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# NEW POOL, DECK, & REAR YARD LANDSCAPE

## 162 EAST INLET DRIVE PALM BEACH, FLORIDA



### SHEET INDEX:

- EX1 Existing/Demolition Plan
- L1 Currently & Previously Proposed Hardscape Plan
- L2 Currently & Previously Proposed Landscape Plan
- L2R Currently & Previously Proposed Landscape Plan
- L3 Existing and Proposed Fences, Walls, & Gates
- L4 Sections & Details
- M1 Exterior Materials & Finishes
- Z1 Zoning Diagrams & Calculations
- L5 Proposed South & East Elevations
- LL1 Proposed Landscape Lighting Plan

**ARC-23-107**  
**SEPTEMBER 27, 2023 MEETING**

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**ZON-23-077**  
**OCTOBER 11, 2023 MEETING**

### SCOPE OF WORK:

- Demolish Existing Pool & Deck
- Demolish/Relocate Existing Rear Yard Landscape
- Install New Pool & Deck
- Install New Rear Yard Landscape

### ARCHITECT:

SKA Architect + Planner  
 Patrick W. Segraves, A.I.A.  
 249 Peruvian Avenue, Suite F-2  
 Palm Beach, FL 33480  
 (561) 655-1116

### SURVEYOR:

Miller Surveying & Mapping  
 Michael Miller  
 1121 Lake Avenue  
 Lake Worth Beach, FL 33460  
 (561) 586-2669

### CIVIL ENGINEER:

Gruber Consulting Engineers  
 Chad Gruber  
 2475 Mercer Avenue  
 West Palm Beach, FL 33401  
 (561) 312-2041

162 East Inlet Drive  
 Palm Beach  
 Florida

JOB #1015

DATE ISSUED:  
 September 5, 2023

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DATE PLOTTED:  
 September 5, 2023

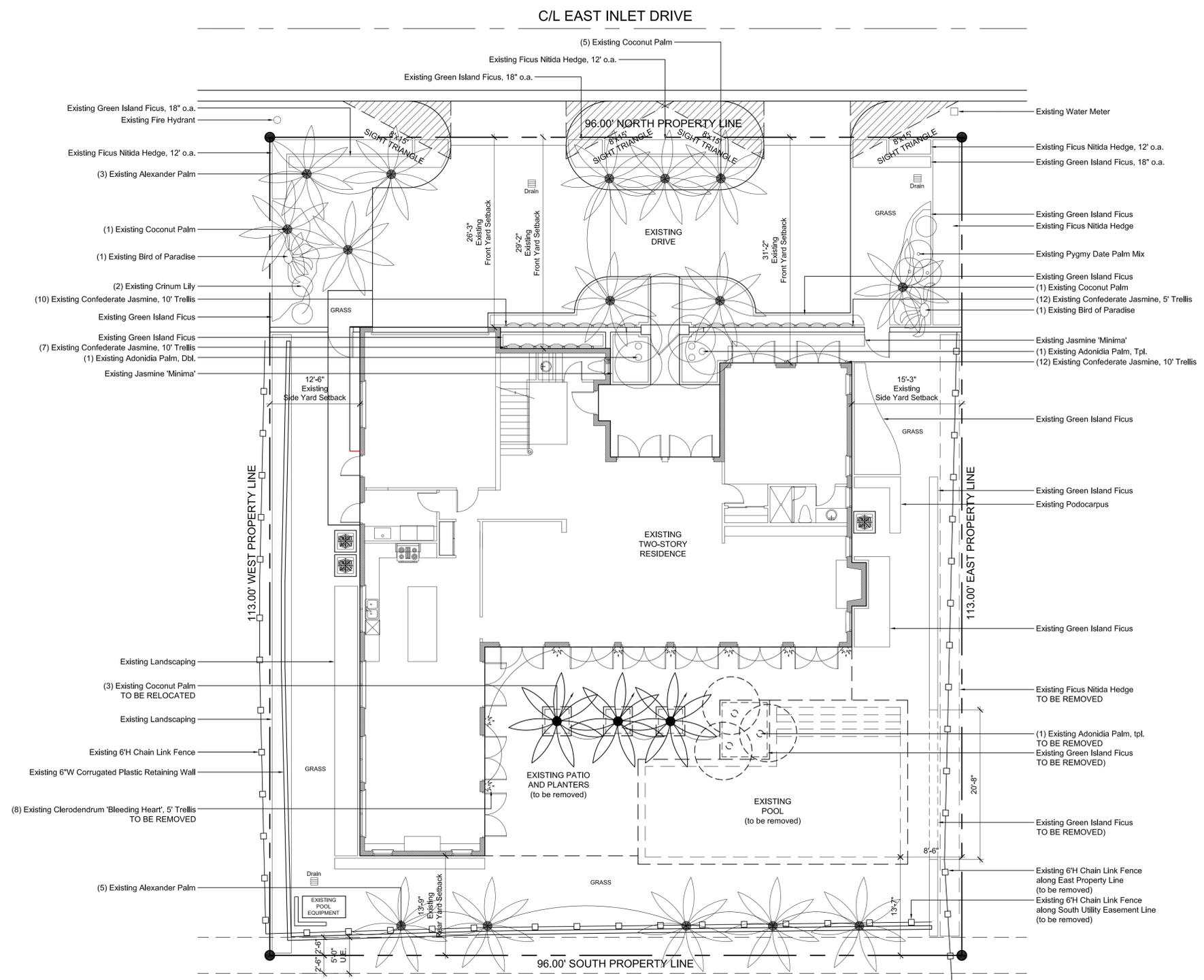
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Zoning Legend				
Property Address: 162 EAST INLET DRIVE, PALM BEACH, FL 33480				
Zoning District: R-B LOW DENSITY RESIDENTIAL				
Structure Type: SINGLE FAMILY RESIDENCE				
	Required/Allowed	Existing	Previously Proposed	Currently Proposed REV 1
Lot Size (sq ft)	10,000	10,848	N/C	N/C
Lot Depth	100.00'	113.00'	N/C	N/C
Lot Width	100.00'	96.00'	N/C	N/C
Lot Coverage (sq ft)	3,254.40 (30.00%)	3,084.00 (28.43%)	3,119.00 (28.75%)	3,119.00 (28.75%)
Enclosed Square Footage (Basement, 1st Fl., 2nd Fl., Accessory Structures, etc.)	N/A	4,985.00	5,144.00	5,144.00
Cubic Content Ratio (CCR) (R-B ONLY)	3.99			
Front Yard Setback	25.00' (1st) 30.00' (2nd)	26.00' 29.17'	N/C (1st) N/C (2nd)	N/C (1st) N/C (2nd)
* Side Yard Setback (1st Story)	12.50'	12.30' W	N/C	N/C
* Side Yard Setback (2nd Story)	15.00'	21.16' W/15.00' E	N/C	N/C
Rear Yard Setback	10.00' (1st) 15.00' (2nd)	13.80' 42.58'	N/C (1st) N/C (2nd)	N/C (1st) N/C (2nd)
Angle of Vision	100°	104°	N/C	N/C
Building Height	14.00' (1st) 22.00' (2nd)	(1st) 19.08' (2nd)	N/C (1st) N/C (2nd)	N/C (1st) N/C (2nd)
Overall Building Height	30.00'	25.83'	N/C	N/C
Crown of Road (COR)(NAVD)	N/A	5.34'	N/C	N/C
Max. Amount of Fill Added to Site (ft)	N/A	N/A	N/A	N/A
Finished Floor Elev. (FFE)(NAVD)	7.00' min.	6.87'	N/C	N/C
Zero Datum for Pl. of Meas. (NAVD)	7.00' min.	7.00'	N/C	N/C
Base Flood Elevation (BFE)(NAVD)		7.00'	N/C	N/C
Landscape Open Space (LOS)	4,881.60 (45.00%)	4,590.02 (42.31%)	4,681.80 (43.16%)	4,960.05 (45.72%)
Perimeter LOS	2,440.80 (50.00%)	3,272.14 (67.03%)	3,328.61 (68.19%)	3,328.61 (68.19%)
Front Yard LOS	960.00 (40.00%)	1,122.87 (46.79%)	N/C	N/C
Native Plant Species %	N/A	N/A	N/A	N/A

Existing Plant List						
	QTY	COMMON NAME	BOTANICAL NAME	SIZE	COMMENT	NATIVE
TREES	2	Bird of Paradise	Strelitzia Reginae		existing to remain	
	2	Crinum Lily	Crinum Asiaticum		existing to remain	
PALMS	1	Adonidia Palm	Adonidia Merrillii	Double	existing to remain	
	1	Adonidia Palm	Adonidia Merrillii	Triple	existing to remain	
	8	Alexander Palm	Archontophoenix Alexandrae		existing to remain	
	2	Coconut Palm	Cocos Nucifera		existing to remain	
	3	Coconut Palm	Cocos Nucifera		to be relocated	
SHRUBS	1	Pygmy Date Palm	Phoenix Roebelenii	Mix	existing to remain	
		Green Island Ficus	Ficus Microcarpa	Hedge	existing to remain	
		Podocarpus	Podocarpus Macrophyllus	Hedge	existing to remain	
GCYVINES		Podocarpus	Podocarpus Macrophyllus	Hedge	existing to remain	
	8	Clerodendrum	Clerodendrum Thomsoniae	5' Trellis	to be removed	
		Confederate Jasmine	Trachelospermum Jasminoids	5' Trellis	existing to remain	
		Confederate Jasmine	Trachelospermum Jasminoids	10' Trellis	existing to remain	
		Jasmine 'Minima'	Trachelospermum Asiaticum	Liners	existing to remain	
	St. Augustine Turf	Stenotaphrum Secundatum		existing to remain		

PLANT KEY	
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE RELOCATED



**BGS**  
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& Engineering

512 Lucerne Avenue  
Lake Worth Beach, FL 33460  
(561) 602-6277  
bgsplc.com  
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EXISTING/DEMOLITION PLAN

