

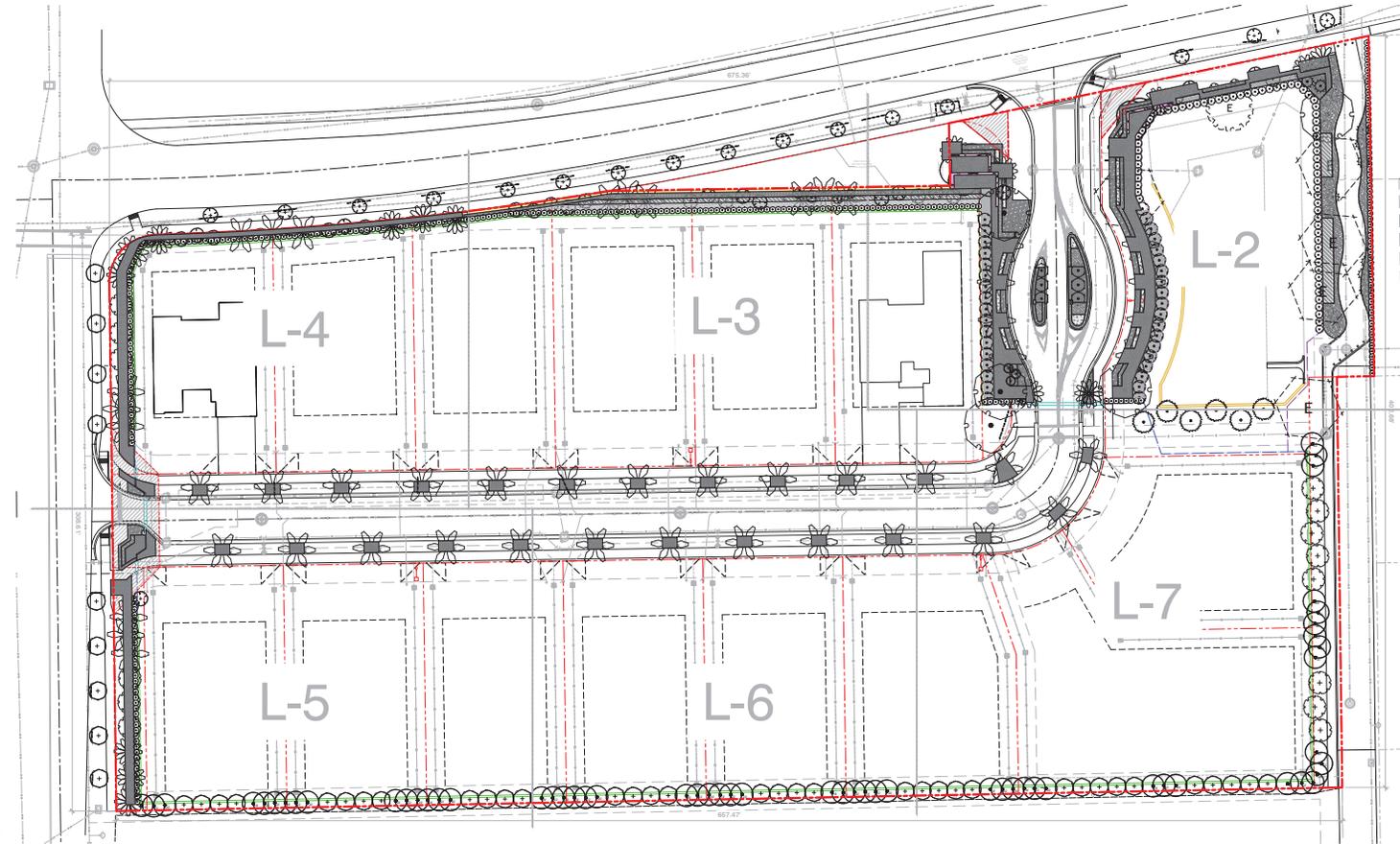
MITIGATION REQUIRED	
TREES	
Required Tree Mitigation (DBH Inches):	316.8 DBH Inches
Required Tree Mitigation (1:1 Replacement):	159 Trees
Trees Preserved:	5 Trees
Trees Relocated:	1 Tree
PALMS	
Required Palm Mitigation (Overall Feet):	2079 Feet (97 Palms)
Required Palm Mitigation (1:1 Replacement):	9 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	17	16	272
Brazilian Beautyleaf (Common Area)	36	3	108	1	20	20
Southern Live Oak (Common Area)	5	16	80	30	20	600
Bald Cypress (Common Area)	6	4	24	38	23	396
Southern Live Oak (Residential Lots)	14	4	56	15	24	360
			324 CAL	23	26	598
					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	Cabbage Palm (20' CT) (Common Area)	19
Silver Buttonwood (Common Area)	44		
Japanese Blueberry (Common Area)	6		
Brazilian Beautyleaf (Residential Lots)	65		
	Total =		19
	132		



- 1. SUBMITTED 07/14/22
- 2. REVISED 08/01/21
- 3. SUBMITTED 11/10/21
- 4. REVISED 12/02/21
- 5. REVISED 12/03/21
- 6. SUBMITTED 01/14/22
- 7. REVISED 02/04/22
- 8. SUBMITTED 03/01/22
- 9. REVISED 04/13/22
- 10. REVISED 04/27/22
- 11. REVISED 05/26/22
- 12. REVISED 06/07/22

Delray Ridge
Delray Beach, FL

P.L.A. DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
STEPHANIE PORTUS, REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
FLORIDA LICENSE #13340
www.pladesignstudio.com 561.391.5278



Discussed by:
Stephanie Portus FL Reg LA 6667215

project number
20-102
sheet name
LANDSCAPE COVER SHEET

SUBMISSION 06/07/22

1" = 30'-0"

sheet number
L-1

Call Sunshine No-Cuts 48 hours before you dig.
1-800-432-4770
This drawing is an instrument of service copyright © 2022 by P.L.A. Design Studio, PLLC, all rights reserved - it is not to be reproduced in part or in whole without express written permission. Florida registration LA 6667215

1.	SUBMISSION	07/14/22
2.	REVISED	09/01/21
3.	REVISED	10/11/21
4.	REVISED	12/01/21
5.	REVISED	12/02/21
6.	REVISED	12/03/21
7.	REVISED	01/13/22
8.	REVISED	01/14/22
9.	REVISED	02/04/22
10.	REVISED	03/01/22
11.	REVISED	04/13/22
12.	REVISED	04/27/22

Delray Ridge
Delray Beach, FL



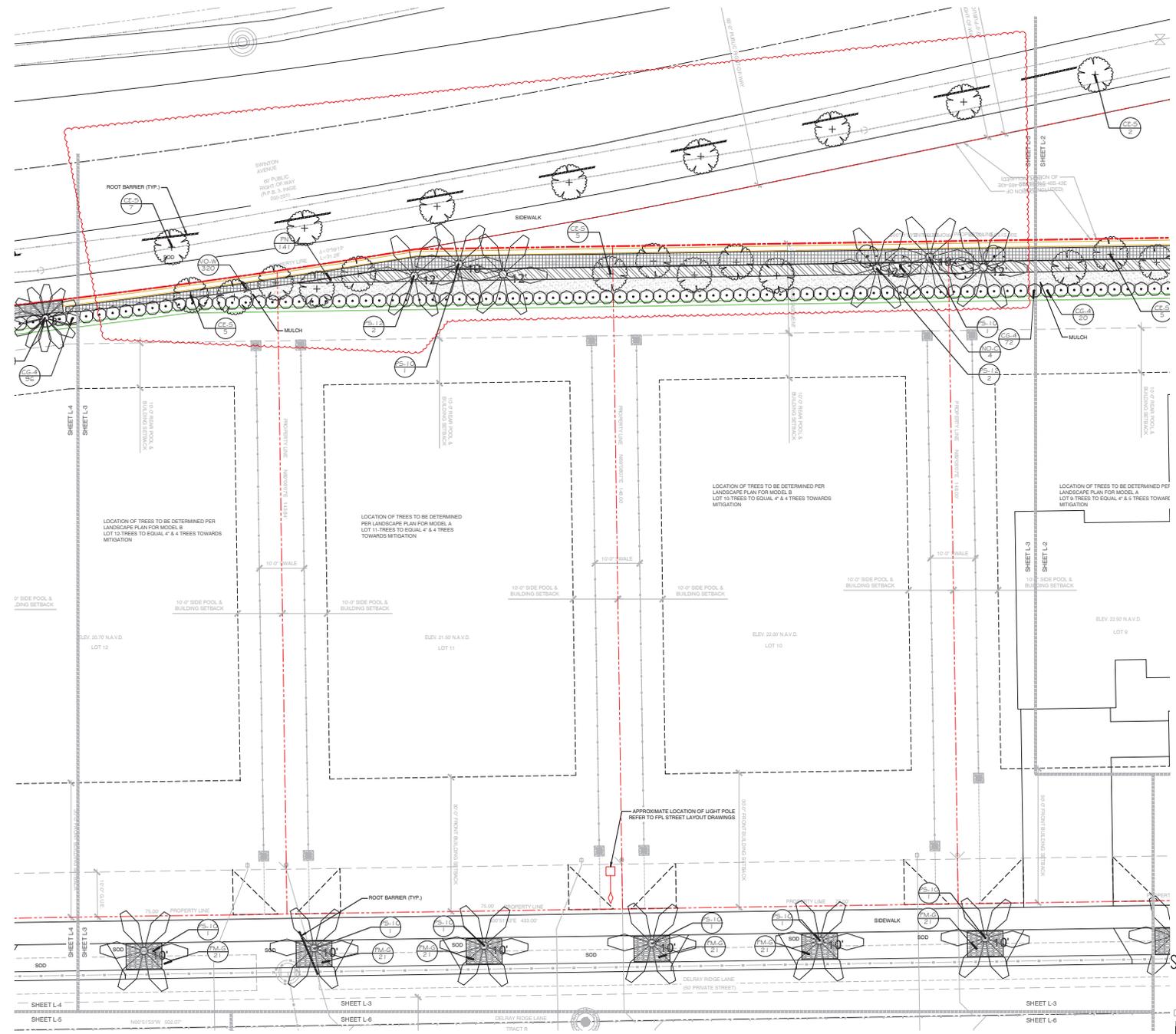
Discussed by:
Stephanie Portus, P.L.A. Design Studio, PLLC
Project number: 20-102
Sheet name: LANDSCAPE PLAN

Submission: 06/07/22
Sheet number: L-3
Scale: 1" = 10'-0"

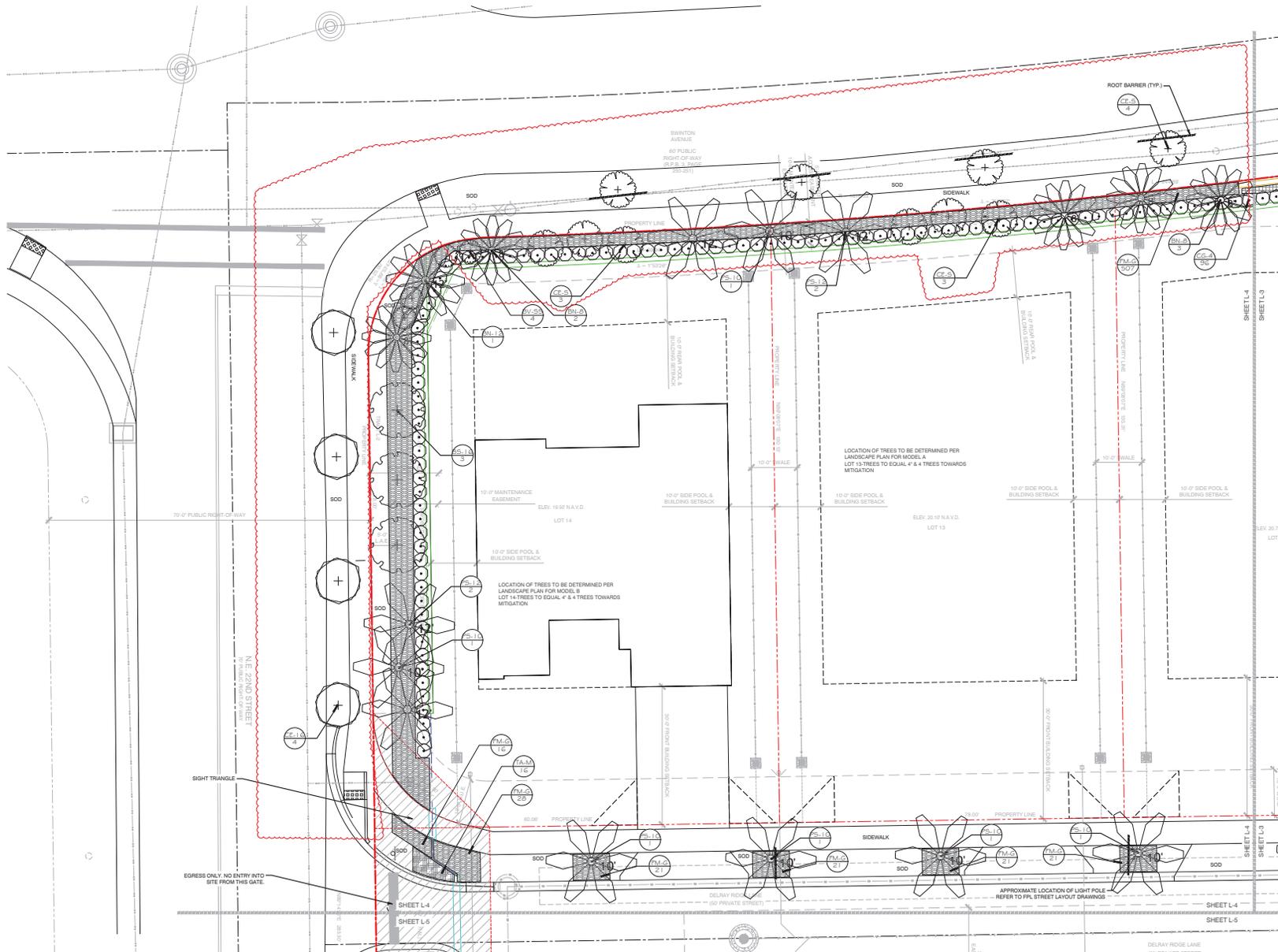
DocuSign Envelope ID: CDD30C04-8FDC-4179-960D-44E64C9D86F9

Call Sunshine No-Cuts 48 hours before you dig.
1-800-432-4770

This drawing is an instrument of service copyright © 2022 by P.L.A. Design Studio, PLLC, all rights reserved - It is not to be reproduced in part or in whole without express written permission. Florida registration LA 6667215



