

Appeal Period Expires <u>11/12/24</u> Zoning District <u>AR + SRPO</u>	Town of Essex, Vermont Application for Zoning Permit (Building Permit)	Application Date <u>1/1/</u> Permit Number <u>2024-205</u>
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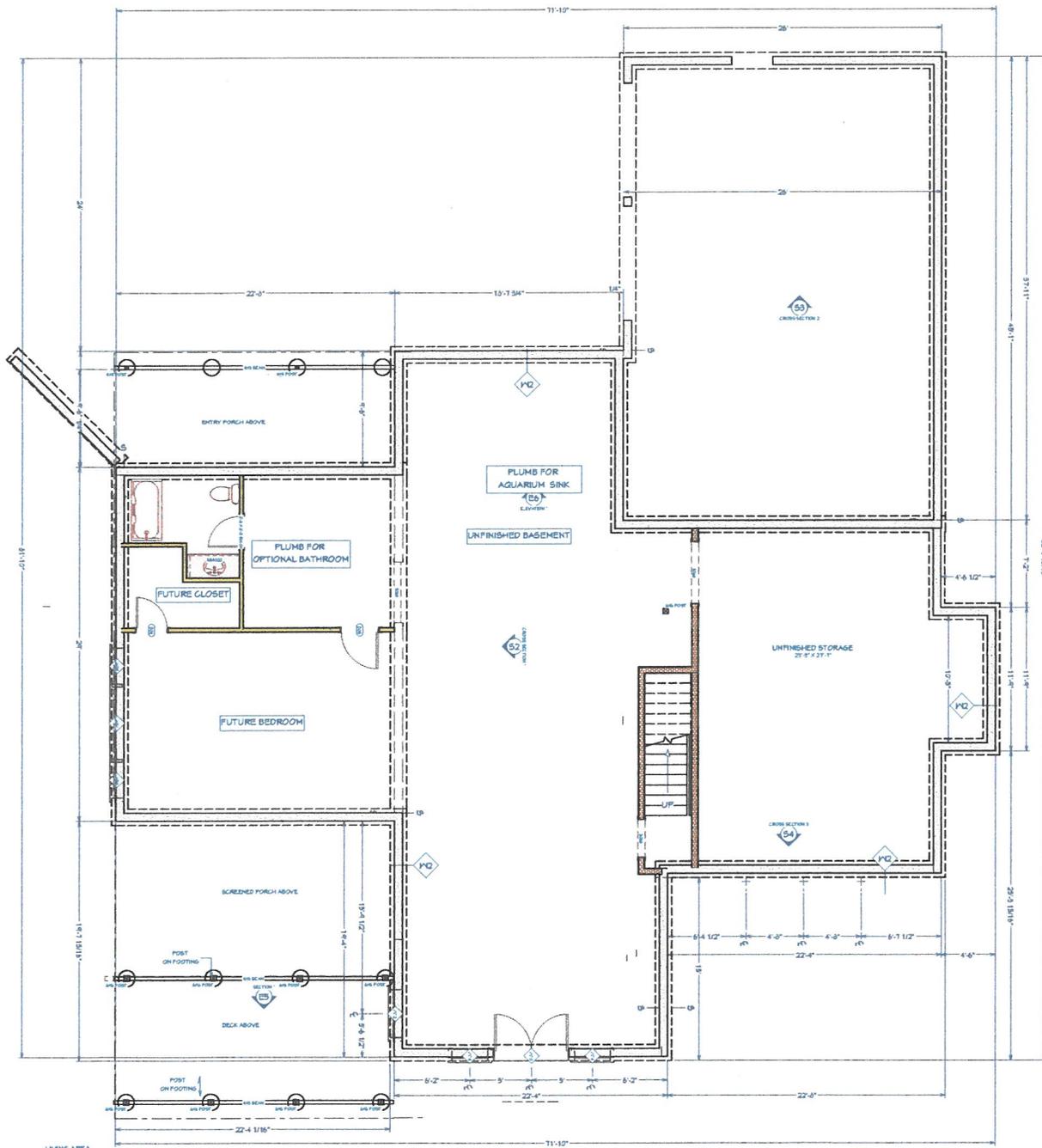
- Contact State Permit Specialist Jeff McMahon (477-2241) to check for state permitting and/or setbacks.
- Post permit card visible to the road immediately as Permit is appealable within 15 days of issuance.
- Call the Zoning Administrator at 878-1343 to schedule a Certificate of Occupancy inspection if indicated below as required.
- Call the Assessor at 878-1345 to schedule a re-assessment upon completion of work.
- Provide a diagram showing proposal and any easements, well or septic locations, etc.

