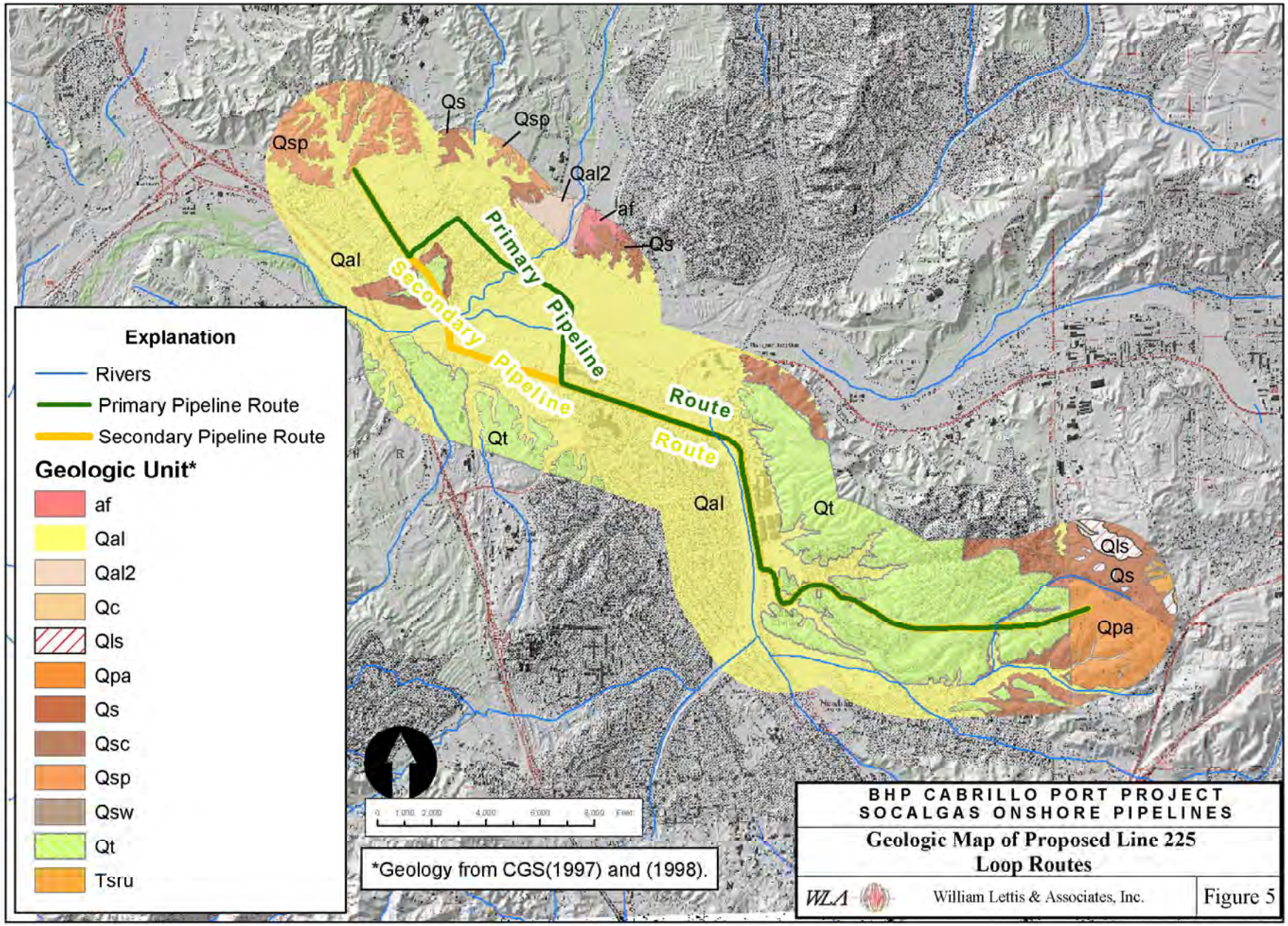
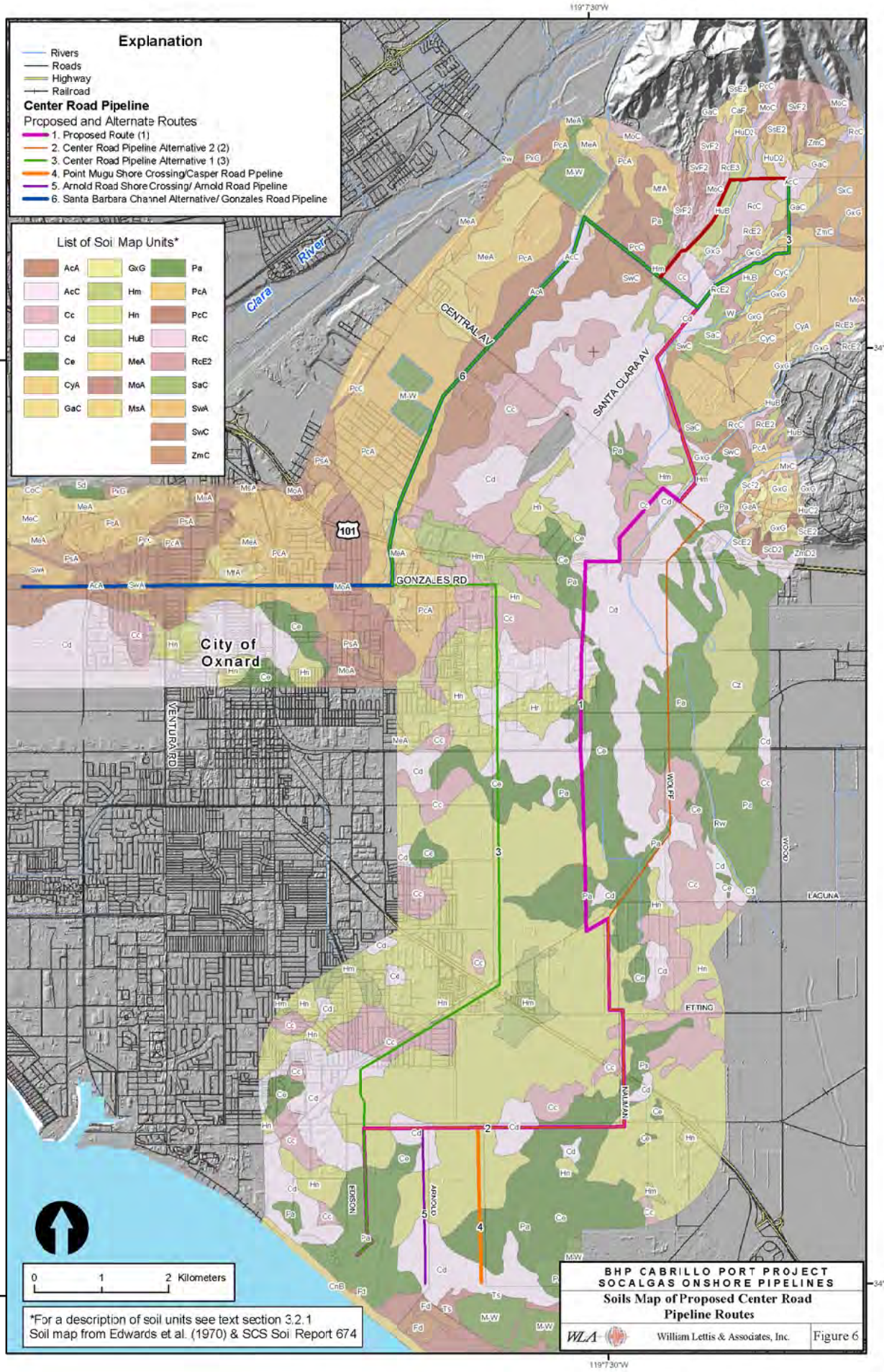
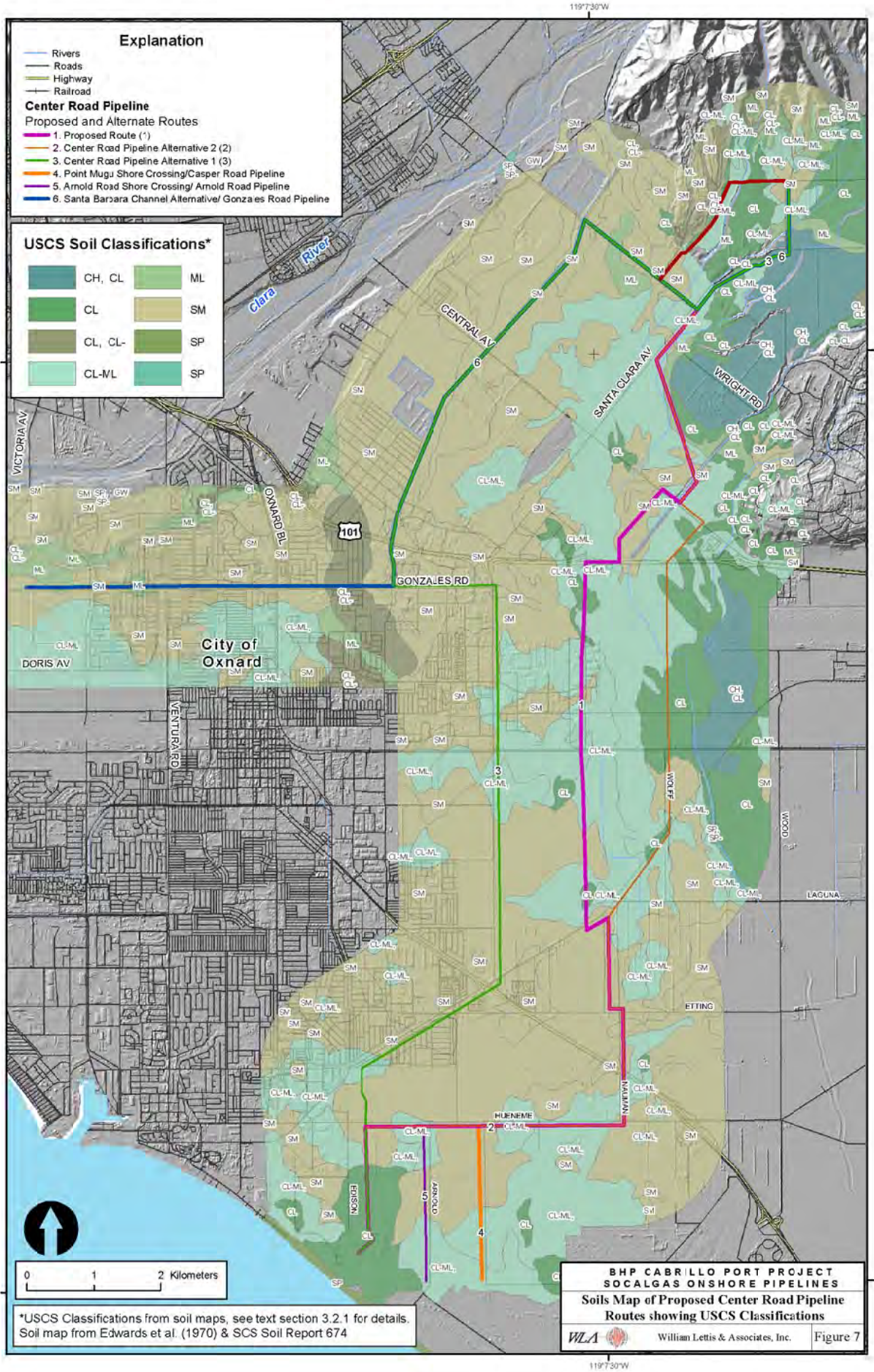
