

VARIANCE

SITE GRADING PLAN

LOT 13 BLOCK 145

17 KENNADAY ROAD

SITUATED IN:

TOWNSHIP OF MENDHAM

MORRIS COUNTY, NEW JERSEY

SHEET INDEX

COVER SHEET	1
EXISTING CONDITIONS	2
SITE/GRADING PLAN/LANDSCAPE PLAN	3
SOIL EROSION & SEDIMENT CONTROL PLAN	4

ZONING TABLE

THE SUBJECT PROPERTY IS LOCATED IN THE R-5 ZONE AND IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

MINIMUM LOT REQUIREMENTS	REQUIRED/ PERMITTED	EXISTING	PROPOSED
MIN. LOT AREA (ACRES)	5 AC.	5.15 AC.	5.15 AC.
MIN. NET BLDG. ENVELOPE (S.F.)	80,000 S.F.	115,726 S.F.	
MIN. LOT FRONTAGE (FT)			
MIN. DIA. L.G.C. (FT)	300'	N/C	N/C
MIN. DIA. B.E.C. (FT)	200'	N/C	N/C
YARD REQUIREMENTS			
PRINCIPAL BUILDING			
MIN. SIDE YARD (FT)	50'	54.8'	54.8'
MIN. FRONT YARD (FT)	60'	365.1'	365.1'
MIN. REAR YARD (FT)	50'	372.0'	372.0'
MAX. PRINCIPAL BLDG HT (FT/STORIES)	35	<35	<35
YARD REQUIREMENTS			
ACCESSORY BUILDING (BARN)			
MIN. SIDE YARD (FT)	50'	72.2'	73.8'
MIN. REAR YARD (FT)	50'	>50'	>50'
MAX. ACCESSORY BLDG HT (FT)	30'	13.2'a	27.78'
YARD REQUIREMENTS			
ACCESSORY BUILDING (POOL HOUSE)			
MIN. SIDE YARD (FT)	50'	N/A	51.4'
MIN. REAR YARD (FT)	50'	N/A	232.5'
MAX. ACCESSORY BLDG HT (FT)	30'	N/A	21.11'

N/C = NO CHANGE

(V) VARIANCE REQUIRED:

- 21-6.4d: NO ACCESSORY STRUCTURE SHALL BE LOCATED CLOSER TO A STREET THAN THE PRINCIPAL BUILDING.
- 21-6.2e: ENLARGEMENT OF NON-CONFORMING STRUCTURES NON-CONFORMING BUILDING SHALL NOT ENLARGE, EXTENDED OR INCREASED, EXCEPT THAT IN RESIDENTIAL ZONES, A NON-CONFORMING SINGLE-FAMILY DWELLING OR A SINGLE FAMILY DWELLING ON A NON-CONFORMING LOT MAY BE ENLARGED, EXTENDED OR INCREASED, IF..

AND ANY OTHER VARIANCES THE MENDHAM TOWNSHIP ZONING BOARD OF ADJUSTMENTS DEEMS NECESSARY.

TOWNSHIP NOTES:

- DEVIATIONS FROM THE PLAN MUST BE APPROVED BY THE TOWNSHIP ENGINEER IN WRITING PRIOR TO THE CHANGE. ANY DEVIATIONS WITHOUT PRIOR APPROVAL WILL RENDER THE PERMIT NULL AND VOID.
- ANY DAMAGE TO THE PUBLIC ROAD SHALL BE REPAIRED BY THE CONTRACTOR AT THE DIRECTION OF THE TOWNSHIP ENGINEER.
- ANY SOIL TO BE EXPORTED SHALL BE DEPOSITED IN A LOCATION OUTSIDE OF MENDHAM TOWNSHIP UNLESS A GRADING PERMIT IS APPROVED FROM THE RECEIVING SITE PRIOR TO MOVEMENT. ALL SOIL SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. ANY SOIL TO BE IMPORTED SHALL BE CERTIFIED CLEAN, AND DOCUMENTATION SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER PRIOR TO IMPORT.
- THERE WILL BE NO BURYING OF STUMPS, CONSTRUCTION DEBRIS, OR GARBAGE ON SITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LAWS.
- THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER FOR THE FOLLOWING INSPECTIONS 72 HOURS IN ADVANCE:
 - SILT FENCE INSTALLATION PRIOR TO SOIL DISTURBANCE
 - DRYWELL EXCAVATION PRIOR TO INSTALLATION OF MATERIALS
 - DRYWELL TANK, STONE, AND LEADER DRAIN PIPING PRIOR TO BACKFILLING
 - PRIOR TO REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL MEASURES
 - PIPE CONNECTION INTO THE INLET
 - OTHER INSPECTIONS WHICH MAY BE SPECIFIED AT THE TIME OF CONSTRUCTION

GENERAL NOTES:

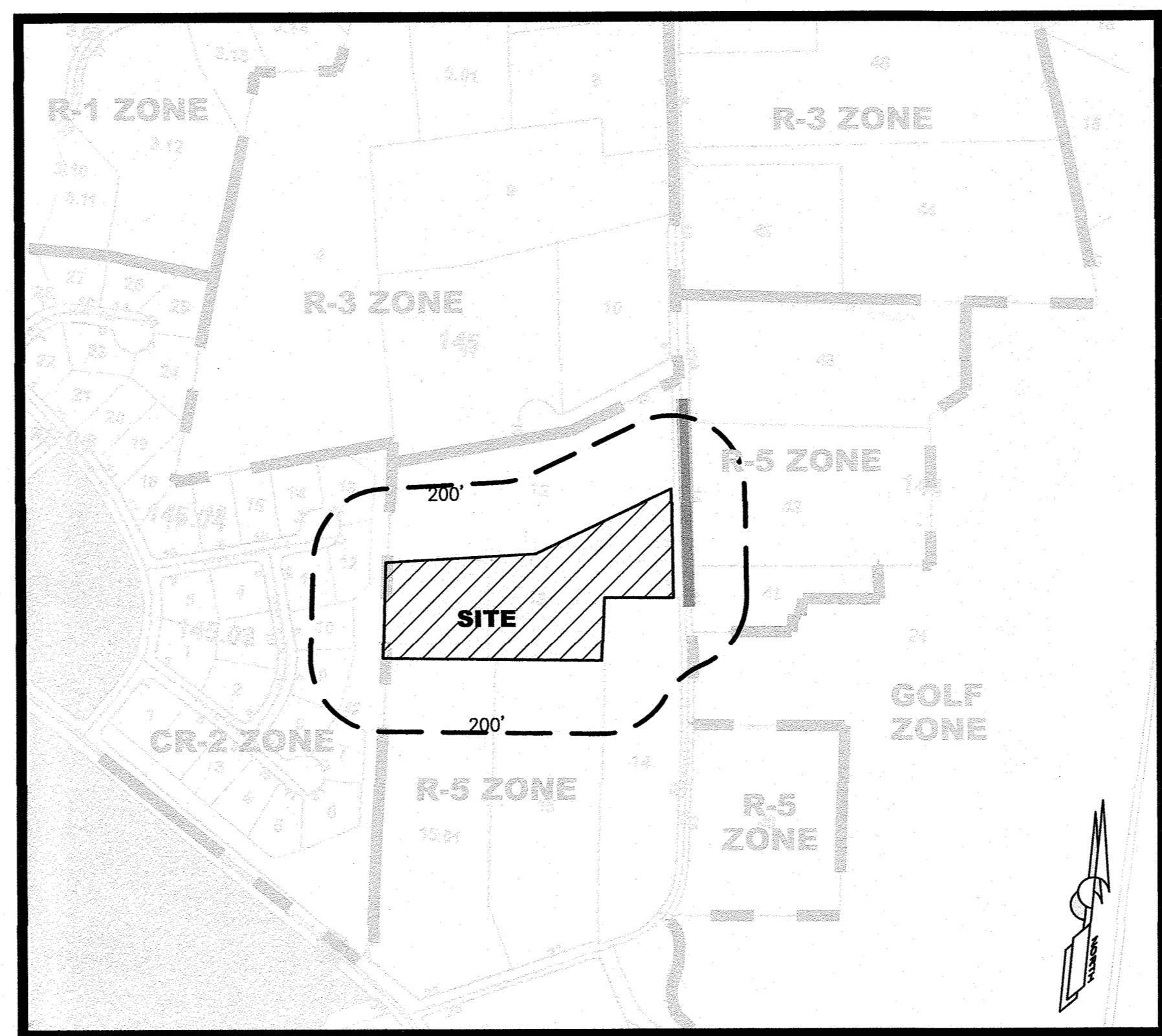
- THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL ONLY. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED.
- ALL OSHA REQUIREMENTS MUST BE FOLLOWED DURING THE COURSE OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO POTENTIAL SHEETING AND SHORING OF EXCAVATIONS. THESE ENGINEERING DRAWINGS ARE NOT INTENDED TO ILLUSTRATE METHODS OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EVALUATE THE SITE CONDITIONS AND COMPLY WITH APPLICABLE SAFETY REGULATIONS.
- CONTRACTOR TO HAVE ALL UTILITIES MARKED OUT PRIOR TO ANY LOT DISTURBANCE.
- POOL STRUCTURAL PLAN AS PER JDU EGARIAN & ASSOCIATES, INC. DATED DECEMBER 1, 2021 AND SIGNED BY DAVID J. EGARIAN, PE NJ LIC. # 2460262900.
- BARN PLAN AS PER PLYMOUTH CARRIAGE BARN KIT FOR JEFF & COLLEEN GANGL, BY THE BARN YARD DATED AUGUST 29, 2022.
- POOL HOUSE AS PER PLYMOUTH CARRIAGE BARN KIT FOR JEFF & COLLEEN GANGL, BY THE BARN YARD DATED AUGUST 29, 2022.

LIST OF PROPERTY OWNERS WITHIN 200FT. OF LOT 13 BLOCK 145

BLOCK	LOT	QUAL	CLA	PROPERTY OWNER	PROPERTY LOCATION
144	24		4A	MENDHAM GOLF & TENNIS CLUB 2 GOLF LN MENDHAM, NJ 07945	GOLF LN
144	41		2	VAN RENSSELAER, ROBERT M & ALANA H 16 KENNADAY RD MENDHAM NJ 07945	16 KENNADAY RD
144	42	QFARM	3B	MOORE, DAVID F 14 KENNADAY RD MENDHAM, NJ 07945	14 KENNADAY RD
144	43	QFARM	3B	MOORE, DAVID F 14 KENNADAY RD MENDHAM, NJ 07945	12A KENNADAY RD
145	12		2	ILIFF, HENRY A & LESLIE, LISA M 15 KENNADAY RD MENDHAM, NJ 07945	15 KENNADAY RD
145	13		2	GANGL, JEFFREY/COLLEEN 17 KENNADAY RD MENDHAM, NJ 07945	17 KENNADAY RD
145	14		2	MORAN, LINDA 19 KENNADAY RD MENDHAM NJ 07945	19 KENNADAY RD
145	15		2	WALSH, BRIAN/KRISTEN 21 KENNADAY RD MENDHAM, NJ 07945	21 KENNADAY RD
145	15.01		2	RUIZ, JAMES & CARNAHAN, MICHELLE L 23 KENNADAY RD MENDHAM, NJ 07945	23 KENNADAY RD
145.04	9		2	WILLIAMS, GEORGE & MICHELE 5 WAINWRIGHT RD MENDHAM, NJ 07945	5 WAINWRIGHT RD
145.04	10		2	BERNT, STEPHEN T/SUSANNE V 9 WAINWRIGHT RD MENDHAM NJ 07945	9 WAINWRIGHT RD
145.04	11		2	TRINKOFF, DAVID A & LAURA D 15 PENDER HILL RD MENDHAM, NJ 07945	15 PENDER HILL RD
145.04	12		2	SKOWRONSKI, THEODORE II/ALEXANDRA S 17 PENDER HILL RD MENDHAM, NJ 07945	17 PENDER HILL RD
145.04	13		2	PALUMBO, ROBERT/ATHENA 16 PENDER HILL RD MENDHAM, NJ 07945	16 PENDER HILL RD
145.04	42		1	DRAKEWICK HOMEOWNERS ASSN P.O. BOX 23 MENDHAM, NJ 07945	TEMPE WICK RD

LIST OF UTILITIES TO NOTICE

Utilities Companies:	Address
• PSE&G	P.O. Box 490, Cranford NJ 07016
• JCP&L c/o First Energy	76 South Main St, Akron OH 44308
• Comcast	One Comcast Ctr., Philadelphia PA 19103
• Verizon FIOS	P.O. Box 4830, Trenton NJ 08650-4830
• Southeast Morris Cty MUA	19 Saddle Rd, Cedar Knolls NJ 07927
• Morris Cty Municipal Utilities Authority	214A Center Grove Rd, Randolph, NJ 07869
• NJ American Water	1025 Laurel Oak Rd, Voorhees, NJ 08043



KEY PLAN

1" = 200'±
PROJECT SITE IS SHOWN ON TOWNSHIP OF MENDHAM TAX MAP SHEET NO. 29.

