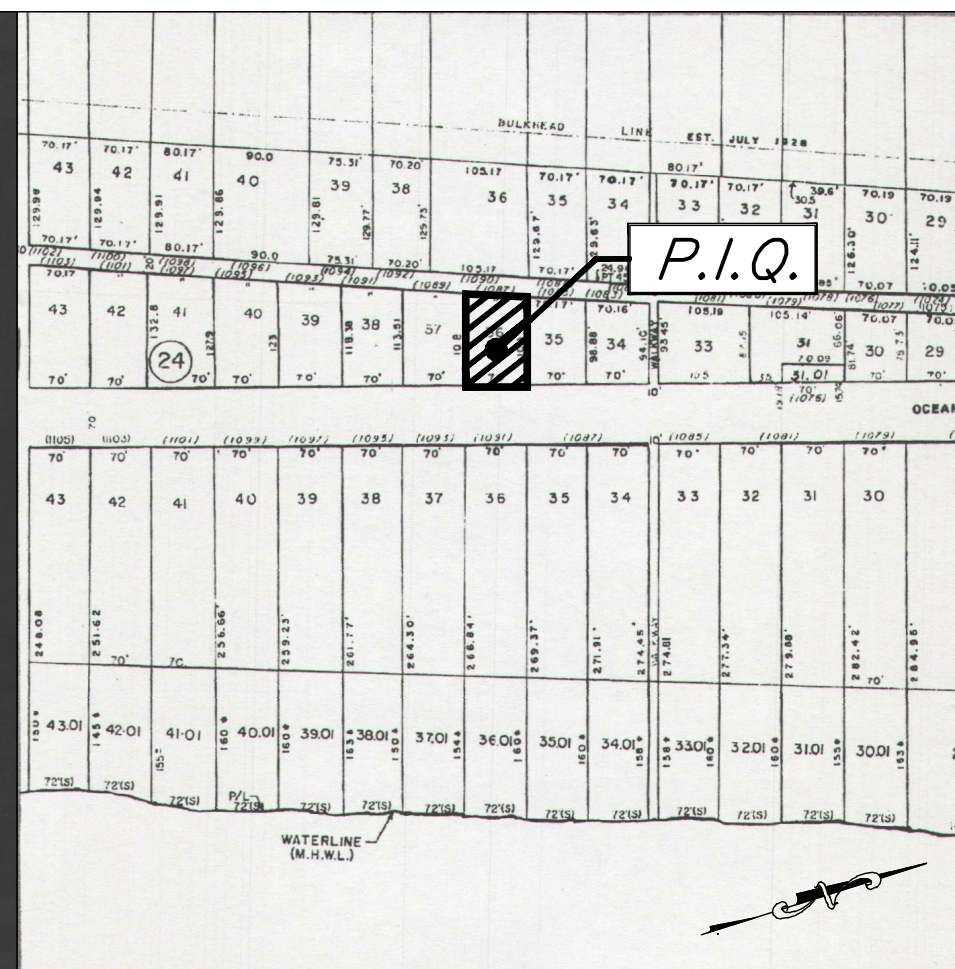


SOIL BORING LOG

- 0 - 1'0" Grayish brown sand and top soil with gravel, 10 YR 5/2
- 1'0" - 2'0" Light gray sand with gravel, 10 YR 7/1
- 2'0" - 3'0" Light brownish gray sand, damp to wet, 10 YR 6/2
- 3'0" - 3'5" Gray wet sand, 10 YR 6/1
- 3'5" - 6'5" Gray wet sand, 10 YR 5/1
- 6'5" + Soil irretrievable

