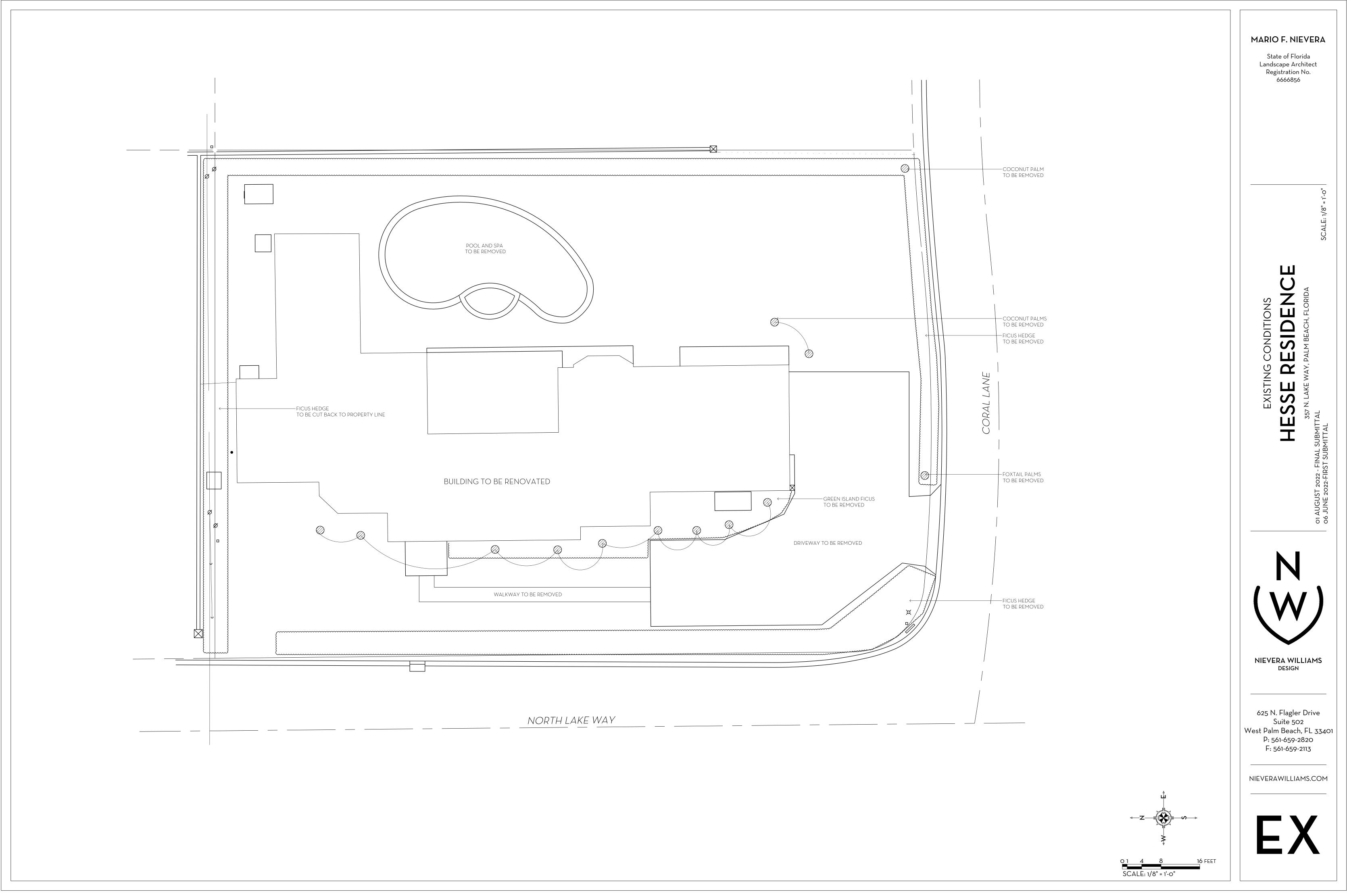


	MARIO F. NIEVERA State of Florida Landscape Architect Registration No. 6666856
	SOUTH ELEVATION SOUTH ELEVATION HESSE RESIDENCE 357 N. LAKE WAY, PALM BEACH, FLORIDA 01 AUGUST 2022 - EINAL SUBMITTAL 06 JUNE 2022-FIRST SUBMITTAL SCALE: 3/16" = 1-0"
<u>scale: 3/16" = 1'-0"</u>	NIEVERA WILLIAMS DESIGN





	MARIO F. NIEVERA State of Florida Landscape Architect Registration No. 6666856
	NORTH ELEVATION NORTH ELEVATION BESSE RESIDENCE 357 N. LAKE WAY, PALM BEACH, FLORIDA 357 N. LAKE WAY, PALM BEACH, FLORIDA 0. A UGUST 2022-FINAL SUBMITTAL 0. A UGUST 2022-FINAL SUBMITTAL 0. SCALE: 3716" = 1:-0"
<u>12 feet</u> SCALE: 3/16" = 1'-0"	NIEVERA WILLIAMS DESIGN

