

MITIGATION REQUIRED	
TREES	
Required Tree Mitigation (DBH Inches):	316.8 DBH Inches
Required Tree Mitigation (1:1 Replacement):	159 Trees
Trees Preserved:	5 Trees
Trees Relocated:	1 Tree
PALMS	
Required Palm Mitigation (Overall Feet):	2079 Feet (97 Palms)
Required Palm Mitigation (1:1 Replacement):	9 Palms
Palms Preserved:	0 Palms
Palms Relocated:	0 Palms

MITIGATION PROVIDED	
TREES RATING 50% OR GREATER	
Required Tree Mitigation:	316.8 Cal.
Provided Tree Mitigation:	324 CAL (See table below)

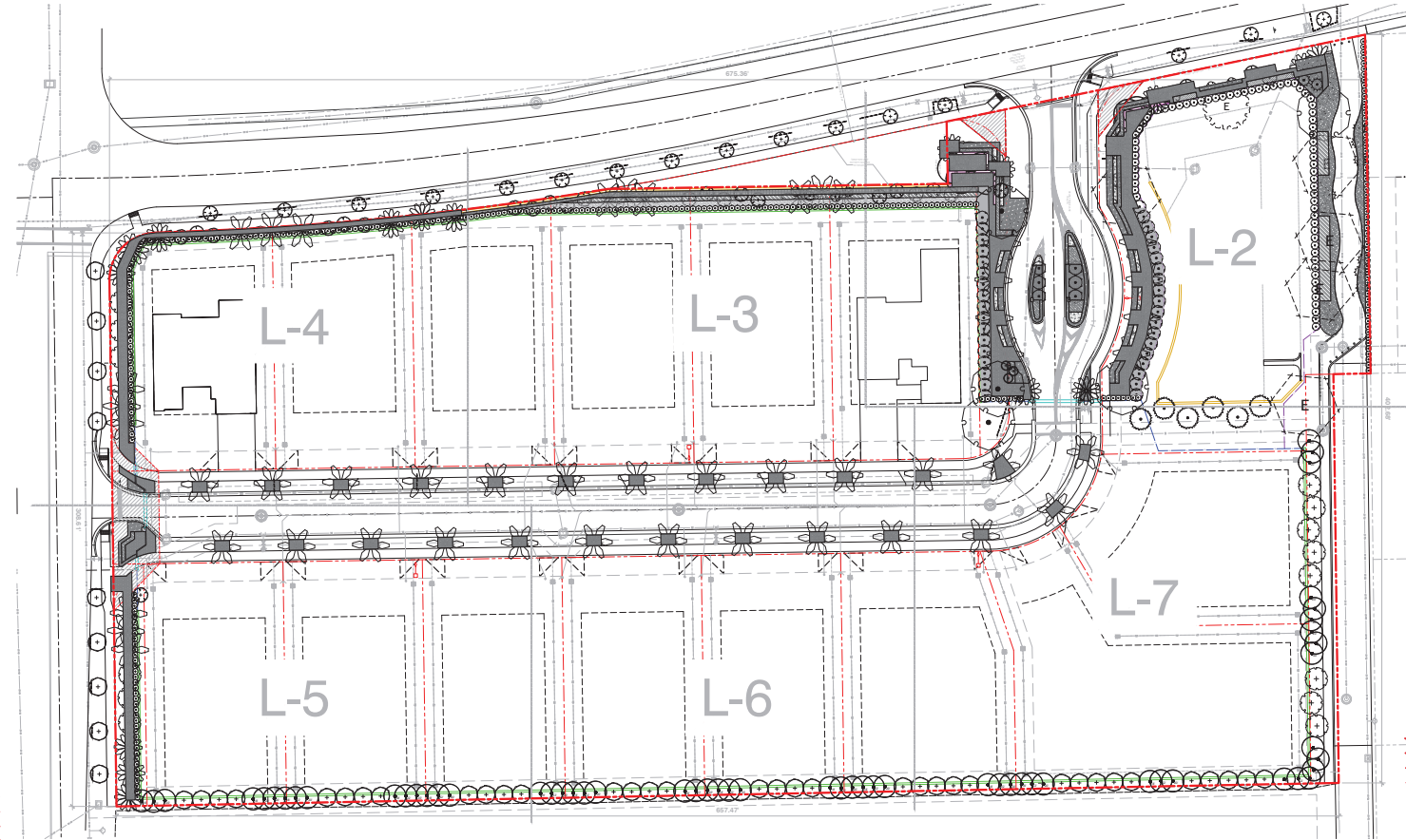
PALMS RATING 50% OR GREATER	
Required Palm Mitigation:	2079 Ft.
Provided Palm Mitigation:	2246 Ft. (See table below)

Replacement Trees				Replacement Palms			
	Quantity	Caliper (CAL)	Calipers Provided (inch)		Quantity	Overall Height	Height Provided (feet)
Gumbo Limbo (Common Area)	14	4	56	Silver Bismark Palm (8' CT) (Common Area)	17	16	272
Brazilian Beautyleaf (Common Area)	36	3	108	Silver Bismark Palm (12' CT) (Common Area)	1	20	20
Southern Live Oak (Common Area)	5	16	80	Wild Date Palm (10' CT) (Common Area)	30	20	600
Bald Cypress (Common Area)	6	4	24	Wild Date Palm (12' CT) (Common Area)	18	23	396
Southern Live Oak (Residential Lots)	14	4	56	Cabbage Palm (18' CT) (Common Area)	15	24	360
				Cabbage Palm (20' CT) (Common Area)	23	26	598
Total =			324 CAL	Total =			2246 Ft.

TREES RATING LESS THAN 50%	
Required Tree Mitigation (1:1):	159
Provided Tree Mitigation (1:1):	159 (See table below)

PALMS RATING LESS THAN 50%	
Required Palm Mitigation (1:1):	9
Provided Palm Mitigation (1:1):	19 (See table below)

Replacement Trees				Replacement Palms			
	Quantity				Quantity		
Green Buttonwood (Common Area)	24						
Silver Buttonwood (Common Area)	24			Cabbage Palm (22' CT) (Common Area)	19		
Japanese Blueberry (Common Area)	6			Total =			19
Brazilian Beautyleaf (Residential Lots)	6						
Total =			158				



1. SUBMITTED	07/14/21
2. REVISED	08/01/21
3. SUBMISSION	11/10/21
4. REVISED	12/02/21
5. REVISED	12/03/21
6. SUBMISSION	01/14/22
7. REVISED	02/04/22
8. SUBMISSION	04/13/22
9. REVISED	04/27/22
10. SUBMISSION	05/26/22
11. REVISED	
12. REVISED	
13. REVISED	

Delray Ridge
Delray Beach, FL



Discussed by:



Stephanie Portus FLS, Reg. LA 6667215

project number

20-102

sheet name

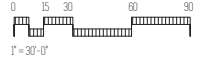
LANDSCAPE

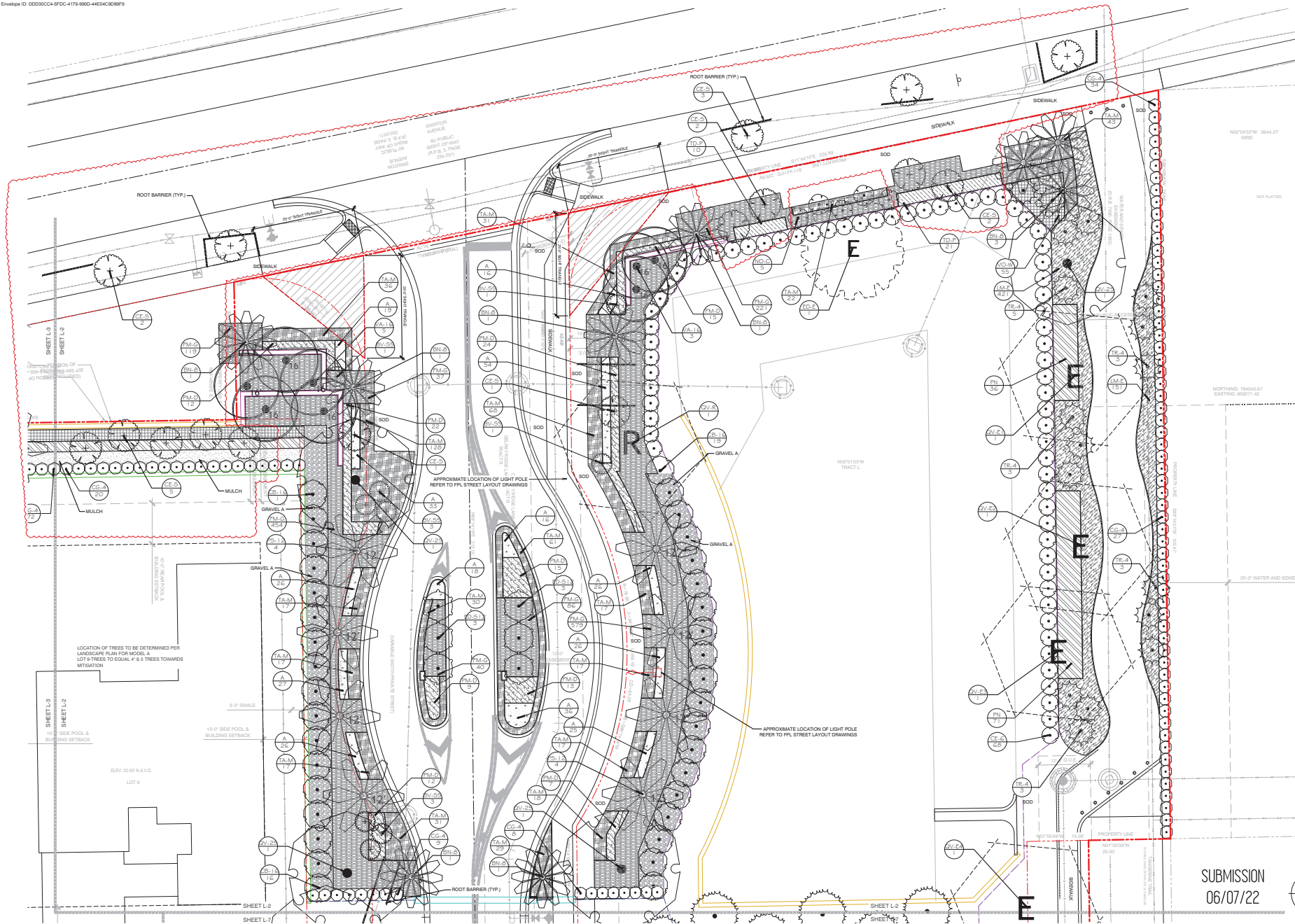
COVER SHEET

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L-1

SUBMISSION
06/07/22





1. SUBMISSION	07/14/21
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4. REVISED	11/11/21
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8. SUBMISSION	01/14/22
9. REVISED	02/04/22
10. SUBMISSION	04/13/22
11. REVISED	04/27/22

Delray Ridge
Delray Beach, FL



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Stephanie Portus FL Reg. LA 6667215

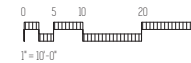
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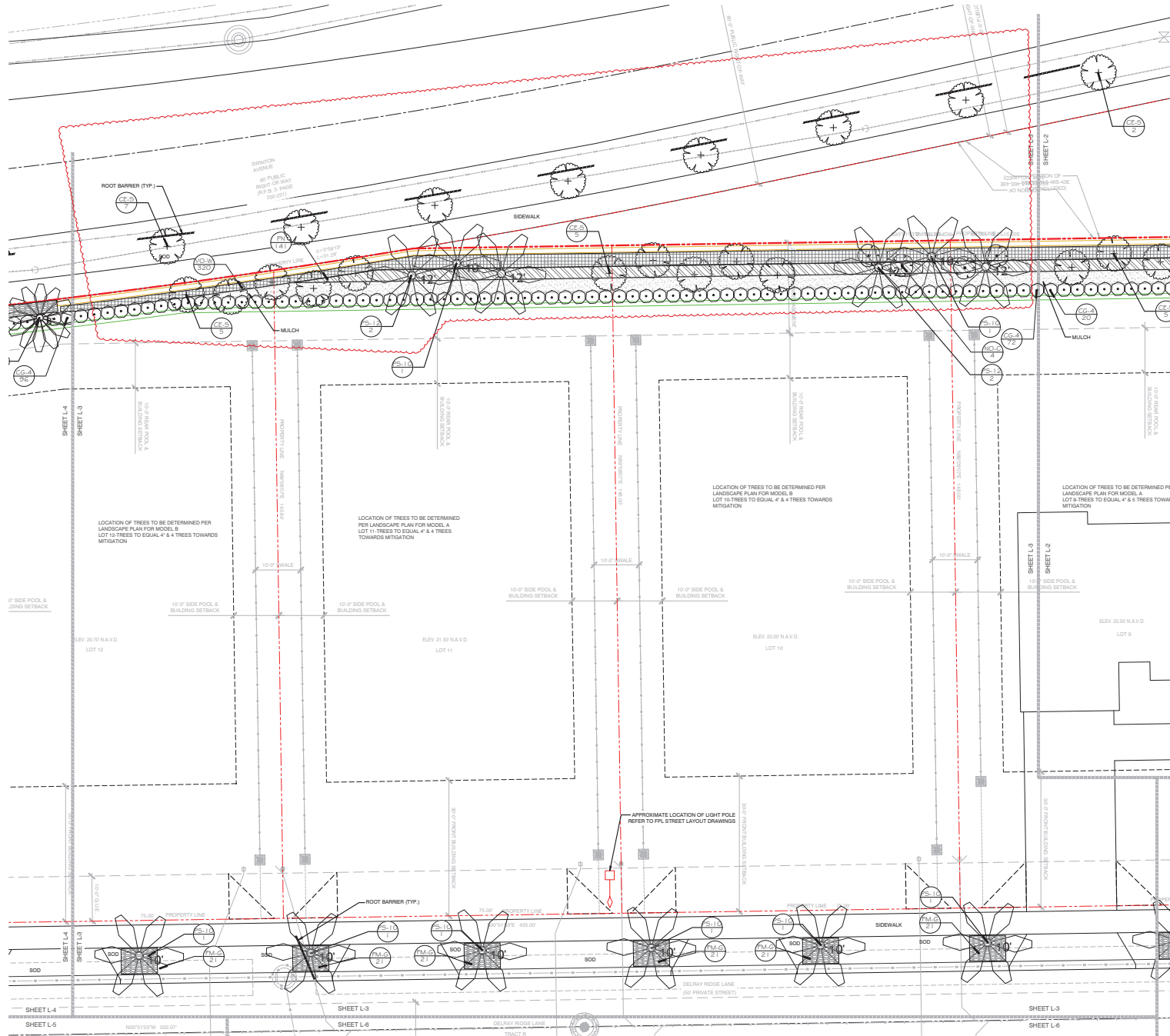
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L-2

SUBMISSION
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3.	REVISED	10/13/21
4.	REVISED	11/02/21
5.	REVISED	12/02/21
6.	REVISED	12/13/21
7.	REVISED	01/14/22
8.	SUBMISSION	01/14/22
9.	REVISED	02/04/22
10.	REVISED	02/04/22
11.	REVISED	04/13/22
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Delray Beach, FL



Discussed by:



soil
Stephanie Portus, FL Reg. LA 6667215

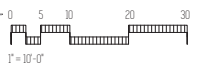
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L-3

