

LOCATION MAP N.T.S.

DRAINAGE STUDY AREA 1 - RESIDENCE, PATIO & WALKWAY		
DRAINAGE STUDY AREA:	S.F.	3101
DESIGN STORM (100 YR.):	IN.	9.17
HYDROLOGIC SOIL TYPE:		8
EXISTING CN:		55
PROPOSED CN:		98
REQUIRED STORAGE VOLUME CALCULATION		
EX. RUNOFF DEPTH:	IN.	3.61
PR. RUNOFF DEPTH:	IN.	8.93
DELTA RUNOFF DEPTH:	IN.	5.32
REQUIRED STORAGE VOLUME:	C.F.	1374.3
DRYWELL INFORMATION		
LENGTH OF 1 CHAMBER:	FT.	8.5
WIDTH OF 1 CHAMBER:	FT.	4.33
HEIGHT OF CHAMBER:	FT.	2.54
WIDTH OF STONE SURROUNDING CHAMBER:	FT.	1
DEPTH OF STONE UNDER CHAMBER:	FT.	0.5
STONE VOID RATIO:		0.33
VOLUME PER DRYWELL (AS PER MANUFACTURER):	C.F./L.F.	7.46
TRENCH SIZE		
TRENCH WIDTH:	FT.	6.33
TRENCH LENGTH (UNIT LENGTH):	FT.	1
TRENCH HEIGHT:	FT.	3.04
TRENCH VOLUME:	C.F./L.F.	19.24
STONE VOID VOLUME:	C.F.	3.89
PERCOLATION AREA:	S.F./L.F.	6.33
PERCOLATION RATE:	MIN./IN.	1.8
PERCOLATION HOLE DIAMETER:	IN.	10
WATER LEVEL DROP:	IN.	1
AVERAGE DEPTH OF WATER:	IN.	8.5
PERCOLATION HOLE BOTTOM AREA:	S.F.	0.55
PERCOLATION HOLE SIDE AREA:	S.F.	1.85
PERCOLATION HOLE TOTAL AREA:	S.F.	2.40
PERCOLATION VOLUME CHANGE:	C.F.	0.045
ADJUSTED PERCOLATION RATE:	C.F./S.F./DAY	1.52
PERCOLATION VOL. PER DAY:	C.F./DAY/L.F.	9.6
SOIL CLOGGING FACTOR:		25%
PERCOLATION WITH CLOGGING:	C.F./DAY/L.F.	7.2
TOTAL VOLUME OF CHAMBERS:	C.F./DAY/L.F.	18.5
REQUIRED LENGTH CHAMBERS:	L.F.	74.12
REQUIRED NUMBER OF CHAMBERS:	EA.	11

IT IS A VIOLATION OF THE NEW YORK STATE ENGINEERING LAW, ARTICLE 145, SECTION 2209(2), FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM ON THIS PLAN IN ANY WAY, IF ANY ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED. THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NORTH ARROW SHOWN ON PLAN

SCALE: 1" = 20'

**ALFONZETTI ENGINEERING, P.C.**  
 14 SMITH AVE, MT. KISCO, N.Y. 10549  
 914-666-9800 INFO@ALFONZETTIENG.COM

**SITE DATA**

OWNER/APPLICANT:  
82-84 ROUND HILL LLC

OWNER/APPLICANT ADDRESS:  
5810A 59TH ST WASEPTH,  
NY 11378

SITE ADDRESS:  
82 ROUND HILL RD  
ARMONK, NY 10504

TAX MAP #: 102.03-1-40  
LOT AREA: 2.32 ACRES  
ZONING: R-2A  
FIRE: BANKSVILLE PD  
SCHOOL: BRYAN HILLS

REVISIONS:  
REVISED: MAY 6, 2022  
REVISED: APRIL 20, 2020  
REVISED: OCTOBER 16, 2019  
REVISED: JULY 23, 2019  
REVISED: JULY 2, 2019  
REVISED: MAY 8, 2019

