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MARIO F. NIEVERA
State of Florida
Landscape Architect
Registration No.
6666856

OVERALL SITE PLAN
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



NIEVERA WILLIAMS
DESIGN

625 N. Flagler Drive
Suite 502
West Palm Beach, FL 33401
P: 561-659-2820
F: 561-659-2113

NIEVERAWILLIAMS.COM

**FRAMEWORK
PLAN**

ARC-23-065
ZON-23-060

SCALE: 1/16" = 1'-0"

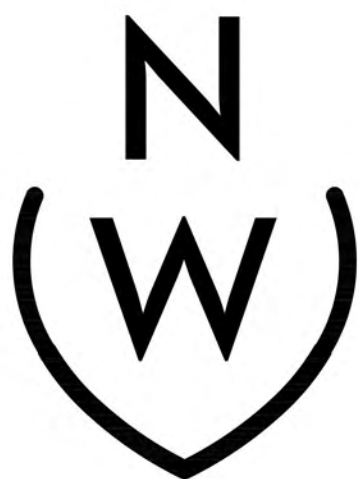
MARIO F. NIEVERA

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6666856

SCALE: 1/16"=1'-0"

EAST TO WEST LONGITUDINAL SECTION
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

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EL5

ARC-23-065
ZON-23-060



EAST TO WEST LONGITUDINAL SECTION: 1/16" = 1'



EAST EXTERIOR ELEVATION SCALE: 1/8" = 1'



EAST INTERIOR ELEVATION SCALE: 1/8" = 1'

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EAST INTERIOR/ EXTERIOR ELEVATIONS
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

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

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
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WEST ELEVATION SCALE: 1/8" = 1'

MARIO F. NIEVERA

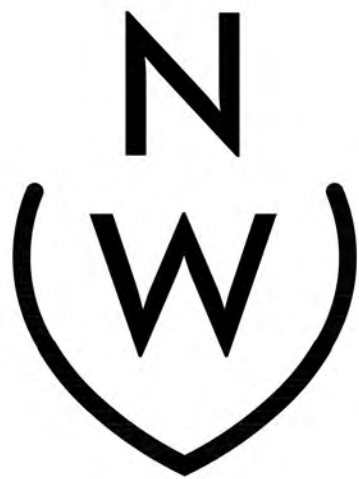
State of Florida
Landscape Architect
Registration No.
6666856

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

WEST ELEVATION
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
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SOUTH ELEVATION- WEST SCALE: 1/8" = 1'



SOUTH ELEVATION- EAST SCALE: 1/8" = 1'

MARIO F. NIEVERA

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

SOUTH ELEVATION
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

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EL3

ARC-23-065
ZON-23-060



NORTH ELEVATION- EAST SCALE: 1/8" = 1'



NORTH ELEVATION- WEST SCALE: 1/8" = 1'

MARIO F. NIEVERA

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6666856

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

NORTH ELEVATION
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
01 MAY 2023
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20 FEB 2023



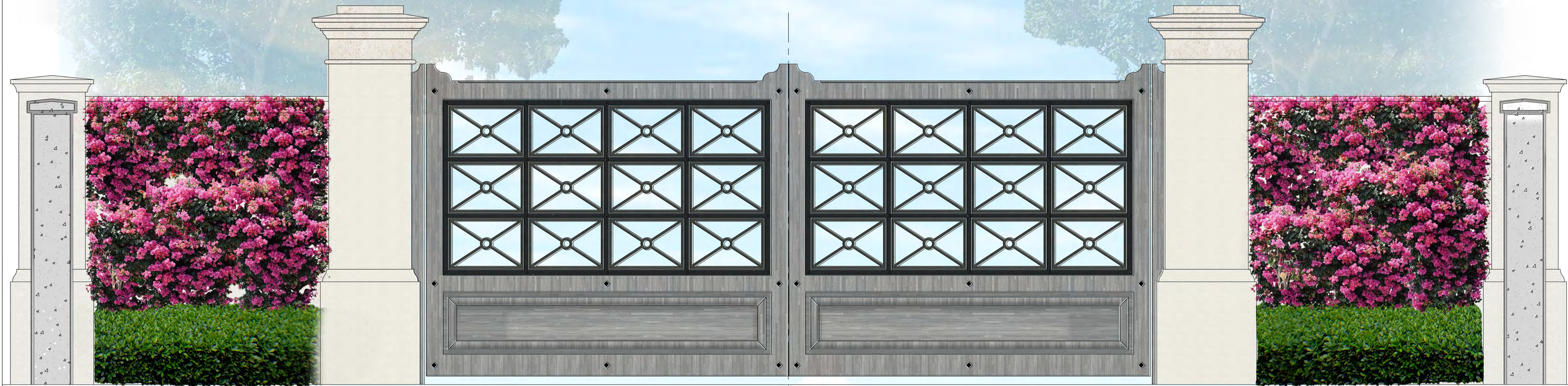
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EL4

ARC-23-065
ZON-23-060



1 FRONT ENTRY GATE DETAIL
D1 SCALE: 1"=1'-0"

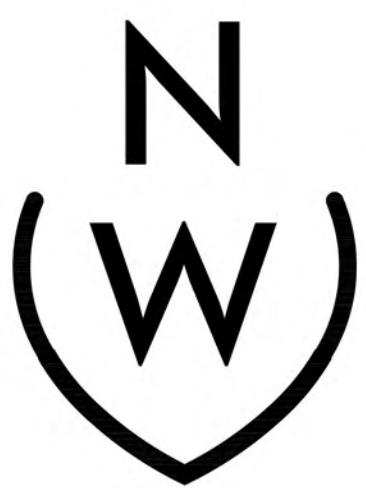
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GATE DETAILS
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
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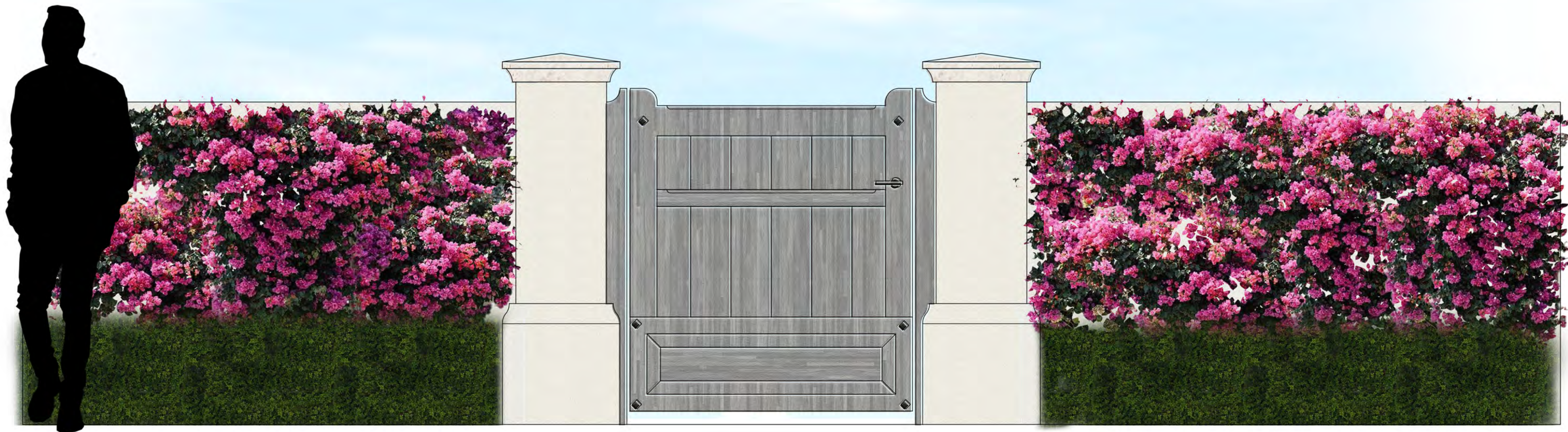
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D1

ARC-23-065
ZON-23-060

SCALE: 1"=1'-0"



1 WEST PEDESTRIAN GATE DETAIL
D2 SCALE: 1"=1'-0"



2 NORTH PEDESTRIAN GATE DETAIL
D2 SCALE: 1"=1'-0"

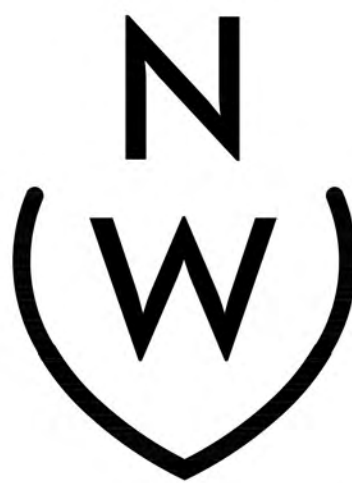
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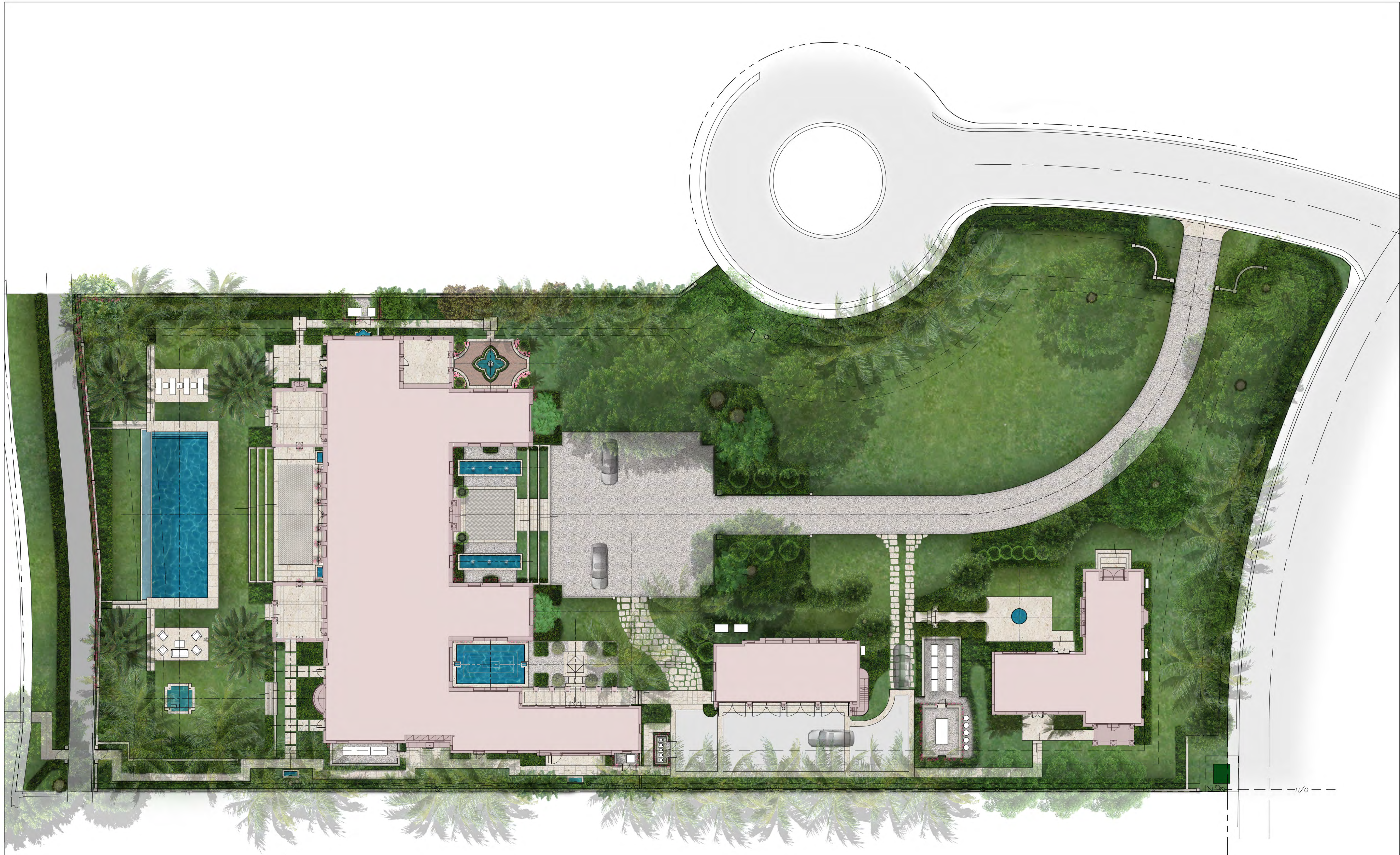
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D2

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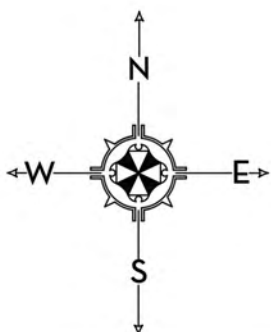
OVERALL R-B SITE CALCULATIONS:

SITE AREA +	79,804	SQ FT	100%
MINIMUM LANDSCAPE REQUIRED +	35,912	SQ FT	45%
EXISTING +	78,993	SQ FT	98.9%
PROPOSED +	36,955	SQ FT	46.3%

FRONT YARD CALCULATIONS:

PERIMETER AREA +	6,500	SQ FT	100%
MINIMUM LANDSCAPE REQUIRED +	6,121	SQ FT	96%
EXISTING +	6,500	SQ FT	100%
PROPOSED +	6,121	SQ FT	96%

0 4 8 16 32 FEET
SCALE: 1/16" = 1'-0"



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SITE

ARC-23-065
ZON-23-060

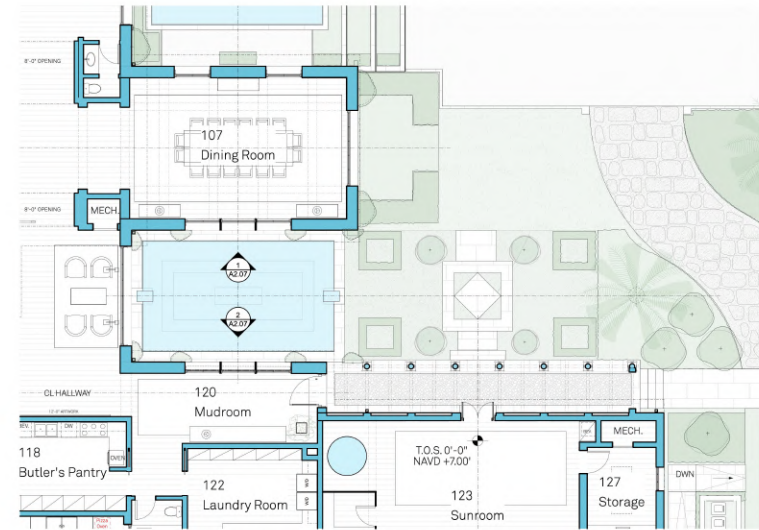
SCALE: 1/16" = 1'-0"



Dining Room South Elevation
SCALE: 3/16" = 1'-0"



Sunroom/Mudroom North Elevation
SCALE: 3/16" = 1'-0"



1st Floor Plan
SCALE: 1/8" = 1'-0"



SM
SMITH AND MOORE
ARCHITECTS, INC.
1500 S. OLIVE AVE., W.P.B., FL 33401

Design
Joeb Moore & Partners

Project Team

ARCHITECT OF RECORD:
Smith & Moore Architects Inc.
1500 S Olive Ave
West Palm Beach, FL 33401
T: (561) 835-1888

DESIGN ARCHITECT:
Joab Moore + Partners Architects, L.L.C.
20 Bruce Park Ave
Greenwich, CT 06830
T: (203) 769-5626

INTERIOR DESIGN:
Victoria Hagan Interiors
5 Columbus Circle
New York, NY 10019
T: (212) 888-1178

LANDSCAPE ARCHITECT:
Nievera Williams Design
625 N Flagler Dr Ste 502
West Palm Beach, FL 33401
T: (561) 659-2820

OWNER'S REPRESENTATIVE:
Karen Thomas Associates
345 7th Ave
New York, NY 10001
T: (212) 991-9999

GENERAL CONTRACTOR:
Livingston Builders, Inc.
125 Worth Avenue, Suite 305
Palm Beach, FL 33480
T: (561) 833-3242

CIVIL SITE ENGINEER:
Gruber Consulting Engineers Inc.
2475 Mercer Ave
West Palm Beach, FL 33401
T: (561) 312-2041

General Design Director: Josh Moore & Partners, Architects, L.L.C. (Josh Moore & Partners) is the Design Architect and relies upon the accuracy of the survey, boundary, topographic, wetlands, coastal, septic, and zoning data provided by the LACLAGES Surveyors. LACLAGES Surveyors is a division of Josh Moore & Partners, Architects, L.L.C. by Owner. Utility and infrastructure locations, siting, and setbacks for items including, but not limited to, Commercial Buildings, Gas Lines, Water Features Filtering Equipment, Hauling Units, are Schematic and shall be reviewed, located, and confirmed by the Architect of Record (AOR) for zoning and building compliance. AOR is verified and coordinated with the Surveyors and all disciplines. Landscape Architect (LA) to verify all utility ingress, egress, and turning radiuses for parking and circulation. Driveway gate to be designed and located to be determined by the A. Exterior site lighting and parking to be designed by others. Serpentine (hollow) futing to be implemented at all columns.

Drawings and specifications, as instruments of professional service, are and shall remain the Property of the Architect. These documents are not to be used, in whole or in part, for any other projects or purposes, or by any other parties, than those properly authorized by contract, without the specific written authorization of Joeb Moore + Reinhold Architects, P.A.C.

ARC - 23 - 065
ZON - 23 - 060

Owner
304 MADDOCK WAY L.L.C.

Address
304 Maddock Way
Palm Beach, FL, 33480

Revisions / Date	
PRE-APP SUBMIT.	02-20-2023
FIRST SUBMIT.	03-09-2023
SECOND SUBMIT.	05-01-2023
DROP OFF SUBMIT.	05-16-2023

Scale
3/16" = 1'-0",
1/8" = 1'-0"
Issue

Drawing Title
DINING COURT SECTION
ELEVATION

FLORIDA AAC

NO. 001285

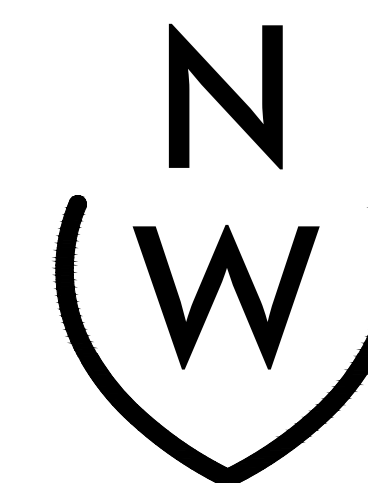
PETER G. PAPADOPOULOS

A2.07

State of Florida
Landscape Architect
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304 MADDOCK WAY, PALM BEACH, FL.