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

162 East Inlet Drive  
Palm Beach  
Florida

JOB #1015

DATE ISSUED:  
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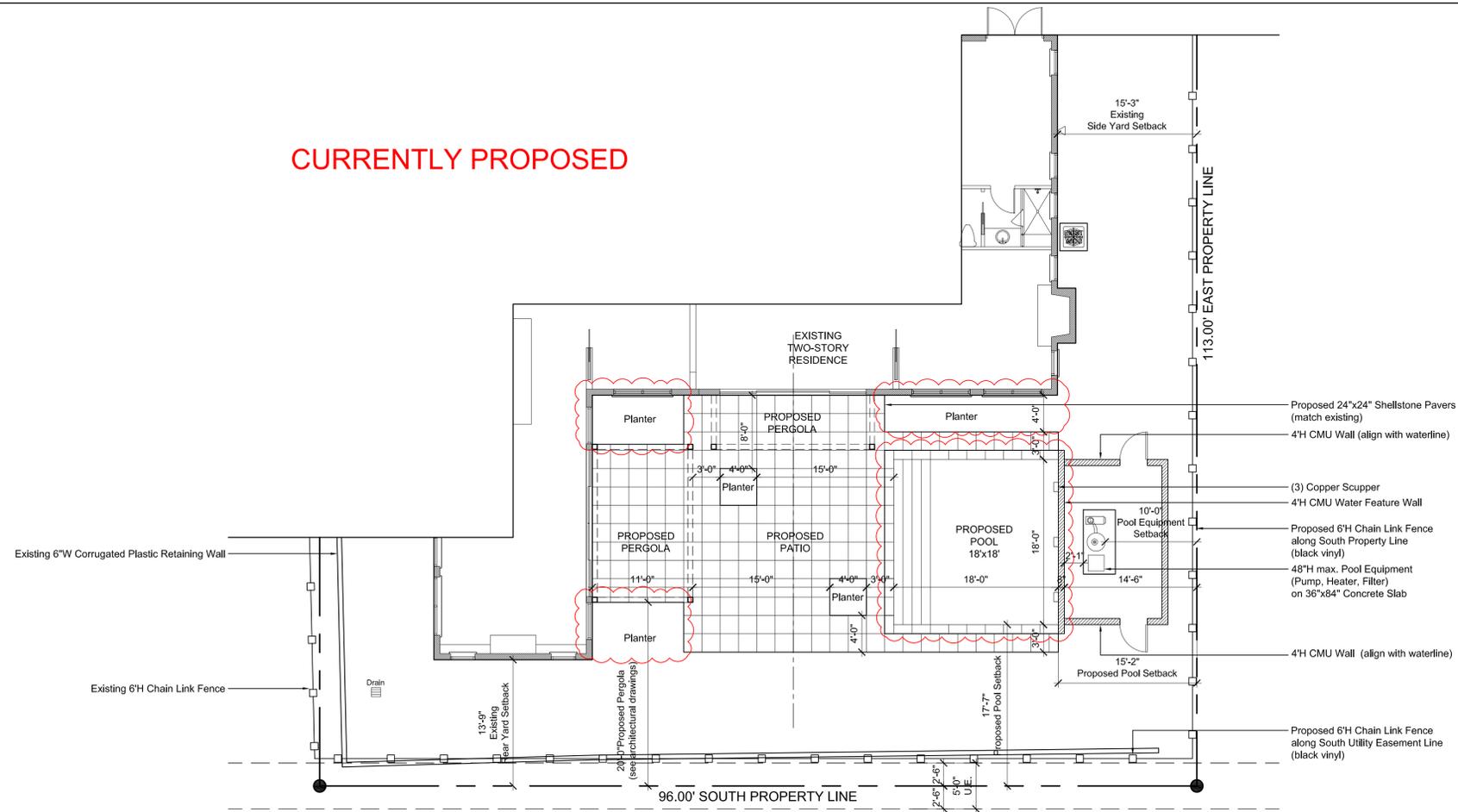
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**EX1**

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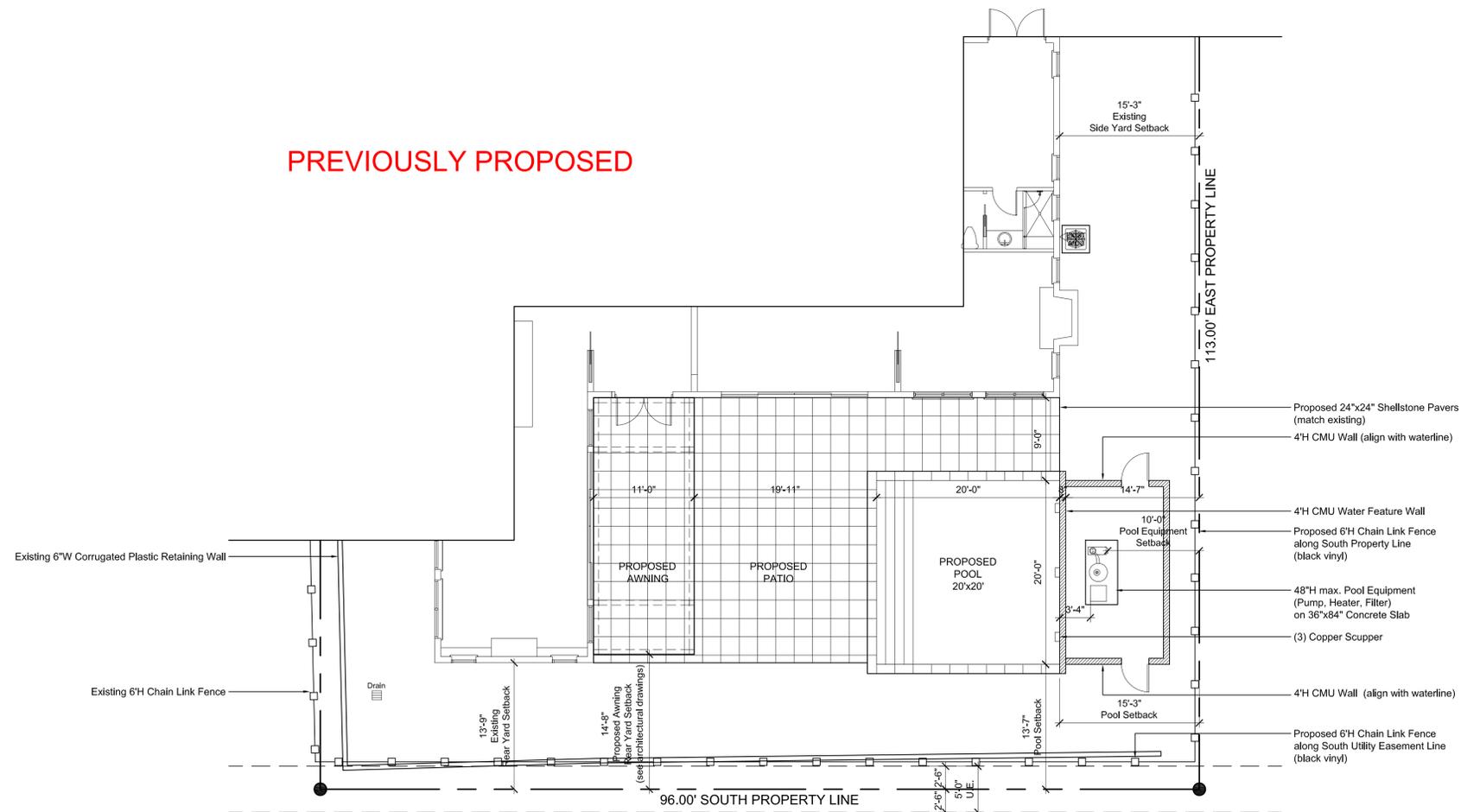
**CURRENTLY PROPOSED**



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Front Yard LOS	960.00 (40.00%)	1,122.87 (46.79%)	N/C	N/C
Native Plant Species %	N/A	N/A	N/A	N/A

\* Indicate each side yard with cardinal direction (N,S,E,W) If value is not applicable, enter N/A REV BP 20220616  
\*\* Provide Native plant species calculation per category as required by Ord. 24-2021 on separate table If value is not changing, enter N/C

**PREVIOUSLY PROPOSED**



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FINAL SUBMITTAL REV1  
SEPTEMBER 5, 2023



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Lake Worth Beach, FL 33460  
(561) 602-6277  
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PROPOSED HARDSCAPE PLAN

