

# TOWN OF NORTH CASTLE

WESTCHESTER COUNTY 17 Bedford Road Armonk, New York 10504-1898

RESIDENTIAL PROJECT REVIEW COMMITTEE Adam R. Kaufman AICP, Chair Telephone: (914) 273-8625 Fax: (914) 273-3554 www.northcastleny.com

## **RPRC RETURN LETTER**

Application Number: 2022-0602

Street Location: 5 SHIPPEN RD

Zoning District: R-1.5A Property Acreage: 1.5

Tax ID: 107.04-2-51

Date: 08/02/2022

**RPRC DECISION: OPEN** 

The above referenced application was reviewed by the Residential Project Review Committee (RPRC) on August 2, 2022.

The Committee determined that given the submitted plans, additional information is required to be reviewed prior to a decision of the RPRC.

The following issues should be addressed at this time:

- The site plan shall be revised to contain the seal and signature of the professional preparing the plan.
- The submitted plan does not appear to be correct. The plan depicts a wooden deck at the rear of the house; however, the site contains a patio in this location. The plan shall be revised to clarify whether a deck is proposed. If a deck is not proposed, the site plan should be revised to correctly label the patio.
- The site plan contains a red rectangle. Based upon the submitted application, this appears to be the location of a proposed patio; however, the site plan should be revised to clearly indicate that a patio is proposed in this location.
- In addition, the patio appears to be larger than that depicted on the plan; the Applicant shall clearly depict the extent of the patio on the plans. Furthermore, it appears that slate walkways were added to both sides of the house; these walkways should be depicted on the site plan and the gross land coverage added to the worksheet and backup data.
- The existing driveway appears to be currently undergoing work. The site plan should be revised to depict what work is being done in this area. The site plan should indicate whether the driveway is being expanded. If so, the gross land coverage associated with the changes should be depicted on the GLC worksheet and backup data.
- In general, the site plan should be updated by a licensed professional to clearly depict existing/proposed conditions and clearly identify work to be legalized.
- If required by the Building Department, the site plan shall be revised to dimension the patio to adjacent property lines. Pursuant to Section 355-15.A of the Town Code, the patio can't be located closer than 5 feet to any property line.

- It appears that fill has been brought onto the site. The site plan should depict changes to topography and the amount of fill brought to the site. In addition, a fill permit may be required from the Building Department.
- The Applicant shall provide the required gross land coverage backup data for review.
- The applicant shall perform deep and percolation soil testing in the vicinity of the proposed mitigation system to be witnessed by the Town Engineer. The test locations and results shall be shown on the plan. Contact the Town Engineer to schedule the testing.
- Provide stormwater mitigation and design calculations for the runoff generated by the net increase in impervious surface for the 25-year, 24-hour design storm event. Provide details of the stormwater mitigation system.
- The plan shall illustrate the drainage pipe connections on the site plan. Include the size, slope and material.
- Include erosion control measures on the plan, including, but not limited to, temporary silt fence, etc.

Please submit revised plans addressing the above issues to the RPRC. If revised plans will not be submitted, please contact my office so that the RPRC can reconvene and conclude the review process.

If you would like to further discuss this matter, please do not hesitate to contact my office at 914-273-3542.

Adam R. Kaufman, AICP Director of Planning



September 13, 2022

Residential Project Review Committee Adam R. Kaufman AICP, Chair 17 Bedford Road Armonk, NY 10504

Re: RPRC Return Letter, dated August 2, 2022 5 Shippen Rd Application No. 2022-0602

We are in receipt of the above-captioned RPRC Return Letter. Following is our response. Responses below are in the same order as the items in the RPRC Return Letter.

- Stamped and signed site plan(s) have been provided.
- Site plan has been amended to reflect actual site conditions and dimensions.
- Area of "red rectangle" has been clarified on site plans.
- Patio dimensions have been field-verified and adjusted accordingly on site plans. Walkways to the East and North of the house were in place previously and are shown on the "Existing" and "Proposed" site plans on drawing S.01. Walkway on the west side of the house is new and is shown on the "Proposed" plan only.
- Scope of work on driveway has been shown and increased area is included in the gross land coverage calculations.
- Site plan has been updated by my office, under my license, to depict existing and proposed conditions, with new work called out on drawing 3/S.01.
- Dimensions locating the patio to adjacent property lines have been added to drawing 3/S.01.
- No fill has been brought to the site. A note to this effect has been added to drawing 3/S.01.
- A copy of the Gross Land Coverage Calculations Worksheet has been submitted.
- Per conversations with the Town Engineer, the design capacity for the stormwater infiltrators was calculated to store the 25-year, 24-hour design storm event without reductions for infiltration/percolation into the in-situ soils A three-foot over-excavation in the location of the infiltrators will be performed in the presence of the Town Engineer to ensure groundwater is not encountered.
- Stormwater volume calculations are provided on drawing SW-101.
- Drainage pipe information is indicated on drawings SW-101 and SW-102.
- Erosion control measures are shown on drawings S.01, SW-101 and SW-102.



