

Transmittal

To: Company: Address: City/State:	Tow 3 W	servation Commission n of Leicester ashburn Square ester, MA 01524	Subject: Date: Transmi	F E	Requ Decei	Rawson S lest for Fi mber 5, 20 Mail	nal COC	File No. 197-0664 ☑ Hand
	2 2 2	For Your Approval For Your Review For Your Signature For Your Information For Your Files			Ap Ap Re	proved proved A	Resubmit	
1	copy	WPA Form 8A, Request f	for Final Co	ertif	ficat	e of Comp	pliance	
1	copy	Engineer's Affidavit of Si	te Work Co	mp	oletic	on dated 1	2/05/22	
1	copy	Asbuilt Septic & Conserv	ation C.O.(C. P	lan f	for 208 R	awson Stree	t dated 12/20/21
1	copy	WPA Form 8B, Draft Cer	rtificate of (Con	nplia	nce		
	copy copy							
Comments: Street. Th	Е	inclosed is the final Request						

Leicester Conservation Commission on June 16, 2021 (DEP #197-0664) and recorded in Worcester District Registry of Deeds Book 65501, Page 328.

I trust that the Commission will find that the site work has been completed in substantial compliance with the above noted OOC and that the attached documentation fulfills the final requirements for the project so that the Commission may issue a final COC at their next regularly scheduled meeting.

Should you have any questions or require any additional information, please call my cell at 508-769-9084.

Respectfully yours,

GRAZ Engineering, L.L.C.

Brian MacEwen, PLS, BSCE

Project Manager

cc: Gordon Olin, Owner



Massachusetts Department of Environmental ProtectionBureau of Resource Protection - Wetlands

WPA Form 8A - Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

197-0664 Provided by DEP

A. Project Information

Important: When filling out forms on the computer, use only the tab key to move your cursor do not use the return key.





Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

This request is being made by:							
Gordon Olin							
Name							
13 Butternut Lane							
Mailing Address							
Rindge	<u>NH</u>	<u>03461</u>					
City/Town	State	Zip Code					
603-817-2231 Phone Number							
This request is in reference to work r	s request is in reference to work regulated by a final Order of Conditions issued to:						
	eith Sparhawk (Sparhawk Realty, LLC)						
Applicant	407.0004						
6/16/2021	197-0664						
Dated	DEP File Number						
The project site is located at:	e project site is located at:						
208 Rawson Street	Leicester						
Ctroot Addrson	O:L-/T						
Street Address	City/Town						
26C Assessors Map/Plat Number	B3.0 Parcel/Lot Number	r					
Assessors Map/Plat Number The final Order of Conditions was red	B3.0 Parcel/Lot Number	r					
26C Assessors Map/Plat Number The final Order of Conditions was rec Keith Sparhawk (Sparhawk Re	B3.0 Parcel/Lot Number	r					
Assessors Map/Plat Number The final Order of Conditions was red Keith Sparhawk (Sparhawk Red Property Owner (if different)	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC)						
26C Assessors Map/Plat Number The final Order of Conditions was rec Keith Sparhawk (Sparhawk Re	B3.0 Parcel/Lot Number						
Assessors Map/Plat Number The final Order of Conditions was received the Sparhawk (Sparhawk Reproperty Owner (if different) Worcester	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501	<u>328</u>					
Assessors Map/Plat Number The final Order of Conditions was red Keith Sparhawk (Sparhawk Red Property Owner (if different) Worcester County	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501 Book	<u>328</u>					
Assessors Map/Plat Number The final Order of Conditions was received the Sparhawk (Sparhawk Reserved Property Owner (if different) Worcester County Certificate (if registered land) This request is for certification that (conditions)	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501 Book	<u>328</u> Page					
Assessors Map/Plat Number The final Order of Conditions was received. Keith Sparhawk (Sparhawk Reproperty Owner (if different) Worcester County Certificate (if registered land) This request is for certification that (conditional conditions) the work regulated by the above- the following portions of the work been satisfactorily completed (use	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501 Book check one):	328 Page isfactorily completed of Conditions have					
Assessors Map/Plat Number The final Order of Conditions was received. Keith Sparhawk (Sparhawk Reproperty Owner (if different) Worcester County Certificate (if registered land) This request is for certification that (conditional conditions) the work regulated by the above- the following portions of the work been satisfactorily completed (use	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501 Book check one): referenced Order of Conditions has been sate of the regulated by the above-referenced Order of see additional paper if necessary).	328 Page isfactorily completed of Conditions have					
Assessors Map/Plat Number The final Order of Conditions was received. Keith Sparhawk (Sparhawk Reproperty Owner (if different) Worcester County Certificate (if registered land) This request is for certification that (conditional conditions) the work regulated by the above- the following portions of the work been satisfactorily completed (use	B3.0 Parcel/Lot Number corded at the Registry of Deeds for: ealty, LLC) 65501 Book check one): referenced Order of Conditions has been sate of the regulated by the above-referenced Order of see additional paper if necessary).	328 Page isfactorily completed of Conditions have					

