

March 25, 2021

Rockland ALP Realty, LLC
32 Pine Tree Drive
Poughkeepsie, NY 12603

Attn: Mr. Jacob Reckess
P: (845) 797-8578
E: jreckess@pazhealth.com

Re: Addendum No. 1 to Geotechnical Engineering Report
LDor Assisted Living
152 W. Clarkstown Road
New City, New York
Terracon Project No. JB205188

Dear Mr. Reckess:

Terracon Consultants – NY, Inc. (Terracon) is submitting this Addendum to our Geotechnical Engineering Report (Terracon Project No. JB205188 dated October 26, 2020). The Scope of Services for this addendum included the observation of five test pits (excavated by others) to depths ranging from about 1 to 10 feet below existing site grades, laboratory testing on bulk samples retrieved from the test pits, and recommendations for use of the on-site native soils as a source of Structural Fill.

Test Pit Observations

At the locations of the test pits, the site was mantled with between about 2 to 6 inches of topsoil. Fills were not encountered in the test pits performed. Beneath the topsoil, native soils consisting of glacial till classifying as silty sand with gravel, occasional cobbles and boulders were encountered through the test pit termination depths.

Groundwater observations and measurements were made during excavation and as the test pits were completed as noted on the logs. It should be understood these measurements may not reflect the actual groundwater depths because adequate time did not pass upon completion of the excavation for groundwater to achieve a static level in the excavations.

Measurable ground water was encountered at depths ranging between about 1 to 5 feet below existing grades during test pit excavations and between about 7 and 7.5 feet upon completion. At the location of test pit TP-3, a perched water condition was encountered as evidenced by a steady flow of water entering into the excavation about a depth of 1 foot below grade. Due to the flow of water, the test pit was unable to be excavated deeper and was abandoned. These groundwater



Addendum No. 1 to Geotechnical Engineering Report

LDor Assisted living ■ New City, New York

March 25, 2021 ■ Terracon Project No. JB205060



conditions appear seasonal in nature and likely due to recent snow melt. Dewatering is a means and methods consideration for the contractor.

Re-use Of On-site Soils

Based on the results of limited laboratory testing performed and our observation of the soil samples collected, it is our professional opinion that the native site soils are not suitable for reuse as Structural Fill. Due to their fines content, these materials will be especially sensitive to moisture variations which may render them unworkable without adequate drying or treatment with agents such as kiln dust or lime. We recommend the native site soils be reserved for use in landscape areas only or wasted off-site. Importing of Structural Fill meeting the requirements of the **Earthwork** section of our geotechnical report is recommended.

This addendum should be included with and considered a part of Terracon Geotechnical Engineering Report JB205188 dated October 26, 2020. Conclusions and recommendations presented in that report remain applicable to this project.

We appreciate the opportunity to be of continued service to you on this project. If you have any questions concerning this letter or if we may be of further service, please contact us.

Sincerely,

Terracon Consultants-NY, Inc.

John T. Odorisio, P.E.
Sr. Geotechnical Engineer

Joseph Robichaud, Jr., P.E.
Sr. Associate/ Office Manager

Attachments: Exploration Plan
Test Pit Logs
Soil Laboratory Test results (5 Pages)

March 25, 2021 ■ Terracon Project No. JB205188

Page 1 of 1

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS
	<p>Latitude: 41.1359° Longitude: -74.0225°</p> <p>Approximate Surface Elev.: 482 (Ft.) +/-</p> <p>DEPTH</p> <p>ELEVATION (Ft.)</p> <p>0.2 TOPSOIL 482+/-</p> <p>GLACIAL TILL: SILTY SAND WITH GRAVEL (SM), occasoinal cobbles and boulders, brown</p> <p>10.0 472+/-</p>						
	<p>Test Pit Terminated at 10 Feet</p>						

Project No.: JB205188

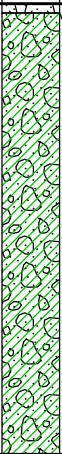

TEST PIT LOG NO. TP-2

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PROJECT: LDor Assisted Living

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY

SITE: 152 W Clarkstown Road
New City, NY

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 41.1359° Longitude: -74.0224° Approximate Surface Elev.: 484 (Ft.) +/- DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS
		0.2' TOPSOIL GLACIAL TILL: SILTY SAND WITH GRAVEL (SM) , occasional cobbles and boulders, brown 9.5'	484 +/- 5 474.5 +/-				
		Test Pit Terminated at 9.5 Feet					

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Bucket with teeth

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).


