





## State of Vermont

---

### WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

#### LAWS/REGULATIONS INVOLVED

Environmental Protection Rules

Effective August 16, 2002

Case Number: WW-4-1966

PIN: EJ03-0277

Landowner: Ron Lamell, Sr.

Address: 82A Jericho Road  
Essex Junction, VT 05452

This project, consisting of a four lot residential subdivision identified as Lots #1 through #4, with Lots #1, #2 and #4 each proposed for the construction of one four bedroom single family residence and Lot #3 with an existing four bedroom single family residence, each lot to be served by individual on-site drilled well and wastewater disposal systems, located off Weed Road in the Town of Essex, Vermont is hereby approved under the requirements of the regulations named above subject to the following conditions.

1. This permit does not relieve the permittee from obtaining all other approvals and permits as may be required the Department of Environmental Conservation, Water Quality Division – telephone (802) 241-3770, and local officials prior to proceeding with this project.
2. The project shall be completed as shown on the following plans which have been stamped “approved” by the Wastewater Management Division:

**Job #2050, Plan Sheet #1 “Site Plan” dated 6-21-02 last revised 11-1-03; Plan Sheet #4 “Details & Specifications Soils & Sewage Disposal” revised 5-8-03; and Plan Sheet #5 “Sewage Plan” dated 6-21-03 last revised 11-1-03 prepared by O’Leary-Burke Civil Associates, PLC.**

The project shall not deviate from the approved plans in a manner that would change or affect the exterior water supply or wastewater disposal system, building location or the approved use of the building without prior written approval from the Wastewater Management Division.

3. The conditions of this permit shall run with the land and will be binding upon and enforceable against the permittee and all assigns and successors in interest. The permittee shall be responsible for the recording of this permit and the “Notice of Permit Recording” in the Essex Land Records within thirty, (30) days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.
4. Each prospective purchaser of each lot shall be shown copies of the Wastewater System And Potable Water Supply Permit and the approved plans prior to conveyance of the lot.

Wastewater System and Potable Water Supply Permit

WW-4-1966

Ron Lamell, Sr.

Page 2

5. This project has been reviewed and approved for the construction of one four bedroom single-family residence on each lot. The permittee shall not construct any other type of structure requiring plumbing, including public buildings, duplexes, condominium units, or commercial buildings, without prior review and approval by the Wastewater Management Division. Such approvals will not be granted unless the proposal conforms to the applicable laws and regulations.
6. The Wastewater Management Division now reviews the water supply and wastewater disposal systems for all buildings under 10 V.S.A., Chapter 64 – Potable Water Supply and Wastewater System Permit.
7. This permit shall in no way relieve you of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.

**WATER SUPPLY & WASTEWATER DISPOSAL**

8. No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a certification from a designer or the installer, signed and dated, that states:

“I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and the potable water supply and wastewater system were installed in accordance with the permitted design and all permit conditions, were inspected, were properly tested, and have successfully met those performance tests.”
9. Each lot is approved for an on-site water supply system from a drilled well provided that the well is located as shown on the approved plan. The Wastewater Management Division shall allow no other method, or location of obtaining potable water without prior review and approval. Each well location shall meet all minimum separation distances required by the Environmental Protection Rules, Chapter 21, Water Supply Rule, Appendix A, Part 11 – Small Scale Water Systems, Section 11.4. The well shall be constructed in accordance with the Appendix A, Part 12.
10. Lot #3 may continue to utilize the existing on-site drilled well until such time as either a wastewater disposal system is constructed in the primary mound or replacement mound site designated on the stamped plans for Lot #3 or a wastewater disposal system is constructed in the replacement mound site on Lot #4. Condition #8 of this permit for the inspection of a wastewater disposal system constructed on Lot #3 or in the replacement mound site on Lot #4 shall include a certification that the existing well on Lot #3 has been properly closed and the single family residence on Lot #3 is connected to a new well drilled in the approved location on Lot #3.
11. Each lot is approved for wastewater disposal by construction and utilization of the site-specific mound wastewater disposal systems depicted on the approved plans. The Wastewater Management Division shall allow no other method, or location of wastewater disposal without prior review and approval. The Wastewater Management Division is to be notified, if at any time the wastewater disposal system fails to function properly and/or creates a health hazard.