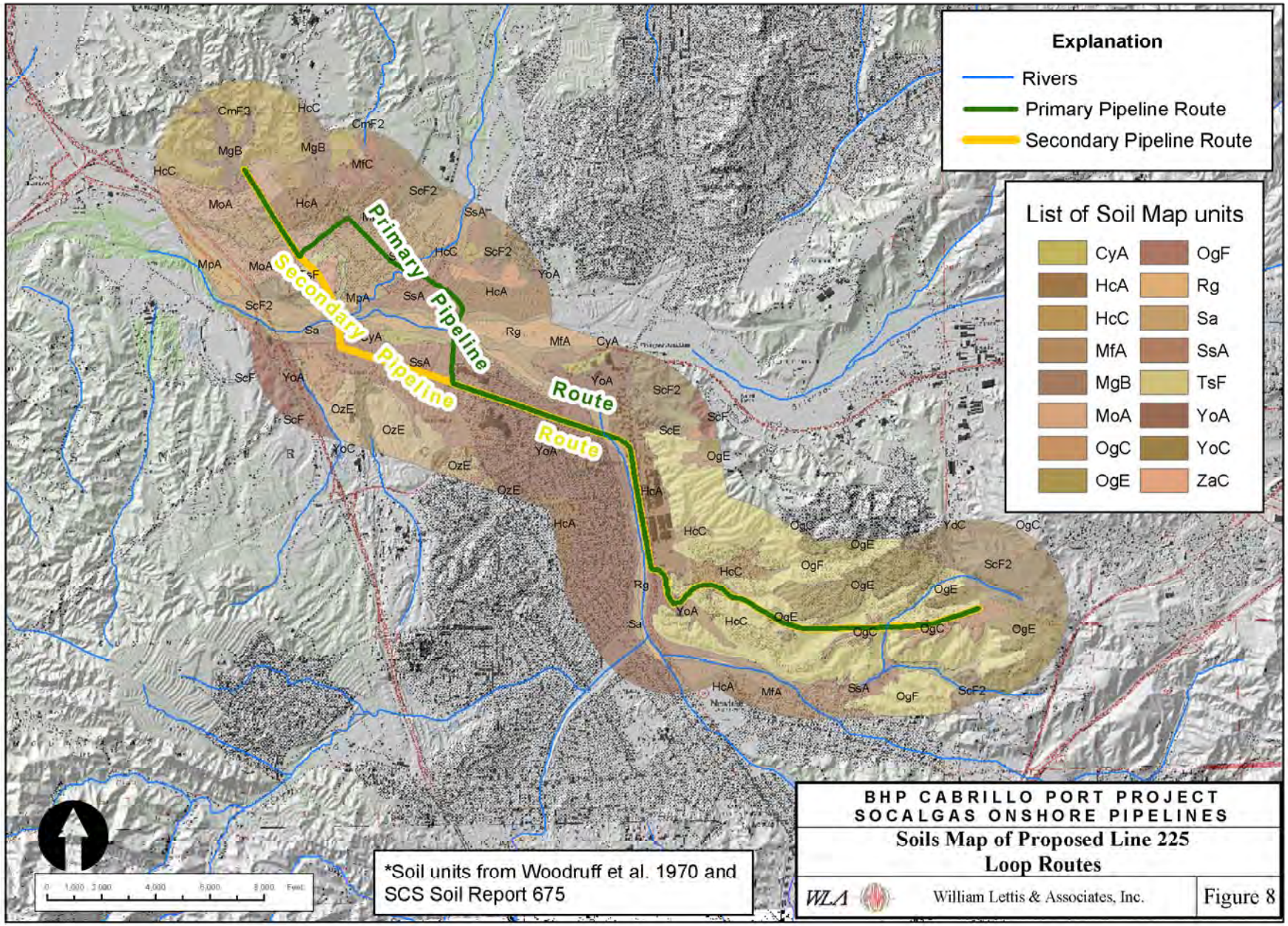

Qs
Qsp
Qsp
Qal2
af
Qs
Qal
Primary Pipeline Route
Secondary Pipeline Route
Qt
Qal
Qt
Qls
Qs
Qpa
Explanation
Rivers
Primary Pipeline Route
Secondary Pipeline Route
Geologic Unit*
af
Qal
Qal2
Qc
Qls
Qpa
Qs
Qsc
Qsp
Qsw
Qt
Tsru
*Geology from CGS(1997) and (1998).
