

Application Number _____ Date _____

RECHARGE SUITABILITY BORING
SOIL LOG & INTERPRETATION - Form

Municipality: Block 22 Lot 22 614 Fourth Ave., Bradley Beach, New Jersey

1. Log Number: B-1 Method (Check One): ☐ Profile Pit ☒ Boring

2. Soil Log DATE SOIL LOG CONDUCTED: 5/22/2022

3. Depth (Inches) 108"-120" Material Color Name & Symbol: Estimated Textural Class, Estimated Volume % Coarse Fragment, if present, Moist or Dry Consistency, Mottling - Abundance, Size & Contrast, if present.

Top - Bottom

0"-24" Brown (7.5YR/YR 8/1), Topsoil, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

24"-36" Red Brown (7.5YR/YR 7/1), Poorly Graded Gravelly Sand, SP, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

36"-48" Lt. Brown (10YR/YR 8/1), Poorly Graded Gravelly Sand, SP, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

48"-64" Brown (5YR/YR 4/1), Poorly Graded Gravelly Sand, SP, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

64"-108" Dark Yellow (7.5YR/YR 3/1), Poorly Graded Gravelly Sand, SP, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

108"-120" Lt. Brown (7.5YR/YR 6/1), Poorly Graded Gravelly Sand, SP, Texture Class, Loamy Sand, 0% Coarse Fragment, Dry Consistency.

3. Ground Water Observations:

☐ Seepage - Indicated Depth _____

☐ Piezometer Flooded - Depth (ft) after 24 Hours _____ Minutes _____

☒ Groundwater Not Encountered.

4. Soil Limiting Zones (Check Appropriate Categories):

☐ Fractured Rock Substratum - Depth to Top _____

☐ Seasonally Coarse Substratum - Depth to Top _____

☐ Hydrologically Restrictive Horizon - Depth to Top _____

☐ Perched Zone of Saturation - Depth to Top _____

☐ Seasonal Rock Substratum - Depth to Top _____

☐ Seasonally Coarse Substratum - Depth to Top _____

☐ Hydrologically Restrictive Substratum - Depth to Top _____

☐ Regional Zone of Saturation - Depth to Top _____ (A.K.A. SEASONAL HIGH-WATER TABLE)

☒ Groundwater Not Encountered in Soil Boring.

5. Soil Suitability Classification:

6. I hereby certify that the information furnished on this form (and the attachments thereto) is true and accurate.

Signature of Site Evaluator: [Signature] Date: 5/22/2022

SOIL LOG

PRIMARY HOUSE RIDGE HEIGHT CALCULATION

24.59 (GRADE ELEV.)
24.75 (GRADE ELEV.)
24.45 (GRADE ELEV.)
24.43 (GRADE ELEV.)
24.02 (GRADE ELEV.)
23.95 (GRADE ELEV.)

146.19/6=24.37 (AVG. GRADE ELEV.)
60.41 (RIDGE ELEV.)-24.37 (AVG. GRADE)=36.04'

EXISTING AREA CALCULATIONS

LOT AREA=8,763 s.f.

DWELLING=1,076.57 SF.
COV. PORCH=473.42 SF.
REAR DWELLING=722.92 SF.

LOT COVERAGE, BUILDING=2,272.91 SF. (25.93%)

DWELLING=1,076.57 SF.
COV. PORCH=473.42 SF.
REAR DWELLING=722.92 SF.
CONC. WALK (FRONT & WEST SIDE)=193.79 SF.
FRONT STEPS=27.41 SF.
DRIVEWAY AND CURB=980.09 SF.
CONC. PAD (WEST)=11.32 SF.
BRICK WALK (WEST)=36.37 SF.
REAR PORCH (FRONT DWELLING)=28.40 SF.
REAR CONC. PAVERS 213.95 SF.
CONC. WALK (REAR)=113.95 SF.
REAR STAIRWAY 74.74 SF.
CHIMNEY (REAR DWELLING)=1.68 SF.
REAR DECK (REAR DWELLING)=36.08 SF.

LOT COVERAGE, IMPERVIOUS=3,990.69 SF. (45.54%)

PROPOSED AREA CALCULATIONS

LOT AREA=8,763 s.f.

