

GENERAL TREE REQUIREMENTS:			
PER SEC. 10-416.(d)(1) OF THE LEE COUNTY LAND DEVELOPMENT CODE, ONE (1) GENERAL TREE MUST BE PROVIDED PER EACH 3,000 S.F. OF DEVELOPMENT AREA.			
TOTAL DEVELOPMENT AREA	= 187,129 S.F. (4.30 AC.)		
(1 TREE/ 3,000 S.F.) X (187,129 S.F.)	= 63 TREES		
REQUIRED:	63 TREES		
PROPOSED:	417 EXISTING TREES		

EXISTING NATIVE VEGETATION COUNTS			
SYMBOL	SIZE/CA	COMMON NAME	BOTANICAL NAME
S		SABAL PALM	SABAL PALMETTO
SG		SEAGRAPE	COCCO UVIERA
RM		RED MANGROVE	RHIZOPHORA MANGLE
BM		BLACK MANGROVE	AVICENNIA GERMINANS
WM		WHITE MANGROVE	LAGUNCULARIA RACEMOSA
P		PAURTOIS	ACCELOBRARIAE WRIGHTII
RP		ROYAL PALM	ROYSTONIA REGIA
GB		GREEN BUTTWOOD	CONOCARPUS ERECTUS
TOTAL			

*ONLY REFLECTS EXISTING TREES TO REMAIN IN BUFFER; DOES NOT REFLECT ADDITIONAL PROPOSED BUFFER TREES. NORTH BUFFER REQUIRES 6 TREE SPECIES. ADDITIONAL PROPOSED TREES FOR NORTH BUFFER 2 AUTOGRAPH TREES. ADDITIONAL PROPOSED TREES FOR EAST "LOT" BUFFER = 3 SILVER BUTTWOOD

GENERAL MITIGATION TREE REQUIREMENTS:			
PER LDC 26-77(b) AND			
TOTAL EXISTING TREES REMOVED	= 5		
WHITE MANGROVE	= 36		
RED MANGROVE	= 7		
BLACK MANGROVE	= 2		
GREEN BUTTWOOD	= 2		
TOTAL :			

GENERAL MITIGATION TREE REQUIREMENTS:			
TOTAL EXISTING TREES REMOVED	= 5		
WHITE MANGROVE	= 36		
RED MANGROVE	= 7		
BLACK MANGROVE	= 2		
GREEN BUTTWOOD	= 2		
TOTAL :			

RIPRAP MANGROVE REQUIREMENTS:			
PER LDC 26-75(d)			
PROPOSED MANGROVES			
173 RED MANGROVES			
42 WHITE MANGROVES			
9 BLACK MANGROVES			

RIPRAP MANGROVE REQUIREMENTS:			
PROPOSED MANGROVES			
173 RED MANGROVES			
42 WHITE MANGROVES			
9 BLACK MANGROVES			

LEGEND

EXISTING NATIVE VEGETATION (DENSE) INCLUDES RED MANGROVE, BLACK MANGROVE, GREEN BUTTWOOD, AND CABBAGE PALM TO REMAIN IN PLACE.

EXISTING EXOTIC VEGETATION (DENSE) INCLUDES FOXGLOVE PALM, CUBAN LAUREL, BERMUDA PALM, COCONUT PALM, ETC. TO BE REMOVED IN PLACE. SITE WAS PREVIOUSLY AN EXOTIC TREE FARM.

