

STORMWATER RETENTION CALCULATIONS

A. SITE INFORMATION

Total Property Area = 8,360 sq.ft.
Drainage Area Impervious Surface = 4,598 sq.ft.
Drainage Area Pervious Surface = 3,762 sq.ft.

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 x 2 in/hr x 4,598 sq.ft. x 1 ft./12 in. = 767 cu.ft.

Pervious Runoff Volume:
0.2 x 2 in/hr x 3,762 sq.ft. x 1 ft./12 in. = 126 cu.ft.

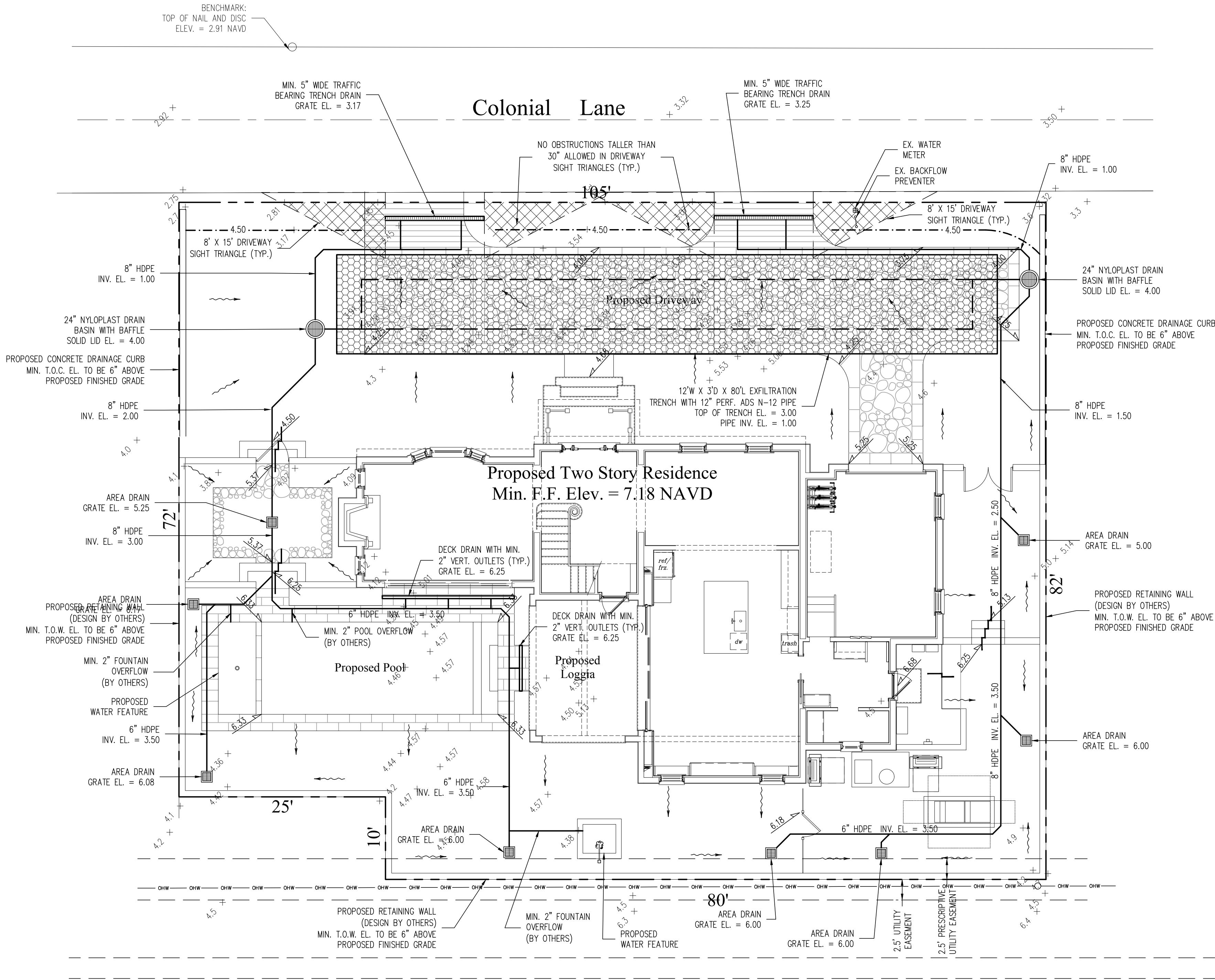
Total Volume to be Retained = 893 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 80 ft
W = Trench Width = 12 ft
K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head
H2 = Depth to Water Table = 1.67 ft
DU = Un-Saturated Trench Depth = 1.50 ft
DS = Saturated Trench Depth = 1.50 ft
V = Volume Treated = 1,130 cu.ft.

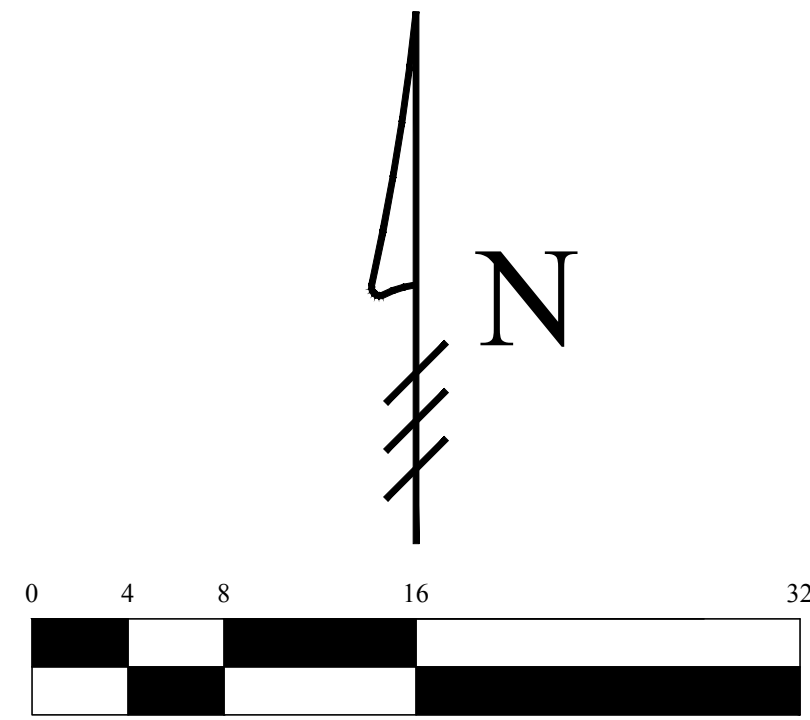
Notes:

- 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

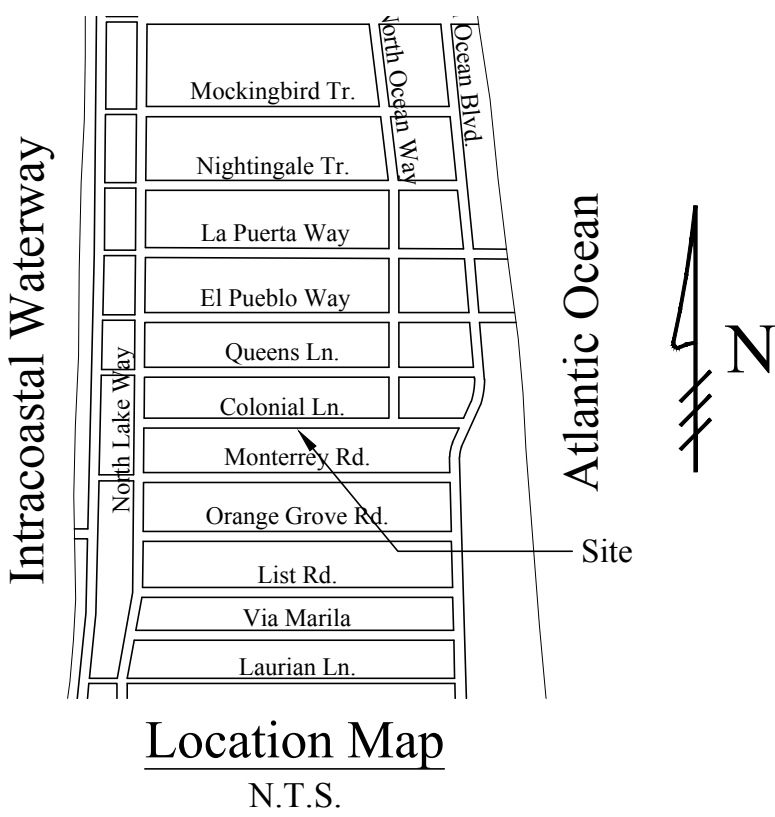


01/06/23 UPDATE PLAN BACKGROUND; ADJUST PROPOSED GRADING AND DRAINAGE

Plan Background from Hardscape Plan by Environment Design Group Received 1/6/23

ARC-22-216
ZON-22-140

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

Project Information				
Project No.	2022-0096	Issue Date	09/09/2022	Scale
Scale	1/8" = 1'-0"	Drawn By	KM	Checked By
Checked By	CG			

Conceptual Site Grading & Drainage Plan For:
Proposed Residence
Palm Beach, Florida
248 Colonial Lane

Revisions	
1	01/06/2023
2	
3	
4	
5	
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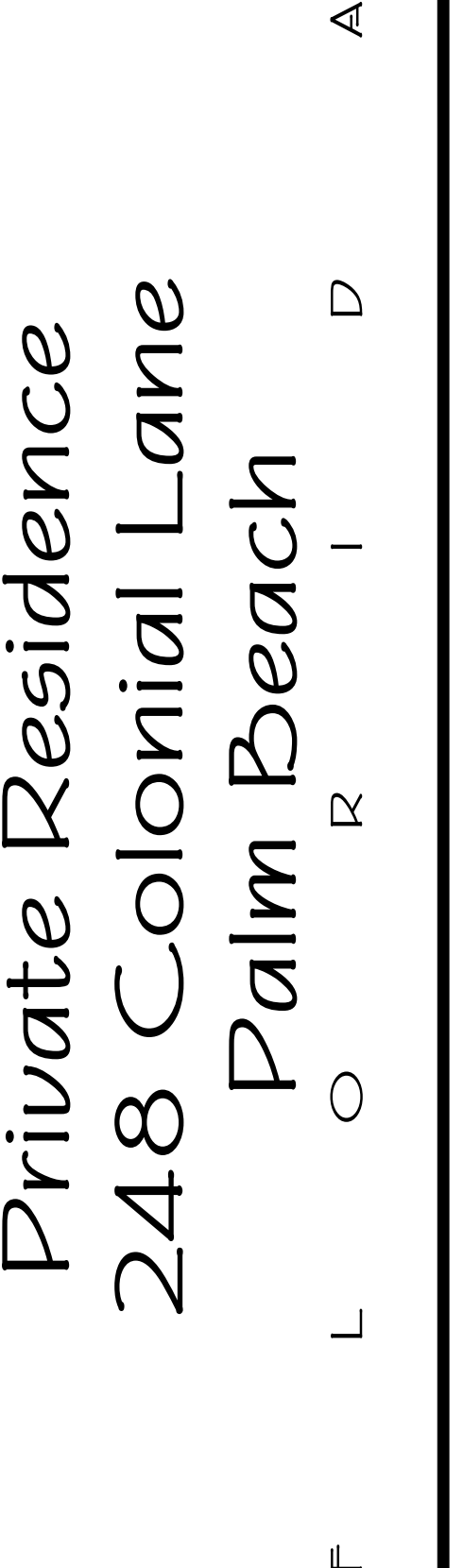
Chad M. Gruber
FL P.E. No. 57466

Sheet No.
C-1

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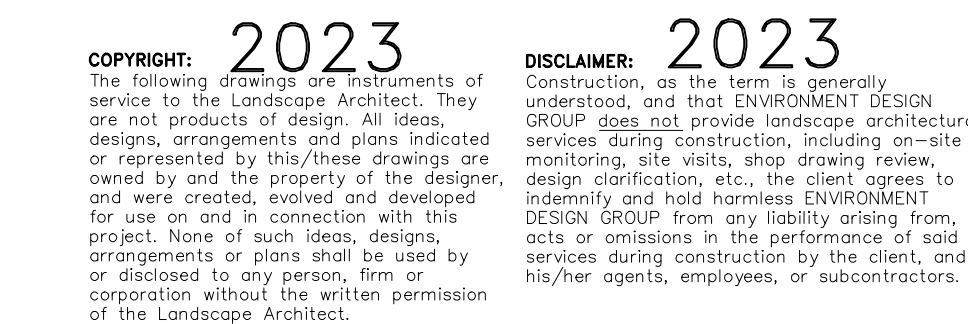
ARCOM Re-submittal - 1/9/23

2.92	X	4.00	X	3.50	X
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SHEET L8.0

AREA IN SQ.FT.



ARCOM# ARC-22-216
ZON-22-140
Landscape Plan
SCALE IN FEET 3/16"=1'-0"

Trees

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	BURSERA SIMARUBA GUMBO LIMBO TREE	1	SPECIMEN TREE EXISTING TO BE RELOCATED	YES
	CITRUS SPP CITRUS TREE	4	6' OA HT	NO
	COCCOLOBA DIVERSIFOLIA PIGEON PLUM TREE	2	14' OA HT	YES
	CONOCARPUS ERECTUS GREEN BUTTONWOOD TREE	10	16' OA HT, 5' CT	YES
	ILEX X ATTENUATA 'EAGLESTON' EAGLESTON HOLLY	4	5' OA HT COLUMNS	YES
	OLEA EUROPEA OLIVE TREE	1	14' OA HT, CHARACTER TRUNK	NO
TOTAL: NATIVE SPECIES:		22 17 (77.27%)		

Palms

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	ARCHONTOPHOENIX ALEXANDRAE KING ALEXANDER PALM	10	12' CT, 24' - 26' OA HT	NO
	THRINAX RADIATA FLORIDA THATCH PALM	3	10'-12' HT	YES
	SABAL PALMETTO SABAL PALM	2	18' - 20' OA HT	YES
	ACOELORRHAPHE WRIGHTII PAUROTIS PALM	1	18'-20' HT	YES
TOTAL: NATIVE SPECIES:		16 6 (37.50%)		

Vines, & Groundcovers

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	BOUGAINVILLEA SPP BOUGAINVILLEA VINE	7	8' OA HT, ESPALIER TO WALL	NO
	TRACHELOSPERMUM JASMINOIDES CONFEDERATE JASMINE VINE	4	7 GAL	NO
	FICUS PUMILA CREEPING FIG	5	12"	NO
	URECHITES LUTEA WILD ALLAMANDA APP	1	7 GAL	YES
	PHYLA FROG FRUIT	2385	4" LINEAR	YES
	TRACHELOSPERMUM ASIATICUM 'VARIEGATUM' VARIEGATED JASMINE MINIMA	305	12" LINEAR	NO
TOTAL: NATIVE SPECIES:		2707 2386 (88.17%)		

Shrubs

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	CHRYSOBALANUS ICACO COCOPLUM	150	7 GAL	YES
	CLUSIA GUTTIFERA CLUSIA HEDGE	111	6' OA HT	NO
	ELAEOCARPUS DECIPIENS JAPANESE BLUEBERRY	4	5' OA HT	NO
	GARDENIA JASMINOIDES GARDENIA SPHERE	4	3' X 3'	NO
	GARDENIA JASMINOIDES GARDENIA STANDARD	2	8' OA HT, STANDARD	NO
	ILEX GLABRA INKBERRY	160	3 GAL, 18" OC	YES
	JASMINE SPP JASMINE	2	4' OA HT	NO
	TABERNAEMONTANA DIVARICATA GRAPE JASMINE	6	15 GAL 18" OC	NO
	BEGONIA ODORATA 'ALBA WHITE BEGONIA	30	3 GAL 12" OC	NO
	FICUS MICROCARPA GREEN ISLAND FICUS	185	3 GAL 12" OC	NO
	MONSTERA DELICIOSA SWISS CHEESE PLANT	30	3 GAL 12" OC	NO
	MONSTERA DELICIOSA SWISS CHEESE PLANT	30	3 GAL 12" OC	NO
	RAVENALA MADAGASCARIENSIS TRAVELER PALM	11	14'-16' OA. HT.	NO
TOTAL: NATIVE SPECIES:		725 310 (42.75%)		

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

Native Landscape Legend

PROPERTY ADDRESS:	248 COLONIAL LANE	
	REQUIRED	PROPOSED
LOT SIZE (SQ FT)	10,000 SF MIN	8,360 SF
LANDSCAPE OPEN SPACE (LOS) (SQ FT AND %)	3,762 SF (MIN 45%)	3,787 SF (45.29%)
PERIMTETER LOS (SQ FT AND %)	1,881 SF (MIN 50% LOS)	2,276 SF (61.8%)
FRONT YARD LOS (SQ FT AND %)	1,050 SF (MIN 40%)	1,340 SF (51%)
NATIVE TREES %	35%	56.25%
NATIVE PALMS %	35%	62.50%
NATIVE SHRUBS %	35%	42.99%
NATIVE VINES / GROUND COVER %	35%	88.17%

ENVIRONMENT
DESIGN
GROUP

139 North County Road 5420-B
Phone 561.632.4600

Palm Beach, FL 33480
Mobile 561.313.4424

Landscape Architecture
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Landscape Management

Dustin M. Mizell, M.L.A. R.L.A. #6666784
Dustin@environmentdesigngroup.com

Private Residence
248 Colonial Lane
Palm Beach
FL 33480

JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugnii
DATE: 08.19.2022
FINAL SUBMITTAL: 09.09.2022
01.06.2023
03.01.2023

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ARCOM# ARC-22-216
ZON-22-140
Plant Schedule