SIGN HERE: EM

A Parcel Account Numb. (Map-Parcel-Lot) 2- <u>014-043-600</u> Property Address: <u>137 CHAPIN RD.</u> Owner: <u>ADAM DOTSON MARK KING</u> Owner Address: <u>137 CHAPIN RD.</u> Owner Phone: (work) _____ (Cell) <u>(502) 316 4932</u> (Email) <u>ADAM DOTSON @ YAHOO. COM</u> Tenants name: <u>ERIC MORRIS</u> Phone: _____ (or contractor) <u>MORRIS ERIC @ GMAIL. COM</u> Cell: <u>233-3759</u> Estimated Construction Dates: Start: <u>11/6/24</u> Completion: <u>8/6/25</u> Sq. Feet: <u>2600</u> Estimated Cost (labor & materials): <u>\$ 1,000,000</u>	G																								
B Sewage Disposal (Please attach Sewer and/or State Septic Approval). Public <input type="checkbox"/> Septic <input checked="" type="checkbox"/> Connection Fee \$ _____ Date Paid: <u>1/1/</u> Proposed New Bedrooms: <u>3</u> Existing Bedrooms <u>attached</u> <u>WW-4-4679</u>	Check box(es) which describe proposed use or construction (circle choice in parenthesis). N = New A = Addition R = Remodel Residential: Single Family <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Two-family (duplex)(other) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Multi-family <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Condominium / Townhouse <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Mobile home <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Inclusions or Additions: Garage (attached) (detached) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Porch (enclosed) (open) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Deck <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Pool (in) (above) ground <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Shed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Barn (residential) (agriculture) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Non-residential: Commercial / Industrial <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Stormwater: Stormwater <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Erosion Control <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other: Change in use <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Miscellaneous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Renewal <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																								
C Water (Please attach Water Service Application if applicable). Public <input type="checkbox"/> Well <input checked="" type="checkbox"/> Fee \$ _____ Date Paid: <u>1/1/</u> <u>WW-4-4671</u>																									
D Driveway (Please attach copy of approved Curbcut / Utility Application). Date of approval: <u>10/29/24</u> <u>attached</u>																									
E Stormwater <input type="checkbox"/> Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application. <input type="checkbox"/> Project creates new or expands existing impervious surface greater than or equal to 1/2 acre – Erosion Control Permit and Stormwater Management Permit required. Attach completed permit application.																									
F Diagram – Show a sketch of project on reverse of this application with property lines, building, and setbacks or attach separate sheet.	Office Use Only <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fees:</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Date Pd</th> </tr> </thead> <tbody> <tr> <td>Permit</td> <td></td> <td>\$ <u>2,700.</u></td> <td><u>10/23/24</u></td> </tr> <tr> <td>Recreation</td> <td></td> <td>\$ <u>628</u></td> <td></td> </tr> <tr> <td>Recording</td> <td></td> <td>\$ <u>30</u></td> <td></td> </tr> <tr> <td>Certificate of Occ</td> <td></td> <td>\$ <u>100</u></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td>\$ _____</td> <td></td> </tr> </tbody> </table> Building Permit Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/> Date <u>10/28/24</u> Issued to: <u>A. Dotson: Mark King</u> Zoning Administrator: <u>Sharon Kelley</u> Notes: <u>RIBES Energy</u> <u>cert required</u> C.O. Required (Certificate of Occupancy) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Fees:	Type	Amount	Date Pd	Permit		\$ <u>2,700.</u>	<u>10/23/24</u>	Recreation		\$ <u>628</u>		Recording		\$ <u>30</u>		Certificate of Occ		\$ <u>100</u>		Other		\$ _____	
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Other		\$ _____																							
Signature of Tenant and Signature of Owner <u>EM</u> <u>SRPO 2010.</u>																									

To be constructed pursuant to Planning Commission Approval # PC:2001-8 issued on 3-8-2001 AND within Building envelope which is outside of

