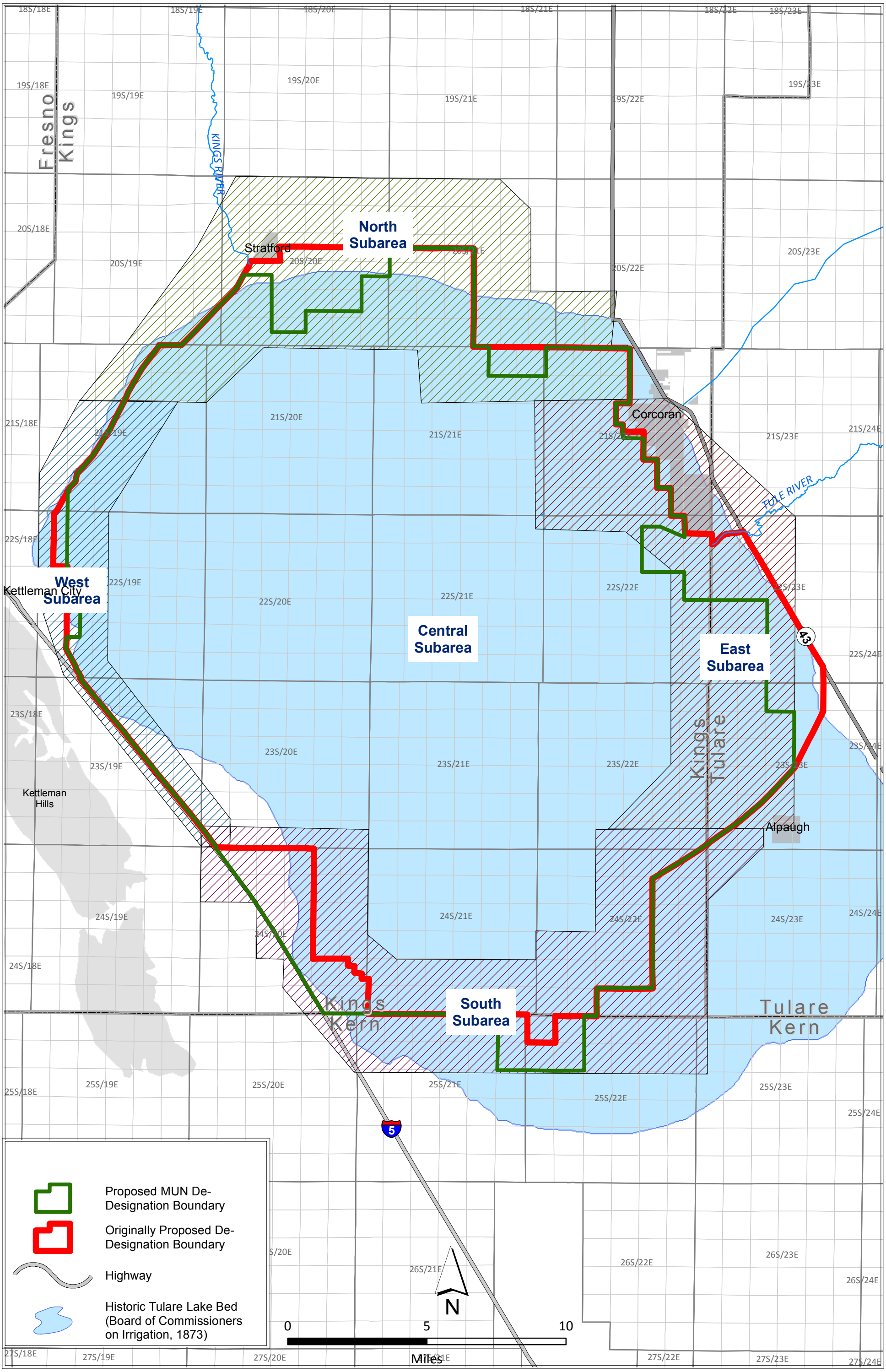

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Figure 4-24
Study Subareas Relative to Stratigraphic Evaluation

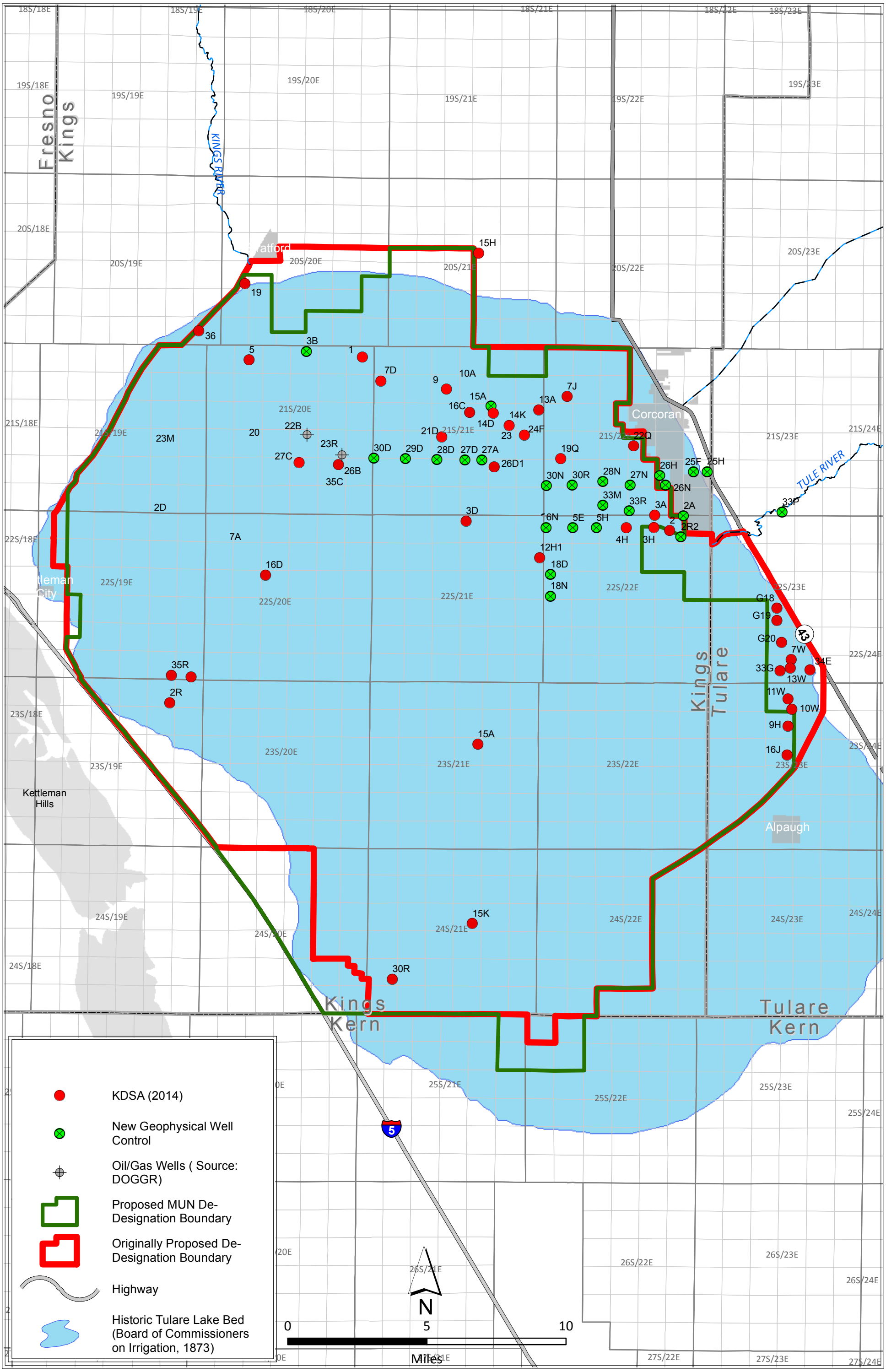

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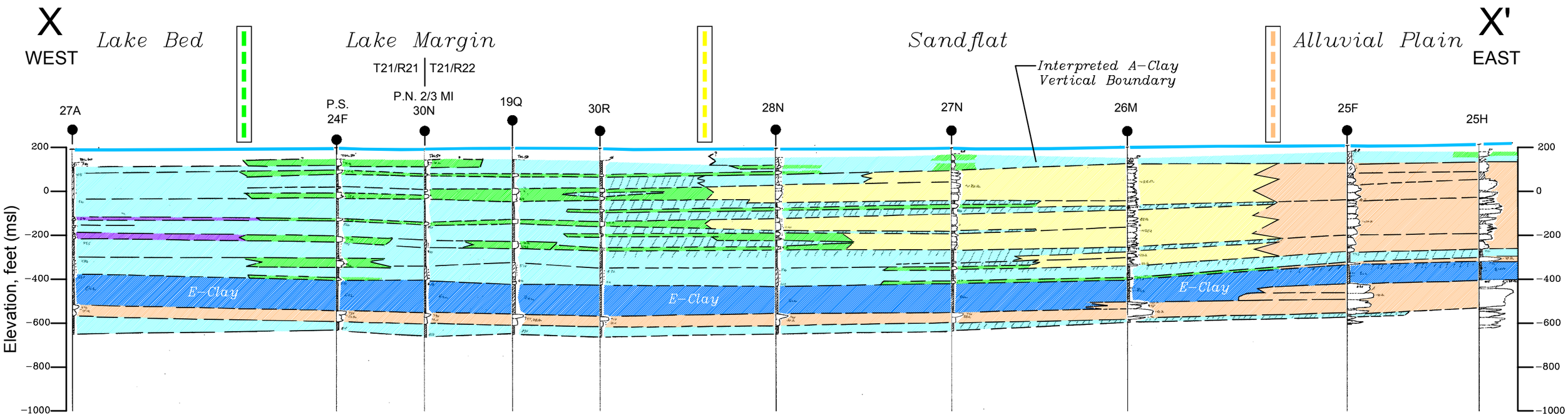
Figure 4-25
Location Map for Wells Used in Statigraphic Evaluation



