

RECEIVED
By yfigueroa at 2:53 pm, Jul 11, 2023



View to Existing Front Facade



View to Existing Driveway



View to Existing Driveway



View to West Side Yard



View to Existing Back Yard



View to Existing East Yard

ENVIRONMENT
DESIGN
GROUP
139 North County Road 5020-8 Palm Beach, FL 33480
Phone: 561.832.4600 Mobile: 561.313.4424
Landscape Architecture
Land Planning
Landscape Management
Dustin M. Mizell, M.L.A. P.L.A. #6666784
Dustin@environmentdesigngroup.com

Private Residence
292 Orange Grove Road
Palm Beach

F L O R I D A

JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L1.0

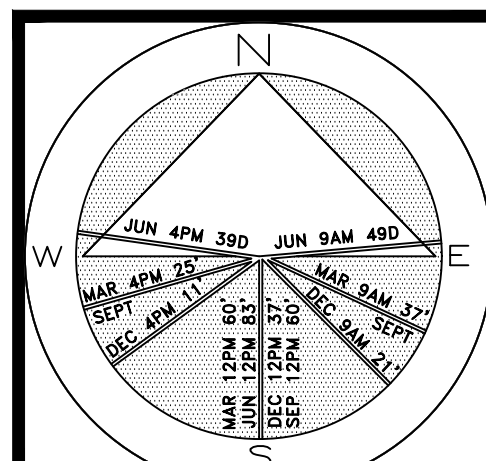
COPYRIGHT: 2023
The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

DISCLAIMER: 2023
Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

ARCOM# ARC-23-088
Existing Site Photos

Private Residence
292 Orange Grove Road
Palm Beach

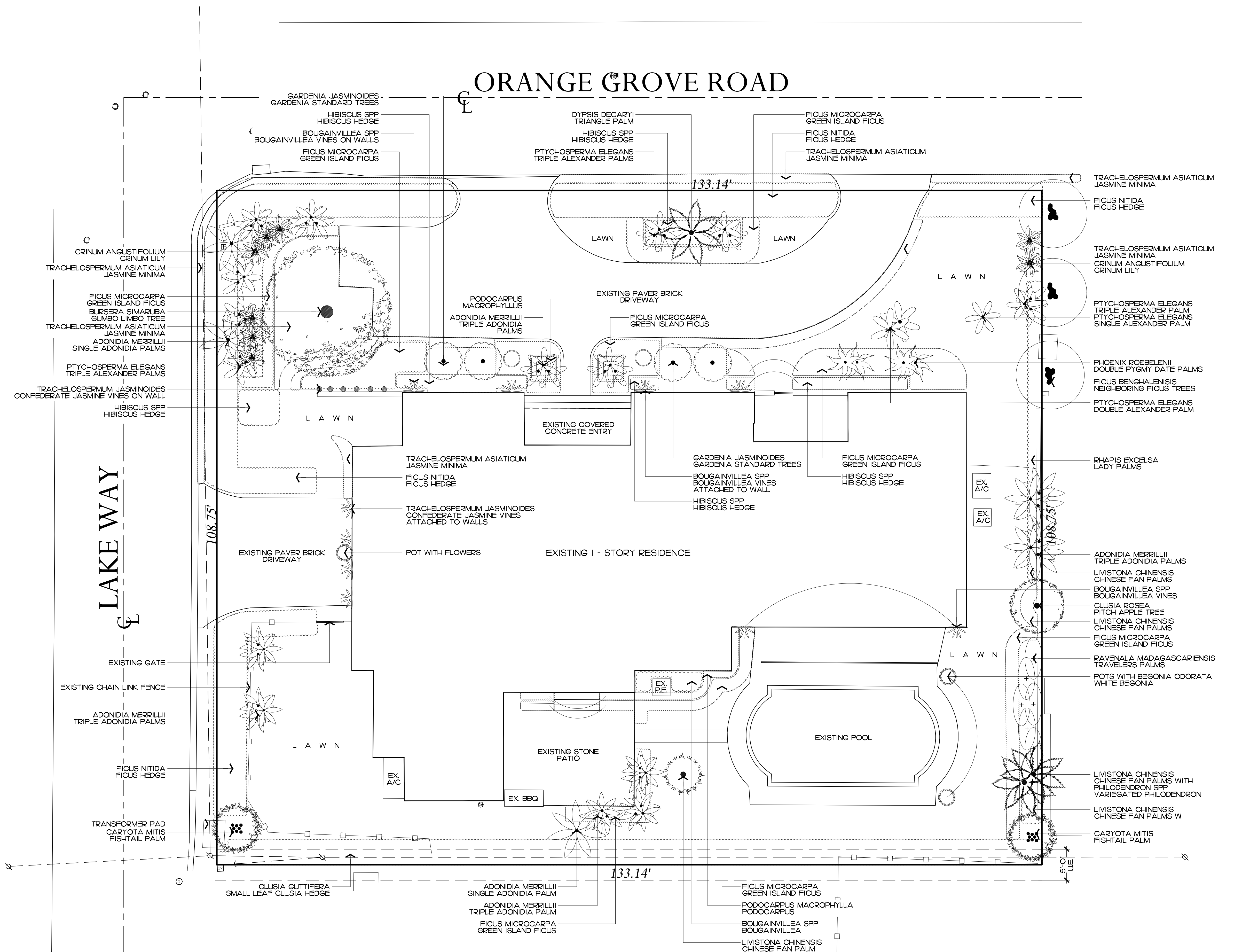


JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L2.0

64 sf.

AREA IN SQ.FT.

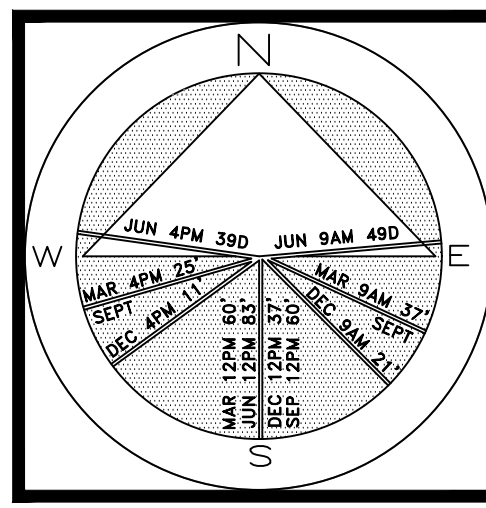


2023
COPYRIGHT: The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

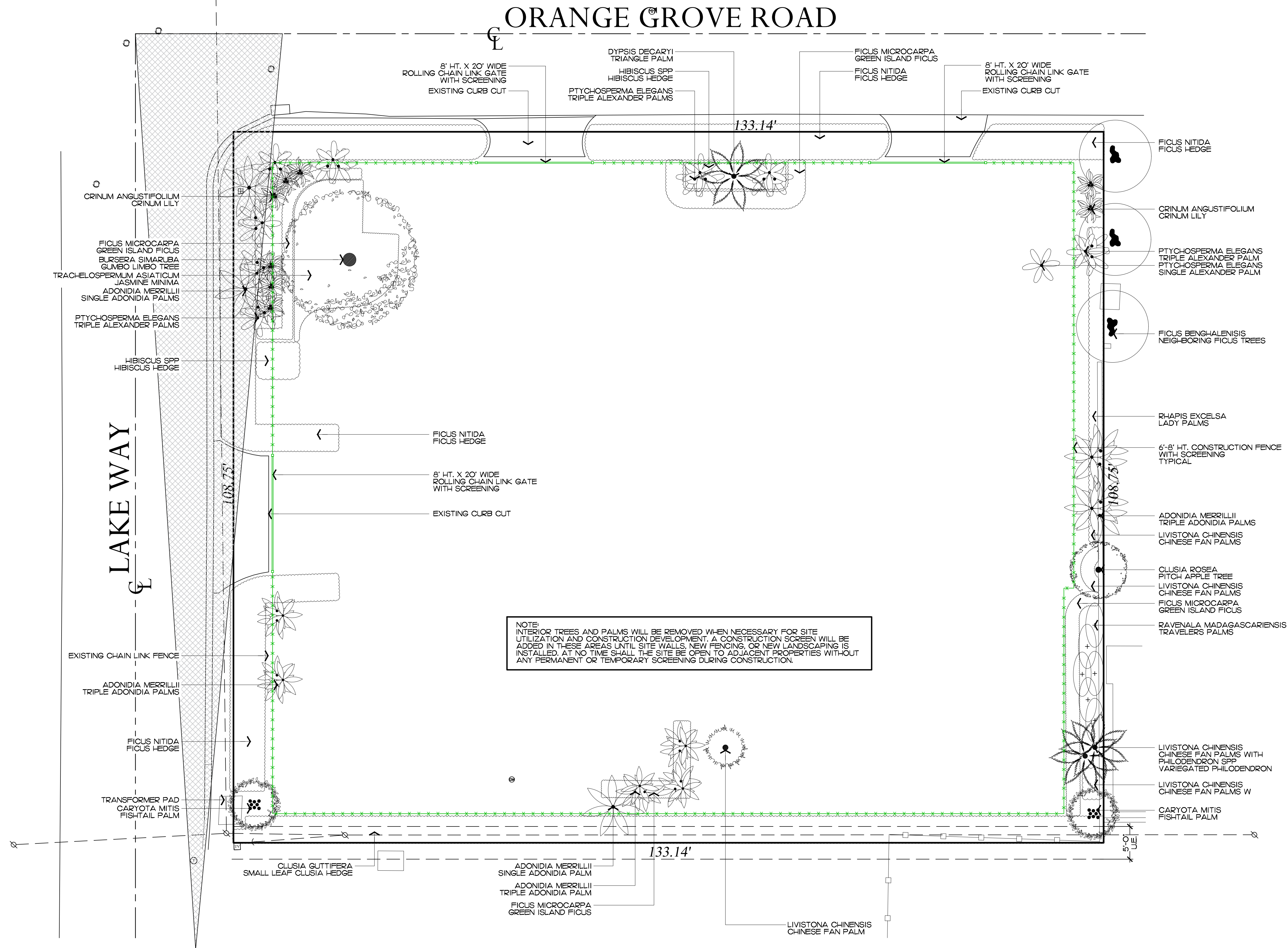
2023
DISCLAIMER: Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

