

March 15, 2022

**Town of Montville, CT** Office of the Planning Director 310 Norwich-New London Turnpike Uncasville, CT 06382

Attn: Liz Burdick

## RE: Village Apartments, LLC 82 Jerome Road, 15 Jerome Ave, and 232 Norwich-New London Turnpike (CT Route 32) PZ#22SITE1 Site Plan application

Dear Ms. Burdick:

Loureiro Engineering Associates, Inc. (LEA) is in receipt of the review comments prepared by CLA Engineers, Inc. to you, dated February 4, 2022 regarding the Site Plan application for 82 Jerome Road, 15 Jerome Ave, and 232 Route 32.

Below please find our responses which correspond numerically to the original review comment:

- 1. The parking lot is a private parking lot for the residents, not for transient parking. It is understood that the residents will be familiar with the property and the parking layout and signage delineating parking areas will not be necessary.
- 2. Walkways are provided along the main access drives and in the front of each building where the pedestrian volume will be the greatest. Walkways are not provided at each parking area as this is a private residential development with limited traffic volume.
- 3. The proposed walk in the northeast corner of the development has been extended through the easement and out to Route 32.
- 4. All accessible ramps are shown as concrete and callouts have been added.
- 5. Accessible ramp details have been revised and are consistent with current CT DOT details.
- 6. A new sidewalk has been added at north and south ends of Building A from the end of steps to the proposed walk at the drive.
- 7. The concrete walks and bituminous walks have been clearly defined on the revised plans.
- 8. The sidewalk from Building B to the dumpsters has been extended to the dumpster.
- 9. The proposed underdrain cleanout has been relocated outside the dumpster pad.
- 10. Concrete pad dimensions are 19'x38' and the dumpster enclosure dimensions are 10'x36'. A 3' return is proposed on the gate opening, reducing the opening to 30'. Therefore, each



gate swing is 15'. The gate swing has been added to the plan which shows vehicles can pass when open. A gate swing has also been added to the dumpster enclosure near Building C.

- 11. Additional Top-of-Wall (TOW) and Bottom-of-Wall (BOW) elevations have been added to each retaining wall on the Grading and Drainage Plan.
- 12. Block building and water line to be removed have been added to the Demolition Plan. Site Note #21 has been added that states wells must be removed or properly abandoned by a licensed well driller.
- 13. Hydrant north of Building 2 is to be removed and is shown on the Demolition Plan. A new hydrant and associated callout is shown on the Site Layout and Utilities Plan to the east of Building 2 and south of Building C to provide better access to the two buildings.
- 14. A net export of approximately 10,100 CY is expected with the proposed improvements.
- 15. Site Note #20 has been added that states a pre-blast survey shall be performed if blasting is required. The Ledge Elevation Legend on the Erosion & Sediment Control Plan has been revised accordingly.
- 16. The callout for the new proposed sign has been revised accordingly.
- 17. Site lighting is shown on the Site Planting and Lighting Plan. In addition, a Site Photometric Plan has been prepared and is included in the revised plan set.
- 18. Selective spot elevations have been added in the parking lot where appropriate. In addition, the 82 contour has been added around CB1.
- 19. A stop sign and stop bar has been added to the parking lot north of Building 1 and west of Building 2.
- 20. A note has been added to the Site Planting and Lighting Plan in the area of the ledge cut that states the planting locations need to be adjusted in the field relative to the ledge cut.
- 21. A bituminous concrete sidewalk and a concrete sidewalk detail are shown on the Details sheet.
- 22. Test Holes 4 and 5 were completed by Welti Geotechnical, PC on October 26, 2020. The logs for Test Holes 4 and 5 have been added to Sheet 2. A copy of the Geotechnical Report is enclosed herewith.
- 23. The Rip Rap swale detail has been revised accordingly.
- 24. Retaining walls will be constructed of architectural style modular concrete blocks, however, the manufacturer, style, and color has not been selected at this time.
- 25. The low-lying area along Jerome Avenue that extends onto the subject property is being significantly reduced with the proposed improvements which will result in less ponding along Jerome Avenue. In addition, a portion of the curb between proposed CB5 and the edge of Jerome Road has been removed and a pea gravel diaphragm is now proposed to provide an outlet for ponding in this area to travel over the pea gravel diaphragm and into Yard Drain 2.

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- 26. Two additional 5' curb cuts have been added to the east of the existing curb cuts to allow for stormwater runoff to exit the parking lot and flow overland a greater distance before reaching the wetland.
- 27. Figure 4 has been printed in a 24x36 format and included herewith.
- 28. A retaining wall with a fence for fall protection has been added behind Building A to allow for a shallow sloped area between the retaining wall and back of the building. In addition, enclosed herewith is a ladder diagram which shows the area to the rear of Building A provides adequate distance for ladder access to the top floor of the proposed building.
- 29. Pelletier Builders, a wholly-owned subsidiary of Loureiro Engineering Associates, Inc., has provided a Performance Bond Estimate of \$100,000 for the Erosion and Sediment Control Measures for the site.

If you have any questions please do not hesitate to contact us at contact us at (860) 448-0400.

Sincerely,

## LOUREIRO ENGINEERING ASSOCIATES, INC.

Seamus Moran, P.E. Senior Project Manager

Attachments (4)

CC: Harry Heller, Esq. – Heller, Heller & McCoy Tomas Haendler – Silver Heights Development, LLC Louis Tallarini – Real Property Investors, Inc.

# WELTI GEOTECHNICAL, P.C.

227 Williams Street · P.O. Box 397 Glastonbury, CT 06033-0397

(860) 633-4623 / FAX (860) 657-2514

October 26, 2020

Mr. Clinton S. Brown II PE, AICP Loureiro Engineering Associates, Inc. 100 Fort Hill Road Groton, CT 06340

## Re: Geotechnical Study for Proposed Village III Apartments, Village Road, Montville, CT

Dear Clint:

**1.0** Herewith are the boring and test pit data pertaining to the above. Twenty four borings were drilled to auger refusal at depths ranging from 3.5 to 15.5 feet below the existing grades. Nineteen test pits were excavated to depths ranging from 7 to 9 feet below the existing grades. The boring and test pits locations are shown on the attached plan. The proposed building corners and test pit locations were staked in the field by Loureiro Engineering. *The borings were drilled by Clarence Welti Associates, Inc. and sampling was conducted by this firm solely to obtain indications of subsurface conditions as part of a geotechnical exploration program. No services were performed to evaluate subsurface environmental conditions.* 

**1.1 Laboratory Testing:** Grain size gradation tests and water content tests were performed on 12 soil samples taken from the borings and test pits. Permeability tests were performed on 19 soil samples taken from the test pits to evaluate the potential for on site storm water infiltration. The results of the laboratory tests are included in the Appendix.

**2.0** The **Subject Project** will include the construction of three apartment buildings. Each of the building will have 3 stories and a footprint of about 14,000 sf. The site development will include parking areas, an access driveway from Jerome Avenue and storm water management areas. The new development area will connect to the existing Village Apartment Complex, which is accessed from Village Apartment Place off Jerome Road. Based on the preliminary site layout plan dated August 12, 2020 the grading for the buildings will be generally as follows:

1. **Building "A"**: There is about 20 feet of topographic relief across the proposed footprint (Elev.90 to Elev.70). The proposed basement floor level will be at Elev.84.5 and the 1<sup>st</sup> floor at Elev.94.

2. Building "B": There is about 8 feet of topographic relief across the proposed footprint

(Elev.101 to Elev.109). The proposed first/ground floor level will be at Elev.94 and the  $2^{nd}$  floor at Elev.103.5.

3. **Building "C"**: There is about 23 feet of topographic relief across the proposed footprint (Elev.80 to Elev.103). The proposed first/ground floor level will be at Elev.84.5 and the 2<sup>nd</sup> floor at Elev.94.

4. The proposed site grading was not indicated on the preliminary plan

**3.0** The **Geologic Origin** of the natural soils at the subject site is predominately from glacial moraine deposits atop the bedrock. These deposits consist generally of compact sand with little to some silt and gravel, few cobbles and boulders to the top of bedrock. The USGS soils mapping for the area indicates there are terrace deposits in the lower areas of the site. These deposits consist generally of compact sand with trace to little silt, little to some gravel, few cobbles and boulders. The USGS bedrock mapping indicates the bedrock on the site Alaskite Gneiss.

3.1 The Soils Cross Section from the test borings and test pits is generally as follows:

## Apartment Building "A": (see borings A-1 thru A-8)

Topsoil to 3 to 7"

Subsoil; fine to medium SAND, some Silt, little Gravel, few Cobbles; or SILT and fine SAND, trace Roots to 2 to 6 feet, loose to medium compact

Fine to coarse SAND, little to some Gravel, few Cobbles and Boulders, trace to little Silt to auger refusal on possible boulders or bedrock at 3.5 to 15.5 feet (Elev.59 to Elev.83.5 $\pm$ ), dense to very dense

### Apartment Building "B": (see borings B-1 thru B-16)

Topsoil to 2 to 6"

Subsoil; fine to medium SAND, some Silt, little Gravel, few Cobbles, trace Roots; or SILT and fine SAND, trace Roots to 1.5 to 4 feet, loose to medium compact

Fine to coarse SAND, little to some Silt and Gravel, few Cobbles and Boulders to auger refusal on possible boulders or bedrock at 5 to 10 feet (Elev.95 to Elev.101±), dense to very dense

### Apartment Building "C": (see borings C-17 thru C-24)

Topsoil to 3 to 7"

Subsoil or Possible Fill; fine to medium SAND, some Silt, little Gravel, few Cobbles; or SILT, trace to little fine Sand, trace Roots to 2 to 6 feet, loose to medium compact

Fine to coarse SAND, little to some Gravel, few Cobbles and Boulders, trace to little Silt to auger refusal on possible boulders or bedrock at 4.5 to 14 feet (Elev.74 to Elev.93±), dense to very dense

## Test Pits : (TP-1 thru TP-19)

## At south end of site (see test pits TP-1 thru TP-9)

Topsoil to 4 to 6"

Subsoil or Possible Fill; fine SAND and SILT, little Gravel, Cobbles and Roots; or SILT, trace to little fine Sand, trace Roots to 4 to 5 feet

Fine to coarse SAND, some Gravel and Cobbles, trace Silt to 8+ feet

## At middle of site (see test pits TP-10 thru TP-13)

Topsoil to 5 to 8"

Subsoil; fine to medium SAND, some Silt, little Gravel, few Cobbles, trace Roots; or SILT, little to some fine Sand, trace Roots to 1.5 to 3 feet

Fine to coarse SAND, some Gravel, Cobbles and Boulders, trace to little Silt; or SILT, little to some fine Sand, trace Gravel and Roots, few Cobbles and Boulders to 8+ feet

### At west end of site (see test pits TP-14 thru TP-19)

Topsoil to 2 to 6"

At TP-14, TP-15 & TP-18; fine to coarse SAND, little to some Gravel, few Cobbles and Boulder, trace Silt to 8+ feet

### At TP-16 thru TP-17

Fine to coarse SAND, some Silt, little Gravel, few Cobbles and Boulder, trace Roots; or fine to medium SAND and SILT to 4 to 6.5 feet

Fine to coarse SAND, little Silt and Gravel, few Cobbles and Boulders to 7 to 8 feet

### At TP-19

FILL; fine SAND and SILT, trace Roots to 4 feet

Fine SAND and SILT to 8 feet

**3.2** The **Water Table** was not evident above the auger refusal depths at the completion of the borings. The wetlands area at the west side of the site is at about Elev.65.

#### 4.0 The Criteria for Foundation Type and Loading are as follows:

1. The maximum total settlement should not exceed  $\frac{3}{4}$ " and the maximum differential settlement should not exceed  $\frac{1}{2}$  the maximum settlement.

2. The foundation type and structure must address the seismic requirements of the building code.

3. The slab on grade must not settle differentially more than  $\frac{1}{2}$ " in excess of the structure subsidence.

These criteria are those normally applied to structures of similar character. If the structural engineer, the architect, or the owner has other criteria, the writer should be notified for possible supplemental input.

**4.1** Regarding item 2 above, the Seismic Site Soil Profile Classification is "C". The mapped MCE seismic response acceleration values for Montville, CT are  $S_1 = 0.059$  for one second period and  $S_s = 0.165$  for short period. For transfer of ground shear into the soil, the ultimate friction factor between the concrete over crushed stone atop the soil can be 0.55.

**5.0 Regarding Foundation Types,** the logical type will be spread footings. The footings can be on the natural inorganic soils or on a controlled fill placed after the removal of any existing fills, topsoil and frost disturbed subsoils (assumed frost disturbed to at least 2 feet below the natural/original grades). The natural soils may be susceptible to remolding under equipment when wet. To address this condition there should be a minimum 6" layer of 3/8" crushed stone beneath the footings on the natural soils and as an initial layer beneath controlled fills where placed over a wet subgrade. Controlled fills should conform to the requirements of section 6.0 below, and should extend horizontally beyond the footings for a distance equal to at least the depth of fill beneath the footings.

**5.0.1 Foundations at building B and locally at building C** will probably fall in bedrock cuts. The recommended approach for foundations in the cuts is to over blast the rock to at least 2 feet below proposed footing levels. The excavation at footings should include removal of pieces of rock larger than 8". There should be at least 6" of crushed 3/8" stone place and compacted with a least 5 passes of vibratory compactor with a static weight of at least 4 Tons and dynamic force of 8 Ton over the blasted rock surface. The stone will in effect "choke" the blasted rock. This procedure of placing the crushed 3/8" stone over the smaller blasted rock particles should also apply for the slabs on grade in rock cuts.

**5.1** The **Allowable Bearing Pressure** for footing on controlled fill, on the crushed stone atop the blasted rock or on the crushed stone atop the natural inorganic soils can be 4,000 psf. The allowable bearing pressures can be increased by 1/3 for seismic and wind loading. Retaining wall footings can have toe pressures 50% above the average pressure cited above.

