

NO WETLANDS EXIST ON THIS PROPERTY (PER NJDEP'S NJ-GEOWEB).
 VERTICAL DATUM: NAVD88

LEGEND

- 103.75 = PROPOSED POOL COPING ELEVATION AND TOP OF DECK ELEVATION
- × 103.07 = PROPOSED GROUND ELEVATION
- × 103.42 = EXISTING GROUND ELEVATION
- = EXIST. TREE TO BE REMOVED
- = EXIST. TREE TO REMAIN
- = SLOPE SWALE 1.5% MIN.
- = POOL EQUIPMENT

EXISTING LOT COVERAGE	
BUILDING	1343 SF
PORCH & WALK	309 SF
DRIVE	848 SF
SHED (TO BE RELOCATED)	97 SF
REAR CONC. (TO BE REMOVED)	1020 SF
TOTAL	3617 SF
PERCENTAGE	48.2%
PROPOSED LOT COVERAGE	
BUILDING	1343 SF
PORCH & WALK	309 SF
DRIVE	848 SF
SHED (TO BE RELOCATED)	97 SF
NEW POOL & PAVERS	1897 SF
TOTAL	4494 SF
PERCENTAGE	59.9%
LOT SIZE	0.17 AC
	7500 SF

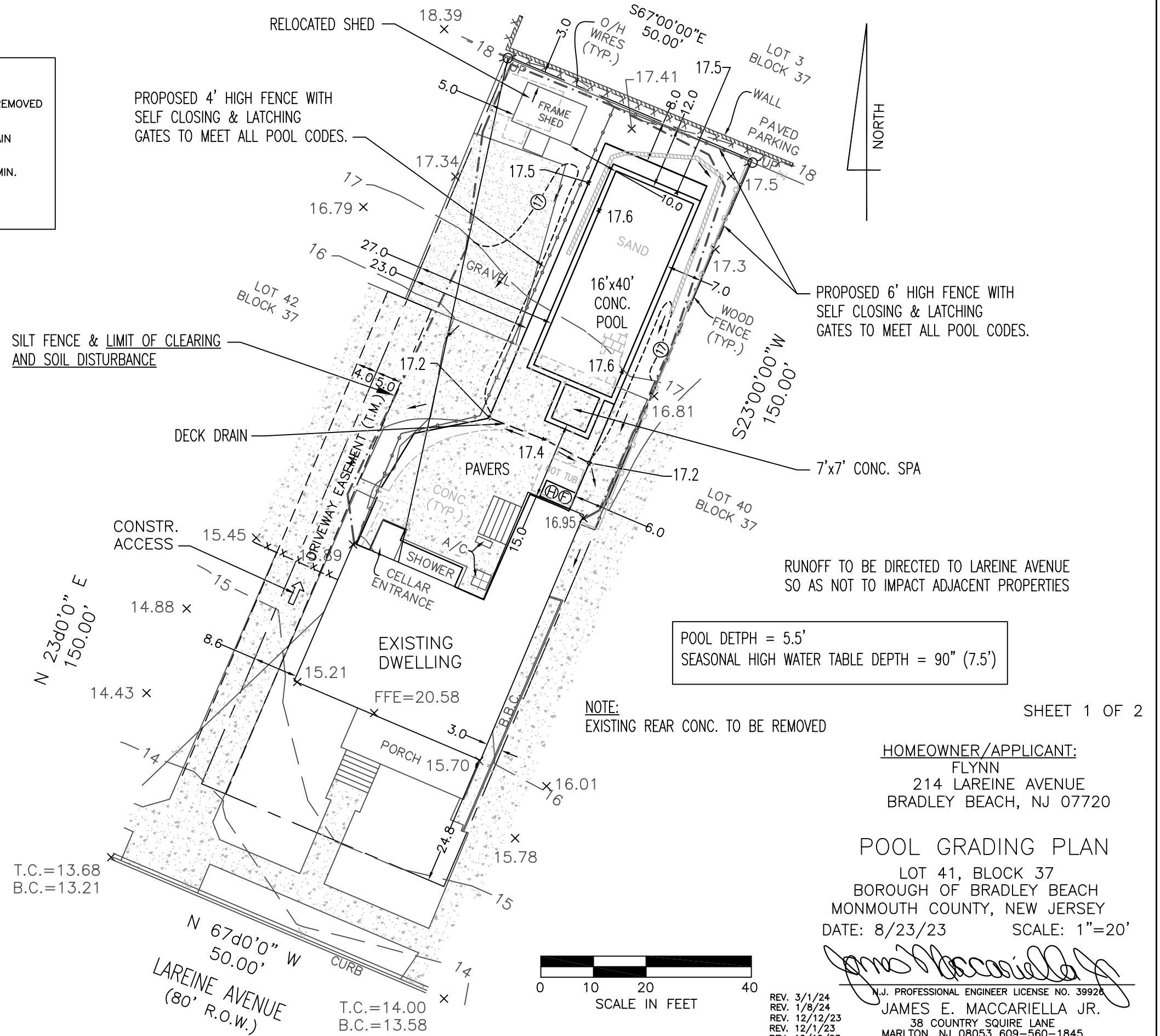
ALL UNDERGROUND FACILITIES SHALL BE LOCATED AND IDENTIFIED PRIOR TO CONSTRUCTION.