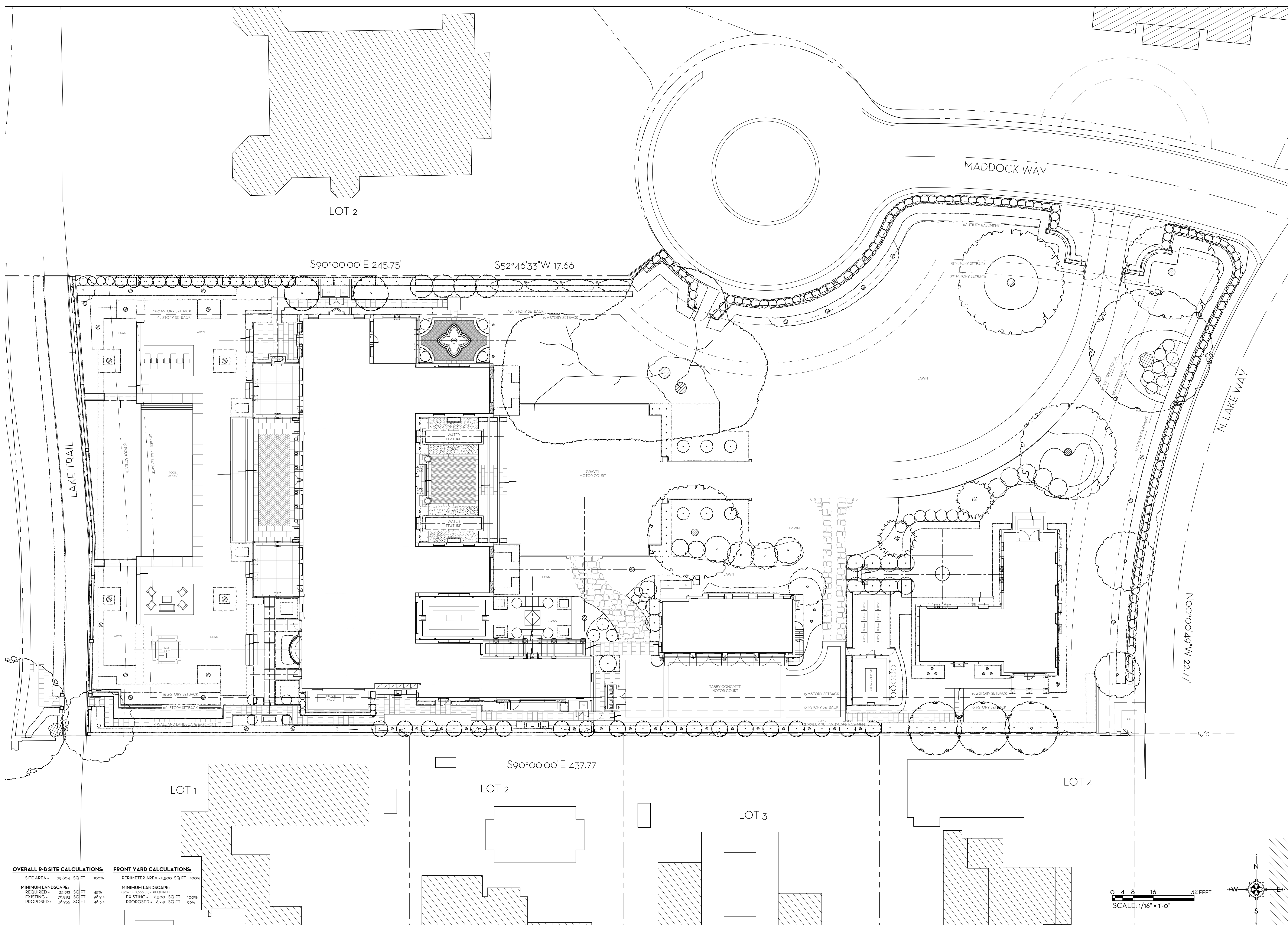
06 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
09 FEB 2023

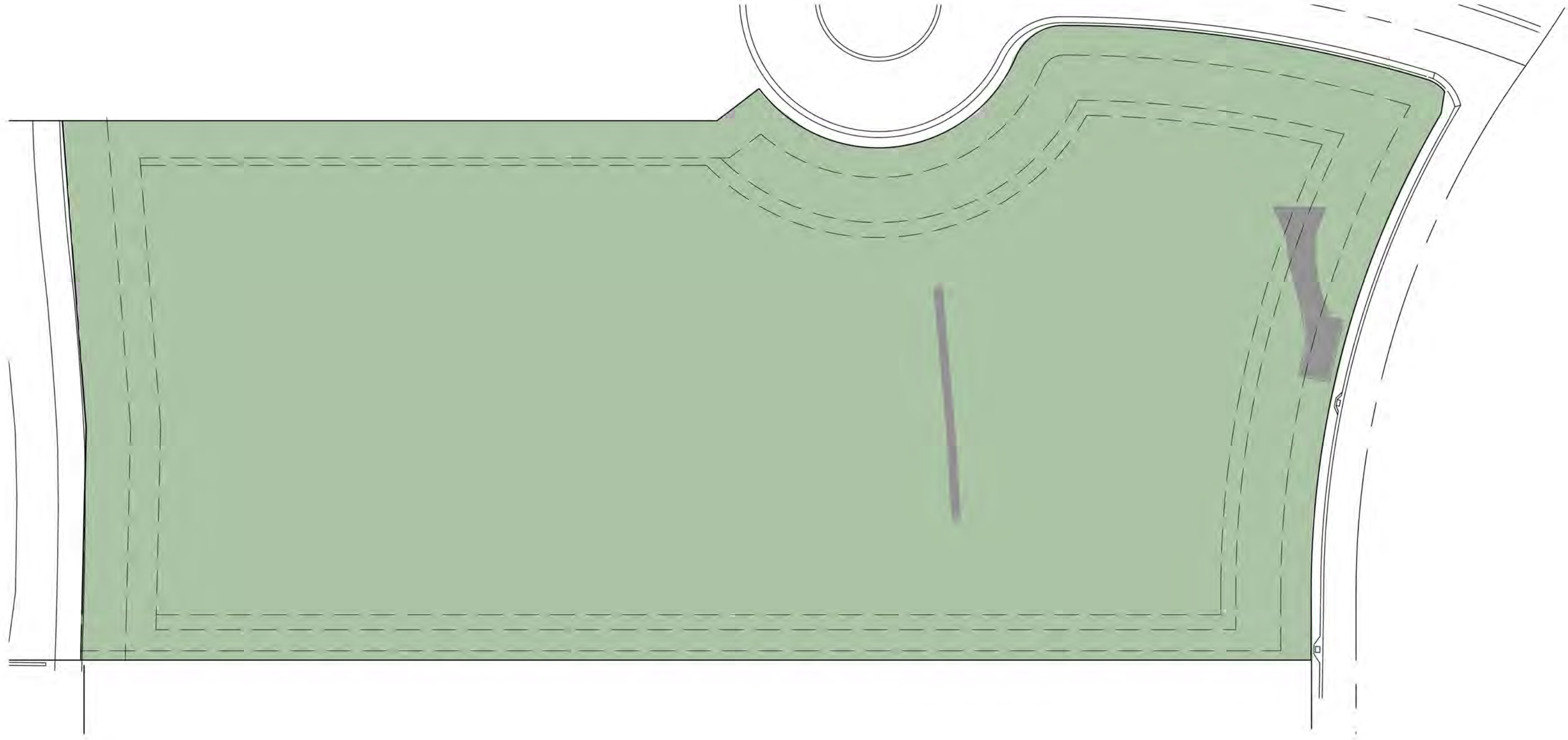


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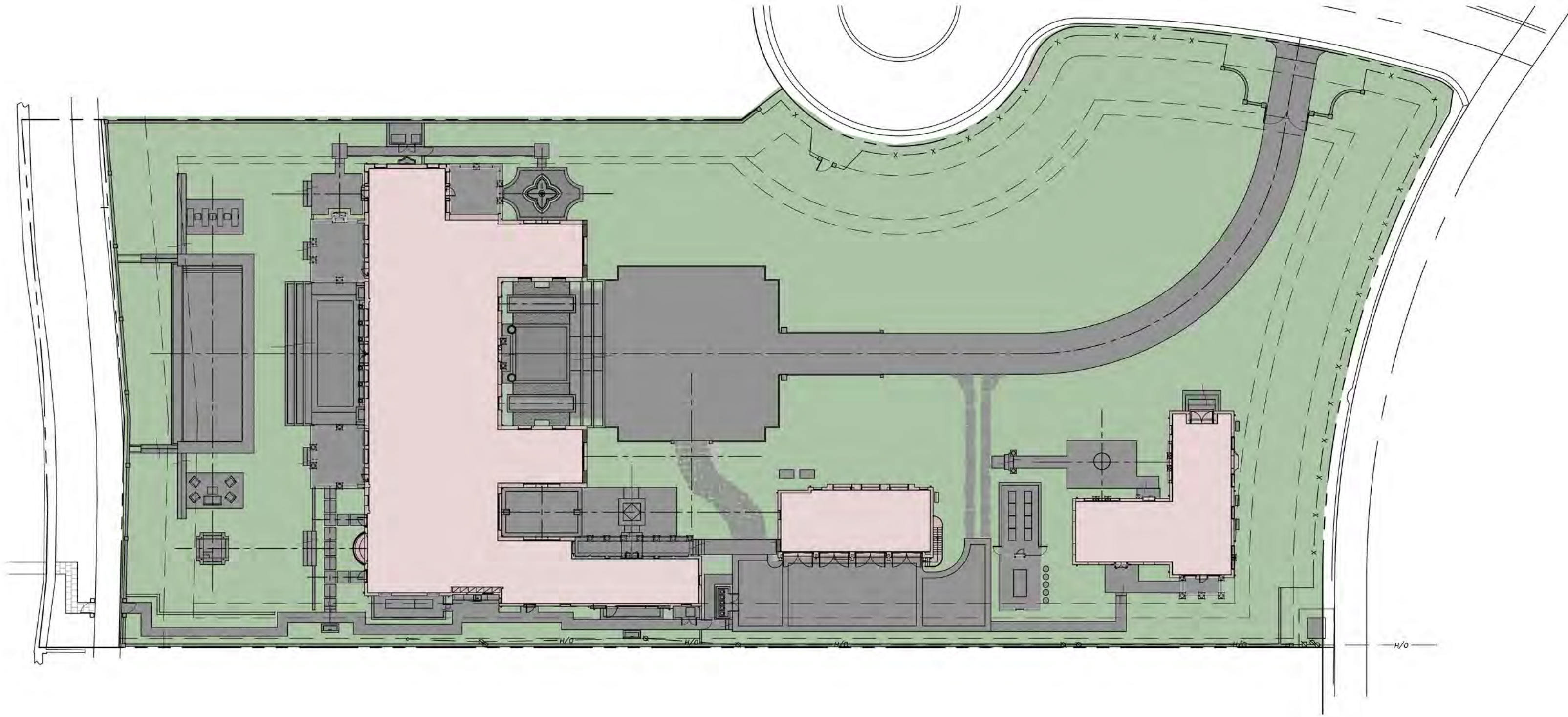
SITE

ARC-23-065
ZON-23-060





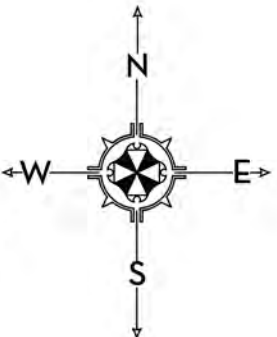
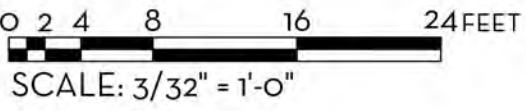
EXISTING



PROPOSED

OVERALL R-B SITE CALCULATIONS:

SITE AREA =	79,804	SQ FT	100%
MINIMUM LANDSCAPE:			
REQUIRED =	35,912	SQ FT	45%
EXISTING =	78,993	SQ FT	98.9%
PROPOSED =	36,955	SQ FT	46.3%



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OVERALL OPEN SPACE DIAGRAM
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
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NIEVERA WILLIAMS
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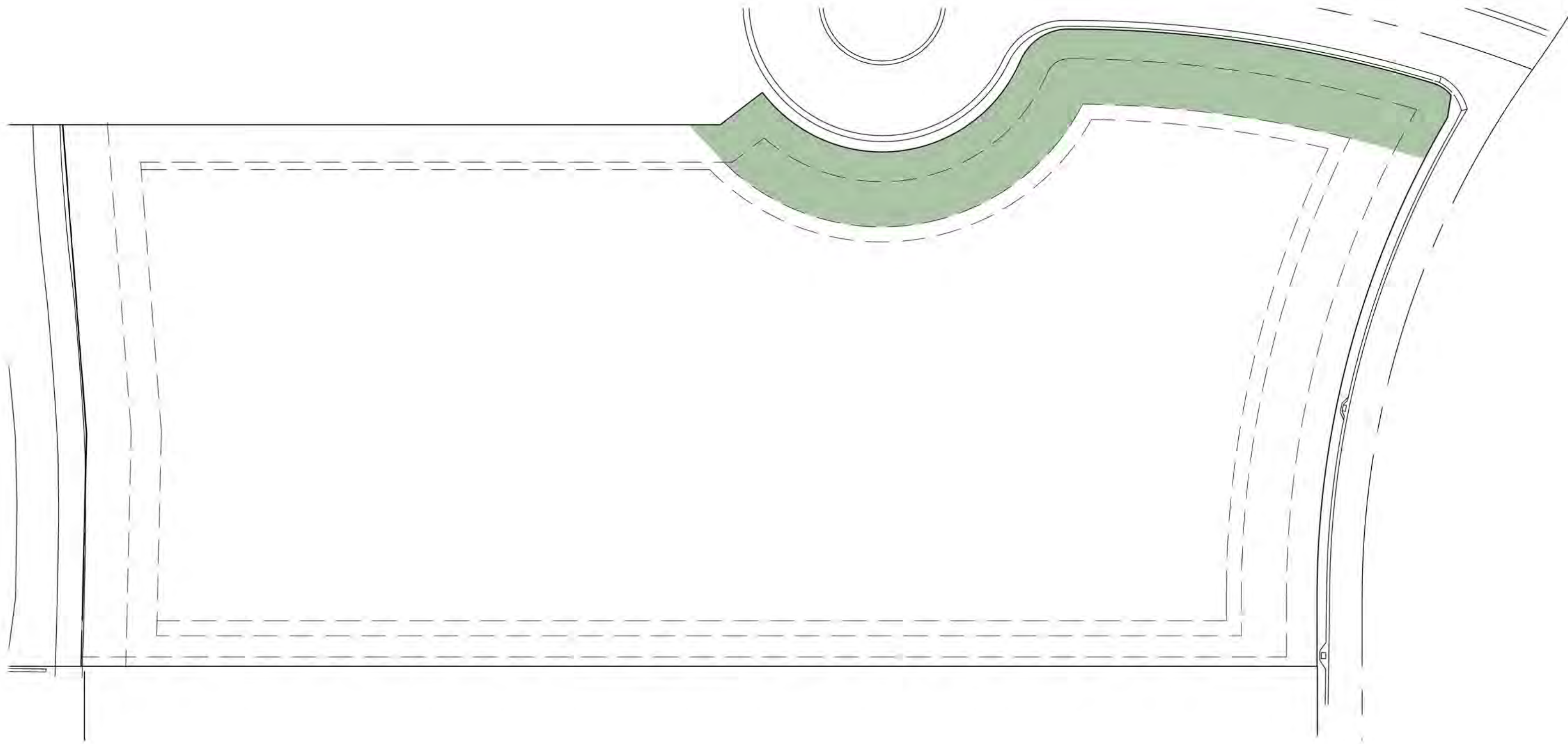
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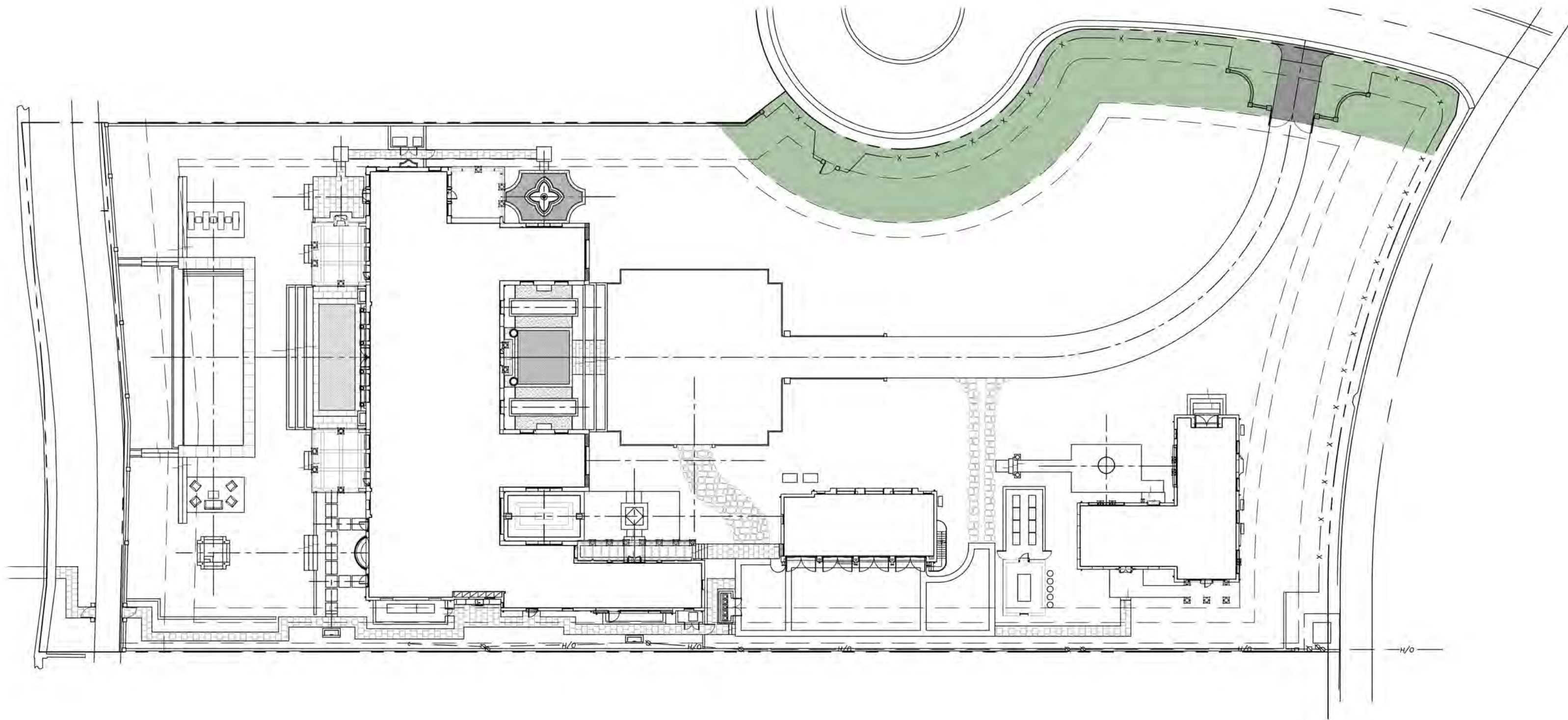
OS1

ARC-23-065
ZON-23-060

SCALE: 3/32" = 1'-0"



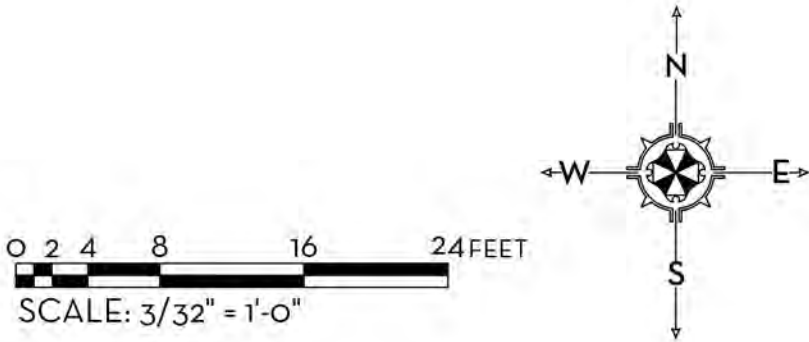
EXISTING



PROPOSED

FRONT YARD CALCULATIONS:

PERIMETER AREA	= 6,500	SQ. FT.	100%
MINIMUM LANDSCAPE:			
(40% OF 2,200 SQ. FT.) - REQUIRED			
EXISTING	=	6,500	SQ. FT. 100%
PROPOSED	=	6,241	SQ. FT. 96%



