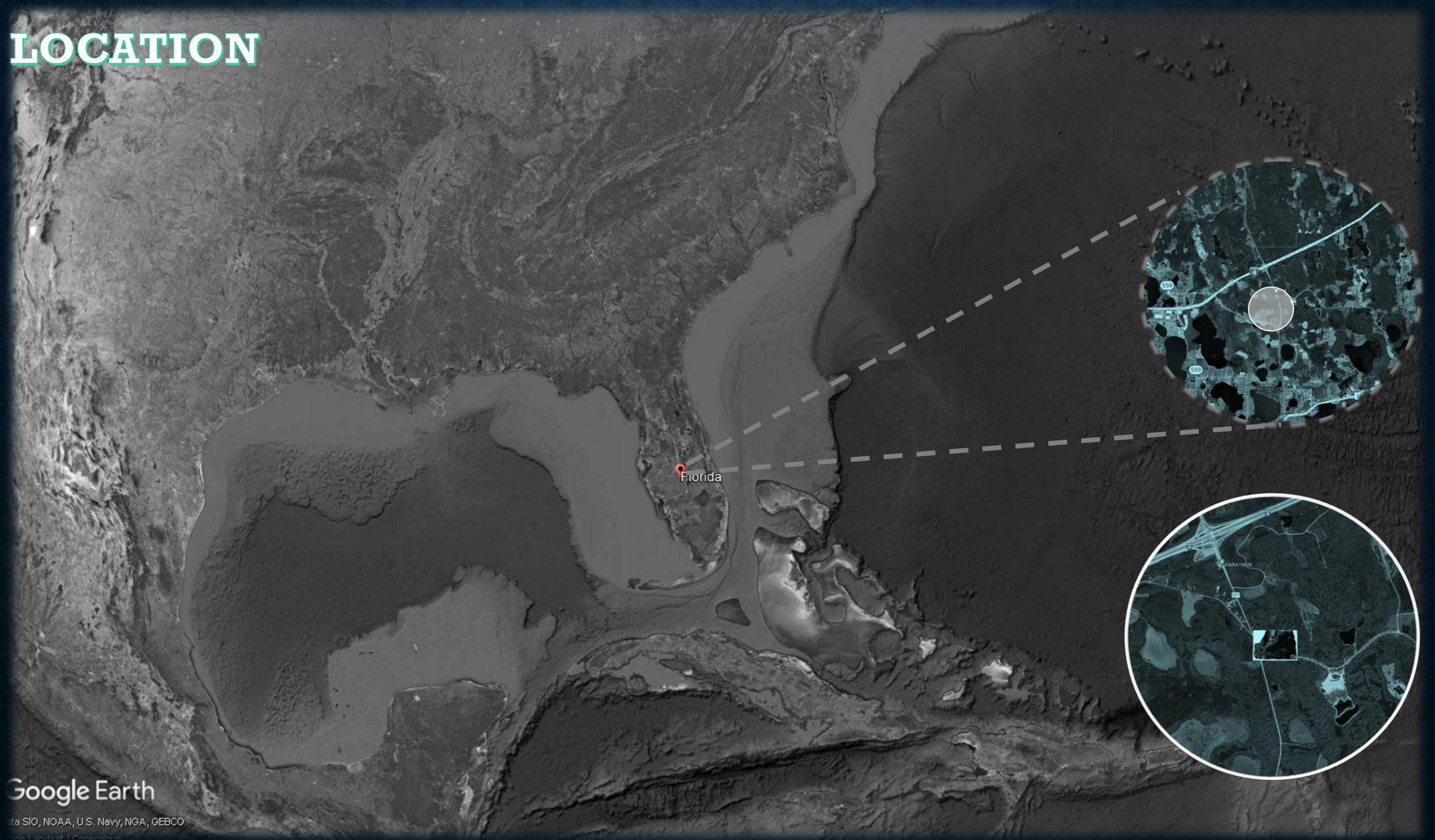


LAKE ALFRED

OLD POLK CITY ROAD SITE ORANGE COUNTY, FLORIDA