1. SUBMISSION	07/14/22
2. REVISED	08/01/21
3. SUBMISSION	10/11/21
4. REVISED	12/02/21
5. REVISED	12/02/21
6. REVISED	12/03/21
7. SUBMISSION	01/14/22
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

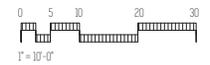


DocuSigned by:
Stephanie Portus FL Reg. LA 6667215

project number
20-102

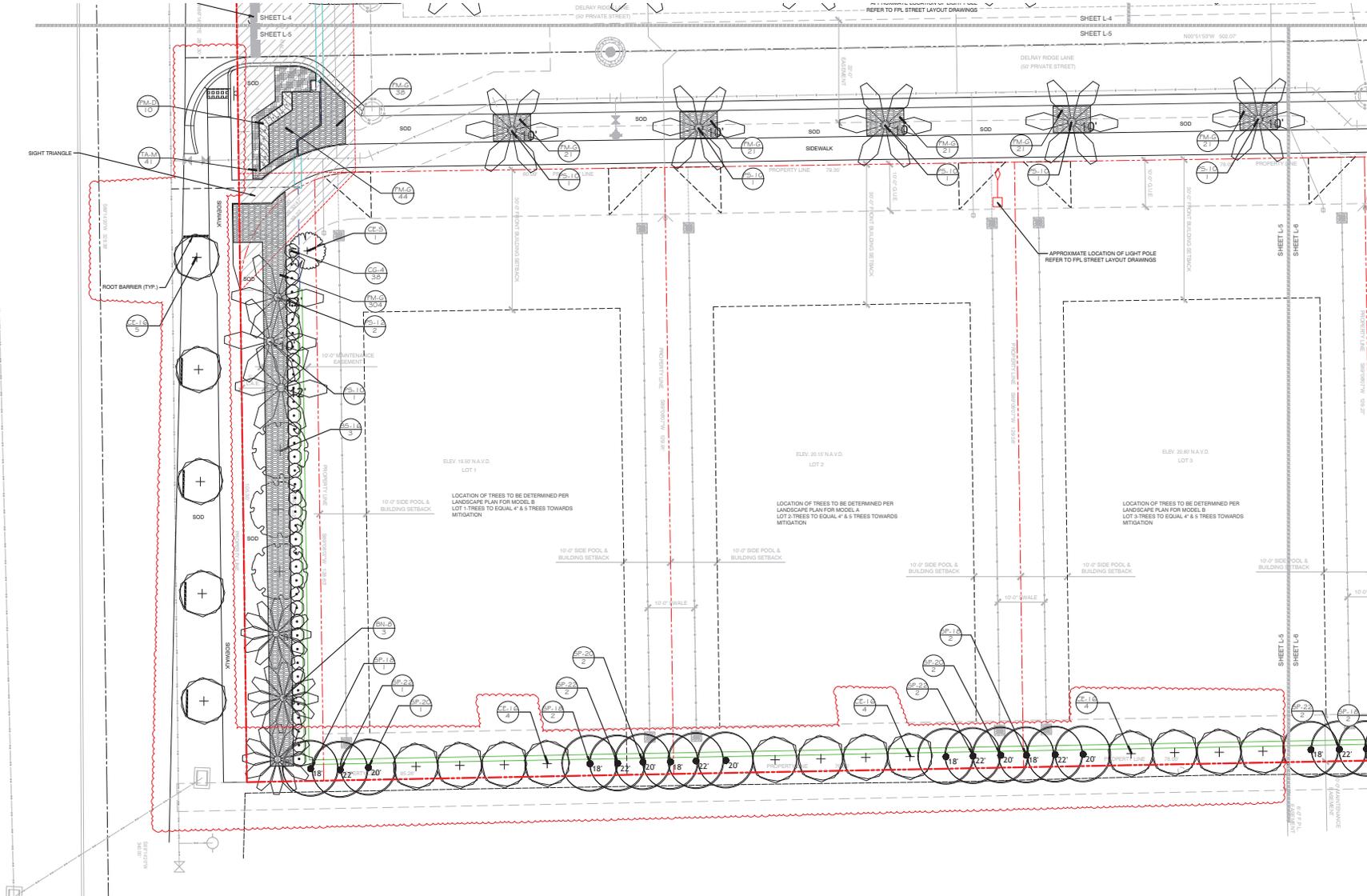
sheet number
L-4

SUBMISSION
06/07/22



Call Sunshine No-Cuts 48 hours before you dig.
1-800-432-4770
This drawing is an instrument of service copyright © 2022 by P.L.A. Design Studio, PLLC, all rights reserved - it is not to be reproduced in part or in whole without express written permission. Florida registration LA 6667215

NO.	DATE	DESCRIPTION
1.	07/14/21	SUBMISSION
2.	08/01/21	REVISION
3.	10/19/21	REVISION
4.	11/15/21	REVISION
5.	12/02/21	REVISION
6.	12/13/21	REVISION
7.	01/13/22	REVISION
8.	01/14/22	REVISION
9.	02/04/22	REVISION
10.	03/01/22	REVISION
11.	04/13/22	REVISION



Delray Ridge
Delray Beach, FL

PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
1000 W. DELRAY BEACH BLVD. SUITE 100
DELRAY BEACH, FL 33433
TEL: 561.391.5278
WWW.PLADESIGNSTUDIO.COM



DocuSigned by:
Stephanie Portus FL Reg. LA 6667215
project number
20-102
sheet name

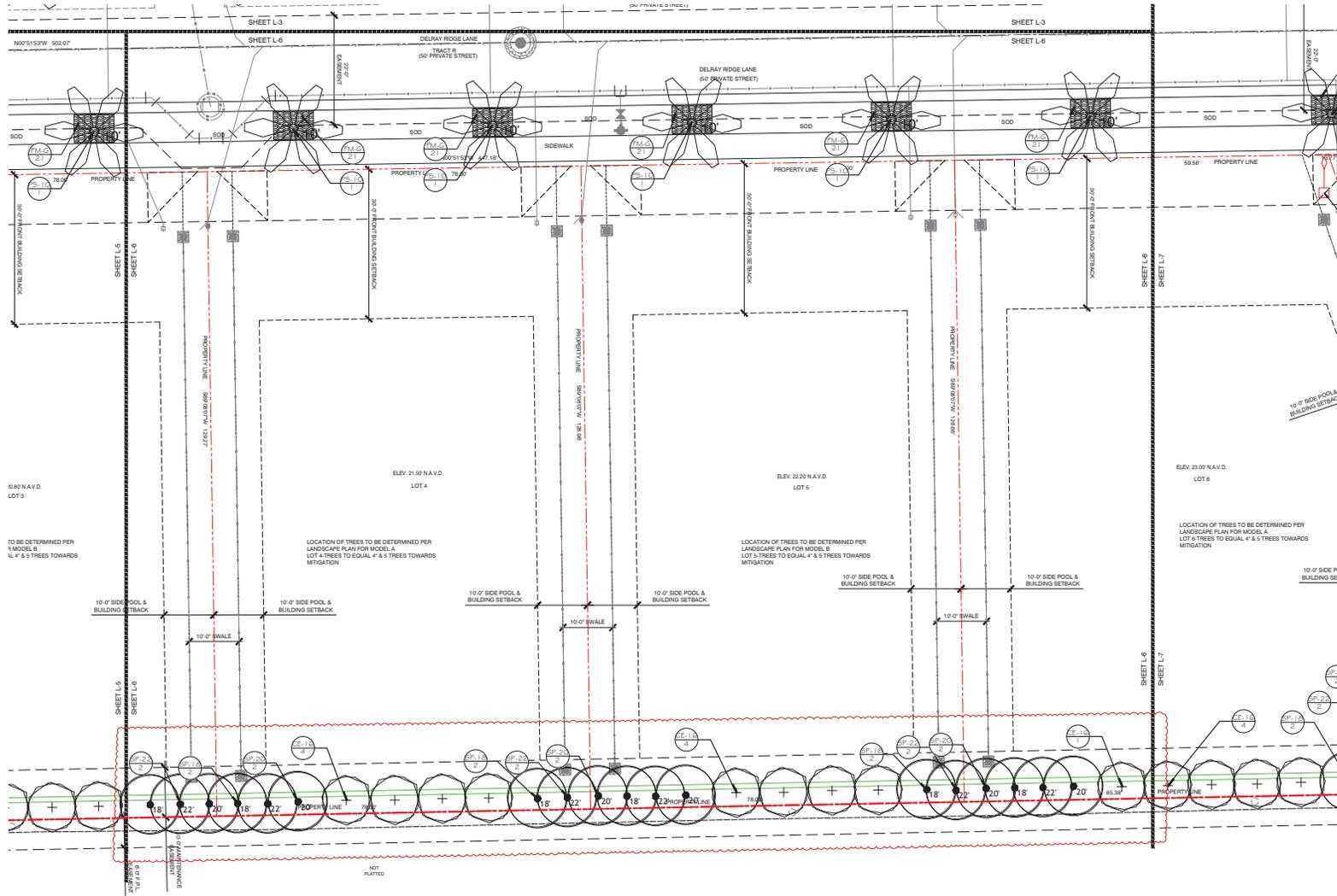
SUBMISSION
06/07/22

LANDSCAPE PLAN

1" = 10'-0"

sheet number
L-5

Call Sunshine No-Cuts 48 hours before you dig.
1-800-432-4770
This drawing is an instrument of service copyright © 2022 by PLA Design Studio, PLLC, all rights reserved - it is not to be reproduced in part or in whole without express written permission. Florida registration LA 6667215



NO.	DATE	DESCRIPTION
1.	07/14/22	SUBMISSION
2.	08/01/21	REVISION
3.	10/19/21	REVISION
4.	REVISION	REVISION
5.	12/02/21	REVISION
6.	REVISION	REVISION
7.	12/13/21	REVISION
8.	REVISION	REVISION
9.	01/14/22	REVISION
10.	02/04/22	REVISION
11.	REVISION	REVISION
12.	04/13/22	REVISION
13.	04/27/22	REVISION

Delray Ridge
Delray Beach, FL

PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
1000 W. DELRAY BEACH BLVD. SUITE 100
DELRAY BEACH, FL 33433
561.393.5278
info@pladesignstudio.com

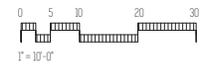
DecuSigned by:

seal
Stephanie Fortus P.L.L.C. No. 6667215
project number
20-102
sheet name

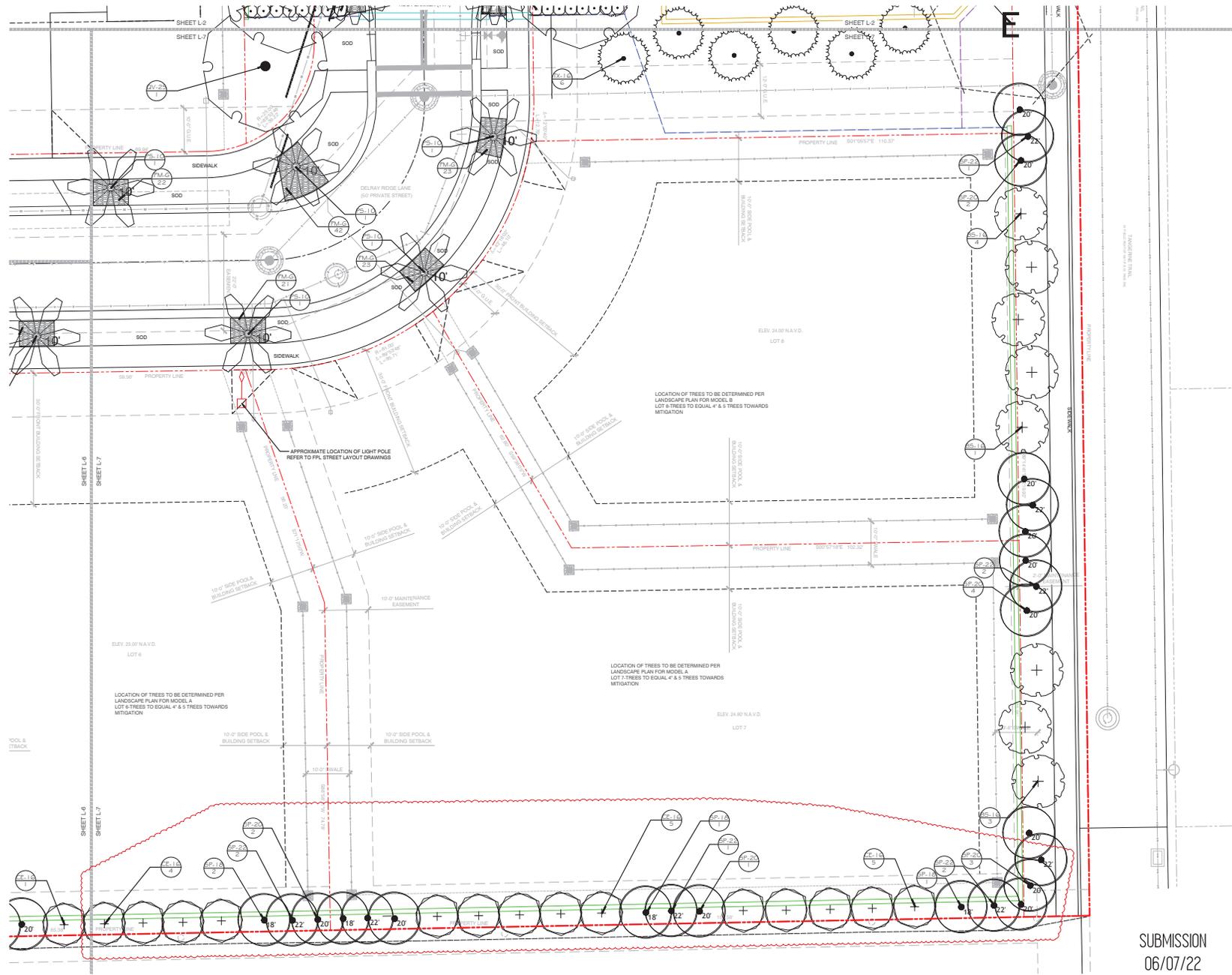
SUBMISSION
06/07/22



LANDSCAPE
PLAN



sheet number
L-6



NO.	DATE	DESCRIPTION
1.	07/14/22	SUBMISSION
2.	09/01/21	REVISION
3.	10/19/21	REVISION
4.	12/01/21	REVISION
5.	12/02/21	REVISION
6.	12/03/21	REVISION
7.	01/13/22	REVISION
8.	01/14/22	REVISION
9.	02/04/22	REVISION
10.	04/13/22	REVISION
11.	04/27/22	REVISION

Delray Ridge
Delray Beach, FL

DocuSigned by:

Stephanie Portus, P.L.L.C. Reg. LA 6667215

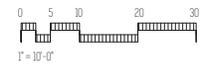
PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
1000 W. BEACH BLVD. SUITE 100
DELRAY BEACH, FL 33433
561.395.5278
info@pladesignstudio.com

seal
Stephanie Portus, P.L.L.C. Reg. LA 6667215
project number
20-102
sheet name

SUBMISSION
06/07/22



LANDSCAPE
PLAN



sheet number
L-7

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	CAL	HT	SPD	NATIVE	QTY	REMARKS
BS-16	Bursera simaruba / Gumbo Limbo	100G	4' CAL	16' 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.
CB-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	SINGLE LEADER, FULL DENSE CANOPY, NO VOIDS, STRAIGHT, UNSCARPED TRUNK, 8' C.T. MIN. 8' STRAIGHT TRUNK MIN. MATCHING.
CE-S	Conocarpus erectus 'Serotus' / 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 dealbata / Eucalyptus Tree	N/A	22' CAL	40' HT		NON-NATIVE	1	EXISTING.
QV-25	Quercus virginiana / Southern Live Oak	N/A	16" CAL	25' HT	20'-25' SPD	NATIVE	5	25' O.A. SINGLE, RANCH, 10' C.T. MIN. 8' STRAIGHT TRUNK MIN.
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	Elaeocarpus decipiens / Japanese Blueberry Tree	65G	2.5" CAL	12' HT	6' SPD	NON-NATIVE	6	STANDARD/TREE FORM, DENSE, SYMMETRICAL CROWN, STRAIGHT TRUNK, 8' C.T. MATCHING SUBMIT PHOTO.
TR-4	Thrinax radiata / Florida Thatch Palm	25G		4' HT	3'-4' SPD	NATIVE	17	SINGLE, 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	1	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 CALPERS, 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 CALPERS, 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	28' 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	Veltheia secunia / Montgomery Palm	B&B	16' HT	16' SPD		NON-NATIVE	8	SINGLE, FULL DENSE, STRAIGHT UNSCARPED TRUNK, 8' C.T. MIN.