**TOWN OF NORTH CASTLE** 

**WESTCHESTER COUNTY 17 Bedford Road** Armonk, New York 10504-1898

PLANNING DEPARTMENT Adam R. Kaufman, AICP **Director of Planning** 

Telephone: (914) 273-3542 Fax: (914) 273-3554 www.northcastleny.com

## **GROSS LAND COVERAGE CALCULATIONS WORKSHEET**

Applica	tion Name or Identifying Title: Rebecca Lerner	Date:	08-20-22
Tax Maj	p Designation or Proposed Lot No.: Section 107.04 Block 2 Lot 51		
<u>Gross L</u>	ot Coverage		
1.	Total lot Area (Net Lot Area for Lots Created After 12/13/06):		65,473 SF
2.	Maximum permitted gross land coverage (per Section 355-26.C(1)(a)):		11,322.44 SF
3.	<b>BONUS</b> maximum gross land cover (per Section 355-26.C(1)(b)):		
	Distance principal home is beyond minimum front yard setback 228 $x 10 =$		2,280 SF
4.	<b>TOTAL Maximum Permitted gross land coverage</b> = Sum of lines 2 and 3		13,602.44 SF.
5.	Amount of lot area covered by <b>principal building:</b> <u>2,970</u> existing + <u>0</u> proposed =		2,970 SF
6.	Amount of lot area covered by <b>accessory buildings:</b> <u>0</u> existing + <u>0</u> proposed =		0 SF
7.	Amount of lot area covered by <b>decks:</b> <u>812.94</u> existing + <u>-(812.94)</u> proposed =		0 SF
8.	Amount of lot area covered by <b>porches:</b> <u>0</u> existing + <u>proposed</u> =		0 SF
9.	Amount of lot area covered by <b>driveway, parking areas and walkways:</b> <u>5,100</u> existing + <u>285</u> proposed =		5,385 SF
10.	Amount of lot area covered by <b>terraces:</b> <u>375</u> existing + <u>940</u> proposed =		1,315 SF
11.	Amount of lot area covered by tennis court, pool and mechanical equip: <u>25</u> existing + <u>0</u> proposed =		25 SF
12.	Amount of lot area covered by <b>all other structures:</b> <u>o</u> existing + <u>proposed</u> =		0 SF
13.	Proposed gross land coverage: Total of Lines $5 - 12 =$		9,695 SF

If Line 13 is less than or equal to Line 4, your proposal complies with the Town's maximum gross land coverage regulations and the project may proceed to the Residential Project Review Committee for review. If Line 13 is greater than Line 4 your proposal does not comply with the Town's regulations.



08-20-22 Date







- SOIL STOCKPILING NOTES: I. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND
- 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.
- 4. SEE DETAIL FOR INSTALLATION OF SILT FENCE. 5. ANY IMPORTED SOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR QUALITY AND RESIDENTIAL

SILT FENCE & STOCKPILE ONLY NEED TO BE INSTALLED IF SOIL IS

- I. EXCAVATE A 4"X4" TRENCH ALONG THE LOWER PERIMETER
- 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
- 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES AWAY FROM DIRECTION OF
- 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT
- 5. JOIN SECTIONS AS SHOWN ABOVE.

ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS DATED NOVEMBER

SILT FENCE ONLY NEEDS TO BE INSTALLED IF SOIL IS

- SHALL BE PROTECTED BY FENCING, AS
- 2. INSTALL TREE PROTECTION FENCE AT TREE DRIP LINE OR AT EDGE OF DISTURBED AREA, COMMENCEMENT OF CONSTRUCTION.
- 3. SPACE TREE PROTECTION ZONE SIGNS A MINIMUM OF ONE EVERY 300 FEET. THE SIZE OF EACH SIGN MUST BE A MINIMUM OF 2'X2' AND BE VISIBLE FROM BOTH SIDES OF THE FENCE. THE SIGN MUST CONTAIN THE FOLLOWING LANGUAGE IN BOTH ENGLISH & SPANISH: "TREE PROTECTION
- 4. THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE
- 5. TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION

	2 OVERHILL ROAD, SUITE 400, SCARSDALE, NY 10583 P: (914) 458-1110 WWW.VERITASHOMESERVICES.COM	
	PLANS PREPARED FOR B SHIPPEN RD ARMONK, NY 10504 MARNING REPORTING AND AND AND ARMING A LEASE OF AND	this information without the written consent of the Engineer is expressly prohibited. All rights reserved.
	KEY PLAN	Any reproduction or other use
	REBECCA LERNER 5 SHIPPEN RD ARMONK, NY 10504	the Engineer and Client.
	IOCAL MUNICIPALITY: TOWN OF NORTH CASTLE 15 BEDFORD ROAD ARMONK, NY 10504	in are the sole property o
	REVISIONS   NO. DATE DESCRIPTION   Image: Image	nd details presented here
	5 SHIPPEN ROAD STORM WATER DETAILS	, construction drawings at
2"	DATE 09/12/2022 SCALE AS NOTED SHEET # SW-102	le design concepts.



Project Information:	Date:
Stormwater Design	9/1/2022
5 Shippen Road, Armonk, NY 10504	
By: J. Gaspar, P.E.	









155.09 Min. Area Required Note: Min. Area required is based on

12" around the system and typ. spacing

CULTEC Recharger 330XLHD Incremental Storage Volumes								
Height of System	Chamber Volume	HVLV FC-24 Feed Connector Volume	Stone Volume	Cumulative Storage Volume	Total Cumulative Storage Volume	Elevation		
in	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft		
48.5	0.00	0.00	5.17	5.17	352.24	104.04		
47.5	0.00	0.00	5.17	5.17	347.07	103.96		
46.5	0.00	0.00	5.17	5.17	341.90	103.88		
45.5	0.00	0.00	5.17	5.17	336.73	103.79		
44.5	0.00	0.00	5.17	5.17	331.56	103.71		
43.5	0.00	0.00	5.17	5.17	326.39	103.63		
42.5	0.00	0.00	2.58	2.59	321.22	103.54		
42	0.43	0.00	5.00	5.43	318.63	103.50		
41	1.15	0.00	4.71	5.86	313.21	103.42		
40	1.89	0.00	4.41	6.30	307.35	103.33		
39	2.79	0.00	4.05	6.84	301.05	103.25		
38	3.38	0.00	3.82	7.19	294.20	103.17		
37	3.89	0.00	3.61	7.51	287.01	103.08		
36	4.30	0.00	3.45	7.75	279.50	103.00		
35	4.66	0.00	3.31	7.96	271.76	102.92		
34	4.97	0.00	3.18	8.15	263.79	102.83		
33	5.24	0.00	3.07	8.32	255.64	102.75		
32	5.49	0.00	2.97	8.46	247.32	102.67		
31	5.72	0.00	2.88	8.60	238.86	102.58		

Height of System	Chamber Volume	HVLV FC-24 Feed Connector Volume	Stone Volume	Cumulative Storage Volume	Total Cumulative Storage Volume	Elevation
in	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft
30	5.94	0.00	2.79	8.73	230.26	102.50
29	6.10	0.00	2.73	8.83	221.53	102.42
28	6.37	0.00	2.62	8.99	212.70	102.33
27	6.62	0.00	2.52	9.14	203.71	102.25
26	6.66	0.00	2.51	9.17	194.57	102.17
25	6.73	0.00	2.48	9.21	185.41	102.08
24	6.77	0.11	2.46	9.34	176.20	102.00
23	6.82	0.09	2.44	9.35	166.86	101.92
22	6.84	0.09	2.43	9.36	157.51	101.83
21	6.89	0.09	2.42	9.39	148.15	101.75
20	7.04	0.08	2.35	9.48	138.76	101.67
19	7.22	0.08	2.28	9.58	129.28	101.58
18	7.25	0.07	2.27	9.59	119.70	101.50
17	7.27	0.07	2.26	9.60	110.11	101.42
16	7.29	0.06	2.25	9.61	100.51	101.33
15	7.31	0.05	2.24	9.60	90.91	101.25
14	7.36	0.02	2.23	9.60	81.30	101.17
13	7.47	0.01	2.18	9.66	71.70	101.08
12	0.00	0.00	5.17	5.17	62.03	101.00
11	0.00	0.00	5.17	5.17	56.86	100.92
10	0.00	0.00	5.17	5.17	51.70	100.83
9	0.00	0.00	5.17	5.17	46.53	100.75
8	0.00	0.00	5.17	5.17	41.36	100.67
7	0.00	0.00	5.17	5.17	36.19	100.58
6	0.00	0.00	5.17	5.17	31.02	100.50
5	0.00	0.00	5.17	5.17	25.85	100.42
4	0.00	0.00	5.17	5.17	20.68	100.33
3	0.00	0.00	5.17	5.17	15.51	100.25
2	0.00	0.00	5.17	5.17	10.34	100.17
1	0.00	0.00	5.17	5.17	5.17	100.08