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

162 East Inlet Drive  
Palm Beach  
Florida

JOB #1015

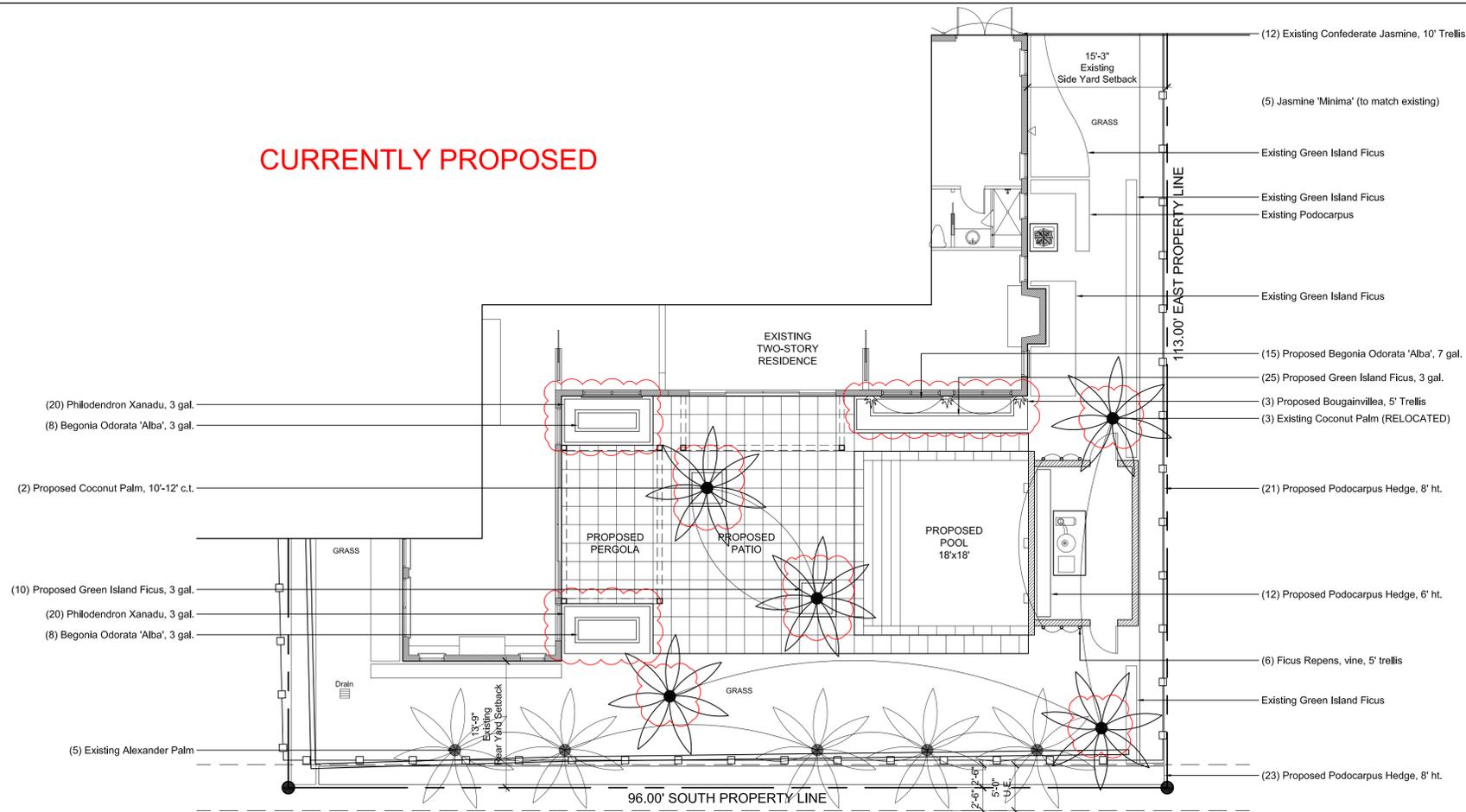
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L1

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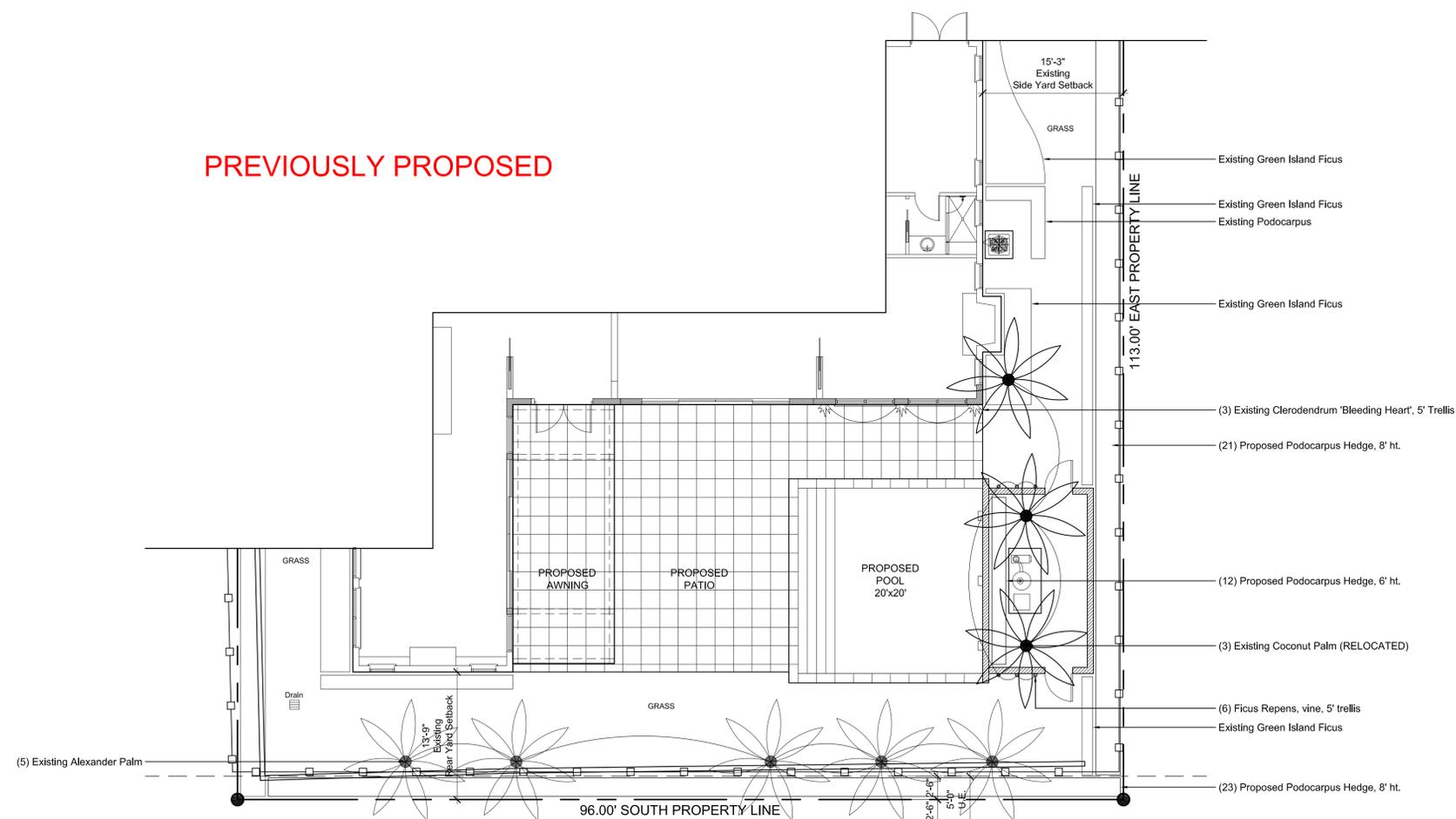
**CURRENTLY PROPOSED**



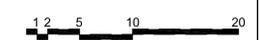
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Front Yard LOS	960.00 (40.00%)	1,122.87 (46.79%)	N/C	N/C
Native Plant Species %	N/A	N/A	N/A	N/A

Proposed Plant List						
	QTY	COMMON NAME	BOTANICAL NAME	SIZE	COMMENT	NATIVE
TREES		Bird of Paradise	Strelitzia Reginae		existing	
		Crinum Lily	Crinum Asiaticum		existing	
PALMS		Adonia Palm	Adonia Merrillii	Double	existing	
		Adonia Palm	Adonia Merrillii	Triple	existing	
		Alexander Palm	Archontophoenix Alexandrae		existing	
		Coconut Palm	Cocos Nucifera		existing	
	3	Coconut Palm	Cocos Nucifera		relocated	
	2	Coconut Palm	Cocos Nucifera	10'-12' o.a.		
		Pygmy Date Palm	Phoenix Roebelenii	Mix	existing	
	31	Begonia Odorata 'Alba'	Begonia Odorata 'Alba'	3 gal.		
		Green Island Ficus	Ficus Microcarpa	Hedge	existing	
	35	Green Island Ficus	Ficus Microcarpa	3 gal., 12" o.a.	Full to base	
		Podocarpus	Podocarpus Macrophyllus	Hedge	existing	
	40	Philodendron Xanadu	Philodendron Bipinnatifidum	3 gal.		
	12	Podocarpus	Podocarpus Macrophyllus	Hedge, 6' o.a.	full to base	
	44	Podocarpus	Podocarpus Macrophyllus	Hedge, 8' o.a.	full to base	
		Podocarpus	Podocarpus Macrophyllus	Hedge	existing	
	3	Bougainvillea	Bougainvillea Spectabilis	5' Trellis		
GC/VINES		Confederate Jasmine	Trachelospermum Jasminoids	5' Trellis	existing	
		Confederate Jasmine	Trachelospermum Jasminoids	10' Trellis	existing	
	6	Ficus Repens	Ficus Pumila	5' Tellis		
		Jasmine 'Minima'	Trachelospermum Asiaticum	Liners	existing	
	10	Jasmine 'Minima'	Trachelospermum Asiaticum	Liners	match existing	
		St. Augustine Turf	Stenotaphrum Secundatum		existing	
		St. Augustine Turf	Stenotaphrum Secundatum		match existing	

**PREVIOUSLY PROPOSED**



PLANT KEY	
(Symbol: Circle with a dot)	EXISTING TREE TO REMAIN
(Symbol: Circle with a cross)	NEW/RELOCATED TREE



ARC-23-107  
ZON-23-077  
FINAL SUBMITTAL REV1  
SEPTEMBER 5, 2023

BGS  
Landscape Architecture & Engineering  
512 Lucerne Avenue  
Lake Worth Beach, FL 33460  
(561) 602-6277  
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LA6666674

PROPOSED LANDSCAPE PLAN  
SCALE: 1/8" = 1'-0"  
162 East Inlet Drive  
Palm Beach  
Florida  
JOB #1015

