

East Hampton Town Airport Superfund Status

Nicholas C. Rigano

nrigano@riganollc.com

RIGANO LLC Attorneys at Law

538 Broad Hollow Road, Suite 301

Melville, New York 11747

631-756-5900

www.riganollc.com



PFAS: The Contaminants at Issue

- ▶ Per- and polyfluoroalkyl substances, otherwise known as PFAS, are a group of over 4,000 man-made chemicals.
- ▶ The most studied PFAS chemicals are PFOA and PFOS, which have been designated as “hazardous substances” under New York law.
- ▶ On August 26, 2020, New York state promulgated binding drinking water standards for PFOA and PFOS of 10 part per trillion (ppt) each. NYSDEC adopted more stringent groundwater regulations of 2.7 ppt for PFOS and 6.7 ppt for PFOA.
- ▶ EPA has recently proposed a federal drinking water standard of 4 ppt for each. EPA has not yet adopted this standard.
- ▶ PFOA, PFOS and other PFAS chemicals have been used in a variety of products for decades including aqueous film-forming foam (“AFFF”)
- ▶ AFFF is a fire suppression foam that was regularly used by the military and fire departments to extinguish Class B fires, which often involve fuel. As a result, PFAS contamination has been detected throughout the country at airports, fire stations, and fire training areas, among other sites.



When Was Contamination Detected in Private Wells and What Did Town do?

- ▶ Suffolk County Department of Health Services sampled private wells of Wainscott residents in the summer of 2017.
- ▶ After analyzing the results, Suffolk County publicly issued a “water quality advisory” on October 11, 2017. Within that notice, Suffolk County states: “[a]s a precaution, the Town of East Hampton has offered to provide bottled water to property owners in the private well survey area described above.”
- ▶ Within two months, the Town began discussions with Suffolk County Water Authority and ultimately agreed to pay for the extension of the public water line. This project was unprecedented as it called for a 9-mile water main extension throughout Wainscott. The project is now complete and cost the Town over \$7 million.
- ▶ Town continues to work with Wainscott residents to connect to the water main in accordance with NYSDEC’s direction.
- ▶ NYSDEC has found that the Town’s actions have been necessary and appropriate.



Airport/Fire Station/Fire Training Facility

- ▶ DEC designated these properties in Wainscott as a single class 2 Superfund site due to PFOA/PFOS detections in soil and groundwater.
- ▶ The contamination was caused by EHFD's use and storage of AFFF in response to fires and for training.
- ▶ In compliance with law and DEC's requests, Town signed a consent order with DEC requiring Town to investigate and remediate all contamination at and emanating from these properties.
- ▶ Town has hired FPM Group as its environmental consultant to implement all investigation and remediation activities under the consent order, which is ongoing.
- ▶ Town submitted and NYSDEC approved a Citizen Participation Plan and remedial investigation workplan. Town has been proceeding in compliance with both of those documents and NYSDEC's direction.

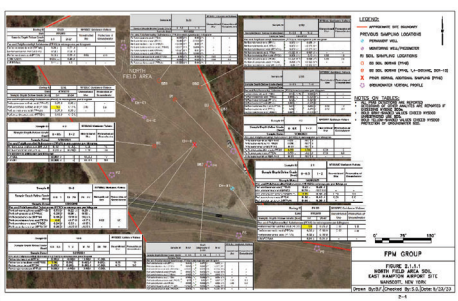
Citizen Participation Plan

- ▶ The Citizen Participation Plan is a template document prepared for DEC that provides public input at various intervals of the process.

| Citizen Participation Activities | Timing of CP Activities |
|--|--|
| Before Start of Remedial Investigation and Feasibility Study (RI/FS): | |
| <ul style="list-style-type: none"> • Prepare site contact list • Establish document repository • Prepare Citizen Participation Plan (CPP) • Place approved RI/FS Work Plan in document repository • Distribute Fact Sheet to site contact list that announces availability of RI/FS Work Plan and describes upcoming RI work | Before start of RI. Note: Draft CP Plan must be submitted to NYSDEC within 20 days of effective date of Consent Order. CP Plan must be approved by NYSDEC before distribution. |
| When NYSDEC Approves Remedial Investigation/Feasibility Study Report: | |
| <ul style="list-style-type: none"> • Distribute fact sheet to site contact list that describes RI/FS results • Place approved RI/FS Report in document repository | Before NYSDEC approves RI/FS Report |
| When NYSDEC Releases Proposed Remedial Action Plan (PRAP): | |
| <ul style="list-style-type: none"> • Place PRAP in document repository • Distribute fact sheet to site contact list that describes PRAP and announces 30-day comment period and public meeting • Hold public meeting about PRAP • Conduct 30-day public comment period | When NYSDEC releases PRAP. Comment period begins/ends as per dates identified in fact sheet. Public meeting is held during the comment period. |
| When NYSDEC Issues Record of Decision (ROD): | |
| <ul style="list-style-type: none"> • Place ROD in document repository • Distribute notice to site contact list that announces availability of ROD. ROD includes responsiveness summary of significant comments about PRAP | When NYSDEC issues ROD |
| Before Start of Remedial Action: | |
| <ul style="list-style-type: none"> • Distribute fact sheet to site contact list that describes upcoming remedial action | Before the start of remedial action at the site |
| When NYSDEC Certifies Cleanup Requirements Achieved: | |
| <ul style="list-style-type: none"> • Distribute fact sheet to site contact list that announces cleanup requirements achieved • If Certificate of Completion (COC) is issued, announce in fact sheet • If COC is issued, place copy in document repository | When NYSDEC certifies cleanup requirements achieved, or within 10 days after NYSDEC issues COC or similar site closure document |
| If NYSDEC Reclassifies the Site | |
| <ul style="list-style-type: none"> • If reclassifying site, may announce in fact sheet announcing achievement of cleanup requirements | At time NYSDEC proposes to reclassify the site |
| If NYSDEC Proposes to Delist the Site from the Registry of Contaminated Sites | |
| <ul style="list-style-type: none"> • Publish notice in Environmental Notice Bulletin about proposal and 30-day public comment period • Distribute notice to site contact list. May announce proposal in fact sheet announcing achievement of cleanup requirements • Conduct 30-day public comment period about proposed delisting • Distribute notice to site contact list when site is delisted | At time NYSDEC proposes to delist the site |

The Superfund Process

- The Town, through FPM, is in the process of investigating the contamination at and emanating from the Airport, Fire Station and Fire Training Facility. We expect the onsite investigation to be complete shortly.