Notes:
Logged by AEB

Abandonment Method:
Test pit backfilled with spoils upon completion

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were interpolated from a topographic site plan.

WATER LEVEL OBSERVATIONS

 At completion of test pit

Terracon
30 Corporate Cir Ste 201
Albany, NY

Test Pit Started: 03-01-2021

Test Pit Completed: 03-01-2021

Excavator: Mini Excavator

Operator:

Project No.: JB205188

TEST PIT LOG NO. TP-3

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PROJECT: LDor Assisted Living

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY

SITE: 152 W Clarkstown Road
New City, NY

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 41.1357° Longitude: -74.0225° Approximate Surface Elev.: 484 (Ft.) +/-	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS
		DEPTH 0.3 TOPSOIL 483.5+/- 1.0 GLACIAL TILL: SILTY SAND WITH GRAVEL (SM), brown 483+/- Test Pit Terminated at 1 Foot		▽			

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Bucket with teeth

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Logged by AEB

Abandonment Method:
Test pit backfilled with spoils upon completion

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were interpolated from a topographic site plan.

WATER LEVEL OBSERVATIONS

▽ Water was rushing into the excavation at 1'

Terracon

30 Corporate Cir Ste 201
Albany, NY

Test Pit Started: 03-01-2021

Test Pit Completed: 03-01-2021

Excavator: Mini Excavator



Operator:

Project No.: JB205188

Page 1 of 1

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 41.1357° Longitude: -74.0225° Approximate Surface Elev.: 482 (Ft.) +/-	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS
	<div> <div>0.3</div> <div>TOPSOIL</div> <div>GLACIAL TILL: SILTY SAND WITH GRAVEL (SM), occasoinal cobbles and boulders, brown</div> <div>481.5+/-</div> </div>						
	<div> <div>10.0</div> <div>Test Pit Terminated at 10 Feet</div> <div>472+/-</div> </div>						

Advancement Method: Bucket with teeth	See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).	Notes: Logged by AEB	
Abandonment Method: Test pit backfilled with spoils upon completion	See Supporting Information for explanation of symbols and abbreviations. Elevations were interpolated from a topographic site plan		
WATER LEVEL OBSERVATIONS			
 <i>Water seeping in from side walls during excavation</i>		Test Pit Started: 03-01-2021	
 <i>At completion of test pit</i>		Excavator: Mini Excavator	
		Operator:	
		Project No.: JB205188	

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL JB205188 LDOR ASSISTED LIV.GPJ TERRACON_DATA\TEMPLATE.GDT 3/25/21

TEST PIT LOG NO. TP-5

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PROJECT: LDor Assisted Living

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY

SITE: 152 W Clarkstown Road
New City, NY

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 41.1355° Longitude: -74.0223° Approximate Surface Elev.: 488 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS
		DEPTH					
		0.5 TOPSOIL 487.5+/-					
		GLACIAL TILL: SILTY SAND WITH GRAVEL (SM) , occasoinal cobbles and boulders, brown					
		10.0 Test Pit Terminated at 10 Feet 478+/-	10				

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method:
Bucket with teeth

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:
Logged by AEB

Abandonment Method:
Test pit backfilled with spoils upon completion

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were interpolated from a topographic site plan.

WATER LEVEL OBSERVATIONS

- ▽ Water seeping in from side walls during excavation
- ▽ At completion of test pit

Terracon
30 Corporate Cir Ste 201
Albany, NY

Test Pit Started: 03-01-2021

Test Pit Completed: 03-01-2021

Excavator: Mini Excavator

Operator:

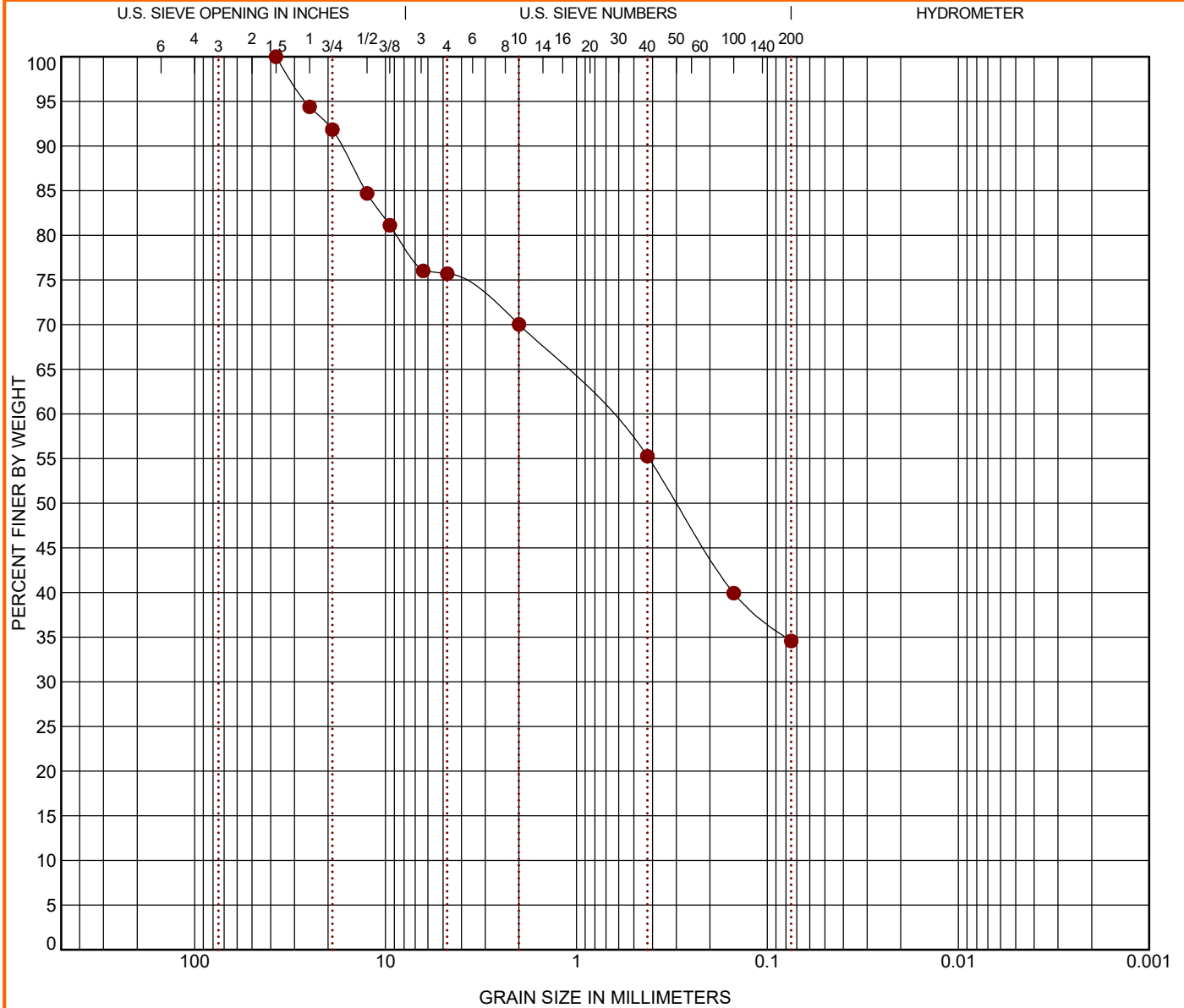
Project No.: JB205188

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL JB205188 LDOR ASSISTED LIV.GPJ TERRACON_DATATEMPLATE.GDT 3/25/21

GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GRAIN SIZE: USCS-2 JB205188 LDOR ASSISTED LIV.GPJ TERRACON_DATATEMPLATE.GDT 3/19/21



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth	USCS Classification				WC (%)	LL	PL	PI	Cc	Cu
● TP-1	3	SILTY SAND with GRAVEL (SM)					NP	NP	NP		