Wastewater System and Potable Water Supply Permit

WW-4-1966

Ron Lamell, Sr.

Page 3

12. Each lot is approved for the mound wastewater disposal systems provided each mound is constructed in strict accordance with the following conditions:
  - A. A licensed designer shall inspect each mound system during critical stages of construction. This shall include the staking of the location of the mound, ensuring the site has been properly plowed prior to placement of the appropriate sand fill, the installation and testing of the distribution piping, final grading of the mound including side slopes, and pump station installation.
  - B. The construction of each mound shall adhere to the guidelines set forth in Section 1-517(f) of the above referenced rules
  - C. Each approved wastewater disposal system has been designed to serve a three-bedroom single-family residence. Prior to any increase in bedrooms, the landowner shall submit an application, fee, and engineering plans for review and approval by the Wastewater Management Division.
13. Each future wastewater disposal "replacement area" designated on the approved plans shall be held in reserve for the eventual construction of a replacement wastewater disposal system in the event of the failure of the primary wastewater disposal system. Prior to construction of a replacement wastewater disposal system, the landowner shall submit an application, fee and engineering plans for review and approval by the Wastewater Management Division.
14. No buildings, roads, water lines, soil removal or other construction that might interfere with the installation or operation of the wastewater disposal systems are allowed on or near the site-specific wastewater disposal systems or replacement areas depicted on the approved plans. All isolation distances, which are set forth in the Environmental Protection rules, will be incorporated into the construction and installation of the wastewater disposal field. Compliance with these isolation distances is required.

**Dated at Essex Junction, Vermont on November 3, 2003.**

Jeffrey Wennberg, Commissioner  
Department of Environmental Conservation

By   
Ernest Christianson  
Regional Engineer

C For the Record  
Essex Planning Commission & Select Board  
O'Leary-Burke Civil Associates  
Water Supply Division  
Water Quality Division

### TESTING REQUIREMENTS

1. THE CONTRACTOR SHALL DESIGN ALL MATERIALS AND PERSONNEL FOR THE FOLLOWING TESTS:
  - a. ALL MATERIALS SHALL BE TESTED BY PLANS WITH THE CONTRACTOR'S TEST REPORTS.
  - b. ALL MATERIALS SHALL BE TESTED BY PLANS WITH THE CONTRACTOR'S TEST REPORTS.
  - c. ALL MATERIALS SHALL BE TESTED BY PLANS WITH THE CONTRACTOR'S TEST REPORTS.
2. DISTRIBUTION MAPS:
  - a. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DISTRIBUTION MAP OF THE PROJECT AREA SHOWING THE LOCATION OF ALL UTILITIES, EXISTING AND PROPOSED, AND THE LOCATION OF ALL STRUCTURES TO BE CONSTRUCTED.
  - b. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
  - c. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.

### GENERAL SPECIFICATIONS

1. ALL MATERIALS SHALL BE TESTED BY PLANS WITH THE CONTRACTOR'S TEST REPORTS.
2. DISTRIBUTION MAPS:
  - a. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DISTRIBUTION MAP OF THE PROJECT AREA SHOWING THE LOCATION OF ALL UTILITIES, EXISTING AND PROPOSED, AND THE LOCATION OF ALL STRUCTURES TO BE CONSTRUCTED.
  - b. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
  - c. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
3. ALL MATERIALS SHALL BE TESTED BY PLANS WITH THE CONTRACTOR'S TEST REPORTS.
4. DISTRIBUTION MAPS:
  - a. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DISTRIBUTION MAP OF THE PROJECT AREA SHOWING THE LOCATION OF ALL UTILITIES, EXISTING AND PROPOSED, AND THE LOCATION OF ALL STRUCTURES TO BE CONSTRUCTED.
  - b. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
  - c. THE DISTRIBUTION MAP SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.

