

PERCOLATION TESTS PERFORMED ON MAY 26 & 27, JUNE 3 AND JUNE 10, 2022 BY DIETER & GARDNER, INC. (JODY TERRY AND MATT EMILYA)

<p>1 AVERY COURT AT PIT 41/42 29" DEEP TIME READING 8:43 5" 8:48 10 3/4" 8:53 15" 8:58 17 1/2" 9:03 19 1/2" 9:08 21" 9:13 22" 9:18 23" 9:23 23 3/4" 9:28 24 1/2" 9:33 25 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>1 AVERY COURT AT PIT 43/44 26" DEEP TIME READING 8:40 5 1/2" 8:45 9 1/2" 8:50 11 1/2" 8:55 14" 9:00 15 1/2" 9:05 16 1/2" 9:10 17 3/4" 9:15 18 1/2" 9:20 19 1/2" 9:25 20 1/2" 9:30 21 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>2 AVERY COURT AT PIT 47/48 28" DEEP TIME READING 1:38 5" 1:43 11" 1:48 13 1/2" 1:53 16" 1:58 18" 2:03 19" 2:08 20 1/8" 2:13 21 1/2" 2:18 22 1/2" 2:23 23 1/2" 2:28 24 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>2 AVERY COURT AT PIT 51/52 29" DEEP TIME READING 1:50 4 1/4" 1:55 11 7/8" 2:00 15 1/2" 2:05 18" 2:10 21" 2:15 23" 2:20 25" 2:25 27" 2:30 28 7/8" 2:35 29" PERC RATE: 1" / 2.7 MINS.</p>	<p>2 AVERY COURT AT PIT 55/56 30" DEEP TIME READING 1:30 2 1/2" 1:35 9 1/2" 1:40 13 1/2" 1:45 15" 1:50 17 1/2" 1:55 20" 2:00 21 1/2" 2:05 22 1/2" 2:10 23 1/2" 2:15 24 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>3 AVERY COURT AT PIT 39/40 30" DEEP TIME READING 8:41 4" 8:46 8 1/4" 8:51 10 1/4" 8:56 12 1/2" 9:01 15" 9:06 17" 9:11 18" 9:16 19" 9:21 20" 9:26 21" 9:31 22" PERC RATE: 1" / 5 MINS.</p>	<p>4 AVERY COURT AT PIT 59/60 29" DEEP TIME READING 10:49 3" 10:54 11" 10:59 15" 11:04 18 1/2" 11:09 20 1/2" 11:14 22" 11:19 23 1/2" 11:24 25" 11:29 26 1/2" PERC RATE: 1" / 3.3 MINS.</p>	<p>4 AVERY COURT AT PIT 57/58 30" DEEP TIME READING 1:27 2 1/2" 1:32 8 1/4" 1:37 13" 1:42 15 1/2" 1:47 18" 1:52 19 1/2" 1:57 21 1/2" 2:02 23" 2:07 24 1/2" 2:12 26" PERC RATE: 1" / 3.3 MINS.</p>
<p>5 AVERY COURT AT PIT 37/38 28" DEEP TIME READING 10:37 3" 10:42 6 3/4" 10:47 9 1/4" 10:52 12 1/2" 10:57 15" 11:02 17" 11:07 19" 11:12 20" 11:17 21" 11:22 22 1/8" 11:27 23 1/8" PERC RATE: 1" / 5 MINS.</p>	<p>5 AVERY COURT AT PIT 81/82 27" DEEP TIME READING 8:48 2" 8:53 9" 8:58 14" 9:03 18" 9:08 20" 9:13 22" 9:18 23" 9:23 24" 9:28 25" 9:33 26" 9:38 DRY PERC RATE: 1" / 5 MINS.</p>	<p>6 AVERY COURT AT PIT 61/62 30" DEEP TIME READING 10:18 2 1/2" 10:23 12" 10:28 15 1/2" 10:33 19 1/2" 10:38 21" 10:43 22 1/2" 10:48 24" 10:53 25" 10:58 25 3/4" 11:03 26 3/4" PERC RATE: 1" / 6 MINS.</p>	<p>6 AVERY COURT AT PIT 63/64 29" DEEP TIME READING 11:46 3" 11:51 6 1/2" 11:56 9" 12:01 12" 12:06 13 1/2" 12:11 14 1/2" 12:16 16" 12:21 17 1/2" 12:26 18 1/2" 12:31 19 1/2" 12:36 20 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>8 AVERY COURT AT PIT 69/70 28" DEEP TIME READING 10:15 3" 10:20 11 1/2" 10:25 16 1/2" 10:30 21" 10:35 24" 10:40 25 1/2" 10:45 27" 10:50 DRY PERC RATE: 1" / 3.3 MINS.</p>	<p>9 AVERY COURT AT PIT 35/36 28" DEEP TIME READING 10:45 3" 10:50 12" 10:55 14 1/4" 11:00 15 1/4" 11:05 17 1/4" 11:10 19 1/4" 11:15 21" 11:20 22 1/4" 11:25 23 1/4" 11:30 24 1/2" 11:35 25 3/4" PERC RATE: 1" / 4 MINS.</p>		
<p>13 AVERY COURT AT PIT 31/32 30" DEEP TIME READING 10:41 9" 10:46 12 1/2" 10:51 15" 10:56 17" 11:01 19" 11:06 19 1/2" 11:11 20 1/2" 11:16 21 1/2" 11:21 22 1/2" 11:26 23 1/2" PERC RATE: 1" / 5 MINS.</p>	<p>13 AVERY COURT AT PIT 33/34 30" DEEP TIME READING 10:39 7" 10:44 11" 10:49 15" 10:54 19 1/2" 10:59 20 1/2" 11:04 22" 11:09 23" 11:14 24" 11:19 25" 11:24 25 3/4" PERC RATE: 1" / 6.7 MINS.</p>	<p>14 AVERY COURT AT PIT 79/80 32" DEEP TIME READING 11:45 3" 11:50 7 3/4" 11:55 11 1/2" 12:00 13 3/4" 12:05 16" 12:10 18" 12:15 20" 12:20 21" 12:25 22 1/4" 12:30 23 1/2" 12:35 25" PERC RATE: 1" / 4 MINS.</p>	<p>15 AVERY COURT AT PIT 29/30 32" DEEP TIME READING 11:24 3 1/2" 11:29 7 3/4" 11:34 21" 11:39 23 1/2" 11:44 25 1/2" 11:49 27 1/2" 11:54 29" 11:59 30 1/2" 12:04 DRY PERC RATE: 1" / 3.3 MINS.</p>	<p>18 AVERY COURT AT PIT 77/78 29" DEEP TIME READING 11:45 3" 11:50 7 3/4" 11:55 11 1/2" 12:00 13 3/4" 12:05 16" 12:10 18" 12:15 20" 12:20 21" 12:25 22 1/4" 12:30 23 1/2" 12:35 25" PERC RATE: 1" / 4 MINS.</p>			

