

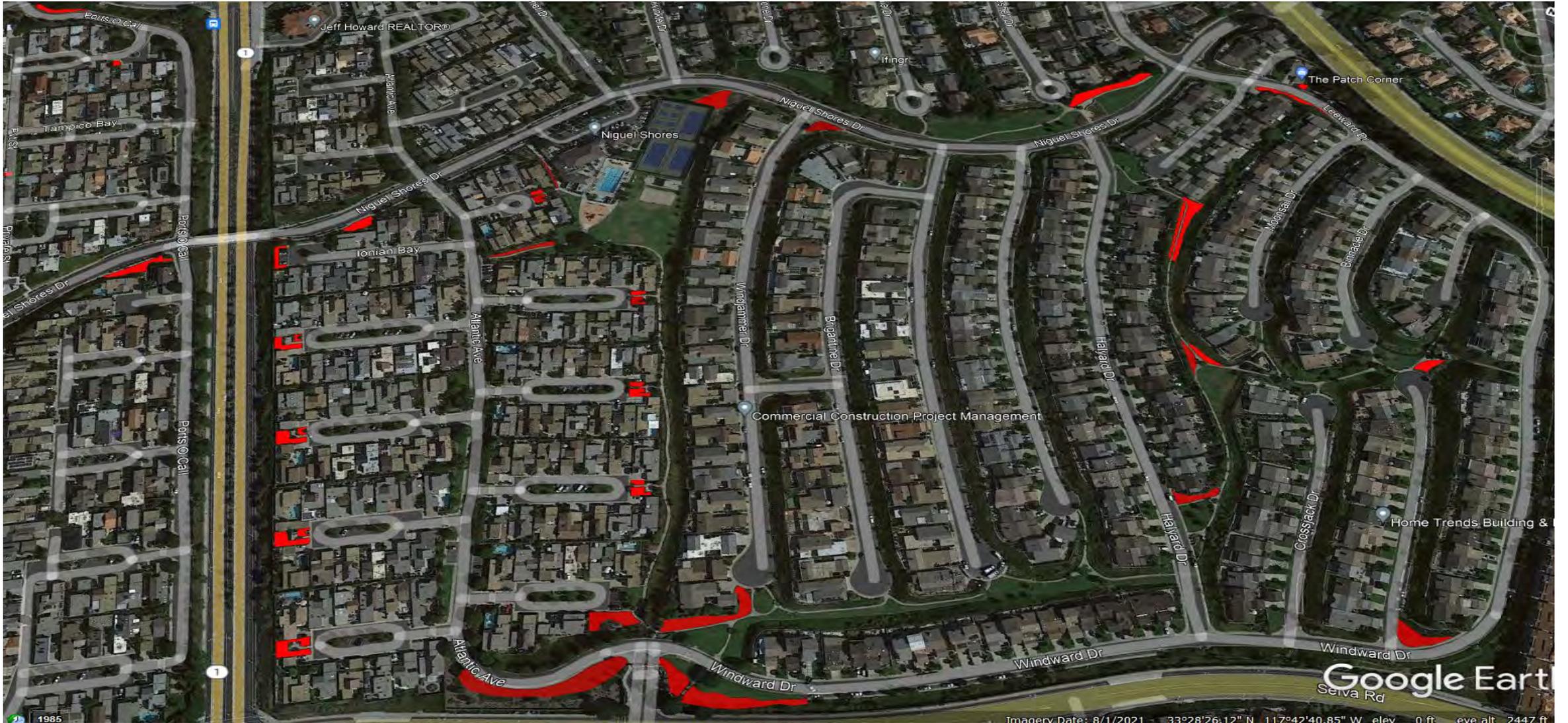
NIGUEL SHORES COMMUNITY TURF REDUCTION PROJECT



Harvest
LANDSCAPE ENTERPRISES INC

Turf Removal Map (Potential Areas)