DATE ISSUED:  
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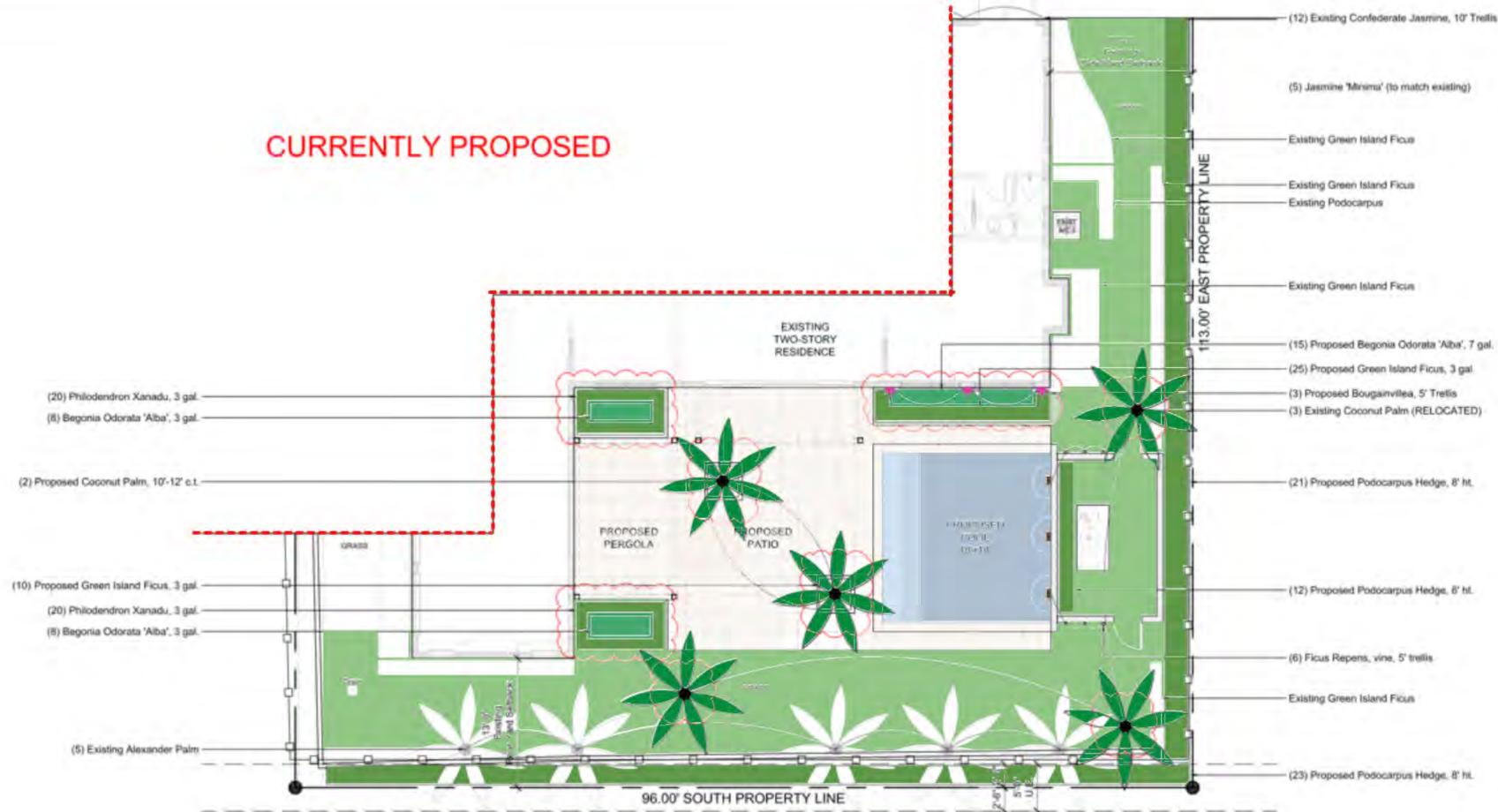
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North arrow pointing up with 'N' below it.

L2

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**CURRENTLY PROPOSED**



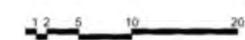
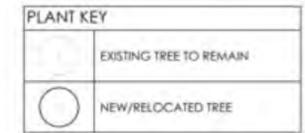
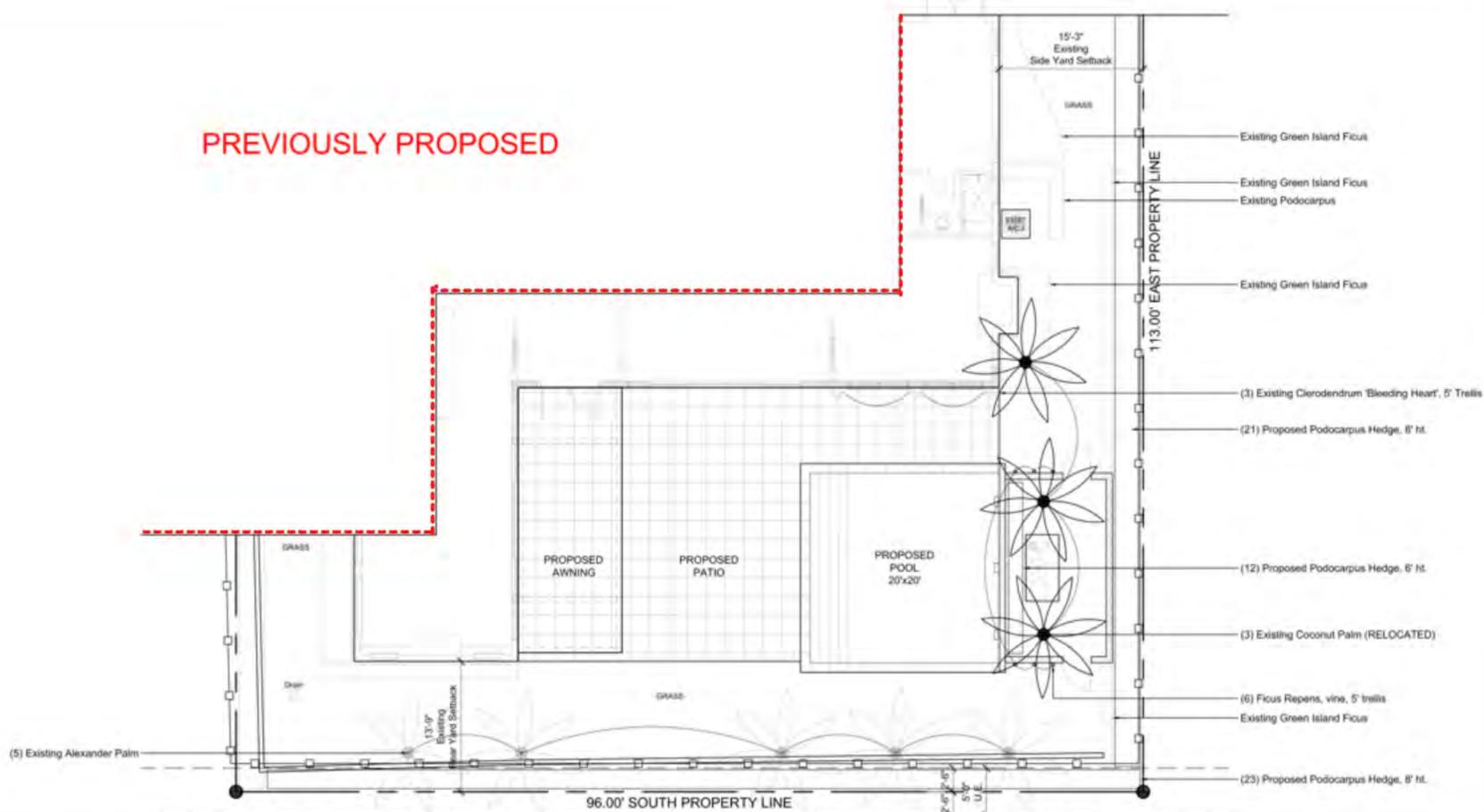
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**PREVIOUSLY PROPOSED**



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EXISTING & PROPOSED FENCES, WALLS, & GATES SCALE: 1/8" = 1'-0"