SHEET L8.2



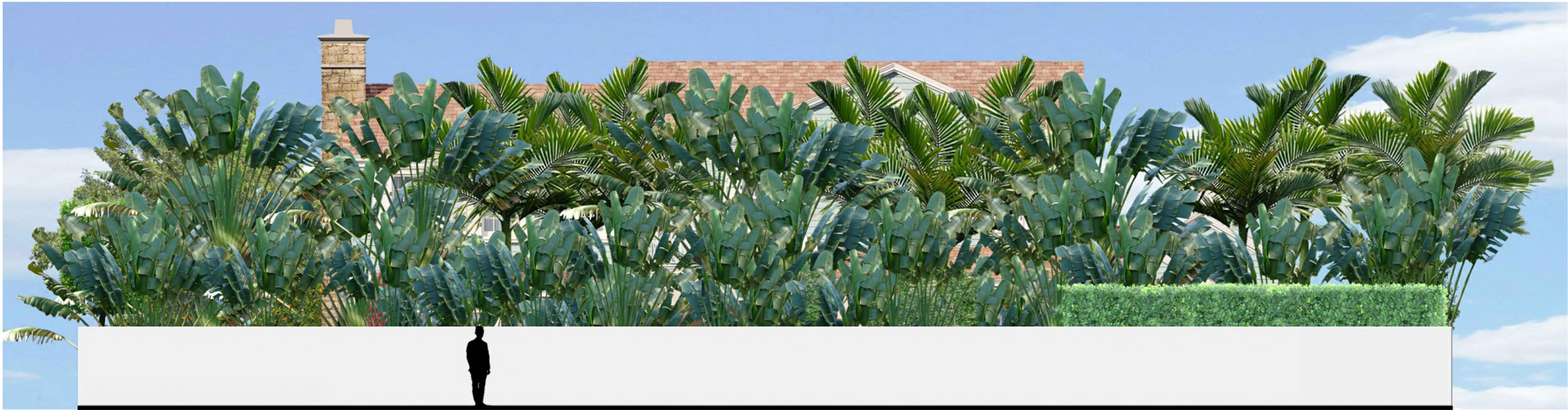
North / Front Elevation
Currently Proposed



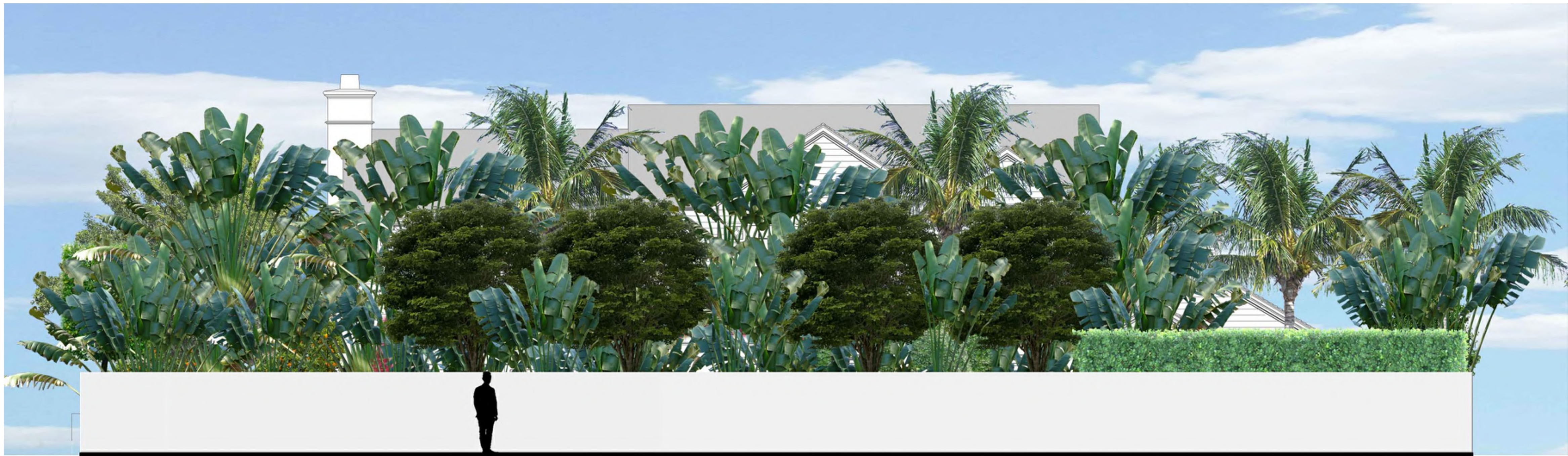
North / Front Elevation
Previously Presented

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DATE: 08.05.2022
01.06.2023
01.13.2023
01.17.2023

SHEET L13.0



South / Rear Elevation
Currently Proposed



South / Rear Elevation
Previously Presented

Private Residence
248 Colonial Lane
Palm Beach
F L O R I D A

JOB NUMBER: # 22169.00 LA
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DATE: 08.05.2022
01.06.2023
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SHEET L13.1

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South/ Rear Landscape Elevations Comparison

SCALE IN FEET 3/16"=1'-0"



North (Front) Elevation



South (Back) Elevation

Private Residence
248 Colonial Lane
Palm Beach

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SHEET 10.0

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East (Side) Elevation



West (Side) Elevation

Private Residence
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Palm Beach

A
D
I
R
O
L
F

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DRAWN BY: Grace Walton
DATE: 08.05.2022
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01.06.2023
03.01.2023

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ZON-22-140

Rendered Landscape Elevations

SCALE IN FEET 3/16"=1'-0"

SHEET 10.1

COLONIAL LANE

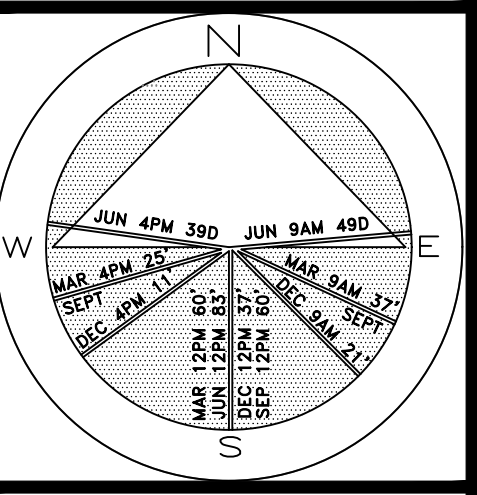
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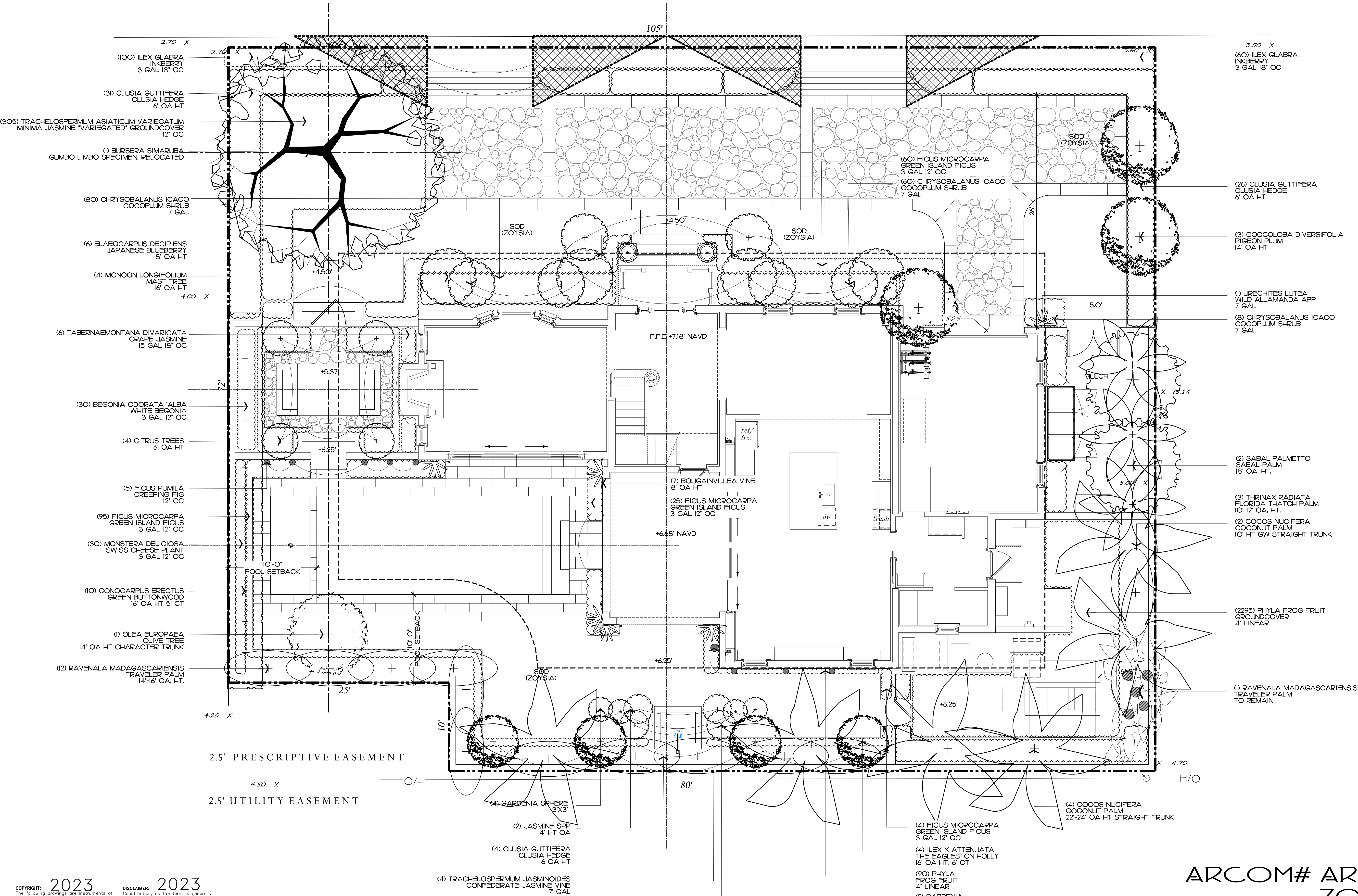


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01.04.2023

SHEET L8.O

ARCOM# ARC-22-216
ZON-22-140
Landscape Plan

SCALE IN FEET 3/16"=1'-0"



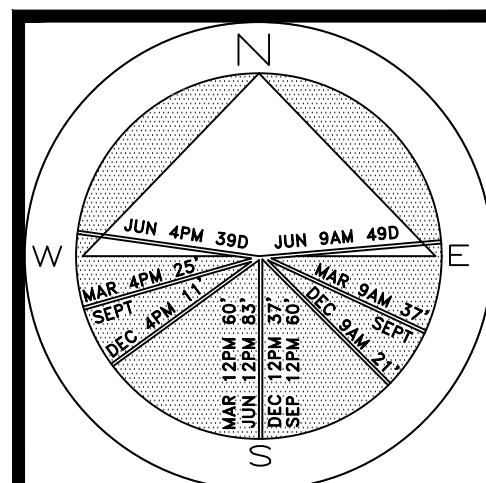
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AREA IN SQ. FT.

C



SHEET L8.C

SCALE IN FEET $3/16"=1'-0"$

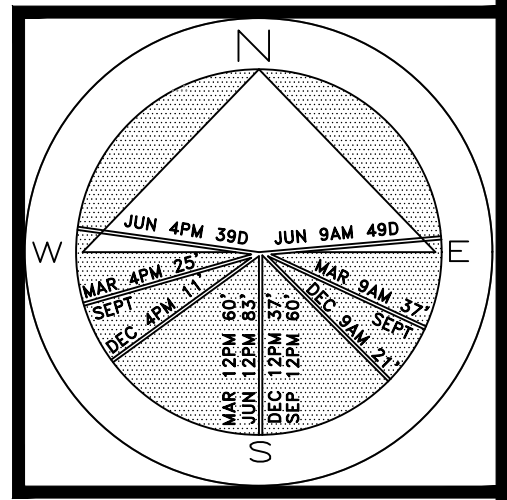
AREA IN SQ.FT.

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Private Residence
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Palm Beach



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DATE: 08.05.2022
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SHEET L8.1

64 sf.

AREA IN SQ.FT.

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

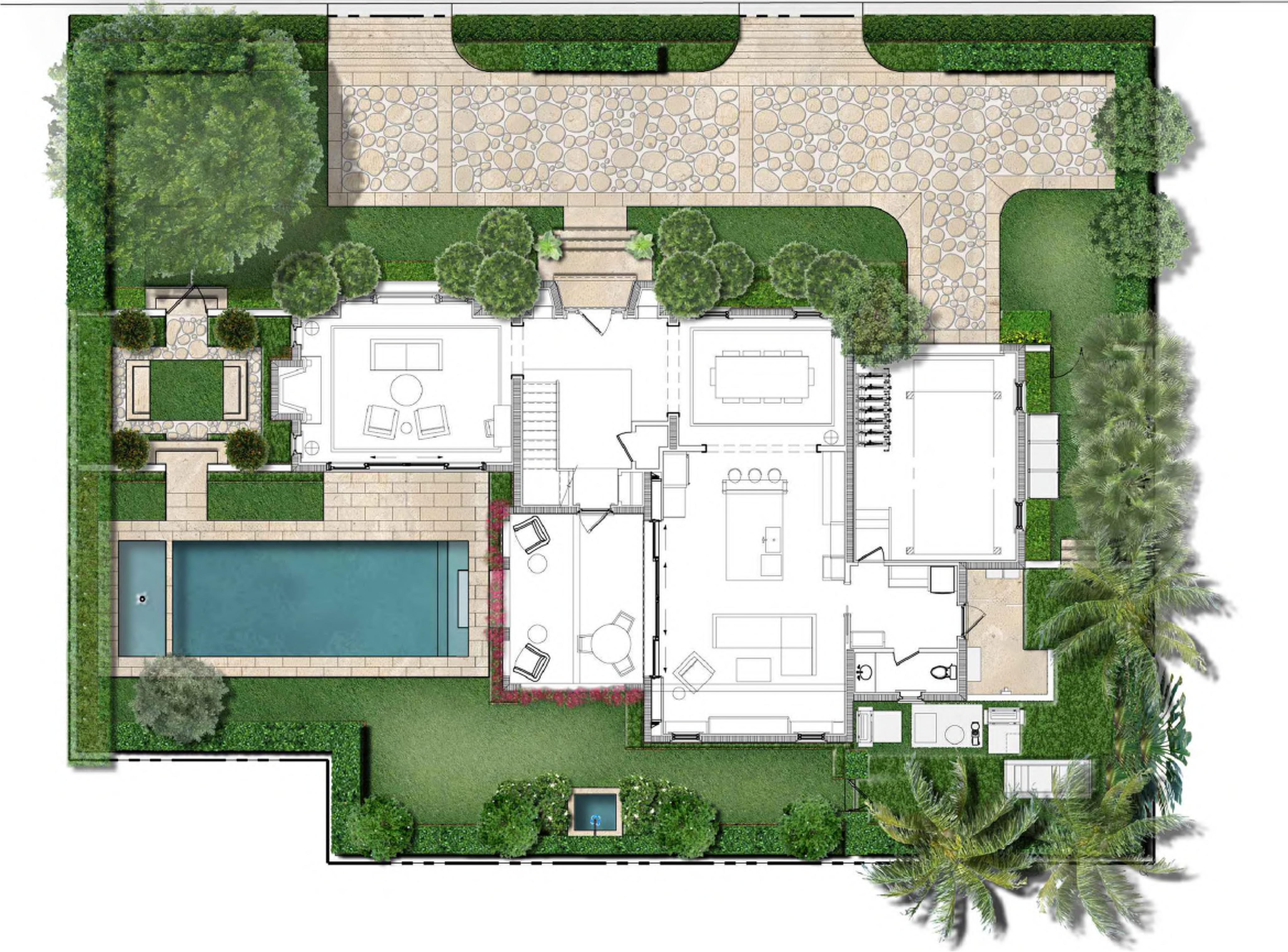
COLONIAL LANE

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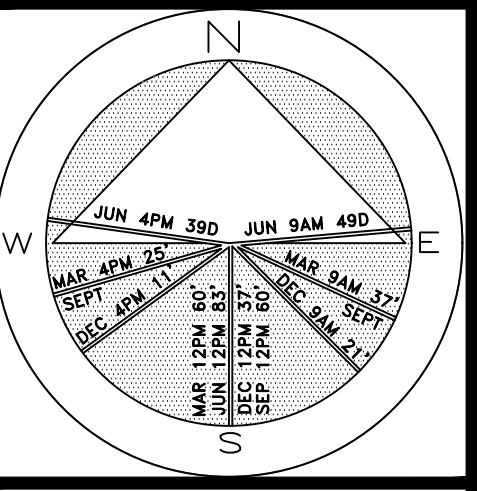
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Dustin@environmentdesigngroup.com