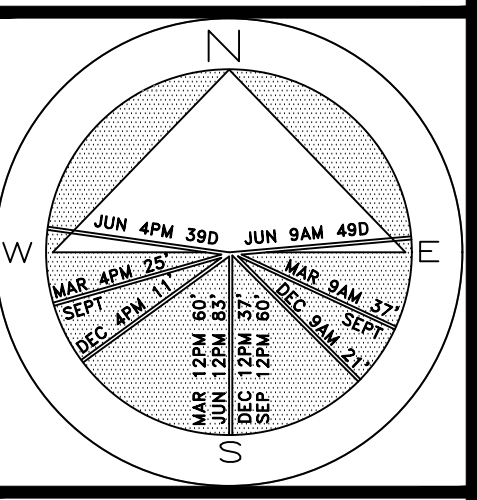
ARCOM# ARC-23-088
Existing Vegetation Inventory & Action Plan
SCALE IN FEET 0' 8' 16' 24'



SHEET L3.C



Private Residence
292 Orange Grove Road
Palm Beach



JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L4.0



Existing North Buffer



Existing North Buffer



Existing North Buffer



Existing South Buffer



Existing South Buffer



Existing South Buffer



Existing East Buffer



Existing East Buffer



Existing East Buffer



Existing West Buffer

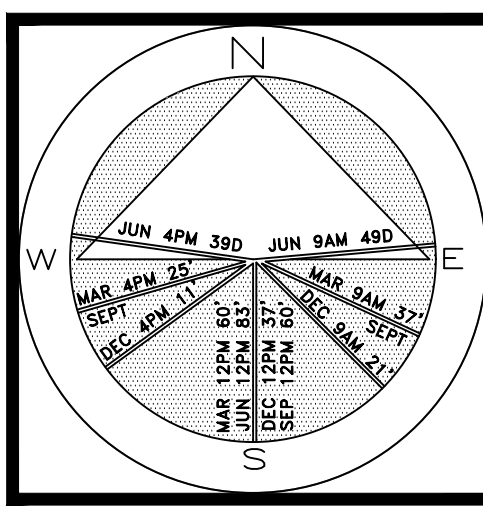


Existing West Buffer



Existing West Buffer

Private Residence
292 Orange Grove Road
Palm Beach



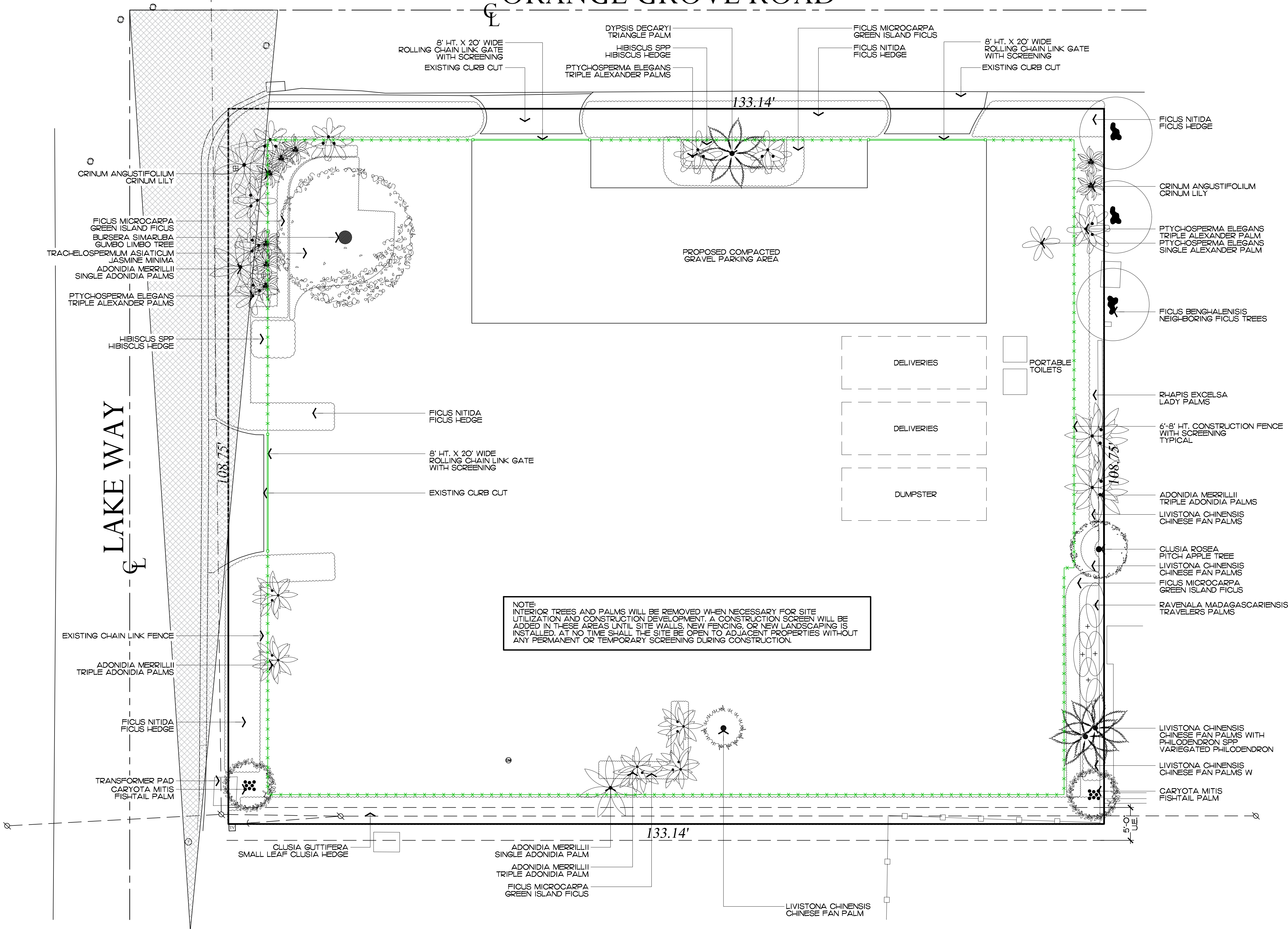
JOB NUMBER: # xxxxx.00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L5.0

64 sf.

AREA IN SQ. FT.

ORANGE GROVE ROAD



NOTE:
INTERIOR TREES AND PALMS WILL BE REMOVED WHEN NECESSARY FOR SITE UTILIZATION AND CONSTRUCTION DEVELOPMENT. A CONSTRUCTION SCREEN WILL BE ADDED IN THESE AREAS UNTIL SITE WALLS, NEW FENCING, OR NEW LANDSCAPING IS INSTALLED. AT NO TIME SHALL THE SITE BE OPEN TO ADJACENT PROPERTIES WITHOUT ANY PERMANENT OR TEMPORARY SCREENING DURING CONSTRUCTION.

ARCOM# ARC-23-088

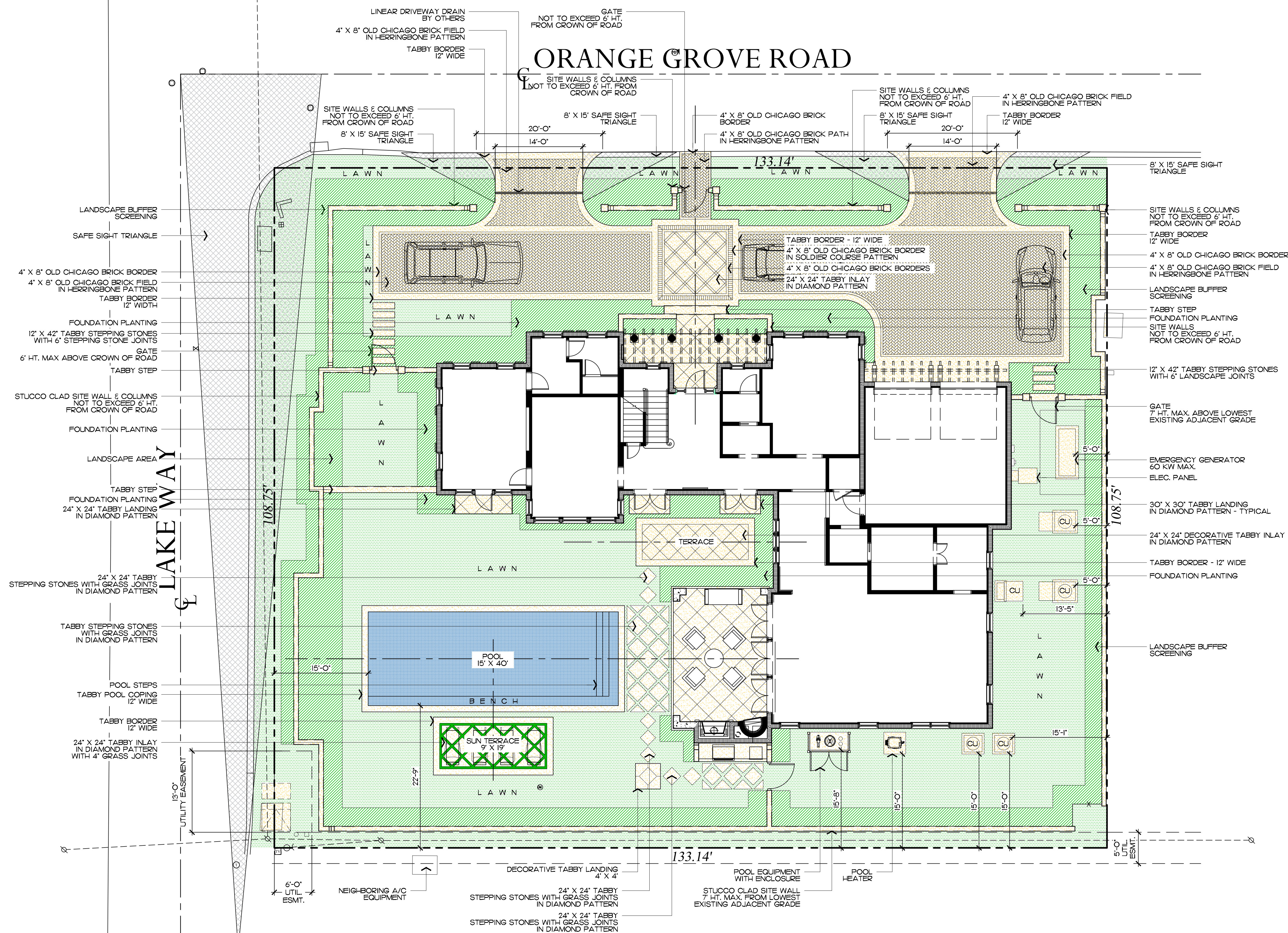
Construction Staging Plan

SCALE IN FEET 0' 8' 16' 24'