SHRUBS	BOTANICAL / COMMON NAME	CONT	HT	W	NATIVE	QTY	REMARKS
Bougainvillea	Bougainvillea 'Barbara Karst' / Barbara Karst Bougainvillea	25G/1"	5' HT	4' 5" W	NON-NATIVE	13	STANDARD, FULL DENSE, SYMMETRICAL, HEAD, MATCHING FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE, NO VOIDS.
CO-4	Clusia guifera / 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	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
PH	Psychotria nervosa / Wild Coffee	30/10"	24"	24"	NATIVE	248	FULL DENSE FOLIAGE TO BASE.

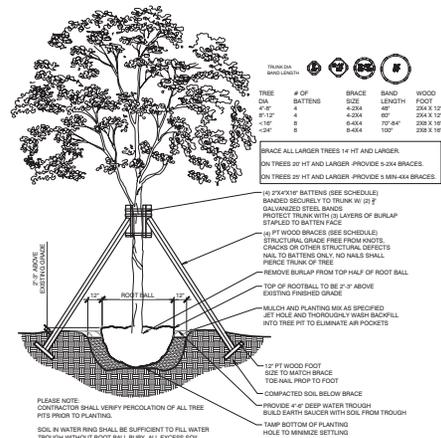
GROUND COVERS	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	WIDTH	NATIVE	QTY	REMARKS
A	Annularis / Annuals TBS	4" POT	10"			348	FULL POTS, BLOOMING, TO BE SELECTED BY OWNER AT TIME OF INSTALL.
FM-G	Ficus microcarpa 'Green Island' / Green Island Ficus	3G/10"	16"	14"	NON-NATIVE	3,024	FULL DENSE FOLIAGE, GOOD COLOR.
LM-E	Liriodendron muscari 'Emerald Goddess' / Liriodendron	1G/8"	12"	10"	NON-NATIVE	572	FULL DENSE POTS, GOOD COLOR.
PM-D	Podocarpus macrophyllus 'Dwarf Pringles' / Dwarf Podocarpus	3G/10"	16"	14"	NON-NATIVE	139	FULL DENSE FOLIAGE, FULL TO BASE, GOOD COLOR.
TOP	Tibouchina diversata / Przewalski Jasmine	30/10"	18"	18"	NON-NATIVE	31	FULL DENSE FOLIAGE, FULL TO BASE, GOOD COLOR.
TAM	Trachelospermum asiaticum 'Mirina' / Mirina Jasmine	1G/8"	6"	12"	NON-NATIVE	856	FULL POT, DENSE FOLIAGE.
VO-W	Viburnum coccineum / 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-PERIMALOG-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

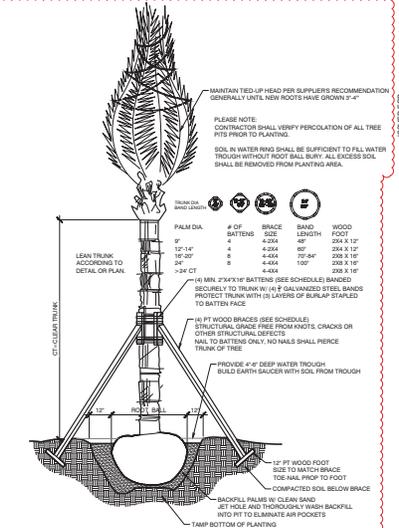
- PLEASE NOTE:**
- ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE SITE.
 - ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER, AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, TALLAHASSEE FLORIDA, LATEST EDITION.
 - 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 GANODERMA 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 ROAD 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.

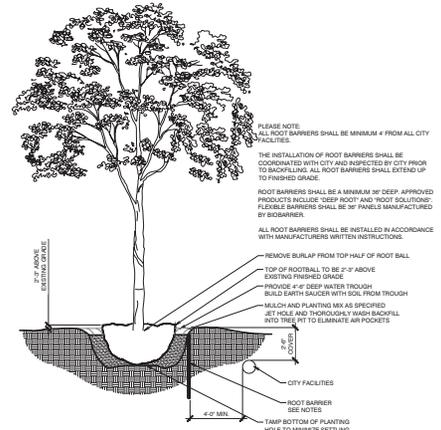
STREET TREES	LRD SEC. 4.6.16.(H)(6)	REQUIRE:	PROVIDED:
SWINONT AVE		475' 12 TREES	16 SILVER BUTTWOOD TREES
NE 22ND STREET		309' 8 TREES	9 GREEN BUTTWOOD TREES
DELRAY RIDGE LANE		692' (x2) 17 TREES (x2) = 34 TREES	33 SYLVESTER DATE PALMS 2 SILVER BISMARK PALMS



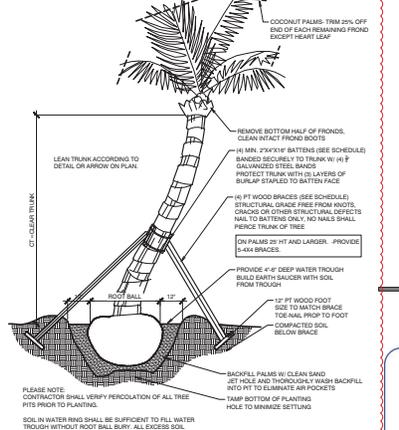
TREE PLANTING BRACING DETAIL



PALM PLANTING / BRACING DETAIL



TYPICAL TREE WITH ROOT BARRIER



CURVED PALM PLANTING DETAIL



SHRUB/ GROUND COVER LAYOUT



SHRUB/ GROUND COVER DETAIL

1. SUBMITTED	07/14/21
2. REVISED	08/01/21
3. SUBMITTED	10/13/21
4. REVISED	10/22/21
5. REVISED	12/02/21
6. REVISED	12/13/21
7. SUBMITTED	01/14/22
8. REVISED	02/08/22
9. REVISED	02/15/22
10. REVISED	04/13/22
11. REVISED	04/27/22

DeLray Ridge
DeLray Beach, FL

PLA DESIGN STUDIO, PLLC
LANDSCAPE ARCHITECTURE
5611 13th Street, Suite 100
DeLray Beach, FL 33446
561.395.5278
info@pladesignstudio.com
www.pladesignstudio.com

DocuSign by:

Stephanie Portus FL Reg LA 6667215

project number
20-102
sheet name

LANDSCAPE
SCHEDULE

sheet number
L-8

LANDSCAPE CALCULATION FORM

SINGLE FAMILY HOME

CITY OF DELRAY BEACH
(961) 243-7040

A.	TOTAL LOT AREA	11,687 S.F.
B.	STRUCTURES, PARKING, WALKWAYS, DRIVES, ETC.	5,455 S.F.
C.	TOTAL PERVIOUS 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 Min. 50% OF REQUIRED PLANT MATERIAL	3 TREES or %
L.	TOTAL NUMBER OF NATIVE TREES PROVIDED	4 TREES
M.	STREET TREES (LDR SEC. 48.16.(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 SITS.
- 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.

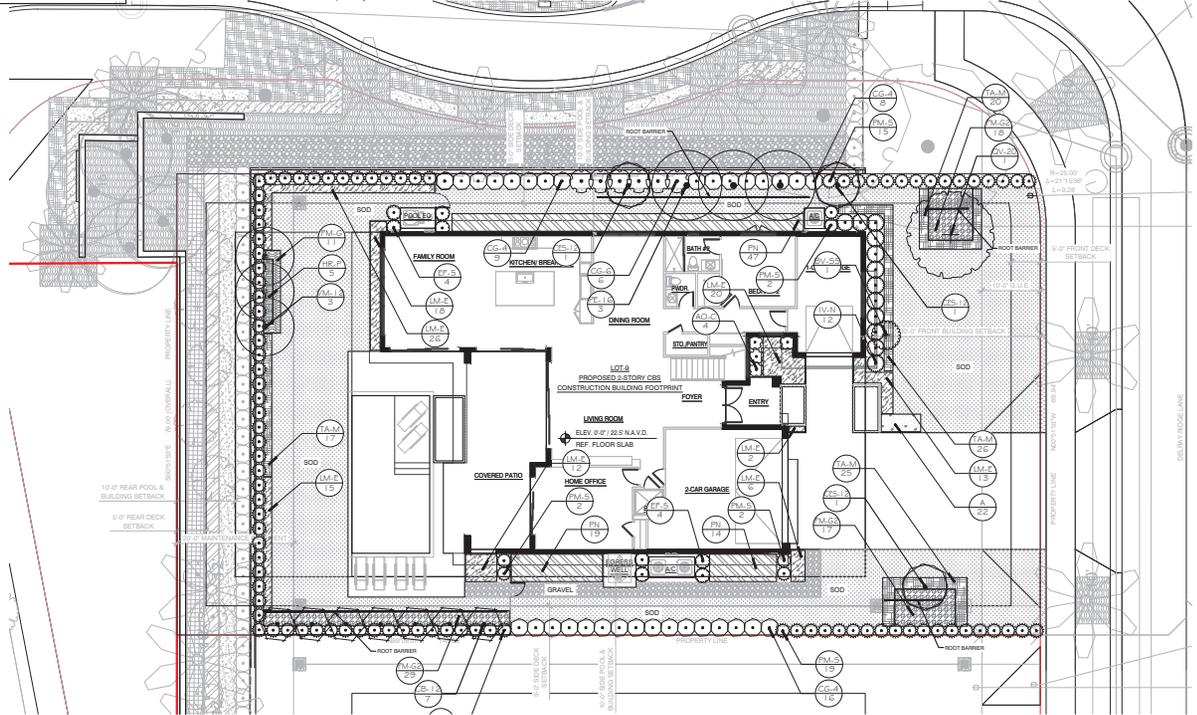
TO PROTECT AGAINST GANODERMA PALM FUNGUS, ALWAYS REMOVE ALL PALM STUMPS FROM PROPERTY.

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	SPD	NATIVE	QTY	REMARKS
	CS-12	<i>Calophyllum brasiliense</i> / Brazilian Beautyleaf	B&B	2.5' CAL	12' HT	12' SPD	NON-NATIVE	7	FLORIDA FANCY, SINGLE LEADER, FULL DENSE, SYMMETRICAL CANOPY. 6" CT. MATCH SUBMIT PHOTO TO LA FOR APPROVAL.
	CES-12	<i>Conocarpus erectus</i> 'Sericeus' / Silver Buttonwood	30G	2' CAL	12' HT	5'-6' SPD	NATIVE	3	DENSE, SYMMETRICAL CANOPY. STRAIGHT TRUNK. MATCHING.
(1) REQUIRED TREE MITIGATION TREE	OV-20	<i>Quercus virginiana</i> / Southern Live Oak	100G	4' CAL	20' HT	10' SPD	NATIVE	1	STANDARD DENSE, SYMMETRICAL, STRAIGHT TRUNK, 8" CT. MATCHING.
(1) REQUIRED TREE (3 PALMS = 1 SHADE)	PALM TREES PE-16	<i>Phycosperma elegans</i> / Alexander Palm	B&B		16' HT	10' SPD	NON-NATIVE	3	SINGLE FULL HEAD, STRAIGHT, UNSCARRED TRUNK. MATCHING, 10" C.T.
	VM-12	<i>Veitchia merrillii</i> / Christmas Palm	FIELD GROWN		12' HT		NON-NATIVE	3	TRIPLE, GRADE #1, HEAVY, GOOD COLOR
	SHRUBS BV-S5	<i>Bougainvillea x Barbara Karst</i> / Barbara Karst Bougainvillea	25G/21"	5' HT	4'-6" W		NATIVE	1	STANDARD, FULL DENSE, SYMMETRICAL HEAD. MATCHING
	CG-6	<i>Clusia guttifera</i> / Small-Leaf Clusia	25G/21"	6' HT	48" W		NON-NATIVE	6	FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE. NO VOIDS
	CG-4	<i>Clusia guttifera</i> / Small-Leaf Clusia	7G/14"	4' HT	30" W		NON-NATIVE	33	FULL TO BASE, LOW BRANCHING, DENSE INTACT FOLIAGE. NO VOIDS
	EF-5	<i>Eugenia foetida</i> / Spanish Stopper	15G/17"	5'-6" HT	30" W		NATIVE	8	FULL DENSE FOLIAGE TO BASE
	IV-N	<i>Ilex vomitoria</i> 'Schillings' / Yaupon Holly	25G/21"	3' HT	36" W		NATIVE	12	TOPIARY SPHERE, FLORIDA FANCY-FULL DENSE FOLIAGE. NO VOIDS. MATCHING
	PM-5	<i>Podocarpus macrophyllus maki</i> / Shrubby Yew	15G/17"	5' HT	24" W		NON-NATIVE	101	FULL DENSE FOLIAGE TO BASE, SHEAR TO 5' HT
	ACCENT AO-C	<i>Alcaesia odora</i> 'California' / Dwarf Elephant Ear	3G/10"	18" HT	24" W		NATIVE	4	FULL DENSE FOLIAGE, INTACT LEAVES
	SHRUB AREAS FM-G2	<i>Ficus microcarpa</i> 'Green Island' / Green Island Ficus	CONTAINER 7G/14"	24"	24"		NON-NATIVE	64	FULL DENSE FOLIAGE, GOOD COLOR
	PN	<i>Psychotria nervosa</i> / Wild Coffee	3G/10"	24"	24"		NATIVE	80	FULL DENSE FOLIAGE TO BASE
	GROUNDCOVERS A	<i>Annalis</i> / Annuals TBS	CONTAINER 4" POT	10"			NATIVE	22	FULL POTS. BLOOMING. TO BE SELECTED BY OWNER AT TIME OF INSTALL
	FM-G	<i>Ficus microcarpa</i> 'Green Island' / Green Island Ficus	3G/10"	16"	14"		NON-NATIVE	11	FULL DENSE FOLIAGE, GOOD COLOR
	HR-P	<i>Hibiscus rosa-sinensis</i> 'Seminole Pink' / Seminole Pink Hibiscus	3G/10"	16"	14"		NON-NATIVE	5	BUSH, FULL DENSE FOLIAGE, FULL TO BASE, GOOD COLOR.
	LME	<i>Liriope muscari</i> 'Emerald Goddess' / Liriope	1G/6"	12"	10"		NON-NATIVE	112	FULL DENSE POTS. GOOD COLOR
	TA-M	<i>Trachelospermum asiaticum</i> 'Minima' / Minima Jasmine	1G/6"	6"	12"		NON-NATIVE	88	FULL POT, DENSE FOLIAGE
	MISC	<i>BOTANICAL / COMMON NAME</i>	QTY						REMARKS
	BIO	Bio Barrier-Type '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-PERMLC 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



