

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Wednesday, June 01, 2022
PROJECT:	Willets Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Clear Skies, 65-75’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 6:00 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO) ConeTec	OBSERVER:	Harrison Bluestone Conrad Kieras Patricia Wendy
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigOne CPT Truck-Mounted RigHand Tools		PRESENT AT SITE: Day 21 Langan: Harrison Bluestone, Conrad Kieras, Patricia Wendy AARCO: (Driller): 6-person crew CONETEC: (Driller): 3-person crew Peak Security Plus (Site Security): 1-person crew	

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m.
- ConeTec (one crew) arrived on site at 7:00 a.m. and began work at 7:10 a.m.
- At 6:10 a.m., one AARCO crew resumed drilling at LB-22 while the other AARCO crew resumed drilling at LB-12.
- At around 11 a.m., drilling stopped at LB-12 due to a mechanical issue. The crew was unable to fix the issue by 12:30 p.m. They left the site at 1 p.m. with the truck rig and expect to be back tomorrow.
- Drilling concluded for the day at LB-22 at 3:30 p.m. and LB-12 at 11:00 a.m., at approximately 150 and 110 feet below grade, respectively.
- ConeTec completed three sCPTs (identified as sCPT-19, sCPT-20, and sCPT-21) by the end of the day, at approximately 178, 172, and 150 feet below grade. These probes replaced boring locations LB-16, LB-21, and LB-23, respectively.
- One AARCO team left at 1 p.m. with the truck rig and the other AARCO team left at 3:30 p.m. after cleaning up. ConeTec left at 6:00 p.m. Langan left at 6:00 p.m. after downloading data from CAMP equipment and putting it into storage for the day.

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras, Patricia Wendy
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3. Material Tracking

- a. None

4. Community Air Monitoring Plan Activities

- a. Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP) included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).
- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 0
- b. Borings in progress: 2
- c. Completed borings to date: 15 (out of 21)

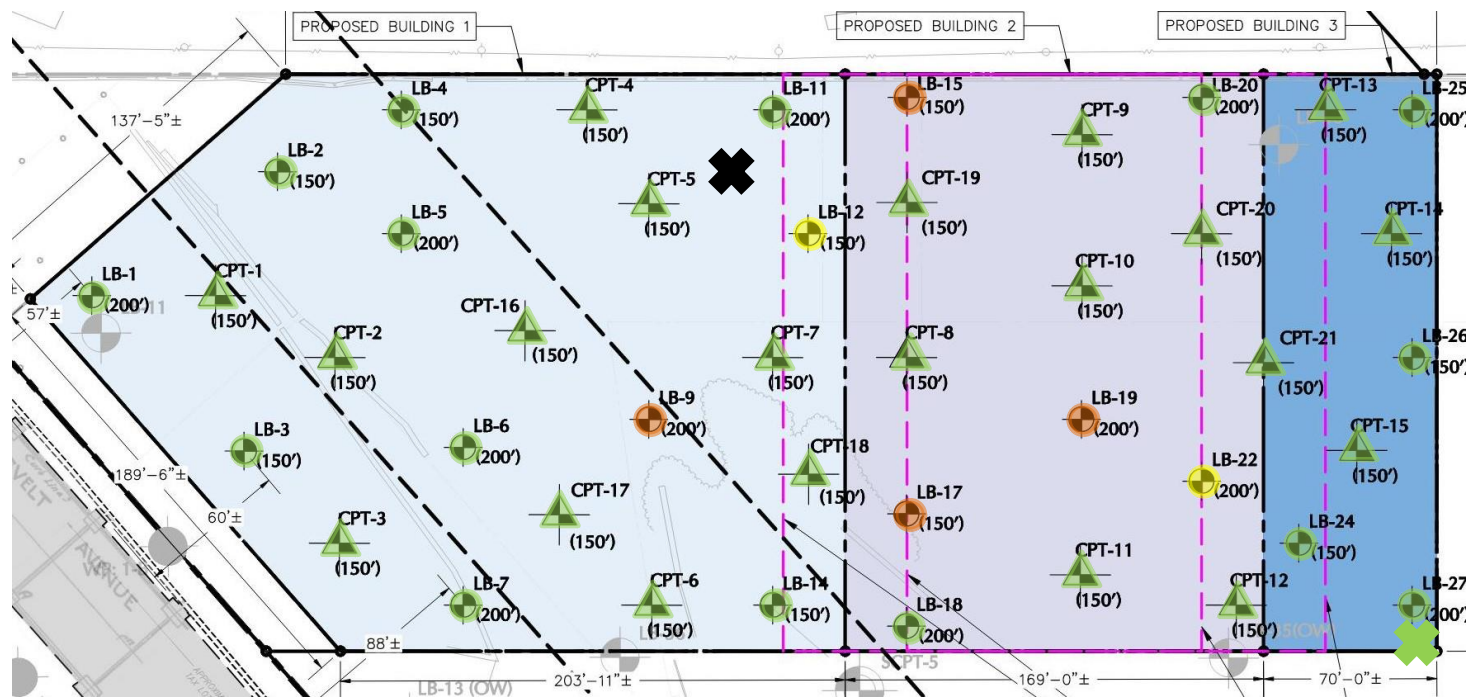
2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

- a. SCPT probes completed today: 3
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras, Patricia Wendy
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SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras, Patricia Wendy

SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-22 (facing east)



Photo 2: Truck rig about to leave site (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras, Patricia Wendy

SITE OBSERVATION REPORT



Photo 3: CAMP Equipment (facing east)