Total Square Footage: 62,490sqft



Annual water budget plan

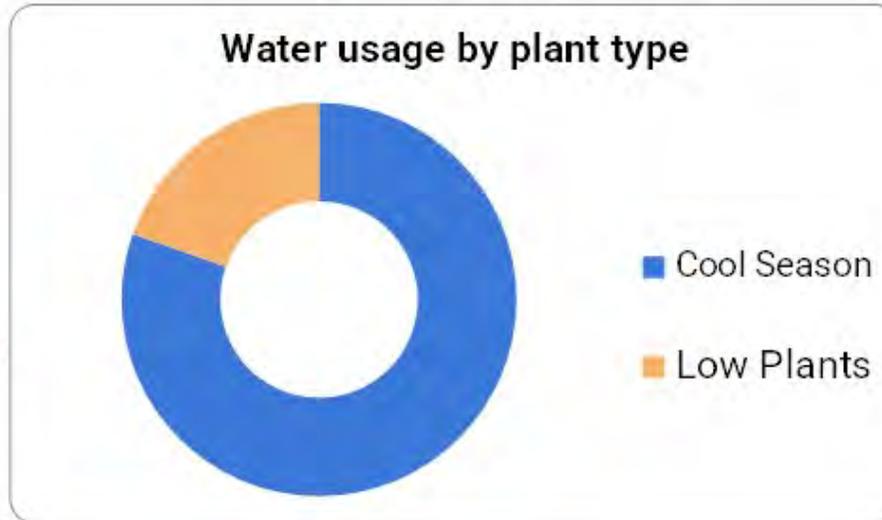
Prepared for Niguel Shores
 Prepared by Ignacio Chavez

Date 5/9/2022

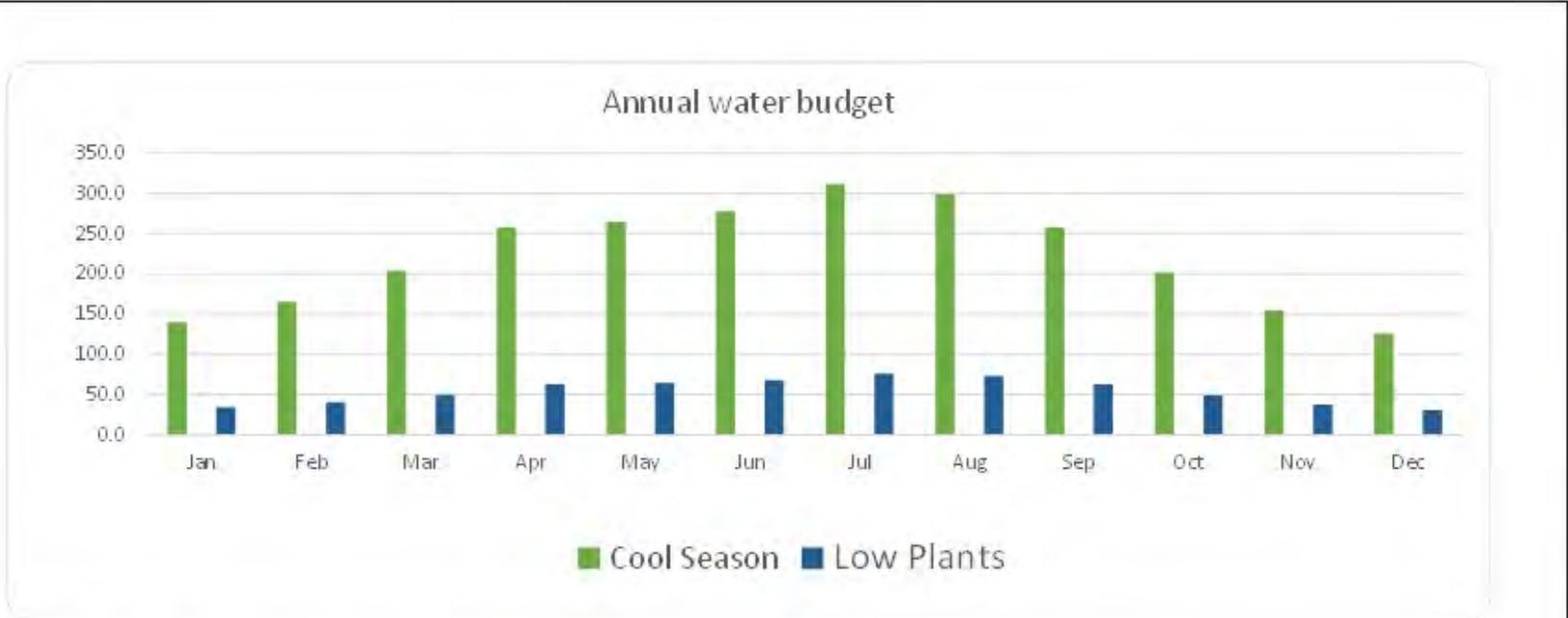
This is your yearly projected water needs, optimized for vegetation health and adjusted for weather conditions and other environmental influences.