BHP CABRILLO PORT PROJECT
SOCALGAS ONSHORE PIPELINES
Geologic Map of Proposed Line 225
Loop Routes
WLA
William Lettis & Associates, Inc.
Figure 5



Explanation
Rivers
Roads
Highway
Railroad
Center Road Pipeline
Proposed and Alternate Routes
1. Proposed Route (1)
2. Center Road Pipeline Alternative 2 (2)
3. Center Road Pipeline Alternative 1 (3)
4. Point Mugu Shore Crossing/Casper Road Pipeline
5. Arnold Road Shore Crossing/ Arnold Road Pipeline
6. Santa Barbara Channel Alternative/ Gonzales Road Pipeline
List of Soil Map Units*
AcA
AcC
Cc
Cd
Ce
CyA
GaC
GxG
Hm
Hn
HuB
MeA
MoA
MsA
Pa
PcA
PcC
RcC
RcE2
SaC
SwA
SwC
ZmC
Clara River
CENTRAL AV
SANTA CLARA AV
GONZALES RD
101
City of Oxnard
VENTURA RD
WOLFF
WOOD
LAGUNA
ETTING
NAUMAN
EDISON
ARNOLD
119°7'30"W
34°15'0"N
34°7'30"N
0 1 2 Kilometers
*For a description of soil units see text section 3.2.1
Soil map from Edwards et al. (1970) & SCS Soil Report 674
BHP CABRILLO PORT PROJECT
SOCALGAS ONSHORE PIPELINES
Soils Map of Proposed Center Road Pipeline Routes
WLA
William Lettis & Associates, Inc.
Figure 6



Explanation
Rivers
Roads
Highway
Railroad
Center Road Pipeline
Proposed and Alternate Routes
1. Proposed Route (1)
2. Center Road Pipeline Alternative 2 (2)
3. Center Road Pipeline Alternative 1 (3)
4. Point Mugu Shore Crossing/Casper Road Pipeline
5. Arnold Road Shore Crossing/ Arnold Road Pipeline
6. Santa Barbara Channel Alternative/ Gonzales Road Pipeline
USCS Soil Classifications*
CH, CL
CL
CL, CL-
CL-ML
ML
SM
SP
SP
119°7'30"W
34°15'0"N
34°7'30"N
Clara River
CENTRAL AV
SANTA CLARA AV
WRIGHT RD
VICTORIA AV
OXNARD BL
101
GONZALES RD
City of Oxnard
DORIS AV
VENTURA RD
WOLFF
WOOD
LAGUNA
ETTING
NAUMAN
HUENEME
EDISON
ARNOLD
0 1 2 Kilometers
*USCS Classifications from soil maps, see text section 3.2.1 for details.
Soil map from Edwards et al. (1970) & SCS Soil Report 674
BHP CABRILLO PORT PROJECT
SOCALGAS ONSHORE PIPELINES
Soils Map of Proposed Center Road Pipeline Routes showing USCS Classifications
WLA
William Lettis & Associates, Inc.
Figure 7


Explanation
Rivers
Primary Pipeline Route
Secondary Pipeline Route
List of Soil Map units
CyA
HcA
HcC
MfA
MgB
MoA
OgC
OgE
OgF
Rg
Sa
SsA
TsF
YoA
YoC
ZaC
Primary Pipeline Route
Secondary Pipeline Route
*Soil units from Woodruff et al. 1970 and SCS Soil Report 675
BHP CABRILLO PORT PROJECT
SOCALGAS ONSHORE PIPELINES
Soils Map of Proposed Line 225
Loop Routes
WLA
William Lettis & Associates, Inc.
Figure 8