### CONSTRUCTION REQUIREMENTS

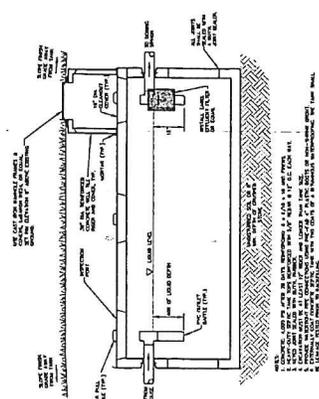
1. UTILITIES INFORMATION: THE CONTRACTOR SHALL OBTAIN FROM THE BEST AVAILABLE SOURCE ALL UTILITIES INFORMATION FOR THE PROJECT AREA. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, ALL MATERIALS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A MATERIALS LIST AND SAMPLES OF ALL MATERIALS TO BE USED IN THE PROJECT.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.

### INSPECTION REQUIREMENTS

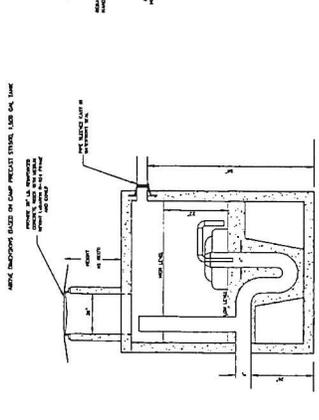
1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

### STAKE-OUT REQUIREMENTS

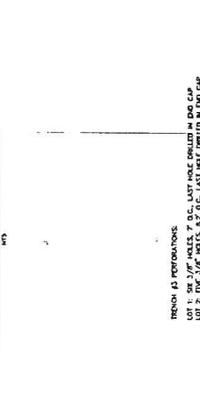
1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND STRUCTURES TO BE CONSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PROCESS.



