



Previously Proposed South Elevation
NTS



Currently Proposed South Elevation
NTS





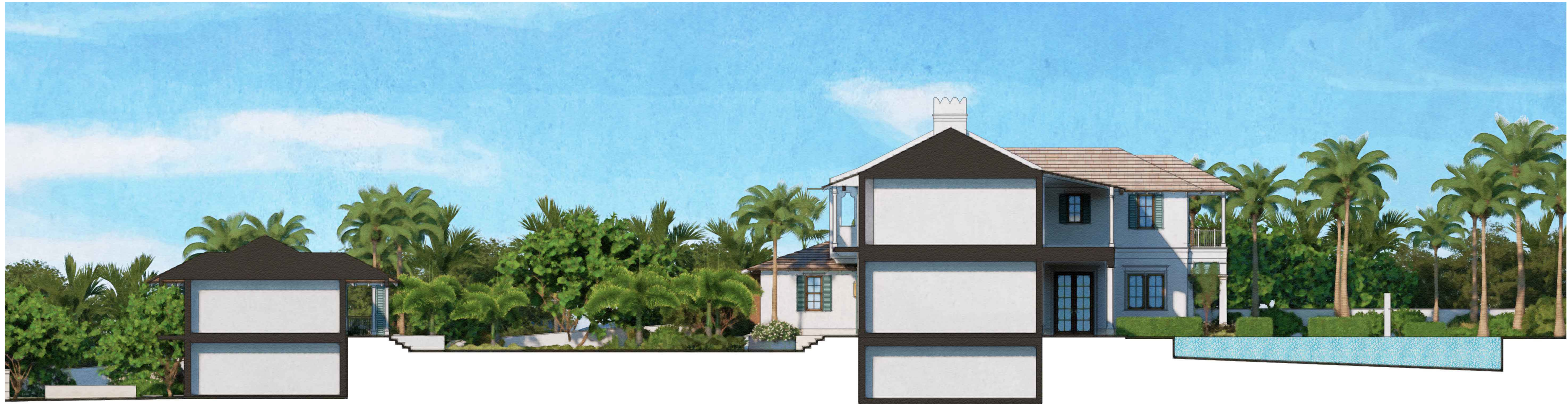
Previously Proposed E—W Section Looking South
NTS



Currently Proposed E—W Section Looking South
NTS



Previously Proposed E—W Section Looking North
NTS



Currently Proposed E—W Section Looking North
NTS



Previously Proposed North Elevation
NTS



Currently Proposed North Elevation
NTS



Currently Proposed East Elevation Guest
NTS

Date: 11.2.22 FINAL SUBMITTAL Drawn: PJW Revised: 5.6.23 REV 01	Job No. 21-120  AR0014785 Roger P. Janssen P.E.	Drawing No. A-2.22 B	PROPOSED RESIDENCE AT: 965 NORTH OCEAN BOULEVARD TOWN OF PALM BEACH ARCOM #. ABC-22-247 ZON-22-000	D J A DAILEY JANSSEN ARCHITECTS 400 CLEMATIS STREET, SUITE 200 WEST PALM BEACH, FLORIDA, 33401 LICENSE #AA-COO1974 TEL: 561-833-4707



Previously Proposed Perspective
NTS



Currently Proposed Perspective
NTS

D J A DAILEY JANSSEN ARCHITECTS
400 CLEMATIS STREET, SUITE 200
WEST PALM BEACH, FLORIDA, 33401
LICENSE #AA-COO1974
TEL: 561-833-4707

PROPOSED RESIDENCE AT:
965 NORTH OCEAN BOULEVARD
TOWN OF PALM BEACH
PALM BEACH COUNTY, FLORIDA
ARCOM #. ABC-22-247 ZON-22-000

Date: 11.2.22 FINAL SUBMITTAL
Drawn: PJ
Revised: 5.6.23 REV 01

Job No.

21-120

AR0014785

Roger P. Janssen

AR-14785

FLORIDA

Professional Seal

Professional Seal

Professional Seal

Professional Seal

Professional Seal

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Previously Proposed Perspective
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Previously Proposed Perspective

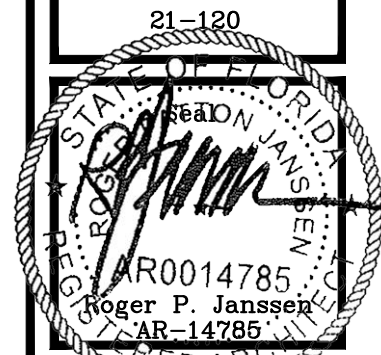
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PALM BEACH COUNTY, FLORIDA
ARCOM #. ABC-22-247 ZON-22-000

Date: 11.2.22 FINAL SUBMITTAL
Drawn: PJ
Reviewed: 3.6.23 REV 01

Job No.
21-120



Drawing No.

A-2.30



Currently Proposed Perspective

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400 CLEMATIS STREET, SUITE 200
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ARCOM #. ABC-22-247 ZON-22-000

Date: 11.2.22 FINAL SUBMITTAL
Drawn: PJ
Revised: 5.6.23 REV 01

Job No.
21-120



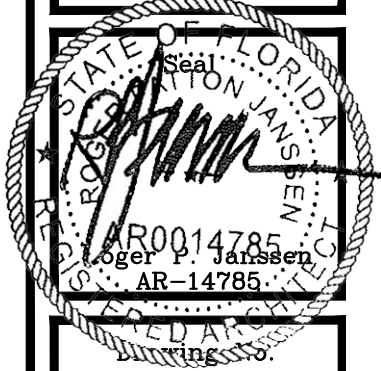
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A-2.30 B

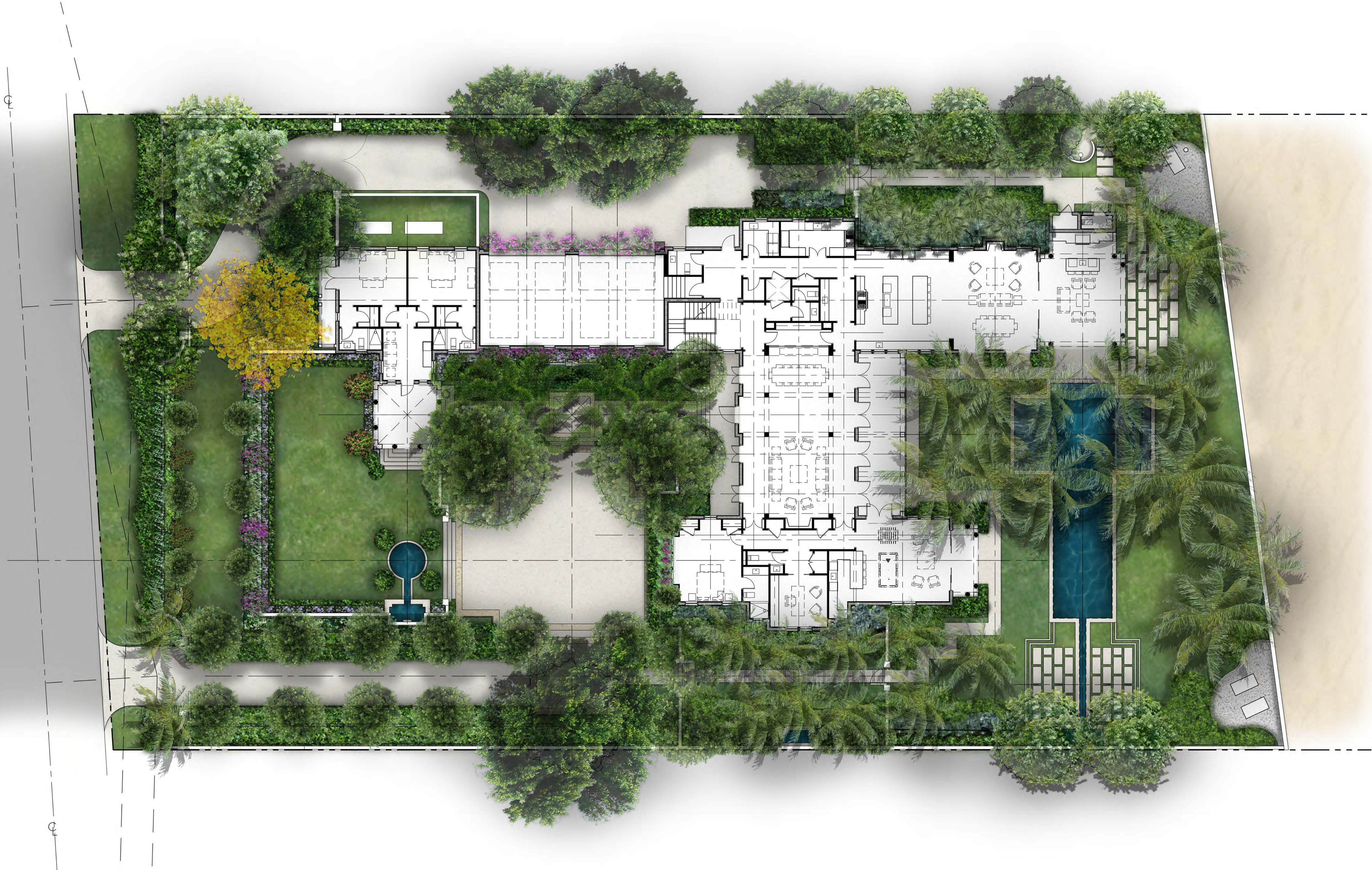


Currently Proposed Perspective

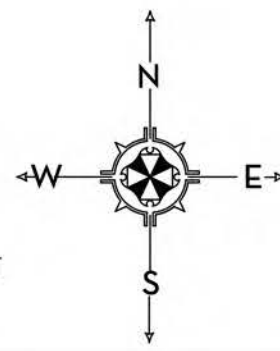
NTS



PREVIOUSLY PROPOSED



0 2 4 8 16 24 FEET
SCALE: 3/32" = 1'-0"



MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

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

OVERALL SITE PLAN
RESIDENCE

965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL



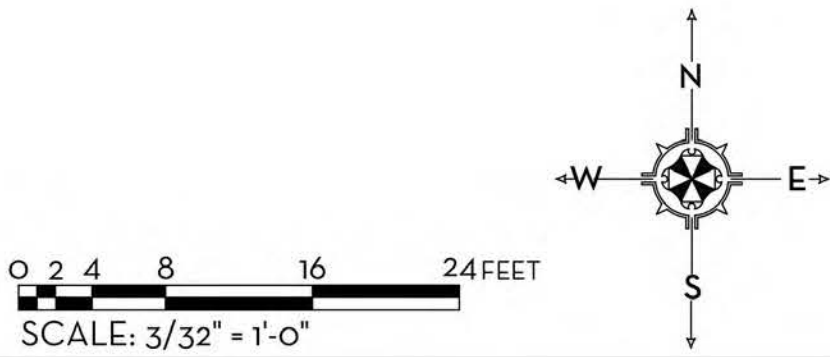
NIEVERA WILLIAMS
DESIGN

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

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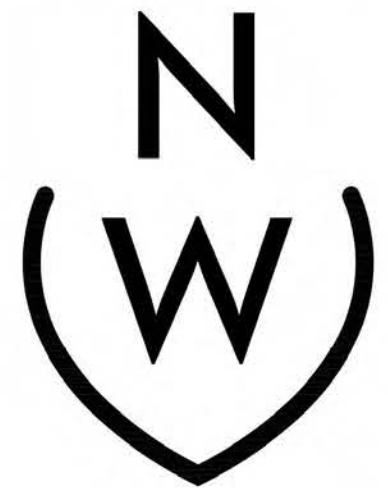
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PROPOSED



MARIO F. NIEVERA
State of Florida
Landscape Architect
Registration No.
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OVERALL SITE PLAN
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL


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



PREVIOUSLY PROPOSED



PROPOSED

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WEST ELEVATION
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

SCALE: 3/8" = 1'-0"



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EL1



PREVIOUSLY PROPOSED



PROPOSED

0 2 4 8 16 24 FEET
SCALE: 3/32" = 1'-0"

MARIO F. NIEVERA

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Registration No.
6666856

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

NORTH ELEVATION
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL



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EL2



PREVIOUSLY PROPOSED



PROPOSED

0 2 4 8 16 24 FEET
SCALE: 3/32" = 1'-0"