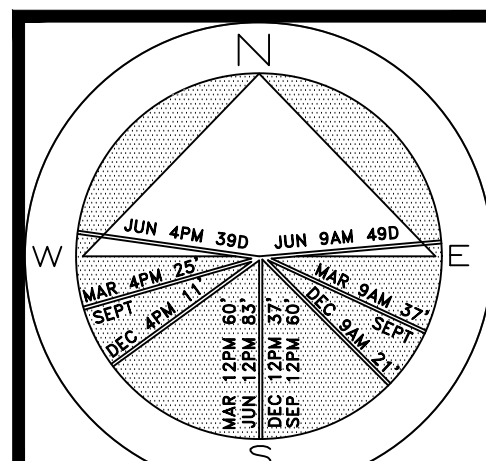
2023
COPYRIGHT: The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

2023
DISCLAIMER: Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.



Private Residence
292 Orange Grove Road
Palm Beach



JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 04.24.2023
05.11.2023
05.30.2023
07.11.2023

SHEET L7.0

2023
COPYRIGHT: The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

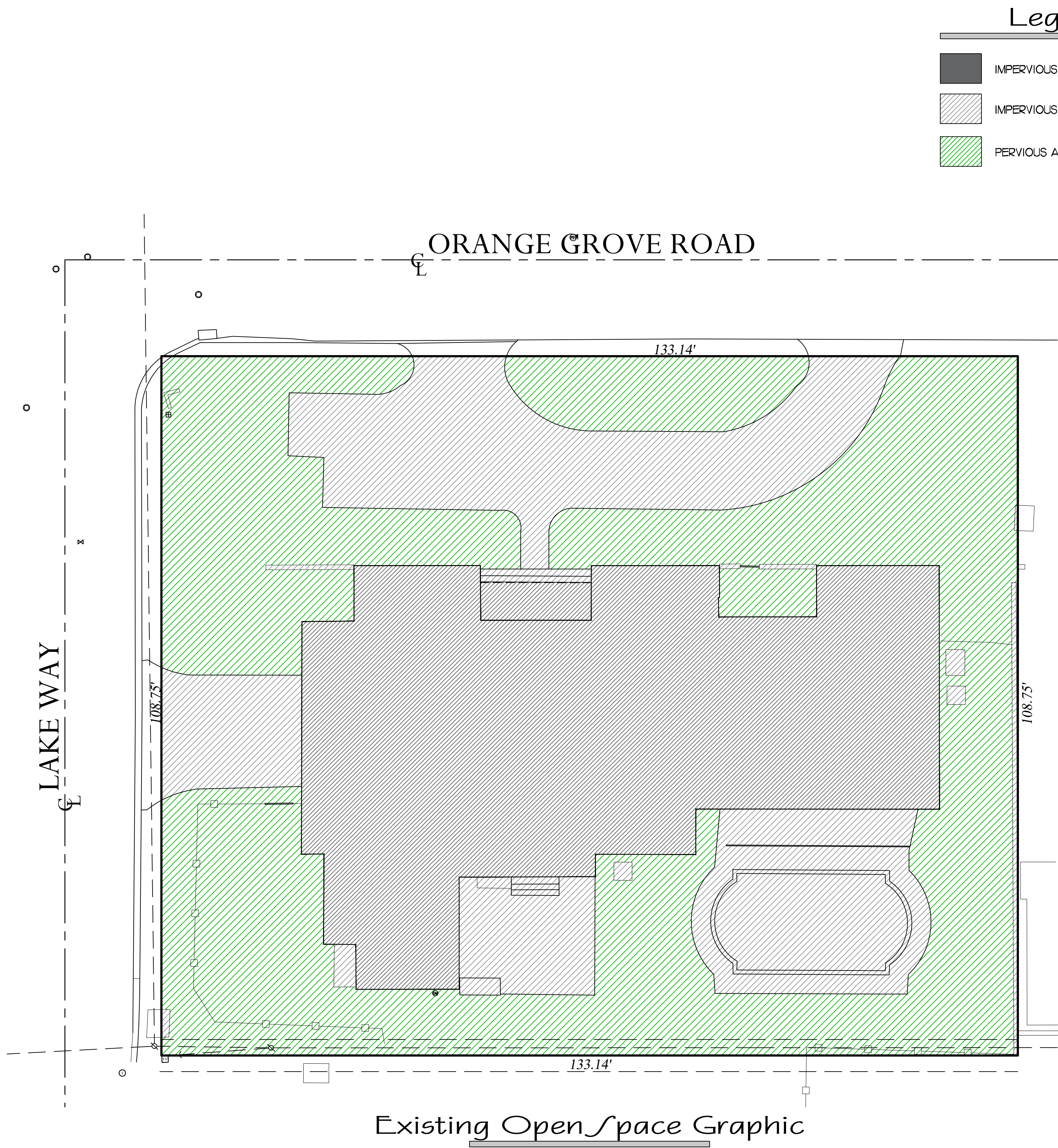
2023
DISCLAIMER: Construction on the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

ARCOM# ARC-23-088
Site Plan
SCALE IN FEET 0' 8' 16' 24'

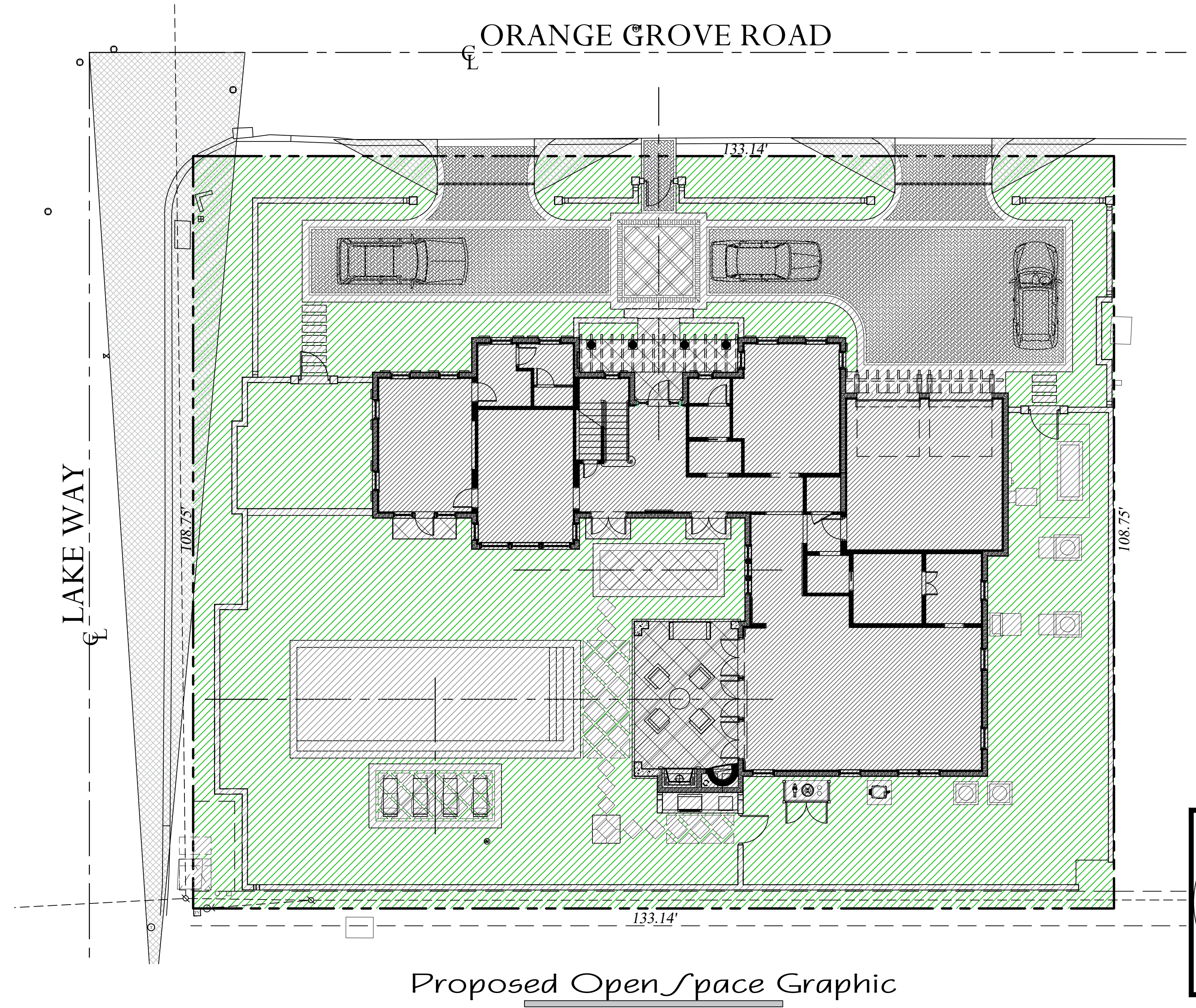
64 sf.

AREA IN SQ.FT.



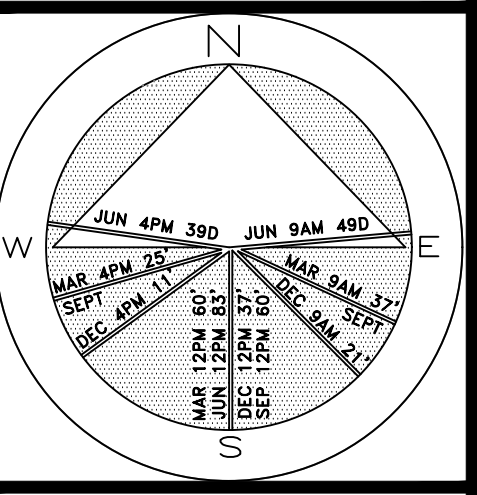
Existing Site Data

DESCRIPTION	REQUIRED	EXISTING
LOT ZONE		R-B - LOW DENSITY RESIDENTIAL
LOT AREA	10,000 S.F. MINIMUM	14,479 S.F.
OPEN / PERMEABLE SPACE	MINIMUM 45% 6,515.55 S.F.	47.5% 6,876 S.F.
FRONT YARD LANDSCAPE	MINIMUM 40% OF FRONT YARD 1,331.40 S.F.	56.4% 1,876 S.F.
PERIMETER LANDSCAPE WITHIN 10' OF PROPERTY LINE	MINIMUM 50% OF REQ'D OPEN SPACE 3,257.5 S.F.	86.2% 3,824 S.F.