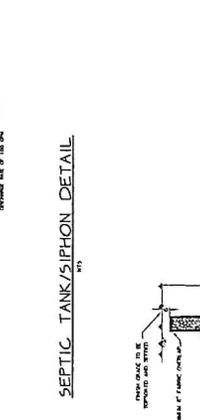
CONCRETE SEPTIC TANK



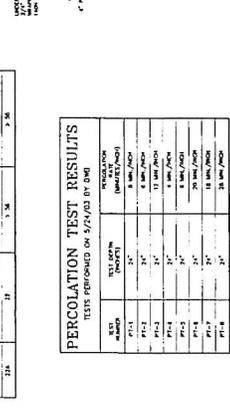
SEPTIC TANK/SIPHON DETAIL



PLAN VIEW



CURTAIN DRAIN DETAIL



TYPICAL TRENCH

#### SUMMARY OF SOIL TEST PIT LOGS

TEST PIT NO.	DEPTH (FEET)	SOIL TYPE	PERCENTAGE SAND	PERCENTAGE SILT	PERCENTAGE CLAY
1	1.0	CLAY	10	80	10
2	1.5	CLAY	10	80	10
3	2.0	CLAY	10	80	10
4	2.5	CLAY	10	80	10
5	3.0	CLAY	10	80	10
6	3.5	CLAY	10	80	10
7	4.0	CLAY	10	80	10
8	4.5	CLAY	10	80	10
9	5.0	CLAY	10	80	10
10	5.5	CLAY	10	80	10
11	6.0	CLAY	10	80	10
12	6.5	CLAY	10	80	10
13	7.0	CLAY	10	80	10
14	7.5	CLAY	10	80	10
15	8.0	CLAY	10	80	10
16	8.5	CLAY	10	80	10
17	9.0	CLAY	10	80	10
18	9.5	CLAY	10	80	10
19	10.0	CLAY	10	80	10
20	10.5	CLAY	10	80	10
21	11.0	CLAY	10	80	10
22	11.5	CLAY	10	80	10
23	12.0	CLAY	10	80	10
24	12.5	CLAY	10	80	10
25	13.0	CLAY	10	80	10
26	13.5	CLAY	10	80	10
27	14.0	CLAY	10	80	10
28	14.5	CLAY	10	80	10
29	15.0	CLAY	10	80	10
30	15.5	CLAY	10	80	10
31	16.0	CLAY	10	80	10
32	16.5	CLAY	10	80	10
33	17.0	CLAY	10	80	10
34	17.5	CLAY	10	80	10
35	18.0	CLAY	10	80	10
36	18.5	CLAY	10	80	10
37	19.0	CLAY	10	80	10
38	19.5	CLAY	10	80	10
39	20.0	CLAY	10	80	10
40	20.5	CLAY	10	80	10
41	21.0	CLAY	10	80	10
42	21.5	CLAY	10	80	10
43	22.0	CLAY	10	80	10
44	22.5	CLAY	10	80	10
45	23.0	CLAY	10	80	10
46	23.5	CLAY	10	80	10
47	24.0	CLAY	10	80	10
48	24.5	CLAY	10	80	10
49	25.0	CLAY	10	80	10
50	25.5	CLAY	10	80	10
51	26.0	CLAY	10	80	10
52	26.5	CLAY	10	80	10
53	27.0	CLAY	10	80	10
54	27.5	CLAY	10	80	10
55	28.0	CLAY	10	80	10
56	28.5	CLAY	10	80	10
57	29.0	CLAY	10	80	10
58	29.5	CLAY	10	80	10
59	30.0	CLAY	10	80	10
60	30.5	CLAY	10	80	10
61	31.0	CLAY	10	80	10
62	31.5	CLAY	10	80	10
63	32.0	CLAY	10	80	10
64	32.5	CLAY	10	80	10
65	33.0	CLAY	10	80	10
66	33.5	CLAY	10	80	10
67	34.0	CLAY	10	80	10
68	34.5	CLAY	10	80	10
69	35.0	CLAY	10	80	10
70	35.5	CLAY	10	80	10
71	36.0	CLAY	10	80	10
72	36.5	CLAY	10	80	10
73	37.0	CLAY	10	80	10
74	37.5	CLAY	10	80	10
75	38.0	CLAY	10	80	10
76	38.5	CLAY	10	80	10
77	39.0	CLAY	10	80	10
78	39.5	CLAY	10	80	10
79	40.0	CLAY	10	80	10
80	40.5	CLAY	10	80	10
81	41.0	CLAY	10	80	10
82	41.5	CLAY	10	80	10
83	42.0	CLAY	10	80	10
84	42.5	CLAY	10	80	10
85	43.0	CLAY	10	80	10
86	43.5	CLAY	10	80	10
87	44.0	CLAY	10	80	10
88	44.5	CLAY	10	80	10
89	45.0	CLAY	10	80	10
90	45.5	CLAY	10	80	10
91	46.0	CLAY	10	80	10
92	46.5	CLAY	10	80	10
93	47.0	CLAY	10	80	10
94	47.5	CLAY	10	80	10
95	48.0	CLAY	10	80	10
96	48.5	CLAY	10	80	10
97	49.0	CLAY	10	80	10
98	49.5	CLAY	10	80	10
99	50.0	CLAY	10	80	10
100	50.5	CLAY	10	80	10