**5.2** Regarding Lateral Soil Loading on retaining walls constructed as part of the buildings (if any), these should be designed with at-rest pressure, using the at rest coefficient cited in the table below. Retaining walls apart from the buildings can be designed with normal active pressure (assuming level backfill). The ultimate sliding factor for concrete on crushed stone or controlled fill can be 0.55. The backfill for retaining walls should conform to section 6.0 below and should extend horizontally behind the wall for a distance equal to at least the height of the wall. Retaining walls should have foundation drains.

**5.2.1** Seismic lateral loading for retaining walls that are part of the building shall be with a total lateral force (seismic plus static at-rest pressure) equal to  $24H^2$  lb/ft located at  $\frac{1}{2}H$  above the bottom. The above value is based on the Mononobe-Okabe solution for the case with level backfill, no wall friction and no hydrostatic pressure. This value excludes the inertia of the soil and wall mass. The requirements for the seismic analyses of earth retention structures as part of the building shall be determined from the Connecticut Building Code (IBC) or the ASCE-7.

**5.3** The **Frost Protection Depth** in accordance with the Building Code is 3.5 feet below finish grades in areas that are exposed to weather.

Parameter	Value
Allowable Bearing Pressure for Footings on controlled fill, on the crushed stone layer atop the blasted rock or on the crushed stone layer atop the natural soils	4,000 psf
Backfill Unit Weight *	125 pcf
Internal Friction Angle , Backfill *	34°
At-Rest Coefficient	0.45
Active Pressure Coefficient (with level backfill * )	0.28
Sliding Coefficient soil/concrete	0.55
Seismic Site Soil Profile Classification	С
Mapped MCE Seismic Spectral Response Acceleration for one second period, $S_1$	0.059

5.4 The following is a Summary of the Foundation Design Parameters:

Mapped MCE Seismic Spectral Response Acceleration for short period, $S_s$	0.165
Frost Protection Depth	3.5 feet

\* For backfill conforming to the material in Section 6.0

6.0 Regarding Controlled Fill, Backfill of Retaining Walls, Foundation Walls and Column Footings, plus fill beneath Slabs at Grade (to within 4" of the slab bottom) the material should conform to the following, or be 3/8" crushed stone:

Percent Passing	Sieve Size
100	3.5"
50 - 100	3/4"
25 - 75	No.4

The fraction, passing the No.4 sieve should have less than 15% passing the No. 200 sieve.

## The on-site excavated soils will generally not conform to the above gradation.

All backfill and fill must be compacted to at least 95% of modified optimum density in accordance with ASTM D-1557.

**6.1** All topsoil, subsoil and existing fills should be removed from beneath the floor slabs. The controlled fill should conform to section 6.0 above. There should be at least 16" of controlled fill beneath slab on grade floors, placed to within 4" of the slab bottom. The final 4" directly beneath the slab should be with 3/8"crushed stone. As cited in section 5.0.1 the locations where the slabs on in rock cuts (blasted rock surface) a special procedure is recommended to minimize slab bottom preparation. A **vapor retarder** is required under slabs at grade.

**6.2 For basements of slabs below proposed exterior grades** there should be at least 8" of crushed 3/8" stone beneath the slabs. Footing drains are required and an interior perimeter under drain is recommended about 6 feet inside exterior walls. If usage is for apartments, water proofing is recommended. Water stops should be included at the wall/footing interface.

**7.0 Long Term Earth Slopes** in earth cuts and fills should be 2H:1V, or flatter. Earth cut slopes exceeding 4 feet high should have underdrains and a stone wedge to address ground water. A recommended slope schematic is provided in the Appendix 2.

**7.1** Regarding **Earthwork** the excavations will generally be in soils defined as OSHA Type C and any excavations, which are not shored and exceed 5 feet in height must be cut back to slopes less

than  $34^{\circ}$  from the horizontal.

**7.2** The following are recommendations for **compactor weight versus lift thickness** for placing controlled fills with material conforming to section 6.0 above:

Static Weight	Dynamic Force	Lift Thickness
>10 Tons	20 Tons	12"
7.5 Tons	15 Tons	10"
5 Tons	10 Tons	8"
2 Tons	4 Tons	7"
1 Ton	2 Tons	6"
< 1 Ton	< 2 Tons	< 5"

**7.3** The excavations for **utilities** will generally be in the dense moraine with cobbles and boulders or in possible ledge.

**7.3.1** The **Bedding Material** for underground utilities with trenches in soil can be with sand bedding or 3/8" crushed stone (utility may define actual bedding). Bedding for utilities falling in rock cuts should be with 3/8" crushed stone.

**7.3.2 Backfill of utility trenches in paved areas** should be with material cited in section 6.0 above to exclude future settlement of pavement.

**8.0** Regarding **New Pavements**, the pavement subgrades will generally fall in frost susceptible soils. There should be at least 12" of subbase beneath the pavement sections cited below to address the frost. Where the subgrades fall on wet soils, the initial layer of fill should be with a minimum 6" layer of 3/8" crushed stone. Existing subsoils can remain in place beneath the subbase layer provided that they can be proof compacted without significant rutting or weaving. Subbase material and controlled fill should conform to section 6.0 above. The recommended pavement sections atop the subbase are as follows:

For passenger car parking: 3" of Bituminous Concrete (in two courses) on 6" of Processed Stone Base (material conforming to CTDOT Form 816, section M.05.01)

For truck access areas: 4" of Bituminous Concrete (in two courses) on 8" of Processed Stone Base (material conforming to CTDOT Form 816, section M.05.01)

**8.1 Subsurface drainage and edge drains** are recommended in pavement cut areas to lengthen pavement life and lessen potential cracking. The drains can be 4" diameter perforated ADC piping

about 12" below the subbase in a geotextile wrapped trench backfilled with 3/8" crushed stone. Stone wedges are recommended in cuts exceeding 4 feet in depth.

**8.2** For **Portland Cement Concrete** the concrete thickness for light truck traffic would be 6". This would be placed on 12" of gravel subbase conforming to section 7.0. For passenger car parking the concrete thickness would be 5" atop 12" of the gravel subbase. For concrete aprons contiguous to the building the gravel subbase shall extend to 18" below grade. This is to avoid movement of the slab at flush doorways.

**9.0 Regarding storm water management and the potential for storm water infiltration,** the areas to the west of building "A" and to the south of building "C" have a stratum of soils above the bedrock and water table, which have moderate to high permeabilities (i.e., 9.1 to 200+ feet/day). In the higher terrain area between buildings "A" and 'B", the permeability values ranged from 1.1 to 5.6 feet/day.

**10.0** This report has been prepared for specific application to the subject project in accordance with generally accepted soil and foundation engineering practices. No other warranty, express or implied, is made. In the event that any changes in the nature, design and location of structures are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

The analyses and recommendations submitted in this report are based in part upon data obtained from referenced explorations. The extent of variations between explorations may not become evident until construction. If variations then appear evident, it will be necessary to re-evaluate the recommendations of this report.

Welti Geotechnical, P.C., should perform a general review of the final design and specifications in order that geotechnical design recommendations may be properly interpreted and implemented as they were intended.

If you have any questions please call me.

Very truly yours,

Max Welti

Max Welti, P.E. President

Clarence Welti

Clarence Welti Ph.D., P. E. Vice President

# **APPENDIX 1**

BORING LOCATION PLAN + TEST BORING LOGS + GRAIN SIZE GRADATION TEST RESULTS + PERMEABILITY TEST RESULTS



	RENCE	1 2022	NC	CLIENT					PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE					
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	2	5-6-7-7	2.0'-	-4.0'										
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5-														
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						-	BOULDERS							
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CLA	RENCE		ASSOC., I	NC.	CLIE	ЛТ		PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE III					
P.O.	BOX 397							LOCATION	- 111				
GLA	STONBU	RY, CONN	06033			LO	UREIRO ASSOCIATES	VILLAGE APARTM	ENT RO/	AD, MON	TVILLE, CT		
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						-							
											3.5		
						-	BOTTOM OF BORING @ 3.5' (A	UGER REFUSAL)					
5 -							NOTE: MADE 2 ADDITIONAL AT	TTEMPTS WITH REFU	SAL @ 3'				
						-	AND 3.5						
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25 -					<u> </u>	-							
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						_							
						_							
30 -					<u> </u>	_							
						_							
35							T						
LEGE	ND: COL	A:	AUCED C	CODE U		TUDDDD	DISTON C-SDLIT SDOON	DRILLER: T. CZMYR INSPECTOR:					
PROP	DRTIONS	$\begin{array}{c} \mathbf{D} = \mathbf{D}\mathbf{K}\mathbf{Y}  \mathbf{A} = \\ \mathbf{S}  \mathbf{USED} :  \mathbf{TR} \\ \end{array}$	ACE=0-10%	LITTLE=	=UNDI 10-20%	SOME=2	20-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	A-3		

CLA	RENCE	ASSOC., I	INC.	CLIENT					PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE III					
P.O.	BOX 397		06022						LOCA	TION				
GLA			00033			LO	URE	RO ASSOCIATES	VILL	AGE APARTI	MENT RO	AD, MON	ITVII	LE, CT
		AUGER	CASING	SAMPL	ER	CORE B.	AR.	OFFSET	SURFAC	E ELEV.	HOLE	NO.	Α	-4
TYPE		HSA		SS				LINE & STA.	GROU	ND WATER OBSE	RVATIONS	START	10/	14/20
SIZE I.D		3.75"		1.375	;"			N. COORDINATE	AT nor	IE FT. AFTER	0 HOURS	DATE	10/	14/20
HAMME	ER WT.			140lbs	s			F COORDINATE	AT	FT. AFTER	HOURS	FINISH	10/	14/20
HAMME	ER FALL			30"		•		E. COORDINATE				DATE	,	
DEPTH	NO	SAM BLOWS/6"	PLE	ртн	А			STRATUM I	DESCRIE + REM	PTION ARKS				ELEV.
0	1	1-2-3-7	0.0'-	-2.0'				PSOIL	1112111			0	.33	
		0 .					BR.	.FINE-MED.SAND, SOME SIL	T, LITTI	E GRAVEL,	FEW			
	2	5-6-16-15	2.0'-	-4.0'				DDLES						
							BR.	.FINE-CRS.SAND, LITTLE SIL	T & GR	AVEL, FEW (	COBBLES	&	3.0	
	3	9-9-10-13	4 0'-	-6.0'			BO	ULDERS						
5 -		001010	4.0	0.0										
10 –	4	0 1/ 20	10.0'	11 5'			LIG	HT GREY/BR FINE-CRS SAN		I E GRAVEL	FFW	1	0.0	
	4	0-14-30	10.0	-11.5			co	BBLES & BOULDERS, TRAC	E SILT	,				
15 -														
	15	50-60	15.0'-	-16.0'										
							BO.					1	7.0	
						-	ВО		AUGER	REFUSAL)				
						-								
20 -						-								
						-								
25 -						4								
30 -														
30														
35														
LEGE	ND: COL	. A:						]	DRILLEI	R: T. CZMYR				
SAMP	LE TYPE	D=DRY A	AUGER C=0	CORE U=U	UNDIS	TURBED	O PIST	ON S=SPLIT SPOON						
РКОРС	JETIONS	S USED: TRA	ace=0-10% ]	LITTLE=1(	0-20%	SOME=2	20-35%	0 AND=35-50%	SHEET	1 OF 1	HOLE NO	).	A-	4

CLA	RENC		ASSOC., I		ENT			PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE				
P.O.	BOX 397	7	,					LOCATION				
GLAS	STONBU	JRY, CONN	06033		L	OURE	EIRO ASSOCIATES	VILLAGE APARTI		AD, MON	TVIL	LE, CT
		AUGER	CASING	SAMPLER	CORE	BAR.	OFFSET	SURFACE ELEV.	HOLE	NO.	A	-5
TYPE		HSA		SS			LINE & STA.	GROUND WATER OBSER	RVATIONS	START		
SIZE I.D		3.75"		1.375"			N. COORDINATE	AT NONE FT. AFTER (	) HOURS	DATE	10/1	4/20
HAMME	ER WT.			140lbs				AT FT. AFTER	HOURS	FINISH	<sup>SH</sup> 10/14/20	
HAMME	ER FALL			30"			E. COORDINATE			DATE	10/1	4/20
DEPTH	NO	SAM BLOWS/6"	PLE	РТН А	\		STRATUM I	DESCRIPTION + REMARKS				ELEV.
0	1	60	0.0'-	-0.3'		∷⊢тс	OPSOIL			0.	33	
	•				-	BF	R.FINE-MED.SAND, SOME SIL	T & GRAVEL, FEW C	OBBLES	&		
	2	7-30-60	2.0'-	-3.3'	-	:	JOLDERS					
						BF	R.FINE-MED.SAND, SOME SIL	T, TRACE ROOTS, F	EW		4.0	
5 -	3	26-35-34-4	3 5.0'-	-7.0'		CC	OBBLES & BOULDERS					
							GHT BR.FINE-CRS.SAND, LIT	TLE GRAVEL, FEW C	OBBLES	&	9.0	
10 -	4	60	10.0'-	-10.3'		::  B(	JULDERS, TRACE SILT					
15 -												
15 -	12	60	15.0'-	-15.3'		:: B(	OTTOM OF BORING @ 15.5' (/	AUGER REFUSAL)			5.5	
								,				
20 -												
20												
25 -					_							
					_							
30 -					_							
35							,					
LEGE	ND: COL	. A:	-ALIGER C-4	CORE 11-11N	JISTI ID P	יאם חב	TON S-SPLIT SPOON	INSPECTOR:				
PROP	ORTIONS	S USED: TRA	ACE=0-10%	LITTLE=10-20	% SOME	=20-35	% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	A-!	5
												-