LEGEND

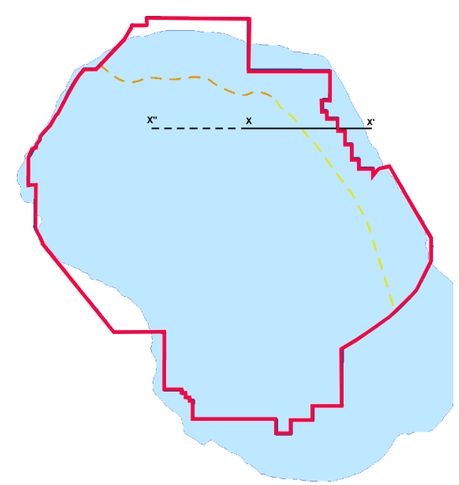
- Tulare Clay Basin Soils (KDSA, 2014)

"V" Sequence

- Alluvial Plain Thick Sand Beds – High Resistivity
- Sandflat Thick to Thin Sand Beds – Medium Resistivity
- Lake Margin Sandy, Silty Clays – Low Resistivity
- Lake Bed Stratagraphic Markers – Low Resistivity
- Lake Clay Beds – Low Resistivity

"E-Clay"

- Lake Beds



GEOLOGIC CROSS SECTION X-X' LOCATION

Scale in Feet
0' 1320' 2640'
1" = 1/4 Mile

CAD FILE: G:/Projects/TLBWSD/14-1-113/Figure 4-26.dwg CFG FILE: LSCE2500.PCP_MRG DATE: 06-16-15 1:31pm

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Figure 4-26
Representative Geologic Cross Section X-X'
Tulare Lake Bed

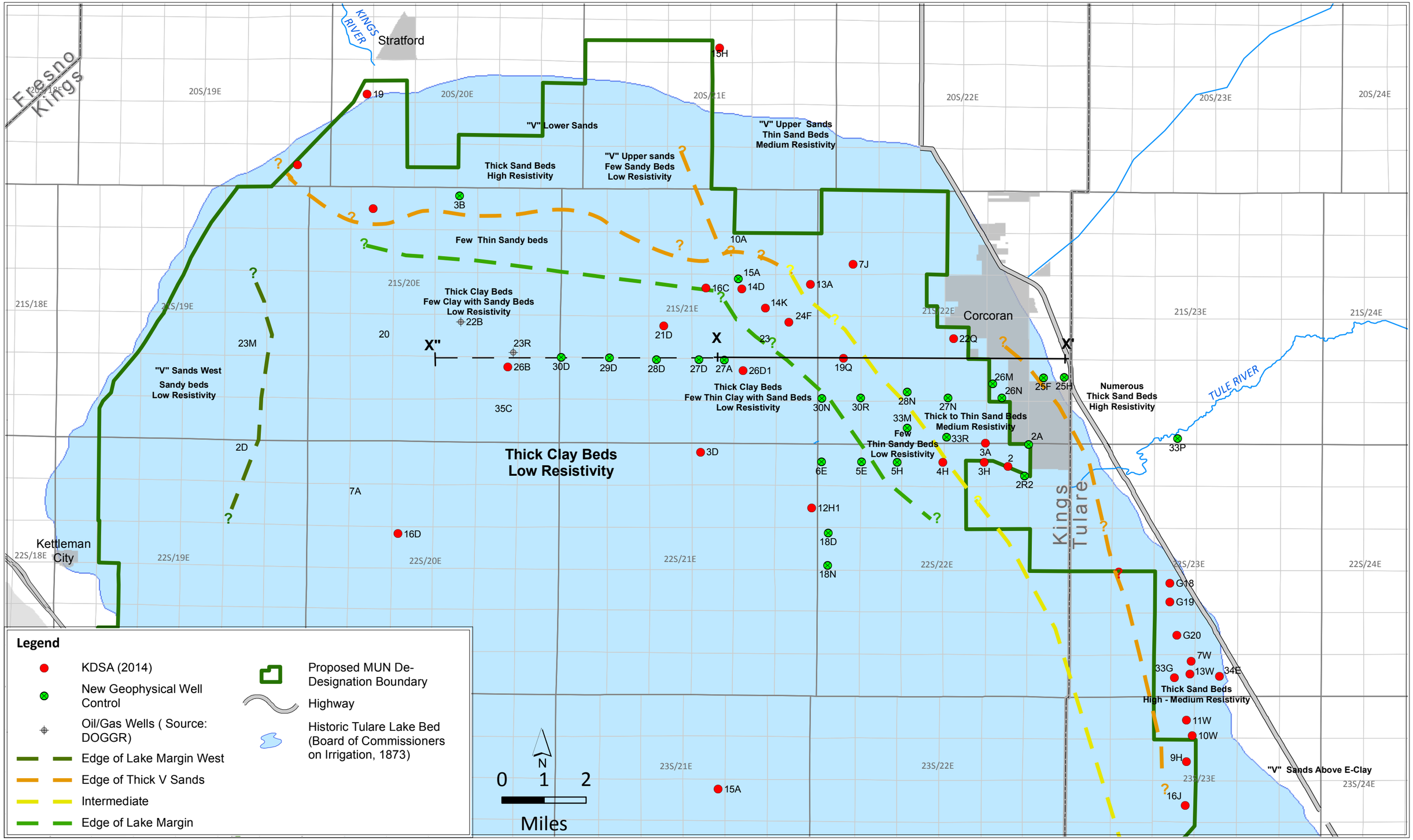

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Figure 4-27
Extent of 'V' Sequence Facies
Tulare Lake Bed

