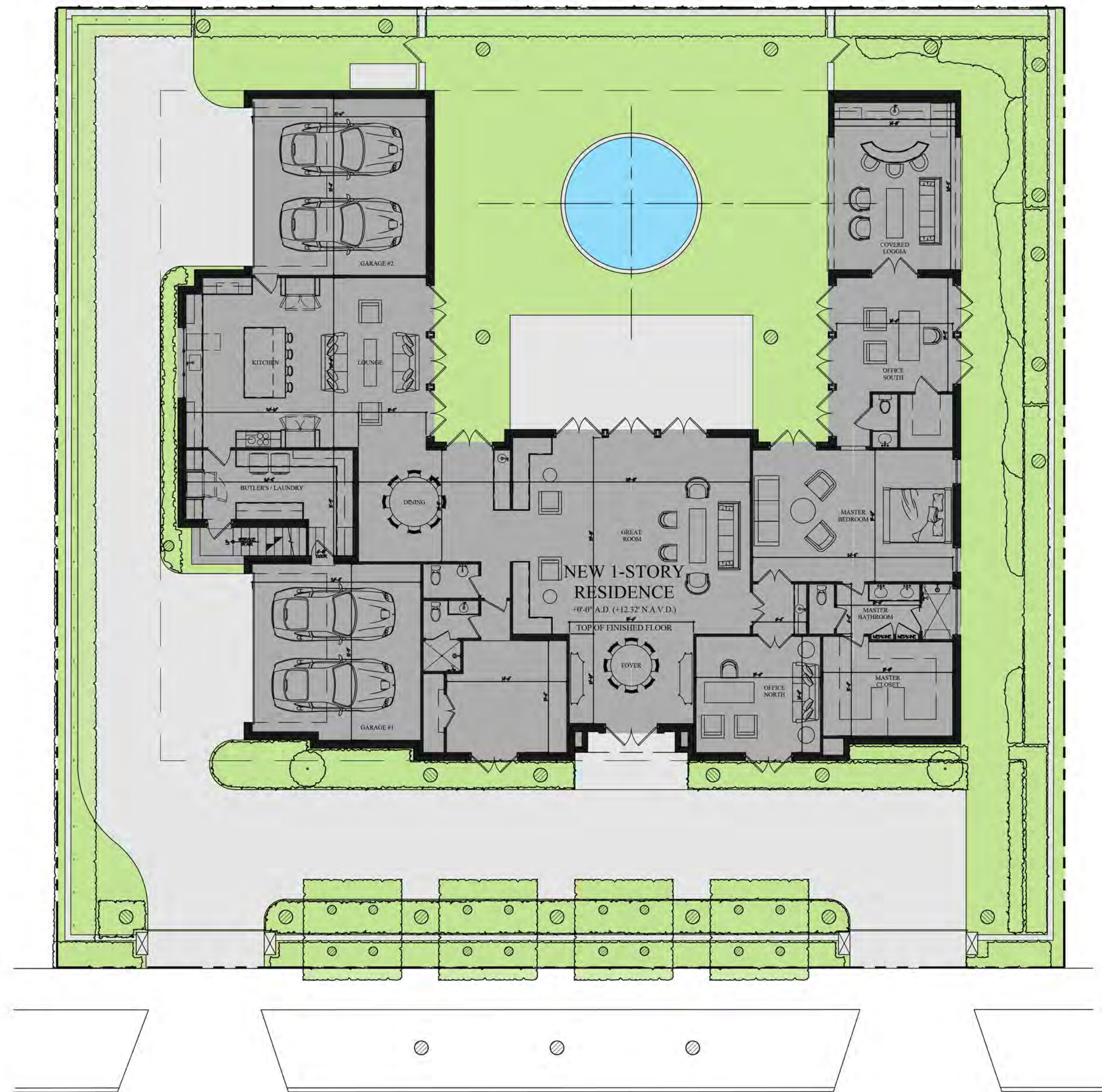
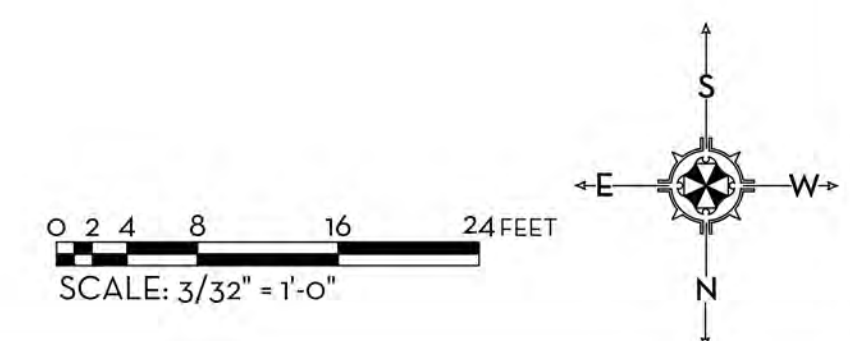