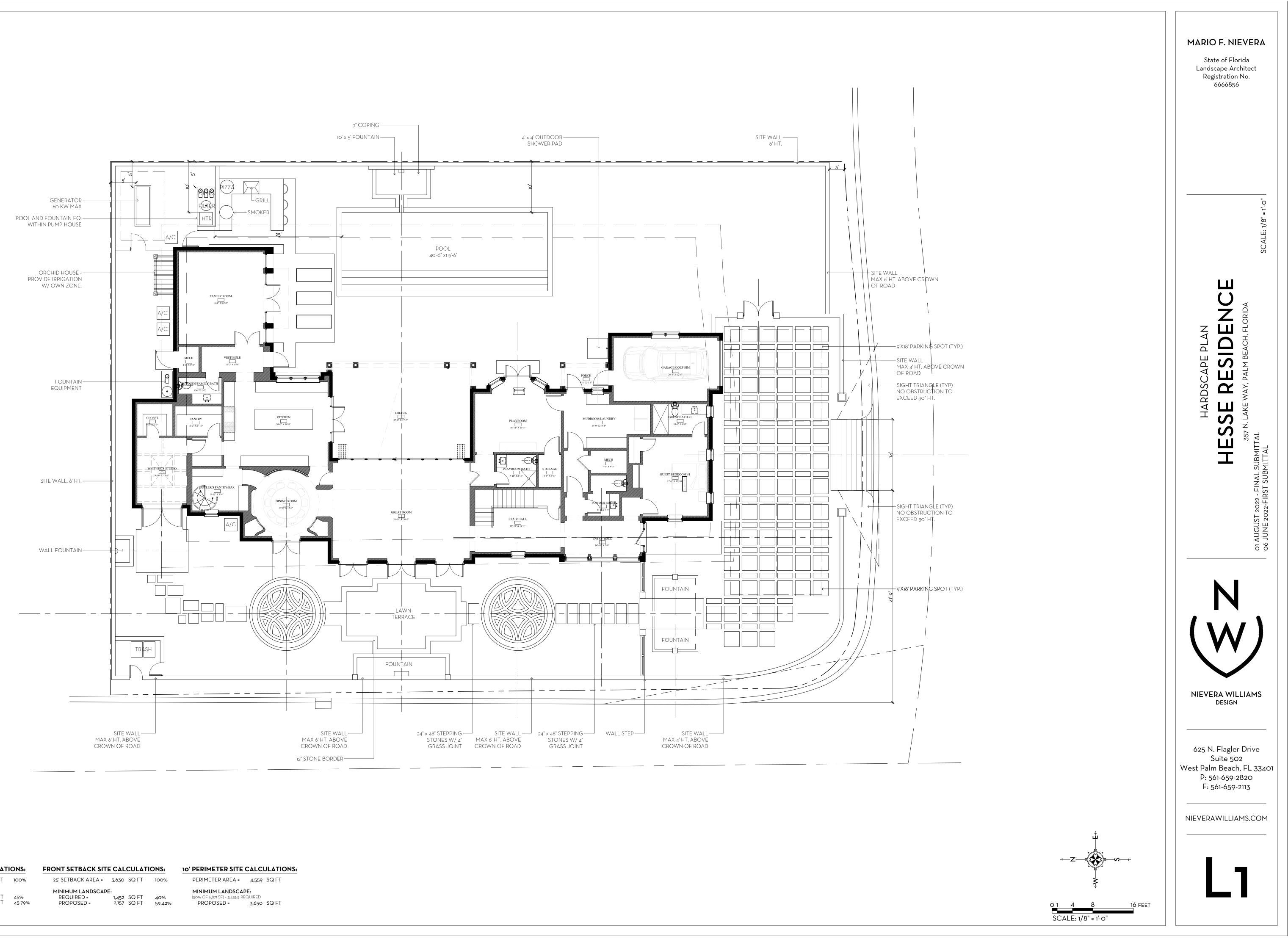




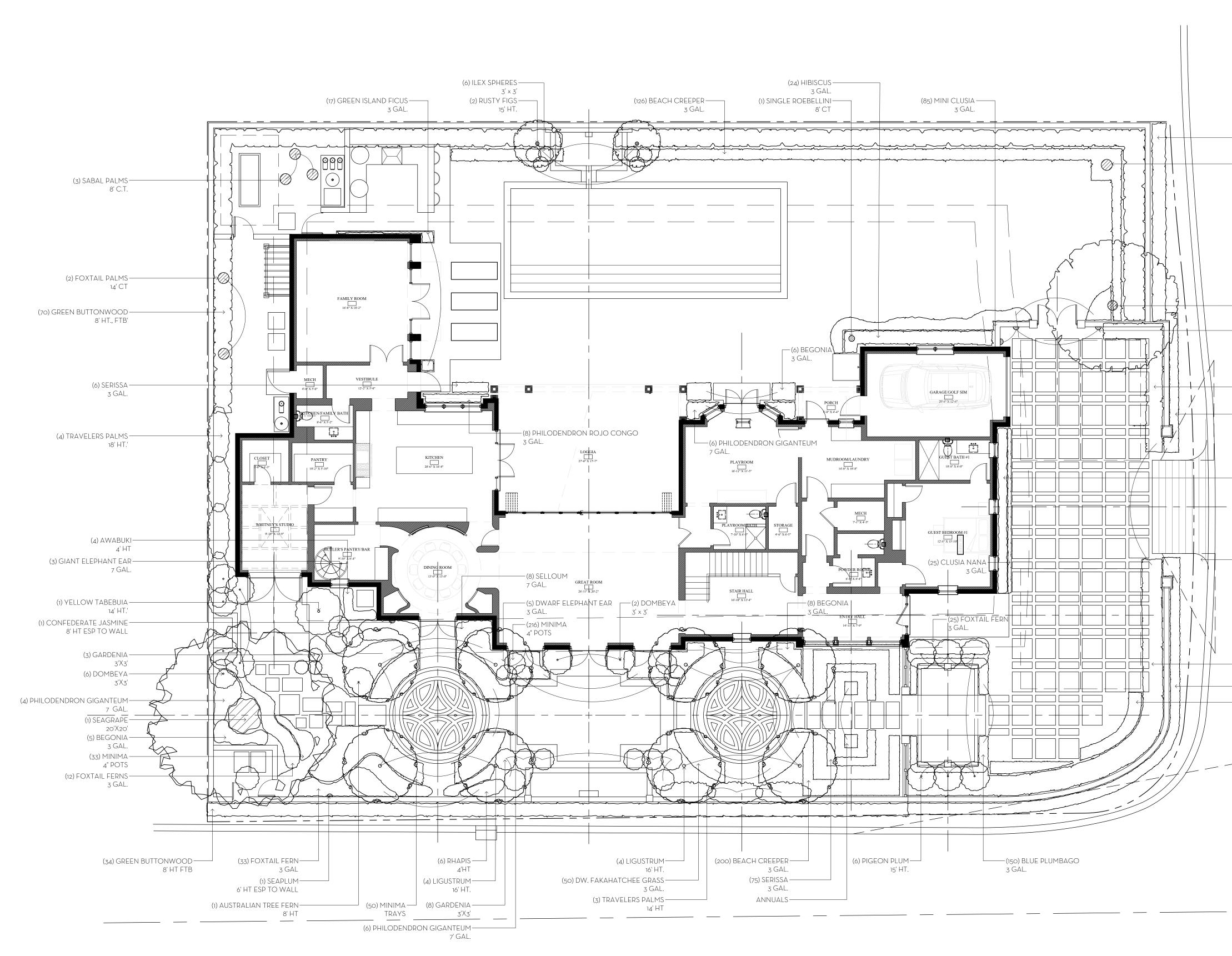
State of Florida Landscape Architect Registration No. 6666856 SCREENING PLAN SIDENCE ш S Ц <u>N</u> SЕ ш TRU S ONS 5 \triangleleft Щ Т oı AUGUST 2022 - FINA 06 JUNE 2022-FIRST SU NIEVERA WILLIAMS DESIGN 625 N. Flagler Drive Suite 502 West Palm Beach, FL 33401 P: 561-659-2820 F: 561-659-2113 NIEVERAWILLIAMS.COM **C**D