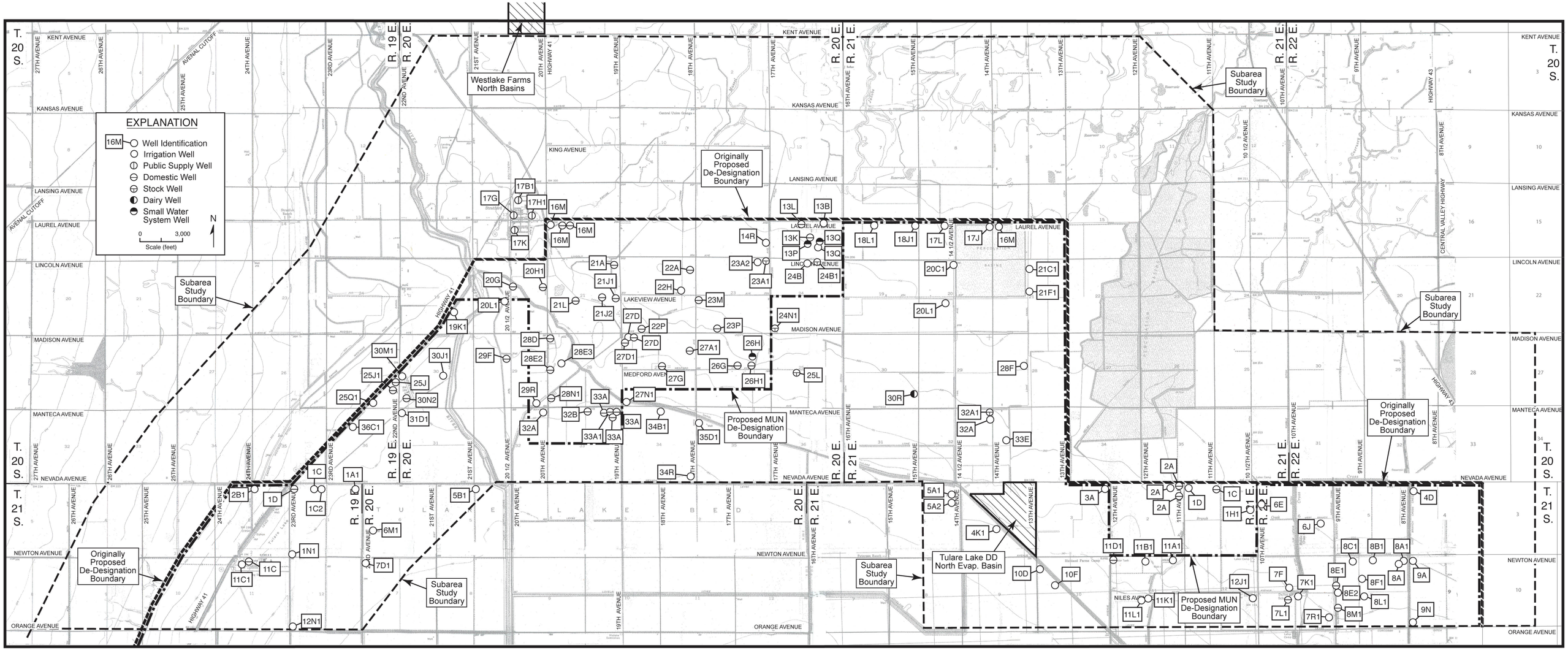

FIGURE 4-28 - LOCATION OF HISTORICAL WATER SUPPLY WELLS IN NORTH SUBAREA

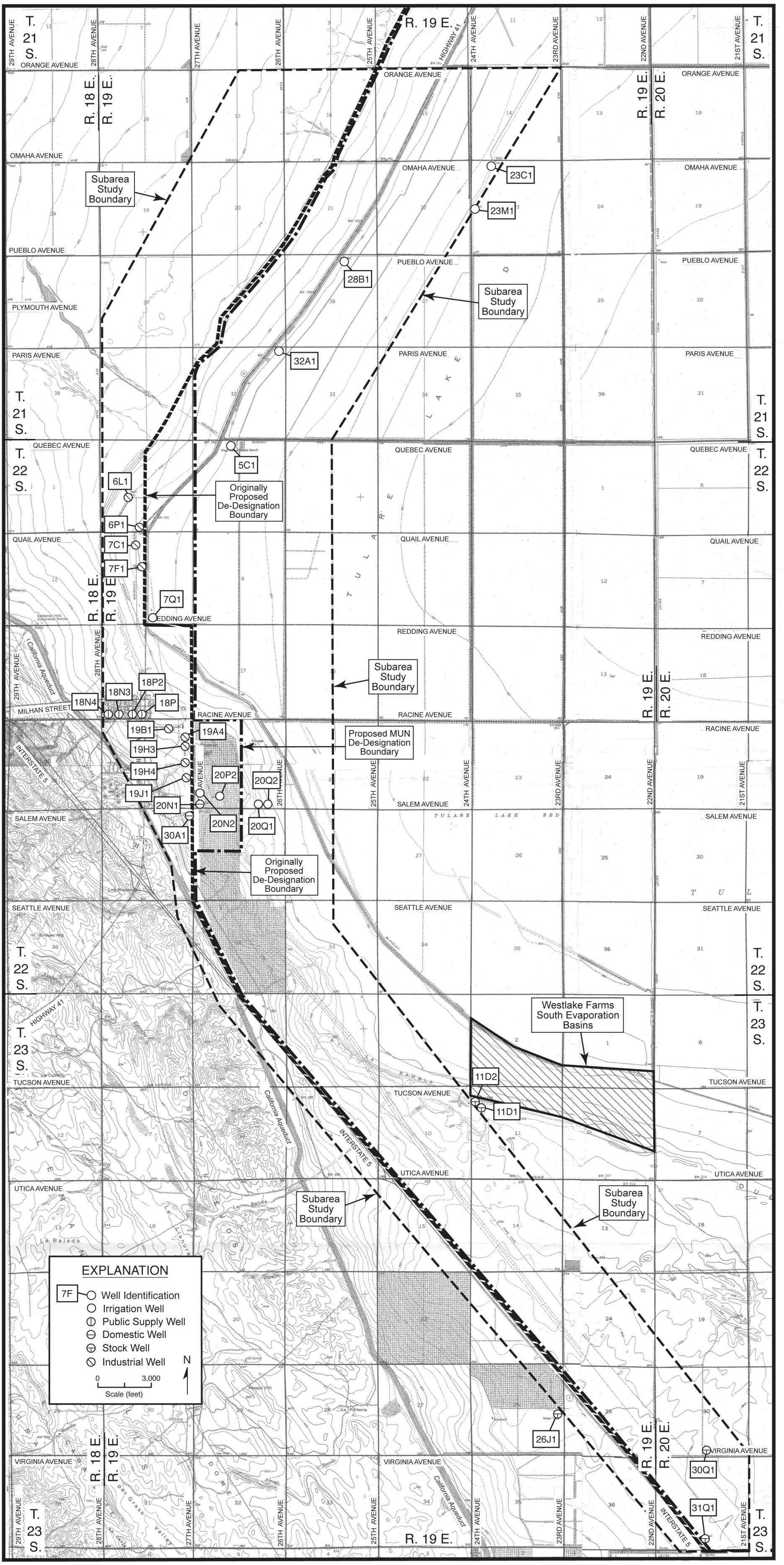

FIGURE 4-29 - LOCATION OF HISTORICAL WATER SUPPLY WELLS IN WEST SUBAREA (SEE TEXT FOR EVALUATION OF CURRENT STATUS)

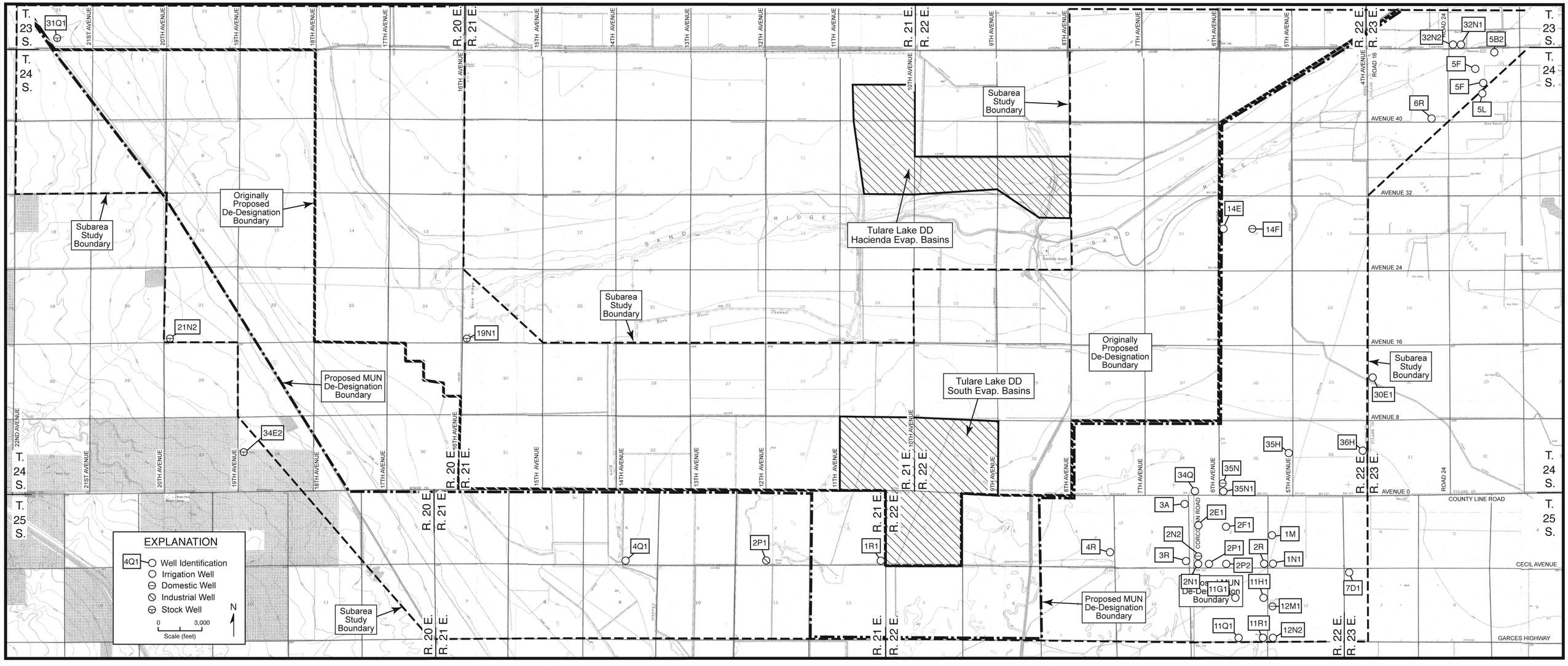

FIGURE 4-30 - LOCATION OF HISTORICAL WATER SUPPLY WELLS IN SOUTH SUBAREA (SEE TEXT FOR EVALUATION OF CURRENT STATUS)