**THIS PERMIT VALID FOR TWELVE (12) MONTHS FROM DATE OF ISSUE
RENEW FOR 1 YEAR (FREE) IF NOT EXPIRED**



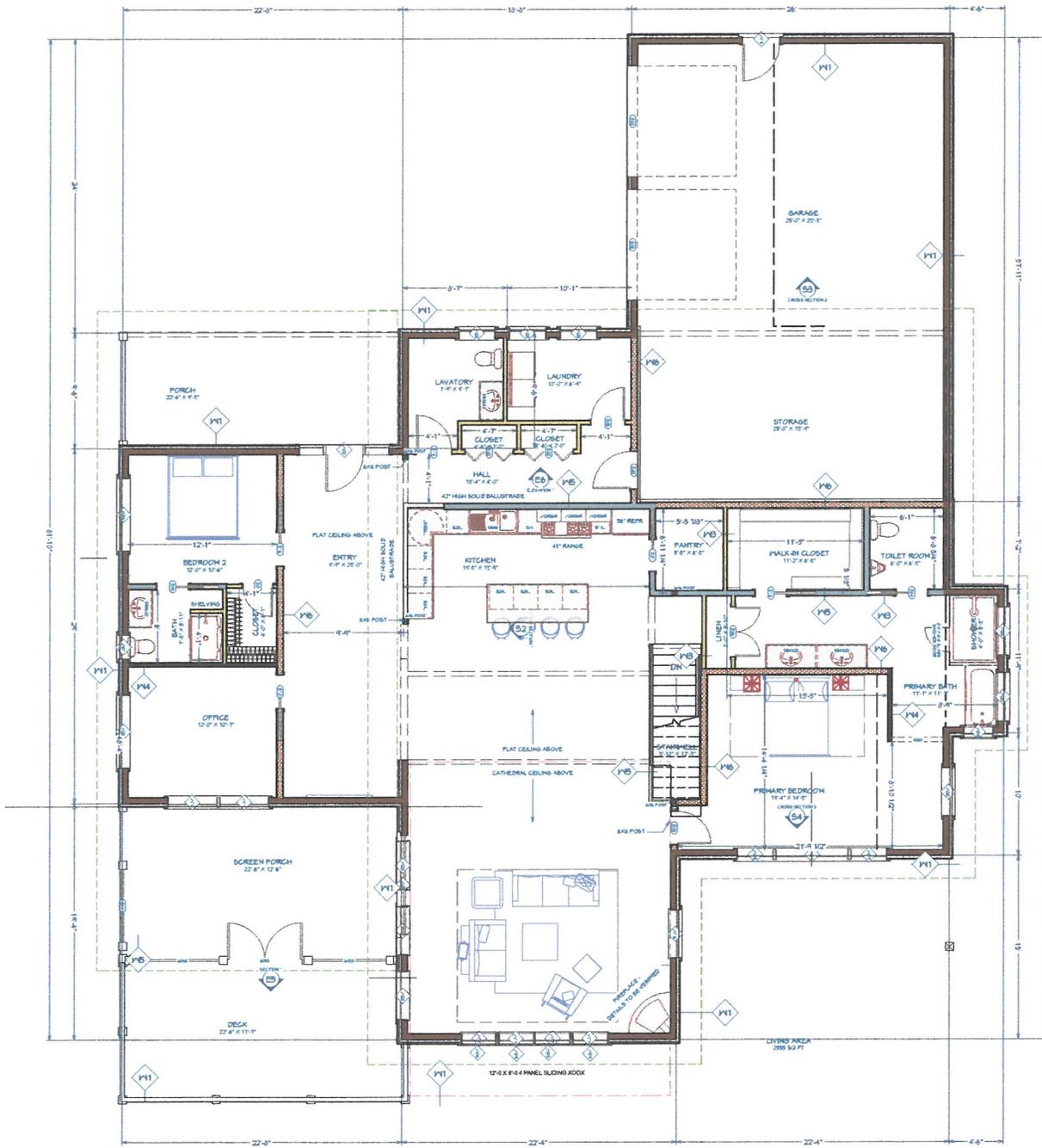
LIVING AREA
104 SQ FT


BASEMENT PLAN
 SCALE - 1/4" = 1'-0"

Dotson-King-091124-2436

A-4	SHEET:	1/4" = 1'-0"	SCALE:	9/11/2024	DATE:	DRAWINGS PROVIDED BY:	PROJECT DESCRIPTION:	SHEET TITLE:	NO.	DESCRIPTION	BY	DATE
						Kim Brown Projects Box 92 Waterbury Center, Vermont 05677 802-244-8156	KING-DOTSON RESIDENCE OSGOOD HILL ROAD WESTFORD, VERMONT	BASEMENT PLAN				