1. SUBMITTED	07/14/22
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

NAPA MODEL, Delray Ridge
Delray Beach, FL



Project number: 20-102
Sheet name:

DISCUSSED BY: [Signature]

LANDSCAPE PLAN

Submission: 06/07/22

Scale: 1" = 10'-0"

Sheet number: L-10

1.0 GENERAL

1.1 DESCRIPTION OF WORK:

- A. Extent of landscape development work is shown on the Drawings and in the related Schedules.
- B. The work consists of furnishing all plants, materials, equipment, necessary specialties and labor required for the installation of plant and other materials as shown on the Drawings and/or in the Specifications.
- C. The Contractor shall be grading required to establish elevations shown on the Drawings as not specified in this Section. Refer to earthwork Section.

1.2 REFERENCE PUBLICATIONS:

- A. The following standards form a part of the Specifications:
 - 1. Florida Department of Agriculture "Grades and Standards for Nursery Plants", (most recent edition)
 - 2. American Joint Committee on Horticultural Nomenclature "Standardized Plant Names Dictionary"
 - 3. The American Standard Nursery Book" (2004 edition)
 - 4. American National Standards Institute-ANSI
 - a. ANSI A300 and ANSI Z90.1-most recent edition.

- B. Florida Friendly Best Management Practices for Protection of Water Resources by Green Industries, Florida Dept of Environmental Protection, Rev Dec 2008
- C. IFAS, Institute of Food and Agricultural Sciences, University of Florida.
 - 1. <http://hort.ufl.edu/woody/index.htm>

1.3 INSTALLER - CONTRACTOR QUALIFICATIONS:

- A. The Contractor shall be State licensed and fully engaged in the installation of living plant material. Labor crews shall be controlled and directed by a landscape foreman professionally trained and well versed in landscape installation, plant materials, reading blueprints and coordination between the job and nursery and shall be able to communicate with the Owner and the Landscape Architect.
- B. The Contractor shall be licensed and shall carry any necessary insurance and shall protect the Landscape Architect and Owner against all liabilities or claims or demands or injuries or damage to any person or property growing out of the performance of the work under this contract. All workers shall be covered by Workmen's Compensation Insurance.
- C. The Contractor shall adhere to schedule of submittals.

1.4 COORDINATION:

- A. Coordinate and cooperate with other trades and contractors to enable the work to proceed smoothly and efficiently. Show the Contractor's work to be installed in the presence of the Owner.
- B. Irrigation work shall normally precede plant installation install trees, large B&B material, shrubs and ground cover plants before lawns are installed.
- C. Commencement of Work: The Contractor shall notify Landscape Architect at least 7 days in advance of scheduled commencement of work. Landscape Contractor shall review plans and/or field layouts with Landscape Architect at least 2 days prior to installation or on the site as needed.

1.5 INSPECTION OF SITE:

- A. Prior to the award of the contract, the Contractor shall acquaint himself with all site conditions. Show the Contractor's work to be installed in the presence of the Owner. Drawings be found during excavations, Contractor shall promptly notify the Landscape Architect or Owner for instructions as to further action. Failure to do so will make Contractor liable for any and all claims or demands or injuries or damage subsequent to discovery of such utilities not shown on Drawings.

1.6 PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS:

- A. The Contractor shall take the necessary precautions to protect all persons and property, including the general public from harm or injury due to the work.
- B. The Contractor shall take precautions to protect existing conditions. Should damage to any existing conditions occur, the Contractor shall be responsible for the cost of repair to its original condition or to additional charge.
- C. Utility Locates: Regardless of utilities that may or may not be shown on the drawings, the Contractor shall be responsible to have utilities located in the area of work before the work commences. The Contractor shall also verify and comply with any requirements or clearances or easements that may be required by any utility company.

1.7 CHANGES IN THE WORK:

- A. The Owner reserves the right to substitute, add or delete any material or work as the work progresses. Adjustment to the Contract Sum shall be approved by the Owner. For any change in the work, the Contractor shall be given 7 days written notice for the opportunity to review and approve all plant materials delivered to the job site prior to installation. When unit prices have been established, they shall prevail for all Contract Additions. For any change in the work, the Contractor shall be given 7 days written notice for the opportunity to review and approve all plant materials delivered to the job site prior to installation. When unit prices have been established, they shall prevail for all Contract Additions. For any change in the work, the Contractor shall be given 7 days written notice for the opportunity to review and approve all plant materials delivered to the job site prior to installation. When unit prices have been established, they shall prevail for all Contract Additions.

1.8 OWNERS OBSERVATION:

- A. The Contractor assumes no responsibility for the Contractor's means and methods in the execution of this contract beyond the observation to ensure, to the Contractor's satisfaction, that the Contractor's work is being performed in accordance with the drawings and specifications. This observation and checking will not relieve the Contractor of any responsibility for the performance of his work in accordance with the Drawings and the Specifications (including proper planting practices or other material or performance deficiencies).
- B. The Landscape Architect and Owner reserve the right to reject any portion of the work or workmanship of the Contractor that does not conform to the drawings and specifications set forth herein. Rejected work shall be removed and/or corrected by the Contractor, at his own expense, at the earliest possible time and prior to final payment.

1.9 FAMILIARIZATION WITH OVERALL PROJECT REQUIREMENTS:

- A. Familiarization with Overall Project Requirements: The Contractor shall review and become familiar with the design and construction of the project and the Contractor's work as intended, including but not limited to: Civil engineering and Drainage Plans, Architectural layouts, program access, contractor equipment access, existing and proposed utility locations, Irrigation Plans, Outdoor Lighting Plans, Fencing Plans, Project Sequence and Timing Plans, Town/IOA neighborhood requirements, etc.
- B. Obstructions: The Contractor shall exercise care in digging and other work so as not to damage existing work, including underground pipes, sprinklers, control cables and hydrant watering systems. Should such overhead or underground obstruction be encountered which interferes with planting, the Landscape Architect shall be consulted for consideration for alternate locations of plants to clear such obstructions. The Contractor shall be responsible for the immediate repair of any damage caused by his work.
- C. After notice to proceed, the Contractor shall complete landscape work in a timely manner, as portions of site become available. Actual planting shall be performed only when weather and soil conditions are suitable in accordance with locally accepted practice.
- D. Contractor shall coordinate landscape and planting work with other trades, such as the irrigation (sprinkler) installer, electrician, lighting installer, paving installer, and sod installer. Landscape installation shall not interfere with the proper functioning of the sprinkler system. The Contractor shall point out to the Irrigation installer any obstructions to the installation of the irrigation system. The Contractor shall be most beneficial for the planting as a whole. The Location of existing materials, trees, shrubs and large shrubs shall prevail over irrigation head placement.

1.10 ACCEPTANCE:

- A. All the dissection of the Owner, early acceptance of the work may be obtained for progress payment of approved phases; or when the time between commencement of the work and substantial completion exceeds 90 days, the Contractor shall be responsible for the work as contingent upon a satisfactory inspection of the completed landscape work by the Landscape Architect and/or the Owner.
- B. Substantial Completion of the Work is the point in construction when the Work is sufficiently complete, in accordance with the Contract Documents; all related clean-up has been performed; and the Landscape Architect and Owner are satisfied with the work.
- C. Final Completion is the completion of all work included in the Contract Documents except for the maintenance of the work, the satisfaction of the Owner and the Landscape Architect. The Warranty Period and Maintenance period shall commence upon Final Acceptance.

1.11 WARRANTY PERIOD AND CORRECTION OF THE WORK:

- A. For a period of twelve months from the date of acceptance, all new plant materials except grass shall be alive and healthy, upright and in satisfactory growth for each specific kind of plant. The Contractor shall be responsible for the maintenance of the work as intended.
- B. Plants which are rejected shall be replaced or corrected within two weeks of rejection. The Contractor shall be responsible for the maintenance of the work as intended. The Contractor's new correction of the work period of twelve (12) months shall begin upon replacement and acceptance by the Landscape Architect of all replacement plants, this includes plants which are corrected and/or replaced any time during the warranty period.
- C. The installer shall repair damage to other plants or lawns that occurs during the plant installation.
- D. Plants which have been approved and subsequently die or are damaged by washout, wind storm, traffic, vandalism, or demonstrable failure of the Owner to maintain after Substantial Completion of the Work is not covered in this correction of the work provision.

2.0 PRODUCTS

2.1 MATERIALS LIST:

- A. Plant species and size shall conform with the Plant List and information noted on the Drawings. Information on the drawings control.
- B. The quantities given in the Plant List are intended for the convenience and as a guide for the bidder and does not relieve the bidder of his responsibility to do a comprehensive plant take off from the Drawings. Information on the drawings control.

2.2 PLANT MATERIALS:

- A. All plants shall be nursery grown unless otherwise noted. Plants shall be graded Florida No. 1 or better and shall be sized as outlined under Grades & Standards for Nursery Plants, State Plant Board of Florida. Coconut Palms shall be grown from certified seed.
- B. Collected materials must equal or exceed the measurements specified in the plant list, which are the minimum acceptable sizes. Those plants specified as specimens are to be approved by the Landscape Architect before being brought to the site. Unless otherwise noted on the drawings, these plants shall be Florida Fancy.
- C. Height of plant materials shall be measured from the top of the ball to the top of the plant branches (or fronds). In cluster type plants the main trunk shall meet the height requirement and all other trunks shall be 3/4 or more of the required height unless otherwise noted on the drawings. Where symmetry is required, match plants used as nearly as possible to the satisfaction of the Landscape Architect.

- E. Plants that meet the height requirements specified, but do not have the normal balance of height and spread typical for the respective plant, shall not be accepted.

- F. Abbreviations on the Drawings are as follows:
 - B&B - field grown plant balled and burlapped.
 - CA - caliper/diameter measured @ 1/2" (24 mm) above soil line. For trunks larger than 4" (86.4 mm) diameter, the caliper measurement shall be determined at 12" above soil line.
 - CT - clear trunk measurement from top of ball to first branching.
 - CW - clear wood, in palms the distance from soil line to lowest living frond leaf base.
 - DBH - diameter measured at 4.5' (1.37 m) above ground level.
 - GW - greywood, in palms, mature trunk from ground to base of the green crown shaft.
 - QA - quality of plant from top of ball to top of current seasons growth or last open frond in normal position in palms.

- Spd - spread or average distance across the average diameter of plant branching structure.

- Root packaging: Containers shall be removed from containers shall have a well established root system and shall not be root bound. All plant materials shall be balled and burlapped and dug with firm natural soil. Containers shall be firmly wrapped with similar biodegradable materials and bound with twine, cord or wire mesh. Minimum ball sizes will be in accordance with "Grades & Standards for Nursery Plants". No plant shall be accepted if the root ball has been cracked, broken or root bound.

- All plants which cannot be planted immediately on delivery shall be kept moist and protected from drying winds and sun.

- Containers and Plants: Plants grown in containers will be accepted as "B&B", providing that all other specified requirements are met. Container grown plants shall meet plant sizes as specified on the plant list and shall be covered by container sizes. Minimum root systems. Minimum root balls of container grown materials shall be no more than 25% less proportionately than that stated in latest edition of Florida "Grades & Standards" for nursery plants. Plants shall have been grown in the container for a minimum of 6 months, with a minimum of 12 months of continuous growth throughout when removed from container. There shall be no gridding or circling roots exceeding 50% of circumference.

- I. Substitution: Plant substitution by the Contractor will be considered by Landscape Architect only upon submission of proof that the plant is not obtainable in the type and size specified. Should the specified plant not be available, the Landscape Architect shall determine the nearest equivalent replacement in an obtainable size and variety. The unit price of the substitute item shall be the unit price of the original item.

- 2.3 PLANTING SOIL: Planting soil shall be composed of 70% sand, loam and soil contain a 5% minimum and 15% maximum amount of decomposed organic matter. Planting soil shall be free of rocks, stones, twigs, and other foreign matter. The soil shall be well aerated and packed with weight, on an oven dried basis. Peat shall be delivered to the site in a workable condition free from rocks, stones, twigs, and other foreign matter.

2.4 WATER:

- A. Clean Water for planting will be available at the site and shall be provided by the Owner.
- B. Contractor shall determine the source and suitability of the Owner's water. In the event the water source is not suitable, the Owner shall be given written notice of such at least two weeks prior to the commencement of Work.