			NC	CLIEN	Т		PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE				
P.O.	BOX 39	7	10000., 1	NO.				LOCATION			
GLAS	STONBL	JRY, CONN	06033								
		AUGER	CASING	SAMPL	ER	CORE B	AR. OFFSET	SURFACE ELEV.	HOLE	NO	Δ-6
TYPE		HSA		SS			LINE & STA.		HOLE		A-0
SIZE I.D		3.75"		1.375	5"			GROUND WATER OBSER	VATIONS	START DATE	10/14/20
HAMME	ER WT.			140lb	s		N. COORDINATE	ATTIONE FLAFTER C	HOURS	EDUCU	
HAMME	R FALL			30"			E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/14/20
DEDTU		SAM	PLE				STRATUN	1 DESCRIPTION			ELEV/
DEPTH	NO.	BLOWS/6"	DEI	PTH	A		1	+ REMARKS			ELEV.
0	1	7-33-60	0.0'-	-1.5'			TOPSOIL GREY FINE-MED SAND LITTI	E SILT & GRAVEL FE		0. ES	25
											2.0
	2	7-32-21-15	5 2.0'-	-4.0'			BR.FINE-CRS.SAND, LITTLE S	SILT & GRAVEL, FEW C	OBBLES	&	
							DOULDERO				
5 -	3	60	4.0'-	-4.1'							
Ŭ						_					
10 -											
10	4	30-60	10.0'-	-10.6'							
										— 1 <sup>,</sup>	2.0
							BOTTOM OF BORING @ 12.0'	(AUGER REFUSAL)		<u> </u>	2.0
					NOTE: MADE 2 ADDITIONAL ATTEMPTS WITH REFUSALS AT 6'						
15							AND 4'				
10											
20 -											
20											
25 -											
25 -											
20											
30 -											
35											
LEGEN	ND: COL	. A:						DRILLER: T. CZMYR INSPECTOR:			
SAMPI PROP(	LE TYPE	: D=DRY A= S USED: TRA	ACE=0-10%	LORE U= LITTLE=1	:UNDIS .0-20%	SOME=2	20-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	A-6

	RENCI		1 20224	NC	CLIEN	Т		PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE						
P.O.	BOX 397	7	10000., 1					LOCATION						
GLAS	STONBL	JRY, CONN	06033			10								
		AUGER	CASING	SAMPI	LER	CORE B	AR. OFFSET	SURFACE ELEV.	HOLE	<u>NO</u>	Δ.7			
TYPE		HSA		SS			LINE & STA.		HOLE		A-1			
SIZE I.D		3.75"		1.375	5"			GROUND WATER OBSERV	VATIONS	START DATE	10/14/20			
HAMME	ER WT.			1401	os		N. COORDINATE	ATTIONE FL AFTER U	HOUKS	EDUCU				
HAMME	R FALL			30"			E. COORDINATE	AI FI. AFIEK	DATE	10/14/20				
DEDTU		SAM	PLE				STRATUM	DESCRIPTION			FLEW			
DEPTH	NO.	BLOWS/6"	DEI	PTH	A	<u> </u> ,		+ REMARKS			ELEV.			
0	1	1-1-7-4	0.0'	-2.0'			- <u>_TOPSOIL</u> BR FINF SAND AND SILT_TRA	CE ROOTS		0	40			
	2	8-16-21-28	3 2.0'-	-4.0'			LIGHT BR.FINE-CRS.SAND, LI	TTLE SILT & GRAVEL, F	EW		2.5			
						COBBLES & BOULDERS								
5	3	36-35-60	4.0'	-5.3'										
-						_								
						_								
10 -						_	BOTTOM OF BORING @ 9.5' (A	UGER REFUSAL)			9.5			
						_								
						_								
						_								
15 -														
_														
						_								
						_								
						_								
20 -														
						_								
						_								
25 -														
_														
						_								
30 -														
35														
LEGE	ND: COL	.A:	-AUGER C (	CODE II		ΤΙΙΟΟΕΓ	DISTON S-SDI IT CDOON	DRILLER: T. CZMYR INSPECTOR:						
PROP	DRTIONS	S USED: TR.	ACE=0-10%	LITTLE=1	10-20%	SOME=2	0-35% AND=35-50%	SHEET 1 OF 1 I	HOLE NO	).	A-7			

					CLIENT					PROJECT NAME PROPOSED APARTMENT BUILDINGS AT VILLAGE					
P.O.	BOX 397	7	43300., 1	NC.											
GLAS	STONBU	RY, CONN	06033						LOCA						
		AUCED	CASINC	CAMDI		LO CODE D	OREIRO AS	<u>SSOCIATES</u> ET	SURFAC	<u>LAGE APARTN</u> CE ELEV.	<u>IENT RO</u>	<u>ad, mon</u>	ITVILLE, CT		
TYPE		AUGER	CASING	SAMPI		COKE D.	AK.	0.075.4			HOLE	NO.	A-8		
		н5А 0.75"		007				& STA.	GROU	JND WATER OBSEI	RVATIONS	START	10/14/20		
SIZE I.D		3.75		1.37	5		N. CO	ORDINATE	AT NO	ne ft. after (	) HOURS	Diniz			
HAMME	R WI.			1400	os '		E. CO	ORDINATE	AT	FT. AFTER	HOURS	FINISH DATE	10/14/20		
HAMME	LK FALL	S A M	DLE	30	<u> </u>	1				DTION					
DEPTH	NO.	BLOWS/6"	DEI	PTH	A			STRATUM	A DESCRI + REM	PTION IARKS			ELEV.		
0	1	1-2-3-2	0.0'-	-2.0'			TOPSOIL	-				0	.56		
							LIGHT B	R.FINE-MED.SAND, S	SOME SIL	T, LITTLE GR/	AVEL				
·	2	5-4-6-14	2.0'-	-4.0'											
·													3.5		
							COBBLE	S & BOULDERS	ITTLE SIL	I & GRAVEL,	FEVV				
5 -	3	18-60	5.0'-	-5.6'											
							DOTTOM					_	6.5		
						-	BOTTOM	OF BORING @ 0.5 (	AUGER I	(EFUSAL)					
10 -															
·															
15 -															
·															
20 -															
						1									
						1									
25 -						1									
						1									
						1									
						1									
						1									
30 -						1									
						1									
						1									
						1									
35						1									
LEGEN	ND: COL.	. A:				-			DRILLE	R: T. CZMYR					
SAMP	LE TYPE	: D=DRY A=	=AUGER C=0	CORE U=	UNDIS=	TURBED	DPISTON S=	SPLIT SPOON	INSPEC	TOR:					
PROPO	ORTIONS	SUSED: TRA	ACE=0-10% 1	LITTLE=1	10-20%	SOME=2	20-35% AND	9=35-50%	SHEET	1 OF 1	HOLE NO	).	A-8		

<b>CLA</b> P.O.	RENCE BOX 397		ASSOC., I	NC.	CLIEN	Т		PROJECT NAME PROPOSED APARTI	MENT BU	IILDINGS	S AT VI	ILLAGE
GLAS	STONBU	RY, CONN	06033									
		AUCED	CASING	SAMDI	ED	LO CODE D	UREIRO ASSOCIATES	VILLAGE APARIM SURFACE ELEV.	ENT ROA	<u>ad, mon</u>		E, CT
TYPE		AUGER	CASING	SAMPL	EK	COKE D.			HOLE	NO.	B-9	)
		H5A		33	- 11		LINE & STA.	GROUND WATER OBSER	VATIONS	START	10/13/	/20
SIZE I.D		3.75		1.375	)		N. COORDINATE	AT NONE FT. AFTER 0	HOURS	DATE		
HAMME	R WT.			14016	S		E. COORDINATE	AT FT. AFTER	HOURS	FINISH DATE	10/13/	/20
HAMMI	ER FALL			30"								
DEPTH	NO.	SAM BLOWS/6"	PLE DEI	PTH	А		STRATUM	DESCRIPTION + REMARKS			E	ELEV.
0	1	1-7-14-11	0.0'-	-2.0'			TOPSOIL		EQ	0	.50	
							DARK BR.FINE-MED.SAND, SO	WE SILI, FEW COBL	.E9			
							LIGHT GREY/BR.FINE-CRS.SA	ND, LITTLE SILT & GR	AVEL,		2.0	
	2	3-8-60	3.0'-	-4.3'			FEW COBBLES & BOULDERS					
5 -	3	10-31-60	5.0'-	-6.3'		-						
							BOTTOM OF BORING @ 9.0' (A	UGER REFUSAL)			9.0	
10 -						-	,	,				
						-						
						-						
						-						
						-						
15 -												
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20												
20 -												
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30 -						-						
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						-						
						4						
35												
LEGE	ND: COL	A:	-AUGER C (	CODE U	UNDIG	TUDDEF	DISTON S-SDI IT SDOON	DRILLER: T. CZMYR INSPECTOR:				
PROP	ORTIONS	S USED: TRA	ACE=0-10% ]	LITTLE=1	0-20%	SOME=2	20-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	B-9	

CLA			ASSOC., I	INC.	CLIE	NT		PROJECT NAME PROPOSED APARTME	ENT BU	ILDINGS	AT VILLAGE
P.O. GLAS	STONBU	RY CONN	06033					LOCATION			
02/1				1		LO	UREIRO ASSOCIATES		NT ROA	D, MON	IVILLE, CT
		AUGER	CASING	SAMPI	LER	CORE B	AR. OFFSET	SURFACE ELEV.	HOLE N	ю.	B-10
TYPE		HSA		SS			LINE & STA.	GROUND WATER OBSERVA	TIONS	START	10/13/20
SIZE I.D	).	3.75"		1.37	5"		N. COORDINATE	AT NONE FT. AFTER 0	HOURS	DATE	10/13/20
HAMME	ER WT.			140lb	os		E COORDINATE	AT FT. AFTER	HOURS	FINISH	10/13/20
HAMME	ER FALL			30"			E. COORDINATE			DATE	
DEPTH	NO.	SAM BLOWS/6"	PLE DEI	РТН	A		STRATUM	DESCRIPTION + REMARKS			ELEV.
0	1	1-3-4-4	0.0'	-2.0'			TOPSOIL			0.4	40
							BR.FINE-CRS.SAND, SOME SIL	T, LITTLE GRAVEL, FE	W		
	2	4-8-60	2.0'-	-3.1'		-					
							LIGHT BR.FINE-CRS.SAND, LIT	TLE SILT & GRAVEL, FE	W	4	.0
5 -	3	60	5.0'	-5.4'			COBBLES & BOULDERS				
						-					
						-					
						-	WEATHERED ROCK			9	.0
10 -							BOTTOM OF BORING @ 10.0' (	AUGER REFUSAL)		10	.0
						-					
						-					
						_					
						-					
15 -						-					
						_					
						_					
						_					
						_					
20 -						_					
						_					
25 -											
25 -											
						1					
						1					
30 -						1					
						1					
						-					
LEGE	ND: COL	. A:			!			DRILLER: T. CZMYR			
SAMP	LE TYPE	: D=DRY A=	AUGER C=	CORE U=		STURBED	PISTON S=SPLIT SPOON	INSPECTOR:			
PROP	JETIONS	OSED: TRA	ace=0-10%	LIIILE=]	10-20%	SOME=2	20-35% AND=35-30%	SHEET 1 OF 1 HO	OLE NO	. I	3-10

					CLIEN	T			PROJE	CT NAME			S AT	VILLAGE
	BOX 397	- VVELII <i>F</i> 7	43300., 1	NC.									571	
GLAS	STONBU	RY, CONN	06033						LOCA	TION				
						LC	UREIRO ASSOCIAT	ES	VILL	AGE APARTI	MENT RO	AD, MON	ITVII	LE, CT
		AUGER	CASING	SAMP	LER	CORE B	AR. OFFSET		bolune	E EEE V.	HOLE	NO.	B-	·11
TYPE		HSA		SS	;		LINE & STA.		GROU	ND WATER OBSE	RVATIONS	START	10/	13/20
SIZE I.D		3.75"		1.37	5"		N. COORDINA	TE	AT NOT	1e FT. AFTER	0 HOURS	DATE	10/	13/20
HAMME	ER WT.			140	bs			ГF	AT	FT. AFTER	HOURS	FINISH	10/	13/20
HAMME	ER FALL			30			E. COORDINA					DATE		
DEPTH		SAM	PLE		А			STRATUM	DESCRI	PTION				ELEV.
0	NO.	BLOWS/6"	DEI	PTH					+ REM	ARKS			22	
Ŭ	1	3-4-4-9	0.0'-	-2.0'		-	LIGHT BR.FINE-M	ED.SAND, S	OME SIL	T, LITTLE GR	AVEL, FE	W	.33	
						_	COBBLES, TRAC	E ROOTS					1.5	
	2	27-34-60	2.0'-	-3.5'			COBBLES & BOU	KS.SAND, LI LDERS	TILE SIL	I & GRAVEL	, FEVV			
						_								
5 -						_								
Ũ	3	60	5.0'-	-5.4'									60	
							WEATHERED RO	CK				<u> </u>	0.0	
							BOTTOM OF BOR	ING @ 8.5' (	AUGER R	(FEUSAL)			8.5	
10									NO O E I I I					
10-														
						-								
						-								
15 –						-								
						-								
						-								
						-								
						-								
20 -						-								
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20														
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05						1								
35_			1		I									
LEGEN SAMP	ND: COL LE TYPE	A: : D=DRY A=	AUGER C=0	CORE U	UNDIS=	TURBEI	PISTON S=SPLIT SP	OON	INSPECT	TOR:	·			
PROP	ORTIONS	SUSED: TRA	ACE=0-10% 1	LITTLE=	10-20%	SOME=2	20-35% AND=35-50%		SHEET	1 OF 1	HOLE NO	).	B-1	1