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FRONT YARD OPEN SPACE DIAGRAM
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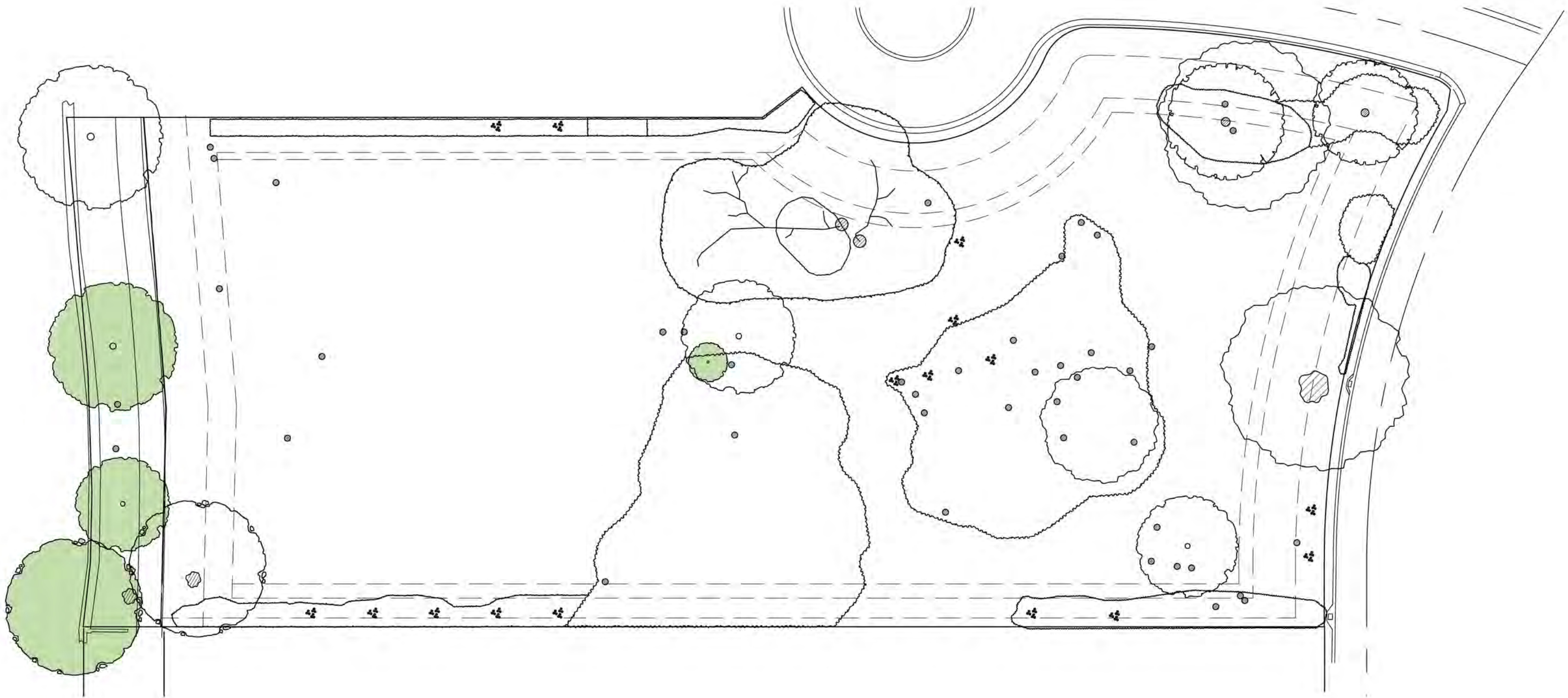
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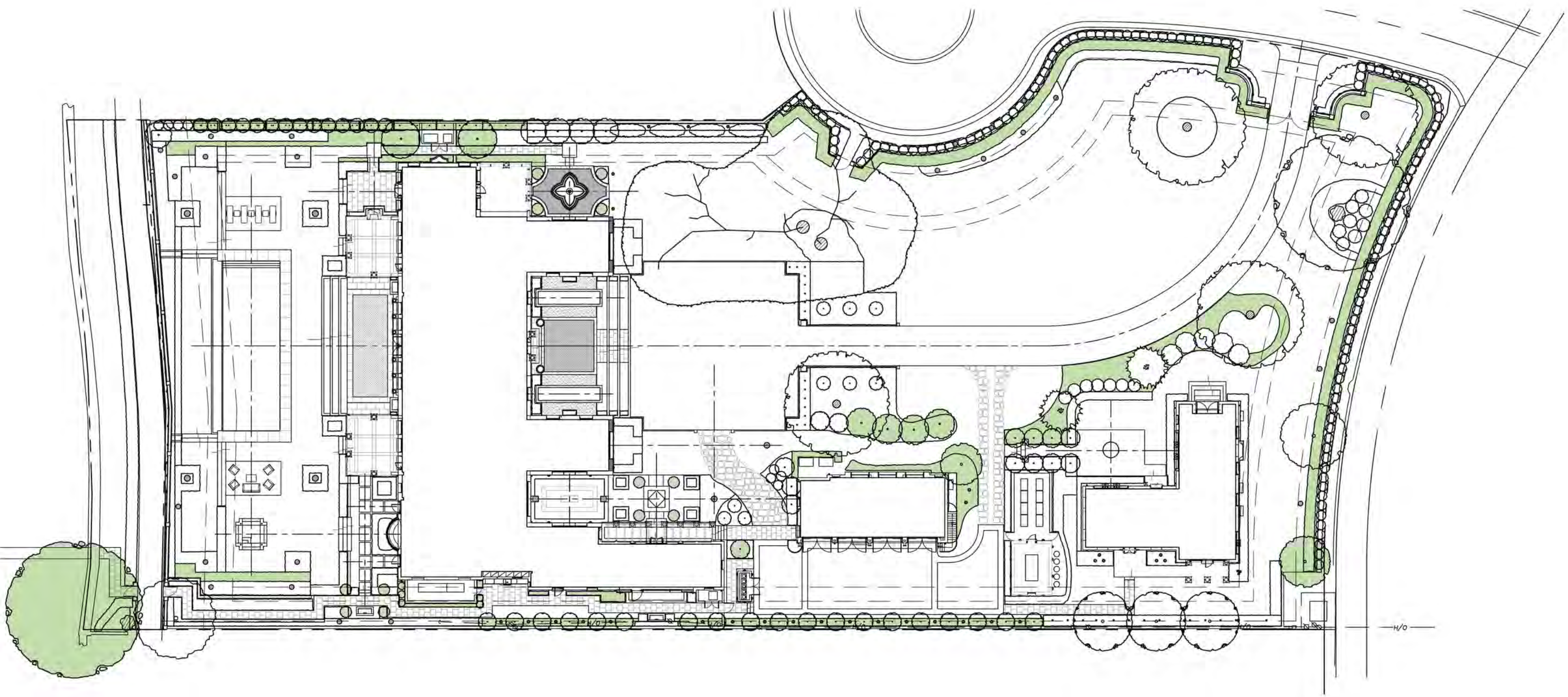
OS2

ARC-23-065
ZON-23-060

SCALE: 3/32" = 1'-0"



EXISTING



PROPOSED



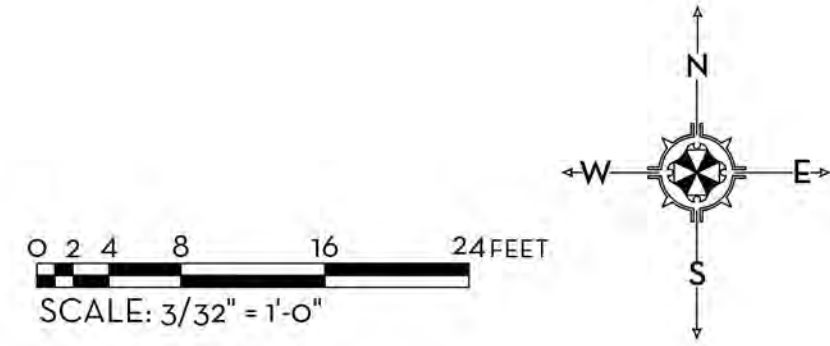
Town of Palm Beach
Planning, Zoning and Building
360 S County Rd, Palm Beach, FL 33480
www.townofpalmbeach.com

Line #	Native Landscape Legend		
1	Property Address: 304 Maddock Way		
4		Required	Proposed
5	Lot Size (sq ft)	79,804 SF	79,804 SF
6	Landscape Open Space (LOS) (Sq Ft and %)	35,912 (45%)	37,736 (47.3%)
7	Perimeter LOS (Sq Ft and %)	N/A	N/A
8	Front Yard LOS (Sq Ft and %)	2,600 SF (40%)	6,241 SF (96%)
9	Native* Trees %	21 (35%)	22 (37%)
10	Native* Palms %	34 (35%)	97 (50%)
11	Native* Shrubs %	1,774 (35%)	1,797 (35%)
12	Native* Vines / Ground Cover %	154 (35%)	160 (36%)

To determine appropriate native* vegetation, the *Institute for Regional Conservation ("IRC"), Natives for Your Neighborhood* guide shall be used.

This table shall be included on the landscape species index sheet as prepared by a licensed landscape architect.

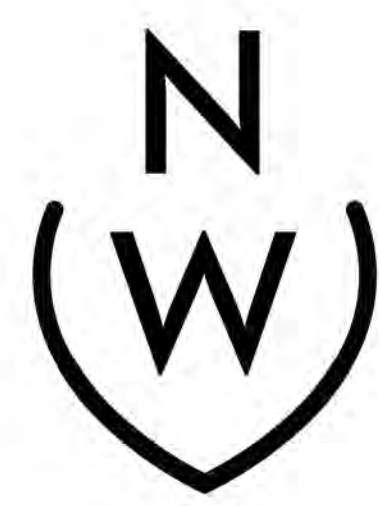
Note: Native ca+A1:D15 calculations are based on proposed installation planting only. Per Town Of Palm Beach Landscape Ordinances.



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NATIVE PLANT DIAGRAM
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL

16 MAY 2023
01 MAY 2023
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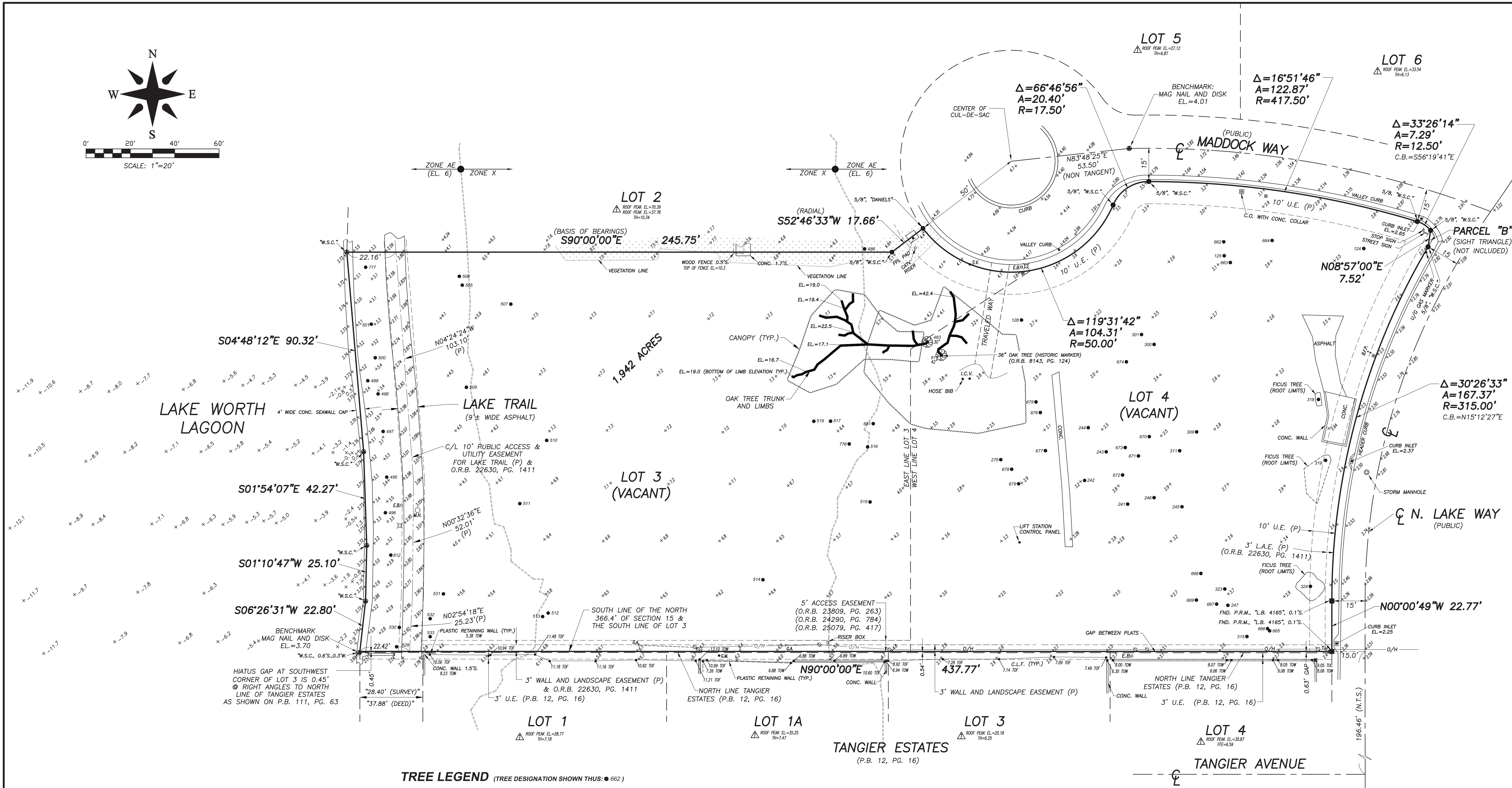
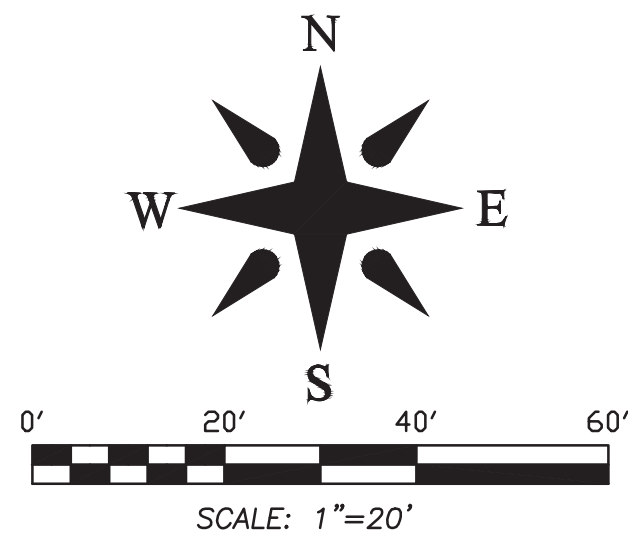
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SCALE: 3/32" = 1'-0"



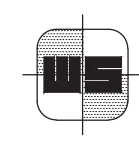
TREE LEGEND (TREE DESIGNATION SHOWN THUS: ● 662)

TREE NUMBER	SPECIES	CALIPER (DBH)	TREE NUMBER	SPECIES	CALIPER (DBH)	TREE NUMBER	SPECIES	CALIPER (DBH)
124	UNKNOWN	16"	497	SEA GRAPE (COCOCCOLOBA UVIFERA) TRIPLE	10"	662	SABAL PALM (SABAL PALMETTO)	8"
125	UNKNOWN	38"	498	COCONUT PALM (COCOS NUCIFERA)	6"	663	ROYAL PALM (ROYSTONEA REGIA)	15"
128	COCONUT PALM (COCOS NUCIFERA)	12"	499	COCONUT PALM (COCOS NUCIFERA)	7"	664	SABAL PALM (SABAL PALMETTO)	22"
241	SOLITAIRE PALM (PTYCHOSPERMA ELEGANS)	7"	500	COCONUT PALM (COCOS NUCIFERA)	7"	665	MANGO (MANGIFERA INDICA)	9"
242	SABAL PALM (SABAL PALMETTO)	12"	501	COCONUT PALM (COCOS NUCIFERA)	5"	666	SABAL PALM (SABAL PALMETTO)	13"
243	SABAL PALM (SABAL PALMETTO)	13"	505	SABAL PALM (SABAL PALMETTO)	8"	667	MANGO (MANGIFERA INDICA)	12"
244	COCONUT PALM (COCOS NUCIFERA)	10"	506	SABAL PALM (SABAL PALMETTO)	6"	668	SPINDLE PALM (HYOPHORBE VERSCHAFFELTII)	8"
245	SABAL PALM (SABAL PALMETTO)	14"	507	ROYAL PALM (ROYSTONEA REGIA)	17"	669	SCHEFFLERA (SCHEFFLERA ARBORICOLA)	4"
246	FICUS TREE (FICUS BENJAMINA)	48"	509	SABAL PALM (SABAL PALMETTO)	7"	670	MANGO (MANGIFERA INDICA) DOUBLE	8"
247	COCONUT PALM (COCOS NUCIFERA)	14"	510	SABAL PALM (SABAL PALMETTO)	5"	671	SABAL PALM (SABAL PALMETTO)	13"
275	MANGO (MANGIFERA INDICA)	9"	511	SABAL PALM (SABAL PALMETTO)	8"	672	SABAL PALM (SABAL PALMETTO)	16"
300	SABAL PALM (SABAL PALMETTO)	17"	512	COCONUT PALM (COCOS NUCIFERA)	8"	673	ALMOND (PRUNUS DULCIS)	8"
301	SOLITAIRE PALM (PTYCHOSPERMA ELEGANS)	10"	513	SABAL PALM (SABAL PALMETTO)	6"	674	COCONUT PALM (COCOS NUCIFERA)	10"
309	WASHINGTONIA PALM (WASHINGTONIA ROBUSTA)	9"	514	SABAL PALM (SABAL PALMETTO)	13"	675	SABAL PALM (SABAL PALMETTO)	14"
311	SABAL PALM (SABAL PALMETTO)	13"	515	UNKNOWN PALM	3"	676	SABAL PALM (SABAL PALMETTO)	12"
315	DATE PALM (PHOENIX DACTYLIFERA)	12	516	SABAL PALM (SABAL PALMETTO)	13"	677	MANGO (MANGIFERA INDICA) DOUBLE	5"
318	FICUS TREE (FICUS BENJAMINA)	SEE DRAWING	517	UNKNOWN PALM	16"	678	SABAL PALM (SABAL PALMETTO)	10"
319	FICUS TREE (FICUS BENJAMINA)	SEE DRAWING	519	SABAL PALM (SABAL PALMETTO)	16"	679	SABAL PALM (SABAL PALMETTO)	10"
323	MANGO (MANGIFERA INDICA)	9"	529	BUTTONWOOD (PLATANUS OCCIDENTALIS) TRIPLE	18"	681	BANYAN (FICUS BENGHALENSIS)	23"
324	FICUS TREE (FICUS BENJAMINA)	SEE DRAWING	530	BUTTONWOOD (PLATANUS OCCIDENTALIS)	18"	776	SATINLEAF (CHRYSOPHYLLUM OLIVIFORME)	10"
483	LIVE OAK (QUERCUS VIRGINIANA)	26"	531	BANYAN (FICUS BENGHALENSIS)	72"	777	BUTTONWOOD (PLATANUS OCCIDENTALIS)	60"
486	SABAL PALM (SABAL PALMETTO)	15"	532	BANYAN (FICUS BENGHALENSIS)	42"	811	LIVE OAK (QUERCUS VIRGINIANA)	42"
495	COCONUT PALM (COCOS NUCIFERA)	7"	533	BANYAN (FICUS BENGHALENSIS)	72"	812	BUTTONWOOD (PLATANUS OCCIDENTALIS)	36"
496	COCONUT PALM (COCOS NUCIFERA)	10"						

TREE LOCATION NOTES:
This firm has identified the various types of trees located on this site based on common knowledge of tree species. For positive identification of tree species, a qualified landscape architect or botanist should be consulted. Trees four (4") caliper inches or larger, when measured at breast height, are shown on the survey drawing. Invasive trees such as Melaleuca, Brazilian Pepper and Australian Pine are not shown on the survey drawing. Clusters of trees are shown grouped with an approximation of the total number of trees located within the group. The canopy diameter and spread are not shown hereon, unless indicated otherwise.