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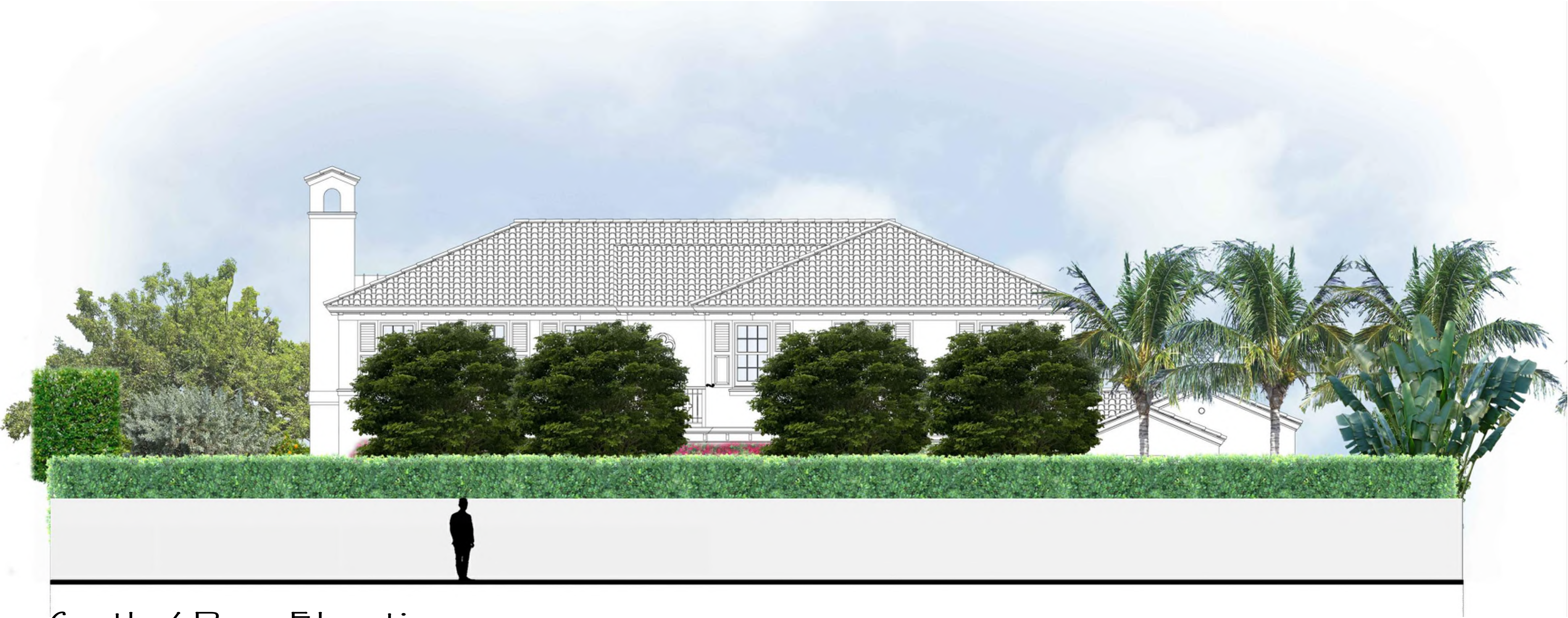
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Previously presented
ARCOM# ARC-22-216
ZON-22-140
Rendered Landscape Plan
SCALE IN FEET: 3/16"=1'-0"



South / Rear Elevation
Currently Proposed



South / Rear Elevation
Previously Presented

JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 08.05.2022
01.06.2023
01.13.2023
01.17.2023

SHEET L13.1

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South/ Rear Landscape Elevations Comparison

SCALE IN FEET 3/16"=1'-0"



North / Front Elevation
Currently Proposed



North / Front Elevation
Previously Presented

Private Residence
248 Colonial Lane
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ARCOM# ARC-22-216
ZON-22-140
Front Landscape Elevations Comparison

SCALE IN FEET 3/16"=1'-0"

SHEET L13.0



North (Front) Elevation



South (Back) Elevation

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Palm Beach, FL 33480
Phone: 561.832.4600

Palm Beach, FL 33480
Mobile: 561.313.4424

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Dustin M. Mizell, M.L.A. #6666784
Dustin@environmentdesigngroup.com

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ARCHITECTURAL

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DATE: 08.05.2022
01.06.2023

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Rendered Landscape Elevations

SCALE IN FEET 3/16"=1'-0"

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West (Side) Elevation



East (Side) Elevation

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ZON-22-140

Rendered Landscape Elevations

SCALE IN FEET 3/16"=1'-0"

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F L O R I D A

JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 08.05.2022
FINAL SUBMITTAL: 09.09.2022
01.06.2023

SHEET L10.1



Existing North Area



Existing North Area



Existing North Area



Existing South Area



Existing West Area



Existing East Corner

ENVIRONMENT
DESIGN
GROUP

139 North County Road 5420-8 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
248 Colonial Lane
Palm Beach

A
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R
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JOB NUMBER: # xxxxx-00 LA
DRAWN BY: Alex Engdrii
DATE: 08.22.2022
FINAL SUBMITTAL: 09.09.2022

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DISCLAIMER: 2023

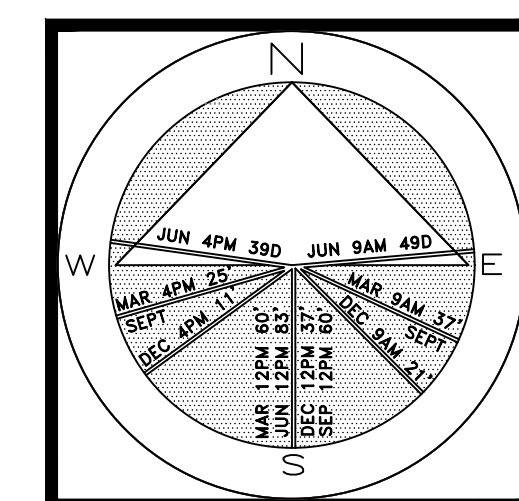
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ARCOM# ARC-22-216
ZON-22-140
Existing Site Photos

SHEET L1.0

Private Residence
248 Colonial Lane
Palm Beach

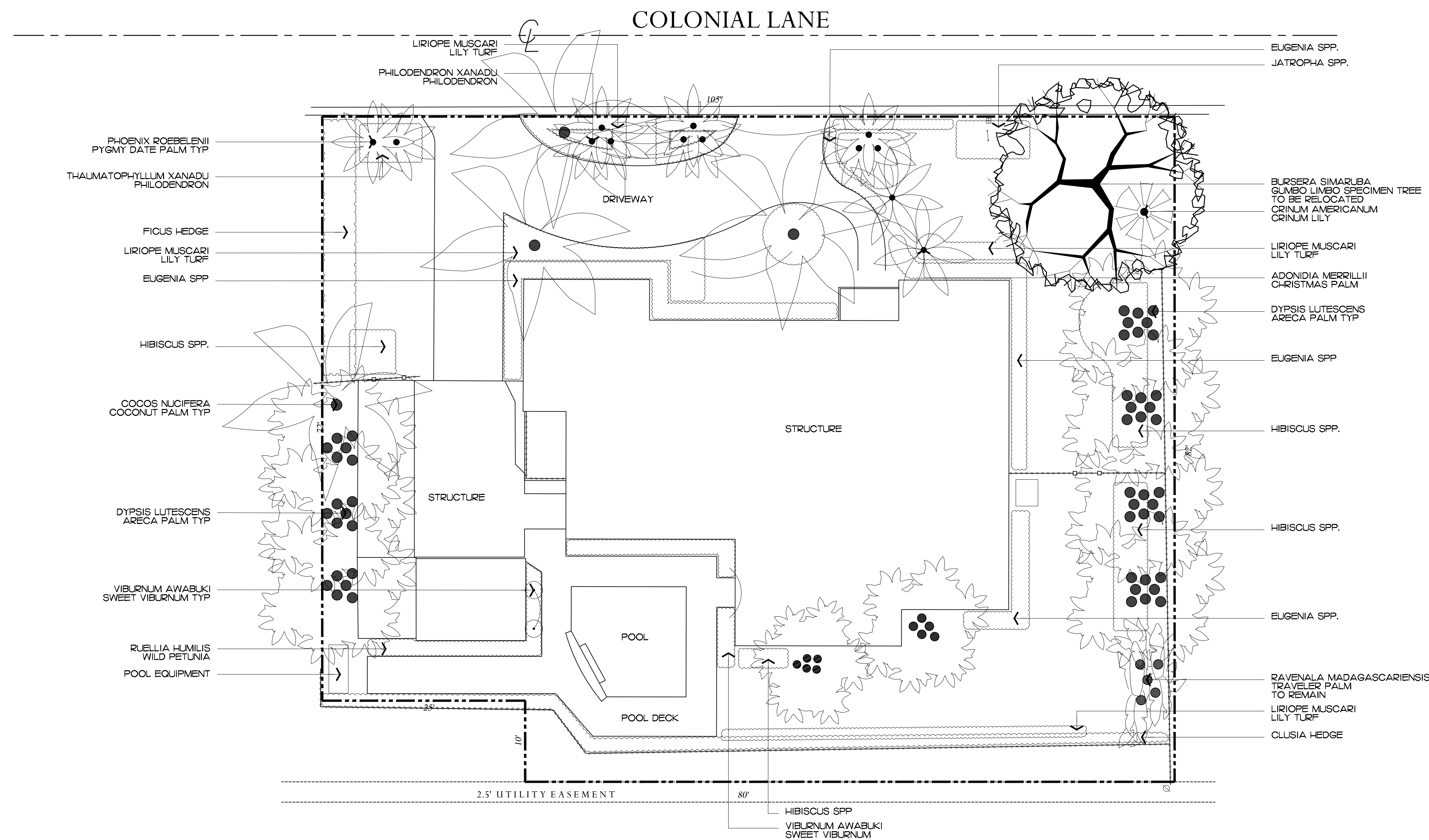


JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 07.18.2022
FINAL SUBMITTAL: 09.09.2022

SHEET L2.C

64 sf

AREA IN SQ.FT.



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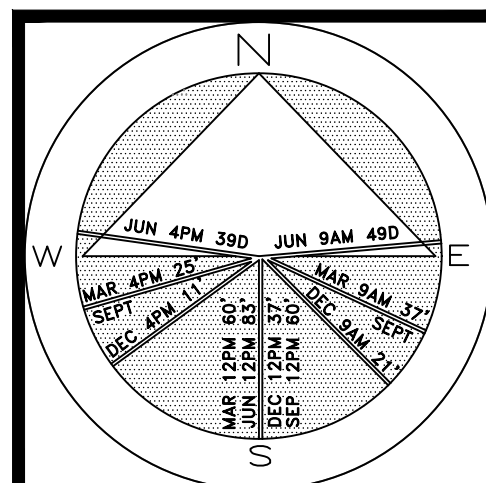
Existing Vegetation Inventory & Action Plan

SCALE IN FEET 0' 8' 16' 24'

Private Residence
248 Colonial Lane
Palm Beach



EXISTING BURSERA SIMARUBA GUMBO LIMBO SPECIMEN TREE
NOTE: ROOT PRUNED AT LEAST 12 WEEK PRIOR TO RELOCATION

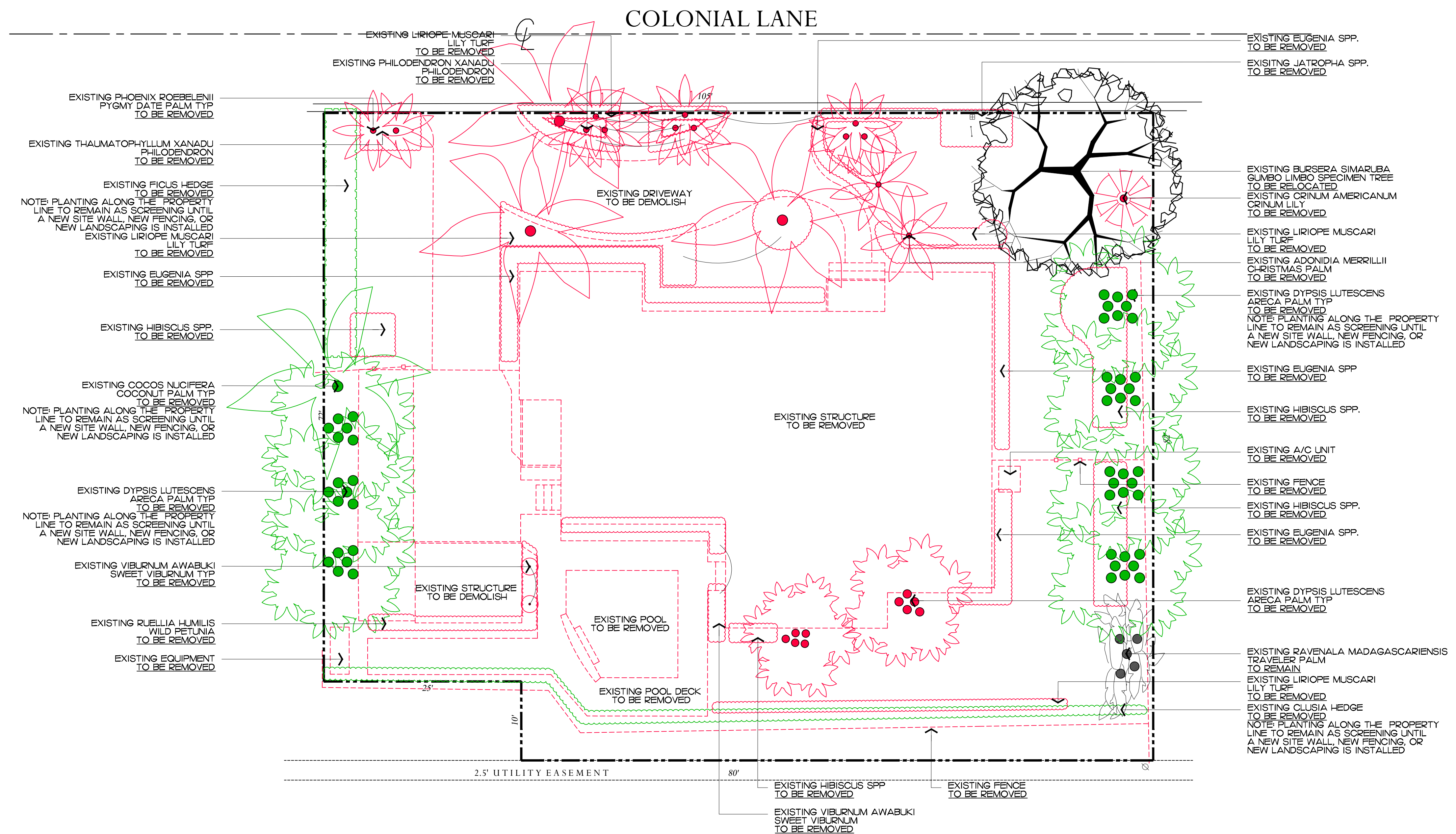


JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugrii
DATE: 08.22.2022
FINAL SUBMITTAL 09.09.2022

SHEET L3.0

64 sf.

AREA IN SQ.FT.



- NOTES:
1. INTERIOR TREES AND PALMS WILL BE REMOVED WHEN NECESSARY FOR SITE UTILIZATION AND CONSTRUCTION DEVELOPMENT. CONSTRUCTION GREEN 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.
 2. ALL SHRUBBERY TO BE REMOVED UNLESS OTHERWISE SPECIFIED

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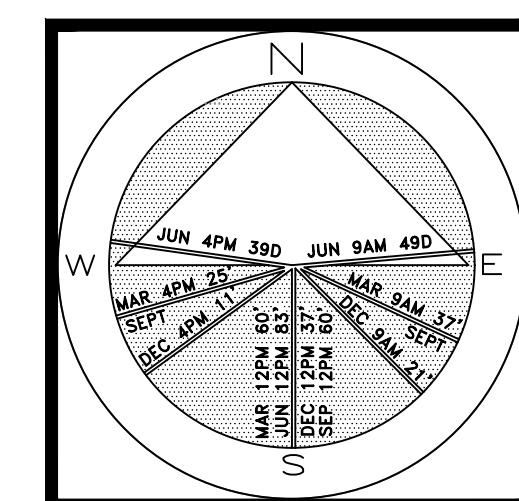
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ARCOM# ARC-22-216
ZON-22-140
Demolition and Vegetation Action Plan
SCALE IN FEET



Private Residence
248 Colonial Lane
Palm Beach

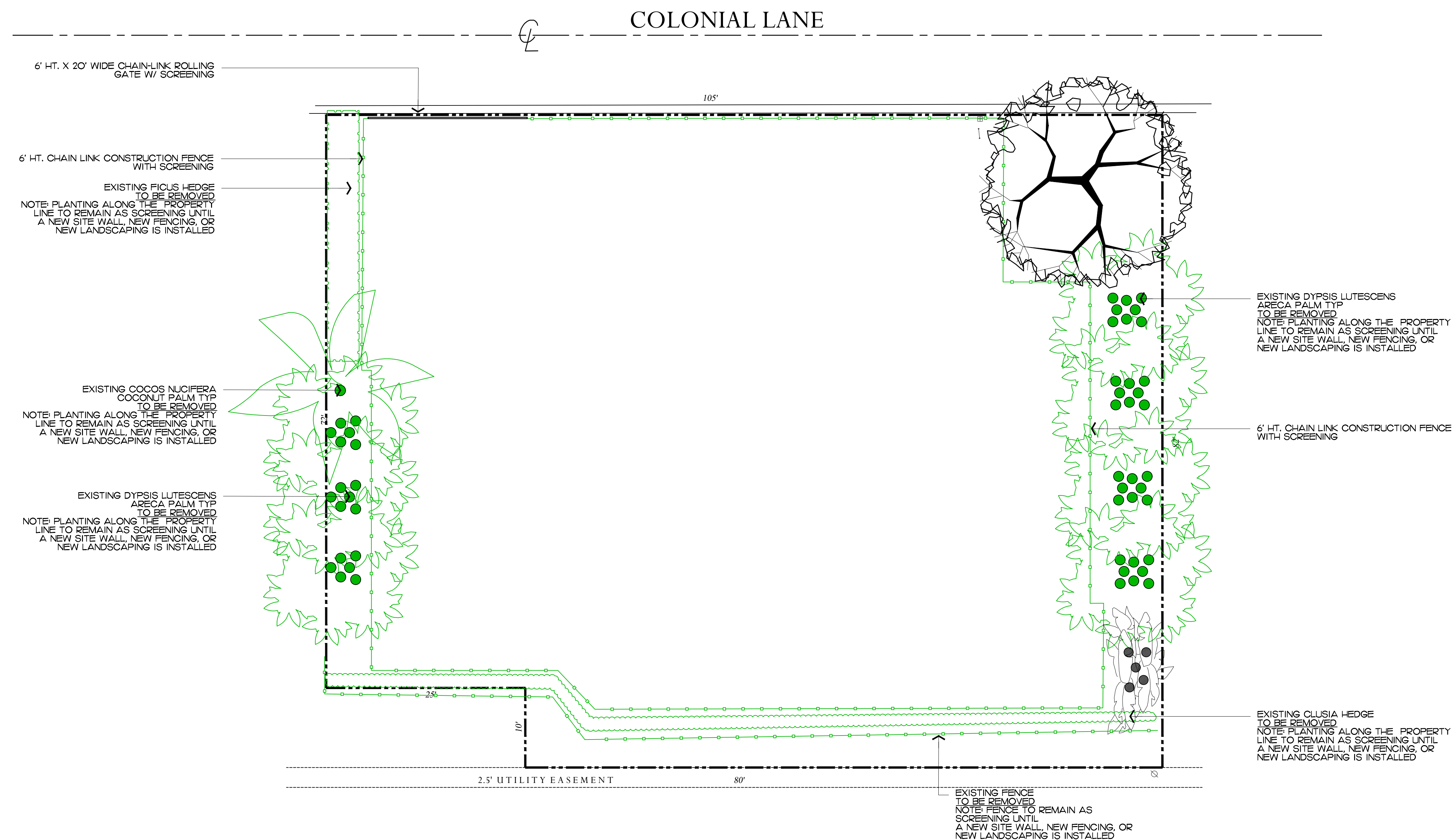


JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugrii
DATE: 08.22.2022
FINAL SUBMITTAL: 09.09.2022

SHEET L4.C

64 sf

AREA IN SQ.FT.



