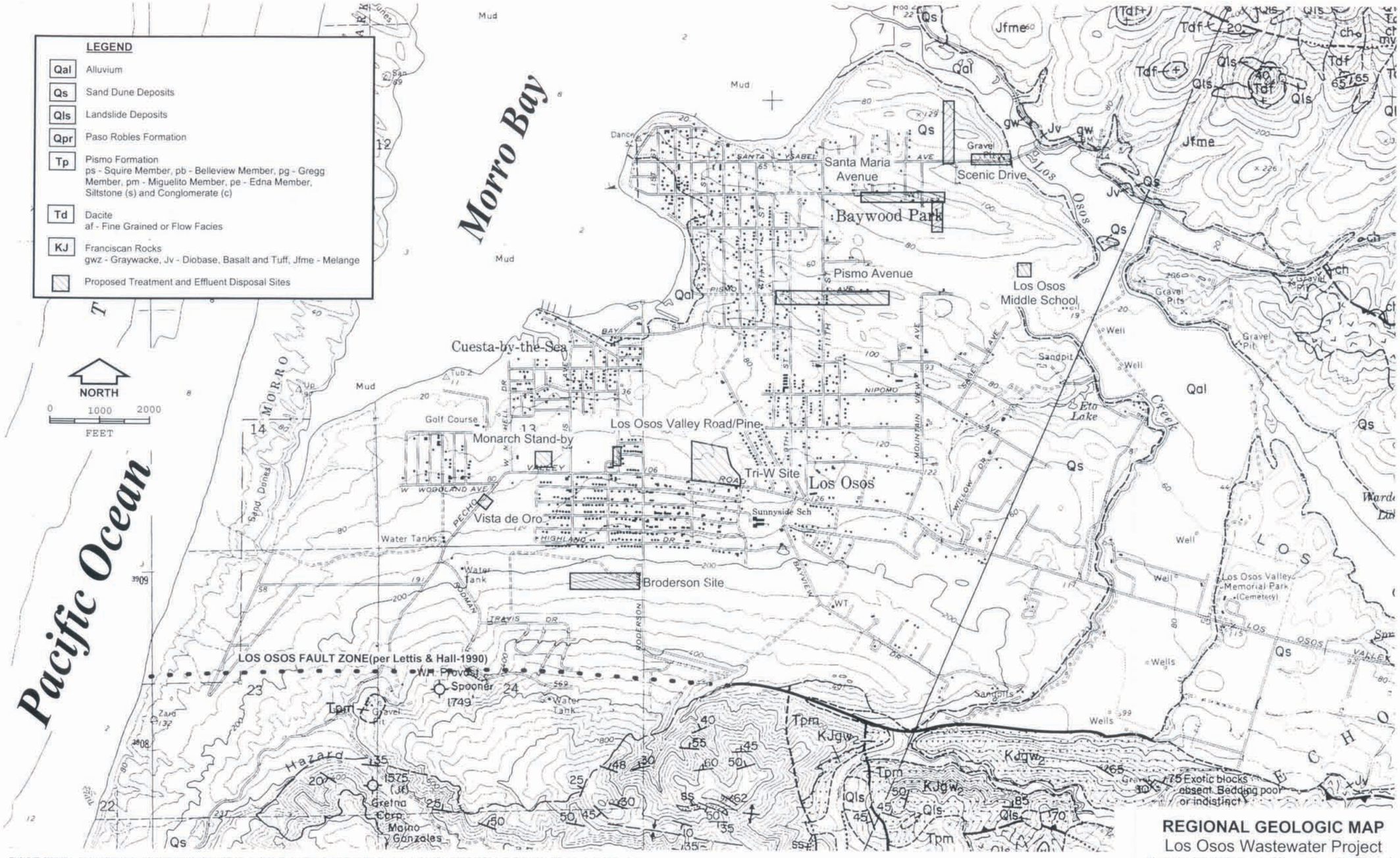
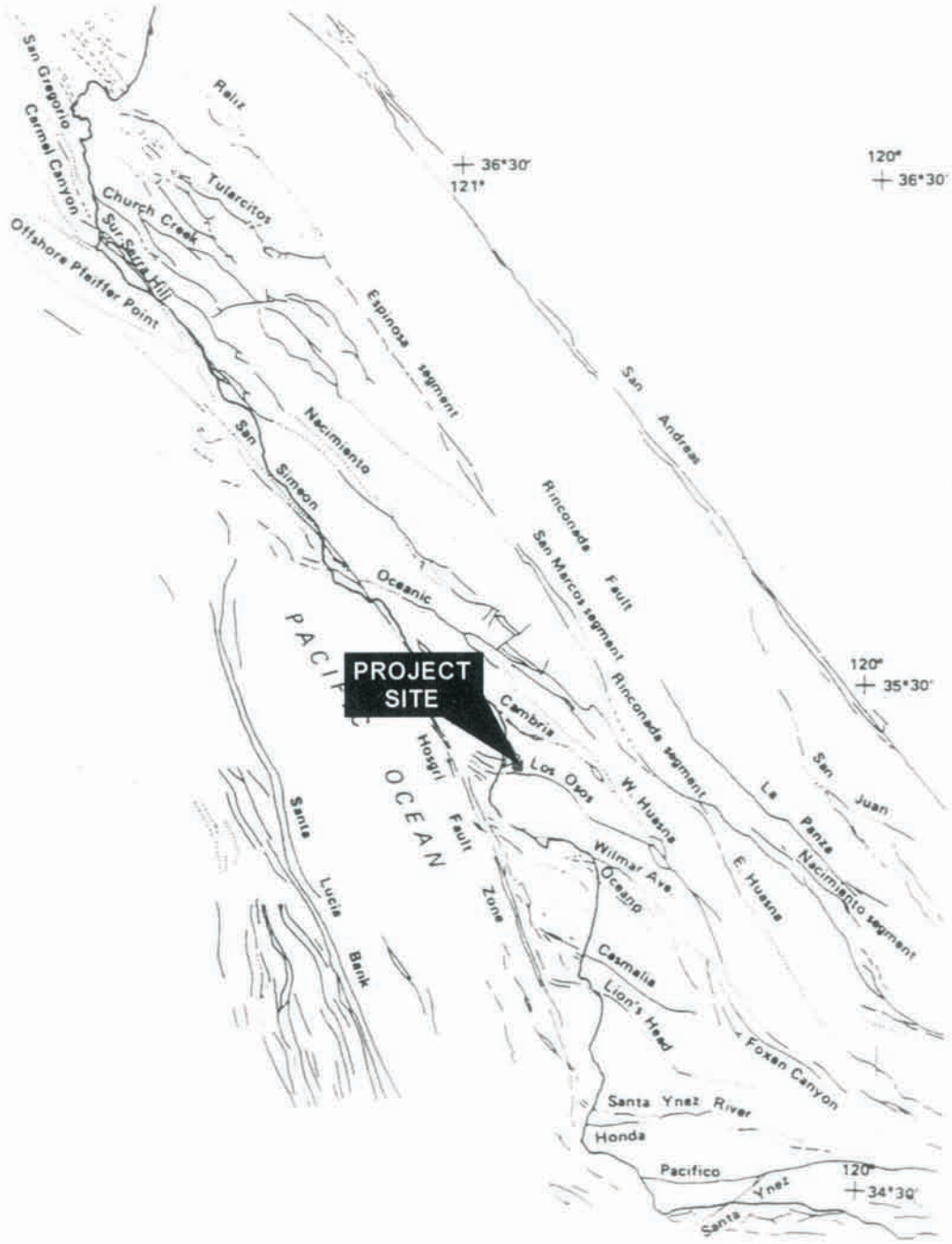