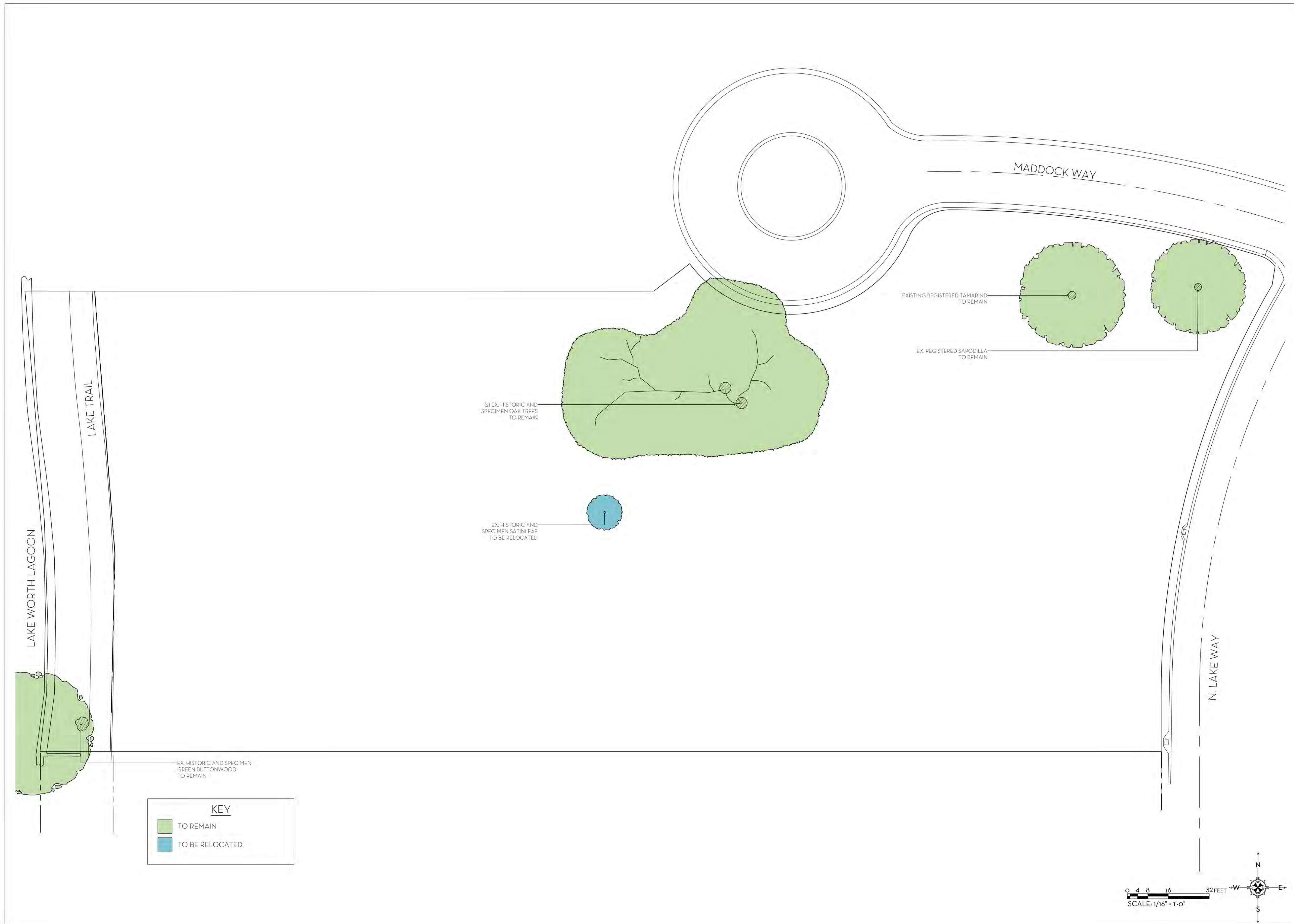
BOUNDARY SURVEY FOR:

304 MADDOCK WAY LLC



WALLACE SURVEYING
CORP. LICENSED BUSINESS # 4069
5555 VILLAGE BOULEVARD, WEST PALM BEACH, FLORIDA 33407 • (561) 640-4551

FIELD: J.O.	JOB NO: 10-1005.8	F.B: PB311 PG. 19
OFFICE: M.B.	DATE: 4/14/21	DWG. NO: 10-1005-3
C.K'D: C.W.	REF: 10-1005-3.DWG	SHEET 2 OF 2



KEY

	TO REMAIN
	TO BE RELOCATED

0 4 8 16 32 FEET
SCALE: 1/16" = 1'-0"

MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

EXISTING HISTORIC AND REGISTERED TREES

PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



NIEVERA WILLIAMS
DESIGN

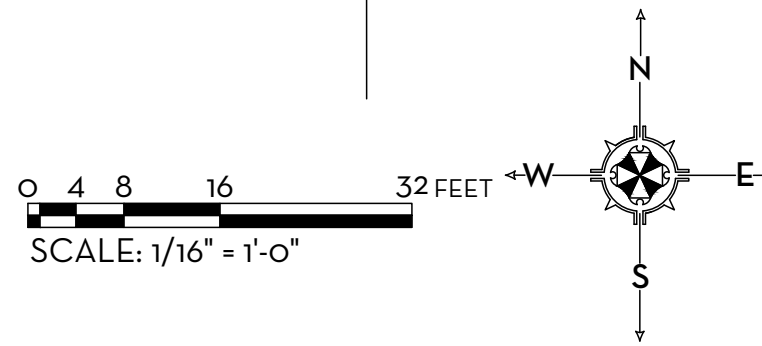
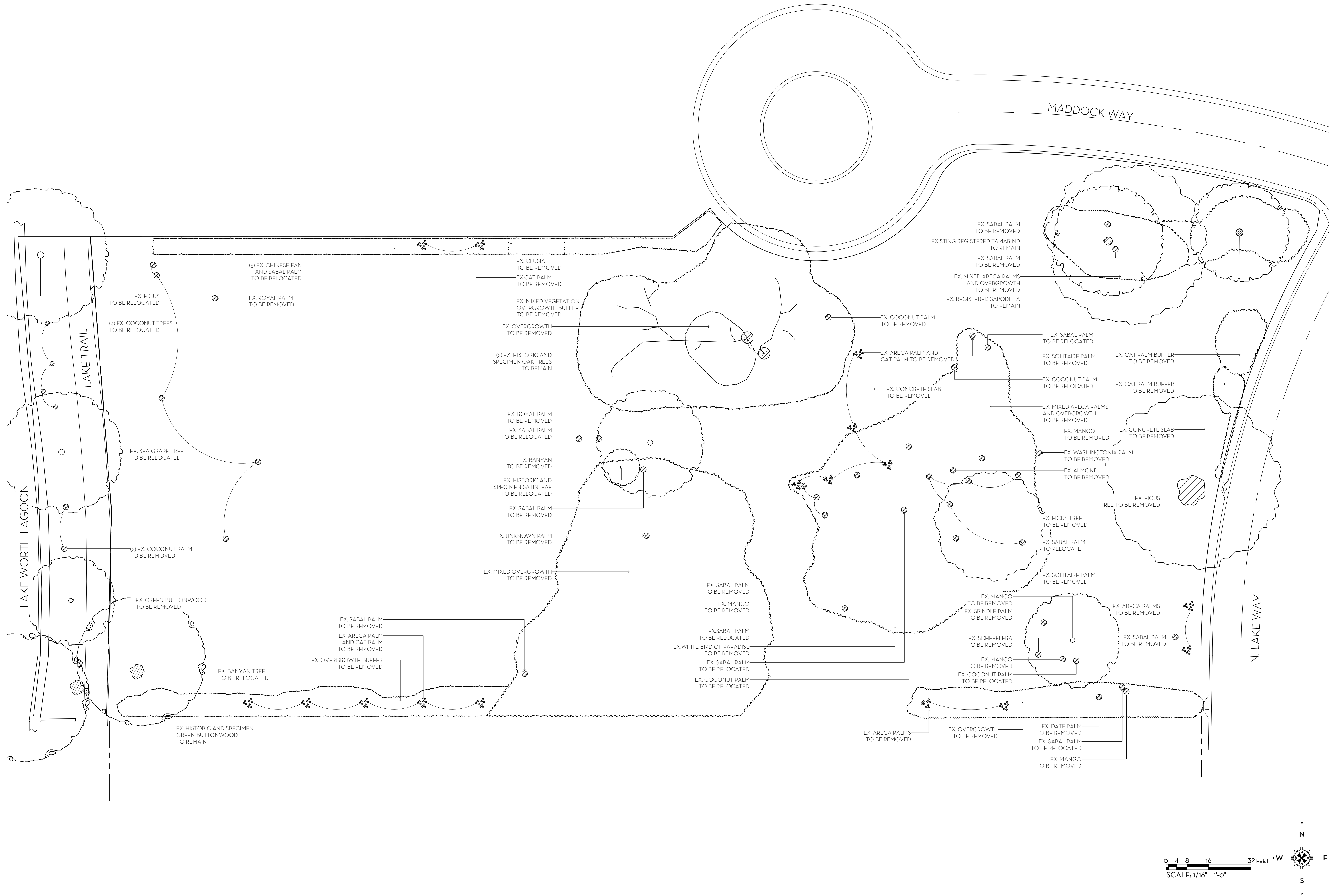
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ZON-23-060

SCALE: 1/16" = 1'-0"



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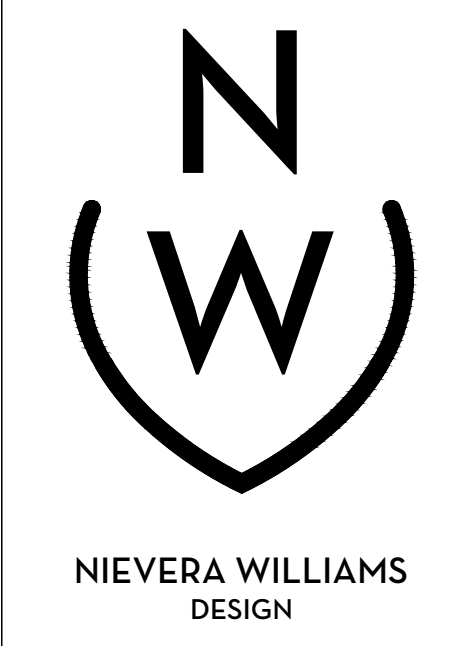
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Registration No.
6666856

EXISTING CONDITIONS/ DEMOLITION PLAN

PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



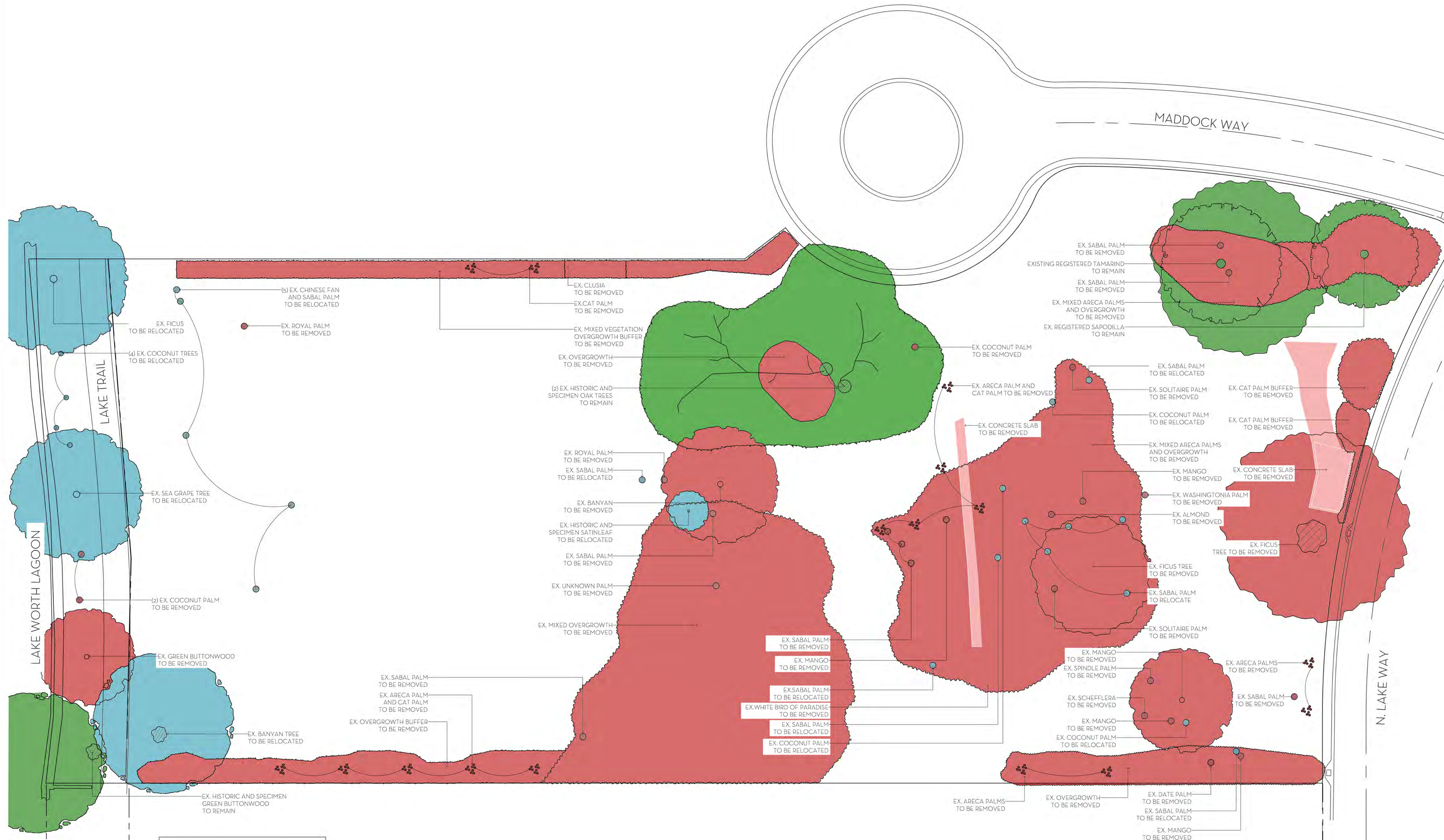
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SCALE: 1/16" = 1'-0"



KEY

- HARDSCAPE TO BE REMOVED
- LANDSCAPE TO BE REMOVED
- LANDSCAPE TO REMAIN
- LANDSCAPE TO BE RELOCATED

0 4 8 16 32 FEET
SCALE: 1/16" = 1'-0"

N
W
E
S

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Registration No.
6666856

DEMOLITION PLAN
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
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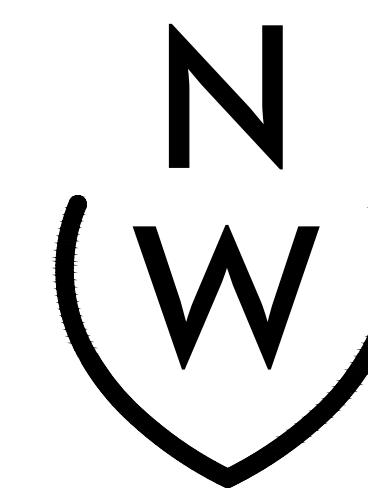
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SCALE: 1/16" = 1'-0"