NOTE:
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NOTE:
FOR TRUCK LOGISTIC PLAN
PLEASE REFER ARCHITECTURAL DRAWING

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ARCOM# ARC-22-216
ZON-22-140
Construction Screening Plan

SCALE IN FEET 0' 8' 16' 24'



Existing North Buffer



Existing North Buffer



Existing East Buffer



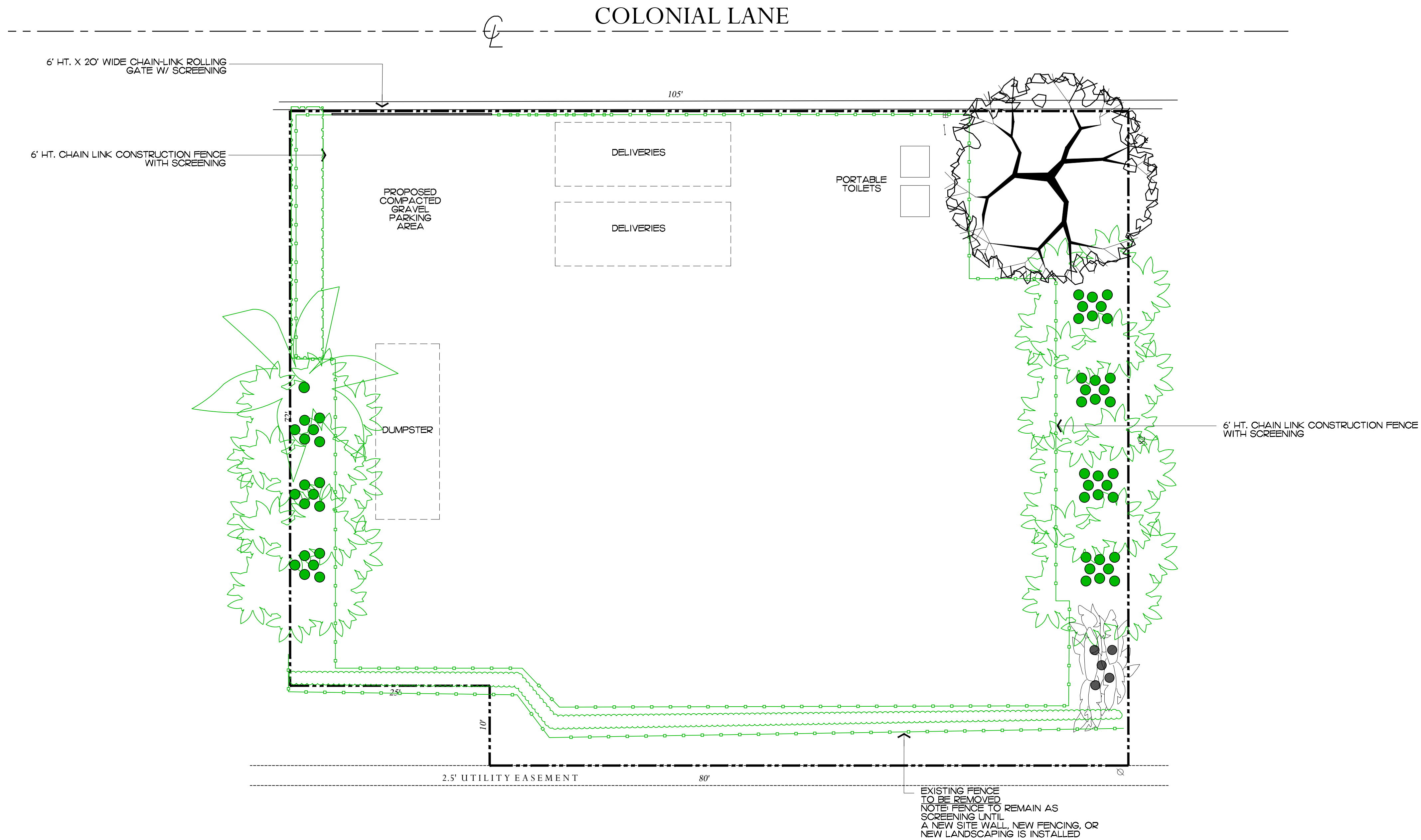
Existing South Buffer



Existing South Buffer

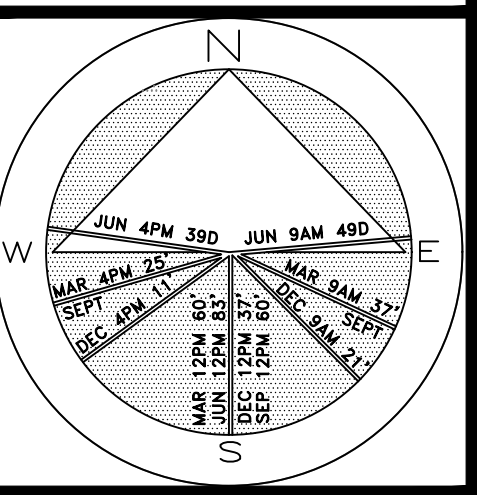


Existing West Buffer



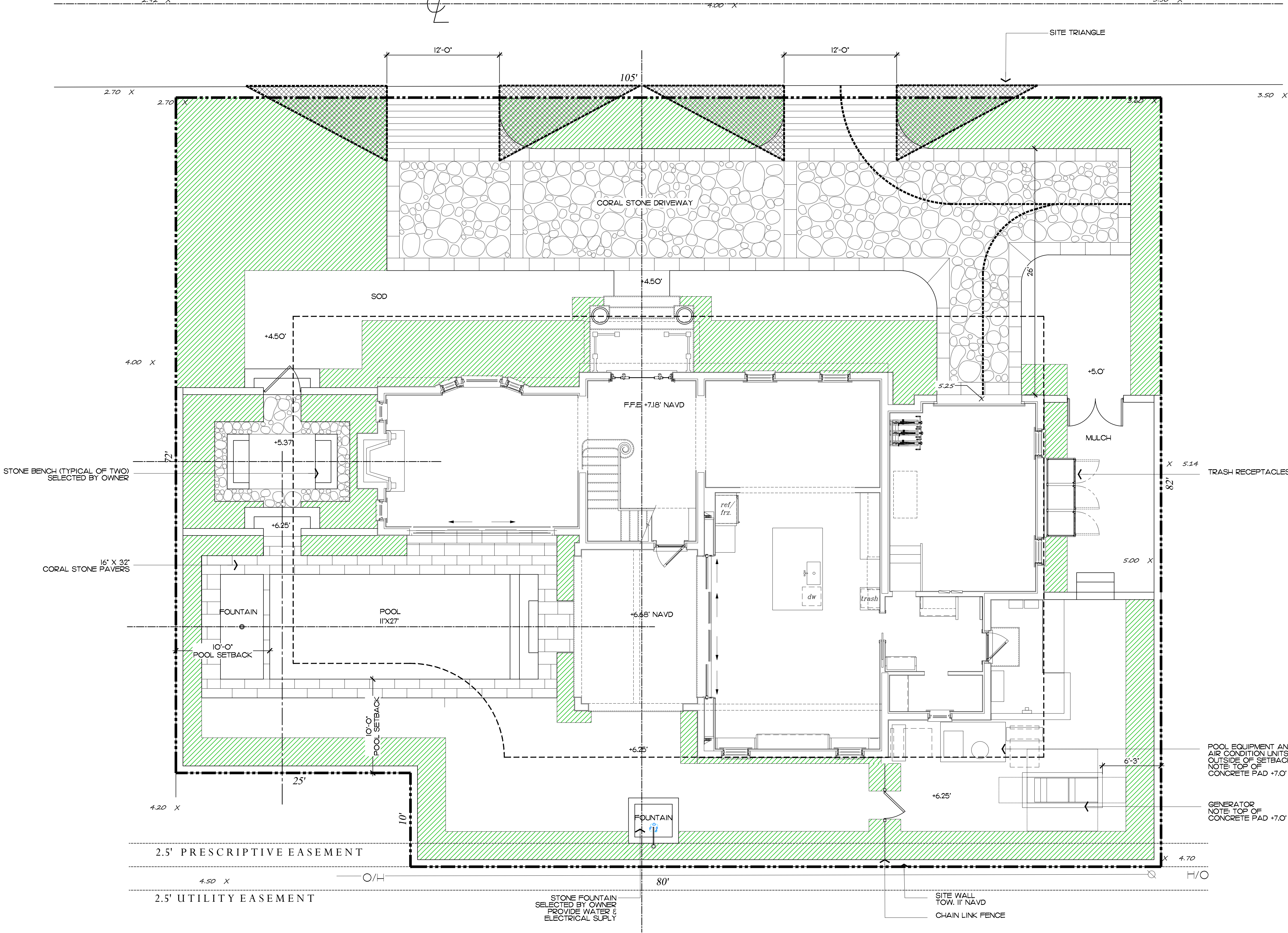
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248 Colonial Lane
Palm Beach



JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugnii
DATE: 08.22.2022
FINAL SUBMITTAL 09.09.2022

COLONIAL LANE



Proposed Materials

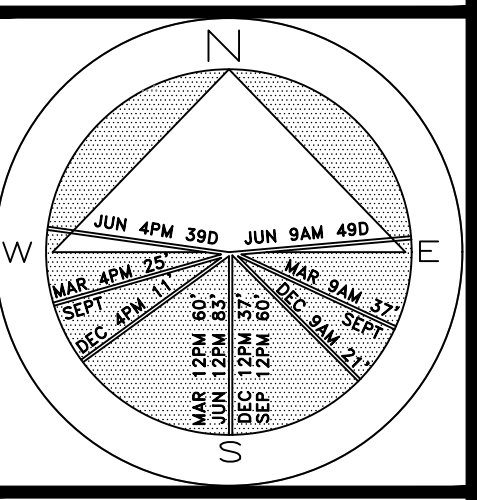


DRIVEWAY FIELD: CORAL STONE IRREGULAR PATTERN



POOL DECK: CORAL STONE PAVER 16' X 32'

Private Residence
248 Colonial Lane
Palm Beach



JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 07.19.2022
FINAL SUBMITTAL: 08.05.2022



POOL EQUIPMENT ENCLOSURE

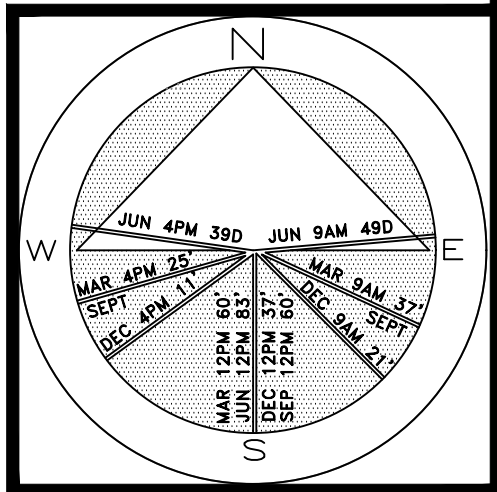
ARCOM# ARC-22-216
ZON-22-140
Site Plan
SCALE IN FEET: 3/16"=1'-0"

2023
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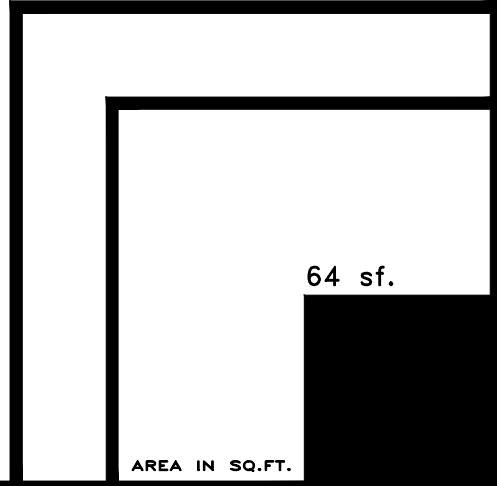
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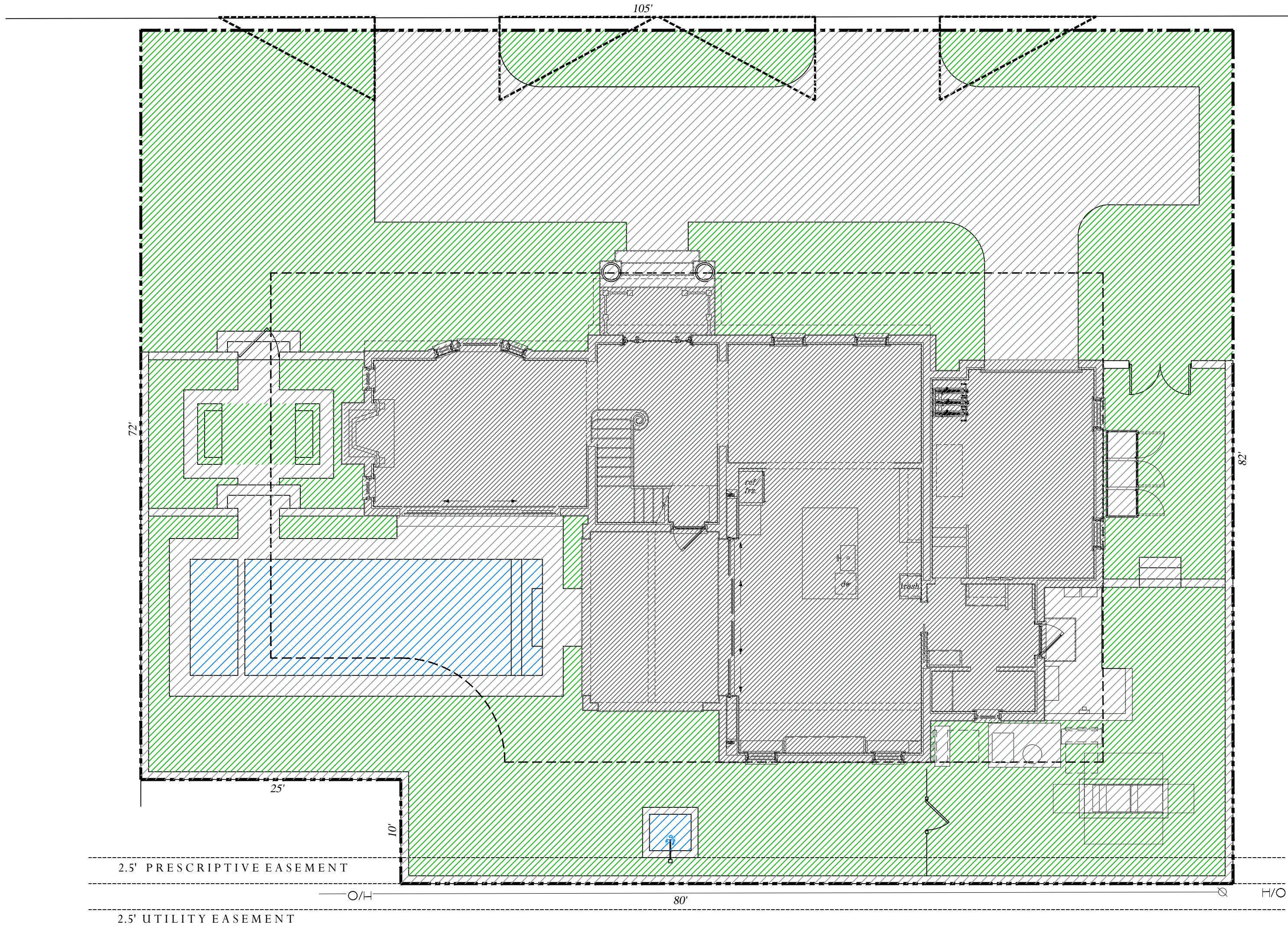


JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugrii
DATE: 07.25.2022
08.05.2022
01.04.2023

SHEET L7.1



COLONIAL LANE



Proposed Lot Coverage Graphic

Legend

- IMPERVIOUS AREA (HOUSE/STRUCTURE)
- IMPERVIOUS AREA (HARDSCAPE)
- IMPERVIOUS AREA (WATER FEATURE)
- PERVIOUS AREA / OPEN SPACE

Proposed Site Data

DESCRIPTION	REQUIRED		PROPOSED	
LOT ZONE			R-B - LOW DENSITY RESIDENTIAL	
LOT AREA	10,000 S.F. MINIMUM		8,360 S.F.	
OPEN / PERMEABLE SPACE	MINIMUM 45%	3,762 S.F.	45.29%	3,787 S.F.
FRONT YARD LANDSCAPE	MINIMUM 40% OF FRONT YARD	1,050 S.F.	51%	1,340 S.F.
PERIMETER LANDSCAPE WITHIN 10' OF PROPERTY LINE	MINIMUM 50% OF REQ'D OPEN SPACE	1,881 S.F.	61.8%	2,276 S.F.

