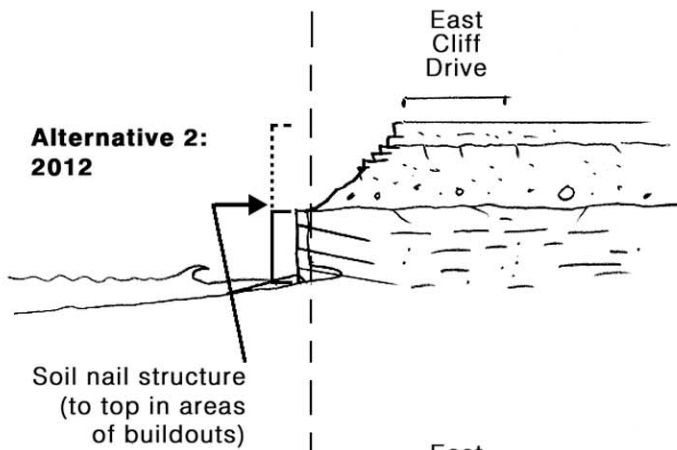


**Alternative 2:
Present**

Stage 1
Same as No Project.

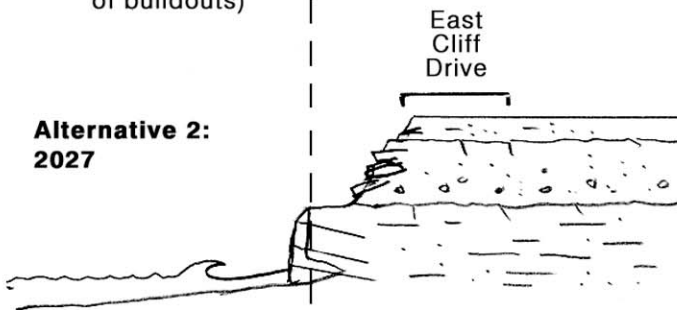
Interlude A
Same as No Project
until construction
complete.



**Alternative 2:
2012**

Stage 2
Purisima protected. No
erosion of Purisima
Formation.

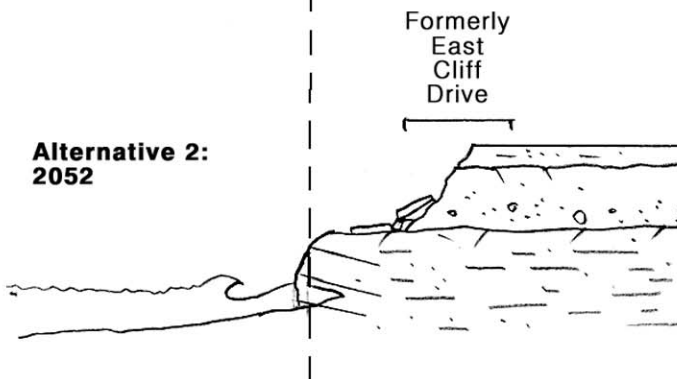
Interlude B
Terrace deposits continue to erode
by weathering, rainfall/runoff, and
other slow processes until stable
angle of repose is reached. Periodic
high waves remove sediment from
base of terrace deposits. Begins to
threaten East Cliff Drive.



**Alternative 2:
2027**

Stage 3
Purisima remains in place.
Terrace deposits have retreated,
leaving a ledge of exposed Purisima.
Crib walls built to protect
East Cliff Drive.

Interlude C
Terrace deposits continue to retreat
due to slow weathering and periodic
wave overtopping. Rate of retreat
decreases over time. Debris from
terrace deposits forms at foot of
terrace deposit slope. Maximum
retreat less than 50 feet. Portions of
East Cliff Drive fail.



**Alternative 2:
2052**

Stage 4
Retreat of Terrace depos-
its has removed portion of
East Cliff Drive.

Source: Griggs 2001

Alternative 2
Partial Bluff Armoring
Santa Cruz, California
Figure 6-2