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Landscape Architect
Registration No.
6666856

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

EAST ELEVATION
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL



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EL3



PREVIOUSLY PROPOSED



PROPOSED

0 1 2 4 8 12 FEET
SCALE: 3/16" = 1'-0"

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Landscape Architect
Registration No.
6666856

SCALE: 3/16" = 1'-0"

SOUTH ELEVATION
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

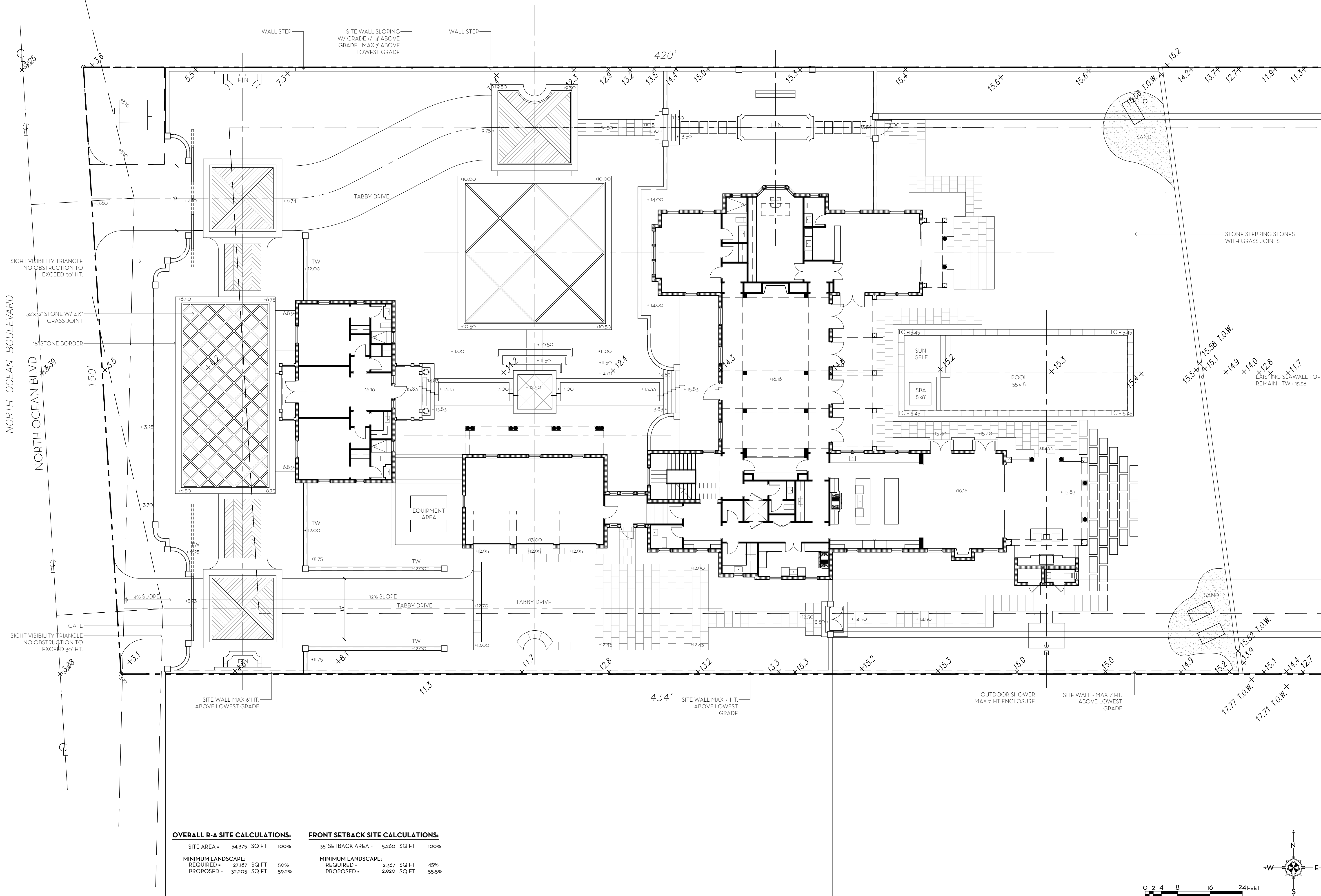


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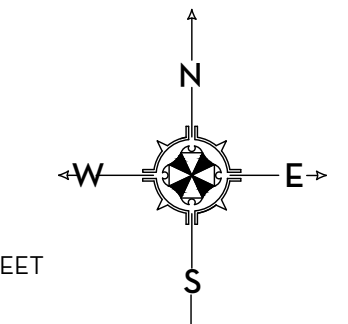
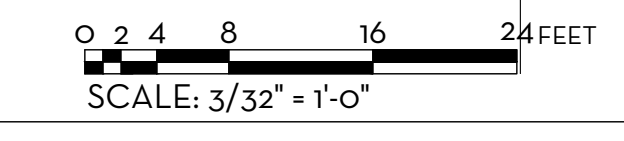
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EL4



OVERALL R-A SITE CALCULATIONS:			FRONT SETBACK SITE CALCULATIONS:		
SITE AREA =	54,375 SQ FT	100%	35' SETBACK AREA =	5,260 SQ FT	100%
MINIMUM LANDSCAPE REQUIRED =	27,187 SQ FT	50%	MINIMUM LANDSCAPE REQUIRED =	2,367 SQ FT	45%
PROPOSED =	32,205 SQ FT	59.2%	PROPOSED =	2,920 SQ FT	55.5%



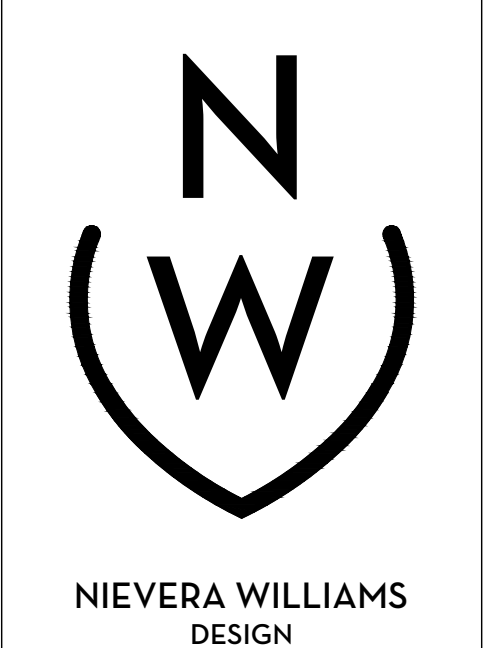
MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

HARDSCAPE PLAN
RESIDENCE

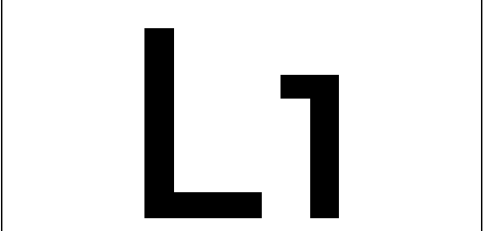
945 NORTH OCEAN BLVD, PALM BEACH, FL.

24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

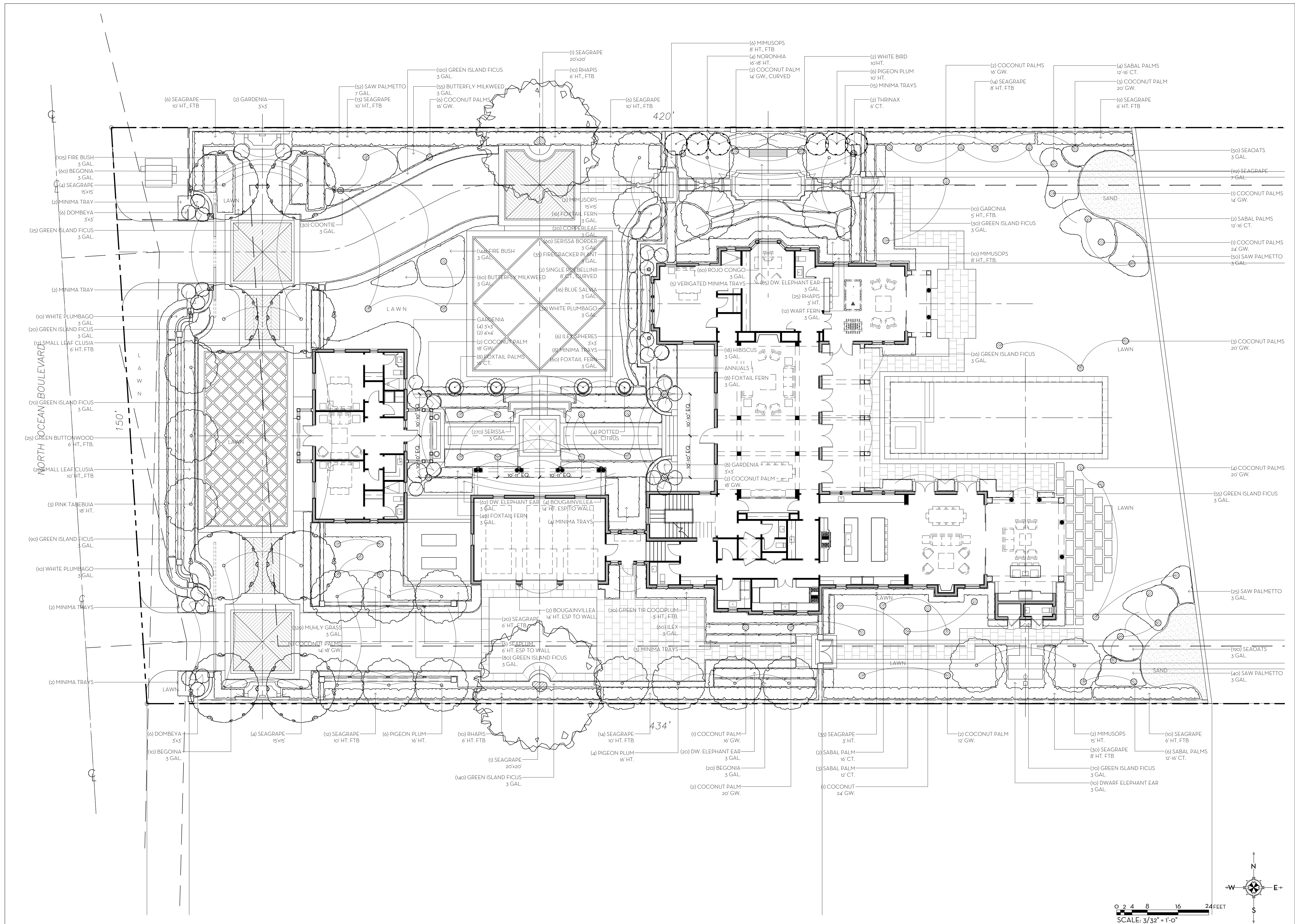


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SCALE: 3/32" = 1'-0"



MARIO F. NIEVERA

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LANDSCAPE PLAN
RESIDENCE
965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