Photo 4: CAMP Equipment (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras, Patricia Wendy

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Photo 5: CPT Truck at CPT-21 (facing north)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras, Patricia Wendy
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SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Thursday, June 02, 2022
PROJECT:	Willets Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Overcast, 65-75’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 4:00 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Harrison Bluestone Conrad Kieras
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigHand Tools	PRESENT AT SITE: Day 22 Langan: Harrison Bluestone, Conrad Kieras AARCO: (Driller): 6-person crew Peak Security Plus (Site Security): 1-person crew		

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m. with the repaired truck rig.
- At 6:10 a.m., one AARCO crew resumed drilling at LB-22 while the other AARCO crew resumed drilling at LB-12.
- At around 12 p.m., LB-12 was completed and the AARCO crew moved to LB-15. The crew hand dug the site cap and segregated the excavated material before they started drilling.
- Drilling concluded for the day at:
 - LB-12 at 12:00 noon at approximately 150 feet below grade,
 - LB-22 at 3:30 p.m. at approximately 200 feet below grade,
 - LB-15 at 3:00 pm at approximately 35 feet below grade.
- Upon completion of LB-22 and LB-12, the boreholes were backfilled with non-impacted drilling cuttings and clean Morie/FilPro bagged sand, from the bottom of the boreholes to the bottom of the site cap. The material was left to settle overnight and the site cap will be replaced using material from the segregated stockpiles on Friday.
- One AARCO team left at 3:30 p.m. and the other AARCO team left at 4:00 p.m. after cleaning up. Langan left at 4:00 p.m. after downloading data from CAMP equipment and putting it into storage for the day.

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

3. Material Tracking

- a. None

4. Community Air Monitoring Plan Activities

- a. Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP) included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).
- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 2
- b. Borings in progress: 1
- c. Completed borings to date: 17 (out of 21)

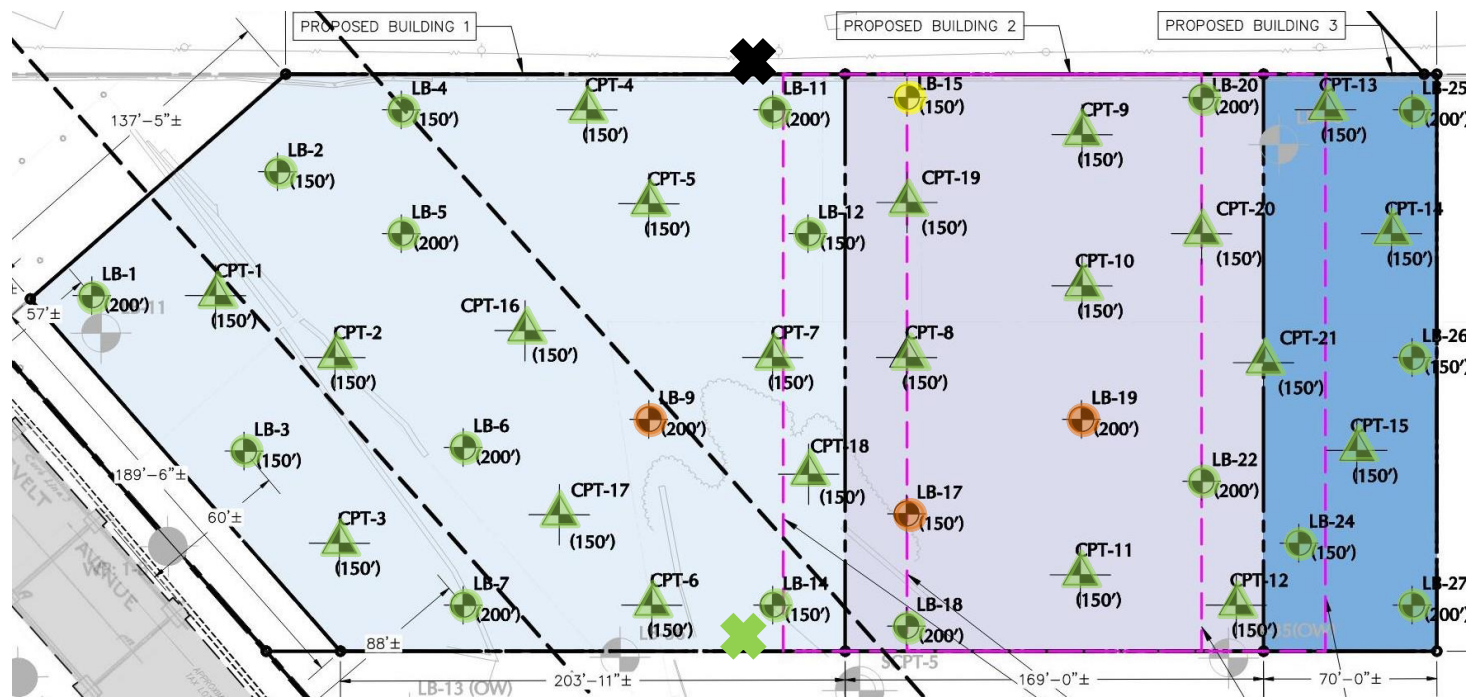
2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

- a. SCPT probes completed today: 0
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



Cc: Vijay Veluchamy, P.E.	By: Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-22 (facing east)