20.7 Gallons
 Annual average per sqft.
 3,308 HCF
 Annual water usage

The current Irrigation system is calculated by the measurement of the landscaped area along with a weighted distribution uniformity of the irrigation type. All the information is then combined with the weather data for the past 365 days to come up with the water needs.



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cool Season	140	165	204	258	265	278	311	299	258	201	154	126
Warm Season	0	0	0	0	0	0	0	0	0	0	0	0
Totals Turf	140	165	204	258	265	278	311	299	258	201	154	126
High Plants	0	0	0	0	0	0	0	0	0	0	0	0
Med Plants	0	0	0	0	0	0	0	0	0	0	0	0
Low Plants	34	40	50	63	65	68	76	73	63	49	38	31
Totals Plants	34	40	50	63	65	68	76	73	63	49	38	31
Saving	-106	-125	-154	-195	-200	-210	-236	-226	-195	-152	-117	-95



Potential water savings

A potential water savings can be accomplished for Niguel Shores by ways of maintaining and fixing all irrigation issues or by eliminating high consuming water plants and increasing the irrigation efficiency. Currently Niguel Shores should be averaging \$14,886.74 annually.

Increasing the irrigation uniformity

This can be accomplished by using water saving smart controllers, high efficiency nozzles, low flow drip line or correcting the layout.

Potential savings

\$2,301.44

Replace high water consuming plants

Turf grass is one of the most water-intensive plants in you landscape. It's high water use and frequent maintenance make it a time-consuming and expensive landscape option.