**162 East Inlet Drive**  
Palm Beach  
Florida

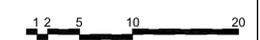
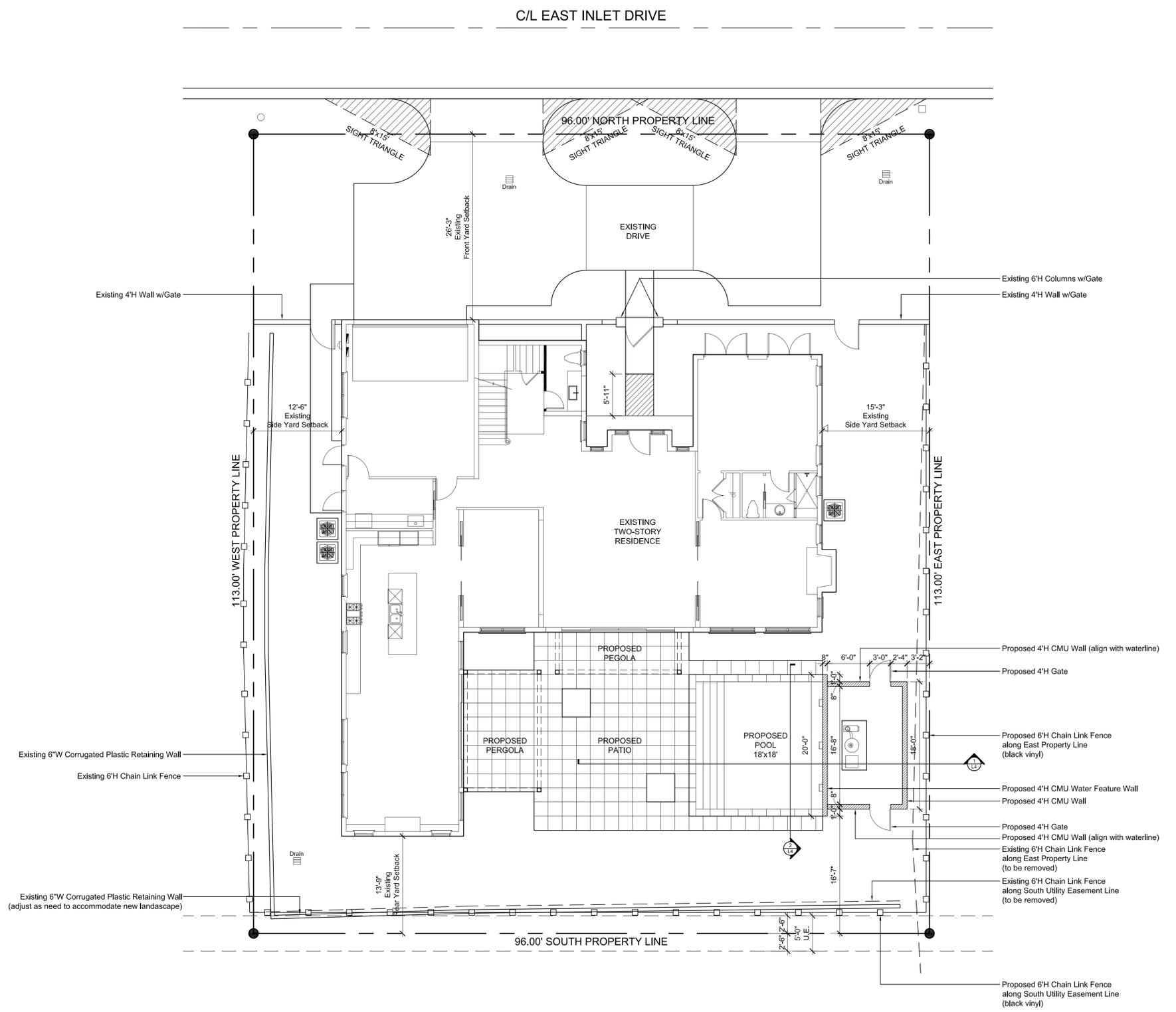
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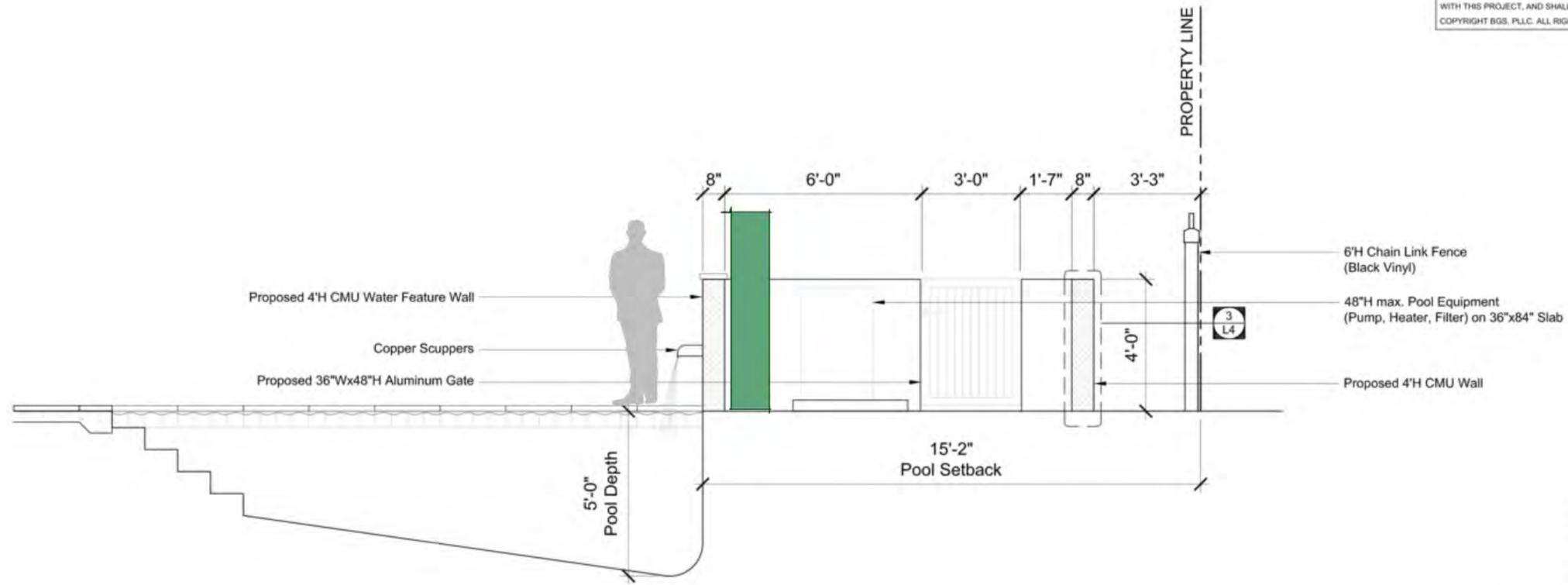


**L3**

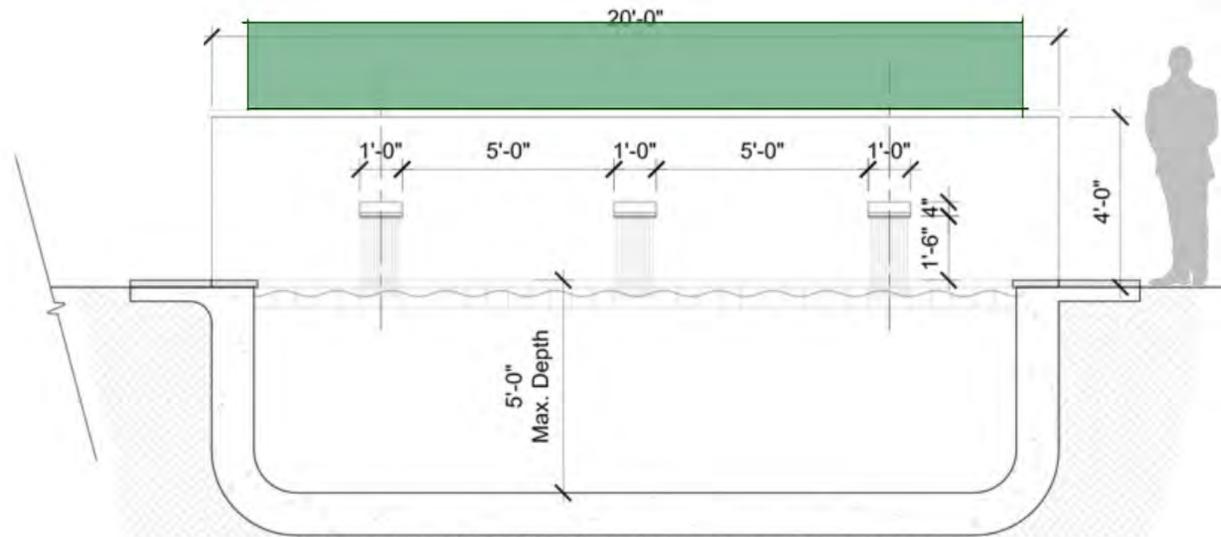


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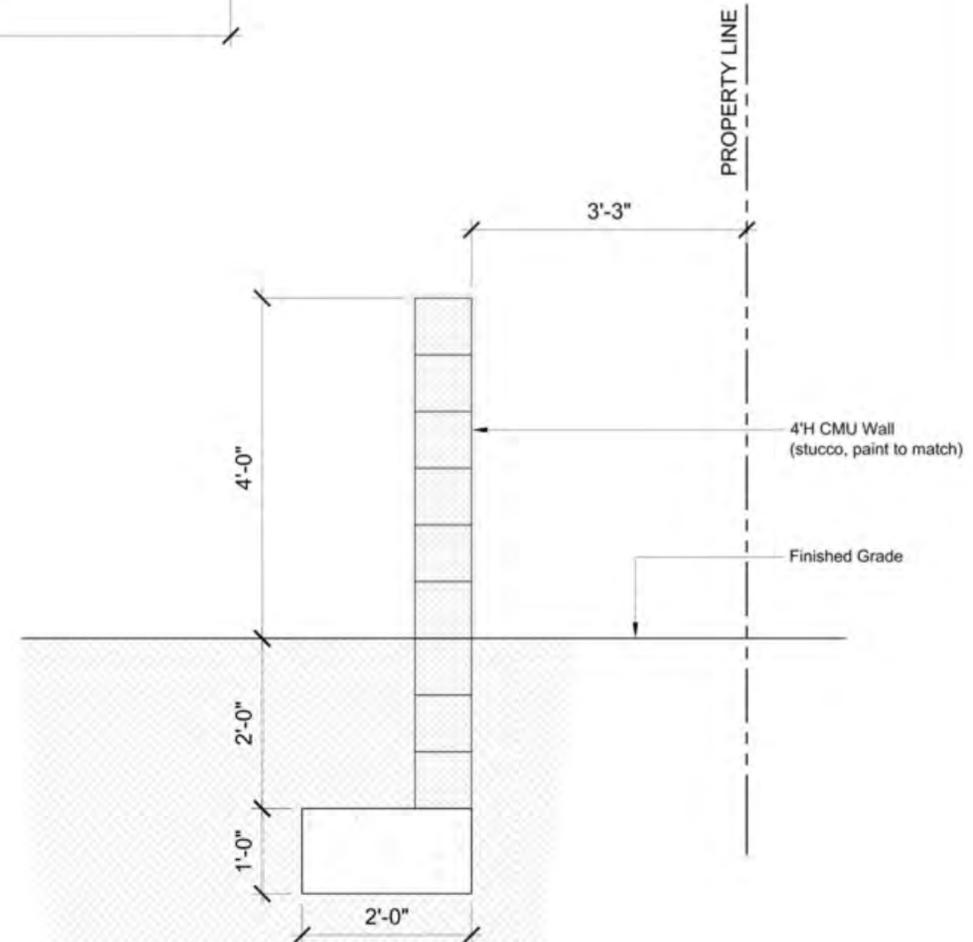
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**1**  
L4 Section @ Pool, Pool Equipment, & Walls  
1/2" = 1'-0"



**2**  
L4 Section/Elevation @ Pool & Water Feature Wall  
1/2" = 1'-0"



**3**  
L4 East Site Wall Section  
1" = 1'-0"

1 2 5 10 20

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SCALE: 1/2" = 1'-0"

SECTIONS & DETAILS

162 East Inlet Drive  
Palm Beach  
Florida

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L4

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M

Diana Royal - Tumbled

Proposed Terrace Material  
( Note: 24"x24" unit sizes)

