MEMORANDUM

FORMAL ACTIONS & RECOMMENDATIONS ★ \ MEETING OF 07-22-21

To: Conservation Commission/Inland Wetlands and Watercourses Agency

From: Tom Mocko, Environmental Planner

Re: Application of Carrier Construction, LLC (c/o Gino Carrier, President) for: an inland wetlands and watercourses permit; and a recommendation to the Town Plan & Zoning Commission concerning final subdivision approval – proposed 7-lot Subdivision of 1040 Main Street – 7 frontage lots and some 650 feet of road construction on 9.3 acres – Residence AA Zone and Groundwater Protection (overlay) Zone 1 – Alter & Pearson, LLC – Davison Environmental, Soil and Wetland Scientist and Wildlife Biologist – Wolff Engineering, C.E. – GEI Consultants, Inc.

LOCATION: Please see the location map provided on the cover sheet of the site plans within your packet.

UPDATE: Please refer to the previous staff memorandum distributed for the June 24, 2021 meeting in which this item was postponed.

Additional soils sampling and testing occurred to determine if the residual lead has any mobility concerns as questioned by Vice Chairman Temple. The results follow this memorandum and present no concerns when the excavated soils are used as clean fill elsewhere.

The project's nitrogen loading calculations were submitted and reviewed by staff. They are found to be acceptable and are below the regulatory threshold of 10mg/L or ppm; the nitrogen loading concentration was computed to be 4.1mg/L or ppm.

The most recent draft motions also follow this memorandum.

TM:gfm

REVISED DRAFT MOTION FOR A WETLANDS PERMIT 07/16/21

MOVE, that the Inland Wetlands and Watercourses Agency issues an inland wetlands and watercourses permit to Carrier Construction, LLC for culvert replacement between two wetland areas, a stormwater management structure within the upland review area and its subsequent discharges into the wetlands, and portions of road construction and house lot development within the upland review area for the proposed 7-lot subdivision at 1040 Main Street, in accordance with plans on file in the Office of Community Development, and in compliance with the following conditions:

- 1. Adherence to the Town Engineer's memorandum, dated June 15, 2021.
- 2. The optimal seeding dates (from whenever the snow melts until May 15) and optimal seeding depth (between 1 to 1.5 inches) shall be added to the subdivision site plans where the warm season grass mix appears within the submitted plans.
- 3. The subdivision's site plans shall be revised prior to any filing on the land records to indicate and require three-foot deep catch basin sumps in order to provide enhanced sediment removal.
- 4. A private conservation easement shall be established as generally depicted on the site plans and this area shall henceforth not be disturbed from its present condition until the conservation easement is in force. The precise delineation shall be recorded by bearings and distances. The easement shall be recorded on the land records. The conservation easement shall be marked with oak stakes labeled "Conservation Easement" with waterproof ink and tied with red flags. These stakes are to be located at each change of boundary direction and at every 100 foot interval on straightaways. All conservation easement corners shall be permanently marked with iron pins. In addition, numbered "Glastonbury Conservation Easement' signs, available from the Town's Office of Community Development, shall be nailed to trees that are within two feet of the easement area's boundary line, at approximately 100 feet intervals. The sign shall be installed facing outwards at about 7 feet above grade, using two 3 inch or greater aluminum or galvanized nails, with the nails left protruding from tree trunks about 1-1/2". Where no trees are suitable 7 foot metal or long-lived wood posts with easement signs attached shall be used. Such placement of signs shall be performed under the supervision of a Licensed Land Surveyor prior to land-clearing or earth-moving activities and notice shall be provided to the Town's Office of Community Development upon its completion.
- 5. In order to protect the physical, chemical and biological characteristics of the wetlands and watercourses and water quality, the following conditions shall apply:
 - a. Pesticides and herbicides shall not be disposed of within the designated conservation easement areas;