N
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LP1



Town of Palm Beach

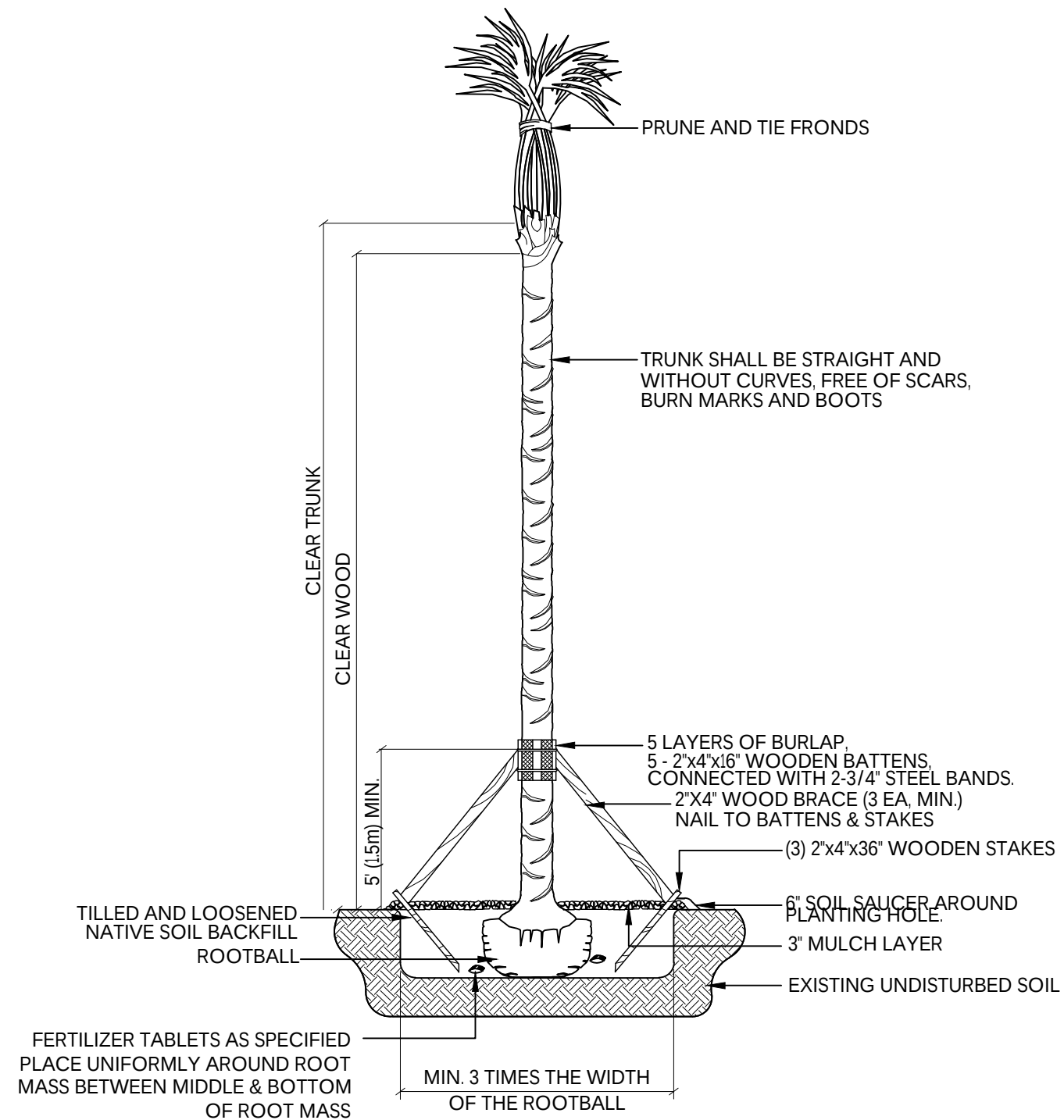
Planning Zoning and Building
360 S County Rd
Palm Beach, FL 33480
www.townofpalmbeach.com

Landscape Legend		
Line #	Property Address:	965 S. Ocean Blvd.
1	Required	Proposed
4	Lot Size (sq ft)	54,375
6	Landscape Open Space (LOS) (Sq Ft and %)	27,187 (50%) 32,205 (59.2%)
7	Perimeter LOS (Sq Ft and %)	N/A N/A
8	Front Yard LOS (Sq Ft and %)	2,367 (45%) 2,920 (55.5%)
9	Native* Trees %	35% 70%
10	Native* Palms %	35% 35%
11	Native* Shrubs %	35% 74%
12	Native* Vines / Ground Cover %	35% 49%

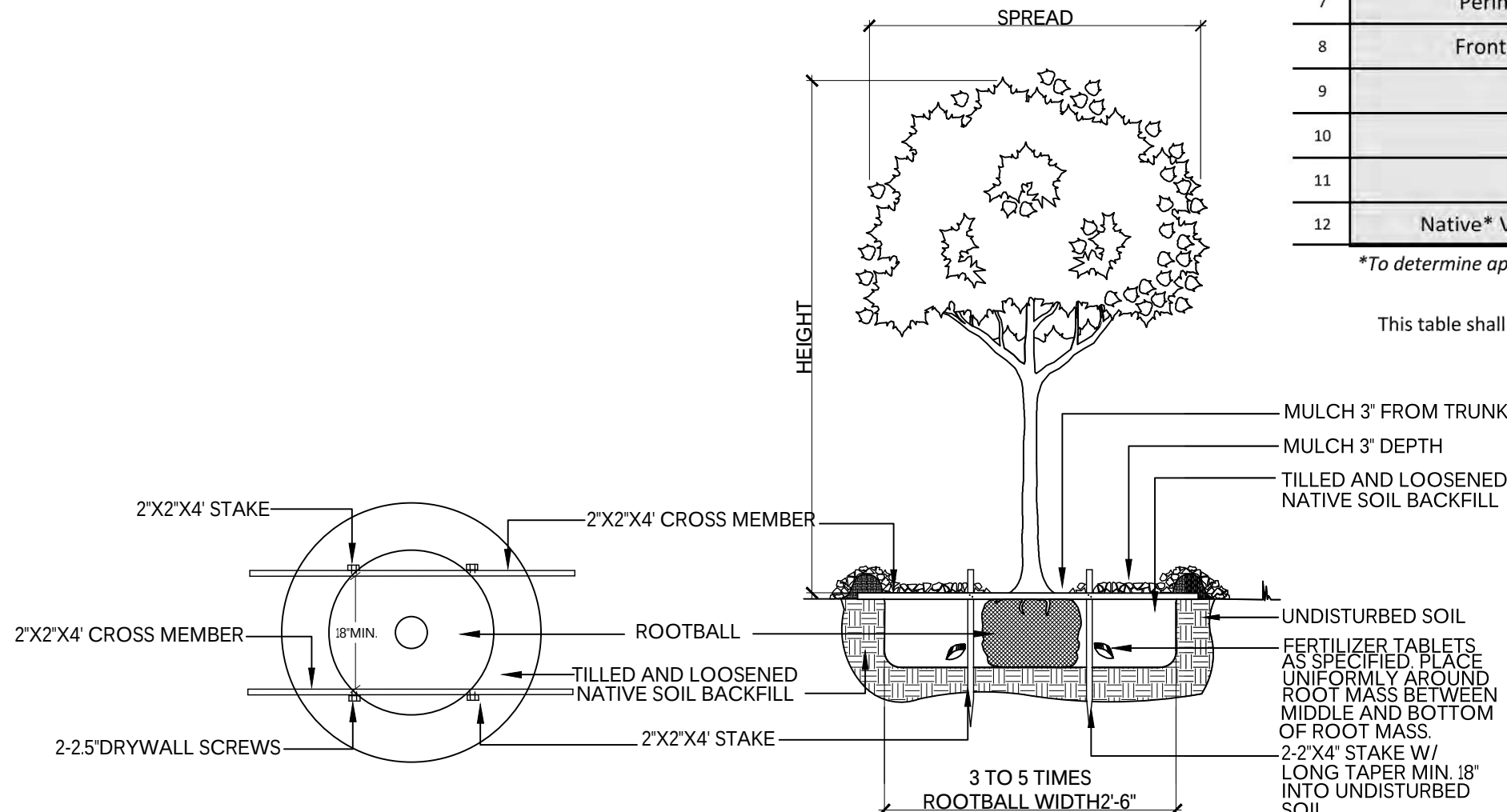
*To determine appropriate native vegetation, the *Institute for Regional Conservation ("IRC")*, *Natives for Your Neighborhood* guide shall be used.