A-100

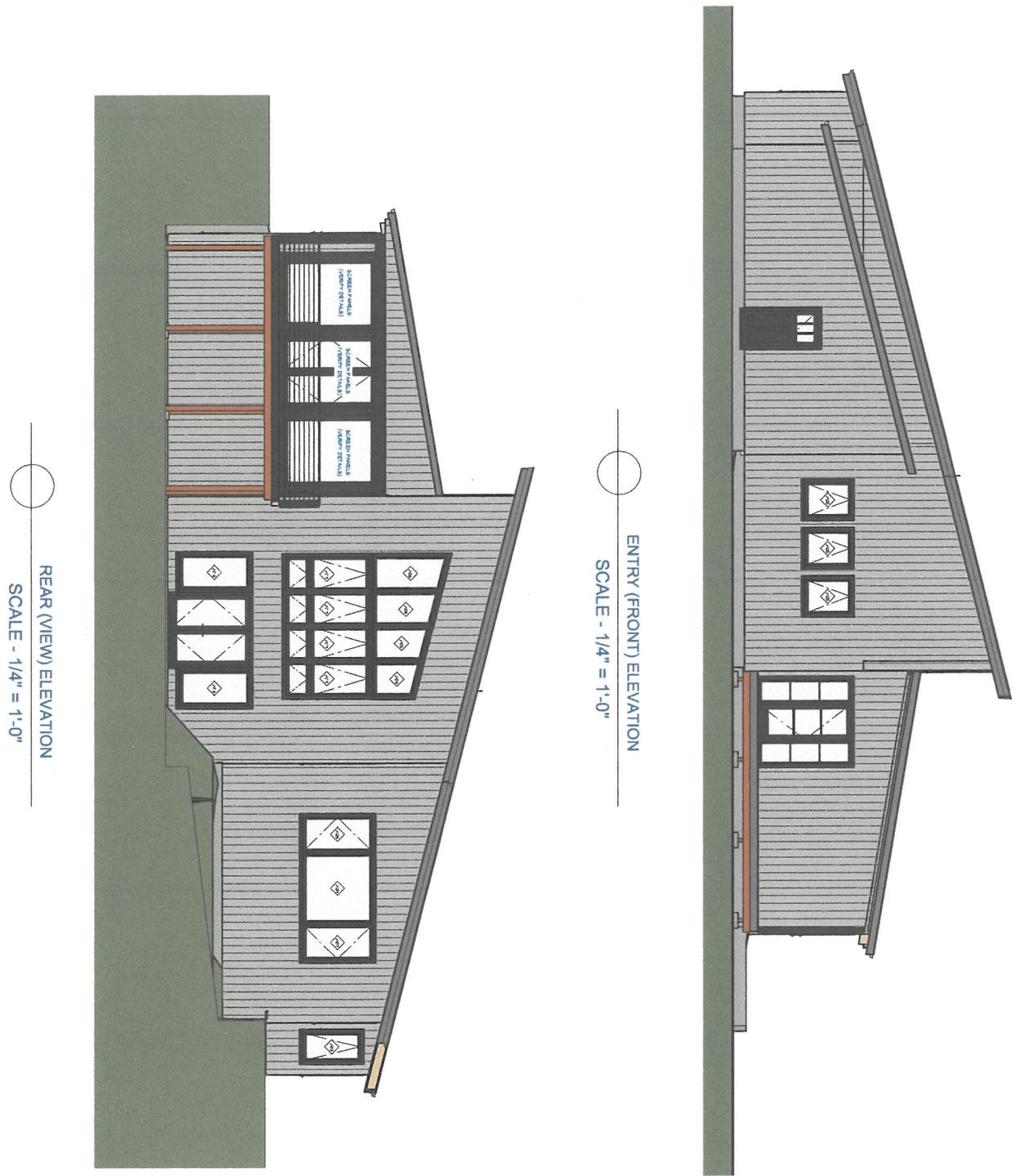



1ST FLOOR PLAN
 SCALE - 1/4" = 1'-0"

Dotson-KIng-091124-2436

A-5	SHEET:	1/4" = 1'-0"	SCALE:	9/11/2024	DATE:	DRAWINGS PROVIDED BY:	PROJECT DESCRIPTION:	SHEET TITLE:	NO.	DESCRIPTION	BY	DATE
						Kim Brown Projects <small>Box 92 Wakebury Center, Vermont 05677 802-244-8156</small>	KING-DOTSON RESIDENCE OSGOOD HILL ROAD WESTFORD, VERMONT	1ST FLOOR PLAN				

A-101

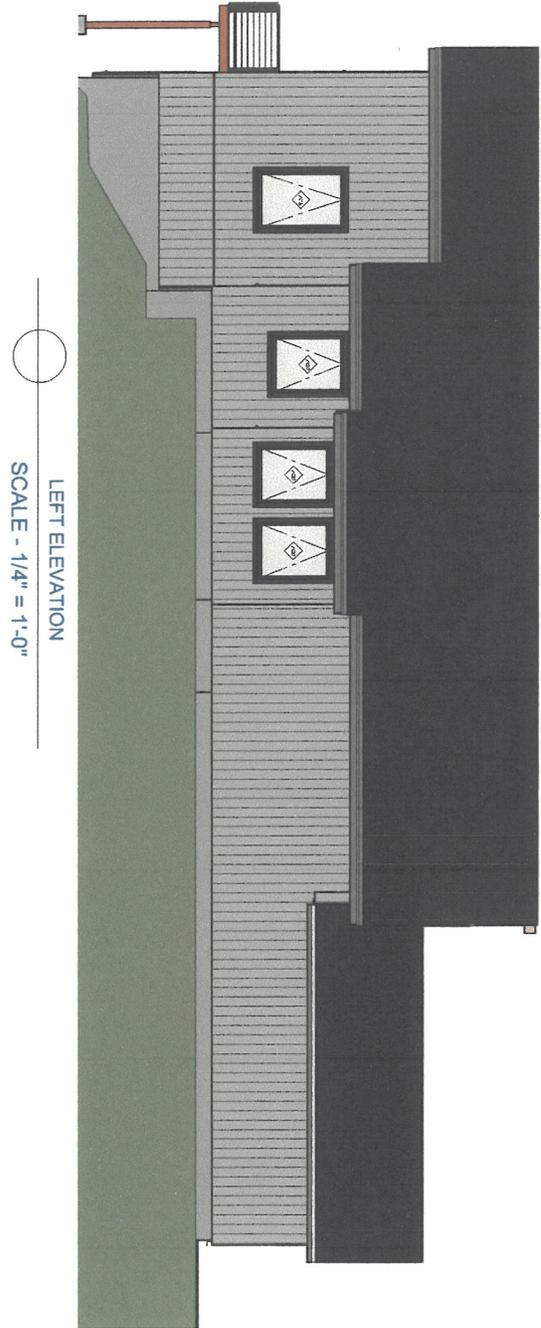
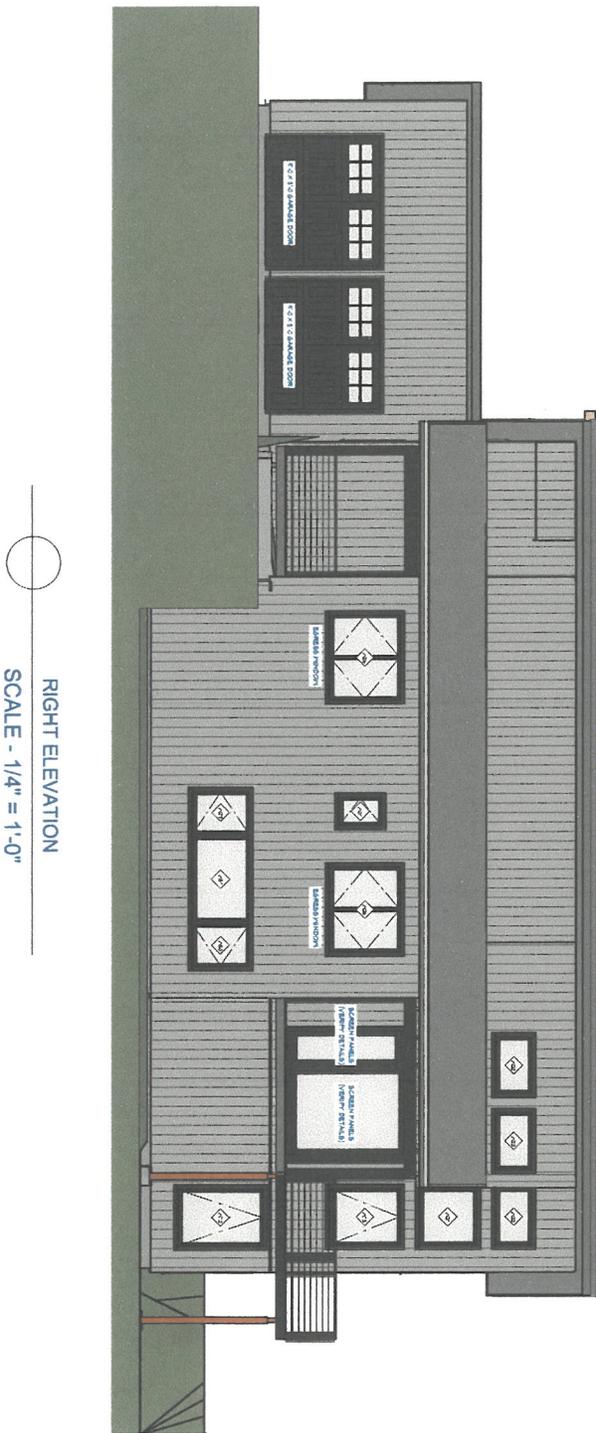