ARCOM# ARC-22-216
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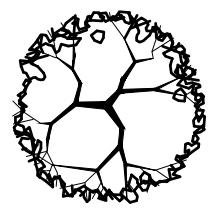







Site Calculation/Lot Coverage Graphics

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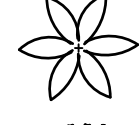
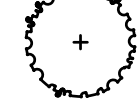
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

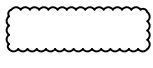
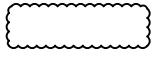
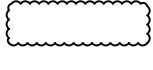
Trees

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	BURSERA SIMARUBA GUMBO LIMBO TREE	1	SPECIMEN TREE EXISTING TO BE RELOCATED	YES
	CITRUS SPP CITRUS TREE	4	6' OA HT	NO
	COCCOLOBA DIVERSIFOLIA PIGEON PLUM TREE	3	14' OA HT	YES
	CONOCARPUS ERECTUS GREEN BUTTONWOOD TREE	10	16' OA HT, 5' CT	YES
	ILEX X ATTENUATA 'EAGLESTON' EAGLESTON HOLLY	4	16' OA HT, 6' CT	YES
	ELAEOCARPUS DECIPIENS JAPANESE BLUEBERRY	6	8' OA HT	NO
	MONOON LONGIFOLIUM MAST TREE	4	16' OA HT	NO
	OLEA EUROPEA OLIVE TREE	1	14' OA HT, CHARACTER TRUNK	NO
TOTAL: NATIVE SPECIES:		33 18 (56.25%)		

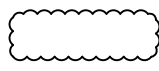
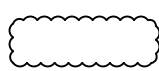

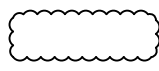


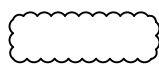
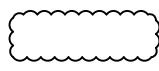
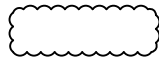
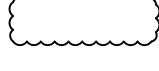
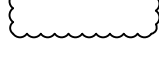
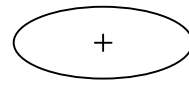
Palms

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	COCOS NUCIFERA COCONUT PALMS	2 4	10' GW, STRAIGHT TRUNK 22'-24' OA HT, STRAIGHT TRUNK	NO
	THRINAX RADIATA FLORIDA THATCH PALM	3	10'-12' HT	YES
	SABAL PALMETTO SABAL PALM	2	18' HT	YES
TOTAL: NATIVE SPECIES:		11 5 (45.45%)		

Vines, & Groundcovers

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	BOUGAINVILLEA SPP BOUGAINVILLEA VINE	7	8' OA HT, ESPALIER TO WALL	NO
	TRACHELOSPERMUM JASMINOIDES CONFEDERATE JASMINE VINE	4	7 GAL	NO
	FICUS PUMILA CREEPING FIG	5	12"	NO
	URECHITES LUTEA WILD ALLAMANDA APP	1	7 GAL	YES
	PHYLA FROG FRUIT	2385	4" LINEAR	YES
	TRACHELOSPERMUM ASIATICUM 'VARIEGATUM' VARIEGATED JASMINE MINIMA	305	12" LINEAR	NO
TOTAL: NATIVE SPECIES:		2707 2386 (88.17%)		

Shrubs

SYMBOL/KEY	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	CHRYSOBALANUS ICACO COCPLUM	150	7 GAL	YES
	CLUSIA GUTTIFERA CLUSIA HEDGE	111	6' OA HT	NO
	GARDENIA JASMINOIDES GARDENIA SPHERE	4	3' X 3'	NO
	GARDENIA JASMINOIDES GARDENIA STANDARD	2	8' OA HT, STANDARD	NO
	ILEX GLABRA INKBERRY	160	3 GAL, 18" OC	YES
	JASMINE SPP JASMINE	2	4' OA HT	NO
	TABERNAEMONTANA DIVARICATA CRAPE JASMINE	6	15 GAL 18" OC	NO
	BEGONIA ODORATA 'ALBA' WHITE BEGONIA	30	3 GAL 12" OC	NO
	FICUS MICROCARPA GREEN ISLAND FICUS	185	3 GAL 12" OC	NO
	MONSTERA DELICIOSA SWISS CHEESE PLANT	30	3 GAL 12" OC	NO
	MONSTERA DELICIOSA SWISS CHEESE PLANT	30	3 GAL 12" OC	NO
	RAVENALA MADAGASCARIENSIS TRAVELER PALM	12	14'-16' OA. HT.	NO
TOTAL: NATIVE SPECIES:		722 310 (42.99%)		

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

Native Landscape Legend

PROPERTY ADDRESS:	248 COLONIAL LANE	
	REQUIRED	PROPOSED
LOT SIZE (SQ FT)	10,000 SF MIN	8,360 SF
LANDSCAPE OPEN SPACE (LOS) (SQ FT AND %)	3,762 SF (MIN 45%)	3,787 SF (45.29%)
PERIMTETER LOS (SQ FT AND %)	1,881 SF (MIN 50% LOS)	2,276 SF (61.8%)
FRONT YARD LOS (SQ FT AND %)	1,050 SF (MIN 40%)	1,340 SF (51%)
NATIVE TREES %	35%	56.25%
NATIVE PALMS %	35%	45.45%
NATIVE SHRUBS %	35%	42.99%
NATIVE VINES / GROUND COVER %	35%	88.17%

Private Residence
248 Colonial Lane
Palm Beach

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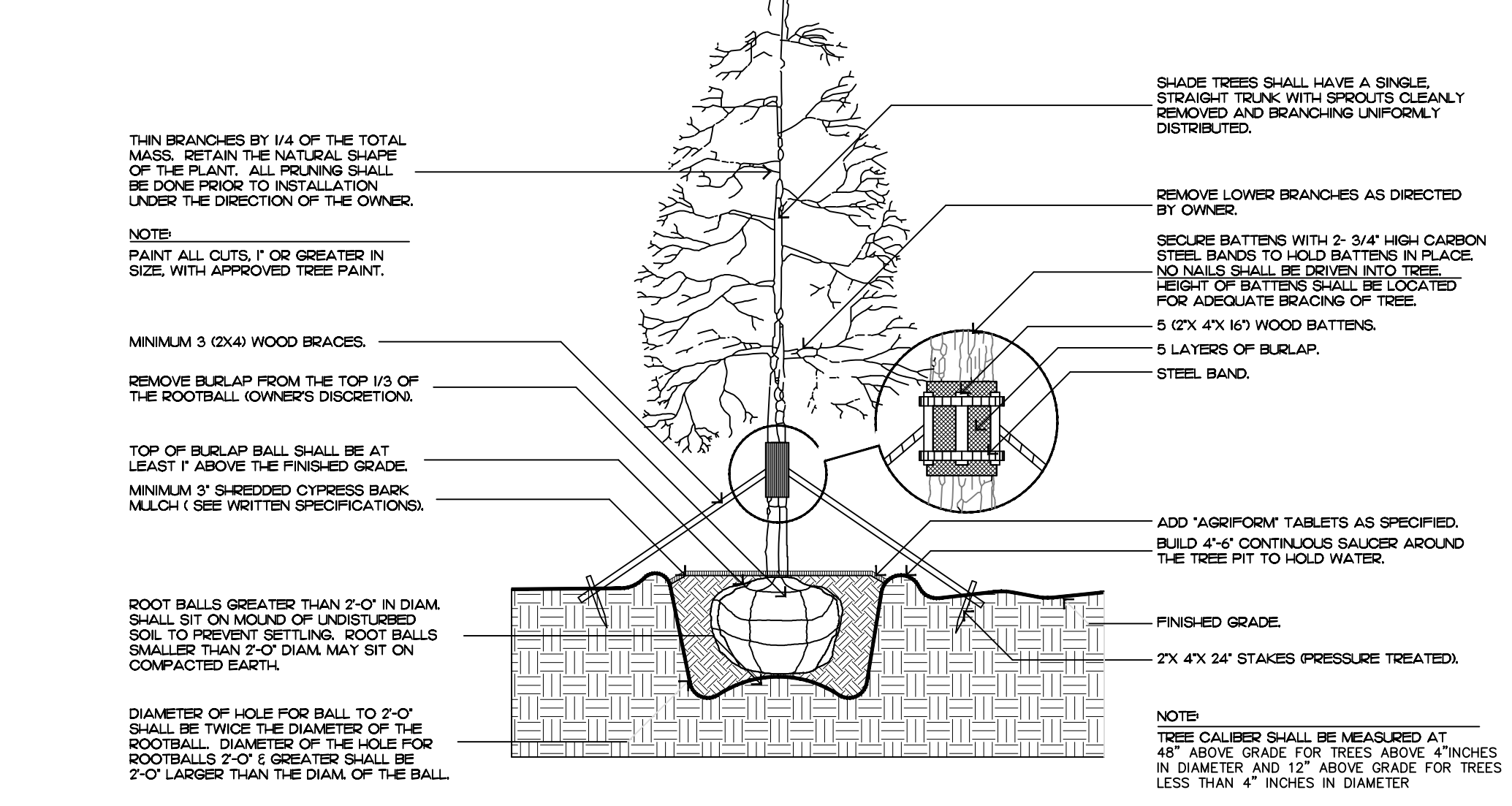
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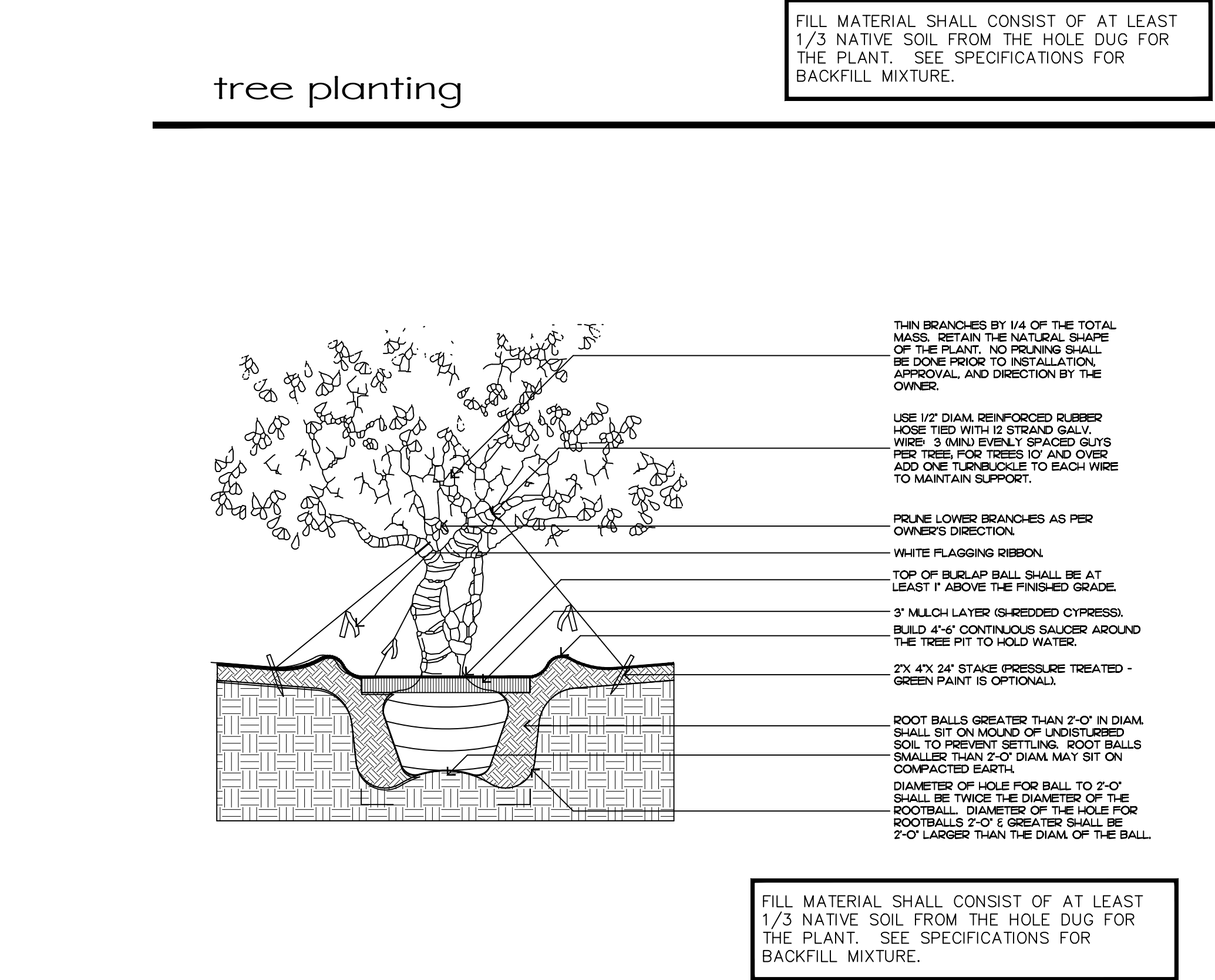
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JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Eugrill
DATE: 08.19.2022
FINAL SUBMITTAL: 09.09.2022
01.06.2023
02.01.2023