- b. Pesticides and herbicides shall only be applied utilizing best management practices for integrated pest management; and
- c. The developer agrees to recite these conditions in the deed to the individual property(ies).
- 6. Healthy mature trees shall be preserved and saved when possible. Said trees shall be protected with the use of high visibility construction fence during construction or otherwise protected as required by staff.
- 7. Installation of soil erosion and sedimentation control and stabilization measures shall be the Permittee's responsibility. Once installed these measures shall then be inspected by the Environmental Planner prior to land disturbance activities. Afterwards it then shall be the Permittee's responsibility to inspect these control measures during, and immediately following, substantial storm events and maintain and/or replace the control measures, when needed, on a regular basis until the site is vegetatively stabilized. Hay bales shall be replaced every 60 days. The Environmental Planner is hereby authorized to require additional soil erosion and sediment controls and stabilization measures to address situations that arise on the site.
- 8. Except for the construction activities of the detention ponds and storm drainage system, earthen material shall not be stockpiled in regulated areas. Stockpiles shall be mulched, temporarily seeded or otherwise protected.
- 9. Plot plans developed for building permits shall not exceed encroachment into the regulated areas beyond that indicated on the previously cited plans.
- 10. The Permittee shall be fully responsible for damages caused by all activities undertaken pursuant to this permit that may have a detrimental effect on wetlands and/or watercourses, and all such activities that cause erosion and sedimentation problems. If the Permittee sells individual building lots to other builders, the Permittee shall thoroughly review all conditions of this permit with the buyer, and the buyer shall consult with the Environmental Planner before the buyer commences any work on the site.
- 11. Prior to the issuance of a Certificate of Occupancy, certification from a professional engineer shall be required confirming that the stormwater management system was constructed in conformance with the approved design.

----- Forwarded message ------

From: Brink, Doug < cbrink@geiconsultants.com >

Date: Tue, Jul 13, 2021 at 4:46 PM Subject: SPLP Testing Results

To: Meghan Hope < mhope@alterpearson.com >

Cc: Gino Carrier < ginoc@bycarrier.com >

Good afternoon Meghan,

Attached are the soil results from the composite sampling that was conducted on the 1040 Main Street parcel by GEI on July 8, 2021.

Sampling was overseen by myself and Emily Perko a GEI Project Scientist. Carrier Construction provided the excavator and operator to conduct the advancement of the test pits.

As provided on the attached figure, a total of five test pits, two within the sand hill and three within the proposed detention pond, were advanced under the direction of GEI. Discrete soil samples were collected within each of the test pits at the depth intervals of 0-1', 5' and 10'. The discrete soil samples from each test pit were then composited into one soil sample that represented the soil within the test pit (for a total of five soil samples). The soil samples were submitted to Phoenix Environmental laboratory for the analysis of leachable lead via the synthetic precipitation leaching procedure (SPLP).

Analytical results from the sampling conducted did not detect the presence of SPLP lead in four of the five samples. SPLP lead was detected at a concentration of 0.011 mg/L within the sample collected from TP-3, which is below the GA pollutant mobility criteria of 0.015 mg/L. The surficial soils at test pit TP-3 contained some minor debris believed to be associated with the former roadway.

Please let me know if you have any questions or comments.

Thank you

Charles D. Brink, LEP Senior Project Manager



GEI Consultants, Inc.