REGIONAL GEOLOGIC MAP
Los Osos Wastewater Project
San Luis Obispo County, California

BASE MAP: Hall (1973), Geologic Map of the Morro Bay South and Port San Luis Quadrangles, San Luis Obispo, California.



BASE MAP SOURCE: PG&E (July-1988), Final Report of the Diablo Canyon, Long Term Seismic Program

Legend

Fault; dotted where approximately located, inferred, or concealed

NORTH

0 20

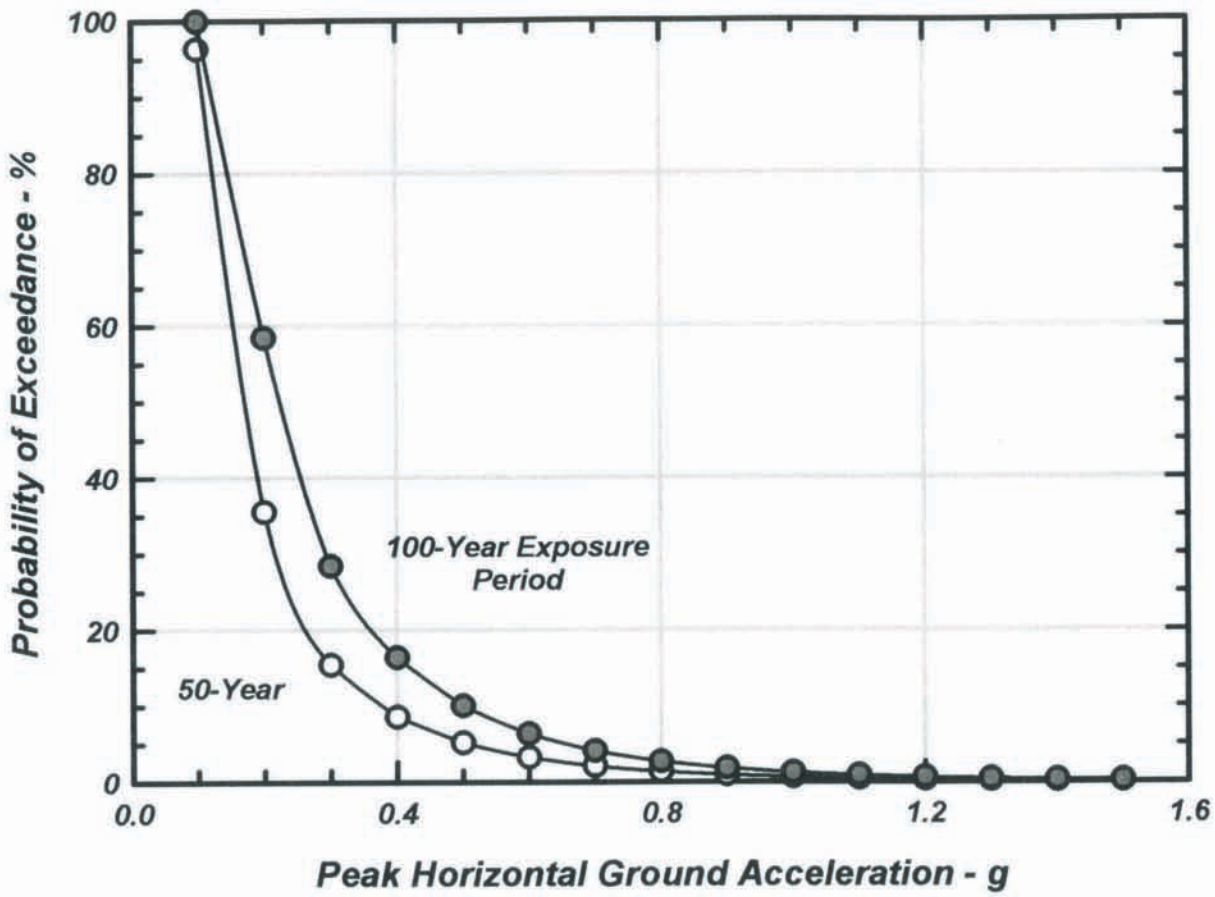
MILES

REGIONAL FAULT MAP

Los Osos Wastewater Project

San Luis Obispo County, California

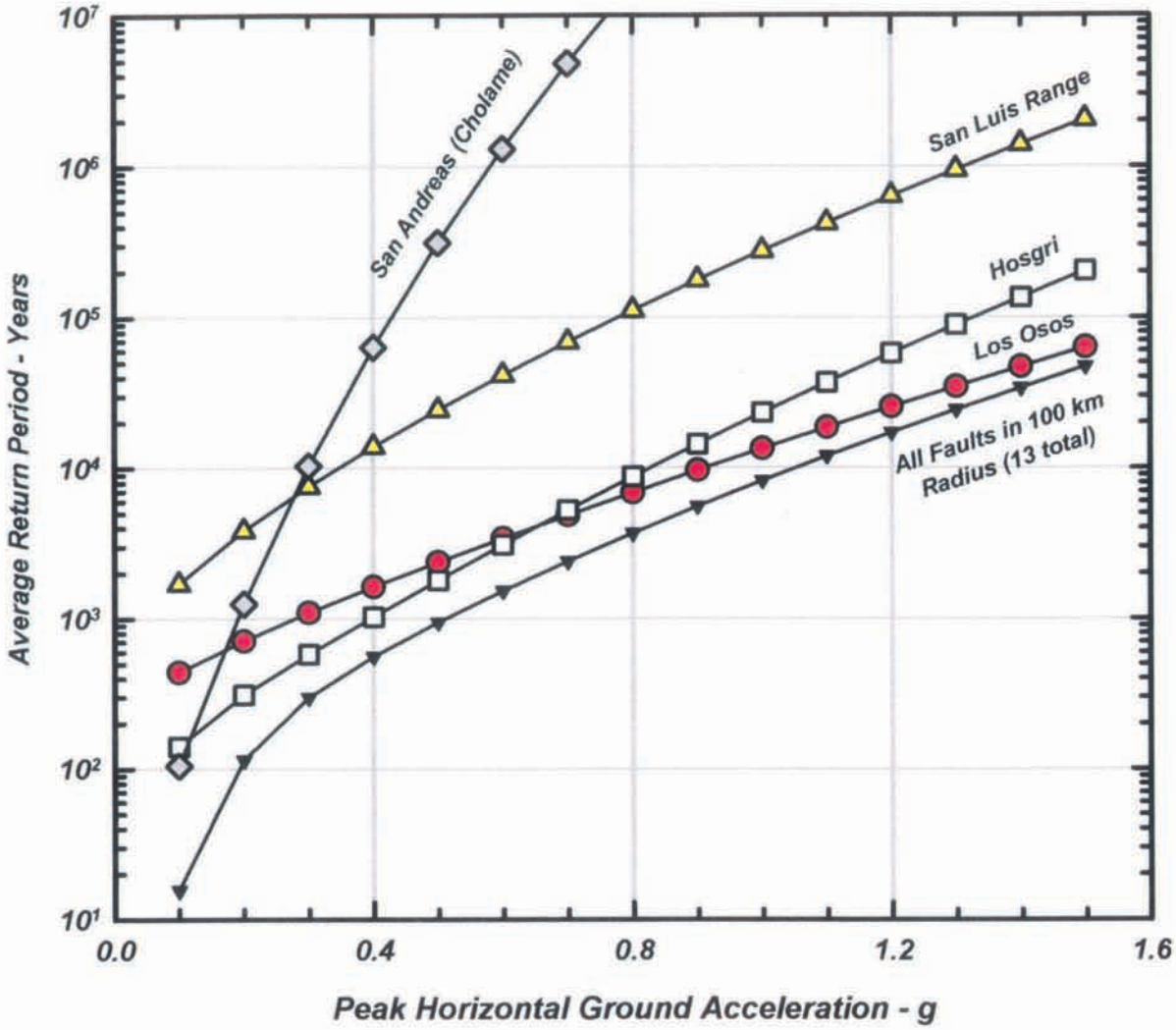
PLATE 5b



RESULTS OF PROBABILISTIC SEISMIC HAZARD ANALYSIS
PLOT SHOWING PROBABILITY OF EXCEEDENCE VERSUS
PEAK HORIZONTAL GROUND ACCELERATION

