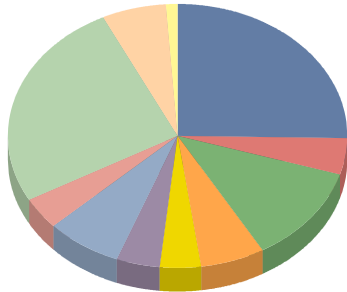


Analysis Report

for

HENDERSON WITHIN PROJECT



Land cover in acres and percentages

■ Arid & Semi-Arid Rangeland: Sagebrush: Ground cover 30% - 70%	12,654.8	25.2%
■ Impervious Surfaces: Paved	2,260.6	4.5%
■ Impervious Surfaces: Paved: Drain to sewer	5,977.3	11.9%
■ Impervious Surfaces: Unpaved: Dirt	3,091.8	6.2%
■ Open Space - Grass/Scattered Trees	2,020.0	4.0%
■ Open Space - Grass/Scattered Trees: Grass cover > 75%	2,060.9	4.1%
■ Trees: Grass/turf understory: Ground cover > 75%	3,545.1	7.1%
■ Urban: Commercial/Business	2,040.4	4.1%
■ Urban: Residential	12,881.2	25.7%
■ Urban: Western Desert	3,184.5	6.3%
■ Water Area	496.1	1.0%
Total:	50,212.6	100.0%

Tree Canopy: 3,545.1 acres (7.1%)

Air Pollution Removal

Nearest air quality reference city: **Phoenix**

	<u>Lbs. Removed/yr</u>	<u>Dollar Value/yr.</u>
Carbon Monoxide:	28,441	\$13,958
Ozone:	135,885	\$480,089
Nitrogen Dioxide:	72,683	\$256,792
Particulate Matter:	227,529	\$536,705
Sulfur Dioxide:	6,320	\$5,455
Totals:	470,858	\$1,292,999

Dollar values are based on 2009 dollars

Carbon Storage and Sequestration

Tons Stored (Total):	152,550
Tons Sequestered (Annually):	1,188

Stormwater Management

Water Quantity (Runoff Volume)

2-yr, 24-hr Rainfall in inches:	1.25
Curve Number reflecting existing conditions:	82
Curve Number of replacement land cover:	84
Dominant Soil Type: C	
Replacement land cover type: (existing condition)	
Impervious Surfaces: Buildings/ structures	
Additional cu. ft. storage needed:	8,775,449
Construction cost per cu. ft.:	\$3.00

Total Stormwater Value: \$26,326,348

Annual Stormwater Value: \$2,295,251

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

Water Quality (Contaminant Loading)

Percent change in contaminant loadings