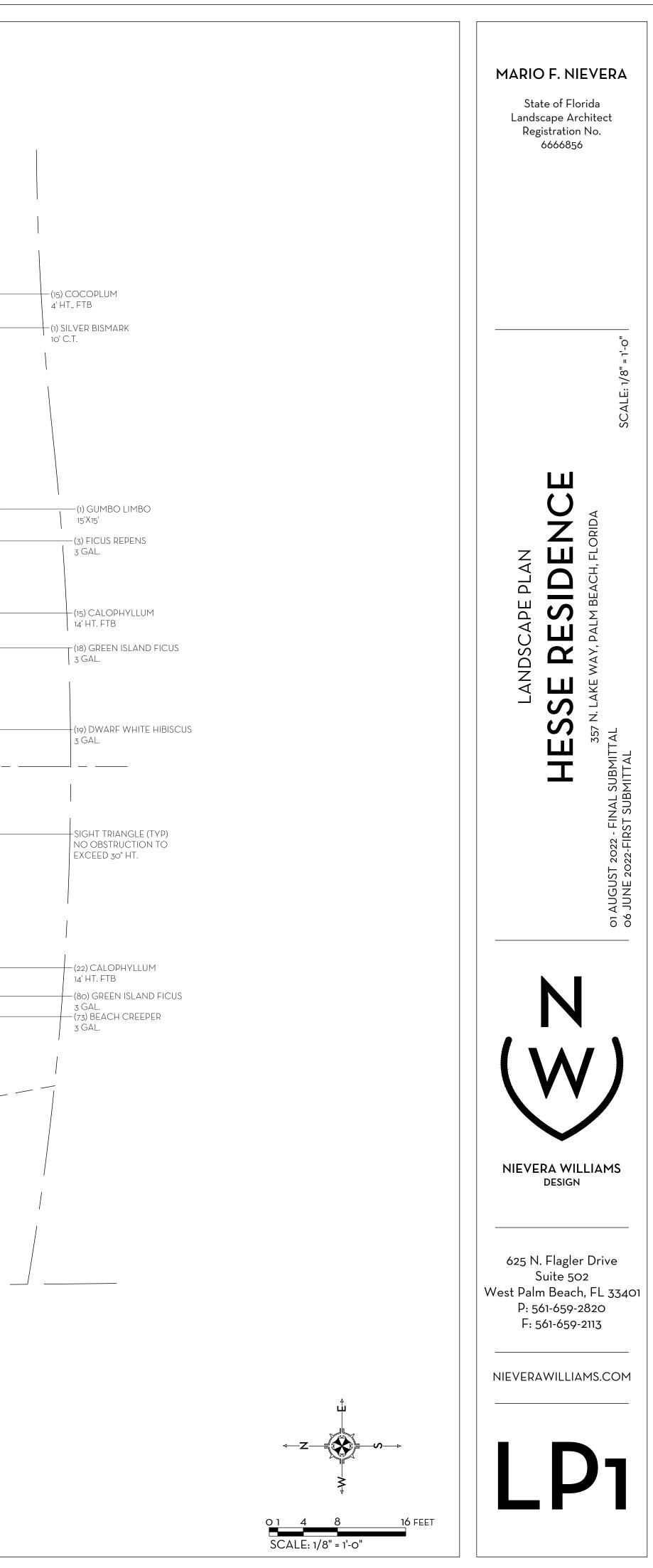
MARIO F. NIEVERA

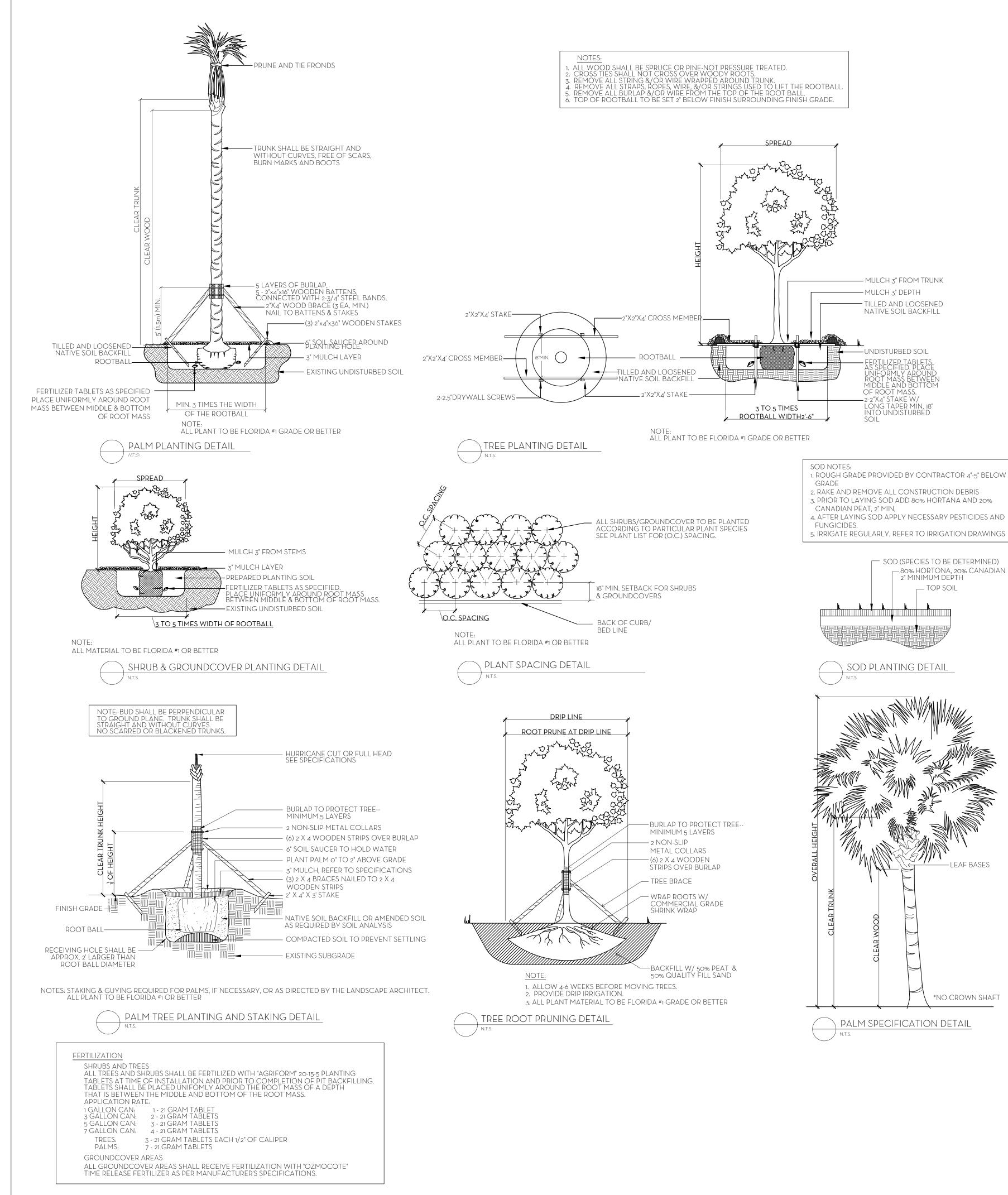
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	LATIONS:	FRONT SETBACK SIT	TE CALCULA1	IONS:	10' PERIMETER SITE	CALCULATIONS:
15,269 SQ	FT 100%	25' SETBACK AREA =	3,630 SQ FT	100%	PERIMETER AREA =	4,559 SQ FT
-,-,		REQUIRED =	1,452 SQ FT	40% 59.42%	MINIMUM LANDSCA (50% OF 6,871 SF) = 3,435.5 R PROPOSED =	
	15,269 SQ CAPE: 6,871 SQ	CAPE: 6,871 SQ FT 45%	15,269 SQ FT 100% 25' SETBACK AREA = CAPE: MINIMUM LANDSCAI 6,871 SQ FT 45%	15,269 SQ FT 100% 25' SETBACK AREA = 3,630 SQ FT CAPE: MINIMUM LANDSCAPE: REQUIRED = 1,452 SQ FT	15,269 SQ FT 100% 25' SETBACK AREA = 3,630 SQ FT 100% CAPE: MINIMUM LANDSCAPE: 6,871 SQ FT 45% REQUIRED = 1,452 SQ FT 40%	15,269 SQ FT 100% 25' SETBACK AREA = 3,630 SQ FT 100% PERIMETER AREA = CAPE: MINIMUM LANDSCAPE: MINIMUM LANDSCAPE: MINIMUM LANDSCAPE: MINIMUM LANDSCAPE: (50% OF 6,871 SF) = 3,435.5 R 6,871 SQ FT 45% REQUIRED = 1,452 SQ FT 40% (50% OF 6,871 SF) = 3,435.5 R







RADE					
RAKE AND REMOVE ALL CONSTRUCTION DEBRIS					
RIOR TO LAYING SOD ADD 80% HORTANA AND 20%					
ANADIAN PEAT, 2" MIN,					
FTER LAYING SOD APPLY NECESSARY PESTICIDES AND					
INGICIDES.					
IRRIGATE REGULARLY, REFER TO IRRIGATION DRAWINGS					
SOD (SPECIES TO BE DETERMINED)					