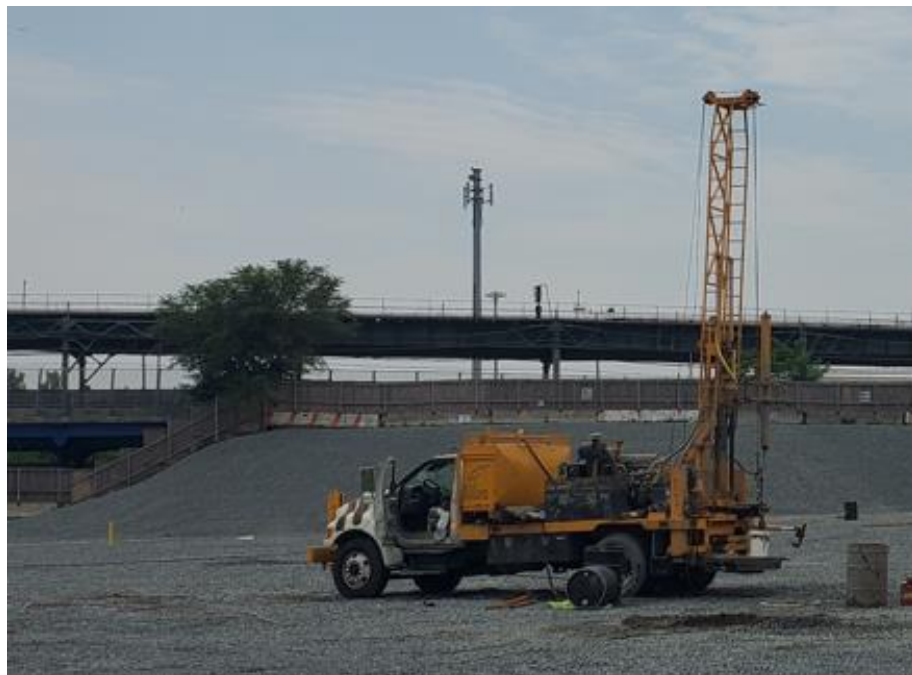


Photo 2: Truck rig at LB-12 (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 3: CAMP Equipment (facing west)



Photo 4: CAMP Equipment (facing east)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Friday, June 03, 2022
PROJECT:	Willets Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Overcast, 65-75’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 3:30 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Harrison Bluestone Conrad Kieras
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigHand Tools	PRESENT AT SITE: Day 23 Langan: Harrison Bluestone, Conrad Kieras AARCO: (Driller): 6-person crew Peak Security Plus (Site Security): 1-person crew		

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m. with the repaired truck rig.
- At 6:10 a.m., one AARCO crew began drilling at LB-17 while the other AARCO crew resumed drilling at LB-15. The crew at LB-17 hand dug the site cap and segregated the excavated material before they started drilling.
- Drilling concluded for the day at:
 - LB-17 at 3:00 pm at approximately 125 feet below grade,
 - LB-15 at 3:00 pm at approximately 150 feet below grade.
- Upon completion of LB-15, the borehole was backfilled with non-impacted drilling cuttings and clean Morie/FilPro bagged sand, from the bottom of the borehole to the bottom of the site cap. The material was left to settle overnight and the site cap will be replaced using material from the segregated stockpiles on Monday.
- The boreholes at LB-22 and LB-12, which were completed yesterday, were observed to have settled overnight. Additional clean backfill was added and the cap was matched using the original segregated stockpile.
- Both AARCO teams left at 3:30 p.m. after cleaning up. Langan left at 3:30 p.m. after downloading data from CAMP equipment and putting it into storage for the weekend.

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

3. Material Tracking

- a. None

4. Community Air Monitoring Plan Activities

- a. Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP) included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).
- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 1
- b. Borings in progress: 1
- c. Completed borings to date: 18 (out of 21)

2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

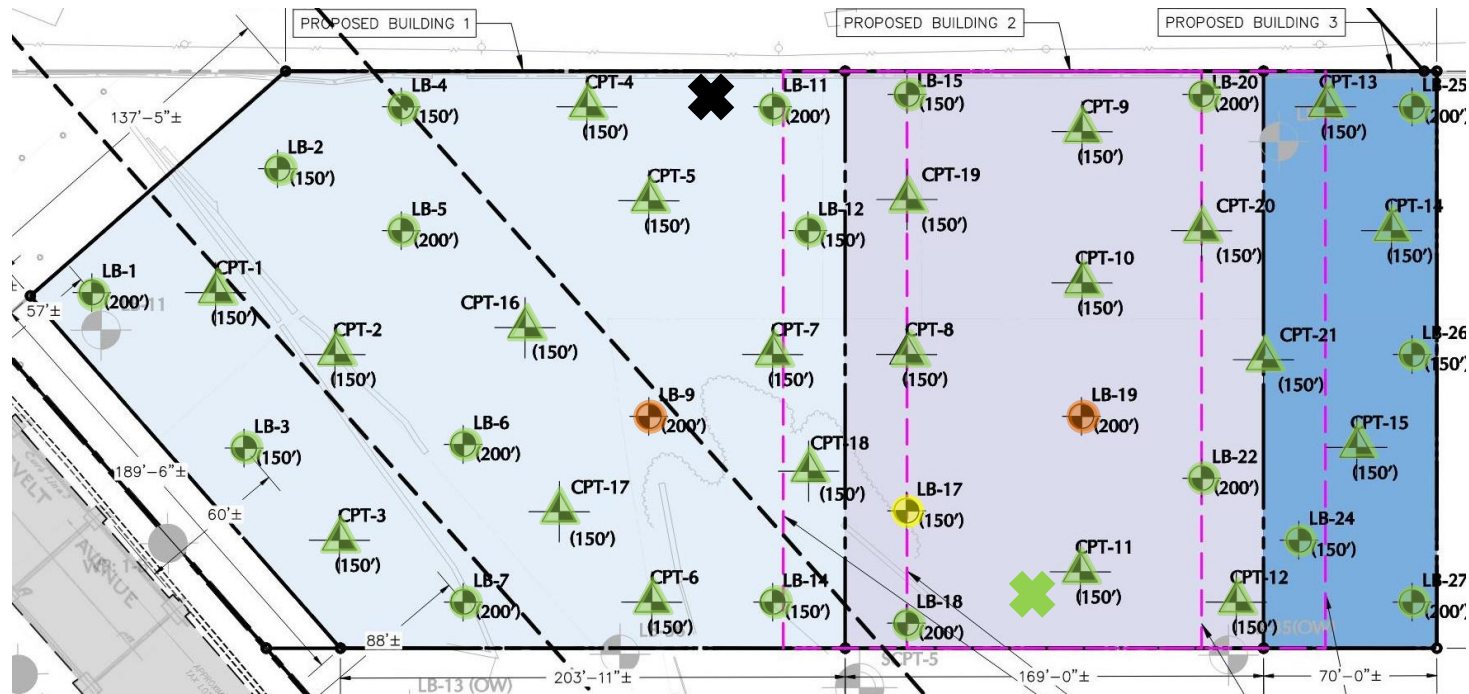
- a. SCPT probes completed today: 0
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-22 (facing south)