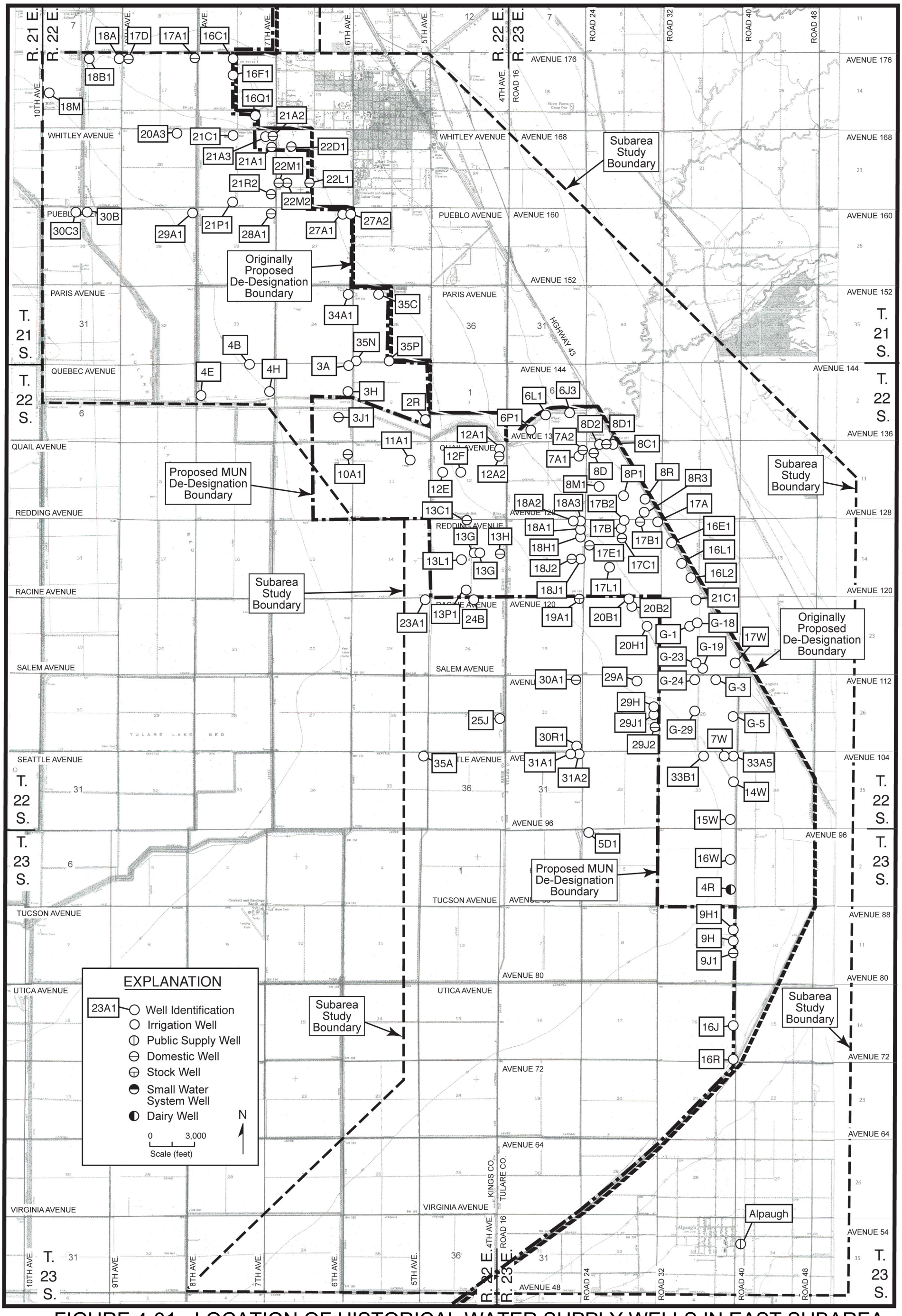

FIGURE 4-31 - LOCATION OF HISTORICAL WATER SUPPLY WELLS IN EAST SUBAREA (SEE TEXT FOR EVALUATION OF CURRENT STATUS)

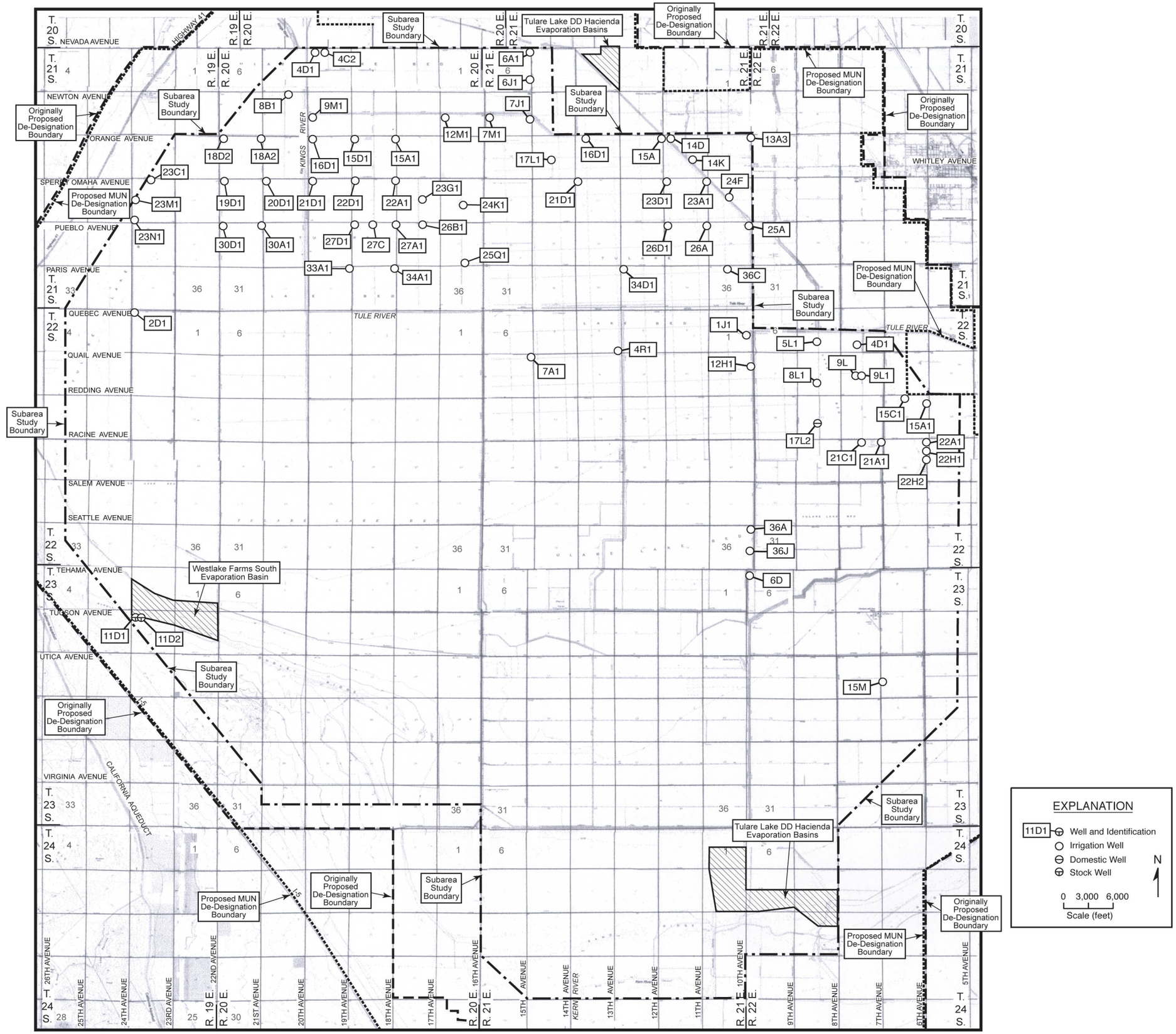

FIGURE 4-32 - LOCATION OF HISTORICAL WATER SUPPLY WELLS IN CENTRAL SUBAREA
(SEE TEXT FOR EVALUATION OF CURRENT STATUS)