EXTERIOR MATERIALS & FINISHES

162 East Inlet Drive  
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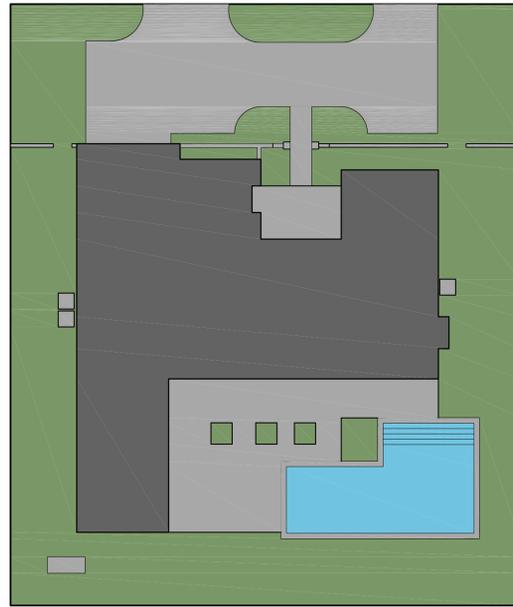
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DATE PLOTTED:  
September 5, 2023

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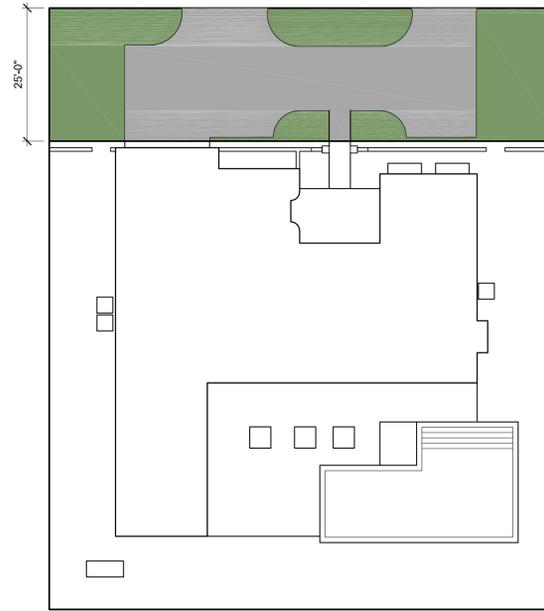
M1

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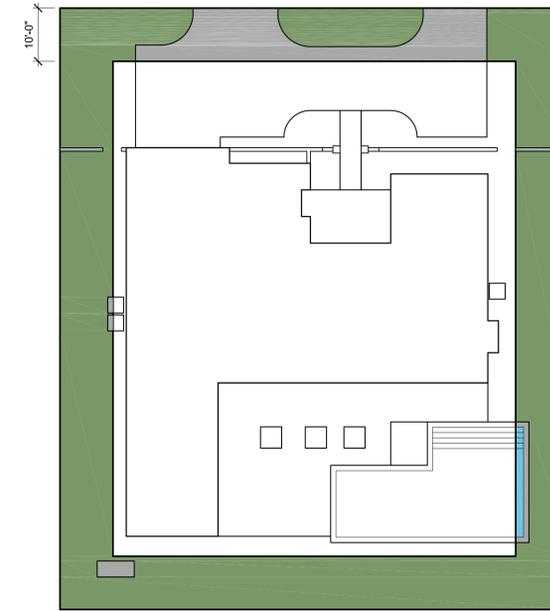
EXISTING LANDSCAPE OPEN SPACE DIAGRAM

LANDSCAPE - OVERALL		
- Required	4,881.60 SQ.FT.	45.00%
- Existing	4,590.02 SQ.FT.	42.31%



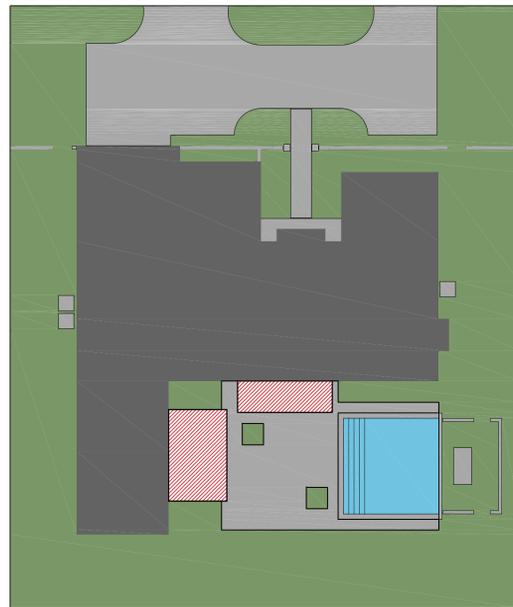
EXISTING FRONT YARD OPEN SPACE DIAGRAM

LANDSCAPE - FRONT YARD (2,400.00 SQ.FT.)		
- Required	960.00 SQ.FT.	40.00%
- Existing	1,122.87 SQ.FT.	46.79%



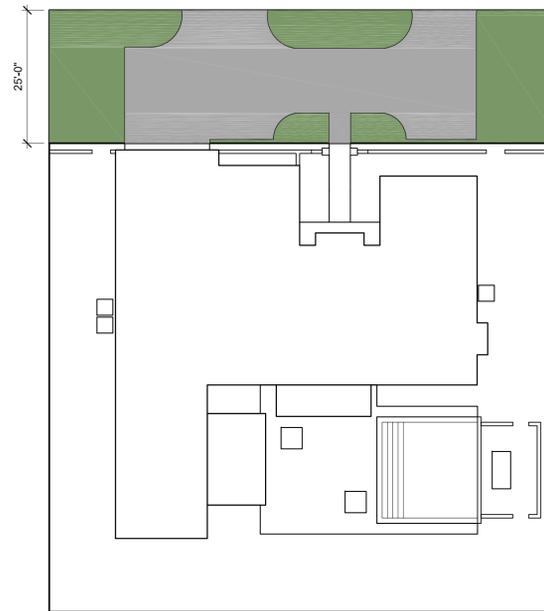
EXISTING 10' PERIMETER OPEN SPACE DIAGRAM

LANDSCAPE - 10' PERIMETER (50% of Overall Required)		
- Required	2,440.80 SQ.FT.	50.00%
- Existing	3,272.14 SQ.FT.	67.03%



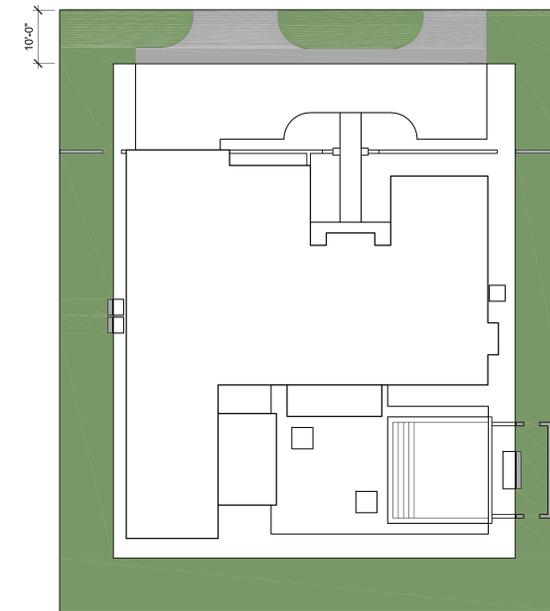
PROPOSED LANDSCAPE OPEN SPACE DIAGRAM

LANDSCAPE - OVERALL		
- Required	4,881.60 SQ.FT.	45.00%
- Proposed	4,960.05 SQ.FT.	45.72%



PROPOSED FRONT YARD OPEN SPACE DIAGRAM

LANDSCAPE - FRONT YARD (2,400.00 SQ.FT.)		
- Required	960.00 SQ.FT.	40.00%
- Proposed	1,122.87 SQ.FT.	46.79%



PROPOSED 10' PERIMETER OPEN SPACE DIAGRAM

LANDSCAPE - 10' PERIMETER (50% of Overall Required)		
- Required	2,440.80 SQ.FT.	50.00%
- Proposed	3,328.61 SQ.FT.	68.19%



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

ZONING DIAGRAMS

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September 5, 2023



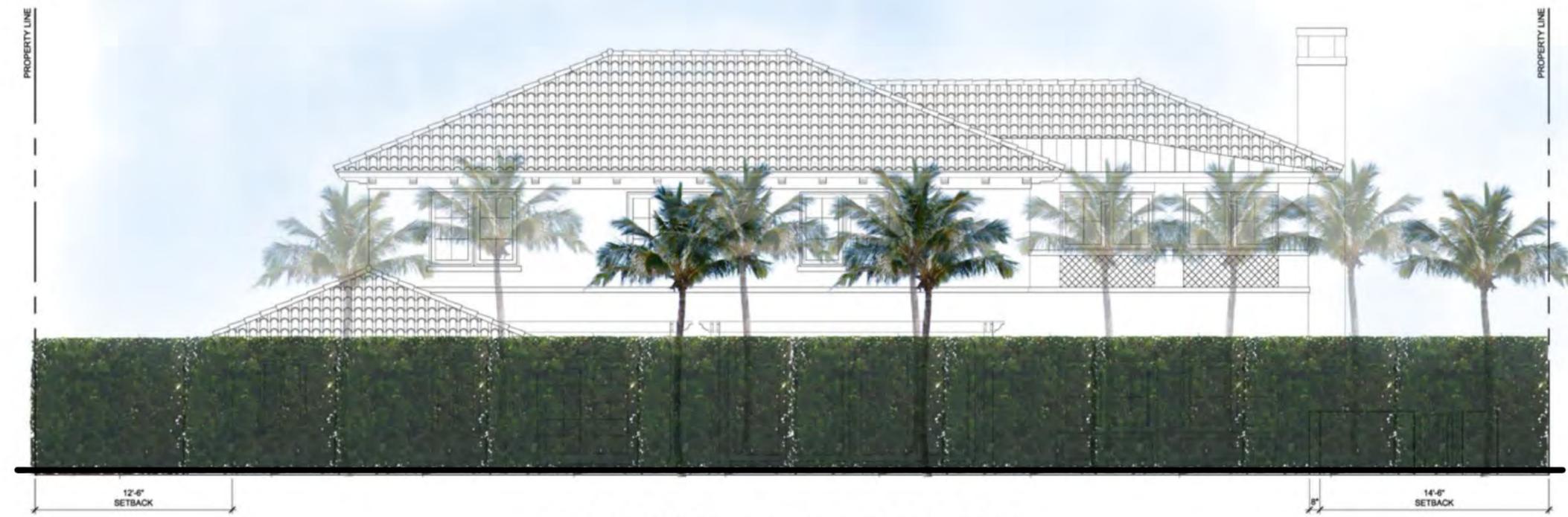
DATE PLOTTED:  
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Z1