LIST OF REQUIRED GOVERNMENTAL APPROVALS

- (BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION)
- MENDHAM TOWNSHIP ZONING BOARD OF ADJUSTMENT
 - MORRIS COUNTY SOIL CONSERVATION DISTRICT
 - MENDHAM TOWNSHIP BUILDING DEPARTMENT
 - MENDHAM TOWNSHIP HEALTH DEPARTMENT

OWNER / APPLICANT

JEFFREY & COLLEEN GANGL
17 KENNADAY ROAD
MENDHAM, N.J. 07945
PH.# (646)509-6464

CIVIL ENGINEERING, INC.

CAREAGA ENGINEERING, INC.
382 ROUTE 46 WEST, SUITE 5
BLUDD LAKE, NEW JERSEY 07828
(973) 448-0651

APPROVALS

APPROVED BY MENDHAM TOWNSHIP ZONING BOARD OF ADJUSTMENT AT A MEETING ON _____ 2023

BOARD CHAIRPERSON	DATE
BOARD SECRETARY	DATE
TOWNSHIP ENGINEER	DATE

NO.	DATE	DESCRIPTION	BY
CLIENT: JEFFREY & COLLEEN GANGL			
17 KENNADAY ROAD			
MENDHAM, NJ 07945			
PH.#(646) 509-6464			

382 Route 46 West, Equity Plaza Suite 5, Bludd Lake NJ 07828
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State Board of Professional Engineers and Land Surveyors
NJ 0 of A # 246A28089000

JEFFREY J. CAREAGA
PROFESSIONAL ENGINEER, N.J. LIC. NO. 35973

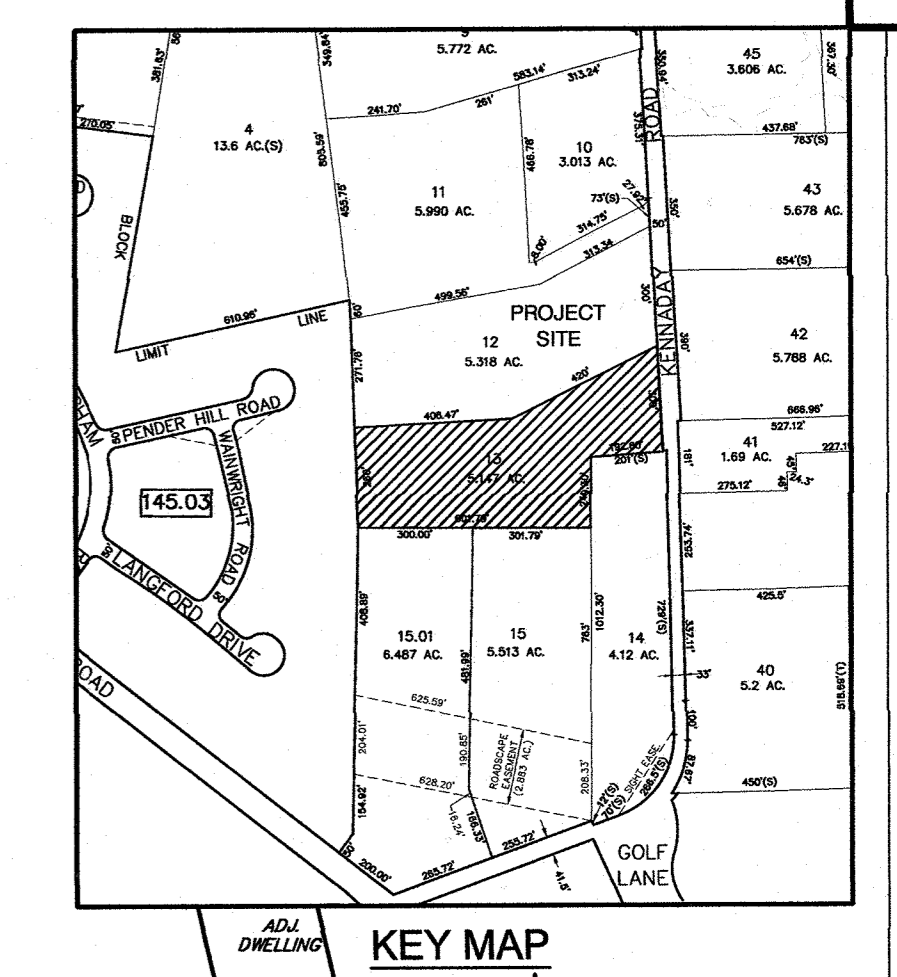
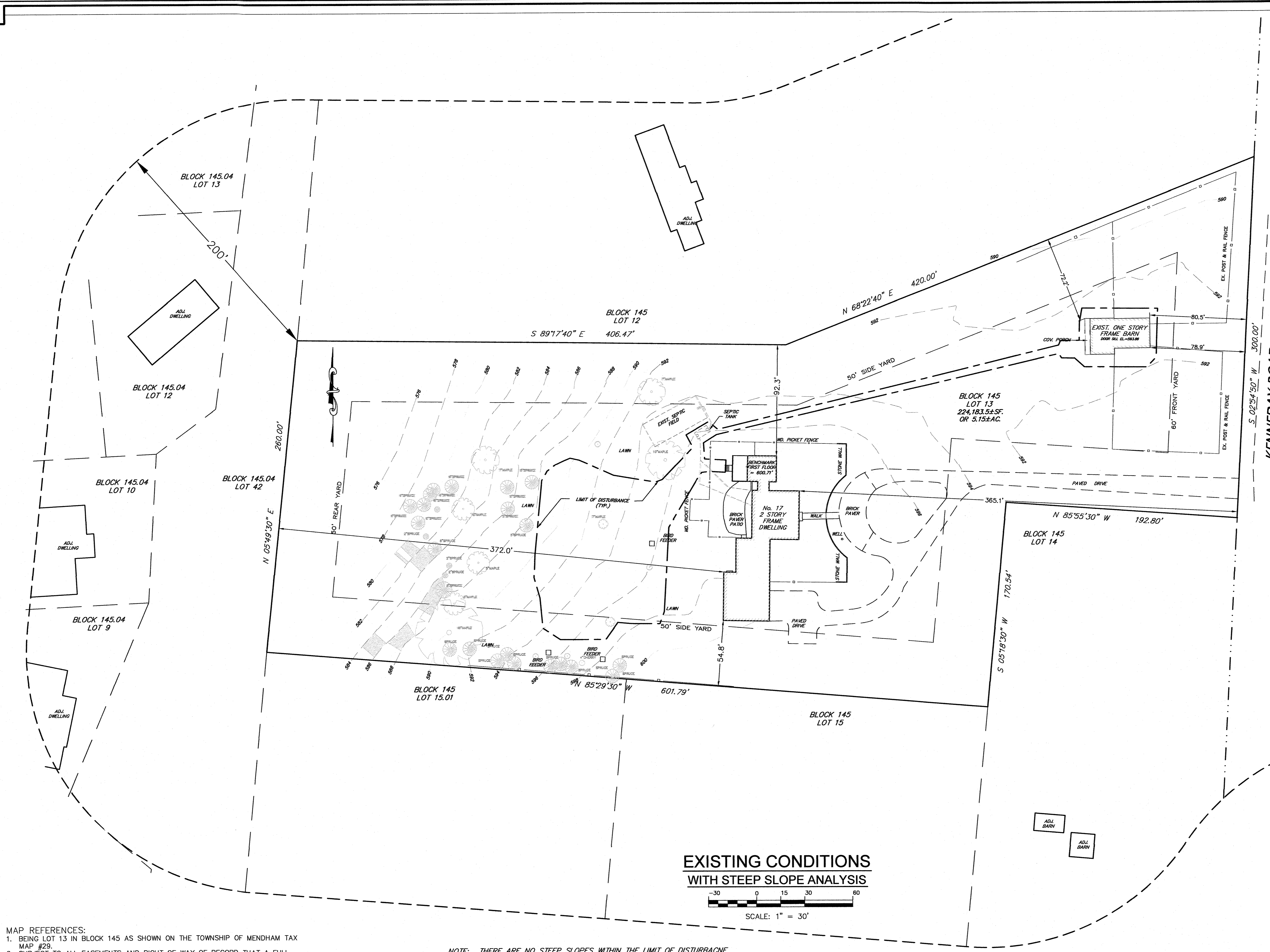
COVER SHEET
17 KENNADAY ROAD
(TAX MAP SHEET 29.)
LOT 13 BLOCK 145
SITUATED IN:
TOWNSHIP OF MENDHAM
MORRIS COUNTY NEW JERSEY

