

SOIL TEST PIT RESULTS

DATE: NOVEMBER 12, 2010
 WITNESSED BY: QUINNIPIAC VALLEY HEALTH DISTRICT

SOIL TEST PIT RESULTS

DATE: MAY 11, 2004
 WITNESSED BY: QUINNIPIAC VALLEY HEALTH DISTRICT

PERCOLATION TEST RESULTS

DATE: DECEMBER 3, 2010
 WITNESSED BY: QUINNIPIAC VALLEY HEALTH DISTRICT

TEST PIT 2AA	0-4" TOPSOIL & REMAINS OF BRUSH 4-62" RED BROWN SANDY LOAM, DAMP 72" WATER 58" ROOTS 72" RL N/A REDOX N/A LEDGE	TEST PIT 5CC	0-4" TOPSOIL 4-39" ORANGE BROWN SANDY LOAM 39-70" PINK BROWN SANDY LOAM, FIP, FRIABLE, DAMP N/A WATER 21" ROOTS 52" RL 52" REDOX N/A LEDGE
TEST PIT 2CC	0-9" DISTURBED TOPSOIL 9-20" ORANGE BROWN FINE SANDY LOAM 20-69" RED BROWN SANDY LOAM, DAMP N/A WATER 48" ROOTS 69" RL N/A REDOX N/A LEDGE	TEST PIT 5AA	0-5" TOPSOIL 5-36" ORANGE BROWN FINE SANDY LOAM, DAMP 36-60" RED BROWN SANDY LOAM, DAMP N/A WATER N/A ROOTS 60" RL N/A REDOX N/A LEDGE
TEST PIT 2BB	0-9" DISTURBED TOPSOIL 9-20" ORANGE BROWN FINE SANDY LOAM 20-99" RED BROWN SANDY LOAM, DAMP N/A WATER 48" ROOTS 80" RL N/A REDOX N/A LEDGE	TEST PIT 7AA	0-9" HTM, TOPSOIL 9-28" ORANGE BROWN SANDY LOAM, DAMP 29-79" RED BROWN FINE SANDY LOAM, DAMP N/A WATER 38" ROOTS 70" RL N/A REDOX N/A LEDGE
TEST PIT 3AA	0-7" TOPSOIL/WOODCHIPS 7-50" ORANGE BROWN SANDY LOAM, DAMP 50"- MORE COARSE THAN 7-50" N/A WATER 38" ROOTS 35" RL 35" REDOX N/A LEDGE	TEST PIT 7BB	0-9" TOPSOIL 9-28" ORANGE BROWN SANDY LOAM, DAMP 29-71" RED BROWN FINE SANDY LOAM, DAMP N/A WATER 38" ROOTS 70" RL N/A REDOX N/A LEDGE
TEST PIT 2BB	0-9" TOPSOIL 9-34" ORANGE BROWN LOAM, DAMP 34-62" RED BROWN SANDY LOAM, DAMP 61" WATER 22" ROOTS 32" RL 32" REDOX N/A LEDGE	TEST PIT 7CC	0-9" TOPSOIL 9-33" ORANGE BROWN FINE SANDY LOAM, DAMP 33-51" RED BROWN SANDY LOAM, DAMP 51-69" OLIVE BROWN FINE SANDY, DAMP
TEST PIT 4BB	0-5" TOPSOIL 5-20" ORANGE BROWN FINE SANDY LOAM, DAMP 20-56" RED LOAM, DENSE, STICKY N/A WATER N/A ROOTS 20" RL N/A REDOX 56" LEDGE	TEST PIT 8AA	0-10" TOPSOIL 10-31" ORANGE BROWN SANDY LOAM, DAMP 31-74" PINK BROWN SANDY LOAM, DAMP
TEST PIT 4CC	0-5" TOPSOIL 5-20" ORANGE BROWN FINE SANDY LOAM, DAMP 20-56" RED LOAM, DENSE, STICKY 35" WATER N/A ROOTS 35" RL N/A REDOX 72" LEDGE	TEST PIT 9AA	0-6" TOPSOIL/WOODCHIPS 6-17" ORANGE BROWN SANDY LOAM, DAMP 17-71" PINK BROWN SANDY LOAM, FIP, FRIABLE, DAMP
TEST PIT 5BB	0-5" TOPSOIL 5-27" ORANGE BORN LOAM, DAMP, SOME COBBLES 27-64" RED SANDY LOAM, MANY 15" STONES, COBBLES, VERY DIFFERENT THAN PRIOR HOLES N/A WATER 53" ROOTS 64" RL N/A REDOX 64" LEDGE	TEST PIT 9BB	0-7" TOPSOIL/WOODCHIPS 7-27" ORANGE BROWN SAND LOAM, DAMP 27-60" PINK BROWN SANDY LOAM, DAMP 60" REDOX RL
