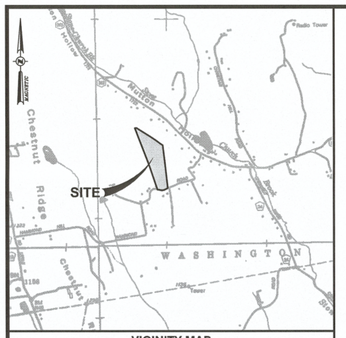


VICINITY MAP
SCALE: 1"= 2000'

LEGEND:

EXISTING CONDITIONS:

- PROPERTY LINE NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- GRAVEL — EXISTING GRAVEL DRIVEWAY
- EXISTING STONE WALL
- EXISTING POND/LAKE
- OHW — EXISTING OVERHEAD WIRES
- ST 15"RCP — EXISTING UNDERGROUND STORM LINE

SYMBOLS:

- MB — EXISTING MAILBOX
- FP — EXISTING FENCE POST
- PST — EXISTING POST
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- IPF — EXISTING IRON PIPE FOUND
- IRF — EXISTING IRON ROD FOUND
- EXISTING GUY WIRE
- EXISTING UTILITY POLE
- EXISTING TEST PIT

NYSP NAD83 EAST ZONE

Lands Now or Formerly of
KOREEN M. & LAWRENCE H. BOVA
Deed Doc. No. 02-2015-4462
Tax Parcel: 6964-00-566183
P/O Lot 13 Filed Map# 3655

Lands Now or Formerly of
MARY PATRICIA BYRNE-HIGGINS
Deed Doc. No. 02-2010-4492
Tax Parcel: 6964-00-556202
P/O Lot 14 Filed Map# 3655

Lands Now or Formerly of
ELISABETH M. BENNETT
Deed Doc. No. 02-2015-2042
Tax Parcel: 6964-00-531225
Lot 15&16 Filed Map# 3655

Lands Now or Formerly of
LYNNE A. & GEORGE M. EISENHUT JR.
Deed Book 1653 Page 325
Tax Parcel: 6964-00-515239
Lot 17 Filed Map# 3655

Lands Now or Formerly of
KAREN & ANGELA SCANTLEBURY
Deed Doc. No. 02-2017-506
Tax Parcel: 6964-00-490255
Lot 18 Filed Map# 3655

Lands Now or Formerly of
KYLIE McCARRON
Deed Doc. No. 02-2014-7398
Tax Parcel: 6964-02-462267
Lot 19 Filed Map# 3655

Lands Now or Formerly of
VINCENT GIESMUNDO
Deed Book 1429 Page 57
Tax Parcel: 6964-00-574095

Lands Now or Formerly of
ROSELLA & JOHN DeLUCA
Deed Doc. No. 02-2006-10267
Tax Parcel: 6963-00-595902

Lands Now or Formerly of
FREDERICK G. BURNETT
Deed Book 1329 Page 915
Tax Parcel: 6963-00-532997
Filed Map# UNFL

Lands Now or Formerly of
ANDREW & STEPHANIE DONNELLY
Deed Doc. No. 02-2017-5788
Tax Parcel: 6563-00-526974
Lot 1 Filed Map# 4284

Lands Now or Formerly of
TIFFANY S. & JUSTIN K. MACEDONIA
Deed Doc. No. 02-2013-6146
Tax Parcel: 6964-00-496036

Lands Now or Formerly of
ELISE & JONATHAN ROSEN
Deed Doc. No. 02-2002-8738
Tax Parcel: 6964-00-467129

AREA: 22.28 ACRES

HAMMOND HILL ROAD
(USER ROAD NO DEFINED WIDTH)

BENCHMARK
SPK SVY BENCH TIE
ELEV.=1108.58

INTERMITTENT STREAM

S06°45'30"E
S07°10'40"E 94.68'
S04°16'0"E 189.89'
S09°43'10"E 192.37'
S04°55'
S07°31'40"E
N81°34'40"E 52.79'
N21°05'10"W
1427.04'
S86°48'06"W 84.55'
S69°22'23"W 70.72'
S79°23'37"W 58.42'
N85°08'16"W 56.47'
N76°46'16"W 81.08'
800.16'
N18°56'50"W 1364.93'

CRS = CORNER RECOVERED SURVEY
IPF = IRON PIPE FOUND
IRF = IRON ROD FOUND
POSTED SIGNS
LIMITS OF TOPO, JANUARY 7, 2020
GRAVEL DRIVEWAY
WOODED
CLEARED WOODS
FIELD
BRUSH PILE

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SURVEYED WITHOUT THE BENEFIT OF A TITLE SEARCH.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT COVERED BY THIS CERTIFICATE.

COPYRIGHT CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C., ALL RIGHTS RESERVED.

SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.