DATE: 9/19/23	SCALE: AS SHOWN	PROJECT NUMBER: 14051
DRAWN BY: LF	CHECKED BY: JUC	SHEET: 1 OF 4

engineering inc. areaga
 SEPTIC DESIGN • SITE PLANS • WATER SUPPLY • CONSTRUCTION AND INSPECTION SERVICES • FOUNDATION REPAIR • SUBDIVISIONS

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**EXISTING CONDITIONS
WITH STEEP SLOPE ANALYSIS**

SCALE: 1" = 30'

- MAP REFERENCES:**
1. BEING LOT 13 IN BLOCK 145 AS SHOWN ON THE TOWNSHIP OF MENDHAM TAX MAP #23.
 2. SUBJECT TO ALL EASEMENTS AND RIGHT OF WAY OF RECORD THAT A FULL TITLE SEARCH MAY DISCLOSE. NO SUCH SEARCH WAS PROVIDED TO THIS OFFICE.
 3. THIS MAP IS NOT A BOUNDARY SURVEY. THE DWELLING LOCATION AND BOUNDARY GEOMETRY WERE TAKEN FROM "SURVEY OF LOT 13, BLOCK 145 IN THE TOWNSHIP OF MENDHAM, MORRIS COUNTY, NEW JERSEY" DATED FEBRUARY 18, 1992, PREPARED BY TITUS SURVEYING & ENGINEERING AND SIGNED BY WILLIAM H. TITUS, NJPLS LIC. NO. 12350. THIS TOPOGRAPHY HAS BEEN GRAPHICALLY TIED TO THE GEOMETRY SHOWN ON THAT SURVEY.
 4. PARTIAL TOPOGRAPHIC STUDY DONE BY THIS FIRM, CHARLES WORTHINGTON, NJPLS LIC. NO. 34026 DATED JANUARY 25, 2023. CONTOURS HAVE BEEN GENERATED FROM FIELD WORK PERFORMED ON JANUARY 25, 2023. VERTICAL DATUM OF THIS TOPOGRAPHIC STUDY IS BASED UPON BENCHMARK FIRST FLOOR = 600.71'.
 5. SEPTIC LOCATION AS PER SEPTIC AS-BUILT DONE BY THIS FIRM, JEFFREY J. CAREAGA, NJPE LIC. NO. 35973 DATED MAY 7, 2021.

NOTE: THERE ARE NO STEEP SLOPES WITHIN THE LIMIT OF DISTURBANCE

STEEP SLOPE CATEGORY	AREA (ACRES)	DISTURBED AREAS (ACRES)		TOTAL DISTURBED AREAS (ACRES)	PERCENT DISTURBED	MAXIMUM ALLOWED % DISTURBED
		PUBLIC IMPROVEMENTS	HOUSE, YARD SEPTIC & DRIVEWAY			
0-10%	5.12 AC	XX	XX	XX	XX	NO LIMIT
10-15%	0.026 AC	0	0	0	0.0%	25.0%
15-25%	0 AC	0	0	0	0.0%	15.0%
OVER 25%	0 AC	0	0	0	0.0%	5.0%