#### PERCOLATION TEST RESULTS

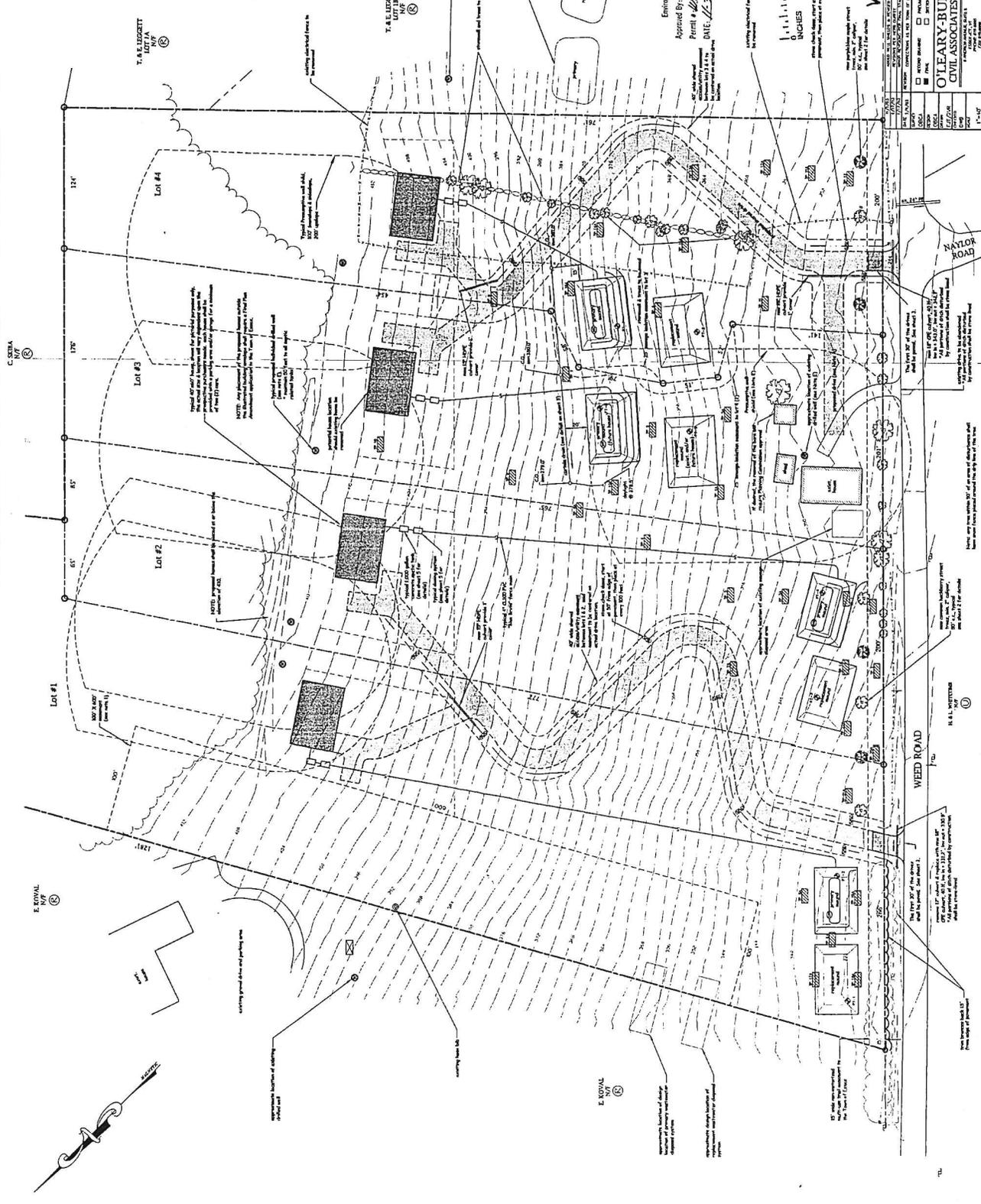
TEST NO.	DEPTH (FEET)	PERCENTAGE SAND	PERCENTAGE SILT	PERCENTAGE CLAY
1	1.0	10	80	10
2	1.5	10	80	10
3	2.0	10	80	10
4	2.5	10	80	10
5	3.0	10	80	10
6	3.5	10	80	10
7	4.0	10	80	10
8	4.5	10	80	10
9	5.0	10	80	10
10	5.5	10	80	10
11	6.0	10	80	10
12	6.5	10	80	10
13	7.0	10	80	10
14	7.5	10	80	10
15	8.0	10	80	10
16	8.5	10	80	10
17	9.0	10	80	10
18	9.5	10	80	10
19	10.0	10	80	10
20	10.5	10	80	10
21	11.0	10	80	10
22	11.5	10	80	10
23	12.0	10	80	10
24	12.5	10	80	10
25	13.0	10	80	10
26	13.5	10	80	10
27	14.0	10	80	10
28	14.5	10	80	10
29	15.0	10	80	10
30	15.5	10	80	10
31	16.0	10	80	10
32	16.5	10	80	10
33	17.0	10	80	10
34	17.5	10	80	10
35	18.0	10	80	10
36	18.5	10	80	10
37	19.0	10	80	10
38	19.5	10	80	10
39	20.0	10	80	10
40	20.5	10	80	10
41	21.0	10	80	10
42	21.5	10	80	10
43	22.0	10	80	10
44	22.5	10	80	10
45	23.0	10	80	10
46	23.5	10	80	10
47	24.0	10	80	10