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PROPOSED SOUTH ELEVATION



PROPOSED EAST ELEVATION

Existing Hedge to Remain



EXISTING & PROPOSED EAST ELEVATION SCALE: 1/4" = 1'-0"

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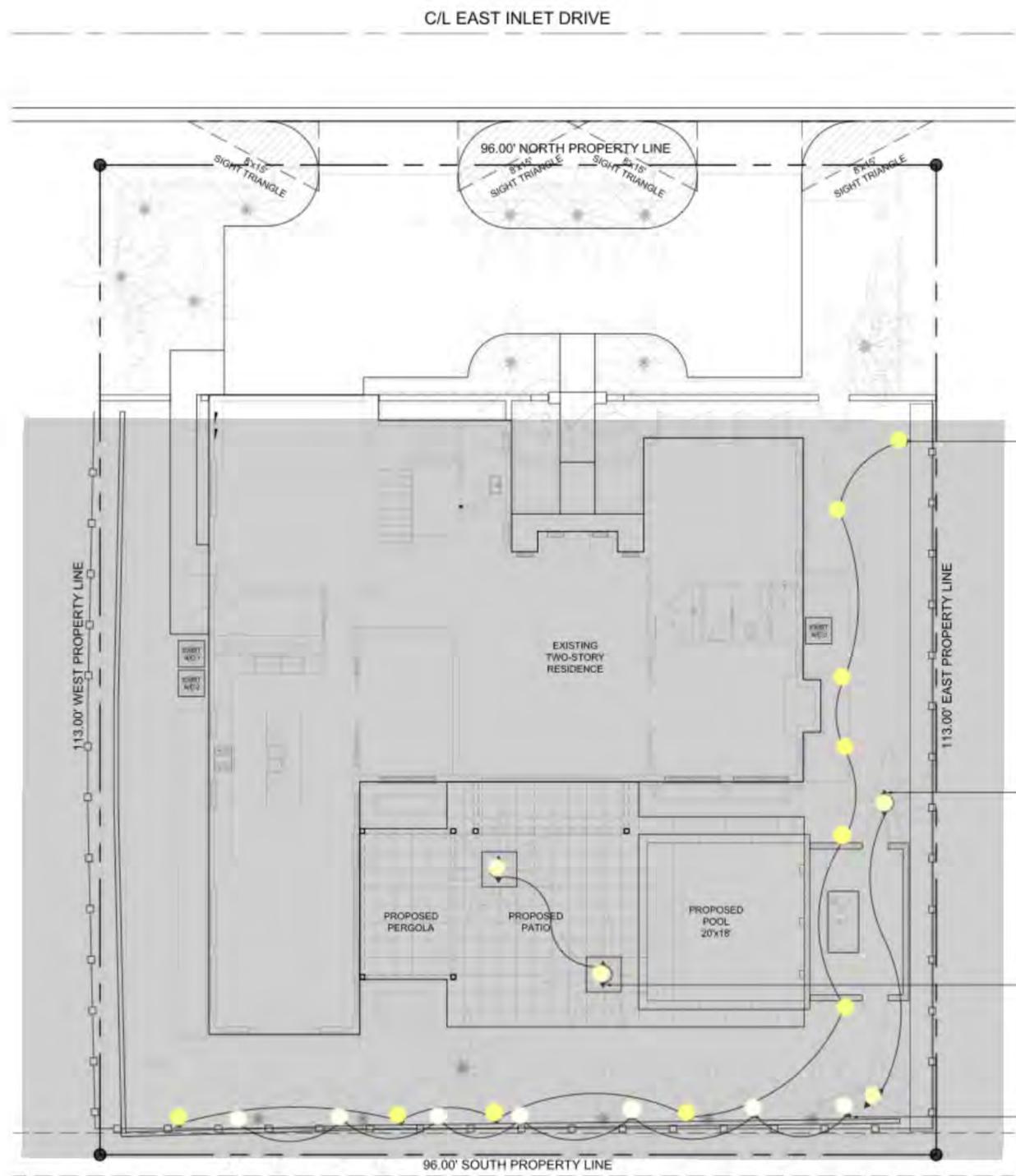
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L5

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Symbol	Qty.	Manufacturer	Model Number	Volts	Type
▲	8	WAC Lighting	5011-27BBR	12	Accent
●	10	WAC Lighting	6111-27BBR	12	Mini Accent Path
▼	7	WAC Lighting	5021-27BBR	12	Wall Wash



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PROPOSED LANDSCAPE LIGHTING PLAN

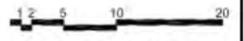
SCALE: 1/8" = 1'-0"

162 East Inlet Drive  
Palm Beach  
Florida

JOB #1015

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September 5, 2023



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SEPTEMBER 5, 2023

**LL1**

48 HOURS BEFORE DIGGING  
CALL  
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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.**  
5075 W. BECKER AVE., SUITE 305  
WEST PALM BEACH, FL 33409  
PHONE: 561.312.2041  
office@gruberengineers.com

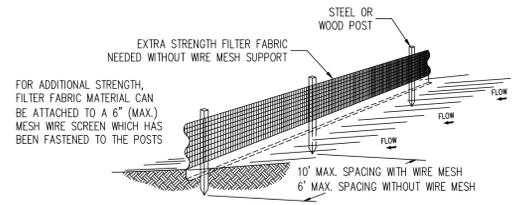
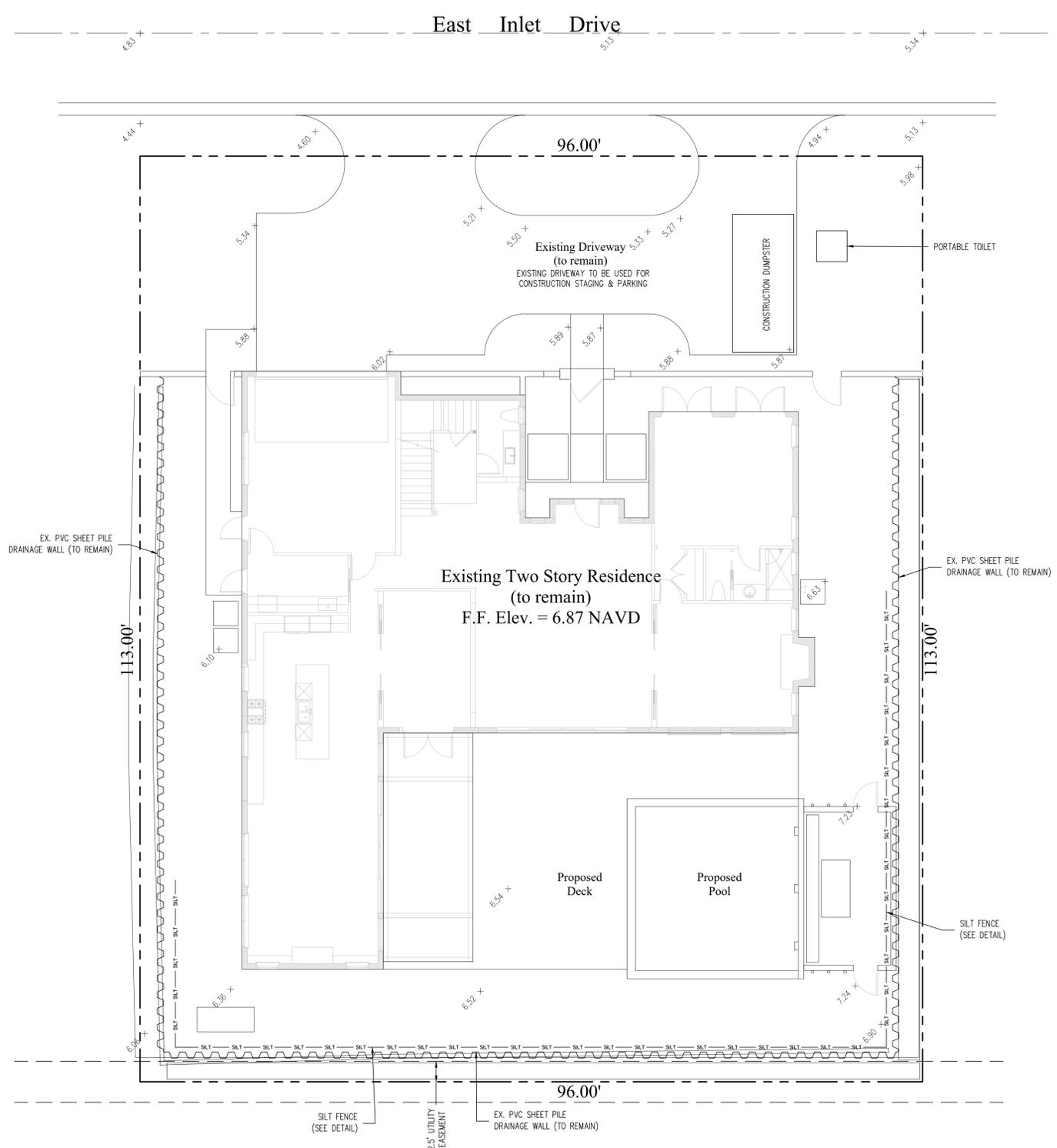
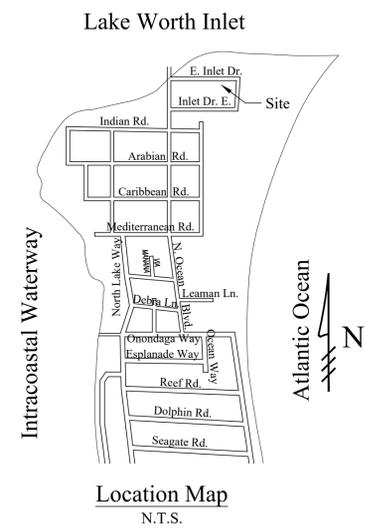
Project Information	
Project No.	2014-0066
Issue Date	07/10/2023
Scale	1/8" = 1'-0"
Drawn By	CG
Checked By	CG