Photo 2: Truck rig at LB-15 (facing west)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 3: CAMP Equipment (facing north)



Photo 4: CAMP Equipment (facing west)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Monday, June 06, 2022
PROJECT:	Willetts Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Clear Skies, 70-80’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 3:30 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Harrison Bluestone Conrad Kieras
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigHand Tools	PRESENT AT SITE: Day 24 Langan: Harrison Bluestone, Conrad Kieras AARCO: (Driller): 6-person crew Peak Security Plus (Site Security): 1-person crew		

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m.
- At 6:10 a.m., one AARCO crew resumed drilling at LB-17 while the other AARCO crew began drilling at LB-09.
- After completing LB-17, the crew moved to LB-19. Upon completion of LB-17, the borehole was backfilled with non-impacted drilling cuttings and clean Morie/FilPro bagged sand, from the bottom of the borehole to the bottom of the site cap. The material was left to settle overnight and the site cap will be replaced using material from the segregated stockpiles on tomorrow.
- The crews at LB-09 and LB-19 hand dug the site cap and segregated the excavated material before they started drilling.
- At around 10 a.m., drilling stopped at LB-09 due to a mechanical issue. The crew left site at about 11:20 a.m. to get additional parts from the office. They returned at around 1:20 p.m. and fixed the drill rig by 1:45 p.m. They continued drilling at around 1:45 p.m.
- Drilling concluded for the day at:
 - LB-17 at 3:00 pm at approximately 150 feet below grade,
 - LB-19 at 3:00 pm at approximately 95 feet below grade.
 - LB-09 at 3:00 pm at approximately 60 feet below grade.
- The borehole at LB-15, which was completed on Friday, was observed to have to have settled overnight. Additional clean backfill was added and the cap was matched using the original segregated stockpile.
- Both AARCO teams left at 3:30 p.m. after cleaning up. Langan left at 3:30 p.m. after downloading data from CAMP equipment and putting it into storage for the weekend.

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- a. No petroleum impacts observed.

2. Sampling

- a. No environmental samples

3. Material Tracking

- a. None

4. Community Air Monitoring Plan Activities

- a. Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP) included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).
- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 1
- b. Borings in progress: 2
- c. Completed borings to date: 19 (out of 21)

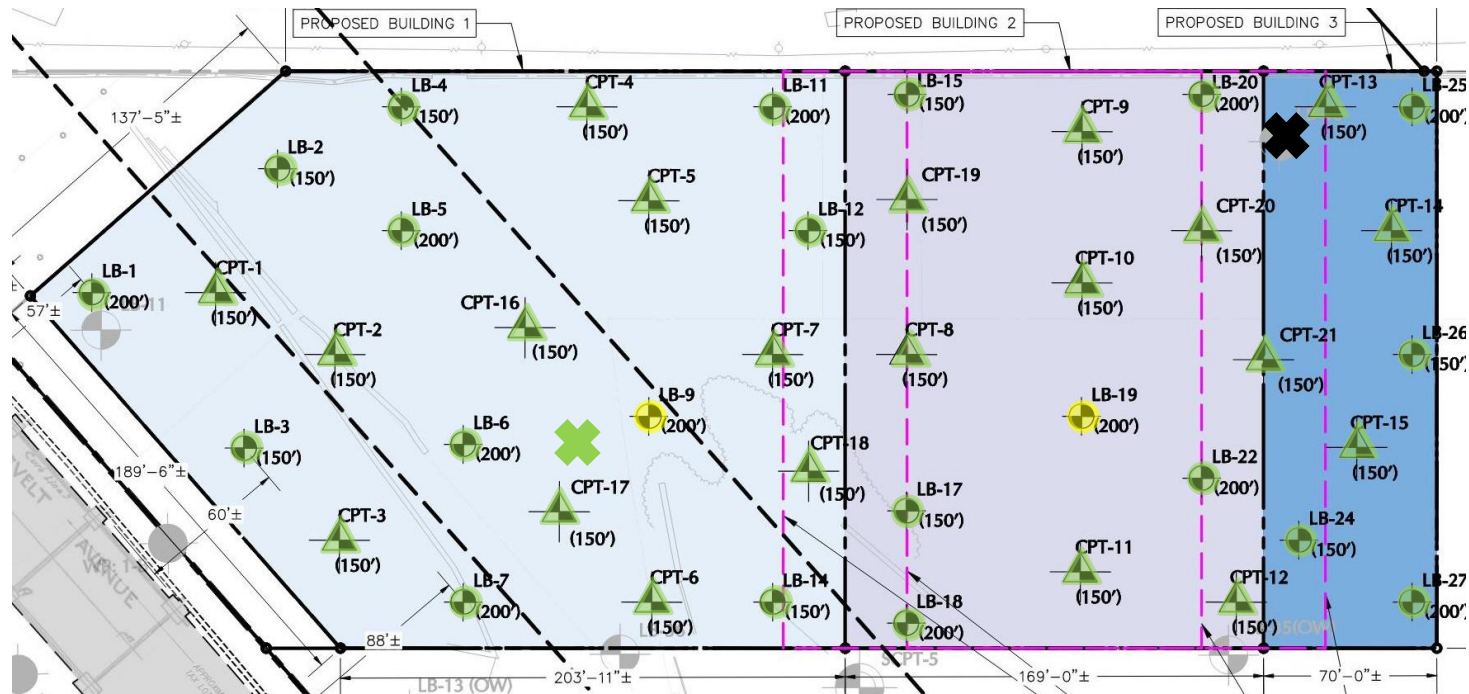
2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