TEST PIT 9CC	0-7" TOPSOIL/WOODCHIPS 7-27" ORANGE BROWN SAND LOAM, DAMP 27-60" PINK BROWN SANDY LOAM, DAMP 60" REDOX RL	TEST PIT 10CC	0-14" TOPSOIL 14-31" ORANGE BROWN FINE SANDY LOAM, DAMP 31-66" PINK BROWN SANDY LOAM, DAMP 66" REDOX RL
TEST PIT 10AA	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 10BB	0-14" TOPSOIL 14-31" ORANGE BROWN FINE SANDY LOAM, DAMP 31-66" PINK BROWN SANDY LOAM, DAMP 66" REDOX RL
TEST PIT 11AA	0-17" TOPSOIL, DARK, ORGANIC 17-40" ORANGE BROWN LOAM, DAMP 40-65" RED DAMP SANDY GRAVELLY LOAM WITH RED ROCK BITS, VERY DAMP 65" REDOX 34" RL	TEST PIT 11BB	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" WATER
TEST PIT 11CC	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" REDOX 40" WATER	TEST PIT 11CC	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" REDOX 40" WATER
TEST PIT 12AA	0-10" TOPSOIL 10-54" ORANGE BROWN LOAM, DAMP 54-77" RED BROWN LOAM, DAMP 77" REDOX 45" RL	TEST PIT 12BB	0-9" TOPSOIL 9-42" ORANGE BROWN FINE SANDY LOAM, DAMP 42-81" RED SANDY LOAM, DAMP 81" REDOX 24" RL
TEST PIT 12CC	0-10" TOPSOIL 10-48" ORANGE BROWN FINE SANDY LOAM, DAMP 48-80" RED FINE SANDY LOAM, DAMP 80" REDOX 21" RL	TEST PIT 12CC	0-10" TOPSOIL 10-48" ORANGE BROWN FINE SANDY LOAM, DAMP 48-80" RED FINE SANDY LOAM, DAMP 80" REDOX 21" RL
TEST PIT 12BB	0-10" TOPSOIL 10-22" ORANGE BROWN FINE SANDY LOAM, LOOSE 22-36" LIGHT GRAY/LIGH RED MOTTLED VERY FINE/FINE SAND 36-74" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) N/A WATER 22" MOTTLING N/A LEDGE 30" ROOTS 22" RL	TEST PIT 13BB	0-14" TOPSOIL 14-27" ORANGE BROWN SANDY LOAM 27-56" COBBLY, GRAVELLY, SANDY LOAM 56" REDOX N/A RL
TEST PIT 13AA	0-7" TOPSOIL 7-24" ORANGE BROWN SANDY LOAM, DAMP 24-72" PINK BROWN SANDY LOAM, DAMP 72" WATER 88" RL 22" REDOX	TEST PIT 13AA	0-7" TOPSOIL 7-24" ORANGE BROWN SANDY LOAM, DAMP 24-72" PINK BROWN SANDY LOAM, DAMP 72" WATER 88" RL 22" REDOX
TEST PIT 13BB	0-14" TOPSOIL 14-27" ORANGE BROWN SANDY LOAM 27-56" COBBLY, GRAVELLY, SANDY LOAM 56" REDOX N/A RL	TEST PIT 13BB	0-14" TOPSOIL 14-27" ORANGE BROWN SANDY LOAM 27-56" COBBLY, GRAVELLY, SANDY LOAM 56" REDOX N/A RL
TEST PIT 13CC	0-6" TOPSOIL 6-35" ORANGE SANDY LOAM, DAMP 35-67" RED BROWN SANDY LOAM, DAMP 67" REDOX 37" RL	TEST PIT 13CC	0-6" TOPSOIL 6-35" ORANGE SANDY LOAM, DAMP 35-67" RED BROWN SANDY LOAM, DAMP 67" REDOX 37" RL