GRADE AT BUILDING CORNERS TO REMAIN UNCHANGED.

NOTE:
 SURVEY INFORMATION OBTAINED FROM
 "PLAN OF SURVEY BLOCK 37, LOT 41
 BOROUGH OF BRADLEY BEACH, MONMOUTH COUNTY"
 AS PREPARED BY DAREN C. LEEPER ON 11/13/23.

TOPOGRAPHY FROM PLAN OF SURVEY BY DAREN LEEPER, P.L.S.
 ON 8/23/23.

THE POOL CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE FINAL CONSTRUCTED CONDITIONS CONFORM TO THE INDICATED PROPOSED GRADING.



POOL DETPH = 5.5'
 SEASONAL HIGH WATER TABLE DEPTH = 90" (7.5')

NOTE:
 EXISTING REAR CONC. TO BE REMOVED

SHEET 1 OF 2

HOMEOWNER/APPLICANT:
 FLYNN
 214 LAREINE AVENUE
 BRADLEY BEACH, NJ 07720

POOL GRADING PLAN

LOT 41, BLOCK 37
 BOROUGH OF BRADLEY BEACH
 MONMOUTH COUNTY, NEW JERSEY
 DATE: 8/23/23 SCALE: 1"=20'

N.J. PROFESSIONAL ENGINEER LICENSE NO. 39926
 JAMES E. MACCARIELLA JR.
 38 COUNTRY SQUIRE LANE
 MARLTON, NJ 08053 609-560-1845



REV. 3/1/24
 REV. 1/8/24
 REV. 12/12/23
 REV. 12/1/23
 REV. 10/19/23



Geotechnical & Environmental Services
 "We Investigate Underground Soil & Water Conditions for Engineering & Environmental Purposes"
 Tulmark.com
 Call: (732) 291-5030

John Flynn
 214 Lariene Ave
 Bradley Beach, NJ

February 23, 2024

Re: 214 Lariene Ave, Bradley Beach, NJ, Depth to Seasonal High Groundwater Table.

Dear Mr. Flynn
 On 2/23/2024 Tulmark, LLC completed one soil borings to a depth of 98 inches below ground surface in order to determine depth to the seasonal high groundwater table.

Soil Boring Location	Depth Groundwater Table Inches	Depth Groundwater Table Stabilized Inches	Depth Inches Seasonal High Groundwater Table "Soil Mottling"	Total Depth of Soil Boring Inches	Date of Soil Boring
B-1	98 Inches	94 Inches	90 inches	98 Inches	2/23/2024

The groundwater table fluctuates in elevation throughout the year. Groundwater is normally at a higher elevation during the winter and spring months. During the late summer and fall the groundwater table recedes to a lower elevation. The groundwater table can fluctuate as much as 3 feet throughout the year.

Soil mottling (color streaking or blotching in the soil sample) is an indication of the seasonal high groundwater tables highest point or elevation throughout the year.

