

HERSHBERG & HERSHBERG
18 Locust Street
Albany, New York 12203
(518) 459-3096

FIELD REPORT

DISTRIBUTED BY E-MAIL ONLY

DATE: December 18, 2025

H & H FILE #2025-0190

REPORT #2025 0190 TEST PITS

TO: Kenneth Kovalchik, AICP
Town Planner/Stormwater Management Officer

CC:

FROM: Michael Buswell
Hershberg & Hershberg
mikebuswell@hershberg.com

PROJECT:
3633 Carman Road
Guilderland NY 12303
Test Pits/Preliminary Infiltration Test pits

THE FOLLOWING WAS NOTED:

On December 18 and 19, 2025, test pits were dug to test for depth to groundwater and a preliminary infiltration results. These tests were conducted by the contractor/owner and the preliminary infiltration test pits were witnessed by the engineer.

Jared George (applicant) forwarded the pictures of the test pits for groundwater to H&H. The photos show that the approximate depth to groundwater throughout the site was 7'-8'. The composite of the soil was a mixture of Elnora loamy fine sand and Stafford loamy fine sand.

On December 19, 2025, infiltration pits were dug and preliminary tests were done by the engineer and applicant. Five test pits were conducted. See figure 1 below for pit locations.

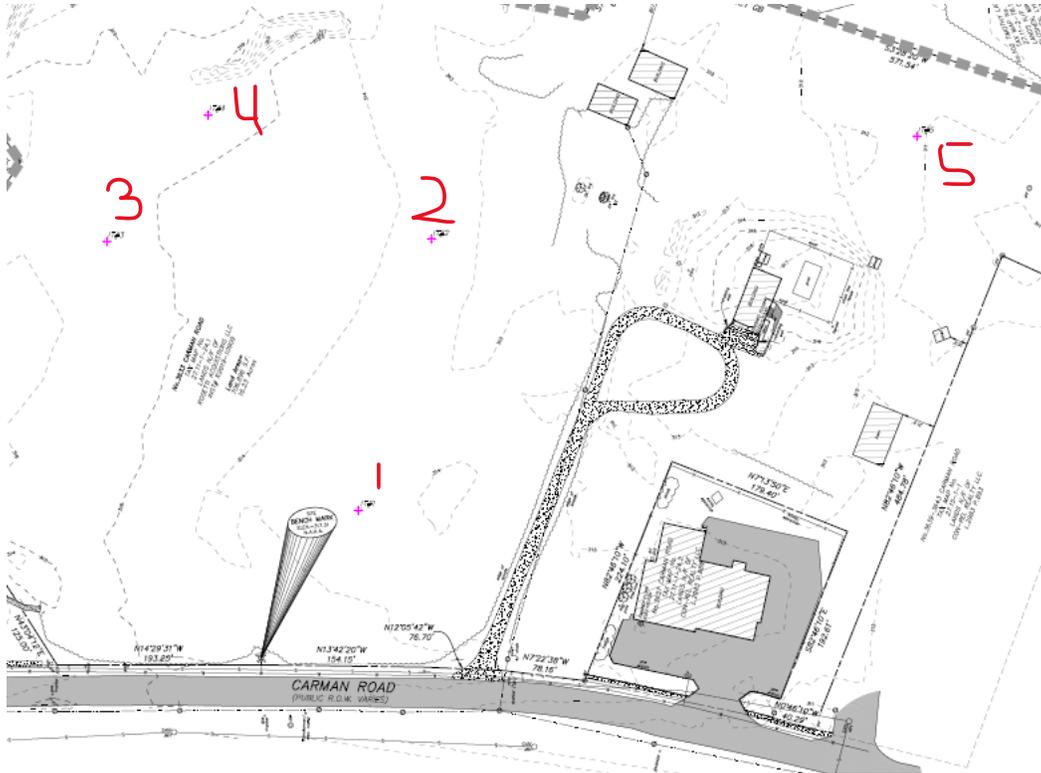


Figure 1

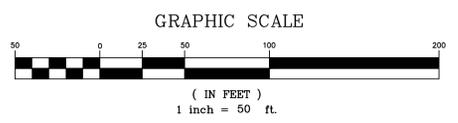
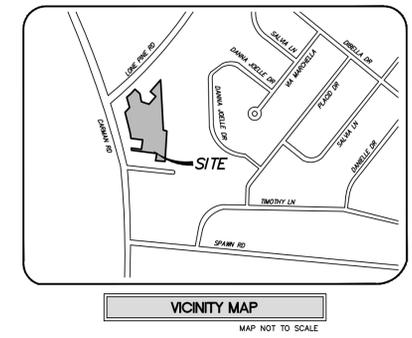
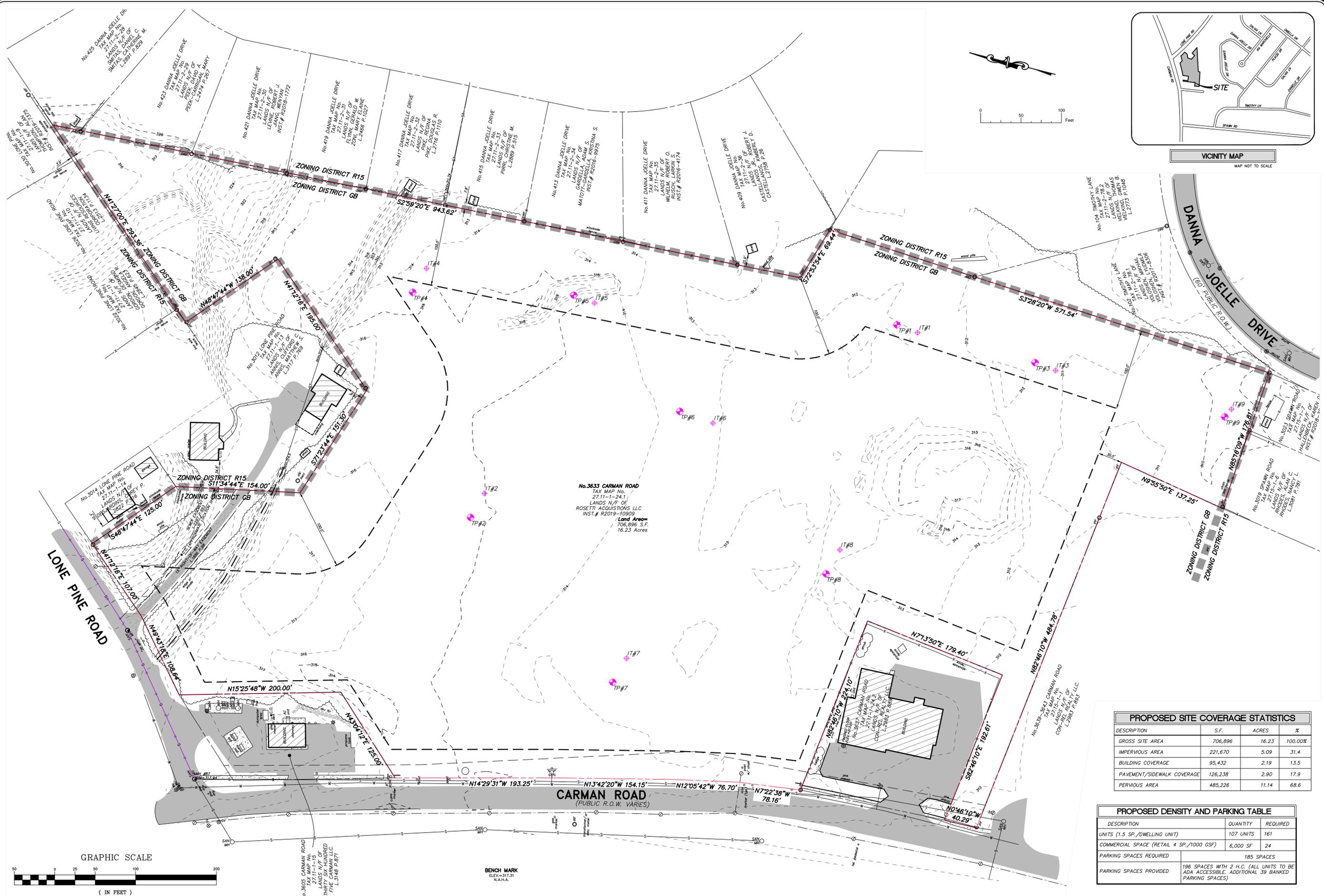
<i>Preliminary Infiltration Test Pit Table</i>	
<i>Infiltration Test Pit</i>	<i>Results (in/hour)</i>
1	0.5
2	2
3	10
4	2
5	0.5

Figure 2

Our analysis and conclusions from the results are as followed:

1. Any test pit with 0.5 in/hour or less will **NOT** be used for any stormwater infrastructure.