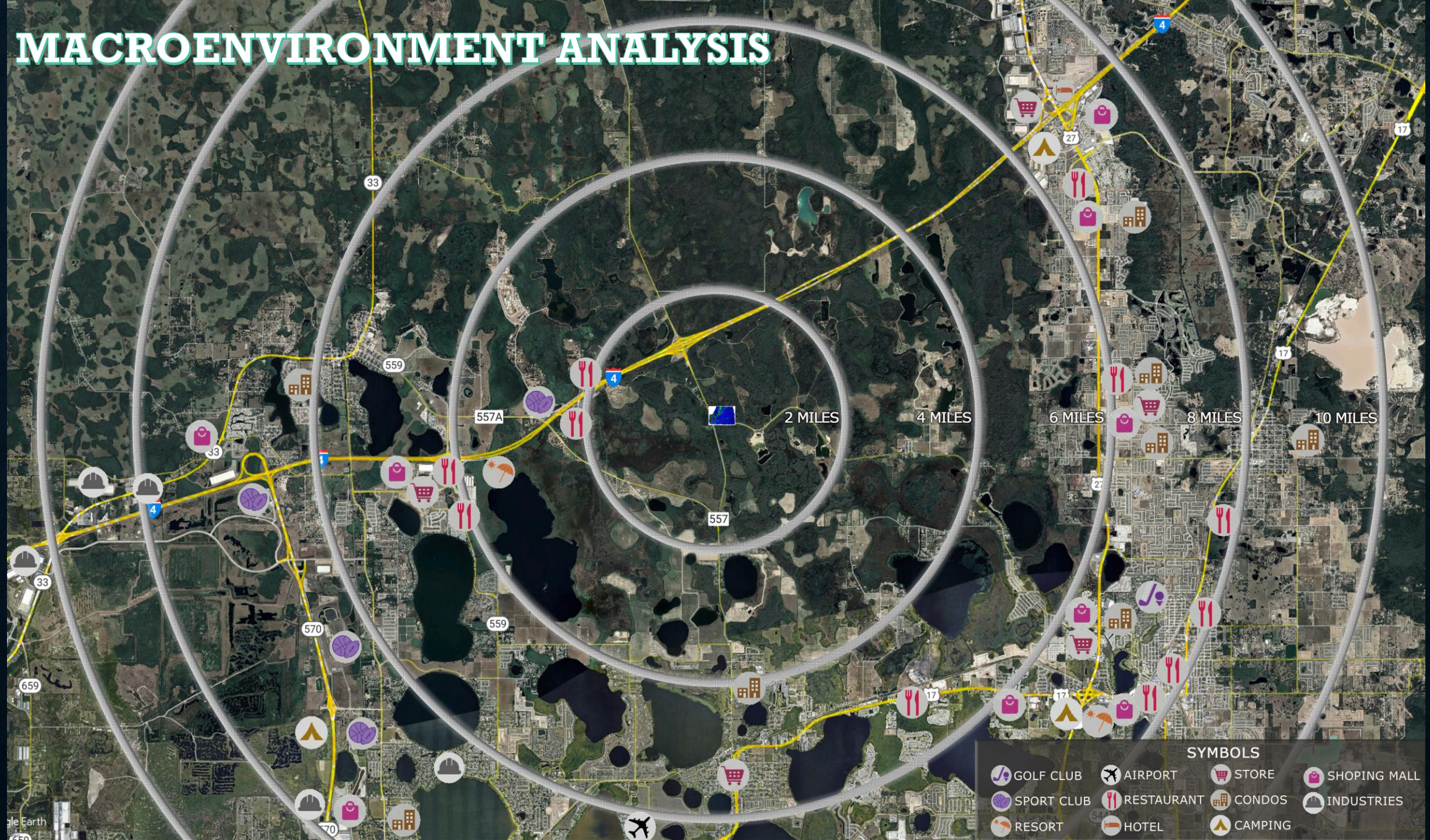
LOCATION



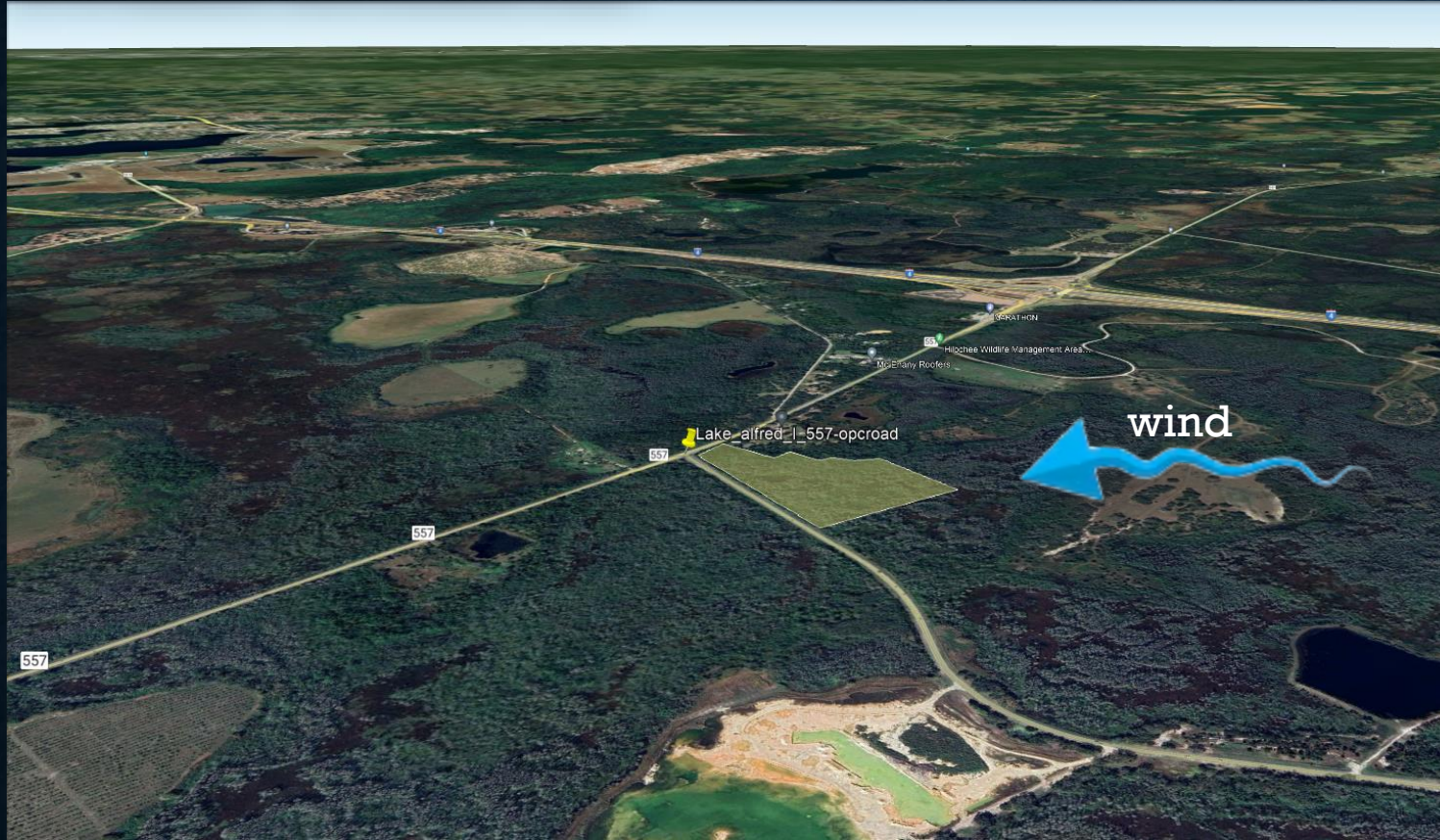
Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Imagery Landsat / Copernicus