TOTAL LANDSCAPE

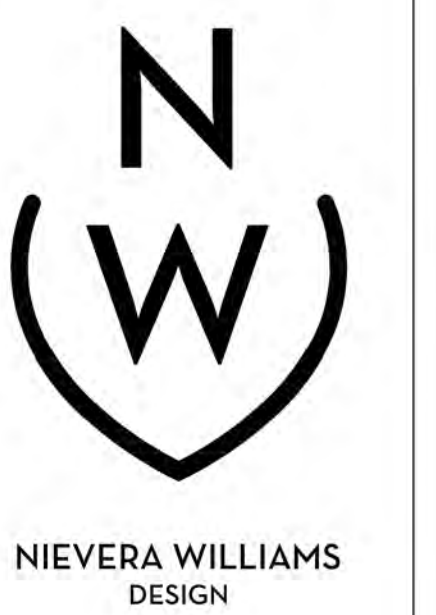


25' FRONT SETBACK LANDSCAPE



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

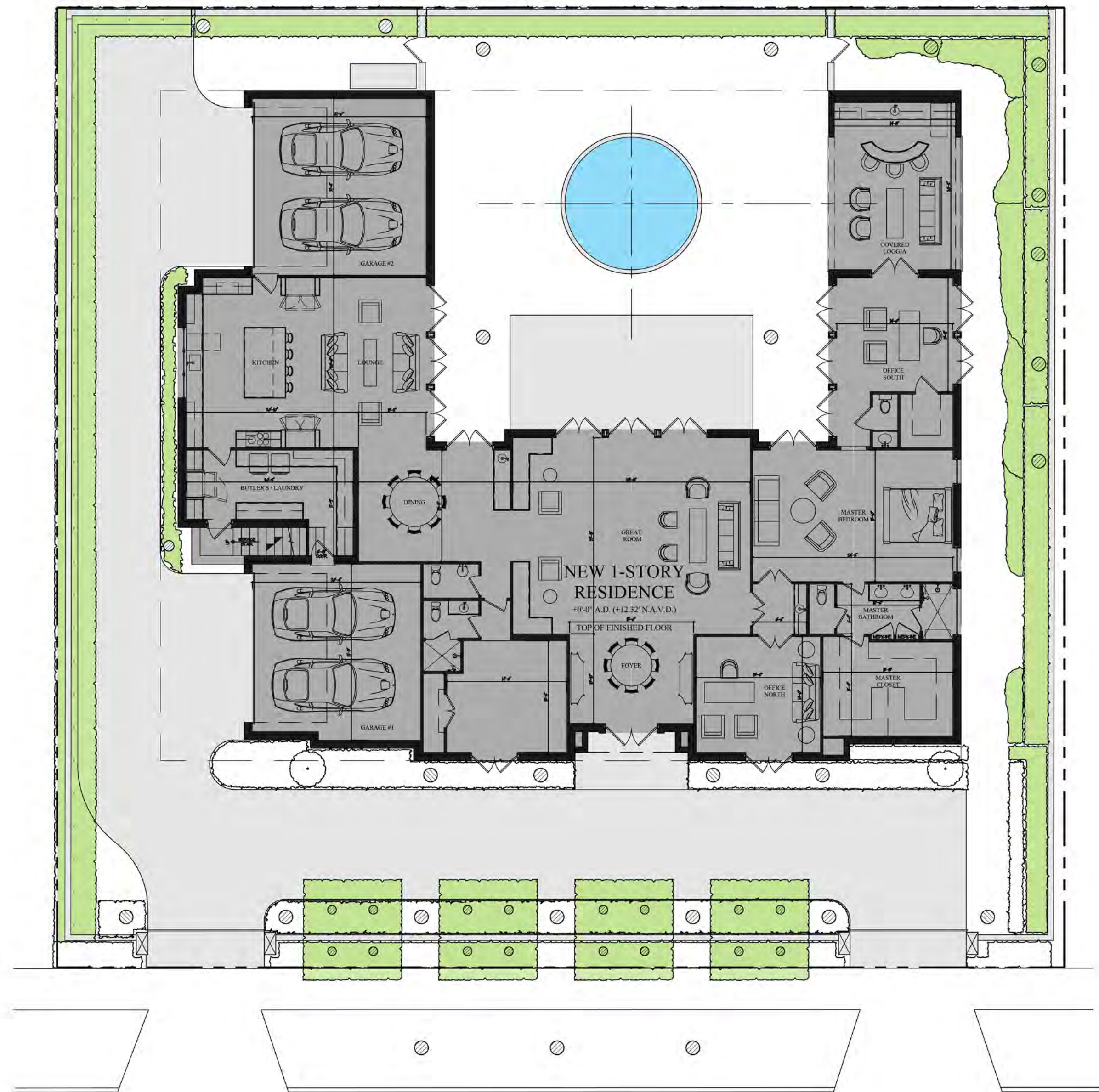
OPEN SPACE DIAGRAM
KARAKUL RESIDENCE
164 SEMINOLE AVE, PALM BEACH, FLORIDA
27 JUNE 2022 - FINAL SUBMITTAL
9 MAY 2022 - FIRST SUBMITTAL
SCALE: 1/8" = 1'-0"



