GEI Consultants

EXPLORATION LOG

SOIL BORING SB-1

Boring Location	South Exterior Parking Lot	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-1 (0-2)	60	30	0.0	0"-6" - CONCRETE 6"-11" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some fill (20%)
2						
3					0.0	11"-24" - SM: ORGANIC SILT Black/Gray silt with organics (100%)
4						
5						
6	S2	SB-1 (6-8)	60	48	0.0	0"-22" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular) 22"-48" - SW: FINE TO COARSE GRADED SAND Brown/Gray fine to medium grained sand (80%) with some silt (20%)
7						
8					0.0	
9						
10						
11	S3	SB-1 (10-12)	60	52	0.0	0"-10" - SW: FINE TO COARSE GRADED SAND Brown/Gray fine to medium grained sand (80%) with some silt (20%) 10"-52" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
12						
13					0.0	
14						
15						

END OF BORING 15-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-2

Boring Location	South Exterior Parking Lot	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-2 (0-2)	60	36	0.0	0"-6" - CONCRETE 6"-11" - FILL/CRUSHED CONCRETE 11"-36" - SM: SILT Brown Silt (100%)
2						
3						
4					0.0	
5						
6	S2		60	60	0.0	0"-12" - SM: SILT Brown Silt (100%) 12"-60" - SM: ORGANIC SILT Black organic Silt (100%)
7						
8						
9		SB-2 (8-10)			0.0	
10						
11	S3		60	60	0.0	0"-12" - CRUSHED ROCK 12"-60" - SW: FINE TO COARSE GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
12						
13						
14					0.0	
15						

END OF BORING 15-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-3

Boring Location	South Exterior Parking Lot	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	10

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-3 (0-2)	60	30	0.0	0"-6" - CONCRETE 6"-30" - SP: FINE GRADED SAND Brown/gray fine grained sand (60%) with some silt (20%) and some fill (20%)
2						
3					0.0	
4						
5						
6	S2		60	30	0.0	0"-12" - SP: FINE GRADED SAND Brown/gray fine grained sand (80%) with some silt (20%) 12"-60" - SM: ORGANIC SILT Black organic Silt (100%)
7						
8					0.0	
9						
10						

END OF BORING 10-feet (Refusal @ 10')

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-4

Boring Location	South Automechanic Shop	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/28/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	20

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-4 (0-2)	60	48	0.0	0"-6" - SP: FINE TO MEDIUM GRADED SAND Black fine to medium grained sand (80%) with some silt (20%) 6"-48" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
2						
3					0.0	
4						
5						
6	S2	SB-4 (6-8)	60	51	0.0	0"-51" - SW: FINE TO COARSE GRADED SAND Tan fine to coarse grained sand (75%) with trace silt (5%) and some fine gravel (20%, subangular)
7						
8					0.0	
9						
10						
11	S3	SB-4 (10-12)	60	48	0.0	0"-20" - SW: FINE TO COARSE GRADED SAND Tan fine to coarse grained sand (75%) with trace silt (5%) and some fine gravel (20%, subangular) 20"-48" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
12						
13					0.0	
14						
15						
16	S3		60	60	0.0	0"-60" - SW: FINE TO COARSE GRADED SAND Brown fine to coarse grained sand (80%) with some silt (20%)
17						
18					0.0	
19						
20						

END OF BORING 20-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-5

Boring Location	Interior Parking Lot Proximate to USTs	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-5 (0-2)	60	24	0.0	0"-6" - CONCRETE 6"-24" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some fill (20%)
2						
3					1.2	
4						
5						
6	S2	SB-5 (6-8)	60	36	1.5	0"-36" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
7						
8						
9					0.5	
10						
11	S3	SB-5 (10-12)	60	54	0.0	0"-26" - SW: FINE TO COARSE GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%) 26"-54" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
12						
13						
14					0.0	
15						

END OF BORING 15-feet

GEI Consultants

EXPLORATION LOG
SOIL BORING SB-6

Boring Location	Interior Parking Lot Proximate to USTs	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-6 (0-2)	60	36	0.0	0"-6" - CONCRETE 6"-12" - RCA 12"-36" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some fill (20%)
2						
3					0.0	
4						
5						
6	S2	SB-6 (6-8)	60	48	0.0	0"-48" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
7						
8						
9					0.0	
10						
11	S3	SB-6 (10-12)	60	54	0.0	0"-12" - SW: FINE TO COARSE GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%) 12"-54" - SP: FINE GRADED SAND Brown fine grained sand (80%) with some silt (20%)
12						
13						
14					0.0	
15						