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work regulated by it was never started.



6.

Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

197-0664 Provided by DEP

A. Project Information (cont.)

	of Conditions for this project, or the portion of the project subject to this request, contain any plans stamped by a registered professional engineer, architect, landscape nd surveyor?
X Yes	If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.
☐ No	

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html).

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AFFIDAVIT OF SITE WORK COMPLETION

ASSESSORS MAP 26C, PARCEL B3.0 208 RAWSON STREET, LEICESTER DEP FILE NO. 197-0664

TO THE LEICESTER CONSERVATION COMMISSION:

We certify that based on our field inspections and surveys of the site from October 2021 - November 2022; that to the best of our knowledge, information, and belief that the site work depicted on the "Asbuilt Septic and Conservation C.O.C. Plan", dated December 20, 2021 and attached herewith as prepared by GRAZ Engineering, LLC was completed in substantial conformance with the approved plans entitled ""Subsurface Sewage Disposal System Proposed Repair Plan" prepared for Sparhawk Realty, LLC by Purcell Associates, Inc., dated September 14, 2018 and revised through September 18, 2018, and in accordance with the Order of Conditions as issued by the Town of Leicester Conservation Commission on June 16, 2021 as recorded in Worcester District Registry of Deeds Book 65501, Page 328.

All of the site development work for the project has been completed and is completely stabilized as established lawn areas or mulched side slopes accordingly.

<u>ENGINEER</u> SURVEYOR

Paul F. Grasewicz PE #35306 Brian C. MacEwen PLS #37736
ENGINEER MASS. REG. # SURVEYOR

GRAZ Engineering, L.L.C.
323 West Lake Road
Fitzwilliam, NH 03447

ADDRESS

GRAZ Engineering, LLC 323 West Lake Road Fitzwilliam, NH 03447

ADDRESS

SIGNATURE DATE



SIGNATURE DATE





Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

DEP File Number:

WPA Form 8B - Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

197-0664 Provided by DEP

A. Project Information

Important: When filling out forms on the computer, use	1.	This Certificate of Compliance is issued to: Gordon Olin					
only the tab key		Name 208 Rawson Street Mailing Address					
to move your cursor - do not use the return							
key.		Rindge	NH	03461			
		City/Town	State	Zip Code			
<u>tab</u>	2.	This Certificate of Compliance is issued for work regulated by a final Order of Conditions issued to: Keith Sparhawk (Sparhawk Realty, LLC)					

Name June 16, 2021 197-0664 Dated DEP File Number 3. The project site is located at: 208 Rawson Street Leicester Street Address City/Town B3.0 26C Assessors Map/Plat Number Parcel/Lot Number the final Order of Condition was recorded at the Registry of Deeds for: Property Owner (if different) Worcester <u>65501</u> 328 County Page