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6666856

304 MADDOCK WAY, PALM BEACH, FL.

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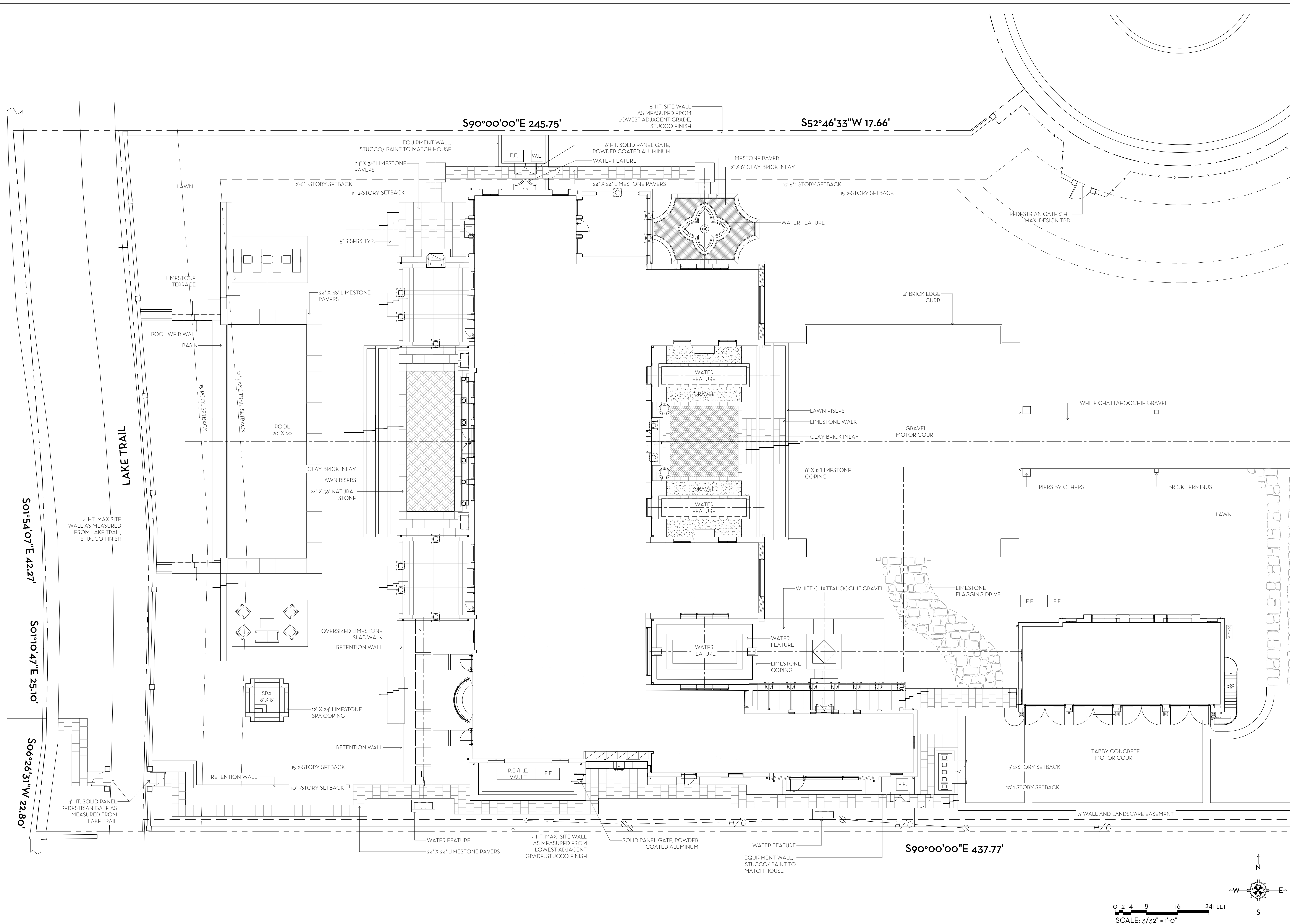
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09 MAR 2023
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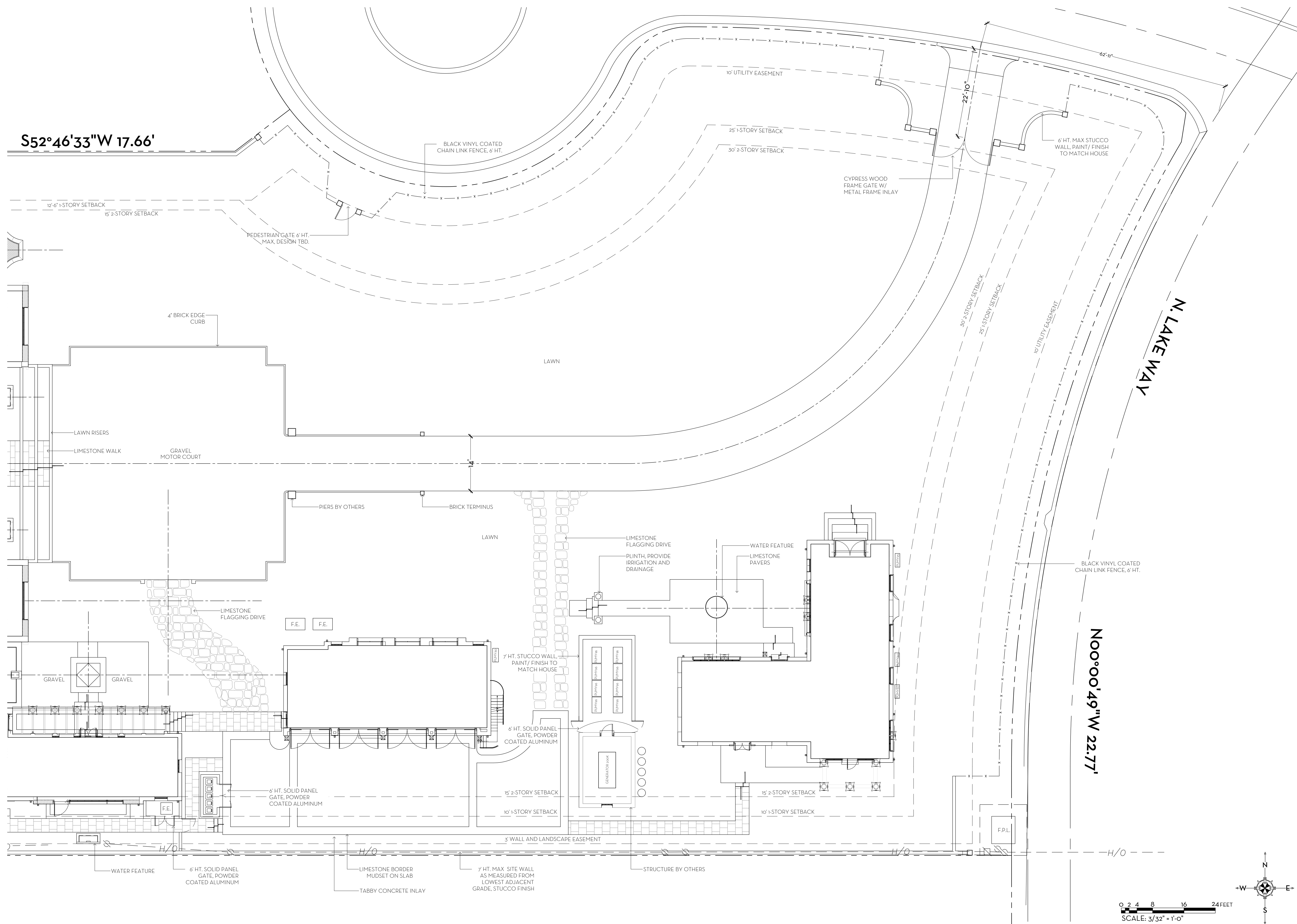
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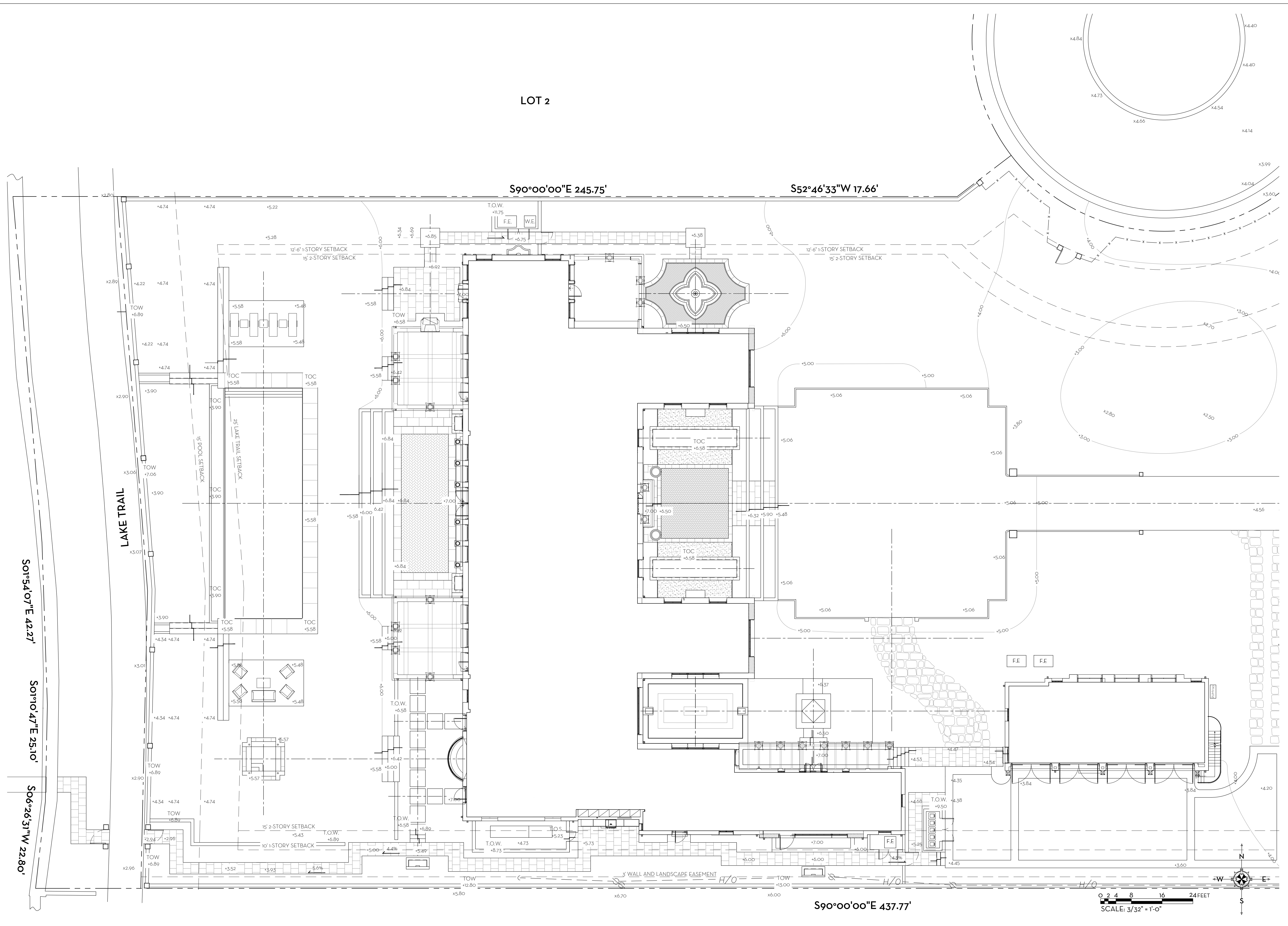
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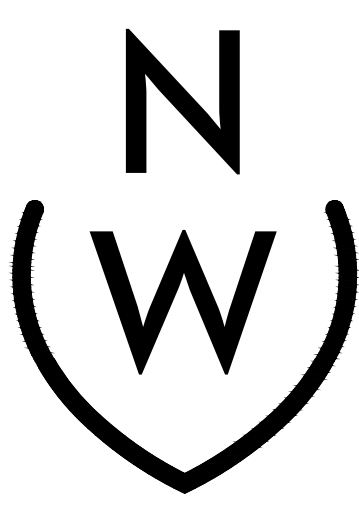
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LANDSCAPE GRADING PLAN
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304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
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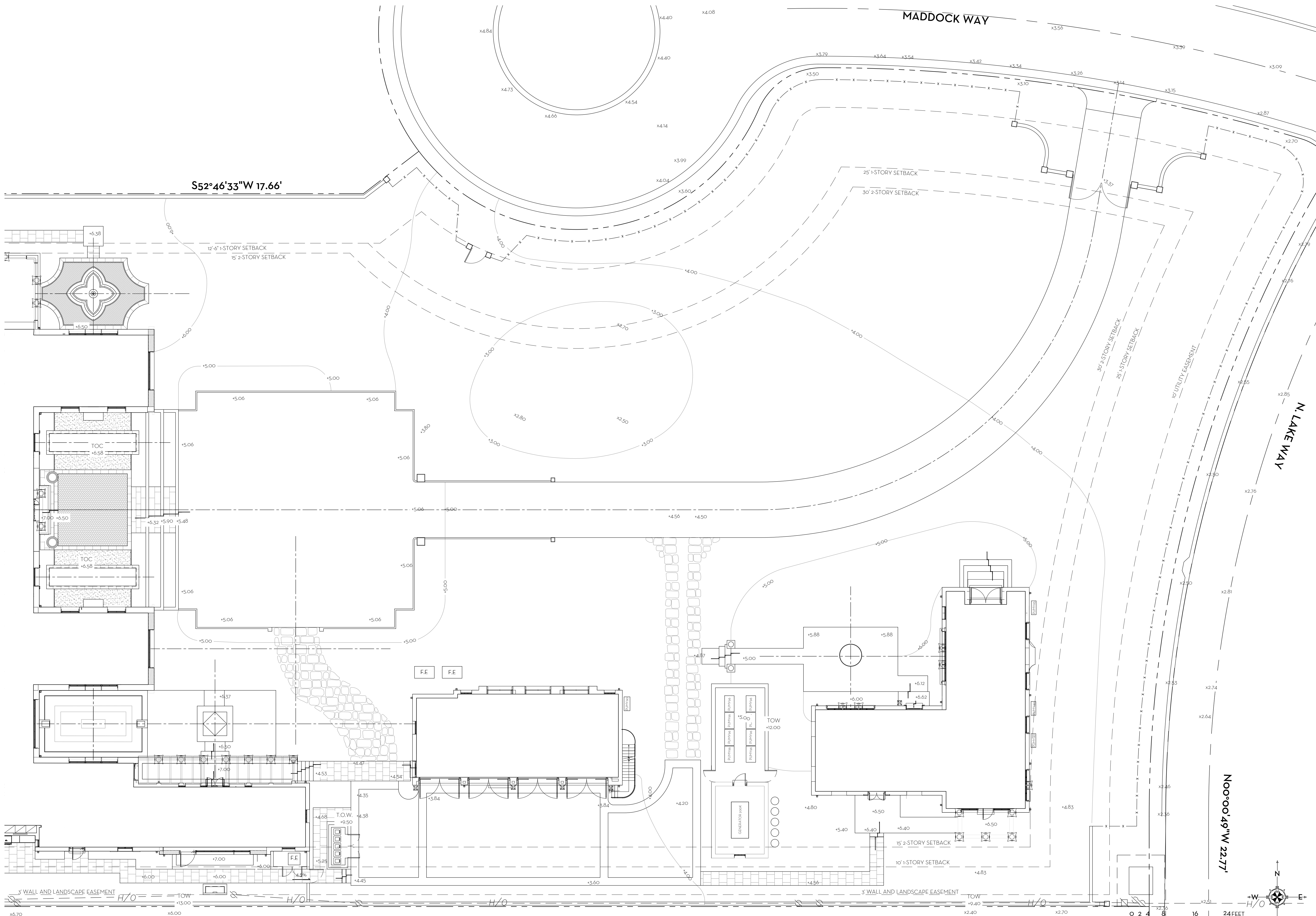
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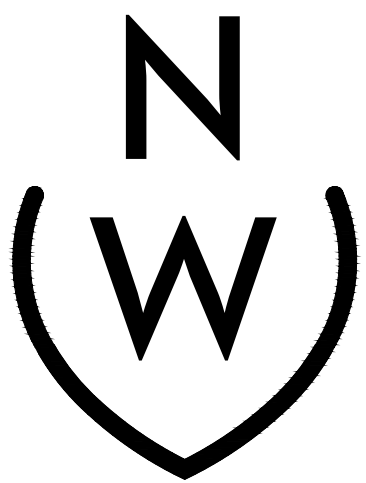
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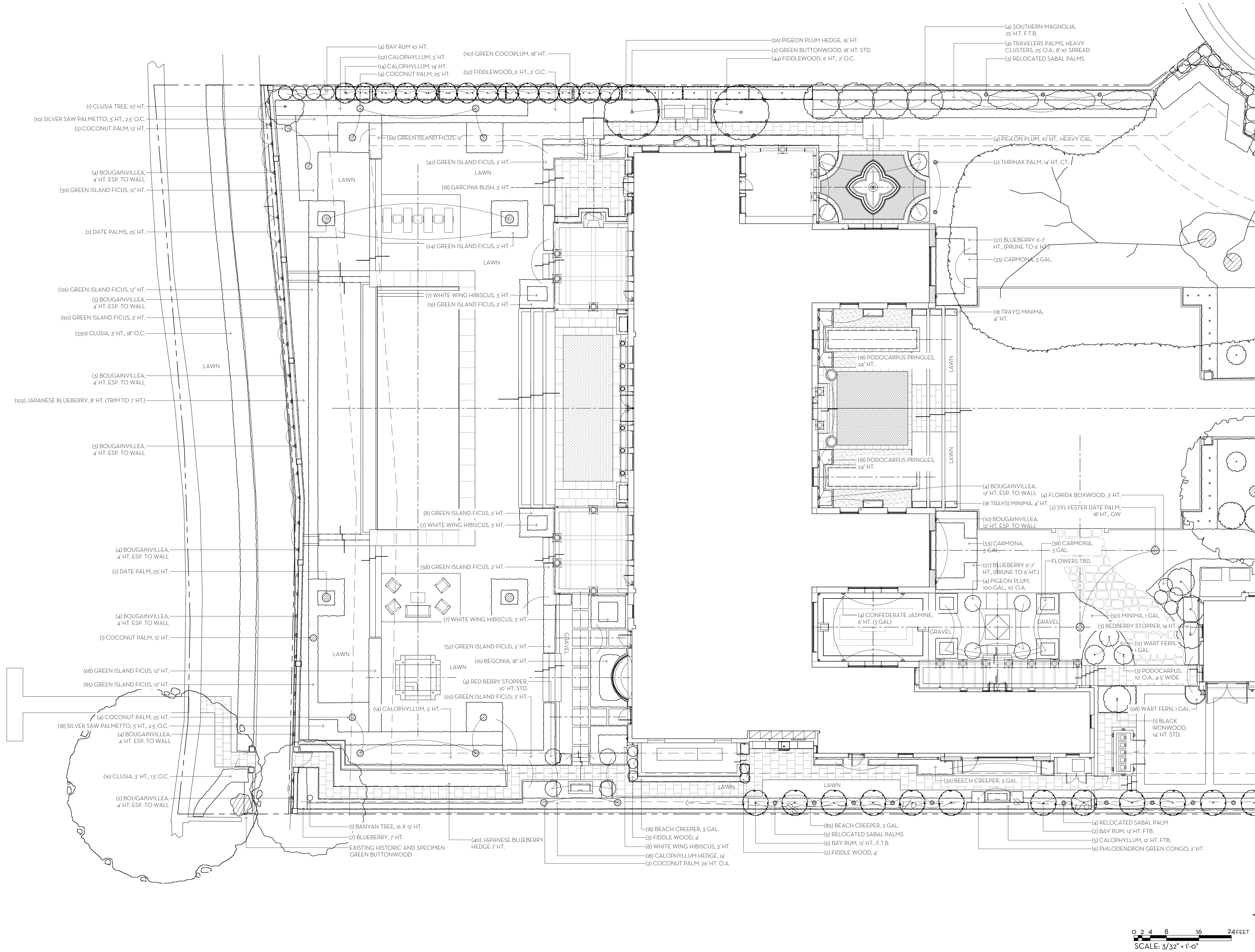
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SCALE: 3/32" = 1'-0"



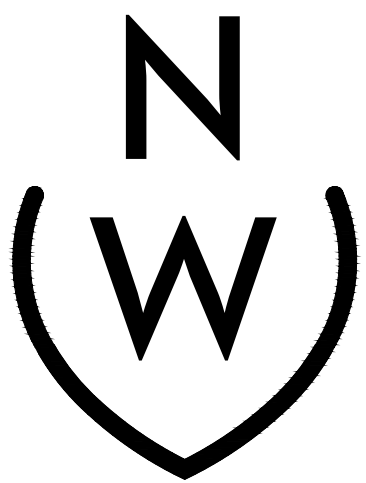
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PLANTING PLAN
PRIVATE RESIDENCE

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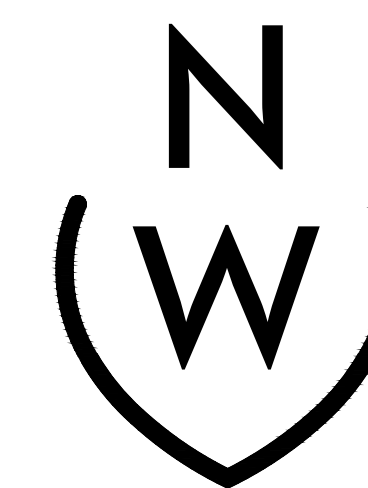
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SCALE: $3/32'' = 1'-0''$

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01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