- Soil Log 1** Performed 3/2/21 by Jeffrey J. Careaga witnessed by the Morris County Health Department
- 0'-12" Topsoil
 - Sandy Clay Loam, 7.5YR5/6, 10% Gravel, 5% Cobble, 2% Stone, Sub-Angular Blocky, Moist Friable
 - 12'-20" Moist Friable
 - 20'-69" Sandy Loam, 10YR5/6, 10% Gravel, 5% Cobble, 5% Stone, Sub-Angular Blocky, Moist Friable
- Soil Log 2** Performed 3/2/21 by Jeffrey J. Careaga witnessed by the Morris County Health Department
- 0'-20" Topsoil
 - 20'-69" Sandy Clay Loam, 7.5YR5/6, 10% Gravel, 5% Cobble, 2% Stone, Sub-Angular Blocky, Moist Friable
 - 69'-125" Sandy Loam, 10YR5/6, 10% Gravel, 10% Cobble, 10% Stone, Sub-Angular Blocky, Moist Friable
- Mottling - None
Seepage - None
Water - None
Ledge - None
Roots to 68"
Sample @ 72"

- TOWNSHIP NOTES:**
1. DEVIATIONS FROM THE PLAN MUST BE APPROVED BY THE TOWNSHIP ENGINEER IN WRITING PRIOR TO THE CHANGE. ANY DEVIATIONS WITHOUT PRIOR APPROVAL WILL RENDER THE PERMIT NULL AND VOID.
 2. ANY DAMAGE TO THE PUBLIC ROAD SHALL BE REPAIRED BY THE CONTRACTOR AT THE DIRECTION OF THE TOWNSHIP ENGINEER.
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CLIENT:
JEFFREY & COLLEEN GANGL
17 KENNADAY ROAD
MENDHAM, NJ 07945
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N.J.C. # 246A28089000
JEFFREY J. CAREAGA
PROFESSIONAL ENGINEER, N.J. LIC. NO. 35973

**SITE GRADING PLAN
EXISTING CONDITION**
17 KENNADAY ROAD
LOT 13 BLOCK 145
SITUATED IN:
TOWNSHIP OF MENDHAM
MORRIS COUNTY NEW JERSEY

DATE: 2/21/23 SCALE: SHOWN PROJECT NUMBER: 14051
DRAWN BY: RS CHECKED BY: JUC SHEET: 2 OF 4

DRYWELL SIZING CALCULATIONS-POOL AREA

4737
4737 SF Proposed Roof Impervious Area
0.11 Acres

Modified Rational Method
C = 0.99
Duration = 60 min
Rainfall Intensity = 3.2 in/hr 100 YR Storm Event

Rate of Runoff
Q = C x I x A = 0.34 cfs

Volume of Runoff
Q x 60 sec/min x 60 min = 1240 CF

Unit Storage Volume:
Tank Volume = 3.14 x D² x H_{max} / 4 = 253 CF
Stone Volume Around Tank = (A_s - A_{max}) x H_{max} x V_s = 121 CF
Stone Volume Under Tank = A_s x D_{stone} x V_s = 40 CF
Total Unit Storage Volume = 415 CF

Quantity of Drywell Units = Req'd Storage Volume / (Unit Storage Volume + Unit Infiltration Volume) = 1240 / 415 = 3.0 Drywells Required