- a. SCPT probes completed today: 0
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-09 (facing north)

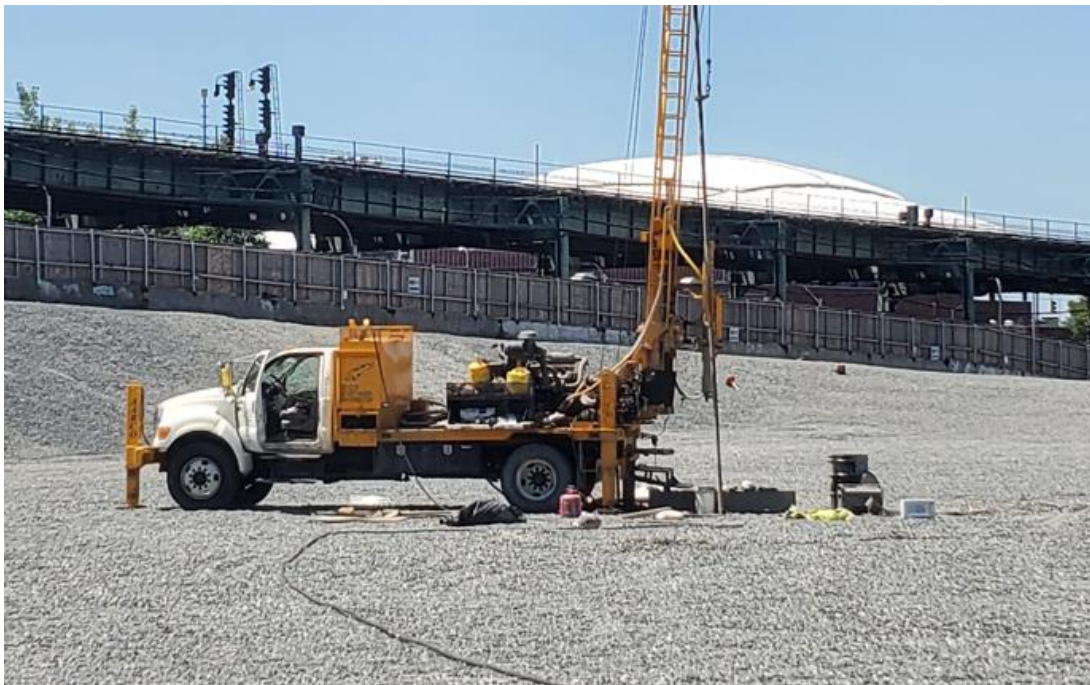


Photo 2: Truck rig at LB-09 (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 3: CAMP Equipment (facing south)



Photo 4: CAMP Equipment (facing northwest)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Tuesday, June 07, 2022
PROJECT:	Willetts Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Clear Skies, 65-75’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 3:00 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Harrison Bluestone Conrad Kieras
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigHand Tools	PRESENT AT SITE: Day 25 Langan: Harrison Bluestone, Conrad Kieras AARCO: (Driller): 6-person crew Peak Security Plus (Site Security): 1-person crew		

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m.
- At 6:10 a.m., one AARCO crew resumed drilling at LB-19 while the other AARCO crew resumed drilling at LB-09.
- Drilling concluded for the day at:
 - LB-19 at 2:30 p.m. at approximately 180 feet below grade,
 - LB-09 at 2:30 p.m. at approximately 170 feet below grade.
- Both AARCO teams left at 3:00 p.m. after cleaning up. Langan left at 3:00 p.m. after downloading data from CAMP equipment and putting it into storage for the day.