-	aterial Schedule				
TEM NO.	COMMON NAME	BOTANICAL NAME	QTY	NATIVE	SPECIFICATION
	TREES		1		
1	Pigeon Plum	Coccoloba uvifera X diversifolia	6	✓	15' H T
2	Gumbo Limbo	Burseira sumaruba	1	✓	15'×15'
3	Ligustrum	Ligustrum japonicum	8		16' HT
4	Rusty Fig	Ficus rubusonisa	2		15' H T
5	Seagrape Tree	Coccoloba uvifera	1	✓	20'x20'
6	Yellow Tabebuia	Tabebuia aurea	I		14 ' H ⊤
			19	42%	
	PALMS				
	Silver Bizmarck Palm	Bismarckia nobilis	1		10' CT.
 8	Sabal Palms	Sabal palmetto	3	~	8'CT.
9	Foxtail Palm	Wodyetia bifurcata	2	•	и'CT
		Phoenix roebelenii			8'CT.
10	Single Roebellini		1	4704	
			7	43%	
10	HEDGE/SHRUB	Duur - Is 1	_		-01UT
10	Traveler Palm	Ravenala madagascariensis	7		18' HT.
11	Calophyllum	Calophyllum brasiliense	37		14' HT FTB
12	Cocoplum	Chrysobalanus icaco	15	✓	4' HT FTB
13	Green Buttonwood	Conocarpus erectus	104	✓	8' HT FTB
15	Gardenia	Gardenia jasminoides	11		3'×3'
14	Awabu ki	Viburnum odoratissimum awabuki	4		.4' HT.
15	Dombeya	Dombeya	8		3'×3'
16	Australian Tree Fern	Alsophila australis	1		8' H T.
17	Rhapis	Rhapis	6		4' HT.
18	llex Sphere	llex cassine	6	✓	3'×3'
			199	63%	
	GROUND COVERS/VINES	1			
	Green Island Ficus	Ficus microcarpa 'Green Island'	115		з Gal.
	Beach Creeper	Ernodea littoralis	399	✓	з Gal.
	Serissa	Serissa japonica	81		3 Gal.
	Dwarf Fakahatchee Grass	Tripsacum dactyloides	50	✓	3 Gal.
	Giant Elephant Ear	Alocasia gigantea	3		7 Gal.
	Confederate Jasmine	Trachelospermum jasminoides	٦		8' HT. Esp. to Wall
	Philodendron Giganteum	Philodendron Giganteum	16		7 Gal.
	Begonia	Hillebrandia sandwicensis	19		з Gal.
	Minima	Trachelospermum asiaticum	57		Tray
	Foxtail Fern	Asparagus de nsiflorus	70		з Gal.
	Seaplum	Coccoloba x hybrida	1	~	6' HT. Esp. to Wall
	Blue Plumbago	Plumbago Auriculata	150		3 Gal.
	Dwarf White Hibiscus	Hibiscus "White'	19		3 Gal.
	Ficus Repens	Ficus pumila	3		з Gal.
	Mini Clusia	Clusia fluminensis	85		3 Gal.
	Hibiscus	Hibiscus	24		3 Gal.
	Selloum	Philodendron selloum	8		7 Gal.
	Clusia Nana	Clusia rosea	25		3 Gal.
	Philodendron Rojo Congo	Philodendron	8		3 Gal.
	Dwarf Elephant Ear	Alocasia			3 Gal.
	owan diepitant dat		5		<u>аран.</u>
	SOD		1139	40%	
	300				
	Diamond Zoysia		VIF		



Line #	Landscape Legend				
1	Property Address:	225 Tangier			
4		Required	Proposed		
5	Lot Size (sq ft)	10,000	15,269		
6	Landscape Open Space (LOS) (Sq Ft and %)	6,871 (45%)	6,992 (45.79%)		
7	Perimeter LOS (Sq Ft and %)	3,435.5 SF	3,440		
8	Front Yard LOS (Sq Ft and %)	1,452 (40%)	2,157 (59.42%)		
9	Native* Trees %	35%	42%		
10	Native* Palms %	35%	43%		
11	Native* Shrubs %	35%	63%		
12	Native* Vines / Ground Cover %	35%	40%		