2.5 SOIL TESTING:

- A. Micro-Macro International P 707-548-5557 / Fax: 707-548-4891 Web: www.mmlabs.com
- B. 180 Paradise Blvd., Suite 1008, Athens, Georgia 30607

2.6 COMMERCIAL FERTILIZER AND PLANTING AMENDMENTS:

- A. Fertilizer and fertilization rates for the project shall be provided and applied based on the results of the soil test. Follow all Manufacturer's Label Rates and application recommendations.
- B. Commercial fertilizer shall be slow-release organic formulation containing nitrogen, phosphorus and potassium, not to exceed an analysis of 6-6-6. Nitrogen shall be not less than 50% water insoluble, inorganic nitrogen and shall not be derived from the sodium form of nitrate. Iron shall be in the chelated form, not be less than 2% and magnesium shall not be less than 2%. Fertilizers shall be delivered to the site unopened in original containers each bearing the manufacturer's ingredients and guaranteed analysis. Submit a copy of the Manufacturer's guaranteed analysis and proof of delivery to the Landscape Architect. Any fertilizer that becomes caked or otherwise damaged is unacceptable and shall not be used.
- C. Microbial Additives: Mycorrhizal and microbial additives shall provided as specified in the Schedule of Soil amendments. Contractor shall submit a copy of the manufacturer's label product use instructions that include: all ingredients, guaranteed analysis and application rates. All supplements shall be supplied in fresh, unopened packaging prior to product expiration. Product that becomes caked or otherwise damaged is unacceptable and shall not be used.

2.7 MISCELLANEOUS LANDSCAPE MATERIALS:

- A. Mulch: Shredded hardwood mulch grade "A" - verify color. Mulch shall not contain chunks larger than 1 inch (25.4 mm) in diameter, branches, stones or other foreign material that will prevent its eventual decay.
- B. Alternate Mulches: Pine Bark Nuggets - Jumbo size. Pine Straw
- C. Gravel Mulch: Provide samples of all gravels to Landscape Architect for approval prior to ordering. Gravel shall be used only for applications in the plans of the plant and type shown. Uniform otherwise - washed #1 sharp washed river, hard, durable gravel, washed fine sand, clay and other foreign substances. It shall be a minimum of 2" (44.2 mm) deep and shall be contained in a gravel cover. It shall be a minimum of 1/2" (12.7 mm) deep and shall be a minimum of 1/4" (6.3 mm) deep and shall be a minimum of 1/8" (3.2 mm) deep and shall be a minimum of 1/16" (1.6 mm) deep and shall be a minimum of 1/32" (0.8 mm) deep and shall be a minimum of 1/64" (0.4 mm) deep and shall be a minimum of 1/128" (0.2 mm) deep and shall be a minimum of 1/256" (0.1 mm) deep and shall be a minimum of 1/512" (0.05 mm) deep and shall be a minimum of 1/1024" (0.025 mm) deep and shall be a minimum of 1/2048" (0.0125 mm) deep and shall be a minimum of 1/4096" (0.00625 mm) deep and shall be a minimum of 1/8192" (0.003125 mm) deep and shall be a minimum of 1/16384" (0.0015625 mm) deep and shall be a minimum of 1/32768" (0.00078125 mm) deep and shall be a minimum of 1/65536" (0.000390625 mm) deep and shall be a minimum of 1/131072" (0.0001953125 mm) deep and shall be a minimum of 1/262144" (9.765625e-05 mm) deep and shall be a minimum of 1/524288" (4.8828125e-05 mm) deep and shall be a minimum of 1/1048576" (2.44140625e-05 mm) deep and shall be a minimum of 1/2097152" (1.220703125e-05 mm) deep and shall be a minimum of 1/4194304" (6.103515625e-06 mm) deep and shall be a minimum of 1/8388608" (3.0517578125e-06 mm) deep and shall be a minimum of 1/16777216" (1.52587890625e-06 mm) deep and shall be a minimum of 1/33554432" (7.62939453125e-07 mm) deep and shall be a minimum of 1/67108864" (3.814697265625e-07 mm) deep and shall be a minimum of 1/134217728" (1.9073486328125e-07 mm) deep and shall be a minimum of 1/268435456" (9.5367431640625e-08 mm) deep and shall be a minimum of 1/536870912" (4.76837158203125e-08 mm) deep and shall be a minimum of 1/1073741824" (2.384185791015625e-08 mm) deep and shall be a minimum of 1/2147483648" (1.1920928955078125e-08 mm) deep and shall be a minimum of 1/4294967296" (5.9604644775390625e-09 mm) deep and shall be a minimum of 1/8589934592" (2.98023223876953125e-09 mm) deep and shall be a minimum of 1/17179869184" (1.490116119384765625e-09 mm) deep and shall be a minimum of 1/34359738368" (7.450580596921875e-10 mm) deep and shall be a minimum of 1/68719476736" (3.7252902984609375e-10 mm) deep and shall be a minimum of 1/137438953472" (1.86264514923046875e-10 mm) deep and shall be a minimum of 1/274877906848" (9.31322574615234375e-11 mm) deep and shall be a minimum of 1/549755813696" (4.656612873076171875e-11 mm) deep and shall be a minimum of 1/1099511627392" (2.328306436538084375e-11 mm) deep and shall be a minimum of 1/2199023254784" (1.1641532182690421875e-11 mm) deep and shall be a minimum of 1/4398046509568" (5.8207660913452109375e-12 mm) deep and shall be a minimum of 1/8796093019136" (2.91038304567260546875e-12 mm) deep and shall be a minimum of 1/17592186038272" (1.455191522836302734375e-12 mm) deep and shall be a minimum of 1/35184372076544" (7.275957614181513671875e-13 mm) deep and shall be a minimum of 1/70368744153088" (3.63797880709075684375e-13 mm) deep and shall be a minimum of 1/140737488306176" (1.818989403545378421875e-13 mm) deep and shall be a minimum of 1/281474976612352" (9.094947017726892109375e-14 mm) deep and shall be a minimum of 1/562949953224704" (4.5474735088634460546875e-14 mm) deep and shall be a minimum of 1/1125899906449408" (2.27373675443172302734375e-14 mm) deep and shall be a minimum of 1/2251799812898816" (1.136868377215861513671875e-14 mm) deep and shall be a minimum of 1/4503599625797632" (5.6843418860793075684375e-15 mm) deep and shall be a minimum of 1/9007199251595264" (2.84217094303965378421875e-15 mm) deep and shall be a minimum of 1/18014398503190528" (1.421085471519826892109375e-15 mm) deep and shall be a minimum of 1/36028797006381056" (7.105427357599134460546875e-16 mm) deep and shall be a minimum of 1/72057594012762112" (3.5527136787995672302734375e-16 mm) deep and shall be a minimum of 1/144115188025524224" (1.77635683939978361513671875e-16 mm) deep and shall be a minimum of 1/288230376051048448" (8.881784196998918075684375e-17 mm) deep and shall be a minimum of 1/576460752102096896" (4.4408920984994590378421875e-17 mm) deep and shall be a minimum of 1/1152921504204193792" (2.22044604924972951892109375e-17 mm) deep and shall be a minimum of 1/2305843008408387584" (1.110223024624864759460546875e-17 mm) deep and shall be a minimum of 1/4611686016816775168" (5.5511151231243237972302734375e-18 mm) deep and shall be a minimum of 1/9223372033633550336" (2.77555756156216189861513671875e-18 mm) deep and shall be a minimum of 1/18446744067267100672" (1.3877787807810809493075684375e-18 mm) deep and shall be a minimum of 1/36893488134534201344" (6.9388939039054047465378421875e-19 mm) deep and shall be a minimum of 1/73786976269068402688" (3.46944695195270237326892109375e-19 mm) deep and shall be a minimum of 1/147573952581736805376" (1.734723475976351186634460546875e-19 mm) deep and shall be a minimum of 1/295147905163473610752" (8.673617379881755933172302734375e-20 mm) deep and shall be a minimum of 1/590295810326947221504" (4.3368086899408779665861513671875e-20 mm) deep and shall be a minimum of 1/1180591620653894443008" (2.16840434497043898329302734375e-20 mm) deep and shall be a minimum of 1/2361183241307788886016" (1.084202172485219491646513671875e-20 mm) deep and shall be a minimum of 1/4722366482615577772032" (5.42101086242609745832326892109375e-21 mm) deep and shall be a minimum of 1/9444732965231155544064" (2.710505431213048729161134460546875e-21 mm) deep and shall be a minimum of 1/188894659304623110888128" (1.3552527156065243645805672302734375e-21 mm) deep and shall be a minimum of 1/377789318609246221776256" (6.776263578032621822790281134460546875e-22 mm) deep and shall be a minimum of 1/755578637218492443552512" (3.3881317890163109113951401134460546875e-22 mm) deep and shall be a minimum of 1/1511157274436984887104512" (1.69406589450815545569757005672302734375e-22 mm) deep and shall be a minimum of 1/3022314548873969774209024" (8.470329472540777278388880281134460546875e-23 mm) deep and shall be a minimum of 1/6044629097747939548418048" (4.2351647362703886391944401401134460546875e-23 mm) deep and shall be a minimum of 1/12089257995495879096836096" (2.11758236813519431959722007005672302734375e-23 mm) deep and shall be a minimum of 1/24178515990991758193672192" (1.0587911840675971597986100350281134460546875e-23 mm) deep and shall be a minimum of 1/48357031981983516387344384" (5.2939559203379857989930501751401134460546875e-24 mm) deep and shall be a minimum of 1/96714063963967032774688768" (2.64697796016899289949652508751401134460546875e-24 mm) deep and shall be a minimum of 1/193428127927934065549377536" (1.323488980084496449748262543751401134460546875e-24 mm) deep and shall be a minimum of 1/386856255855868131098755072" (6.617444900422482248744131251401134460546875e-24 mm) deep and shall be a minimum of 1/773712511711736262197510144" (3.308722450211241124372206251401134460546875e-24 mm) deep and shall be a minimum of 1/1547425023423472524395020288" (1.6543612251056205621861101251401134460546875e-24 mm) deep and shall be a minimum of 1/3094850046846945048790041728" (8.2718061255281028109305506251401134460546875e-24 mm) deep and shall be a minimum of 1/6189700093693890097580083456" (4.1359030627640514054652751401134460546875e-24 mm) deep and shall be a minimum of 1/1237940018738778019156016912" (2.06795153138202570273262751401134460546875e-24 mm) deep and shall be a minimum of 1/2475880037477556038312033824" (1.03397576569101285136631363751401134460546875e-24 mm) deep and shall be a minimum of 1/4951760074955112076624067648" (5.1698788284550642568331683751401134460546875e-24 mm) deep and shall be a minimum of 1/9903520149910224153248133536" (2.584939414227532128416683751401134460546875e-24 mm) deep and shall be a minimum of 1/1980704029982044306482667072" (1.29246970711376606420833363751401134460546875e-24 mm) deep and shall be a minimum of 1/3961408059964088612965334144" (6.46234853556883032104166663751401134460546875e-24 mm) deep and shall be a minimum of 1/7922816119928177225930668288" (3.231174267784415160520833333751401134460546875e-24 mm) deep and shall be a minimum of 1/1584563223945635445186133376" (1.5155871338922075802604166663751401134460546875e-24 mm) deep and shall be a minimum of 1/316912644789127089037226752" (7.5779356694610379013020833333751401134460546875e-24 mm) deep and shall be a minimum of 1/633825289578254178074453504" (3.78896783473051895065104166663751401134460546875e-24 mm) deep and shall be a minimum of 1/126765057915650835614889088" (1.9444839173652594753255066663751401134460546875e-24 mm) deep and shall be a minimum of 1/253530115831301671229778176" (9.718419586826297376627533333751401134460546875e-24 mm) deep and shall be a minimum of 1/507060231662603342459556352" (4.85920979341314868831366663751401134460546875e-24 mm) deep and shall be a minimum of 1/1014120463325206684919126704" (2.429604896706574344168333333751401134460546875e-24 mm) deep and shall be a minimum of 1/2028240926650413369838253408" (1.214802448353287172084166663751401134460546875e-24 mm) deep and shall be a minimum of 1/4056481853300826739676506816" (6.074012241766435860420833333751401134460546875e-24 mm) deep and shall be a minimum of 1/8112963706601653479353013632" (3.0370061208832179302104166663751401134460546875e-24 mm) deep and shall be a minimum of 1/16225927413203306958706067264" (1.5185030604416089651020833333751401134460546875e-24 mm) deep and shall be a minimum of 1/32451854826406613817412133528" (7.5925153022080448255104166663751401134460546875e-24 mm) deep and shall be a