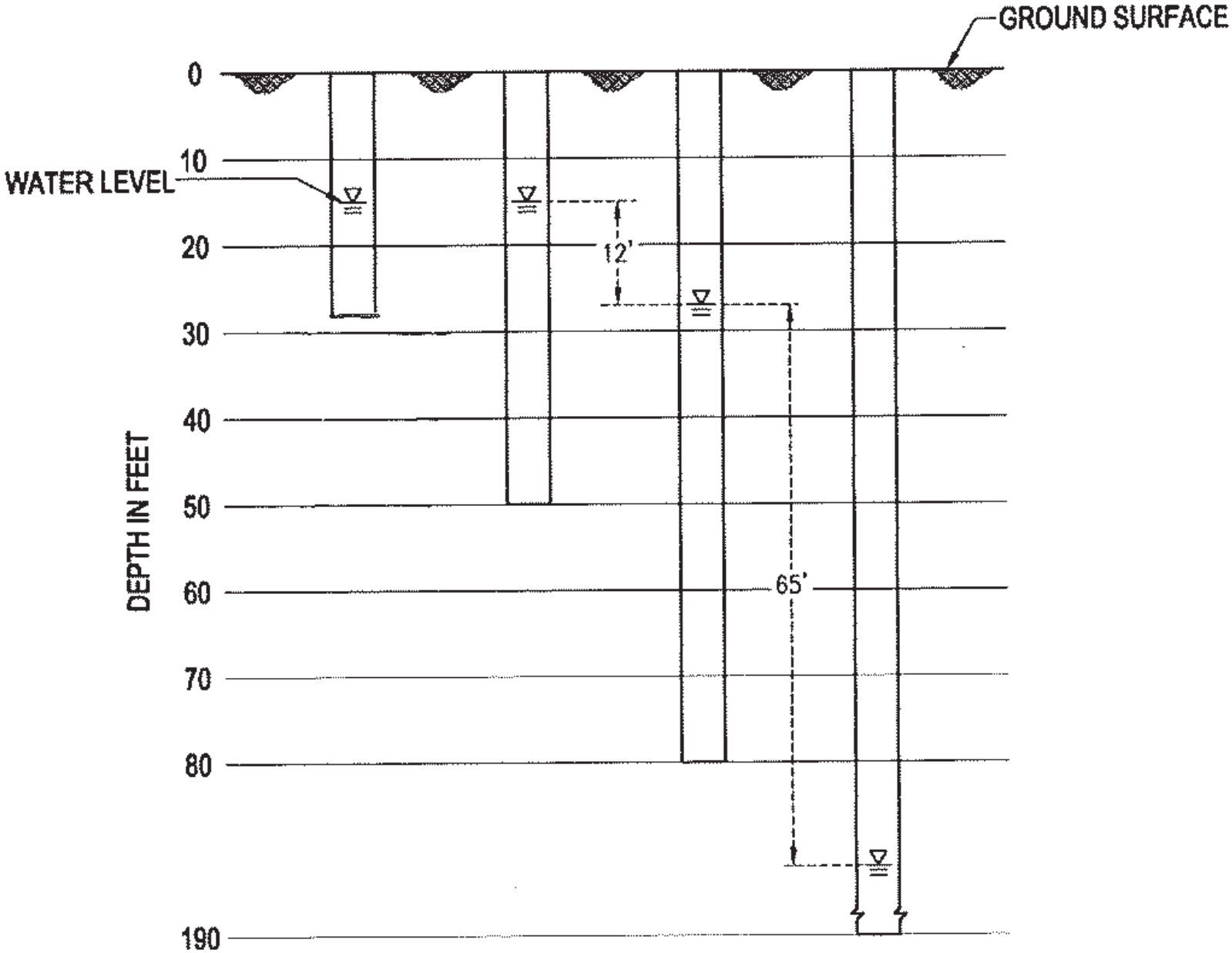

FIGURE 4-33 - WATER LEVELS IN CLUSTER MONITOR WELLS NORTH OF STRATFORD

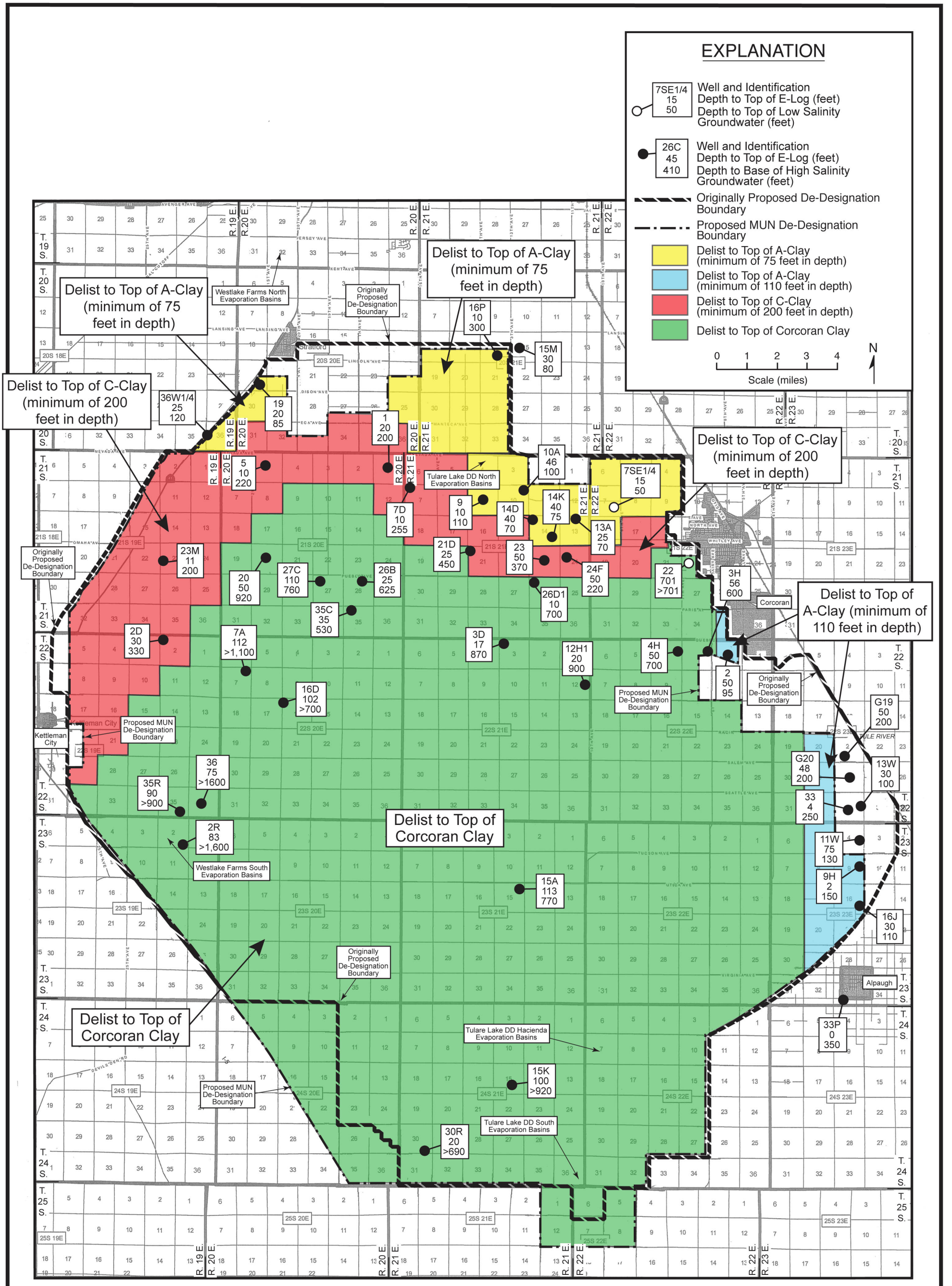

FIGURE 4-34 - DEPTHS TO BASE OF SHALLOW HIGH SALINITY GROUNDWATER

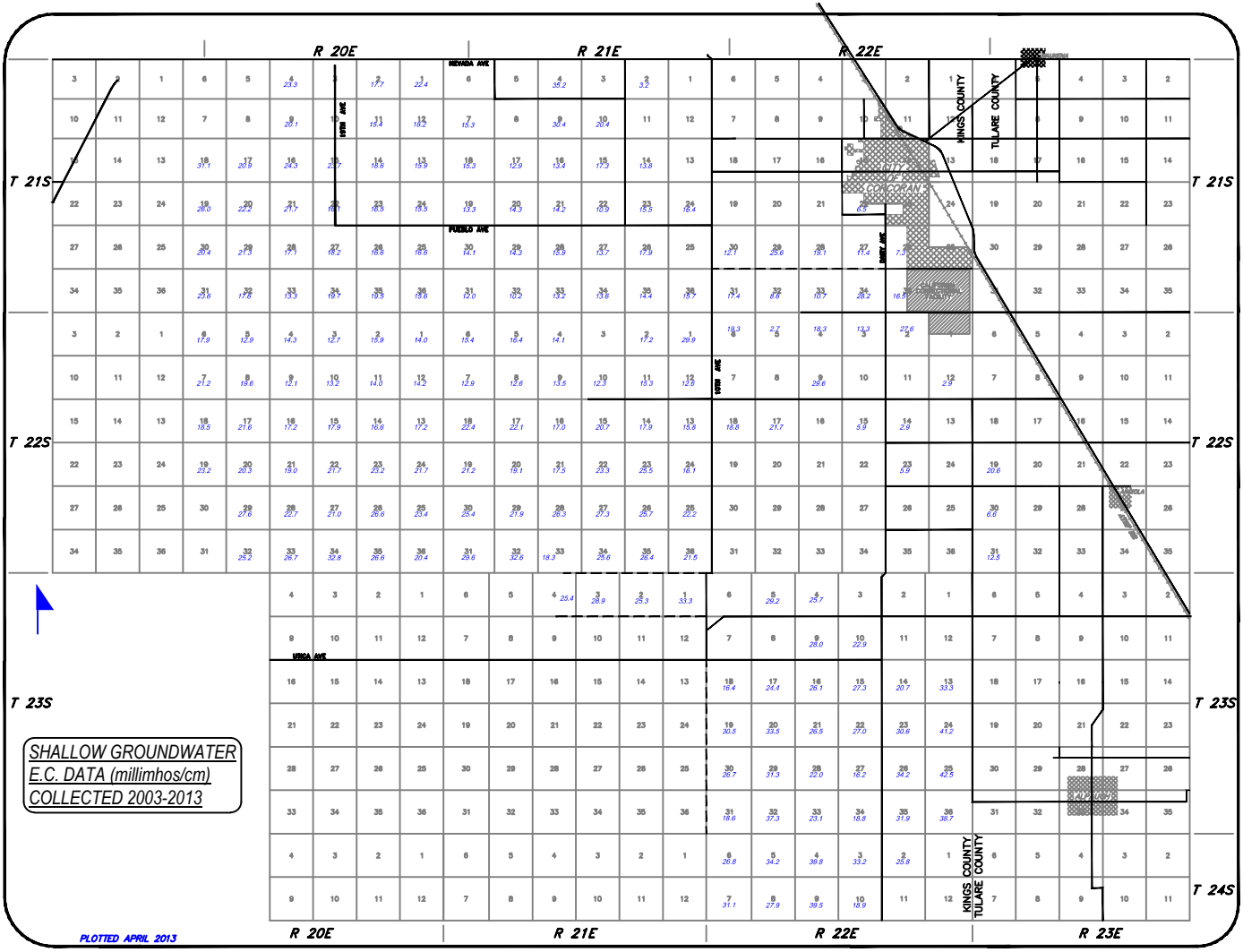

FIGURE 4-35 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN TULARE LAKEBED