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

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

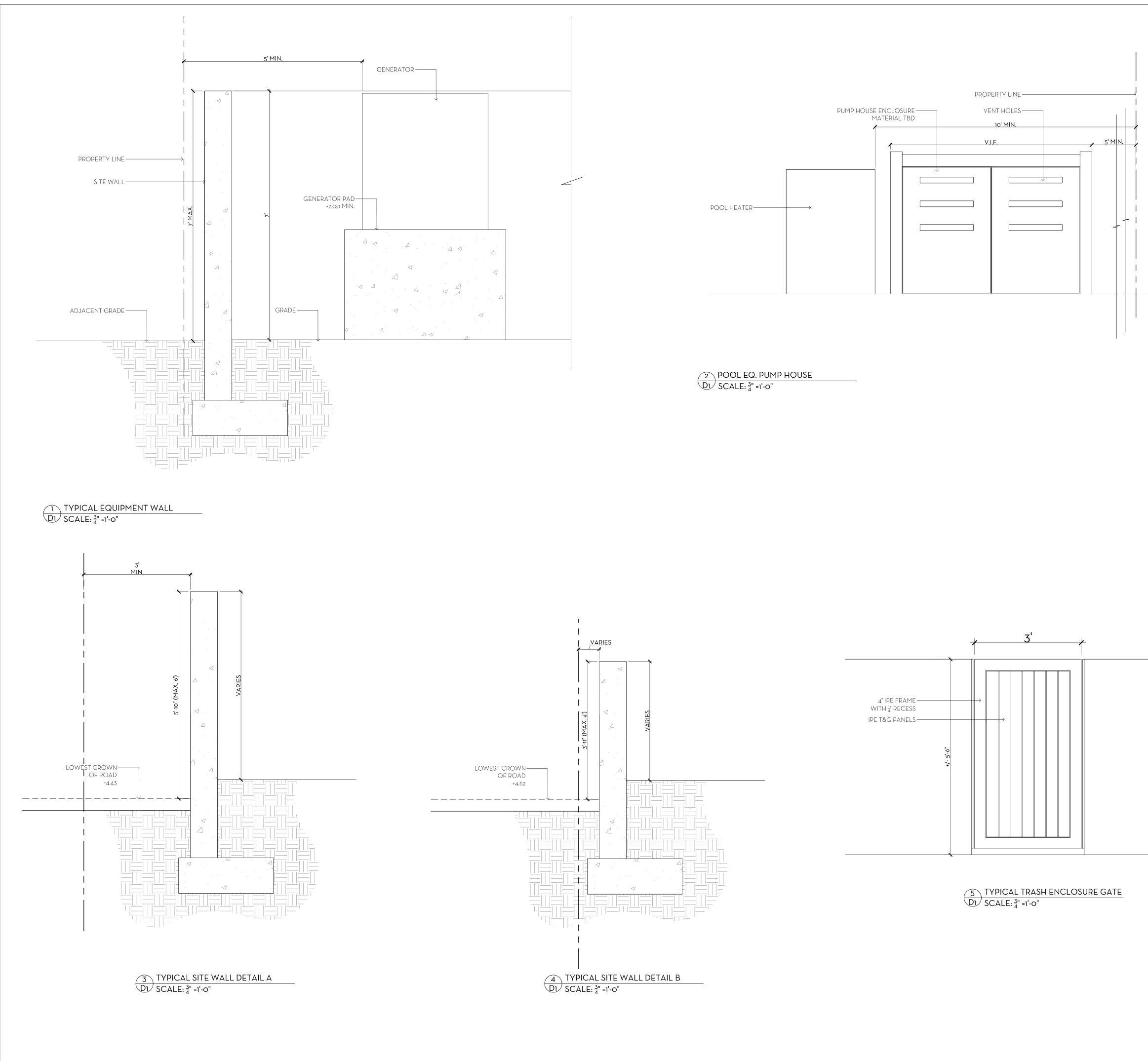
Town of Palm Beach

Planning Zoning and Building 360 S County Rd Palm Beach, FL 33480

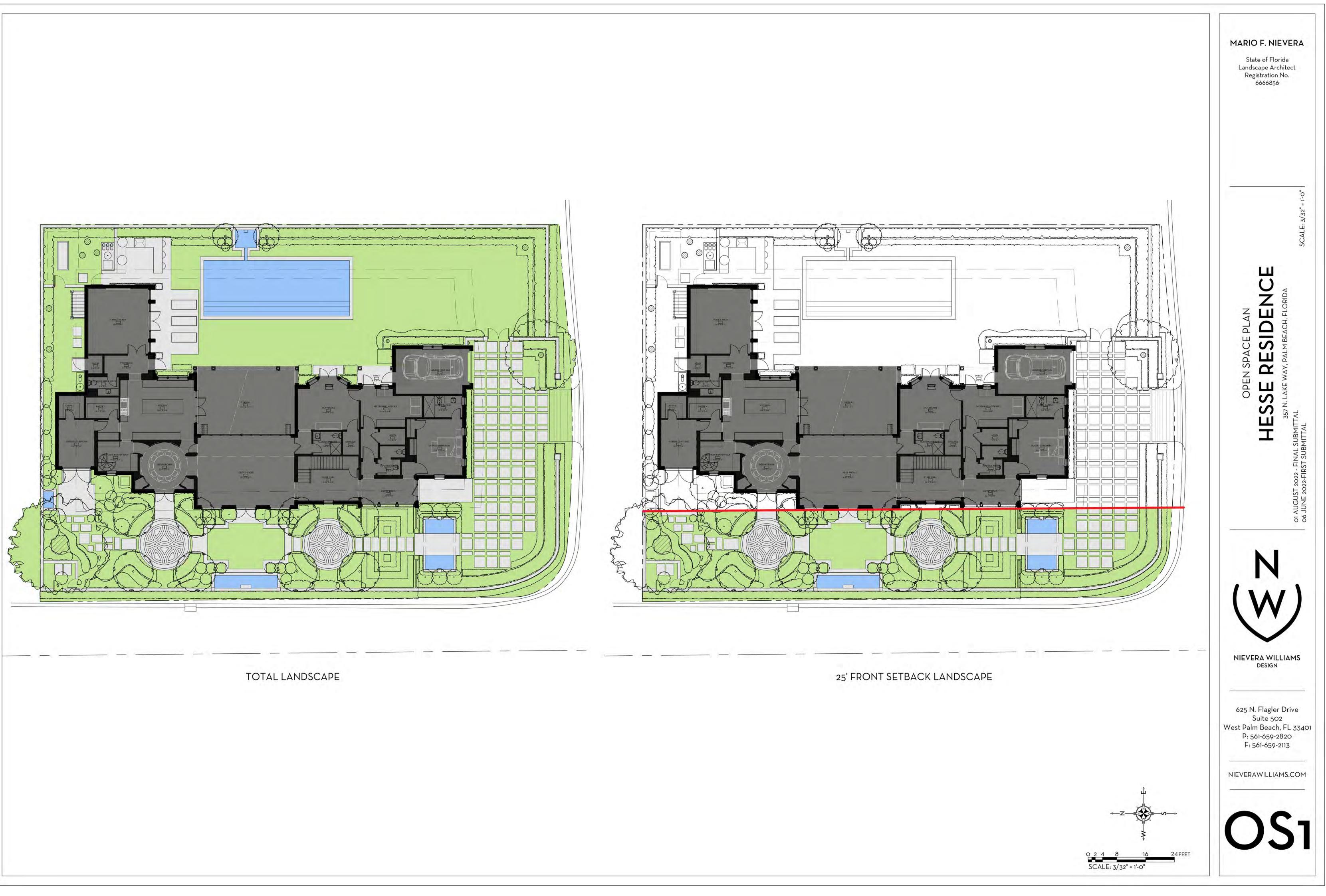
www.townofpalml	
Landscape	Legend

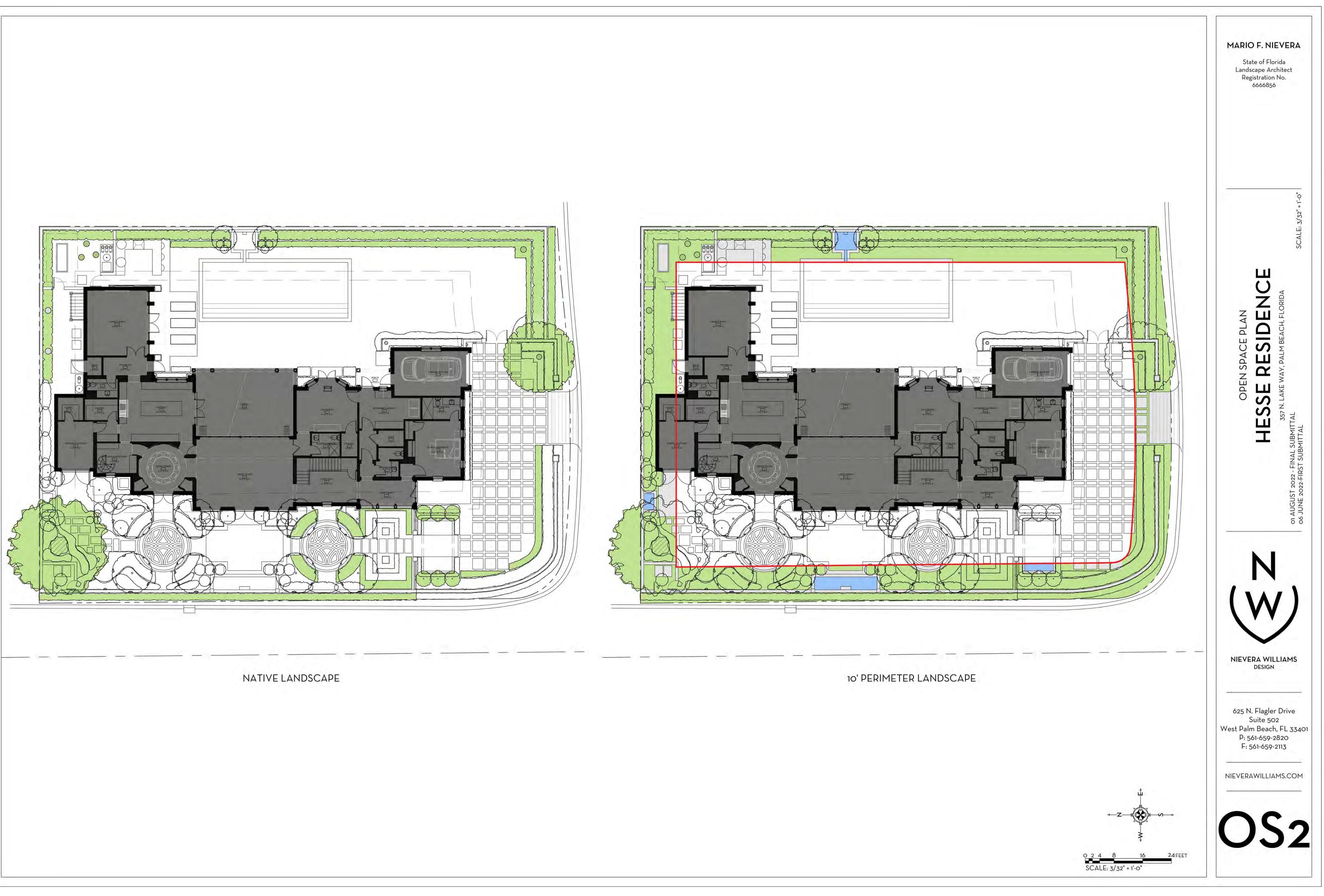