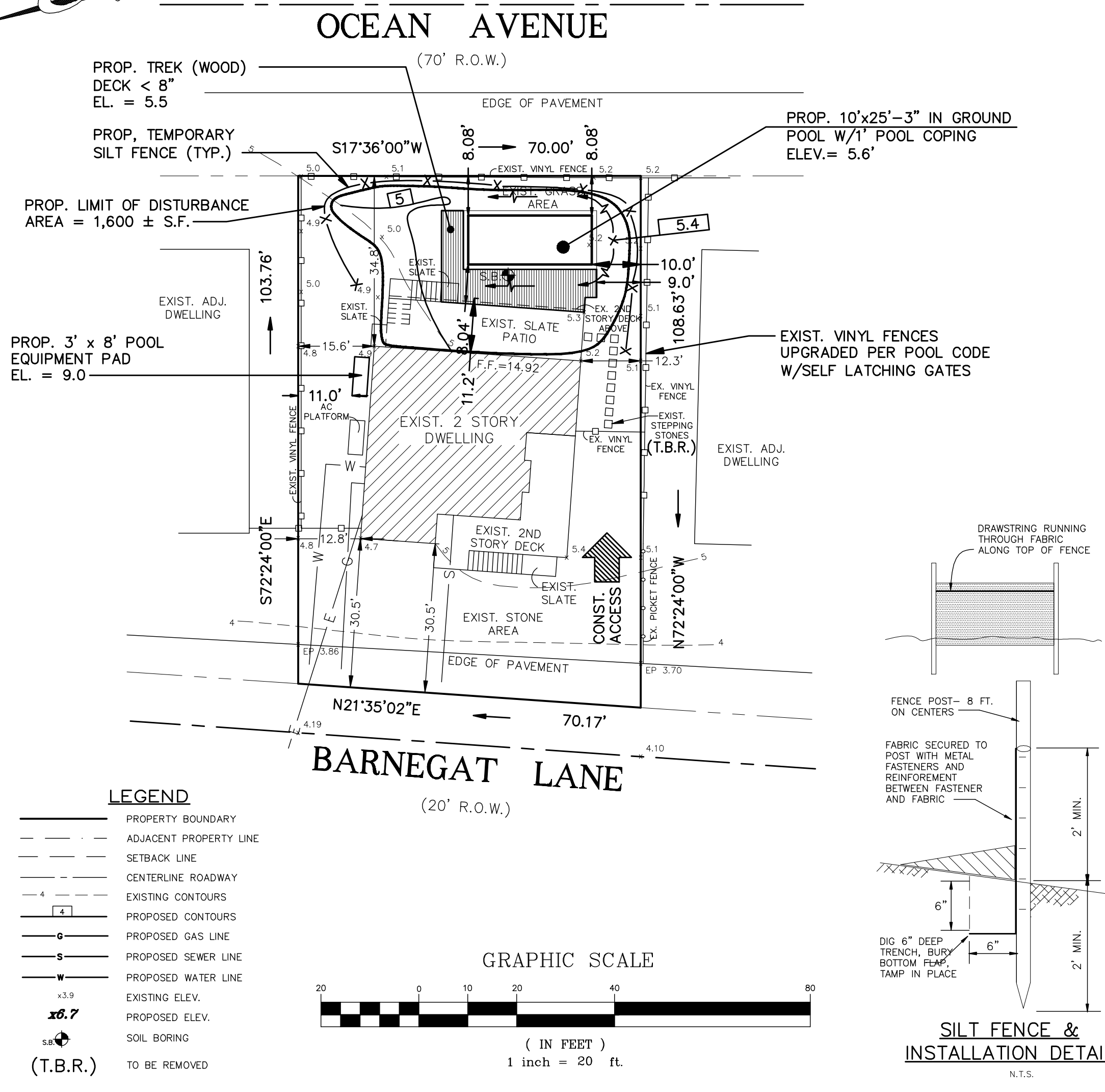
Boring performed on 3/5/20
 Boring performed: Pool Footprint
 Seasonal high water indicated at 2'4"
 Standing water encountered at 2'11"
 Boring performed by RC Burdick PE PP PC



AREAL MAP
 Scale: 1" = 200'±

VICINITY & ZONING MAP
 Scale: 1" = 200'±

KEY MAP
 Scale: 1" = 2000'±



- GENERAL NOTES**
- Owners and Applicants: Jason and Kathryn O'Connor
 1087 Barnegat Lane
 Mantoloking, N.J. 08738
 - Property known as lot 36, Block 24 as shown on tax map sheet No. 2 of the Borough of Mantoloking, Ocean County, New Jersey tax maps.
 - Plan based on:
 - "Map of Final Survey for Tax Lot 36 Tax Block 24 Borough of Mantoloking, Ocean County, New Jersey" prepared by George W. Henn Inc., signed by Mr. Walter Scharfenberg, NJPLS No 14159 and dated 6/24/15.
 - Topography verified by RC Burdick PE PP PC by Mr. Stan Hans Jr., NJPLS No. 29182 and performed 1/30/2020.
 - Zoning: R-5A, Single Family Residential Zone (Interior Lots)