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

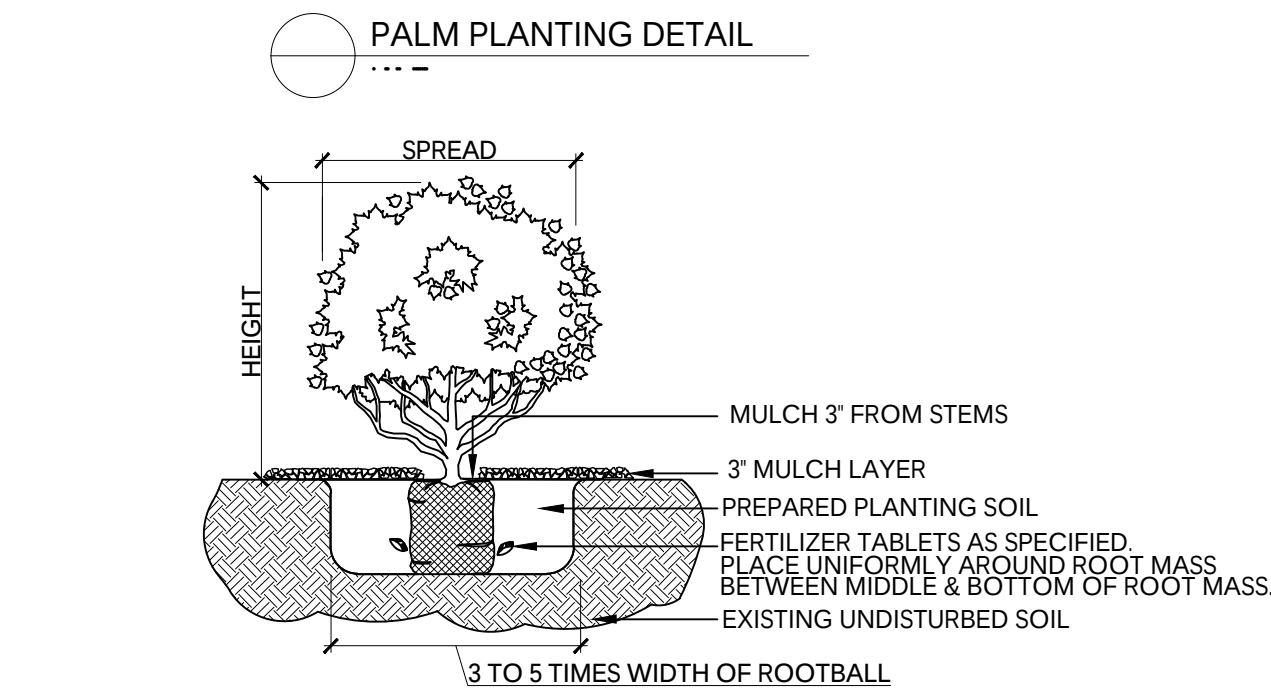
REV BF 20220304



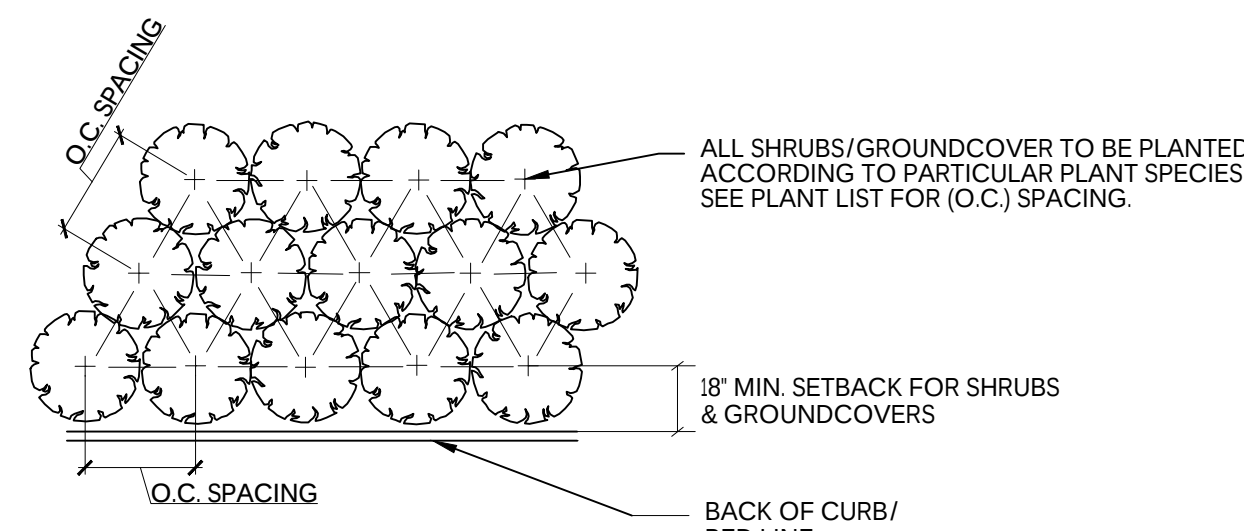
PALM PLANTING DETAIL



TREE PLANTING DETAIL

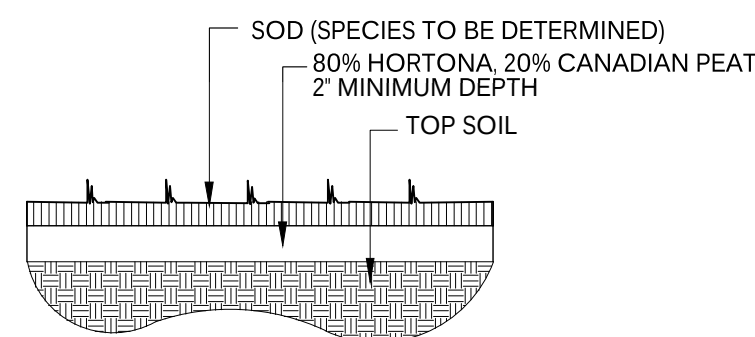


SHRUB & GROUNDCOVER PLANTING DETAIL

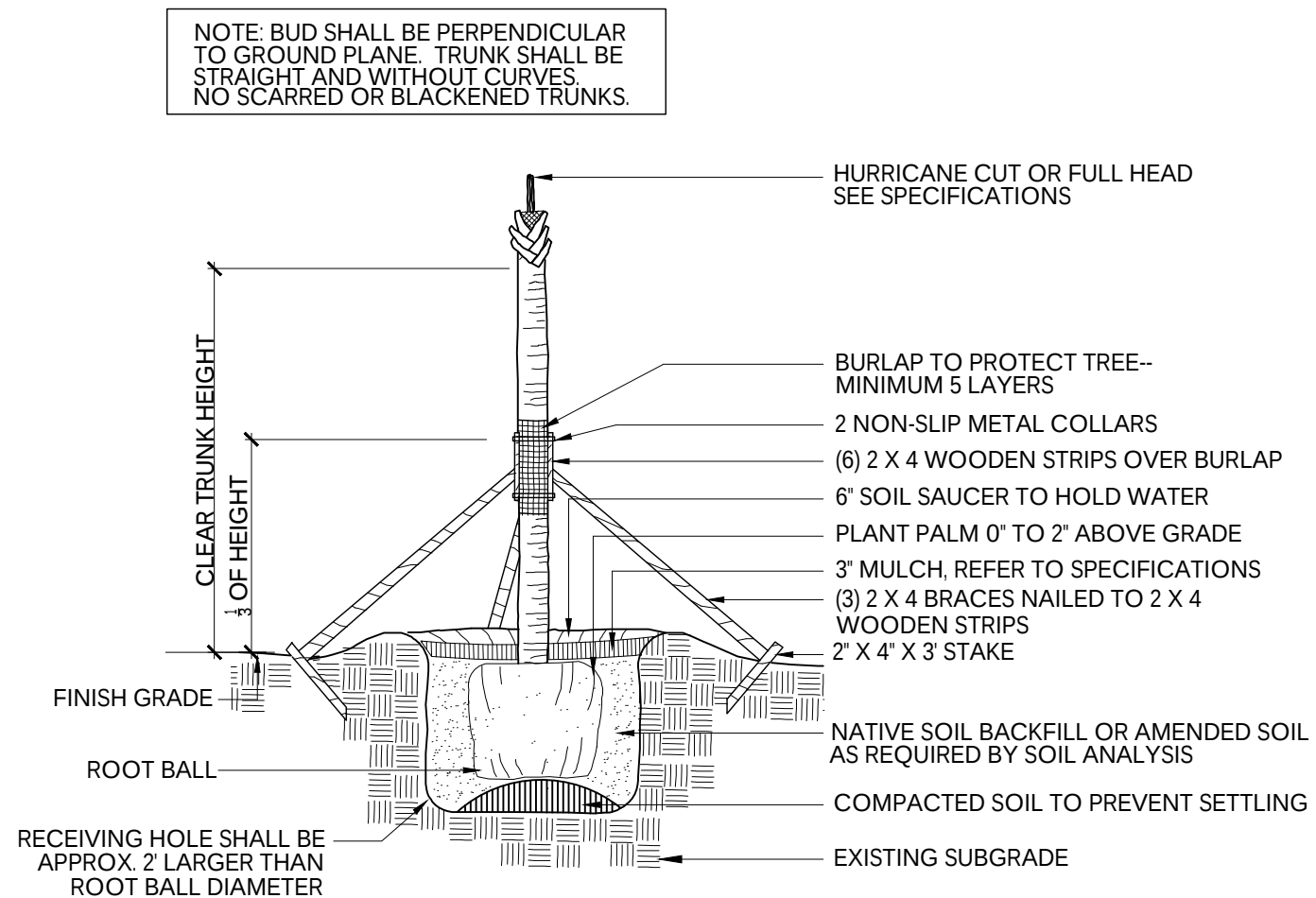


PLANT SPACING DETAIL

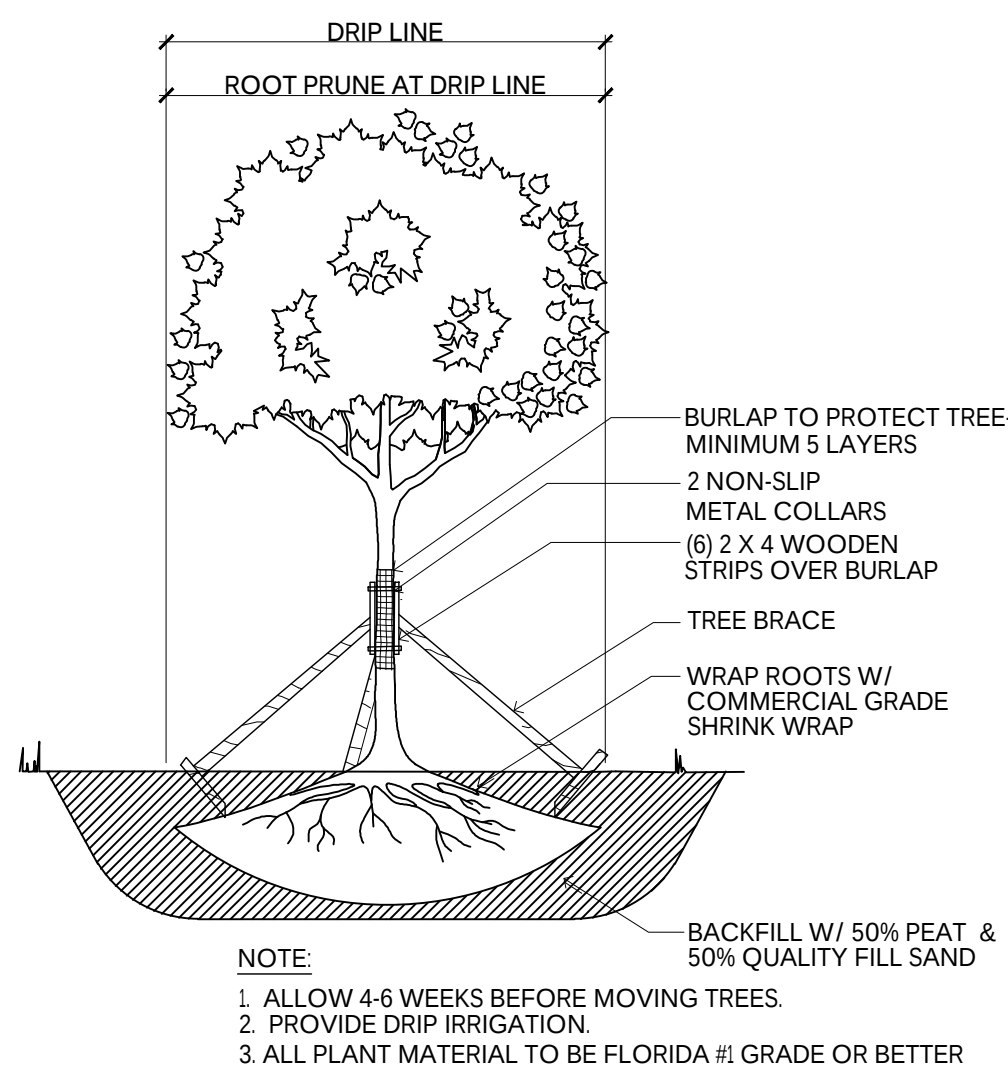
SOD NOTES:
1. ROUGH GRADE PROVIDED BY CONTRACTOR 4'-5" BELOW GRADE
2. RAKE AND REMOVE ALL CONSTRUCTION DEBRIS
3. PRIOR TO LAYING SOD ADD 80% HORTONA AND 20% CANADIAN PEAT. 2" MIN.
4. AFTER LAYING SOD APPLY NECESSARY PESTICIDES AND FUNGICIDES.
5. IRRIGATE REGULARLY. REFER TO IRRIGATION DRAWINGS