Potential savings

\$7,106.74

Total savings in gallons of water

953,084

Dollars Savings

\$9,408.17

Niguel Shores

Turf Removal Project Map

Legend

 PHASE - 1



Google Earth

600 ft

Area 1
Total Square Footage: 2,914sqft



Area 2
Total Square Footage: 1,577sqft



Area 3
Total Square Footage: 4,297sqft



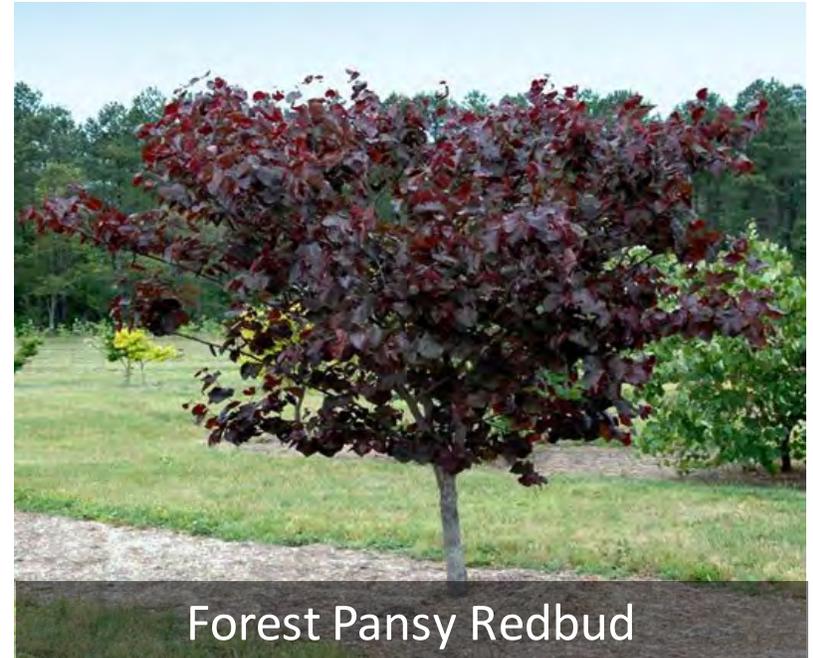
Area 4
Total Square Footage: 1,687sqft



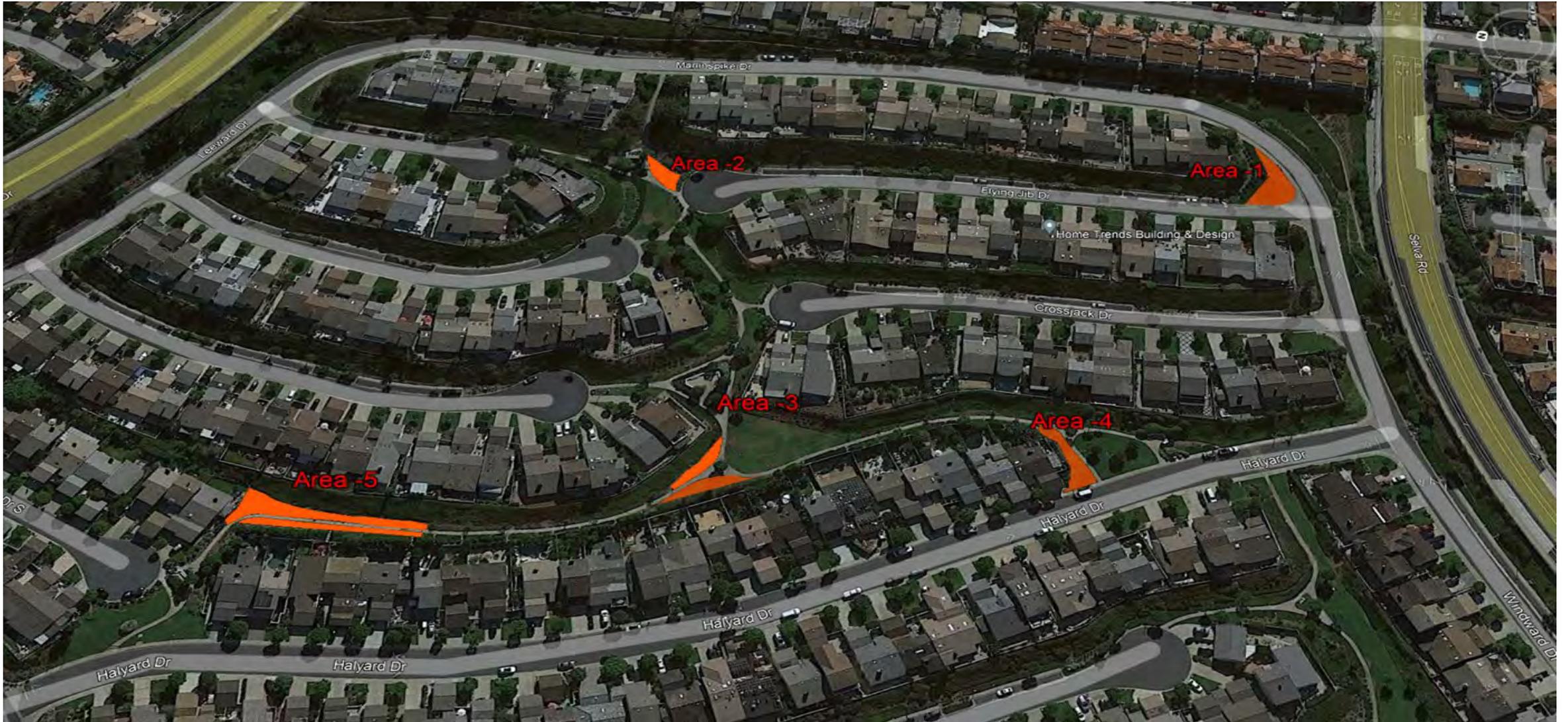
Plant Palette



Plant Palette



Phase 2
Total Square Footage: 11,187sqft



Area 1
Total Square Footage: 2,521sqft



Area 2
Total Square Footage: 1,047sqft



Area 3 (Left Side)
Total Square Footage: 1,503sqft



Area 3 (Right Side)