TEST PIT 14AA	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 15AA	0-12" DARK BROWN TOPSOIL 12-26" ORANGE BROWN FINE SANDY LOAM, LOOSE 26-84" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 84" WATER 62" MOTTLING N/A LEDGE 40" ROOTS 36" RL
TEST PIT 15BB	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" WATER	TEST PIT 15BB	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" WATER
TEST PIT 16AA	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 16BB	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" WATER
TEST PIT 16CC	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 16CC	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL
TEST PIT 17AA	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 17BB	0-10" TOPSOIL 10-45" ORANGE BROWN SANDY LOAM 45-80" RED BROWN SANDY LOAM, DAMP 80" WATER
TEST PIT 17CC	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL	TEST PIT 17CC	0-12" DARK BROWN TOPSOIL 12-33" ORANGE BROWN FINE SANDY LOAM, LOOSE 33-45" ORANGE GRAVELLY COARSE SAND (GLACIAL TILL) 45-72" RED SANDY LOAM, VERY FIRM (GLACIAL TILL) 60" WATER 45" MOTTLING N/A LEDGE 36" ROOTS 45" RL

PERC TEST #4-1	PRESOAK: PRIOR DAY HOLE DEPTH: 20" WATER IN HOLE: 12" TIME READING RATE 9:45 5.625 10:00 10.25 3.2 10:10 12.125 5.3 10:20 13.25 8.9 10:31 15.125 9.8 10:42 16.625 9.3 10:51 DRY	PERC TEST #4-2	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:47 5.75 10:02 7.5 10:11 8.75 10:21 9.75 10:32 10.625 10:44 11.75 10.7 10:53 12.5 12.0 11:04 13.125 17.6 11:13 13.625 18.0 11:24 14.125 22 11:35 14.25 17.6
PERC TEST #5-1	PRESOAK: PRIOR DAY HOLE DEPTH: 16" WATER IN HOLE: 12" TIME READING RATE 9:50 12.06 10:05 9.375 10:15 8.312 10:26 7.312 11.0 10:36 6.438 11.4 10:46 5.688 13.3 10:56 5.00 14.5 11:07 4.312 16.0 11:19 3.688 19.2 11:30 3.188 22.0 11:44 2.625 24.8	PERC TEST #5-2	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:52 13.25 10:03 12.25 10:17 11.625 10:28 11.188 10:39 10.75 10:49 10.438 10:59 10.00 11:09 9.75 11:21 9.438 11:31 9.188 11:46 8.812 40 12:06 8.375 45.7
PERC TEST #6-1	PRESOAK: PRIOR DAY HOLE DEPTH: 20" WATER IN HOLE: 13" TIME READING RATE 9:52 13.25 10:10 8.75 10:27 9.50 68.0 10:39 9.375 32.0 10:43 9.75 26.7 11:02 10.00 52.0 11:17 10.25 60.0 11:31 10.50 56.0 12:32 11.625 488.0	PERC TEST #6-2	PRESOAK: PRIOR DAY HOLE DEPTH: 20" WATER IN HOLE: 12" TIME READING RATE 9:52 8.50 10:10 8.75 24.0 10:27 9.50 68.0 10:39 9.375 32.0 10:43 9.75 26.7 11:02 10.00 52.0 11:17 10.25 60.0 11:31 10.50 56.0 12:32 11.625 488.0
PERC TEST #7-1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:54 12.125 10:08 9.25 10:18 8.188 10:30 7.312 10:41 6.562 10:50 5.875 11:01 4.938 11:10 4.25 11:22 3.375 11:32 2.688	PERC TEST #7-2	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:54 12.125 10:08 9.25 10:18 8.188 10:30 7.312 10:41 6.562 10:50 5.875 11:01 4.938 11:10 4.25 11:22 3.375 11:32 2.688


PERC TEST #10P2	PRESOAK: PRIOR DAY HOLE DEPTH: 19" WATER IN HOLE: 12" TIME READING RATE 9:57 5.0 10:07 8.0 3.3 10:17 10.375 4.2 10:27 12.375 5.0 10:37 14.0 6.2 10:47 15.375 16.0 10:57 DRY	PERC TEST #10P2	PRESOAK: PRIOR DAY HOLE DEPTH: 19" WATER IN HOLE: 12" TIME READING RATE 9:59 12.0 10:22 5.625 3.6 10:34 3.875 6.9 10:44 2.625 8.0 10:55 1.812 13.5 11:07 DRY
PERC TEST #11P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 10:02 12.438 10:23 6.502 3.6 10:36 4.50 6.3 10:46 3.125 7.3 10:56 2.188 10.7 11:10 1.312 10.0	PERC TEST #11P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 10:02 12.438 10:23 6.502 3.6 10:36 4.50 6.3 10:46 3.125 7.3 10:56 2.188 10.7 11:10 1.312 10.0
PERC TEST #12P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 1:48 11.688 2:02 7.25 2:13 5.938 2:27 4.312 8.6 2:40 2.938 9.5 2:52 2.25 17.4 3:05 1.562 18.9 3:14 DRY	PERC TEST #12P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 1:48 11.688 2:02 7.25 2:13 5.938 2:27 4.312 8.6 2:40 2.938 9.5 2:52 2.25 17.4 3:05 1.562 18.9 3:14 DRY
PERC TEST #13P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 1:49 11.312 2:03 8.00 3.6 2:14 6.375 6.8 2:28 4.312 6.8 2:41 2.875 9.0 2:54 DRY	PERC TEST #13P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 1:49 11.312 2:03 8.00 3.6 2:14 6.375 6.8 2:28 4.312 6.8 2:41 2.875 9.0 2:54 DRY
PERC TEST #14P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:52 8.50 10:10 8.75 24.0 10:27 9.50 68.0 10:39 9.375 32.0 10:43 9.75 26.7 11:02 10.00 52.0 11:17 10.25 60.0 11:31 10.50 56.0 12:32 11.625 488.0	PERC TEST #14P1	PRESOAK: PRIOR DAY HOLE DEPTH: 18" WATER IN HOLE: 12" TIME READING RATE 9:52 8.50 10:10 8.75 24.0 10:27 9.50 68.0 10:39 9.375 32.0 10:43 9.75 26.7 11:02 10.00 52.0 11:17 10.25 60.0 11:31 10.50 56.0 12:32 11.625 488.0