DRYWELL SIZING CALCULATIONS - BARN

1516
1516 SF Proposed Roof Impervious Area
0.03 Acres

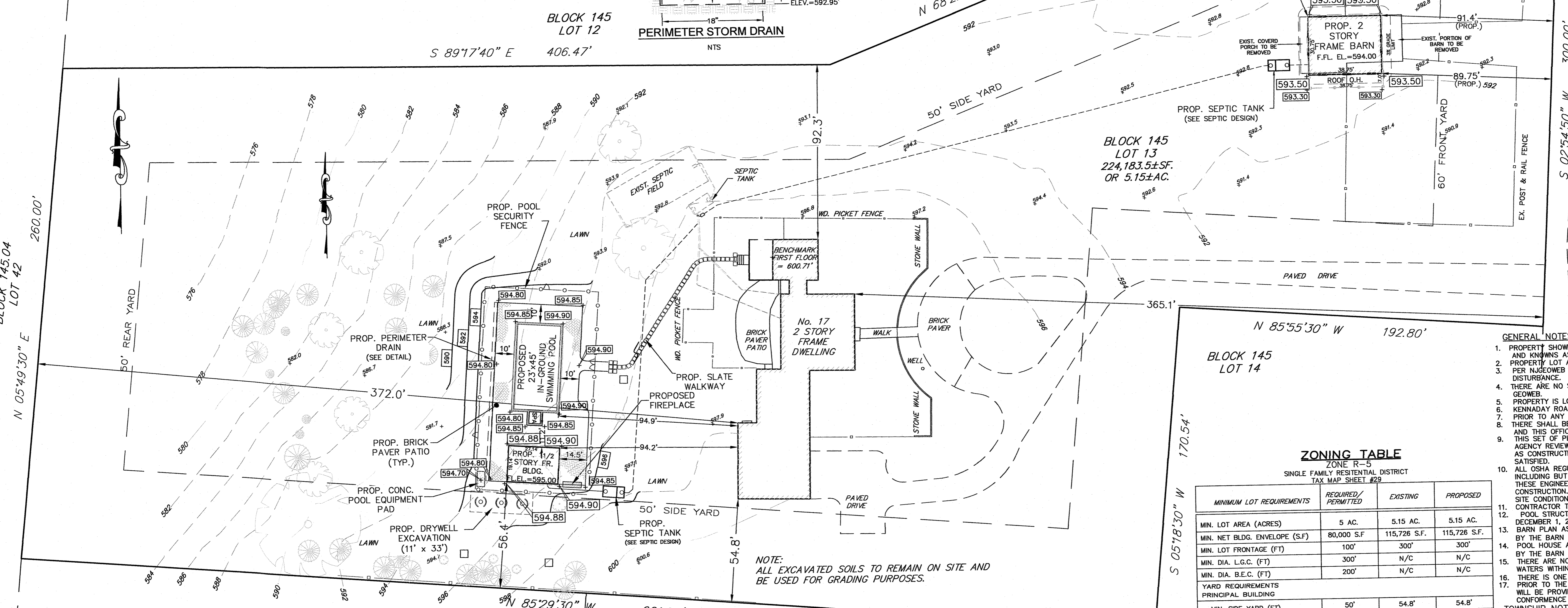
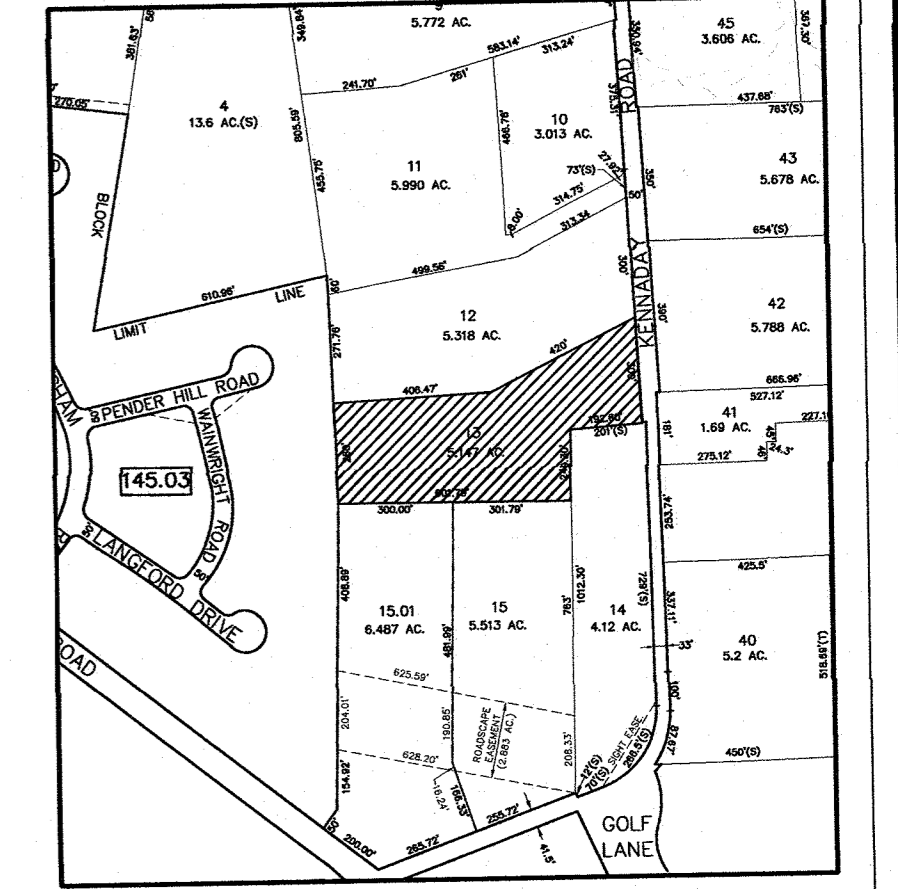
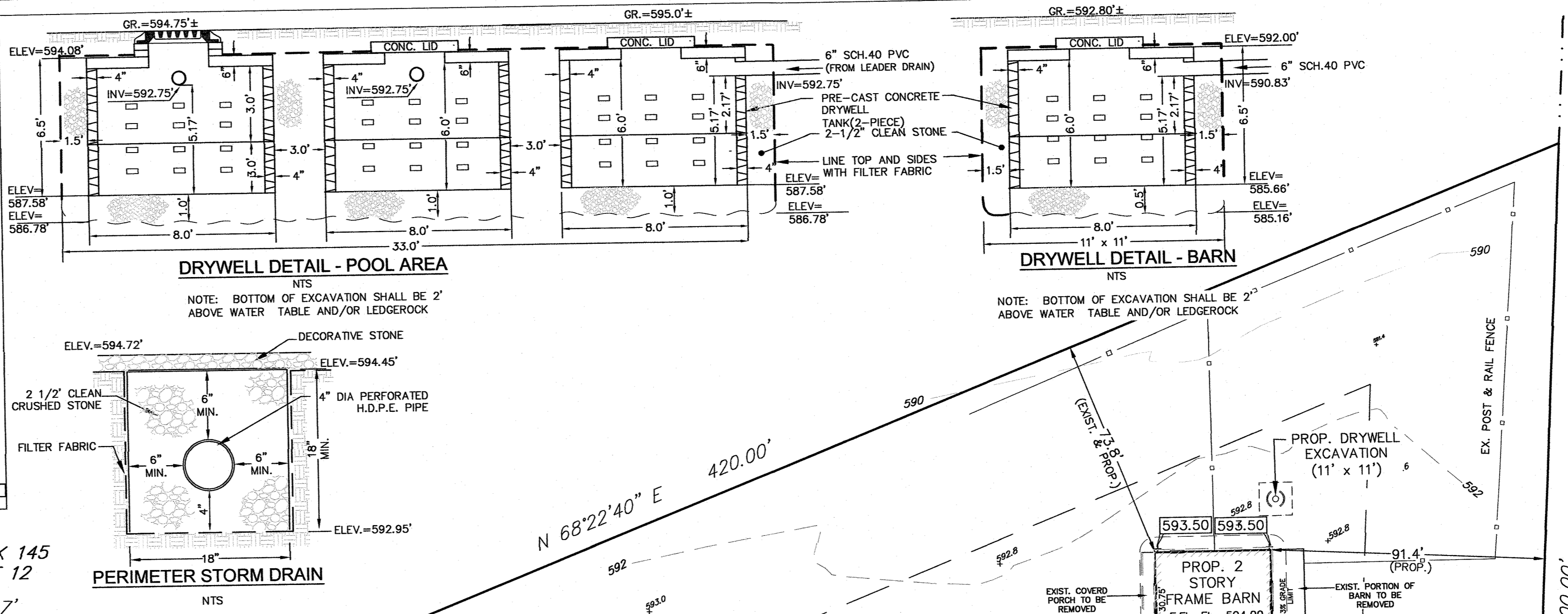
Modified Rational Method
C = 0.99
Duration = 60 min
Rainfall Intensity = 3.2 in/hr 100 YR Storm Event

Rate of Runoff
Q = C x I x A = 0.11 cfs

Volume of Runoff
Q x 60 sec/min x 60 min = 397 CF

Unit Storage Volume:
Tank Volume = 3.14 x D² x H_{max} / 4 = 253 CF
Stone Volume Around Tank = (A_s - A_{max}) x H_{max} x V_s = 121 CF
Stone Volume Under Tank = A_s x D_{stone} x V_s = 20 CF
Total Unit Storage Volume = 395 CF

Quantity of Drywell Units = Req'd Storage Volume / (Unit Storage Volume + Unit Infiltration Volume) = 397 / 395 = 1.0 Drywells Required