Los Osos Wastewater Project
Los Osos, California

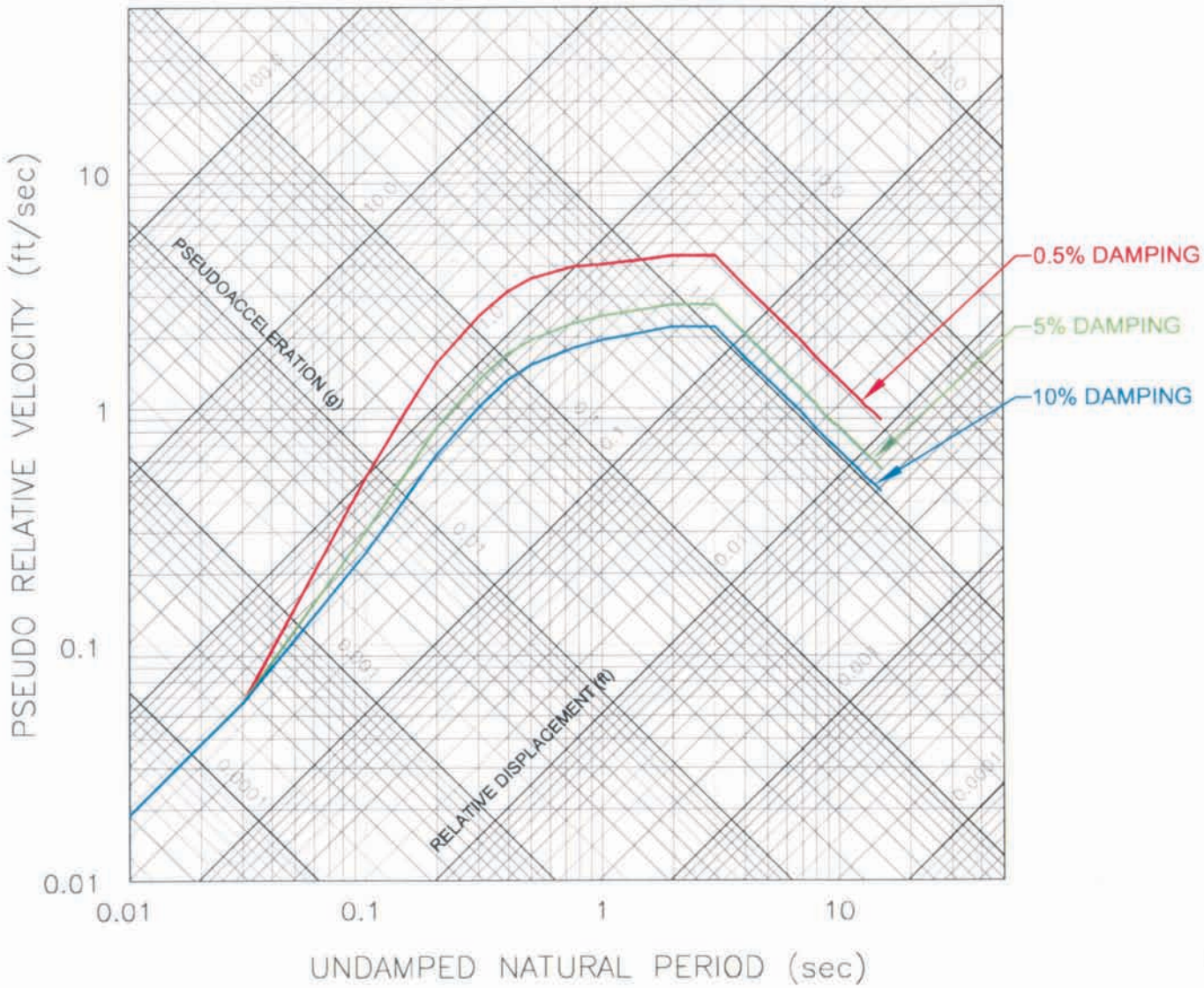
PLATE 6a



RESULTS OF PROBABILISTIC SEISMIC HAZARD ANALYSIS
PLOT SHOWING AVERAGE RETURN PERIOD VERSUS
PEAK HORIZONTAL GROUND ACCELERATION