SUBMISSION
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**LANDSCAPE
ARCHITECTURE**
PLA DESIGN STUDIO, PLLC
2385 NW Executive Center Dr., Ste. 240
Boca Raton, FL 33431
561-318-5256
studio@pladesigstudio.com

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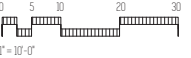


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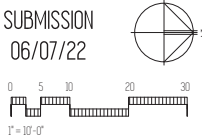
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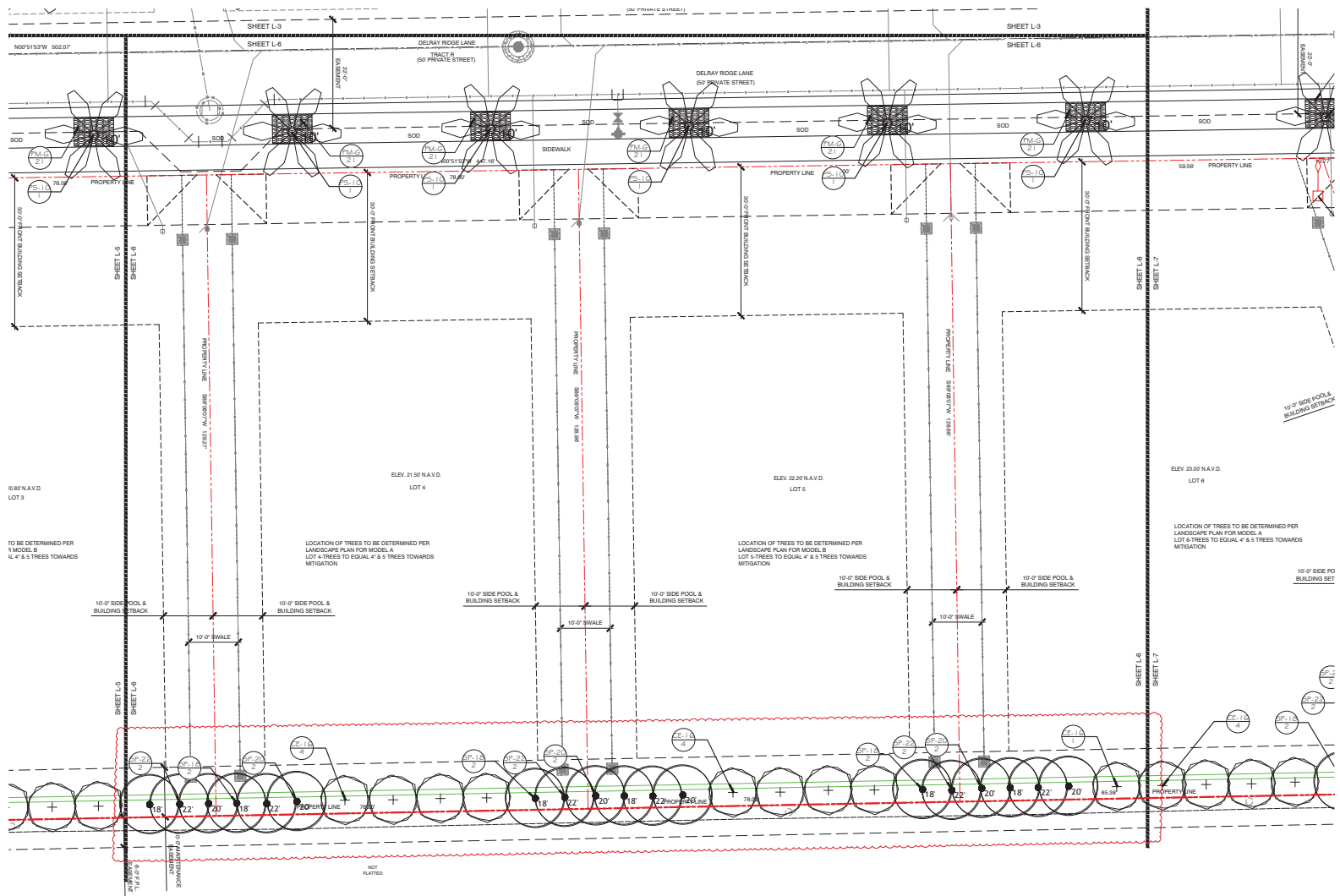
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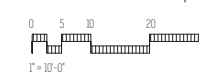
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L-6

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PLA DESIGN STUDIO, PLLC
2385 NW Executive Center Dr., Ste. 240

Florida, FL 33431
studios@platesignstudio.com
561-318-5296

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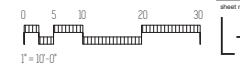
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06/07/22



PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	CAL	HT	SPD	NATIVE	QTY	REMARKS
BS-16	Bursaria sinensis / Gumbo Limbo	100G	4" CAL	10 HT	7' SPD	NATIVE	14	FULL DENSE, SYMMETRICAL CANOPY WITH CHARACTER, 8" C.T. MIN./8" STRAIGHT TRUNK MIN SUBMIT PHOTO TO LA FOR APPROVAL.
CS-16	Colophyllum brasiliense / Brazilian Beautyleaf	B&B	3" CAL	16 HT	7'-8' SPD	NON-NATIVE	36	FLORIDA FANCY, SINGLE LEADER, FULL DENSE, SYMMETRICAL CANOPY, 8" C.T. MIN./8" STRAIGHT TRUNK MIN. MATCHING SUBMIT PHOTO TO LA FOR APPROVAL.
CE-16	Conocarpus erectus / Green Buttonwood	100G	3" CAL	16 HT	7' SPD	NATIVE	44	Grade #1, SINGLE LEADER, FULL DENSE CANOPY, NO VOIDS, STRAIGHT, UNSCARPED TRUNK, 8" C.T. MIN./8" STRAIGHT TRUNK MIN. MATCHING.
CE-S	Conocarpus erectus 'Sericeus' / Silver Buttonwood	45G/28"	3" CAL	16 HT	7'-8' SPD	NATIVE	44	SINGLE TRUNK, DENSE, SYMMETRICAL CANOPY, 8" C.T. MIN./8" STRAIGHT TRUNK MIN. EXISTING.
ED-E	Eucalyptus deglupta / Eucalyptus Tree	N/A	22" CAL	40 HT		NON-NATIVE	1	EXISTING.
QV-25	Quercus virginiana / Southern Live Oak	FIELD GROWN	16" CAL	25 HT	20'-25' SPD	NATIVE	5	25' CA, SINGLE, RANCH, 10' C.T. MIN./8" STRAIGHT TRUNK MIN. EXISTING.
QV-E4	Quercus virginiana / Southern Live Oak	N/A	15.25" CAL	35 HT		NATIVE	1	EXISTING.
QV-E2	Quercus virginiana / Southern Live Oak	N/A	16.5" CAL	35 HT		NATIVE	1	EXISTING.
QV-R	Quercus virginiana / Southern Live Oak	N/A	21" CAL	25 HT		NATIVE	1	RELOCATE.
QV-E3	Quercus virginiana / Southern Live Oak	N/A	23" CAL	35 HT		NATIVE	1	EXISTING.
QV-E1	Quercus virginiana / Southern Live Oak	N/A	23" CAL	35 HT		NATIVE	1	EXISTING.
TX-16	Taxodium distichum / Bald Cypress	FIELD GROWN	4" CAL	16 HT	7' SPD	NATIVE	6	STANDARD-DENSE, SYMMETRICAL, DEEP GREEN FOLIAGE, NO VOIDS, STRAIGHT TRUNK, 8" C.T. MIN./8" STRAIGHT TRUNK MIN., MATCHING.
ACCENT	BOTANICAL / COMMON NAME	CONT	CAL	HT	SPD	NATIVE	QTY	REMARKS
ED-S12	Elaeagnus decipiens / Japanese Blueberry Tree	65G	2.5" CAL	12 HT	6 SPD	NON-NATIVE	6	STANDARD/TREE FORM, DENSE, SYMMETRICAL CROWN, STRAIGHT TRUNK, 6" CT, MATCHING SUBMIT PHOTO
TR-4	Thrinax radiata / Florida Thatch Palm	25G		4 HT	3'-4 SPD	NATIVE	17	REMARKS #1, FULL, INTACT FRONDS, GOOD COLOR
PALM TREES	BOTANICAL / COMMON NAME	CONT	CAL	HT	SPD	NATIVE	QTY	REMARKS
BN-8	Bismarckia nobilis 'Silver' / Silver Bismarck Palm	FIELD GROWN		16 HT	16 SPD	NON-NATIVE	17	FLORIDA FANCY, HEAVY, INTACT FRONDS, 8" C.T., MATCHING SUBMIT PHOTO
BN-12	Bismarckia nobilis 'Silver' / Silver Bismarck Palm	FIELD GROWN		20 HT	16 SPD	NON-NATIVE	17	FLORIDA FANCY, HEAVY, INTACT FRONDS, 12" C.T., MATCHING SUBMIT PHOTO
PS-10	Phoenix sylvestris / Wild Date Palm	B&B		20 HT	16 SPD	NON-NATIVE	30	FULL HEAD, HEAVY CALIPER, STRAIGHT TRUNK, MATCHING, 10' C.T.
PS-12	Phoenix sylvestris / Wild Date Palm	B&B		22 HT	16 SPD	NON-NATIVE	18	FULL HEAD, HEAVY CALIPER, STRAIGHT TRUNK, MATCHING, 12' C.T.
SP-18	Sabal palmetto / Cabbage Palmetto	FIELD GROWN		24 HT		NATIVE	15	FLORIDA FANCY, SLICK MATCHING. SUBMIT PHOTO TO LA FOR APPROVAL, 18" C.T.
SP-20	Sabal palmetto / Cabbage Palmetto	FIELD GROWN		26 HT		NATIVE	23	FLORIDA FANCY, SLICK MATCHING. SUBMIT PHOTO TO LA FOR APPROVAL, 20" C.T.
SP-22	Sabal palmetto / Cabbage Palmetto	FIELD GROWN		28 HT		NATIVE	19	FLORIDA FANCY, SLICK MATCHING. SUBMIT PHOTO TO LA FOR APPROVAL, 22" C.T.
VA-16	Veitchia speciosa / Montgomery Palm	B&B		16 HT	16 SPD	NON-NATIVE	8	SINGLE, FULL HEAD, STRAIGHT UNSCARPED TRUNK, 8" CT MIN.
SHRUBS	BOTANICAL / COMMON NAME	CONT	HT	W	NATIVE	QTY		REMARKS
BV-S5	Bougainvillea 'Barbados Queen' / Barbados Queen	25G/11"	5 HT	3' W	NON-NATIVE	304		STANDARD, FULL DENSE, SYMMETRICAL, HEAD, MATCHING FOLIAGE, NO BRANCHING, DENSE INTACT FOLIAGE, NO VOIDS
CO-4	Clusia guilfordii / Small-Leaf Clusia	70/14"	4 HT	30 W	NON-NATIVE	304		FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE, NO VOIDS
CE-6	Conocarpus erectus / Green Buttonwood	15G/17"	6 HT	36 W	NATIVE	68		FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE, NO VOIDS
NO-C	Nerium oleander 'Calypso' / Calypso Oleander	30G/11"	6'-8" HT	36 W	NON-NATIVE	9		FULL TO BASE, PINK, FULL, DENSE FOLIAGE TO BASE.
SHRUB AREAS	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	WIDTH	NATIVE	QTY		REMARKS
PN	Psychotria nervosa / Wild Coffee	30/10"	24"	24"	NATIVE	248		FULL, DENSE FOLIAGE TO BASE
GROUND COVERS	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	WIDTH	NATIVE	QTY		REMARKS
A	Annularis / Annularis TBS	4" POT	10"			348		FULL POTS, BLOOMING, TO BE SELECTED BY OWNER AT TIME OF INSTALL.
FM-G	Ficus microcarpa 'Green Island' / Green Island Ficus	3G/10"	16"	14"	NON-NATIVE	3,024		FULL, DENSE FOLIAGE, GOOD COLOR
LM-E	Liriodendron muscari 'Emerald Goddess' / Liriodendron	10G/8"	12"	10"	NON-NATIVE	572		FULL, DENSE POTS, GOOD COLOR
PK-D	Podocarpus macrophyllus 'Dwarf Pingling' / Dwarf Podocarpus	3G/10"	16"	14"	NON-NATIVE	139		FULL, DENSE FOLIAGE, FULL TO BASE, GOOD COLOR
TO-P	Tuberoliparis diversata 'Princess Jasmine' / Princess Jasmine	3G/10"	16"	14"	NON-NATIVE	31		FULL, DENSE FOLIAGE, FULL TO BASE, GOOD COLOR
TA-M	Trachospermum asiaticum 'Mirina' / Mirina Jasmine	10G/8"	6"	12"	NON-NATIVE	656		FULL POT, DENSE FOLIAGE
VO-W	Viburnum obtusatum / Walter's Viburnum	3G/10"	14"	14"	NATIVE	375		DENSE, SYMMETRICAL FOLIAGE, NO VOIDS

MISC	BOTANICAL NAME / COMMON NAME	QTY	REMARKS
BIO	Bio Barrier-Typar or equal	Verify LF in field	PROVIDE BIO BARRIER ROOT CONTROL AT ROOTBALLS AS REQUIRED BY UTILITIES
GRAVEL A	Selected by client	Verify quantity in field	PROVIDE MIN. 2" THICK APPLICATION PROVIDE OPTIONAL BLACK ALUMINUM EDGING ALONG LANDSCAPE BEDS-FERMACOL CLEAR LINE OR EQUAL
MULCH	Grade #5 Cypress Mulch	Verify quantity in field	MINIMUM 3" DEPTH
SOD	Empire Zoysia	Verify SF in field	MINIMUM 16'X24" PIECES, GRADED #1 OR BETTER, SEE LANDSCAPE SPECIFICATIONS SHEET

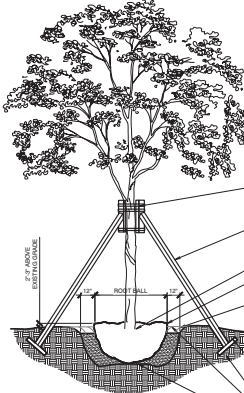
- PLEASE NOTE:**
- ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.
 - ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER, AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, TALLAHASSEE FLORIDA, LATEST EDITION.
 - SHRUBS AND HEDGES, SHALL BE A MINIMUM OF TWO FEET IN HEIGHT WHEN MEASURED IMMEDIATELY AFTER PLANTING.
 - MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.
 - TREES OR PALMS PLANTED IN SOD SHALL HAVE MULCH RINGS TO PROTECT THEM FROM LAWN MAINTENANCE EQUIPMENT AND STRING TRIMMERS.
 - THREE (3) PALMS ARE EQUIVALENT TO (1) SHADE TREE. NO MORE THAN 50 PERCENT OF THE REQUIRED TREES SHALL BE PALMS.
 - TREES SHALL BE A SPECIES HAVING AN AVERAGE MATURE SPREAD OF CROWN GREATER THAN 20 FEET AND HAVING TRUNKS WHICH CAN BE MAINTAINED IN A CLEAN CONDITION WITH OVER SIX FEET OF CLEAR MATURE WOOD. TREES HAVING AN AVERAGE MATURE SPREAD OF CROWN LESS THAN 20 FEET MAY BE SUBSTITUTED BY GROUPING THE SAME SO AS TO CREATE THE EQUIVALENT OF A 20 FOOT SPREAD OF CROWN.
 - TREE/PALM SPECIES REQUIRED FOR SINGLE FAMILY HOMES AND DUPLEXES SHALL BE A MINIMUM OF 12 FEET IN OVERALL HEIGHT AT THE TIME OF PLANTING, WITH A MINIMUM OF FOUR FEET OF SINGLE STRAIGHT TRUNK WITH SIX FEET OF CLEAR TRUNK, AND A SIX-FOOT SPREAD OF CANOPY.
 - ANY TREES PLACED WITHIN THE WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS: LD 1.1 AND LD 1.2.
 - TO PROTECT AGAINST GANGLIOSOMA PALM FUNGUS, ALWAYS REMOVE ALL PALM STUMPS FROM PROPERTY.
 - ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH A FULLY AUTOMATED IRRIGATION SYSTEM AND SHALL BE EQUIPPED WITH A RAIN SENSING DEVICE.
 - ALL SYSTEMS SHALL BE DESIGNED TO ALLOW FOR HEAD-TO-HEAD COVERAGE (100 % COVERAGE WITH 100 % OVERLAP) OF ALL PLANT MATERIAL.
 - SOD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.
 - SPRINKLER HEADS SHALL BE INSTALLED TO MINIMIZE SPRAY UPON ANY PUBLIC ACCESS, SIDEWALK, STREET OR OTHER NON-PERVIOUS AREA.
 - THE USE OF POP-UP SPRINKLER HEADS IS REQUIRED IN SWALE AREAS BETWEEN THE PROPERTY LINE AND THE PAVEMENT EDGE OF THE ADJACENT ROW TO MINIMIZE PEDESTRIAN HAZARD.
 - ALL IRRIGATION, IRRIGATION EQUIPMENT AND IRRIGATION BOXES TO BE CONCEALED.