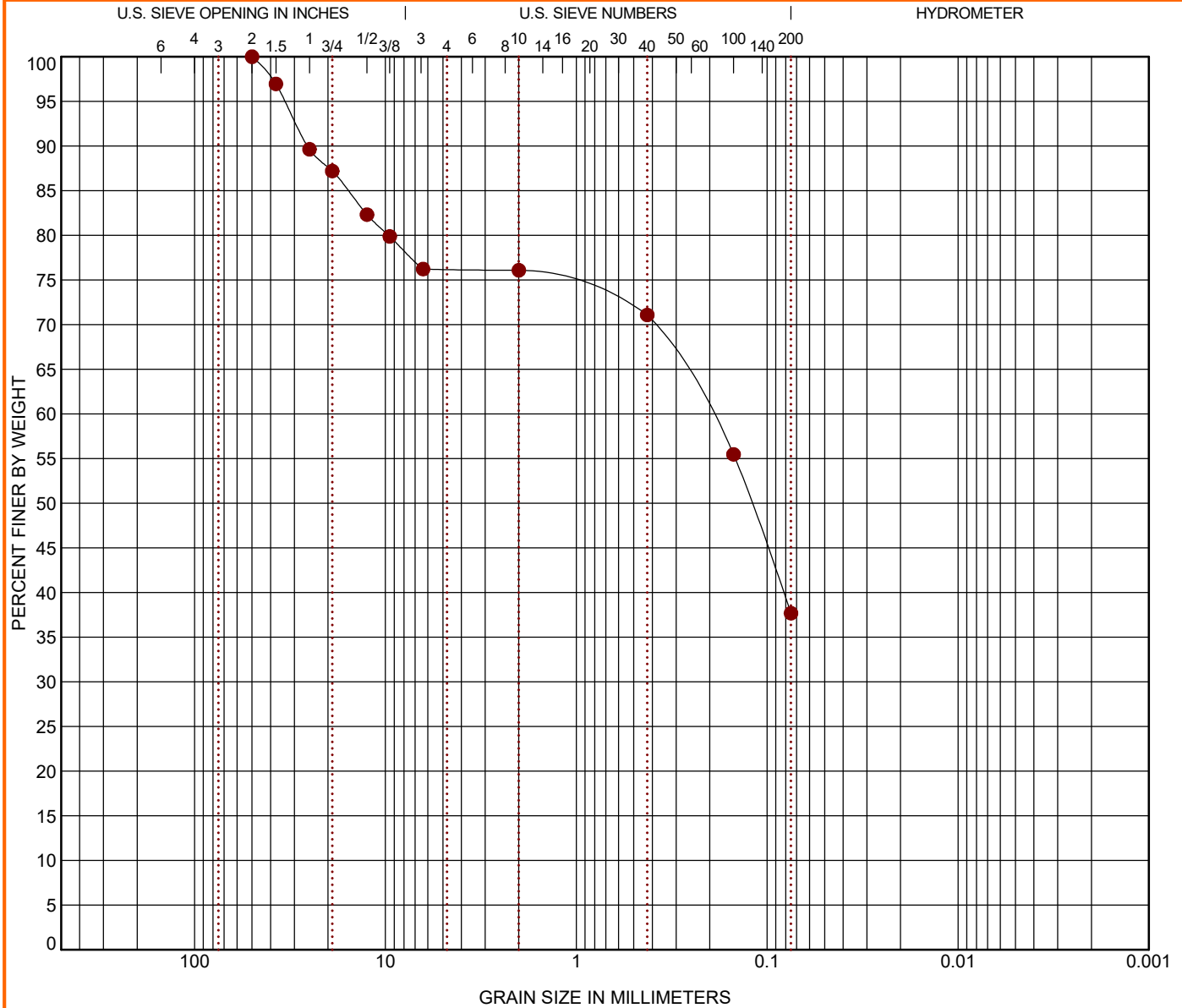
Boring ID	Depth	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Silt	%Fines	%Clay
● TP-1	3	37.5	0.699			0.0	24.3	41.1		34.6	

PROJECT: LDor Assisted Living		<div>Terracon</div> <div>30 Corporate Cir Ste 201 Albany, NY</div>	PROJECT NUMBER: JB205188	
SITE: 152 W Clarkstown Road New City, NY			CLIENT: Rockland ALP Realty LLC Poughkeepsie, NY	

GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GRAIN SIZE: USCS-2 JB205188 LDOR ASSISTED LIV.GPJ TERRACON_DATATEMPLATE.GDT 3/19/21



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth	USCS Classification				WC (%)	LL	PL	PI	Cc	Cu
● TP-2	4	SILTY SAND with GRAVEL (SM)					NP	NP	NP		