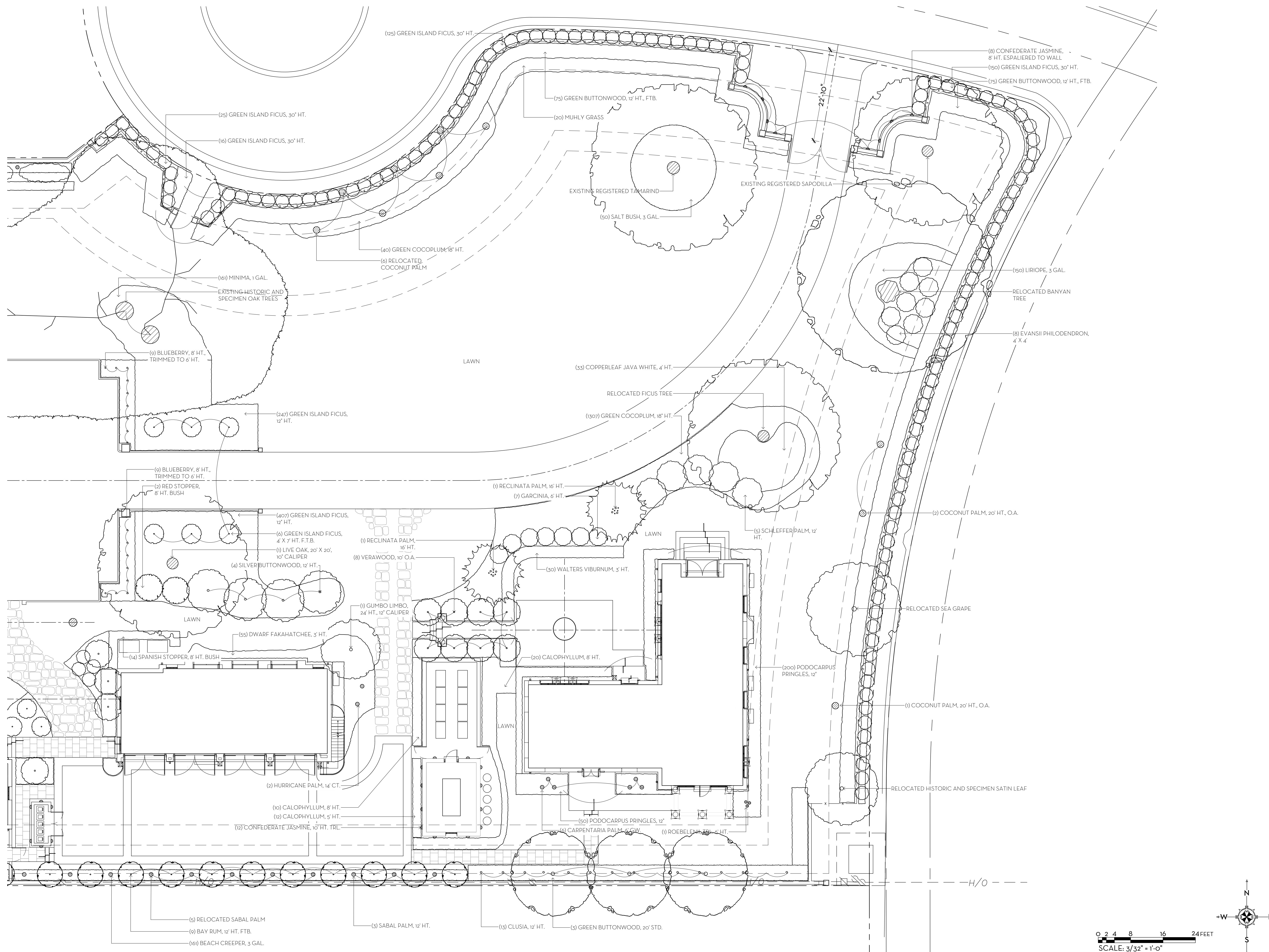
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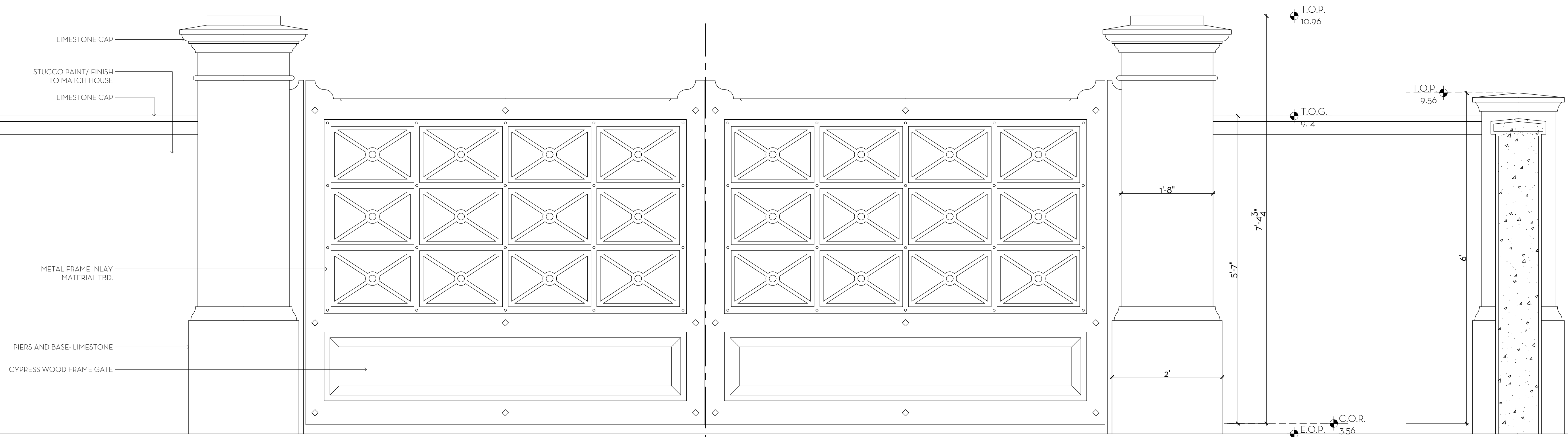
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ARC-23-065
ZON-23-060



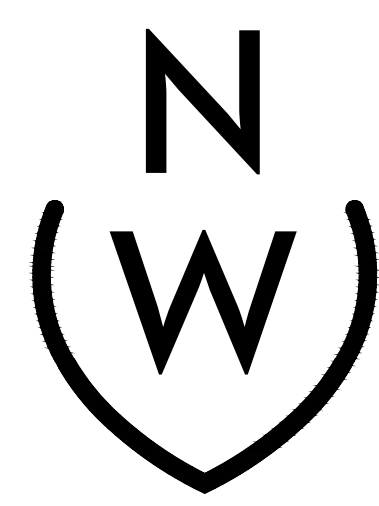
1 FRONT ENTRY GATE DETAIL
D1 SCALE: 1"=1'-0"

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Registration No.
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SCALE: 1"=1'-0"

GATE DETAILS
PRIVATE RESIDENCE
304 MADDOCK WAY, PALM BEACH, FL.

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GATE DETAILS

PRIVATE RESIDENCE

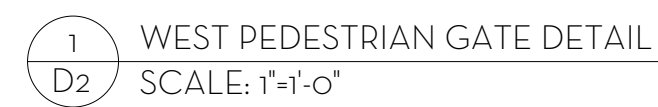
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09 MAR 2023	
20 FEB 2023	

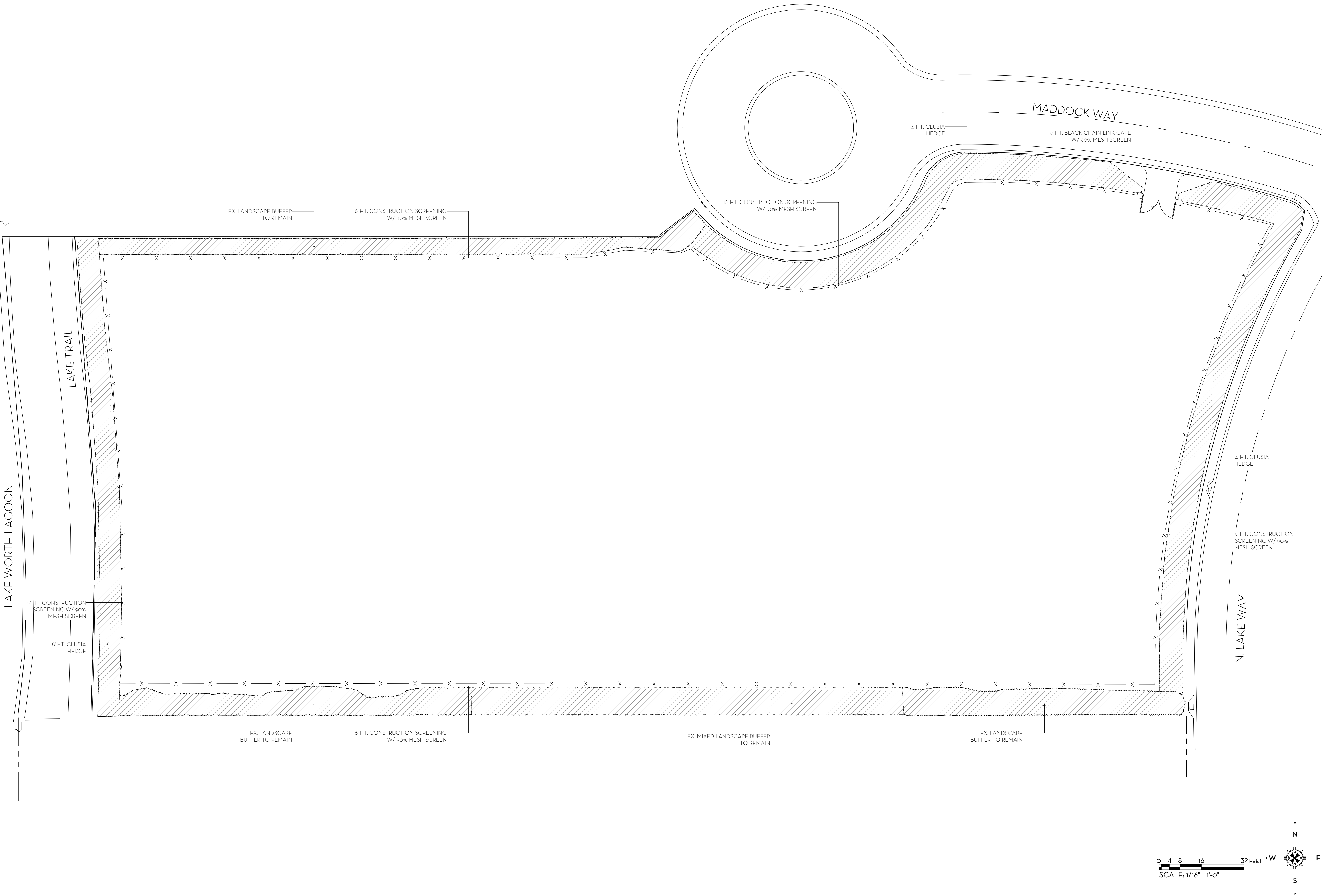


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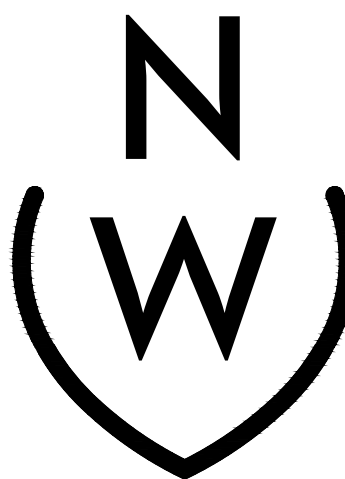
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CONSTRUCTION SCREENING PLAN
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

16 MAY 2023
01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



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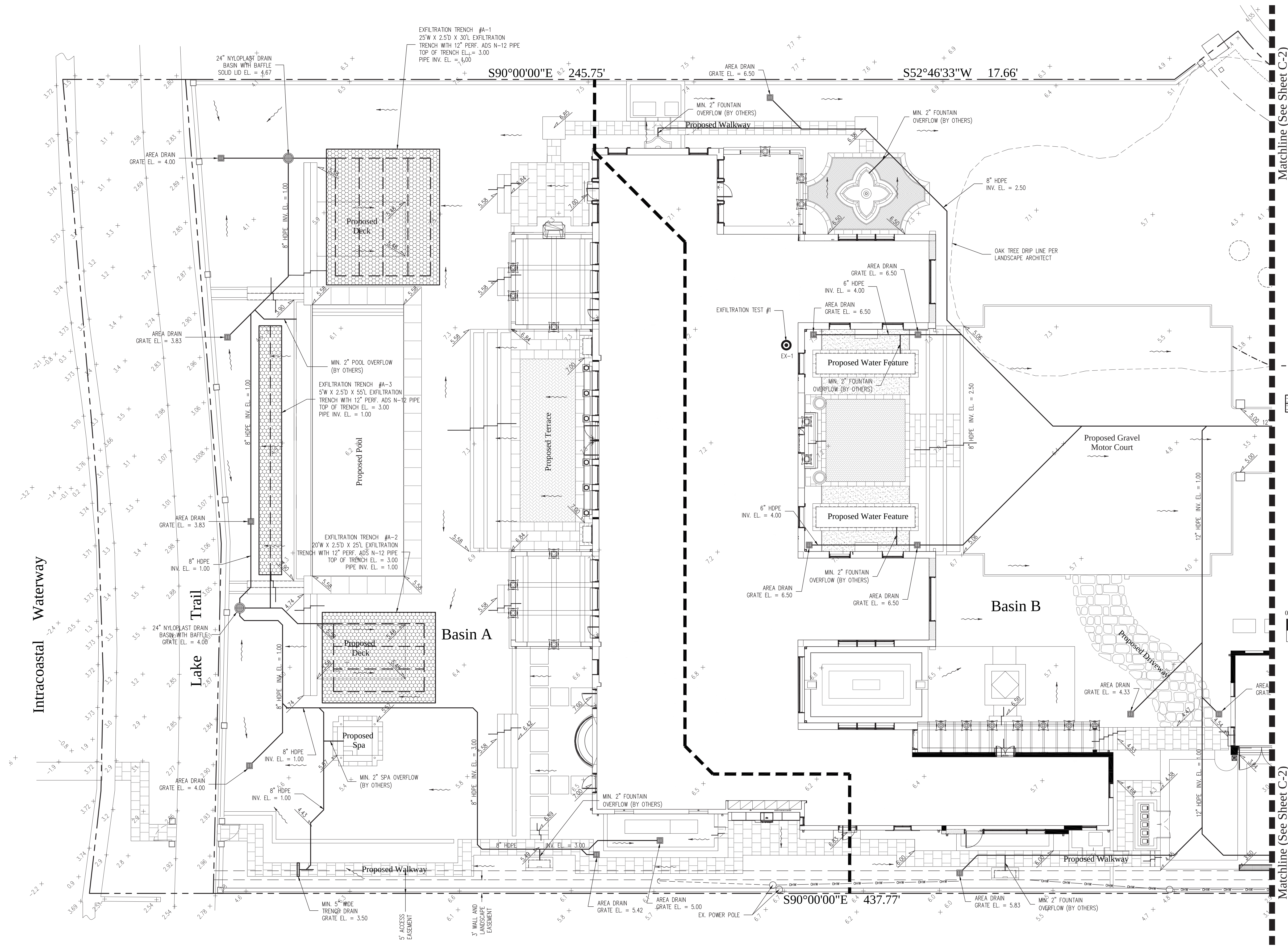
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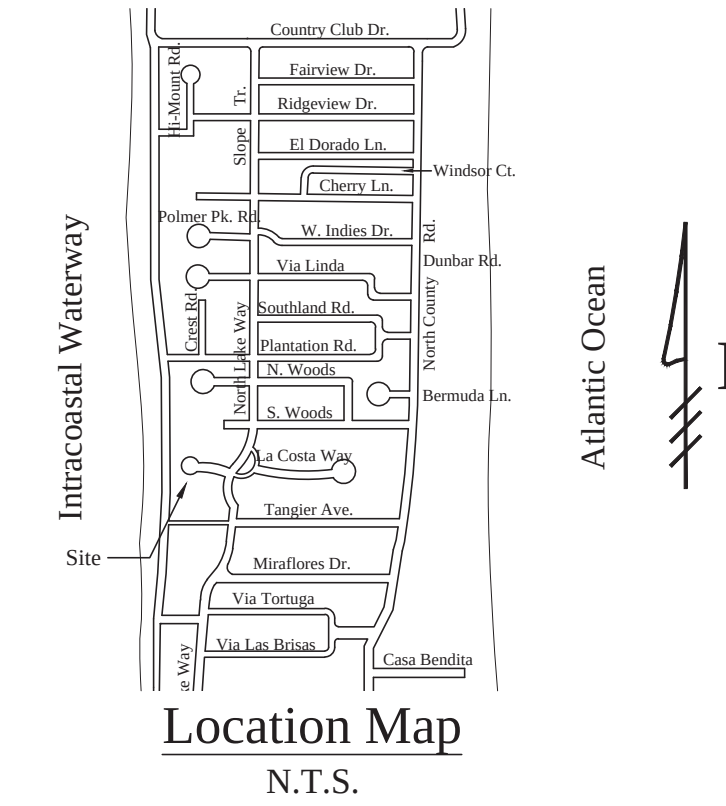
SCALE: 1/16" = 1'-0"



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Engineers, Inc.
5075 MERCER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 561.312.2841
office@gruberengineers.com



- 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" = 10'

Project Information				
Project No.	2010-0059	Issue Date	03/24/2023	Scale
Scale	1" = 10'	Drawn By	RM	Checked By
			CG	

Site Grading & Drainage Plan (West Portion) For:
Proposed Residence
Palm Beach, Florida
304 Maddock Way

Revisions	
1	05/15/2023
2	
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Chad M. Gruber
FL P.E. No. 57466

05/15/23 UPDATE PLAN BACKGROUND;
REVISE PROPOSED GRADING
AND DRAINAGE

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Date: 2023.05.15 11:22:50 -04'00'

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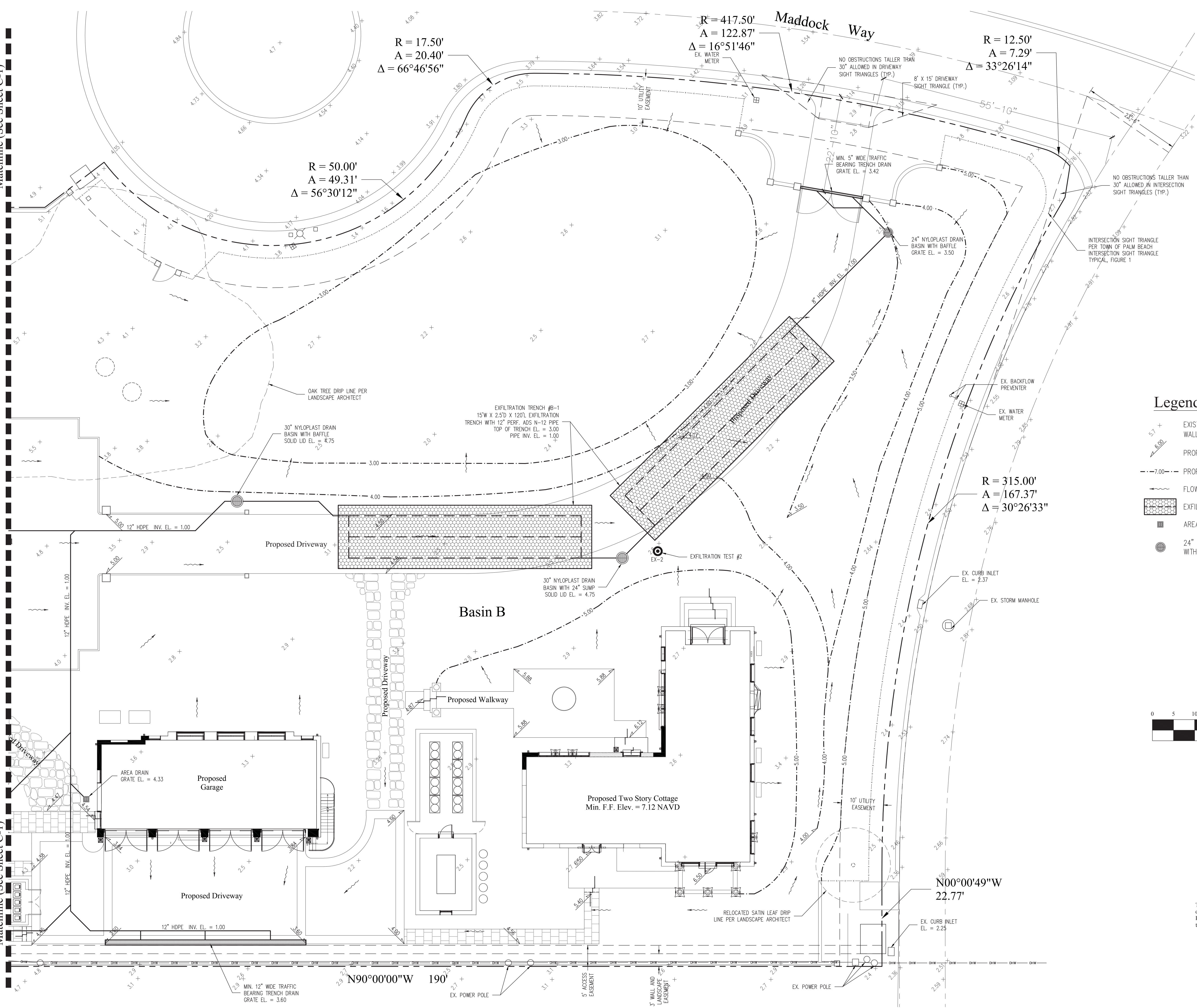
Plan Background from Hardscape Plan by Nievera Williams Design Received 5/15/23

ARC-23-065
ZON-23-060
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Sheet No.
C-1

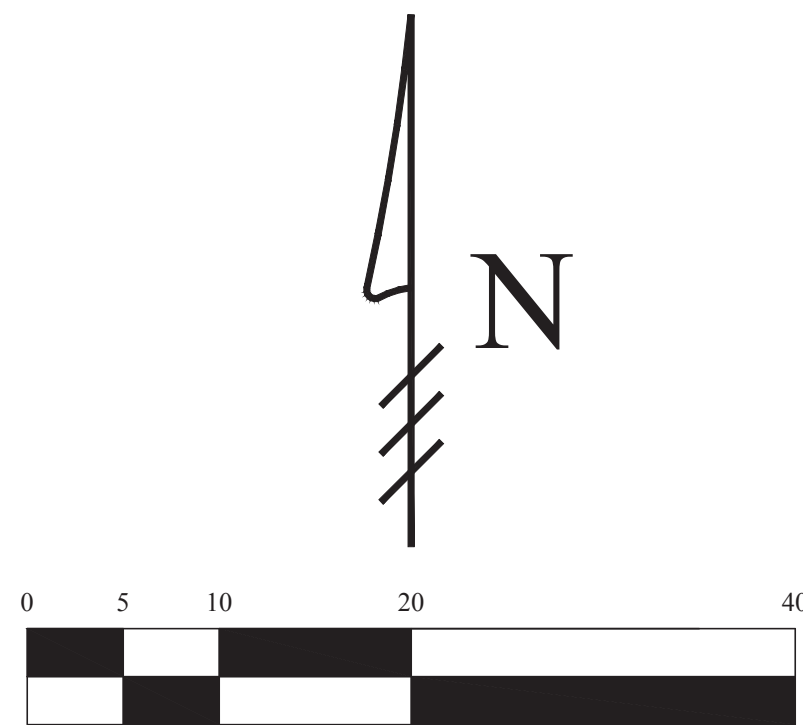
Matchline (See Sheet C-1)

Matchline (See Sheet C-1)



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" = 10'

05/15/23 UPDATE PLAN BACKGROUND; REVISE PROPOSED GRADING AND DRAINAGE



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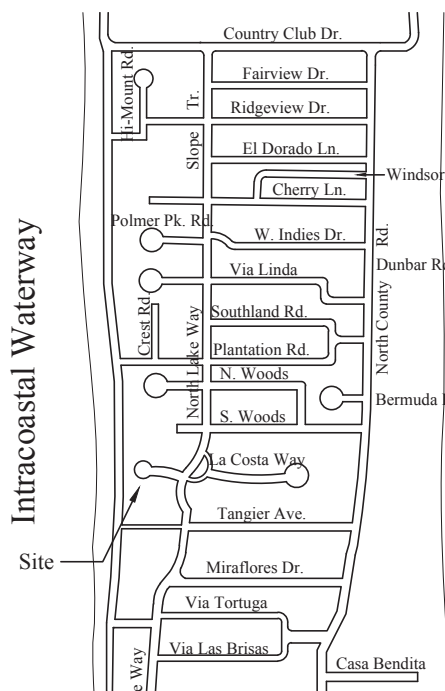
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Plan Background from Hardscape Plan by Nievera Williams Design Received 5/15/23

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Location Map
N.T.S.



