



SOIL TYPE	DEPTH TO BEDROCK	DEPTH TO WATER TABLE	EROSION FACTOR Kf	EROSION FACTOR Kw	PERCENT CLAY
Ca CANANDAIGUA SILT LOAM	>200 CM	0 IN	0.49	0.49	22.2%
ErB ERIE GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES	>200 CM	6 - 18 IN	0.32	0.20	22.0%
PiB PITTSFIELD GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	>200 CM	> 80 IN	0.28	0.17	11.4%
PnC PITTSFIELD GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	>200 CM	> 80 IN	0.28	0.17	11.3%
PnD PITTSFIELD GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	>200 CM	> 80 IN	0.28	0.17	11.2%
UH UDORTHERTS, SMOOTHED	>200 CM	36 - 72 IN	0.24	0.15	10.6%

SOIL TESTING LOCATIONS

SHEFFIELD GARDENS
NYS ROUTE 17K
TOWN OF MONTGOMERY
ORANGE COUNTY, NEW YORK

DATE: JAN '24
REV SEPT. '24
SCALE: 1" = 200'

JOB # 103.0301
SHEET # GT-1

ENGINEERING & SURVEYING
PROPERTIES
Achieving Successful Results
with Innovative Designs

MONTGOMERY OFFICE
71 CLINTON STREET
MONTGOMERY, NY 12549
Ph: (845) 457-7727
WWW.EP-PC.COM

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DEEP TEST PIT SOIL RESULTS

WO. NO. 103.0301	DATE 12/13/23	REVISED	SHEET 1	OF 4
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PROJECT TITLE
Sheffield Gardens

LOCATION
NYS Route 17K, Montgomery, NY

CALCULATED BY
AK

APPROVED BY
RW

REF DRAWING(S)
Test Pit Locations 12-12-2023

Deep Test #	Depth	Soil Description
1 ~11:40am	0ft - 0.5ft 0.5ft - 3ft 3ft - 11ft 11ft - 14ft Seepage	Topsoil Tan Silty Clay Loam Brown Silty Clay Loam Brown Hard Silty Clay Loam Seepage found at 7ft
2 ~11:40am	0ft - 0.5ft 0.5ft - 5ft 5ft - 7ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found at 5ft, large mottling at 5.5ft
3 ~11:40am	0ft - 0.5ft 0.5ft - 4ft Seepage	Topsoil Tan Silty Clay Loam Seepage found at 1.5ft and below
4 ~12:00pm	0ft - 0.5ft 0.5ft - 3ft 3ft - 9.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found at 2ft, 3ft, and 6ft
5 ~12:20pm	0ft - 1ft 1ft - 2ft 2ft - 4.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found at 2ft
6 ~12:40pm	0ft - 0.5ft 0.5ft - 2ft 2ft - 4.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found at 1ft and below

Comments: Rocks 1 - 12" diameter commonly observed in hard clay layer.

No bedrock found. Mottling commonly found inside brown hard clay when broken. Clay would become harder with depth

Hardness of clay occasionally prevented from going deeper. Isolated G.W. seepage found in hard clay layer

DEEP TEST PIT SOIL RESULTS

WO. NO. 103.0301	DATE 12/13/23	REVISED	SHEET 2	OF 4
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Sheffield Gardens

LOCATION
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REF DRAWING(S)
Test Pit Locations 12-12-2023

Deep Test #	Depth	Soil Description
7 ~1:10pm	0ft - 1ft 1ft - 3ft 3ft - 9.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Groundwater found between 1ft - 5ft, mottling @ 3ft
8 ~1:55pm	0ft - 1ft 1ft - 4ft 4ft - 11ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Groundwater found between 1ft - 4ft, mottling @ 4ft
9 ~2:25pm	0ft - 1ft 1ft - 4ft 4ft - 6.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Groundwater found between 1ft - 4ft
10 ~3:00pm	0ft - 1ft 1ft - 3ft 3ft - 8ft 8ft - 11ft Seepage	Topsoil Tan Silty Clay Loam Brown Silty Clay Loam Brown Hard Silty Clay Loam Groundwater found between 1ft - 8ft
11 ~3:50pm	0ft - 1ft 1ft - 5ft 5ft - 13 Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Groundwater seepage found between 1ft - 5ft

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DEEP TEST PIT SOIL RESULTS

WO. NO. 103.0301	DATE 12/14/23	REVISED	SHEET 3	OF 4
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REF DRAWING(S)
Test Pit Locations 12-12-2023

Deep Test #	Depth	Soil Description
12 ~8:15am	0ft - 0.5ft 0.5ft - 3ft 3ft - 5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found between 0.5ft - 3ft
13 ~8:25am	0ft - 1ft 1ft - 3ft 3ft - 4.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found between 1ft - 3ft
14 ~9:00am	0ft - 1ft 1ft - 3ft 3ft - 10.5ft 10.5ft - 11.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Brown-Grey Hard Silty Clay Loam Seepage found between 1ft - 11.5ft
15 ~9:45am	0ft - 1ft 1ft - 3ft 3ft - 10.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage found between 1ft -7ft, mottling found at 7ft
16 ~10:15am	0ft - 1ft 1ft - 3ft 3ft - 4.5ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Seepage seepage found 1ft - 4.5ft
17 ~11:15am	0ft - 1ft 1ft - 2.5ft 2.5ft - 12ft 12ft - 13ft Seepage	Topsoil Tan Silty Clay Loam Brown Hard Silty Clay Loam Brown-Grey Hard Silty Clay Loam Seepage found between 1ft - 7ft

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REF DRAWING(S)
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Deep Test #	Depth	Soil Description
18 ~11:40am	0ft - 1ft	Topsoil
	1ft - 4ft	Tan Silty Clay Loam
	4ft - 10.5ft	Brown Hard Silty Clay Loam
	Seepage	Seepage found between 1ft - 7ft
19 ~12:20pm	0ft - 1ft	Topsoil
	1ft - 3ft	Tan Silty Clay Loam
	3ft - 8ft	Brown Hard Silty Clay Loam
	Seepage	Seepage found between 1ft - 3ft
20 ~12:45pm	0ft - 1ft	Topsoil
	1ft - 3ft	Tan Silty Clay Loam
	3ft - 6ft	Brown Hard Silty Clay Loam
	Seepage	Seepage found between 1ft - 3ft

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