

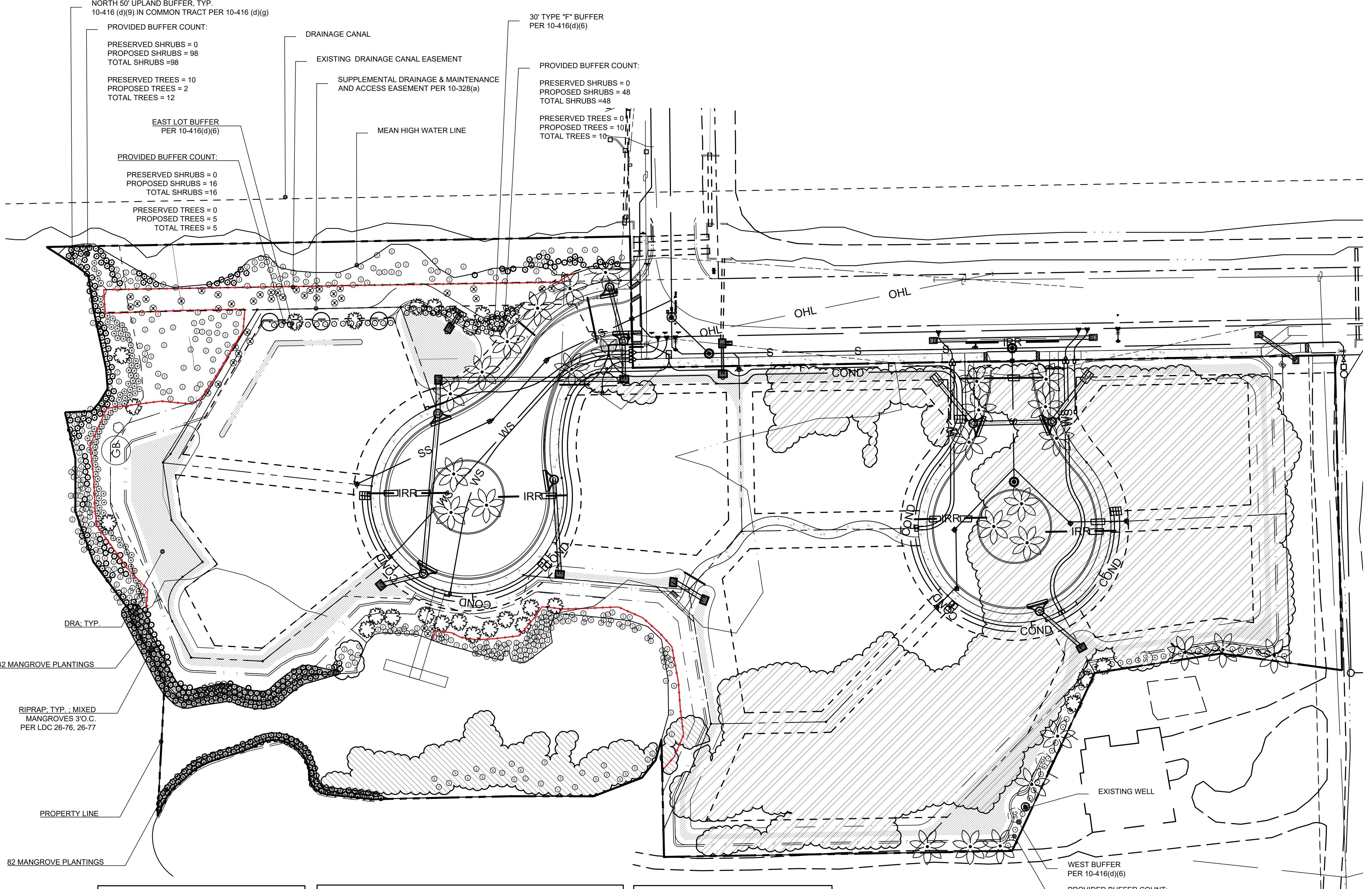
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LANDSCAPING + DESIGN

RS WALSH
LANDSCAPING, INC.
8050 PENZANCE BLVD, FORT MYERS
FLORIDA 33912
TEL: 239-768-5655
WWW.RSWALSH.COM

PALM COVE SUBDIVISION

15500 COOK RD, FORT MYERS, FLORIDA

TREE REQUIREMENT & BUFFER PLAN

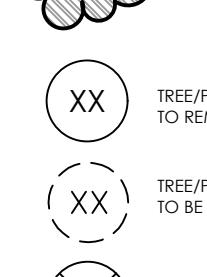


EXISTING NATIVE VEGETATION (DENSE) INCLUDES RED MANGROVE, BLACK MANGROVE, GREEN BUTTONWOOD, AND CABBAGE PALM TO REMAIN IN PLACE.