					CLIEN	ΙT		PRO	JECT NAME			SAT	VILLAGE
P.O.	BOX 397	T VVELIIA 7	43300.,1	NC.									
GLAS	STONBU	RY, CONN	06033					LOC	ATION				
		AUCED	CASING	CAMDI	ED	LO CODE D	UREIRO ASSOCIATES	VI SURF	<u>LLAGE APARTI</u> ACE ELEV.	MENT RO	AD, MON		<u>_LE, CT</u>
TYDE		AUGER	CASING	SAMPI	LEK	CORE D				HOLE	NO.	B-	12
TYPE		H5A 0.75"		55	- "		LINE & STA.	GR	OUND WATER OBSE	RVATIONS	START	10/ <sup>,</sup>	13/20
SIZE I.D		3.75"		1.3/:	<b>5</b> ″		N. COORDINATE	AT	ONE FT. AFTER	0 HOURS	DAIL		
HAMME	R WT.			1400	DS		E. COORDINATE	AT	FT. AFTER	HOURS	FINISH DATE	10/	13/20
HAMME	RFALL			30*		1							
DEPTH	NO	BLOWS/6"	PLE DEI	РТН	Α		STR.	ATUM DESCI + RE	RIPTION MARKS				ELEV.
0	1	5-60	0.0'-	-1.0'			TOPSOIL				0	.25	
						-	BR.FINE-MED.SAND, SC	OME SILT & C	OBBLES				
						-							
	2	60	3 0'-	-3 3'		-							
	-		0.0	0.0		-	WEATHERED ROCK					4.0	
5 -							BOTTOM OF BORING @	5.0' (AUGER	REFUSAL)			5.0	
						_							
						_	THE STAKED LOCATION	NAL ATTEMI	ISAL AT 1' AND	10"			
						-							
						_							
10 –						-							
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25													
						1							
		-				1							
30 -						1							
						1							
35						1							
LEGE	ND: COL	. A:			•			DRILI	LER: T. CZMYR				
SAMP PROPO	LE TYPE ORTIONS	: D=DRY A= S USED: TR	AUGER C=0 ACE=0-10% l	CORE U= LITTLE=1	UNDIS= 10-20%	STURBED	PISTON S=SPLIT SPOON 0-35% AND=35-50%	SHEET	Г 1 OF 1	HOLE NO	).	B-1	2

			1 2022		CLIEN	IT			PROJ	ECT NAME POSED APART	MENT BL	JILDING	S AT	VILLAGE
P.O.	BOX 397	_ <b>VVLLII</b> /	-3300., 1	NC.					LOCA	TION				
GLAS	STONBU	RY, CONN	06033						LOCA					
		AUCED	CASING	CAMD		LO CODE D	UREIRO ASSOCIATES		SURFAC	<u>_AGE_APARTN</u> CE ELEV.	<u>IENT RO</u>	<u>AD, MON</u>		LLE, CI
		AUGER	CASING	SAMP		CORE DA	AK.				HOLE	NO.	B·	·13
TYPE		HSA 0.75"		55			LINE & STA.		GROU	JND WATER OBSEI	RVATIONS	START	10/	13/20
SIZE I.D	•	3.75"		1.37	5"		N. COORDINATE		AT NO	ne ft. After (	) HOURS	DATE		
HAMME	ER WT.			140	bs		E. COORDINATE		AT	FT. AFTER	HOURS	FINISH	10/	13/20
HAMME	R FALL			30'	<u> </u>	<u> </u>						DATE		
DEPTH	NO	SAM	PLE	DTH	А		ST	RATUM	DESCRI	PTION				ELEV.
0	1	1129		2.0'						IAKKS		0	.17	
-	-	1-1-3-0	0.0	-2.0			LIGHT BR.SILT AND FI	INE SAND	D					
						-	LIGHT GREV/BR FINE				۶.		2.0	
-							BOULDERS, LITTLE S	SILT & GR	RAVEL		6			
	2	60	3.0'-	-3.5		-								
5 -														
	3	60	5.0'-	-5.4'			BOTTOM OF BORING	@ 5.5' (A	UGER F	REFUSAL)			5.5	
						4	NOTE: MADE 1 ADDITI	ίοναι ατ	ттемрт	WITHIN 5 FE	ET OE TH	IF		
						_	STAKED LOCATION W	/ITH REF	USAL A	T 4.0'				
10 -														
15 -						1								
-														
-						-								
-						-								
20 -						-								
-						-								
						-								
						_								
						-								
25 -						-								
						_								
						_								
30 -														
[														
35														
LEGEN	ND: COL	A:				-			DRILLE INSPEC	R: T. CZMYR				
SAMPI PROP(	LE TYPE ORTIONS	: D=DRY A= SUSED: TR	AUGER C=0	CORE U= LITTLE=	=UNDIS 10-20%	STURBED SOME=2	PISTON S=SPLIT SPOON 0-35% AND=35-50%	F	SHEET	1 OF 1	HOLE NO	).	<b>B-</b> 1	3

	RENCE		ASSOC I	NC	CLIEN	νT					PROJI PROP	ECT NAME OSED APAR	MENT BL	JILDING	S AT	VILLAGE
P.O.	BOX 397	7	10000., 1								LOCA	TION	III			
GLAS	STONBU	RY, CONN	06033				10	סופסוור			VILL				171/11	
		AUGER	CASING	SAMPI	LER	COR	E B	BAR. 0	FFSET		SURFAC	CE ELEV.	HOLE	<u>NO</u> .	B-	.14
TYPE		HSA		SS					INE & STA.				noll			14
SIZE I.D		3.75"		1.37	5"				COOPDRUTE		GROU	IND WATER OBSE	RVATIONS	START DATE	10/	13/20
HAMME	R WT.			1401	os			N	. COORDINATE			ET AFTER	J HOURS	EINIGH		
HAMME	R FALL			30"				— Е.	. COORDINATE		AI	FI. AFIEK	HOURS	DATE	10/	13/20
DEDTU		SAM	PLE							STRATUM	1 DESCRI	PTION				FLEV
DEPTH	NO.	BLOWS/6"	DEI	PTH	A	<b>_</b>	· · · ·	·h			+ REM	IARKS			10	ELEV.
0	1	7-6-5-8	0.0'	-2.0'				BR.FI	SOIL INE-MED.SAND	. SOME S	SILT. TRA	CE ROOTS &	GRAVEL	0	. 10	
						_:::				, 00112 0			OIUUEE			
						_:::	::::	-								
	2	26-60	3.0'-	-3.9'											4 0	
5 -								BOUI	T GREY/BR.FIN	E-CRS.SA SILT	AND, SON	ME COBBLES	&	\	1.0	
Ů	3	60	5.0'	-5.3'						0.21					6.0	
								BOTT	FOM OF BORIN	G @ 6.0' (	AUGER F	REFUSAL)		<u> </u>	0.0	
10 -																
10																
15 -																
10																
20 -																
20																
25 -																
25																
30 -																
50																
35																
LEGEN	ND: COL	A:					D				DRILLE INSPEC	R: T. CZMYR TOR:		_	_	
SAMPI PROP(	LE TYPE DRTIONS	: D=DRY A= SUSED: TRA	ACE=0-10%	CORE U= LITTLE=1	=UNDI: 10-20%	STUR SON	BED 1E=2	20-35%	N S=SPLIT SPOO AND=35-50%	N	SHEET	1 OF 1	HOLE NO	).	B-1	4

					CLIEN	T			PROJ	ECT NAME OSED APART		JII DINGS	SAT	VILLAGE
P.O.	BOX 397	T VVELII <i>F</i> 7	43300.,1	INC.						TION				
GLAS	STONBU	IRY, CONN	06033						LOCA	TION				
						LC		O ASSOCIATES	VILI	LAGE APARTN	MENT RO	AD, MON	ITVIL	LE, CT
		AUGER	CASING	SAMPI	LER	CORE B	BAR.	лтэет 	berum		HOLE	NO.	B-′	15
TYPE		HSA		SS			L	LINE & STA.	GROU	IND WATER OBSEI	RVATIONS	START	10/1	3/20
SIZE I.D		3.75"		1.37	5"		N	N. COORDINATE	AT NO	ne ft. After (	) HOURS	DATE	10/1	0/20
HAMME	ER WT.			140lk	os		F	E COORDINATE	AT	FT. AFTER	HOURS	FINISH	10/1	3/20
HAMME	ER FALL			30"	<u> </u>							DATE		
DEPTH		SAM	PLE		А			STRATUM	DESCRI	PTION				ELEV.
0	NO.	BLOWS/6"	DEI				TOP	SOIL	+ KEM	IAKKS		0	.17	
_	1	2-2-3-3	0.0	-2.0		-		T BR.FINE SAND AND SI	_T, TRAC	E ROOTS				
						-	:							
	2	10-60	2.0'-	-2.6'		_	LIGH	IT GREY/BR.FINE-MED.S/	AND, SO	ME GRAVEL,	FEW		2.5	
						-	COB	BLES & BOULDERS, LITT	LE SILT					
5 -						_	-							
	3	25-37-60	5.0'-	-6.5'		_	-							
													70	
							BOT	TOM OF BORING @ 7.0' (	AUGER F	REFUSAL)		<u> </u>	1.0	
10 -														
10 -														
15 –														
						-								
						-								
						-								
						-								
20 -						-								
						-								
						-								
						_								
						4								
25 –						4								
-						4								
						4								
						1								
20.														
30 -														
						]								
						1								
						1								
25						1								
<u> </u>	<u> </u>		I			_1	1		DRILLE					
LEGE	ND: COL	. A:							INSPEC	TOR:				
SAMP	LE TYPE	: D=DRY A=	=AUGER C=0	CORE U=	UNDIS	TURBEL	D PISTO	N S=SPLIT SPOON						
PROPO	JETIONS	S USED: TRA	ACE=0-10% ]	LITTLE=]	10-20%	SOME=2	=20-35%	AND=35-30%	SHEET	1 OF 1	HOLE NO	).	B-1	5

	DENC				CLIEN	T		PROJECT NAME	TMENT BL			
			45500.,1	INC.								
GLAS	STONBL	, JRY, CONN	06033					LOCATION				
						LO	UREIRO ASSOCIATES		MENT ROA	AD, MON	ITVILLE	, CT
		AUGER	CASING	SAMP	LER	CORE B	AR. OFFSET	SURFACE ELEV.	HOLE	NO.	B-16	5
TYPE		HSA		SS	6		LINE & STA.	GROUND WATER OBSE	RVATIONS	START	40/40/	0.0
SIZE I.D	-	3.75"		1.37	5"		N. COORDINATE	AT NONE FT. AFTER	0 HOURS	DATE	10/13/2	20
HAMME	ER WT.			140	bs			AT FT. AFTER	HOURS	FINISH	10/10/	20
HAMME	ER FALL			30'			E. COORDINATE			DATE	10/13/2	20
DEDTU		SAM	PLE				STRATU	M DESCRIPTION			E	LEV
DEPTH	NO.	BLOWS/6'	' DEI	PTH	A			+ REMARKS			47 E.	LEV.
0	1	1-4-4-18	0.0'	-2.0'			TOPSOIL BR FINE-MED SAND SOME			0	. 17	
							LIGHT GREY/BR.FINE-CRS.S	SAND. SOME GRAVEL.	FEW		1.5	
	2	22-32-46-6	0 2.0'-	-3.8'			COBBLES & BOULDERS, LIT	TLE SILT				
_												
5-	3	20-60	5.0'	-6.0'		1						
							BOTTOM OF BORING @ 7.0'	(AUGER REFUSAL)			7.0	
·						1						
						-						
10						-						
						-						
						-						
						-						
						-						
15 -						-						
						4						
						-						
						_						
						4						
20 -												
20												
						1						
						1						
25 –						1						
						-						
						1						
30 -						-						
						-						
						-						
						-						
						-						
35												
LEGEN	ND: COL	. A:						DRILLER: T. CZMYR	ł			
SAMP	LE TYPF	: D=DRY A	=AUGER C=0	CORE U:	UNDIS=	TURBED	PISTON S=SPLIT SPOON	INSPECTOR:				
PROPO	ORTION	S USED: TR	ACE=0-10%	LITTLE=	10-20%	SOME=2	0-35% AND=35-50%	SHEFT 1 OF 1	HOLENC	)	B-16	
									HOLE NU	<i>.</i>	0-10	

			1 2022		CLIEN	Т			PROJ	ECT NAME OSED APAR1	MENT BL	JILDING	S AT	VILLAGE
P.O.	BOX 397	T VVELII <i>F</i> 7	43300.,1											
GLAS	STONBU	IRY, CONN	06033						LOCA	TION				
		AUCED	CAGING	GAMDI	ED			RO ASSOCIATES	VILL SURFAC	<u>AGE APARTN</u> CE ELEV.	MENT RO	AD, MON		<u>_LE, CT</u>
		AUGER	CASING	SAMPL	LEK	CORE B	SAR.				HOLE	NO.	C-	17
ТҮРЕ		HSA		55				LINE & STA.	GROU	IND WATER OBSE	RVATIONS	START	10/ <sup>,</sup>	12/20
SIZE I.D	).	3.75"		1.375	5"			N. COORDINATE	AT NO	ne ft. After (	) HOURS	DAIL		
HAMME	ER WT.			140lb	os			E. COORDINATE	AT	FT. AFTER	HOURS	FINISH DATE	10/	12/20
HAMMI	ER FALL			30"										
DEPTH	NO	SAM BLOWS/6"	PLE DFE	лн	Α			STRATUM	DESCRI + REM	PTION IARKS				ELEV.
0	1	1-3-60	0.0'-	1.3'				PSOIL	110011			0	.17	
	•		0.0			-	BR.	FINE-MED.SAND, LITTLE S	SILT & GF	RAVEL, FEW (	COBBLES	&		
						-		DDLES						
						-	:							
						-	-							
5 -		26.60	F_0'	E 0'		-		HT GREY/BR FINE-MED SA		TI E SII T & GE	RAVEL EF	=w \	5.0	
	2	20-00	5.0-	-5.9		-	CO	BBLES	<b>.</b> , En		0.00000,000			
						-	:							
						-	-							
						_	-							
10 -							:					— <u>1</u>	0.0	
						_	BO	TTOM OF BORING @ 10.0	(AUGER	REFUSAL)		·		
						_								
15 -														
15														
20 -														
						-								
						-								
						-								
						-								
25 –						-								
						-								
						-								
						_								
						-								
30 -						_								
						_								
						4								
						4								
						4								
35														
LEGE	ND: COL	. A:	-AUCED C (	CODE 11		тнове	ם סופידי		DRILLE INSPEC	R: T. CZMYR TOR:				
SAMP PROP	LE I YPE	S USED: TRA	ACE=0-10% I	LITTLE=1	-ONDIS 10-20%	SOME=2	20-35%	5 AND=35-50%	SHEET	1 OF 1	HOLE NO	).	C-1	7