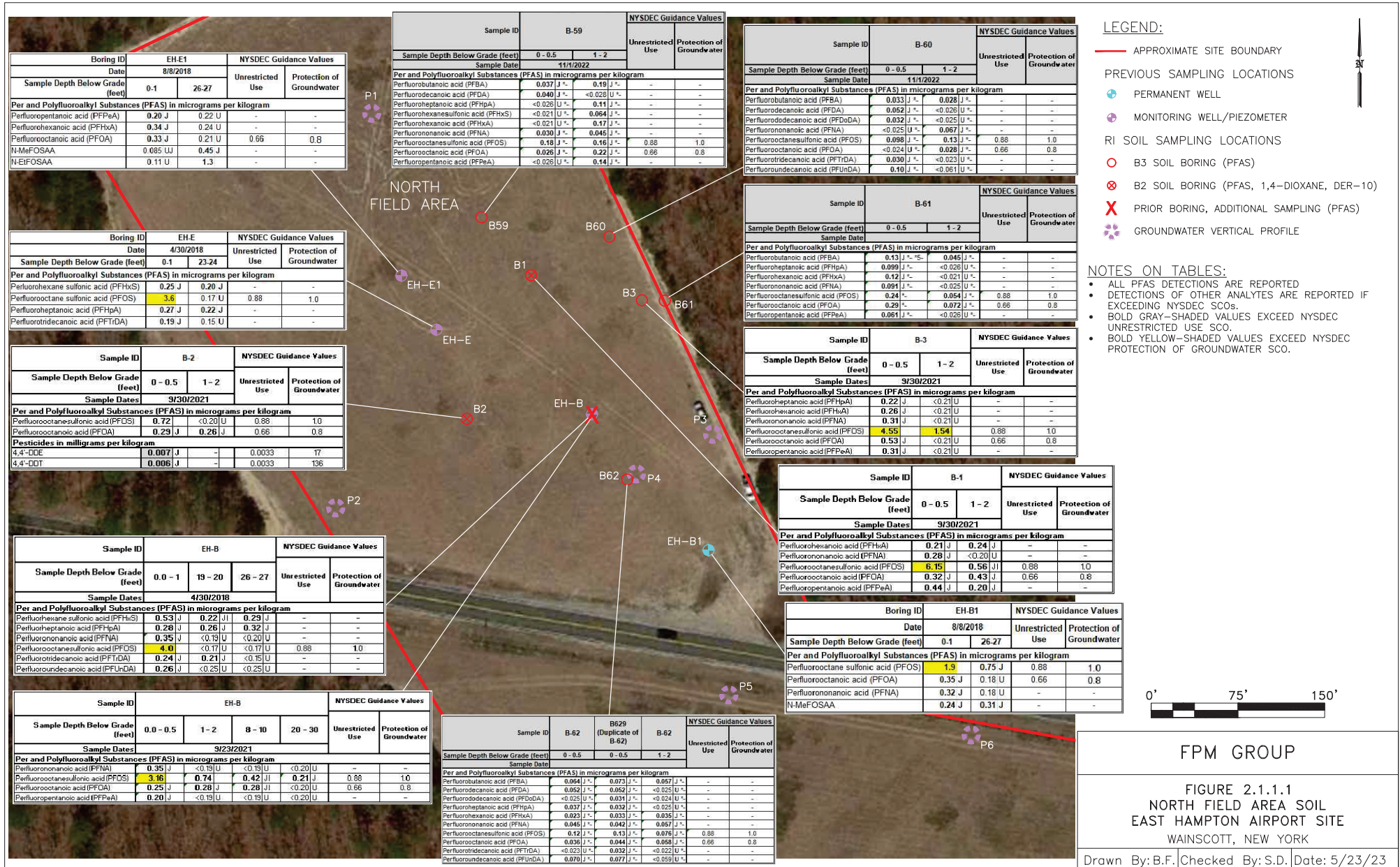


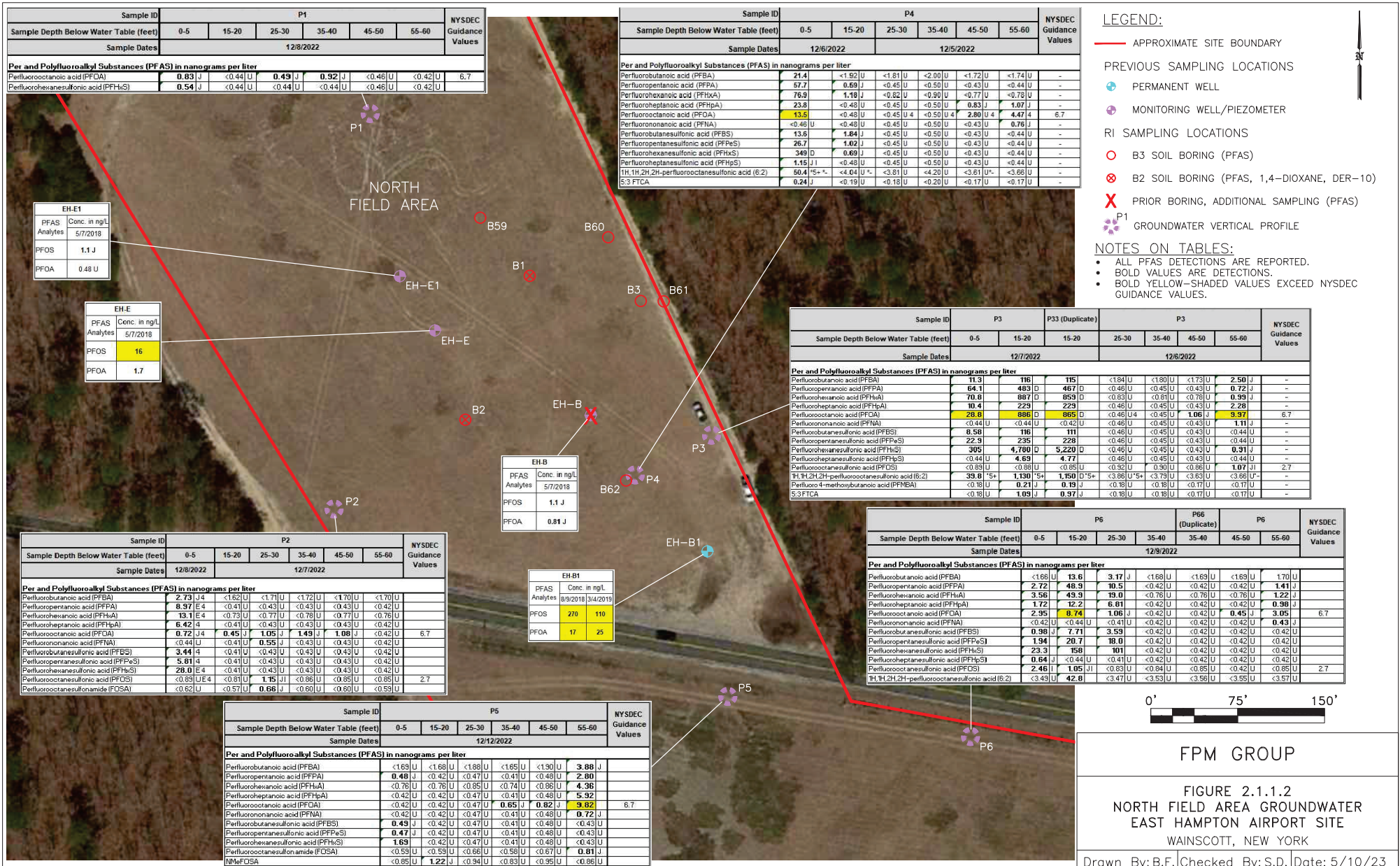
- PFAS contamination has been detected in the soil and groundwater at all three properties. The soil contamination has been detected in the North Field of the Airport, at the Fire Station, and at the Fire Training Facility. Groundwater contamination has been detected at the same locations to the downgradient border of each property.

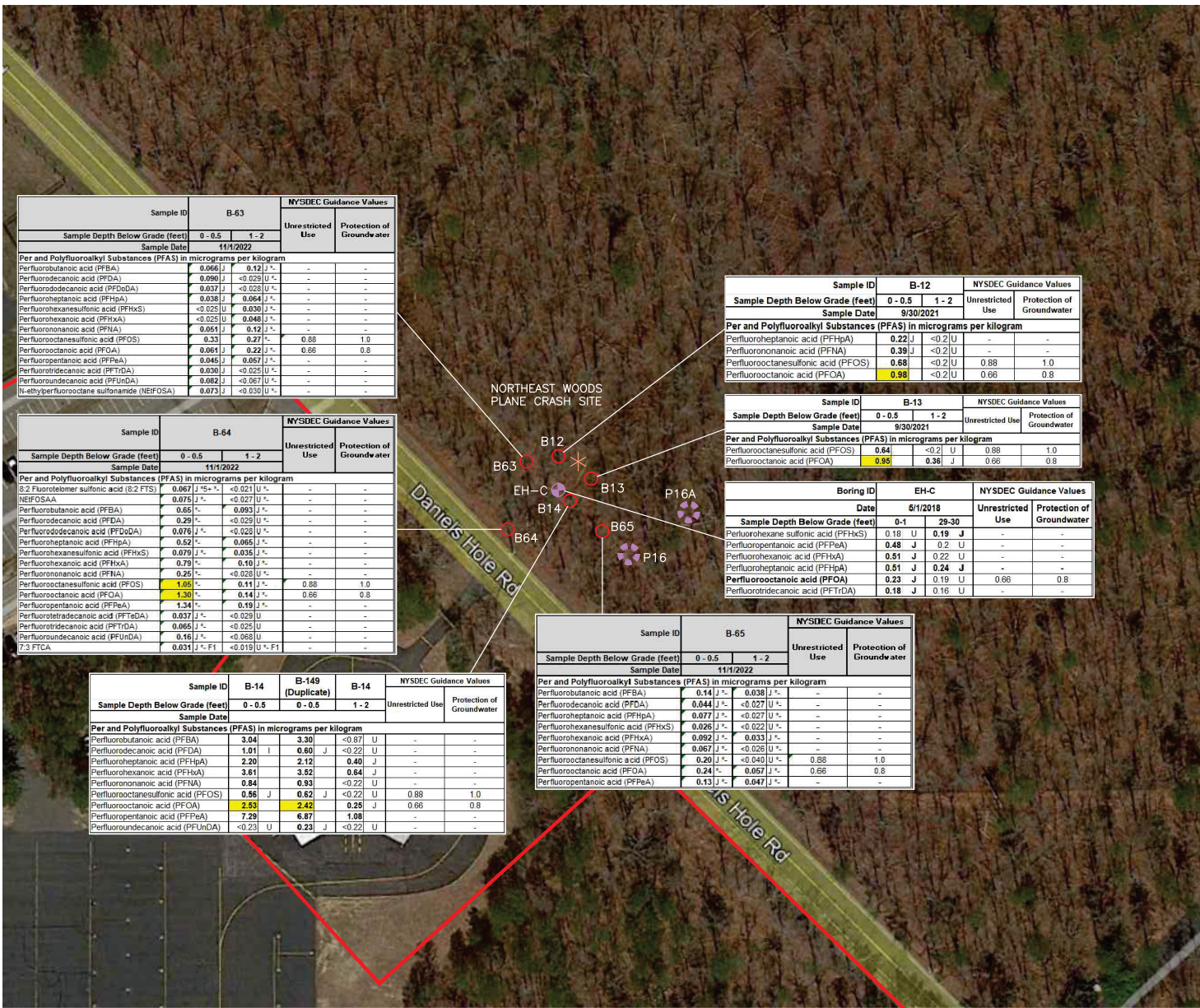
- The remaining onsite investigation involves sampling at deeper portions of the aquifer to determine how deep the onsite plume is.

We expect the offsite groundwater investigation to proceed and possibly be completed in 2024.

- Upon completion of the investigation, Town, through FPM, will prepare a feasibility study for DEC, which will contain various remedial options for DEC's consideration.
- DEC will then issue a Proposed Remedial Action Plan (PRAP) for public comment. The PRAP will contain DEC's proposed remedial action as well as a summary of the investigation and all remedial alternatives considered by DEC.
- DEC, after obtaining public input, will select the remedial option that DEC deems most appropriate.
- Upon issuance of DEC's selection by a Record of Decision (ROD), Town can commence remediation.







LEGEND:

- APPROXIMATE SITE BOUNDARY
- PREVIOUS SAMPLING LOCATIONS
- ⊕ PERMANENT WELL
- ⊗ MONITORING WELL/PIEZOMETER
- RI SOIL SAMPLING LOCATIONS
- ⊗ B11 SOIL BORING (PFAS)
- ⊗ B9 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- ⊗ GROUNDWATER VERTICAL PROFILE

NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED
- DETECTIONS OF OTHER ANALYTES ARE REPORTED IF EXCEEDING NYSDEC SCOs.
- BOLD GRAY-SHADED VALUES EXCEED NYSDEC UNRESTRICTED USE SCO.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC PROTECTION OF GROUNDWATER SCO.

| Sample ID | B-63 | | NYSDEC Guidance Values | |
|--|---------------------------------|----------|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 1 - 2 | | |
| Sample Date: 11/1/2022 | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | |
| Perfluorobutanoic acid (PFBA) | 0.066 J | 0.12 J | - | - |
| Perfluorodecanoic acid (PFDA) | 0.090 J | <0.026 U | - | - |
| Perfluorododecanoic acid (PFDDa) | 0.037 J | <0.028 U | - | - |
| Perfluoroheptanoic acid (PFHpA) | 0.038 J | 0.064 J | - | - |
| Perfluorohexanesulfonic acid (PFHxS) | <0.025 U | 0.030 J | - | - |
| Perfluorohexanoic acid (PFHxA) | <0.025 U | 0.046 J | - | - |
| Perfluorononanoic acid (PFNA) | 0.051 J | 0.12 J | - | - |
| Perfluorooctanesulfonic acid (PFOS) | 0.33 J | 0.27 J | 0.88 | 1.0 |
| Perfluorooctanoic acid (PFOA) | 0.061 J | 0.22 J | 0.66 | 0.8 |
| Perfluoropentanoic acid (PFPeA) | 0.045 J | 0.057 J | - | - |
| Perfluorotridecanoic acid (PFTrDA) | 0.030 J | <0.025 U | - | - |
| Perfluoroundecanoic acid (PFUnDA) | 0.082 J | <0.067 U | - | - |
| N-ethylperfluorooctane sulfonamide (NEFOSA) | 0.073 J | <0.030 U | - | - |

| Sample ID | B-12 | | NYSDEC Guidance Values | |
|--|---------------------------------|--------|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 1 - 2 | | |
| Sample Date: 9/30/2021 | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | |
| Perfluoroheptanoic acid (PFHpA) | 0.22 J | <0.2 U | - | - |
| Perfluorononanoic acid (PFNA) | 0.39 J | <0.2 U | - | - |
| Perfluorooctanesulfonic acid (PFOS) | 0.68 J | <0.2 U | 0.88 | 1.0 |
| Perfluorooctanoic acid (PFOA) | 0.98 J | <0.2 U | 0.66 | 0.8 |

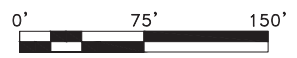
| Sample ID | B-13 | | NYSDEC Guidance Values | |
|--|---------------------------------|--------|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 1 - 2 | | |
| Sample Date: 9/30/2021 | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | |
| Perfluorooctanesulfonic acid (PFOS) | 0.64 J | <0.2 U | 0.88 | 1.0 |
| Perfluorooctanoic acid (PFOA) | 0.95 J | 0.36 J | 0.66 | 0.8 |

| Boring ID | Date | EH-C | | NYSDEC Guidance Values | |
|--|--------|--------|-------|------------------------|---------------------------|
| | | 0-1 | 29-30 | Unrestricted Use | Protection of Groundwater |
| Sample Date: 5/1/2018 | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | | |
| Perfluorohexane sulfonic acid (PFHxS) | 0.18 U | 0.19 J | - | - | - |
| Perfluoropentanoic acid (PFPeA) | 0.48 J | 0.2 U | - | - | - |
| Perfluorohexanoic acid (PFHxA) | 0.51 J | 0.22 U | - | - | - |
| Perfluoroheptanoic acid (PFHpA) | 0.51 J | 0.24 J | - | - | - |
| Perfluorooctanoic acid (PFOA) | 0.23 J | 0.19 U | 0.66 | 0.8 | - |
| Perfluorotridecanoic acid (PFTrDA) | 0.18 J | 0.16 U | - | - | - |