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Engineers, Inc.
5754 MERCER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 863.12.2841
office@gruberengineers.com

Project Information				
Project No.	2010-0050	Issue Date	05/24/2023	Scale
Scale	1" = 10'	Drawn By	KM	Checked By
Checked By	CG			

Conceptual Site Grading & Drainage Plan (East Portion) For:

Proposed Residence

Palm Beach, Florida

304 Maddock Way

Revisions

1	05/15/2023
2	
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Chad M. Gruber

FL P.E. No. 57466

Sheet No.

C-2

Notes:

- 1) Exfiltration trenches and storm piping to be protected from roots with a root barrier.
- 2) 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.
- 3) 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.
- 4) Contractor is responsible for installing and maintaining erosion control measures during construction.
- 5) Video inspection of storm drainage system required prior to installation of sod.

STORMWATER RETENTION CALCULATIONS
BASIN A

A. SITE INFORMATION

Total Property Area = 80,867 sq.ft.

Basin A Area = 19,357 sq.ft.

Drainage Area Impervious Surface = 9,985 sq.ft.

Drainage Area Pervious Surface = 9,372 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 9,985 sq.ft. x 1 ft/12 in. = 1,664 cu.ft.

Pervious Runoff Volume:
0.2 x 2 in/hr x 9,372 sq.ft. x 1 ft/12 in. = 312 cu.ft.

Total Volume to be Retained = 1,976 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

Exfiltration Trench #A-1
L = Total Length of Trench Provided = 30 ft
W = Trench Width = 25 ft
K = Hydraulic Conductivity = 0.0000907 cfs/sq.ft./ft. of head
H2 = Depth to Water Table = 2.00 ft
DU = Un-Saturated Trench Depth = 2.00 ft
DS = Saturated Trench Depth = 0.50 ft
V = Volume Treated = 1,309 cu.ft.

Exfiltration Trench #A-2
L = Total Length of Trench Provided = 25 ft
W = Trench Width = 20 ft
K = Hydraulic Conductivity = 0.0000907 cfs/sq.ft./ft. of head
H2 = Depth to Water Table = 2.00 ft
DU = Un-Saturated Trench Depth = 2.00 ft
DS = Saturated Trench Depth = 0.50 ft
V = Volume Treated = 883 cu.ft.

Exfiltration Trench #A-3
L = Total Length of Trench Provided = 55 ft
W = Trench Width = 5 ft
K = Hydraulic Conductivity = 0.0000907 cfs/sq.ft./ft. of head
H2 = Depth to Water Table = 2.00 ft
DU = Un-Saturated Trench Depth = 2.00 ft
DS = Saturated Trench Depth = 0.50 ft
V = Volume Treated = 658 cu.ft.

Total Volume Retained in Exfiltration Trenches = 2,850 cu.ft.

STORMWATER RETENTION CALCULATIONS
BASIN B

A. SITE INFORMATION

Total Property Area = 80,867 sq.ft.

Basin B Area = 61,510 sq.ft.

Drainage Area Impervious Surface = 24,300 sq.ft.

Drainage Area Pervious Surface = 37,210 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 24,300 sq.ft. x 1 ft/12 in. = 4,050 cu.ft.

Pervious Runoff Volume:
0.2 x 2 in/hr x 37,210 sq.ft. x 1 ft/12 in. = 1,240 cu.ft.

Total Volume to be Retained = 5,290 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 120 ft
W = Trench Width = 15 ft
K = Hydraulic Conductivity = 0.000316 cfs/sq.ft./ft. of head
H2 = Depth to Water Table = 1.92 ft
DU = Un-Saturated Trench Depth = 1.50 ft
DS = Saturated Trench Depth = 1.00 ft
V = Volume Treated = 6,338 cu.ft.

Ardaman & Associates, Inc.
FIELD PERMEABILITY TEST LOG
SFWMD USUAL OPEN-HOLE TEST
EX-1

PROJECT: New Residence at 303-304 Maddock Way
Palm Beach, Florida
TEST LOCATION: As per plan
GROUNDWATER OBSERVED AT DEPTH: Greater than 6.0 feet

FILE No.: 21-1660
DRILL CREW: DGQK
TEST DATE: 5/24/23

$Q = \frac{4Q}{\pi d(2H_1 + 4H_2 + H_3 + H_4 + H_5 + H_6 + H_7 + H_8 + H_9 + H_{10})}$
Q ["Stabilized" Flow Rate (cfs)] = 1.98×10^{-3}
K [Hydraulic Conductivity (cfs/sq. ft head)] = 9.07×10^{-6}
d [Diameter of Test Hole (ft)] = 0.375
H₁ [Depth to Water Table (ft)] = 6+
* D_s [Saturated Hole Depth (ft)] = 0
* By Groundwater

DEPTH SYMBOLS SOIL DESCRIPTION SAMPLE No.

0		Mixed grey fine sand some concrete and ironwork debris	
1			
2			
3		Orangeish brown fine sand	
4			
5			
6			

NOTES: Boring terminated at about 6.0 feet.

Ardaman & Associates

Ardaman & Associates, Inc.
FIELD PERMEABILITY TEST LOG
SFWMD USUAL OPEN-HOLE TEST
EX-2

PROJECT: New Residence at 303-304 Maddock Way
Palm Beach, Florida
TEST LOCATION: As per plan
GROUNDWATER OBSERVED AT DEPTH: 3.3 feet

FILE No.: 21-1660
DRILL CREW: DGQK
TEST DATE: 5/24/23

$Q = \frac{4Q}{\pi d(2H_1 + 4H_2 + H_3 + H_4 + H_5 + H_6 + H_7 + H_8 + H_9 + H_{10})}$
Q ["Stabilized" Flow Rate (cfs)] = 5.66×10^{-3}
K [Hydraulic Conductivity (cfs/sq. ft head)] = 3.16×10^{-4}
d [Diameter of Test Hole (ft)] = 0.375
H₁ [Depth to Water Table (ft)] = 3.5
* D_s [Saturated Hole Depth (ft)] = 2.5
* By Groundwater

DEPTH SYMBOLS SOIL DESCRIPTION SAMPLE No.

0		Grey fine sand, some concrete and ironwork debris	
1		Orangeish brown fine sand	
2			
3		Mixed black and grey silty organics ("muck")	
4			
5		Dark grey organic silt ("muck")	
6			

NOTES: Boring terminated at about 6.0 feet.

Ardaman & Associates

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3034 MERGER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 561.312.2041
office@gruberengineers.com

Project Information				
Project No.	2010-0059	Issue Date	02/24/2023	Scale
Drawn By	As Shown	Checked By	RM	CG

Conceptual Drainage Notes & Calculations For:
Proposed Residence
304 Maddock Way
Palm Beach, Florida

Revisions	
1	05/15/2023
2	
3	
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FL P.E. No. 57466

Sheet No.
C-3

1

05/15/23

REVISE CALCULATIONS; ADD
SOIL TEST RESULTS

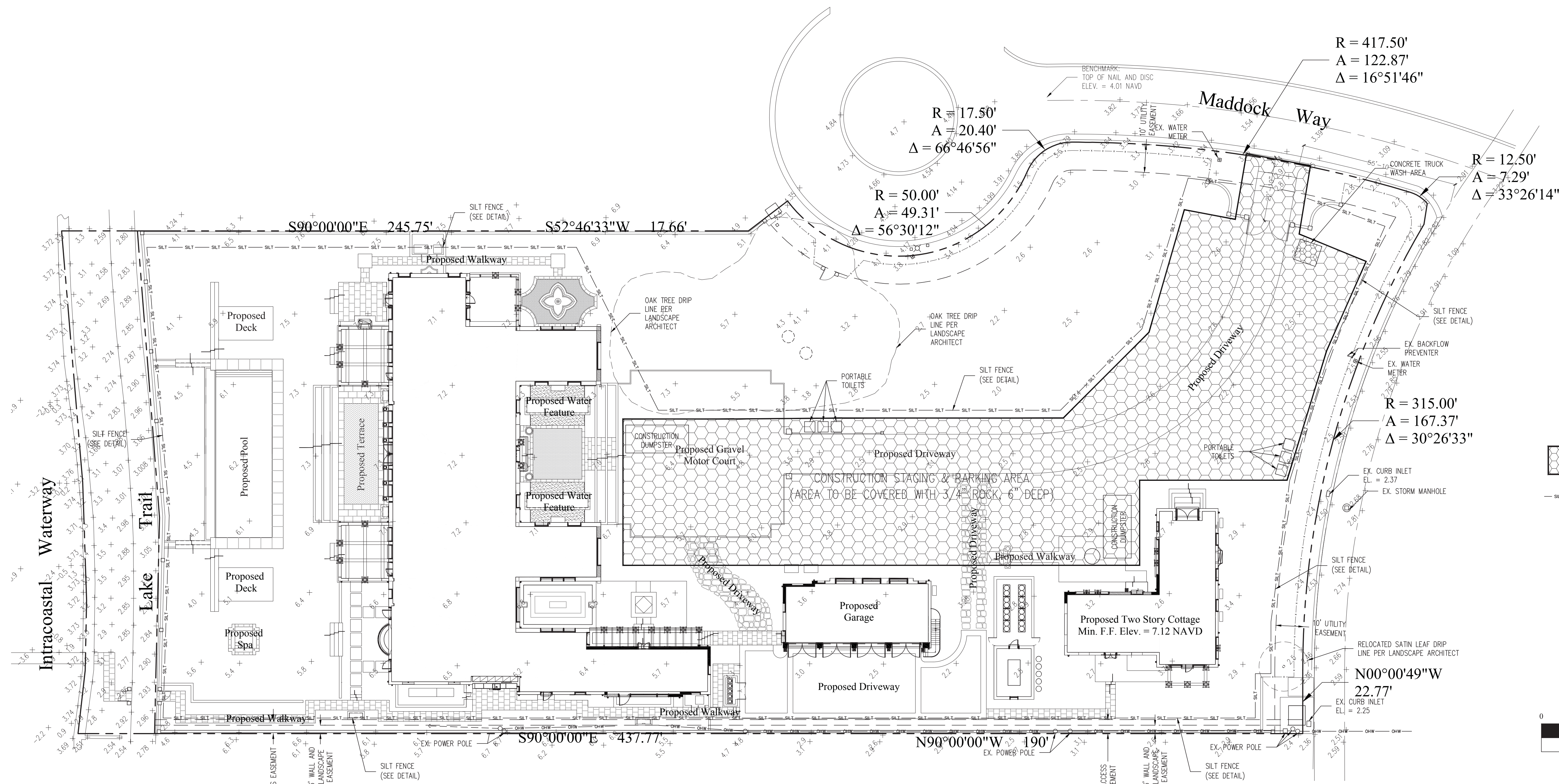


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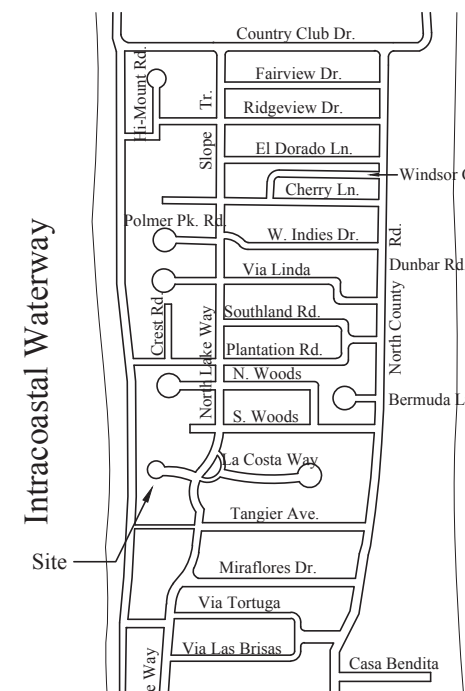
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1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.
Contractor is responsible for obtaining
location of existing utilities prior to
commencement of construction activities.

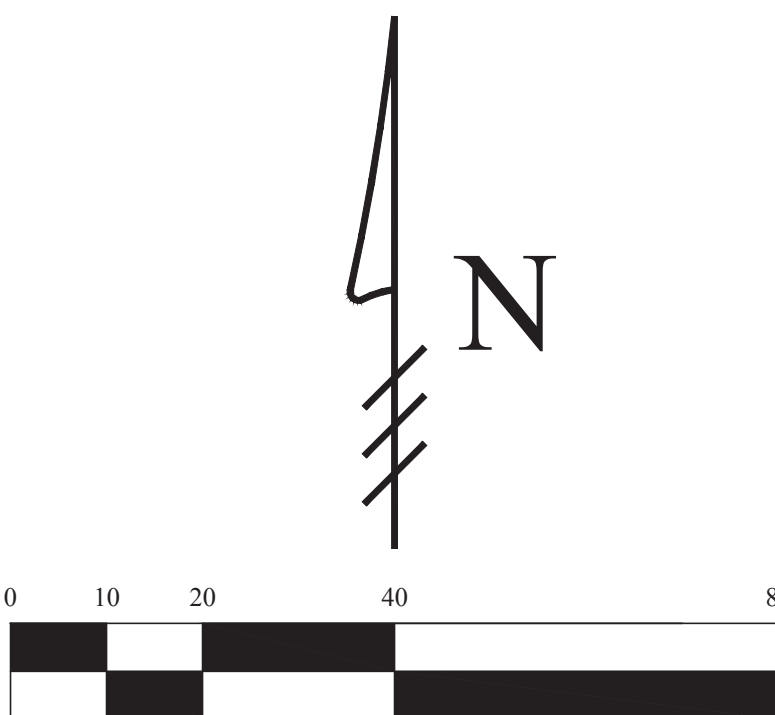


Gruber Consulting
Engineers, Inc.
574 MERCER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 561.312.2841
office@gruberengineers.com



Location Map
N.T.S.

Legend



Scale: 1" = 20'

Notes:

- Contractor is responsible for installing and maintaining erosion control measures during construction.
- Contractor to investigate condition of existing sewer service prior to building permit submittal. If existing service is cast iron, or in poor condition, service will be replaced to main per Town of Palm Beach standards.
- Contractor shall apply for and obtain coverage under the NPDES Notice of Intent to Use Generic Permit from the Florida Department of Environmental Protection for construction activities greater than 1 acre and less than 5 acres prior to commencement of construction.
- Contractor shall be responsible for keeping a log of inspections, maintenance and repair of erosion control measures throughout the life of the project. Log entries shall be made weekly and after any storm event with greater than 1/2" of rainfall, measured in the onsite rain gauge.

Erosion and Sediment Controls:

Sequence of Timing of Erosion and Sediment Control Measures

- Excavation of water management facilities should occur immediately after clearing and grubbing to serve as a sediment trap or catchment for stormwater runoff from exposed soils.
- Construction of perimeter berm or site grading to prevent off-site discharge of stormwater runoff.
- Placement of silt fences and/or hay bales, properly anchored, to contain erosion in areas prone to stormwater runoff erosive velocities.
- Permanent stabilization will be provided for each inlet either by silt fence/filter fabric staked in place or hay bales.
- Inlet protection will be provided for each inlet either by silt fence/filter fabric staked in place or hay bales.
- Outlet protection will be provided by turbidity screens within the receiving body.

Maintenance/Inspection Procedures:

Erosion and Sediment Control and Maintenance Practices

- All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater. Rainfall amount should be based on an onsite rain gauge.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of onsite inspection report.
- Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
- Silt fence will be inspected for depth of sediment and tears to see if the fabric is securely attached to the fence posts and to see that the fence posts are firmly in the ground.
- A maintenance inspection report will be made after each inspection.
- The site superintendent will designate a qualified employee who will be responsible for inspections, maintenance and repair activities and completing inspection and maintenance reports.

Other Controls Material Management Practices

Waste Materials: All waste materials will be collected and stored in a securely covered metal dumpster provided by a licensed solid waste management company in local County. The dumpster will meet all County and State solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied as needed so there is no overflow. Trash will be hauled to an authorized/permitted landfill facility. All personnel will be instructed regarding the correct procedure of waste disposal.

Hazardous Waste: All hazardous waste material will be disposed of in a manner specified by local or State regulations. Site personnel will be instructed in these practices.

Sanitary Waste: All sanitary waste will be collected from the portable units a minimum of twice per week by the licensed Sanitary Company, as required by local regulations.

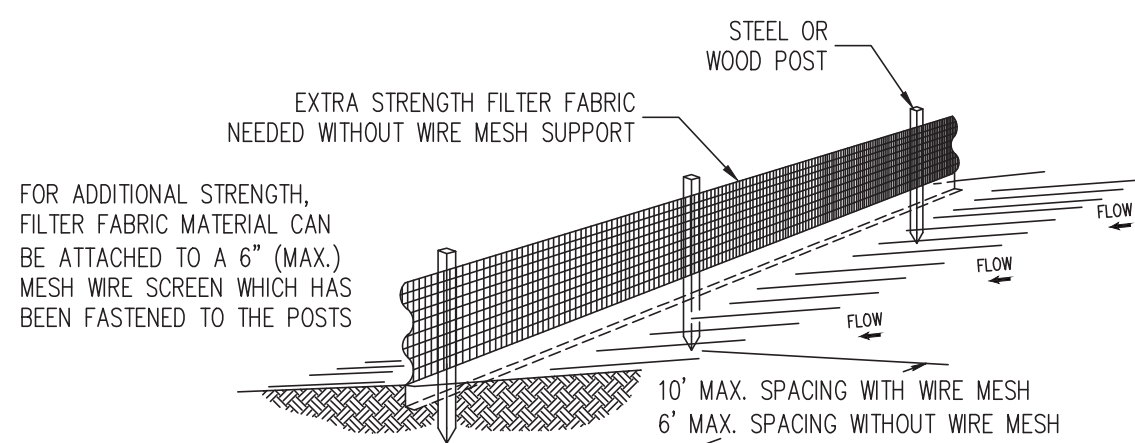
Petroleum Products: All on-site vehicles and tanks will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any asphalt substances used on-site will be applied accordingly to the manufacturer's recommendations. All above ground tanks for fueling will be secondarily contained.