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

3. Material Tracking

- None

4. Community Air Monitoring Plan Activities

- Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP) included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 0
- b. Borings in progress: 2
- c. Completed borings to date: 19 (out of 21)

2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

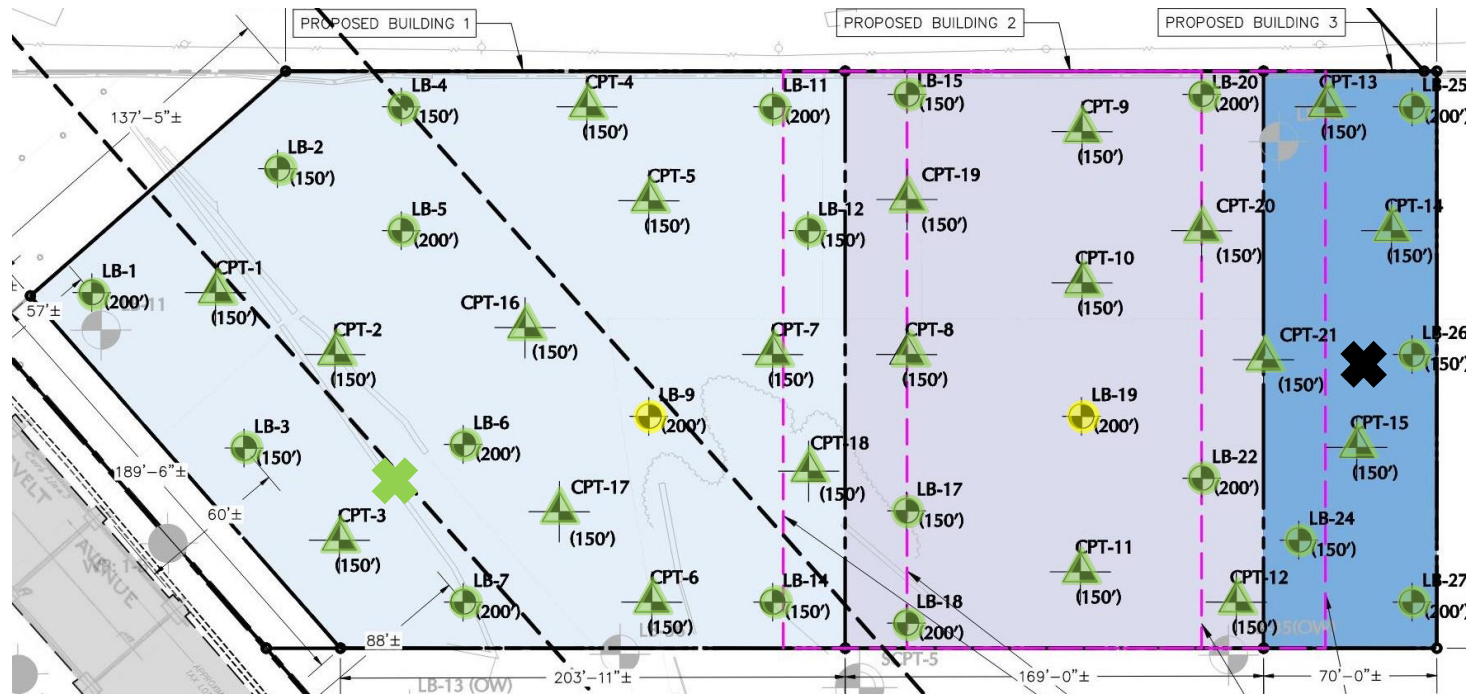
- a. SCPT probes completed today: 0
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-09 (facing north)



Photo 2: Truck rig at LB-09 (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 3: CAMP Equipment (facing south)



Photo 4: CAMP Equipment (facing north)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Wednesday, June 08, 2022
PROJECT:	Willetts Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Clear Skies, 75-85’s °F
LOCATION:	Queens, NY	TIME:	6:00 a.m. – 2:15 p.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Harrison Bluestone Conrad Kieras
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Two CME55 Truck-Mounted RigHand Tools	PRESENT AT SITE: Day 26 Langan: Harrison Bluestone, Conrad Kieras AARCO: (Driller): 6-person crew Peak Security Plus (Site Security): 1-person crew		

PROJECT SUMMARY

Langan was on-site to observe borings in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- Langan and AARCO (two crews) arrived on site at 6:00 a.m.
- At 6:10 a.m., one AARCO crew resumed drilling at LB-19 while the other AARCO crew resumed drilling at LB-09.
- Drilling concluded for the day at:
 - LB-19 at 11:30 a.m. at approximately 200 feet below grade,
 - LB-09 at 12:30 a.m. at approximately 200 feet below grade.
- From 12:30 p.m. to 1:15 p.m., AARCO drillers de-mobilized and cleaned up the worksite.
- All soil cutting drums (totaling 23) were collected, labeled, and relocated behind the trailer.
- Both AARCO teams left at 1:30 p.m. after cleaning up. Langan left at 2:15 p.m. after downloading data from CAMP equipment, inspecting the cleaned up worksite, and collecting all equipment.

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

3. Material Tracking

- None

4. Community Air Monitoring Plan Activities

- Langan performed community air monitoring at the perimeter of the work area at one upwind and one downwind locations during intrusive work. Implementation of the Community Air Monitoring Plan (CAMP)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

included air monitoring for particulate matter for particulates less than 10 µm in diameter (PM10) and volatile organic compounds (VOC).

- b. No fugitive dust or odors associated with site activities were observed migrating from the site.