48	24.5	10	80	10
49	25.0	10	80	10
50	25.5	10	80	10
51	26.0	10	80	10
52	26.5	10	80	10
53	27.0	10	80	10
54	27.5	10	80	10
55	28.0	10	80	10
56	28.5	10	80	10
57	29.0	10	80	10
58	29.5	10	80	10
59	30.0	10	80	10
60	30.5	10	80	10
61	31.0	10	80	10
62	31.5	10	80	10
63	32.0	10	80	10
64	32.5	10	80	10
65	33.0	10	80	10
66	33.5	10	80	10
67	34.0	10	80	10
68	34.5	10	80	10
69	35.0	10	80	10
70	35.5	10	80	10
71	36.0	10	80	10
72	36.5	10	80	10
73	37.0	10	80	10
74	37.5	10	80	10
75	38.0	10	80	10
76	38.5	10	80	10
77	39.0	10	80	10
78	39.5	10	80	10
79	40.0	10	80	10
80	40.5	10	80	10
81	41.0	10	80	10
82	41.5	10	80	10
83	42.0	10	80	10
84	42.5	10	80	10
85	43.0	10	80	10
86	43.5	10	80	10
87	44.0	10	80	10
88	44.5	10	80	10
89	45.0	10	80	10
90	45.5	10	80	10
91	46.0	10	80	10
92	46.5	10	80	10
93	47.0	10	80	10
94	47.5	10	80	10
95	48.0	10	80	10
96	48.5	10	80	10
97	49.0	10	80	10
98	49.5	10	80	10
99	50.0	10	80	10
100	50.5	10	80	10