MACROENVIRONMENT ANALYSIS



SOLAR ANALYSIS



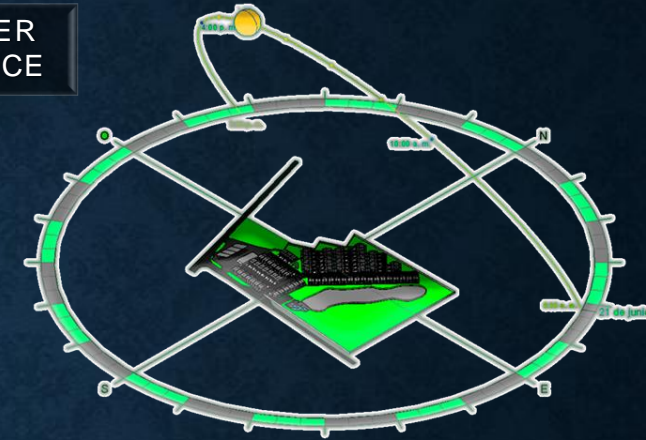
Lake Alfred is located within the Central Florida Highlands area of the Atlantic coastal plain with a terrain consisting of flatland interspersed with gently rolling hills. [10]

According to the United States Census Bureau, the city has a total area of 8.6 square miles (22 km²), of which 4.9 square miles (13 km²) is land and 3.7 square miles (9.6 km²) (42.84%) is water.

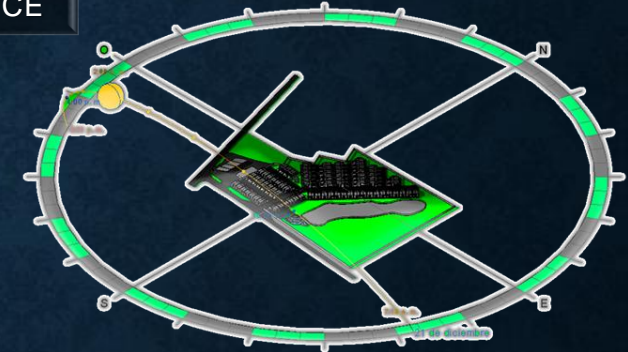
The exact coordinates for the location is at 28°06'15"N 81°43'35"W.

Lake Alfred is located in the humid subtropical zone, as designated by the (Köppen climate classification: Cfa)

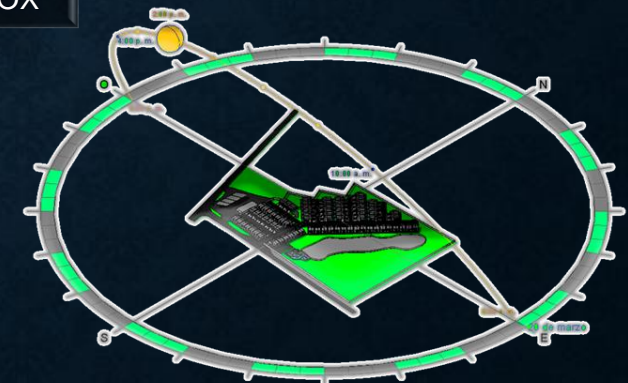
SUMMER
SOLSTICE



WINTER
SOLSTICE



SPRING
EQUINOX



SITE DIAGNOSIS



ARCHITECTURE

The spaces in the buildings where air conditioning is not an essential requirement will have a wind permeable system and architectural sun protection according to orientation and time of the day.

The spaces of the buildings where the air conditioning is essential will have the value of thermo-hygro preferendum reference for efficiency purposes by means of thermal calculation.

VEGETATION

Vegetation is a delicate element because of its characteristic of generating evapotranspiration which in this climate is usually saturated with high humidity. However its use is also essential to generate shade. Care must be taken not to create vegetation barriers against the wind direction. Therefore, the selection of the type and characteristic of the tree vegetation, shrubs and plants requires proper knowledge and design for local flora to provide better comfort.

SUSTAINABILITY

The above are the basic elements to achieve sustainability refer to energy management and energy savings versus solar gain and heat. The other point is the mitigation of any environmental impact affecting human health, through the use of bioclimatic technology and agency-certified design.

July is the hottest month in Kissimmee with an average temperature of 28°C (82°F) and the coldest is January at 16°C (61°F) with the most daily sunshine hours at 11 in June.