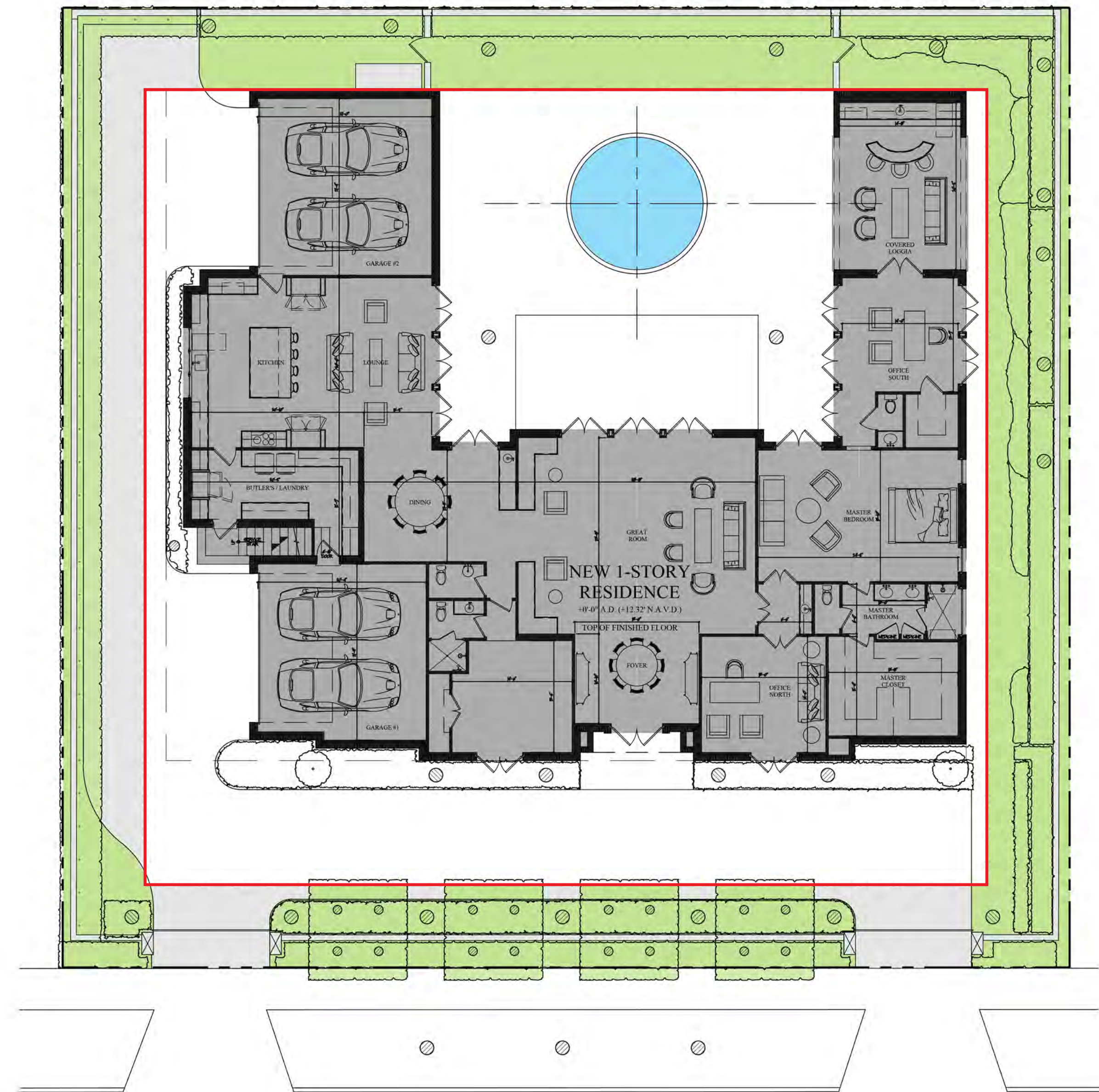
625 N. Flagler Drive
Suite 502
West Palm Beach, FL 33401
P: 561-659-2820
F: 561-659-2113