PROJECT PROGRESS

1. Geotechnical borings:

- a. Borings completed today: 2
- b. Borings in progress: 0
- c. Completed borings to date: 21 (out of 21)

2. SCPT probes (ALL SCPTs HAVE BEEN COMPLETED):

- a. SCPT probes completed today: 0
- b. SCPT probes in progress: 0
- c. Completed SCPT probes to date: 21 (out of 21)

Cc:	Vijay Veluchamy, P.E.	By:	Harrison Bluestone, Conrad Kieras
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SITE OBSERVATION REPORT

Drum Inventory

Drum Number	Boring	Date Generated	Contents
1	LB-01	5/5/2022	Soil cuttings and water
2	LB-02	5/4/2022	Soil cuttings and water
3	LB-03	5/6/2022	Soil cuttings and water
4	LB-04	5/9/2022	Soil cuttings and water
5	LB-05	5/25/2022	Soil cuttings and water
6	LB-06	5/27/2022	Soil cuttings and water
7	LB-07	5/10/2022	Soil cuttings and water
8	LB-09	6/8/2022	Soil cuttings and water
9	LB-11	5/20/2022	Soil cuttings and water
10	LB-12	6/2/2022	Soil cuttings and water
11*	LB-14	5/12/2022	Soil cuttings and water
12	LB-15	6/6/2022	Soil cuttings and water
13	LB-17	5/17/2022	Soil cuttings and water
14	LB-18	6/8/2022	Soil cuttings and water
15	LB-19	5/27/2022	Soil cuttings and water
16	LB-20	6/2/2022	Soil cuttings and water
17	LB-22	6/2/2022	Soil cuttings and water
18	LB-24	5/24/2022	Soil cuttings and water
19	LB-25	5/12/2022	Soil cuttings and water
20	LB-26	5/17/2022	Soil cuttings and water
21	LB-27	5/20/2022	Soil cuttings and water

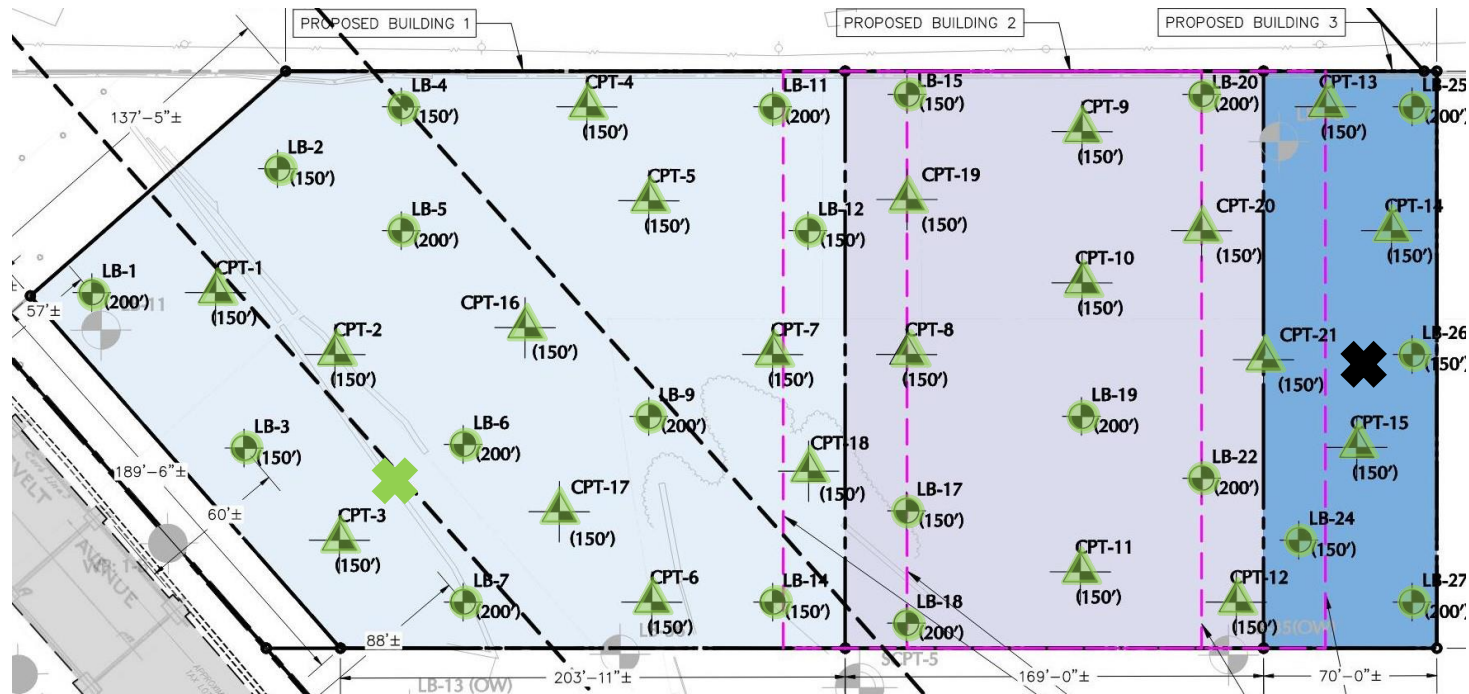
*Petroleum-like impacts

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

Photos:



Photo 1: Truck rig at LB-09 (facing north)



Photo 2: Truck rig at LB-09 (facing south)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 3: AARCO truck rigs leaving site (facing west)



Photo 4: Collected Soil Cutting Barrels behind Trailer (facing west)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT



Photo 5: Work Site after work (facing west)



Photo 6: Work Site after work (facing north)

Cc: Vijay Veluchamy, P.E.