In December is less wet than the summer, which means it's a great time to visit if you're not a fan of the rain. Temperatures are very warm and usually remain steady in the low-twenties, which is perfect weather for the beach or a day out in one of the local theme parks.

SITE ANALISYS

Mc Enany Roofers

Old Polk City Rd

Florida Onsite Wastewater Association...

29,09AC

PROPERTY BOUNDARY

PROPERTY BOUNDARY

PROPERTY BOUNDARY

PROPERTY BOUNDARY

Polk City Rd

Old Polk City Rd

557

MASTER PLAN



1,- G/S

2.-URBANITATION

AREAS

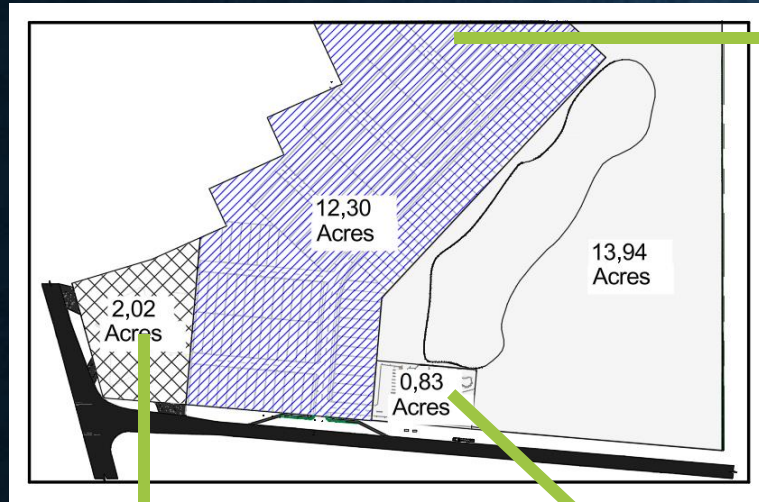


GENERAL AREAS	
DESCRIPTION	AREA
E/S	
PAVEMENT E/S	2,13 acres
URB	
ANDEM	0,53 acres
GREEN AREA	0,27 acres
PAVEMENT URB	1,99 acres
SOCIAL AREA	0,40 acres