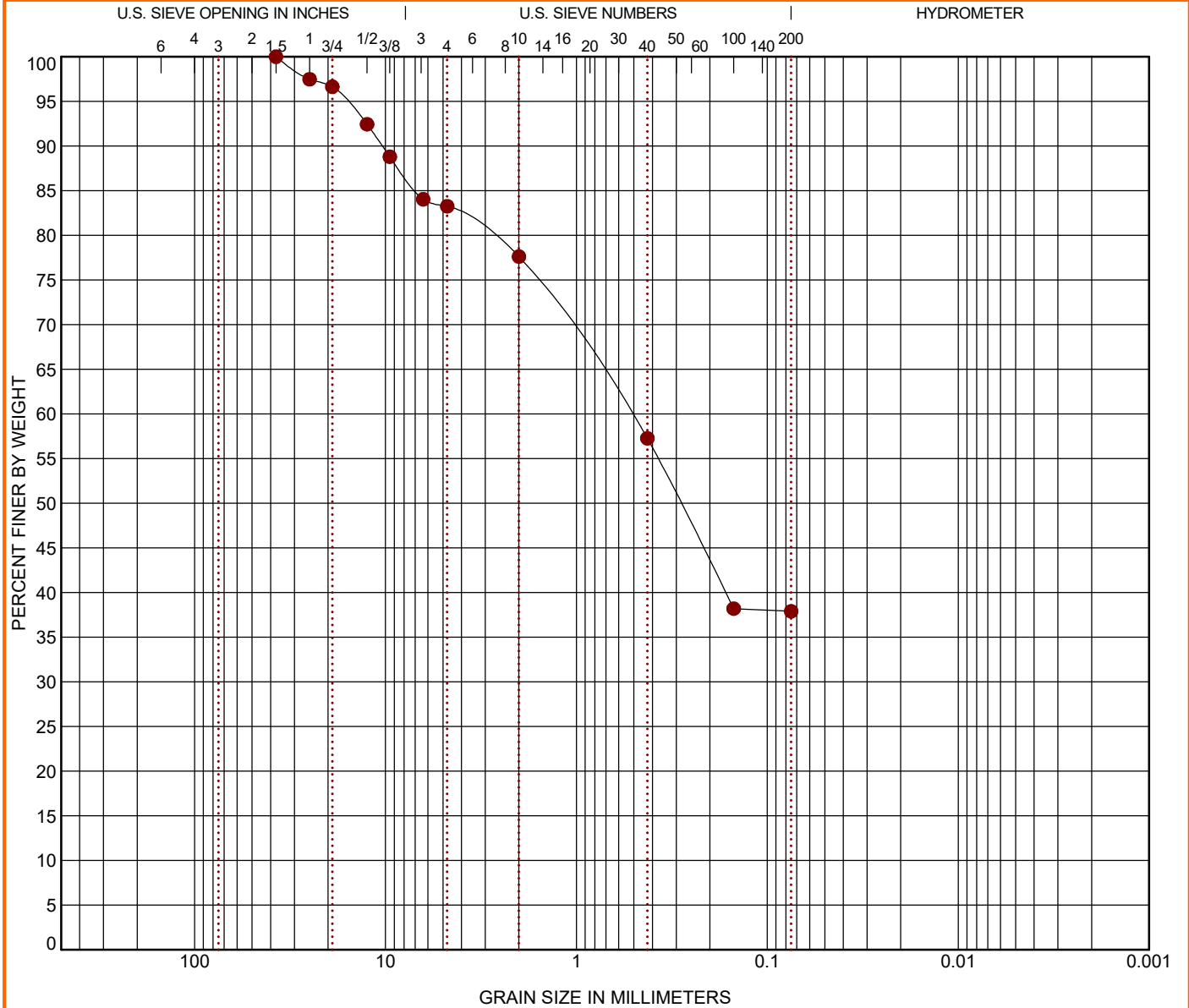
Boring ID	Depth	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Silt	%Fines	%Clay
● TP-2	4	50	0.203			0.0	23.8	38.5		37.7	

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GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136

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COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth	USCS Classification	WC (%)	LL	PL	PI	Cc	Cu
● TP-4	3	SILTY SAND with GRAVEL (SM)		NP	NP	NP		