| Sample ID | B-64 | | NYSDEC Guidance Values | |
|--|---------------------------------|----------|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 1 - 2 | | |
| Sample Date: 11/1/2022 | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS) | 0.067 J | <0.021 U | - | - |
| NEFOSAA | 0.075 J | <0.027 U | - | - |
| Perfluorobutanoic acid (PFBA) | 0.65 J | 0.093 J | - | - |
| Perfluorodecanoic acid (PFDA) | 0.29 J | <0.029 U | - | - |
| Perfluorododecanoic acid (PFDDa) | 0.078 J | <0.025 U | - | - |
| Perfluoroheptanoic acid (PFHpA) | 0.52 J | 0.065 J | - | - |
| Perfluorohexanesulfonic acid (PFHxS) | 0.078 J | 0.035 J | - | - |
| Perfluorohexanoic acid (PFHxA) | 0.79 J | 0.16 J | - | - |
| Perfluorononanoic acid (PFNA) | 0.26 J | <0.026 U | - | - |
| Perfluorooctanesulfonic acid (PFOS) | 1.08 J | 0.11 J | 0.88 | 1.0 |
| Perfluorooctanoic acid (PFOA) | 1.38 J | 0.14 J | 0.66 | 0.8 |
| Perfluoropentanoic acid (PFPeA) | 1.34 J | 0.19 J | - | - |
| Perfluorotridecanoic acid (PFTrDA) | 0.037 J | <0.029 U | - | - |
| Perfluoroundecanoic acid (PFUnDA) | 0.065 J | <0.025 U | - | - |
| 7:3 FTCA | 0.031 J | <0.015 U | - | - |

| Sample ID | B-65 | | NYSDEC Guidance Values | |
|--|---------------------------------|----------|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 1 - 2 | | |
| Sample Date: 11/1/2022 | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | |
| Perfluorobutanoic acid (PFBA) | 0.14 J | 0.038 J | - | - |
| Perfluorodecanoic acid (PFDA) | 0.644 J | <0.027 U | - | - |
| Perfluoroheptanoic acid (PFHpA) | 0.077 J | <0.027 U | - | - |
| Perfluorohexanesulfonic acid (PFHxS) | 0.026 J | <0.022 U | - | - |
| Perfluorohexanoic acid (PFHxA) | 0.092 J | 0.033 J | - | - |
| Perfluorononanoic acid (PFNA) | 0.067 J | <0.026 U | - | - |
| Perfluorooctanesulfonic acid (PFOS) | 0.20 J | <0.040 U | 0.88 | 1.0 |
| Perfluorooctanoic acid (PFOA) | 0.24 J | 0.057 J | 0.66 | 0.8 |
| Perfluoropentanoic acid (PFPeA) | 0.13 J | 0.047 J | - | - |

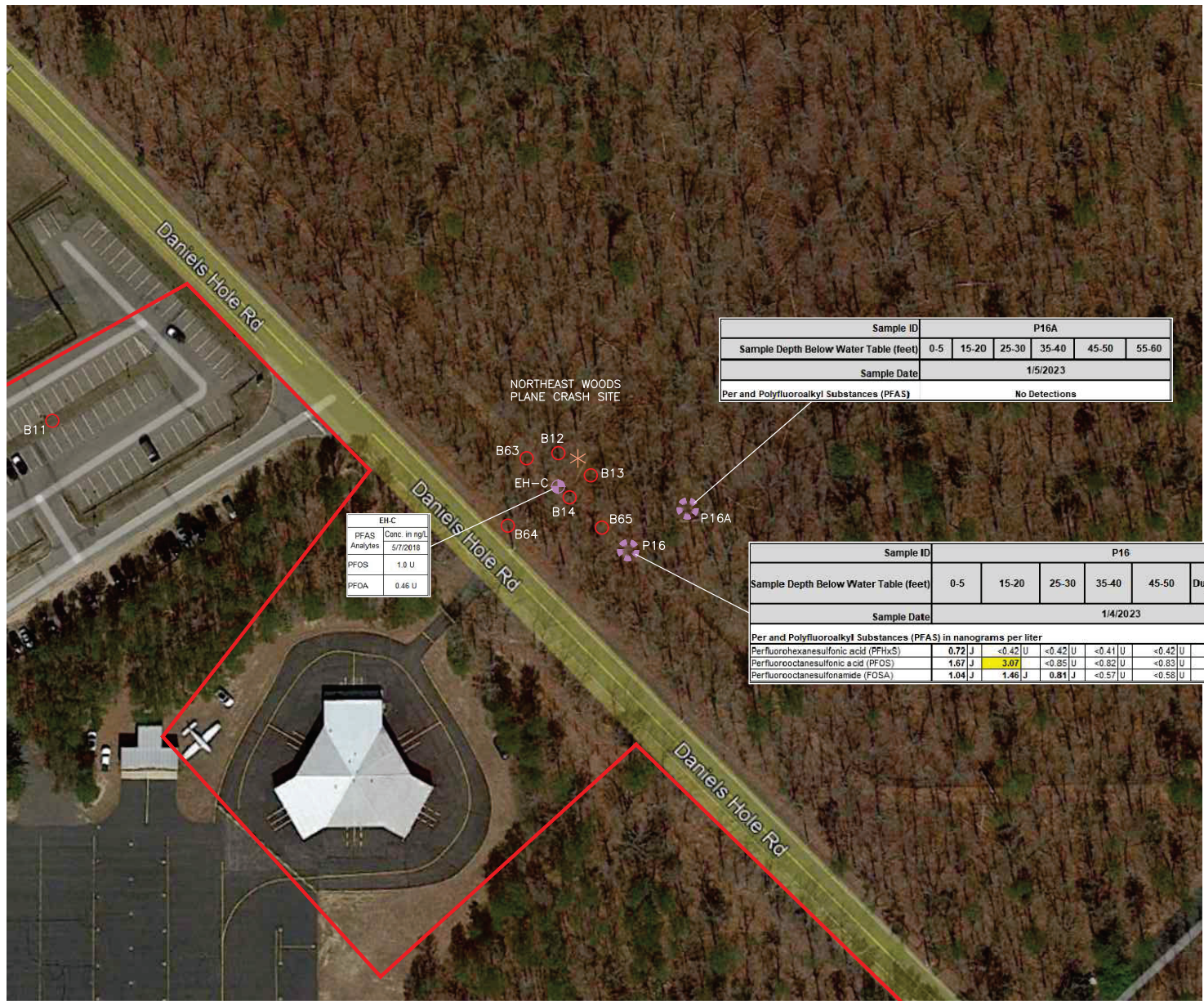
| Sample ID | B-14 | | B-149 (Duplicate) | | B-14 | | NYSDEC Guidance Values | |
|--|---------------------------------|---------|-------------------|---------|-------|-----|------------------------|---------------------------|
| | Sample Depth Below Grade (feet) | | 0 - 0.5 | | 1 - 2 | | Unrestricted Use | Protection of Groundwater |
| | 0 - 0.5 | 0 - 0.5 | 0 - 0.5 | 1 - 2 | | | | |
| Sample Date: 11/1/2022 | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in micrograms per kilogram | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 3.04 | 3.30 | <0.87 U | - | - | - | - | - |
| Perfluorodecanoic acid (PFDA) | 1.01 | 0.60 | J | <0.22 U | - | - | - | - |
| Perfluoroheptanoic acid (PFHpA) | 2.20 | 2.12 | 0.40 | J | - | - | - | - |
| Perfluorohexanoic acid (PFHxA) | 3.81 | 3.52 | 0.84 | J | - | - | - | - |
| Perfluorononanoic acid (PFNA) | 0.84 | 0.93 | <0.22 U | - | - | - | - | - |
| Perfluorooctanesulfonic acid (PFOS) | 0.56 | 0.62 | J | <0.22 U | 0.88 | 1.0 | - | - |
| Perfluorooctanoic acid (PFOA) | 2.53 | 2.42 | 0.26 | J | 0.66 | 0.8 | - | - |
| Perfluoropentanoic acid (PFPeA) | 7.29 | 6.87 | 1.08 | - | - | - | - | - |
| Perfluoroundecanoic acid (PFUnDA) | <0.23 U | 0.23 | J | <0.22 U | - | - | - | - |



FPM GROUP

FIGURE 2.1.3.1
NE WOODS AREA SOIL
EAST HAMPTON AIRPORT SITE
WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/23/23



| EH-C | |
|----------------------|----------|
| PFAS (Cenc. in ng/L) | 5/7/2018 |
| PFOS | 1.0 U |
| PFOA | 0.46 U |

| Sample ID | P16A | | | | | |
|---|---------------|-------|-------|-------|-------|-------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 |
| Sample Date | 1/5/2023 | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) | No Detections | | | | | |

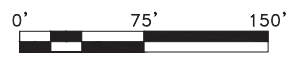
| Sample ID | P16 | | | | | | | NYSDEC Guidance Values |
|--|----------|---------|---------|---------|---------|----------------------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | P166 Duplicate 45-50 | 55-60 | |
| Sample Date | 1/4/2023 | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS) | 0.72 J | <0.42 U | <0.42 U | <0.41 U | <0.42 U | <0.41 U | <0.42 U | - |
| Perfluorooctanesulfonic acid (PFOS) | 1.67 J | 3.07 J | <0.85 U | <0.82 U | <0.83 U | <0.83 U | 1.67 J | 2.7 |
| Perfluorooctanesulfonamide (FOSA) | 1.04 J | 1.46 J | 0.81 J | <0.57 U | <0.58 U | <0.58 U | <0.58 U | - |

LEGEND:

- APPROXIMATE SITE BOUNDARY
- PREVIOUS SAMPLING LOCATIONS
- + PERMANENT WELL
- + MONITORING WELL/PIEZOMETER
- RI SAMPLING LOCATIONS
- B11 SOIL BORING (PFAS)
- ⊗ B9 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- + P16 GROUNDWATER VERTICAL PROFILE

NOTES ON TABLES:

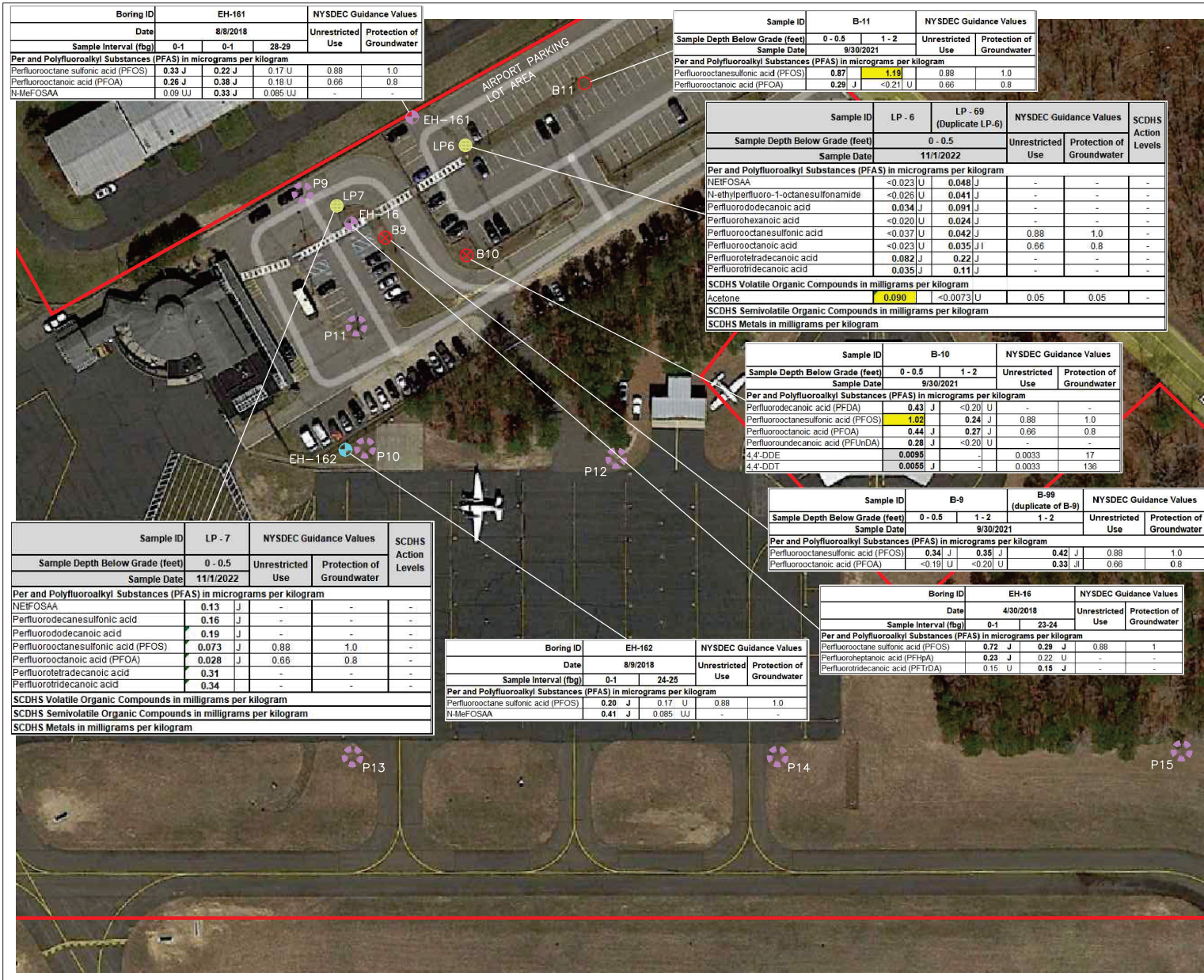
- ALL PFAS DETECTIONS ARE REPORTED.
- BOLD VALUES ARE DETECTIONS.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC GUIDANCE VALUES.