455 Winding Brook Drive, Suite 201 | Glastonbury, CT 06033

T: 860.368.5410 | M: 860.918.2654

www.geiconsultants.com | vCard | map | LinkedIn | Twitter | Facebook

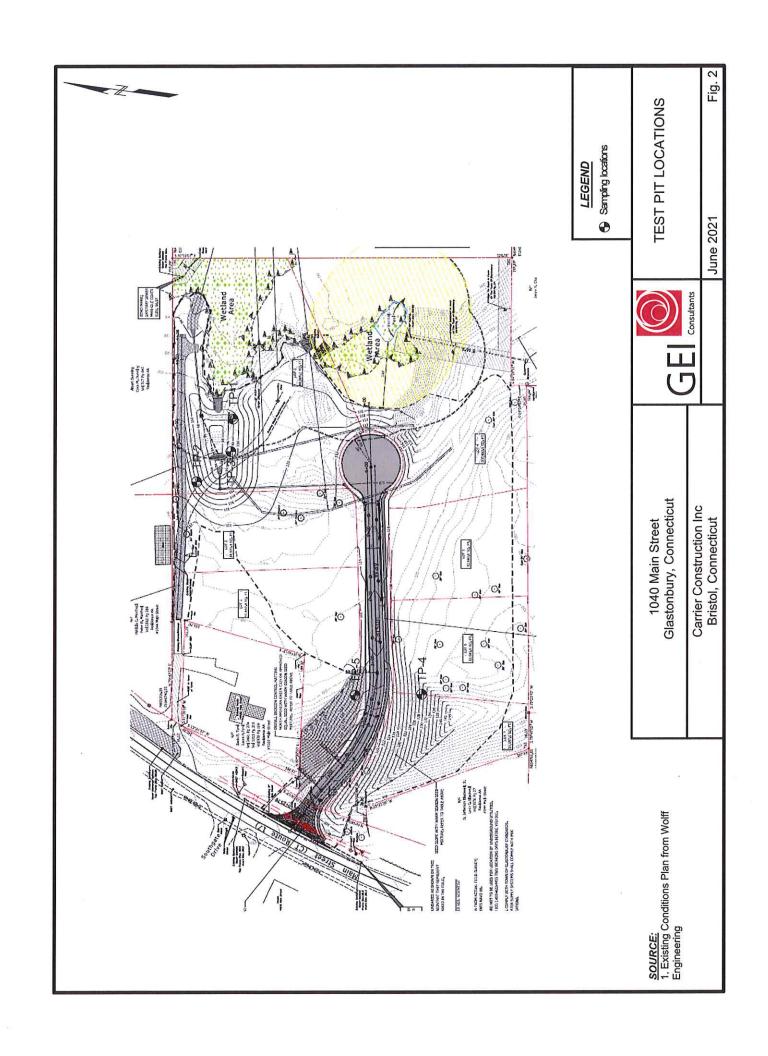


Table 1. Summary of Soil Analytical Results

TP-3 TP-4 TP-5	7/8/2021		0.011 <0.01	
TP-2			<0.01	
TP-1	7/8/2021		< 0.01	
Sample ID	Sample Date 7	GA PMC	0.015	
38		Units	mg/L	

Notes: GA PMC - Pollutant Mobility Criteria for a GA Classified Groundwater Area

ug/L - micrograms per Liter



Tuesday, July 13, 2021

Attn: Doug Brink GEI Consultants 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033

Project ID:

1040 MAIN ST-GLASTONBURY

SDG ID:

GCI69836

Sample ID#s: CI69836 - CI69840

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007 VT Lab Registration #VT11301



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

July 13, 2021

SDG I.D.: GCI69836

Project ID:

1040 MAIN ST-GLASTONBURY

Client Id	Lab Id	Matrix	
TP 1 COMPOSITE	CI69836	SOIL	
TP 2 COMPOSITE	CI69837	SOIL	
TP 3 COMPOSITE	CI69838	SOIL	
TP 4 COMPOSITE	CI69839	SOIL	
TP 5 COMPOSITE	CI69840	SOIL	



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 13, 2021

FOR:

Attn: Doug Brink

GEI Consultants

455 Winding Brook Drive

Suite 201

Glastonbury, CT 06033

Sample Information

SOIL

Custody Information

<u>Date</u> <u>T</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

500 400 07/08/21 8:45

Location Code:

GEI

Received by: Analyzed by: SW see "By" below 11:48

Rush Request: P.O.#:

Standard 219248

Laboratory Data

SDG ID: GCI69836

Phoenix ID: Cl69836

07/08/21

Project ID:

1040 MAIN ST-GLASTONBURY

Client ID:

TP 1 COMPOSITE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference	(*)
SPLP Lead SPLP Metals Digestion	< 0.010 Completed	0.010	mg/L	1	07/10/21 07/09/21	CPP AB/AB	SW6010D SW3010A	1.60
SPLP Extraction for Metals	Completed				07/08/21	АВ	SW1312	

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 13, 2021



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Analysis Report

July 13, 2021

FOR:

Attn: Doug Brink

GEI Consultants

455 Winding Brook Drive

Suite 201

Glastonbury, CT 06033

Sample Information

Custody Information

Date

Time

Matrix:

SOIL

Collected by:

07/08/21

9:00

Location Code:

GEI

Received by:

SW

07/08/21

11:48

Rush Request:

Analyzed by:

see "By" below

SDG ID: GCI69836

P.O.#:

Standard 219248

Laboratory Data

Phoenix ID: CI69837

Project ID:

1040 MAIN ST-GLASTONBURY

Client ID:

TP 2 COMPOSITE

RL/

PQL

Dilution

Date/Time

Reference

SPLP Lead

Parameter

07/10/21

SW6010D

SPLP Metals Digestion

< 0.010 Completed 0.010

mg/L

Units

07/09/21

AB/AB SW3010A

SPLP Extraction for Metals

Completed

Result

07/08/21

AB SW1312

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 13, 2021



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Analysis Report

July 13, 2021

FOR:

Attn: Doug Brink

GEI Consultants

455 Winding Brook Drive

Suite 201

Glastonbury, CT 06033

Sample Information

Custody Information

Date

Time

Matrix:

SOIL

Collected by:

07/08/21

9:20

Location Code:

GEI

Received by:

07/08/21

11:48

Rush Request:

Standard

Analyzed by:

see "By" below

SDG ID: GCI69836

P.O.#:

219248

Laboratory Data

Phoenix ID: CI69838

Project ID:

1040 MAIN ST-GLASTONBURY

Client ID:

TP 3 COMPOSITE

RL/

PQL

Units

Dilution

Date/Time 07/10/21

Reference

SW6010D

SPLP Lead

Parameter

0.011

0.010

mg/L

SPLP Metals Digestion

Completed

Result

07/09/21

AB/AB SW3010A

SPLP Extraction for Metals

Completed

07/08/21

SW1312 AB

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 13, 2021



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Analysis Report

July 13, 2021

FOR:

Attn: Doug Brink

GEI Consultants

455 Winding Brook Drive

Suite 201

Glastonbury, CT 06033

Sample Information

SOIL

Custody Information

Date

07/08/21

Time

Matrix:

P.O.#:

Collected by:

07/08/21

10:00

Location Code:

GEI

Received by:

11:48

Rush Request:

Standard

Analyzed by: see "By" below

SDG ID: GCI69836

219248

Laboratory Data

Phoenix ID: CI69839

Project ID:

1040 MAIN ST-GLASTONBURY

Client ID:

TP 4 COMPOSITE

RL/

PQL

Units Dilution Date/Time

By

Reference SW6010D

SPLP Lead SPLP Metals Digestion

Parameter

0.010

mg/L

07/10/21 07/09/21

CPP AB/AB SW3010A

SPLP Extraction for Metals

Completed Completed

Result

< 0.010

07/08/21

SW1312

AB

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 13, 2021



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 13, 2021

FOR:

Attn: Doug Brink

GEI Consultants

455 Winding Brook Drive

Suite 201

Glastonbury, CT 06033

Sample Information

SOIL

Custody Information

Date

Time

Matrix:

Collected by:

07/08/21

9:40

Location Code:

GEI

Received by:

07/08/21

11:48

Rush Request:

Analyzed by:

see "By" below

P.O.#:

Standard 219248

.aboratory Data

SDG ID: GCI69836

Phoenix ID: Cl69840

Project ID:

1040 MAIN ST-GLASTONBURY

Client ID:

TP 5 COMPOSITE

RL/ PQL

Units Dilution Date/Time

By

Reference

Parameter SPLP Lead

Result

0.010

mg/L

07/10/21

CPP SW6010D

SPLP Metals Digestion

Completed

07/09/21

AB/AB SW3010A

SPLP Extraction for Metals

Completed

< 0.010

07/08/21

SW1312 AB

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

July 13, 2021



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 13, 2021

QA/QC Data

SDG I.D.: GCI69836

												%	%
		Blk	Sample	Dup	Dup	LCS	LCSD	LCS	MS	MSD	MS	Rec	RPD
Parameter	Blank	RL	Result	Result	RPD	%	%	RPD	%	%	RPD	Limits	Limits

QA/QC Batch 582885 (mg/L), QC Sample No: CI62804 (CI69836, CI69837, CI69838, CI69839, CI69840)

ICP Metals - SPLP Extraction

Lead

BRL 0.010 <0.010 <0.010

80 - 120

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

July 13, 2021

Tuesday, July 13, 2021

Criteria: CT: GAM, RC

State: CT

SampNo

Acode

Phoenix Analyte

Criteria

Sample Criteria Exceedances Report GC169836 - GEI Result

R

Criteria

Analysis Units

RL Criteria

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. Client: GEI Consultants

Project Location: 1040 MAIN ST-GLASTONBURY Project Number:

Laboratory Sample ID(s): CI69836-CI69840 Sampling Date(s): 7/8/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes □ No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes □ No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	□ Yes □ No ✓ NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	✓ Yes □ No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	✓ Yes □ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	✓ Yes □ No
	b) have more reporting amount	✓ Yes □ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes 🗹 No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalt knowledge and belief and based upon my personal ir information contained in this analytical report, such	iquiry of t	hose responsible for providing the
Authorized Signature: Roshuii Wakol	Position:	Project Manager
Printed Name: Rashmi Makol	Date:	Tuesday, July 13, 2021
Name of Laboratory Phoenix Environmental Labs, Inc.		