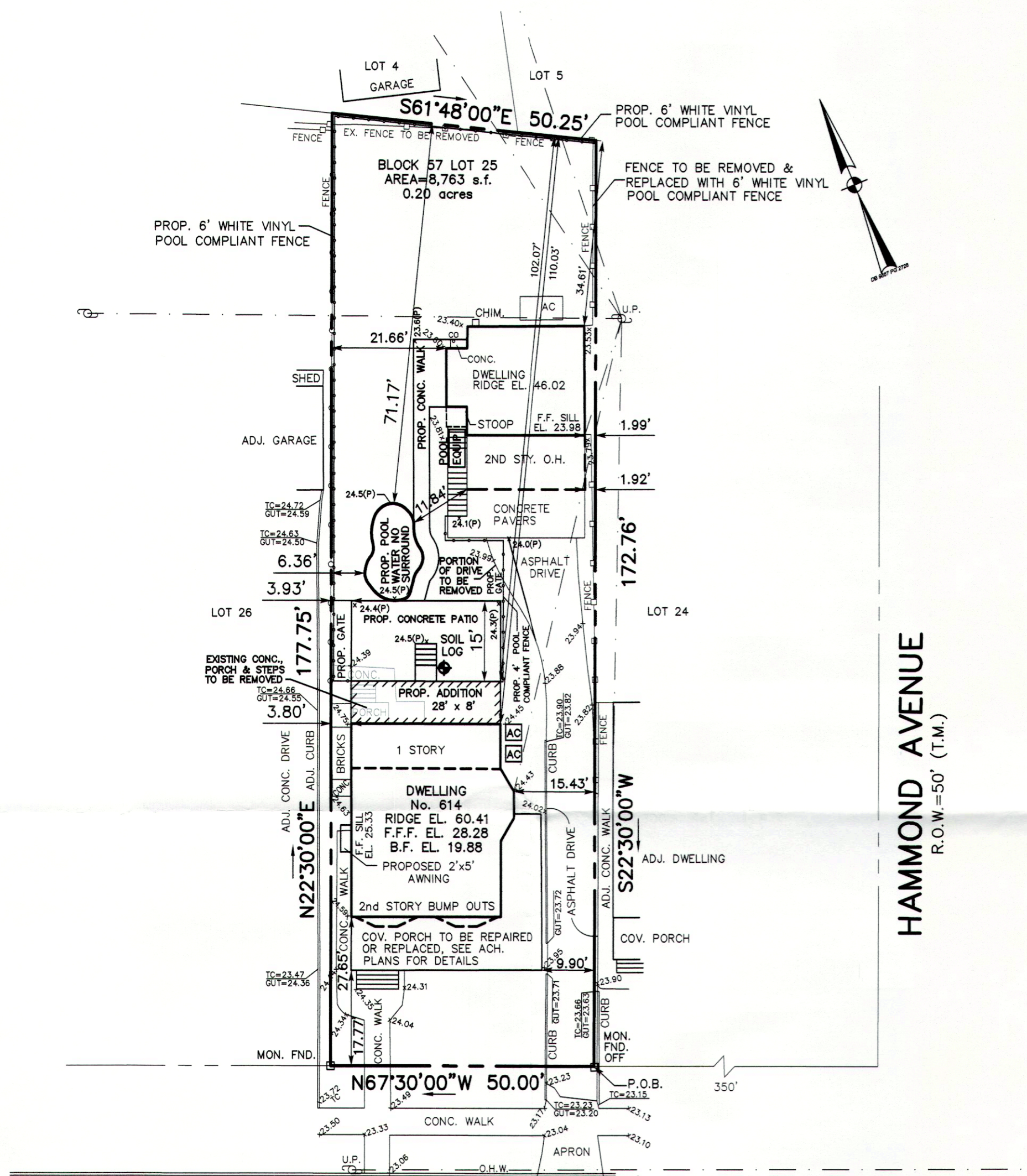
ADDITION=224.00 SF.
DWELLING=1,076.57 SF.
COV. PORCH=473.42 SF.
REAR DWELLING=722.92 SF.