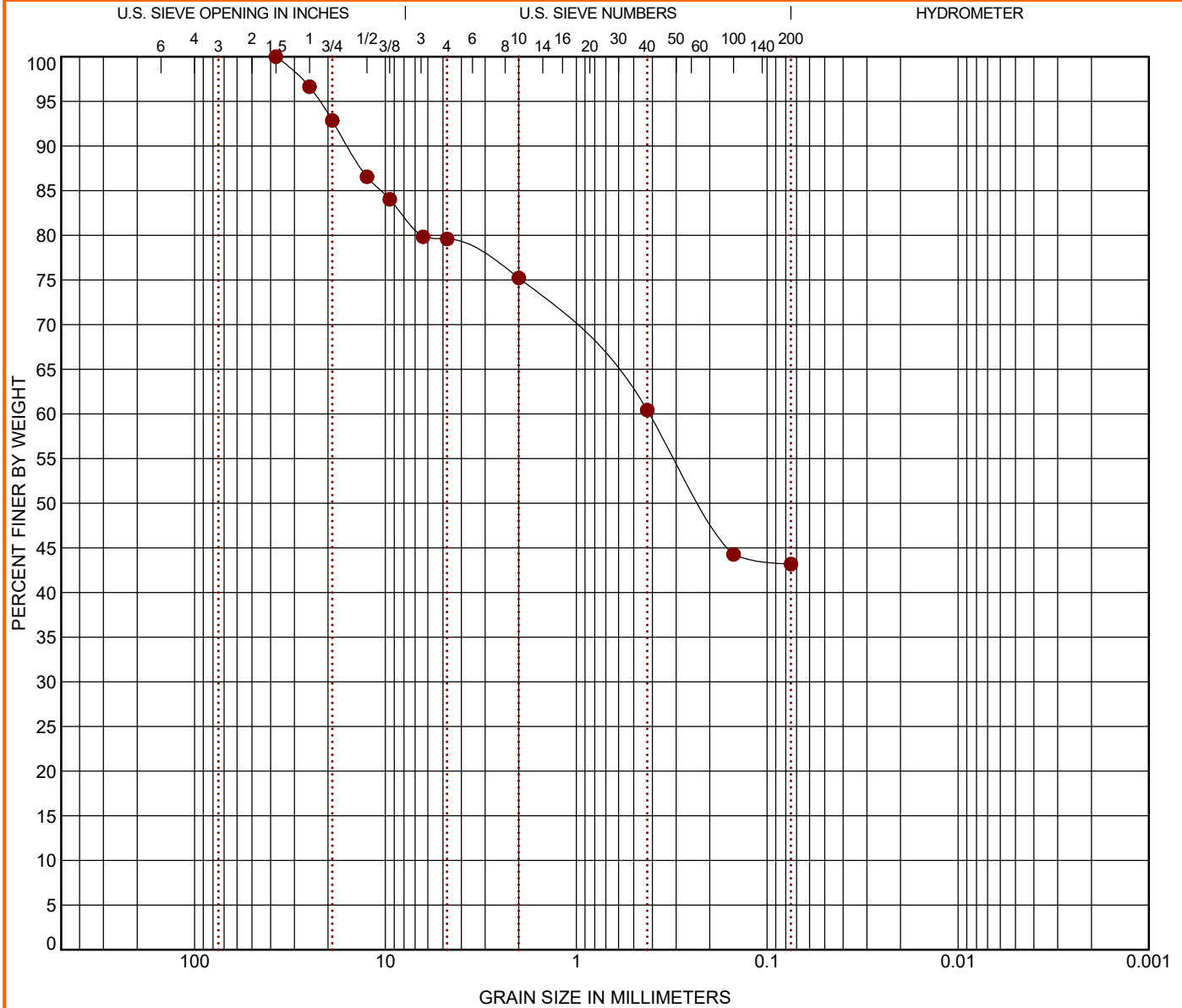
Boring ID	Depth	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Silt	%Fines	%Clay
● TP-4	3	37.5	0.523			0.0	16.8	45.4		37.9	

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GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GRAIN SIZE: USCS-2 JB205188 LDOR ASSISTED LIV.GPJ TERRACON_DATATEMPLATE.GDT 3/19/21



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth	USCS Classification	WC (%)	LL	PL	PI	Cc	Cu
● TP-4	7	SILTY SAND with GRAVEL (SM)		NP	NP	NP		