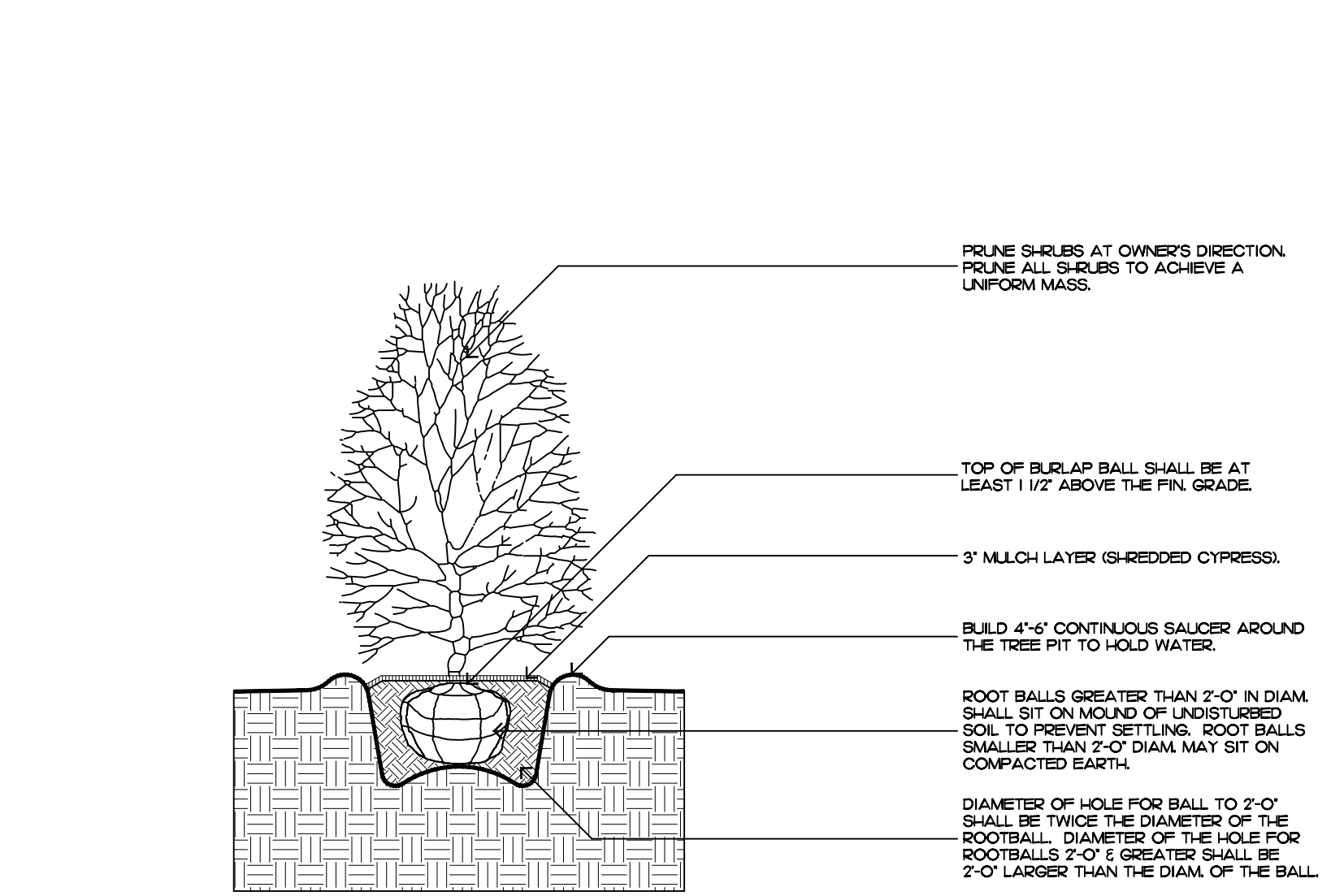
SHEET L8.2



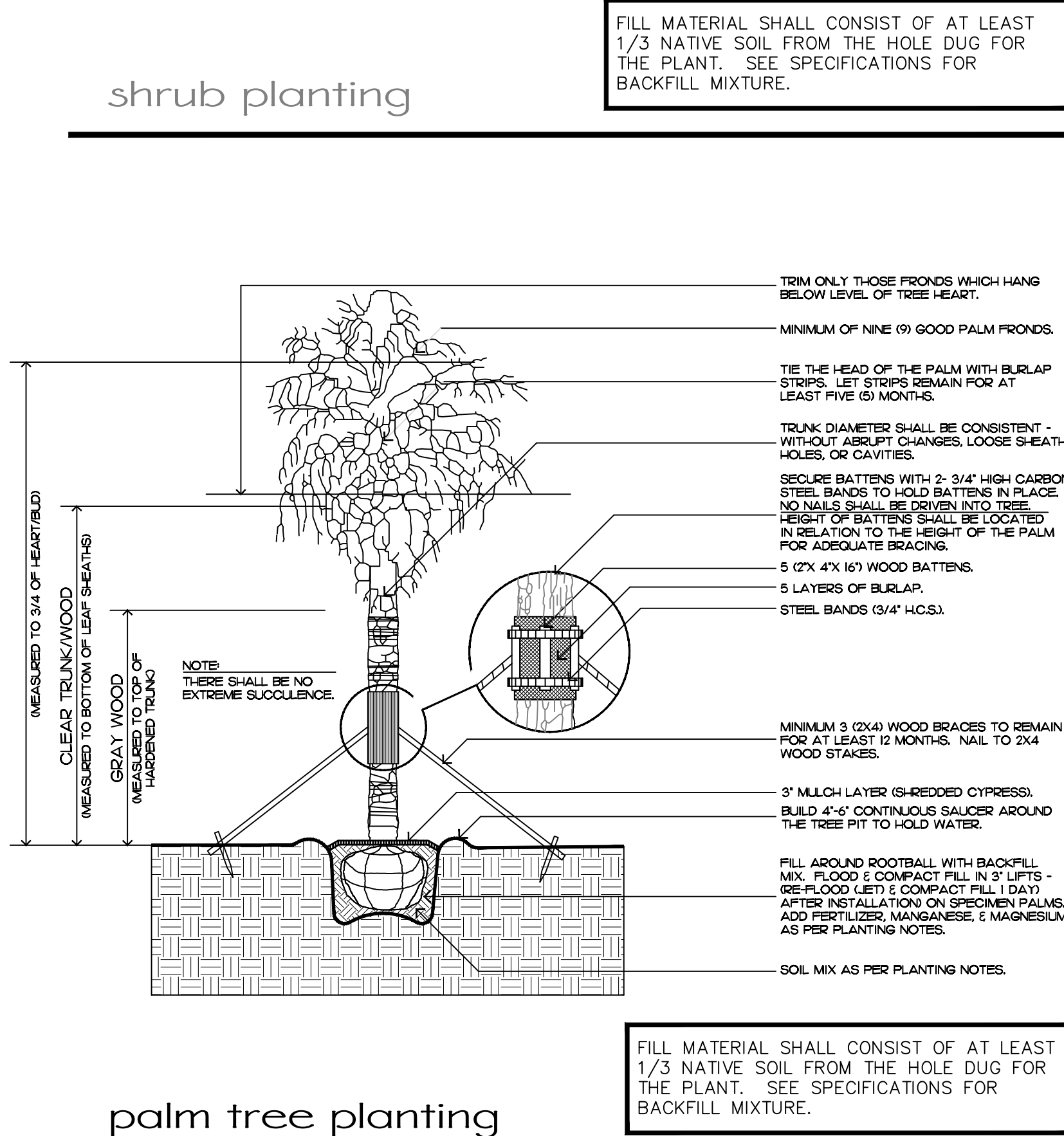
tree planting



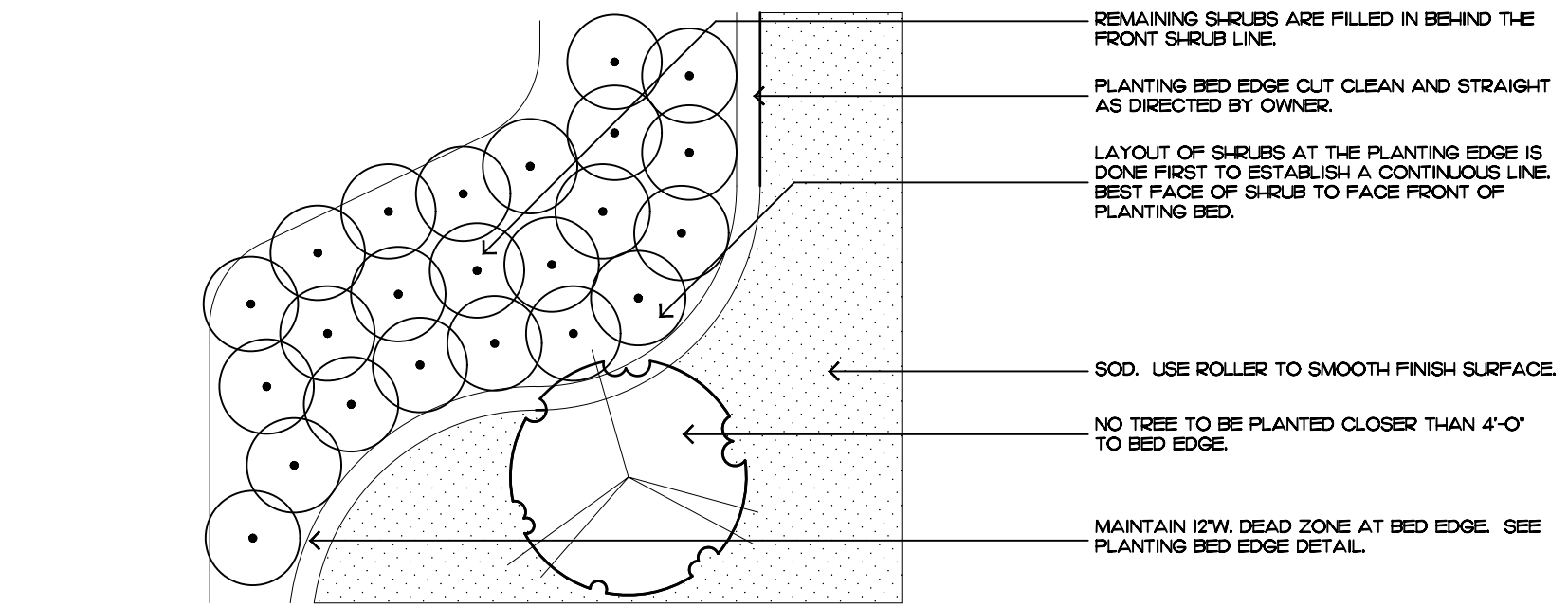
irregular and multi-stem tree



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 (1/3 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 CALIBER). 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 CALIBER. 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 BERBERIS 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 MEANS 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	17
○ WL	WELL LIGHT - AURORALIGHT - LWL5 LIGHTHAUS BRASS FINISH - 9 WATTS - LED 3000K	13
⊕ PL	PATH LIGHT - AURORALIGHT - LPL8 - CORONA BRASS FINISH - 4.5 WATTS - LED 3000K	6



UP LIGHT

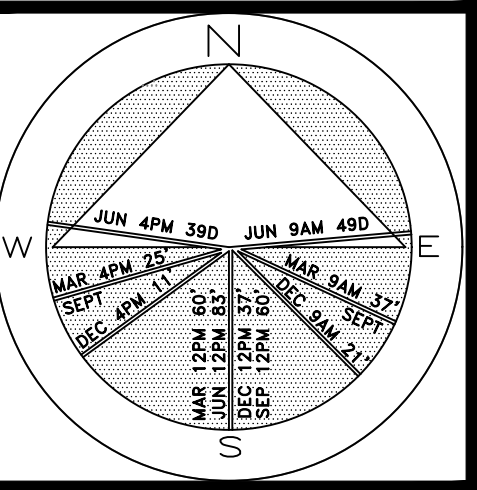


WELL LIGHT



PATH LIGHT

Private Residence
248 Colonial Lane
Palm Beach



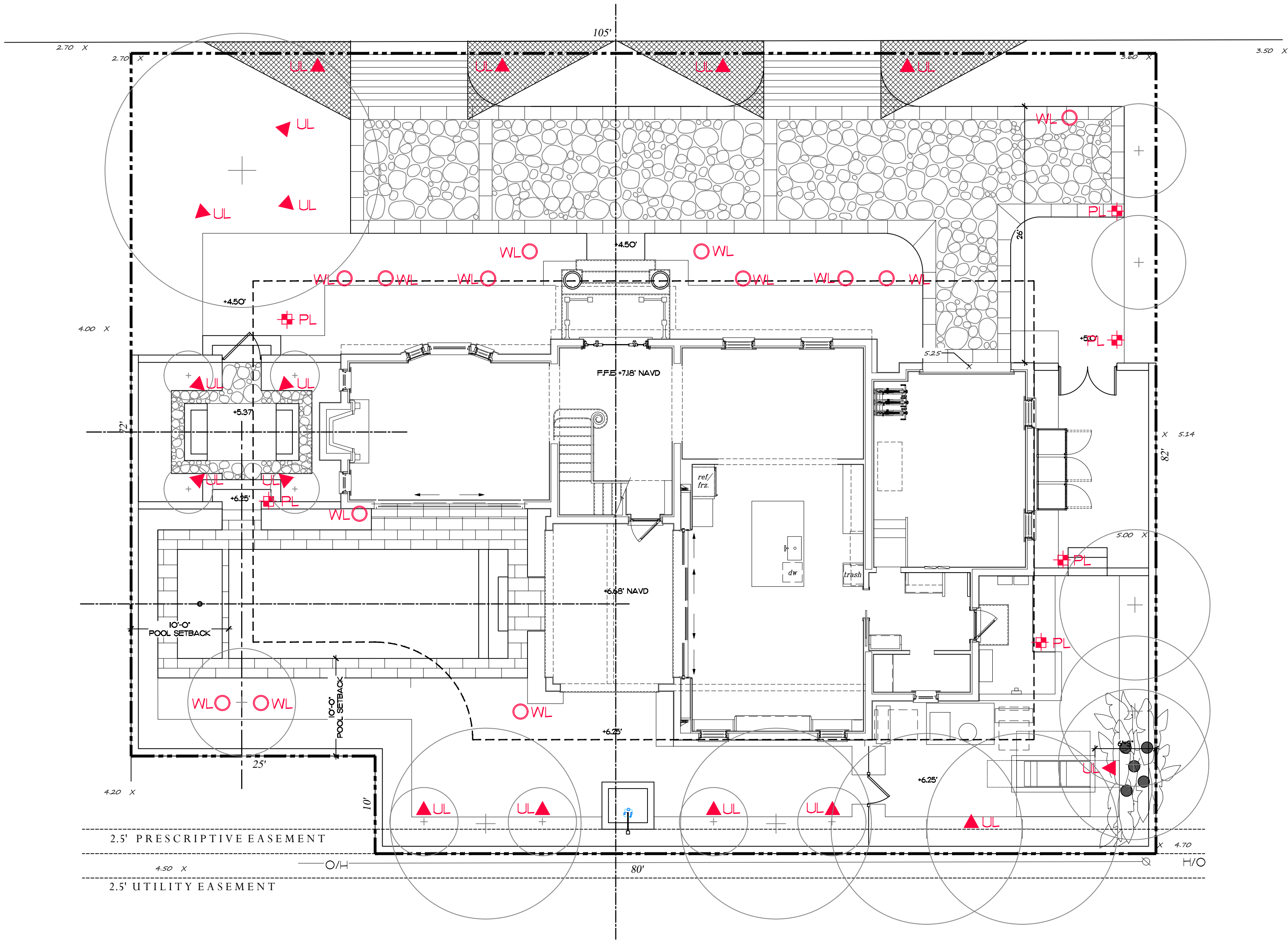
JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Bugnii
DATE: 08.25.2022
FINAL SUBMITTAL: 09.09.2022

SHEET L9.0

64 sf.

AREA IN SQ.FT.

COLONIAL LANE



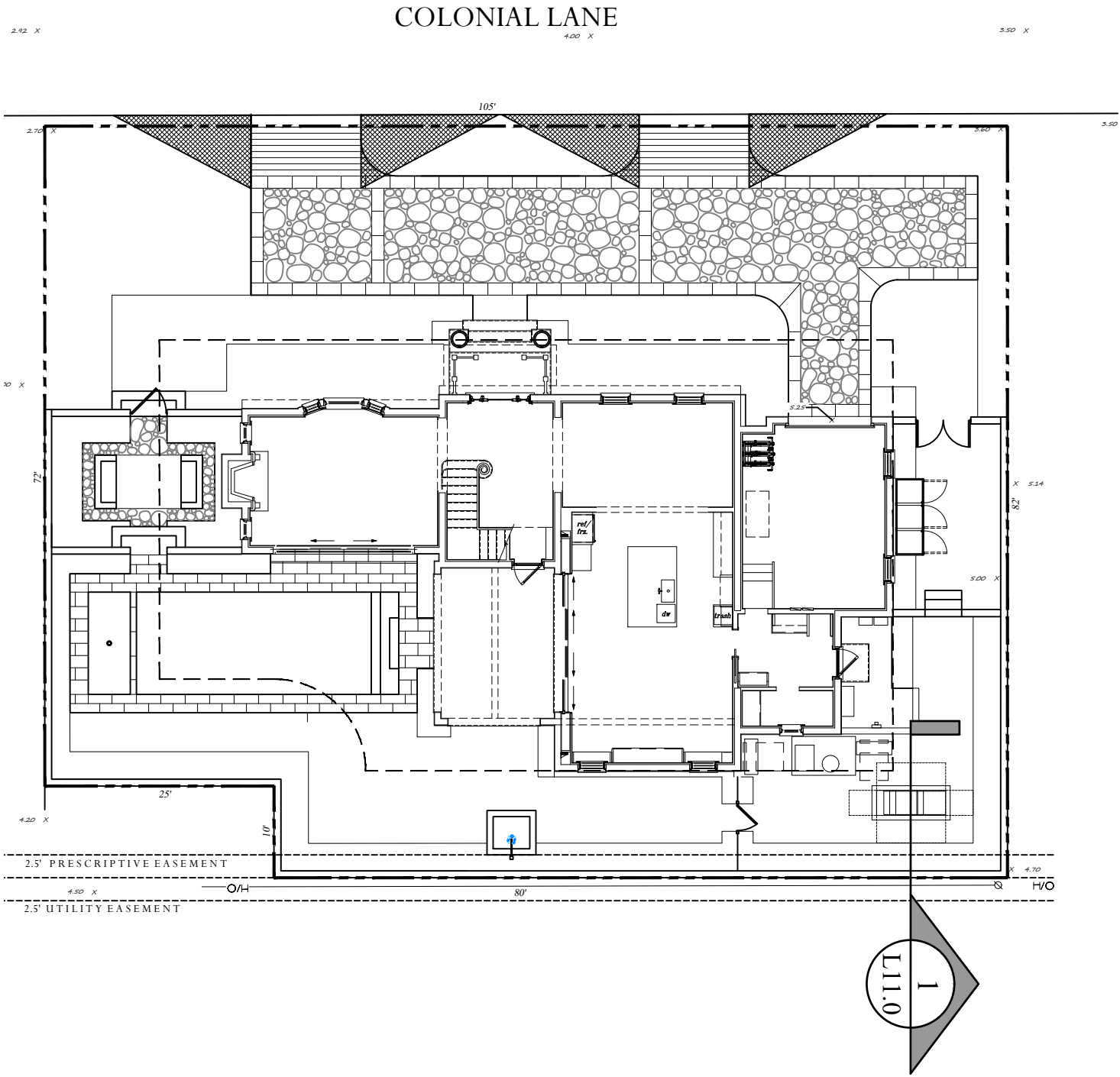
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48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

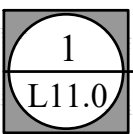
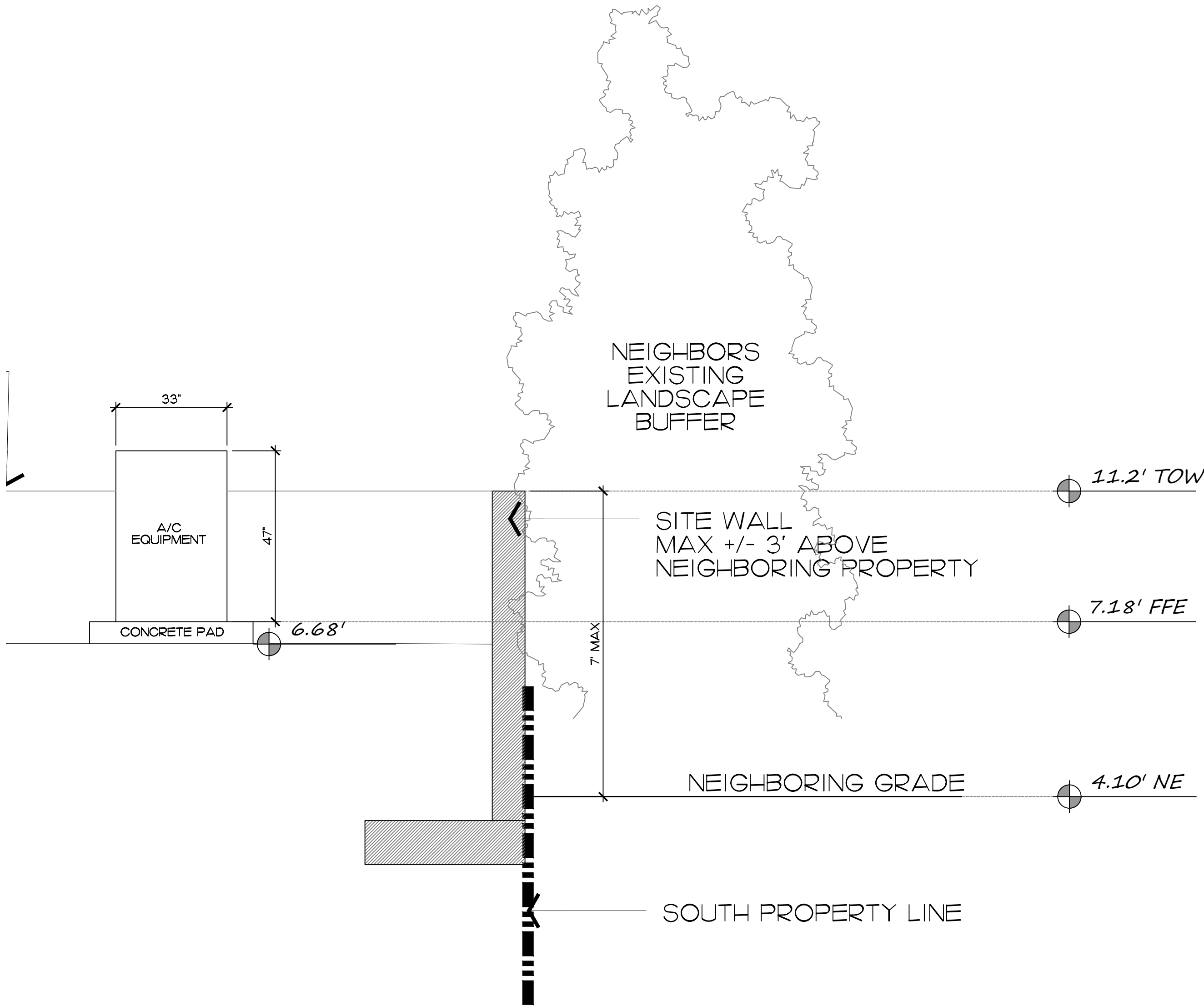
ARCOM# ARC-22-216
ZON-22-140
Landscape Lighting Plan