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

1. ALL NATIVE VEGETATION WITHIN THE REQUIRED BUFFER ZONES TO REMAIN IN PLACE.
2. ALL EXOTIC INVASIVE PER LEE COUNTY CODE TO BE REMOVED BY HAND.
3. ALL NON-NATIVE VEGETATION TO BE REMOVED FROM BUFFER ZONES.
4. Viable Cabbage Palms and Florida Royal Palms within the existing exotic buffer zones will be relocated throughout the site.
5. Average DBH of 30% of trees > 4" DBH
6. PER LDC 26-71(D) AND LDC 26-77

- 6.1. RIP RAP MANGROVE PLANTINGS
 - 6.1.1. CONTAINER GROWN 3' O.C. MIN. H 8', MIN. AGE 1 YR
 - 6.1.2. PLANT 12" SPACES & DIVIDE 12"
 - 6.1.3. MUST INSURE 90% SURVIVAL RATE OVER 5 YR PERIOD



TREE/PALM/SHRUB TO REMAIN
TREE/PALM/SHRUB TO BE RELOCATED
TREE/PALM/SHRUB TO BE REMOVED



VEGETATION PROTECTION FENCE

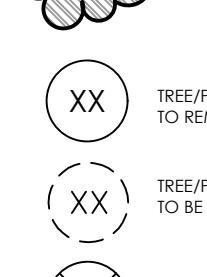


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VEGETATION PROTECTION FENCE

BUFFERING:
EAST 'F' BUFFER:
PER SECTION 10-416.6.(b)(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 LF. IS REQUIRED ALONG LOT 2

EAST 1" BUFFER:

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

*DOUBLE STAGGERED ROWS, MAINTAINED @ 60" HEIGHT, MINIMUM THREE-GALLON CONTAINER SIZE AND BE SPACED 18 TO 36 INCHES ON CENTER

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

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

SHRUBS:
DOUBLED STAGGERED HEDGE , 3' O.C.:
(11 SHRUB/100 LF.) X (70 LF.) 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 LF.
3. MINIMUM NUMBER OF SHRUBS: 18 SHRUBS

82 LF. OF PROPERTY LINE TO BE BUFFERED
(5 TREE/100 LF.) X (82 LF.) = 5 TREES
REQUIRED: 5 TREES
PROPOSED: 5 TREES

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

WEST BUFFER:

PER SECTION 10-416.6.(b)(6) OF THE LEE COUNTY LAND DEVELOPMENT CODE 5 TREES AND 18 SHRUBS PER 100 LF. IS REQUIRED ALONG THE PROPOSED JENNY LAKE CIRCLE AND THE ADJACENT EXISTING RESIDENTIAL USE

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

225 LF. OF PROPERTY LINE TO BE BUFFERED
(13 TREE/100 LF.) X (225 LF.) = 12 TREES
REQUIRED: 12 TREES
PROPOSED: 12 TREES

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

NORTH BUFFER:

PER SECTION 10-416.6.(b)(1), 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 LF.

1. MINIMUM WIDTH: 50 FEET
2. MINIMUM NUMBER OF TREES: 4 TREES/100 LF.
3. MINIMUM NUMBER OF SHRUBS: 50 SHRUBS/100 LF.

195 LF. ABUTS NATURAL WATERWAY

TREES:
(4 TREE/100 LF.) X (195 LF.) = 12 TREES
REQUIRED: 12 TREES
PROPOSED: 12 TREES

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

PLANT SCHEDULE

NAME	COMMON NAME	SIZE	AMOUNT
44	AVICINNA GERMINANS / BLACK MANGROVE	8' H x 1' W QD	CONTAINER GROWN
2	CUSIA ROSEA / AUTOPHISH TREE	45 GAL	1' CAL 54 HT
4	CONOCARPUS ERICUS / BUTTERWOOD	15 GAL	2' CAL
3	CONOCARPUS ERICUS BRANCHES / SVR BUTTERWOOD	15 GAL	4' CAL HT
48	LACHNOCLADIA ELEGANS / WHITE MANGROVE	8' H x 1' W QD	CONTAINER GROWN
29	RHIZOPHORA MANGROVE / RED MANGROVE	8' H x 1' W QD	CONTAINER GROWN
28	ROTHSCHILDIA ELEGANS / FLORIDA CROWN PALM	RELOCATED	
25	SAMAI PAINTERO / CABBAGE PALM	RELOCATED	
26	ROTHSCHILDIA ELEGANS / CROWN PALM	RELOCATED	
31	CHIROPOMA CACAO / HORDEOLA / HORDEOLA-COCOUM	3 GAL	3' H.C.
16	CONOCARPUS ERICUS F. SERICEUS / SILVER BUTTERWOOD	3 GAL	3' H.C.
30	EUGENIA FERDII / SPANISH DOPPER	3 GAL	3' H.C.
32	LITCHI CHINENSIS / CHINESE LITCHI	3 GAL	3' H.C.
33	SURIANA MARITIMA / BAY CEDAR	3 GAL	3' H.C.

DRAWINGS SCHEDULE

L1 TREE REQUIREMENTS & BUFFER PLAN

L2 IRRIGATION PLAN

L3 LANDSCAPE DETAILS & SPECIFICATIONS

DESIGNED BY: FELIX TORRESNIEVES, RSW

DATE: 06/27/25

SCALE: 1"=30'-0"

REVISIONS

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

L.1