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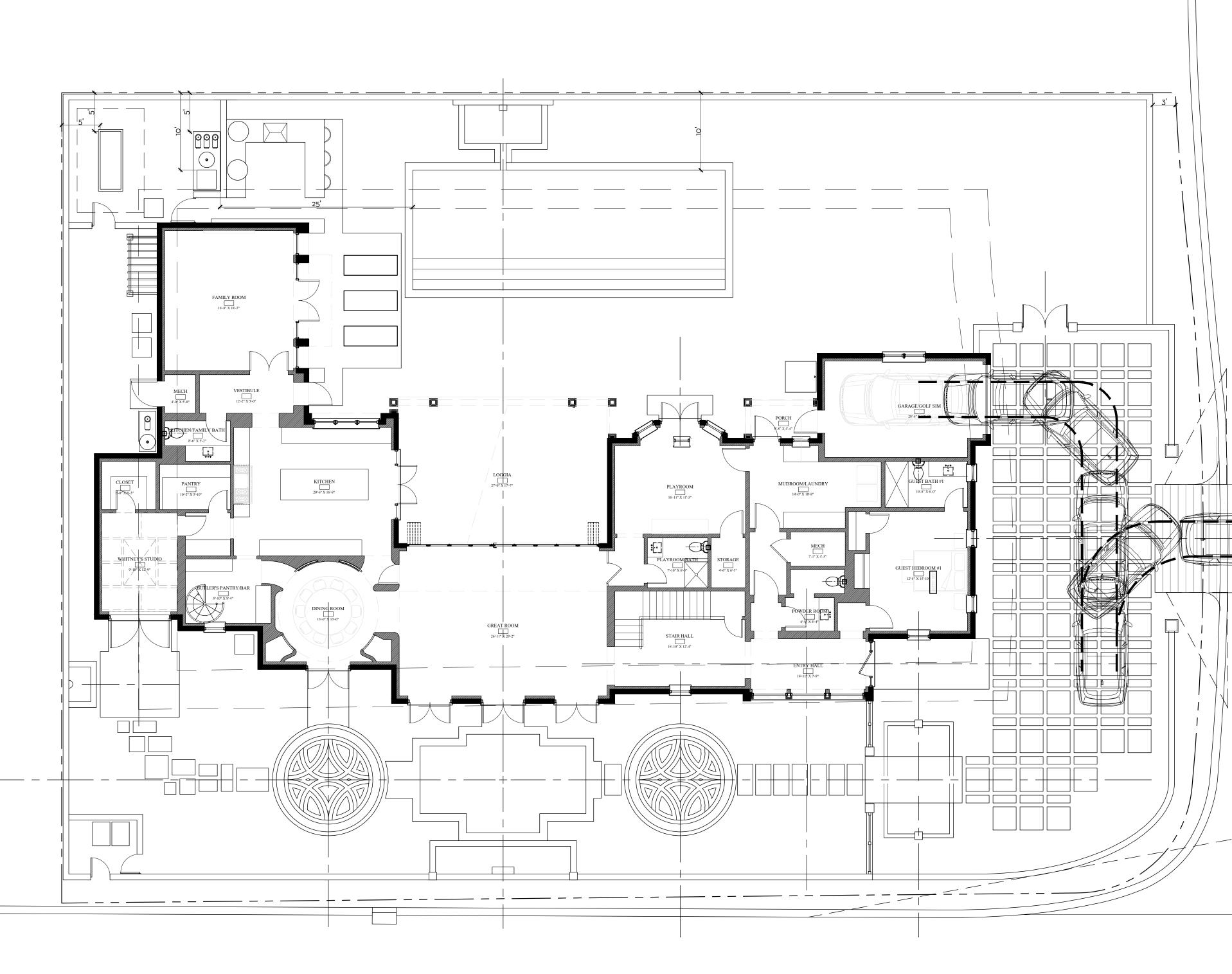
MARIO F. N State of H Landscape A Registrati 66668	-lorida Architect on No.
HESSE DESIDENCE	oi AUGUST 2022 - FINAL SUBMITTAL o6 JUNE 2022-FIRST SUBMITTAL
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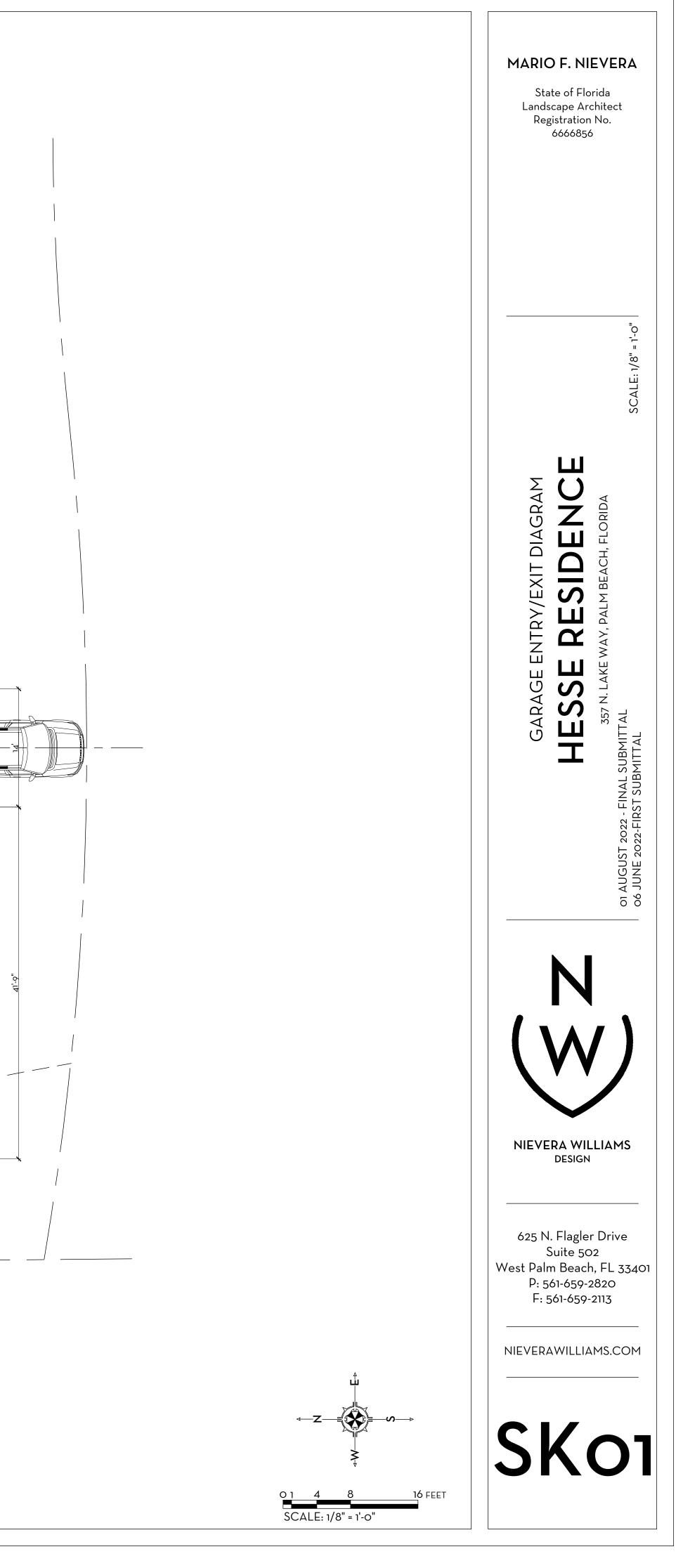