This certification form is to be used for RCP methods only.

CTDEP RCP Laboratory Analysis QA/QC Certification Form - November 2007 Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocols



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 13, 2021

SDG I.D.: GCI69836

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Lead is reported as requested on the chain of custody.

Temperature above 6C:

The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

BLUE 07/10/21 08:24

Cindy Pearce, Chemist 07/10/21

CI69836, CI69837, CI69838, CI69839, CI69840

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria. The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 582885 (CI62804)

CI69836, CI69837, CI69838, CI69839, CI69840

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Temperature Narration

The samples were received at 6.3C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

estregiondalalge, and Ilmh. COFF PEL-126 REV. 06/20 Equiside, equil Tier II Checklist

Tell Data Package*

Phoenix Std Report * SURCHARGE APPLIES This section MUST be □□ 2 2 completed with Bottle Quantities. Data Delivery/Contact Options: Data Package Project P.O. 7 10/1249 Data Format Cooler. Temp (0.2%C S-1 GW-1 S-1 GW-2 S-1 GW-3 S-2 GW-1 S-2 GW-2 S-2 GW-3 S-3 GW-1 S-3 GW-2 S-3 GW-3 S-1 10% CALC ☐ MWRA eSMART Coolant: Phone: State where samples were collected: Email: MCP Certification Fax: SW Protection - しなららいい GW-1 **GW-2** GW-3 Residential DEC 587 East Middle Tumpike, P.O. Box 370, Manchester, CT 06040 SW Protection ☐ GW Protection **GA Mobility GB** Mobility Pay aple Fax (860) 645-0823 RCP Cert I/C DEC 1040 Han St Other **CHAIN OF CUSTODY RECORD** Very Brink Client Services (860) 645-8726 X X (Residential) Direct Exposure (Comm/Industrial) GA Leachability GB Leachability Direct Exposure Objectives Objectives GA-GW GB-GW Email: info@phoenixlabs.com Invoice to: Report to: 짒 QUOTE # Project: Analysis Request 1148 * SURCHARGE APPLIES ドス Time: Turnaround Time: 4:20 X X 1 Day*
2 Days*
3 Days*
X Standard Other 12/8/ 20 9:40 8:45 00:6 78/21 00:01 12/8/L Sampled Time DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Soild W=Wipe OIL=Oil B=Bulk L=Liquid X = _____(Other) Date: 1/8/1 17/2/21 11/8/1 Sampled 1/8/1 Date MSASD are considered are samples and will be billed as such in accordance. with the prices quoted. Date: Chrinkege, consultario, com Client Sample - Information - Identification Sample Matrix Environmental Laboratories, Inc. 3E1 Condtob Special Requirements or Regulations: Accepted by: Composite TP3 Carps R TP4 Composite TPS Composite Lombos YK 455 Winding Mary Cons Customer Sample Identification 3 9 6 <u>C1</u> PHOENIX USE ONLY 98 369 12 Relinquished by: Customer: Address: 12 869 0289 85.869 69839 Signature

RONALD WOLFF DESIGN	Page	of(_		
COMPUTATION SHEET	Made by	RPW	Date	14.21
Subject _ 1040 MAIN ST GLASIONBURY	Checked by _	· .	Date	
MITPOBEN LOADING CALCULATIONS			-	
SITE APEA = 406 987 SF				
IMPERIVIOUS SUPFACES:	:	······································		· :
Poots :	70 7100	÷ 1470	n SF	
	15200 SF		<u> </u>	
LAWN APERS: 17 C 21800.				
NATURAL AREAS: 406787-14			57 SF	
	1 1			
IMPERVIOUS SVAFACES!				T. N.
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NATURAL: 377 087 SFX (46 IN 74 12 IN/FT)	[28,32 L] 1	YL X	0:25 = 28	<u> ე</u> თა <u> </u>
1214/51/	F73 JL3	65 DAYS		DAY
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4.12 MG / 5.0) Mb Fol	(W-) 7	ONE =7 1	or l
	L		*	
			1	