2. Test pits 2, 3, and 4 had the best results in terms of infiltration compared to the remainder of the site. Further investigation and tests by a professional geotechnical engineer shall be made once plans are being finalized.
3. With depth to groundwater being around 7 to 8 feet in depth, stormwater infrastructure will maintain a 2' separation from this level. This gives around 5 to 6 feet of design level for stormwater design. This could include stormwater piping, dry swales, or a bioretention pond with infiltration into groundwater.

4. Current site plans show dry swales and infiltration pipe galleries within the areas that show infiltration.



BENCH MARK
ELEV. 317.31
N.A.H.A.

PROPOSED SITE COVERAGE STATISTICS			
DESCRIPTION	S.F.	ACRES	%
GROSS SITE AREA	706,896	16.23	100.00%
IMPERVIOUS AREA	221,670	5.09	31.4
BUILDING COVERAGE	95,432	2.19	13.5
PAVEMENT/SIDEWALK COVERAGE	126,238	2.90	17.9
PERVIOUS AREA	485,226	11.14	68.6

PROPOSED DENSITY AND PARKING TABLE		
DESCRIPTION	QUANTITY	REQUIRED
UNITS (1.5 SP./DWELLING UNIT)	107 UNITS	161
COMMERCIAL SPACE (RETAIL 4 SP./1000 GSF)	6,000 SF	24
PARKING SPACES REQUIRED	185 SPACES	
PARKING SPACES PROVIDED	196 SPACES WITH 2 H.C. (ALL UNITS TO BE ADA ACCESSIBLE. ADDITIONAL 39 BANKED PARKING SPACES)	

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ILLEGAL.



DATE	REVISIONS

SCHEMATIC PLAN FOR DUTCH MILL ACRES
No. 3633 CARMAN ROAD
TOWN OF GUILDERLAND STATE OF NEW YORK

SCALE: 1"=50'
DATE: 7-9-2025
CHK: DRH
BY: SWC
FILE: 2025-0190
250190-1.DWG

(FOR MUNICIPAL APPROVAL ONLY-NOT INTENDED FOR CONSTRUCTION)

C1