Area 4
Total Square Footage: 1,936sqft



Area 5
Total Square Footage: 4,180sqft



Plant Palette



Plant Palette



Phase 3
Total Square Footage: 22,356sqft



Area 1
Total Square Footage: 2,420sqft



Area 2
Total Square Footage: 4,367sqft



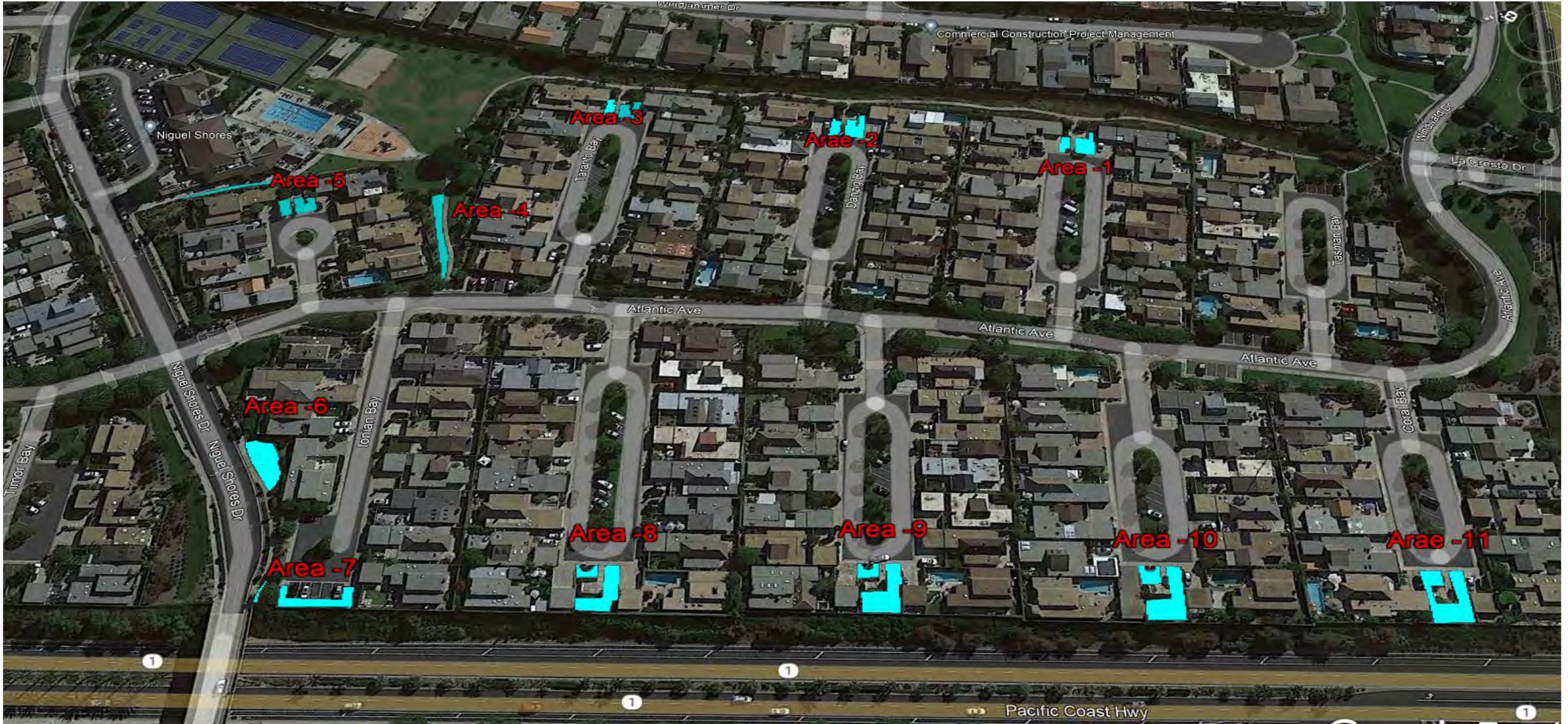
Plant Palette



Plant Palette



Phase 4
Total Square Footage: 13,977sqft



Area 1 (Amunsend)
Total Square Footage: 910sqft



Area 2 (Danzing)
Total Square Footage: 1,036sqft



Area 3 (Taranto)
Total Square Footage: 897sqft



Area 4 (Near Park)
Total Square Footage: 1,185sqft



Area 4 (Near Park)