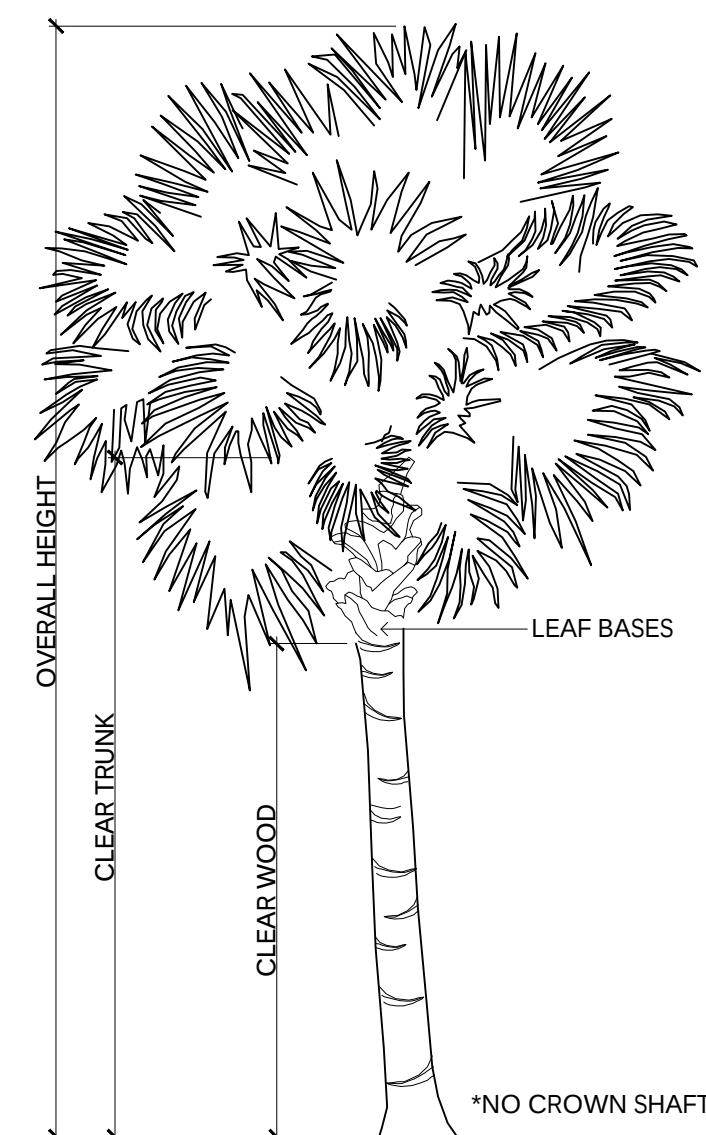
SOD PLANTING DETAIL



PALM TREE PLANTING AND STAKING DETAIL



TREE ROOT PRUNING DETAIL



PALM SPECIFICATION DETAIL

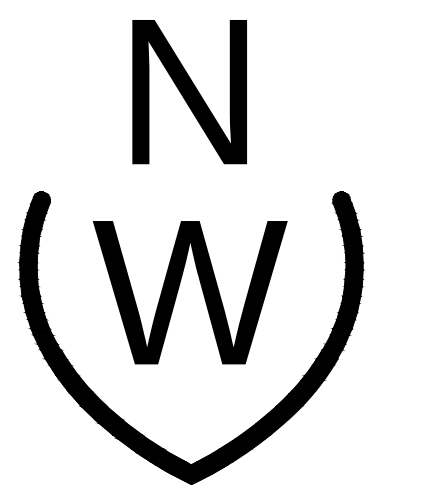
Landscape Material Schedule				
February 28, 2023				
ITEM NO.	COMMON NAME	BOTANICAL NAME	QUANTITY	NATIVE SPECIFICATION
TREES				
	Pigeon Plum	Coccoloba diversifolia	10	✓ 16' HT.
	Pigeon Plum	Coccoloba diversifolia	6	✓ 10' HT.
	Seagrape	Coccoloba uvifera	2	✓ 20'x20'
	Seagrape	Coccoloba uvifera	8	✓ 15'x15'
	Mimusops	Manilkara roxburghiana	2	15' HT.
	Mimusops	Manilkara roxburghiana	2	15'x15'
	Noronia	Noronia emarginata	4	16'-18' HT.
	Pink Tabebuia	Handroanthus gemmiflora	3	18' HT.
			37	70%
PALMS				
	Coconut Palms	Cocos nucifera	2	12' G.W.
	Coconut Palms	Cocos nucifera	5	14'-16' G.W.
	Coconut Palms	Cocos nucifera	1	14' G.W.
	Coconut Palms	Cocos nucifera	2	14' G.W. Curved
	Coconut Palms	Cocos nucifera	4	18' G.W.
	Coconut Palms	Cocos nucifera	9	16' GW
	Coconut Palms	Cocos nucifera	12	20' GW
	Coconut Palms	Cocos nucifera	2	24' GW
	Sabal Palm	Sabal palmetto	2	✓ 16' CT.
	Sabal Palm	Sabal palmetto	3	✓ 12' CT.
	Sabal Palm	Sabal palmetto	12	✓ 12'-16' CT.
	Foxtail Palms	Wodyetia bifurcata	8	16' CT.
	Single Roebelenii	Phoenix reclinata x roebeleni	2	8' CT. Curved
	Thinx	Thrinax radiata	2	✓ 6' CT.
			66	35%
HEDGE / SHRUB				
	Seagrape	Coccoloba uvifera	51	✓ 10' HT., FTB
	Seagrape	Coccoloba uvifera	44	✓ 8' HT., FTB
	Seagrape	Coccoloba uvifera	39	✓ 6' HT., FTB
	Seagrape	Coccoloba uvifera	33	✓ 3' HT FTB
	Seagrape	Coccoloba uvifera	112	✓ 7 GAL.
	Small Leaf Clusia	Clusia Guttiifera	20	10' HT FTB
	Small Leaf Clusia	Clusia Guttiifera	12	6' HT FTB
	Green Buttonwood	Conocarpus erectus	25	✓ 6' HT FTB
	Mimusops	Manilkara roxburghiana	16	8' HT., FTB
	Rhaphis	Rhaphis excelsa	20	6' HT FTB
	Rhaphis	Rhaphis excelsa	25	3' HT FTB
	Gardinia	Podocarpus macrophyllus	10	6' HT FTB
	Citrus in Pot	Citrus	4	6' HT.
	Green Tip Cocoplum	Chrysobalanus icaco	20	✓ 3' HT FTB
	Gardenia Spheres	Gardenia jasminoides	14	3'x3'
	Gardenia Spheres	Gardenia jasminoides	2	4'x4'
	Ilex Spheres	Ilex cassine	6	✓ 3'x3'
	Dombeya Spheres	Dombeya x Seminola	12	3'x3'
	Saw Palmetto	Serenoa repens	52	✓ 7 GAL.
	White Bird of Paradise	Strelitzia nicotai	2	10' HT.
			519	74%
VINES/GROUNDCOVERS				
	Blue Salvia	Salvia azurea	16	3 GAL.
	Coontie	Zamia pumila	30	✓ 3 Gal
	Saw Palmetto	Serenoa repens	115	✓ 3 Gal
	Sea Oats	Uniola paniculata	240	✓ 3 Gal
	Green Island Ficus	Ficus microcarpa	726	3 Gal
	Ilex	Ilex cassine	60	✓ 3 Gal
	Serissa	Serissa japonica	330	✓ 3 Gal
	Fire Bush	Croton lucidus	249	✓ 3 Gal
	Firecracker Plant	Ruellia equisetiformis	36	3 Gal
	Foxtail Fern	Asparagus densiflorus	64	3 Gal
	Butterfly Milkweed	Asclepias tuberosa	115	3 Gal
	Begonia	Begonia odorata 'Alba'	90	3 Gal
	White plumbago	Plumbago auriculata 'Alba'	52	3 Gal
	Copperleaf	Acalypha wilkesiana	20	3 Gal
	Dwarf Elephant Ear	Alocasia 'Amazonica'	167	3 Gal
	Hibiscus	Hibiscus rosa sinensis	18	3 Gal
	Rejo Congo	Philodendron 'Rejo Congo'	60	3 Gal
	Wart Fern	Microsorium scolopendrium	12	3 Gal
	Bougainvillea	Bougainvillea	0	8' HT Columns
	Bougainvillea	Bougainvillea 'Afterglow'	6	14' HT ESP to wall
	Seaplum	COCCOLOBA UVIFERA X DIVER	6	✓ 6' HT. Esp To Wall
	Muhly Grass	Muhlenbergia capillaris	329	✓ 3 Gal
	Minima	Trachelospermum asiaticum	6	Trays
			2,766	49%
SOD				

MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

PLANT LIST AND DETAILS
RESIDENCE

965 NORTH OCEAN BLVD, PALM BEACH, FL.
24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

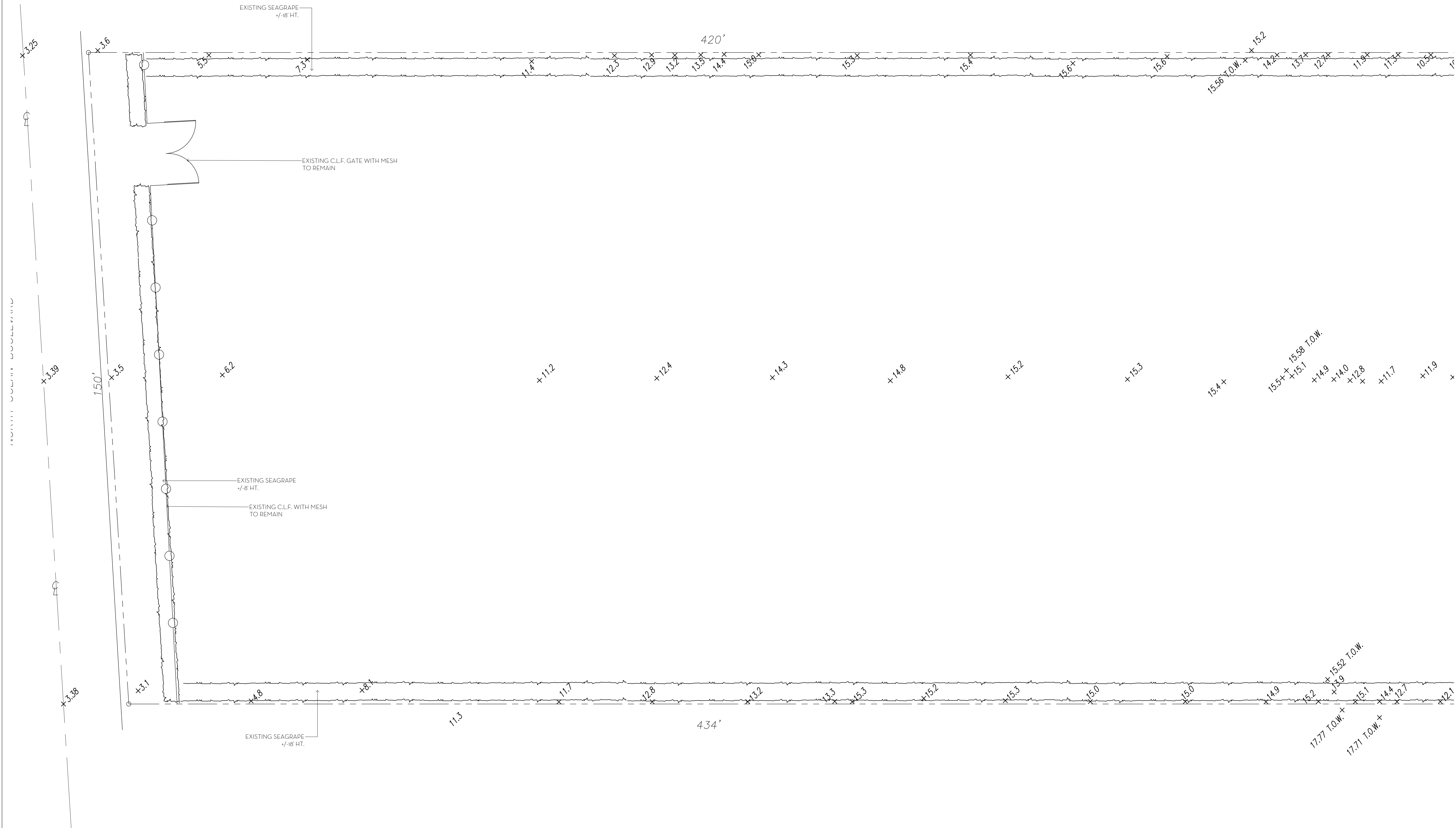


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LP2



MARIO F. NIEVERA

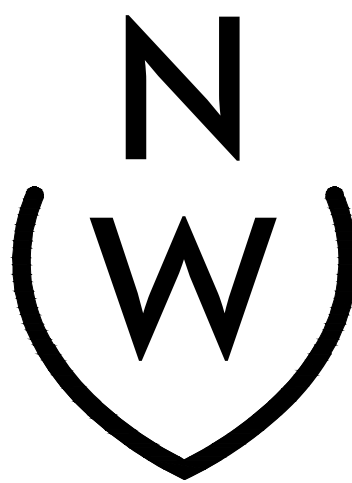
State of Florida
Landscape Architect
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EXISTING CONDITIONS
965 N. OCEAN BLVD.

PALM BEACH, FLORIDA

03 OCTOBER 2022 - FIRST SUBMITTAL

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



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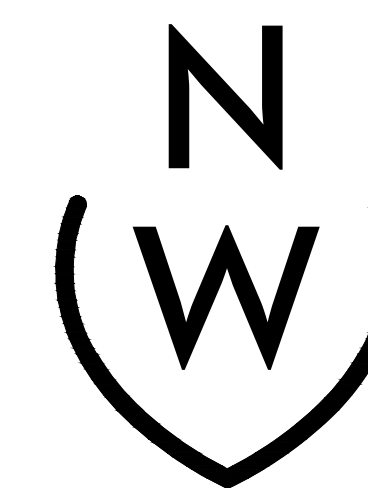
EX