PERCOLATION TESTS PERFORMED ON APRIL 22, 2024 BY DIETER & GARDNER, INC.

<p>7 AVERY COURT AT PIT 316/317 30" DEEP TIME READING 11:47 4" 11:52 11" 11:57 15" 12:02 18 3/4" 12:07 21 1/4" 12:12 23" 12:17 24 1/2" 12:22 26" 12:27 27 1/4" PERC RATE: 1" / 4 MINS.</p>	<p>9 AVERY COURT AT PIT 302/303 30" DEEP TIME READING 8:00 3" 8:05 11" 8:10 13 1/2" 8:15 15 1/2" 8:20 17 1/2" 8:25 19" 8:30 20 3/4" 8:35 22" 8:40 23 1/4" PERC RATE: 1" / 4 MINS.</p>	<p>10 AVERY COURT AT PIT 300/301 32" DEEP TIME READING 7:58 3 1/2" 8:03 8 1/2" 8:08 13" 8:13 15" 8:18 17" 8:23 19 1/2" 8:28 21" 8:33 22" 8:38 23" PERC RATE: 1" / 5 MINS.</p>	<p>11 AVERY COURT AT PIT 312/313 29" DEEP TIME READING 10:19 3" 10:24 10 1/2" 10:29 15 1/4" 10:34 17 1/4" 10:39 19" 10:44 20 1/2" 10:49 22" 10:54 23 1/2" 10:59 25" PERC RATE: 1" / 3.33 MINS.</p>	<p>12 AVERY COURT AT PIT 304/305 32" DEEP TIME READING 8:45 4" 8:50 10 1/2" 8:55 13 1/2" 9:00 15 1/2" 9:05 17 1/2" 9:10 18 3/4" 9:15 19 1/2" 9:20 20 1/2" 9:25 21 1/2" PERC RATE: 1" / 5 MINS.</p>
<p>13 AVERY COURT AT PIT 314/315 28" DEEP TIME READING 11:45 5" 11:50 9" 11:55 11 1/2" 12:00 13 1/2" 12:05 15 1/4" 12:10 16 3/4" 12:15 18" 12:20 19" 12:25 20" PERC RATE: 1" / 5 MINS.</p>	<p>15 AVERY COURT AT PIT 310/311 30" DEEP TIME READING 9:34 5" 9:39 11" 9:44 13 1/2" 9:49 15 1/2" 9:54 17 1/4" 9:59 19" 10:04 20 1/2" 10:09 21 3/4" 10:14 22 3/4" PERC RATE: 1" / 5 MINS.</p>	<p>16 AVERY COURT AT PIT 306/307 31" DEEP TIME READING 8:47 5" 8:52 9 1/4" 8:57 12 1/4" 9:02 14" 9:07 15 1/2" 9:12 16 3/4" 9:17 18" 9:22 19" 9:27 20" PERC RATE: 1" / 5 MINS.</p>	<p>17 AVERY COURT AT PIT 308/309 29" DEEP TIME READING 9:32 4" 9:37 10 1/2" 9:42 15 1/4" 9:47 19 1/4" 9:52 21" 9:57 22 1/2" 10:02 23 3/4" 10:07 24 3/4" 10:12 25 3/4" PERC RATE: 1" / 5 MINS.</p>	