Area 6
Total Square Footage: 1,376sqft



Area 7 (Ionion)
Total Square Footage: 917sqft





Area 8 (Casandra)
Total Square Footage: 1,270sqft



Area 9 (Bothnia)
Total Square Footage: 1,550sqft



Area 10
Total Square Footage: 1,710sqft



Area 11 (Coral)
Total Square Footage: 1,761sqft



Plant Palette





Coral Aloe



Purple Lantana



Westringia 'Mundi'



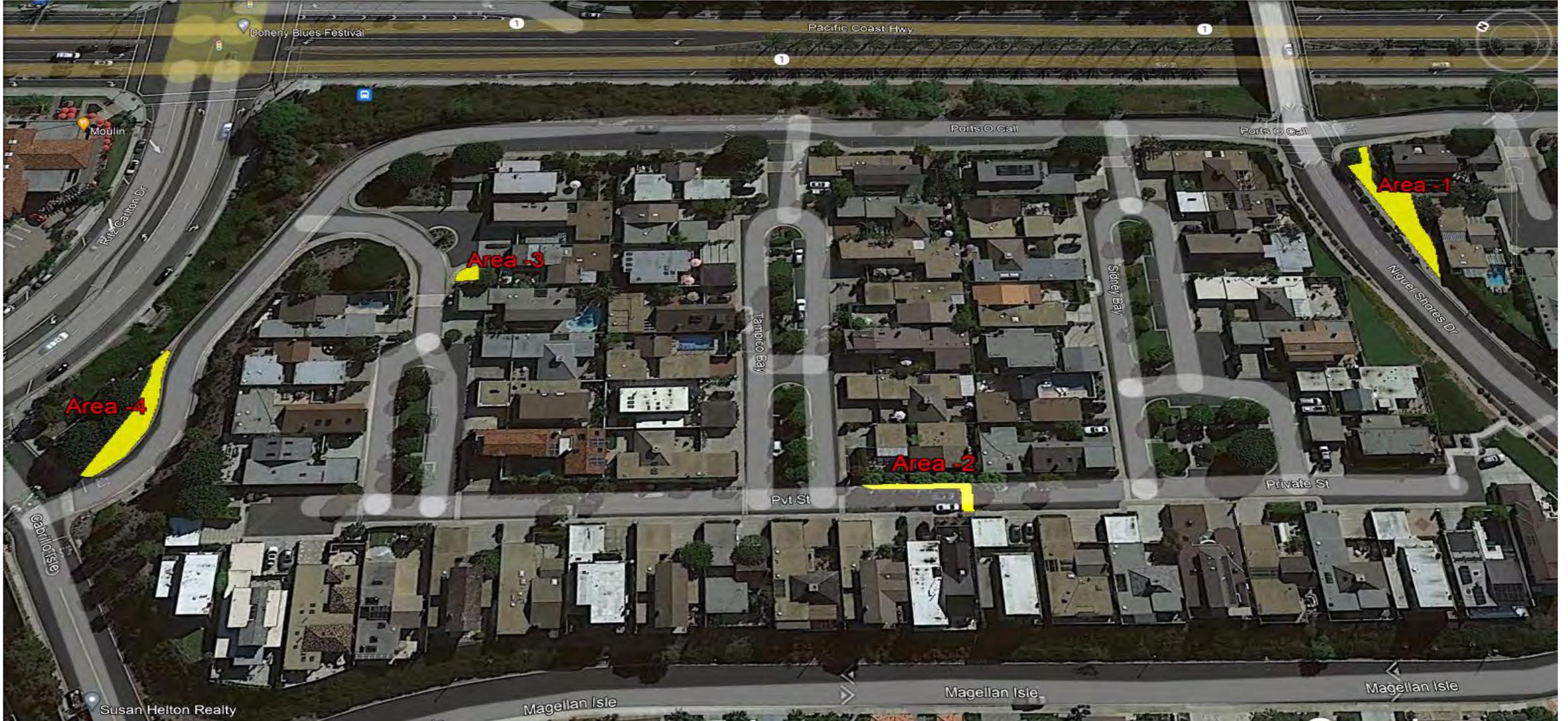
Buddleia davidii



Limonium



Westringia 'Blue Gem'



Area 1
Total Square Footage: 2,083sqft



Area 2
Total Square Footage: 500sqft



Area 3
Total Square Footage: 208sqft



Area 4
Total Square Footage: 1,694sqft



Plant Palette



Plant Palette