	RENC				ENT		PROJECT NAME PROPOSED APART	MENT BU	ILDINGS	AT VILLAGE
P.O.	BOX 397	7	10000., 1	NO.			LOCATION	III		
GLA	STONBU	IRY, CONN	06033							
		AUGER	CASING	SAMPLER	CORE B	AR. OFFSET	SURFACE ELEV.		<u>NO</u>	C-18
TYPE		HSA		SS		LINE & STA		HOLE		0-10
SIZE LD	).	3.75"		1.375"			GROUND WATER OBSER	VATIONS	START DATE	10/12/20
HAMME	ER WT.			140lbs		N. COORDINATE	ATTIONE FL AFTER U	HOURS	EDUCU	
HAMME	ER FALL			30"		E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/12/20
		SAM	PLE			STRATUM	DESCRIPTION			
DEPTH	NO.	BLOWS/6"	DEI	PTH A	1		+ REMARKS			ELEV.
0	1	1-4-7-15	0.0'-	-2.0'			<u>т</u>		0.	17
						LIGHT BR.FINE SAND AND SIL	.1			2.0
	2	20-60	2.0'-	-3.0'		LIGHT GREY/BR.FINE-MED.SA	ND, LITTLE SILT & GR	AVEL		2.0
						WEATHERED ROCK			<u> </u>	5.0
5 -					::::::	BOTTOM OF BORING @ 4.5' (A				1.5
5							,			
10										
10-										
15 -										
20 -										
25 -										
30 -										
25										
LEGE	ND: COL	. A:	1	I	1		DRILLER: T. CZMYR			
SAMP	LE TYPE	: D=DRY A=	AUGER C=0	CORE U=UN	DISTURBED	PISTON S=SPLIT SPOON	INSPECTOR:			
PROP	ORTIONS	S USED: TRA	ACE=0-10% 1	LITTLE=10-20	% SOME=2	20-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	C-18

					CLIEN	Т			PROJE	CT NAME OSED APART	MENT BL	IILDING	S AT	VILLAGE
P.O.	BOX 397		43300.,1	NC.					LOGA	TION				
GLAS	STONBU	RY, CONN	06033						LOCA	TION				
		AUCED	CASING	CAMDI	ED	LO CODE D	UREIRO ASSOCIATES		SURFAC	AGE APARTN 12 ELEV.	<u>IENT RO</u>	AD, MON		LE, CT
TYPE		AUGER	CASING	SAMPI	LEK	LOKE B.	AK.				HOLE	NO.	C-	19
I YPE		H5A		55			LINE & STA.		GROU	ND WATER OBSEF	RVATIONS	START	10/1	2/20
SIZE I.D		3.75		1.375	<b>D</b> "		N. COORDINATE		AT NOT	NE FT. AFTER (	) HOURS	DAIL		
HAMME	ER WT.			1401	DS		E. COORDINATE		AT	FT. AFTER	HOURS	FINISH DATE	10/1	2/20
HAMMI	ERFALL			30"		1								
DEPTH	NO	SAM BLOWS/6"	PLE	ртн	А		S	TRATUM	DESCRIE + REM	PTION ARKS				ELEV.
0	1	1-4-16-21	0.0'-	-2 0'			TOPSOIL		1112111			0	.25	
				2.0			LIGHT BR.FINE-MED	SAND, LI	TTLE TO	SOME SILT,	LITTLE			
	2	60	2 0'-	-2 5'			GRAVEL, FEW CODE	DLE3						
	-			2.0										
5 -	3	26-60	5.0'	-5 9'										
	5	20.00	0.0	0.0			LIGHT GREY/BR.FIN	E-CRS.SA	ND. LITT	LE SILT & GR	AVEL. FE	w \	6.0	
							COBBLES		,		,			
10 –							BOTTOM OF BORING	G @ 10.0'	AUGER	REFUSAL)		1	0.0	
						-	201101101201111		() 10 0 1 1					
						-								
						-								
						-								
15 -						-								
						-								
						-								
						-								
						-								
20 -						-								
25 -														
20														
						1								
30 -						1								
						1								
						1								
						1								
9F														
<u> </u>	I		1			-			DRILLEI					
LEGE	ND: COL	A:	ALICER C	CODE V	INFO			, I	INSPECT	FOR:				
SAMP	LE TYPE	: D=DRY A=	AUGER C=0	CORE U=		TURBED	PISTON S=SPLIT SPOON	N T					-	_
РКОРС	JETIONS	USED: TRA	ACE=0-10% ]	LITTLE=1	10-20%	SOME=2	0-35% AND=35-50%		SHEET	1 OF 1	HOLE NO	).	C-1	9

					CLIEN	ΤI			PROJE	ECT NAME OSED APAR1	MENT BL	JILDING	SAT	VILLAGE
P.O.	BOX 39	E VVELII <i>i</i> 7	43300.,1	NC.										
GLAS	STONBL	JRY, CONN	06033						LOCA	TION				
		ALICED	CASING	CAMD			DUREIF	RO ASSOCIATES OFFSET	SURFAC	<u>LAGE APARTN</u> De elev.	MENT RO	AD, MON		LE, CT
THE		AUGER	CASING	SAMP	LEK	CORE B.	SAK.				HOLE	NO.	C-2	20
ТҮРЕ		HSA		55			I	LINE & STA.	GROU	IND WATER OBSE	RVATIONS	START	10/8	/20
SIZE I.D		3.75"		1.37	5"		I	N. COORDINATE	AT NO	ne ft. After (	) HOURS	DAIL		
HAMME	ER WT.			1401	bs		I	E. COORDINATE	AT	FT. AFTER	HOURS	FINISH	10/8	/20
HAMME	ER FALL			30"	<u>'</u>	1						DATE		
DEPTH	NO	SAM	PLE	отц	А			STRATUM	DESCRI	PTION				ELEV.
0	NO.	2_3_3_2		-2 0'			L TOP	PSOIL					56	
		2-3-3-2	0.0	-2.0		-	BR.S	SILT, TRACE FINE SAND &	ROOTS				.50	
	2	2225	2.0'	4.0'		-	-							
	2	3-3-3-5	2.0-	-4.0		_								
		0 40 04 44		0.01		-		HT BR FINE-CRS SAND SC				2	4.0	
5 -	3	8-10-21-41	4.0	-6.0		-	BOL	JLDERS, TRACE SILT		- VLL, I L VV O	OBBLES	x		
						_								
						_	:							
							:							
						_								
10 -														
	4	38-60	10.0'-	-10.8'		_	:							
							:							
												1	20	
							BOT	rtom of Boring @ 13.0' (	AUGER	REFUSAL)			3.0	
45														
15 -														
						-								
						-								
20 -						-								
						-								
						-								
						_								
					-	-								
25 –						-								
						_								
						-								
						_								
					-									
30 -						_								
35														
LECE		۸۰							DRILLE	R: T. CZMYR				
SAMP	LE TVPF	• A• • D=DRY A•	AUGER C-0	CORE 11-		TURBER	D PISTO	ON S=SPLIT SPOON	INSPEC	TOR:				
PROP	ORTION	SUSED: TR	ACE=0-10%	LITTLE=	10-20%	SOME=2	:20-35%	AND=35-50%	CHEET	1 OF 1		<u> </u>	<u> </u>	•
i KOI		,			10 20/0	501111-2	20 3570		SHEET	T OF 1	HULE NO	).	C-2	U

CLA	RENCE		ASSOC., I	NC.	CLIEN	Т		PROJECT NAME PROPOSED APARTI	MENT BL	ILDING	S AT	VILLAGE
P.O.	BOX 397		06033					LOCATION				
GLA			00033			LO	UREIRO ASSOCIATES	VILLAGE APARTM	IENT RO	AD, MON	ITVIL	LE, CT
		AUGER	CASING	SAMPL	ER	CORE BA	AR. OFFSET	SURFACE ELEV.	HOLE	NO.	<b>C-</b> 2	21
TYPE		HSA		SS			LINE & STA.	GROUND WATER OBSER	VATIONS	START	10/9	2/20
SIZE I.D		3.75"		1.375	5"		N. COORDINATE	AT NONE FT. AFTER 0	HOURS	DATE	10/6	<i>6/2</i> 0
HAMME	ER WT.			140lb	s			AT FT. AFTER	HOURS	FINISH	10/8	3/20
HAMME	ER FALL			30"			E. COORDINATE			DATE		" <sub>20</sub>
DEPTH	NO	SAM	PLE		А		STRATUM	DESCRIPTION				ELEV.
0	NO.	1 1 1 2		2.0'			TOPSOIL	+ REMARKS			56	
		1-1-1-2	0.0	-2.0			LIGHT BR.SILT, TRACE FINE S	AND & ROOTS			.50	
	2	2 11 16 60	2 0'	2.0'								
	2	3-11-10-00	/ 2.0*	-3.9			LIGHT BR.FINE-MED.SAND. SC	OME GRAVEL LITTLE	SILT. FE	N	3.0	
							COBBLES & BOULDERS		0.2., . 2			
5 -	2	4 22 27 26	<u> </u>	7.0'								
	3	4-32-27-30	5.0.	-7.0								
10 -				10.01						1	0.0	
	4	60	10.0	-10.3			DR.I INE-ONO. JAND, EITTEE J					
										1	4.0	
15 -						-		AUGER REFUSAL)				
						-						
						-						
						-						
20 -												
25 -												
20 -												
- 50												
35												
LEGE	ND: COL	. A:						DRILLER: T. CZMYR INSPECTOR:				
SAMP PROP	LE TYPE ORTIONS	: D=DRY A=	=AUGER C= $($	CORE U=	UNDIS 0-20%	TURBED	PISTON S=SPLIT SPOON 0-35% AND=35-50%				0.0	
INOP	SKIIONS	, 052 <b>D.</b> IK	1070 I	LIIILL-I	5-2070	SOME-2	0 <i>33 /0 1</i> 110- <i>33</i> -30 /0	SHEET 1 OF 1	HOLE NO	).	C-2	1

	RENC		ASSOC I	NC	CLIEN	Т		PROJECT NAME PROPOSED APART	MENT BU	ILDING	S AT	VILLAGE
P.O.	BOX 397	7	10000., 1	NO.				LOCATION				
GLAS	STONBU	IRY, CONN	06033									
		AUGER	CASING	SAMPI	FR (	TORE B	AR OFFSET	SURFACE ELEV.		<u>ad, mon</u>		<u>.LE, UI</u>
TVPF		HSA	Cribitto	57 101 2			LINE & STA		HOLE	NU.	U-	22
SIZEID		3 75"		1 375	."			GROUND WATER OBSER	VATIONS	START DATE	10/8	3/20
JAMME	D WT	5.75		14016	,		N. COORDINATE	AT NONE FT. AFTER 0	HOURS			
намме	R FALL			30"			E. COORDINATE	AT FT. AFTER	HOURS	FINISH DATE	10/8	3/20
		SAM	PLE			1						
DEPTH	NO.	BLOWS/6"	DEI	PTH	А		SIKAIUN	+ REMARKS				ELEV.
0	1	2-2-3-4	0.0'-	-2.0'						0	.33	
							<u>DARK BR.FINE-MED.SAND, L</u>	ITTLE SILT, TRACE GR SAND. TRACE ROOTS	AVEL		1.0	
	2	2-3-4-4	2.0'-	-4.0'								
	3	60	4.0'-	-4.3'						T	4.5	
5-							FEW COBBLES & BOULDERS	AND, SOME GRAVEL, L		_1,		
							WEATHERED ROCK				9.0	
10 –	4	60	10.0'-	-10.4'						— <u>1</u>	0.5	
							BOTTOM OF BORING @ 10.5	(AUGER REFUSAL)				
						-						
15 —												
						-						
						-						
						-						
20 -						-						
						-						
						-						
						-						
25 -						-						
						-						
						-						
30 -												
35								1				
LEGE	ND: COL	. A:		CODE U				DRILLER: T. CZMYR INSPECTOR:	_	_	_	
SAMP PROP(	LE TYPE	: D = DRY A = $S USED: TRA$	ACE=0-10%	LITTLE=1	0-20%	SOME=2	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	C-2	2

	DENC				CLIEN	ЛТ		PROJECT NAME	MENT BU			
	BOX 397	T VVELII <i>4</i> 7	45500.,1	INC.							5711 VIL	
GLAS	STONBU	RY. CONN	06033					LOCATION				
		,				LOU	REIRO ASSOCIATES		<u>IENT ROA</u>	AD, MON	ITVILLE	, CT
		AUGER	CASING	SAMP	LER	CORE BA	R. OFFSEI	SURFACE ELEV.	HOLE	NO.	C-23	\$
TYPE		HSA		SS	;		LINE & STA.	GROUND WATER OBSER	RVATIONS	START	10/0/00	0
SIZE I.D	•	3.75"		1.37	5"		N. COORDINATE	AT NONE FT. AFTER 0	) HOURS	DATE	10/6/20	0
HAMME	ER WT.			1401	bs		<b>P. 60 0 D D D D D</b>	AT FT. AFTER	HOURS	FINISH	10/0/00	<u> </u>
HAMME	ER FALL			30"	'		E. COORDINATE			DATE	10/6/20	0
DEDTU		SAM	PLE				STRATUN	I DESCRIPTION			E	LEV
DEPTH	NO.	BLOWS/6"	' DEI	РТН	A			+ REMARKS		0	47 E.	LEV.
0	1	5-11-7-6	0.0'	-2.0'			TOPSOIL BR EINE-MED SAND, SOME S			U	.17	
							FILL	SIET, TRACE ORAVEE &			1.0	
	2	5-4-8-24	2.0'	-4.0'			BR.FINE-MED.SAND, SOME S	SILT, TRACE GRAVEL				
	3	43-60	4.0'	-4.9'							4.5	
5 -							COBBLES & BOULDERS	RAVEL, LITTLE SILT, F	EVV			
						_					85	
						_	BOTTOM OF BORING @ 8.5' (	(AUGER REFUSAL)		<u> </u>	0.0	
10 -						-						
						_						
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15 -												
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25 –					<b> </b>	4						
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35_					ļ							
LEGE	ND: COL	. A:						DRILLER: T. CZMYR				
SAMP	LE TYPE	: D=DRY A=	=AUGER C=	CORE U=	UNDIS=	STURBED I	PISTON S=SPLIT SPOON	INSPECTOR:				
PROP	ORTIONS	SUSED: TR.	ACE=0-10%	LITTLE=	10-20%	SOME=20	-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	C-23	

