



SOIL LOGS

Date: October 18, 2016
Performed by: Vasil Kappatos
Method: Soil boring with hand auger
Surroundings: Maintained lawn area

Depth (in) below existing grade	
0	
9	Dark yellowish-brown (10YR 4/4) sandy clay loam; weak subangular blocky structure; friable
15	Yellowish-brown (10YR 5/8) sandy clay; subangular blocky structure; friable
30	Yellowish-brown (10YR 5/4) loamy sand; weak subangular blocky structure; very friable
50	Variegated light yellowish-brown (10YR 6/4) and brown (7.5YR 4/4) sandy clay loam; subangular blocky structure; friable
60	Variegated dark brown (7.5YR 3/4), yellowish-brown (10YR 5/4), and yellowish-red (5YR 4/6) sandy clay loam; subangular blocky structure; friable; sticky; 10% medium rounded quartzose gravel; saturated
100	Variegated yellowish-brown (10YR 5/4) and yellowish-brown (10YR 5/8) sandy clay loam; subangular blocky structure; friable; saturated
110	Strong brown (7.5YR 5/8) sandy clay; subangular blocky structure; friable; saturated
120+	Variegated dark reddish-gray (2.5YR 3/1) and brown (7.5YR 4/4) clay; angular blocky structure; very firm; 30% medium to coarse rounded quartzose gravel

Zone of Saturation (perched): 50-110
Regional Ground Water Table: >120
Hydraulically Restrictive Horizon(s): 60-120

Cherry Hill Land Rover
 Block 135.01, Lot 10
 Township of Cherry Hill
 Camden County, New Jersey

SOIL LOG SB-3
 Job No.: MBJ 001.01

Date: October 25, 2016
Performed by: Vasil Kappatos
Method: Test pit with backhoe
Surroundings: Maintained lawn area

Depth (in) below existing grade	
0	
5	Dark brown (10YR 3/3) loam; weak subangular blocky structure; very friable; many roots
11	Variegated dark brown (10YR 3/3) and light yellowish-brown (2.5Y 6/3) sandy clay loam; subangular blocky structure; firm in place; friable when removed
30	Variegated brownish-yellow (10YR 6/8) and yellowish-brown (10YR 5/6) sandy clay loam; subangular blocky structure; firm
37	Variegated olive gray (5Y 5/2) and reddish-yellow (7.5YR 6/8) sandy clay loam; subangular blocky structure; firm
54	Variegated light olive gray (5Y 6/2), reddish-yellow (7.5YR 6/8), and strong brown (7.5YR 5/6) sandy loam; weak subangular blocky structure; friable
65	Olive (5Y 5/3) sandy clay loam; angular blocky structure; friable; sticky
110	Variegated olive gray (5Y 5/2) and strong brown (7.5YR 5/6) sandy clay loam; weak subangular blocky structure; friable; saturated
120+	Dark reddish-gray (2.5YR 3/1) clay; angular blocky structure; very firm

Zone of Saturation (perched): 65-110
Regional Ground Water Table: >120
Hydraulically Restrictive Horizon(s): 5-37 & 110-120

Cherry Hill Land Rover
 Block 135.01, Lot 9
 Township of Cherry Hill
 Camden County, New Jersey

SOIL LOG TP-1
 Job No.: MBJ 001.01

Date: October 18, 2016
Performed by: Vasil Kappatos
Method: Soil boring with hand auger
Surroundings: Maintained lawn area

Depth (in) below existing grade	
0	
20	Dark yellowish-brown (10YR 4/4) sandy clay loam; weak subangular blocky structure; friable; 40% fine to large rounded quartzose gravel; many roots
35	Variegated light yellowish-brown (10YR 6/4) and yellowish-brown (10YR 5/8) sandy loam; weak subangular blocky structure; very friable
55	Variegated light yellowish-brown (10YR 6/4) and yellowish-brown (10YR 5/8) sandy clay loam; weak subangular blocky structure; firm in place; friable when removed
98	Variegated yellowish-brown (10YR 5/4) and yellowish-brown (10YR 5/8) sandy clay loam; subangular blocky structure; friable; saturation starting at 75 inches
107	Strong brown (7.5YR 5/8) sandy clay; subangular blocky structure; friable; saturated
120+	Variegated reddish-gray (2.5YR 3/1) and brown (7.5YR 4/4) clay; angular blocky structure; very firm; 30% medium to coarse rounded quartzose gravel

Zone of Saturation (perched): 75-107
Regional Ground Water Table: >120
Hydraulically Restrictive Horizon(s): 95-120

Cherry Hill Land Rover
 Block 135.01, Lot 10
 Township of Cherry Hill
 Camden County, New Jersey

SOIL LOG SB-4
 Job No.: MBJ 001.01

Date: October 25, 2016
Performed by: Vasil Kappatos
Method: Test pit with backhoe
Surroundings: Deciduous woodland

Depth (in) below existing grade	
0	
5	Dark brown (10YR 3/3) loam; weak subangular blocky structure; very friable; many roots
27	Variegated yellowish-brown (10YR 5/6), grayish-brown (10YR 5/2), and light yellowish-brown (2.5Y 6/3) sandy clay loam; subangular blocky structure; firm
38	Variegated olive gray (5Y 5/2) and reddish-yellow (7.5YR 6/8) sandy clay loam; subangular blocky structure; firm
50	Variegated light olive gray (5Y 6/2), reddish-yellow (7.5YR 6/8), and strong brown (7.5YR 5/6) sandy loam; weak subangular blocky structure; friable
59	Olive (5Y 5/3) sandy clay loam; angular blocky structure; friable; sticky
75	Strong brown (7.5YR 5/8) sandy clay loam; subangular blocky structure; friable
108	Variegated olive gray (5Y 5/2) and strong brown (7.5YR 5/6) sandy clay loam; weak subangular blocky structure; friable; saturated
120+	Dark reddish-gray (2.5YR 3/1) clay; angular blocky structure; very firm

Zone of Saturation (perched): 75-108
Regional Ground Water Table: >120
Hydraulically Restrictive Horizon(s): 5-38 & 108-120

Cherry Hill Land Rover
 Block 135.01, Lot 9
 Township of Cherry Hill
 Camden County, New Jersey

SOIL LOG TP-2
 Job No.: MBJ 001.01

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CHERRY HILL
 BLOCK 135.01, LOTS 9 & 10, BLOCK 148.01, LOT 12
 TOWNSHIP OF CHERRY HILL, CAMDEN COUNTY, NEW JERSEY

GRADING PLAN - EAST PORTION

M.B.J. ASSOCIATES, LLC
 2151 ROUTE 70 WEST
 CHERRY HILL TOWNSHIP, NEW JERSEY 08002

DATE	ISSUE NO.	SUBMISSION/REVISION
2/14/2020	2	RESPONSE TO TOWNSHIP COMPLETENESS REVIEW
9/27/2019	1	INITIAL SUBMISSION

PROJECT NO: MBJ 001.03
 SCALE: 1" = 20'
 SHEET: 9 OF 24
C0302