If you have any questions, please call Tulmark, LLC. at (732) 291-5030.

Sincerely,
 John C. Tully



John C. Tully
 Professional Geologist

"Impressng our clients one job at a time!"

UNIFIED SOIL CLASSIFICATION SYSTEM

Name	Group Symbols	LABORATORY CRITERIA					
		Fines (%)	Grading	Plasticity	Notes		
coarse grained (more than 50% larger than 63 µm BS or No.200 US sieve size (0.074 mm))	Gravels (more than 50% of coarse fraction of gravel size)	Well graded gravels, with little or no fines	GW	0-5	$C_u > 4$ $1 < C_c < 3$	Dual symbols if 5-12% fines. Dual symbols if above A-line and $4 < P_l < 7$	
		Poorly graded gravels, sandy gravels, with little or no fines	GP	0-5	Not satisfying GW requirements		
		Silty gravels, silty sandy gravels	GM	>12			Below A-line or $P_l < 4$
		Clayey gravels, clayey sandy gravels	GC	>12			Above A-line and $P_l > 7$
		Sands (more than 50% of coarse fraction of sand size)	Well graded sands, gravelly sands, with little or no fines	SW	0-5		$C_u > 6$ $1 < C_c < 3$
			Poorly graded sands, gravelly sands, with little or no fines	SP	0-5		Not satisfying SW requirements
fine grained (more than 50% smaller than 63 µm BS or No.200 US sieve size (0.074 mm))	Silts and Clays (liquid limit less than 50)	Inorganic silts, silty or clayey fine sands, with slight plasticity	ML			Use plasticity chart	
		Inorganic clays, silty clays, sandy clays of low plasticity	CL				
		Organic silts and organic silty clays of low plasticity	OL				
		Silts and Clays (liquid limit greater than 50)	Inorganic silts of high plasticity	MH			
		Inorganic clays of high plasticity	CH			Use plasticity chart	
		Organic clays of high plasticity	OH				
Highly organic soils		Peat and other highly organic soils	Pt			Use plasticity chart	

Field Soil Boring Log
 Date: 2/23/24
 Soil Boring Location: B-1 City: Bradley Beach
 Job Name: John Flynn
 Address: 214 Lariene Ave

Boring Depth Inches	Color Soil	Soil Type Sand, Silt, Clay, Gravel	Texture Class	USCS	Structure Rounded, Flat, Angular	Depth to H2o Inches	DSHWT Mottling Inches
0-12"	Brown	Top Solid	Top Soil	SP	Rounded		
12"-17"	White	Sandy Loam	Sand	SP	Rounded		
17"-36"	Lt. Brown	Sandy Loam	Sand	SP	Rounded		
36"-54"	Lt. Yellow	Sandy Loam	Sand	SP	Rounded		
54"-90"	Lt. Brown	Sandy Loam	Rocky Sand	SP	Rounded		50 Inch
90"-98"	Lt. Brown	Sandy Loam	Rocky Sand	SP	Rounded	98 Inch	

Color:
 Gray
 Brown
 Yellow Brown
 Lt Yellow
 Reddish Brown
 Red
 White
 Black

Texture Class:
 Loamy Sand
 Sandy Loam
 Silt Loam
 Loam
 Sandy Clay Loam
 Silty Clay Loam
 Clay Loam
 Sandy Clay
 Silty Clay
 Clay

USCS:
 SW
 SP
 SM (Silty Sand)
 SC
 ML
 CL
 OL
 MH
 CH
 OH
 Pt

N/E = Not Encountered
N/A = Not Applicable

SHEET 2 OF 2

HOMEOWNER/APPLICANT:
 FLYNN
 214 LAREINE AVENUE
 BRADLEY BEACH, NJ 07720

POOL GRADING PLAN
 LOT 41, BLOCK 37
 BOROUGH OF BRADLEY BEACH
 MONMOUTH COUNTY, NEW JERSEY
 DATE: 8/23/23

REV. 3/1/24
 REV. 1/8/24
 REV. 12/12/23
 REV. 12/1/23
 REV. 10/19/23