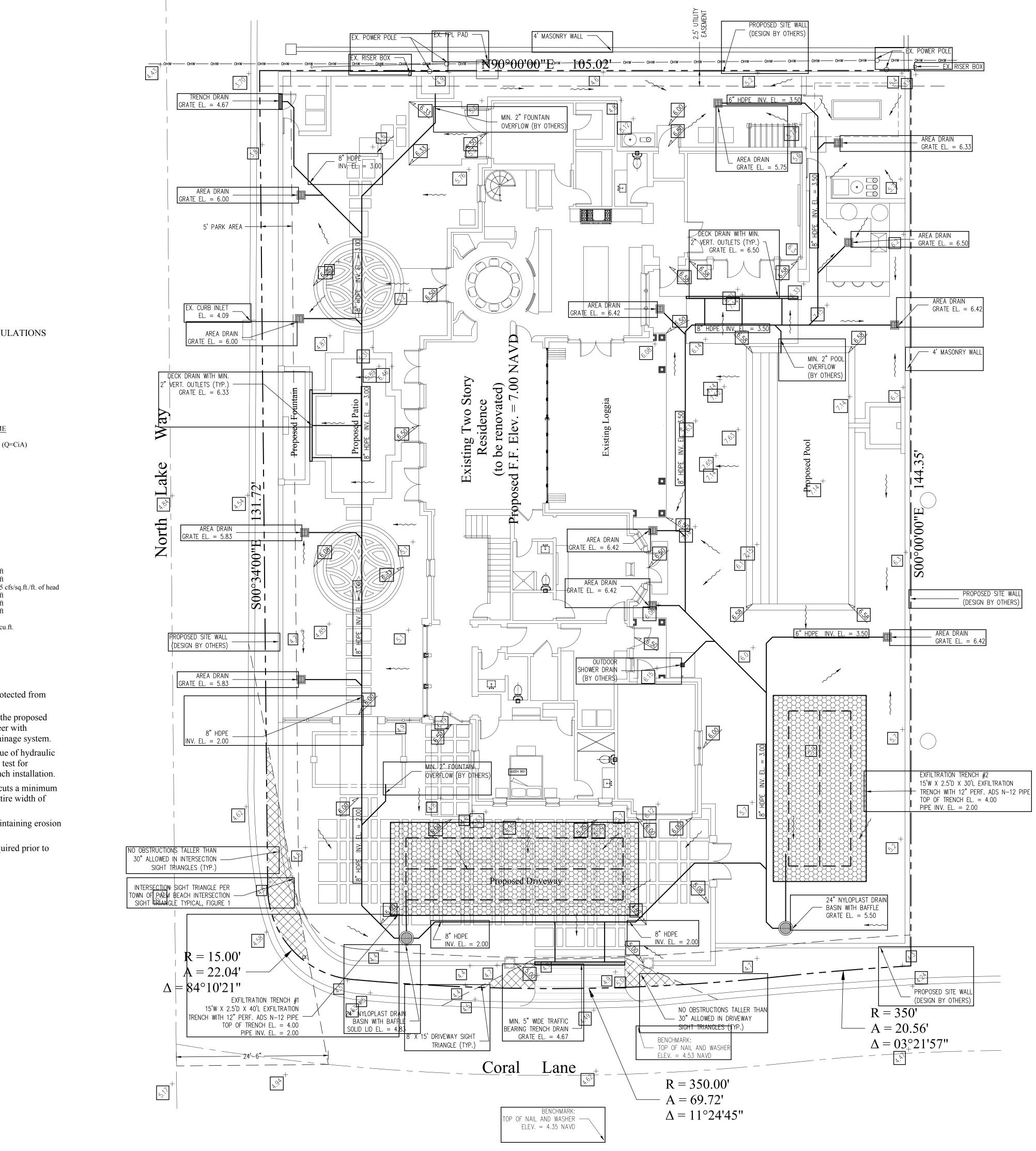


OVERALL R-B SITE CALCULATIONS:SITE AREA =15,269\$Q FT100%MINIMUM LANDSCAPE:
REQUIRED =6,871\$Q FT45%
45.79%PROPOSED =6,992\$Q FT45.79%

FRONT SETBACK SITE CALCULATIONS:25' SETBACK AREA =3,630SQ FT100%MINIMUM LANDSCAPE:REQUIRED =1,452SQ FT40%PROPOSED =2,157SQ FT59.42%

10' PERIMETER SITE CALCULATIONS:PERIMETER AREA =4,559\$Q FT**MINIMUM LANDSCAPE:**
(50% OF 6,871 SF) = 3,435.5 REQUIRED
PROPOSED =3,650\$Q FT





STORMWATER RETENTION CALCULATIONS

A. <u>SITE INFORMATION</u>

Total Property Area = 15,269 sq.ft.

Drainage Area Impervious Surface = 8,298 sq.ft.

Drainage Area Pervious Surface = 6,871 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: $1.0 \times 2 \text{ in/hr} \times 8,398 \text{ sq.ft.} \times 1 \text{ ft./12 in.} = 1,400 \text{ cu.ft.}$

Pervious Runoff Volume:

 $0.2 \times 2 \text{ in/hr} \times 6,871 \text{ sq.ft.} \times 1 \text{ ft./12 in.} = 230 \text{ cu.ft.}$

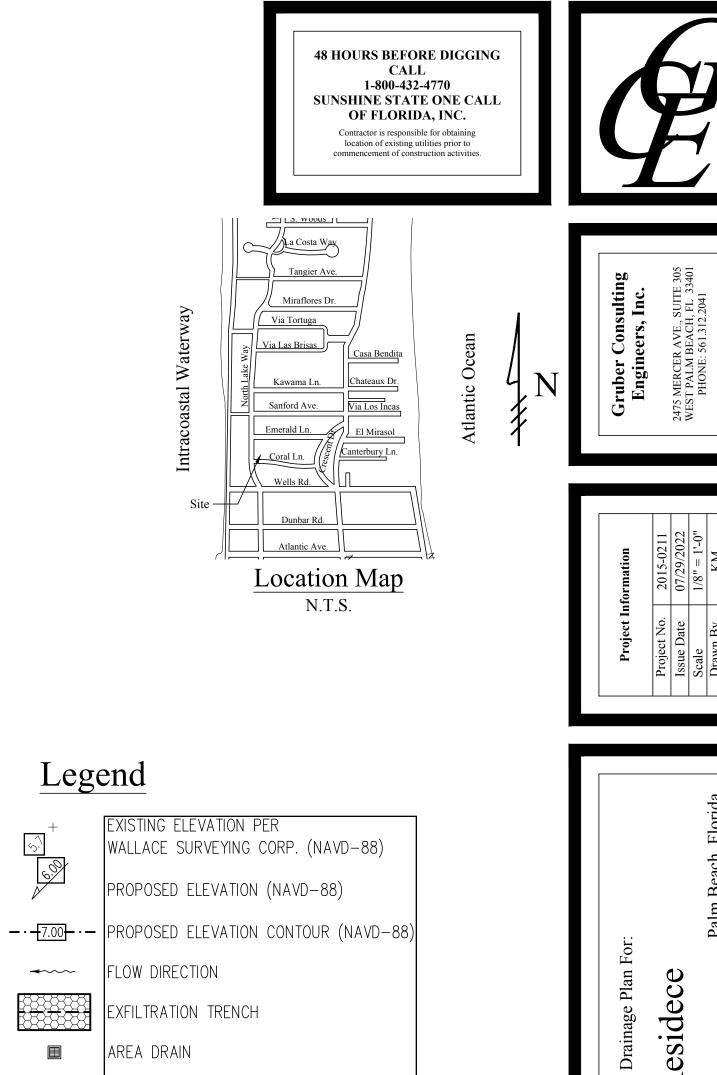
Total Volume to be Retained = 1,630 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L	=	Total Length of Trench Provide	ed =	70 ft
W	=	Trench Width	=	15 ft
Κ	=	Hydraulic Conductivity	=	0.00005 cfs/sq.ft./ft. of head
H2	=	Depth to Water Table	=	3.17 ft
DU	=	Un-Saturated Trench Depth	=	2.50 ft
DS	=	Saturated Trench Depth	=	0.00 ft
V	=	Volume Treated	=	2,050 cu.ft.

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) 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.
- 4) 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.
- 5) Contractor is responsible for installing and maintaining erosion control measures during construction.
- 6) Video inspection of storm drainage system required prior to installation of sod.