	RENCE		10022		CLIE	NT			PROJE	CT NAME OSED APART	MENT BL	JILDING	S AT VILLAG	ΞE
P.O.	BOX 397	- <b>VVLLII<i>F</i></b> 7	10000., 1	INC.					LOCA	TION				_
GLAS	STONBU	RY, CONN	06033						LUCA	TION				
		. LIGER	a lanza	G + 1 (D)		LO	DUREI	RO ASSOCIATES	VILL SURFAC	<u>AGE APARTN</u> E ELEV.	<u>IENT RO/</u>	AD, MON	TVILLE, CT	
		AUGER	CASING	SAMP	LER	CORE B.	SAR.	OTIBET			HOLE	NO.	C-24	
TYPE		HSA		SS	5		]	LINE & STA.	GROU	ND WATER OBSER	VATIONS	START	10/8/20	
SIZE I.D		3.75"		1.37	5"		1	N. COORDINATE	AT NOT	ne ft. After 0	HOURS	DATE	10/0/20	
HAMME	ER WT.			1401	bs			E COOPDINATE	AT	FT. AFTER	HOURS	FINISH	10/8/20	
HAMME	ER FALL			30'	"		1	E. COORDINATE				DATE	10/0/20	
DEPTH		SAM	PLE		Δ			STRATUM	DESCRI	PTION			FLEV	
0	NO.	BLOWS/6"	DEI	PTH			L	2001	+ REM	ARKS		0	25	
0	1	2-2-2-3	0.0'	-2.0'				PSOIL RK BR FINF-MED SAND AN		RACE ROOT	S & WOO		.25	
						_						_		
	2	2-1-3-3	2.0'	-4.0'			:							
	3	3-3-5-9	4.0'	-6.0'										
5-						-								
						-	BR.	FINE-CRS.SAND, SOME G	RAVEL,F	EW COBBLES	&		6.0	
						-	BOU	JLDERS, TRACE SILT						
						-								
						-								
10 -			40.01	10.01			:							
	4	60	10.0	-10.3		_								
						_	BOT	FTOM OF BORING @ 11.5'	(AUGER	REFUSAL)		1	1.5	
						_								
15 -														
15 -														
						_								
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35														
LEGE	ND: COL	A:							DRILLEI INSPECT	R: T. CZMYR FOR:				
SAMP PROP	LE TYPE ORTIONS	: D=DRY A= SUSED: TRA	AUGER C=	CORE U= LITTLE=	=UNDI 10-20%	STURBED	20-35%	ON S=SPLIT SPOON AND=35-50%	SHEET	1 OF 1	HOLE NC	).	C-24	

CLA	RENCE		ASSOCI		CLIE	NT		P	ROJECT NAME ROPOSED APART	MENT BU	JILDINGS	AT VILLAGE
P.O.	BOX 397	7	10000., 1					I	OCATION			
GLAS	STONBU	IRY, CONN	06033									
		AUGER	CASING	SAMP	LER	CORE B.	AR. OFFSET	st	JRFACE ELEV.	HOLE	NO.	<b>TP1</b>
TYPE							LINE & STA.			HOLL		
SIZE I.D									GROUND WATER OBSER	VATIONS	DATE	10/8/20
HAMME	ER WT.								T ET AETED		FINISH	/. /
HAMME	ER FALL						E. COORDINATE	A	AI FI. AFIER	HOUKS	DATE	10/8/20
DEDTU		SAM	PLE				S	TRATUM DES	CRIPTION			ELEV
	NO.	BLOWS/6"	' DEI	PTH	~		TODOOU	+	REMARKS			ELEV.
Ŭ					-	_	BR.FINE SAND AND S	SILT, LITTLE F	ROOTS - FILL		0.	50
						_						
					-		LIGHT GREY/BR.SILT	, SOME FINE	SAND			2.5
5 -						_						5.0
							TRACE SILT	SAND, SOME	GRAVEL & COBB	LLO,		
								T @ º 0'			;	3.0
							BOTTOM OF TESTT	1 @ 0.0				
10 -						_						
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0.5						-						
35_			I		I			ואט	LLER.			<u> </u>
LEGEI SAMPI	ND: COL LE TYPE	A: : D=DRY A=	=AUGER C=(	CORE U	=UNDI	STURBED	PISTON S=SPLIT SPOON	INS	PECTOR: J. BREV	VER		
PROP	ORTIONS	SUSED: TR.	ACE=0-10%	LITTLE=	10-20%	SOME=2	0-35% AND=35-50%	SHE	EET 1 OF 1	HOLE NO	).	TP1

CLA	RENCE		ASSOCI	NC.	CLIE	NT			PROJECT NAME PROPOSED APARTI	MENT BU	ILDINGS	S AT VILI	LAGE
P.O.	BOX 397	7							LOCATION				
GLAS	STONBU	RY, CONN	06033			10							ст
		AUGER	CASING	SAMPI	LER	CORE B.	AR.	OFFSET	SURFACE ELEV.	HOLE	NO	TP2	01
TYPE								LINE & STA.		HOLL		11 2	
SIZE LD	).								GROUND WATER OBSER	VATIONS	START DATE	10/8/20	
HAMME	ER WT.							N. COORDINATE	ATTIONE FL AFTER U	HOURS	EDUCU		
HAMME	ER FALL							E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/8/20	
DEDEVI		SAM	PLE					STRATUM I	DESCRIPTION				
DEPTH	NO.	BLOWS/6"	DEI	PTH	A				+ REMARKS			EL	EV.
0								PSOIL			0	40	
								BBLES - FILL	E GRAVEL, LITTLE RC	JO13, FE	vv		
								GHT GREY/BR.SILT, SOME FI	NE SAND		;	3.5	
5							i						
5-							BR	R.FINE-CRS.SAND, SOME GR	AVEL & COBBLES, TR	ACE SIL	T	5.0	
							BC	DTTOM OF BORING @ 8.0'				5.0	
10													
10-													
						_							
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35													
LEGE	ND: COL	. A:	-AUGER C-4	CORE II-	-נואס	STUPPER	) אופד	TON S-SPLIT SPOON	DRILLER: INSPECTOR: J. BREW	ER			
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	SOME=2	20-359	% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	TP2	

			19990		CLIE	NT			PROJ	ECT NAME			SATN	/ILLAGE
P.O.	BOX 397	T VVELII <i>F</i> 7	43300.,1	INC.						TION				
GLAS	STONBU	IRY, CONN	06033						LOCA	TION				
			~ . ~ ~ ~ ~			LO	UREIRO ASS	OCIATES	VILI SURFAC	LAGE APARTI	MENT RO	AD, MON	ITVILL	_E, CT
		AUGER	CASING	SAMP	LER	CORE BA	AR. OTTSET				HOLE	NO.	TP	3
TYPE							LINE &	STA.	GROU	JND WATER OBSE	RVATIONS	START	10/8/	/20
SIZE I.D							N. COO	RDINATE	AT NO	NE FT. AFTER	0 HOURS	DATE	10/0/	20
HAMME	ER WT.						F COOI	PDINATE	AT	FT. AFTER	HOURS	FINISH	10/8/	20
HAMME	ER FALL				_		L. COO.					DATE		
DEPTH	NO	SAM	PLE		А			STRATUM	1 DESCRI	PTION				ELEV.
0	NO.	BLOWS/6"	DEI	PTH			TOPSOIL		+ KEM	IAKKS				
						-	LIGHT GRE	Y/BR.SILT, LITTLE	FINE SA	ND		0	.60	
						_::::::								
						_						<del>_</del>	4.0	
5 -							DR.FINE-C	RS.SAND, SOME G	RAVELO	COBBLES, I	RACE SIL	.1		
						_								
													8.0	
						_	BOTTOM C	0F TEST PIT @ 8.0'				<b>`</b>	0.0	
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35														
LEGEI	ND: COL	. A:							DRILLE INSPEC	R: TOR: J. BREV	VER			
SAMP PROP	LE TYPE DRTIONS	: D=DRY A= S <b>USED:</b> TRA	AUGER C=	CORE U= LITTLE=	=UNDI 10-20%	STURBED	PISTON S=SI	PLIT SPOON 35-50%	SHEET	1 OF 1	HOLE NO	).	ТР3	5

					CLIE	NT			PROJECT NAME	MENT BU	JILDINGS	SAT	VILLAGE
P.O. BC	DX 397		13300., 1	INC.									
GLAST	ONBUI	RY, CONN	06033						LOCATION				
			~ . ~ ~ ~ ~			LO	UREI	RO ASSOCIATES	VILLAGE APARTI	MENT RO	AD, MON	ITVIL	LE, CT
		AUGER	CASING	SAMP	LER	CORE B.	AR.	OTISET		HOLE	NO.	TF	°4
TYPE								LINE & STA.	GROUND WATER OBSE	RVATIONS	START	10/8	/20
SIZE I.D.								N. COORDINATE	AT NONE FT. AFTER	D HOURS	DATE	10/0	,20
HAMMER	WT.							F COORDINATE	AT FT. AFTER	HOURS	FINISH	10/8	/20
HAMMER	FALL							E. COORDINATE			DATE		
DEPTH		SAM	PLE		A			STRATUM I	DESCRIPTION				ELEV.
N	NO.	BLOWS/6"	DEI	PTH				DEOIL	+ REMARKS			40	
Ŭ –						_	LIG	GHT BR.SILT, SOME FINE SA	ND		0	.40	
							:						
												4 0	
5							BR	.FINE-CRS.SAND, SOME GR	AVEL & COBBLES, T	RACE SIL	т 🖵		
Ŭ													
							BO	TTOM OF TEST PIT @ 9.0'				9.0	
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35													
LEGEND	: COL.	A:		CODE -	10.00-		DICT		DRILLER: INSPECTOR: J. BRE\	VER			
SAMPLE PROPOR	TYPE:	D=DRY A= <b>USED:</b> TRA	=AUGER C=0 ACE=0-10% 1	LITTLE=	=UNDI 10-20%	STURBED 5 SOME=2	20-35%	6 AND=35-50%	SHEET 1 OF 1	HOLE NO	).	TP4	4

	RENCE		ASSOC		CLIE	NT			PROJECT NAME PROPOSED APAR	TMENT BL	JILDINGS	AT VILLAGE
P.O.	BOX 397	7							LOCATION	111		
GLAS	STONBU	IRY, CONN	06033				אוסרו					
		AUGER	CASING	SAMP	LER	CORE B	AR.	OFFSET	SURFACE ELEV.		NO	TD5
TYPE								LINE & STA		HOLE		IFJ
SIZELD									GROUND WATER OBS	ERVATIONS	START DATE	10/8/20
HAMME	D WT							N. COORDINATE	AT NONE FT. AFTER	0 HOURS		
HAMME	R FALL							E. COORDINATE	AT FT. AFTER	HOURS	FINISH DATE	10/8/20
		SAM	PLE						DESCRIPTION			
DEPTH	NO.	BLOWS/6"	DEI	РТН	A			SIKATUMI	+ REMARKS			ELEV.
0								PSOIL			0	.30
								SILT, SOME FINE SAND, LIT	TLE ROOTS			1.0
						-						4.5
5 -						-	BR.	.FINE-CRS.SAND, SOME GR	AVEL & COBBLES,	FRACE SIL	.т	
							:					
						_						
							: BO	TTOM OF TEST PIT @ 8.0'				8.0
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LEGEI SAMPI	ND: COL	. A:	=AUGER C=0	CORE U	=UNDI	STURBED	) PIST	ON S=SPLIT SPOON	DRILLER: INSPECTOR: J. BRE	WER		
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	20-35%	6 AND=35-50%	SHEET 1 OF 1	HOLE NO	).	TP5

					CLIE	NT		PROJECT NAME PROPOSED APAR	TMENT BI	JII DINGS	AT VILLAGE
P.O.	BOX 397	- VVELII <i>F</i> '	43300.,1	INC.							
GLAS	STONBU	RY, CONN	06033					LOCATION			
				1	L	LOU	UREIRO ASSOCIATES	VILLAGE APART	MENT RO	AD, MON	IVILLE, CT
		AUGER	CASING	SAMP	LER	CORE BA	AR. OFFSEI	JUNI ACE ELEV.	HOLE	NO.	TP6
TYPE							LINE & STA.	GROUND WATER OBSE	RVATIONS	START	10/9/20
SIZE I.D							N. COORDINATE	AT NONE FT. AFTER	0 HOURS	DATE	10/0/20
HAMME	R WT.							AT FT. AFTER	HOURS	FINISH	10/8/20
HAMME	R FALL						E. COORDINATE			DATE	10/0/20
DEPTH		SAM	PLE				STRATUM	DESCRIPTION			EI EV
0	NO.	BLOWS/6"	DEI	PTH		<u> </u>	TODOOU	+ REMARKS			DDL V.
Ū						_	BR.FINE SAND AND SILT. LITT	LE ROOTS		0.,	50
							LIGHT BR.SILT. SOME FINE S			1	.6
							,				
5											0
5-							BR.FINE-CRS.SAND, SOME G	RAVEL & COBBLES, 1	RACE SIL	.T \	.0
							BOTTOM OF TEST PIT @ 8.0'			8	.0
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10 -											
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35											
LEGEN Sampi	ND: COL.	A:	-AUGER C-4	CORF 11	=UNDI	STURBED	PISTON S-SPI IT SPOON	DRILLER: INSPECTOR: J. BRE	WER		
PROP	DRTIONS	<b>USED:</b> TRA	ACE=0-10%	LITTLE=	10-20%	SOME=2	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	TP6