FPM GROUP

FIGURE 2.1.3.2
NE WOODS AREA GROUNDWATER
EAST HAMPTON AIRPORT SITE
WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/10/23

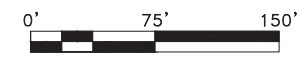


LEGEND:

- APPROXIMATE SITE BOUNDARY
- PREVIOUS SAMPLING LOCATIONS
- PERMANENT WELL
- MONITORING WELL/PIEZOMETER
- RI SOIL SAMPLING LOCATIONS
- B11 SOIL BORING (PFAS)
- ⊗ B9 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- ✿ VERTICAL PROFILE
- LP-1 LEACHING STRUCTURE

NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED
- DETECTIONS OF OTHER ANALYTES ARE REPORTED IF EXCEEDING NYSDEC SCOs OR SCDHS ACTION LEVELS (LPs).
- BOLD GRAY-SHADED VALUES EXCEED NYSDEC UNRESTRICTED USE SCO.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC PROTECTION OF GROUNDWATER SCO.

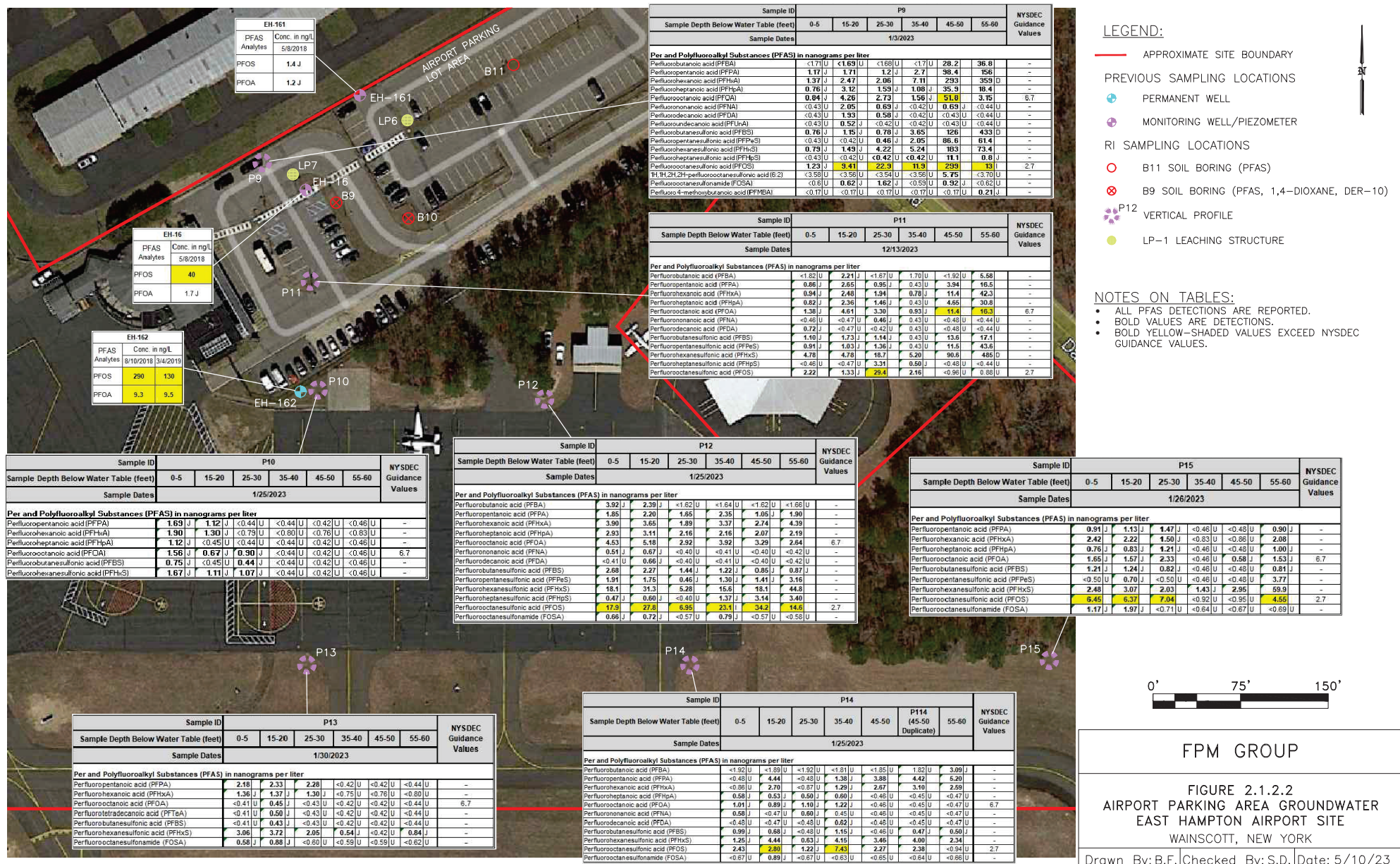


FPM GROUP

FIGURE 2.1.2.1
 AIRPORT PARKING AREA SOIL
 EAST HAMPTON AIRPORT SITE
 WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/23/23

H:\EAST HAMPTON AIRPORT\RI\F5\FIGURE 3.1.1_230509.dwg, 5/23/2023 4:36:01 PM, AutoCAD PDF (High Quality Print).pc3



LEGEND:

- APPROXIMATE SITE BOUNDARY
- PERMANENT WELL
- MONITORING WELL/PIEZOMETER
- RI SAMPLING LOCATIONS
- B11 SOIL BORING (PFAS)
- B9 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- P12 VERTICAL PROFILE
- LP-1 LEACHING STRUCTURE

NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED.
- BOLD VALUES ARE DETECTIONS.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC GUIDANCE VALUES.

| EH-161 | |
|---------------|------------------------|
| PFAS Analytes | Conc. in ng/L 5/8/2018 |
| PFOS | 1.4 J |
| PFOA | 1.2 J |

| EH-16 | |
|---------------|------------------------|
| PFAS Analytes | Conc. in ng/L 5/8/2018 |
| PFOS | 40 |
| PFOA | 1.7 J |

| EH-162 | |
|---------------|------------------------------------|
| PFAS Analytes | Conc. in ng/L 8/10/2018 3/4/2019 |
| PFOS | 290 130 |
| PFOA | 9.3 9.5 |

| Sample ID | P10 | | | | | | NYSDEC Guidance Values |
|---|-----------|---------|---------|---------|---------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates | 1/25/2023 | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluoropentanoic acid (PFPA) | 1.69 J | 1.12 J | <0.44 U | <0.42 U | <0.46 U | - | - |
| Perfluorohexanoic acid (PFHxA) | 1.90 | 1.30 J | <0.79 U | <0.80 U | <0.76 U | <0.83 U | - |
| Perfluoroheptanoic acid (PFHpA) | 1.12 J | <0.45 U | <0.44 U | <0.44 U | <0.46 U | - | - |
| Perfluorooctanoic acid (PFOA) | 1.56 J | 0.67 J | 0.90 J | <0.44 U | <0.42 U | <0.46 U | 6.7 |
| Perfluorobutanesulfonic acid (PFBS) | 0.75 J | <0.45 U | 0.44 J | <0.44 U | <0.42 U | <0.46 U | - |
| Perfluorohexanesulfonic acid (PFHS) | 1.67 J | 1.11 J | <0.44 U | <0.42 U | <0.46 U | - | - |

| Sample ID | P12 | | | | | | NYSDEC Guidance Values |
|---|-----------|--------|---------|---------|---------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates | 1/25/2023 | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 3.92 J | 2.39 J | <1.62 U | <1.64 U | <1.62 U | <1.66 U | - |
| Perfluoropentanoic acid (PFPA) | 1.85 | 2.20 | 1.85 | 2.35 | 1.05 J | 1.90 | - |
| Perfluorohexanoic acid (PFHxA) | 3.90 | 3.65 | 1.89 | 3.37 | 2.74 | 4.39 | - |
| Perfluoroheptanoic acid (PFHpA) | 2.93 | 3.11 | 2.16 | 2.16 | 2.07 | 2.19 | - |
| Perfluorooctanoic acid (PFOA) | 4.53 | 5.18 | 2.92 | 3.92 | 3.28 | 2.84 | 6.7 |
| Perfluorononanoic acid (PFNA) | 0.51 J | 0.67 J | <0.40 U | <0.41 U | <0.40 U | <0.42 U | - |
| Perfluorodecanoic acid (PFDA) | <0.41 U | 0.66 J | <0.40 U | <0.41 U | <0.40 U | <0.42 U | - |
| Perfluorobutanesulfonic acid (PFBS) | 2.68 | 2.27 | 1.44 J | 1.22 J | 0.85 J | 0.87 J | - |
| Perfluoropentanesulfonic acid (PFPeS) | 1.91 | 1.75 | 0.46 J | 1.30 | 1.41 J | 3.16 | - |
| Perfluorohexanesulfonic acid (PFHS) | 18.1 | 31.5 | 5.28 | 15.5 | 18.1 | 44.8 | - |
| Perfluoroheptanesulfonic acid (PFHpS) | 0.47 J | 0.60 J | <0.40 U | 1.37 J | 3.14 | 3.40 | - |
| Perfluorooctanesulfonic acid (PFOS) | 17.9 | 27.8 | 6.95 | 23.1 | 34.2 | 14.6 | 2.7 |
| Perfluorooctanesulfonamide (FOSA) | 0.66 J | 0.72 J | <0.57 U | 0.79 J | <0.57 U | <0.58 U | - |

| Sample ID | P15 | | | | | | NYSDEC Guidance Values |
|---|-----------|--------|---------|---------|---------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates | 1/26/2023 | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluoropentanoic acid (PFPA) | 0.91 J | 1.13 J | 1.47 J | <0.46 U | <0.48 U | 0.90 J | - |
| Perfluorohexanoic acid (PFHxA) | 2.42 | 2.22 | 1.50 J | <0.83 U | <0.86 U | 2.08 | - |
| Perfluoroheptanoic acid (PFHpA) | 0.76 J | 0.83 J | 1.21 J | <0.46 U | <0.48 U | 1.00 J | - |
| Perfluorooctanoic acid (PFOA) | 1.65 J | 1.57 J | 2.33 | <0.46 U | 0.58 J | 1.53 J | 6.7 |
| Perfluorobutanesulfonic acid (PFBS) | 1.21 J | 1.24 J | 0.62 J | <0.46 U | <0.48 U | 0.81 J | - |
| Perfluoropentanesulfonic acid (PFPeS) | <0.50 U | 0.70 J | <0.50 U | <0.46 U | <0.48 U | 3.77 | - |
| Perfluorohexanesulfonic acid (PFHS) | 2.40 | 3.07 | 2.03 | 1.43 J | 2.95 | 59.9 | - |
| Perfluoroheptanesulfonic acid (PFHpS) | 6.45 | 6.37 | 7.04 | <0.92 U | <0.95 U | 4.55 | 2.7 |
| Perfluorooctanesulfonamide (FOSA) | 4.17 J | 1.97 J | <0.71 U | <0.64 U | <0.67 U | <0.69 U | - |