PLA DESIGN STUDIO TO APPROVE STAKED LAYOUT OF ALL TREES AND PLANTING LAYOUT PRIOR TO INSTALLATION.

Call Sunshine No-Cuts 48 hours before you dig.

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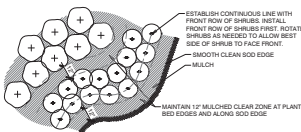
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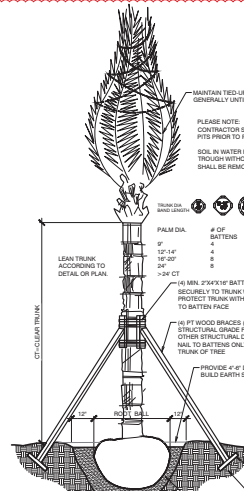
TREE PLANTING BRACING DETAIL



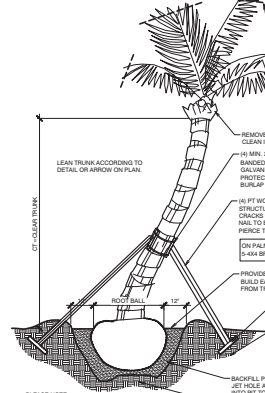
TYPICAL TREE WITH ROOT BARRIER



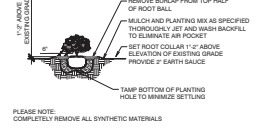
SHRUB/ GROUND COVER LAYOUT



PALM PLANTING / BRACING DETAIL



CURVED PALM PLANTING DETAIL



SHRUB/ GROUND COVER DETAIL

1. SUBMIT	07/14/22
2. REVISED	08/01/22
3. REVISED	08/01/22
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5. REVISED	12/02/22
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Delray Ridge
Delray Beach, FL

PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
1000 W. DELRAY AVE. SUITE 200
DELRAY BEACH, FL 33444
561.339.5276
info@pladesignstudio.com
www.pladesignstudio.com

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Stephanie Portus FL Reg LA 6667215

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LANDSCAPE
SCHEDULE

sheet number

L-8

LANDSCAPE CALCULATION FORM

SINGLE FAMILY HOME

CITY OF DELRAY BEACH
(561) 243-7040

A. TOTAL LOT AREA	9,637 S.F.
B. STRUCTURES, PARKING, WALKWAYS, DRIVES, ETC.	5,215 S.F.
C. TOTAL PERVIOUS LOT AREA	C = (A - B) 4,422 S.F.
D. MAX. REQUIRED AREA COVERED WITH SOD	D = (C x 80%) 3,538 S.F. or %
E. AREA OF SHRUBS AND GROUND COVER PROVIDED	1,704 S.F.
F. NATIVE PLANT MATERIAL REQUIRED	Min. 25% OF REQUIRED PLANT MATERIAL
G. NATIVE VEGETATION PROVIDED	47% quantity or %
H. TOTAL NUMBER OF TREES EXISTING ON SITE	0 TREES
I. TOTAL NUMBER OF TREES REQUIRED	I = (A/2500 SF) 4 TREES
J. TOTAL NUMBER OF TREES ON PLAN PROVIDED	4 TREES
K. TOTAL NUMBER OF NATIVE TREES	Min. 50% OF REQUIRED PLANT MATERIAL 2 TREES or %
L. TOTAL NUMBER OF TREES PROVIDED	3 TREES
M. STREET TREES (LOR SEC. 4.6.16 (H)(8)) ONE TREE PER EVERY 40 LINE FEET OF STREET FRONTAGE WITH A MINIMUM OF ONE TREE PER LOT.	2 TREES

Notes and Requirements for Landscape Plans

- ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER.
- MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.
- ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.
- ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM, AUTOMATICALLY OPERATED, TO PROVIDE COMPLETE COVERAGE TO ALL PLANT MATERIALS AND GRASS (100% COVERAGE WITH 100% OVERLAP).
- SOD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.
- THREE (3) PALMS ARE EQUIVALENT TO ONE (1) SHADE TREE.
- SHRUBS SHALL BE PLANTED ALONG THE FOUNDATION FACING A STREET.

PLEASE NOTE

AS EACH LOT IS SUBMITTED FOR PERMIT THE REQUIRED LOT AND MITIGATION PLANTINGS WILL BE ADJUSTED IN THEIR PLACEMENT (NOT QUANTITY) TO AVOID CONFLICT WITH EXISTING ADJACENT TREES.

NOTES

TREES OR PALMS PLANTED IN SOD SHALL HAVE MULCH RINGS TO PROTECT THEM FROM LAWN MAINTENANCE EQUIPMENT AND STRING TRIMMERS.

ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER, AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, TALLAHASSEE FLORIDA, LATEST EDITION.

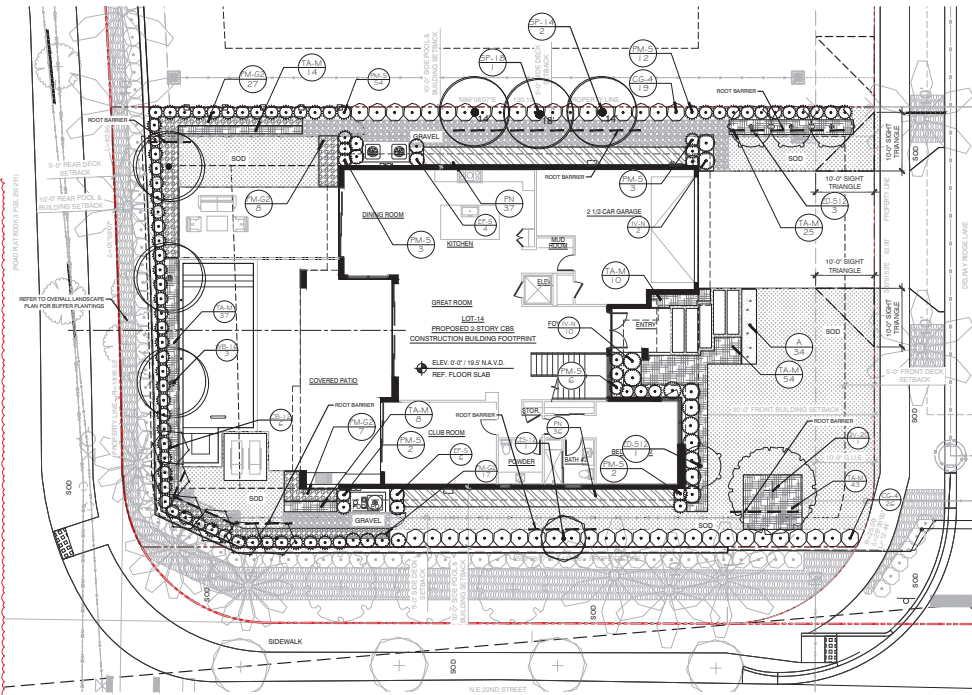
TO PROTECT AGAINST GANODERMA PALM PLUGS, ALWAYS REMOVE ALL PALM STUMPS FROM PROPERTY.

PLA DESIGN STUDIO TO APPROVE STAKED LAYOUT OF ALL TREES AND PLANTING LAYOUT PRIOR TO INSTALLATION.

ALL IRRIGATION, IRRIGATION EQUIPMENT AND IRRIGATION BOXES TO BE CONCEALED.

PLANT SCHEDULE

MITIGATION TREES	TREES CB-12	BOTANICAL / COMMON NAME Calophyllum brasiliense / Brazilian Beautyleaf	CONT B&B	CAL 2.5' CAL	HT 12' HT	SPD 6' SPD	NATIVE NON-NATIVE	QTY 6	REMARKS FLORIDA FANCY, SINGLE LEADER, FULL DENSE, SYMMETRICAL CANOPY, 8' CT. MATCH-N-SUBMIT PHOTO TO LA FOR APPROVAL	
(1) REQUIRED TREES	CES-12	Conocarpus erectus 'Sericeus' / Silver Buttonwood	30G	2' CAL	12' HT	5' 6" SPD	NATIVE	1	DENSE, SYMMETRICAL CANOPY, STRAIGHT TRUNK-MATCHING	
(1) REQUIRED TREES MITIGATION TREES	QV-20	Quercus virginiana / Southern Live Oak	100G	4' CAL	20' HT	10' SPD	NATIVE	1	STANDARD-DENSE, SYMMETRICAL, STRAIGHT TRUNK, 8' CT. MATCHING	
(1) REQUIRED TREES (3 ACCENT TREES = 1 SHADE)	ACCENT ED-S12	BOTANICAL / COMMON NAME Elaeocarpus decipiens / Japanese Blueberry Tree	CONT 65G	CAL 2.5' CAL	HT 12' HT	SPD 6' SPD	NATIVE NON-NATIVE	4	REMARKS STANDARD/TREE FORM, DENSE, SYMMETRICAL CROWN, STRAIGHT TRUNK, 6' CT. MATCHING-SUBMIT PHOTO	
(1) REQUIRED TREE (3 PALMS = 1 SHADE)	PALM TREES SP-14	BOTANICAL / COMMON NAME Sabal palmetto / Cabbage Palmetto	CONT FIELD GROWN	CAL	HT 20' HT	SPD 6' SPD	NATIVE NATIVE	2	REMARKS FLORIDA FANCY, SLICK-MATCHING, SUBMIT PHOTO TO LA FOR APPROVAL, 14' C.T.	
	SP-18	Sabal palmetto / Cabbage Palmetto	FIELD GROWN		24' HT		NATIVE	1	FLORIDA FANCY, SLICK-MATCHING, SUBMIT PHOTO TO LA FOR APPROVAL, 18' C.T.	
	WB-16	Wodyetia bifurcata / Foxtail Palm	B&B		16' HT	12' SPD	NON-NATIVE	3	SINGLE, FLORIDA FANCY, HEAVY CALIPER, STRAIGHT UNSCARRIED TRUNK, GOOD COLOR, MATCHING, 8' C.T.	
SHRUBS	CG-4	BOTANICAL / COMMON NAME Clusia guiliera / Small-Leaf Clusia	CONT 70/14"	HT 4' HT	W 30' W	NATIVE NON-NATIVE		QTY 45	FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE, NO VOIDS	
EF-5	Eugenia foetida / Spanish Stopper	15G/17"		5' 6" HT	30' W	NATIVE		10	FULL, DENSE FOLIAGE TO BASE	
IV-N	Ilex vomitoria 'Schilling's' / Yaupon Holly	25G/21"		3' HT	36' W	NATIVE		12	TOPARY SPHERE-FLORIDA FANCY-FULL DENSE FOLIAGE, NO VOIDS MATCHING	
PM-5	Podocarpus macrophyllus maki / Shrubby Yew	15G/17"		5' HT	24' W	NON-NATIVE		82	FULL, DENSE FOLIAGE TO BASE, SHEAR TO 5' HT	
SHRUB AREAS	FM-G2	BOTANICAL / COMMON NAME Ficus microcarpa / Green Island / Green Island Ficus	CONTAINER 70/14"	HEIGHT 24"	WIDTH 24"	NATIVE NON-NATIVE		SPACING 24" o.c.	QTY 59	FULL, DENSE FOLIAGE, GOOD COLOR
PN	Psychotria nervosa / Wild Coffee	3G/10"		24"	24"	NATIVE		SPACING 24" o.c.	QTY 71	FULL, DENSE FOLIAGE TO BASE
GROUNDCOVERS	A	BOTANICAL / COMMON NAME Arenaria / Annularis TBS	CONTAINER 4" POT	HEIGHT 10"	WIDTH 10"		NATIVE	SPACING 12" o.c.	QTY 34	FULL POTS, BLOOMING, TO BE SELECTED BY OWNER AT TIME OF INSTALL
MISC	TA-M	BOTANICAL NAME / COMMON NAME Trachodespermum asiaticum / Minima / Minima Jasmine	QTY 10/6"	HEIGHT 10' V	WIDTH 6"		NON-NATIVE	REMARKS 18' o.c. 181	QTY 181	FULL POT, DENSE FOLIAGE
BIO	Bio Barrier-Typist or equal	Verify quantity in field								PROVIDE BIO BARRIER ROOT CONTROL AT ROOTBALLS AS REQUIRED BY UTILITIES
GRAVEL	Selected by client	Verify quantity in field								PROVIDE MIN. 2" THICK APPLICATION PROVIDE OPTIONAL BLACK ALUMINUM EDGING ALONG LANDSCAPE BEDS-PERMALOC CLEAN LINE OR EQUAL
MULCH	Grade B+ Cypress Mulch	Verify quantity in field								MINIMUM 3" DEPTH
SOD	'Empire' Zoysia	Verify SF in field								MINIMUM 16'X24' PIECES, GRADED #1 OR BETTER, SEE LANDSCAPE SPECIFICATIONS SHEET



SUBMISSION
06/07/22

0 5 10 20 30
1" = 10'-0"

LANDSCAPE
PLAN

sheet number
L-9

REVISION	DATE	DESCRIPTION
1	07/14/22	ISSUED FOR PERMIT
2	08/01/21	REVISION
3	11/03/21	SUBMISSION
4	12/02/21	REVISION
5	12/02/21	REVISION
6	12/03/21	REVISION
7	01/14/22	SUBMISSION
8	01/14/22	REVISION
9	02/04/22	REVISION
10	02/04/22	REVISION
11	04/13/22	REVISION
12	04/27/22	REVISION
13	05/26/22	REVISION

SONOMA MODEL, Delray Ridge
Delray Beach, FL

PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
561.339.5276
info@pladesignstudio.com
www.pladesignstudio.com

Disc/Sign by:
[Signature]

soil
Stephanie Portus FL Reg LA 6667215
project number
20-102
sheet name

LANDSCAPE CALCULATION FORM

SINGLE FAMILY HOME

CITY OF DELRAY BEACH
(561) 243-7040

A. TOTAL LOT AREA		11,687 S.F.
B. STRUCTURES, PARKING, WALKWAYS, DRIVES, ETC.		5,455 S.F.
C. TOTAL PVIOUS LOT AREA	C = (A - B)	6,232 S.F.
D. MAX. REQUIRED AREA COVERED WITH SOD	D = (C x 8%)	4,986 S.F. or %
E. AREA OF SHRUBS AND GROUND COVER PROVIDED		1,792 S.F.
F. NATIVE PLANT MATERIAL REQUIRED	Min. 25% OF REQUIRED PLANT MATERIAL	quantity or %
G. NATIVE VEGETATION PROVIDED	34%	quantity or %
H. TOTAL NUMBER OF TREES EXISTING ON SITE		0 TREES
I. TOTAL NUMBER OF TREES REQUIRED	I = (A/2500 SF)	5 TREES
J. TOTAL NUMBER OF TREES ON PLAN PROVIDED		5 TREES
K. TOTAL NUMBER OF NATIVE TREES PROVIDED	Min. 50% OF REQUIRED PLANT MATERIAL	3 TREES or %
L. TOTAL NUMBER OF NATIVE TREES PROVIDED		4 TREES
M. STREET TREES (LDR SEC. 46.16 (H)(6)) ONE TREE PER EVERY 40 LINEAR FEET OF STREET FRONTAGE WITH A MINIMUM OF ONE TREE PER LOT.		2 TREES

Notes and Requirements for Landscape Plans

- ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER.
- MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.
- ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.
- ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM, AUTOMATICALLY OPERATED, TO PROVIDE COMPLETE COVERAGE TO ALL PLANT MATERIALS AND GRASS (100% COVERAGE WITH 100% OVERLAP).
- SOD AND IRRIGATION SHALL BE PROVIDED WITHIN THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE.
- THREE (3) PALMS ARE EQUIVALENT TO ONE (1) SHADE TREE.
- SHRUBS SHALL BE PLANTED ALONG THE FOUNDATION FACING A STREET.