Tree Disposition and Mitigation

This Table is available in Excel. Please contact Jae Eun Kim by Kim@mydeltravbeach.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 virginiana	22	79	Vine	
361	Live Oak	Quercus virginiana	23	40	Severe co-dom with inclusion	
363	Live Oak	Quercus virginiana	16.5	70	Co-canopy	
369	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, vine
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	20	Co-canopy, power lines, trunk decay
50	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	20	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		13	5	Tall stump
60	Sunshin Cherry	Eugenia uniflora		6.5	10	Cat 1, FLEPPC 2019 Invasive Plant List
81	Mango	Mangifera indica		23	20	Major decay throughout
82	Mango	Mangifera indica		7	20	
83	Mango	Mangifera indica		8	20	
85	Mango	Mangifera indica		6	20	
100	Loquat	Eriobotrya japonica		40	Sub-canopy	
104	Mango	Mangifera indica		6.5	20	
111	Avocado	Persea americana		13	20	Decay in scaffold, co-canopy, hollow trunk
112	Golden Rain	Koeleria paniculata		10	10	Lat rashed, stump sprout
119	Black Sapote	Diospyros nigra		11	20	Tip dieback, sparse foliage, leaved
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
123	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
124	Ficus	Ficus microcarpa		100	40	Loquat
125	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
126	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
127	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
128	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
129	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
130	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
131	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
132	Ficus	Ficus microcarpa		100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying
134	Mango	Mangifera indica		14	20	Major decay in scaffold, co-canopy, storm damage
139	Mango	Mangifera indica		13.5	20	Decay in scaffold and trunk, co-canopy
140	Mango	Mangifera indica		6	15	Sub-canopy
151	Mango	Mangifera indica		20	20	Co-canopy, decay in scaffold, hardwood vines
153	Mango	Mangifera indica		11	5	Major storm damage, tall stump
154	Sausage	Kigelia africana		14	10	Tip dieback
155	Mango	Mangifera indica		14	10	Tip dieback
156	Mango	Mangifera indica		8	20	
158	Mango	Mangifera indica		40	20	Major storm damage, major decay throughout
159	Gumbo Limbo	Bursera simaruba		11	20	
161	Mango	Mangifera indica		10.5	30	Co-canopy
163	Mango	Mangifera indica		13.5	30	Co-canopy
164	Gumbo Limbo	Bursera simaruba		9	15	Sub-canopy
167	Mango	Mangifera indica		24	40	Co-canopy, gridding root
168	Strawberry Guava	Psidium cattleianum		9	10	Cat 1, FLEPPC 2019 Invasive Plant List, Sub canopy, dead wood, severe co-dom
171	Mango	Mangifera indica		8	20	
172	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 leaved
180	Royal Poinciana	Delonix regia		13	30	
181	Fond Apple	Annona gabra		21	20	Decay in trunk, ganoderma, storm damage
189	Mango	Mangifera indica		15	20	
191	Sea Grape	Coccoloba uvifera		15	20	DBT total all trunks, sub-canopy
194	Mango	Mangifera indica		27	20	Dying
196	Mango	Mangifera indica		46	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		36	20	Multi trunk, part of # 200, 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
215	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 Crepe Myrtle	Lagerstrœmia speciosa		12.5	20	Co-canopy, major storm damage
254	Sea Grape	Coccoloba uvifera		18	20	Sub-canopy, multi trunk
260	Elephant Apple	Dillenia indica		8	20	
270	Carambola	Averrhoa carambola		12	20	Major decay in trunk
272	Black Sapote	Diospyros nigra		14	20	Co-canopy
276	Jacaranda	Jacaranda mimifolia		14	20	
280	Mango	Mangifera indica		13	20	Co-canopy
281	Mango	Mangifera indica		11	20	Co-canopy
289	Black Sapote	Diospyros nigra		6.5	15	Co-canopy, storm damage
293	Jack Egense	Diospyros nigra		30	20	Severe co-dom, storm damage, sub canopy
302	Mastic	Protia lentissima		16	20	Co-canopy, major trunk damage, decay in trunk
303	Salvander Tree	Antidesma bunius		6	20	Sub-canopy
304	Salvander Tree	Antidesma bunius		20.5	10	Major storm damage, major decay in trunk scaffolds
305	Avocado	Persea americana		18	20	Decay in scaffolds, decay in trunk
306	Mango	Mangifera indica		9.75	20	Sub-canopy
309	Salvander Tree	Antidesma bunius		7	10	Major storm damage
310	White Nut	Uhdi chinensis		30	40	Decay in scaffold
311	Mango	Mangifera indica		12	20	Severe co-dom with inclusion
313	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	Frunk americana		20	30	DBH total all trunks, stump sprout
110	Salvander Tree	Antidesma bunius		17	10	Sub-canopy, severe co-dom
320	Salvander Tree	Antidesma bunius		13	30	Co-canopy
221	Jamaican Allspice	Pimenta dioica		6.5	20	Severe co-dom
322	Elephant Apple	Dillenia indica		6	20	
324	Elephant Apple	Dillenia indica		6.5	10	
325	Elephant Apple	Dillenia indica		2.9	20	Severe co-dom with inclusion
334	Levat	Eriobotrya japonica		6.5	20	Co-canopy
337	Hawaiian Mountain Apple	Syzygium malaccense		8	20	
340	Broom Cluster Fig	Ficus sur		8	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	20	
381	Sea Grape	Coccoloba uvifera		30	10	DBH total all trunks, multiple hat-cracked events, major decay
384	Sea Grape	Coccoloba uvifera		60	20	DBH total all trunks, tall stump sprouted, major decay
386	Sea Grape	Coccoloba uvifera		60	20	DBH 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	
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	Commoner's Plum	Flacourtia indica		10.5	20	Co-canopy, severe decay in trunk
398	Hawaiian Mountain Apple	Syzygium malaccense		6	20	DBH total both trunks
399	Mango	Mangifera indica		14.5	30	
400	Avocado	Persea americana		7.5	20	
401	Mango	Mangifera indica		11.5	30	
403	Avocado	Persea americana		9	20	
404	Strawler Fig	Ficus sur		14	20	
405	Sausage	Kigelia africana		17.5	20	Sub-canopy
406	Mango	Mangifera indica		23	20	DBH total both trunks, Severe co-dom
407	Sausage	Kigelia africana		17	20	Sub-canopy, severe co-dom
412	Tropic Almond	Terminalia catappa		44	30	Co-canopy, major storm damage
425	Gumbo Limbo	Bursera simaruba		17	30	Co-canopy, severe co-dom
426	Gumbo Limbo	Bursera simaruba		4	20	Sever co-dom, storm damage
440	African Tulip	Spathodea campanulata		8.75	20	
441	African Tulip	Spathodea campanulata		24	20	DBH total all trunks, multi leader
450	Ficus	Ficus microcarpa		11.5	20	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	
461	Mango	Mangifera indica		8.5	30	Co-canopy
464	Mango	Mangifera indica		8	20	Co-canopy, storm damage
465	Loquat	Eriobotrya japonica		17	20	Co-canopy
466	Ficus	Ficus microcarpa		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	20	Major storm damage
479	Queen's Crepe Myrtle	Lagerstrœmia speciosa		5	20	Sub-canopy

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	Fond Apple	Annona gabra		10	10	Major deadwood, dying
503	Mango	Mangifera indica		18	20	Co-canopy
505	Mango	Mangifera indica		5	10	Sub-canopy
507	Avocado	Persea americana		27	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		20	20	Major decay throughout, power lines, very poor structure
523	Hawaiian Mountain Apple	Syzygium malaccense		5.5	30	Cat 1, FLEPPC 2019 Invasive Plant List, co canopy
531	Autograph	Chusquea indica		13	40	Major decay in scaffolds, severe co-dom, powerlines
534	Autograph	Chusquea indica		24	20	Major decay throughout, power lines, very poor structure
561	Sea Grape	Coccoloba uvifera		60	30	DBH total all trunks, co-canopy, multi trunk, very poor structure
562	Sausage	Kigelia africana		26	30	Co-canopy, severe co-dom
32	Gumbo Limbo	Bursera simaruba		13	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	Tyler Nut	Lacis chinensis		14	70	
179	Mango	Mangifera indica		31	70	
204	Elephant Apple	Dillenia indica		13	60	
212	Seagrape	Mangifera indica		30.5	50	
217	Seagrape	Mangifera indica		17	70	
267	Jacaranda	Jacaranda mimifolia		17	50	
342	Gumbo Limbo	Bursera simaruba		15	50	
362	Live Oak	Quercus virginiana		16	70	Co-canopy
368	Japan pine	Pinus Elliotti		4	30	Co-canopy
408	Royal Poinciana	Delonix regia		20	70	Many live live
446	Live Oak	Quercus virginiana		18.5	50	Spans foliage
450	Gumbo Limbo	Bursera simaruba		6.25	60	
500	Mango	Mangifera indica		12	50	Co-canopy
501	Albipice	Pimenta dioica		7.5	70	
504	Strawler Fig	Ficus sur		23	50	Storm damage

Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating	Comments
1	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
2	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
3	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
4	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
5	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
6	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
7	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
8	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
9	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
10	Australian Pine	Casuarina equisetifolia	N/A	N/A	N/A	

TREE #	COMMON NAME	SCIENTIFIC NAME	HEIGHT	Clear Trunk	Condition Rating	Comments
151	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
160	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
162	Scheffera	Brassia 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
232	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
239	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
241	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
247	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
268	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
284	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
336	Scheffera	Brassia 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
460	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	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
488	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
523	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
640	Scheffera	Brassia actinophylla	N/A	N/A	N/A	Cat 1, FLEPPC 2019 Invasive Plant List
556	Scheffera	Brassia 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 DBH of Trees with Condition Rating < 50% to be Removed: 316.8 DBH inches

Tree #	Common Name	Scientific Name	Height	Clear Trunk	Condition Rating < 50%	Comments
133	Royal Palm	Roystonea regia	21	4	40	
252	Adonidia Palm	Adonidia merrillii	18	12	20	Decay in trunk
258	Foxtail Palm	Wodyetia bifurcata	16	8	30	
291	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
15	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List, 45 degree lean
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
33	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	60	
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
193	Sabal Palm	Sabal palmetto	16	10	70	
209	Sabal Palm	Sabal palmetto	18	12	70	
206	Sabal Palm	Sabal palmetto	18	12	70	
207	Dypsis leptochlois	Teddy Bear Palm	18	10	70	
408	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	
218	Sabal Palm	Sabal palmetto	14	8	70	
220	Sabal Palm	Sabal palmetto	14	8	70	
224	Sabal Palm	Sabal palmetto	16	10	70	
232	Adonidia Palm	Adonidia merrillii	18	10	60	
242	Adonidia Palm	Adonidia merrillii	16	10	60	
235	Adonidia Palm	Adonidia merrillii	21	15	60	
247	Adonidia Palm	Adonidia merrillii	17	11	70	
254	Royal Palm	Roystonea regia	22	12	20	
255	Adonidia Palm	Adonidia merrillii	20	14	60	
263	Adonidia Palm	Adonidia merrillii	14	8	70	
264	Royal Palm	Roystonea regia	29	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	60	
327	Adonidia Palm	Adonidia merrillii	20	14	70	
338	Adonidia Palm	Adonidia merrillii	25	19	60	
328	Adonidia Palm	Adonidia merrillii	20	14	60	
332	Adonidia Palm	Adonidia merrillii	14	8	50	
334	Adonidia Palm	Adonidia merrillii	23	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	60	
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
390	Sabal Palm	Sabal palmetto	13	9	70	No tag
437	Sabal Palm	Sabal palmetto	15	9	70	No tag
373	Adonidia Palm	Adonidia merrillii	20	14	70	
374	Adonidia Palm	Adonidia merrillii	16	10	60	
377	Bismarckia 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	Lococorn Palm	Coccotheca lucida	21	11	80	Cat 2, FLEPPC 2019 Invasive Plant List
392	Coconut Palm	Cocos nucifera	26	16	70	
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.

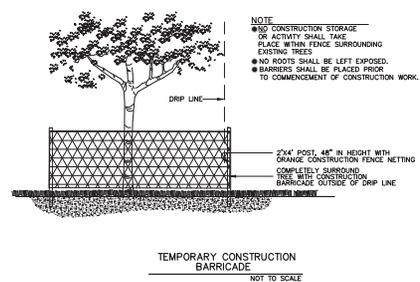
Relocated Trees shall be braced for at least one year or until establishment.

Relocated Trees shall be watered sufficiently and fertilized until the Tree growth is reestablished. All relocated Trees shall have TerraSor and aggregate 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

DATE	03/16/21
BY	GAH
REVISIONS	
FILE NAME	8577.PDF

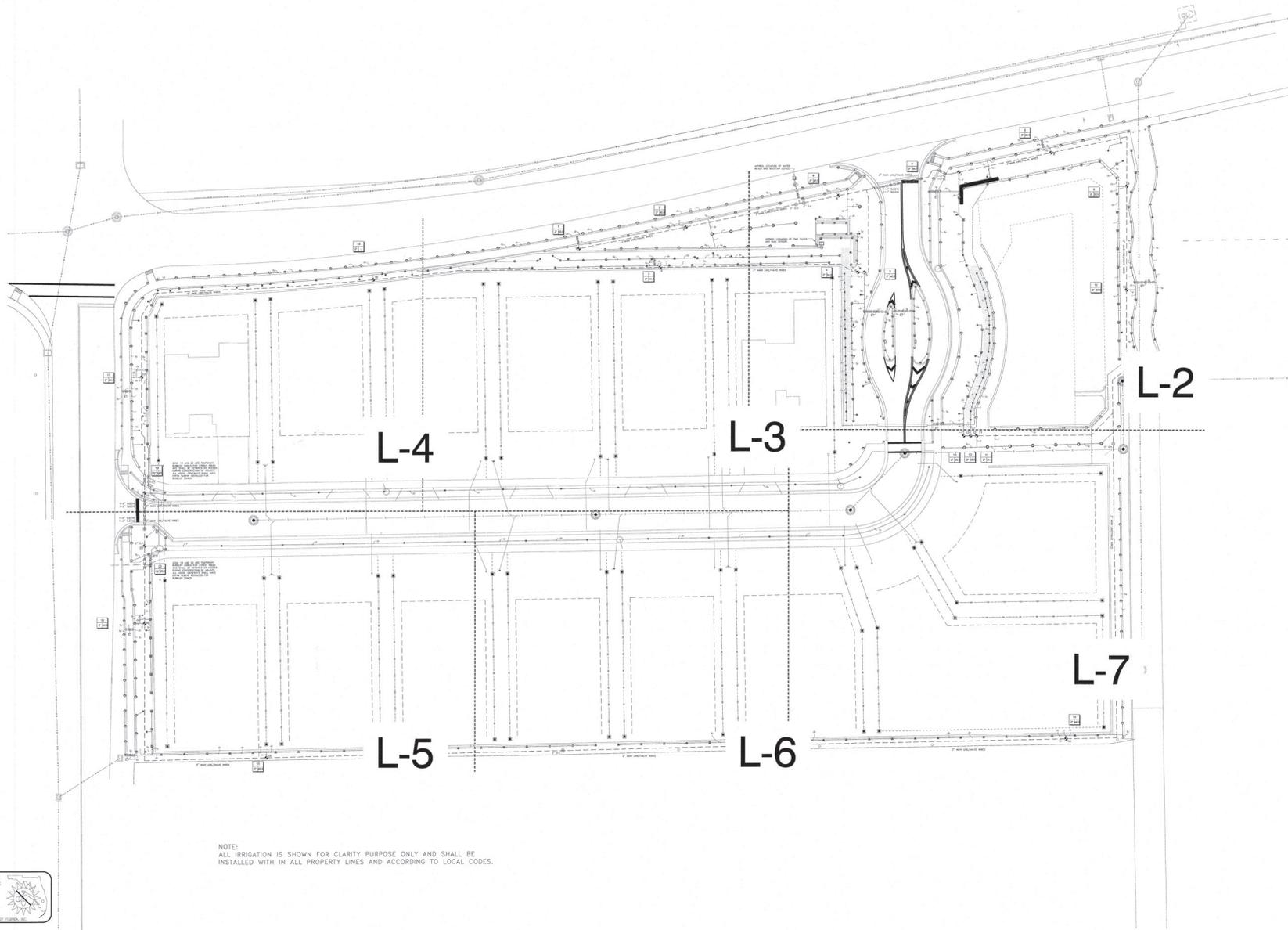
CAULFIELD & WHEELER, INC.
 CIVIL ENGINEERING SURVEYING
 LANDSCAPE ARCHITECTURE
 7000 GLADE ROAD - SUITE 100
 BOCA RATON, FLORIDA 33434
 PHONE: (561) 362-1891 / FAX: (561) 362-1452