Los Osos Wastewater Project
Los Osos, California

PLATE 6b

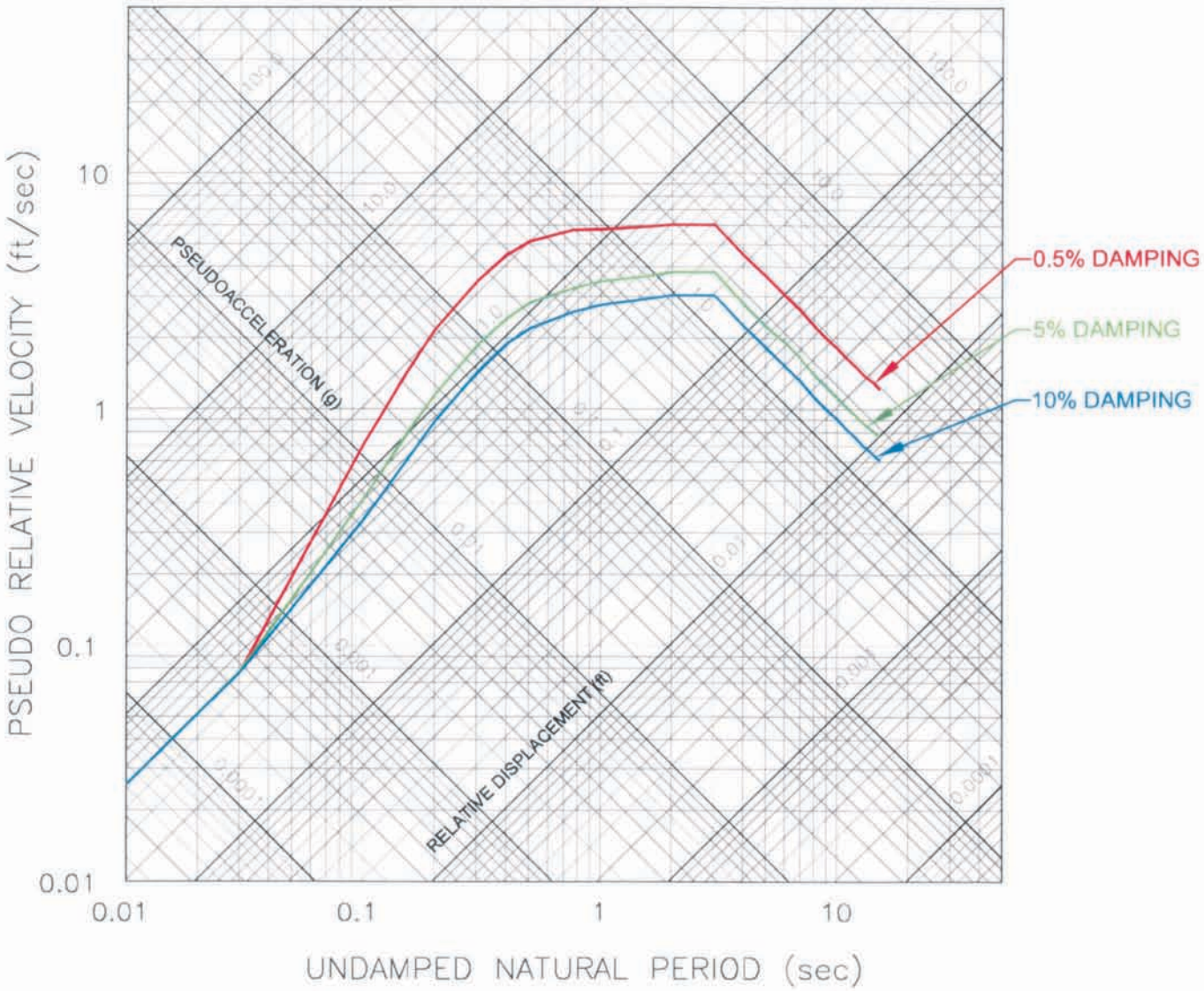


2003\3055.001.D4\3055.001.D4spectra1.dwg(0-6),none.ctb

RESULTS OF PROBABILISTIC SEISMIC HAZARD ANALYSIS

Design Response Spectra - 10% Chance of Exceedance in 50 Years
Los Osos Wastewater Project
San Luis Obispo County, California