Conceptual Construction Staging & Parking and Erosion Control Plan For:  
**Proposed Pool Renovation**  
Palm Beach, Florida  
162 East Inlet Drive

Revisions	
1	
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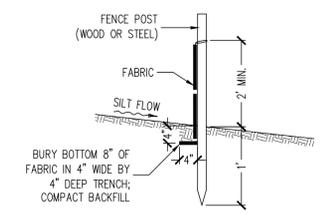
Chad M. Gruber  
FL P.E. No. 57466

Sheet No.  
**EC-1**

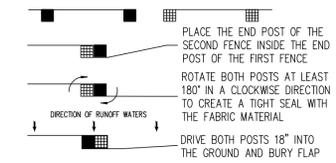


- Notes:**
- 1) The height of a silt fence shall not exceed 36".
  - 2) Filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints.
  - 3) Posts shall be spaced a maximum of 10' apart at the barrier location and driven securely into the ground a 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.

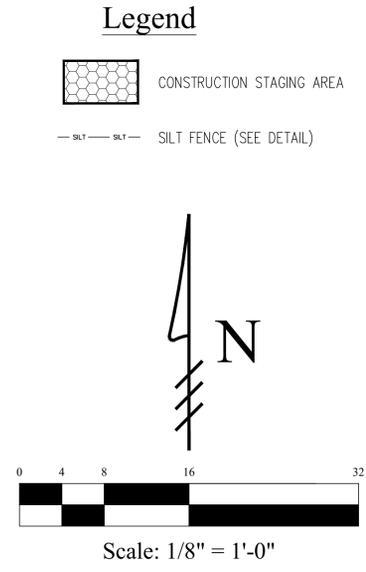


**SILT FENCE SECTION**  
N.T.S.



**ATTACHING TWO SILT FENCES**  
N.T.S.

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



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Plan Background from Hardscape Plan  
by BGS Landscape Architecture &  
Engineering Received 7/8/23  
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WEST PALM BEACH, FL 33409  
PHONE: 561.312.2041  
OFFICE: 561.312.2041  
OFFICE: @grubercs.com

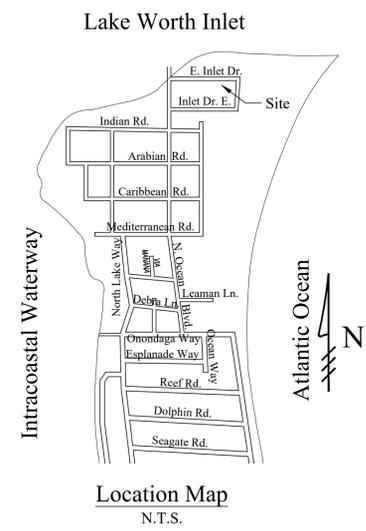
Project Information	
Project No.	2014-0066
Issue Date	07/10/2023
Scale	1/8" = 1'-0"
Drawn By	KM
Checked By	CG

Conceptual Site Grading & Drainage Plan For:  
**Proposed Pool Renovation**  
Palm Beach, Florida  
162 East Inlet Drive

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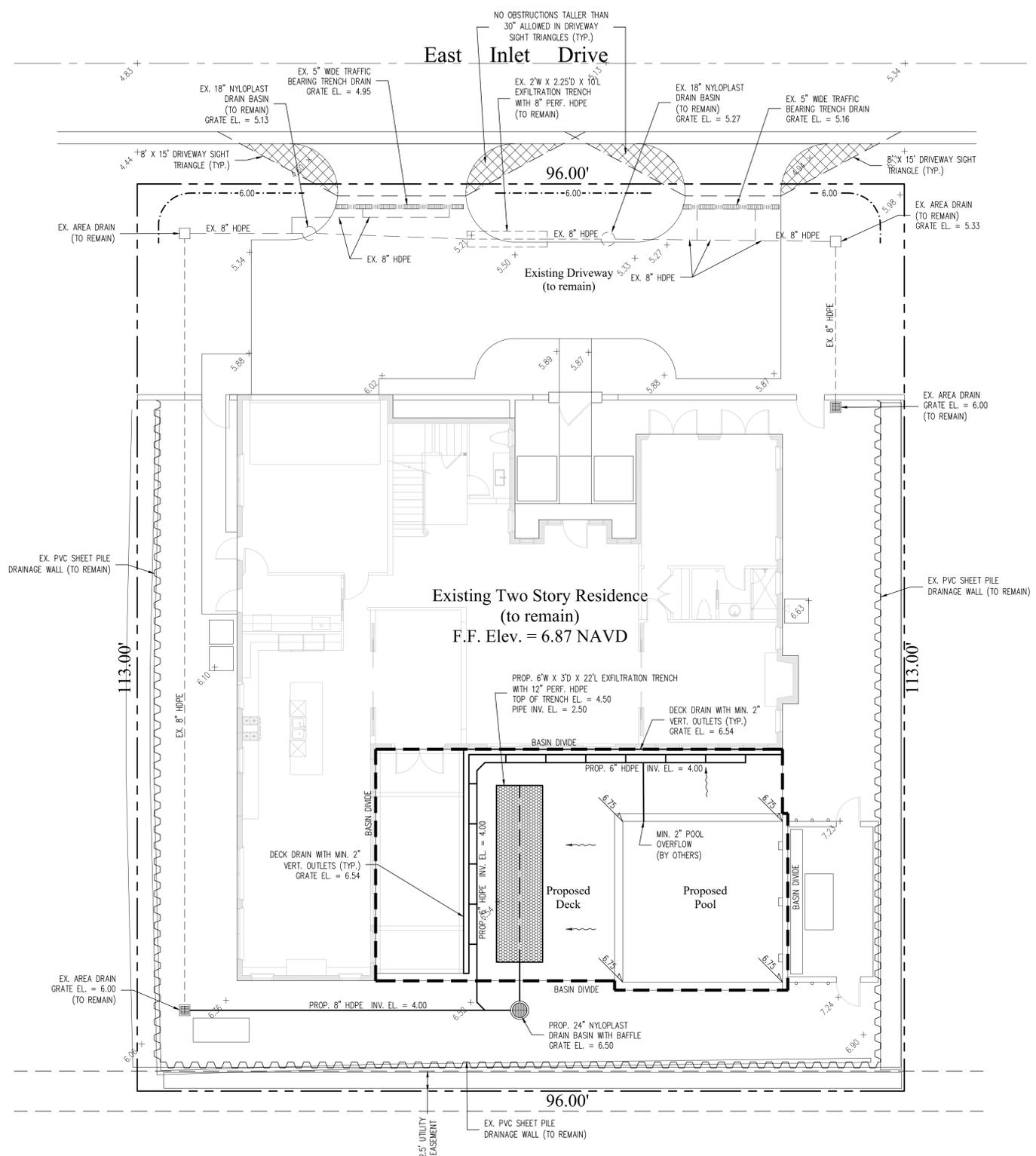
Chad M. Gruber  
FL P.E. No. 57466

Sheet No.  
**C-1**



**Legend**

- 5.7 + EXISTING ELEVATION PER MILLER LAND SURVEYING (NAVD-88)
- 6.00 - PROPOSED ELEVATION (NAVD-88)
- 7.00- PROPOSED ELEVATION CONTOUR (NAVD-88)
- FLOW DIRECTION
- EXFILTRATION TRENCH
- AREA DRAIN
- 24" NYLOPLAST DRAIN BASIN WITH BAFFLE



**STORMWATER RETENTION CALCULATIONS**

- A. SITE INFORMATION**
- Total Property Area = 10,848 sq.ft.
  - Proposed Drainage Basin Area = 1,525 sq.ft.
  - Drainage Area Impervious Surface = 1,525 sq.ft.
  - Drainage Area Pervious Surface = 0 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 1,525 sq.ft. x 1 ft./12 in. = 255 cu.ft.
- Pervious Runoff Volume:  
0.2 x 2 in/hr x 0 sq.ft. x 1 ft./12 in. = 0 cu.ft.
- Total Volume to be Retained = 255 cu.ft.
- C. EXFILTRATION TRENCH SIZING**
- Existing Exfiltration Trench
- L = Total Length of Trench Provided = 10 ft
  - W = Trench Width = 2 ft
  - K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head
  - H2 = Depth to Water Table = 3.45 ft
  - DU = Un-Saturated Trench Depth = 2.25 ft
  - DS = Saturated Trench Depth = 0.00 ft
  - V = Volume Treated = 54 cu.ft.
- Proposed Exfiltration Trench
- L = Total Length of Trench Provided = 22 ft
  - W = Trench Width = 6 ft
  - K = Hydraulic Conductivity = 0.00005 cfs/sq.ft./ft. of head
  - H2 = Depth to Water Table = 3.45 ft
  - DU = Un-Saturated Trench Depth = 2.50 ft
  - DS = Saturated Trench Depth = 0.50 ft
  - V = Volume Treated = 306 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.
- Existing storm drainage shown per stormwater system construction drawing by Tom McCarthy Consulting Engineer, Inc. dated 3/27/03.
- Existing storm drainage system to be cleaned, video inspected, re-habilitated and re-certified prior to completion of project.

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Plan Background from Hardscape Plan by BGS Landscape Architecture & Engineering Received 7/8/23  
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