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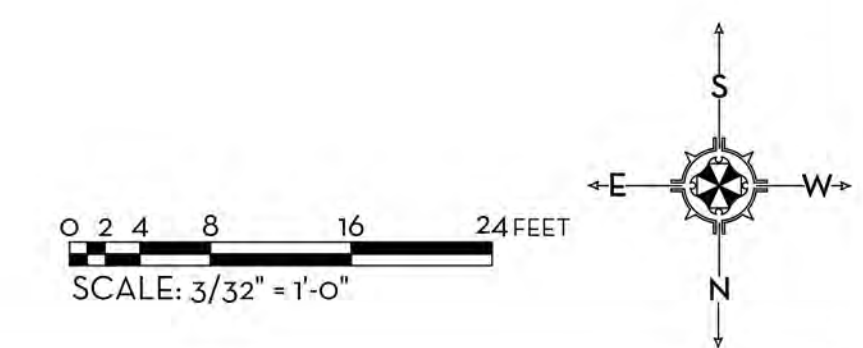
OS1



NATIVE LANDSCAPE



10' PERIMETER LANDSCAPE



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

OPEN SPACE DIAGRAM
KARAKUL RESIDENCE
164 SEMINOLE AVE, PALM BEACH, FLORIDA
27 JUNE 2022 - FINAL SUBMITTAL
9 MAY 2022 - FIRST SUBMITTAL
SCALE: 1/8" = 1'-0"

NW
NIEVERA WILLIAMS
DESIGN

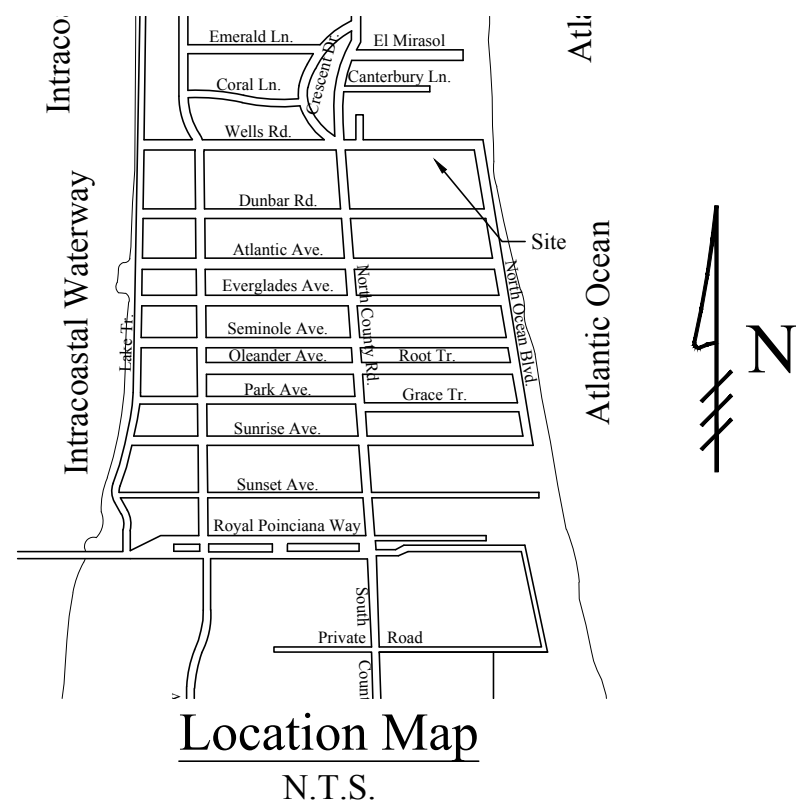
625 N. Flagler Drive
Suite 502
West Palm Beach, FL 33401
P: 561-659-2820
F: 561-659-2113