	Required	Existing	Proposed
Minimum Lot Area	7,500 sf	7,433.5 sf*	7,433.5 sf*
Minimum Lot Frontage	60'	70'	70'
Minimum Lot Depth	100'	106'	106'
Minimum Setbacks			
Principal			
Front	25.0'	30.5'	30.5'
Side	10'	12.3'	12.3'
Rear	25'	34.8'	34.8'
Accessory Pool			
Front	25'	N/A	87'
Side	10'	N/A	10'
Side Coping	10'	N/A	9'***
Rear	25'	N/A	8.08'***
Rear Coping	10'	N/A	7.08'***
Minimum FF EL.	12.0	14.92	14.92
Maximum Lot Cov. By Structure	2230 sf	2221.4 sf	2294 sf**
Maximum Total Impervious Cov.	3345 sf	2293.4 sf	2924 sf
Maximum Building Vertical Envelope			
Principal Building	30'	Conform	Conform
Accessory Building	15'	N/A	N/A
- * Pre existing non conformity to remain
 ** Proposed Variance
- Approval requested to construct and in ground swimming pool for a single family home within the R-5A zone. Plan appears to require variances for rear yard setback of 8.08' vs. 25' required to pool, 7.08' rear yard setback to pool coping vs. 10' required, side yard setback of 9' to pool coping vs. 10' required and maximum lot coverage by structure of 2294 sf vs. 2230 sf allowed. Property also contains a pre existing non conformity of 7,433.5 sf in area where 7,500 sf is required.
 - Property located within FEMA Flood Zones AE, 100 years water surface elevation 8 per FEMA Preliminary Maps updated through 10/11/19.
 - All utilities provided by connection to existing public or municipal utilities adjacent to the site. All proposed utilities to be underground.
 - All construction shall be in conformance with Borough of Mantoloking and FEMA construction code standards.
 - Vertical Datum 1988 NAVD. Survey error of closure more accurate than 1 : 15,000.
- Lot Coverage by Structure Calculation:

Existing	Proposed
House/Front Deck/Rear Deck	2,138 sf
Front Steps	44 sf
Rear Steps	37 sf
Front and Rear Step Exclusion	81 sf
AC Platform	21 sf
Stepping Stones (10 x 2.4 sf x 0.8)	19.2 sf
Slate Landings (54 x 0.8)	43.2 sf
Total Coverage by Structure	2,221.4 sf
Total Allowable	2,230 sf
 - Total Lot Coverage Calculation:

Existing	Proposed
Lot Coverage by Structure	2,221.4 sf
Steps	81 sf
Total Impervious	2,293.4 sf
Total Allowable	3,345 sf

POOL VARIANCE PLAN
 1087 BARNEGAT LANE

3	1/19/2021	PER ZONING OFFICIAL	R.C.B.
2	12/29/2020	ADDED TREK DECK	R.C.B.
1	12/11/2020	RVSD. POOL LOCATION PER OWNER	R.C.B.

LOT 36 BLOCK 24
 BOROUGH OF MANTOLOKING
 OCEAN COUNTY, NEW JERSEY

R.C. BURDICK, P.E., P.P., P.C.
 CONSULTING ENGINEERS • LAND SURVEYING
 PLANNING • ENVIRONMENTAL PERMITTING

1023 OCEAN ROAD
 POINT PLEASANT, NJ 08742
 (732)892-5050 FAX (732)892-5888

ROBERT C. BURDICK
 PROFESSIONAL ENGINEER N.J. LIC.#30929
 PROFESSIONAL PLANNER N.J. LIC.#04383

DATE: 06/25/2020
 SCALE: 1" = 20'
 JOB No.: 20-1354
 SHEET 1 of 1