END OF BORING 15-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-7

Boring Location	Mechanic Storage	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Hand Auger	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Hand Auger
Elevation (End):		**Total Depth (feet):**	5

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1	SB-7 (0-2)	60	60	0.0	0"-6" - CONCRETE 6"-12" - RCA 12"-60" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
2						
3						
4					0.0	
5						

END OF BORING 5-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-8

Boring Location	Basment near hole in the floo	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	12/1/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Hand Auger	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Hand Auger
Elevation (End):		**Total Depth (feet):**	5 (Starting elevation was 8-feet below surface grade

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
9	S1	SB-8 (8-9)	60	60	0.0	0"-60" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
10						
11					0.0	
12						
13						

END OF BORING 13-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-9

Boring Location	Basment Proximate to AST	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/28/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Hand Auger	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Hand Auger
Elevation (End):		**Total Depth (feet):**	5 (Starting elevation was 8-feet below surface grade

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
9	S1	SB-9 (8-9)	60	60	0.0	0"-6" - CONCRETE 6"-60" - SW: FINE TO COARSE GRADED SAND Brown fine to coarse grained sand (80%) with some silt (20%)
10		SB-10 (9-10)				
11						
12					0.0	
13						

END OF BORING 13-feet

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-10

Boring Location	Interior Floor Drain	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/28/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1	SB-10 (0-2)	60	36	40.6	0"-15" - SP: FINE TO MEDIUM GRADED SAND Brown to black fine to medium grained sand (80%) with some silt (20%), moderate hydrocarbon-like odors 15"-30" - SM: ORGANIC SILT Black/Gray silt with organics (100%)
					1.3	30"-36" - SW: FINE TO COARSE GRADED SAND Brown fine to coarse grained sand (80%) with some silt (20%)
6–10	S2	SB-10 (6-8)	60	36	0.9	0"-36" - SW: FINE TO COARSE GRADED SAND Brown fine to coarse grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
					0.5	
11–15	S3	SB-10 (10-12)	60	45	0.0	15"-30" - SM: SILT Brown silt (100%)
					0.0	

END OF BORING 15-feet

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EXPLORATION LOG

SOIL BORING SG-5

Boring Location	Automotive Mechanic Shop	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/28/2022	**Contractor:**	Coastal Environmental Solutions, Inc
Drill Type:	Geoprobe 6011DT	**Driller:**	Marc Morgenstern
Elevation (Start):		**Drilling Method:**	Direct Push
Elevation (End):		**Total Depth (feet):**	15

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1		60	48	0.0	0"-2" - CONCRETE 2"-48" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%)
2						
3						
4					0.0	
5						
6	S2		60	48	0.0	0"-48" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular)
7						
8						
9					0.0	
10						
11	S3		60	60	0.0	0"-12" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (60%) with some silt (20%) and some fine gravel (20%, subangular) 12"-60" - SM: SILT Brown silt (100%)
12						
13						
14					0.0	
15						

END OF BORING 15-feet

GEI Consultants

TEST PIT LOG

UST TEST PIT LOG

Boring Location	Interior Parking Garage	**Client:**	Mega Development
Project Number:	2203948	**Project Name:**	Ten 99 Development Project
Logged By:	L. Robertson	**Site Address:**	1099 Webster Avenue, Bronx NY
Date:	11/29/2022	**Contractor:**	Mega Development
Equipment Type:	Mini-Excavator	**Driller:**	Christian R.
Elevation (Start):		**Drilling Method:**	Excavator
Elevation (End):		**Total Depth (feet):**	5

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1	S1		60	60	0.0	0"-6" - CONCRETE
2		UST-TP-1			106.8	12"-60" - SP: FINE TO MEDIUM GRADED SAND Brown fine to medium grained sand (80%) with some silt (20%), light-to-medium brown staining, strong hydrocarbon-like odors
3					156.5	Note: The soils above the USTs was a brown fine to medium sand with some silt with light-to-medium brown staining. During the excavation, Mega uncoverd the existing piping assoicated with the tanks. The piping appeared to be in poor condition and was pitted. The USTs were approximately 4-feet below grade and impacted the surround soils. It should be noted that the soils surrounding the USTs had strong hydrocarbon odors and there was evidence of a former release. In addtion, USTs were leaking unkown fluid into the surrouding soils at the time of excavation. Lastly, the USTs were encased in concrete. UST-TP-1 was collected proximate to the piping and UST-
4		UST-TP-2			20.1	
5					1.1	

END OF BORING 5-feet