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	22	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	21	11	60	
481	Sabal Palm	Sabal palmetto	15	9	70	
483	Sabal Palm	Sabal palmetto	14	8	70	
484	Sabal Palm	Sabal palmetto	15	9	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	16	10	70	
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	
525	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	4
T-222	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	Royal Palm	2
T-253	Roystonea regia	Royal Palm	1
T-268	Roystonea regia	Royal Palm	4
T-318	Wodyetia bifurcata	Foxtail Palm	7
T-344	Adonidia merrillii	Adonidia Palm	3
T-345	Adonidia merrillii	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 merrillii	Adonidia Palm	7
T-376	Adonidia merrillii	Adonidia Palm	7
T-409	Phoenix carolinensis	Canary Date Palm	4
T-410	Livistona chinensis	Chinese Fan Palm	1
T-411	Livistona chinensis	Chinese Fan Palm	1
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 merrillii	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	Ro		



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
 Pphone: 561.498.1611

Sheet Description:
 Irrigation Design

SEAL:

Project:
 Delray Ridge
 Delray Beach
 Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

DRAWN BY: D&D

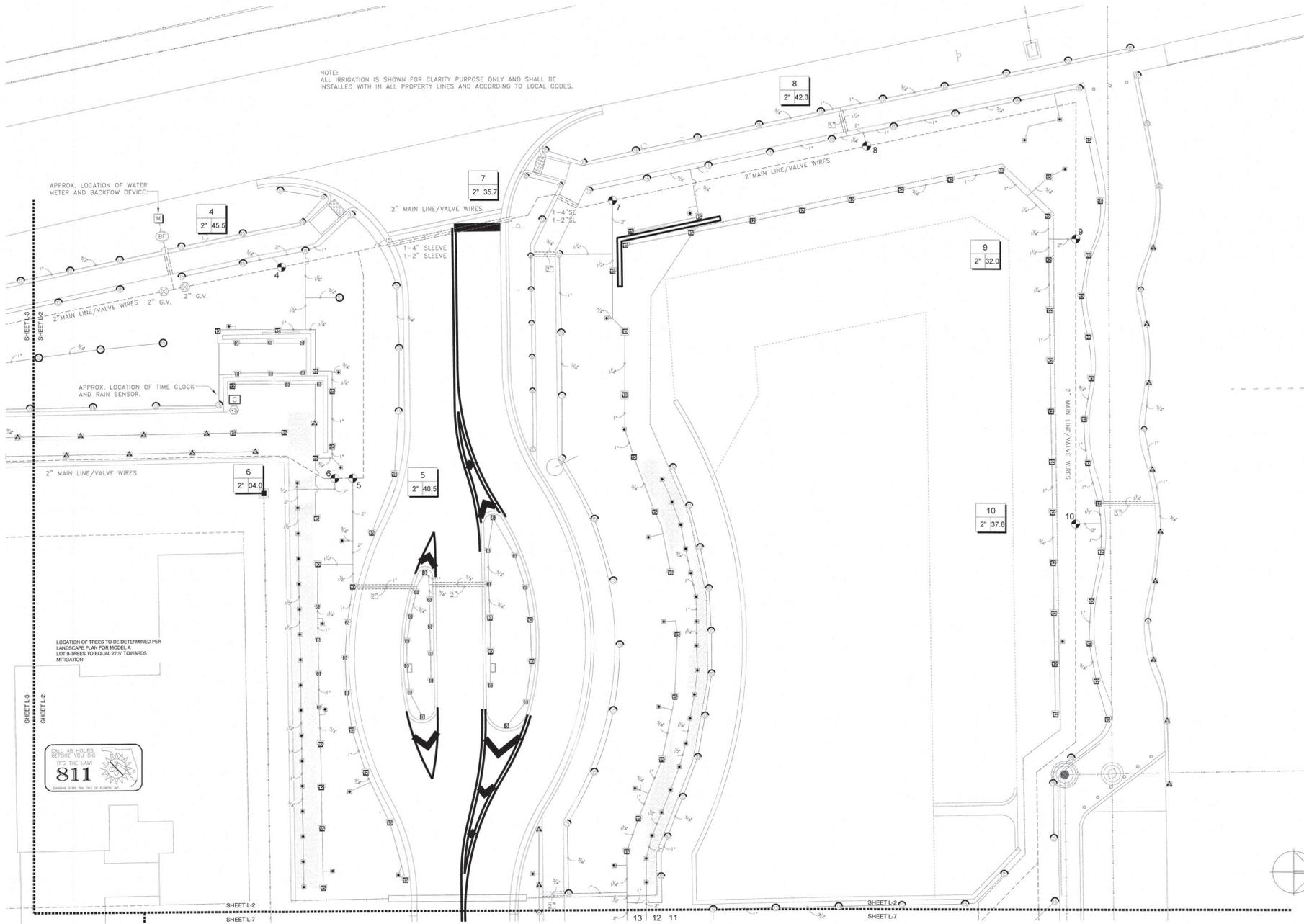
CHECKED BY: B.B.

SCALE: 1"=30'

SHEET:
 IR-1

OF-8

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
P: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22
DWG: Ridge
DRAWN BY: NSD
CHECKED BY: B.B.
SCALE: 1"=10'
SHEET: IR-2

OF-8



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

Sheet Description:
Irrigation Design

SEAL:

Project:
**Delray Ridge
 Delray Beach
 Florida**

REVISIONS:

DATE: 05-06-22

DWG: Ridge

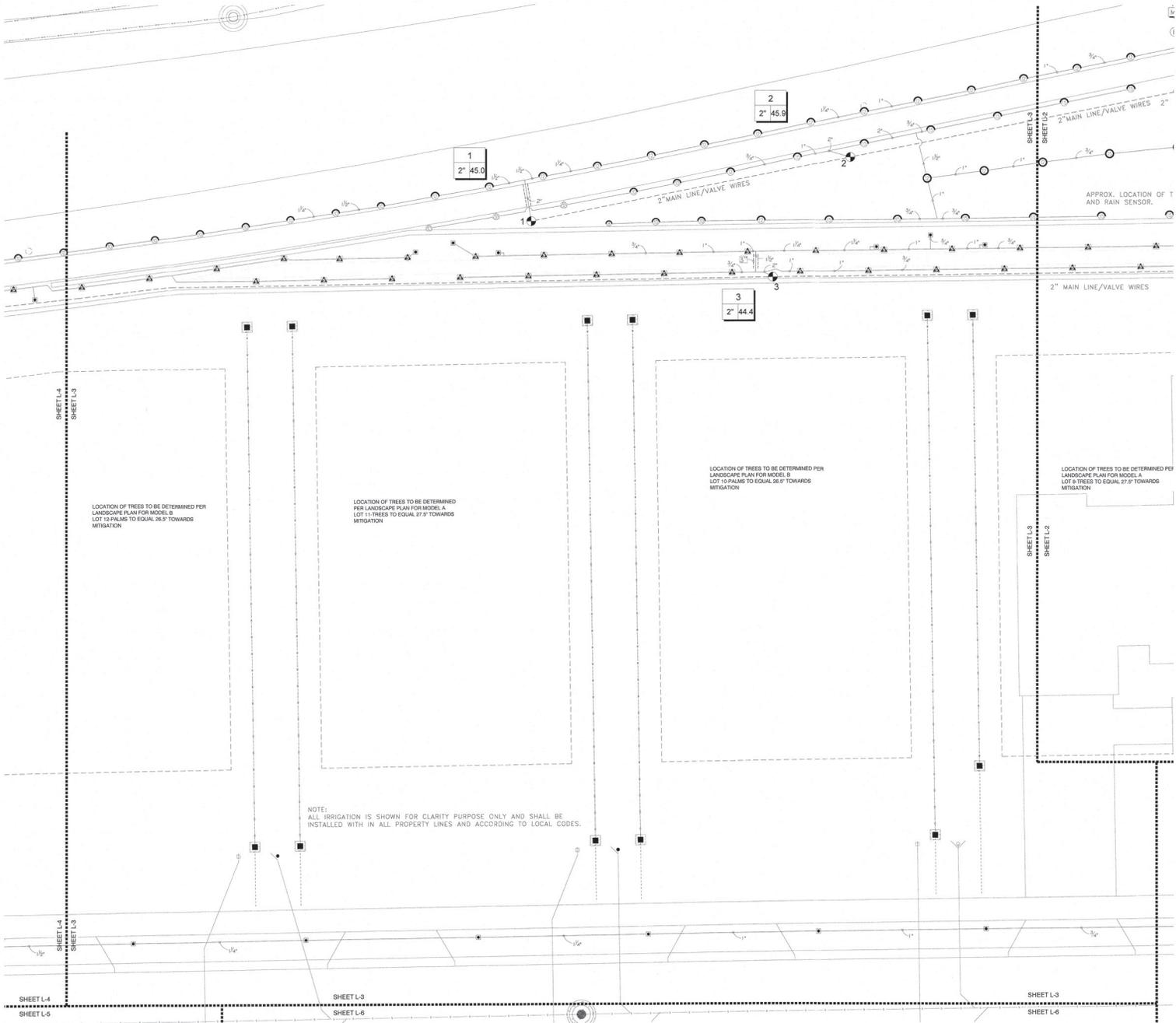
DRAWN BY: DSD

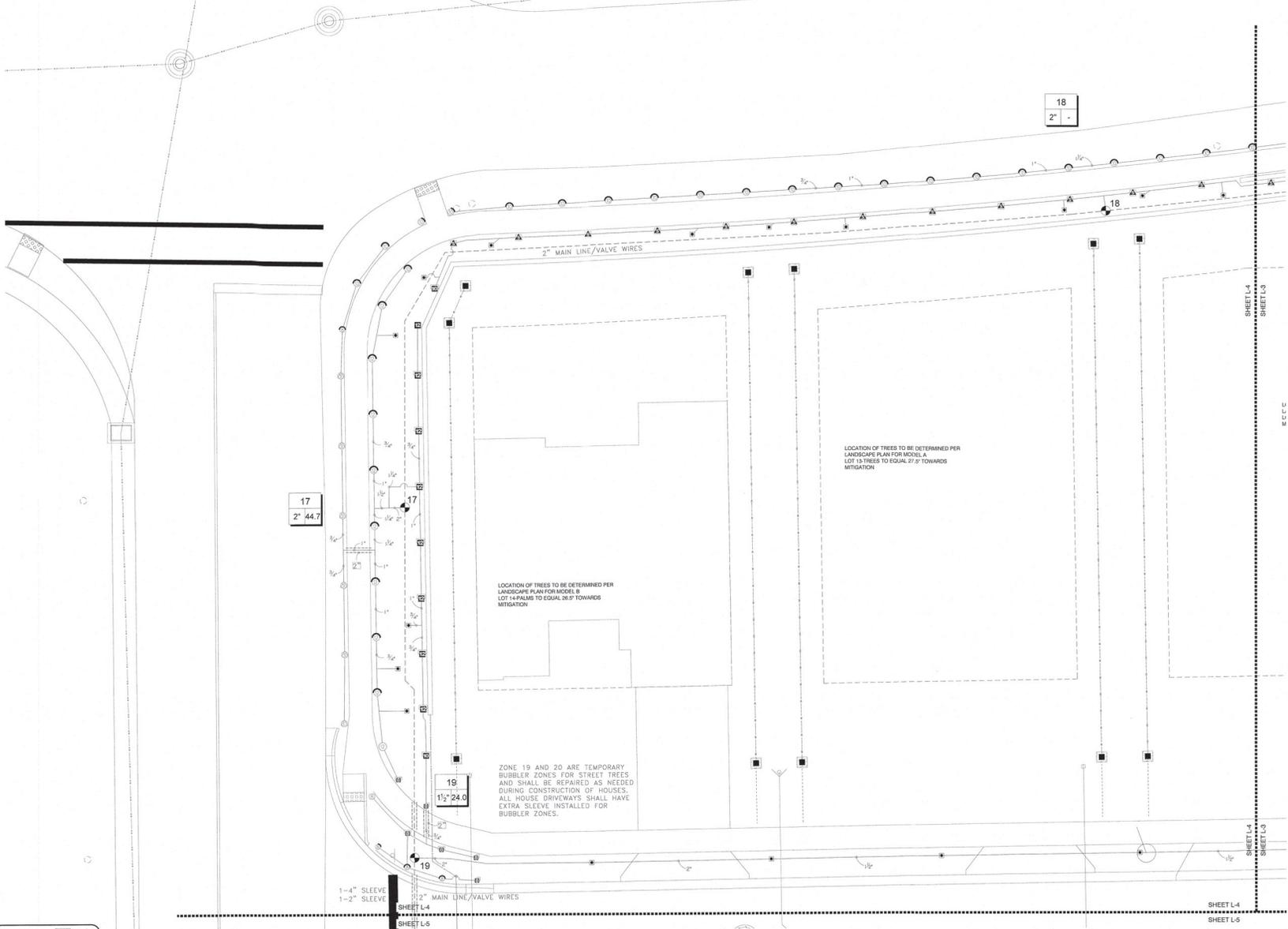
CHECKED BY: B.B.

SCALE: 1"=10'

SHEET:
IR-3

OF-8





17
2" 44.7

18
2" 44.7

19
1 1/2" 24.0

LOCATION OF TREES TO BE DETERMINED PER LANDSCAPE PLAN FOR MODEL B LOT 14 PALMS TO EQUAL 28.9' TOWARDS MITIGATION

ZONE 19 AND 20 ARE TEMPORARY BUBBLER ZONES FOR STREET TREES AND SHALL BE REPAIRED AS NEEDED DURING CONSTRUCTION OF HOUSES. ALL HOUSE DRIVEWAYS SHALL HAVE EXTRA SLEEVE INSTALLED FOR BUBBLER ZONES.