#### SEWAGE DESIGN INFORMATION

NO.	DESCRIPTION	AMOUNT
1	SEWER MAIN	1000
2	SEWER MANHOLE	10
3	SEWER TRENCH	100
4	SEWER CLEANOUT	10
5	SEWER VALVE	10
6	SEWER FITTING	10
7	SEWER BRACKET	10
8	SEWER HANGAR	10
9	SEWER SUPPORT	10
10	SEWER ANCHOR	10
11	SEWER GUY	10
12	SEWER TIE	10
13	SEWER JUNCTION	10
14	SEWER OFFSET	10
15	SEWER REPAIR	10
16	SEWER REPLACEMENT	10
17	SEWER ENLARGEMENT	10
18	SEWER REDUCTION	10
19	SEWER CLEANING	10
20	SEWER INSULATION	10
21	SEWER PROTECTION	10
22	SEWER SURVEILLANCE	10
23	SEWER RECORDING	10
24		

# Legend

- PROJECT BOUNDARY
- NEW PROPERTY LINE
- ADJUTING PROPERTY LINE
- EASEMENT LINE
- THRESHOLD
- EXISTING BOUNDARY CONTOUR
- GRAVELLED WELL
- STONE WALL
- UTILITY POLE
- OVER HEAD WIRE
- EXISTING SIGN
- TEXT SET
- ELECTRIC TRANSFORMER
- PROPERTY CORNER
- RESIDENTIAL USE
- UNDEVELOPED LAND
- SEE TYPE



Owner/Applicant  
 Ron Lamell Sr.  
 82A Jericho Road  
 Essex Jct., VT 05452  
 Vol. 491, Pg. 140  
 157 PAGE

Approved By: *[Signature]*  
 Environmental Conservation  
 Department  
 Permit # *100-4-1966*  
 DATE: *12-3-63*

Approved By: *[Signature]*  
 Environmental Conservation  
 Department  
 Permit # *100-4-1966*  
 DATE: *12-3-63*

PROJECT	WEED ROAD
OWNER	RON LAMELL SR.
DESIGNER	O'LEARY-BURKE CIVIL ASSOCIATES, P.C.
DATE	12-3-63
SCALE	1" = 40'
PROJECT NO.	100-4-1966
DATE	12-3-63
BY	[Signature]
CHECKED BY	[Signature]
APPROVED BY	[Signature]
DATE	12-3-63

WEED ROAD

NAYLOR ROAD

Lot #1

Lot #2

Lot #3

Lot #4

157 PAGE



## State of Vermont

### WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

#### LAWS/REGULATIONS INVOLVED

Environmental Protection Rules

Effective August 16, 2002

Case Number: WW-4-1966-R

PIN: EJ03-0277

Landowner: Ron Lamell, Sr.

Address: 82A Jericho Road  
Essex Junction, VT 05452

This project, consisting of a four lot residential subdivision identified as Lots #1 through #4, with Lots #1, #2 and #4 each proposed for the construction of one four bedroom single family residence and Lot #3 with an existing four bedroom single family residence, each lot to be served by individual on-site drilled well and wastewater disposal systems and amending Wastewater System and Potable Water Supply Permit to correct Condition #12(C) to state each single family residence is approved for the construction of one four bedroom single family residence located off Weed Road in the Town of Essex, Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions.

1. This permit does not relieve the permittee from obtaining all other approvals and permits as may be required the Department of Environmental Conservation, Water Quality Division – telephone (802) 241-3770, and local officials **prior** to proceeding with this project.
2. The project shall be completed as shown on the following plans which have been stamped “approved” by the Wastewater Management Division:

**Job #2050, Plan Sheet #1 “Site Plan” dated 6-21-02 last revised 11-1-03; Plan Sheet #4 “Details & Specifications Soils & Sewage Disposal” revised 5-8-03; and Plan Sheet #5 “Sewage Plan” dated 6-21-03 last revised 11-1-03 prepared by O’Leary-Burke Civil Associates, PLC.**

The project shall not deviate from the approved plans in a manner that would change or affect the exterior water supply or wastewater disposal system, building location or the approved use of the building without prior written approval from the Wastewater Management Division.

3. The conditions of this permit shall run with the land and will be binding upon and enforceable against the permittee and all assigns and successors in interest. The permittee shall be responsible for the recording of this permit and the “Notice of Permit Recording” in the Essex Land Records within thirty, (30) days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.
4. Each prospective purchaser of each lot shall be shown copies of the Wastewater System And Potable Water Supply Permit and the approved plans prior to conveyance of the lot.