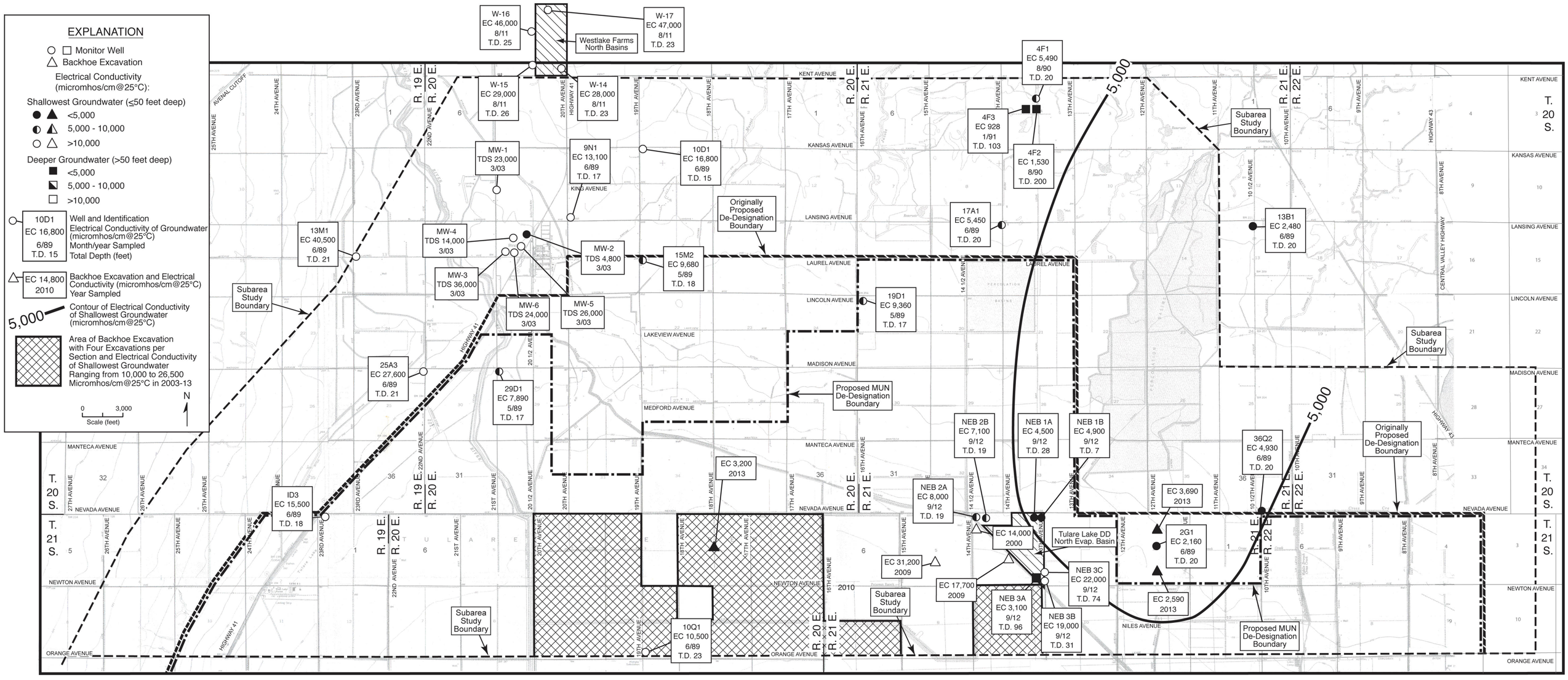

FIGURE 4-36 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN NORTH SUBAREA

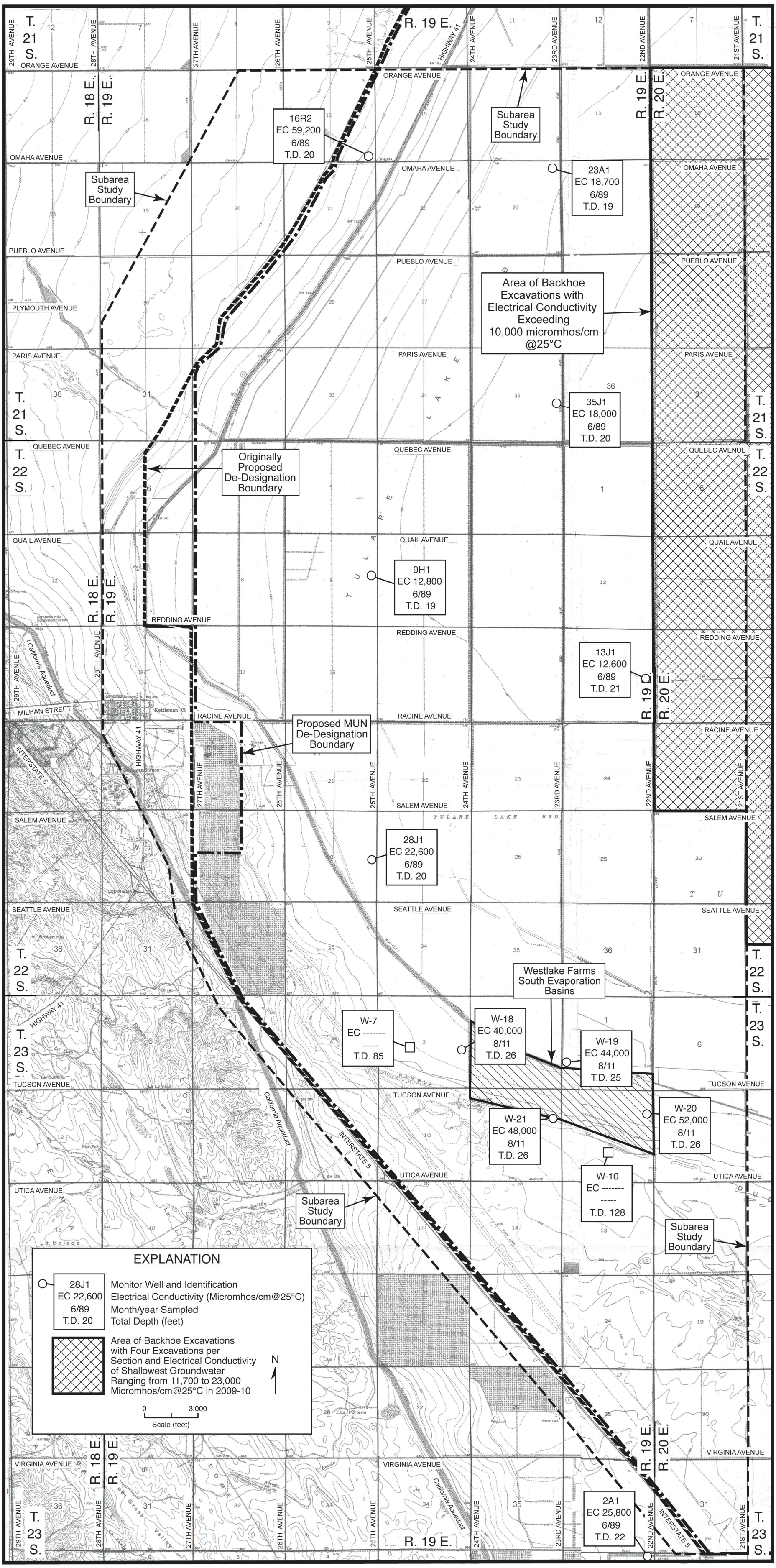

FIGURE 4-37 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN WEST SUBAREA

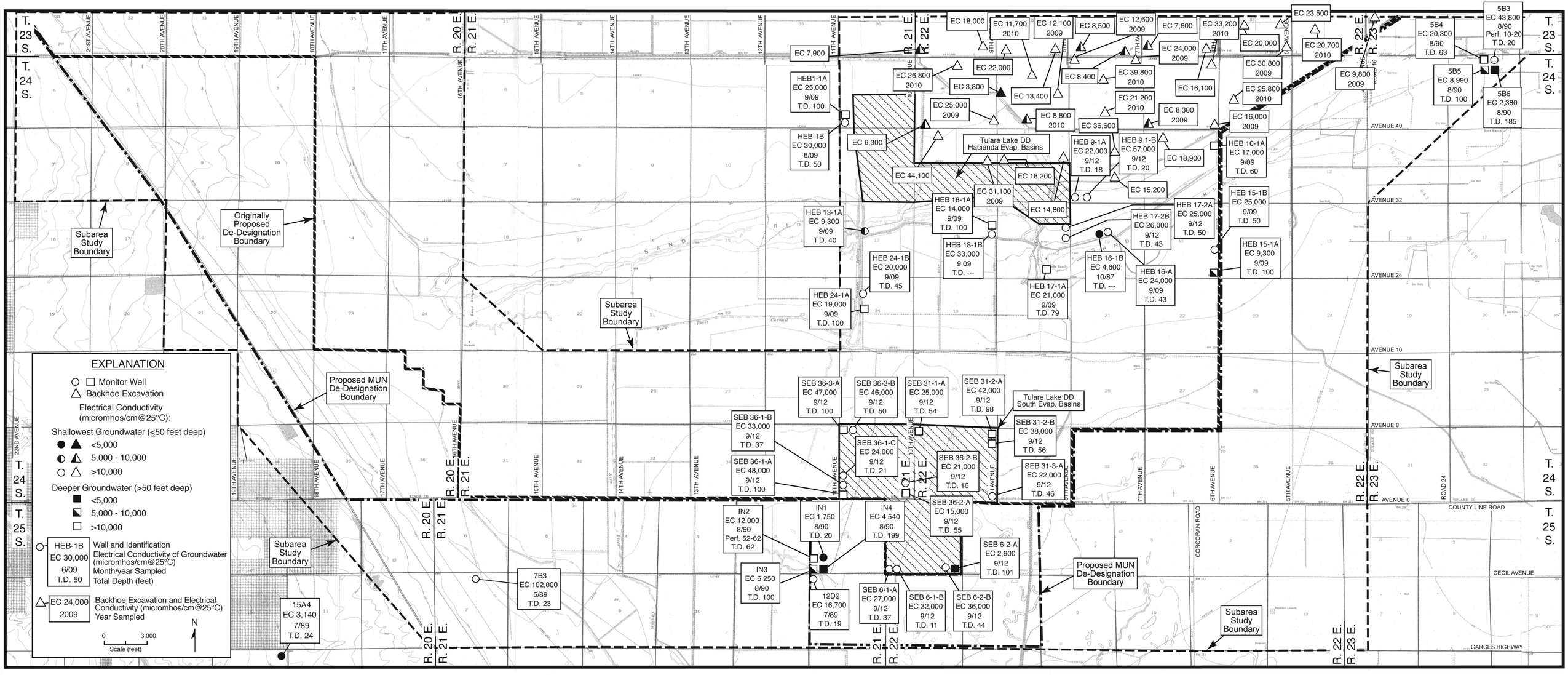