LOCATION OF TREES TO BE DETERMINED PER LANDSCAPE PLAN FOR MODEL A LOT 15 TREES TO EQUAL 27.9' TOWARDS MITIGATION

1-4" SLEEVE
1-2" SLEEVE
2" MAIN LINE/VALVE WIRES

SHEET L-4
SHEET L-5

SHEET L-4
SHEET L-5

RECC

SHEET L-4
SHEET L-5

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

DRAWN BY: D&D

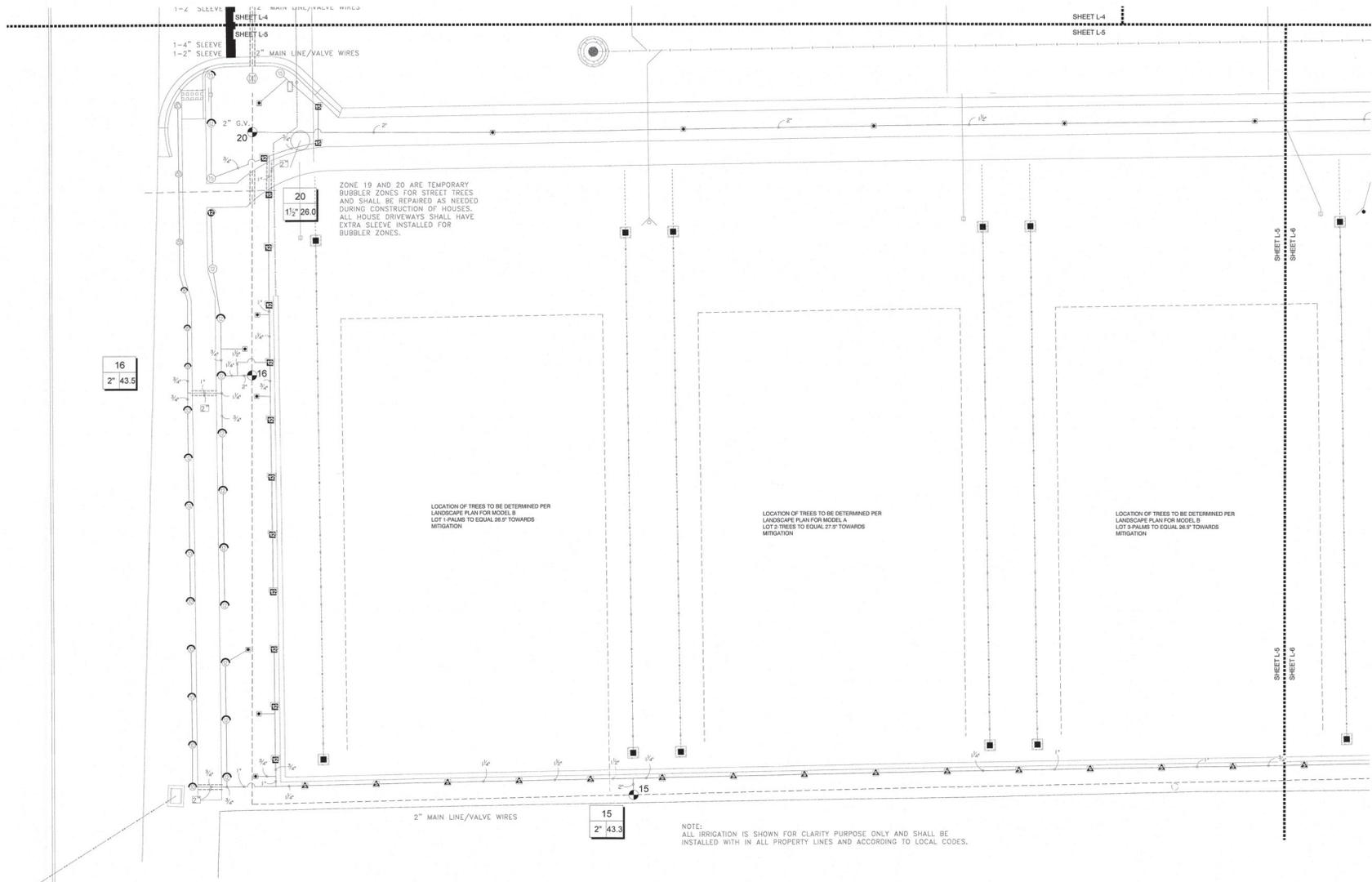
CHECKED BY: R.B.

SCALE: 1"=10'

SHEET: IR-4

OF-8





16
2' 43.5

20
11.5' 28.0

15
2' 43.3

ZONE 19 AND 20 ARE TEMPORARY BUBBLER ZONES FOR STREET TREES AND SHALL BE REPAIRED AS NEEDED DURING CONSTRUCTION OF HOUSES. ALL HOUSE DRIVEWAYS SHALL HAVE EXTRA SLEEVE INSTALLED FOR BUBBLER ZONES.

LOCATION OF TREES TO BE DETERMINED PER LANDSCAPE PLAN FOR MODEL B LOT 1 PALMS TO EQUAL 28.9' TOWARDS MITIGATION

LOCATION OF TREES TO BE DETERMINED PER LANDSCAPE PLAN FOR MODEL A LOT 2 TREES TO EQUAL 27.2' TOWARDS MITIGATION

LOCATION OF TREES TO BE DETERMINED PER LANDSCAPE PLAN FOR MODEL B LOT 3 PALMS TO EQUAL 28.9' TOWARDS MITIGATION

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
Pphone: 561.498.1611

Sheet Description:
Irrigation Design

SEAL:

Project:
Delray Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22

DWG: Ridge

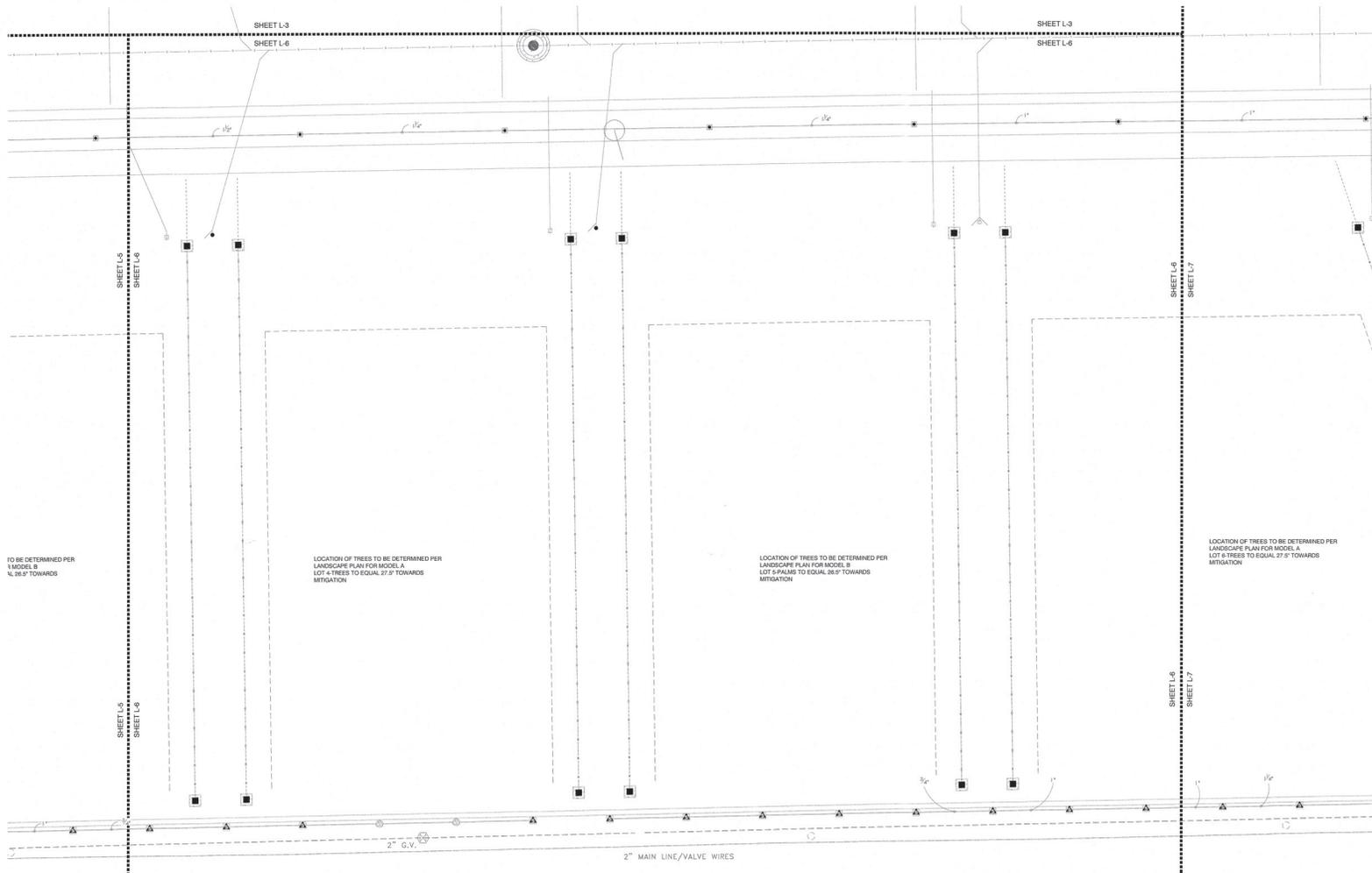
DRAWN BY: DSD

CHECKED BY: B.B.

SCALE: 1"=10'

SHEET: IR-5

OF-8



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:
Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22
DWG: Ridge
DRAWN BY: DSD
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

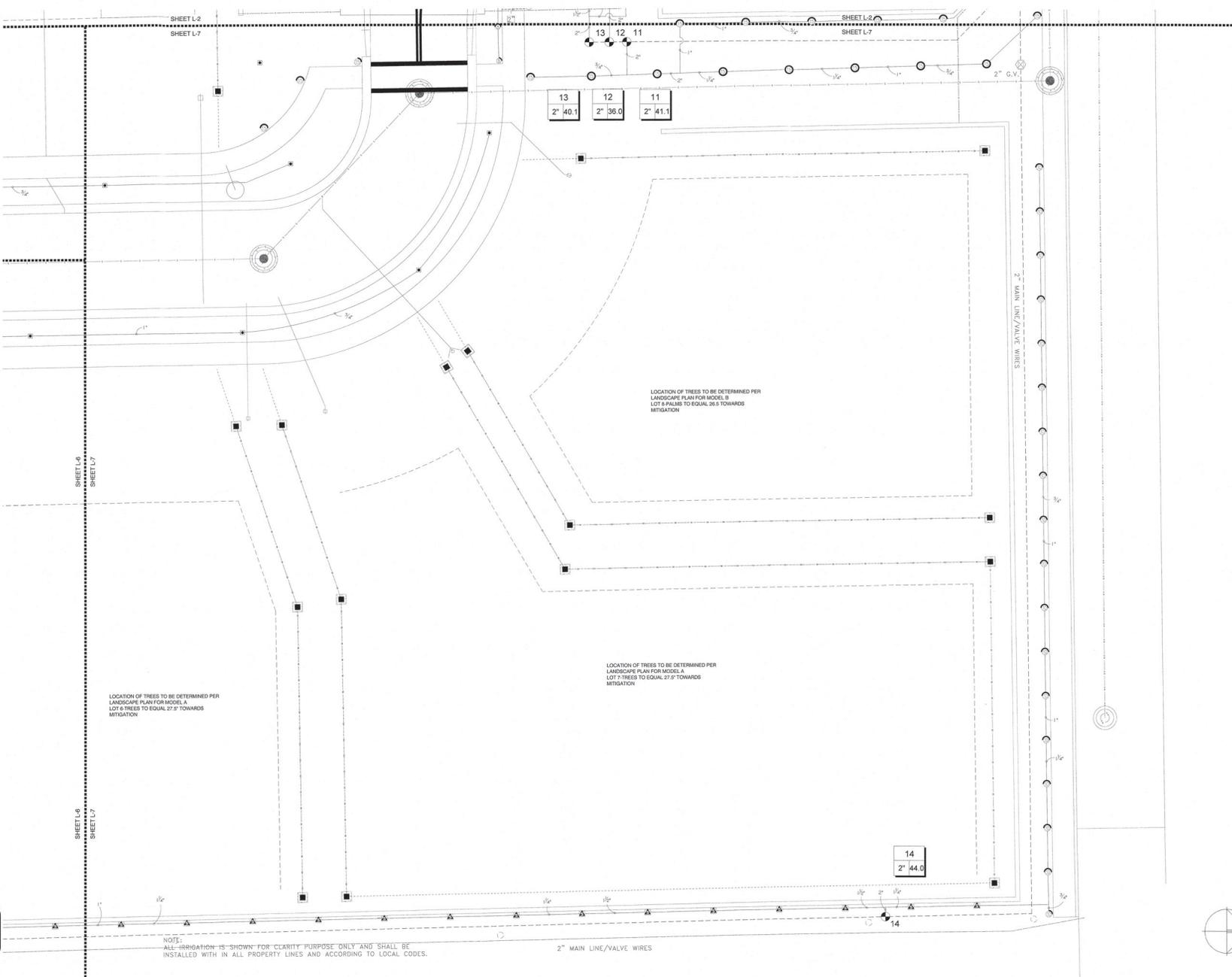
DRAWN BY: DSD

CHECKED BY: B.B.

SCALE: 1"=10'

SHEET:
IR-2

OF-8

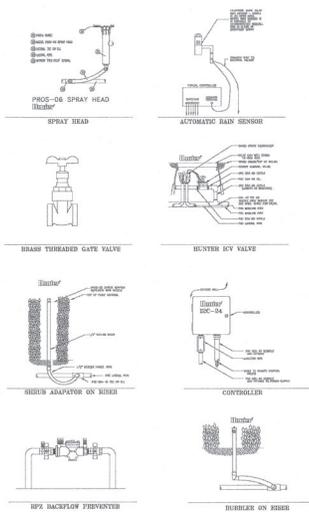
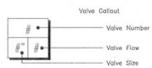


NOTE:
 ALL IRRIGATION IS SHOWN FOR CLARITY PURPOSE ONLY AND SHALL BE INSTALLED WITH IN ALL PROPERTY LINES AND ACCORDING TO LOCAL CODES.

2" MAIN LINE/VALVE WIRES

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.
	Hunter PROS-06 10' radius Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-06 12' radius Turf Spray, 6.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-06 15' radius 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 5' strip spray Shrub Spray, 12.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-12 12' radius Shrub Spray, 12.0' Pop-Up. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 5' strip spray Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 8' radius Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 10' radius Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 12' radius Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 15' radius Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PROS-00 Adjustable Arc Shrub Spray, Fixed Riser. Co-molded wiper seal with UV Resistant Material.
	Hunter PCB 10 Flood Bubbler, 1/2" FIPT.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter ICV-G 1", 1 1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.
	Nibco T-113 Class 125 bronze gate manual control valve with wheel handle, same size as mainline pipe diameter at valve location. Size Range - 1" - 3"
	Fabco 82BY 2 Reduced Pressure Backflow Preventer
	Hunter I2C-2400 PL 24 Station Outdoor Modular Controller. With two ICM 800 Module Commercial Use. Plastic Cabinet.
	Hunter MMS-CLK Rain Sensor, mount as noted
	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 soil 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 wrongly 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 craining, 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

SCALE:

Project:
Ridge
Delray Beach
Florida

REVISIONS:

DATE: 05-06-22
DWG: Ridge
DRAWN BY: DSD
CHECKED BY: BR.
SCALE: N.T.S.
SHEET: IR-2

OF-8