

City of Rancho Palos Verdes

2013 Infrastructure Report Card

Engineer's Opinion of Improvement Costs to Improve
Landslide Infrastructure Grade Level to
One Letter Grade (D to C)

No.	Description & Location (Drainage Area)	Cost
1	Repair corrugated pipe under roads in landslide area	\$445,400
2	Construct new dewatering wells (3)	\$255,000
3	Replace/refurbish dewatering wells (3)	\$210,000
4	Instrument wells per City's 2013 CIP	\$121,000
5	Repair/upgrade detention basins associated with drainage pipes	\$200,000
6	Sponsor additional non-City owned dewatering wells (1)	\$85,000
Total		\$1,316,400

Prepared by: SA Associates

City of Rancho Palos Verdes

2013 Infrastructure Report Card

Engineer's Opinion of Improvement Costs to Improve
Landslide Infrastructure Grade Level to
An "A" Grade (D to A)

No.	Description & Location (Drainage Area)	Cost
1	Improvements Listed in Table Above	\$1,316,400
2	Grading improvements	\$500,000
3	Additional new dewatering wells (4)	\$340,000
4	Sponsor additional dewatering wells (3)	\$255,000
5	Rehabilitation of dewatering wells (multiple)	\$1,500,000
6	Miscellaneous Improvements (i.e. landscaping, drainage, etc.) including Paintbrush Canyon Drainage and Altamira Canyon Drainage	\$7,568,000
Total		\$11,479,400

Prepared by: SA Associates

Note: the City's 2012 Landslide Workshop and 2013 Five-Year Capital Improvement Plan was used to prepare the above estimates. Items may not exactly match the City's 2013-2014 CIP cost estimates as they have been modified based on the engineer's opinion resulting from preparing the Infrastructure Report Card and discussions with City staff.