SANITARY DESIGN CRITERIA

- A. ALL PRIMARY AND SEPTIC SYSTEM DESIGNS ARE LAYED OUT FOR THREE-BEDROOM HOMES. NO TUBS OVER 100 GALLONS IN SIZE OR GARBAGE DISPOSAL INTO SEPTIC SYSTEM PLANNED.
 - B. THREE BEDROOM HOMES AT A PERC RATE OF 10.0 MIN/INCH OR LESS REQUIRES 495 S.F. OF EFFECTIVE LEACHING AREA.
 - C. GST 6236 LEACHING SYSTEM SELECTED FOR LEACHING SYSTEM DESIGN. MINIMUM REQUIRED AREA IS 495 S.F. 6236 SYSTEM REQUIRES 20 L.F.
- HF = HYDRAULIC FACTOR BASED ON GRADIENT AND DEPTH TO RESTRICTION
FF = FLOW FACTOR, 1.5 FOR THREE BEDROOM HOME DESIGN
PF = PERC FACTOR, 1.0 PERCOLATION RATE UP TO 10.0 MIN/INCH.

STREET ADDRESS	GRADIENT	RESTRICTION	HF	FF	PF	SYSTEM
1	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
2	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
3	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
4	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
5	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
6	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
7	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
8	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
9	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
10	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
11	MLSS	NOT	APPLICABLE	1.5	1.0	40 L.F. GST 6236
12	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
13	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
14	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
15	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
16	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
17	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236
18	MLSS	NOT	APPLICABLE	1.5	1.0	20 L.F. GST 6236

APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION AS TO THE COMPLIANCE WITH THE REGULATIONS GOVERNING THE SUBDIVISION OF LAND. ALL IMPROVEMENTS SHALL BE COMPLETED BY _____ DATE _____

CHAIRMAN OR SECRETARY _____ DATE _____

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF _____ THE LEDYARD PLANNING AND ZONING COMMISSION ON _____ DATE _____

LOT NUMBERS ASSIGNED BY THE ASSESSOR

ASSESSOR _____ DATE _____

IWNC APPLICATION# _____

APPROVED. _____

NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)

NOT APPLICABLE AT THIS TIME. (WITHIN A REGULATED AREA, NO REGULATED ACTIVITY PROPOSED AT THIS TIME.)

WETLANDS OFFICER _____ DATE _____

APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR THE TOWN ENGINEER FOR PUBLIC WAY LAYOUT.

PUBLIC WORKS DIRECTOR/TOWN ENGINEER _____ DATE _____

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE LEDYARD PLANNING AND ZONING COMMISSION

CHAIRMAN OR SECRETARY OF THE LEDYARD PLANNING AND ZONING COMMISSION _____ DATE _____

PLAN SHOWING
PERCOLATION TEST DATA
AND
SEPTIC SYSTEM DESIGN CRITERIA
RESUBDIVISION
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AVERY BROOK HOMES LLC
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A.K.A.
CONNECTICUT ROUTE 214
LEDYARD, CONNECTICUT



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