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PALM BEACH, FLORIDA

2023 OCTOBER 2022 - FIRST SUBMITTAL

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

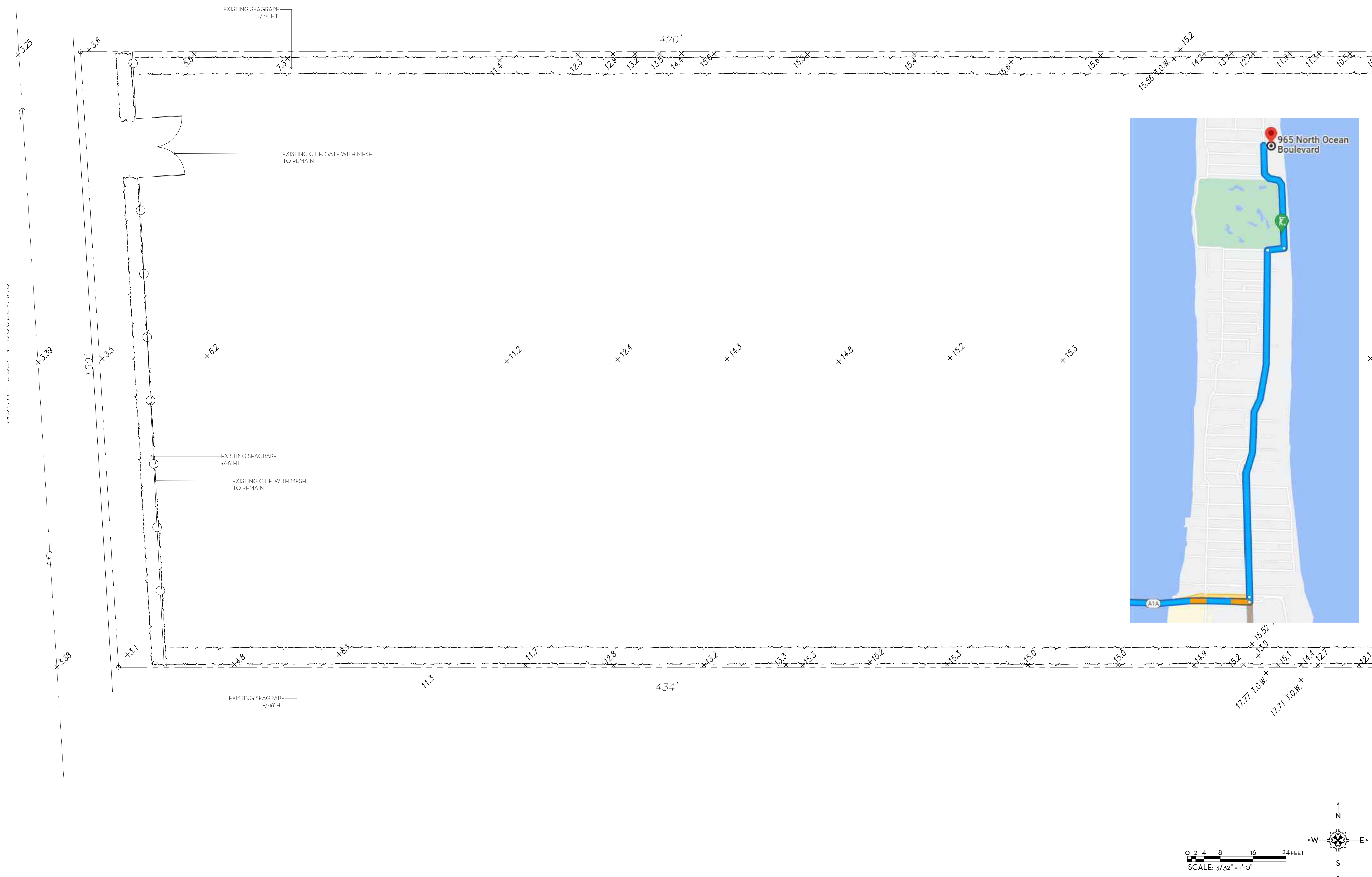


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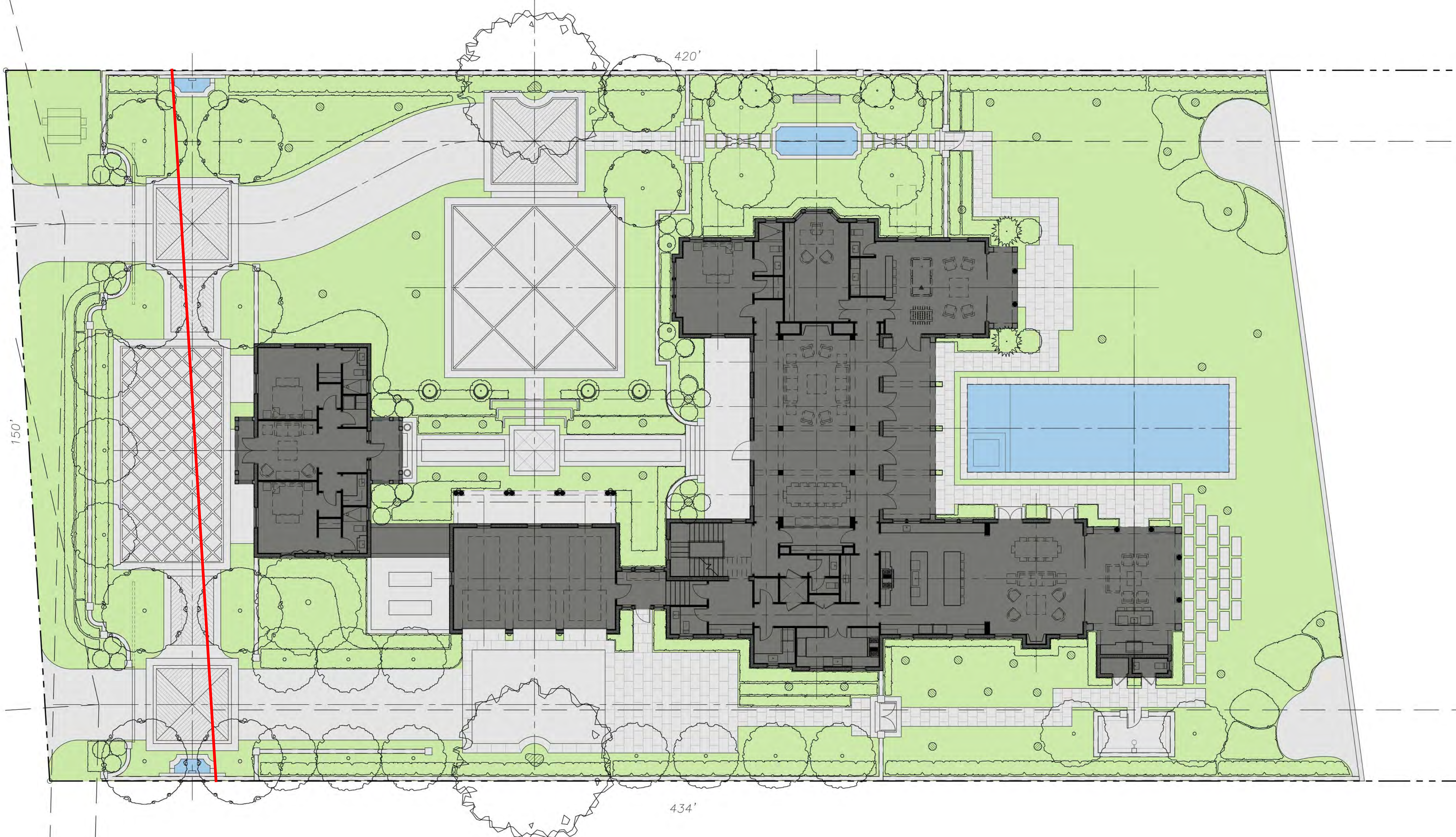
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CSP



NORTH OCEAN BOULEVARD



OVERALL R-A SITE CALCULATIONS:

SITE AREA =	54,375	SQ FT	100%
MINIMUM LANDSCAPE:			
REQUIRED =	27,187	SQ FT	50%
PROPOSED =	32,205	SQ FT	59.2%

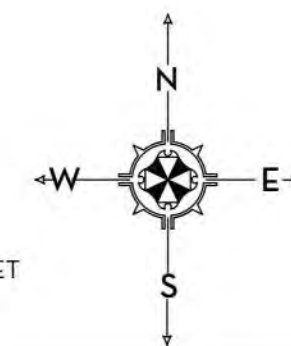
FRONT SETBACK SITE CALCULATIONS:

35' SETBACK AREA =	5,260	SQ FT	100%
MINIMUM LANDSCAPE:			
REQUIRED =	2,367	SQ FT	45%
PROPOSED =	2,920	SQ FT	55.5%

OPEN SPACE LEGEND

- BUILDING
- HARDSCAPE
- WATER
- LANDSCAPE

0 2 4 8 16 24 FEET
SCALE: 3/32" = 1'-0"



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OVERALL LANDSCAPE OPEN SPACE GRAPHIC

RESIDENCE

965 NORTH OCEAN BLVD, PALM BEACH, FL

24 OCTOBER 2022-FINAL SUBMITTAL
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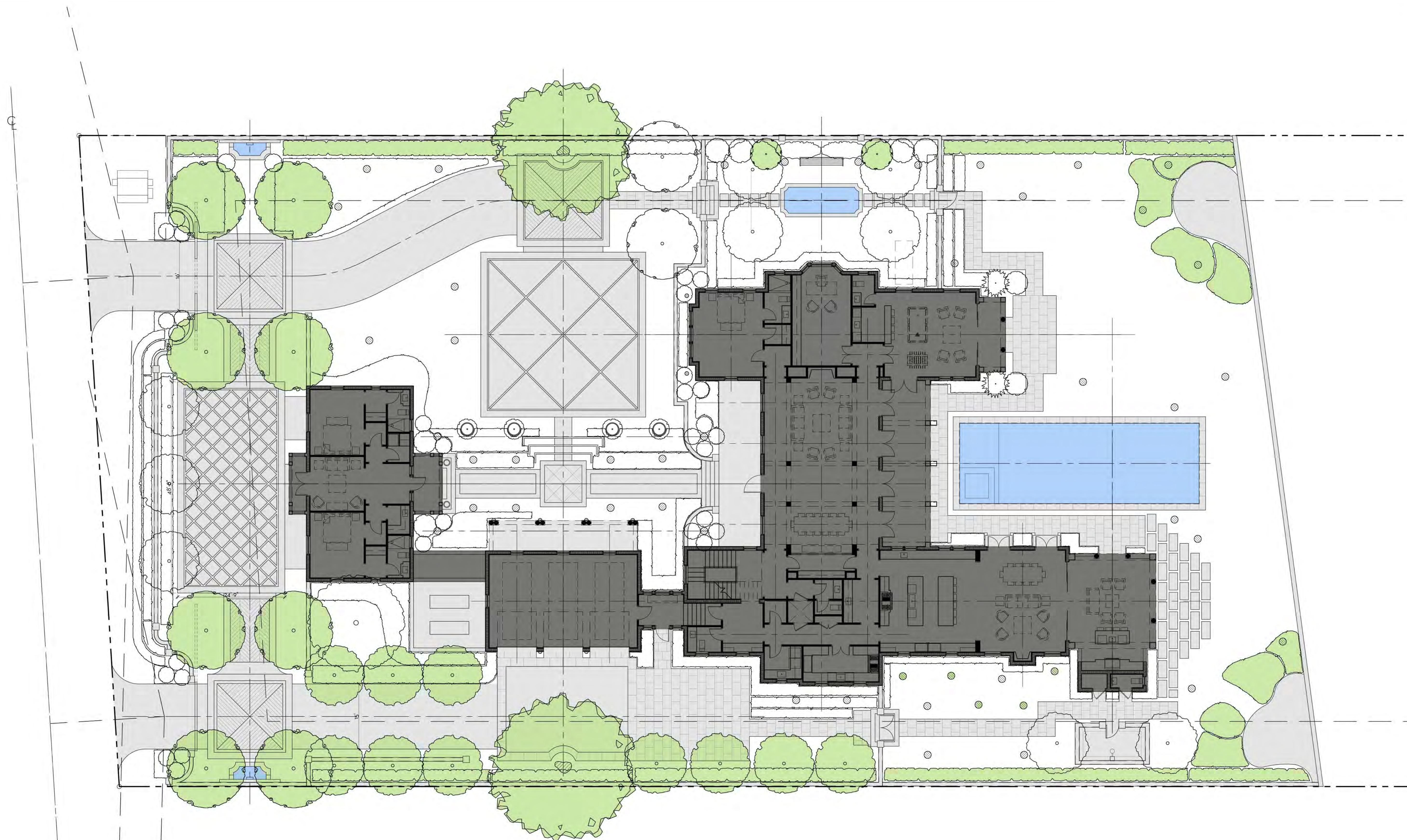


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OS1



OVERALL R-A SITE CALCULATIONS:

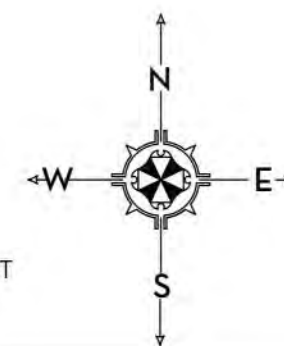
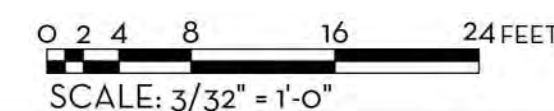
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MINIMUM LANDSCAPE:			
REQUIRED =	27,187	SQ FT	50%
PROPOSED =	32,205	SQ FT	59.2%

FRONT SETBACK SITE CALCULATIONS:

35' SETBACK AREA =	5,260	SQ FT	100%
MINIMUM LANDSCAPE:			
REQUIRED =	2,367	SQ FT	45%
PROPOSED =	2,920	SQ FT	55.5%

OPEN SPACE LEGEND

- BUILDING
- HARDSCAPE
- WATER
- LANDSCAPE



MARIO F. NIEVERA

State of Florida
Landscape Architect
Registration No.
6666856

NATIVE LANDSCAPE OPEN SPACE GRAPHIC

RESIDENCE

965 NORTH OCEAN BLVD, PALM BEACH, FL.

24 OCTOBER 2022-FINAL SUBMITTAL
03 OCTOBER 2022-FIRST SUBMITTAL

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

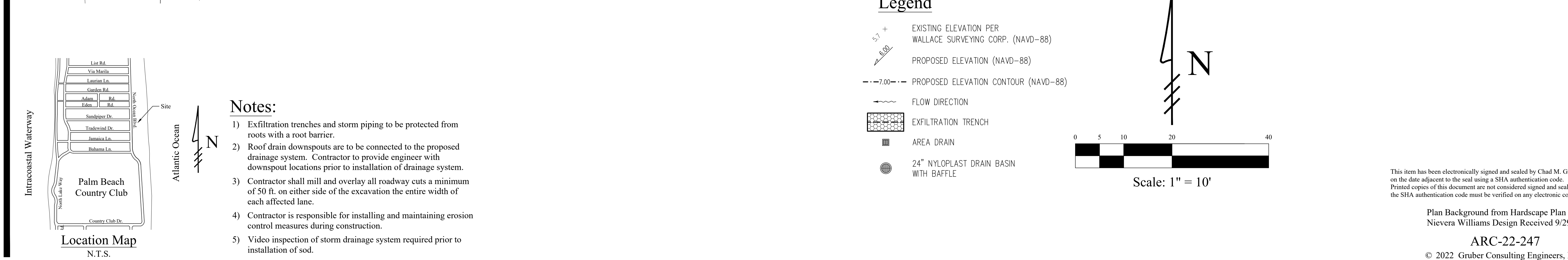


NIEVERA WILLIAMS
DESIGN

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

NIEVERAWILLIAMS.COM

OS2



Sheet No.

