

Date: 3/5/25

To: Sergio Cherenzia, P.E.

Subject Property: 550 Al Harvey Rd, Map 112 Block 2 Lot 1, Stonington CT, 06378

Plan Designed by: Sergio Cherenzia, P.E. Plan Date: **1/27/25** Last Revision Date: **2/19/25** Date Paid: 2/20/25

The plan and associated information submitted to our office on **2/20/25** for a proposed lot subdivision/commission review. Lots range from 1.9-5.4 acres and are to be served by **private water** and **private septic systems**, in the Town of Stonington.

**The Ledge Light Health District (LLHD) does not issue approvals for Subdivision or Commission reviews, but our recommendation for suitability of the previously stated plan/lots to accommodate the LLHD Subdivision Submission Requirements and Connecticut Public Health Code Section 19-13-B103e are as follows:**

**Sublots 1 & 3 are recommended suitable in their current condition**

#### **Additional Suitability Issues**

***The following are not currently required by CT Public Health Code and/or LLHD Plan Review Policies are encouraged/recommended to protect the proposed structures, onsite septic systems, water treatment discharge system an/or water supply/groundwater.***

1. With overlapping well radii, it is recommended that a hydrologist review the site and provide an opinion on the ability of the aquifer to support the number of wells proposed.
2. The designer should take into consideration the location of the potential future water treatment discharge systems, rain gardens, and footing/gutter drain discharge locations.
3. Additional soil testing and plan review shall be required if lots are to be built upon.

#### **Notes**

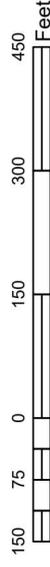
1. Existing dug well and drilled well located on Sublot 2 shall remain 75' away from the current and proposed septic systems.
2. B100a approval for Sublot 2 identifies a code complying area using 3 rows of 64' GST 6206 product.
3. Sub lot 4 is an open lot that contains no proposed system or soil testing at this time.

\*Please note that soils testing indicated on this plan are representative of actual soils conditions and additional deep test pits and percolation tests may be required by the Ledge Light Health District if the building or system location is altered and/or the suitable septic area is limited. Applicant should be aware that subdivision approval IS NOT sufficient for individual lot approval. Each lot must be reviewed by the Ledge Light Health District at the time of building permit application in order to obtain lot approval and issue a septic/well permit.



2020 AERIAL MAP  
ID 112-2-1 | 550 Al Harvey Road  
Stonington, Connecticut

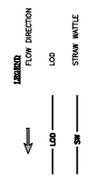
LEGEND



General Notes:

1. This map should not be interpreted as a survey quality graphic. It is designed for preliminary planning purposes only. AES recommends consultation with a Professional Land Surveyor for accurate site feature locations.
2. Property lines as depicted on this map have been approximated from plat maps available from the town assessor's online database.
3. Aerial photograph base map and other data layers acquired from the CT DEEP and CTGIS database.

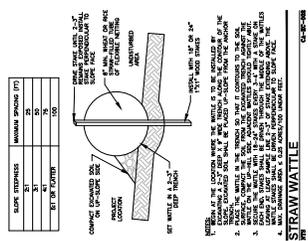
Map created by: Patrick J. Lyvland, GIS Specialist 09/16/2024



NO.	DATE	DESCRIPTION	BY	CHKD.
1	2/10/22	ISSUED FOR PERMIT	JP	SMC
2	1/10/23	ISSUED FOR PERMIT	JP	SMC

SCALE: 1" = 50'  
 DRAWN BY: J.P.  
 CHECK BY: S.C.  
 JANUARY 27, 2023

<b>ISSUED FOR PERMITTING</b>
<b>SOIL EROSION SEDIMENT CONTROL PLAN</b>
<b>TROMBINO - AL HARVEY 3-LOT SUBDIVISION</b> 599 AL HARVEY ROAD STONINGTON, CONNECTICUT MAP 112 BLOCK 2 LOT 1
PREPARED FOR <b>STANO TROMBINO</b>
<b>C-6</b>



1. THE CONTRACTOR SHALL MAINTAIN THE WATTLE AS TO BE INSTALLED BY THE CONTRACTOR. THE WATTLE SHALL BE REPLACED IMMEDIATELY AFTER THE WATTLE IS DAMAGED OR REMOVED.
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SCALE: 1" = 50'



**550 AL HARVEY ROAD  
 MAP 112 BLOCK 1 LOT 1  
 STONINGTON, CT**

DATE OF TEST (MOSE)	SAINTANNA/S	12/17/2024	VENDY ISLAND
TEST HOLE #1	19K-3	19K-4	
TEST HOLE #2	19K-4	19K-5	
GROUNDWATER	N/A	GROUNDWATER	19K-5
WATER SEEPAGE	36"	N/A	
LEDGE	N/A	N/A	
ROOTS	N/A	N/A	
RESTRICTIVE	N/A	N/A	
DEPTH	0-18	TOPSOIL	
	18-44	ORANGE BROWN VERY FINE SANDY LOAM	
	44-115	ORANGE BROWN FINE SANDY LOAM	
		WITH ROOTS, COMPACT LOAM, NOTED THROUGHOUT.	
		WITH SILT	
		GREY BROWN CLAY	