ENTRY (FRONT) ELEVATION
SCALE - 1/4" = 1'-0"

REAR (VIEW) ELEVATION
SCALE - 1/4" = 1'-0"

Dotson-KIng-091124-2436

A-6	SHEET:	1/4" = 1'-0"	SCALE:	9/11/2024	DATE:	DRAWINGS PROVIDED BY: Kim Brown Projects Box 92 Waterbury Center, Vermont 05677 802-244-8156	PROJECT DESCRIPTION: KING-DOTSON RESIDENCE 05600 HILL ROAD WESTFORD, VERMONT	SHEET TITLE: FRONT & REAR ELEVATIONS	NO.	DESCRIPTION	BY	DATE	A-201



Dotson-KIng-091124-2436

A-7	SHEET:	1/4" = 1'-0"	SCALE:	9/11/2024	DATE:	DRAWINGS PROVIDED BY:	Kim Brown Projects	PROJECT DESCRIPTION:	KING-DOTSON RESIDENCE 05600 HILL ROAD WESTFORD, VERMONT	SHEET TITLE:	LEFT & RIGHT ELEVATIONS	NO. DESCRIPTION BY DATE			A-202

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT
LAWS/REGULATIONS INVOLVED

10 V.S.A. Chapter 64, Potable Water Supply and Wastewater System Permit
Wastewater System and Potable Water Supply Rules, Effective September 29, 2007
Chapter 21, Water Supply Rules, Effective December 1, 2010

Landowner(s): John Egan
129 Chapin Road
Essex Junction VT 05452

Permit Number: WW-4-4671
PIN

Barbara Chapin
129 Chapin Road
Essex Junction VT 05452

This permit affects the following properties in Essex, Vermont:

Lot	Parcel	SPAN	Acres	Book(s)/Page(s)#
The Maples Lot 6	2014043600	207-067-11155	27.07	Book:697 Page(s):686-688, Book:597 Page(s):718-719, Book:462 Page(s):849-857

This project, consisting of the proposed construction of a four bedroom single family residence on Lot 6, an existing 27.07 acre lot which was approved by the Town of Essex in 2000, served by an in-ground wastewater system and a drilled bedrock well, located on 137 Chapin Road in Essex, Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions.

1. GENERAL

- 1.1 The project shall be completed as shown on the plans and/or documents prepared by Jay Renshaw, Licensed Designer, with the stamped plans listed as follows:

Title	Sheet Number	Plan Date
Overall Plan	C-1	06/10/2016
Wastewater Disposal Plan	C-2	06/15/2016
Wastewater Disposal Details	C-3	06/15/2016

- 1.2 This permit does not relieve the landowner from obtaining all other approvals and permits PRIOR to construction including, but not limited to, those that may be required from the Act 250 Environmental Commission; the Drinking Water and Groundwater Protection Division; the Watershed Management Division; the Division of Fire Safety; the Vermont Department of Health; the Family Services Division; or other State departments and local officials.
- 1.3 The conditions of this permit shall run with the land and will be binding upon and enforceable against the landowner and all assigns and successors in interest. The landowner shall record and index this permit 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.
- 1.4 The landowner shall record and index all required installation certifications and other documents that are required to be filed under these Rules or under a specific permit condition in the Essex Land Records and ensure that copies of all certifications are sent to the Secretary.



- 1.5 No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Designer (or where allowed, the installer) 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 the permit conditions, were inspected, were properly tested, and have successfully met those performance tests",

or which otherwise satisfies the requirements of §1-308 and §1-911 of the referenced rules.