C-1

ARC-22-247
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General Notes & Specifications:

- 1) The contractor shall check all drawings furnished immediately upon their receipt and shall promptly notify the engineer in writing of any discrepancies. Anything shown on the drawings and not mentioned in the specifications or mentioned in the specifications and not shown on the drawings, shall be of like effect as if shown or mentioned in both.
- 2) Figure marked on drawings shall, in general, be followed in preference to scale measurements. Large scale drawings shall in general, govern small scale drawings. The contractor shall compare all drawings and verify the figures before laying out the work and will be responsible for any errors which might have been avoided thereby. When dimensions on the drawings are affected by the type of equipment selected, the contractor shall adjust such dimensions as conditions may require.
- 3) If the contractor, in the course of the work, finds any discrepancy between the drawings and the physical conditions of the locality, or any error or omissions in the drawings or in the layout as given by points and instructions, or discovers unforeseen underground or above ground conditions or any other unexpected conditions requiring additional work by the contractor, it shall be his duty to immediately inform the engineer, in writing, and the engineer shall promptly check the accuracy of the information. Any work done after such discovery, until any necessary changes are authorized, will be done at the contractor's risk.
- 4) If any part of the contractor's work depends, for proper execution or results, upon the work of any other contractor, the contractor shall inspect and measure work already in place and shall at once report to the engineer any discrepancies between the executed work and the drawings.
- 5) The engineer or his authorized representative shall have free access to the work of the contractor at any time for the purpose of inspection. The contractor shall furnish the facilities to determine, as best as can reasonably be done, the nature and quality of the work performed. Such assistance of the contractor shall, if necessary, include the uncovering, testing or removal of portions of the finished work.
- 6) All debris shall be removed from the area and legally disposed. Debris may be burned upon obtaining proper burning permit but any unburned remains are to be disposed of as directed by the owner or his representatives.
- 7) The contractor shall be responsible for protecting all buildings, structures, and utilities that are underground, above ground, or on the surface against construction operations that may be hazardous to said facilities and shall hold and save the owner harmless against all claims of damage. The contractor shall, by repair or replacement, return to equal or better condition all pavement, sidewalk, lawns, utilities and other items damaged by this construction activity.
- 8) The contractor shall be responsible for obtaining all required tests and shall submit reports by an independent testing laboratory approved by the engineer. Should any test fail to meet specification as shown herein, the contractor shall, at his expense, correct all deficient work and submit laboratory test results showing compliance with these specifications.
- 9) All work shall be performed in a workman like manner and shall conform with all applicable City, County, State and Federal regulations and/or Codes. The contractor shall obtain all permits and licenses required to begin work.
- 10) The contractor shall visually examine the construction site to determine the amount of clearing and existing facilities to be replaced, removed and/or relocated which may be required in order to complete the work.
- 11) The contractor shall give the engineer 48 hours notice prior to requesting required inspections and shall supply all equipment necessary to properly test and inspect the completed work.
- 12) The contractor shall guarantee all work and materials for a period of one year from the date of project acceptance, during which all faulty construction and/or materials shall be corrected at the contractor's expense
- 13) All work shall be accomplished in a safe and workmanlike manner. The contractor shall comply with all applicable laws and regulations of any public and/or private body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss and shall erect and maintain all necessary safeguards for such safety and protection. The responsibility for project safety rests solely and specifically with the contractor. Local agencies and their employees and agents are specifically indemnified and held harmless from any actions of the contractor relating to the safety procedures implemented during construction and from any claims brought by any persons regarding safety, personal injury or property damage.
- 14) Minimum Construction Inspection Checkpoints: 1) Prior to any major deviation from the approved plans 2) Prior to backfilling of any trenches containing hydraulic conduits so that jointing may be mutually approved 3) Upon completion of subgrade compacting 4) At the time of delivery of base material 5) Upon completion of the base and prior to priming 6) Immediately prior to and upon the first and second applications of the plant mixed wearing course 7) Upon completion of construction, a final inspection will be made with project representative
- 15) All unsuitable material such as muck, marl and debris shall be removed from the limits of construction and legally disposed. At the engineer's direction, muck may be stockpiled on the site at designated locations for use in landscaping.
- 16) All material and equipment to be furnished and/or installed by the contractor for this project shall be guaranteed for a period of one year from the date of final acceptance thereof, against defective materials, design and workmanship. Upon receipt of notice from the owner of failure of any part of the guaranteed equipment or materials during the guarantee period, the affected part, parts or materials shall be replaced promptly with new parts or materials by the contractor at no expense to the owner. In the event the contractor fails to make the necessary replacement or repairs within seven (7) days after notification by the owner, the owner may accomplish the work at the expense of the contractor.
- 17) The contractor shall complete "as-built" information relative to pipe lengths, materials and any deviation from plans and provide a copy of such to the owner and engineer for final acceptance of the contractor's work.

STORMWATER RETENTION CALCULATIONS

Basin A

A. SITE INFORMATION

Total Property Area = 40,652 sq.ft.

Basin A Area = 16,744 sq.ft.

Drainage Area Impervious Surface = 11,761 sq.ft.

Drainage Area Pervious Surface = 4,983 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 11,761 sq.ft. x 1 ft./12 in. = 1,961 cu.ft.

Pervious Runoff Volume:

0.2 x 2 in/hr x 4,983 sq.ft. x 1 ft./12 in. = 167 cu.ft.

Total Volume to be Retained = 2,128 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 40 ft

W = Trench Width = 24 ft

K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head

H2 = Depth to Water Table = 6.00 ft

DU = Un-Saturated Trench Depth = 3.00 ft

DS = Saturated Trench Depth = 0.00 ft

V = Volume Treated = 2,694 cu.ft.

STORMWATER RETENTION CALCULATIONS

Basin B

A. SITE INFORMATION

Basin B Area = 7,811 sq.ft.

Drainage Area Impervious Surface = 5,143 sq.ft.

Drainage Area Pervious Surface = 2,688 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 5,143 sq.ft. x 1 ft./12 in. = 858 cu.ft.

Pervious Runoff Volume:

0.2 x 2 in/hr x 2,688 sq.ft. x 1 ft./12 in. = 90 cu.ft.

Total Volume to be Retained = 948 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 60 ft

W = Trench Width = 6 ft

K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head

H2 = Depth to Water Table = 6.00 ft

DU = Un-Saturated Trench Depth = 3.00 ft

DS = Saturated Trench Depth = 0.00 ft

V = Volume Treated = 1,231 cu.ft.

STORMWATER RETENTION CALCULATIONS

Basin C

A. SITE INFORMATION

Basin C Area = 11,575 sq.ft.

Drainage Area Impervious Surface = 3,297 sq.ft.

Drainage Area Pervious Surface = 8,278 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 3,297 sq.ft. x 1 ft./12 in. = 550 cu.ft.

Pervious Runoff Volume:

0.2 x 2 in/hr x 8,278 sq.ft. x 1 ft./12 in. = 276 cu.ft.

Total Volume to be Retained = 826 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

Exfiltration Trench #C-1

L = Total Length of Trench Provided = 30 ft

W = Trench Width = 6 ft

K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head

H2 = Depth to Water Table = 3.00 ft

DU = Un-Saturated Trench Depth = 2.50 ft

DS = Saturated Trench Depth = 0.50 ft

V = Volume Treated = 389 cu.ft.

Exfiltration Trench #C-2

L = Total Length of Trench Provided = 50 ft

W = Trench Width = 6 ft

K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head

H2 = Depth to Water Table = 3.00 ft

DU = Un-Saturated Trench Depth = 2.50 ft

DS = Saturated Trench Depth = 0.50 ft

V = Volume Treated = 648 cu.ft.

Total Volume Retained in Basin C Exfiltration Trenches = 997 cu.ft.

STORMWATER RETENTION CALCULATIONS

Basin D

A. SITE INFORMATION

Basin D Area = 4,522 sq.ft.

Drainage Area Impervious Surface = 760 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 760 sq.ft. x 1 ft./12 in. = 127 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 = 253 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 50 ft

W = Trench Width = 6 ft

K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head

H2 = Depth to Water Table = 6.00 ft

DU = Un-Saturated Trench Depth = 3.00 ft

DS = Saturated Trench Depth = 0.00 ft

V = Volume Treated = 1,025 cu.ft.

48 HOURS BEFORE DIGGING

CALL

1-800-432-4770

SUNSHINE STATE ONE CALL

OF FLORIDA, INC.

Contractor is responsible for obtaining location of existing utilities prior to commencement of construction activities.



Gruber Consulting Engineers, Inc.
5475 AMBER AVE., SUITE 308
WEST PALM BEACH, FL 33401
PHONE: 861.312.3841
office@gruberengineers.com

Project Information			
Project No.	2020-0026	Issue Date	10/27/2022
Scale	As Shown	Drawn By	CG
Checked By	CG		

Drainage Specifications and Details For:
Proposed Residence
965 North Ocean Boulevard
Palm Beach, Florida