PLEASE NOTE

AS EACH LOT IS SUBMITTED FOR PERMIT THE REQUIRED LOT AND MITIGATION PLANTINGS WILL BE ADJUSTED IN THEIR PLACEMENT (NOT QUANTITY) TO AVOID CONFLICT WITH EXISTING ADJACENT TREES.

NOTES

TREES OR PALMS PLANTED IN SOD SHALL HAVE MULCH RINGS TO PROTECT THEM FROM LAWN MAINTENANCE EQUIPMENT AND STRING TRIMMERS.

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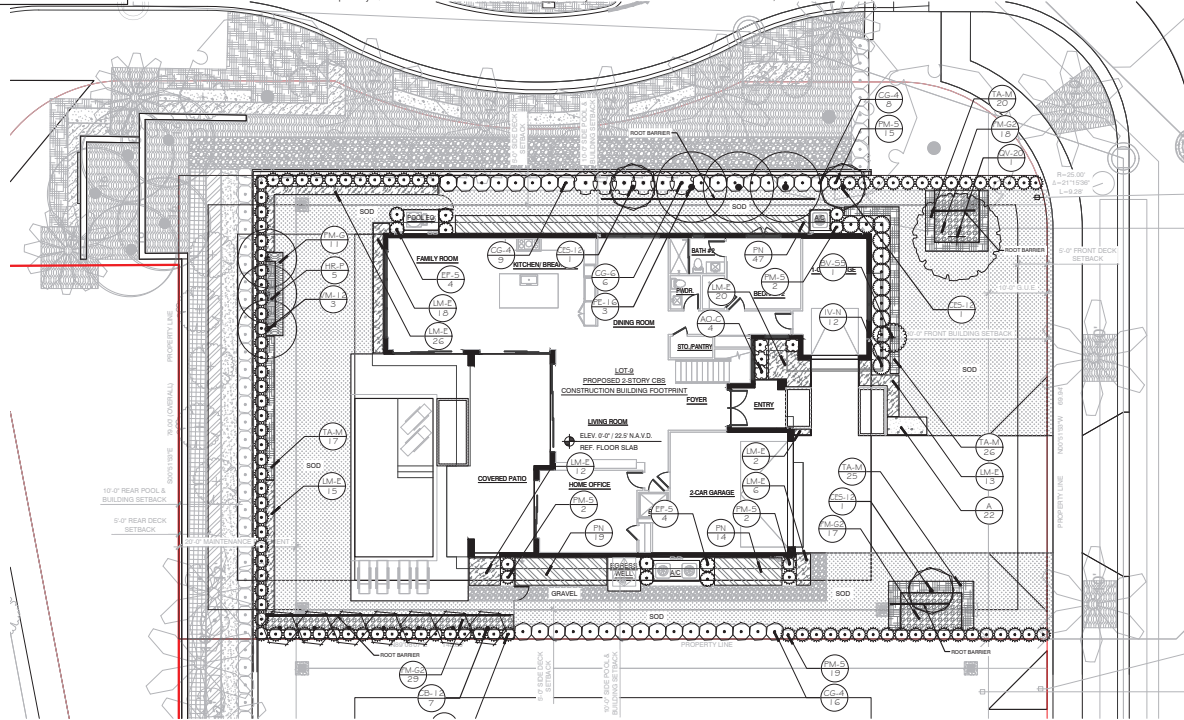
TO PROTECT AGAINST GANODERMA PALM FUNGUS, ALWAYS REMOVE ALL PALM STUMPS FROM PROPERTY.

PLA DESIGN STUDIO TO APPROVE STAKED LAYOUT OF ALL TREES AND PLANTING LAYOUT PRIOR TO INSTALLATION.

ALL IRRIGATION, IRRIGATION EQUIPMENT AND IRRIGATION BOXES TO BE CONCEALED.

PLANT SCHEDULE

MITIGATION TREES	TREES	BOTANICAL / COMMON NAME	CONT	CAL	HT	HT	SPD	NATIVE	QTY	REMARKS
CS-12	CE-12	Calophyllum brasiliense / Brazilian Beautyleaf	B&B	2.5' CAL	12' HT	12' HT	5'-6' SPD	NATIVE	7	FLORIDA FANCY, SINGLE LEADER, FULL DENSE, SYMMETRICAL CANOPY. 6' CT. MATCH SUBMIT PHOTO TO LA FOR APPROVAL
CE-12	CE-12	Conocarpus erectus 'Sericeus' / Silver Buttonwood	30G	2' CAL	12' HT	12' HT	5'-6' SPD	NATIVE	3	DENSE, SYMMETRICAL CANOPY. STRAIGHT TRUNK-MATCHING
(1) REQUIRED TREE MITIGATION TREE	QV-20	Quercus virginiana / Southern Live Oak	100G	4' CAL	20' HT	10' SPD	10' SPD	NATIVE	1	STANDARD DENSE, SYMMETRICAL, STRAIGHT TRUNK, 8' CT. MATCHING
(1) REQUIRED TREE (3 PALMS = 1 SHADE)	PALM TREES	BOTANICAL / COMMON NAME	CONT	CAL	HT	HT	SPD	NATIVE	QTY	REMARKS
	PE-16	Phycosperma elegans / Alexander Palm	B&B	16' HT	10' HT	10' SPD	10' SPD	NON-NATIVE	3	SINGLE FULL HEAD, STRAIGHT, UNSCARRIED TRUNK. MATCHING, 10' C.T.
	VM-12	Veitchia merrillii / Christmas Palm	FIELD GROWN		12' HT			NON-NATIVE	3	TRIPLE, GRADE #1, HEAVY, GOOD COLOR
	SHRUBS	BOTANICAL / COMMON NAME	CONT	HT	W	W	NATIVE	QTY		
	BV-58	Bougainvillea x 'Barbara Karst' / Barbara Karst Bougainvillea	25G/21"	5' HT	4'-6" W		NON-NATIVE	1	STANDARD, FULL, DENSE, SYMMETRICAL HEAD. MATCHING	
	CG-6	Clusia guttifera / Small-Leaf Clusia	25G/21"	6' HT	48" W		NON-NATIVE	6	FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE. NO VOIDS	
	CG-4	Clusia guttifera / Small-Leaf Clusia	7G/14"	4' HT	30" W		NON-NATIVE	33	FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE. NO VOIDS	
	EF-5	Eugenia foetida / Spanish Stopper	15G/17"	5'-6" HT	30" W		NATIVE	8	FULL, DENSE FOLIAGE TO BASE	
	IV-N	Ilex vomitoria 'Schillings' / Yaupon Holly	25G/21"	3' HT	36" W		NATIVE	12	TOPIARY SPHERE-FLORIDA FANCY-FULL DENSE FOLIAGE. NO VOIDS-MATCHING	
	PM-5	Podocarpus macrophyllus maki / Shrubby Yew	15G/17"	5' HT	24" W		NON-NATIVE	101	FULL, DENSE FOLIAGE TO BASE, SHEAR TO 5' HT	
	ACCENT	BOTANICAL / COMMON NAME	CONT	HT	W	W	NATIVE	QTY		
	AO-C	Alcaasia odora 'California' / Dwarf Elephant Ear	3G/10"	18" HT	24" W		NON-NATIVE	4	FULL DENSE FOLIAGE, INTACT LEAVES	
	SHRUB AREAS	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	WIDTH	WIDTH	NATIVE	SPACING	QTY	
	FM-32	Ficus microcarpa 'Green Island' / Green Island Ficus	7G/14"	24"	24"		NON-NATIVE	24" o.c.	64	FULL, DENSE FOLIAGE, GOOD COLOR
	PN	Psychotria nervosa / Wild Coffee	3G/10"	24"	24"		NATIVE	24" o.c.	80	FULL, DENSE FOLIAGE TO BASE
	GROUNDCOVERS	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	WIDTH	WIDTH	NATIVE	SPACING	QTY	
	A	Annals / Annals TBS	4" POT	10"				12" o.c.	22	FULL POT, BLOOMING. TO BE SELECTED BY OWNER AT TIME OF INSTALL.
	FM-G	Ficus microcarpa 'Green Island' / Green Island Ficus	3G/10"	16"	14"		NON-NATIVE	18" o.c.	11	FULL, DENSE FOLIAGE, GOOD COLOR
	HR-P	Hibiscus rosa-sinensis 'Seminole Pink' / Seminole Pink Hibiscus	3G/10"	16"	14"		NON-NATIVE	24" o.c.	5	BUSH, FULL DENSE FOLIAGE, FULL TO BASE, GOOD COLOR.
	LME	Liriope muscaris 'Emerald Goddess' / Liriope	1G/6"	12"	10"		NON-NATIVE	18" o.c.	112	FULL, DENSE POT, GOOD COLOR
	T-A-M	Trachelospermum asiaticum 'Minima' / Minima Jasmine	1G/6"	6"	12"		NON-NATIVE	18" o.c.	88	FULL POT, DENSE FOLIAGE
	MISC	BOTANICAL NAME / COMMON NAME	QTY							REMARKS
	BIO	Bio Barrier 'Typar' or equal	Verify LF in field							PROVIDE BIO BARRIER ROOT CONTROL AT ROOTBALLS AS REQUIRED BY UTILITIES
	GRAVEL	Selected by client	Verify quantity in field							PROVIDE MIN. 2" THICK APPLICATION PROVIDE OPTIONAL BLACK ALUMINUM EDGING ALONG LANDSCAPE BEDS-PERMALOC 'CLEAN LINE' OR EQUAL
	MULCH	Grade B+ Cypress Mulch	Verify quantity in field							MINIMUM 3" DEPTH
	SOD	'Empire' Zoysia	Verify SF in field							MINIMUM 16'X24" PIECES, GRADED #1 OR BETTER, SEE LANDSCAPE SPECIFICATIONS SHEET



REVISION	DATE	BY
1. SUBMISSION	07/14/22	08/01/21
2. REVISED	11/03/21	11/03/21
3. SUBMISSION	12/02/21	12/02/21
4. REVISED	01/14/22	01/14/22
5. SUBMISSION	02/04/22	02/04/22
6. REVISED	04/13/22	04/13/22
7. SUBMISSION	04/27/22	04/27/22
8. REVISED	05/26/22	05/26/22

NAPA MODEL, Delray Ridge
Delray Beach, FL



Discussed by:



soil
Stephanie Portus, P.A. Design Studio, PLLC

project number
20-102
sheet name

SUBMISSION
06/07/22



LANDSCAPE
PLAN

0 5 10 20 30
1" = 10'-0"

sheet number
L-10

MITIGATION REQUIRED

Required Tree Mitigation: 316.8 Cal.
 Provided Tree Mitigation: 324 Cal. (See table below)

Replacement Trees	Calculated (Cal.)	Calculated Provided (Cal.)
Gumbo Limbo (Common Area)	14	14
Brazilian Rosewood (Common Area)	16	16
Southern Live Oak (Common Area)	11	11
Halt Cayana (Common Area)	4	4
Southern Live Oak (Residential Lots)	14	14
Total =	59	59

Required Tree Mitigation (1.1): 159
 Provided Tree Mitigation (1.1): 159 (See table below)

Replacement Trees	Quantity
Green Buttonwood (Common Area)	44
Green Buttonwood (Residential Lots)	4
Japanese Blueberry (Common Area)	6
Brazilian Rosewood (Residential Lots)	4
Total =	58

Required Palm Mitigation: 4079 Ft.
 Provided Palm Mitigation: 2246 Ft. (See table below)

Replacement Palms	Quantity	Overall Height	Height Provided (Ft.)
Silver Star Palm (R. CT) (Common Area)	27	16	272
Silver Star Palm (L. CT) (Common Area)	1	20	20
Wild Date Palm (R. CT) (Common Area)	20	20	600
Wild Date Palm (L. CT) (Common Area)	18	22	396
Caribbean Palm (L. CT) (Common Area)	13	14	182
Caribbean Palm (R. CT) (Common Area)	13	20	260
Total =	95		2246 Ft.