By: Harrison Bluestone, Conrad Kieras

SITE OBSERVATION REPORT

PROJECT NO.:	170197601	DATE:	Monday, June 27, 2022
PROJECT:	Willeys Point – Phase 1 Buildings OU-1 BCP Site No. C241146	WEATHER:	Clear Skies, 72-77’s °F
LOCATION:	Queens, NY	TIME:	7:00 a.m. – 8:30 a.m.
CLIENT:	Queens Development Group, LLC	BCP SITE ID:	C241146
CONTRACTOR:	AARCO Environmental Services Corp. (AARCO)	OBSERVER:	Ashley Stappenbeck
CONTRACTOR’S EQUIPMENT: <ul style="list-style-type: none">Drum Cart	PRESENT AT SITE: Langan: Ashley Stappenbeck AARCO: Juan Parades		

PROJECT SUMMARY

Langan was on-site to observe waste disposal in accordance with NYCBC Section 1704.7.4 and the contract documents and document the activities below in accordance with the April 29, 2022 NYSDEC-approved Geotechnical Investigation Work Plan.

*NYCBC = New York City Building Code, 2014 Edition

All elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). Depths and elevations are approximate.

GENERAL OBSERVATIONS

- AARCO Environmental Services Corp (AARCO) removed 21 drums of soil cuttings and groundwater that were generated during geotechnical drilling on OU-1 for offsite disposal at Dale Transfer Corp. in West Babylon, New York (NY).

ENVIRONMENTAL OBSERVATIONS

1. Impacts Observed

- No petroleum impacts observed.

2. Sampling

- No environmental samples

3. Material Tracking

- AARCO transported 21 drums of soil cuttings and groundwater to Dale Transfer Corp. in West Babylon, NY.

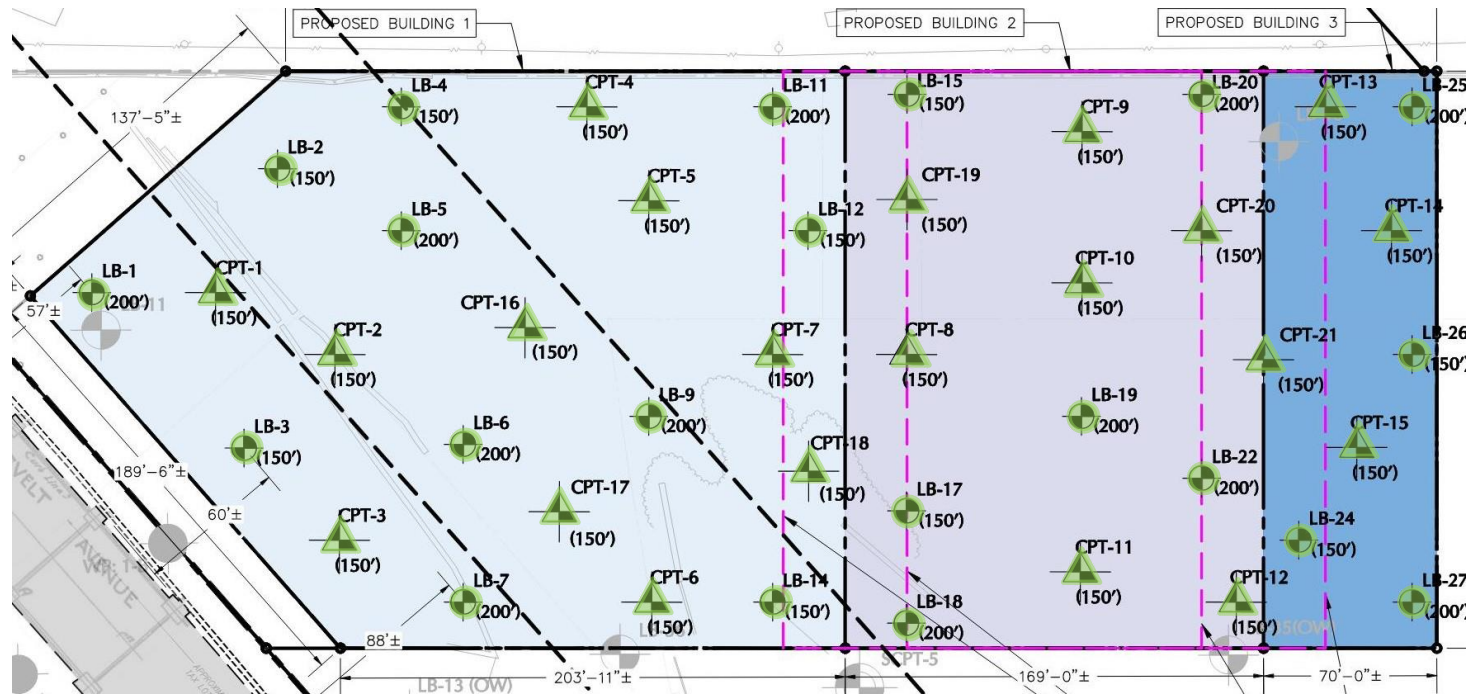
4. Community Air Monitoring Plan Activities

- Community Air Monitoring was not performed due to lack of intrusive work.

Cc:	Vijay Veluchamy, P.E.	By:	Ashley Stappenbeck
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SITE OBSERVATION REPORT

FIGURE 1: SUBSURFACE INVESTIGATION PLAN – Borings and SCPTs



- Boring to be Completed
- Boring in Progress
- Boring Completed

- ▲ SCPT to be Completed
- ▲ SCPT in Progress
- ▲ SCPT Completed

- ✖ CAMP Upwind
- ✖ CAMP Downwind

Cc: Vijay Veluchamy, P.E.	By: Ashley Stappenbeck
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SITE OBSERVATION REPORT

Photos:



Photo 1: Drums staged on OU-1 (facing northeast)



Photo 2: AARCO loading drums for transport (facing northeast)

Cc: Vijay Veluchamy, P.E.

By: Ashley Stappenbeck