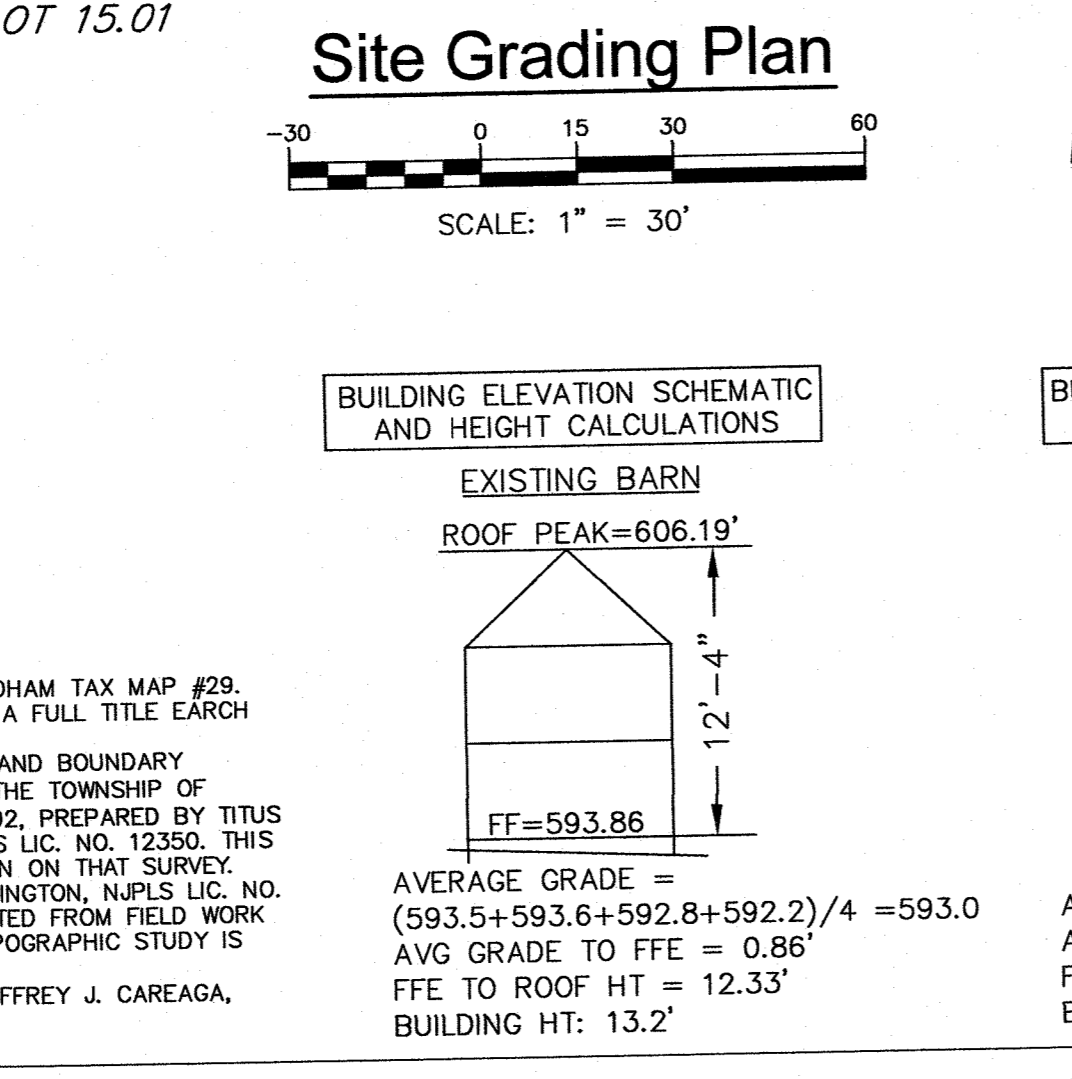


LEGEND

- EXISTING SPOT GRADE: 798.65
- PROPOSED SPOT GRADE: 788.40
- EXISTING 2' CONTOUR: 804
- EXISTING 10' CONTOUR: 810
- PROPOSED CONTOUR: 798
- SOIL EROSION FENCE: ---
- LIMIT OF DISTURBANCE: ---
- PROPOSED SWALE: ---

MAP REFERENCES:

- BING LOT 13 IN BLOCK 145 AS SHOWN ON THE TOWNSHIP OF MENDHAM TAX MAP #29.
- SUBJECT TO ALL EASEMENTS AND RIGHT OF WAY OF RECORD THAT A FULL TITLE SEARCH MAY DISCLOSE. NO SUCH SEARCH WAS PROVIDED TO THIS OFFICE.
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- SEPTIC LOCATION AS PER SEPTIC AS-BUILT DONE BY THIS FIRM, JEFFREY J. CAREAGA, N.J.P.L.S. LIC. NO. 35973 DATED MAY 7, 2021.



LOT COVERAGE CALCULATIONS

	EXISTING (SF)	PROPOSED (SF)
EXIST. DWELLING	4,490.6	4,490.6
FRONT STOOP & WALK	179.3	179.3
BARN & OVERHANG	1,460.0	1,460.0
DRIVEWAY	9,612.6	9,612.6
PROP. POOL HOUSE W/O.H.		578
PROP. POOL & SPA SURFACE		1,073.0
PROP. POOL & SPA CORING		180.5
PROP. POOL EQUIP PAD		32.0
PROP. POOL PATIO & WALK		2,795.7
PROP. STEP STONES		97.4
TOTAL	15,742.5	20,480

INCREASE IN IMPERVIOUS = 4,737.5 SF

ZONING TABLE

ZONE R-5
SINGLE FAMILY RESIDENTIAL DISTRICT
TAX MAP SHEET #29

MINIMUM LOT REQUIREMENTS	REQUIRED/ PERMITTED	EXISTING	PROPOSED
MIN. LOT AREA (ACRES)	5 AC.	5.15 AC.	5.15 AC.
MIN. NET BLDG. ENVELOPE (S.F.)	80,000 S.F.	115,726 S.F.	115,726 S.F.
MIN. LOT FRONTAGE (FT)	100'	300'	300'
MIN. DIA. L.G.C. (FT)	300'	N/C	N/C
MIN. DIA. B.E.C. (FT)	200'	N/C	N/C

YARD REQUIREMENTS

PRINCIPAL BUILDING	EXISTING	PROPOSED
MIN. SIDE YARD (FT)	50'	54.8'
MIN. FRONT YARD (FT)	60'	365.1'
MIN. REAR YARD (FT)	50'	372.0'
MAX. PRINCIPAL BLDG HT (FT/STORIES)	35	<35

