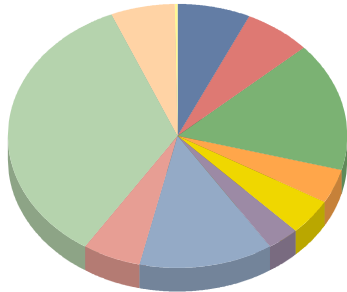


Analysis Report

for

LAS VEGAS WITHIN PROJECT



Land cover in acres and percentages

■ Arid & Semi-Arid Rangeland: Sagebrush: Ground cover 30% - 70%	4,439.7	6.9%
■ Impervious Surfaces: Paved	4,161.3	6.5%
■ Impervious Surfaces: Paved: Drain to sewer	10,171.6	15.9%
■ Impervious Surfaces: Unpaved: Dirt	2,554.1	4.0%
■ Open Space - Grass/Scattered Trees	2,959.2	4.6%
■ Open Space - Grass/Scattered Trees: Grass cover > 75%	1,889.8	2.9%
■ Trees: Grass/turf understory: Ground cover > 75%	8,275.8	12.9%
■ Urban: Commercial/Business	3,478.4	5.4%
■ Urban: Residential	22,194.6	34.6%
■ Urban: Western Desert	3,893.4	6.1%
■ Water Area	125.7	0.2%
Total:	64,143.6	100.0%

Tree Canopy: 8,275.8 acres (12.9%)

Air Pollution Removal

Nearest air quality reference city: **Phoenix**

	<u>Lbs. Removed/yr</u>	<u>Dollar Value/yr.</u>
Carbon Monoxide:	66,394	\$32,584
Ozone:	317,215	\$1,120,736
Nitrogen Dioxide:	169,673	\$599,463
Particulate Matter:	531,150	\$1,252,903
Sulfur Dioxide:	14,754	\$12,733
Totals:	1,099,186	\$3,018,420

Dollar values are based on 2009 dollars

Carbon Storage and Sequestration

Tons Stored (Total):	356,118
Tons Sequestered (Annually):	2,772

Stormwater Management

Water Quantity (Runoff Volume)

2-yr, 24-hr Rainfall in inches:	1.25
Curve Number reflecting existing conditions:	86
Curve Number of replacement land cover:	90

Dominant Soil Type: **C**

Replacement land cover type: (existing condition)

Impervious Surfaces: Buildings/ structures

Additional cu. ft. storage needed: **31,431,263**

Construction cost per cu. ft.: **\$3.00**

Total Stormwater Value: \$94,293,789

Annual Stormwater Value: \$8,220,962

(based on 20-year financing at 6% interest)

Water Quality (Contaminant Loading)

Percent change in contaminant loadings