- 1.6 Lot 6 is approved for the construction of a four bedroom single family residence. Construction of additional nonexempt buildings, including commercial and residential buildings, is not allowed without prior review and approval by the Drinking Water and Groundwater Protection Division and such approval will not be granted unless the proposal conforms to the applicable laws and regulations. No construction is allowed that will cause non-compliance with an existing permit.
- 1.7 Each purchaser of any portion of the project shall be shown a copy of the Wastewater System and Potable Water Supply Permit and the stamped plan(s), if applicable, prior to conveyance of any portion of the project to that purchaser.
- 1.8 By acceptance of this permit, the landowner agrees to allow representatives of the State of Vermont access to the property covered by the permit, at reasonable times, for the purpose of ascertaining compliance with the Vermont environmental and health statutes and regulations, and permit conditions.
- 1.9 Any person aggrieved by this permit may appeal to the Environmental Court within 30 days of the date of issuance of this permit in accordance with 10 V.S.A. Chapter 220 and the Vermont Rules of Environmental Court Proceedings.

2. WATER SUPPLY

- 2.1 Lot 6 is approved for a potable water supply using a drilled or percussion bedrock well for a maximum of **490 gallons** of water per day provided the supply is located as shown on the stamped plan(s) and meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule. The landowner shall operate the potable water supply in a manner that keeps the supply free from contamination. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a "failed supply".
- 2.2 The components of the potable water supply herein approved shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Designer (or where allowed, the installer) who shall, upon completion and prior to occupancy of the associated building, report in writing to the Drinking Water and Groundwater Protection Division that the installation was accomplished in accordance with the referenced plans and permit conditions, as specifically directed in Condition #1.5 herein.
- 2.3 The water source location as shown on the stamped plan(s) shall be staked out and flagged by a qualified Vermont Licensed Designer prior to any construction on this project with the flagging being maintained until construction is complete.

3. WASTEWATER DISPOSAL

- 3.1 This project is approved for the disposal of wastewater in accordance with the design depicted on the stamped plan(s) for a maximum of **490 gallons** of wastewater per day. The system(s) shall be operated at all times in a manner that will not permit the discharge of effluent onto the surface of the ground or into the waters of the State. Should the system fail and not qualify for the minor repair or replacement exemption, the current landowner shall engage a qualified Vermont Licensed Designer to evaluate the cause of the failure and to submit an application to this office and receive written approval prior to correcting the failure.
- 3.2 The components of the sanitary wastewater system herein approved shall be routinely and reliably inspected during construction by a Vermont Licensed Designer (or where allowed, the installer) who shall, upon completion and prior to occupancy of the associated building, report in writing to the Drinking Water and Groundwater Protection Division that the installation was accomplished in accordance with the referenced plans and permit conditions, as specifically directed in Condition #1.5 herein.
- 3.3 The corners of the proposed primary or replacement wastewater disposal area(s) shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.

- 3.4 The wastewater system for this project is approved for domestic type wastewater only except as allowed for water treatment discharges. No discharge of other type process wastewater is permitted unless prior written approval is obtained from the Drinking Water and Groundwater Protection Division.
- 3.5 No buildings, roads, water lines, earthwork, re-grading, excavation 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 system or replacement area depicted on the stamped plans. All isolation distances that are set forth in the Wastewater System and Potable Water Supply Rules shall be adhered to and will be incorporated into the construction and installation of the wastewater disposal field.

Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

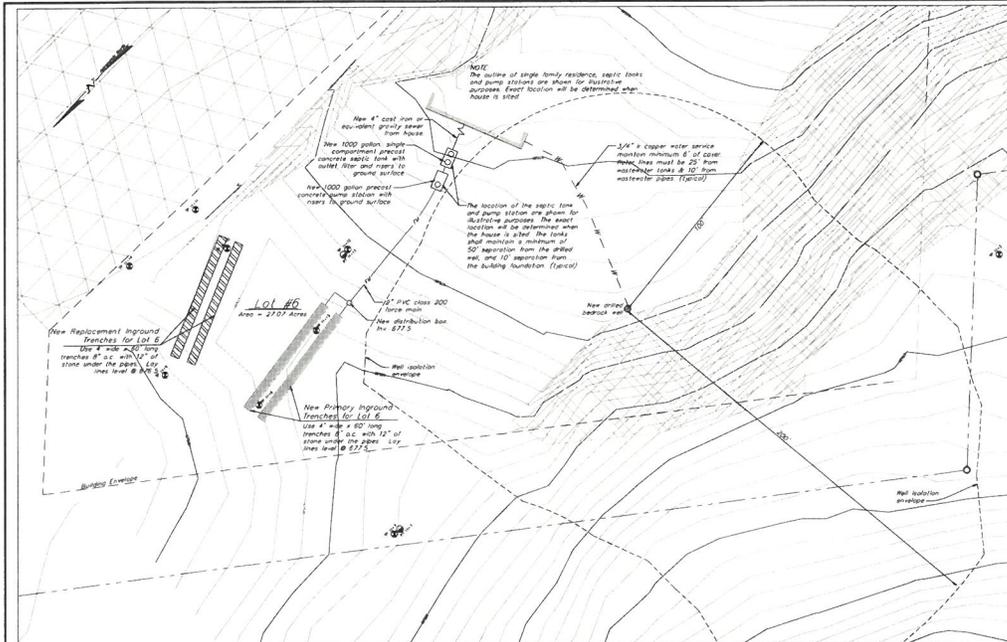


By _____

Dated July 29, 2016

Jessanne Wyman
Regional Engineer
Essex Junction Regional Office
Drinking Water and Groundwater Protection Division