| Sample ID | P13 | | | | | | NYSDEC Guidance Values |
|---|-----------|--------|---------|---------|---------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates | 1/30/2023 | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluoropentanoic acid (PFPA) | 2.18 | 2.33 | 2.28 | <0.42 U | <0.42 U | <0.44 U | - |
| Perfluorohexanoic acid (PFHxA) | 1.36 J | 1.37 J | 1.30 J | <0.75 U | <0.76 U | <0.80 U | - |
| Perfluoroheptanoic acid (PFHpA) | <0.41 U | 0.45 J | <0.43 U | <0.42 U | <0.42 U | <0.44 U | 6.7 |
| Perfluorooctanoic acid (PFOA) | <0.41 U | 0.50 J | <0.43 U | <0.42 U | <0.42 U | <0.44 U | - |
| Perfluorobutanesulfonic acid (PFBS) | <0.41 U | 0.43 J | <0.43 U | <0.42 U | <0.42 U | <0.44 U | - |
| Perfluoropentanesulfonic acid (PFPeS) | 3.06 | 3.72 | 2.05 | 0.54 J | <0.42 U | 0.84 J | - |
| Perfluorohexanesulfonic acid (PFHS) | 0.58 J | 0.88 J | <0.60 U | <0.59 U | <0.59 U | <0.62 U | - |

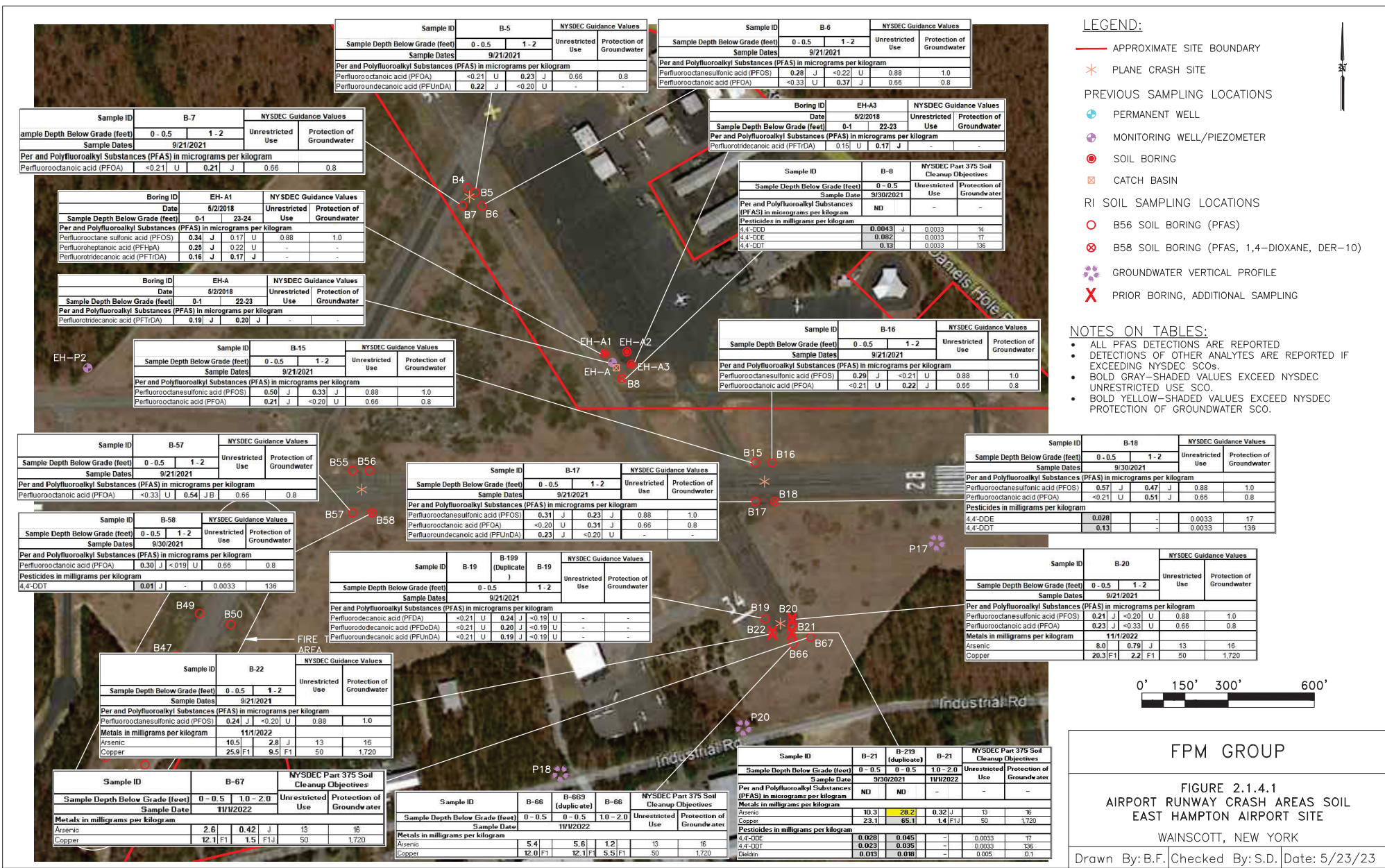
| Sample ID | P14 | | | | | | NYSDEC Guidance Values |
|---|-----------|---------|---------|---------|---------|---------|------------------------|
| Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates | 1/25/2023 | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluorobutanoic acid (PFBA) | <1.92 U | <1.99 U | <1.92 U | <1.81 U | <1.85 U | 1.82 U | 3.09 J |
| Perfluoropentanoic acid (PFPA) | <0.48 U | 4.44 | <0.48 U | 1.38 J | 3.88 | 4.32 | 5.20 |
| Perfluorohexanoic acid (PFHxA) | <0.86 U | 2.70 | <0.87 U | 1.29 J | 2.67 | 3.10 | 2.59 |
| Perfluoroheptanoic acid (PFHpA) | 0.58 J | 0.53 J | 0.50 J | 0.60 J | <0.45 U | <0.45 U | <0.47 U |
| Perfluorooctanoic acid (PFOA) | 1.91 | 0.89 J | 1.40 J | 1.22 J | <0.45 U | <0.45 U | <0.47 U |
| Perfluorononanoic acid (PFNA) | 0.58 J | <0.47 U | 0.80 J | 0.45 U | <0.45 U | <0.45 U | <0.47 U |
| Perfluorodecanoic acid (PFDA) | <0.48 U | <0.47 U | <0.48 U | 0.62 J | <0.45 U | <0.45 U | <0.47 U |
| Perfluorobutanesulfonic acid (PFBS) | 0.99 J | 0.68 J | <0.48 U | 1.15 J | <0.46 U | 0.47 J | 0.50 J |
| Perfluoropentanesulfonic acid (PFPeS) | 1.25 J | 4.44 | 0.63 J | 4.15 | 3.45 | 4.00 | 2.34 |
| Perfluorohexanesulfonic acid (PFHS) | 2.43 | 2.80 | 1.21 | 7.45 | 2.27 | 2.38 | <0.54 U |
| Perfluoroheptanesulfonic acid (PFHpS) | <0.67 U | 0.89 J | <0.67 U | <0.63 U | <0.64 U | <0.66 U | - |

0' 75' 150'

FPM GROUP

FIGURE 2.1.2.2
AIRPORT PARKING AREA GROUNDWATER
EAST HAMPTON AIRPORT SITE
WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/10/23



LEGEND:

- APPROXIMATE SITE BOUNDARY
- * PLANE CRASH SITE
- PREVIOUS SAMPLING LOCATIONS
- PERMANENT WELL
- ⊕ MONITORING WELL/PIEZOMETER
- ⊙ SOIL BORING
- ⊠ CATCH BASIN
- RI SOIL SAMPLING LOCATIONS
- ⊗ B56 SOIL BORING (PFAS)
- ⊗ B58 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- ⊕ GROUNDWATER VERTICAL PROFILE
- ⊗ PRIOR BORING, ADDITIONAL SAMPLING

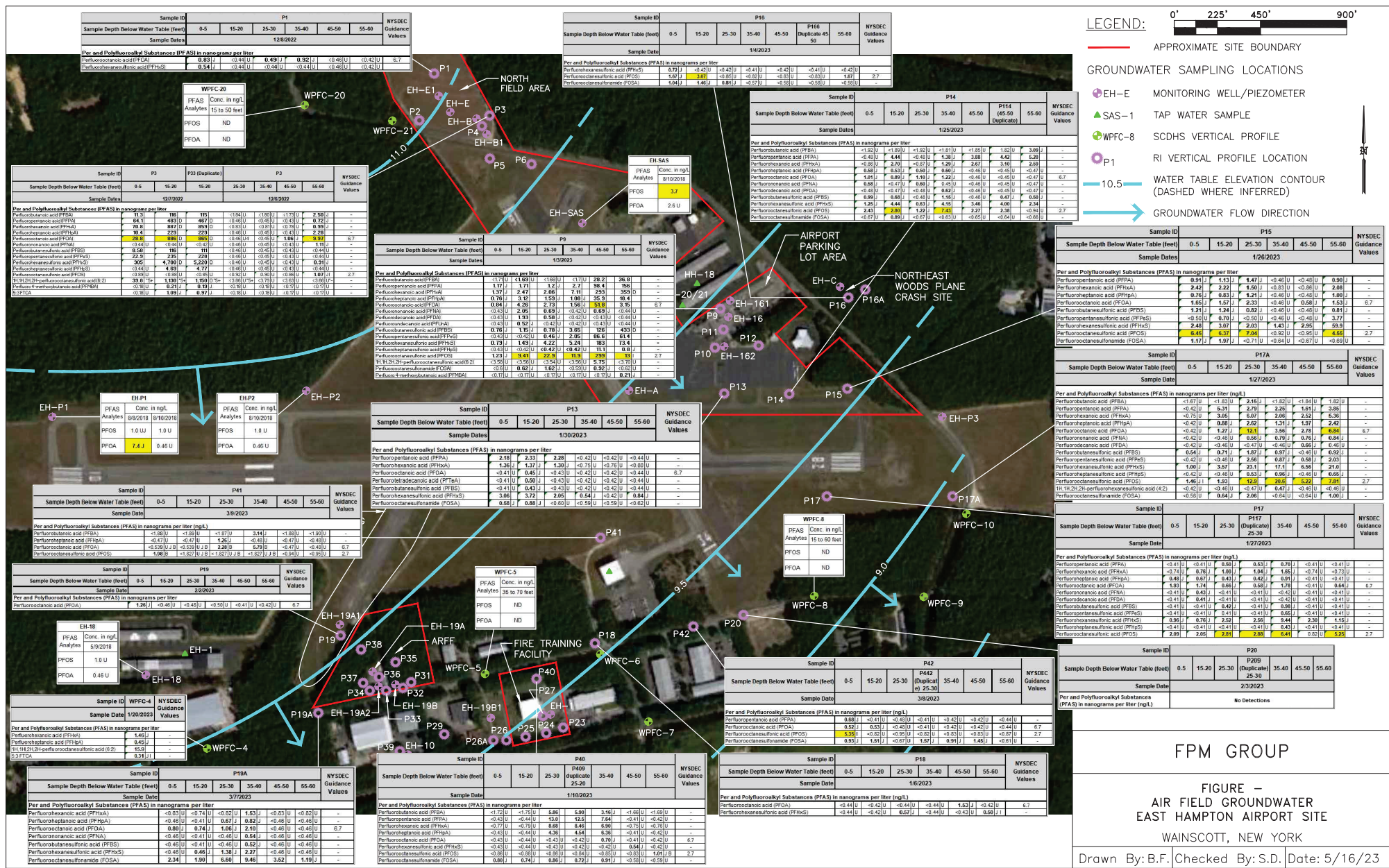
NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED
- DETECTIONS OF OTHER ANALYTES ARE REPORTED IF EXCEEDING NYSDEC SCOS.
- BOLD GRAY-SHADED VALUES EXCEED NYSDEC UNRESTRICTED USE SCO.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC PROTECTION OF GROUNDWATER SCO.

