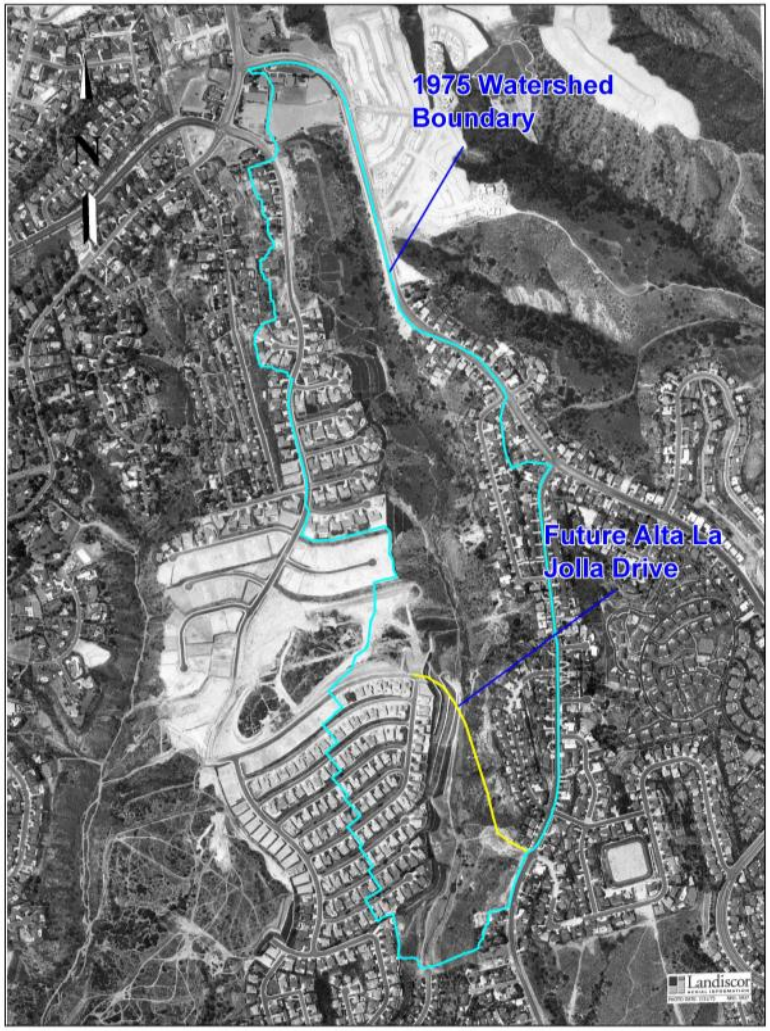
La Jolla Alta

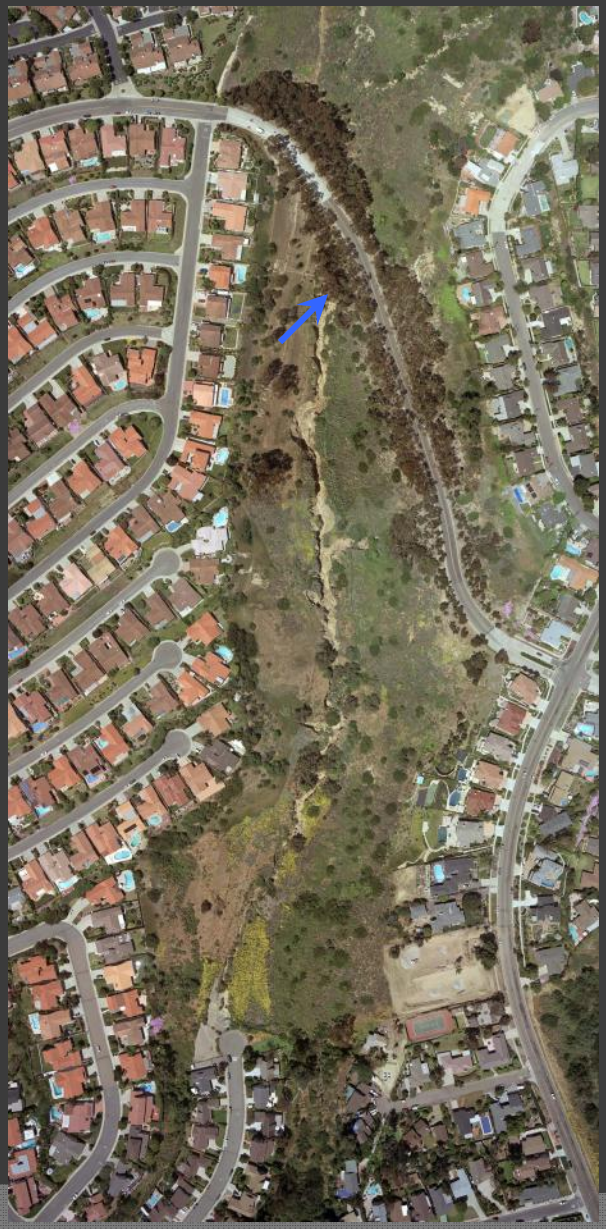


Aerial View 1975

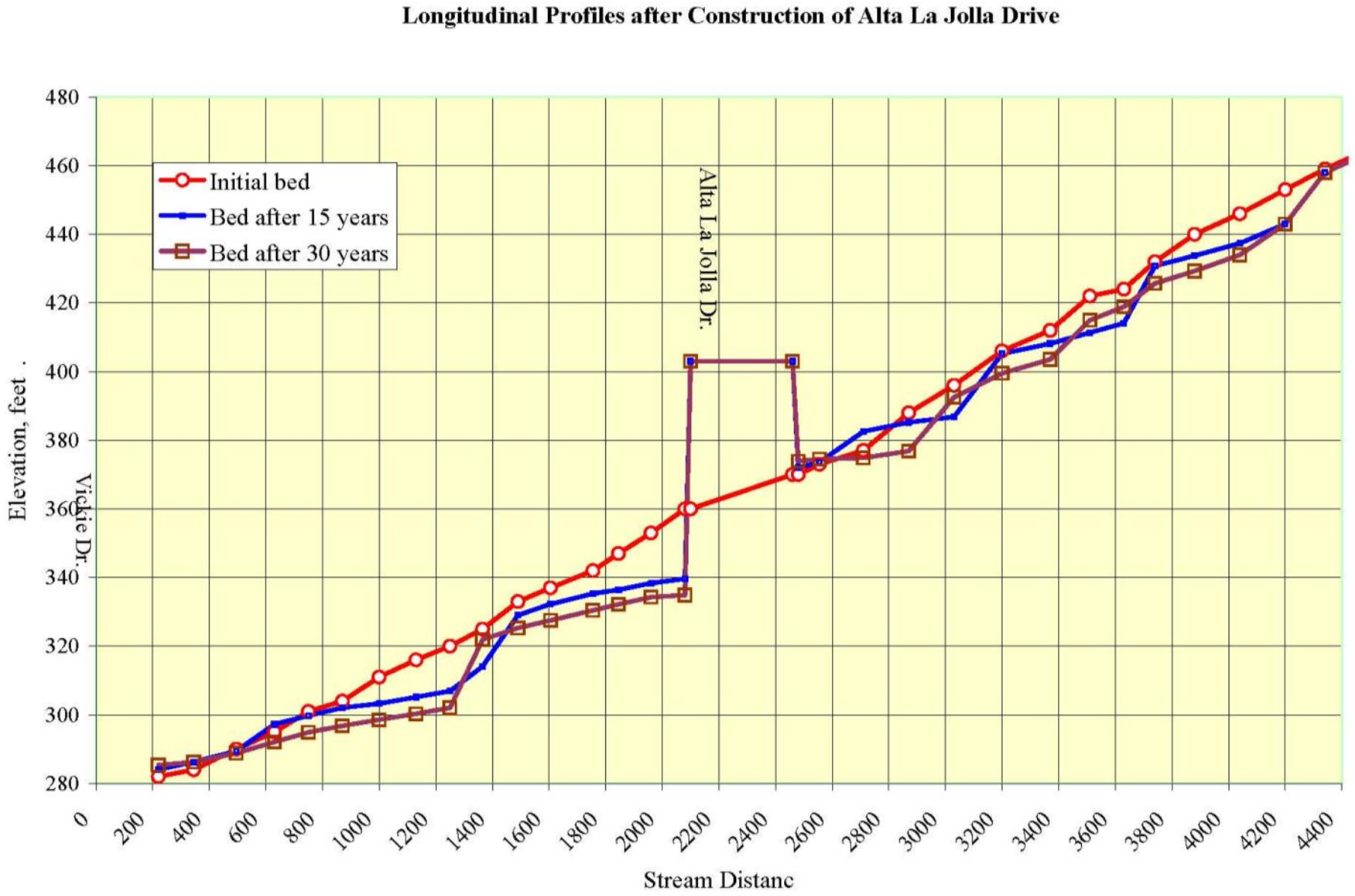
Oblique View 1976

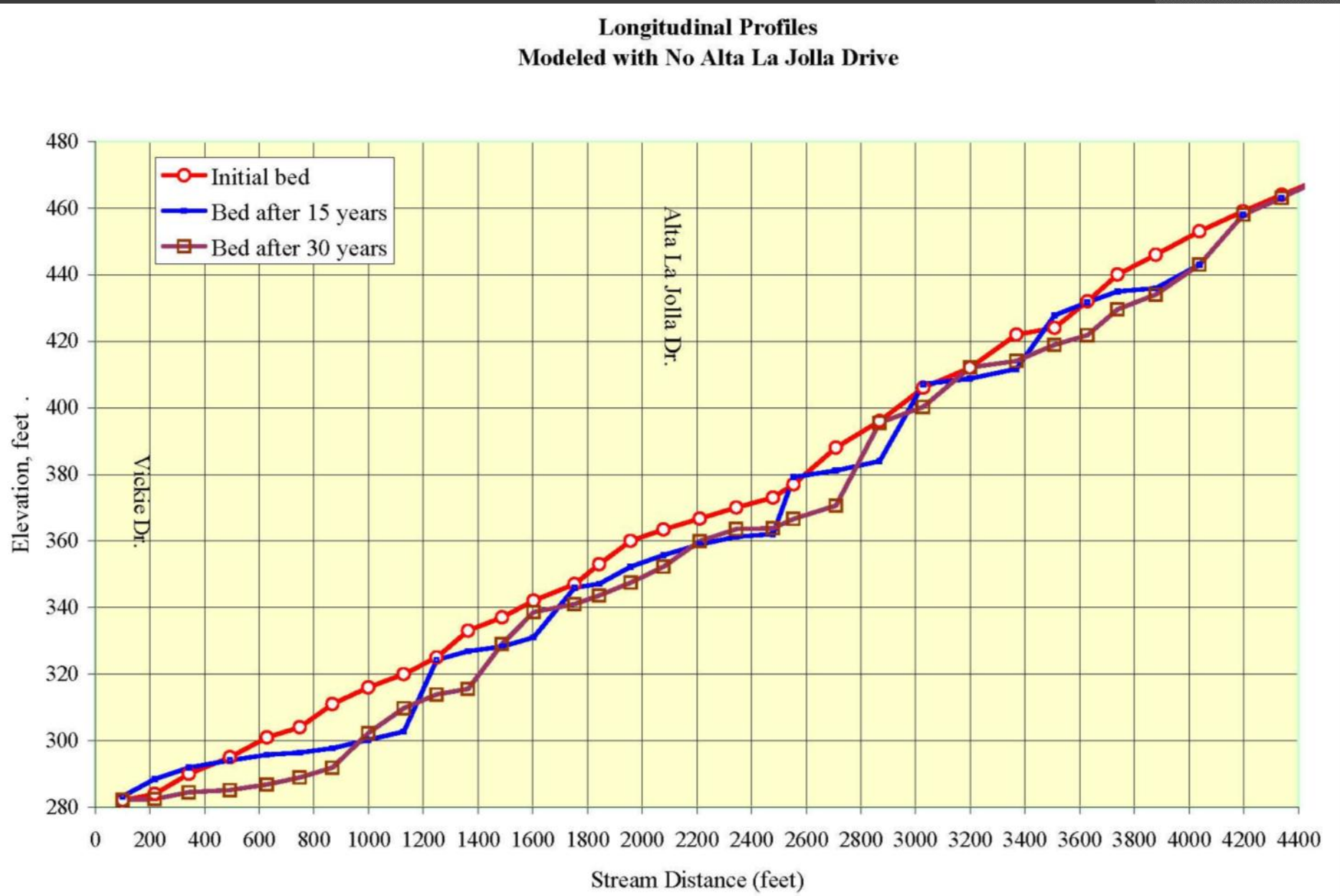
La Jolla Alta

- Headcutting in natural channel caused by culverts under road
- Investigation of upstream sedimentation and the erosion effects downstream



Exit of Road Culverts


Longitudinal Profiles after Construction of Alta La Jolla Drive
Initial bed
Bed after 15 years
Bed after 30 years
Alta La Jolla Dr.
Vickie Dr.
Elevation, feet
Stream Distanc
480
460
440
420
400
380
360
340
320
300
280
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
4200
4400


Longitudinal Profiles
Modeled with No Alta La Jolla Drive
Initial bed
Bed after 15 years
Bed after 30 years
Alta La Jolla Dr.
Vickie Dr.
Elevation, feet .
480
460
440
420
400
380
360
340
320
300
280
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
4200
4400
Stream Distance (feet)