cc: Jay Renshaw
Essex Planning Commission



Soil Test Pits

Person Present	Weather	Date	Soil Test Pit	Soil Test Pit
November 18, 2000	Clear	11/18/00	11-1	11-1
			11-2	11-2
			11-3	11-3
			11-4	11-4
			11-5	11-5
			11-6	11-6
			11-7	11-7
			11-8	11-8
			11-9	11-9
			11-10	11-10
			11-11	11-11
			11-12	11-12
			11-13	11-13
			11-14	11-14
			11-15	11-15
			11-16	11-16
			11-17	11-17
			11-18	11-18
			11-19	11-19
			11-20	11-20
			11-21	11-21
			11-22	11-22
			11-23	11-23
			11-24	11-24
			11-25	11-25
			11-26	11-26
			11-27	11-27
			11-28	11-28
			11-29	11-29
			11-30	11-30

Percolation Tests

Number	Soil Description
11-1	11-1
11-2	11-2
11-3	11-3
11-4	11-4
11-5	11-5

- ### Notes
- The maximum area of building envelopes for Lot 6 is 2 acres. The exact shape of the building envelopes are to be determined when the building permits are issued. Building envelopes shall be in accordance with all regulatory setbacks.
 - Setbacks are shown for illustrative purposes. Exact placement of setbacks will be selected after actual house locations have been determined.
 - This is not a boundary survey. Refer to plan titled "The Maples" 10/11/00, revised 5/25/00, recorded in Town of Essex land records, volume 3132.
 - Topographic information generated by KREBS and LANSING Consulting Engineers Inc. using total station measurements obtained from 11/29/99 - 1/2/01. The outer extent of the project and areas outside of engineered features will not be surveyed by KREBS and LANSING Inc. Topographic information was generated using DEM provided by the Vermont Mapping Program.
 - The sole intent of this plan is to provide the applicant with the required information in the pursuit of wastewater system and potable water supply permit to construct a single family residence on Lot 6.

Basis of Design

Inground Trenches Lot 6

The maximum allowed depth is required for any domestic sanitary sewer with a 4" diameter pipe.

Design Flow: For a 4 bedroom single family residence = 400 gpd/day. Additional bathroom based on 1 person per bathroom = 20 gpd/day. Total design flow = 420 gpd/day.

Application Rate: Based on average application rate of 1.5 inches per year. Application rate = 1.5 inches per year. The application rate is 1.5 inches per year.

Required Length Area: Area required = 420 gpd/day / 1.5 inches per year = 280 sq ft. The 4" pipe is 85' long trenches, 8" or larger.

Septic Tank: The 1000 gallon percolation chamber septic tank. The 1000 gallon percolation chamber septic tank.

Basis of Design - Onsite Potable Water System

Average Daily Demand = 3 bedrooms (1" x 400 GPD) + 2 bedrooms = 400 GPD) + 70 GPD per additional bedroom. Total Average Daily Demand = 480 Gallons Per Day.

Maximum Daily Demand = 480 GPD = 68 GPM.

Source Capacity = Not required for projects with maximum daily demand of 5 GPM or less.

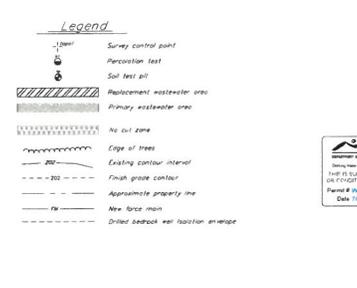
Storage Capacity = Not required for projects with maximum daily demand of 5 GPM or less.

Operating pressure range 40 psi to 80 psi. The well is not located in a flood plain.

Minimum Isolation Distances

Edge of System	Septic Tank	Well
Drilled well serving 1 home - lot slope of system	100'	30'
Drilled well serving 1 home - down slope of system	200'	30'
Lot and pond impoundment - standing water	30'	25'
Open channels	30'	10'
Swimming pools, including attached	30'	10'
Open or municipal water lines	25'	10'
Service water lines	25'	10'
Recreation, swimming, parking lots	25'	10'
Lot or impoundment or slope > 30%	25'	10'
Other impoundment, pond or replacement area	10'	10'
Foundation, building, streets, curtain drains	10'	10'
Surface water line	25' (75' alternative)	30'
Other	100'	30'

These distances may be increased if necessary to provide adequate protection.