	DENC				CLIE	NT		PROJECT NAME		III DINGS	AT VILLAGE
P.O.	BOX 397	T VVELII <i>F</i> 7	45500.,1	INC.							
GLAS	STONBU	RY, CONN	06033					LOCATION			
						LO	UREIRO ASSOCIATES	VILLAGE APART	MENT RO	AD, MON	TVILLE, CT
		AUGER	CASING	SAMP	LER	CORE BA	AR. OFFSEI	SUM ACE ELEV.	HOLE	NO.	TP7
TYPE							LINE & STA.	GROUND WATER OBSE	RVATIONS	START	10/9/20
SIZE I.D							N. COORDINATE	AT NONE FT. AFTER	0 HOURS	DATE	10/0/20
HAMME	ER WT.							AT FT. AFTER	HOURS	FINISH	10/8/20
HAMME	ER FALL						E. COORDINATE			DATE	10/0/20
DEPTH		SAM	PLE				STRATUM	DESCRIPTION			FLEV
0	NO.	BLOWS/6"	DE	PTH		<b>.</b>	TODOOU	+ REMARKS		0.1	DDL V.
Ū						_	BR.FINE SAND AND SILT. LITT	LE ROOTS		0.	50
							LIGHT BR.SILT. LITTLE FINE S	AND		1	.6
							,				
											0
5							RUST/BR. FINE SAND, LITTLE	TO SOME SILT		4	
5							BR.FINE-CR3.SAND, SOME G	AVEL & CODDLES, I	RACE SIL	. I	
							BOTTOM OF TEST PIT @ 8.0'			8	5.0
10 -											
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35											
LEGE	ND: COL	.A:	AUCER C	COPE 1	LINIDA	OTIDDDC	DISTON & COUT SPOON	DRILLER: INSPECTOR: J. BRE	WER		
SAMP PROP(	LE TYPE DRTIONS	: D=DRY A= S USED: TRA	ACE=0-10%	LITTLE=	=undi 10-20%	STURBED	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	TP7

	RENCE		10222		CLIE	NT			PROJECT NAME PROPOSED APARTI	MENT BU	ILDING	S AT \	/ILLAGE
P.O.	BOX 397	- <b>VVLLII</b> 7	-3300., 1	NG.					LOCATION				
GLAS	STONBU	RY, CONN	06033				ווחרו					IT ///	г от
		AUGER	CASING	SAMP	LER	CORE BA	AR	OFFSET	SURFACE ELEV.		<u>ad, mon</u>		LE, CI
TYPE			CIIDING			cond bi		LINE & STA		HOLE	NU.		0
SIZE I D							_		GROUND WATER OBSER	VATIONS	START DATE	10/8	/20
HAMME	FR WT							N. COORDINATE	AT NONE FT. AFTER U	HOURS			
HAMME	ER FALL							E. COORDINATE	AT FT. AFTER	HOURS	FINISH DATE	10/8	/20
		SAM	PLE					STRATUM	 DESCRIPTION				
DEPTH	NO.	BLOWS/6"	' DEI	PTH	A			STRITOW	+ REMARKS				ELEV.
0								PSOIL			0	.50	
							LIT	TLE ROOTS - FILL	E GRAVEL, FEW COB	BLES,		20	
							LIG	HT GREY/BR.SILT, SOME F	INE SAND			2.0	
												10	
5							GR	EY/BR.FINE-CRS.SAND, SO	ME GRAVEL & COBBL	ES, TRA	CE	4.0	
J							OIL	1					
												•	
							BO	TTOM OF TEST PIT @ 8.0'				0.0	
10 -													
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35													
LEGEN	ND: COL	A:	AUCER C	CODE U		CTUDDED	DICT	ON S-SELIT SECON	DRILLER: INSPECTOR: J. BREW	'ER			
SAMPI PROP(	DRTIONS	S USED: TRA	ACE=0-10%	LITTLE=	-0NDI 10-20%	5 SOME=2	20-35%	6 AND=35-50%	SHEET 1 OF 1	HOLE NC	).	ТР	3

P.O. BOX 397 GLASTONBURY, CONN 06033          AUGER       CASING       SAMPLER       CORE BAR.       OFFSET       SURFACE ELEV.       HOLE NO.         TYPE       AUGER       CASING       SAMPLER       CORE BAR.       OFFSET       GROUND WATER OBSERVATIONS       START         SIZE I.D.       SIZE I.D.       Image: Comparison of the compariso	TP9       10/8/20       10/8/20       ELEV.
GLASTONBURY, CONN 06033       LOUREIRO ASSOCIATES       AUGER     CASING     SAMPLER     CORE BAR.     OFFSET     SURFACE ELEV.     HOLE NO.       TYPE     AUGER     CASING     SAMPLER     CORE BAR.     OFFSET     GROUND WATER OBSERVATIONS     START       SIZE I.D.     I.D.     I.D.     I.D.     I.D.     I.D.     N. COORDINATE     AT none FT. AFTER     HOURS       HAMMER WT.     I.D.     I	VILLE, CT       TP9       10/8/20       10/8/20       ELEV.       25
AUGER     CASING     SAMPLER     CORE BAR.     OFFSET     SURFACE ELEV.     HOLE NO.       TYPE     Image: Correct of the state of the st	TP9           10/8/20           10/8/20           ELEV.           25
TYPE     Image: Constraint of the state of t	10/8/20 10/8/20 ELEV.
SIZE I.D.     Image: Size in the second	10/8/20 10/8/20 ELEV.
HAMMER WT.     N. COORDINATE     AT FT. AFTER     O HOURS       HAMMER FALL     E. COORDINATE     AT FT. AFTER     HOURS       DEPTH     NO     PLOWS (#)     DEPTH     A	10/8/20 ELEV.
HAMMER FALL     E. COORDINATE     AT     FT. AFTER     HOURS     HINSH DATE       DEPTH     NO     PLOWS (6"     DEPTH     A     STRATUM DESCRIPTION	ELEV.
DEPTH NO PLOWS (# DEPTH A STRATUM DESCRIPTION	ELEV.
DEPTH A DEPTH A	25
NO. BLOWS/0 DEPTH + REMARKS	<u>'5</u>
0 TOPSOIL	
LIGHT BR.SILT, SOME FINE SAND	.2
	0
BR.FINE-CRS.SAND, SOME GRAVEL & COBBLES, TRACE SILT	
	0
BOTTOM OF TEST PIT @ 8.0'	
25	
30	
35	
LEGEND: COL. A: DRILLER: INSPECTOR: J. BREWER	
SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON         PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%         SHEET 1 OF 1	ГР9

			10220		CLIE	NT		PROJECT NAME	MENT BU	ILDINGS	AT VILLAGE
P.O.	BOX 397	- <b>VVLLII</b> 7	-3300., 1	NC.				LOCATION			
GLAS	STONBU	RY, CONN	06033					LUCATION			
		AUCED	CASING	CAMD			JREIRO ASSOCIATES	VILLAGE APARTM SURFACE ELEV.	ENT ROA	<u>AD, MON</u>	
TUDE		AUGER	CASING	SAMP	LEK	CORE BA			HOLE	NO.	TP10
TYPE							LINE & STA.	GROUND WATER OBSERV	VATIONS	START	10/9/20
SIZE I.D	•						N. COORDINATE	AT NONE FT. AFTER 0	HOURS	DATE	
HAMME	ER WT.						E. COORDINATE	AT FT. AFTER	HOURS	FINISH	10/9/20
HAMME	ER FALL									DAIL	
DEPTH	NO	SAM	PLE	DTU	A		STRATUM I	DESCRIPTION			ELEV.
0	NO.	BLOWS/0	DEI	PIH			TOPSOIL	+ KEMAKKS		0	50
							BR.FINE-MED.SAND, LITTLE SI	LT & GRAVEL, FEW C	OBBLES		50
									SOME		2.0
							COBBLES & BOUDLERS	TLE SIET & GRAVEL,	SOME		
						_					
5 -						_					5.0
							SILT	ME GRAVEL & COBBL	.ES, LITT		
							BOTTOM OF TEST PIT @ 8.5'			8	3.5
40											
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LEGEI SAMPI	ND: COL LE TYPE	A: : D=DRY A=	=AUGER C=	CORE U=	=UNDI	STURBED	PISTON S=SPLIT SPOON	INSPECTOR: T. CZMY	R		
PROP	ORTIONS	SUSED: TRA	ACE=0-10%	LITTLE=	10-20%	SOME=20	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	)	TP10

	RENCE		ASSOC	INC	CLIE	NT		PROJECT NAME PROPOSED APART	MENT BL	ILDINGS	AT VILLAGE
P.O.	BOX 397	7 7						LOCATION			
GLAS	STONBU	IRY, CONN	06033								
		AUGER	CASING	SAMP	LER	CORE B	AR. OFFSET	SURFACE ELEV.		<u>NO</u>	
TYPE							LINE & STA		HOLE		16.11
SIZE I D								GROUND WATER OBSER	VATIONS	START DATE	10/9/20
HAMME	ER WT						N. COORDINATE	AT NONE FT. AFTER U	HOURS		
HAMME	ER FALL						E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/9/20
		SAM	PLE				STRATUM	 DESCRIPTION			
DEPTH	NO.	BLOWS/6"	' DEI	PTH	A	_		+ REMARKS			ELEV.
0							_ TOPSOIL BR SILT SOME FINE SAND TH			0.	50
							DR.SIET, SOMETHINE SAND, TH		ODDLLS		
5 -										F	5.0
Ŭ							LIGHT BR.SILT AND FINE SANI	D, TRACE GRAVEL, F	EW		
										6	3.0
						_	BOTTOM OF TEST PIT @ 8.0'			<u> </u>	
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35											
LEGE	ND: COL	A:	=AUGER C-4	CORF U	=UNDI	STURRED	PISTON S=SPI IT SPOON	DRILLER: INSPECTOR: T.CZMY	R		
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	<b>ГР</b> 11

CLA	RENCE		ASSOC I	INC.	CLIE	NT		PROJECT NAME PROPOSED APART	MENT BL	JILDINGS	AT VILLAGE
P.O.	BOX 397	7						LOCATION			
GLAS	STONBU	IRY, CONN	06033			1.0					
		AUGER	CASING	SAMP	LER	CORE BA	AR. OFFSET	SURFACE ELEV.	HOLE	NO.	TP12
TYPE							LINE & STA.				
SIZE I.D								AT DODE ET AFTER	VATIONS	DATE	10/9/20
HAMME	ER WT.							AT ET AFTER	HOURS	FINISH	/ . /
HAMME	ER FALL						E. COORDINATE	AI FI. AFIEK	HOUKS	DATE	10/9/20
DFPTH		SAM	PLE				STRATUM	DESCRIPTION			FLEV
0	NO.	BLOWS/6"	' DEI	PTH			TORSOIL	+ REMARKS			
Ŭ						_	LIGHT BR.FINE-MED.SAND, SC	OME SILT, LITTLE GRA	AVEL &	0.	66
							COBBLES, FEW BOULDERS				
						_					
						_	LIGHT GREY/BR.SILT, SOME F	INE SAND, TRACE RO	DOTS	;	3.5
5 -						_					
						_					
										8	3.0
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LEGEI SAMPI	ND: COL	A: D=DRY A	=AUGER C=4	CORE U	=UNDI	STURBED	PISTON S=SPLIT SPOON	DRILLER: INSPECTOR: T.CZMY	R		
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	TP12

			1 2022		CLIE	NT			PROJECT NAME PROPOSED APARTI	MENT BU	ILDINGS	S AT VILLAGE
P.O.	BOX 397	7	-3300., 1	NC.					LOCATION			
GLAS	STONBU	IRY, CONN	06033									
		AUGER	CASING	SAMD			A P	OFFSET	VILLAGE APARIM SURFACE ELEV.	ENT ROA	<u>ad, mon</u>	TD42
TVDE		AUGLK	CASING	SAM		CORE DF	-ix.	LINE & STA		HOLE	NU.	1913
								LINE & STA.	GROUND WATER OBSER	VATIONS	START DATE	10/9/20
SIZE I.D								N. COORDINATE	AT NONE FT. AFTER 0	HOURS		
								E. COORDINATE	AT FT. AFTER	HOURS	FINISH DATE	10/9/20
HAMIMI	TALL	S AM			1							
DEPTH	NO.	BLOWS/6"	DEI	РТН	A			SIRAIUM	+ REMARKS			ELEV.
0							-∖TOI	PSOIL			0	.40
						-		HT BR.FINE-MED.SAND, SO	OME SILT, LITTLE GR	AVEL,		1.5
							LIG	GHT BR.SILT, LITTLE FINE SA	AND			
						-						
5 -												
							LIG	GHT BR. SILT, LITTLE FINE S	AND, FEW BOUDLERS	3		6.0
							BO	TTOM OF TEST PIT @ 8.0'			;	8.0
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LEGE	ND: COL	. A:	AUCED C	COPE 1		סיייייייייייייי	DICT	ON S-SDI IT SDOON	DRILLER: INSPECTOR: T. CZMY	R		
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	SOME=2	20-35%	6 AND=35-50%	SHEET 1 OF 1	HOLE NC	).	TP13