SCALE IN FEET 0' 8' 16' 24'



Site Plan

SCALE: 1/16" = 1'



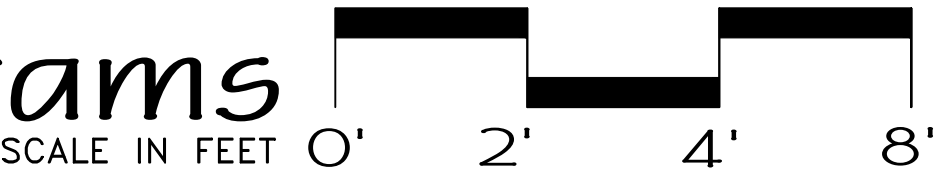
Generator Yard Section Diagram

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ARCOM# B-000-2021
Equipment Yard Section Diagrams

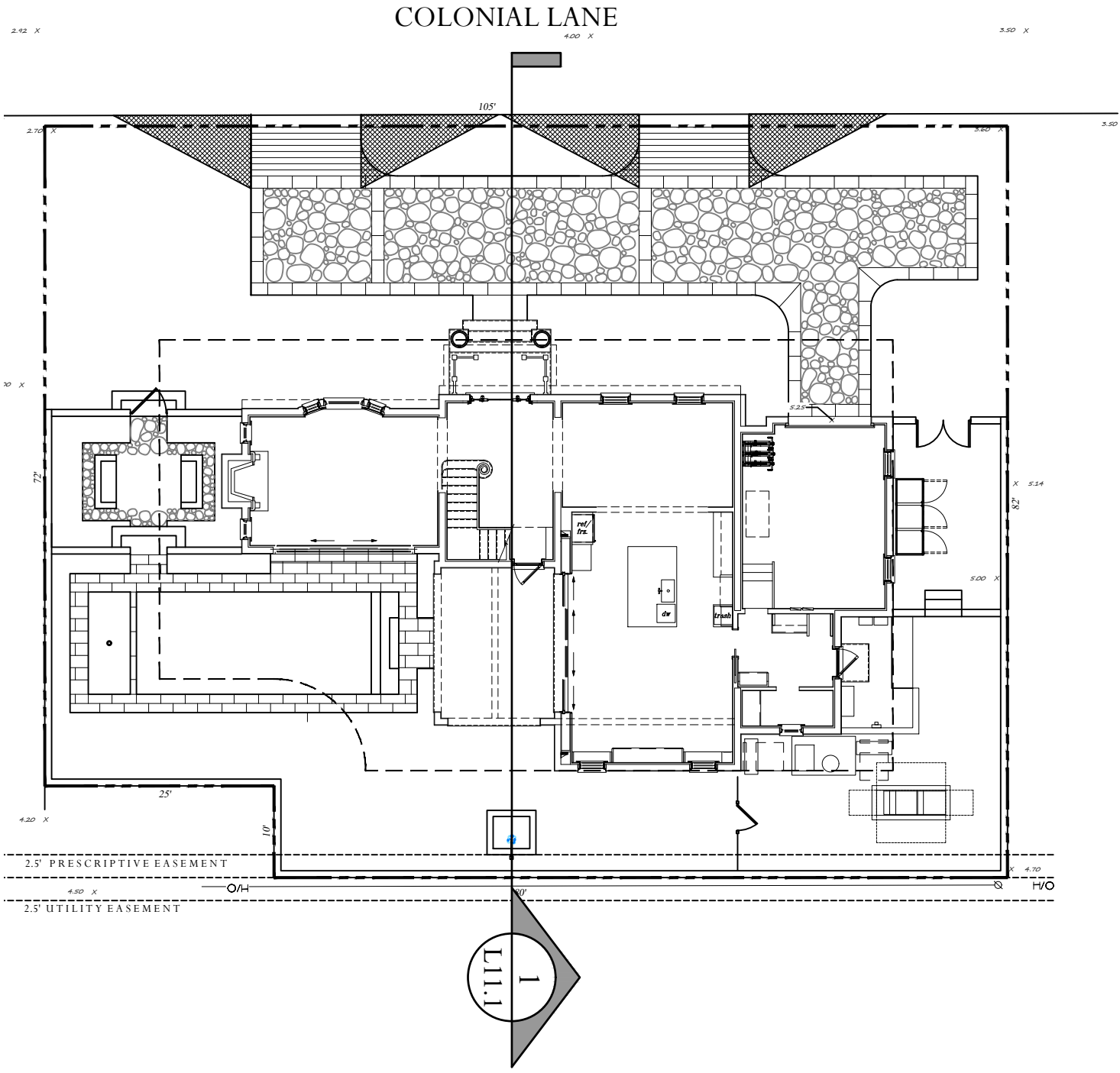


**ENVIRONMENT
DESIGN
GROUP**
139 North County Road 5420-B Palm Beach, FL 33480
Phone: 561.832.4600 Mobile: 561.313.4424
Landscape Architecture
Land Planning
Landscape Management
Dustin M. Mizell, M.L.A. P.L.A. #6666784
Dustin@environmentdesigngroup.com

Private Residence
248 Colonial Lane
Palm Beach

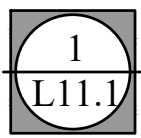
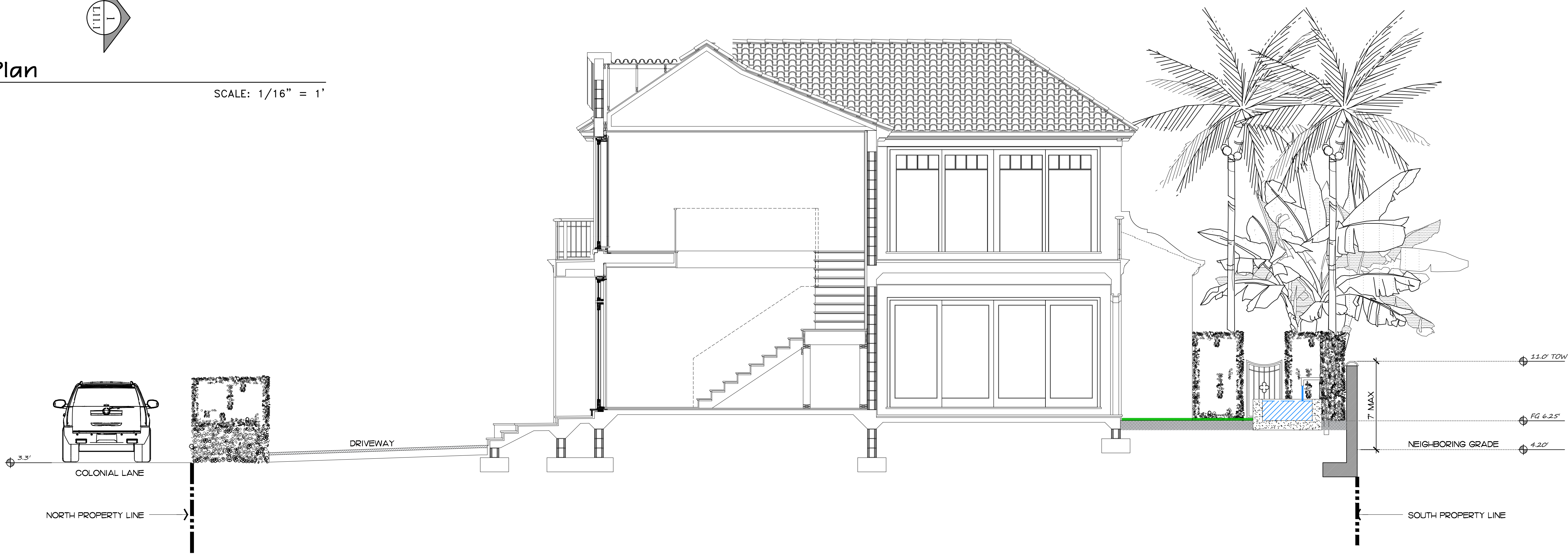
JOB NUMBER: # 22169.00 LA
DRAWN BY: Alex Eugrill
DATE: 09.09.2022

SHEET L11.0



Site Plan

SCALE: 1/16" = 1'



North - South Site Section

SCALE: 1/4" = 1'-0"

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ARCOM# ARC-22-216
ZON-22-140
Site Section Diagrams
SCALE IN FEET 0' 4' 8' 16'

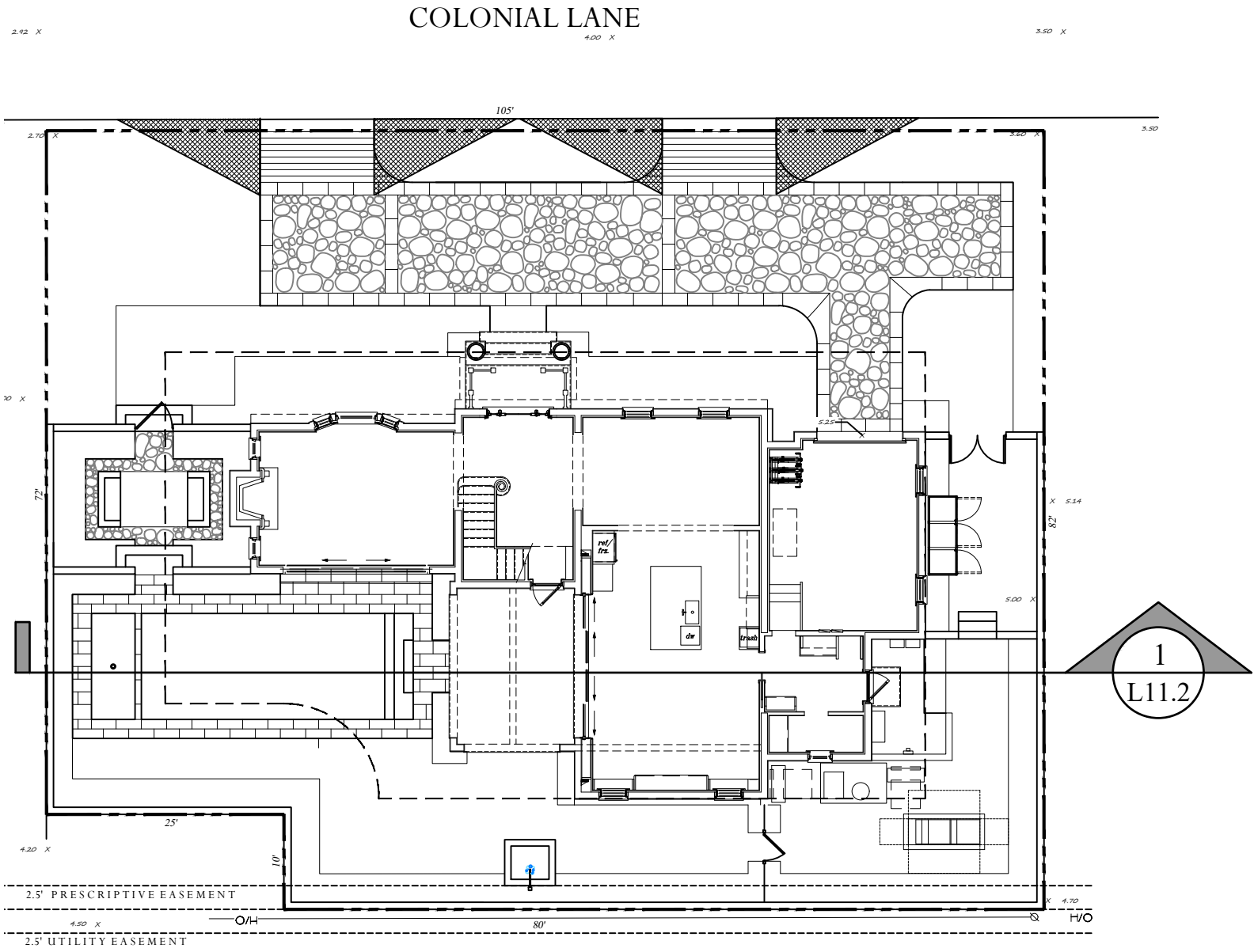
**ENVIRONMENT
DESIGN
GROUP**
139 North County Road 5420-8 Palm Beach, FL 33480
Phone: 561.832.4600 Mobile: 561.313.4424
Landscape Architecture
Land Planning
Landscape Management
Dustin M. Mizell, M.L.A. P.L.A. #6666784
Dustin@environmentdesigngroup.com

Private Residence
248 Colonial Lane
Palm Beach

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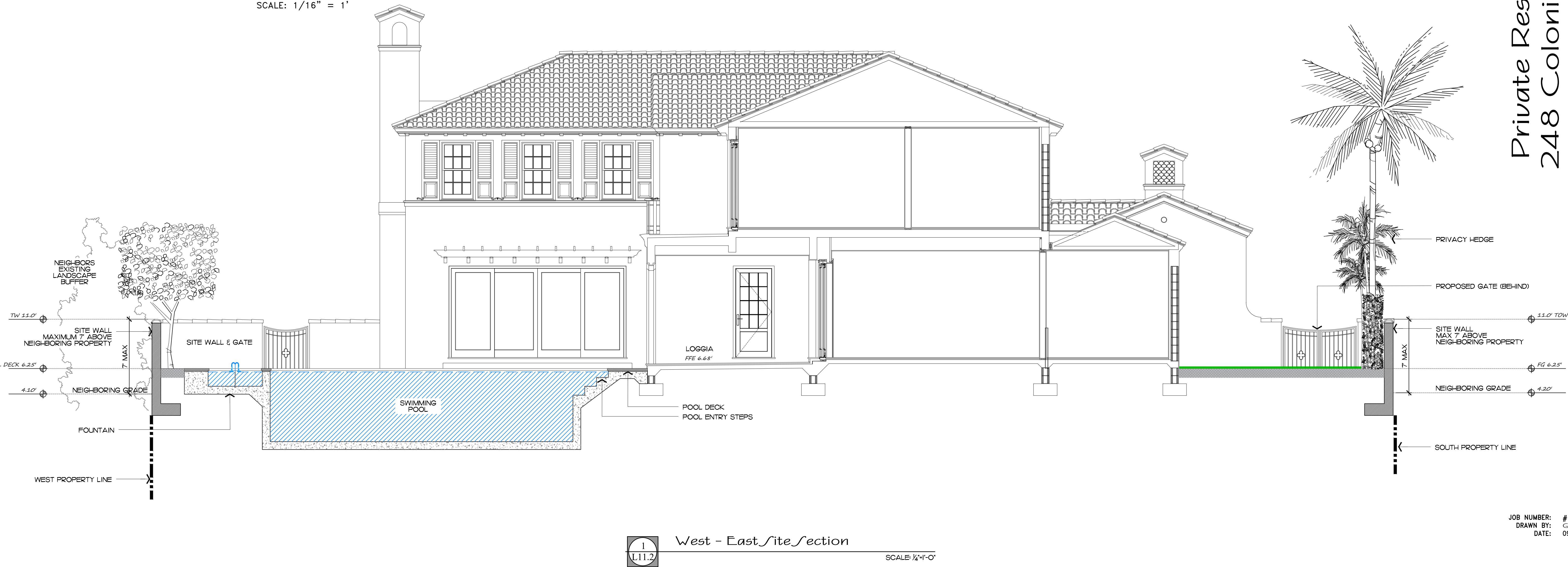
JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 09.09.2022

SHEET L11.1



Site Plan

SCALE: 1/16" = 1'



