

ENGINEERS OFFICE
Stanley H. Kellerhouse Municipal Building
One Van Wyck Street
Croton-on-Hudson, NY 10520.2501

Mayor
Brian Pugh
Trustees
Ann Gallelli
Sherry Horowitz
John Habib
Len Simon
Manager
Janine M. King
Treasurer
Sandra Bullock
Engineer/Building Inspector
Daniel F O'Connor, P.E., CEO
Asst. Engineer/Asst. Building Inspector
Ronald Wegner, P.E., CEO
Assessor
Thomas Waitkins, IAO
Fire Inspector
Peter Anfiteatro, CEO
Office Manager
Ronnie Rose, M.S.

MEMORANDUM

Date: 12/8/20
To: Mayor Pugh and Village Trustees
Janine King, Village Manager
From: Daniel O'Connor, P.E., Village Engineer
Subject: 25 South Riverside Ave. – Boring Logs

Attached are the boring logs for the 2 borings that were successfully completed at 25 South Riverside Ave. in July of 2020. The borings indicate that the soil is outwash type soil consisting of various fractions of sands and gravels with cobbles mixed in. The ground water table is approximately 5 feet above the Hudson River water level so will not interfere with the construction on site that will be fairly shallow in depth. The design of the retaining walls will be a critical feature with more specific information on the design of these retaining walls being reviewed during Planning Board site plan approval process. The applicant indicated during the public hearing on 12/7/20 that additional engineering and study (borings, etc.) will be conducted during detailed design work on the building.

The borings indicate that there is no bedrock encountered so blasting and other forms of rock excavation will not be required.

Enc. (boring logs)

cc: Linga Whitehead, Village Attorney, w/enc.
File w/enc.

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: M&S Ironworks c/o Ralph Rossi- RMA Development, LLC						SHEET <u>1</u> OF <u>1</u> HOLE NO. B-1 (550X)			
		PROJECT NO. G101-1548-20						BORING LOCATIONS per Plan			
		PROJECT NAME 25 South Riverside Avenue									
FOREMAN - DRILLER PD/ak		LOCATION Croton on Hudson NY									
INSPECTOR		TYPE		CASING HSA	SAMPLER SS	CORE BAR	OFFSET				
GROUND WATER OBSERVATIONS AT <u>21'</u> FT AFTER <u>0</u> HOURS AT <u></u> FT AFTER <u></u> HOURS		SIZE I.D. HAMMER WT. HAMMER FALL		4 1/4"	1 3/8"	140#	BIT	DATE START 7/7/20 DATE FINISH 7/7/20 SURFACE ELEV. GROUND WATER ELEV.			
DEPTH	CASING BLOWS PER FOOT	SAMPLE				BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12 - 18		CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC.						
5		1	ss	18"	14"	2'0"	3		dry/moist	3"	Asphalt
							5	9	loose		Lt brn FMC sand and F grvl , cobble - 2'6"
		2	ss	24"	16"	4'0"	8	25	dry/moist	3'0"	
							36	11	v dense		Lt Brn VFF sand
		3	ss	24"	20"	6'0"	6	12	dry/moist		
							14	16	compact		Lt Brn FMC sand lit F grvl
		4	ss	24"	18"	8'0"	16	16	dry/moist		
							11	12	compact		
10		5	ss	24"	18"	12'0"	6	10	v moist		SAME
							16	18	compact		
15		6	ss	24"	20"	17'0"	8	21	v moist		Lit cobble
							34	24	v dense		Lt gry FMC sand F-C grvl
20		7	ss	24"	18"	22'0"	9	19	wet	21'0"	Gry FMC sand lit F-C grvl
							22	19	dense		
											Gry FMC sand F-C grvl
25		8	ss	24"	20"	27'0"	11	23	wet		Gry/lit brn FMC sand F-C grvl lit cobble
							22	30	dense		
30		9	ss	24"	20"	32'0"	12	14	wet		Lt Brn/gry FMC sand F-C grvl lit cobble
							15	21	compact		
35		10	ss	24"	20"	37'0"	10	17	wet		Brn FMC sand
							38	41	v dense		Cobbles @36'0" trace boulders lit silt
40							8	13	wet		Gry FMC sand F-C grvl
									compact		Lit cobble silt
		11	ss	24"	18"	42'0"	17	21			E.O.B 42'0"
NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.											
GROUND SURFACE TO _____ FT. USED _____ CASING THEN _____ CASING TO _____ FT.										HOLE NO. B-1	
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE											

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: M&S Ironworks c/o Ralph Rossi- RMA Development, LLC		SHEET <u>1</u> OF <u>1</u> HOLE NO. B-3 (550X)	
		PROJECT NO. G101-1548-20			
		PROJECT NAME 25 South Riverside Avenue		BORING LOCATIONS per Plan	
FOREMAN - DRILLER PD/ak		LOCATION Croton on Hudson NY			
INSPECTOR		TYPE SIZE I.D. HAMMER WT. HAMMER FALL		CASING HSA 4 1/4" SAMPLER SS 1 3/8" CORE BAR 140# BIT 30" OFFSET DATE START 7/7/20 DATE FINISH 7/7/20 SURFACE ELEV. GROUND WATER ELEV.	
GROUND WATER OBSERVATIONS AT <u>16</u> FT AFTER <u>0</u> HOURS AT <u> </u> FT AFTER <u> </u> HOURS					