XX TREE/PALM/SHRUB TO REMAIN

XX TREE/PALM/SHRUB TO BE RELOCATED

XX TREE/PALM/SHRUB TO BE REMOVED

VEGETATION PROTECTION FENCE

- NOTES**
- ALL NATIVE VEGETATION WITHIN THE REQUIRED BUFFER ZONES TO REMAIN IN PLACE.
 - ALL EXOTIC INVASIVE PER LEE COUNTY CODE TO BE REMOVED BY HAND.
 - ALL NON NATIVE VEGETATION TO BE REMOVED FROM BUFFER ZONES.
 - VARIABLE CABBAGE PALMS AND FLORIDA ROYAL PALMS WITHIN THE "EXISTING EXOTIC VEGETATION" ZONE WILL BE RELOCATED THROUGHOUT THE SITE.
 - AVERAGE DBH OF EXISTING > 4" DBH
 - PER LDC 26-75(d) AND LDC 26-77:
 - BP RAP MANGROVE PLANTINGS: CONTAINER GROWN 3" O.C., MIN. AGE 1 YR
 - REMOVALS REPLACED 3:1
 - MUST INSURE 80% SURVIVAL RATE OVER 5 YR PERIOD

PLANT SCHEDULE			
SYMBOL	SIZE/CA	COMMON NAME	BOTANICAL NAME
44	8" HT x 1" DB	AVICENNIA GERMINANS / BLACK MANGROVE	AVICENNIA GERMINANS
45	40 GAL	CULM ROSEA / APOCYNACEAE TREE	CULM ROSEA
46	15 GAL	CONOCARPUS BRECHES / BUTTWOOD	CONOCARPUS BRECHES
47	15 GAL	CONOCARPUS BRECHES / SILVER BUTTWOOD	CONOCARPUS BRECHES
48	8" HT x 1" DB	LAGUNCULARIA RACEMOSA / WHITE MANGROVE	LAGUNCULARIA RACEMOSA
49	8" HT x 1" DB	RHIZOPHORA MANGLE / RED MANGROVE	RHIZOPHORA MANGLE
50	RELOCATED	ROSTKIA ELATA / FLORIDA ROYAL PALM	ROSTKIA ELATA
51	RELOCATED	SARPA PANDURATA / CABBAGE PALM	SARPA PANDURATA
52	3 GAL	CHAPARRAL CACTUS / YORDBONE	CHAPARRAL CACTUS
53	3 GAL	CONOCARPUS BRECHES / BUTTWOOD	CONOCARPUS BRECHES
54	3 GAL	CONOCARPUS BRECHES / SILVER BUTTWOOD	CONOCARPUS BRECHES
55	3 GAL	BURSERA FORTES / SPANISH GUM	BURSERA FORTES
56	3 GAL	LYCEN CAROLINIANA / CORNUS BERRY	LYCEN CAROLINIANA
57	3 GAL	SURINA MANGROVE / DAY CEDAR	SURINA MANGROVE

BUFFERING:

EAST BUFFER:
PER SECTION 10-416.(d)(6) OF THE LEE COUNTY LAND DEVELOPMENT CODE A 30' TYPE "F" BUFFER IS REQUIRED BETWEEN THE PROPOSED SOPHIA COVE DRIVE AND THE ADJACENT RESIDENTIAL USE WHERE NO RESIDENCES WILL BE BUILT (E.G. COMMON ELEMENT) AND 5 TREES AND 18 SHRUBS PER 100 L.F. IS REQUIRED ALONG LOT 2

EAST "F" BUFFER:

1- MINIMUM WIDTH: 30 FEET
2- MINIMUM NUMBER OF TREES: 10 TREES/100 L.F.
3- MINIMUM NUMBER OF SHRUBS: HEDGE*

*DOUBLE STAGGERED ROWS, MAINTAINED @ 40" HEIGHT, MINIMUM THREE-GALLON CONTAINER SIZE AND BE SPACED 18 TO 36 INCHES ON CENTER

70 L.F. OF ROADWAY ABUTS RESIDENTIAL USES (UP TO P.U.E. OF DRIVE CROSSING)

TREES:
(10 TREE/100 L.F.) X (70 L.F.) = 7 TREES
REQUIRED: 7 TREES
PROPOSED: 7 TREES

SHRUBS:
DOUBLE STAGGERED HEDGE, 3" O.C.:
(11 SHRUB/3 L.F.) X (70 L.F.) X 2 ROWS = 47 SHRUBS
REQUIRED: 47 SHRUBS
PROPOSED: 47 SHRUBS

EAST LOT BUFFER:

1- MINIMUM WIDTH: N/A
2- MINIMUM NUMBER OF TREES: 5 TREES/100 L.F.
3- MINIMUM NUMBER OF SHRUBS: 18 SHRUBS

82 L.F. OF PROPERTY LINE TO BE BUFFERED

(5 TREE/100 L.F.) X (82 L.F.) = 5 TREES
REQUIRED: 5 TREES
PROPOSED: 5 TREES

SHRUBS:
(18 SHRUB/100 L.F.) X (82 L.F.) = 15 SHRUBS
REQUIRED: 15 SHRUBS
PROPOSED: 15 SHRUBS

WEST BUFFER:
PER SECTION 10-416.(d)(6) OF THE LEE COUNTY LAND DEVELOPMENT CODE 5 TREES AND 18 SHRUBS PER 100 L.F. IS REQUIRED BETWEEN THE PROPOSED JENNY LAKE CIRCLE AND THE ADJACENT EXISTING RESIDENTIAL USE

1- MINIMUM WIDTH: N/A
2- MINIMUM NUMBER OF TREES: 5 TREES/100 L.F.
3- MINIMUM NUMBER OF SHRUBS: 18 SHRUBS

225 L.F. OF PROPERTY LINE TO BE BUFFERED

(5 TREE/100 L.F.) X (225 L.F.) = 12 TREES
REQUIRED: 12 TREES
PROPOSED: 12 TREES

SHRUBS:
(18 SHRUB/100 L.F.) X (225 L.F.) = 41 SHRUBS
REQUIRED: 41 SHRUBS
PROPOSED: 41 SHRUBS

NORTH BUFFER:

PER SECTION 10-416.(d)(9): A 50' UPLAND BUFFER IS REQUIRED IN A COMMON ELEMENT BETWEEN THE LOTS AND THE CALOOSAHATCHEE RIVER.

EXISTING NATIVE VEGETATION WITHIN THE BUFFER AREA MUST BE RETAINED. THE NATURAL WATERWAY BUFFER MUST INCLUDE, AT MINIMUM, SIX NATIVE CANOPY TREES AND 50 NATIVE SHRUBS PER 100 L.F.

1- MINIMUM WIDTH: 50 FEET
2- MINIMUM NUMBER OF TREES: 6 TREES/100 L.F.
3- MINIMUM NUMBER OF SHRUBS: 50 SHRUBS/100 L.F.

195 L.F. ABUTS NATURAL WATERWAY

TREES:
(6 TREE/100 L.F.) X (195 L.F.) = 12 TREES
REQUIRED: 12 TREES
PROPOSED: 12 TREES

SHRUBS:
(50 SHRUB/100 L.F.) X (195 L.F.) = 98 SHRUBS
REQUIRED: 98 SHRUBS
PROPOSED: 98 SHRUBS

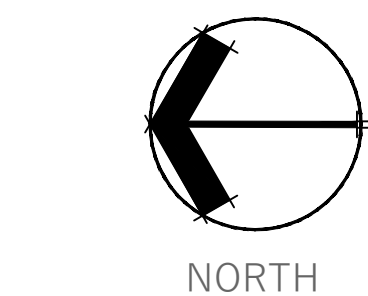
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15500 COOK RD, FORT MYERS, FLORIDA
TREE REQUIREMENT & BUFFER PLAN

- DRAWINGS SCHEDULE**
- L1 TREE REQUIREMENTS & BUFFER PLAN
L2 IRRIGATION PLAN
L3 LANDSCAPE DETAILS & SPECIFICATIONS

SIGN & SEAL DATE:



DESIGNED BY: FELIX TORRESNIEVES, RSW

DATE: 06/27/25

SCALE: 1"=30'-0"

REVISIONS			
REV 1.	12-31-2025		
REV 2.	XX-XX-XX		
REV 3.	XX-XX-XX		
REV 4.	XX-XX-XX		
REV 5.	XX-XX-XX		
REV 6.	XX-XX-XX		
REV 7.	XX-XX-XX		
REV 8.	XX-XX-XX		