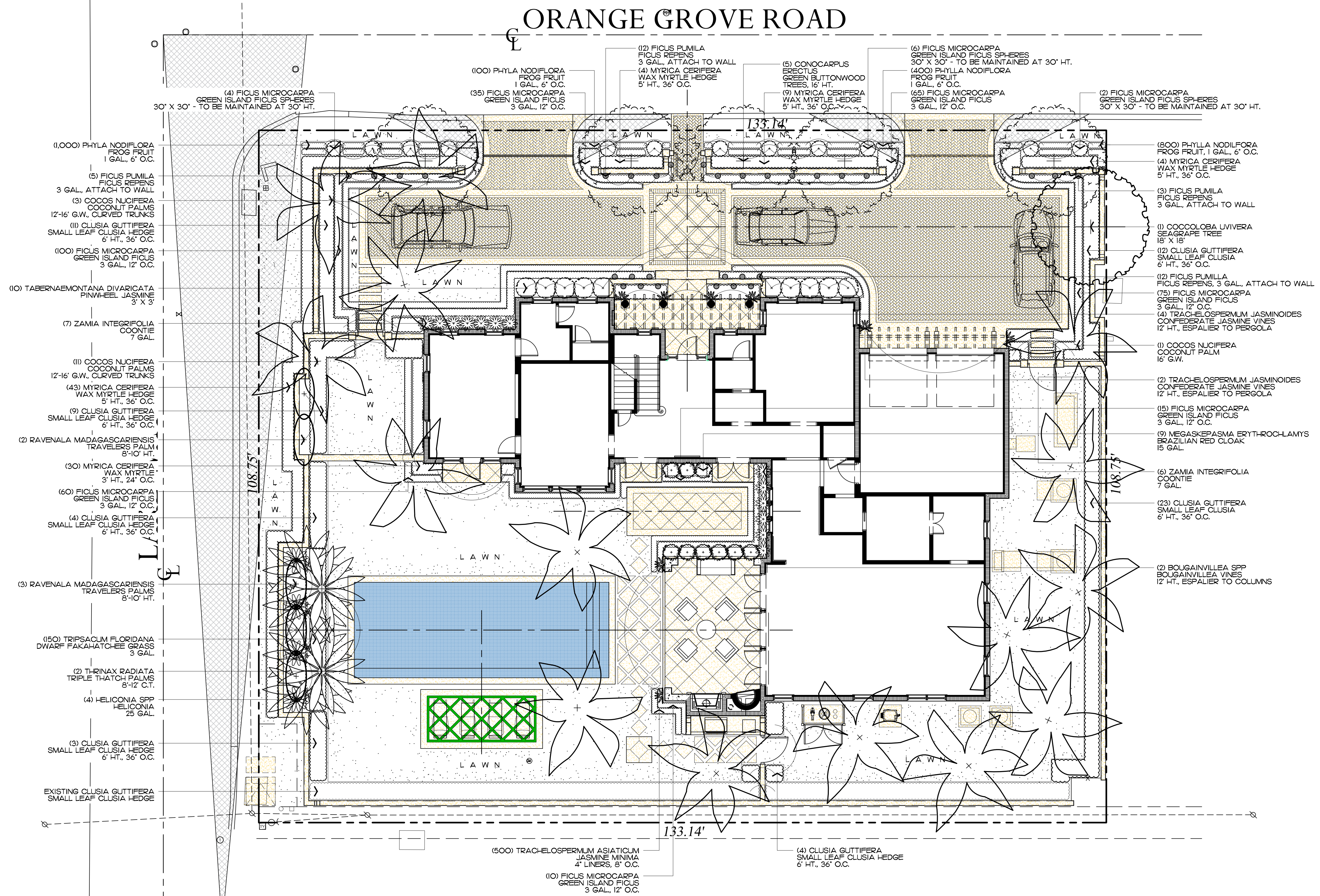
Proposed Site Data

DESCRIPTION	REQUIRED	PROPOSED
LOT ZONE		R-B - LOW DENSITY RESIDENTIAL
LOT AREA	10,000 S.F. MINIMUM	14,479 S.F.
OPEN / PERMEABLE SPACE	MINIMUM 45% 6,515.55 S.F.	45.3% 6,552 S.F.
FRONT YARD LANDSCAPE	MINIMUM 40% OF FRONT YARD 1,331.40 S.F.	40.2% 1,337 S.F.
PERIMETER LANDSCAPE WITHIN 10' OF PROPERTY LINE	MINIMUM 50% OF REQ'D OPEN SPACE 3,257.5 S.F.	75.7% 3,359 S.F.

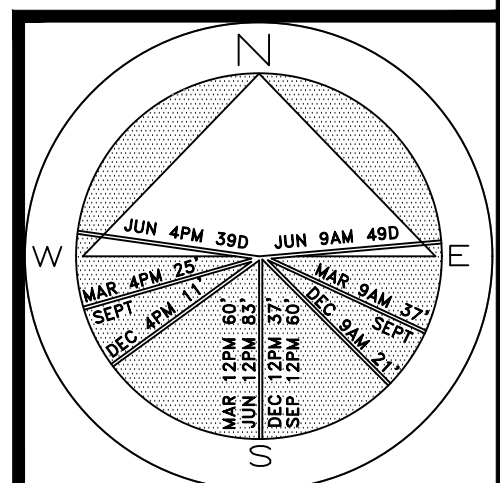


JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 04.24.2023
05.11.2023
05.30.2023
07.11.2023

SHEET L7.1



Private Residence
292 Orange Grove Road
Palm Beach



JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.11.2023
05.30.2023
07.11.2023

2023
COPYRIGHT: The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

2023
DISCLAIMER: Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

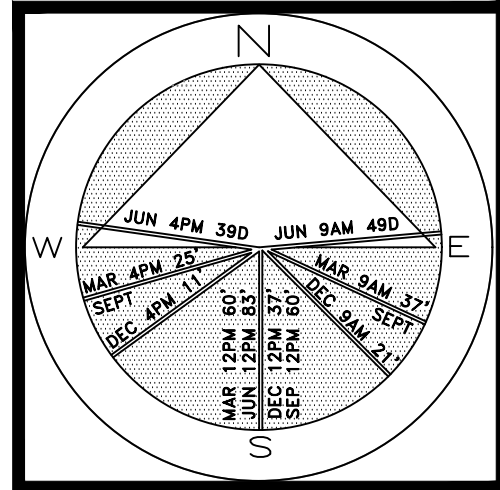
48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE CODE
OF FLORIDA, INC.

ARCOM# ARC-23-088
Landscape Plan
SCALE IN FEET 0' 8' 16' 24'

SHEET L8.0
64 sf.
AREA IN SQ.FT.

Private Residence
292 Orange Grove Road
Palm Beach

F L O R I D A



JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L8.1

64 sf.

AREA IN SQ.FT.



2023
COPYRIGHT: The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

2023
DISCLAIMER: Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.



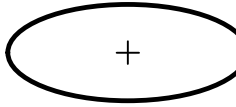
48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

ARCOM# ARC-23-088
Rendered Landscape Plan
SCALE IN FEET 0' 8' 16' 24'


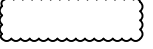


Trees

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	COCOLOB <u>A</u> UVIFERA SEAGRAPE TREE	1	18' X 18' SPECIMEN	YES
	CONOCARPUS ERECTUS GREEN BUTTONWOOD TREE	5	16' HT., MATCHING	YES
		TOTAL: NATIVE SPECIES:	6 6 (100%)	

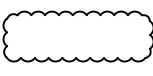
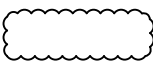
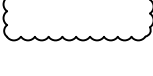
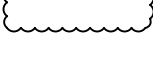
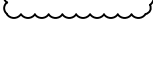


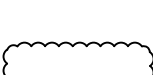

Palms

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	COCOS NUCIFERA COCONUT PALM	15	12'-16' G.W., CURVED TRUNKS	NO
	THRINAX RADIATA TRIPLE FLORIDA THATCH PALM	2	8'-12' C.T.	YES
	RAVENALA MADAGASCARIENSIS TRAVELERS PALM	5	8'-10' HT.	NO

Vines, & Groundcovers

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	BOUGAINVILLEA SPP BOUGAINVILLEA VINE	2	12' HT., ESPALIER TO COLUMNS	NO
	FICUS REPENS CREEPING FIG VINE	32	3 GAL., ATTACH TO WALL	NO
	PHYLA NODIFLORA FROG FRUIT	2,300	1 GAL., 6" O.C.	YES
	TRACHELOSPERMUM ASIATICUM JASMINE MINIMA	500	4" LINERS, 8" O.C.	NO
	TRACHELOSPERMUM JASMINOIDES CONFEDERATE JASMINE VINE	6	12' HT., ESPALIER TO PERGOLA	NO
		TOTAL: NATIVE SPECIES:	2,840 2,300 (81%)	

Shrubs

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	CLUSIA GUTTIFERA SMALL LEAF CLUSIA HEDGE	66	6' HT., 36" O.C.	NO
	FICUS MICROCARPA GREEN ISLAND FICUS SPHERES	12	30" X 30" - SPHERES TO BE MAINTAINED AT 30" HT.	NO
	FICUS MICROCARPA GREEN ISLAND FICUS	360	3 GAL., 12" O.C.	NO
	HELICONIA SPP HELICONIA	4	25 GAL.	NO
	MEGASKEP <u>ASMA</u> ERYTHROCHLAMYS BRAZILIAN RED CLOAK	9	15 GAL.	NO
	MYRICA CERIFERA WAX MYRTLE HEDGE	30 60	3' HT., 24" O.C. 6' HT., 36" O.C.	YES
	TABERNAEMONTANA DIVARICATA CREPE JASMINE	10	3' X 3'	NO
	TRIPSACUM FLORIDANA DWARF FAKAHATCHEE GRASS	150	3 GAL.	YES
	ZAMIA INTEGRIFOLIA COONTIE	13	7 GAL.	YES
		TOTAL: NATIVE SPECIES:	714 253 (35.4%)	

Lawn & Mulch

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION
LAWN	DIAMOND ZOYSIA LAWN	AS NEEDED	SOD PALLETS
PLANTING BED	SHREDDED EUCALYPTUS MULCH	AS NEEDED	MULCH ALL BEDS 3" MIN. DEPTH