DEPTH	CASING BLOWS PER FOOT	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12- 18			CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC	DEPTH @ BOT							
5		1	ss	24"	8"	2'0"	1	3			dry	6"	Topsoil
							6	6			loose		Lt Brn VFF sand sm F-C grvl
		2	ss	24"	15"	4'0"	5	6			dry		
							5	5			compact		Lt gry/brn FMC sand F-C grvl lit cobbles
		3	ss	24"	14"	6'0"	4	22			moist		
10							39	19			v dense		Lt Brn FMC sand F-C grvl
		4	ss	24"	18"	8'0"	15	14			moist		
							16	15			compact		
15		5	ss	24"	18"	12'0"	5	11			v moist		Lt Brn FMC sand sm F-C grvl
							14	15			compact		
20		6	ss	24"	18"	17'0"	8	12			wet		Lt Brn FMC Sand and F-C grvl
							16	19			compact		
25		7	ss	24"	17"	22'0"	4	6			wet		Lt Brn/ gry FMC sand F-C grvl
							10	13			compact		
30		8	ss	24"	18"	27'0"	7	12			wet		Lt Gry/ Lt brn VFFMC sand and F-C grvl
							14	15			compact		
35		9	ss	24"	20"	32'0"	7	11			wet		lit cobbles
							14	16			compact		Lt gry/ Lt brn VFF sand & F-C sand lit cobbles
40		10	ss	24"	19"	37'0"	7	12			wet	34'	some cobbles
							16	29			compact	36'6"	
													Lt Gry VFFM sand F grvl lit silt
													Sm cobbles Boulders
													Lt Gry VFFMC sand Silt F-C grvl cobbles
		11	ss	11"	11"	40'11"	39	100/5"			dense		E.O.B. 40'11"

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____ FT. USED _____ CASING THEN _____ CASING TO _____ FT.		HOLE NO. B-3
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE		

17-31

FORMERLY
LIBERTY STREET CORP.
N/F MOHENFORMERLY
R. NUGAL
N/F MAF REALTYFORMERLY
FINN
N/F SOCHURENFORMERLY
S. GUNDERSEN
N/F LISSFORMERLY
HUDSON VALLEY TIMBER CORP.
N/F HUDSON VALLEY VENTURES5 ft. Wide Drainage Easement
as shown on Survey Prepared
By W.A. Slater L.S.VACANT
LOTFORMERLY
S. GIORDANO
N/F APELLONIO

REMAINS OF TIMBER RETAINING WALLS

WOOD PLATFORMS
A.C. UNDER
TWO STORY
CONCRETE BLOCK BUILDING
ONE STORY
CONCRETE BLOCK BUILDINGCONCRETE
ASPHALTGIVEN LOW FENCE ATOP
RETAINING WALL

PARKING

LOT

(20-30' Max Depth)
B-1 (3'-6" OFF WALL)

- 1. ENCROACHMENTS BELOW GRADE AND/OR SUBSURFACE FEATURES, IF ANY, NOT LOCATED OR SHOWN HEREON.
- 2. SURVEY IS SUBJECT TO ANY STATE OF FACTS WHICH AN UP-TO-DATE TITLE EXAMINATION MAY DISCLOSE.
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- 7. THIS MAP WAS PREPARED FROM AN ACTUAL FIELD SURVEY CONDUCTED ON THE DATE SHOWN AND THAT SAID SURVEY WAS PERFORMED IN ACCORDANCE WITH THE EXISTING "CODE OF PRACTICE FOR LAND SURVEYS" ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

PREPARED FOR

SOUTH

RIVERSIDE

DRIVE

6. PREMISES ARE DESIGNATED ON THE TAX MAPS FOR THE TOWN OF CORTLANDT / VILLAGE OF CROTON ON HUDSON MAP 79.60 - BLOCK 5 - LOT 46.99 and 80. PROPERTY AREA = 39,261 Sq. Ft. Address: 25 SOUTH RIVERSIDE AVENUE

7. THE PREMISES SHOWN HEREON BEING THE SAME AS DESCRIBED IN CONTROL NO. 42114668 AND FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE DIVISION OF LAND RECORDS THE SAME AS DESCRIBED IN LIBER 1715 C.P. 427