FIGURE 4-38 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN SOUTH SUBAREA

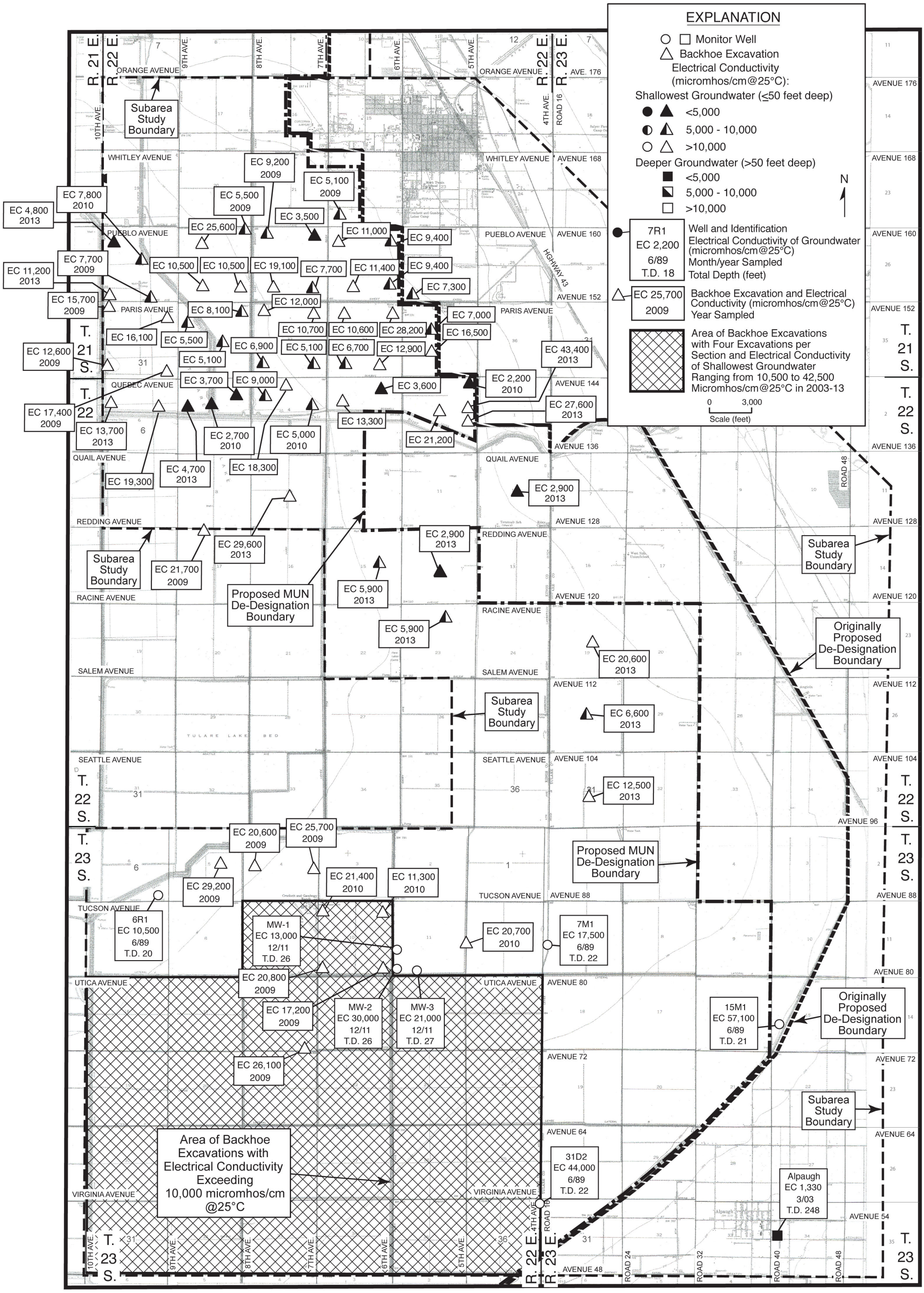

FIGURE 4-39 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN EAST SUBAREA

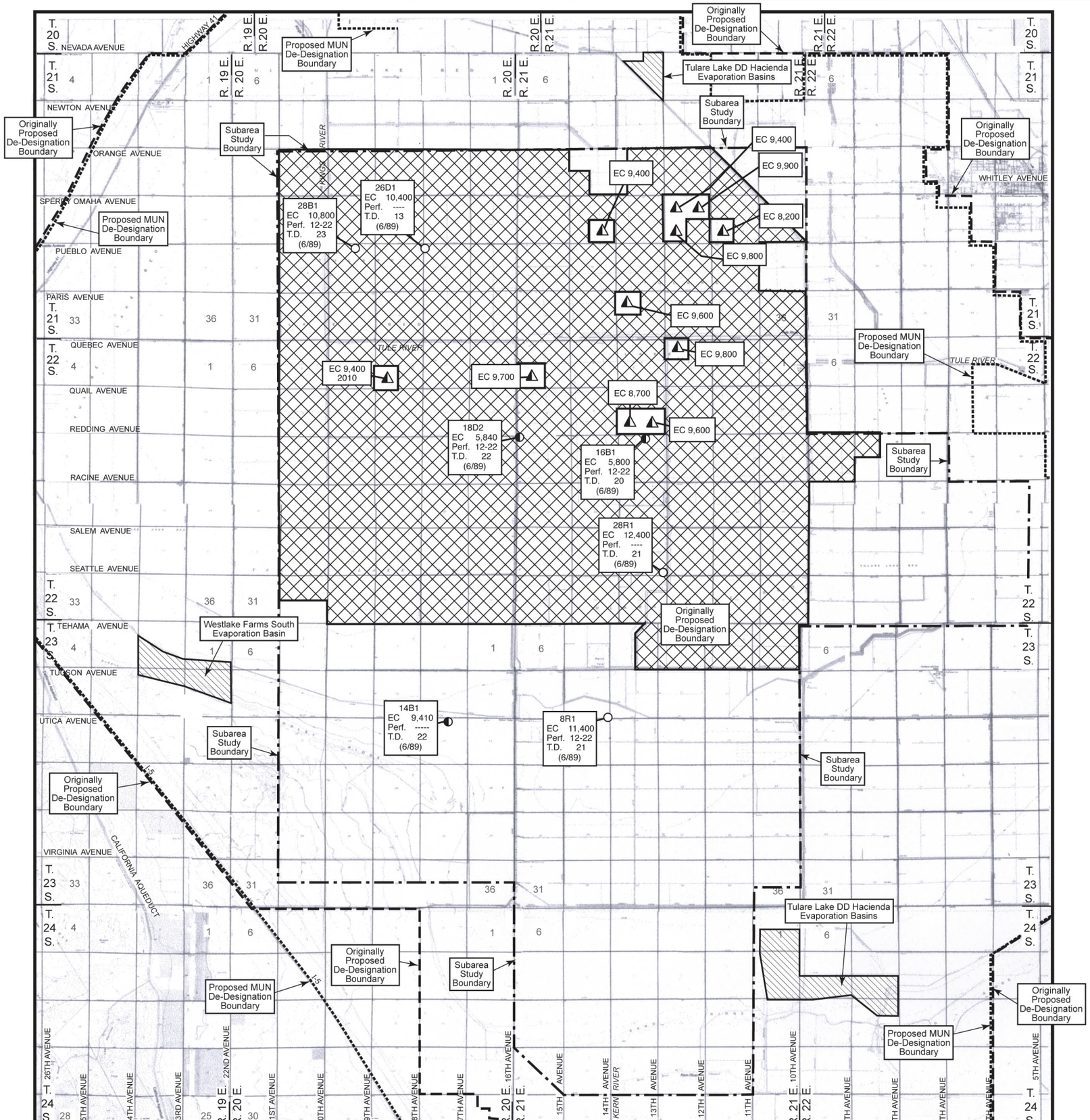

FIGURE 4-40 - ELECTRICAL CONDUCTIVITY OF SHALLOW GROUNDWATER IN CENTRAL SUBAREA

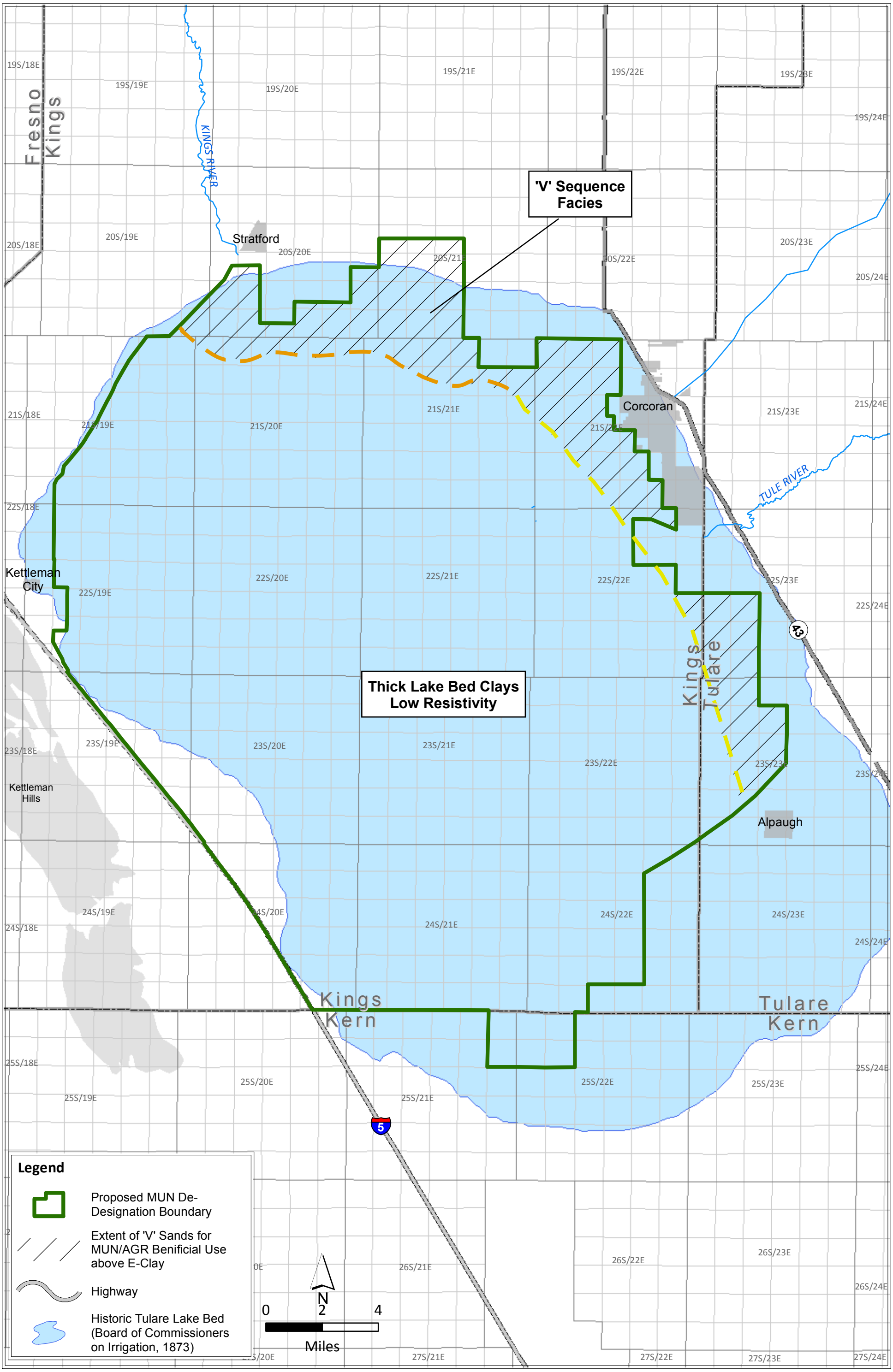