Revisions	
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10	

Chad M. Gruber

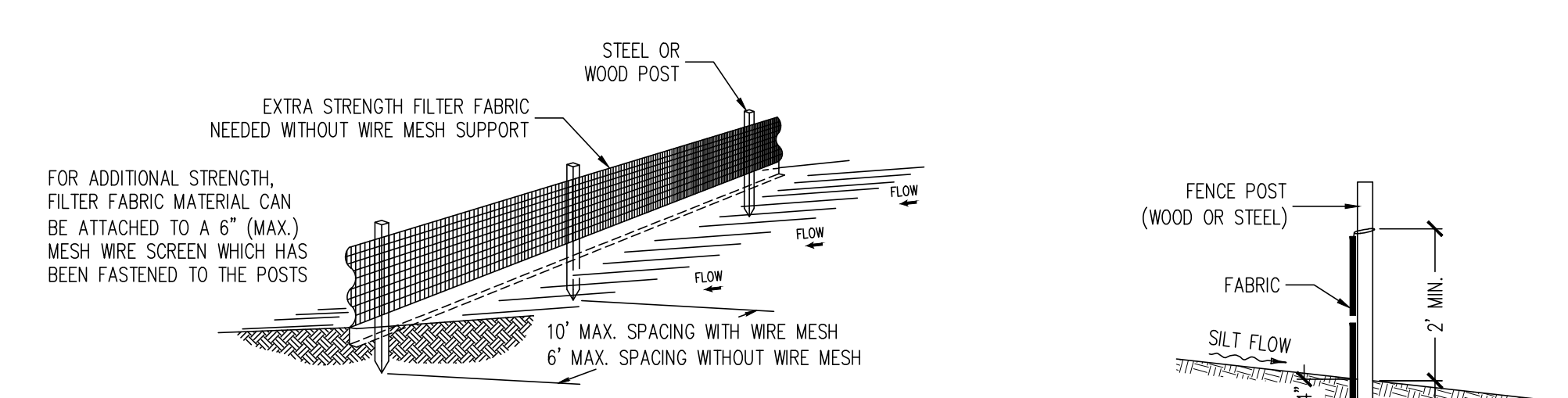
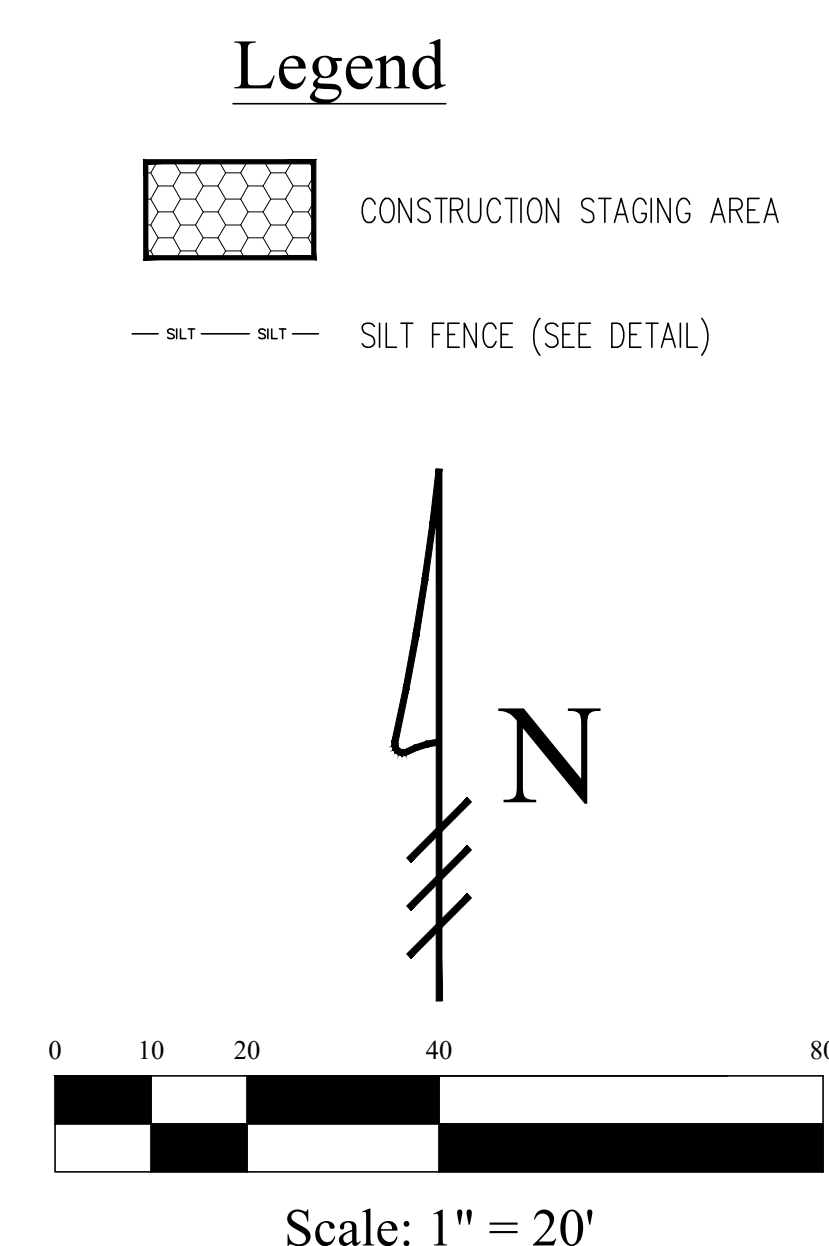
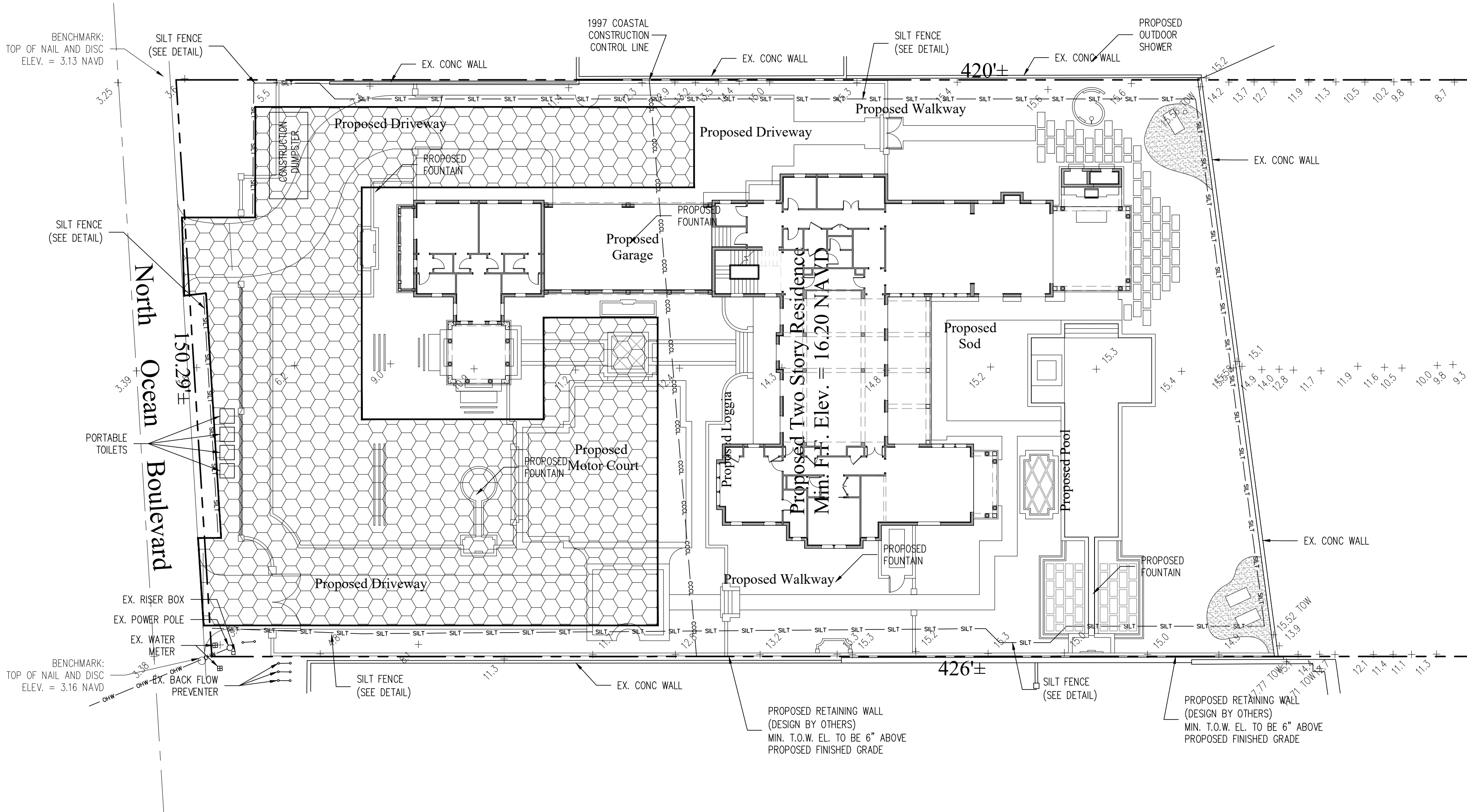
FL P.E. No. 57466

Sheet No.
C-2

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.

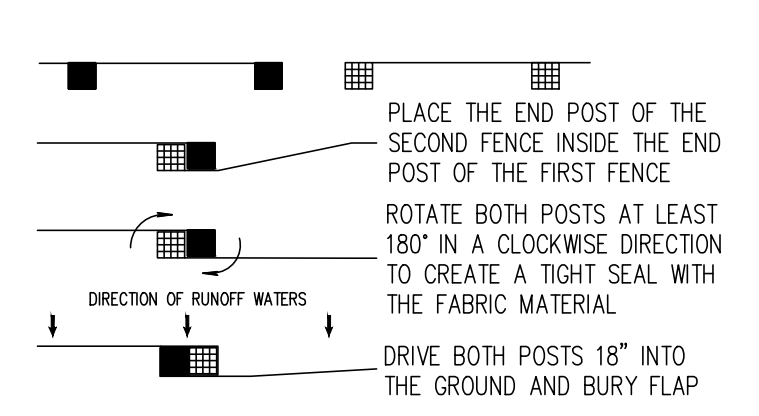
ARC-22-247

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- Notes:**
- 1) The height of a silt fence shall not exceed 36".
 - 2) Filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints.
 - 3) 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'.
 - 4) A trench shall be excavated approximately 4" wide and 4" deep along the line of posts and upslope from the barrier.
 - 5) 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, i.e. 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.
 - 6) 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.
 - 7) The trench shall be backfilled and the soil compacted over the filter fabric.

SILT FENCE SECTION
N.T.S.



ATTACHING TWO SILT FENCES
N.T.S.

SILT FENCE DETAIL
N.T.S.

- Notes:**
- 1) Contractor is responsible for installing and maintaining erosion control measures during construction.
 - 2) 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.

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



**Gruber Consulting
Engineers, Inc.**
5754 MERGER AVE., SUITE 305
WEST PALM BEACH, FL 33401
PHONE: 861.312.2841
office@gruberengineers.com

Project Information				
Project No.	2024-0026	Issue Date	10/24/2022	Scale
Scale	1" = 20'	Drawn By	KM	Checked By
			CG	

Conceptual Construction Staging & Parking and Erosion Control Plan For:
Proposed Residence
Palm Beach, Florida
965 North Ocean Boulevard

Revisions	
1	
2	
3	
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10	

Chad M. Gruber
FL P.E. No. 57466

Sheet No.
EC-1

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 9/29/22

ARC-22-247
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LEGEND

- This survey is made specifically and only for the following parties for the purpose of a submittal on the surveyed property*

CIBC BANK USA, An Illinois Chartered Bank, its successors and/or assigns as their interest may appear

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



SITE

ATLANTIC OCEAN

VICINITY SKETCH N.T.S.



LEGAL DESCRIPTION:
The South 150 feet of the North 275 feet of the following described real property:

A parcel of land in Sections 10 and 11, Township 43 South, Range 43 East, Town of Palm Beach, Florida, more particularly described as follows:

The North 1036.8 feet of **GOVERNMENT LOT 1**, Section 10 aforesaid, and the North 1036.8 feet of **GOVERNMENT LOT 1**, Section 11 aforesaid, all lying North and East of the Right of Way of Ocean Boulevard as laid out and in use. The North line of the 150-foot tract herein described is the South line of that certain tract owned by Nicholas R. duPont, more particularly described in Deed recorded in Official Record Book 869, Page 112, Public Records of Palm Beach County, Florida.

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: 10/20/2022
NOTE: VERTICAL DATA NOT UPDATED

Craig L. Wallace
Professional Surveyor and Mapper
Florida Certificate No. 9357

REVISIONS:

10/20/22 SURVEY UPDATE (ELEVATIONS NOT UPDATED) B.M./M.B. B-1085-8 PB340/53
06/11/21 SURVEY AND TIE-IN UPDATE WITH 62 B REQUIREMENTS J.P./M.B. B-1085-7 PB315/4
11/30/20 SURVEY AND TIE-IN UPDATE WITH SPOT ELEVATIONS B.M./M.B. B-1085-6 PB303/40
04/02/20 LOCATE EXOTIC VEGETATION B.M./M.B. B-1085-5 PB293/5
TITLE REVIEW & RECERTIFY S.W. B-1085-4
12/14/19 SURVEY AND TIE-IN UPDATE B.M./M.B. B-1085-3 PB285/70

**965 NORTH OCEAN BOULEVARD, LLC,
A FLORIDA LIMITED LIABILITY COMPANY**



FIELD: B.M.	JOB NO: 19-1085.1	F.B. PB273 PG. 31
OFFICE: M.B.	DATE: 2/16/19	DWG. NO. 19-1085-
C/K'D: C.W.	REF: 19-1085-4.DWG	SHEET 1 OF