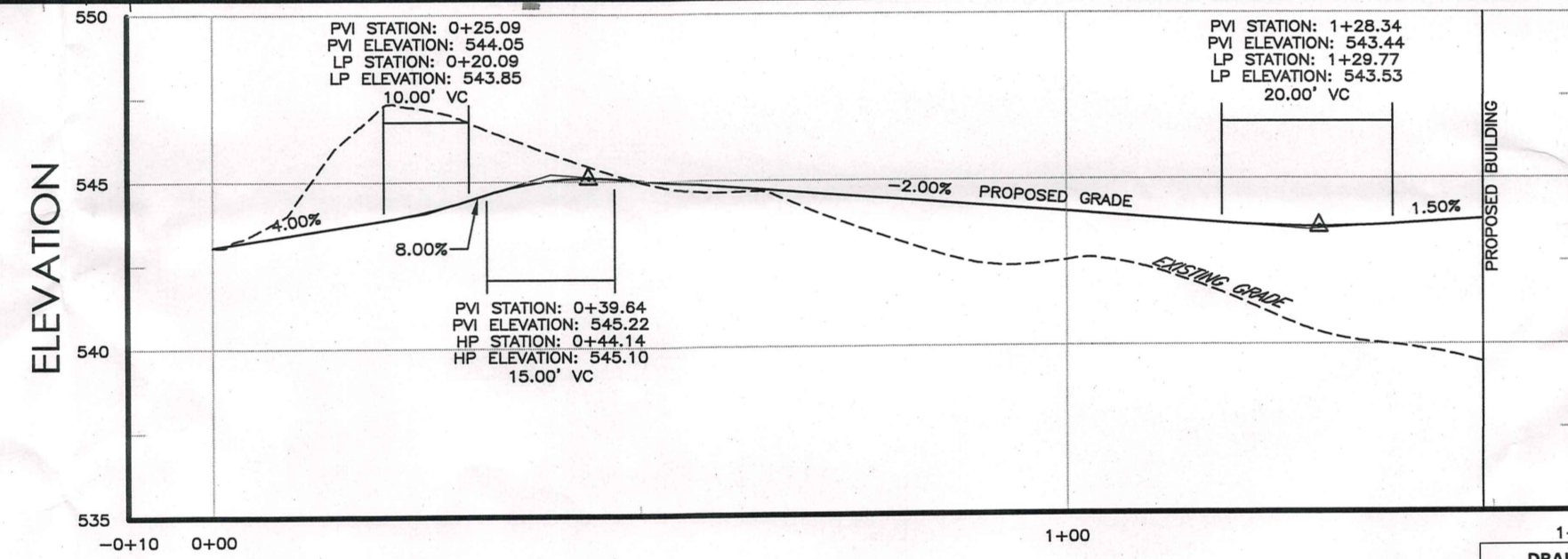
**SITE PLAN**  
APRIL 3, 2019

PROJECT:  
**82 ROUND HILL ROAD**  
TOWN OF NORTH CASTLE,  
WESTCHESTER COUNTY, NEW YORK

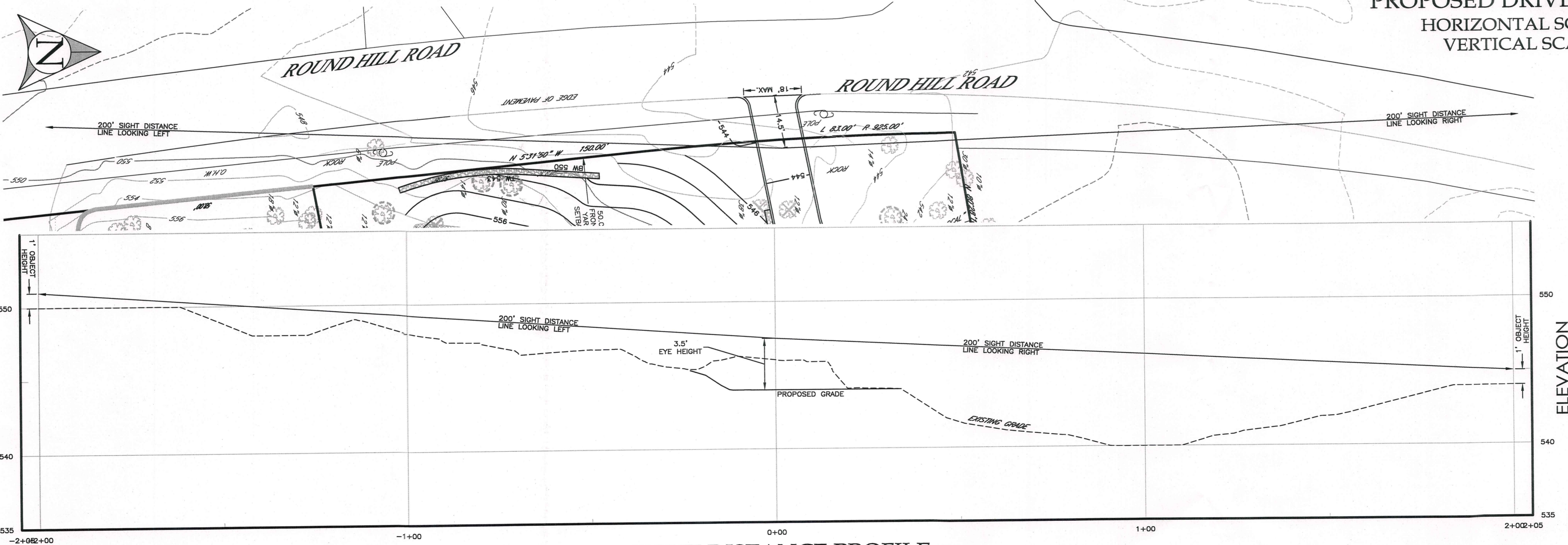
SHEET: 01 OF 02

PERCOLATION TEST DATA	
P1	14.2 MIN./IN.
P2	17.1 MIN./IN.
P3	8.67 MIN./IN.
P4	9 MIN./IN.
2022-SWP1	15 MIN./IN.
2022-SWP2	17.1 MIN./IN.

DEEP TEST HOLE DATA	
DT1	0"-12" TOPSOIL 12"-64" MOD. COMP. SANDY SILTY LOAM GW @ 72"
2022-SW01	0"-36" SANDY LOAM 36"-84" MED. SANDS W/ SILTS
2022-SW02	0"-4" TOPSOIL 4"-48" SANDY LOAM 48"-84" MED. SANDS W/ SILTS GW @ 69"



**PROPOSED DRIVEWAY PROFILE**  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 5'



**SIGHT DISTANCE PROFILE**  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 5'

ZONING TABLE		
ZONE:	REQUIRED/PERMITTED	PROPOSED
ZONE: ONE FAMILY RESIDENCE DISTRICT ZONE R-2A		
AREA	2 ACRES	2.32 ACRES
MINIMUM LOT FRONTAGE	150 FT	175 FT
FRONT YARD SETBACK	50 FT	132.2 FT
SIDE YARD SETBACK	30 FT	55.8 FT
REAR YARD SETBACK	50 FT	336 FT
MAXIMUM HEIGHT	30 FT	<30 FT
MAXIMUM BUILDING COVERAGE	8%	2.66%
GROSS LAND COVERAGE	16,066 SF	5624 SF
GROSS FLOOR AREA	11,606 SF	4,889 SF