Required Palm Mitigation (1.1): 9
 Provided Palm Mitigation (1.1): 9

Replacement Trees	Quantity
Caribbean Palm (L. CT) (Common Area)	13
Total =	13

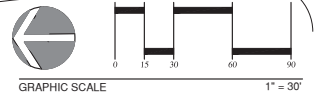
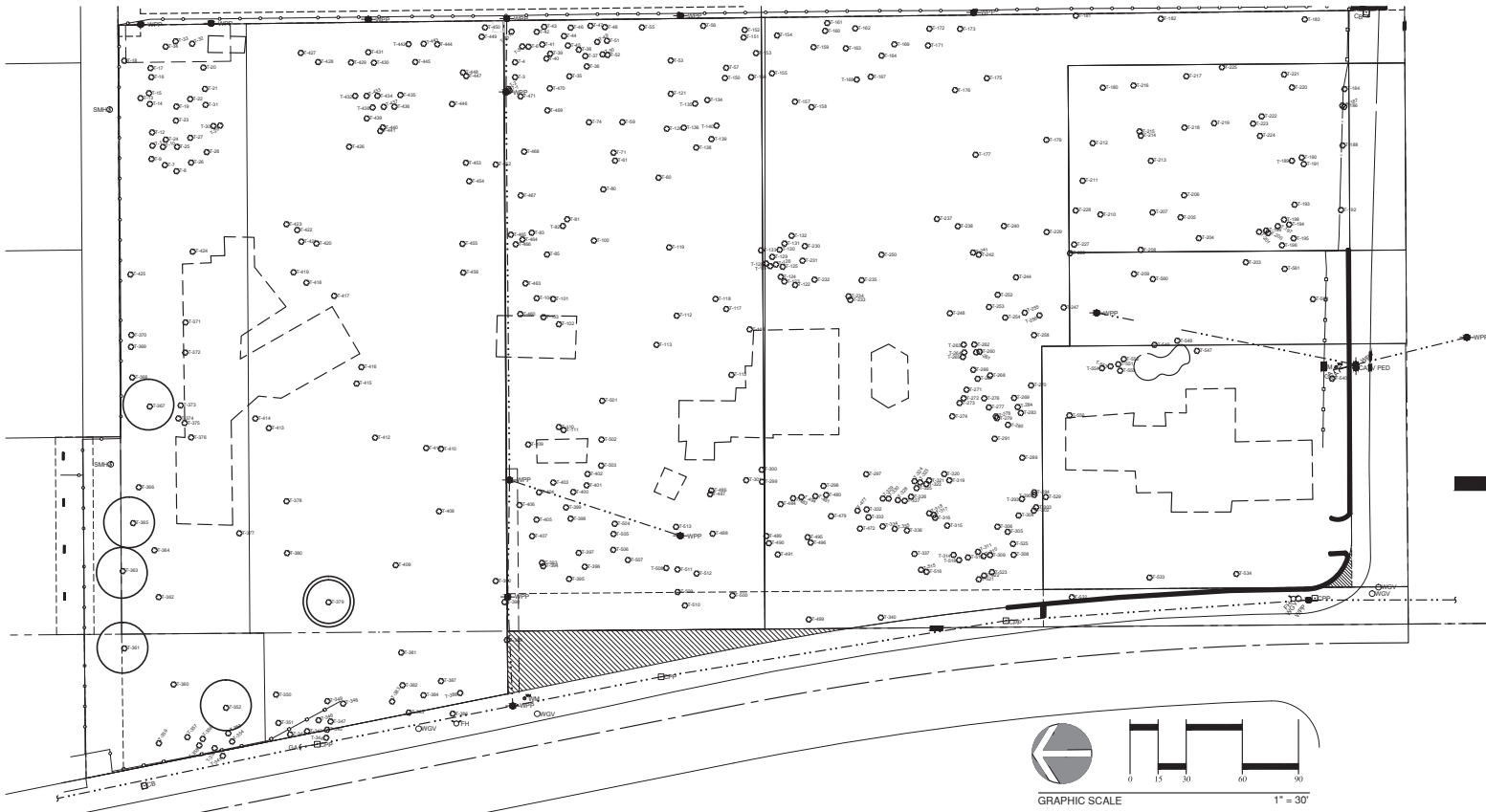
MITIGATION REQUIRED

Trees	Required Tree Mitigation (Palm Inches)	116.1 Palm Inches
Required Tree Mitigation (1.1 Replacement)	159 Trees	
Trees Preserved	5 Trees	
Trees Relocated	1 Tree	

Palms	Required Palm Mitigation (Overall Feet)	2075 Feet (97 Palms)
Required Palm Mitigation (1.1 Replacement)	9 Palms	
Palms Preserved	0 Palms	
Palms Relocated	0 Palms	



LOCATION MAP
 N.T.S.



REVISIONS	DATE	BY
1	11/13/21	GAH

CAULFIELD & WHEELER, INC.
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE
 7800 GLADE ROAD - SUITE 100
 BOCA RATON, FLORIDA 33434
 PHONE: (561) 382-1891 / FAX: (561) 382-1452

TREE PRESERVATION SURVEY
DELRAY RIDGE
 DELRAY BEACH, FLORIDA

DATE	03/16/21
DRAWN BY	GAH
F.B./P.C.	
SCALE	1" = 30'

SUMMITED BY:	Gaylord Allen Hendricks
G. ALLEN HENDRICKS	LANDSCAPE ARCHITECT
NO. 14888	STATE OF FLORIDA
DATE	MAY 31, 2024

JOB #	8577
SHEET	TP-1
OF 3 SHEETS	

Tree Disposition and Mitigation

This table is available in Excel. Please contact Jae Eun Kim by kim@mydelraybeach.com.

Project Address: Delray Ridge

Parcel ID for multiple IDs, use one for the common area:

Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating	Comments
352	Coccoloba	Coccoloba	20	75	75	
361	Live Oak	Quercus virginiana	23	40	Severe co-dom with inclusion	
363	Live Oak	Quercus virginiana	16.5	70	Co-canopy	
365	Live Oak	Quercus virginiana	23	70	Co-canopy	
367	Live Oak	Quercus virginiana	15-25	60		

Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating	Comments
379	Live Oak	Quercus virginiana		21	80	

Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating < 50%	Comments
4	Mango	Mangifera indica	7.5	20	Co-canopy	
18	Gumbo Limbo	Bursera simaruba	10.75	20	Co-canopy, vine	
38	Mango	Mangifera indica	7.75	10	Co-canopy	
48	Mango	Mangifera indica	13.5	30	Co-canopy, power lines, trunk decay	
55	Mango	Mangifera indica	13	10	Major trunk decay	
56	Mango	Mangifera indica	35	10	Major trunk decay, major storm damage	
67	Mango	Mangifera indica	19	30	Major trunk decay, major storm damage	
59	Mango	Mangifera indica	17	10	Trunk decay, storm damage	
60	Mango	Mangifera indica	20	20	Major decay in scaffold, major storm damage	
61	Mango	Mangifera indica	3	5	Tall stump	
60	Sourin Cherry	Eugenia uniflora	6.5	10	Cat 1, FLEPPC 2019 Invasive Plant List	
81	Mango	Mangifera indica	21	20	Major decay throughout	
82	Mango	Mangifera indica	7	20		
83	Mango	Mangifera indica	8	20		
85	Mango	Mangifera indica	8	20		
100	Loquat	Eriobotrya japonica	9	40	Sub-canopy	
104	Mango	Mangifera indica	6.5	20		
111	Avocado	Persea americana	13	20	Decay in scaffold, hollow trunk	
113	Golden Rain	Koeleria paniculata	20	10	Latex raked, stump sprouts	
119	Black Sapote	Diospyros nigra	11	20	Tip decay, sparse foliage, heaved	
120	Mango	Mangifera indica	26	20		
121	Mango	Mangifera indica	26	20	Multi-trunk, 1 trunk split off, co-canopy	
122	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
133	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
134	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
135	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
136	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
137	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
138	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
139	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
140	Mango	Mangifera indica	14	20	Major decay in scaffold, co-canopy, storm damage	
141	Mango	Mangifera indica	13.5	20	Decay in scaffold and trunk, co-canopy	
142	Mango	Mangifera indica	20	15	Sub-canopy	
143	Mango	Mangifera indica	20	20	Co-canopy, decay in scaffold, bark rot	
144	Mango	Mangifera indica	11	5	Major storm damage, tall stump	
145	Mango	Mangifera indica	14	30	Co-canopy, leans	
146	Mango	Mangifera indica	8	20	Top dieback	
147	Mango	Mangifera indica	11	20	Major storm damage, major decay throughout	
148	Mango	Mangifera indica	13.5	30	Co-canopy	
149	Mango	Mangifera indica	9	30	Sub-canopy	
150	Mango	Mangifera indica	24	40	Co-canopy, gridding root	
151	Mango	Mangifera indica	9	10	Cat 1, FLEPPC 2019 Invasive Plant List, sub-canopy, dead wood, severe co-dom	
152	Mango	Mangifera indica	15	20		
173	Mimosa	Albizia julibrissin	16.5	20	Cat 1, FLEPPC 2019 Invasive Plant List, Co-dom inclusion, co-canopy, storm damage, major dead wood	
180	Royal Poinciana	Delonix regia	13	30		
181	Pond Apple	Annona glabra	21	30	Decay in trunk, ganoderma, storm damage	
182	Mango	Mangifera indica	15	20	Severe decay in canopy	
191	Sea Grape	Coccoloba uvifera	15	20	DBI trunk, sub-canopy	
194	Mango	Mangifera indica	27	20	Dying	
196	Mango	Mangifera indica	6	20	Sub-canopy	
199	Sea Grape	Coccoloba uvifera	9	20	Multi-trunk, part of #201, tree is branches from tree that uprooted and kept growing	
200	Sea Grape	Coccoloba uvifera	12	20	Co-canopy	
201	Sea Grape	Coccoloba uvifera	30	20	Multi-trunk, part of #100, tree is branches from tree that uprooted and kept growing	
209	Hong Kong Orchid	Bauhinia variegata	6	20	Cat 1, FLEPPC 2019 Invasive Plant List	
210	Mango	Mangifera indica	11.5	20	Co-canopy	
211	Mango	Mangifera indica	20	40	Co-canopy, decay in trunk	
213	Mango	Mangifera indica	23	20	Major decay in trunk	
219	Mango	Mangifera indica	18	10	Major decay in trunk	
223	Mango	Mangifera indica	27	20	Major decay in trunk	
226	Mango	Mangifera indica	30.5	20	Co-canopy, major decay in trunk	
227	Mango	Mangifera indica	5.75	10	Sub-canopy	
228	Mango	Mangifera indica	11	10	Co-canopy, major decay in trunk	
230	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
231	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
232	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	
238	Live Oak	Quercus virginiana	12	20	Sub-canopy	
240	Mango	Mangifera indica	12	20		
250	Queen's Crape Myrtle	Lagerstroemia speciosa	12.5	20	Co-canopy, major storm damage	
254	Sea Grape	Coccoloba uvifera	16	20	Co-canopy, multi-trunk	
260	Elephant Apple	Dillenia indica	8	20		
270	Carambola	Averrhoa carambola	13	20	Major decay in trunk	
272	Black Sapote	Diospyros nigra	8	20	Co-canopy	
276	Jacaranda	Jacaranda mimosifolia	14	20		
280	Mango	Mangifera indica	13	20	Co-canopy	
281	Yellow Tabebuia	Tabebuia chrysotricha	13	20		
289	Black Sapote	Diospyros nigra	6.5	15	Co-canopy, storm damage	
293	Black Sapote	Diospyros nigra	30	20	Severe co-dom, storm damage, sub-canopy	
302	Mastic	Peziza lentissima	16	20	Co-canopy, major storm damage, decay in trunk	
303	Salamander Tree	Antidesma bunius	6	20	Sub-canopy	
304	Salamander Tree	Antidesma bunius	20.5	10	Major storm damage, major decay in trunk scaffolds	
305	Avocado	Persea americana	19	30	Decay in scaffolds, decay in trunk	
306	Mango	Mangifera indica	9.75	20	Sub-canopy	
308	Salamander Tree	Antidesma bunius	7	10	Major storm damage	
309	Yucca Nut	Uchida chinensis	30	40	Decay in scaffold	
310	Mango	Mangifera indica	12	20	Severe co-dom with inclusion	
311	Ficus	Ficus microcarpa	6.5	5	Cat 1, FLEPPC 2019 Invasive Plant List	
314	Mango	Mangifera indica	6.5	15		

TREE #	COMMON NAME	SCIENTIFIC NAME	HEIGHT	DBH	Condition Rating	Comments
215	Florida Apricot	Prunus americana		20	20	DBI total all trunks, stump sprout
216	Salamander Tree	Antidesma bunius		17	10	Co-canopy, severe co-dom
220	Salamander Tree	Antidesma bunius		13	30	Co-canopy
221	Jamaican Allspice	Pimenta dioica		6.5	10	Severe co-dom
222	Elephant Apple	Dillenia indica		6	20	
224	Elephant Apple	Dillenia indica		6.5	10	
225	Elephant Apple	Dillenia indica		29	20	Severe co-dom with inclusion
234	Live Oak	Quercus virginiana		4.5	30	Co-canopy
337	Hawaiian Mountain Apple	Syzygium malaccense		8	20	
340	Broom Cluster Fig	Ficus sur		80	20	Major decay throughout, power lines
350	Sea Grape	Coccoloba uvifera		8	20	Multi-trunk, storm damage, power lines
360	Live Oak	Quercus virginiana		14	30	Co-dom, multi-trunk
364	Live Oak	Quercus virginiana		17.5	30	Co-canopy
366	Gumbo Limbo	Bursera simaruba		5.75	20	Co-canopy
370	Gumbo Limbo	Bursera simaruba		7.75	30	Co-canopy
378	Laurel Oak	Quercus laurifolia		22.5	30	Co-dom with inclusion, Poor structure, gridding root
380	Tropic Almond	Terminalia catappa		18	30	Cat 1, FLEPPC 2019 Invasive Plant List, lat-raked, sprouted stump, severe co-dom
381	Sea Grape	Coccoloba uvifera		30	10	DBI total all trunks, multiple lat-raked events, major decay
384	Sea Grape	Coccoloba uvifera		60	20	DBI total all trunks, tall stump sprouted, major decay
385	Sea Grape	Coccoloba uvifera		60	20	DBI total all trunks, tall stump sprouted, major decay
389	Royal Poinciana	Delonix regia		14.5	30	Co-canopy, vine
393	Royal Poinciana	Delonix regia		14	20	
394	Sea Grape	Mangifera indica		14	20	Major decay in trunk
395	Mango	Mangifera indica		12.5	20	Sub-canopy, major storm damage, uprooted
396	Mango	Mangifera indica		16.5	20	Sub-canopy, major storm damage, uprooted
397	Queen's Crape Myrtle	Lagerstroemia speciosa		10.5	20	Cat 1, FLEPPC 2019 Invasive Plant List
398	Hawaiian Mountain Apple	Syzygium malaccense		14.5	20	DBI total both trunks
399	Mango	Mangifera indica		6.5	30	
400	Avocado	Persea americana		7.5	20	
401	Mango	Mangifera indica		11.5	30	
403	Avocado	Persea americana		9	20	
404	Sea Grape	Coccoloba uvifera		14	20	
405	Savanna	Kigelia africana		17.5	20	Sub-canopy
406	Mango	Mangifera indica		27	20	DBI total both trunks, Severe co-dom
407	Savanna	Kigelia africana		17.5	20	Sub-canopy, severe co-dom
412	Tropic Almond	Terminalia catappa		6	30	Cat 2, FLEPPC 2019 Invasive Plant List, Hollow, ganoderma in trunk
425	Gumbo Limbo	Bursera simaruba		44	30	Co-canopy, severe co-dom
426	Gumbo Limbo	Bursera simaruba		4	20	Severe co-dom, storm damage
440	African Tulip	Spathodea campanulata		8.75	20	
441	African Tulip	Spathodea campanulata		13	20	DBI total all trunks, multi-trunk
450	Fruit	Ficus microcarpa		11.5	30	Cat 1, FLEPPC 2019 Invasive Plant List, powerlines, co-canopy
451	Mango	Mangifera indica		11	20	Co-canopy, severe decay in trunk
455	Gumbo Limbo	Bursera simaruba		5	15	
460	Mango	Mangifera indica		8.5	30	Co-canopy
461	Mango	Mangifera indica		10	20	Co-canopy, storm damage
462	Mango	Mangifera indica		10	20	Co-canopy
463	Mango	Mangifera indica		18	30	Cat 1, FLEPPC 2019 Invasive Plant List, sub-canopy
467	Mango	Mangifera indica		17	20	Co-canopy, major storm damage, decay in scaffold
468	Mango	Mangifera indica		17	30	Co-canopy, decay in scaffold
470	Mango	Mangifera indica		10	10	Major storm damage
479	Queen's Crape Myrtle	Lagerstroemia speciosa		5	20	Sub-canopy
Condition Rating = 50%						
486	Mimosa	Albizia julibrissin		12	30	Cat 1, FLEPPC 2019 Invasive Plant List
499	Broom Cluster Fig	Ficus sur		100	20	Co-canopy, storm damage
500	Pond Apple	Annona glabra		8	10	Major deadwood, dying
501	Mango	Mangifera indica		10	20	Co-canopy
505	Mango	Mangifera indica		9	20	Co-canopy
507	Avocado	Persea americana		6	20	Sub-canopy
509	Broom Cluster Fig	Ficus sur		100	20	Major decay throughout
518	Mango	Mangifera indica		6	10	Co-canopy
522	Sapodilla	Manilkara zapota		4	30	Cat 1, FLEPPC 2019 Invasive Plant List, co-canopy
523	Hawaiian Mountain Apple	Syzygium malaccense		5.5	30	Sub-canopy
531	Autograph	Chusquea indica		15	40	Major decay in scaffold, severe co-dom, powerlines
532	Autograph	Chusquea indica		21	20	Major decay throughout, power lines, very poor structure
561	Sea Grape	Coccoloba uvifera		60	30	DBI total all trunks, co-canopy, multi-trunk, very poor structure
562	Savanna	Kigelia africana		26	30	Co-canopy, severe co-dom
32	Gumbo Limbo	Bursera simaruba		11	60	
103	Mango	Mangifera indica		23	60	
118	Rosewood	Dalbergia nigra		30	60	Cat 2, FLEPPC 2019 Invasive Plant List, storm damage, gridding root
169	Mango	Mangifera indica		20	50	
172	Yucca Nut	Uchida chinensis		14	70	
179	Mango	Mangifera indica		31	50	Severe co-dom with inclusion
204	Elephant Apple	Dillenia indica		13	60	
212	Mango	Mangifera indica		17	50	
217	Bourbon	Annona muricata		17	70	
267	Jacaranda	Jacaranda mimosifolia		17	50	
342	Gumbo Limbo	Bursera simaruba		13	50	
362	Live Oak	Quercus virginiana		16	70	Co-canopy
368	Japan Pine	Pinus siliocarpa		8	30	Co-canopy
408	Royal Poinciana	Delonix regia		20	70	Honey bee hive
446	Live Oak	Quercus virginiana		18.5	50	Sparse foliage
455	Gumbo Limbo	Bursera simaruba		6.25	60	
500	Mango	Mangifera indica		11	50	Co-canopy
501	Allspice	Pimenta dioica		7.5	70	
504	Strangler Fig	Ficus aurea		23	50	Storm damage
Invasive Species						
1	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
2	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
3	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
4	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
5	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
6	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
7	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
8	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
9	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
10	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
11	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
12	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
13	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
14	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
15	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
16	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
17	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
18	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
19	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
20	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
21	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
22	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
23	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
24	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
25	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
26	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
27	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
28	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
29	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
30	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
31	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
32	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
33	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
34	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
35	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
36	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
37	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
38	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
39	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
40	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
41	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
42	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
43	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
44	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
45	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
46	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
47	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
48	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
49	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
50	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
51	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
52	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
53	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
54	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
55	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
56	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
57	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
58	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
59	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List
60	Australian Pine	Casuarina equisetifolia	N/A	N/A		Cat 1, FLEPPC 2019 Invasive Plant List