ENVIRONMENT
DESIGN
GROUP

139 North County Road 5920-8

Palm Beach, FL 33480

Phone: 561.832.4600

561.313.4424

Mobile: 561.313.4424

Landscape Architecture

Land Planning

Landscape Management

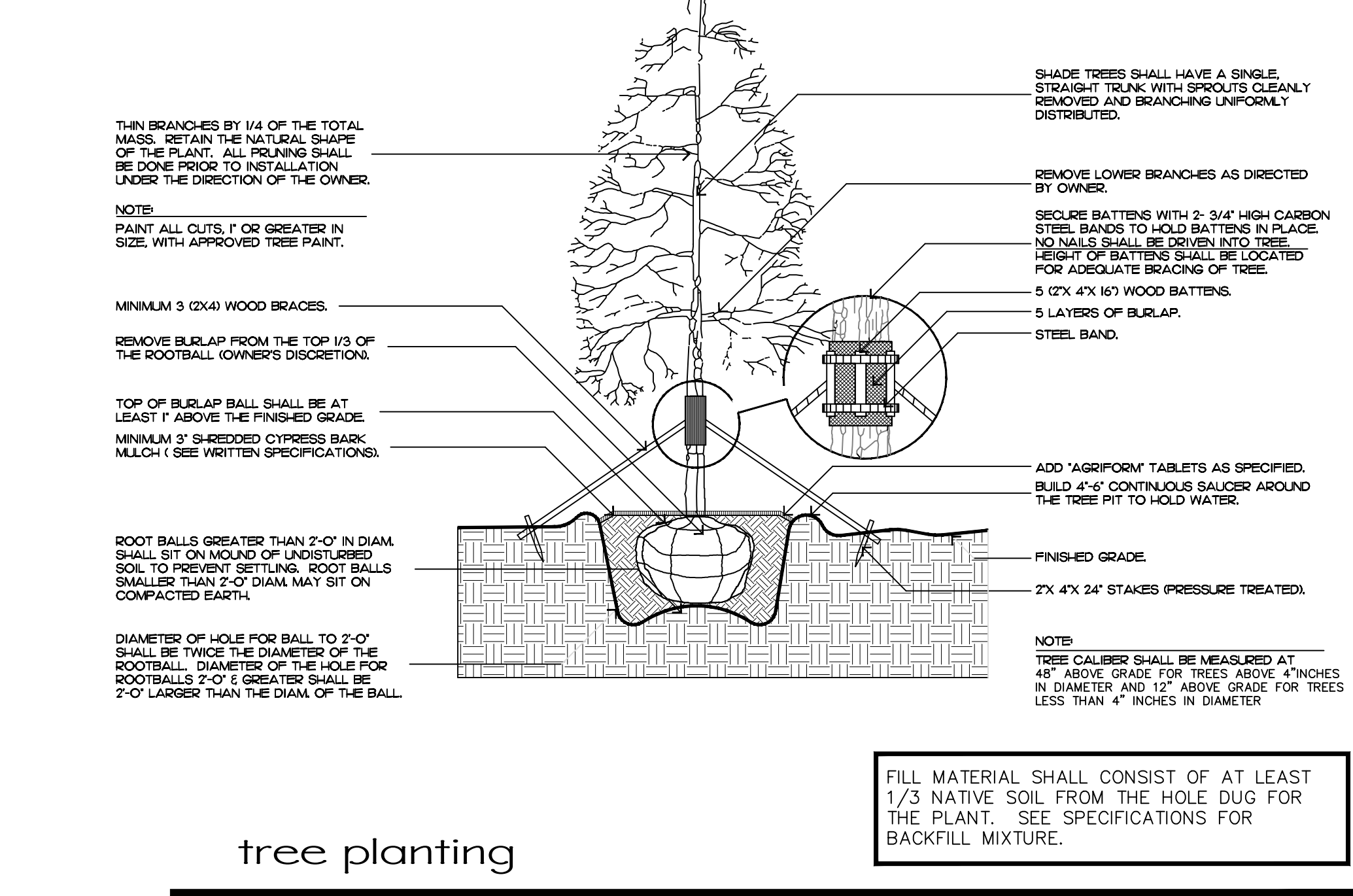
Dustin M. Mizell, M.L.A. P.L.A. #6666784

Dustin@environmentdesigngroup.com

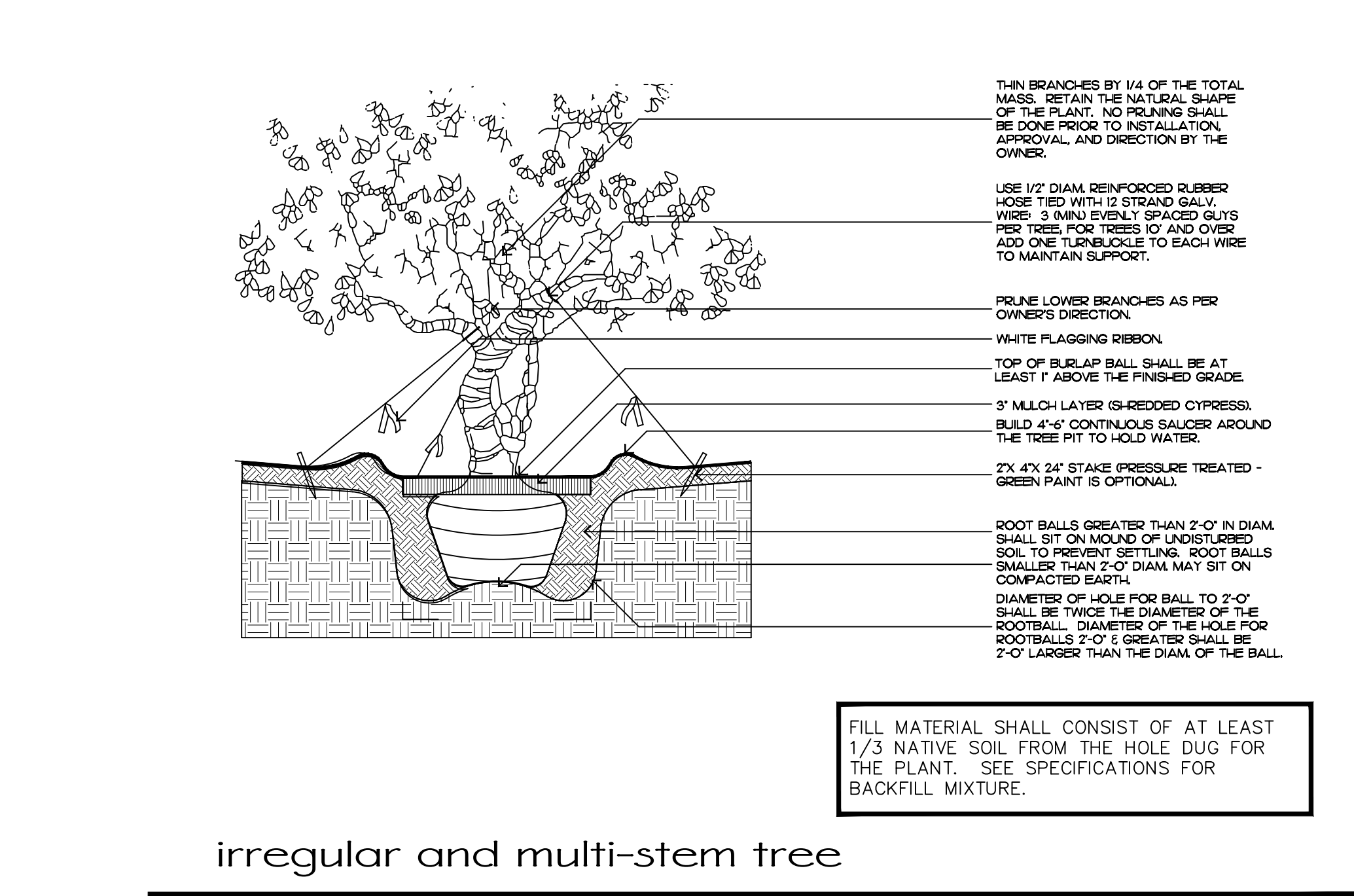
Private Residence
292 Orange Grove Road
Palm Beach

JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

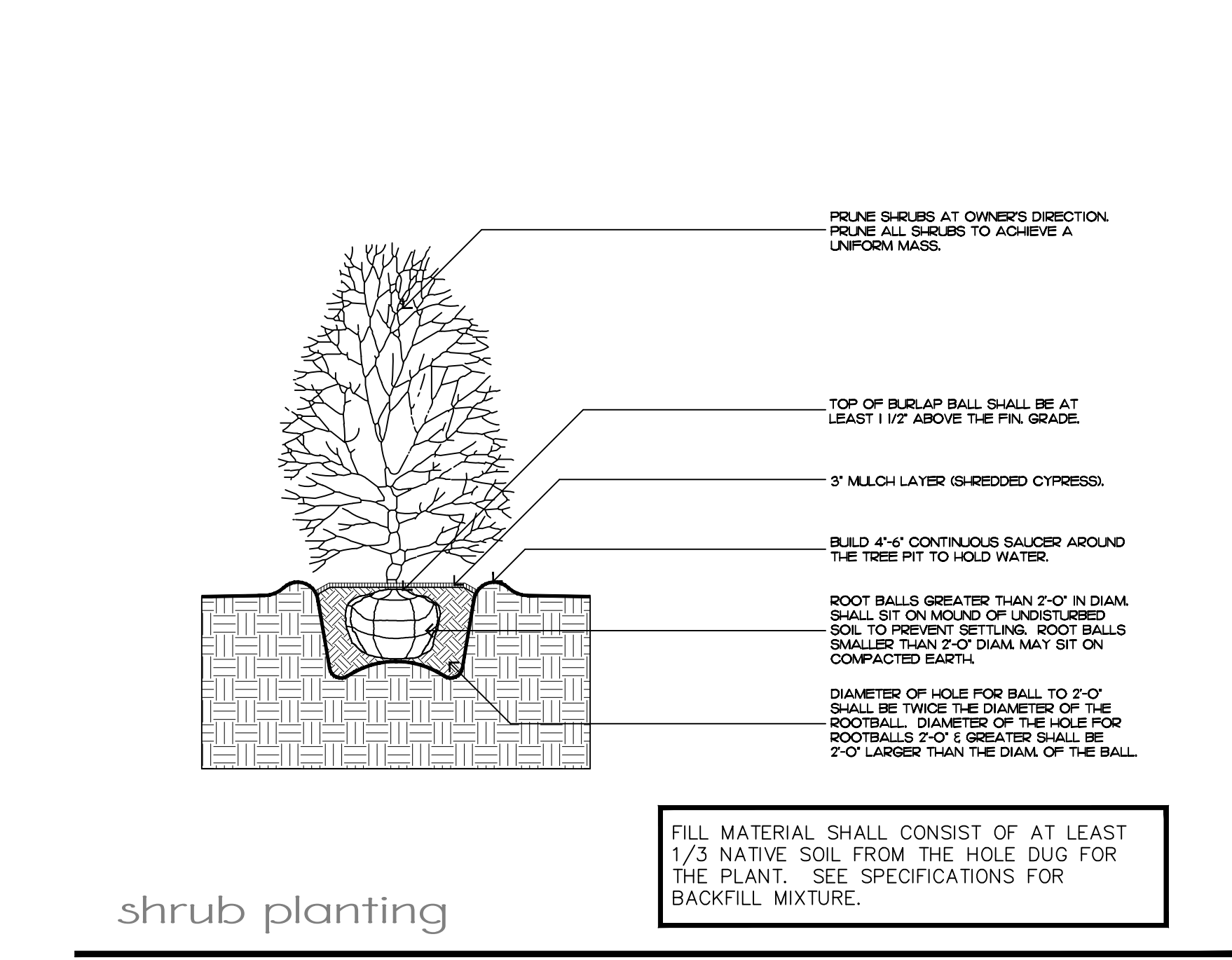
SHEET L8.2



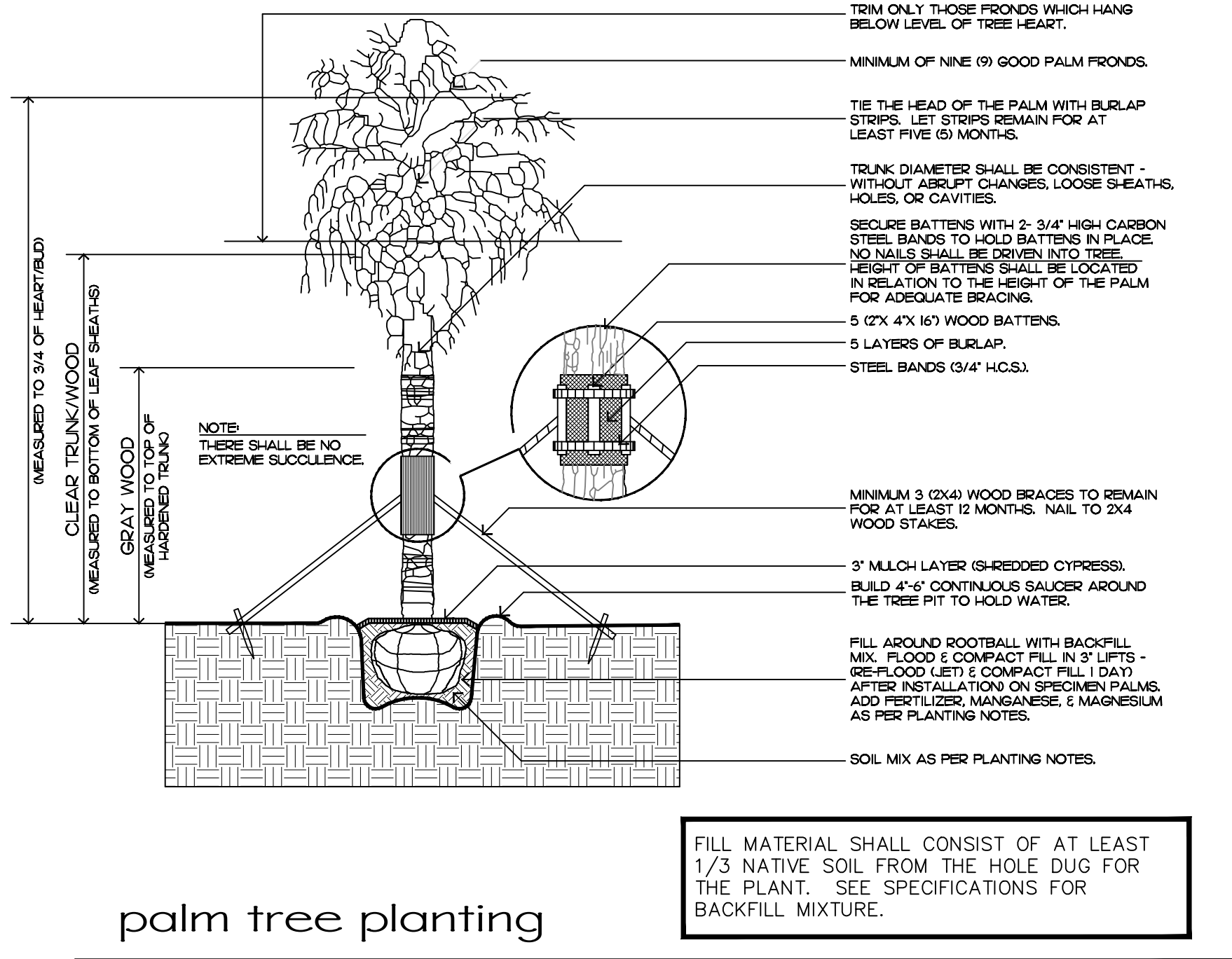
tree planting



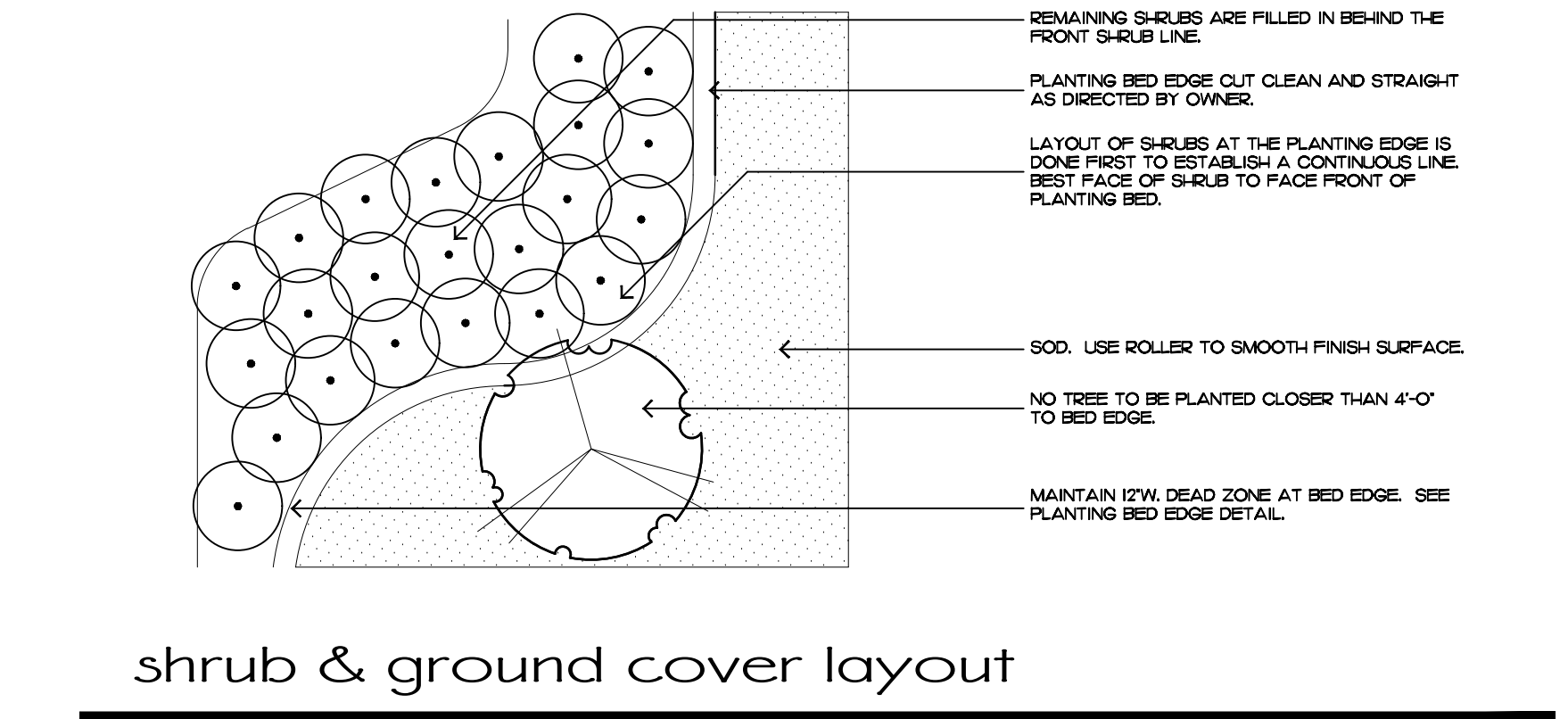
irregular and multi-stem tree



shrub planting



palm tree planting



shrub & ground cover layout

Planting Notes

COMMERCIAL FERTILIZER:

FERTILIZER SHALL BE COMPLETELY ORGANIC, IT SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS, AND SHALL MEET THE FOLLOWING REQUIREMENTS:

- SIX PERCENT (6%) NITROGEN
- SIX PERCENT (6%) PHOSPHOROUS
- SIX PERCENT (6%) POTASSIUM

FERTILIZER SHALL BE APPLIED TO ALL SHRUBS (1 1/3 LB. PER 3 GAL. POT, 1/4 LB. PER 1 GAL. POT) AND GROUNDCOVER. THE SAME FERTILIZER MIXTURE SHALL BE USED ON SOD AT A RATE OF 15 LBS. PER 1000 SQUARE FEET. A FOURTEEN PERCENT (14%) NITROGEN, FOURTEEN PERCENT (14%) PHOSPHOROUS AND FOURTEEN PERCENT (14%) POTASSIUM IS REQUIRED ON ALL TREES AND SHRUBS OVER 5'-0" IN HEIGHT (1/2 LB. PER 5'-0" OF SPREAD). AGRIFORM TABLETS WITH TWENTY PERCENT (20%) NITROGEN, TEN PERCENT (10%) PHOSPHOROUS, FIVE PERCENT (5%) POTASSIUM IN 21 GRAM SIZES SHALL BE APPLIED ALONG WITH THE FERTILIZER PROCESS (1 WITH 1 GAL. PLANTS, 2 WITH 3 GAL. PLANTS AND 2 TABLETS PER 1" OF TREE TRUNK CALIPER). BACK FILL HALFWAY UP THE ROOT BALL. PLACE ABOUT ONE INCH (1") FROM ROOT TIPS. MAGNESIUM SULFATE SHALL BE APPLIED TO ALL PALMS AT INSTALLATION AT A RATE OF 1/2 LB. PER INCH OF TRUNK CALIPER. MANGANESE SHALL BE APPLIED AT THE SAME RATE.

MULCH:

MULCH MATERIAL SHALL BE SHREDDED CYPRESS MULCH OR APPROVED EQUAL, MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT. MULCH SHALL BE APPLIED TO A MINIMUM 3" DEPTH IN PLANTING BEDS.

SOD:

THE SOD SHALL BE FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASES OF ANY KIND, CLEAN, STRONGLY ROOTED, UNIFORMLY SIZED STRIPS, MACHINE STRIPPED NOT MORE THAN TWENTY-FOUR (24) HOURS PRIOR TO LAYING.

SUBSTITUTIONS:

NO SUBSTITUTION OF PLANT MATERIAL TYPES OR SIZES WILL BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. CONTAINER GROWN MATERIAL WILL NOT BE ACCEPTED AS SUBSTITUTE FOR B&B MATERIAL UNLESS PREVIOUSLY APPROVED. INTENDED SUBSTITUTIONS SHALL BE SPELLED OUT IN BID.

MEASUREMENTS:

SHADE TREES: HEIGHT SHALL BE MEASURED FROM GROUND TO THE AVERAGE BRANCH HEIGHT OF CANOPY. SPREAD SHALL BE MEASURED TO THE END OF THE BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "V" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION.