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Figure 4-41
Extent of 'V' Sequence Facies
and KDSA (2014) Proposed MUN De-Designation Boundary

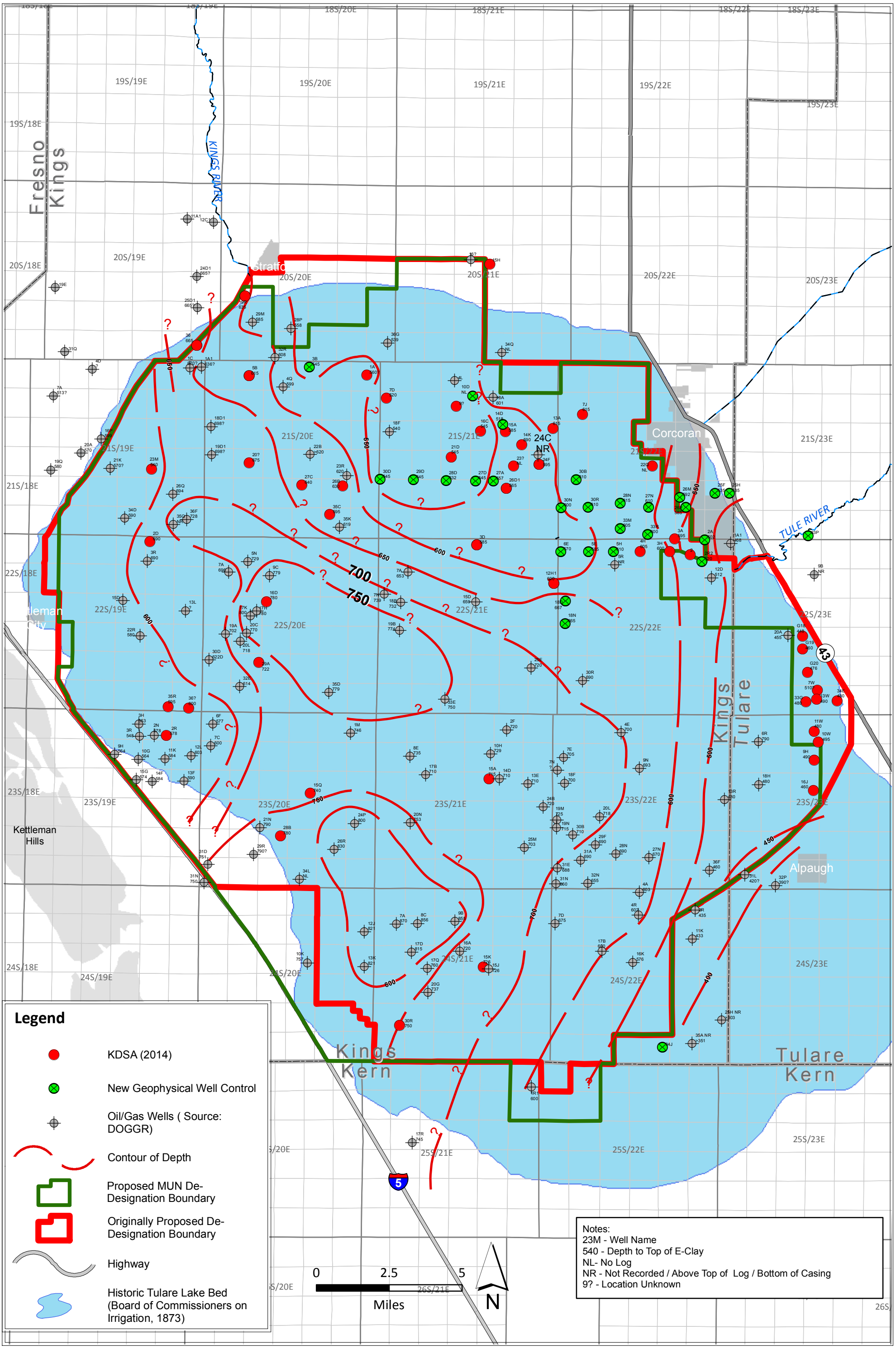

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Figure 4-42
Well Control and Contours of Equal Depth to Top of E-Clay