4. A site inspection was made in the presence of the applicant, or the applicant's agent, on:

Date



Massachusetts Department of Environmental ProtectionBureau of Resource Protection - Wetlands

WPA Form 8B – Certificate of ComplianceMassachusetts Wetlands Protection Act M.G.L. c. 131, §40

197-0664 Provided by DEP

DEP File Number:

B. Certification

Che	ck a	all that apply:				
	X	Complete Certification : It is hereby certified that the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.				
		Partial Certification: It is hereby certified that only the following portions of work regulated by the above-referenced Order of Conditions have been satisfactorily completed. The project areas or work subject to this partial certification that have been completed and are released from this Order are:				
		Invalid Order of Conditions: It is hereby certified that the work regulated by the above-referenced Order of Conditions never commenced. The Order of Conditions has lapsed and is therefore no longer valid. No future work subject to regulation under the Wetlands Protection Act may commence without filing a new Notice of Intent and receiving a new Order of Conditions.				
		Ongoing Conditions : The following conditions of the Order shall continue: (Include any conditions contained in the Final Order, such as maintenance or monitoring, that should continue for a longer period).				
		Condition Numbers:				
C.	Αι	ıthorization				
ا	Issı	ued by:				
-	Con	servation Commission Date of Issuance				
	This Certificate must be signed by a majority of the Conservation Commission and a					
		y sent to the applicant and appropriate DEP Regional Office (See b://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-				
		ional-office-for-your-city-or-town.html).				
;	Sig	natures:				
_						
_						
-						



Massachusetts Department of Environmental ProtectionBureau of Resource Protection - Wetlands

WPA Form 8B – Certificate of ComplianceMassachusetts Wetlands Protection Act M.G.L. c. 131, §40

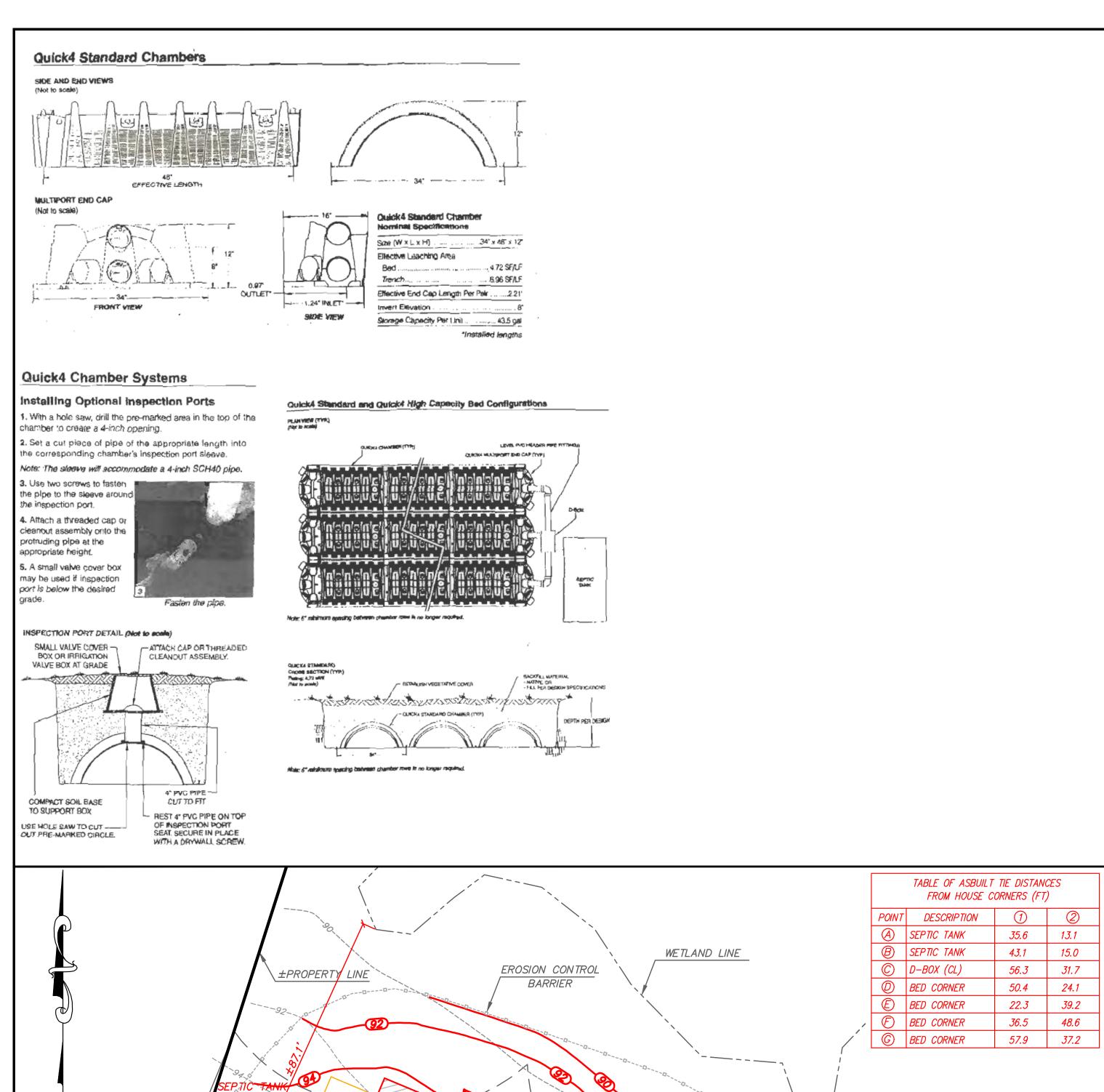
DEP File Number:

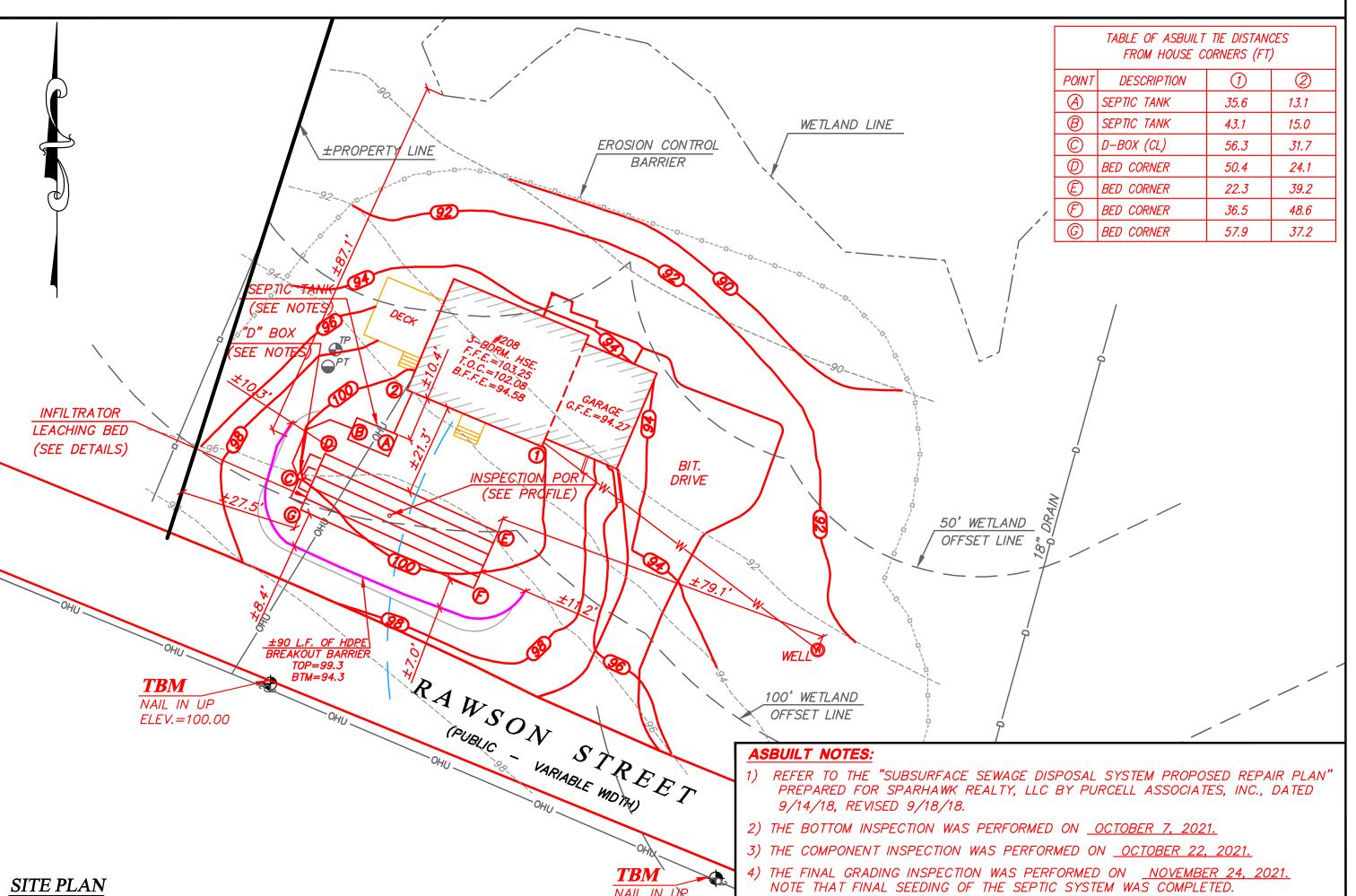
197-0664 Provided by DEP

D. Recording Confirmation

The applicant is responsible for ensuring that this Certificate of Compliance is recorded in