JOB NUMBER: # 22169.00 LA
DRAWN BY: Grace Walton
DATE: 09.09.2022

SHEET L11.2

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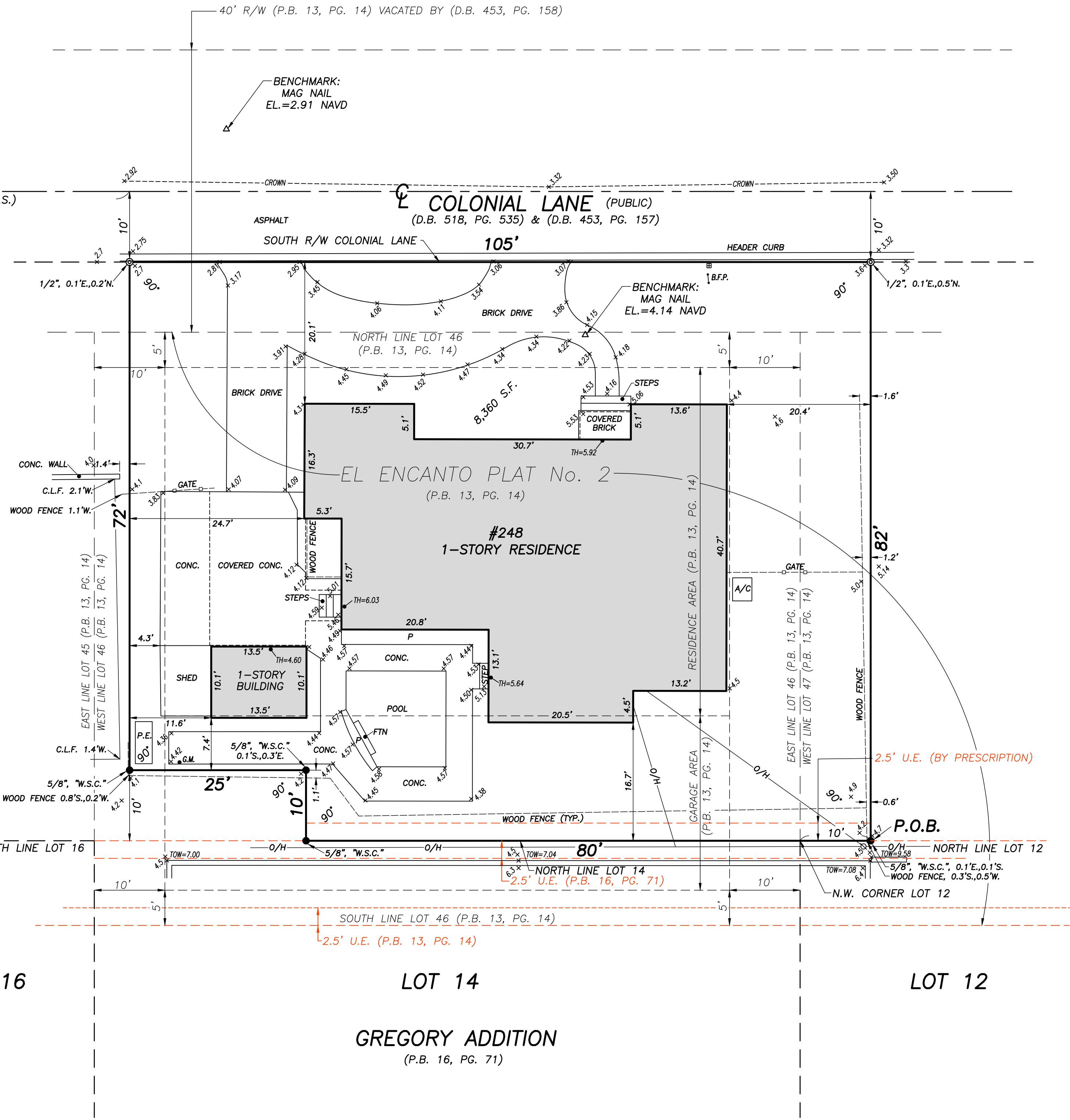
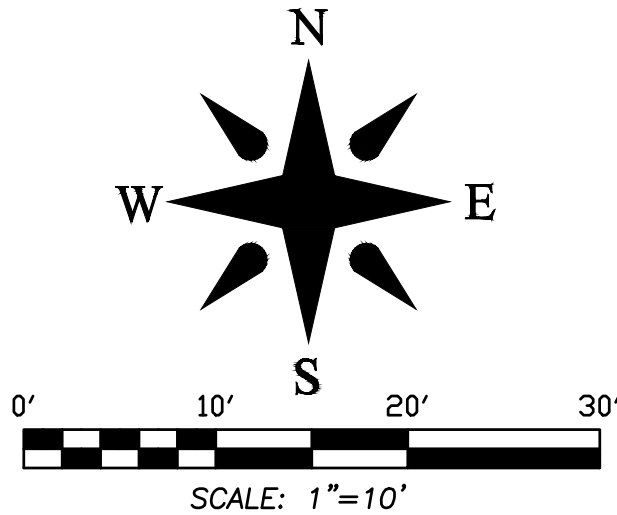
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SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

ARCOM# ARC-22-216
ZON-22-140
Site Section Diagrams
SCALE IN FEET 0' 4' 8' 16'

LEGEND

- A = ARC LENGTH
A/C = AIR CONDITIONING
A.E. = ACCESS EASEMENT
A.K.A. = ALSO KNOWN AS
B.F.P. = BACKFLOW PREVENTER
BLDG. = BUILDING
B.M. = BENCHMARK
B.O.C. = BACK OF CURB
B.O.W. = BACK OF WALK
(C) = CALCULATED
CATV = CABLE ANTENNA TELEVISION
C.B. = CHORD BEARING
C.B.S. = CONCRETE BLOCK STRUCTURE
C.C.C.L. = COASTAL CONSTRUCTION CONTROL LINE
CH = CHORD
C.L.F. = CHAIN LINK FENCE
CLR. = CLEAR
C.M.P. = CORRUGATED METAL PIPE
CONC. = CONCRETE
(D) = DESCRIPTION DATUM
D.B. = DEED BOOK
D.E. = DRAINAGE EASEMENT
D.H. = DRILL HOLE
DW = DRIVEWAY
EL. = ELEVATION
ENC. = ENCROACHMENT
E.O.P. = EDGE OF PAVEMENT
E.O.W. = EDGE OF WATER
ESM'T = EASEMENT
F.F. = FINISH FLOOR
FND. = FOUND
FTN = FOUNTAIN
G.M. = GAS METER
INV. = INVERT
I.T.W.C.D. = INDIAN TRAIL WATER CONTROL DISTRICT
L.A.E. = LIMITED ACCESS EASEMENT
L.B. = LICENSE BOARD
L.W.D.D. = LAKE WORTH DRAINAGE DISTRICT
(M) = FIELD MEASUREMENT
M.H. = MANHOLE
M.H.W.L. = MEAN HIGH WATER LINE
M.L.W.L. = MEAN LOW WATER LINE
N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM
N.P.B.C.I.D. = NORTHERN PALM BEACH COUNTY IMPROVEMENT DISTRICT
N.T.S. = NOT TO SCALE
O.A. = OVERALL
O.D. = OUTSIDE DIAMETER
O.H. = OVERHEAD UTILITY LINE
O.R.B. = OFFICIAL RECORD BOOK
P. = PLANTER
(P) = PLAT DATUM
P.B. = PLAT BOOK
P.B.C. = PALM BEACH COUNTY
P.C. = POINT OF CURVATURE
P.C.C. = POINT OF COMPOUND CURVATURE
P.E. = POOL EQUIPMENT
PG. = PAGE
P.I. = POINT OF INTERSECTION
P.O. = POINT OF BEGINNING
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
P.R.C. = POINT OF REVERSE CURVATURE
P.R.M. = PERMANENT REFERENCE MONUMENT
PROP. = PROPOSED
P.T. = POINT OF TANGENCY
P.V.M.T. = PAVEMENT
(R) = RADIAL
R. = RADIUS
R.GE. = RANGE
R.P.B. = ROAD PLAT BOOK
R/W. = RIGHT OF WAY
(S) = SURVEY DATUM
S.B. = SETBACK
SEC. = SECTION
S/D. = SUBDIVISION
S.F. = SQUARE FEET
S.F.W.M.D. = SOUTH FLORIDA WATER MANAGEMENT DISTRICT
S.I.R.W.C.D. = SOUTH INDIAN RIVER WATER CONTROL DISTRICT
S.R. = STATE ROAD
STA. = STATION
STY. = STORY
TH. = THRESHOLD ELEVATION
T.O.B. = TOP OF BANK
TOW. = TOP OF WALL ELEVATION
TWP. = TOWNSHIP
TYP. = TYPICAL
U/C. = UNDER CONSTRUCTION
U.E. = UTILITY EASEMENT
U.R. = UNRECORDED
W.C. = WITNESS CORNER
W.M.E. = WATER MANAGEMENT EASEMENT
W.M.M.E. = WATER MANAGEMENT MAINTENANCE EASEMENT
W.M.T. = WATER MANAGEMENT TRACT
= BASELINE
= CENTERLINE
= CENTRAL ANGLE/Delta
= CONCRETE MONUMENT FOUND (AS NOTED)
= CONCRETE MONUMENT SET (LB #4569)
= ROD & CAP FOUND (AS NOTED)
= 5/8" ROD & CAP SET (LB #4569)
= IRON PIPE FOUND (AS NOTED)
= IRON ROD FOUND (AS NOTED)
= NAIL FOUND
= NAIL & DISK FOUND (AS NOTED)
= MAG NAIL & DISK SET (LB #4569)
= PROPERTY LINE
= UTILITY POLE
= FIRE HYDRANT
= WATER METER
= WATER VALVE
= LIGHT POLE
= PINE TREE
= SABAL PALM



LOT 16

LOT 14

LOT 12

GREGORY ADDITION
(P.B. 16, PG. 71)

FLOOD ZONE:

This property is located in Flood Zone AE (EL 6), according to F.I.R.M. (Flood Insurance Rate Map) No. 12099C 0393F, dated 10/05/2017.

NOTES:

- All information regarding record easements, adjoiners, and other documents that might affect the quality of title to tract shown hereon was gained from **commitment number ?????, issued by ?????, dated ?????, 2000.**
- This office has made no search of the Public Records.
- Elevations shown hereon, if any, are in feet and decimal parts thereof and are based on NAVD-88. The expected accuracy of the elevations shown hereon is 0.03' for the hard surface elevations (shown thus x 0.00) and 0.1' (shown thus x 0.0) for the soft surface elevations. Elevations shown hereon are U.S. survey feet unless otherwise noted.
- Description furnished by client or client's agent.
- Unless presented in digital form with electronic seal and electronic signature this survey must bear the signature and the original raised seal of a Florida licensed surveyor or mapper this drawing, sketch, plat or map is for informational purposes only and is not valid.
- This survey cannot be transferred or assigned without the specific written permission of Wallace Surveying Corporation. Certificate of Authorization Number LB4569.
- Except as shown, underground and overhead improvements are not located. Underground foundations not located.
- The survey sketch shown hereon does not necessarily contain all of the information obtained or developed by the undersigned surveyor in his field work, office work or research.
- No responsibility is assumed by this surveyor for the construction of improvements, from building ties shown on this survey.
- Revisions shown hereon do not represent a "survey update" unless otherwise noted.
- All dates shown within the revisions block hereon are for interoffice filing use only and in no way affect the date of the field survey stated herein.
- In some instances, graphic representations have been exaggerated to more clearly illustrate the relationships between physical improvements and/or lot lines. In all cases, dimensions shown shall control the location of the improvements over scaled positions.
- It is a violation of Rule 5J-17 of the Florida Administrative Code to alter this survey without the express prior written consent of the Surveyor. Additions and/or deletions made to the face of this survey will make this survey invalid.
- The ownership of fences, perimeter walls and/or hedges shown hereon are not known and thus are not listed as encroachments. Fences, hedges and/or perimeter walls are shown in their relative position to the boundary.
- The expected horizontal accuracy of the information shown hereon is +/- 0.10'.

CERTIFICATION:

I HEREBY ATTEST that the survey shown hereon conforms to the Standards of Practice set forth by the Florida Board of Professional Surveyors and Mappers adopted in Rule 5J-17, Florida Administrative Code pursuant to Section 472.027, Florida Statutes, effective September 1, 1981.

DATE OF LAST FIELD SURVEY: 12/30/2019

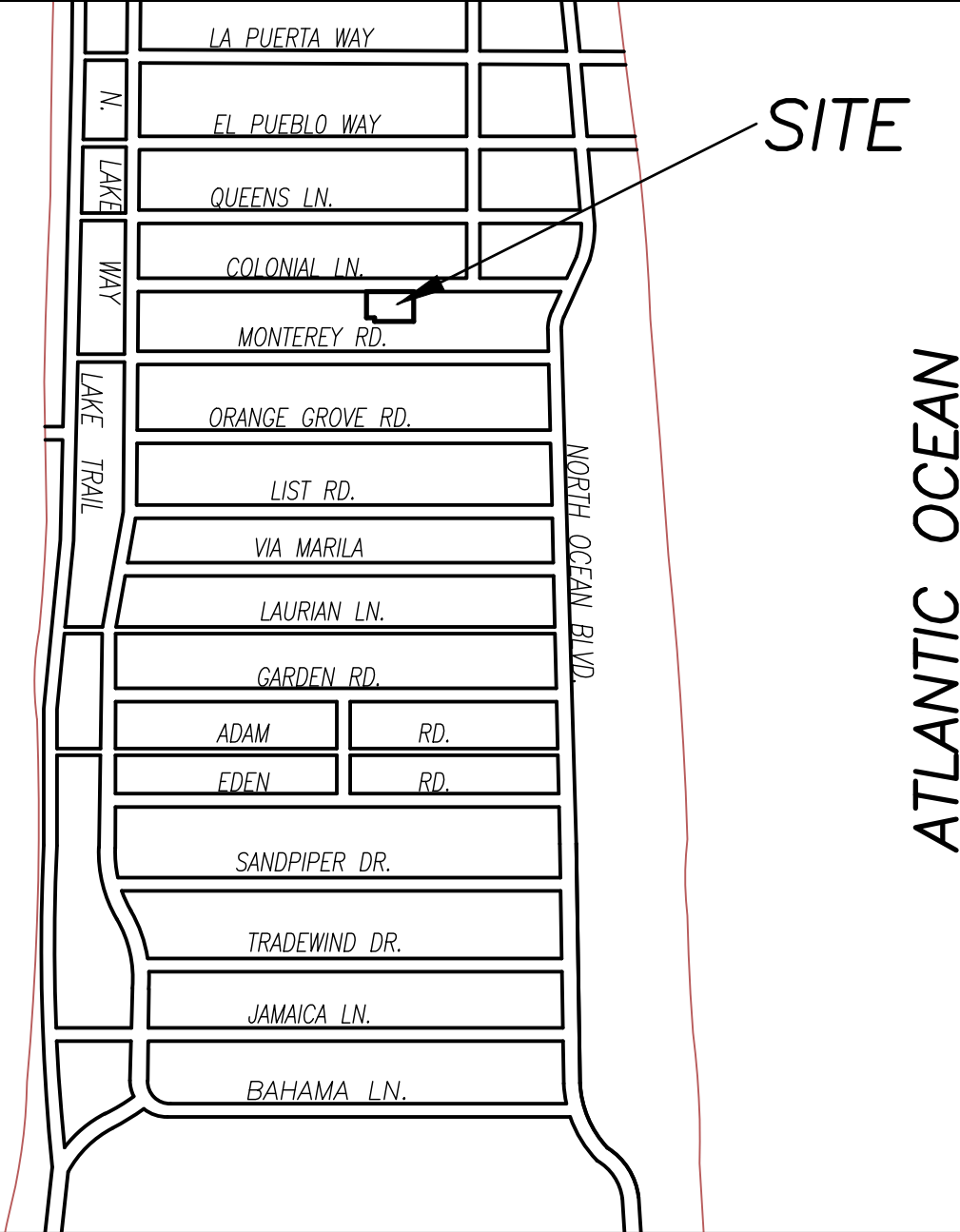
Craig L. Wallace
Professional Surveyor and Mapper
Florida Certificate No. 3357



LAKE WORTH LAGOON

ATLANTIC OCEAN

VICINITY SKETCH N.T.S.



BOUNDARY SURVEY FOR:
MATTHEW MIRONES

This survey is made specifically and only for the following party for the purpose of design on the surveyed property.

Matthew Mirones

The undersigned surveyor assumes no responsibility or liability for any other purpose or to any other party other than stated above.

PROPERTY ADDRESS:

248 Colonial Lane
Palm Beach, FL 33480

LEGAL DESCRIPTION:

All that tract or parcel of land beginning at a point in the North line of Lot 12, GREGORY ADDITION, to the Town of Palm Beach, Palm Beach County, Florida, according to the Plat thereof on file in the Office of the Clerk of the Circuit Court in and for Palm Beach County, Florida, recorded in Plat Book 16, Page 71, which point is 10 feet Easterly from the Northwest corner of the said Lot 12; thence in a Westerly direction along the North line of Lots 12 and 14 of said GREGORY ADDITION, for a distance of 80 feet; thence at right angles, running in a Northerly direction for a distance of 10 feet; thence at right angles to the preceding course, Westerly along a line parallel to and 10 feet Northerly from the North line of said Lots 12 and 14, for a distance of 25 feet; thence at right angles to the preceding course, running in a Northerly direction for a distance of 72 feet to a point in the South right-of-way line of Colonial Lane; thence in an Easterly direction along said North line for a distance of 105 feet; thence at right angles to the preceding course, running in a Southerly direction for a distance of 82 feet to the POINT OF BEGINNING.

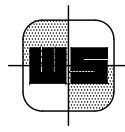
Together with all the tenements, hereditaments, and appurtenances thereto belonging or in anywise appertaining.

REVISIONS:

08/26/22 ADD EASEMENT SOUTH PROPERTY LINE J.P.
07/15/22 SPOT ELEVATIONS C.E./S.W. 19-1599.3 PB335/32

BOUNDARY SURVEY FOR:

MATTHEW MIRONES



WALLACE SURVEYING
CORP. LICENSED BUSINESS # 4069
5555 VILLAGE BOULEVARD, WEST PALM BEACH, FLORIDA 33407 * (561) 640-6551

FIELD	J.C.	JOB NO.	19-1599.1	F.B.	PB288	PG.	65
OFFICE	M.B.	DATE	12/30/19	DWG. NO.	19-1599		
C'K'D	C.W.	REF.	19-1599.DWG	SHEET	1	OF	1