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OS2

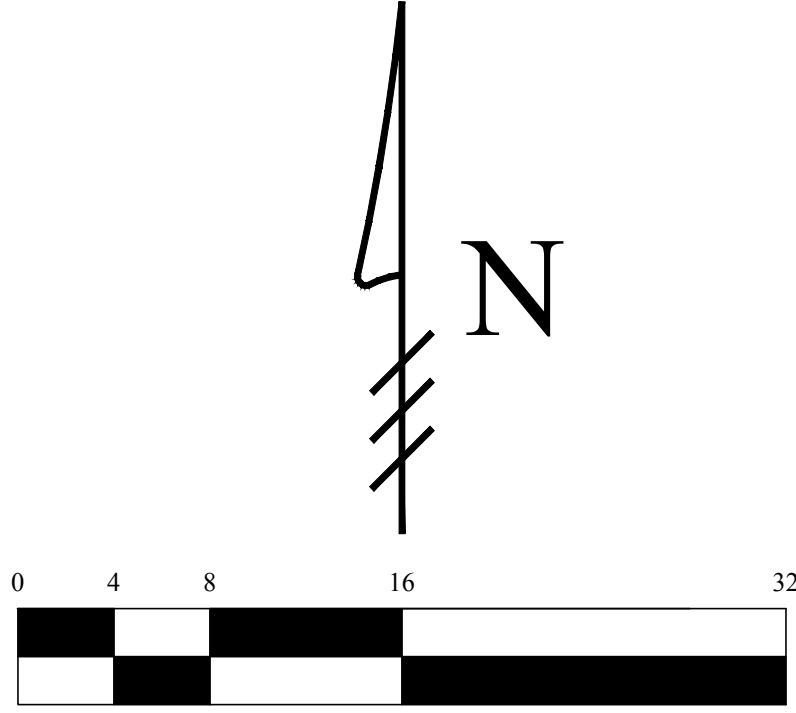
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Project No.	2019-0101	Issue Date	06/27/2022	Scale
Scale	1/8" = 1'-0"	Drawn By	KM	Checked By
CG				