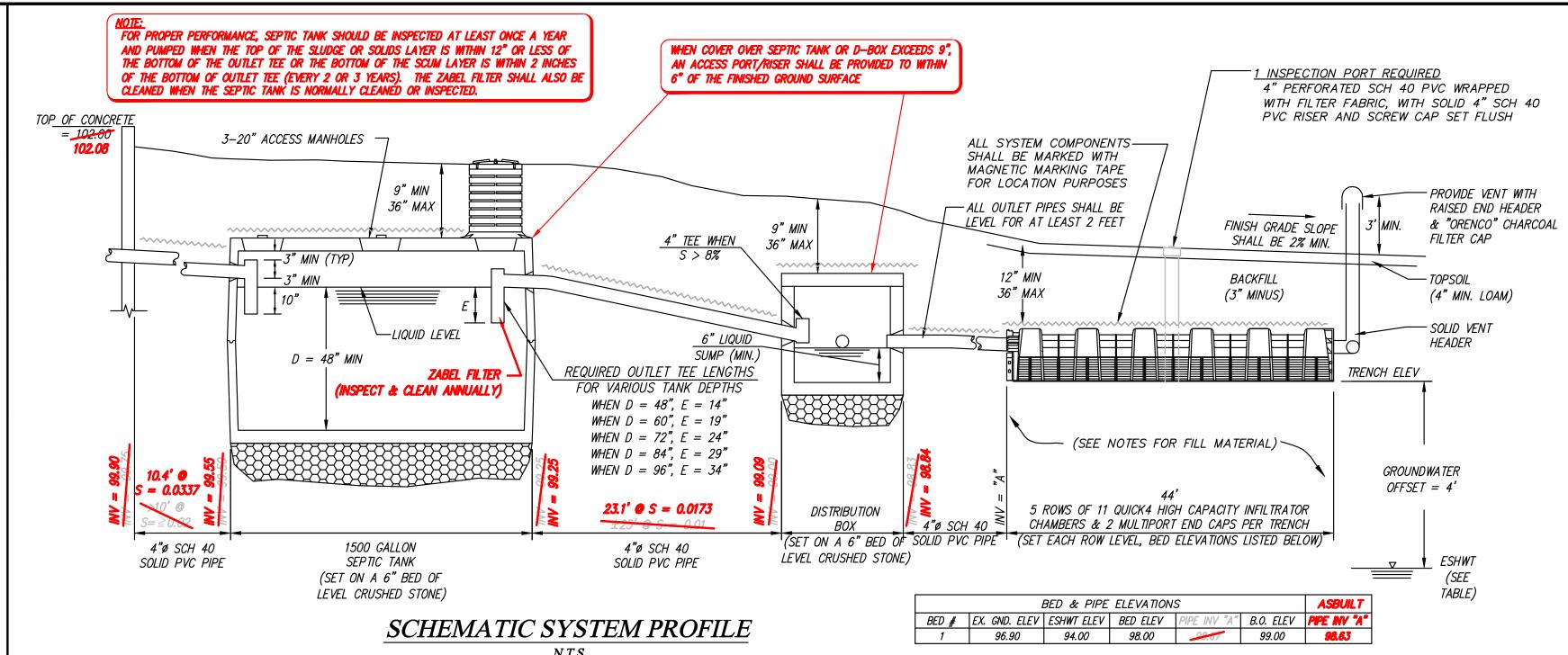
the Registry of Deeds or the Land Court for t	the district in which the	land is located.
Detach on dotted line and submit to the Con		
То:		
Leicester		
Conservation Commission		
Please be advised that the Certificate of Cor	mpliance for the project	t at·
208 Rawson Street	inplication for the project	. at.
Assessors Map 26C, Parcel B3.0	197-0664	
Project Location	DEP File Numbe	r
Use have seen and all the Basistan of Basis		
Has been recorded at the Registry of Deeds	Of:	
Worcester		
County		
for:		
Gordon Olin		
Property Owner		
and has been noted in the chain of title of the	e affected property on:	
Date	Book	Page
If recorded land, the instrument number which	ch identifies this transa	ction is:
If registered land, the document number whi	ch identifies this transa	action is:
Document Number		
Signature of Applicant		





5) ALL DESIGN ENGINEER INSPECTIONS PERFORMED BY BRIAN MACEWEN, PLS, BSCE.

SCALE: 1" = 20'



GENERAL NOTES

1. ALL CONSTRUCTION TO CONFORM TO TITLE 5 OF THE MASSACHUSETTS STATE ENVIRONMENTAL CODE (310 CMR 15.00) AND THE BOARD OF HEALTH REQUIREMENTS FOR THE COMMUNITY OF LEICESTER, MASSACHUSETTS.

2. ALL TOPSOIL AND DELETERIOUS MATERIAL, IF ANY, MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING AREA TO A DISTANCE OF 5 FEET FROM ALL OF THE SIDES OF THE LEACH AREA. ANY FILL USED BELOW THE LEACHING AREA WITHIN THE LIMITS OF EXCAVATION SHALL COMPLY WITH 310 CMR 15.255(3). ANY SUCH FILL SHALL BE INSTALLED IN CONFORMANCE WITH 310 CMR 15.255(6) IN 6-INCH LIFTS.

3. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO THE SYSTEM DESIGNER AND LOCAL BOARD OF HEALTH PRIOR TO CONTINUATION OF CONSTRUCTION.