LOT COVERAGE, BUILDING=2,496.91 SF. (28.5%)

ADDITION=224.00 SF.
DWELLING=1,076.57 SF.
COV. PORCH=473.42 SF.
REAR DWELLING=722.92 SF.
CONC. WALK (FRONT & WEST SIDE)=193.79 SF.
FRONT STEPS=27.41 SF.
DRIVEWAY=938.30 SF.
CONC. PAD (WEST)=11.32 SF.
BRICK WALK (WEST)=36.37 SF.
REAR STAIRWAY=12.00 SF.
PATIO=395.46 SF.
REAR STEPS=16.00 SF.
REAR AC=36.08 SF.
CHIMNEY (REAR DWELLING)=1.68 SF.
CONC. WALK=193.51 SF.
REAR DWELLING STEPS=75.00 SF.
CONC. PAVERS=213.95 SF.

LOT COVERAGE, IMPERVIOUS=4,650.58 SF. (53.07%)

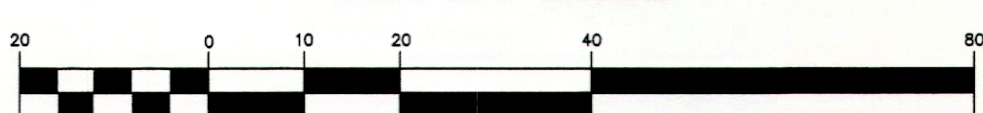
POOL NOT INCLUDED=142 SF.



FOURTH AVENUE

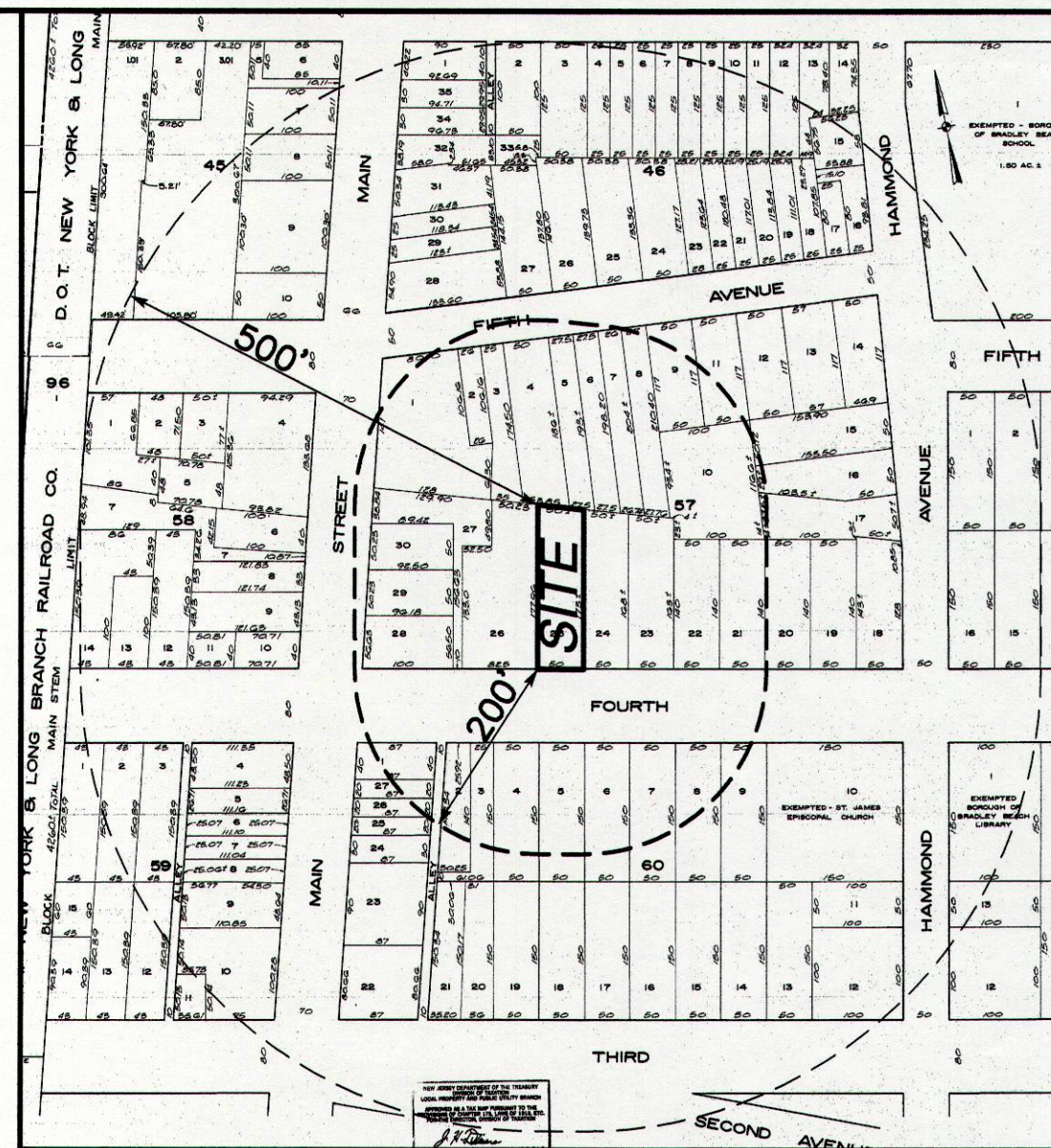
R.O.W.=80' (T.V.)