PEDESTRIAN & VEHICULAR FLOWS



DEVELOPMENT PHASES



RESIDENTIAL TYPE-1
PHASE



RESIDENTIAL TYPE-2
PHASE

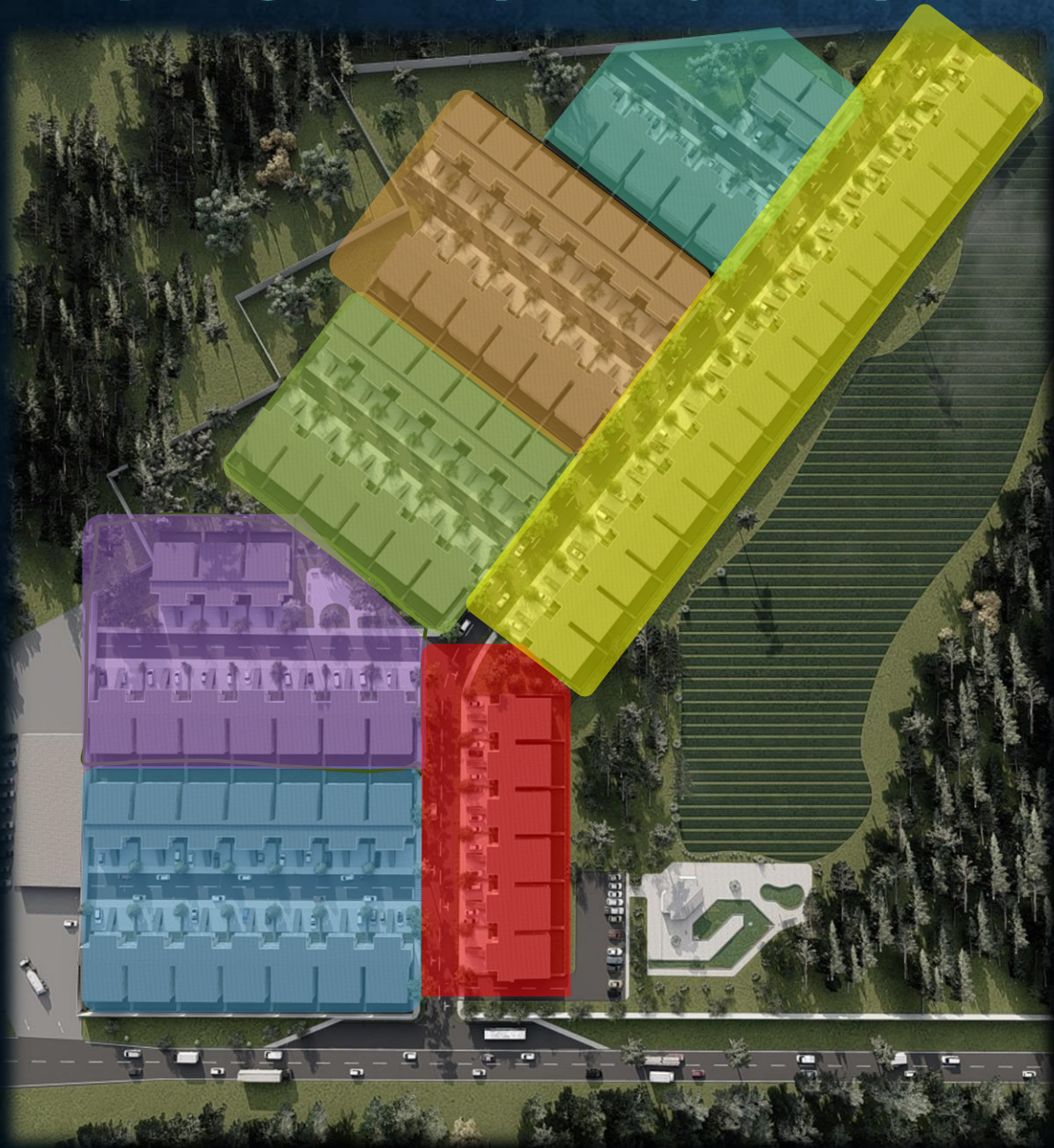



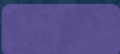
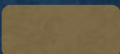
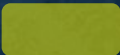
COMERCIAL
PHASE



RECREATIONAL
PHASE

DEVELOPMENT RESIDENTIAL PHASE



	Houses 2 Levels	Houses Duplex
	28	56
	16	32
	20	40
	24	48
	26	52
	14	28
	34	68

COMERCIAL

GAS STATIONS



RESIDENTIAL TYPE-1

148 LOTS OF 2.265,50 SQ.FT. & 148 HOUSES

2 LEVEL HOUSE

FIRST LEVEL:	838 SQ.FT.
SECOND LEVEL:	1.102 SQ.FT.
TOTAL SALES AREA:	1.940 SQ.FT.