FPM GROUP

FIGURE 2.1.4.1
AIRPORT RUNWAY CRASH AREAS SOIL
EAST HAMPTON AIRPORT SITE
WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/23/23



LEGEND:

- APPROXIMATE SITE BOUNDARY
- GROUNDWATER SAMPLING LOCATIONS
- EH-E MONITORING WELL/PIEZOMETER
- ▲ SAS-1 TAP WATER SAMPLE
- WPFC-8 SCDSH'S VERTICAL PROFILE
- P1 RI VERTICAL PROFILE LOCATION
- 10.5 WATER TABLE ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

| Sample ID | Sample Depth Below Water Table (feet) | | | | | | NYSDEC Guidance Values |
|--|---------------------------------------|--------|---------|---------|---------|---------|------------------------|
| | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates: 1/20/2023 | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 0.91 J | 1.51 J | 1.47 J | <0.40 U | <0.40 U | 0.90 J | - |
| Perfluoropentanoic acid (PFPA) | 2.42 J | 2.22 J | 1.50 J | <0.40 U | <0.40 U | 2.08 J | - |
| Perfluorohexanoic acid (PFHxA) | 0.76 J | 0.83 J | 1.21 J | <0.40 U | <0.40 U | 1.60 J | - |
| Perfluoroheptanoic acid (PFHpA) | 1.65 J | 1.67 J | 2.33 J | <0.40 U | <0.40 U | 1.63 J | 6.7 |
| Perfluorooctanoic acid (PFOA) | 1.21 J | 1.24 J | 0.82 J | <0.40 U | <0.40 U | 0.81 J | - |
| Perfluorononanoic acid (PFNA) | <0.50 U | 0.70 J | <0.50 U | <0.40 U | <0.40 U | 3.77 J | - |
| Perfluorodecanoic acid (PFDA) | 2.40 J | 3.01 J | 2.03 J | 1.83 J | 2.36 J | 69.9 J | - |
| Perfluorododecanoic acid (PFDDA) | 6.45 J | 6.37 J | 7.04 J | <0.50 U | <0.95 U | 4.55 J | 2.7 |
| Perfluorotridecanoic acid (PFTrDA) | 1.17 J | 1.97 J | <0.71 U | <0.64 U | <0.67 U | <0.69 U | - |

| Sample ID | Sample Depth Below Water Table (feet) | | | | | | NYSDEC Guidance Values |
|---|---------------------------------------|---------|--------|---------|---------|--------|------------------------|
| | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates: 1/27/2023 | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter (ng/L) | | | | | | | |
| Perfluorobutanoic acid (PFBA) | <1.67 U | <1.67 U | 2.15 J | <1.62 U | <1.64 U | 1.83 J | - |
| Perfluoropentanoic acid (PFPA) | <0.42 U | 5.31 J | 2.79 J | 2.26 J | 1.81 J | 3.85 J | - |
| Perfluorohexanoic acid (PFHxA) | <0.72 U | 3.85 J | 6.07 J | 2.68 J | 2.52 J | 5.30 J | - |
| Perfluoroheptanoic acid (PFHpA) | <0.82 U | 0.88 J | 2.62 J | 1.31 J | 1.97 J | 2.42 J | - |
| Perfluoroctanoic acid (PFOA) | <0.42 U | 1.27 J | 1.21 J | 3.56 J | 2.78 J | 6.84 J | 6.7 |
| Perfluorononanoic acid (PFNA) | <0.42 U | <0.42 U | 0.56 U | 0.79 J | 0.76 J | 0.64 U | - |
| Perfluorodecanoic acid (PFDA) | <0.42 U | <0.42 U | 0.56 U | 0.79 J | 0.76 J | 0.64 U | - |
| Perfluorododecanoic acid (PFDDA) | 0.54 J | 0.71 J | 1.87 J | 0.79 J | <0.40 U | 0.92 J | - |
| Perfluorotridecanoic acid (PFTrDA) | 1.00 J | 3.57 J | 23.1 J | 17.1 J | 6.56 J | 21.5 J | - |
| Perfluorotetradecanoic acid (PFTeDA) | <0.42 U | <0.42 U | 0.63 J | 0.96 J | <0.40 U | 0.65 J | - |
| TH 1H,2H,2H-perfluorooctanesulfonic acid (2) | 1.46 J | 1.93 J | 3.93 J | 2.68 J | 3.92 J | 7.81 J | 2.7 |
| Perfluorooctanesulfonamide (FOSA) | <0.50 U | 0.64 J | 2.06 J | <0.64 U | <0.64 U | 1.00 J | - |

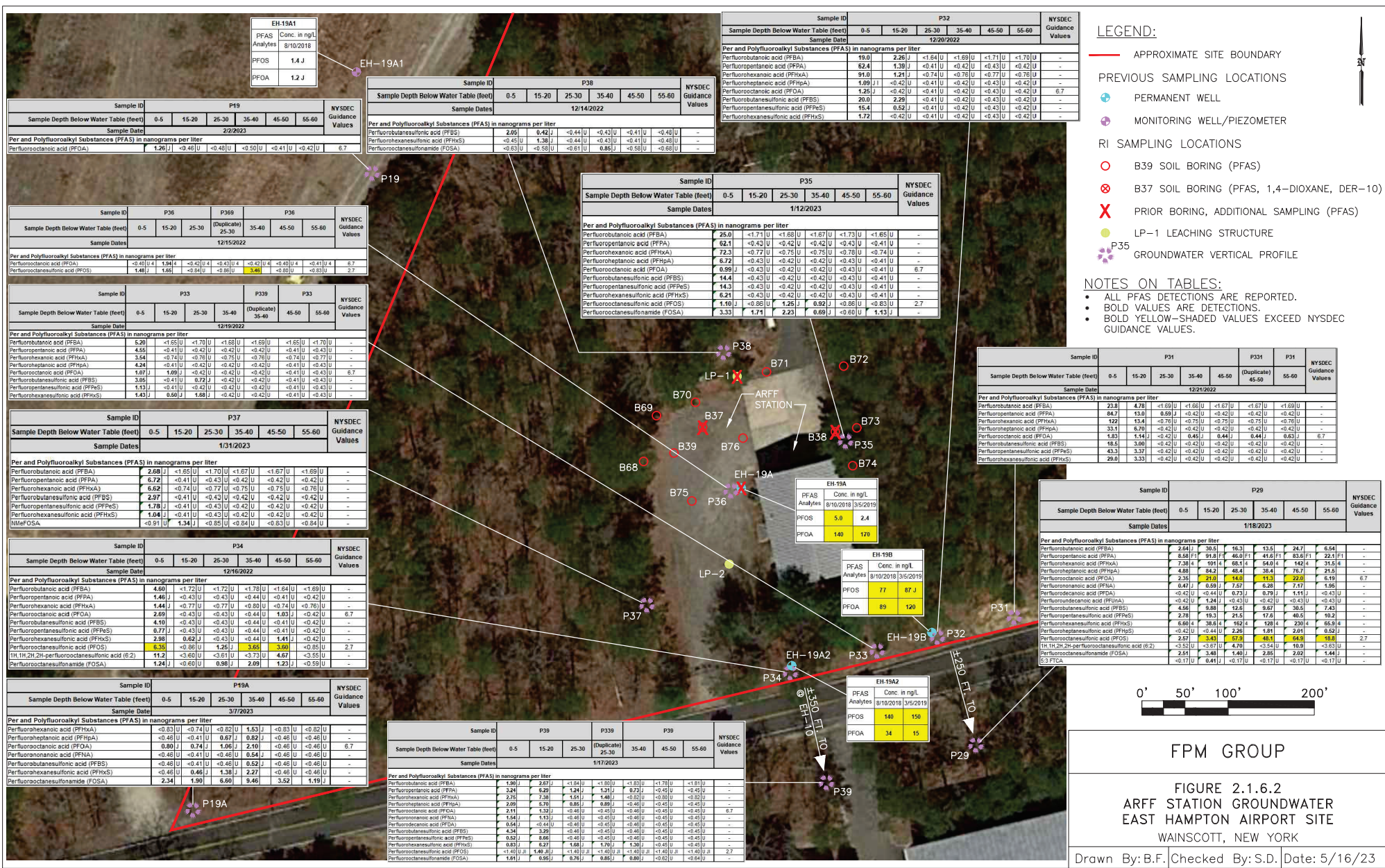
| Sample ID | Sample Depth Below Water Table (feet) | | | | | | NYSDEC Guidance Values |
|---|---------------------------------------|---------|---------|---------|---------|---------|------------------------|
| | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates: 1/27/2023 | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter (ng/L) | | | | | | | |
| Perfluorobutanoic acid (PFBA) | <0.41 U | <0.41 U | 0.50 J | 0.63 J | 0.70 J | <0.41 U | - |
| Perfluoropentanoic acid (PFPA) | <0.74 U | 0.76 J | 1.00 J | 1.44 J | 1.85 J | <0.73 U | - |
| Perfluorohexanoic acid (PFHxA) | 0.46 J | 0.67 J | 0.43 J | 0.62 J | 0.91 J | <0.41 U | - |
| Perfluoroheptanoic acid (PFHpA) | 1.93 J | 1.74 J | 0.68 J | 1.78 J | <0.41 U | 0.64 J | 6.7 |
| Perfluoroctanoic acid (PFOA) | <0.41 U | 0.43 J | <0.41 U | <0.41 U | <0.41 U | <0.41 U | - |
| Perfluorononanoic acid (PFNA) | <0.41 U | 0.43 J | <0.41 U | <0.41 U | <0.41 U | <0.41 U | - |
| Perfluorodecanoic acid (PFDA) | <0.41 U | 0.43 J | <0.41 U | <0.41 U | <0.41 U | <0.41 U | - |
| Perfluorododecanoic acid (PFDDA) | <0.41 U | 0.43 J | <0.41 U | <0.41 U | <0.41 U | <0.41 U | - |
| Perfluorotridecanoic acid (PFTrDA) | 0.96 J | 0.71 J | 2.52 J | 2.58 J | 3.44 J | 2.30 J | 11.5 J |
| Perfluorotetradecanoic acid (PFTeDA) | <0.41 U | <0.41 U | <0.41 U | 0.43 J | <0.41 U | <0.41 U | - |
| Perfluoropentadecanoic acid (PFPeDA) | 2.09 J | 2.65 J | 2.41 J | 2.48 J | 4.41 J | 3.02 J | 2.7 |

| Sample ID | Sample Depth Below Water Table (feet) | | | | | | NYSDEC Guidance Values |
|---|---------------------------------------|-------|-------|-------|-------|-------|------------------------|
| | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | |
| Sample Dates: 2/3/2023 | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter (ng/L) | | | | | | | |
| No Detections | | | | | | | |

FPM GROUP

FIGURE - AIR FIELD GROUNDWATER EAST HAMPTON AIRPORT SITE WAINSCOTT, NEW YORK

Drawn By: B.F., Checked By: S.D., Date: 5/16/23



LEGEND:

- APPROXIMATE SITE BOUNDARY
- PERMANENT WELL
- ⊕ MONITORING WELL/PIEZOMETER
- RI SAMPLING LOCATIONS
- ⊗ B39 SOIL BORING (PFAS)
- ⊗ B72 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- ⊗ PRIOR BORING, ADDITIONAL SAMPLING (PFAS)
- LP-1 LEACHING STRUCTURE
- ⊕ P35 GROUNDWATER VERTICAL PROFILE

NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED.
- BOLD VALUES ARE DETECTIONS.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC GUIDANCE VALUES.