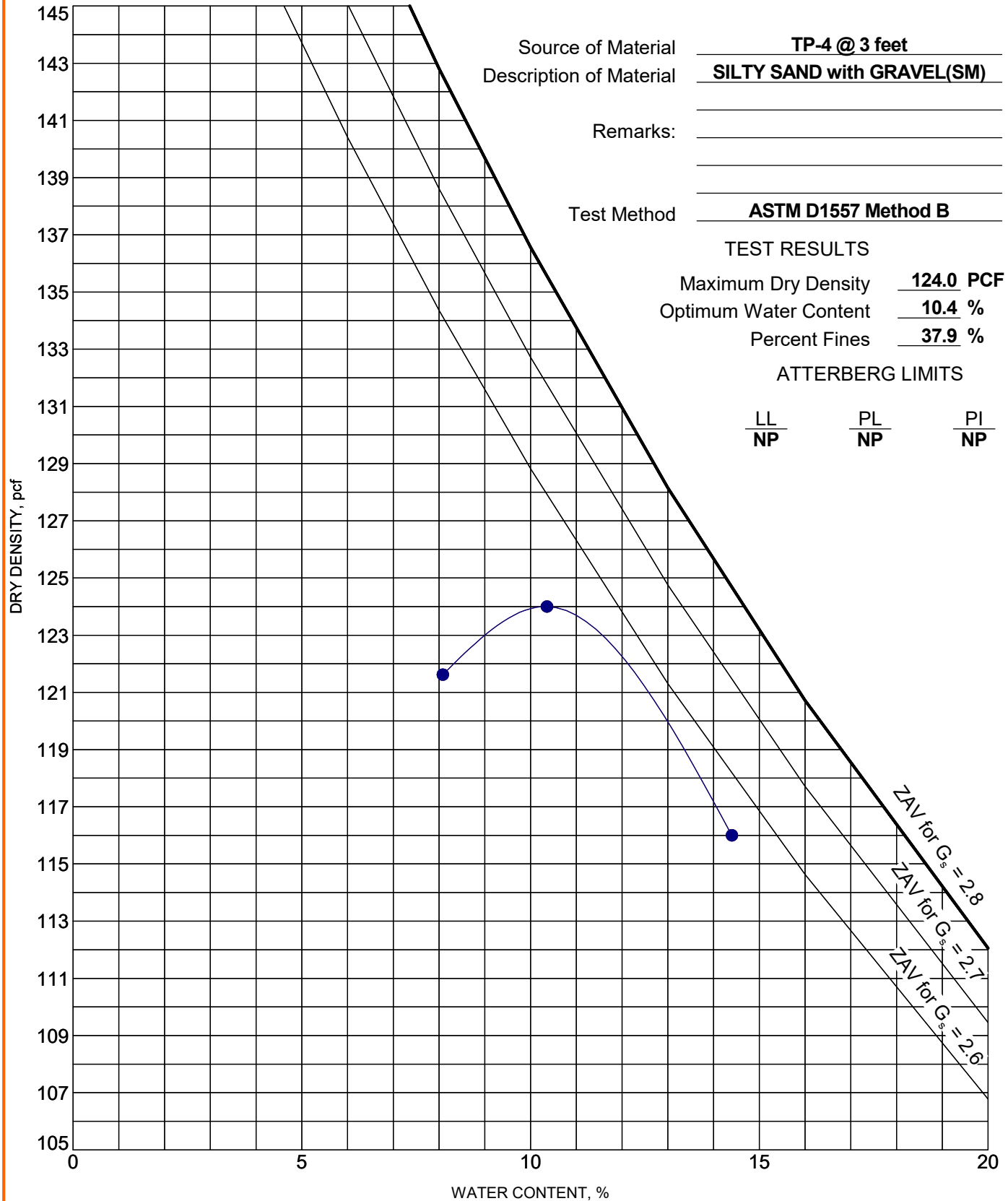
Boring ID	Depth	D ₁₀₀	D ₆₀	D ₃₀	D ₁₀	%Cobbles	%Gravel	%Sand	%Silt	%Fines	%Clay
● TP-4	7	37.5	0.413			0.0	20.4	36.4		43.2	

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MOISTURE-DENSITY RELATIONSHIP

ASTM D698/D1557

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. COMPACTION - V1 JB205188 LDOR ASSISTED LIVING TERRACON DATATEMPLATE.GDT 3/19/21



PROJECT: LDor Assisted Living

SITE: 152 W Clarkstown Road
New City, NY

Terracon
30 Corporate Cir Ste 201
Albany, NY

PROJECT NUMBER: JB205188

CLIENT: Rockland ALP Realty LLC
Poughkeepsie, NY