SHRUBS: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE POINT WHERE MATURE PLANT GROWTH STOPS. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENT AREA NOT TO INCLUDE ANY TERMINAL GROWTH.

PALMS: CLEAR TRUNK (C.T.) SHALL BE MEASURED FROM THE GROUND AT TIME OF INSTALLATION TO THE POINT WHERE THE MATURE AGED TRUNK JOINS THE IMMATURE OR GREEN PORTION OF THE TRUNK OR HEAD.

OVERALL HEIGHT (O.A.) SHALL BE MEASURED FROM THE GROUND AT THE TIME OF INSTALLATION TO THE AVERAGE FROND HEIGHT.

PALMS WITH MARRED OR BURNED TRUNKS WILL NOT BE ACCEPTED.

PLANTING SOIL AND BACKFILL: PLANTING SOIL FOR USE IN PREPARING BACKFILL FOR PLANT PITS SHALL BE A FERTILE, FRIABLE AND NATURAL TOPSOIL, WITHOUT MIXTURE OF SUBSOIL MATERIALS, AND SHALL BE FREE FROM HEAVY CLAY, STONES, LIMES, LUMPS, SHELLS, PLANTS, ROOTS OR OTHER FOREIGN MATERIALS, WEEDS, OR NOXIOUS GRASSES (SUCH AS BERGAMOT OR NUT GRASS). IT SHALL NOT CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO THE PLANT GROWTH.

BACKFILL FOR SOD AREAS SHALL BE SUBJECT TO LESSER STANDARDS AT THE DISCRETION AND DECISION OF THE OWNER.

EXISTING TOPSOIL SHALL BE USED IN ALL PLANT MATERIAL PITS EXCEPT SABAL PALMS WHERE THE SOIL SHALL CONSIST OF CLEAN SAND.

PLANTING SOIL FOR USE IN BEDS FOR ANNUALS AND/OR PERENNIALS SHALL CONTAIN ONE-THIRD (1/3) POTTING SOIL OR A BLENDED TOPSOIL, TILL INTO TOP 10" - 12" OF SOIL WITH A TIME-RELEASE FERTILIZER.

PLANT MATERIALS:

PALMS, TREES, SHRUBS, GROUNDCOVERS AND VINES

PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO 'STANDARDIZED PLANT NAMES', 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH 'GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I & II', LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. UNLESS SPECIFIED OTHERWISE, ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. SPECIMEN WEARS AN EXCEPTIONALLY HEAVY, SYMMETRICAL, TIGHTLY KNIT PLANT, SO TRAINED OR FAVORED IN ITS DEVELOPMENT THAT FIRST APPEARANCE IS UNQUESTIONABLE AND OUTSTANDINGLY SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND FREE OF DISEASE AND INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEM. TREES FOR PLANTING ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY AND FLORIDA NUMBER 1. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE OWNER.

CONTAINER GROWN STOCK:

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

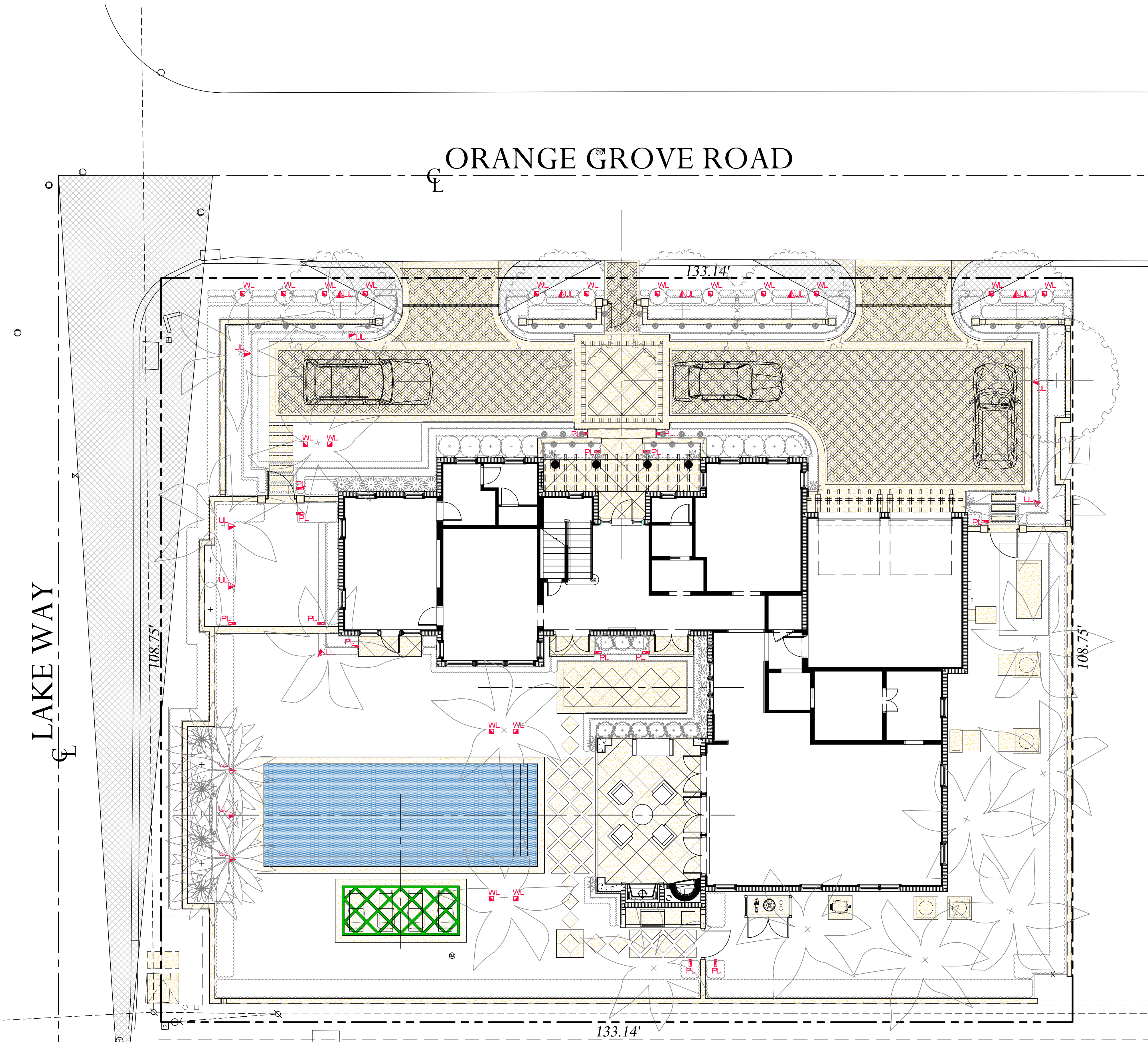
- AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

WARRANTY:

WARRANTY PLANTS, SHRUBS AND GROUNDCOVERS FOR A PERIOD OF NINETY (90) DAYS; TREES & PALMS FOR ONE YEAR (1) AGAINST UNHEALTHY CONDITION, EXCEPT AS MAY RESULT FROM NEGLECT BY OWNER, DAMAGE BY OTHERS, AND UNUSUAL PHENOMENA BEYOND INSTALLER'S CONTROL. REPLACE AT TIME REQUESTED BY THE OWNER OR LANDSCAPE ARCHITECT.

MAINTENANCE:

MAINTAIN LANDSCAPE WORK UNTIL THE LETTER OF SUBSTANTIAL COMPLETION BY THE GENERAL CONTRACTOR. INCLUDE WATERING, WEEDING, CULTIVATING, RESTORATION OF GRADE, MOWING AND TRIMMING GRASS, PRUNING TREES AND SHRUBS, PROTECTION FROM INSECTS AND DISEASES, FERTILIZATION AND SIMILAR OPERATIONS AS NEEDED TO ENSURE NORMAL GOOD HEALTH FOR LIVE PLANT MATERIAL.



Lighting Schedule

SYMBOL	DESCRIPTION	QTY.
▲ UL	UPLIGHT - AURORALIGHT - HSL16-R TELLURIDE BRASS - 3 WATTS - LED 3000K	15
■ WL	WELL LIGHT - AURORALIGHT - LWL5 LIGH-HAUS BRASS FINISH - 9 WATTS - LED 3000K	18
▮ PL	PATH LIGHT - AURORALIGHT - LPL8 - CORONA BRASS FINISH - 4.5 WATTS - LED 3000K	13



UP LIGHT

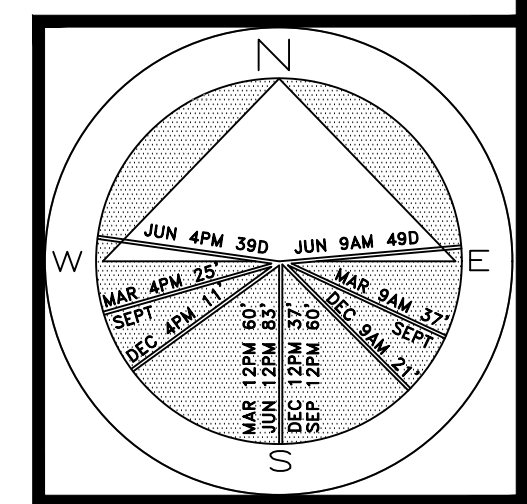


PATH LIGHT



WELL LIGHT

Private Residence
292 Orange Grove Road
Palm Beach



JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

COPYRIGHT: 2023
The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

DISCLAIMER: 2023
Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

ARCOM# ARC-23-088
Landscape Lighting Plan

SCALE IN FEET 0' 8' 16' 24'

64 sf.

AREA IN SQ.FT.

SHEET L9.0



North Elevation



South Elevation

Private Residence
292 Orange Grove Road
Palm Beach

F L O R I D A

JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L10.0

COPYRIGHT: 2023
The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

DISCLAIMER: 2023
Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

Rendered Landscape Elevations
SCALE IN FEET: 3/16"=1'-0"



East Elevation



West Elevation

Private Residence
292 Orange Grove Road
Palm Beach

F L O R I D A

JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Lauren Freeman
DATE: 05.30.2023
07.11.2023

SHEET L10.1

COPYRIGHT: 2023
The following drawings are instruments of service to the Landscape Architect. They are not products of design. All ideas, designs, arrangements and plans indicated or represented by this/these drawings are owned by and the property of the designer, and were created, evolved and developed for use on and in connection with this project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation without the written permission of the Landscape Architect.