TREE #	COMMON NAME	SCIENTIFIC NAME	HEIGHT	Clear Trunk	Condition Rating	Comments
151	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
160	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
162	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
184	Bischofia	Bischofia javanica	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
186	Bischofia	Bischofia javanica	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
187	Bischofia	Bischofia javanica	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
188	Bischofia	Bischofia javanica	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
192	Bischofia	Bischofia javanica	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
203	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
229	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
241	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
247	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
268	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
284	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
330	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
449	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
469	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
471	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
477	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
488	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
523	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
640	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
556	Schefflera	Brassaia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List

TREES WITH CONDITION RATING < 50% TO BE REMOVED: 339 TREES
Total DBHM of Trees with Condition Rating < 50% to be Removed: 316.8 DBHM inches

Palm #	Common Name	Scientific Name	Height	Clear Trunk	Condition Rating < 50%	Comments
133	Royal Palm	Roystonea regia	21	8	40	
252	Adonidia Palm	Adonidia merrillii	18	12	20	Decay in trunk
258	Foxtail Palm	Wodyetia bifurcata	16	8	30	
261	Adonidia Palm	Adonidia merrillii	23	17	40	
262	Adonidia Palm	Adonidia merrillii	73	17	40	
279	Adonidia Palm	Adonidia merrillii	25	19	30	
372	Foxtail Palm	Wodyetia bifurcata	16	8	40	
402	Adonidia Palm	Adonidia merrillii	20	14	40	5 trunks
513	Royal Palm	Roystonea regia	30	28	30	Nutritional deficiency
10	Coconut Palm	Cocos nucifera	20	10	70	Cat 2, FLEPPC 2019 Invasive Plant List
12	Coconut Palm	Cocos nucifera	22	12	70	Cat 2, FLEPPC 2019 Invasive Plant List
13	Coconut Palm	Cocos nucifera	23	13	70	Cat 2, FLEPPC 2019 Invasive Plant List
14	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List, 45 degree lean
15	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List
16	Coconut Palm	Cocos nucifera	20	10	70	Cat 2, FLEPPC 2019 Invasive Plant List
17	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List
24	Coconut Palm	Cocos nucifera	26	16	80	Cat 2, FLEPPC 2019 Invasive Plant List
31	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List
74	Sabal Palm	Sabal palmetto	20	14	70	Cactus, 45 degree lean, no tag
102	Royal Palm	Roystonea regia	20	8	70	
110	Royal Palm	Roystonea regia	27	15	80	
115	Adonidia Palm	Adonidia merrillii	14	8	60	Curved trunk
116	Adonidia Palm	Adonidia merrillii	20	14	50	
117	Adonidia Palm	Adonidia merrillii	22	16	60	
189	Latania Palm	Latania lontaroides	14	8	70	
190	Sabal Palm	Sabal palmetto	14	8	70	No tag
191	Sabal Palm	Sabal palmetto	16	10	70	
205	Sabal Palm	Sabal palmetto	18	12	70	
206	Sabal Palm	Sabal palmetto	18	12	70	
207	Dypsis leptochlois	Teddy Bear Palm	18	10	70	
208	Sabal Palm	Sabal palmetto	22	16	70	
213	Sabal Palm	Sabal palmetto	14	8	70	
214	Sabal Palm	Sabal palmetto	16	10	70	
216	Sabal Palm	Sabal palmetto	15	9	70	
220	Sabal Palm	Sabal palmetto	14	8	70	
221	Sabal Palm	Sabal palmetto	14	8	70	
224	Sabal Palm	Sabal palmetto	16	10	70	
232	Adonidia Palm	Adonidia merrillii	18	10	60	
234	Adonidia Palm	Adonidia merrillii	16	10	60	
235	Adonidia Palm	Adonidia merrillii	21	15	60	
247	Adonidia Palm	Adonidia merrillii	17	11	60	
254	Royal Palm	Roystonea regia	22	12	70	
255	Adonidia Palm	Adonidia merrillii	20	14	60	
263	Adonidia Palm	Adonidia merrillii	14	8	70	
264	Royal Palm	Roystonea regia	26	16	80	
265	Adonidia Palm	Adonidia merrillii	14	8	70	
266	Adonidia Palm	Adonidia merrillii	25	19	50	
269	Royal Palm	Roystonea regia	30	28	70	
271	Adonidia Palm	Adonidia merrillii	25	19	60	
273	Adonidia Palm	Adonidia merrillii	25	19	60	
274	Adonidia Palm	Adonidia merrillii	20	14	60	
291	Adonidia Palm	Adonidia merrillii	25	19	60	
294	Adonidia Palm	Adonidia merrillii	20	14	60	
295	Adonidia Palm	Adonidia merrillii	20	14	60	
297	Royal Palm	Roystonea regia	25	13	80	
300	Sabal Palm	Sabal palmetto	21	15	70	
301	Sabal Palm	Sabal palmetto	18	12	70	
316	Carpentaria Palm	Carpentaria acuminata	40	32	70	
317	Carpentaria Palm	Carpentaria acuminata	40	32	60	
323	Adonidia Palm	Adonidia merrillii	20	14	60	
326	Adonidia Palm	Adonidia merrillii	25	19	70	
327	Adonidia Palm	Adonidia merrillii	20	14	70	
328	Adonidia Palm	Adonidia merrillii	25	19	60	
329	Adonidia Palm	Adonidia merrillii	20	14	60	
332	Adonidia Palm	Adonidia merrillii	14	8	50	
334	Adonidia Palm	Adonidia merrillii	25	19	60	
335	Adonidia Palm	Adonidia merrillii	20	14	60	
336	Adonidia Palm	Adonidia merrillii	25	19	60	
343	Adonidia Palm	Adonidia merrillii	14	8	70	
350	Carpentaria Palm	Carpentaria acuminata	18	12	60	
353	Sabal Palm	Sabal palmetto	15	9	70	No tag
354	Sabal Palm	Sabal palmetto	15	9	70	No tag
360	Sabal Palm	Sabal palmetto	13	9	70	No tag
367	Sabal Palm	Sabal palmetto	15	9	70	No tag
370	Adonidia Palm	Adonidia merrillii	20	14	70	
373	Adonidia Palm	Adonidia merrillii	16	10	60	
377	Bismarck Palm	Bismarckia nobilis	20	12	60	
382	Washingtonia Palm	Washingtonia robusta	25	18	70	Cat 2, FLEPPC 2019 Invasive Plant List
387	Washingtonia Palm	Washingtonia robusta	25	18	70	Cat 2, FLEPPC 2019 Invasive Plant List
390	Coconut Palm	Cocos nucifera	21	11	80	Cat 2, FLEPPC 2019 Invasive Plant List
392	Coconut Palm	Cocos nucifera	26	16	70	Cat 2, FLEPPC 2019 Invasive Plant List
417	Coconut Palm	Cocos nucifera	25	15	80	Cat 2, FLEPPC 2019 Invasive Plant List

TREE RELOCATION NOTES

RELOCATION.

Standards for relocation.

Any Tree being relocated shall not be damaged during removal, transport, or replanting of that Tree.

If the species has a dormant period, the Tree shall be relocated during that time.

Adequate space for root and crown development shall be provided.

An inspection is required prior to root pruning and relocation. In addition, a final inspection is required after installation and/or relocation.

Trees shall be root pruned according to sound arboricultural standards prior to relocation. Root Pruning utilizing mechanical methods such as backhoes or trenchers is prohibited, and shall constitute a violation of this Chapter. Root Pruning shall extend to the drip-line of the tree to the maximum extent possible. Root Pruned Trees shall remain in place for a minimum of eight weeks prior to relocation. Manual watering shall be required during and following the root pruning process until re-established. The root ball must be kept moist at all times.

All crown pruning shall be minimized and done in accordance with standards set by the American National Standards Institute.

Trees and vegetation to be relocated during Construction or other Development activities shall be stored, staked, and irrigated in a suitable area with the granting of a Tree Permit. One-time relocation is preferred.

During and following relocation, the root ball and trunk shall be protected. The root ball shall be kept moist at all times.

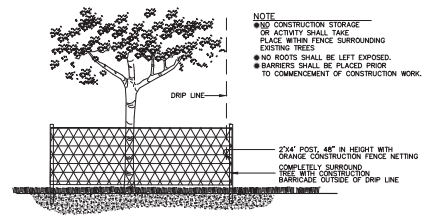
Relocated Trees shall be braced for at least one Year or until establishment.

Relocated Trees shall be watered sufficiently and fertilized until the Tree growth is reestablished. All relocated Trees shall have TerraSorb and appropriate fertilizer applied to the planting soil at the time of relocation per the manufacturer's specifications. Relocated Trees must be set in a clean soil mixture of 50% sand and 50% mulch. All palms must be set in a clean soil mixture of 80% sand and 20% mulch.

All trees to be relocated shall be relocated by a licensed tree mover, registered with the City of Delray Beach, Florida.

Daily watering within the first 30 days shall be provided by water mule truck and administered by contractor.

Tree protection barricade to remain in place during development of site, see detail this sheet.



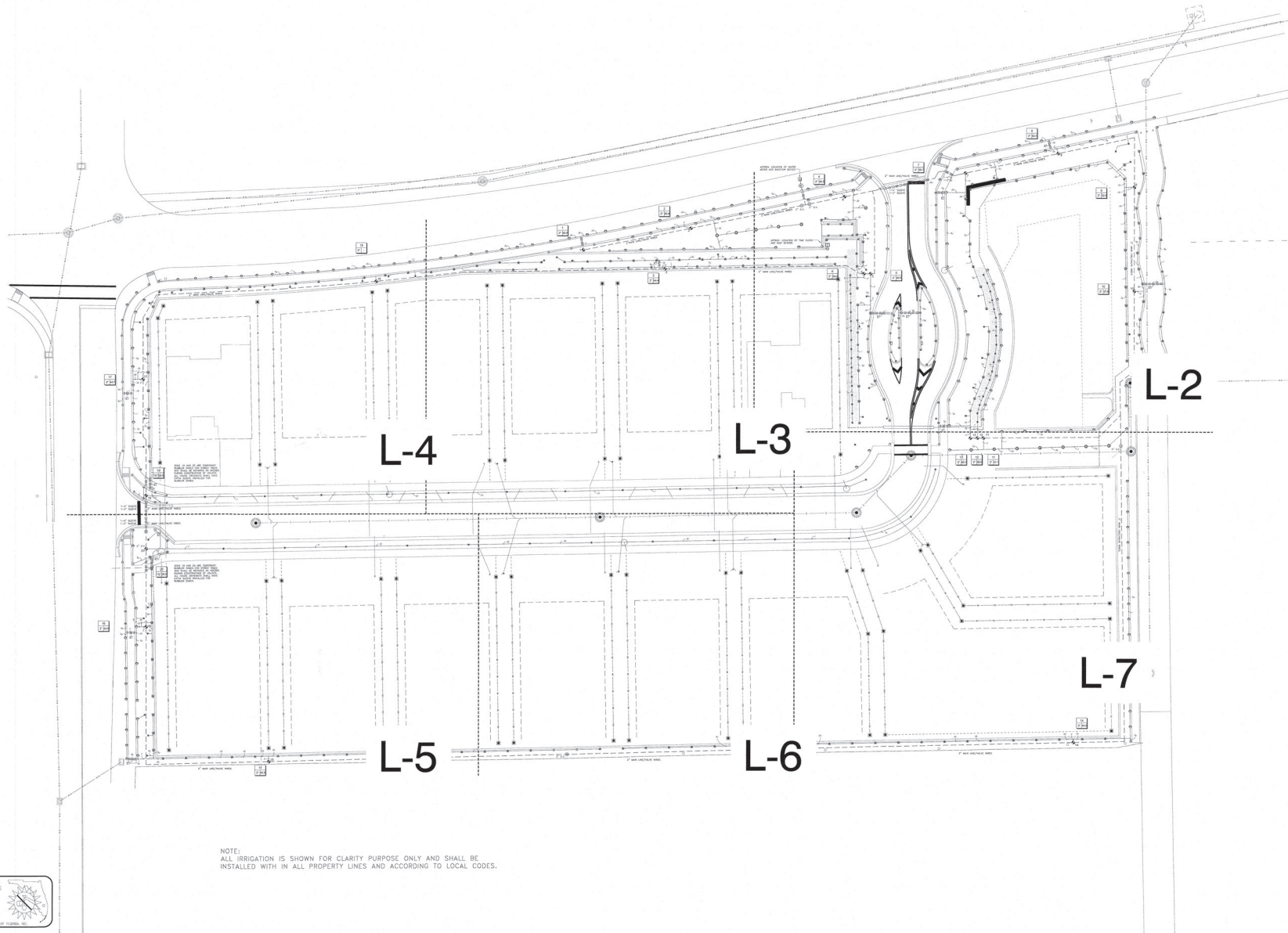
TEMPORARY CONSTRUCTION
BARRICADE
NOT TO SCALE