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P19 | | | | | | | | | |
| Sample Date: 2/2/2023 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 1.20 | <0.45 | <0.45 | <0.45 | <0.50 | <0.41 | <0.42 | | 6.7 |
| Perfluoropentanoic acid (PFPA) | | | | | | | | | |
| Perfluorohexanoic acid (PFHxA) | | | | | | | | | |
| Perfluorooctanoic acid (PFOA) | | | | | | | | | |
| Perfluorodecanoic acid (PFDA) | | | | | | | | | |
| Perfluorododecanoic acid (PFDDA) | | | | | | | | | |
| Perfluorotetradecanoic acid (PFTeDA) | | | | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS) | | | | | | | | | |
| Perfluorooctanesulfonic acid (PFOS) | | | | | | | | | |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P36 | | | | | | | | | |
| Sample Date: 12/15/2022 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 1.48 | 1.85 | <0.94 | <0.86 | 3.64 | <0.80 | <0.83 | | 2.7 |
| Perfluoropentanoic acid (PFPA) | | | | | | | | | |
| Perfluorohexanoic acid (PFHxA) | | | | | | | | | |
| Perfluorooctanoic acid (PFOA) | | | | | | | | | |
| Perfluorodecanoic acid (PFDA) | | | | | | | | | |
| Perfluorododecanoic acid (PFDDA) | | | | | | | | | |
| Perfluorotetradecanoic acid (PFTeDA) | | | | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS) | | | | | | | | | |
| Perfluorooctanesulfonic acid (PFOS) | | | | | | | | | |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P33 | | | | | | | | | |
| Sample Date: 12/19/2022 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 2.60 | 1.85 | <1.70 | <1.68 | <1.69 | <1.65 | <1.70 | | - |
| Perfluoropentanoic acid (PFPA) | 4.55 | <0.41 | <0.42 | <0.42 | <0.41 | <0.41 | <0.41 | | - |
| Perfluorohexanoic acid (PFHxA) | 3.64 | <0.74 | <0.79 | <0.79 | <0.76 | <0.74 | <0.71 | | - |
| Perfluorooctanoic acid (PFOA) | 4.24 | <0.41 | <0.42 | <0.42 | <0.42 | <0.41 | <0.43 | | - |
| Perfluorodecanoic acid (PFDA) | 1.07 | 1.99 | <0.42 | <0.42 | <0.42 | <0.41 | <0.43 | | 6.7 |
| Perfluorododecanoic acid (PFDDA) | 3.95 | <0.41 | <0.42 | <0.42 | <0.42 | <0.41 | <0.43 | | - |
| Perfluorotetradecanoic acid (PFTeDA) | 1.13 | <0.41 | <0.42 | <0.42 | <0.42 | <0.41 | <0.43 | | - |
| Perfluorohexanesulfonic acid (PFHxS) | 1.43 | 0.60 | 1.68 | <0.42 | <0.41 | <0.43 | | | - |
| Perfluorooctanesulfonic acid (PFOS) | | | | | | | | | |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P37 | | | | | | | | | |
| Sample Date: 1/31/2023 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 2.60 | 1.85 | <1.70 | <1.70 | <1.67 | <1.67 | <1.69 | | - |
| Perfluoropentanoic acid (PFPA) | 6.72 | <0.41 | <0.43 | <0.42 | <0.42 | <0.42 | <0.42 | | - |
| Perfluorohexanoic acid (PFHxA) | 6.62 | <0.74 | <0.77 | <0.75 | <0.75 | <0.75 | <0.76 | | - |
| Perfluorooctanoic acid (PFOA) | 2.97 | <0.41 | <0.43 | <0.42 | <0.42 | <0.42 | <0.42 | | - |
| Perfluorodecanoic acid (PFDA) | 1.78 | <0.41 | <0.43 | <0.42 | <0.42 | <0.42 | <0.42 | | - |
| Perfluorododecanoic acid (PFDDA) | 1.04 | <0.41 | <0.43 | <0.42 | <0.42 | <0.42 | <0.42 | | - |
| Perfluorotetradecanoic acid (PFTeDA) | <0.91 | 1.34 | <0.85 | <0.84 | <0.83 | <0.84 | | | - |
| Perfluorohexanesulfonic acid (PFHxS) | | | | | | | | | |
| Perfluorooctanesulfonic acid (PFOS) | | | | | | | | | |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

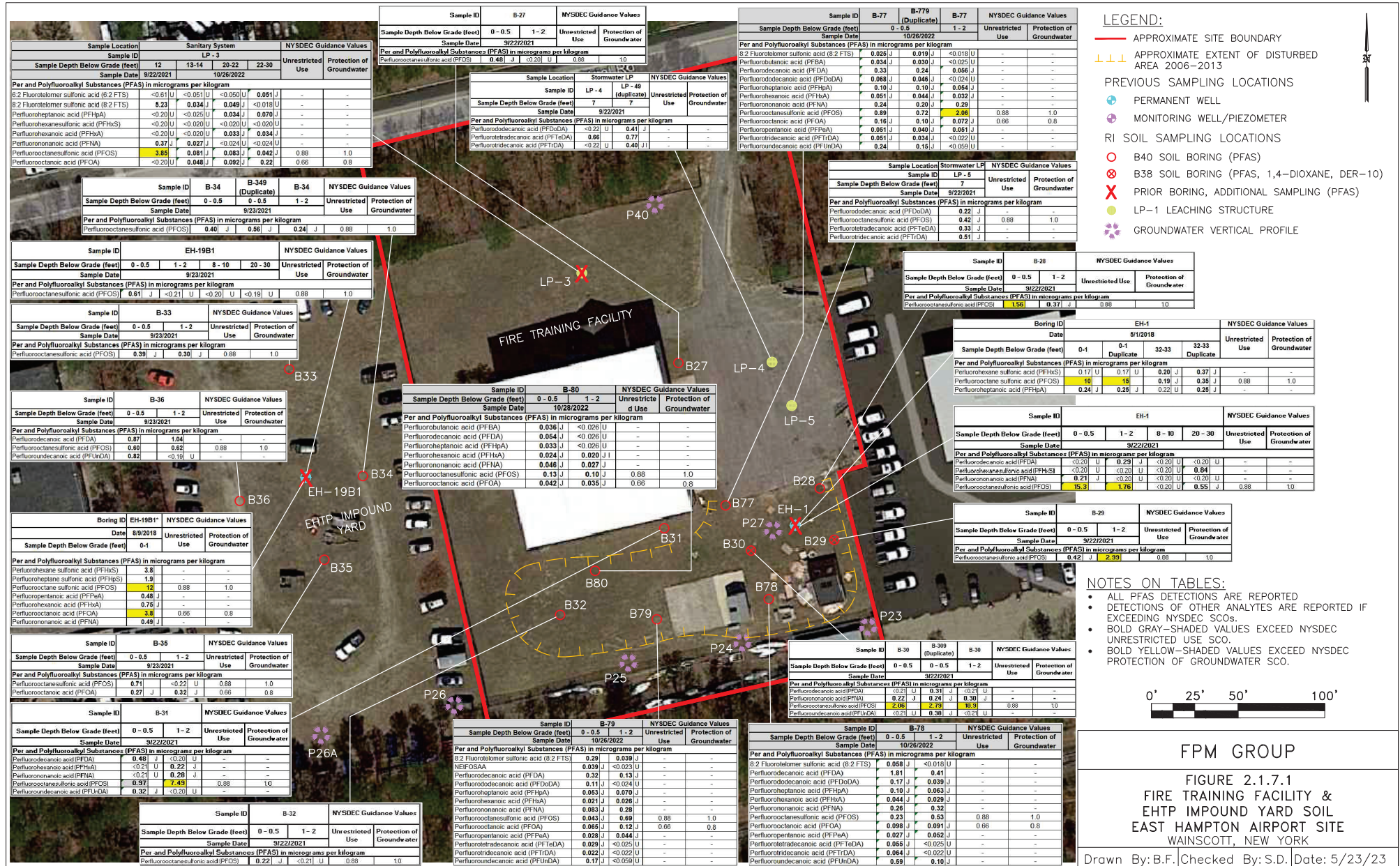
| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P34 | | | | | | | | | |
| Sample Date: 12/16/2022 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 4.60 | <1.72 | <1.72 | <1.78 | <1.64 | <1.69 | | | - |
| Perfluoropentanoic acid (PFPA) | 1.46 | <0.43 | <0.43 | <0.44 | <0.41 | <0.42 | | | - |
| Perfluorohexanoic acid (PFHxA) | 1.44 | <0.77 | <0.77 | <0.80 | <0.74 | <0.76 | | | - |
| Perfluorooctanoic acid (PFOA) | 2.89 | <0.43 | <0.43 | <0.44 | <0.41 | <0.42 | | | 6.7 |
| Perfluorodecanoic acid (PFDA) | 4.10 | <0.43 | <0.43 | <0.44 | <0.41 | <0.42 | | | - |
| Perfluorododecanoic acid (PFDDA) | 0.77 | <0.43 | <0.43 | <0.44 | <0.41 | <0.42 | | | - |
| Perfluorotetradecanoic acid (PFTeDA) | 2.98 | 0.62 | <0.43 | <0.44 | 1.41 | <0.42 | | | - |
| Perfluorohexanesulfonic acid (PFHxS) | 6.35 | <0.86 | 1.25 | 3.68 | 3.69 | <0.86 | | | 2.7 |
| Perfluorooctanesulfonic acid (PFOS) | 11.2 | <3.60 | <3.61 | <3.73 | 4.67 | <3.55 | | | - |
| Perfluorodecane sulfonic acid (PFDS) | 1.24 | <0.60 | 0.98 | 2.09 | 1.23 | <0.59 | | | - |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