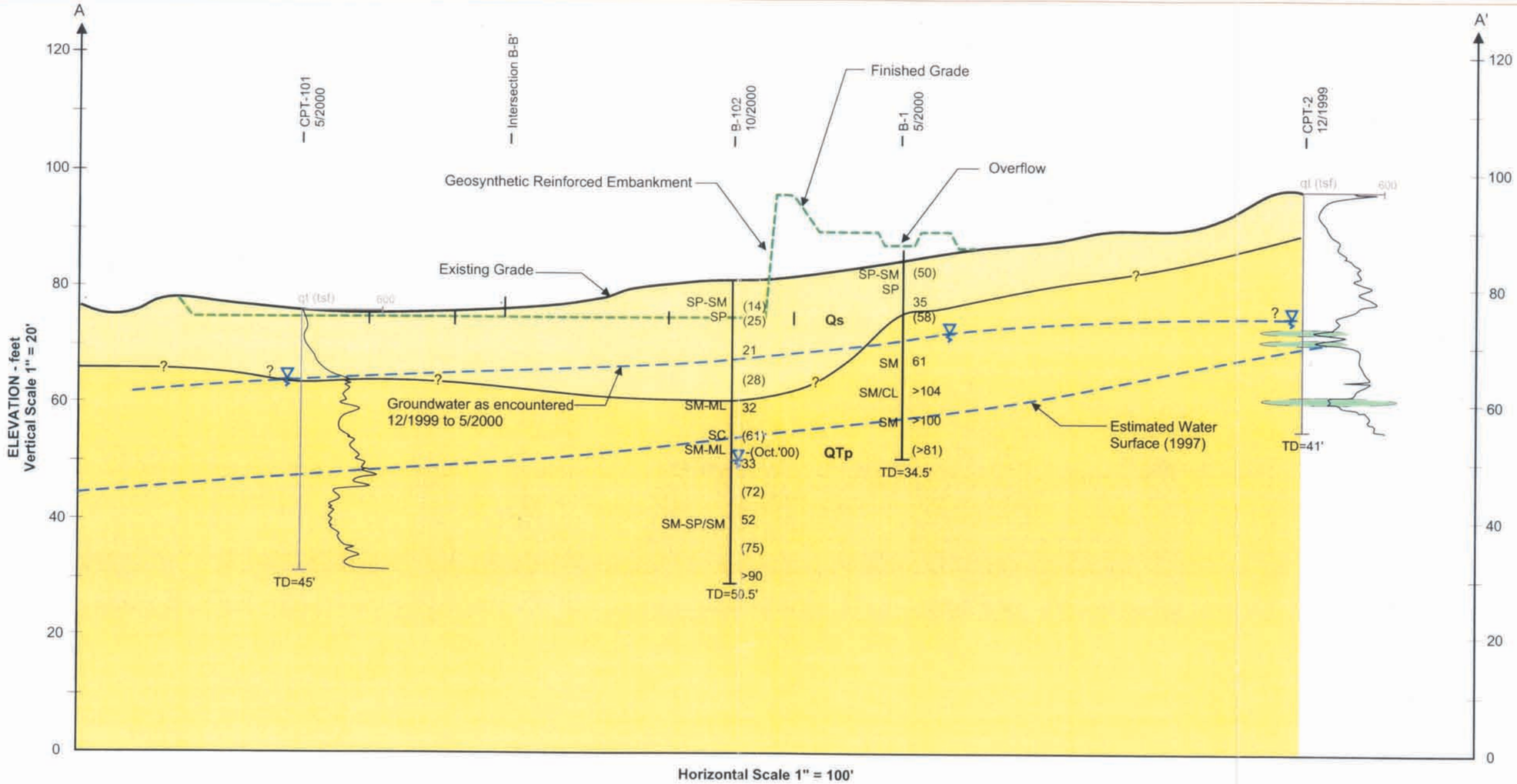
PLATE 6c



RESULTS OF PROBABILISTIC SEISMIC HAZARD ANALYSIS

Design Response Spectra - 10% Chance of Exceedance in 100 Years
Los Osos Wastewater Project
San Luis Obispo County, California

PLATE 6d



Legend

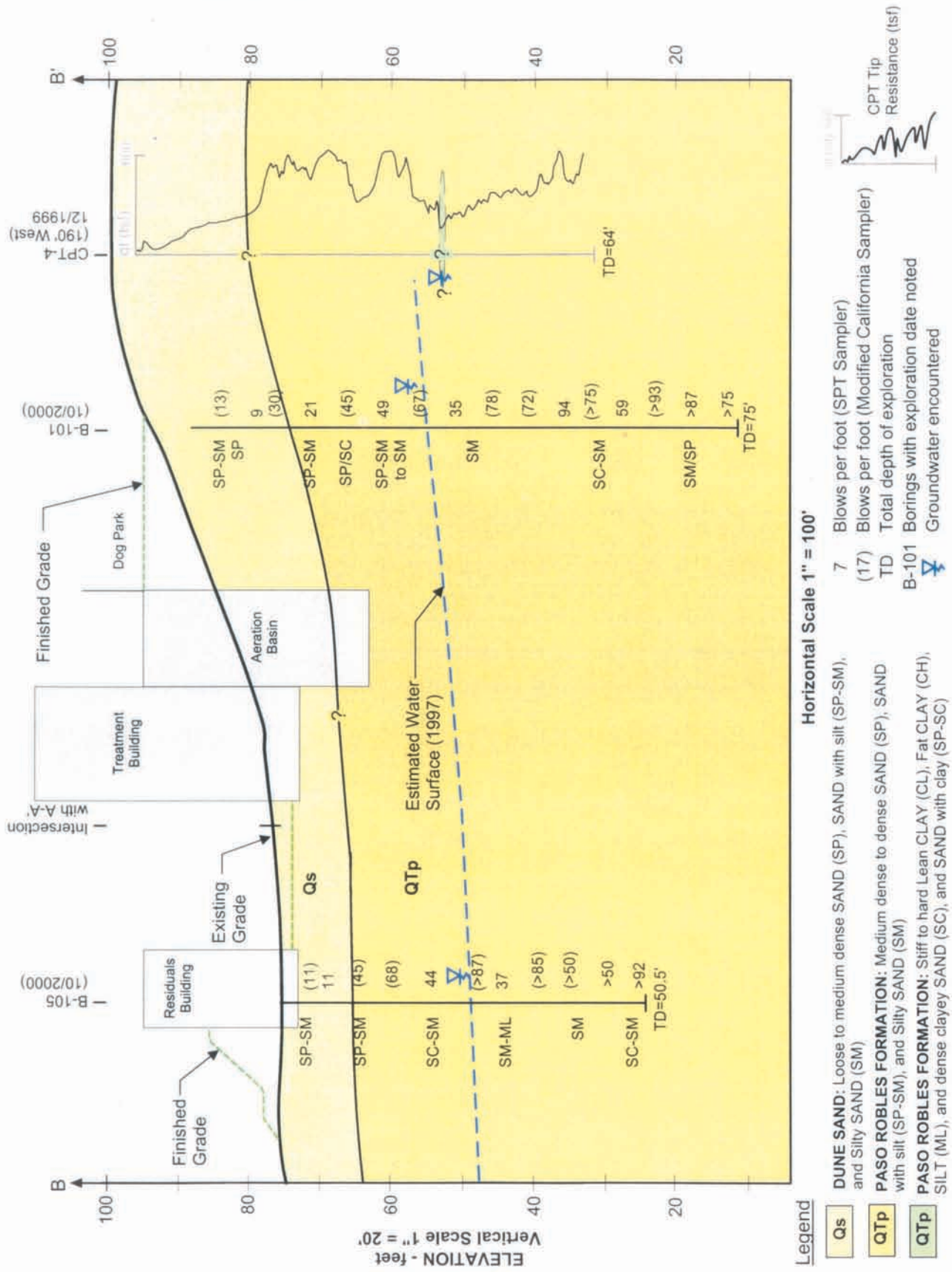
Qs	**DUNE SAND:** Loose to medium dense SAND (SP), SAND with silt (SP-SM), and Silty SAND (SM)
QTp	**PASO ROBLES FORMATION:** Medium dense to dense SAND (SP), SAND with silt (SP-SM), and Silty SAND (SM)
QTp	**PASO ROBLES FORMATION:** Stiff to hard Lean CLAY (CL), Fat CLAY (CH), SILT (ML), and dense clayey SAND (SC), and SAND with clay (SP-SC)