TREE #	COMMON NAME	SCIENTIFIC NAME	HEIGHT	Clear Trunk	Condition Rating	Comments
418	Royal Palm	Roystonea regia	26	14	60	
419	Royal Palm	Roystonea regia	25	13	60	
442	Washingtonia Palm	Washingtonia robusta	40	33	70	Cat 2, FLEPPC 2019 Invasive Plant List
443	Washingtonia Palm	Washingtonia robusta	40	33	70	Cat 2, FLEPPC 2019 Invasive Plant List
444	Washingtonia Palm	Washingtonia robusta	16	8	70	Cat 2, FLEPPC 2019 Invasive Plant List
445	Sabal Palm	Sabal palmetto	16	10	70	
447	Queen Palm	Syagrus romanzoffiana	28	18	80	Cat 2, FLEPPC 2019 Invasive Plant List
448	Washingtonia Palm	Washingtonia robusta	40	33	70	Cat 2, FLEPPC 2019 Invasive Plant List
452	Sabal Palm	Sabal palmetto	22	16	70	
472	Foxtail Palm	Wodyetia bifurcata	20	12	60	
480	Royal Palm	Roystonea regia	10	60	28	
481	Sabal Palm	Sabal palmetto	15	9	70	
483	Sabal Palm	Sabal palmetto	14	8	70	
484	Sabal Palm	Sabal palmetto	25	15	70	
487	Queen Palm	Syagrus romanzoffiana	23	13	70	Cat 2, FLEPPC 2019 Invasive Plant List
490	Sabal Palm	Sabal palmetto	16	10	70	
491	Sabal Palm	Sabal palmetto	22	16	70	
495	Adonidia Palm	Adonidia merrillii	22	16	10	
496	Adonidia Palm	Adonidia merrillii	16	10	70	
508	Adonidia Palm	Adonidia merrillii	16	10	70	
510	Sabal Palm	Sabal palmetto	25	19	70	
511	Adonidia Palm	Adonidia merrillii	25	19	70	
612	Adonidia Palm	Adonidia merrillii	25	19	70	
625	Adonidia Palm	Adonidia merrillii	25	19	60	

Total Numbers of Palms with Condition Rating < 50% to be Removed: 9 Palms
Total Heights of Palms with Condition Rating < 50% to be Removed: 2079 feet in height (87 Palms)

PALMS UNDER 8' C.T., No Mitigation Required.

Tree #	Botanical Name	Common Name	CT (feet)
T-7	Wodyetia bifurcata	Foxtail Palm	2
T-8	Wodyetia bifurcata	Foxtail Palm	1
T-9	Cocos nucifera	Coconut Palm	1
T-11	Cocos nucifera	Coconut Palm	5
T-19	Cocos nucifera	Coconut Palm	2
T-20	Roystonea regia	Royal Palm	2
T-21	Cocos nucifera	Coconut Palm	3
T-22	Roystonea regia	Royal Palm	1
T-23	Cocos nucifera	Coconut Palm	2
T-25	Cocos nucifera	Coconut Palm	1
T-26	Cocos nucifera	Coconut Palm	3
T-27	Cocos nucifera	Coconut Palm	3
T-28	Cocos nucifera	Coconut Palm	2
T-29	Roystonea regia	Royal Palm	1
T-30	Cocos nucifera	Coconut Palm	3
T-31	Cocos nucifera	Coconut Palm	3
T-34	Cocos nucifera	Coconut Palm	1
T-112	Hypophorbe verschaffeltii	Spindle palm	2
T-157	Syagrus romanzoffiana	Queen Palm	1
T-175	Sabal palmetto	Sabal Palm	3
T-195	Sabal palmetto	Sabal Palm	1
T-197	Sabal palmetto	Sabal Palm	1
T-198	Sabal palmetto	Sabal Palm	0
T-221	Sabal palmetto	Sabal Palm	4
T-222	Sabal palmetto	Sabal Palm	4
T-225	Sabal palmetto	Sabal Palm	2
T-237	Syagrus romanzoffiana	Queen Palm	7
T-248	Dypsis decaryi	Triangle Palm	2
T-253	Royal Palm	Royal Palm	1
T-298	Roystonea regia	Royal Palm	4
T-318	Wodyetia bifurcata	Foxtail Palm	7
T-344	Adonidia merrilli	Adonidia Palm	3
T-345	Adonidia merrilli	Adonidia Palm	5
T-358	Latania lontaroides	Latania palm	2
T-366	Roystonea regia	Royal Palm	2
T-371	Wodyetia bifurcata	Foxtail Palm	5
T-375	Adonidia merrilli	Adonidia Palm	7
T-376	Adonidia merrilli	Adonidia Palm	7
T-409	Phoenix canariensis	Canary Date Palm	4
T-410	Livistona chinensis	Chinese Fan Palm	1
T-411	Livistona chinensis	Chinese Fan Palm	0
T-413	Wodyetia bifurcata	Foxtail Palm	1
T-414	Wodyetia bifurcata	Foxtail Palm	6
T-421	Cocos nucifera	Coconut Palm	7
T-422	Cocos nucifera	Coconut Palm	2
T-423	Cocos nucifera	Coconut Palm	6
T-424	Cocos nucifera	Coconut Palm	4
T-427	Wodyetia bifurcata	Foxtail Palm	2
T-428	Wodyetia bifurcata	Foxtail Palm	1
T-429	Wodyetia bifurcata	Foxtail Palm	0
T-430	Wodyetia bifurcata	Foxtail Palm	2
T-431	Wodyetia bifurcata	Foxtail Palm	2
T-432	Adonidia merrilli	Adonidia Palm	3
T-433	Wodyetia bifurcata	Foxtail Palm	2
T-434	Wodyetia bifurcata	Foxtail Palm	2
T-435	Wodyetia bifurcata	Foxtail Palm	2
T-436	Wodyetia bifurcata	Foxtail Palm	2
T-437	Wodyetia bifurcata	Foxtail Palm	2
T-438	Wodyetia bifurcata	Foxtail Palm	3
T-439	Wodyetia bifurcata	Foxtail Palm	3
T-489	Roystonea regia	Royal Palm	1
T-521	Roystonea regia	Royal Palm	1
T-532	Sabal palmetto	Sabal Palm	3
T-547	Sabal palmetto	Sabal Palm	2
T-548	Adonidia merrilli	Adonidia Palm	4
T-549	Sabal palmetto	Sabal Palm	1
T-650	Sabal palmetto	Sabal Palm	2
T-551	Adonidia merrilli	Adonidia Palm	4
T-552	Adonidia merrilli	Adonidia Palm	2
T-553	Adonidia merrilli	Adonidia Palm (Double)	3
T-554	Adonidia merrilli	Adonidia Palm (Triple)	5
T-560	Syagrus romanzoffiana	Queen Palm	0



NOTE:
ALL IRRIGATION IS SHOWN FOR CLARITY PURPOSE ONLY AND SHALL BE
INSTALLED WITH IN ALL PROPERTY LINES AND ACCORDING TO LOCAL CODES.



Mac Irrigation Inc.
15200 U.S.1
Delray Beach, Florida 33446
Phone: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

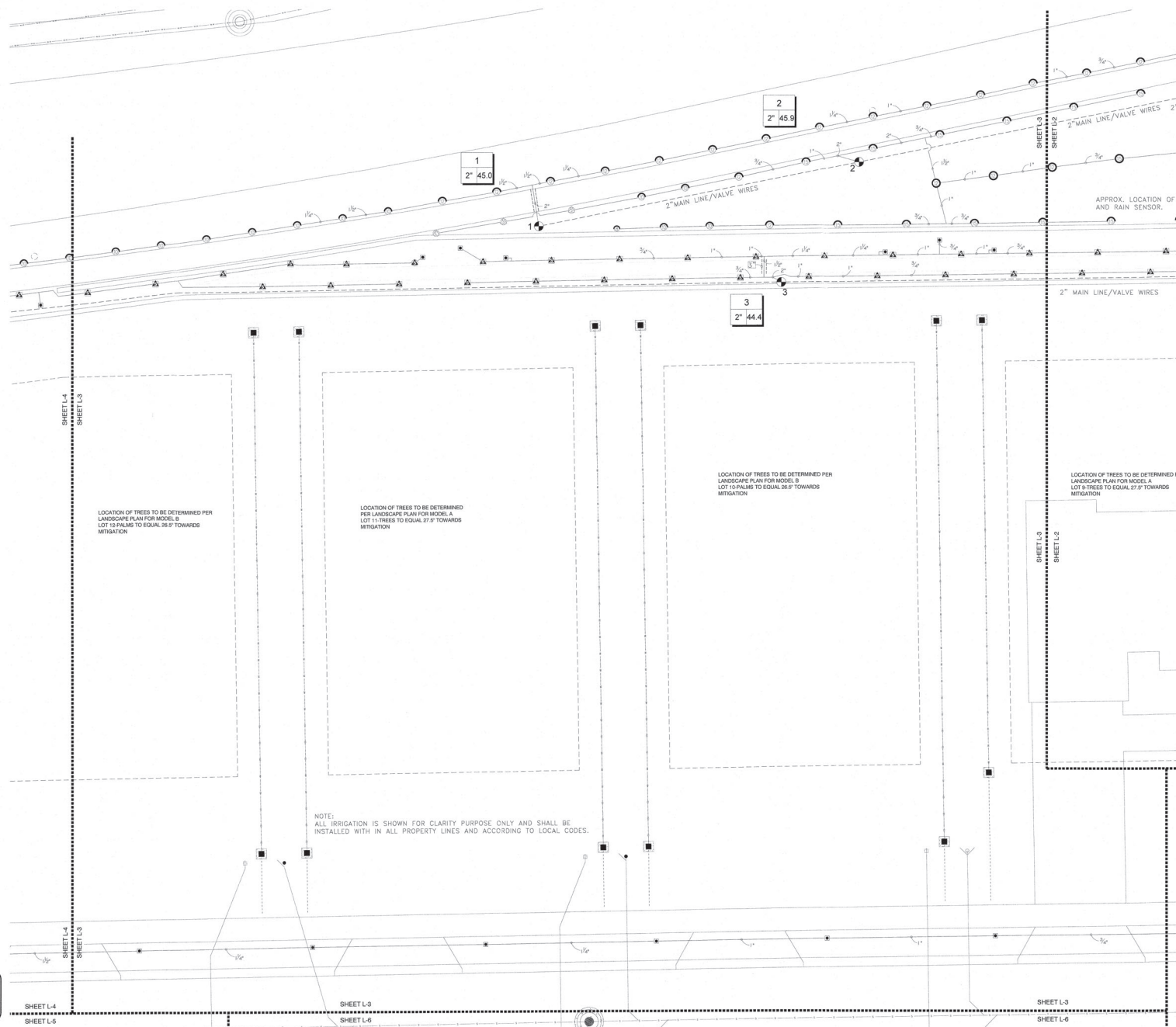
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CHECKED BY: B.B.

SCALE: 1"=30'

SHEET:
IR-1

OF-8



Mac Irrigation Inc.
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Delray Beach, Florida 33446
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Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

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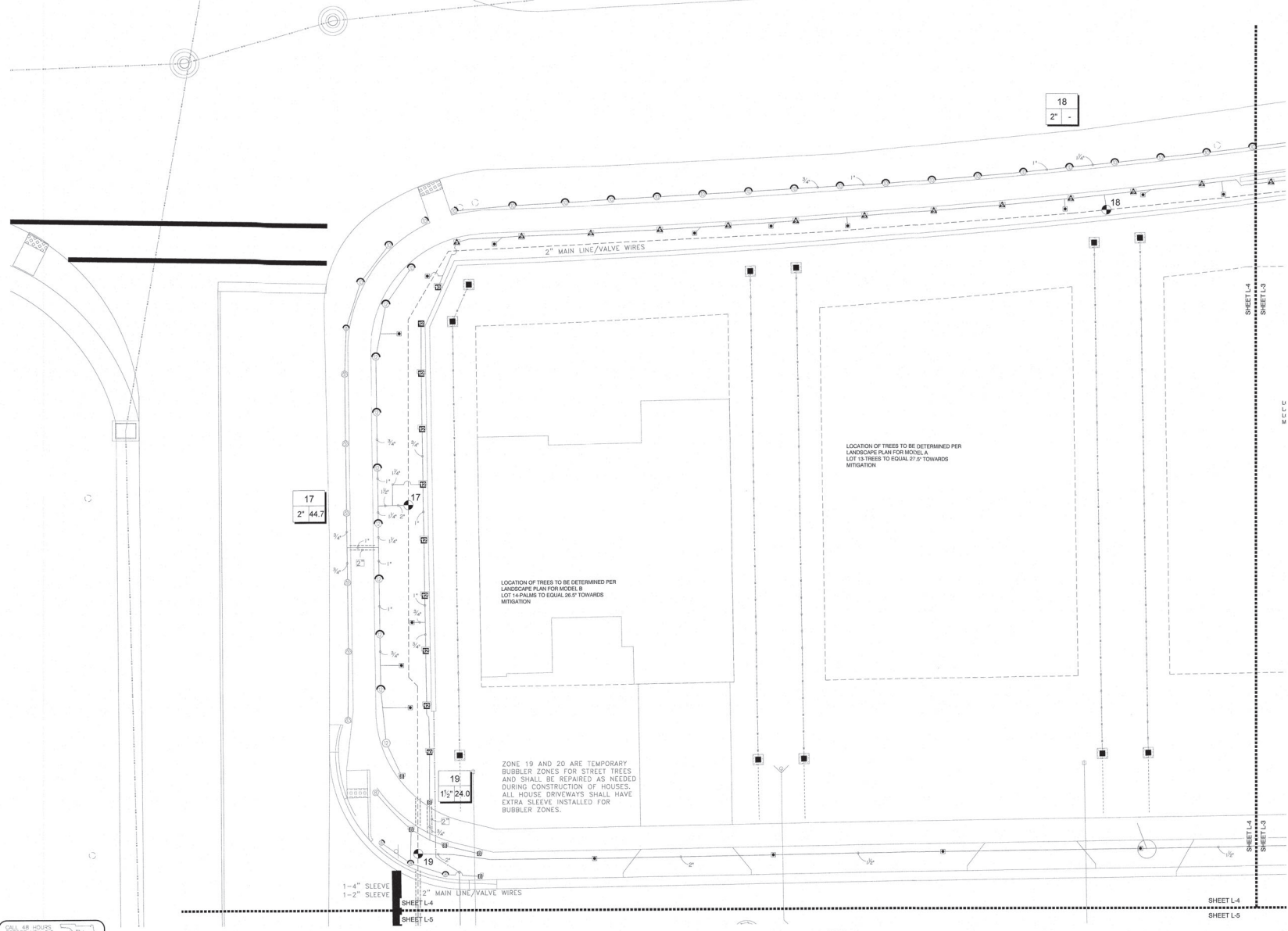
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SHEET:
IR-3