SUBJECT TO THE INTEREST OF OTHERS IN AND TO THAT PORTION OF HAMMOND HILL ROAD USED FOR ROAD PURPOSES.

NORTH ORIENTATION IS PER NEW YORK STATE PLANE EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83). BEARINGS SHOWN ARE REFERENCED TO THIS DATUM AND THEREFORE MAY NOT MATCH RECORDED BEARINGS.

VERTICAL CONTROL IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DERIVED FROM ON SITE STATIC GNSS OBSERVATIONS ON THE NYSDOT RTN NETWORK, DATED NOVEMBER 20, 2020.

HORIZONTAL DATUM AND NORTH ORIENTATION ARE BASED ON THE NYS PLANE COORDINATE SYSTEM (NAD83–NY EAST ZONE) UTILIZING GNSS OBSERVATIONS ON THE NYSDOT RTN NETWORK, NAVD88, GEOID 18 AT THE TIME OF FIELD SURVEY NOVEMBER 20, 2020.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL COMPLY WITH NEW YORK STATE INDUSTRIAL CODE RULE 753 – 48 HOURS PRIOR TO DIGGING CALL DIGSAFELY NEW YORK 1–800–962–7962 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.

DEED REFERENCE:

JOANNE ORSINI AS EXECUTOR OF ADMINISTRATOR C.T.A. OF THE LAST WILL AND TESTAMENT OF MARY PAPANICOLAOU TO JOANNE ORSINI ET AL, DATED MARCH 10, 2020 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON MAY 12, 2020 IN DEED DOC NO. 02-2020-50813

TAX PARCEL DESIGNATION:

TOWN OF WASHINGTON, DUTCHESS COUNTY, NEW YORK
6964-00-514140

FLOOD ZONE NOTE:

PARCELS DEPICTED HEREON DETERMINED TO BE LYING WITHIN ZONE, "OTHER AREAS – ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF WASHINGTON, IDENTIFIED AS MAP NUMBER 36027C0338E BEARING AN EFFECTIVE DATE OF MAY 2, 2012.

CERTIFICATIONS:

MICHA MAGID

SCALE IN FEET
1"=60'
60 0 60

ORIGINAL SCALE IN INCHES
0 1 2 3

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY ANY PARTY ON EXTENSIONS OF THIS PROJECT OR ANY OTHER PROJECT EXCEPT BY AGREEMENT IN WRITING SIGNED BY CHAZEN. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT, LANDSCAPE ARCHITECT OR GEOLOGIST). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION 'ALTERED BY' FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JANUARY 7, 2021 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

STATE OF NEW YORK — STEVEN JAY ALEC — LICENSED LAND SURVEYOR — 050016

STEVEN J. ALEC, L.S. #50016

CHAZEN ENGINEERING, LAND SURVEYING,
LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.
THE Chazen COMPANIES
Proud to be Employee Owned
www.chazencompanies.com
(888) 539-9073

Hudson Valley Office
21 Fox Street
Poughkeepsie, New York 12601

Office Locations
- Glens Falls, NY
- Troy, NY
- Poughkeepsie, NY
- White Plains, NY
- New York City, NY