7	Blows per foot (SPT Sampler)
(17)	Blows per foot (Modified California Sampler)
TD	Total depth of exploration
B-101	Borings with exploration date noted
▽	Groundwater encountered

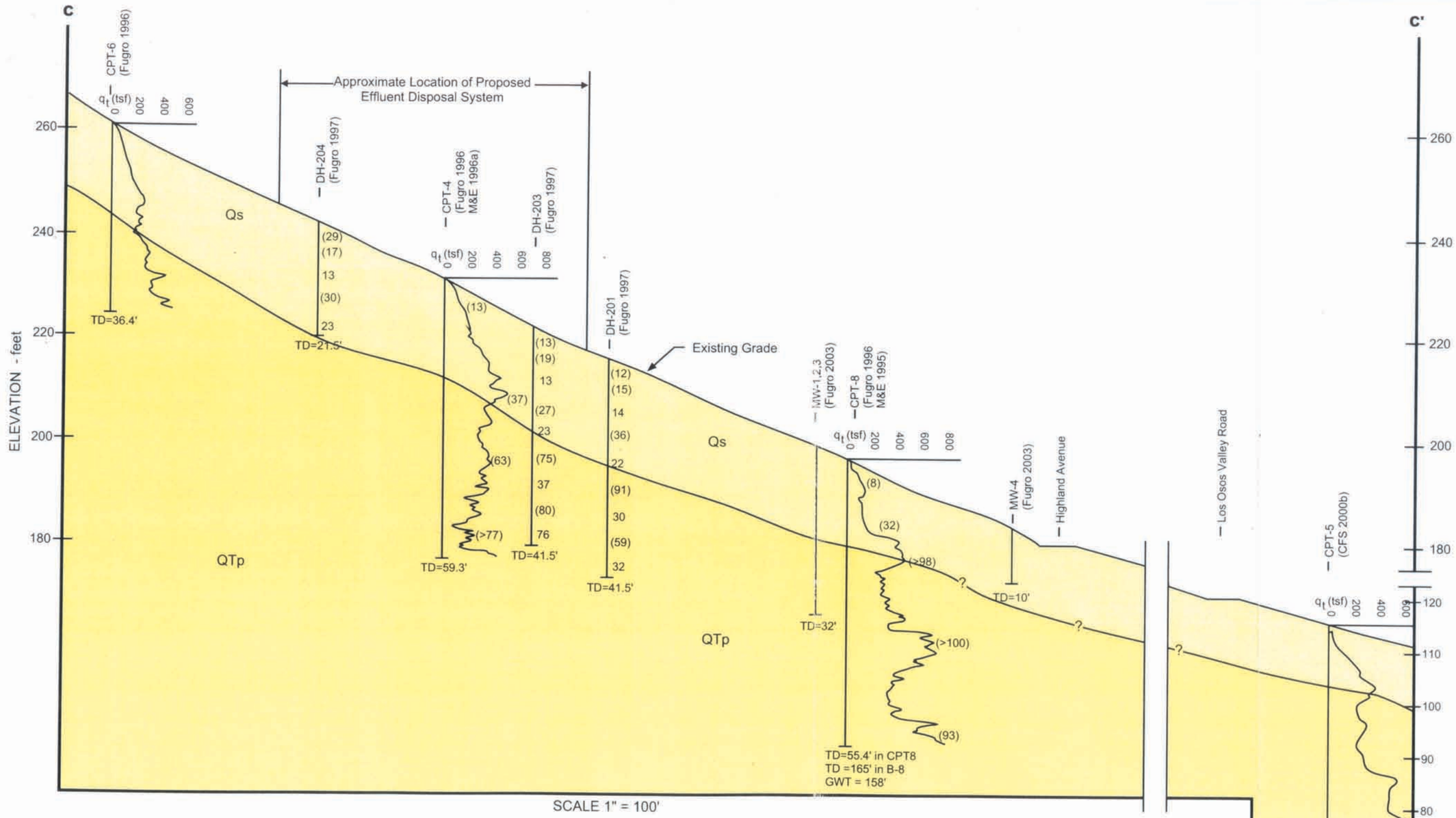
CPT Tip Resistance (tsf)

SUBSURFACE PROFILE A - A'
for Tri W Treatment Plant
Los Osos Wastewater Project
San Luis Obispo County, California