DISCLAIMER: 2023
Construction, as the term is generally understood, and that ENVIRONMENT DESIGN GROUP does not provide landscape architectural services during construction, including on-site monitoring, site visits, shop drawing review, design clarification, etc., the client agrees to indemnify and hold harmless ENVIRONMENT DESIGN GROUP from any liability arising from, acts or omissions in the performance of said services during construction by the client, and his/her agents, employees, or subcontractors.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

Rendered Landscape Elevations
SCALE IN FEET: 3/16"=1'-0"

STORMWATER RETENTION CALCULATIONS

A. SITE INFORMATION

Total Property Area = 14,479 sq.ft.

Drainage Area Impervious Surface = 7,963 sq.ft.

Drainage Area Pervious Surface = 6,516 sq.ft.*

* Minimum required by zoning code without a variance

B. ESTIMATED STORMWATER RETENTION VOLUME

The retention volume is estimated using the Rational Method ($Q=CiA$)

where:

$C = 1.0$ (impervious surface)

$C = 0.2$ (pervious surface)

$i = 2$ in/hr

Impervious Surface Runoff Volume:
 $1.0 \times 2 \text{ in/hr} \times 7,963 \text{ sq.ft.} \times 1 \text{ ft./12 in.} = 1,328 \text{ cu.ft.}$

Pervious Runoff Volume:
 $0.2 \times 2 \text{ in/hr} \times 6,516 \text{ sq.ft.} \times 1 \text{ ft./12 in.} = 218 \text{ cu.ft.}$

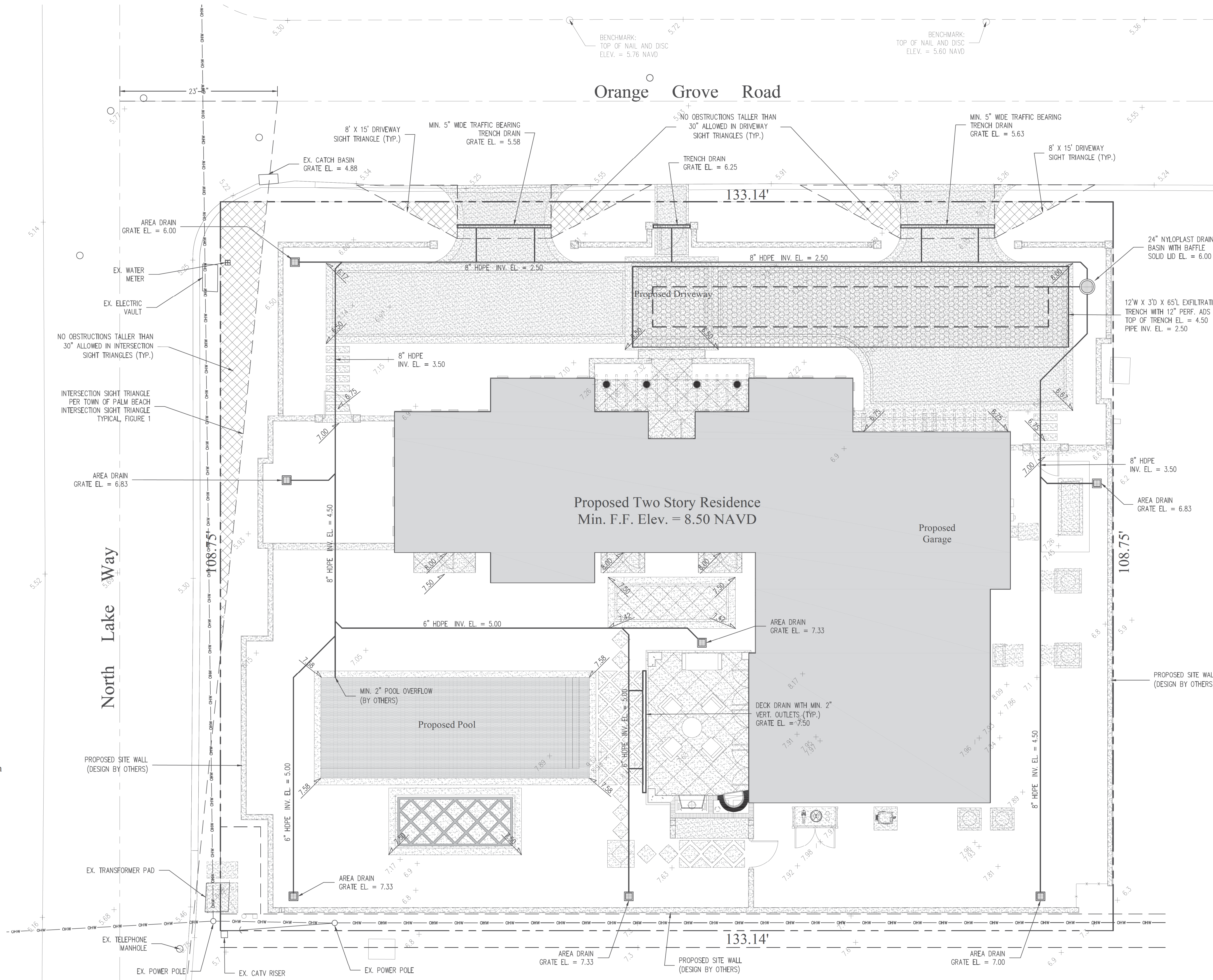
Total Volume to be Retained = 1,546 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L	=	Total Length of Trench Provided	=	65	ft
W	=	Trench Width	=	12	ft
K	=	Hydraulic Conductivity	=	0.00005	cfs/sq.ft./ft. of head
H2	=	Depth to Water Table	=	4.25	ft
DU	=	Un-Saturated Trench Depth	=	3.00	ft
DS	=	Saturated Trench Depth	=	0.00	ft
V	=	Volume Treated	=	1,977	cu.ft.

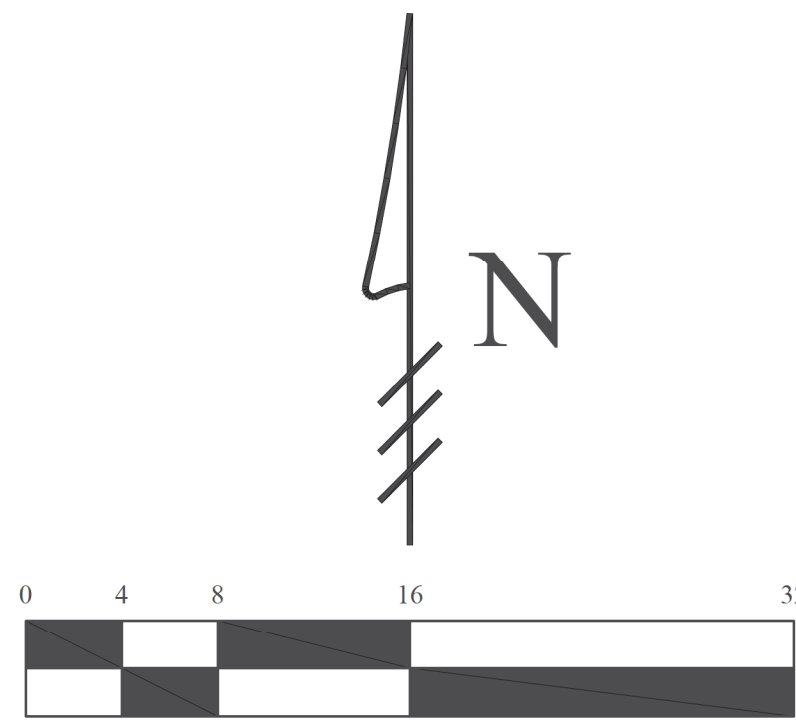
Notes:

- Exfiltration trenches and storm piping to be protected from roots with a root barrier.
- Roof drain downspouts are to be connected to the proposed drainage system. Contractor to provide engineer with downspout locations prior to installation of drainage system.
- Exfiltration trench design uses an assumed value of hydraulic conductivity. Client may obtain a site specific test for hydraulic conductivity prior to exfiltration trench installation.
- Contractor shall mill and overlay all roadway cuts a minimum of 50 ft. on either side of the excavation the entire width of each affected lane.
- Contractor is responsible for installing and maintaining erosion control measures during construction.
- Video inspection of storm drainage system required prior to installation of sod.

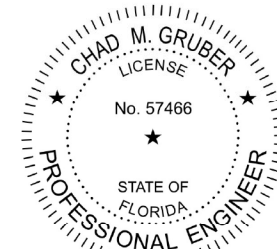


Legend

- EXISTING ELEVATION PER WALLACE SURVEYING CORP. (NAVD-88)
- PROPOSED ELEVATION (NAVD-88)
- PROPOSED ELEVATION CONTOUR (NAVD-88)
- FLOW DIRECTION
- EXFILTRATION TRENCH
- AREA DRAIN
- 24" NYLOPLAST DRAIN BASIN WITH BAFFLE



Scale: 1/8" = 1'-0"



Digitally signed
by Chad M Gruber
Date: 2023.07.01
13:25:50 -04'00'

This item has been electronically signed and sealed by Chad M. Gruber on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Plan Background from Site Plan by
Dailey Janssen Architects Received 7/1/23

ARC-23-088

© 2023 Gruber Consulting Engineers, Inc.

48 HOURS BEFORE DIGGING
CALL
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.
Contractor is responsible for obtaining
location of existing utilities prior to
commencement of construction activities.



Gruber Consulting
Engineers, Inc.
574 MERCER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 561.312.2841
office@gruberengineers.com

Project Information				
Project No.	2023-0021	Issue Date	07/01/2023	
Scale	1/8" = 1'-0"	Drawn By	KM	
Checked By	CG			

Conceptual Site Grading & Drainage Plan For:

Proposed Residence

Palm Beach, Florida

292 Orange Grove Road

Revisions

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Chad M. Gruber

FL P.E. No. 57466

Sheet No.

C-1



GRUBER CONSULTING ENGINEERS

LANDSCAPE/DRAINAGE PLAN CONFLICT STATEMENT

To: Planning Administrator
Town of Palm Beach

From: Chad M. Gruber, P.E.

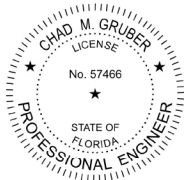
Re: Proposed Residence
292 Orange Grove Rd.
Palm Beach, FL

Date: July 1, 2023

I have reviewed the landscape plan prepared by Environment Design Group for the referenced project received 7/1/23 and compared it with the latest conceptual drainage plan prepared by this office dated 7/1/23. There do not appear to be any conflicts between the proposed landscape material and the storm piping and exfiltration trenches.

Please feel free to contact me if you have any questions.

Sincerely,



Chad M. Gruber, P.E.
Florida P.E. No. 57466

Digitally signed by
Chad M Gruber
Date: 2023.07.01
13:22:28 -04'00'

This item has been electronically signed and sealed by Chad M. Gruber on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Cc: File