rev.	date	description

HAMMOND HILL ROAD

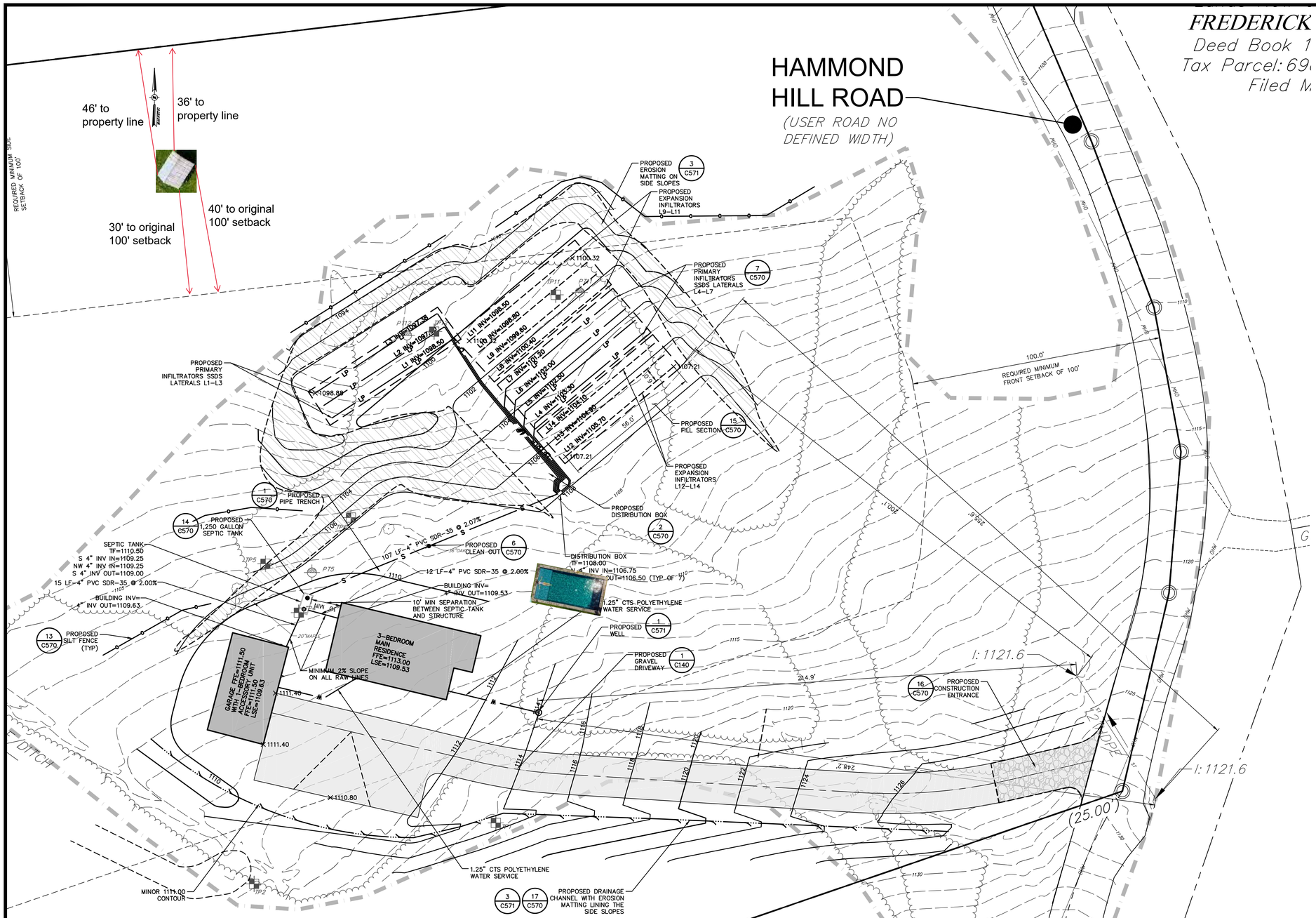
MAP OF BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY PREPARED FOR MICHA MAGID

TOWN OF WASHINGTON, DUTCHESS COUNTY, NEW YORK

designed AJF	checked JMT
date 11/30/20	scale 1"=60'
project no. 52079.00	
sheet no. SV1	

Drawing Name: Z:\projects\52000-52099\52079.00 Magid\SVY\dwg\05_SVY_52079-00-BOUNDARY.dwg
Xref's Attached: XBASE-SVY-52079-00
Date Printed: Jan 15, 2021, 2:51pm

SVY-XXXXX



1/C140 **GRADING, UTILITY & EROSION/SEDIMENT CONTROL PLAN**
SCALE: 1"=20'

UTILITY LEGEND:

- FM — PROPOSED FORCE MAIN
- S — PROPOSED SANITARY SEWER LINE
- LP — PROPOSED INFILTRATOR
- ST — PROPOSED STORM DRAIN LINE
- PROPOSED SANITARY MANHOLE
- PROPOSED CLEANOUT
- PROPOSED SILT FENCE
- 390 — PROPOSED 2 FT CONTOUR
- +385 — PROPOSED SPOT ELEVATION
- PROPOSED TREE LINE
- PROPOSED WORK LIMIT LINE
- TF= — FINISHED GRADE OF RISER
- DP A — EXISTING SOIL BORING
- PT A — EXISTING PERCOLATION TEST

DEEP TEST RESULTS

Test #	Date	Depth	Soil Description
DP–4	12/03/20	0.0–6"	TOP SOIL
		6"–55"	SILTY LOAM
		48"	WATER DEPTH
		27"	ROCK DEPTH
DP–5	12/03/20	0.0–6"	TOP SOIL
		6"–36"	SILTY LOAM
		36"	ROCK DEPTH
DP–6	12/03/20	0.0–6"	TOP SOIL
		6"–29"	SILTY LOAM
		29"	ROCK DEPTH
DP–11	12/03/20	0.0–6"	TOP SOIL
		6"–43"	SILTY LOAM
		37"	WATER DEPTH
		30"	ROCK DEPTH
DP–12	12/03/20	0.0–6"	TOP SOIL
		6"–46"	SILTY LOAM
		41"	WATER DEPTH
		46"	ROCK DEPTH

PERCOLATION TEST RESULTS

Test #	Date	Stabilized Rate (min/in)	DEPTH
PT 5	12/04/20	9 MIN	2' BELOW GRADE
PT 11	12/04/20	14 MIN	2' BELOW GRADE
PT 12	12/04/20	45 MIN	2' BELOW GRADE

PERCOLATION TESTS WERE DUG AND PRE–SOAKED ON DECEMBER 3, 2020.