GRAPHIC SCALE



(IN FEET)

1 inch = 20 ft.



LOCATION MAP

SCALE: 1"=200'

REFERENCE PLANS

1. "SURVEY OF PROPERTY," DATED 12/02/2021, REVISED 03/29/2022
PREPARED BY LANDMARK SURVEYING & ENGINEERING, INC.
SIGNED BY RODOLFO PIERRI, PROFESSIONAL LAND SURVEYOR - N.J. LIC. No. 246503860600

TAX MAP DATA

LOT: 25
BLOCK: 57
SHEET: 11
BOROUGH OF BRADLEY BEACH TAX MAP

LOT AREA SUMMARY

EXISTING LOT 25 = 8,763 sf./0.20 ac.

GENERAL NOTES:

- PROPERTY IS KNOWN AND DESIGNATED AS LOT 25 BLOCK 57 AS SHOWN ON TAX MAP SHEET NO. 11 OF THE BOROUGH OF BRADLEY BEACH.
- TOTAL AREA OF LOT 25 = 8,763 sf./0.2 ac.
- PROPERTY LOCATED IN ZONE R-1 - RESIDENTIAL SINGLE-FAMILY.
- OWNER/APPLICANT: STEVEN & KAREN PETRUCELLI
614 FOURTH AVENUE
BRADLEY BEACH, NJ 07720
- OUTBOUND SURVEY & TOPOGRAPHY BY LANDMARK SURVEYING & ENGINEERING, INC., DATED 12/2/2021, REVISED 03/29/2022
- 48 HOUR NOTICE IS REQUIRED TO THE ENGINEERS OFFICE PRIOR TO THE START OF CONSTRUCTION.
- THIS PROJECT CONSISTS OF CONSTRUCTION OF AN ADDITION, PATIO, POOL, FENCING, POOL EQUIPMENT, AIR CONDITIONERS AND MODIFICATION OF AN EXISTING DRIVEWAY AND NO CHANGE TO GRADING.
- ALL UNDERGROUND UTILITIES TO REMAIN.
- ANY REQUIRED DISTURBANCE TO ROAD, WALKS & CURBS WILL BE REPAIRED OR REPLACED IN ACCORDANCE WITH THE BOROUGH STANDARDS UTILIZING INFRARED TREATMENT OF THE TRENCH REPAIR ALONG ALL EDGES OF THE TRENCHES.
- SUBJECT TO THE DISCRETION OF THE CONSTRUCTION OFFICIAL, THE EXISTING SIDEWALK, CURBING AND ASPHALT WILL BE REPAIRED AND/OR REPLACED.
- ANY WORK WITHIN THE BOROUGH RIGHT OF WAY INCLUDING BUT NOT LIMITED TO DRIVEWAY, CURB, SIDEWALK, UTILITIES, ETC. REQUIRES A BOROUGH ROAD OPENING PERMIT.
- SETBACK DIMENSIONS ARE MEASURED TO THE SIDING.
- TOPOGRAPHY BASED ON ASSUMED DATUM.
- THIS PLAN IS BASED ON ARCHITECTURAL PLAN PREPARED BY TOM PETERSEN, AIA.
- ALL POOL DETAILS SHALL BE PROVIDED AT THE TIME OF BUILDING PERMIT APPLICATION.
- THE PROPOSED POOL SHALL COMPLY WITH ALL BOROUGH ZONING AND BUILDING REQUIREMENTS.