REVISED DRAFT MOTION FOR A SUBDIVISION APPROVAL RECOMMENDATION TO THE TOWN PLAN & ZONING COMMISSION

MOVED, that the Conservation Commission recommends to the Town Plan & Zoning Commission subdivision approval of Carrier Construction, LLC's proposed 7-lot subdivision of 1040 Main Street, in accordance with plans on file in the Office of Community Development, and in compliance with the following conditions:

- 1. Adherence to the Town Engineer's memorandum, dated June 15, 2021.
- 2. The optimal seeding dates (from whenever the snow melts until May 15) and optimal seeding depth (between 1 to 1.5 inches) shall be added to the subdivision site plans where the warm season grass mix appears within the submitted plans.
- 3. The subdivision's site plans shall be revised prior to any filing on the land records to indicate and require three-foot deep catch basin sumps in order to provide enhanced sediment removal.
- 4. A private conservation easement shall be established as generally depicted on the site plans and this area shall henceforth not be disturbed from its present condition until the conservation easement is in force. The precise delineation shall be recorded by bearings and distances. The easement shall be recorded on the land records. The conservation easement shall be marked with oak stakes labeled "Conservation Easement" with waterproof ink and tied with red flags. These stakes are to be located at each change of boundary direction and at every 100 foot interval on straightaways. All conservation easement corners shall be permanently marked with iron pins. In addition, numbered "Glastonbury Conservation Easement" signs, available from the Town's Office of Community Development, shall be nailed to trees that are within two feet of the easement area's boundary line, at approximately 100 feet intervals. The sign shall be installed facing outwards at about 7 feet above grade, using two 3 inch or greater aluminum or galvanized nails, with the nails left protruding from tree trunks about 1-1/2". Where no trees are suitable 7 foot metal or long-lived wood posts with easement signs attached shall be used. Such placement of signs shall be performed under the supervision of a Licensed Land Surveyor prior to land-clearing or earth-moving activities and notice shall be provided to the Town's Office of Community Development upon its completion.
- 5. In order to protect the physical, chemical and biological characteristics of the wetlands and watercourses and water quality, the following conditions shall apply:
 - a. Pesticides and herbicides shall not be disposed of within the designated conservation easement areas;

- b. Pesticides and herbicides shall only be applied utilizing best management practices for integrated pest management; and
- c. The developer agrees to recite these conditions in the deed to the individual property(ies).
- 6. Healthy mature trees shall be preserved and saved when possible. Said trees shall be protected with the use of high visibility construction fence during construction or otherwise protected as required by staff.
- 7. Installation of soil erosion and sedimentation control and stabilization measures shall be the Permittee's responsibility. Once installed these measures shall then be inspected by the Environmental Planner prior to land disturbance activities. Afterwards it then shall be the Permittee's responsibility to inspect these control measures during, and immediately following, substantial storm events and maintain and/or replace the control measures, when needed, on a regular basis until the site is vegetatively stabilized. Hay bales shall be replaced every 60 days. The Environmental Planner is hereby authorized to require additional soil erosion and sediment controls and stabilization measures to address situations that arise on the site.
- 8. Tree stumps and blasted rock material shall not be buried at the site.
- 9. The plot plan required for building permit application shall contain and comply with these conditions of approval. If construction including limits of clearing is proposed in areas other than the indicated locations on these plans, the Office of Community Development shall be notified and the Office of Community Development and the Chairman of the Town Plan and Zoning Commission are hereby authorized to approve or deny the alternative. Each plot plan shall indicate the limits of vegetative clearing, existing and proposed contours, soil erosion and sediment controls, all subsurface drainage, all stockpile areas, and temporary and permanent vegetative stabilization measures, including details of seedbed preparation, seed mix selection, application rates, seeding dates and mulching requirements. Vegetative clearing for stockpiling shall be minimized and subject to the approval of the Environmental Planner.
- 10. Metal waste containers shall be provided at the site to facilitate the collection of refuse material generated from construction activities. Such material shall not be buried or burned at the site.
- 11. Underground fuel storage tanks shall be prohibited to reduce the potential of contamination to wetlands, watercourses, and groundwater resources.
- 12. Prior to the issuance of a Certificate of Occupancy, certification from a professional engineer shall be required confirming that the stormwater management system was constructed in conformance with the approved design.