RESIDENTIAL TYPE-2

148 2.265,50 SQ.FT. LOTS &
296 DUPLEX HOMES

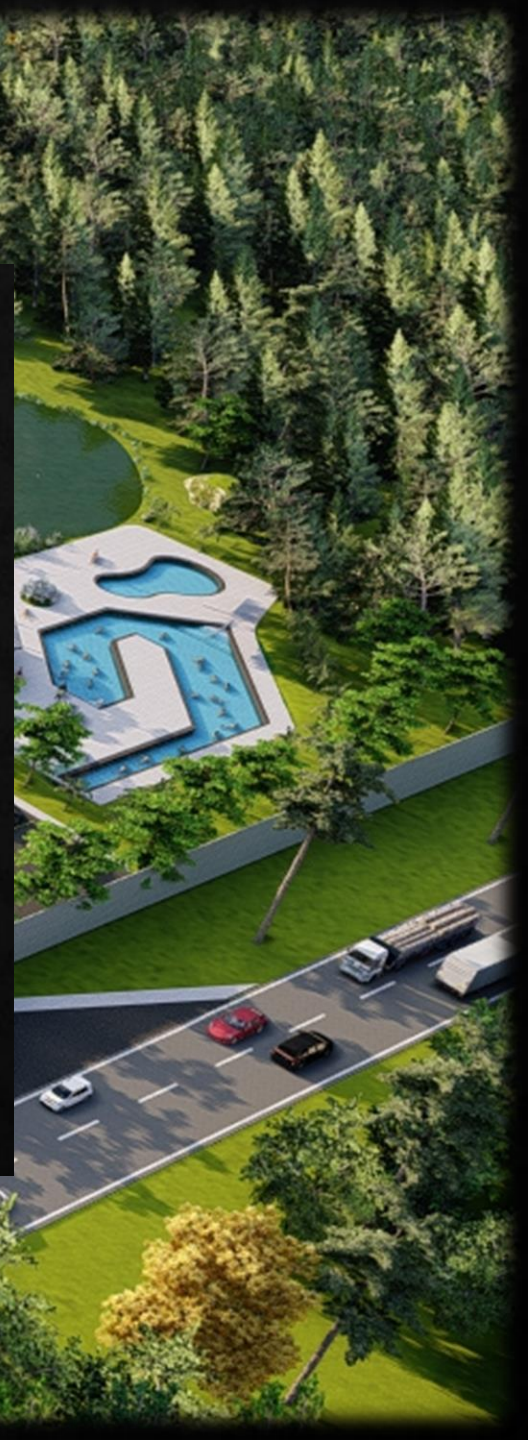
2 HOUSE DUPLEX

HOUSE FIRST LEVEL: 1.104 SQ.FT.

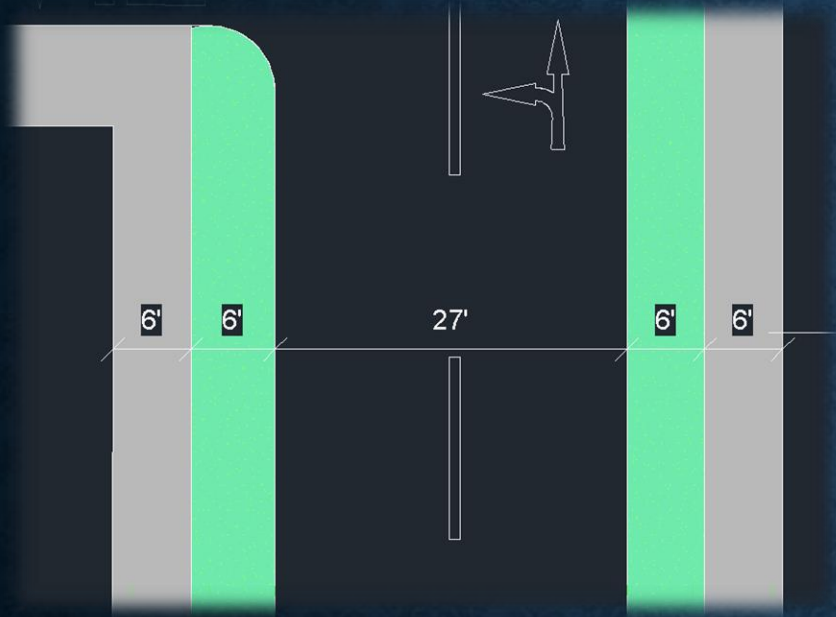
HOUSE SECOND LEVEL : 1.183 SQ.FT.



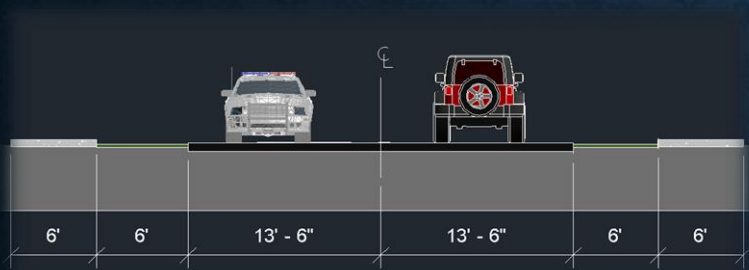
RECREATIONAL



ROAD SECTIONS



PLAN



SECTION



VIEW 3D

ISOMETRIC 01



ISOMETRIC 02