NOAA Atlas 14, Volume 10, Version 3 Location name: Armonk, New York, USA\* Latitude: 41.1303°, Longitude: -73.7074° Elevation: 366.34 ft\*\* \* source: ESRI Maps \*\* source: USGS



### POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sandra Pavlovic, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Orlan Wihite

NOAA, National Weather Service, Sliver Spring, Maryland

PF tabular PF graphical Maps & aerials

### PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) <sup>1</sup>										
Dunation	Average recurrence interval (years)									
Duration	1	2	5	10	25	50	100	200	500	1000
5-min	0.364	0.423	0.520	0.600	0.711	0.795	0.881	0.975	1. <b>11</b>	<b>1.21</b>
	(0.283-0.461)	(0.328-0.536)	(0.402-0.660)	(0.460-0.764)	(0.529-0.936)	(0.579-1.06)	(0.622-1.21)	(0.656-1.37)	(0.717-1.59)	(0.765-1.77)
10-min	0.516	0.600	0.737	0.851	<b>1.01</b>	1.13	1.25	1.38	1.57	1.71
	(0.400-0.653)	(0.465-0.759)	(0.569-0.935)	(0.653-1.08)	(0.749-1.33)	(0.820-1.51)	(0.882-1.72)	(0.931-1.94)	(1.02-2.26)	(1.08-2.51)
15-min	0.607	0.706	0.867	1.00	<b>1.19</b>	1.33	1.47	1.63	1.84	2.02
	(0.471-0.768)	(0.547-0.893)	(0.669-1.10)	(0.768-1.28)	(0.881-1.56)	(0.964-1.77)	(1.04-2.02)	(1.10-2.28)	(1.20-2.66)	(1.27-2.95)
30-min	0.853	0.991	1.22	1.40	1.66	1.86	2.06	2.26	2.54	2.76
	(0.662-1.08)	(0.768-1.25)	(0.939-1.54)	(1.08-1.79)	(1.23-2.18)	(1.35-2.48)	(1.45-2.81)	(1.53-3.17)	(1.65-3.67)	(1.75-4.05)
60-min	1.10	1.28	1.57	1.80	2.13	2.39	2.64	2.90	3.25	3.51
	(0.852-1.39)	(0.988-1.62)	(1.21-1.99)	(1.39-2.30)	(1.58-2.80)	(1.73-3.18)	(1.86-3.61)	(1.96-4.07)	(2.11.4.68)	(2.22-5.14)
2-hr	1.45	1.68	2.05	2.35	2.77	3.10	3.42	3.77	4.23	4.60
	(1.13-1.82)	(1.31-2.11)	(1.59-2.58)	(1.82-2.98)	(2.07-3.62)	(2.26.4.10)	(2.42.4.66)	(2.55-5.25)	(2.76-6.06)	(2.92.6.69)
3-hr	1.68	1.94	2.38	2.74	3.23	3.61	4.00	<b>4.41</b>	4.98	5.43
	(1.31-2.10)	(1.52-2.43)	(1.85-2.98)	(2.12-3.45)	(2.42-4.21)	(2.65-4.77)	(2.84-5.43)	(2.99-6.12)	(3.25-7.10)	(3.45-7.88)
6-hr	2.10	2.46	3.04	3.53	4.20	4.70	5.23	5.81	6.64	7.31
	(1.66-2.61)	(1.94-3.06)	(2.39-3.80)	(2.75.4.42)	(3.17-5.44)	(3.47-6.19)	(3.75-7.09)	(3.95-8.02)	(4.34-9.41)	(4.67-10.5)
12-hr	2.54	3.03	3.83	4.49	5.39	6.07	6.79	7.62	8.81	9.81
	(2.02-3.14)	(2.40-3.75)	(3.02.4.74)	(3.52.5.58)	(4.10-6.96)	(4.52.7.97)	(4.91.9.19)	(5.20-10.4)	(5.78-12.4)	(6.28-14.0)