YARD REQUIREMENTS

ACCESSORY BUILDING (BARN)	EXISTING	PROPOSED
MIN. SIDE YARD (FT)	50'	72.2'
MIN. REAR YARD (FT)	50'	>50'
MAX. ACCESSORY BLDG HT (FT)	30'	13.2'±

YARD REQUIREMENTS

ACCESSORY BUILDING (POOL HOUSE)	EXISTING	PROPOSED
MIN. SIDE YARD (FT)	50'	N/A
MIN. REAR YARD (FT)	50'	N/A
MAX. ACCESSORY BLDG HT (FT)	30'	N/A

N/C = NO CHANGE

OWNER/APPLICANT

JEFFREY & COLLEEN GANGL
17 KENNADAY ROAD
MENDHAM, N.J. 07945
PH. (646) 509-6464

NO.	DATE	DESCRIPTION	BY
2.	9/20/23	REVISED - SUBMIT FOR COMPLETENESS	LF
1.	7/18/23	REVISED BARN SIZE & POOL AREA	LF

CLIENT: JEFFREY & COLLEEN GANGL
17 KENNADAY ROAD
MENDHAM, NJ 07945
PH. (646) 509-6464

SITE GRADING PLAN

17 KENNADAY ROAD
LOT 13 BLOCK 145
SITUATED IN:
TOWNSHIP OF MENDHAM
MORRIS COUNTY NEW JERSEY

DATE: 1/26/23 SCALE: SHOWN PROJECT NUMBER: 14051
DRAWN BY: RS CHECKED BY: JJC SHEET: 3 OF 4

- ### GENERAL NOTES:
- PROPERTY SHOWN ON TOWNSHIP OF MENDHAM TAX MAP SHEET #29.
 - AND KNOWN AS LOT 13, BLOCK 145
 - PROPOSED LOT AREA IS 5.15± ACRES = 224,183.5± SF
 - PER ALLOWED THERE IS NO WETLANDS OR WETLANDS TRANSITION AREAS WITHIN THE LIMIT OF DISTURBANCE.
 - THERE ARE NO STREAMS, BROOKS OR WATERWAYS WITHIN 200' OF PROPERTY PER NJDEP GEOMAP.
 - PROPERTY IS LOCATED IN THE HIGHLANDS PLANNING AREA AS PER NJDEP GEOMAP.
 - KENNADAY ROAD IS NOT A COUNTY ROAD.
 - PRIOR TO ANY CONSTRUCTION, CONTRACTOR TO HAVE ALL UTILITIES MARK-OUT.
 - THERE SHALL BE NO DEVIATION FROM THE APPROVED PLAN WITHOUT THE BOROUGH ENGINEER AND THIS OFFICE APPROVAL.
 - THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL ONLY. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED.
 - ALL OSHA REGULATIONS MUST BE FOLLOWED DURING THE COURSE OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO POTENTIAL SHEETING AND SHORING OF EXCAVATIONS. THESE ENGINEERING DRAWINGS ARE NOT INTENDED TO ILLUSTRATE METHODS OF SITE CONDITIONS AND COMPLY WITH APPLICABLE SAFETY REGULATIONS.
 - CONTRACTOR TO HAVE ALL UTILITIES MARKED OUT PRIOR TO ANY LOT DISTURBANCE.
 - POOL STRUCTURAL PLAN AS PER JJJ EGARIAN & ASSOCIATES, INC. DATED DECEMBER 1, 2021 AND SIGNED BY DAVID J. EGARIAN, PE N.J. LIC. # 24GE02622900.
 - BARN PLAN AS PER PLYMOUTH CARRIAGE BARN KIT FOR JEFF & COLLEEN GANGL BY THE BARN YARD DATED AUGUST 29, 2022 AND LAST REVISED 4/14/23
 - POOL HOUSE AS PER PLYMOUTH CARRIAGE BARN KIT FOR JEFF & COLLEEN GANGL BY THE BARN YARD DATED AUGUST 29, 2022 AND LAST REVISED 3/13/23
 - THERE ARE NO WATER COURSES, STREAMS, C-1 WATERWAYS OR STATE OPEN WATERS WITHIN 300 FT. OF THE LIMIT OF DISTURBANCE.
 - THERE IS ONE (1) "7" TREE TO BE REMOVED.
 - PRIOR TO THE ISSUANCE OF A "CERTIFICATION OF CONSTRUCTION" AN AS-BUILT SURVEY WILL BE PROVIDED BY A N.J. LICENSED SURVEYOR, WHICH SHALL VERIFY THE CONFORMANCE OF THE MUNICIPAL CODE AND TERMS OF THE APPROVAL.
- TOWNSHIP NOTES:**
- DEVIATIONS FROM THE PLAN MUST BE APPROVED BY THE TOWNSHIP ENGINEER IN WRITING PRIOR TO THE CHANGE. ANY DEVIATIONS WITHOUT PRIOR APPROVAL WILL RENDER THE PERMIT NULL AND VOID.
 - ANY DAMAGE TO THE PUBLIC ROAD SHALL BE REPAIRED BY THE CONTRACTOR AT THE DIRECTION OF THE TOWNSHIP ENGINEER.
 - ANY SOIL TO BE EXPORTED SHALL BE DEPOSITED IN A LOCATION OUTSIDE OF MENDHAM TOWNSHIP UNLESS A GRADING PERMIT IS APPROVED FROM THE RECEIVING SITE PRIOR TO MOVEMENT. ALL SOIL SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. ANY SOIL TO BE IMPORTED SHALL BE CERTIFIED CLEAN, AND DOCUMENTATION SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER PRIOR TO IMPORT.
 - ALL WASTE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LAWS. THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER FOR THE FOLLOWING INSPECTIONS 72 HOURS IN ADVANCE:
 - SILT FENCE INSTALLATION PRIOR TO SOIL DISTURBANCE
 - DRYWELL EXCAVATION PRIOR TO INSTALLATION OF MATERIALS
 - DRYWELL TANK, STONE, AND LEADER DRAIN PIPING PRIOR TO BACKFILLING
 - PRIOR TO REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL MEASURES
 - PIPE CONNECTION INTO THE INLET
 - OTHER INSPECTIONS WHICH MAY BE SPECIFIED AT THE TIME OF CONSTRUCTION