For Permit Review

VERMONT
STATE ENGINEERING SEAL
DATE 11/18/00

Date	Revised	Description	Checked	Drawn
Design	MAR			
Drawn	SPR/CAF			
Checked	SPR			
Scale	1" = 40'			
Date	June 15, 2009			
Project	16197	Chain Road		

Wastewater Disposal Plan

The Maples Lot 6

KREBS & LANSING Consulting Engineers, Inc.
164 Main Street, Colchester, Vermont 05448

C-2

Inground System Construction Notes

- The Contractor shall submit samples of soils and a site analysis of the soil to the Engineer for review before construction begins.
- The Contractor shall notify the Engineer 24 hours in advance of the beginning of construction. Plans shall not proceed during periods of inclement weather. If it is the ground or other conditions that prevent construction, the Contractor shall be responsible for the delay.
- Plans are not to be used for any purpose during the construction of the in-ground system. All dimensions shall be in accordance with the State of Vermont Environmental Protection Rules Section 71-141-2.
- The Contractor shall be responsible for the construction of the in-ground system. All dimensions shall be in accordance with the State of Vermont Environmental Protection Rules Section 71-141-2.
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General Notes

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Basis of Design

Design Flow:
 1. 1 mgd (1 mgd x 1440 min / 24 hours = 144 GPD)
 2. (144 GPD / 100 GPD) = 1.44
 3. 1.44 x 100 GPD = 144 GPD
 4. 144 GPD x 1.25 = 180 GPD
 5. 180 GPD x 1.25 = 225 GPD
 6. 225 GPD x 1.25 = 281 GPD
 7. 281 GPD x 1.25 = 351 GPD
 8. 351 GPD x 1.25 = 439 GPD
 9. 439 GPD x 1.25 = 549 GPD
 10. 549 GPD x 1.25 = 686 GPD
 11. 686 GPD x 1.25 = 858 GPD
 12. 858 GPD x 1.25 = 1073 GPD
 13. 1073 GPD x 1.25 = 1341 GPD
 14. 1341 GPD x 1.25 = 1677 GPD
 15. 1677 GPD x 1.25 = 2096 GPD
 16. 2096 GPD x 1.25 = 2620 GPD
 17. 2620 GPD x 1.25 = 3275 GPD
 18. 3275 GPD x 1.25 = 4094 GPD
 19. 4094 GPD x 1.25 = 5118 GPD
 20. 5118 GPD x 1.25 = 6398 GPD
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TOWN OF ESSEX, VERMONT
APPLICATION FOR CURB CUT / UTILITY PERMIT

Pursuant to Title 19 V.S.A. Section 43. Application for curb cut and Utility Installation in Town Right-of-Way

All applications for curb cuts and utility installations shall be submitted to the Director of Public Works / Town Engineer for review. Applicants shall submit the information requested on this form and any additional information requested by the Director of Public Works / Town Engineer for a clear understanding of this application. The permit is issued under authority of the Town Manager in accordance with Section 601 of the Town Charter and 24 V.S.A. paragraph 1236 (2).

Application No. EXISTING FOR #135 / 10/23/24 Date
Property Address: 137 CHARLIND DR.
Owner Address: 137 CHARLIND DR.
Owner Name: MARK KIMB AARON DOTSON (502) 316 49 32
Phone Number: (home) _____ (work) _____ (cell) _____
Tax Map # 014 Tax Parcel 043 Tax Lot 600

Application is for: (check one)
A) New Curb Cut B) Utility Installation: Overhead Underground

Please use attached diagram to describe location and type of installation.

Comments by Director of Public Works / Town Engineer:
Culvert: Yes No Water Bar(s): Yes No
Culvert Diameter: (18 inch minimum) EXISTING Total length of Culvert: (30 foot minimum) _____

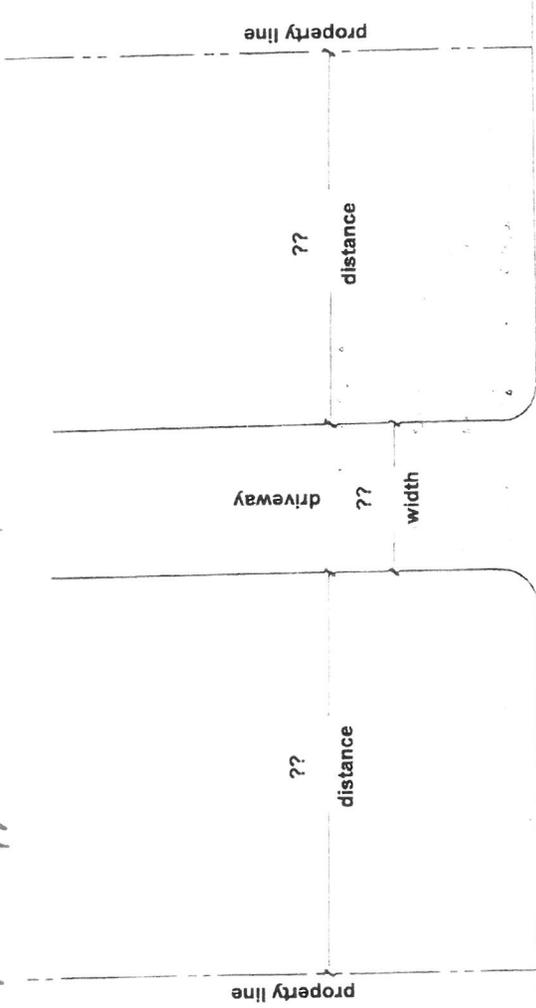
*** FOR OFFICE USE ONLY ***

Signature of Owner: FAL
Fee Paid \$ N/A
Approved Rejected

Daniel Nelson
Per Authority of the Town Manager by the
Director of Public Works / Town Engineer

1. Culvert must be HIGH DENSITY POLYETHYLENE (HDPE) PIPE

To Be constructed pursuant to
P.C. approval #2001, issued on 3-8-2001



137 Chapin Rd

STREET NAME

Comments and / or special instructions from Director of Public Works / Town Engineer :

AS PER P.C. APPROVAL

