

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

<b>1 AVERY COURT AT PIT 41/42</b> 28" DEEP TIME READING 8:43 5" 8:48 10 3/4" 8:53 15 1/2" 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.	<b>1 AVERY COURT AT PIT 43/44</b> 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.	<b>2 AVERY COURT AT PIT 47/48</b> 28" DEEP TIME READING 11:38 5" 11:43 11" 11:48 13 1/2" 11:53 16" 11:58 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.	<b>2 AVERY COURT AT PIT 51/52</b> 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.	<b>2 AVERY COURT AT PIT 55/56</b> 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.	<b>3 AVERY COURT AT PIT 39/40</b> 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.	<b>4 AVERY COURT AT PIT 59/60</b> 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.	<b>4 AVERY COURT AT PIT 57/58</b> 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.
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<b>5 AVERY COURT AT PIT 37/38</b> 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.	<b>5 AVERY COURT AT PIT 81/82</b> 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.	<b>6 AVERY COURT AT PIT 61/62</b> 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" 11:08 27" PERC RATE: 1" / 6 MINS.	<b>6 AVERY COURT AT PIT 63/64</b> 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.	<b>8 AVERY COURT AT PIT 69/70</b> 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.	<b>8 AVERY COURT AT PIT 67/68</b> 28" DEEP TIME READING 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.	<b>8 AVERY COURT AT PIT 65/66</b> 29" DEEP TIME READING 12:30 3" 12:35 12" 12:40 17 1/2" 12:45 20" 12:50 23" 12:55 25" 1:00 26 1/2" 1:05 28" 1:10 DRY PERC RATE: 1" / 3.3 MINS.	<b>9 AVERY COURT AT PIT 35/36</b> 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.
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<b>13 AVERY COURT AT PIT 31/32</b> 30" DEEP TIME READING 10:41 3" 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.	<b>13 AVERY COURT AT PIT 33/34</b> 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.	<b>14 AVERY COURT AT PIT 79/80</b> 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.	<b>15 AVERY COURT AT PIT 29/30</b> 32" DEEP TIME READING 11:24 3 1/2" 11:29 7 1/2" 11:34 11" 11:39 15 1/2" 11:44 20 1/2" 11:49 25 1/2" 11:54 29" 11:59 30 1/2" 12:04 DRY PERC RATE: 1" / 3.3 MINS.	<b>16 AVERY COURT AT PIT 17/18</b> 29" DEEP TIME READING 1:41 4" 1:46 10" 1:51 13" 1:56 15 1/2" 2:01 17 1/2" 2:06 19" 2:11 20 1/2" 2:16 22" 2:21 22 1/4" 2:26 23 1/2" 2:31 25" 2:35 25" PERC RATE: 1" / 4 MINS.	<b>18 AVERY COURT AT PIT 77/78</b> 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.
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PERCOLATION TESTS PERFORMED ON APRIL 22, 2024 BY DIETER & GARDNER, INC.

<b>7 AVERY COURT AT PIT 316/317</b> 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.	<b>8 AVERY COURT AT PIT 302/303</b> 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.	<b>10 AVERY COURT AT PIT 300/301</b> 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.	<b>11 AVERY COURT AT PIT 312/313</b> 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.	<b>12 AVERY COURT AT PIT 304/305</b> 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.
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<b>13 AVERY COURT AT PIT 314/315</b> 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.	<b>15 AVERY COURT AT PIT 310/311</b> 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.	<b>16 AVERY COURT AT PIT 306/307</b> 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.	<b>17 AVERY COURT AT PIT 308/309</b> 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.
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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. MINIMUM REQUIRED AREA IS 495 S.F.
  - C. GST 6236 LEACHING SYSTEM SELECTED FOR LEACHING SYSTEM DESIGN.
- 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.

MLSS TABLE (NOT APPLICABLE)						
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 \_\_\_\_\_ DATE \_\_\_\_\_  
 THE LEDYARD PLANNING AND ZONING COMMISSION ON \_\_\_\_\_

LOT NUMBERS ASSIGNED BY THE ASSESSOR \_\_\_\_\_

ASSESSOR \_\_\_\_\_ DATE \_\_\_\_\_

IWWC 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. \_\_\_\_\_ DATE \_\_\_\_\_

PUBLIC WORKS DIRECTOR/TOWN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

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

CHAIRMAN OR SECRETARY OF THE LEDYARD PLANNING AND ZONING COMMISSION \_\_\_\_\_ DATE \_\_\_\_\_

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**PLAN SHOWING  
 PERCOLATION TEST DATA  
 AND  
 SEPTIC SYSTEM DESIGN CRITERIA  
 RESUBDIVISION  
 PROPERTY OF  
 AVERY BROOK HOMES LLC  
 96, 98 & 100 STODDARDS WHARF ROAD  
 A.K.A.  
 CONNECTICUT ROUTE 214  
 LEDYARD, CONNECTICUT  
 MARCH 2024**

REVISED: APRIL 24, 2024  
 REVISED: MAY 13, 2024 TO ADDRESS LHLD COMMENTS