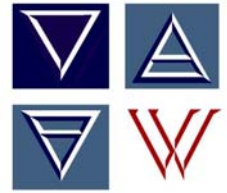


Project Name: Former Unocal Hartley Research Center



Project Scope: Environmental investigation and remediation of a petroleum research and development facility for redevelopment as residential community.

General Project Description and Services Provided

The evaluation of a 120-acre facility in operation in Brea since the 1950s to identify areas of soil impact requiring remediation in preparation for residential redevelopment; development of remedial workplans; site-wide investigation of soil; soil remediation by excavation, offsite disposal and deep onsite burial. All work was conducted under the regulatory oversight of the Orange County Health Care Agency and Santa Ana Regional Water Quality Control Board.

Key Project Highlights

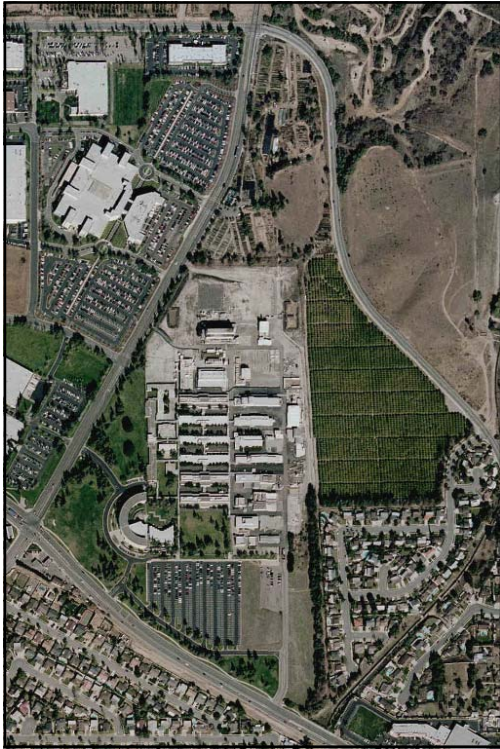
- ◆ Soil remediation of large oilfield sump 65,000 cubic yards.
- ◆ Soil remediation of former diesel fuel spill area 10,000 cubic yards.
- ◆ Excavation and off-site disposal of 1,000 tons of arsenic soil.
- ◆ Sampling and evaluation of over 300,000 cubic yards of import soil to achieve site design criteria.
- ◆ Soil vapor studies and methane monitoring.
- ◆ Baseline sampling prior to property transfer.



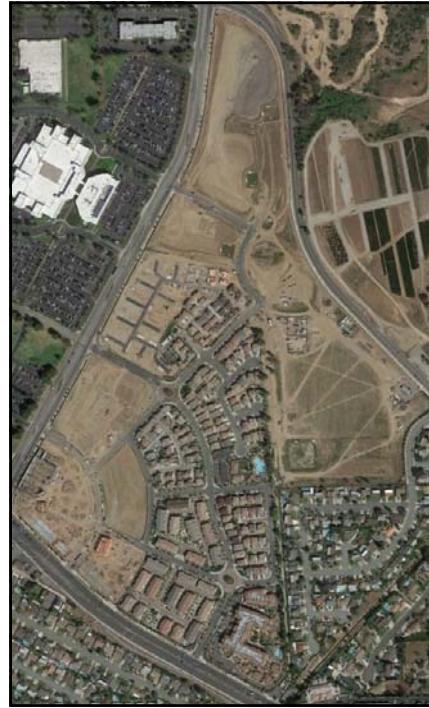
Hartley Facility 1964



Excavation of Former Oilfield Sump



Unocal Hartley Center and Surrounding Area — 2001.



Development in Progress March 2015



86,711 SF Commercial Portion



Residential development of 1,100 units and assisted living facility

Results and Final Product

- ◆ Impacted soil was effectively remediated by removal or placement in deep burial areas with a minimum 10-foot buffer of clean soil.
- ◆ Cleanup met residential standards to allow for unrestricted site use.
- ◆ Site closure was issued by Orange County Health Care Agency and Santa Ana Region of California Regional Water Quality Control Board.
- ◆ Import soil achieved site design and provided maximum property value.

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Brea, CA 92821
(714) 671-3233

Total Cost to Date: \$1,500,000
Site Characterization/Soil Remediation: \$750,000
Baseline Sampling: \$250,000
Soil Vapor Sampling/Methane Monitoring: \$75,000