DRAINAGE STUDY AREA 2 - DRIVEWAY & PORTION OF RESIDENCE	
DRAINAGE STUDY AREA:	S.F. 2612.5
DESIGN STORM (100 YR.):	IN. 9.2
HYDROLOGIC SOIL TYPE:	8
EXISTING CN:	55
PROPOSED CN:	98
REQUIRED STORAGE VOLUME CALCULATION	
EX. RUNOFF DEPTH:	IN. 3.63
PR. RUNOFF DEPTH:	IN. 8.96
DELTA RUNOFF DEPTH:	IN. 5.33
REQUIRED STORAGE VOLUME:	C.F. 1159.6
DRYWELL INFORMATION	
LENGTH OF 1 CHAMBER:	FT. 8.5
WIDTH OF 1 CHAMBER:	FT. 4.33
HEIGHT OF CHAMBER:	FT. 2.54
WIDTH OF STONE SURROUNDING CHAMBER:	FT. 1
DEPTH OF STONE UNDER CHAMBER:	FT. 0.5
STONE VOID RATIO:	
VOLUME PER DRYWELL (AS PER MANUFACTURER):	C.F./L.F. 7.46
TRENCH SIZE	
TRENCH WIDTH:	FT. 6.33
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STONE VOID VOLUME:	C.F. 3.89
PERCOLATION AREA:	S.F./L.F. 6.33
PERCOLATION RATE:	MIN./IN. 1.8
PERCOLATION HOLE DIAMETER:	IN. 10
WATER LEVEL DROP:	IN. 1
AVERAGE DEPTH OF WATER:	IN. 8.5
PERCOLATION HOLE BOTTOM AREA:	S.F. 0.55
PERCOLATION HOLE SIDE AREA:	S.F. 1.85
PERCOLATION HOLE TOTAL AREA:	S.F. 2.40
PERCOLATION VOLUME CHANGE:	C.F.
ADJUSTED PERCOLATION RATE:	C.F./S.F./DAY
PERCOLATION VOL. PER DAY:	C.F./DAY/L.F.
SOIL CLOGGING FACTOR:	
PERCOLATION WITH CLOGGING:	C.F./DAY/L.F.
TOTAL VOLUME OF CHAMBERS:	C.F./DAY/L.F.
REQUIRED LENGTH CHAMBERS:	L.F.
REQUIRED NUMBER OF CHAMBERS:	EA. 9





## Town of North Castle Building Department

17 Bedford Road

Armonk, New York 10504-1898

Telephone: (914) 273-3000 ext. 44 Fax: (914) 273-3554

[www.northcastleny.com](http://www.northcastleny.com)

### Application for Revision to Approved Plans

Note: Two (2) sets of construction documents must be submitted with application w/ \$75.00 fee.

Permit #: 2021-1608

Date: 05/06/2022

Project Address: 82 Round Hill Road, Armonk, NY 10504

I understand that this application does not permit the revised work without express consent and approval from the Town of North Castle Building Department.

Applicants Name: Tomasz Fidziukiewicz

Applicants Signature: Tomasz Fidziukiewicz

Phone #: 718-578-3593

Mobile #: 718-578-3593

E-mail: tomasz@ttmechanical.us

Architect/ Engineer Name: Ralph Alfonzetti, P.E.

Phone #: 914-666-9800

Mobile #: 914-469-1750

E-mail: info@alfonzettieng.com

Description of Revision (In detail):

Proposed stormwater mitigation system has been revised and relocated.

### Office use only

Fee Collected: 75

2 Sets of Plans:

Reviewed By: \_\_\_\_\_

Bldg. Inspector signoff: \_\_\_\_\_

# ALFONZETTI ENGINEERING, P.C.

14 Smith Avenue, Mount Kisco, N.Y. 10549

(914) 666-9800

Info@AlfonzettiEng.com

Building Department  
Town of North Castle  
17 Bedford Road  
Armonk, NY 10504

May 11, 2022

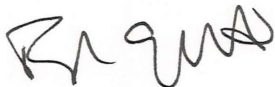
Re: 82 Round Hill Road  
Town of North Castle

For your review and approval, please find enclosed the following:

- Two (2) sets of plans entitled:
  - "Site Plan, 82 Round Hill Road, Town of North Castle, Westchester County, New York, dated April 3, 2019, last revised on May 6, 2022."
  - "Site Details, 82 Round Hill Road, Town of North Castle, Westchester County, New York, dated April 3, 2019, last revised on May 6, 2022."
- One (1) Application for Revision to Approved Plans.
- One (1) check No. 2342 made out to the Town of North Castle in the amount of \$75.00.

Please call if there are any questions.

Thank you,



Ralph Alfonzetti, P.E.  
ALFONZETTI ENGINEERING, P.C.

TOWN OF NORTH CASTLE  
BUILDING DEPARTMENT

MAY 12 2022

RECEIVED

RECEIVED

MAY 14 2022

TOWN OF NORTH CASTLE  
BUILDING DEPARTMENT