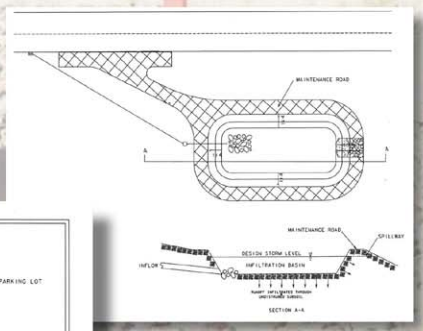
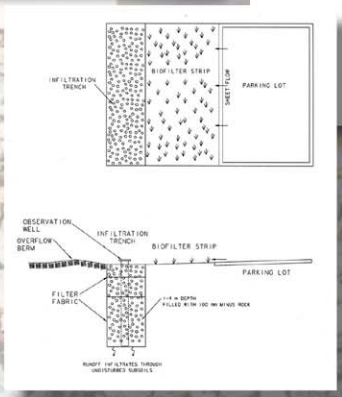
INFILTRATION BASIN
INFILTRATION TRENCH





Infiltration Basin Construction Costs

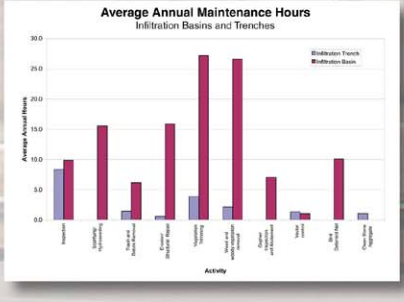
Site	Actual Cost, $	Actual Cost w/o Monitoring, $	Cost/WQV* $/m³
I-605/SR-91	268,130	267,980	620
I-5/La Costa	272,676	267,724	658

* - Actual cost w/o monitoring.
SOURCE: Caltrans Cost Summary Report, CTSW-RT-01-003

Infiltration Trench Construction Costs

Site	Actual Cost, $	Actual Cost w/o Monitoring, $	Cost/WQV* $/m³
Altadena MS	293,588	252,845	$1,470/m³
Carlsbad MS	231,618	202,350	$2,438/m³

* - Actual cost w/o monitoring.
SOURCE: Caltrans Cost Summary Report, CTSW-RT-01-003



Groundwater Constituent Concentrations at La Costa Infiltration Basin

Constituent	Baseline (mg/L)	Average During Operation (mg/L)
TSS	380	202
Nitrate	0.5	0.4
TKN	14	11.8
Total Nitrogen	14.5	16.9
Phosphorus	1.1	1.1
Total Cu	0.055	0.002
Total Pb	0.006	<0.001*
Total Zn	0.042	<0.001*
Dissolved Cu	0.049	<0.001*
Dissolved Pb	0.003	<0.001*
Dissolved Zn	0.028	0.002
TPH-Oil	< 0.200*	<0.200*
TPH-Gasoline	<0.050*	<0.050*
TPH-Diesel	< 0.100*	0.188
Fecal Coliform	< 200 MPN/100mL *	< 200 MPN/100mL *

* --reporting limit

Carlsbad Infiltration Trench

Constituent	Baseline (mg/L)	Average During Operation (mg/L)
TSS	12	28
Nitrate	58	72
TKN	0.7	0.5
Total Nitrogen	58.7	72.5
Phosphorus	0.21	0.213
Total Cu	0.029	0.006
Total Pb	< 0.001*	0.001
Total Zn	0.018	0.004
Dissolved Cu	0.022	0.005
Dissolved Pb	0.001	<0.001*
Dissolved Zn	0.015	0.032
TPH-Oil	< 0.200*	<0.200*
TPH-Diesel	< 0.100*	0.100
Fecal Coliform	< 200 MPN/100mL *	< 200 MPF/100mL *

* --reporting limit