TEST HOLE #3	19K-6	19K-7
TEST HOLE #4 <td>19K-7</td> <td>19K-8</td>	19K-7	19K-8
GROUNDWATER <td>N/A</td> <td>GROUNDWATER</td>	N/A	GROUNDWATER
WATER SEEPAGE <td>N/A</td> <td>N/A</td>	N/A	N/A
LEDGE <td>N/A</td> <td>N/A</td>	N/A	N/A
ROOTS <td>N/A</td> <td>N/A</td>	N/A	N/A
RESTRICTIVE <td>N/A</td> <td>N/A</td>	N/A	N/A
DEPTH <td>0-18</td> <td>TOPSOIL</td>	0-18	TOPSOIL
	18-22	ORANGE BROWN FINE SANDY LOAM
	22-34	GREY BROWN VERY FINE SANDY LOAM
		MOTTLED
		MEDIUM TO COARSE GRADE

TEST HOLE #5	19K-9	19K-10
TEST HOLE #6 <td>19K-10</td> <td>19K-11</td>	19K-10	19K-11
GROUNDWATER <td>N/A</td> <td>GROUNDWATER</td>	N/A	GROUNDWATER
WATER SEEPAGE <td>51"</td> <td>60"</td>	51"	60"
LEDGE <td>N/A</td> <td>N/A</td>	N/A	N/A
ROOTS <td>N/A</td> <td>N/A</td>	N/A	N/A
RESTRICTIVE <td>36"</td> <td>26"</td>	36"	26"
DEPTH <td>0-18</td> <td>TOPSOIL</td>	0-18	TOPSOIL
	18-21	ORANGE BROWN FINE SANDY LOAM
	21-49	LIGHT GREY SILTY POCKET WEST SIDE
	49-78	SAND AND GRAVEL WITH DISPERSED FINE SAND AND COBBLES
	78-84	

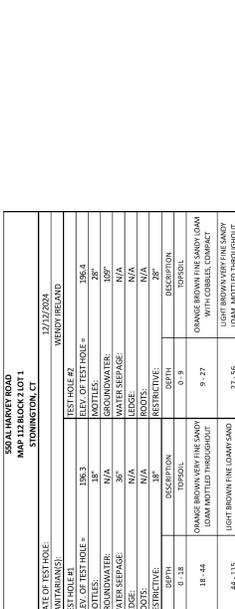
TEST HOLE #7	19K-12	19K-13
TEST HOLE #8 <td>19K-13</td> <td>19K-14</td>	19K-13	19K-14
GROUNDWATER <td>N/A</td> <td>GROUNDWATER</td>	N/A	GROUNDWATER
WATER SEEPAGE <td>51"</td> <td>60"</td>	51"	60"
LEDGE <td>N/A</td> <td>N/A</td>	N/A	N/A
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	78-84	

PRECIPITATION TIME	1:00 PM - 2:30 PM	PERC. RATE (MIN/IN)
TIME	0	0.00
	2:35 PM	0
	2:48 PM	2.43
	3:00 PM	2.75
	3:12 PM	26.67
	3:30 PM	20.00
	3:45 PM	13.30

PRECIPITATION TIME	1:00 PM - 2:30 PM	PERC. RATE (MIN/IN)
TIME	0	0.00
	2:35 PM	0
	2:46 PM	1.875
	3:07 PM	3.30
	3:17 PM	3.25
	3:27 PM	20.00
	3:40 PM	16.00

PRECIPITATION TIME	1:00 PM - 2:30 PM	PERC. RATE (MIN/IN)
TIME	0	0.00
	2:41 PM	1.1
	2:54 PM	26.00
	3:14 PM	31.00
	3:24 PM	40.00
	3:35 PM	21.00

**PERC. RATE (MIN/IN)**  
 AVERAGE PERC. RATE: 25.93  
 MAXIMUM PERC. RATE: 26.00  
 MINIMUM PERC. RATE: 0.00  
 \*ASSUME THE 0.00 MIN/IN IS AN ANOMALY AND PERC IS RECALCULATED TO BE 24.00 MIN/IN BETWEEN 32 AND 11 IN



**RAIN GARDEN CONSTRUCTION:** SHOULD BE INSTALLED AT THE INFLOW TO PREVENT OVERFLOW. THE INFLOW SHOULD BE 12\"/>

**RAIN GARDEN MAINTENANCE NOTES:**  
 1. PRECIPITATION RECORDS OF PLANTS TO BE REMOVED FROM THE RAIN GARDEN WHEN THE PLANTS ARE 18\"/>

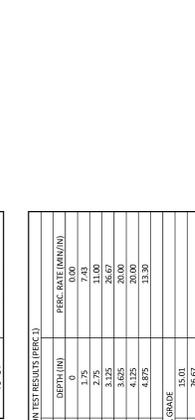
**CRUSHED STONE DRIVEWAY:**  
 1. FINISH GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE FINISH GRADE OF THE ADJACENT DRIVEWAY. THE FINISH GRADE OF THE DRIVEWAY SHALL BE 1\"/>



**CONSTRUCTION ENTRANCE:**  
 1. FINISH GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE FINISH GRADE OF THE ADJACENT DRIVEWAY. THE FINISH GRADE OF THE DRIVEWAY SHALL BE 1\"/>

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PLAN REVISIONS	NO.	DATE	DESCRIPTION	ISSUED BY	DATE
1	2/20/24		LIBERATION	JR	2/20/24
2	1/16/25		TYPING/INQUIRY	JR	1/16/25

SCALE	DATE	BY	CHECK
AS SHOWN	JANUARY 27, 2025	DR. NICK C. VERRI #228986	CHIEF PR. SAC

**ISSUED FOR PERMITTING**

**DETAIL 2**

**TROMBINO - AL HARVEY 3-LOT SUBDIVISION**  
 550 AL HARVEY ROAD  
 STONINGTON, CONNECTICUT  
 MAP 112 BLOCK 1 LOT 1

**PREPARED FOR**  
 STANO TROMBINO



**C-8**