4. THE S.A.S SHALL NOT BE CONSTRUCTED UNTIL THE LIMIT OF EXCAVATION HAS BEEN INSPECTED BY THE SYSTEM DESIGNER. THE S.A.S. AND ITS COMPONENTS SHALL NOT BE BACKFILLED UNTIL ALL REQUIRED INSPECTIONS HAVE BEEN PERFORMED BY THE SYSTEM DESIGNER AND A FINAL INSPECTION HAS BEEN CONDUCTED BY THE LOCAL APPROVING AUTHORITY AND PERMISSION, BY THAT AGENT AND THE SYSTEM DESIGNER, HAS BEEN GRANTED TO BACKFILL. BACKFILL MUST BE CLEAN AND FREE OF STONES GREATER THAN 6 INCHES IN SIZE.

5. THE S.A.S AND ITS COMPONENTS SHALL BE STAKED AND FLAGGED BY THE SYSTEM INSTALLER IN COMPLIANCE WITH 310 CMR 15.246, TO PREVENT VEHICULAR TRAFFIC AND PARKING OF VEHICLES OR EQUIPMENT IN OR ON THE AREA OF THE S.A.S. AND ITS COMPONENTS. SUCH FLAGGING IS NOT TO PRECLUDE FINAL GRADING AND LANDSCAPING OF THE AREA. STOCKPILING OF MATERIALS OR EQUIPMENT WITHIN THE AREA IS PROHIBITED.

6. THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL.

. THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED AS REQUIRED PURSUANT TO 310 CMR 15.351. TYPICALLY THE SYSTEM SHOULD BE INSPECTED ANNUALLY AND MAY REQUIRE PUMPING EVERY 3 YEARS OR MORE OFTEN.

8. UNDERGROUND UTILITIES DATA INDICATED ON THE PLAN IS PLOTTED FROM VISIBLE FIELD LOCATION AND AVAILABLE RECORDS. THE LOCATIONS ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED BY THE APPROPRIATE UTILITY

9. NO PROPERTY SURVEY WAS MADE AS PART OF THIS PLAN. OFFSETS ARE NOT TO BE USED FOR REPRODUCTIONS OF PROPERTY LINES. LOT DIMENSIONS WERE TAKEN FROM THE OTHERS. CONFIRMING HOUSE LOCATION AND SOME TOPOGRAPHY WERE CONDUCTED BY PURCELL ASSOCIATES.

10. THE PROPOSED CONSTRUCTION IS SUBJECT TO THE MASSACHUSETTS WETLANDS PROTECTION ACT ADMINISTERED BY THE LEICESTER CONSERVATION COMMISSION AND THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL

11. OTHER THAN AS SHOWN, NO KNOWN WELLS OR PUBLIC WATER SUPPLIES EXIST WITHIN 150' OF THE PROPOSED CONSTRUCTION.

12. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE.

13. DISTRIBUTION BOXES BURIED GREATER THAN 9 INCHES BELOW GRADE SHALL BE FILLED WITH PROPER RISERS & LID TO WITHIN 6 INCHES OF FINISH GRADE

ADDITIONAL SEPTIC SYSTEM NOTES

1) THIS SEPTIC SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE

2) CONSTRUCTION OF PERMANENT STRUCTURES UPON THE DISPOSAL SYSTEM IS PROHIBITED.

3) ALL INTERIOR PLUMBING, WITH THE EXCEPTION OF THE BACK WASH FROM WATER FILTRATION SYSTEMS, SHALL BE CONNECTED TO THE PROPOSED DISPOSAL FACILITY.

DESIGN CRITERIA

ESTIMATED HYDRAULIC LOADING 3 BEDROOMS AT 110 GALS/DAY/BEDROOM = 330 GPD GARBAGE DISPOSAL SHALL NOT BE ALLOWED WITH THIS SYSTEM.