5. This project has been reviewed and approved for the construction of one four bedroom single-family residence on each lot. The permittee shall not construct any other type of structure requiring plumbing, including public buildings, duplexes, condominium units, or commercial buildings, without prior review and approval by the Wastewater Management Division. Such approvals will not be granted unless the proposal conforms to the applicable laws and regulations.
6. The Wastewater Management Division now reviews the water supply and wastewater disposal systems for all buildings under 10 V.S.A., Chapter 64 – Potable Water Supply and Wastewater System Permit.
7. This permit shall in no way relieve you of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.
8. This permit shall supersede Wastewater System and Potable Water Supply Permit #WW-4-1966 thereby rendering it null and void.

#### **WATER SUPPLY & WASTEWATER DISPOSAL**

9. No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a certification from a designer or the installer, signed and dated, that states:

“I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and the potable water supply and wastewater system were installed in accordance with the permitted design and all permit conditions, were inspected, were properly tested, and have successfully met those performance tests.”
10. Each lot is approved for an on-site water supply system from a drilled well provided that the well is located as shown on the approved plan. The Wastewater Management Division shall allow no other method, or location of obtaining potable water without prior review and approval. Each well location shall meet all minimum separation distances required by the Environmental Protection Rules, Chapter 21, Water Supply Rule, Appendix A, Part 11 – Small Scale Water Systems, Section 11.4. The well shall be constructed in accordance with the Appendix A, Part 12.
11. Lot #3 may continue to utilize the existing on-site drilled well until such time as either a wastewater disposal system is constructed in the primary mound or replacement mound site designated on the stamped plans for Lot #3 or a wastewater disposal system is constructed in the replacement mound site on Lot #4. Condition #8 of this permit for the inspection of a wastewater disposal system constructed on Lot #3 or in the replacement mound site on Lot #4 shall include a certification that the existing well on Lot #3 has been properly closed and the single family residence on Lot #3 is connected to a new well drilled in the approved location on Lot #3.
12. Each lot is approved for wastewater disposal by construction and utilization of the site-specific mound wastewater disposal systems depicted on the approved plans. The Wastewater Management Division shall allow no other method, or location of wastewater disposal without prior review and approval. The Wastewater Management Division is to be notified, if at any time the wastewater disposal system fails to function properly and/or creates a health hazard.

13. Each lot is approved for the mound wastewater disposal systems provided each mound is constructed in strict accordance with the following conditions:
  - A. A licensed designer shall inspect each mound system during critical stages of construction. This shall include the staking of the location of the mound, ensuring the site has been properly plowed prior to placement of the appropriate sand fill, the installation and testing of the distribution piping, final grading of the mound including side slopes, and pump station installation.
  - B. The construction of each mound shall adhere to the guidelines set forth in Section 1-517(f) of the above referenced rules
  - C. Each approved wastewater disposal system has been designed to serve a four-bedroom single-family residence. Prior to any increase in bedrooms, the landowner shall submit an application, fee, and engineering plans for review and approval by the Wastewater Management Division.
14. Each future wastewater disposal "replacement area" designated on the approved plans shall be held in reserve for the eventual construction of a replacement wastewater disposal system in the event of the failure of the primary wastewater disposal system. Prior to construction of a replacement wastewater disposal system, the landowner shall submit an application, fee and engineering plans for review and approval by the Wastewater Management Division.
15. No buildings, roads, water lines, soil removal or other construction that might interfere with the installation or operation of the wastewater disposal systems are allowed on or near the site-specific wastewater disposal systems or replacement areas depicted on the approved plans. All isolation distances, which are set forth in the Environmental Protection rules, will be incorporated into the construction and installation of the wastewater disposal field. Compliance with these isolation distances is required.

**Dated at Essex Junction, Vermont on November 17, 2003.**

Jeffrey Wennberg, Commissioner  
Department of Environmental Conservation

By   
Ernest Christianson  
Regional Engineer

C For the Record  
Essex Planning Commission & Select Board  
O'Leary-Burke Civil Associates  
Water Supply Division  
Water Quality Division