Revisions	
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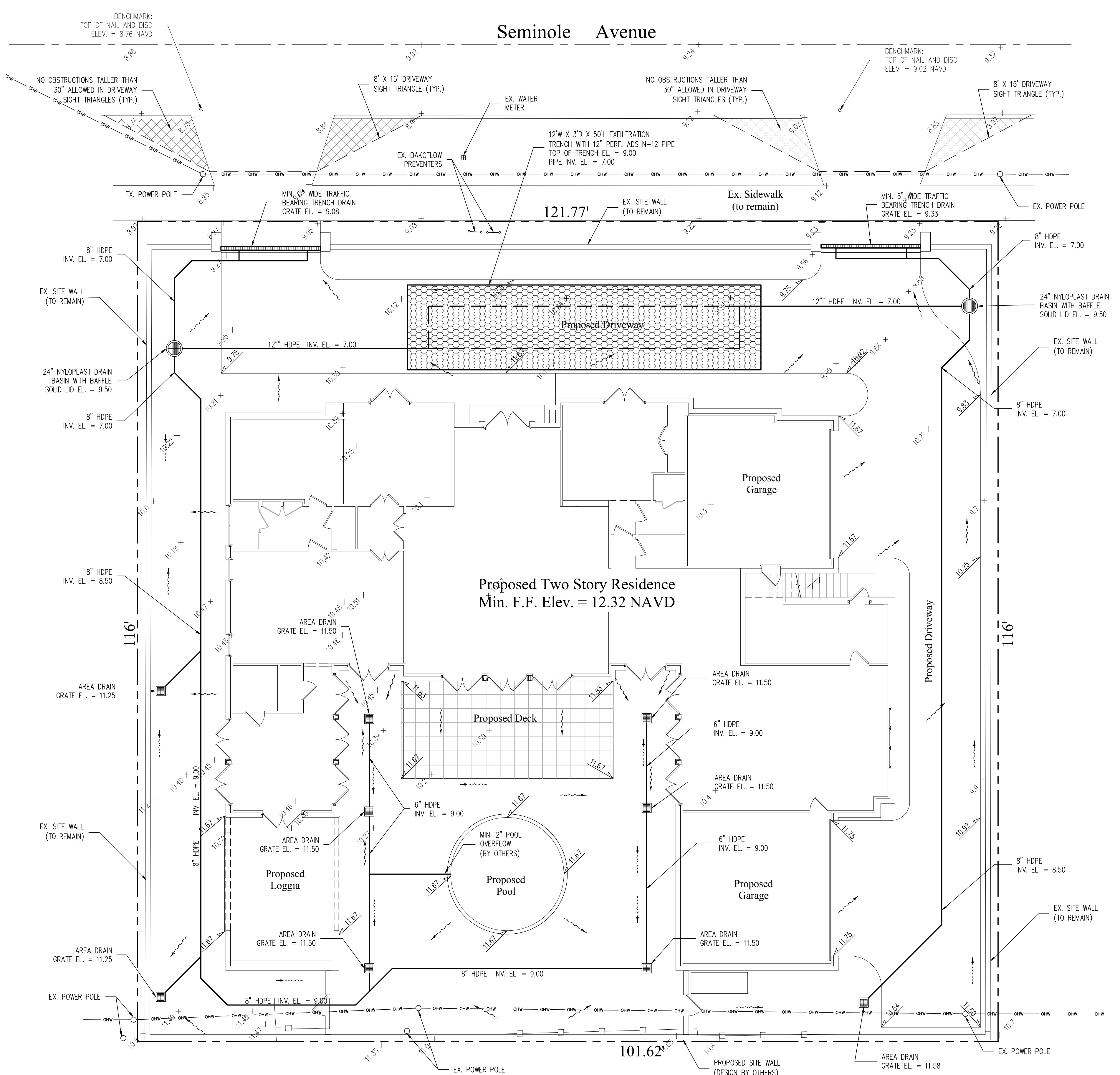


Legend

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



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



STORMWATER RETENTION CALCULATIONS

A. SITE INFORMATION

Total Property Area = 14,125 sq.ft.
Drainage Area Impervious Surface = 7,728 sq.ft.
Drainage Area Pervious Surface = 6,397 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 7,728 sq.ft. x 1 ft/12 in. = 1,288 cu.ft.
Pervious Runoff Volume:
0.2 x 2 in/hr x 6,397 sq.ft. x 1 ft/12 in. = 214 cu.ft.
Total Volume to be Retained = 1,502 cu.ft.

C. PROPOSED EXFILTRATION TRENCH SIZING

L = Total Length of Trench Provided = 50 ft
W = Trench Width = 12 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 = 1,806 cu.ft.

Notes:

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

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 6/27/22

ARC-22-144
ZON-22-103

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

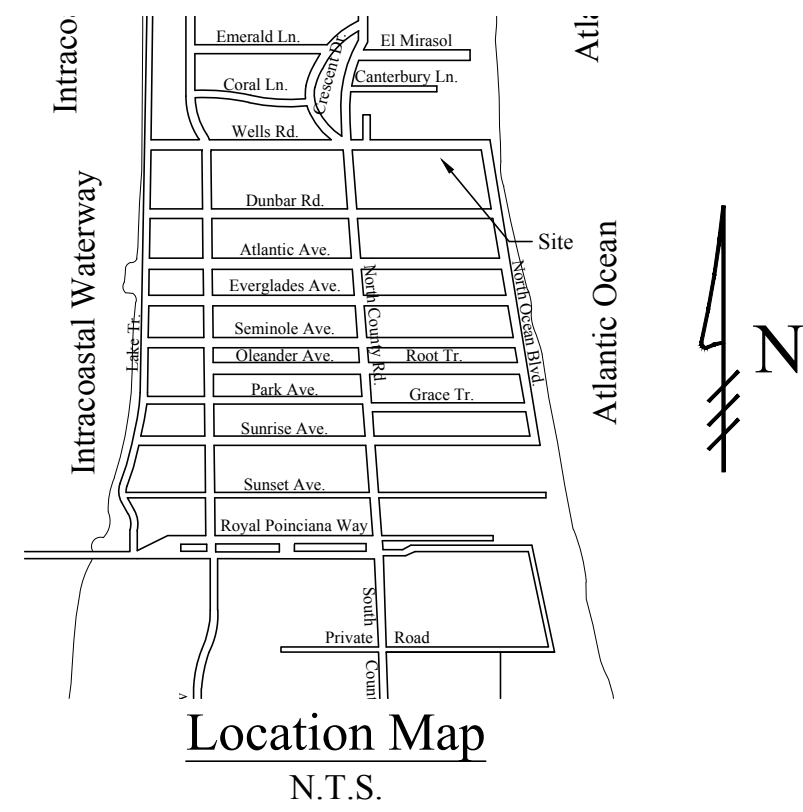
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Project No.	2019-0101	Issue Date	06/27/2022	Scale
Scale	1/8" = 1'-0"	Drawn By	KM	Checked By
			CG	

Conceptual Construction Staging & Parking and Erosion Control Plan For:
Proposed Residence
164 Seminole Avenue
Palm Beach, Florida

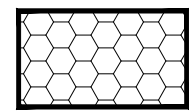
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Chad M. Gruber
FL P.E. No. 57466

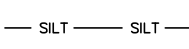
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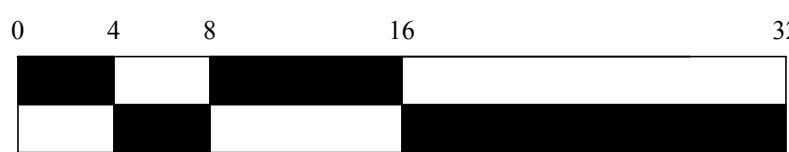
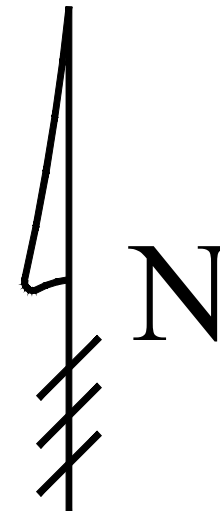
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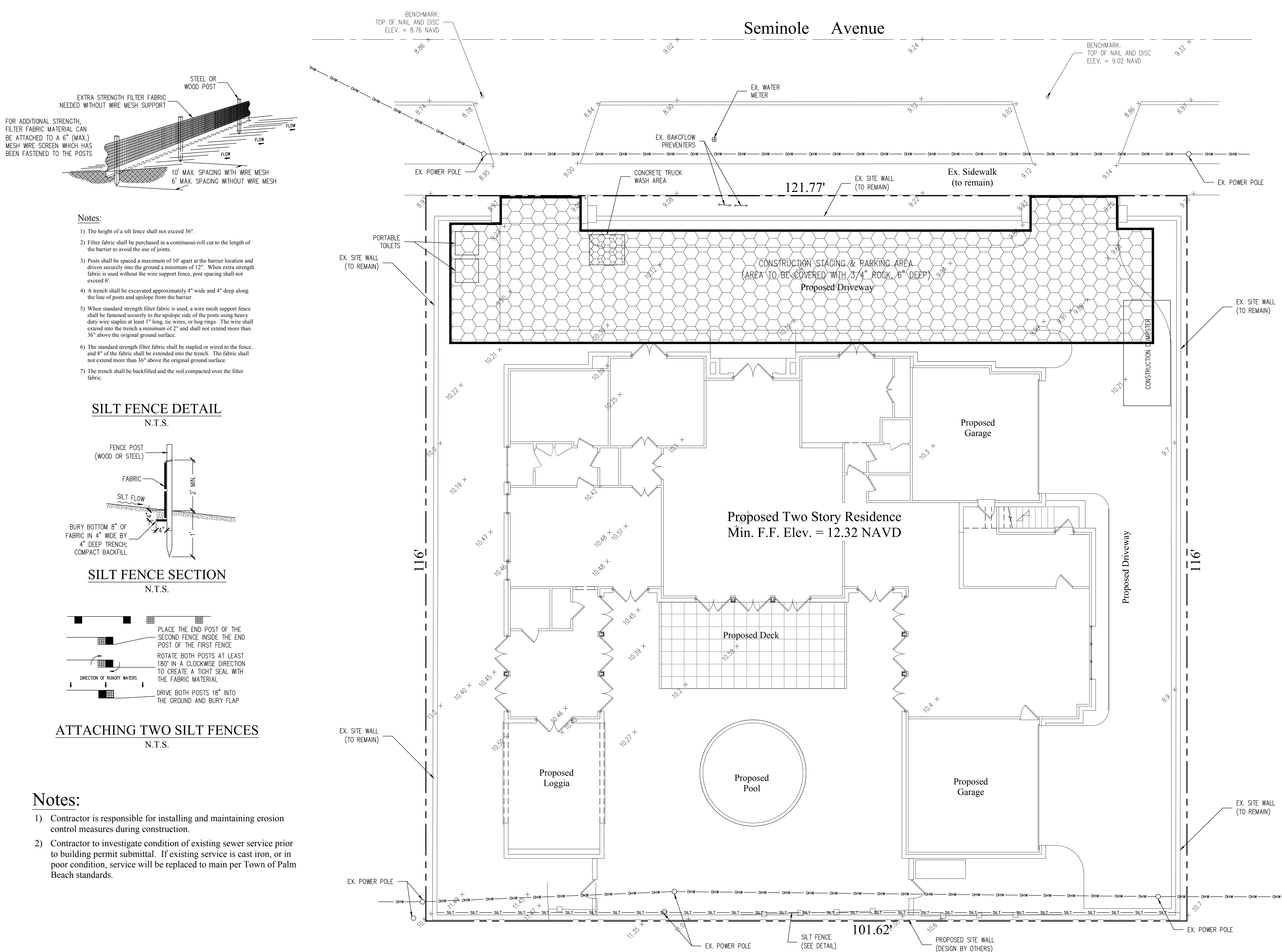
CONSTRUCTION STAGING AREA