			10220		CLIE	NT		PROJECT NAME PROPOSED APART	MENT BL	ILDINGS	AT VILLAGE
P.O.	BOX 397	T VVELII <i>F</i> 7	43300.,1	INC.				LOCATION			
GLAS	STONBU	RY, CONN	06033					LOCATION			
		AUCED	CASDIC	C A M (D)			JREIRO ASSOCIATES	VILLAGE APARTN SURFACE ELEV.	<u>IENT RO</u>	AD, MONT	VILLE, CT
		AUGER	CASING	SAMP	LEK	CORE BA			HOLE	NO.	TP14
TYPE							LINE & STA.	GROUND WATER OBSER	VATIONS	START	10/9/20
SIZE I.D	•						N. COORDINATE	AT 6.5 FT. AFTER C	HOURS	DATE	
HAMME	ER WT.						E. COORDINATE	AT FT. AFTER	HOURS	FINISH	10/9/20
HAMME	ER FALL									DATE	
DEPTH	NO	SAM	PLE	DTU	A		STRATUM	DESCRIPTION			ELEV.
0	NO.	BLOWS/0	DEI	PIH			TOPSOIL	+ KEWAKKS		0.5	0
					-		BR.FINE-CRS.SAND, SOME GF	RAVEL, FEW COBBLE	S &		00
						-	BOULDERS, TRACE SILT				
						_					
						_			<b>C 0</b>	4	.0
5 -							BOUDLERS TRACE SILT	RAVEL, FEW COBBLE	.5α		
										8	.0
							BOTTOM OF TEST PIT @ 8.0'				···
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LEGEN	ND: COL	.A:						DRILLER: INSPECTOR: T. CZM	′R	_	
SAMPI PROP(	LE TYPE DRTIONS	: D=DRY A= SUSED: TRA	ACE=0-10%	CORE U: LITTLE=	=UNDI 10-20%	STURBED	PISTON S=SPLIT SPOON 0-35% AND=35-50%	SHEET 1 OF 1	HOLE NC	). <b>1</b>	P14

CLA	RENCE		ASSOCI	INC.	CLIE	NT		PROJECT NAME PROPOSED APART	MENT BU	JILDINGS	AT VILLAGE
P.O.	BOX 397	7						LOCATION			
GLAS	STONBU	IRY, CONN	06033			10					
		AUGER	CASING	SAMP	LER	CORE B.	AR. OFFSET	SURFACE ELEV.	HOLE	NO	TP15
TYPE							LINE & STA.		HOLL		11 15
SIZE LD								GROUND WATER OBSER	RVATIONS	START DATE	10/9/20
HAMME	ER WT.						N. COORDINATE	AI 0.3 FI. AFIER C	HOURS	EDUGU	
HAMME	ER FALL						E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/9/20
DEDTU		SAM	PLE	1			STRATUM	DESCRIPTION		1	
DEPTH	NO.	BLOWS/6"	' DEI	PTH	A			+ REMARKS			ELEV.
0							\TOPSOIL BR FINE-CRS SAND, SOME GE		S &	0.	25
							BOULDERS, TRACE SILT		Ju		
											8.8
5-							BOUDLERS, TRACE SILT	RAVEL, FEW COBBLE	.5 α		
Ŭ											
										8	3.0
						_	BOTTOM OF TEST PIT @ 8.0'				
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CAMPI	ND: COL.	.A:		CODE U		CTUDDED	DISTON S-SDI IT SDOON	DRILLER: INSPECTOR: T.CZMY	R		

CLA			ASSOC I	INC.	CLIE	NT			PROJEC PROPO	T NAME SED APAR1	MENT BL	JILDINGS	AT VILLAGE
P.O.	BOX 397	7							LOCATI	ION			
GLAS	STONBU	IRY, CONN	06033			10			VILLA				
		AUGER	CASING	SAMP	LER	CORE B	AR.	OFFSET	SURFACE	ELEV.	HOLE	NO	TP16
TYPE								LINE & STA.			HOLL		11 10
SIZE I.D	).								GROUNI	O WATER OBSE	RVATIONS	START DATE	10/9/20
HAMME	ER WT.							N. COORDINATE	AI 7.0	FI. AFIER	JHOURS	EDUGU	
HAMME	ER FALL							E. COORDINATE	AT	FT. AFTER	HOURS	DATE	10/9/20
DEDENI		SAM	PLE	1				STRATUM I	DESCRIPT	TION			EL EL
DEPTH	NO.	BLOWS/6"	' DEI	PTH	A		-		+ REMA	RKS			ELEV.
0								PSOIL RK BR FINE-MED SAND, SO		FEW COBB	IES TRA		.50
							RO	OTS	ME OILT,		220, 1101	02	
							:						
							GR	EY BR.FINE-MED.SAND AND	O SILT				3.5
5 -													
Ũ													
							GR	EY/BR.FINE-CRS.SAND, LIT	TLE SILT	& GRAVEL,	FEW		6.5
							CO	BBLES					8.0
					<u> </u>	_	BO	TTOM OF TEST PIT @ 8.0'				·	
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LEGEI Sampi	ND: COL	A: D=DRY A:	=AUGER C=4	CORE U	UNDI	STURBED	) PISTO	ON S=SPLIT SPOON	DRILLER: INSPECTO	DR: T.CZMY	′R		
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	6 SOME=2	20-35%	6 AND=35-50%	SHEET 1	OF 1	HOLE NO	).	TP16

	RENCE		ASSOC		CLIE	NT		PROJECT NAME PROPOSED APART	MENT BL	JILDINGS	AT VILLAGE
P.O.	BOX 397	7						LOCATION	111		
GLAS	STONBU	IRY, CONN	06033								
		AUGER	CASING	SAMP	LER	CORE B	AR. OFFSET	SURFACE ELEV.		NO	TD17
TYPE							LINE & STA		HOLE		1111
SIZE LD								GROUND WATER OBSER	RVATIONS	START DATE	10/9/20
HAMME	FR WT						N. COORDINATE	AT NONE FT. AFTER U	) HOURS		
HAMME	ER FALL						E. COORDINATE	AT FT. AFTER	HOURS	DATE	10/9/20
		SAM	PLE				STRATU	M DESCRIPTION			
DEPTH	NO.	BLOWS/6"	' DEI	PTH	A			+ REMARKS			ELEV.
0										0	17
							COBBLES & BOULDERS, TR	ACE ROOTS			
											1.0
Б —							BR.FINE-CRS.SAND, LITTLE	SILT & GRAVEL, FEW C	OBBLES	&	+.0
5							BOOLDENS, MACE NOOTS				
											7.0
							BOTTOM OF TEST PIT @ 8.0	' (REFUSAL ON BOULD	ER)		<u></u>
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LEGE	ND: COL	A:	-AUGER C-4	CORE II	יסאון	STURBED	PISTON S-SPI IT SPOON	DRILLER: INSPECTOR: T.CZMY	Ŕ		
PROP	ORTIONS	S USED: TR	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	0-35% AND=35-50%	SHEET 1 OF 1	HOLE NO	).	TP17

	RENCE	- WELTLA	ASSOC	INC	CLIE	NT			PROJECT NAME PROPOSED APART	MENT BU	ILDING	S AT VILL	AGE
P.O.	BOX 397	7	10000., 1						LOCATION				
GLAS	STONBU	RY, CONN	06033									T\/II   E	ст
		AUGER	CASING	SAMP	LER	CORE B	AR.	OFFSET	SURFACE ELEV.	HOLE	<u>NO</u>	TP18	
TYPE								LINE & STA.		HOLL		11 10	
SIZE I.D									GROUND WATER OBSER	VATIONS	START DATE	10/12/20	C
HAMME	ER WT.							IN. COORDINATE	AT ET AFTER	HOURS	FINISH		
HAMME	ER FALL							E. COORDINATE	AI FI.AFIEK	HOUKS	DATE	10/12/20	0
DEPTH		SAM	PLE					STRATUM I	DESCRIPTION			FU	EV
	NO.	BLOWS/6'	DEI	PTH	Λ		то		+ REMARKS				L V.
Ŭ						_	_ <u>10</u> BR	R.FINE-CRS.SAND AND GRA	/EL, SOME COBBLES	TRACE	0	.50	
						_	SIL	_T					
						_							
						_							
5 -						_							
						_						6.0	
							DR	CFINE-WED.SAND, TRACE SI	LI & GRAVEL				
							BO					8.0	
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LEGEI SAMP	ND: COL. LE TYPE	A: : D=DRY A:	=AUGER C=	CORE U	=UNDI	STURBED	PIST	TON S=SPLIT SPOON	INSPECTOR: T. CZMY	R			
PROP	ORTIONS	SUSED: TR	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	20-359	% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	TP18	

CLA	RENCE		ASSOCI	NC.	CLIE	NT			PROJECT NAME PROPOSED APARTI	MENT BU	ILDING	S AT	VILLAGE
P.O.	BOX 397	7	10000., 1						LOCATION	III			
GLAS	STONBU	RY, CONN	06033			10						IT\/II	IE CT
		AUGER	CASING	SAMP	LER	CORE B.	AR.	OFFSET	SURFACE ELEV.	HOLE	<u>NO.</u>	TP	19
TYPE								LINE & STA.					
SIZE I.D									GROUND WATER OBSER	VATIONS	START DATE	10/	2/20
HAMME	ER WT.							N. COORDINATE	AT ET AFTER	HOURS	FINISH		
HAMME	ER FALL							E. COORDINATE	AI FI.AFIEK	HOUKS	DATE	10/	2/20
DEDTH		SAM	PLE					STRATUM I	DESCRIPTION				FLEV
	NO.	BLOWS/6"	' DEI	РТН	A		- <b>T</b> O	2200	+ REMARKS		0	25	ELEV.
0								<u>DPSOIL</u> R.FINE SAND AND SILT, TRAC	CE ROOTS - FILL		0	.25	
						_							
							-		-			4.0	
5 -							GF	<u>ARK BR.FINE SAND AND SILT</u> REY FINE SAND AND SILT				4.3	
											_	8.0	
						_	BC	DITOMOFTEST PIT @ 8.0					
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LEGE	ND: COL	. A:	-AUGER C	CODE II		CTUDDED	יסזם ו		DRILLER: INSPECTOR: T. CZMY	R			
PROP	ORTIONS	S USED: TR.	ACE=0-10%	LITTLE=	10-20%	5 SOME=2	20-359	% AND=35-50%	SHEET 1 OF 1	HOLE NC	).	TP1	9









Proposed Apartment Buildings at Village III Village Apartment Road, Montville, CT

Falling Head Permeability Test 10/26/20

Sample #	Permeability (ft/day)	Sample #	Permeability (ft/day)
TP-1, 5'-8'	109	TP-11, 5'-8'	3.2
TP-2, 5'-8'	9.1	TP-12, 3.5'-8'	1.1
TP-3, 4'-8'	86	TP-13, 1.5'-6'	2.9
TP-4, 4'-9'	155	TP-14, 6"-4'[	97
TP-5, 4.5'-8'	243	TP-15, 3"- 3.8'	332
TP-6, 5'-8'	86	TP-16, 6.5' - 8'	16
TP-7, 4.5'-8'	39	TP-17, 4'-7'	20
TP-8, 4'-8'	49	TP-18, 6"-6'	112
TP-9, 5'-8'	194	TP-19, 4.3'-8'	0.68
TP-10, 5'-8.5'	5.6		

# **APPENDIX 2**

# SCHEMATIC OF STONE WEDGE AND UNDER DRAIN AT CUT SLOPES







Ms. Liz Burdick Town Planner 310 Norwich-New London Tpke, Uncasville, CT 06382

RE: Village Apartments Phase III CLA-6314T

Dear Liz:

We have reviewed the plans and supporting material submitted for the proposed expansion of the Village Apartments – Phase III on Jerome Road. We note the following comments:

- 1. There are three "dead-end" parking areas, assigned parking and signage is necessary.
- 2. Pedestrian access from these parking areas and to Jerome Avenue and within the Apartment complex must be provided.
- 3. There is a proposed walk at the northeast corner of the site which must be extended to Route 92 within the easement area.
- 4. The handicap ramps must be concrete to accommodate the detectable warning strips.
- 5. The handicap ramps must be updated to current CT DOT Standards.
- 6. Access from the ends of Bldg. A must be provided.
- 7. The concrete and bituminous concrete walks must be clearly distinguished on the plans.
- 8. Walkway from Bldg. B to the dumpster must be extended as needed.
- 9. The proposed clean-out in the dumpster pad seems impractical and should be located in a more accessible and protected area.
- 10. The dumpster gate is indicated to be 19' long per the detail, its swing area must be considered.

- 11. The top and bottom elevation of the proposed retaining walls must be shown at several points.
- 12. The block house and associated waterline are missing on the demolition plan.
- 13. The existing hydrant near Bldg. 2 is not shown (or relocated) on the Layout and Utility Plan.
- 14. Estimates for cut and fill quantities for the site work must be provided.
- 15. Notes regarding the blasting on site must be provided. The rock cut legend on the E&S plan must be defined.
- 16. The note referring to a new sign to replace existing sign on Jerome Ave. is confusing.
- 17. Exterior lighting must be shown.
- 18. Spot elevations at appropriate parking lot corners must be provided, the 82 contour is missing in the parking area at the east end of Bldg. C.
- 19. The proposed parking area and two-way traffic at Building 2 requires an island or other traffic calming methods.
- 20. The landscaping and ledge area must be coordinated.
- 21. A bituminous concrete walk detail must be provided on the plans.
- 22. Test hole information for Holes 4 & 5 must be shown on Sheet 2.
- 23. The rip rap swale detail must be enhanced.
- 24. The exposed wall surface of the retaining wall must be noted on the plans.
- 25. Jerome Ave. has a low slope in front of the proposed access drive. An additional catch basin at the proposed drive is necessary to prevent ponding. The existing catch basin(s) in Jerome Ave. must be rebuilt if connected to by new culvert(s). The existing drainage system in Jerome Ave. ponds due to the low slope of the culverts. Connection of the Infiltrator 1 to CB 7 or to an outlet below the existing drive to Jerome Road must be investigated.

- 26. The existing drainage at Bldg. 1 outflows directly into wetlands using two curb cuts in the existing access drive, it appears that installing the curb cut at the northwest end of the existing parking area would allow existing drainage to run overland for about 40 feet which would improve the situation.
- 27. Fig. 4 in the drainage report is illegible.
- 28. Access to the rear of Bldg's A & B must be less restricted by flattening the proposed 3 to 1 slopes. The area behind Bldg. A must be 15' wide as a minimum prior to the steep sloping.
- 29. An E&S Bond Estimate must be provided for review.

Very truly yours,

Thomas L. Cummings, P.E.

TLC:bab

cc: Donald Bourdeau