LEACHING AREA DESIGN CRITERIA: PERCOLATION RATE: 30 MPI

SOIL CLASS TYPE: CLASS II (SANDY LOAM) ALLOWABLE LOADING RATE: 0.33 GPD/SF (SIEVE ANALYSIS)

REQUIRED LEACHING AREA: 330 GPD / 0.33 GPD/SF = 1,650 SF LEACHING AREA PROVIDED: 55 QUICK-4 CHAMBERS $55 \times 4 \times 4.72 = 1038.4$ (EFFECTIVE)

 $15' \times 44' = 660 (ACTUAL)$ LEACHING CAPACITY PROVIDED: 1038 SQ.FT. x 0.33 GPD/SQ.FT. = 342.6 GPD REQUIRED = 330 GPD PROVIDED = 342 GPD

SEPTIC TANK SIZE: 1500 GALLONS, ZABEL OUTLET FILTER AND PROPER RISER, LID AND LABEL TO FINISH GRADE SHALL BE INSTALLED ON THE SEPTIC TANK.

ALL SOIL ABSORBTION SYSTEMS SHALL BE FITTED WITH A MINIMUM OF 1 INSPECTION PORT CONSISTING OF A PERFORATED 4—INCH PIPE PLACED VERTICALLY DOWN INTO THE NATURALLY OCCURING SOIL OR SAND FILL BELOW THE SYSTEM. THE PIPE SHALL BE CAPPED WITH A SCREW-TYPE CAP AND BE LOCAL UPGRADE APPROVAL 310CMR 15.4.05(1)(h) SAS 3' TO GROUNDWATER ACCESSIBLE TO WITHIN 3 INCHES OF THE GRADE AND MARKED WITH MAGNETIC TAPE.

LOCAL UPGRADE APPROVAL REQUEST:

1) 310CMR 15.405(1)(g) - 80' TO OWN WELL

2) 310CMR 15.405(1)(j) - SIEVE ANALYSIS IN LIEU OF PERCOLATION TEST

OFFSET DATA



PERC TEST DATA

PERFORMED BY T. PURCELL WITNESSED BY PHIL LEGER DATE 5-4-18

RATE SIEVE ANALYSISi DESIGN RATE 30 mpi

DEEP TEST PIT DATA **BENCH MARK ELEVATION 100.00**

PIT#1 (EL = 96.00) PIT#2 (EL=94.00) 0-18"A+O(SL)10YR3/2 0-12"FILL 18-24"Bw(SL)10YR5/6 12-18"A(SL)10YR3/2

24-108"C(SL)2.5Y5/3 18-36"Bw(SL)10YR5/6 36-84"C(SL)2.5Y5/3 MOTTLES @ 24" MOTTLES @ 36"

>108" REFUSAL 30" GW OBS 24" GW ADJ PERFORMED BY T. PURCELL WITNESSED BY PHIL LEGER

DEP FILE NO. 197-0664

GENERAL PROPERTY DATA

ASSESSORS PARCEL NO.: MAP 26C, LOT B3.0

LOT ADDRESS:

LOT SIZE:

208 RAWSON STREET

OWNER OF RECORD: GORDON OLIN

BOOK 65602, PAGE 319 LOCUS DEED:

PLAN REFERENCE: SEE PLAN BOOK 581, PLAN 119

±6.22 ACRES

LEGEND

ASBUILT CONTOUR

EXISTING CONTOUR

PROPOSED SPOT ELEVATION PERCOLATION TEST △PT-99-7

DEEP HOLE TEST PIT

REV. DATE DESCRIPTION JOB NUMBER. SURVEY DATE: FIELD BOOK NO. OCT - NOV. 2021 **PAGES** COMPUTED: CHECKED: DRAFTED: BCM & PFG PLAN DATE: SCALE: SHEET 1 OF 1 AS NOTED DECMEBER 20, 2021

ASBUILT SEPTIC & CONSERVATION C.O.C. PLAN

208 RAWSON STREET LEICESTER, MASSACHUSETTS

PROPERTY OWNER

GORDON OLIN PREPARED FOR

GORDON OLIN (GCO CONSTRUCTION) 13 BUTTERNUT LANE RINDGE, NH 03461

323 West Lake Road, Fitzwilliam, NH 03447 (603) 585-6959