Pesticides and Herbicides: Any pesticide and herbicide usage will be by State licensed applicators.

Fertilizers: Fertilizers used will be applied only in the minimum amount recommended by the manufacturer. If stored on-site, covered storage will be provided. The contents of any partially used bags of fertilizers will be transferred to a sealable container to avoid spills.

Paints: All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers' instructions or State or local regulations.

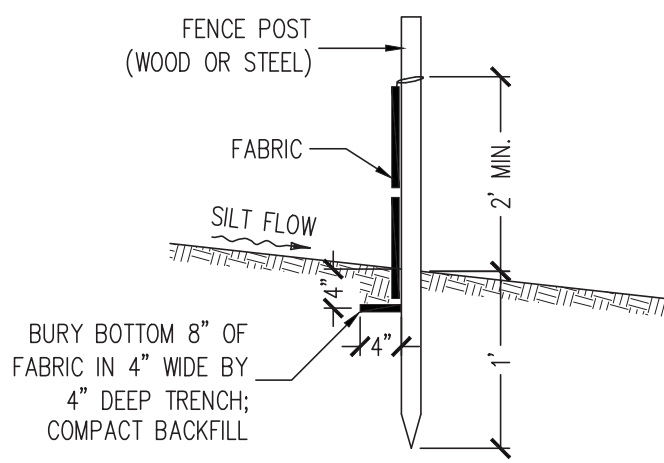
Offsite Vehicle Tracking: A stabilized construction entrance will be provided to reduce vehicle tracking of sediments. Dump trucks hauling material from the construction site will be covered with a tarpaulin, as required by State law.



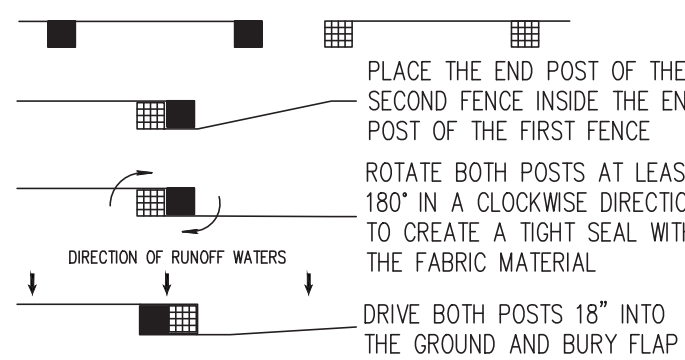
Notes:

- The height of a silt fence shall not exceed 36".
- Filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints.
- Posts shall be spaced a maximum of 10' apart at the barrier location and driven securely into the ground a minimum of 12". When extra strength fabric is used without the wire support fence, post spacing shall not exceed 6".
- A trench shall be excavated approximately 4" wide and 4" deep along the line of posts and slope from the barrier.
- When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1" long, tie wires, or hog rings. The wire shall extend into the trench a minimum of 2" and shall not extend more than 36" above the original ground surface.
- The standard strength filter fabric shall be stapled or wired to the fence, and 8" of the fabric shall be extended into the trench. The fabric shall not extend more than 36" above the original ground surface.
- The trench shall be backfilled and the soil compacted over the filter fabric.

SILT FENCE DETAIL
N.T.S.



SILT FENCE SECTION
N.T.S.



ATTACHING TWO SILT FENCES
N.T.S.



GRUBER CONSULTING ENGINEERS

LANDSCAPE/DRAINAGE PLAN CONFLICT STATEMENT

To: Planning Administrator
Town of Palm Beach

From: Chad M. Gruber, P.E.

Re: Proposed Residence
302 Maddock Way
Palm Beach, FL

Date: March 24, 2023

I have reviewed the landscape plan prepared by Nievera Williams Design for the referenced project received 4/24/23 and compared it with the latest conceptual drainage plan prepared by this office dated 4/29/23. 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,

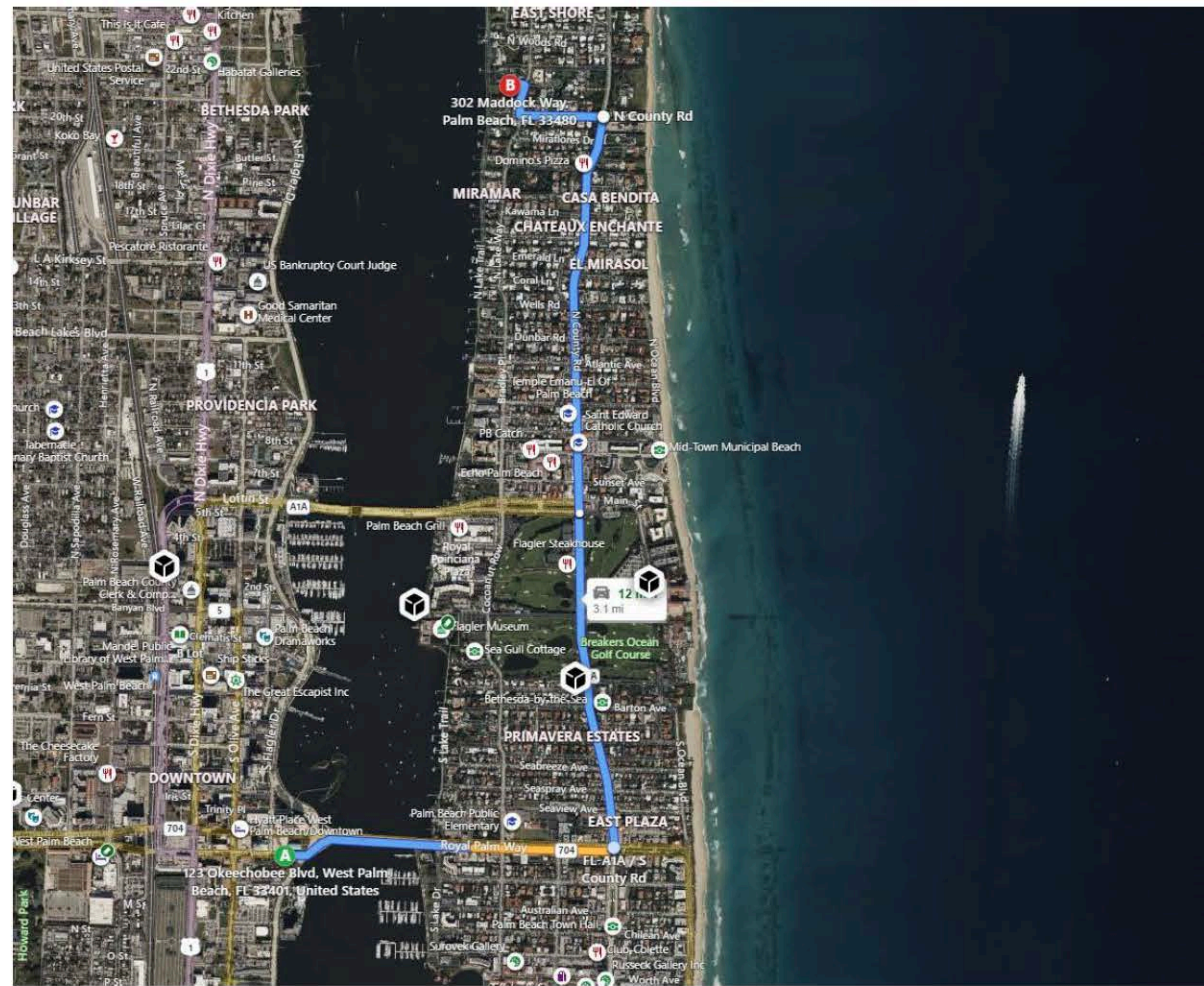


Digitally signed
by Chad M Gruber
Date: 2023.04.29
12:38:35 -04'00'

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

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.

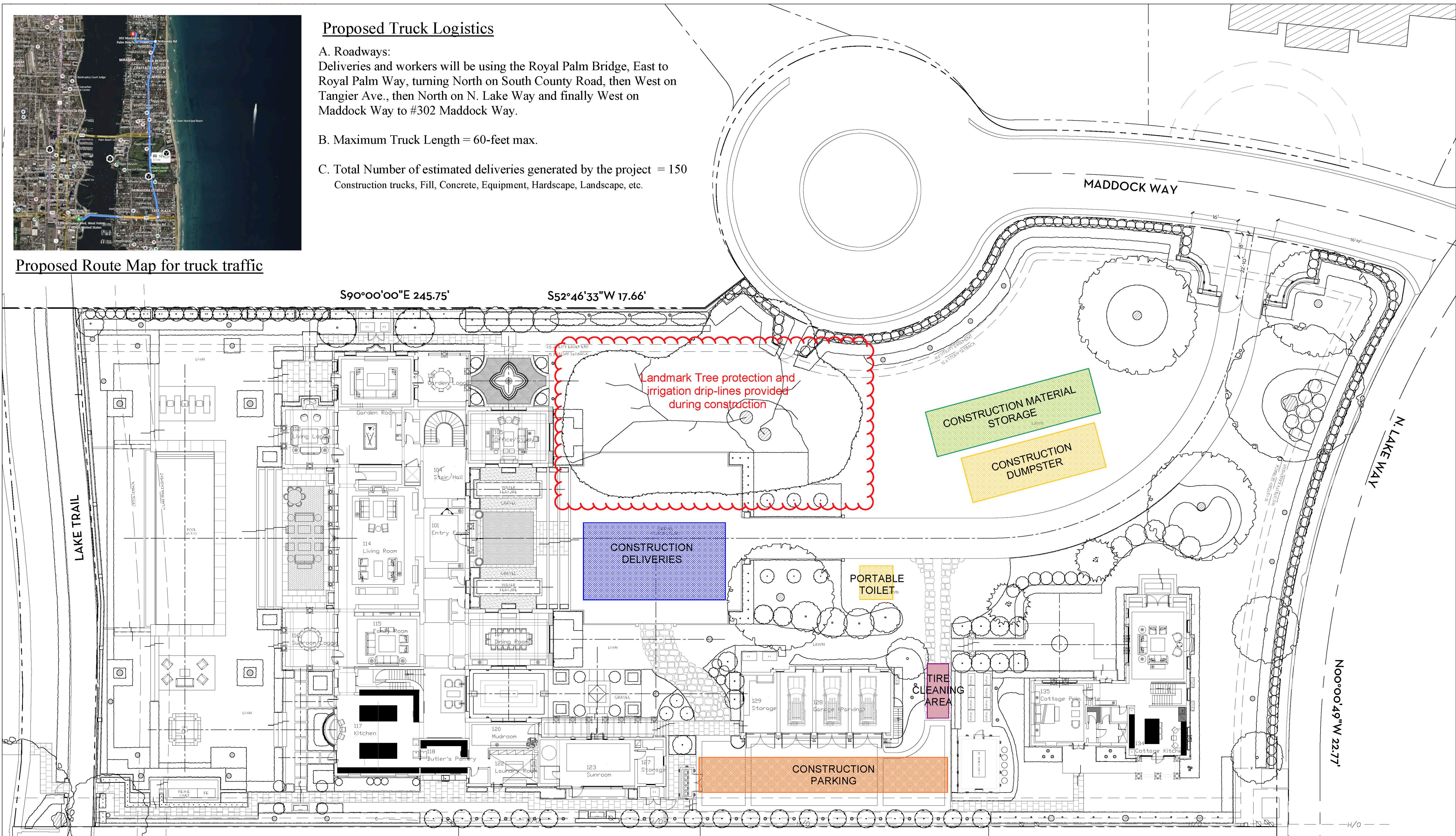
Cc: File



Proposed Route Map for truck traffic

Proposed Truck Logistics

- A. Roadways:
Deliveries and workers will be using the Royal Palm Bridge, East to Royal Palm Way, turning North on South County Road, then West on Tanger Ave., then North on N. Lake Way and finally West on Maddock Way to #302 Maddock Way.
- B. Maximum Truck Length = 60-foot max.
- C. Total Number of estimated deliveries generated by the project = 150
Construction trucks, Fill, Concrete, Equipment, Hardscape, Landscape, etc.



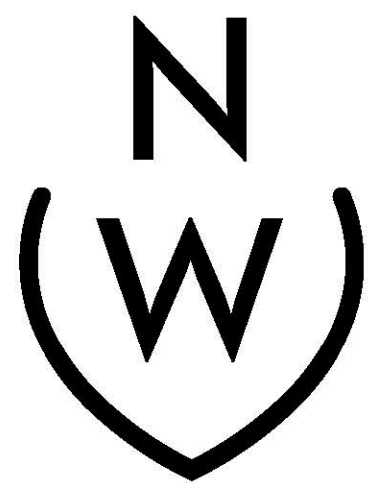
MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

OVERALL SITE PLAN
PRIVATE RESIDENCE

304 MADDOCK WAY, PALM BEACH, FL.

01 MAY 2023
27 MAR 2023
09 MAR 2023
20 FEB 2023



NIEVERA WILLIAMS
DESIGN

625 N. Flagler Drive
Suite 502
West Palm Beach, FL 33401
P: 561-659-2820
F: 561-659-2113

NIEVERAWILLIAMS.COM

**Construction
Staging and
Truck Logistics**

ARC-23-065
ZON-23-060

SCALE: 1/16" = 1'-0"

Preliminary Proposed and Conceptual Construction Schedule Synopsis - ARCOM

304 Maddock Way, Palm Beach, Florida 33480

April 17, 2023

CONSTRUCTION COMMENCEMENT January 8, 2024 (22 Months)

- Site Clearing, Temporary Construction & Site Logistic Preparation Complete – 02/07/24
- Excavation, Rough Grading & Piles Complete – 03/11/24
- Site Utilities & Heavy MEP Rough-In – Complete – 04/04/24
- First Floor Structure & Waterproofing Complete – 04/08/24
- Second Floor Structure & Waterproofing Complete – 07/08/24
- Roof Level Structure & Waterproofing Complete – 09/10/24
- Accessory Buildings Structure & Waterproofing Complete – 09/11/24
- Building Envelope – Roof Sheathing, Windows, Doors Complete – 01/08/25
- Swimming Pool Complete – 01/08/25
- **Dry-In Complete - January 8, 2025**
- Mechanical Systems Rough-In Complete – 04/08/25
- Interior Non-Structural Framing & Rough Carpentry Complete – 05/08/25
- GWB & Taping Complete – 06/06/25
- Intermediate Grading Complete – 06/06/25
- **White Box Complete - June 8, 2025**
- Second Floor – Finishes Complete – 09/08/25
- Final Grading & Exterior Hardscape and Flatwork Complete – 10/08/25
- Landscaping & Exterior Sitework 70% Complete – 09/08/25
- First Floor – Finishes Complete – 09/15/25
- Accessory Buildings – Finishes Complete – 10/08/25
- **Interior Finishes Complete - October 8, 2025**
- Dust Free Inspection & FPL Power Release – 09/08/25
- Final TOPB Inspections Complete (CO) – 08/25/25
- Landscaping & Exterior Sitework 100% Complete – 11/07/25
- Commissioning & Testing All Systems Complete – 11/07/25
- AV Programming/Interior & Exterior Light Pointing Complete 11/07/25
- **Construction Scope Project Completion - November 8, 2025**
- Milling & Paving of Maddock Way

304 MADDOCK WAY - CONCEPTUAL PROJECT SCHEDULE																									
ID	1 Task Mode	Task Name	Duration	Start	Finish																				
1		Site Clearing & Temporary Construction	23 days	Mon 1/8/24	Wed 2/7/24	Site Clearing & Temporary Construction																			
2		Excavation, Rough Grading & Piles Complete	46 days	Mon 1/8/24	Mon 3/11/24	Excavation, Rough Grading & Piles Complete																			
3		Site Utilities & Heavy MEP Rough-In	45 days	Sun 2/4/24	Thu 4/4/24	Site Utilities & Heavy MEP Rough-In																			
4		First Floor Structure & Waterproofing Complete	67 days	Sun 1/7/24	Mon 4/8/24	First Floor Structure & Waterproofing Complete																			
5		Second Floor Structure & Waterproofing Complete	67 days	Sun 4/7/24	Mon 7/8/24	Second Floor Structure & Waterproofing Complete																			
6		Roof Level Structure & Waterproofing Complete	43 days	Sun 7/14/24	Tue 9/10/24	Roof Level Structure & Waterproofing Complete																			
7		Accessory Buildings Structure & Waterproofing Complete	109 days	Sun 4/14/24	Wed 9/11/24	Accessory Buildings Structure & Waterproofing Complete																			
8		Building Envelope – Roof Sheathing, Windows, Doors Complete	69 days	Sun 10/6/24	Wed 1/8/25	Building Envelope – Roof Sheathing, Windows, Doors Complete																			
9		Swimming Pool Complete	69 days	Sun 10/6/24	Wed 1/8/25	Swimming Pool Complete																			
10		Dry-In Complete 1/8	0 days	Wed 1/8/25	Wed 1/8/25	Dry-In Complete 1/8																			
11		Mechanical Systems Rough-In Complete	88 days	Sun 12/8/24	Tue 4/8/25	Mechanical Systems Rough-In Complete																			
12		Interior Non-Structural Framing & Rough Carpentry Complete	133 days	Tue 11/5/24	Thu 5/8/25	Interior Non-Structural Framing & Rough Carpentry Complete																			
13		GWB & Taping Complete	111 days	Sun 1/5/25	Fri 6/6/25	GWB & Taping Complete																			
14		Intermediate Grading Complete	22 days	Thu 5/8/25	Fri 6/6/25	Intermediate Grading Complete																			
15		White Box Complete 6/8	0 days	Sun 6/8/25	Sun 6/8/25	White Box Complete 6/8																			
16		Second Floor – Finishes Complete	131 days	Mon 3/10/25	Mon 9/8/25	Second Floor – Finishes Complete																			
17		Final Grading & Exterior Hardscape and Flatwork Complete	130 days	Thu 4/10/25	Wed 10/8/25	Final Grading & Exterior Hardscape and Flatwork Complete																			
18		Landscaping & Exterior Sitework 70% Complete	23 days	Thu 8/7/25	Mon 9/8/25	Landscaping & Exterior Sitework 70% Complete																			
19		First Floor – Finishes Complete	102 days	Sun 4/27/25	Mon 9/15/25	First Floor – Finishes Complete																			
20		Accessory Buildings – Finishes Complete	65 days	Thu 7/10/25	Wed 10/8/25	Accessory Buildings – Finishes Complete																			
21		Interior Finishes Complete 10/8	0 days	Wed 10/8/25	Wed 10/8/25	Interior Finishes Complete 10/8																			
22		Dust Free Inspection & FPL Power Release 9/8	0 days	Mon 9/8/25	Mon 9/8/25	Dust Free Inspection & FPL Power Release 9/8																			
23		Final TOPB Inspections Complete (CO) 8/25	0 days	Mon 8/25/25	Mon 8/25/25	Final TOPB Inspections Complete (CO) 8/25																			
24		Landscaping & Exterior Sitework 100% Complete	23 days	Wed 10/8/25	Fri 11/7/25	Landscaping & Exterior Sitework 100% Complete																			
25		Commissioning & Testing All Systems Complete	23 days	Wed 10/8/25	Fri 11/7/25	Commissioning & Testing All Systems Complete																			
26		AV Programming/Interior & Exterior Light Pointing Complete	23 days	Wed 10/8/25	Fri 11/7/25	AV Programming/Interior & Exterior Light Pointing Complete																			
27		Construction Scope Project Completion 11/8	0 days	Sat 11/8/25	Sat 11/8/25	Construction Scope Project Completion 11/8																			
28		Milling & Paving of Maddock Way																							
Project: 304 Maddock Way_Con Date: Mon 4/17/23		Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Manual Progress																	
		Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline																		
		Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Progress																		
Page 1																									