SILT FENCE (SEE DETAIL)



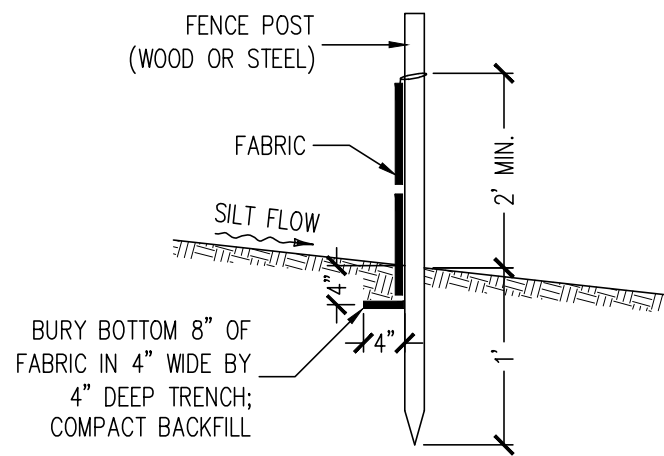
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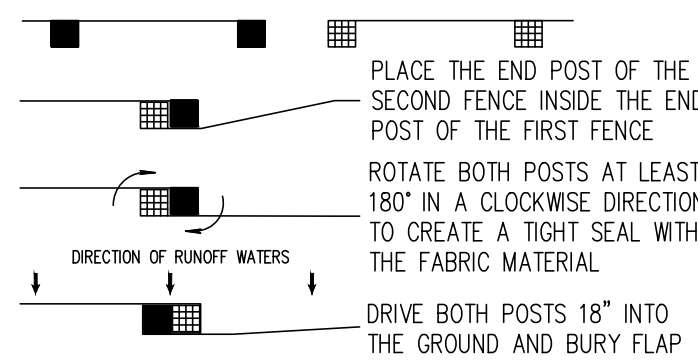
Notes:

- 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, 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.
- 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 DETAIL N.T.S.



SILT FENCE SECTION N.T.S.



ATTACHING TWO SILT FENCES 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.

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