ZONING DATA

ZONE: R-1 RESIDENTIAL SINGLE-FAMILY	REQUIRED	EXISTING	PROPOSED
PRINCIPAL BUILDING #1: USE:	1 SINGLE FAMILY	2 SINGLE FAMILY**	2 SINGLE FAMILY**
MIN. LOT AREA (SF.):	5,000 sf.	8,763 sf.	8,763 sf.
MIN. LOT WIDTH (FT.):	50 ft.	50 ft.	50 ft.
MIN. LOT DEPTH (FT.):	100 ft.	175.25 ft.	175.25 ft.
MIN. FRONT YARD (TO DWL.):	25.0 ft.	27.65 ft.	27.65 ft.
MIN. FRONT YARD (TO PORCH):	15.0 ft.	17.77 ft.	17.77 ft.
MIN. SIDE YARD W (FT.)10% OF LOT WIDTH	5.0 ft.	3.80 ft. **	3.80 ft. **
MIN. SIDE YARD E (FT.)20% OF LOT WIDTH	10.0 ft.	15.43 ft.	15.43 ft.
MIN. REAR YARD (FT.):	25.0 ft.	110.03 ft.	102.07 ft.
MAX. BUILDING HEIGHT (FT./ST.):	35.0 ft./2.5 STORY	35.97 ft.**/2.5 STORY	35.97 ft.**/2.5 STORY
MAX. BUILDING COVERAGE (%):	35%	25.93%	28.5%
MAX. IMPERVIOUS COVERAGE (%):	60%	45.64%	53.07%
MIN. OFF-STREET PARKING:	2 SPACES/DWELLING	4 SPACES	4 SPACES
DRIVEWAY BUFFER:	3.0 ft.	0 ft.**	0 ft.**
PRINCIPAL BUILDING #2: USE:	GARAGE APT	GARAGE APT	GARAGE APT
MAX. BUILDING AREA (SF.) GARAGE	800.0 sf.	497.0 sf.	497.0 sf.
MAX. BUILDING AREA (SF.) APARTMENT	600.0 sf.	722.92 sf.	722.92 sf.
MIN. REAR YARD (FT.):	5.0 ft.	34.61 ft.	34.61 ft.
MIN. SIDE YARD (FT.):	5.0 ft.	1.92 ft.**	1.92 ft.**
MAX. BUILDING HEIGHT	25.0 ft.	23.39 ft.	23.39 ft.
ACCESSORY USE:	POOL	POOL	POOL
MAX. BUILDING AREA (SF.)	350 sf.	N.A.	142.0 sf.
MIN. REAR YARD (FT.):	6.0 ft.	71.17 ft.	71.17 ft.
MIN. SIDE YARD (FT.):	6.0 ft.	6.36 ft.	6.36 ft.

** PREEXISTING NON-CONFORMING

NOTE: EXISTING GRADES TO REMAIN UNCHANGED

1	ADD PROPOSED GRADES, POOL NOTES & COMPLIANCE FENCE NOTES	5/25/22	TG
REV.	DESCRIPTION	DATE	BY

[Signature]

DANIEL W. CARUSO, P.E.
N.J. PROFESSIONAL ENGINEER - GE35667

PLOT PLAN
LOCATED AT
614 FOURTH AVENUE
LOT 25, BLOCK 57, on T.M. SHEET #11
situate in
BOROUGH OF BRADLEY BEACH
MONMOUTH COUNTY NEW JERSEY

LANDMARK
SURVEYING AND ENGINEERING, INC.
813 Main Street
Avon-by-the-Sea, New Jersey 07717
Tel: (732)775-8558 - Fax: (732)775-7848
CERT. OF AUTH. #24GA27929700
Email: Landmarkse@Optimum.net
Web: www.Landmarkse.net

SCALE: 1"=20' DATE: 03/23/2022
SHEET #: 1 OF 1 DRAWING: 21153PP-2 JOB #: 21153