24-hr	2.96	3.58	4.60	5.45	6.62	7.49	8.42	9.51	11.1	12.5
	(2.36-3.63)	(2.86-4.40)	(3.66-5.67)	(4.31.6.74)	(5.06-8.50)	(5.61.9.79)	(6.14.11.4)	(6.51.13.0)	(7.33-15.6)	(8.03-17.8)
2-day	3.33	4.08	5.30	6.32	7.72	8.75	9.87	<b>11.2</b>	13.3	15.0
	(2.68-4.06)	(3.27-4.97)	(4.24-6.48)	(5.02-7.76)	(5.94-9.86)	(6.60-11.4)	(7.25-13.3)	(7.71.15.2)	(8.75-18.4)	(9.67-21.2)
3-day	3.61	4.42	5.75	6.85	8.37	9.49	10.7	12.2	<b>14.4</b>	16.3
	(2.91.4.38)	(3.56-5.37)	(4.62-7.00)	(5.47-8.38)	(6.47-10.7)	(7.19-12.3)	(7.89-14.4)	(8.38-16.4)	(9.53-20.0)	(10.5-23.0)
4-day	3.87	4.73	6.12	7.28	8.88	<b>10.1</b>	11.3	<b>12.9</b>	<b>15.2</b>	<b>17.2</b>
	(3.13-4.68)	(3.82-5.72)	(4.93.7.44)	(5.83-8.88)	(6.88-11.3)	(7.64-13.0)	(8.37-15.2)	(8.88-17.3)	(10.1-21.0)	(11.1-24.2)
7-day	4.60	5.54	7.07	8.33	<b>10.1</b>	11.4	12.8	14.4	16.9	<b>19.0</b>
	(3.74.5.54)	(4.50-6.67)	(5.72.8.53)	(6.70-10.1)	(7.83-12.7)	(8.66-14.6)	(9.44-16.9)	(9.98-19.3)	(11.2-23.2)	(12.3-26.5)
10-day	5.32	6.31	7.92	9.26	<b>11.1</b>	12.5	13.9	15.6	<b>18.1</b>	20.2
	(4.34-6.38)	(5.14-7.57)	(6.43-9.53)	(7.47-11.2)	(8.65-13.9)	(9.51-15.9)	(10.3-18.3)	(10.9-20.8)	(12.1-24.8)	(13.1-28.1)
20-day	7.50	8.61	10.4	11.9	<b>14.0</b>	15.6	17.2	18.9	21.3	23.2
	(6.16-8.94)	(7.06-10.3)	(8.52.12.5)	(9.68-14.3)	(10.9-17.3)	(11.9-19.6)	(12.6-22.2)	(13.2-25.0)	(14.2-28.9)	(15.1-32.0)
30-day	9.33	10.5	<b>12.5</b>	<b>14.1</b>	16.3	<b>18.1</b>	19.8	21.5	23.9	25.6
	(7.69-11.1)	(8.67-12.5)	(10.2.14.9)	(11.5-16.9)	(12.8-20.1)	(13.8-22.5)	(14.5-25.3)	(15.1-28.3)	(16.0-32.2)	(16.7-35.2)
45-day	11.6	<b>12.9</b>	15.1	16.8	<b>19.3</b>	21.2	23.1	24.9	27.1	28.8
	(9.60-13.7)	(10.7-15.3)	(12.4-17.8)	(13.8-20.0)	(15.2-23.6)	(16.2-26.3)	(16.9.29.2)	(17.5-32.5)	(18.3-36.5)	(18.8-39.4)
60-day	13.5	<b>14.9</b>	<b>17.2</b>	<b>19.1</b>	<b>21.7</b>	23.8	25.8	<b>27.7</b>	30.0	31.6
	(11.2-15.9)	(12.4-17.6)	(14.2-20.3)	(15.7-22.7)	(17.1-26.5)	(18.3-29.4)	(19.0-32.5)	(19.5-36.1)	(20.2-40.2)	(20.7.43.1)

<sup>1</sup> Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not hocked against probability num precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

## Back to Top

### PF graphical





NOAA Atlas 14, Volume 10, Version 3

Created (GMT): Fri Sep 9 18:17:58 2022



## Maps & aerials

Small scale terrain





Large scale map



Large scale aerial

Back to Top



Disclaimer