SURVEY OF PROPERTY
SITUATE IN THE
TOWN OF CORTLANDT
VILLAGE OF CROTON ON HUDSON
WESTCHESTER COUNTY
NEW YORK



Graphic Scale

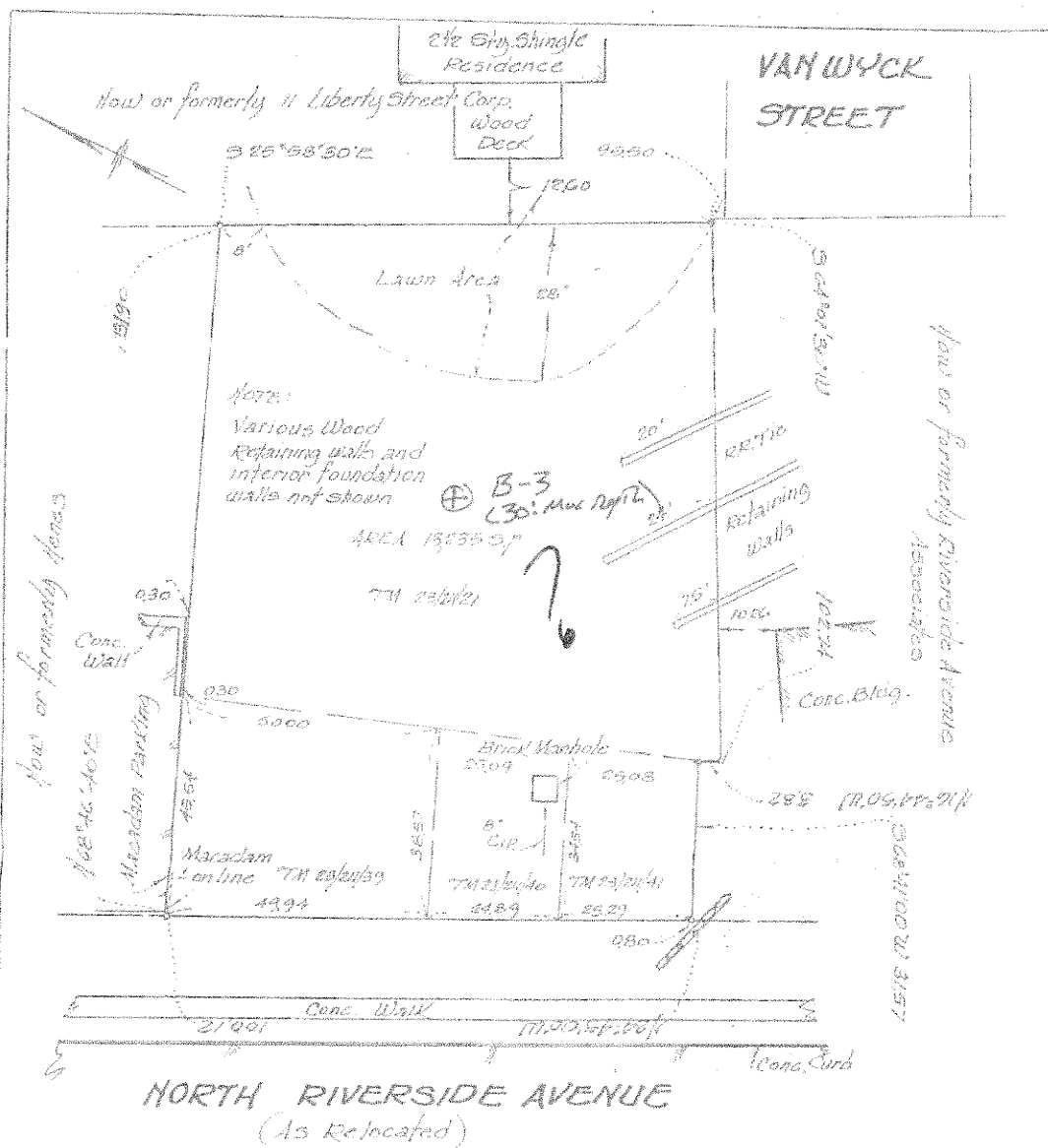
SCALE: 1" = 20'
SURVEYED: SEPTEMBER 1, 2017



JOSEPH R. LINK
NEW YORK STATE LICENSED
LAND SURVEYOR NO. 18064H

NEW YORK STATE LICENSED
LAND SURVEYOR SEAL

Phone: 914-641-1445 Web: <http://jrlsurveying.com>



SURVEY OF PROPERTY
 SITUATE IN THE
VILLAGE OF CROTON-ON-HUDSON
 TOWN OF CORTLANDT
 WESTCHESTER CO., N.Y.
 PREPARED FOR
LUCIA APOLLONIO
 SCALE 1" = 20'

subsurface structures, easements and utilities
 not shown, may exist.

"All certifications hereon are valid for the map and
 copies thereof only if said map or copies bear the
 impressed seal of the surveyor whose signature appears
 hereon."

certifications shall run only to those
 individuals and institutions shown hereon
 under the title policy number shown above.
 said certifications are not transferable.

See Liber 8204-Pg 215

20. 7. 2. 1/2 10. 2. 2. 1/2 10

Surveyed Oct. 5, 1999
 W. A. Slater
 W. A. Slater Ch. P.L.S.
 Ossining, New York