OF-8



NOTE:
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Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

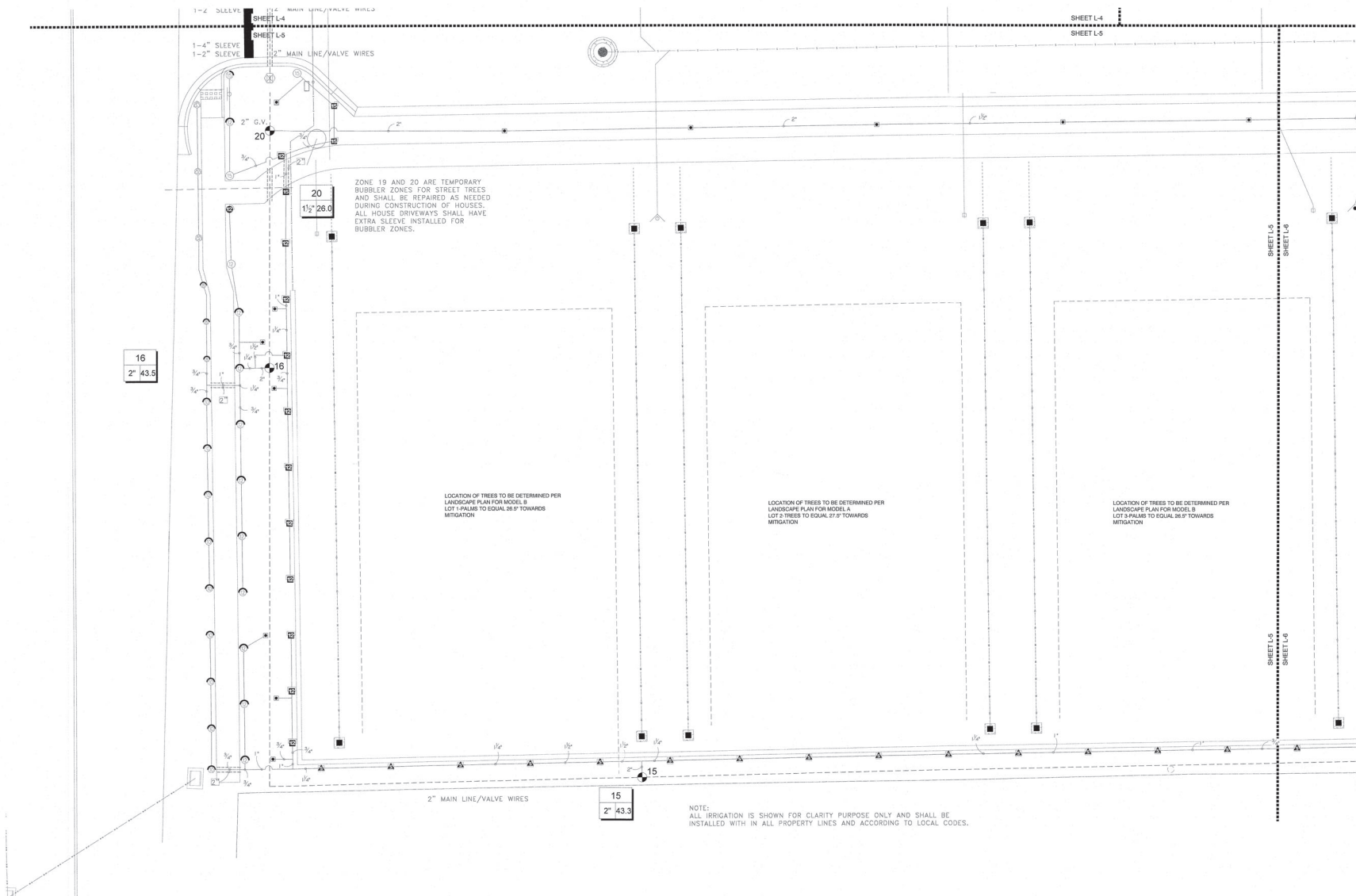
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CHECKED BY: R.B.

SCALE: 1"=10'

SHEET: IR-4

OF-8



Mac Irrigation Inc.
15200 U.S.1
Delray Beach, Florida 33446
Phone: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
DeRay Ridge
DeRay Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

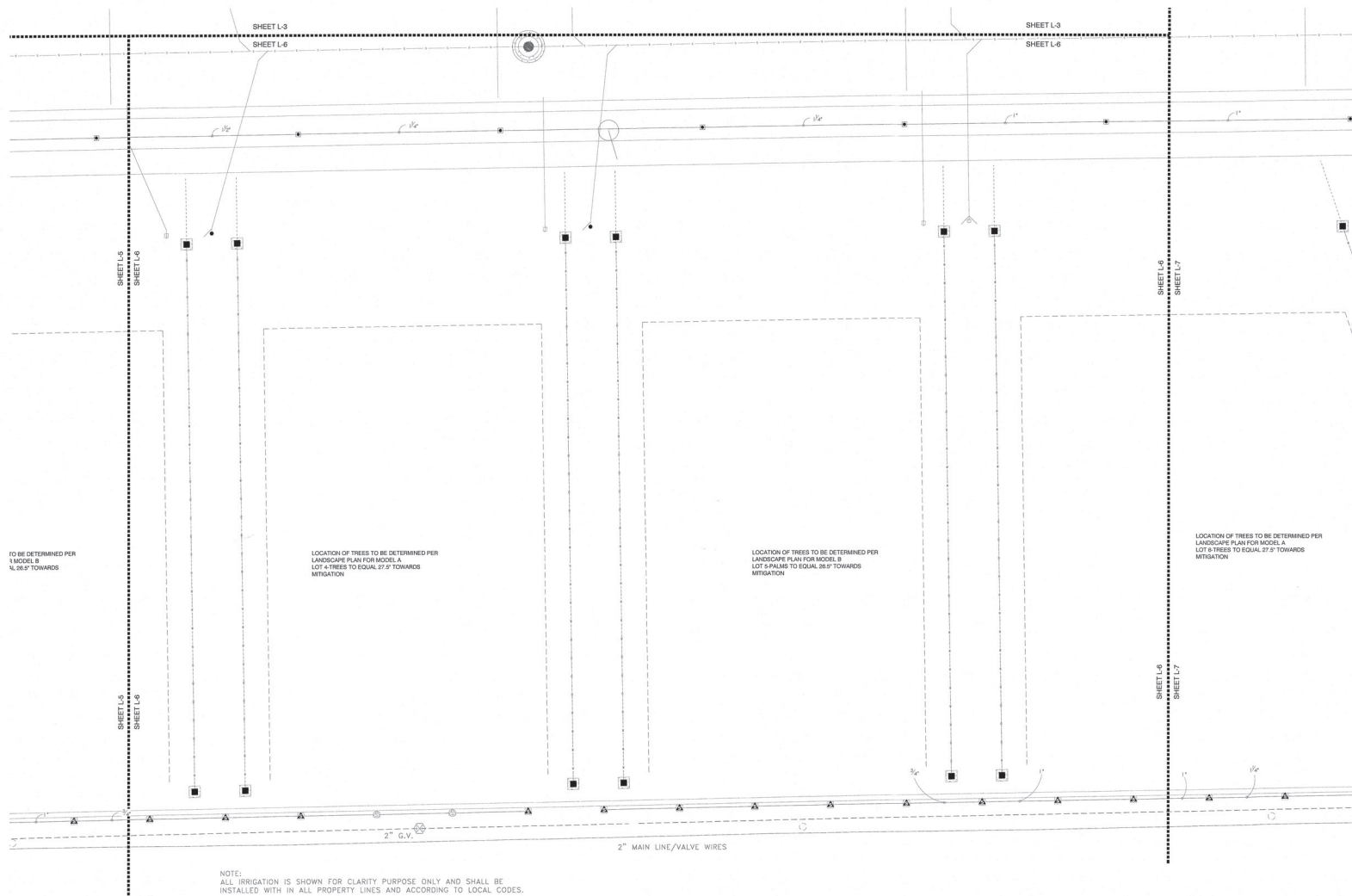
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CHECKED BY: B.B.

SCALE: 1"=10'

SHEET: IR-5

OF-8



NOTE:
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Mac Irrigation Inc.
15200 U.S. 1
Delray Beach, Florida 33446
Phone: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

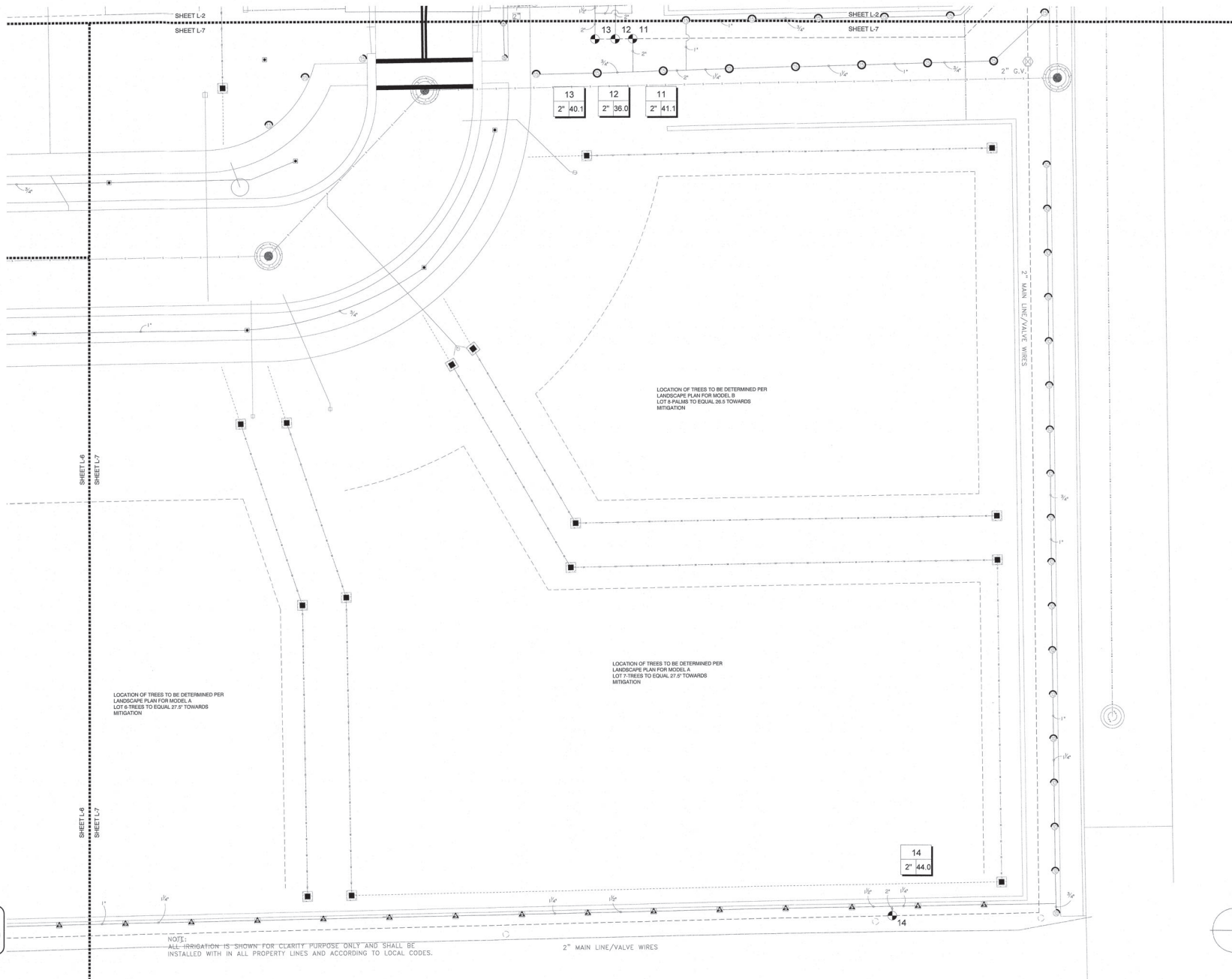
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CHECKED BY: B.B.

SCALE: 1"=10'

SHEET: IR-6

OF-8



Mac Irrigation Inc.
15200 U.S.1
Delray Beach, Florida 33446
Phone: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
**Delray Ridge
Delray Beach
Florida**

REVISIONS:

DATE: 05-06-22
DWG: Ridge
DRAWN BY: DSD
CHECKED BY: B.B.

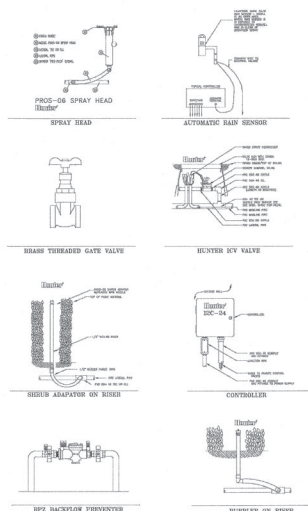
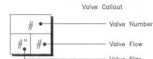
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SHEET:
IR-2

OF-8

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PROS-06 5' strip spray
	Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-06 8' radius
	Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-06 adjustable arc
	Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-12 12' radius
	Hunter PROS-00 5' strip spray
	Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 Adjustable Arc
	Flood Bubbler, 1/2" FPT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter ICV-4
	Nibco T-113
	Fabco 825Y 2
	Hunter IZC-2400-PL
	Hunter MMS-CLK
	Water Meter 1-1/2"
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Schedule 40



GENERAL NOTES

- Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
- All mainline, lateral line and control wire conduit under paving shall be installed in separate sleeves. Sleeves shall be a minimum of twice (2X) the diameter of the pipe to be sleeved.
- Install all backflow prevention devices and all piping between the point of connection and the backflow preventer as per local codes.
- Final location of the backflow preventer and automatic controller shall be approved by the owner's authorized representative.
- 120 VAC electrical power source at controller location shall be provided by others. The electrical contractor shall make the final connection from the electrical source to the controller.
- All sprinkler heads shall be set perpendicular to finish grade unless otherwise specified.
- The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum spray with minimal overspray onto walks, streets, walls, etc.
- This design is diagrammatic. All piping, valves, etc., shown within paved areas is for design clarification only and shall be installed in planting areas wherever possible. The contractor shall locate all valves in shrub areas where possible.
- It is the responsibility of the irrigation contractor to familiarize himself with all grade differences, location of walls, retaining walls, structures and utilities. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves through walls, under roadways and paving, etc.
- Do not willingly install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
- All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
- The irrigation contractor shall install check valves on all heads in areas where finish grade exceeds 4:1, where post valve shut-off draining, of the irrigation head occurs or as directed by the owner's authorized representative.
- The contractor shall provide 1800 PCS (pressure compensating screens) as necessary to reduce or eliminate overspray onto streets, walks or other areas as directed by the owner's authorized representative.
- All control wires shall be installed in PVC conduit.
- All remote control valves, gate valves, quick couplers, control wire and computer cable pull points shall be installed in approved valve boxes with covers.
- The installation devices are to be guaranteed for the period of (1) year from the date of final acceptance.

Mac Irrigation Inc.
15200 U.S.1
Delray Beach, Florida 33446
Phone: 561.498.1611

Sheet Description:
Irrigation Details

SEAL:

Project:
Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

DRAWN BY: DSD

CHECKED BY: RR

SCALE: N.T.S.

SHEET: IR-2

OF-8