3055.001 LOWTP.dwf



SUBSURFACE PROFILE B - B'
for Tri W Treatment Plant
Los Osos Wastewater Project
San Luis Obispo County, California



Legend

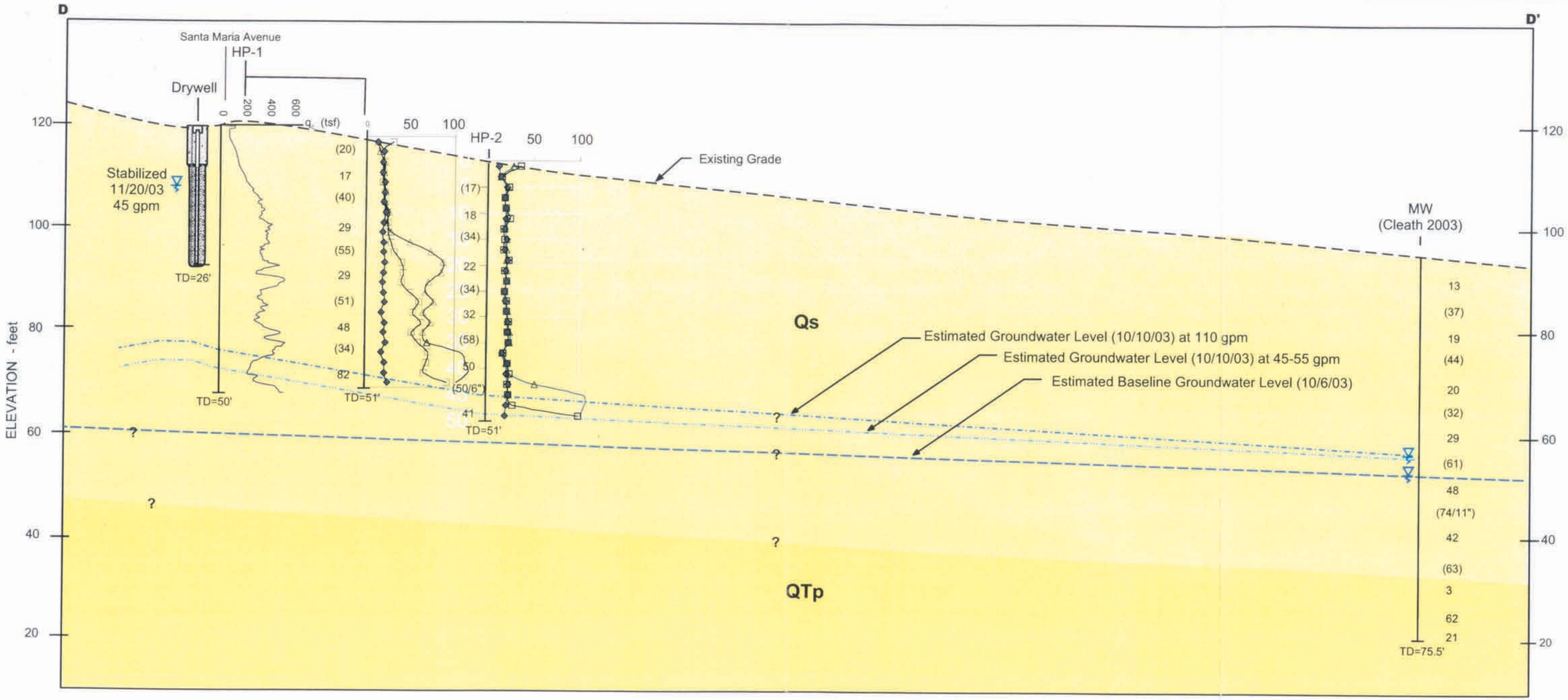
Qs **DUNE SAND:** Loose to medium dense SAND (SP), SAND with silt (SP-SM), and Silty SAND (SM)

QTp **PASO ROBLES FORMATION:** Medium dense to very dense SAND (SP), SAND with silt (SP-SM), and Silty SAND (SM)

7 Blows per foot (SPT Sampler)
(17) Blows per foot (Modified California Sampler)
TD Total depth of exploration
GWT Groundwater Table
B-101 Borings with exploration date noted
Groundwater encountered

CPT Tip Resistance (tsf)

SUBSURFACE PROFILE C-C'
for Broderson Disposal Site
Los Osos Wastwater Project
Los Osos, California



SCALE 1" = 20'

Legend

Qs **DUNE SAND:** Medium to very dense SAND (SP) and SAND with silt (SP-SM) with pockets of silt and silty sand.

QTp **PASO ROBLES FORMATION:** Dense to Very SAND (SP), SAND with silt (SP-SM), and Silty SAND (SM)

- 7 Blows per foot (SPT Sampler)
- (17) Blows per foot (Modified California Sampler)
- TD Total depth of exploration
- B-101 Borings with exploration date noted
- Groundwater encountered

CPT Sounding
Tip Resistance vs. Depth

Hydro Probe Sounding
Degree of Saturation vs. Depth
(estimated)

- Baseline Reading (Oct. 6, 2003)
- Stabilized Reading at 110 gpm (Oct. 27, 2003)
- Stabilized Reading at 45 gpm (Nov. 20, 2003)

SUBSURFACE PROFILE D-D'
for Prototype Drywell Site
Los Osos Wastwater Project
Los Osos, California