PERCOLATION TEST RESULTS

DATE: MAY 12&13, 2004
 WITNESSED BY: QUINNIPIAC VALLEY HEALTH DISTRICT

PERC TEST #3	PRESOAK: 11:00 AM HOLE DEPTH: 28" WATER IN HOLE: TIME READING RATE 1:32 13.5 2.9 2:08 16.5 5.7 2:26 18.5 9.0 2:46 20.375 10.7 2:53 21(DRY) 11.2	PERC TEST #4	PRESOAK: 11:00 AM HOLE DEPTH: 32" WATER IN HOLE: TIME READING RATE 1:30 9 6.7 1:50 12 12 2:05 13.25 12 2:24 14.5 15.2 2:46 16.125 21 2:55 16.5 26.7 3:05 16.875 26.7
PERC TEST #5	PRESOAK: 11:45 AM HOLE DEPTH: 32" WATER IN HOLE: TIME READING RATE 1:37 10 2.3 1:53 17 5.2 2:06 19.5 5.2 2:27 22.5 7 2:39 23.5 12 2:51 24.5 (DRY) 12	PERC TEST #6	PRESOAK: 11:45 AM HOLE DEPTH: 32" WATER IN HOLE: TIME READING RATE 1:37 10 2.3 1:53 17 5.2 2:06 19.5 5.2 2:27 22.5 7 2:39 23.5 12 2:51 24.5 (DRY) 12

PERC TEST #OT 1	PRESOAK: 10:00 AM ON 5/12/04 HOLE DEPTH: 24" REFILL WITH 12" OF WATER AT 1:22 PM ON 5/12/04 STATED: 5/12/04 TIME READING RATE 1:22 5 1:32 7.5 1:42 10 1:52 12 2:02 13 2:07 13.5 2:12 14 2:17 14.5 2:22 15 2:27 15.5 2:32 16	PERC TEST #OT 2	PRESOAK: 3:15 PM ON 5/12/04 HOLE DEPTH: 22" REFILL WITH 12" OF WATER AT 9:45 AM ON 5/13/04 STATED: 5/13/04 TIME READING RATE 9:42 6 9:57 7 10:07 7.75 10:17 8.25 10:27 8.75 10:37 9.25 10:47 9.625 11:00 10.125 11:10 10.625 11:15 11 11:20 11.375 11:25 11.75 11:30 12.125 11:35 12.5 11:40 12.875	PERC TEST #OT 3	PRESOAK: 3:20 PM ON 5/12/04 HOLE DEPTH: 24" REFILL WITH 12" OF WATER AT 9:42 AM ON 5/13/04 STATED: 5/13/04 TIME READING RATE 9:52 8.50 10:10 8.75 24.0 10:27 9.50 68.0 10:39 9.375 32.0 10:43 9.75 26.7 11:02 10.00 52.0 11:17 10.25 60.0 11:31 10.50 56.0 12:32 11.625 488.0
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SOIL TEST DATA

**RESUBDIVISION OF
ANDERSON SUNNYSIDE FARM
LAND OF
GBRSTORZ, LLC**

**318 KINGS HIGHWAY, TOWN OF NORTH HAVEN
NEW HAVEN COUNTY, CONNECTICUT**

Design/Calcs	LRC	CAD File	DN20262403.dwg	Sheet No.
Drawn	LRC	Project No.	20-2624	DN-3
Checked	JW/REM	Date	08/27/2020	
Approved	JW/REM	Scale	AS NOTED	

Revisions

No.	Description	Date	By	Check	Appr

Z:\LANDRESOURCECONSULTANTS\2020_sbs\20-2624_McMahon Kings Highway North Haven\DWG\DN20262403.dwg 10/23/2020 1:49 PM Bahakley