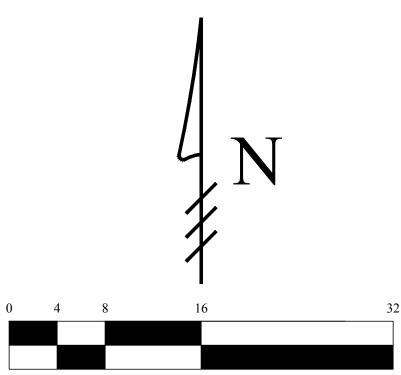
24" NYLOPLAST DRAIN BASIN WITH BAFFLE

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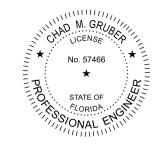
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Scale: 1/8" = 1'-0"

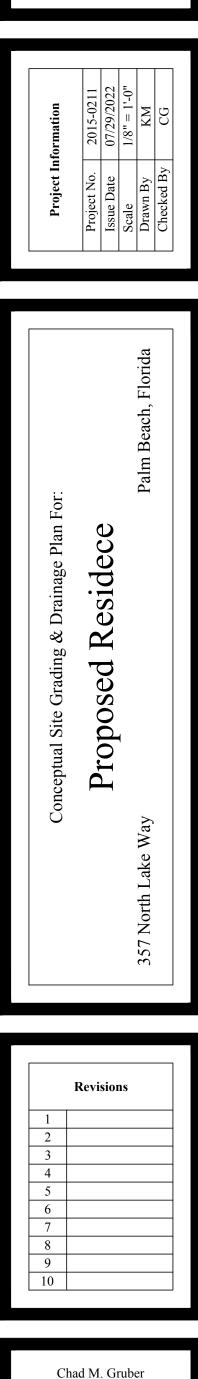


Digitally signed by Chad M Gruber Date: 2022.07.29 16:56:56 -04'00'

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

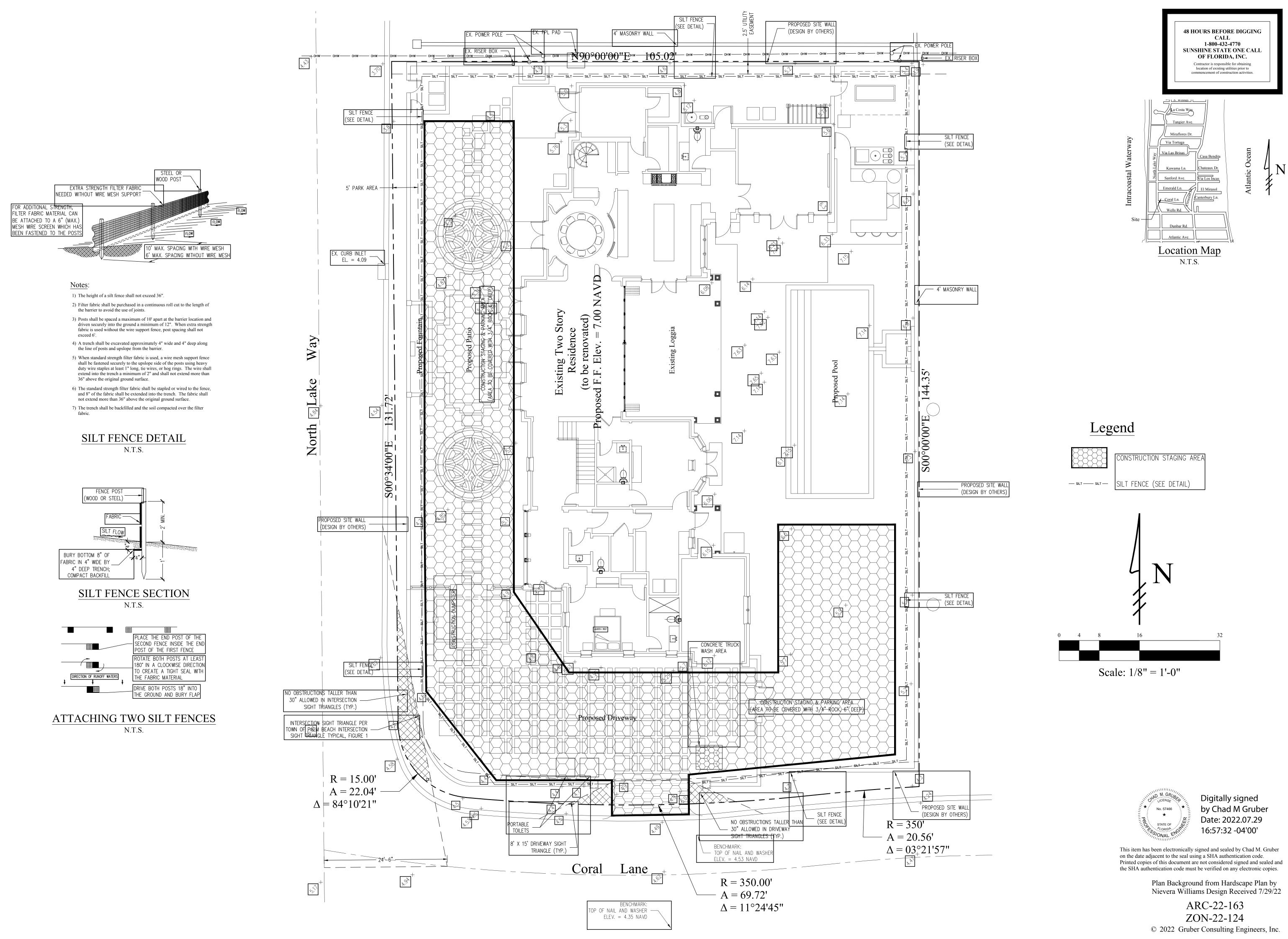
> Plan Background from Hardscape Plan by Nievera Williams Design Received 7/29/22

> ARC-22-163 ZON-22-124 © 2022 Gruber Consulting Engineers, Inc.

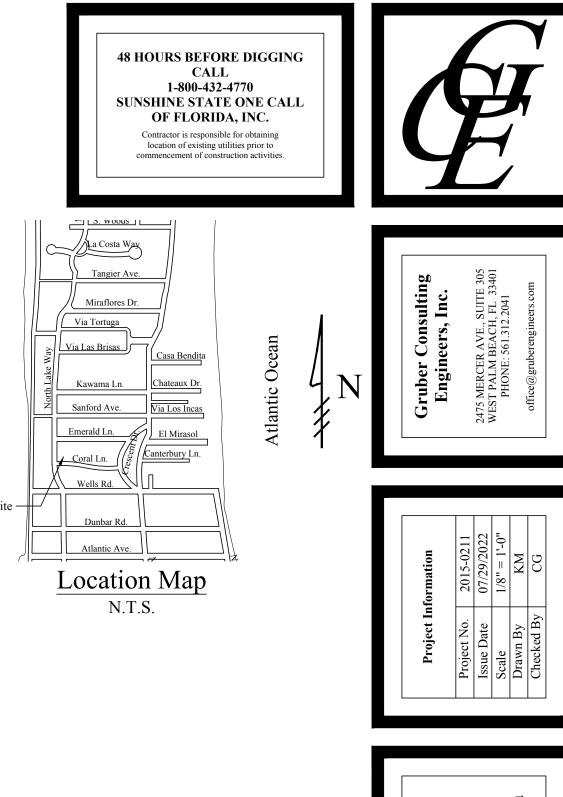


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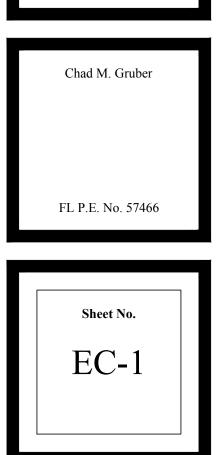






Plan Background from Hardscape Plan by Nievera Williams Design Received 7/29/22

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