GENERAL NOTES:

1. DISCHARGE PIPE FROM DISTRIBUTION BOX TO INFILTRATORS SHALL BE 4" DIA. SOLID PVC SDR 35 @ 1% MIN.
2. THE DC EHSD SHALL BE NOTIFIED PRIOR TO THE BACKFILLING OF ANY COMPLETED ONSITE WASTEWATER TREATMENT SYSTEM SO THAT A FINAL INSPECTION MAY BE PERFORMED.
3. THE DC EHSD SHALL BE NOTIFIED SIXTY DAYS PRIOR TO ANY CHANGE IN USE; USE CHANGES MAY REQUIRE RE–APPROVAL BY THE DC EHSD.
4. THE WELL AND SEWAGE DISPOSAL SYSTEM SHALL BE SURVEY LOCATED BY A NEW YORK STATE LICENSED LAND SURVEYOR PRIOR TO PERFORMING ANY WORK.
5. THE PRIMARY AND EXPANSION AREA FILL SHALL BE PLACED AT THE SAME TIME.

INFILTRATOR SYSTEM DESIGN CALCULATIONS

DESIGN FLOW = 440GPD

PERCOLATION RATE = 46–60 MINUTES

APPLICATION RATE = 0.45

AREA RQUIRED= 440/.45= 978SF
978SF/2 FT=489LF OF TRENCH

AREA PROVIDE = 489LF * 0.75 (INFILTRATOR REDUCTION CONSTANT) = 367 LF

LINEAR FOOTAGE PROPOSED 7 ROWS X 56 L.F. 392 LF TOTAL

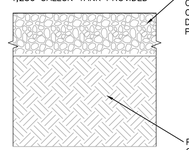
FILL NOTES:

1. SAND AND GRAVEL FILL WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL, AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED. THE FILL SHALL SHALL BE PLACED IN 6" LIFTS, MECHANICALLY COMPACTED, AND ALLOWED TO NATURALLY SETTLE FOR A MINIMUM OF ONE MONTH. THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER PLACE, IS OF THE PROPER QUANTITY AND DIMENSIONS, AND IS OF THE PROPER QUALITY. PROPER QUALITY MUST BE DEMONSTRATED BY STABILIZED PERCOLATION TESTS, THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEERS CERTIFICATION.

SEPTIC TANK DESIGN NOTES

TANK 1:
AVERAGE DAILY FLOW = 440 GPD (4–BEDROOMS)

TANK SIZE = 440 X1.5 =660 GPD
1,250 GALLON TANK PROVIDED



1/C140 **GRAVEL DRIVEWAY SECTION DETAIL**
SCALE: NOT TO SCALE

Dig Safely. New York
Call Before You Dig
Wait The Required Time
Mark Utilities To Response
Request Meet Arrive
Dig With Care
800-962-7962
www.digsafelynewyork.com

ISSUED FOR DCDOH APPROVAL

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT, LANDSCAPE ARCHITECT OR GEOLOGIST). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION 'ALTERED BY' FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

0 1 2 3
ORIGINAL SCALE IN INCHES

STATE OF NEW YORK — CHRISTOPHER PAUL LAPINE — 079970 — LICENSED PROFESSIONAL ENGINEER

CHAZEN ENGINEERING, LAND SURVEYING,
LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.
THE Chazen COMPANIES®
Proud to be Employee Owned
www.chazencompanies.com
(888) 539-9073

Office Locations
Hudson Valley Office
21 Fox Street
Poughkeepsie, New York 12601
- Glens Falls, NY
- Troy, NY
- Poughkeepsie, NY
- White Plains, NY
- New York City, NY

rev.	date	description
2	06/07/21	REVISED PER DCDOH COMMENTS
1	04/06/21	REVISED PER DCDOH COMMENTS

MICHA MAGID

PROPOSED GRADING, UTILTY & EROSION/SEDIMENT CONTROL PLAN

TOWN OF WASHINGTON, DUTCHESS COUNTY, NEW YORK

designed	checked
KTB	CPL
date	scale
02/05/21	1"=20'
project no.	
52079.00	
sheet no.	
C140	

Drawing Name: Z:\projects\52000–52099\52079.00 Magid\DWG\01_C140_52079.00_GRAD_UTILITY.dwg
Xref's Attached: XTB_52079.00_H24x36; XBASE_ENG_52079.00; XLAYOUT_52079.00; XUTILITY_52079.00
Date Printed: Jun 08, 2021, 3:25pm