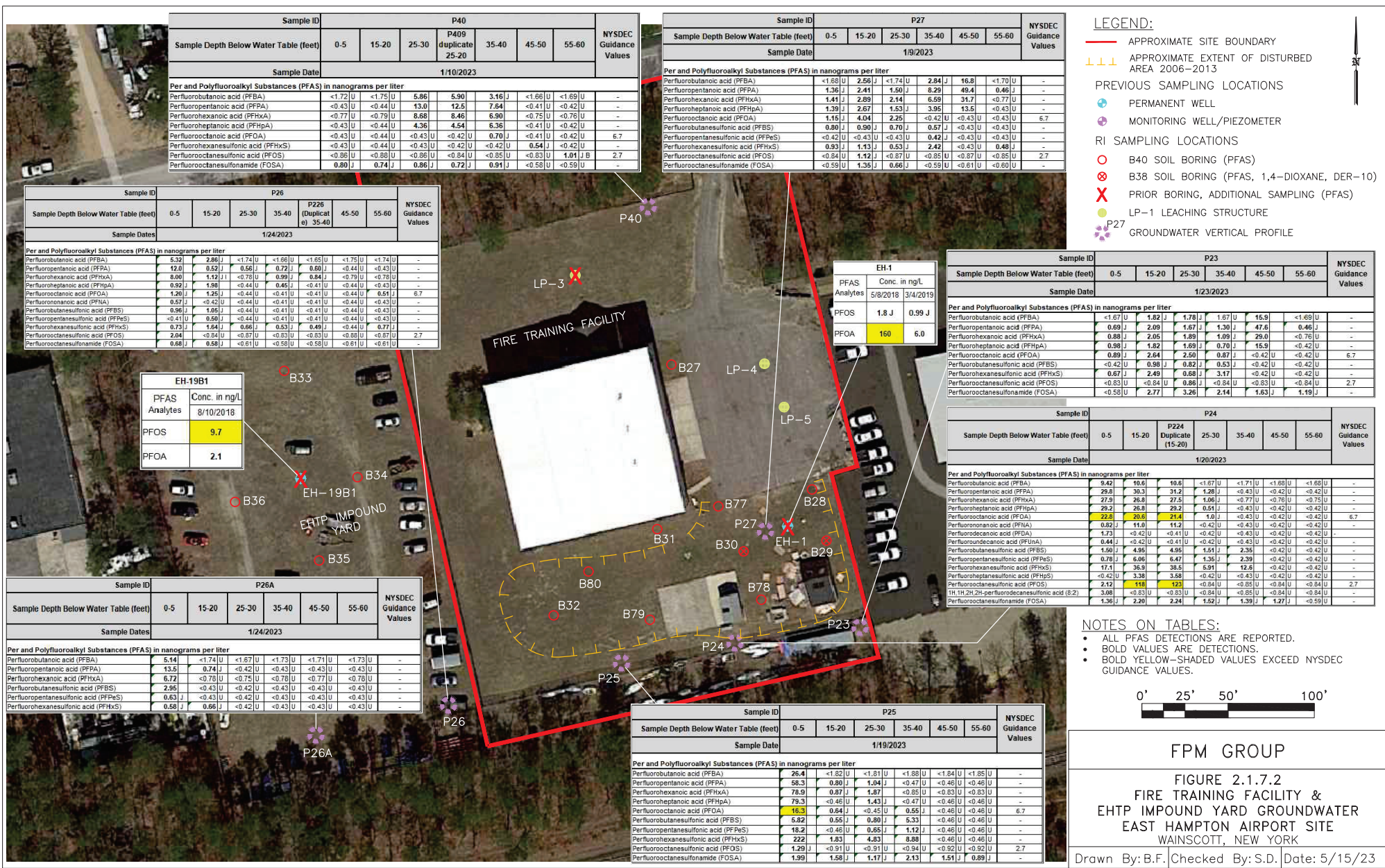
| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P19A | | | | | | | | | |
| Sample Date: 3/7/2023 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | <0.83 | <0.74 | <0.82 | 1.53 | <0.83 | <0.82 | | | - |
| Perfluoropentanoic acid (PFPA) | <0.46 | <0.41 | 0.67 | 0.92 | <0.46 | <0.46 | | | - |
| Perfluorohexanoic acid (PFHxA) | 0.80 | 0.74 | 1.06 | 2.10 | <0.46 | <0.46 | | | 6.7 |
| Perfluorooctanoic acid (PFOA) | <0.46 | <0.41 | <0.46 | 0.54 | <0.46 | <0.46 | | | - |
| Perfluorodecanoic acid (PFDA) | <0.46 | <0.41 | <0.46 | 0.52 | <0.46 | <0.46 | | | - |
| Perfluorododecanoic acid (PFDDA) | <0.46 | <0.41 | <0.46 | 0.52 | <0.46 | <0.46 | | | - |
| Perfluorotetradecanoic acid (PFTeDA) | <0.46 | <0.41 | <0.46 | 0.52 | <0.46 | <0.46 | | | - |
| Perfluorohexanesulfonic acid (PFHxS) | <0.46 | <0.46 | 1.38 | 2.27 | <0.46 | <0.46 | | | - |
| Perfluorooctanesulfonic acid (PFOS) | 2.34 | 1.90 | 6.60 | 9.46 | 3.52 | 1.19 | | | - |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P38 | | | | | | | | | |
| Sample Date: 12/14/2022 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 2.06 | 0.42 | <0.44 | <0.43 | <0.41 | <0.40 | | | - |
| Perfluoropentanoic acid (PFPA) | <0.45 | 1.38 | <0.44 | <0.43 | <0.41 | <0.48 | | | - |
| Perfluorohexanoic acid (PFHxA) | <0.83 | <0.89 | <0.81 | 0.86 | <0.80 | <0.80 | | | - |
| Perfluorooctanoic acid (PFOA) | | | | | | | | | |
| Perfluorodecanoic acid (PFDA) | | | | | | | | | |
| Perfluorododecanoic acid (PFDDA) | | | | | | | | | |
| Perfluorotetradecanoic acid (PFTeDA) | | | | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS) | | | | | | | | | |
| Perfluorooctanesulfonic acid (PFOS) | | | | | | | | | |
| Perfluorodecane sulfonic acid (PFDS) | | | | | | | | | |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|--|-------------|---------------------------------------|-------|-------|-------|-------|-------|-------|------------------------|
| P35 | | | | | | | | | |
| Sample Date: 1/12/2023 | | | | | | | | | |
| Per and Polyfluoroalkyl Substances (PFAS) in nanograms per liter | | | | | | | | | |
| Perfluorobutanoic acid (PFBA) | 25.0 | <1.71 | <1.68 | <1.87 | <1.73 | <1.65 | | | - |
| Perfluoropentanoic acid (PFPA) | 62.1 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | - |
| Perfluorohexanoic acid (PFHxA) | 72.3 | <0.77 | <0.75 | <0.75 | <0.78 | <0.74 | | | - |
| Perfluorooctanoic acid (PFOA) | 6.72 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | - |
| Perfluorodecanoic acid (PFDA) | 0.98 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | 6.7 |
| Perfluorododecanoic acid (PFDDA) | 14.4 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | - |
| Perfluorotetradecanoic acid (PFTeDA) | 14.3 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | - |
| Perfluorohexanesulfonic acid (PFHxS) | 6.21 | <0.43 | <0.42 | <0.42 | <0.43 | <0.41 | | | - |
| Perfluorooctanesulfonic acid (PFOS) | 1.10 | <0.36 | 1.25 | 0.92 | <0.36 | <0.35 | | | 2.7 |
| Perfluorodecane sulfonic acid (PFDS) | 3.33 | 1.71 | 2.23 | 0.86 | <0.80 | 1.13 | | | - |
| Perfluorododecane sulfonic acid (PFDDoS) | | | | | | | | | |
| Perfluorotetradecane sulfonic acid (PFTeDS) | | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | | | | | | | | | |

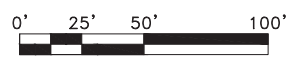
| Sample ID | Sample Date | Sample Depth Below Water Table (feet) | 0-5 | 15-20 | 25-30 | 35-40 | 45-50 | 55-60 | NYSDEC Guidance Values |
|------------------------|-------------|---------------------------------------|-----|-------|-------|-------|-------|-------|------------------------|
| P33 | | | | | | | | | |
| Sample Date: 1/12/2023 | | | | | | | | | |
| | | | | | | | | | |





NOTES ON TABLES:

- ALL PFAS DETECTIONS ARE REPORTED.
- BOLD VALUES ARE DETECTIONS.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC GUIDANCE VALUES.

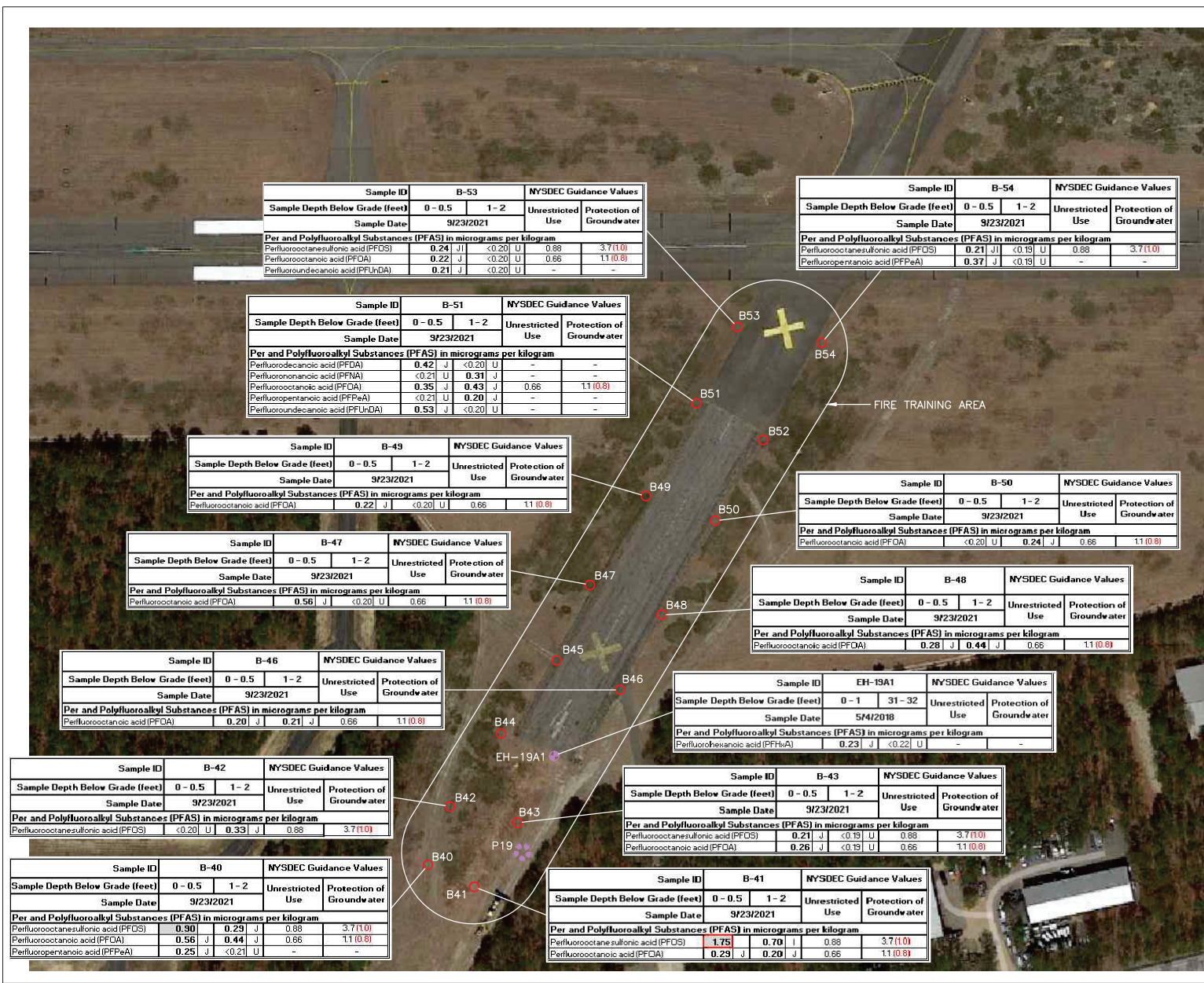


FPM GROUP

FIGURE 2.1.7.2
FIRE TRAINING FACILITY & EHTP IMPOUND YARD GROUNDWATER EAST HAMPTON AIRPORT SITE WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 5/15/23

E:\EAST HAMPTON AIRPORT\B1_FSY\FIGURE 3.1.1_120821_Aug 2 16 2022 11:25:41 AM_AutoCAD PDF (High Quality Print).pc3

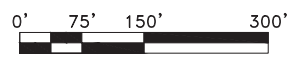


LEGEND:

- APPROXIMATE SITE BOUNDARY
- PREVIOUS SAMPLING LOCATIONS
- PERMANENT WELL
- MONITORING WELL/PIEZOMETER
- RI SOIL SAMPLING LOCATIONS
- B40 SOIL BORING (PFAS)
- ⊗ B38 SOIL BORING (PFAS, 1,4-DIOXANE, DER-10)
- PROPOSED SAMPLING LOCATIONS:
- GROUNDWATER VERTICAL PROFILE

NOTES ON TABLES:

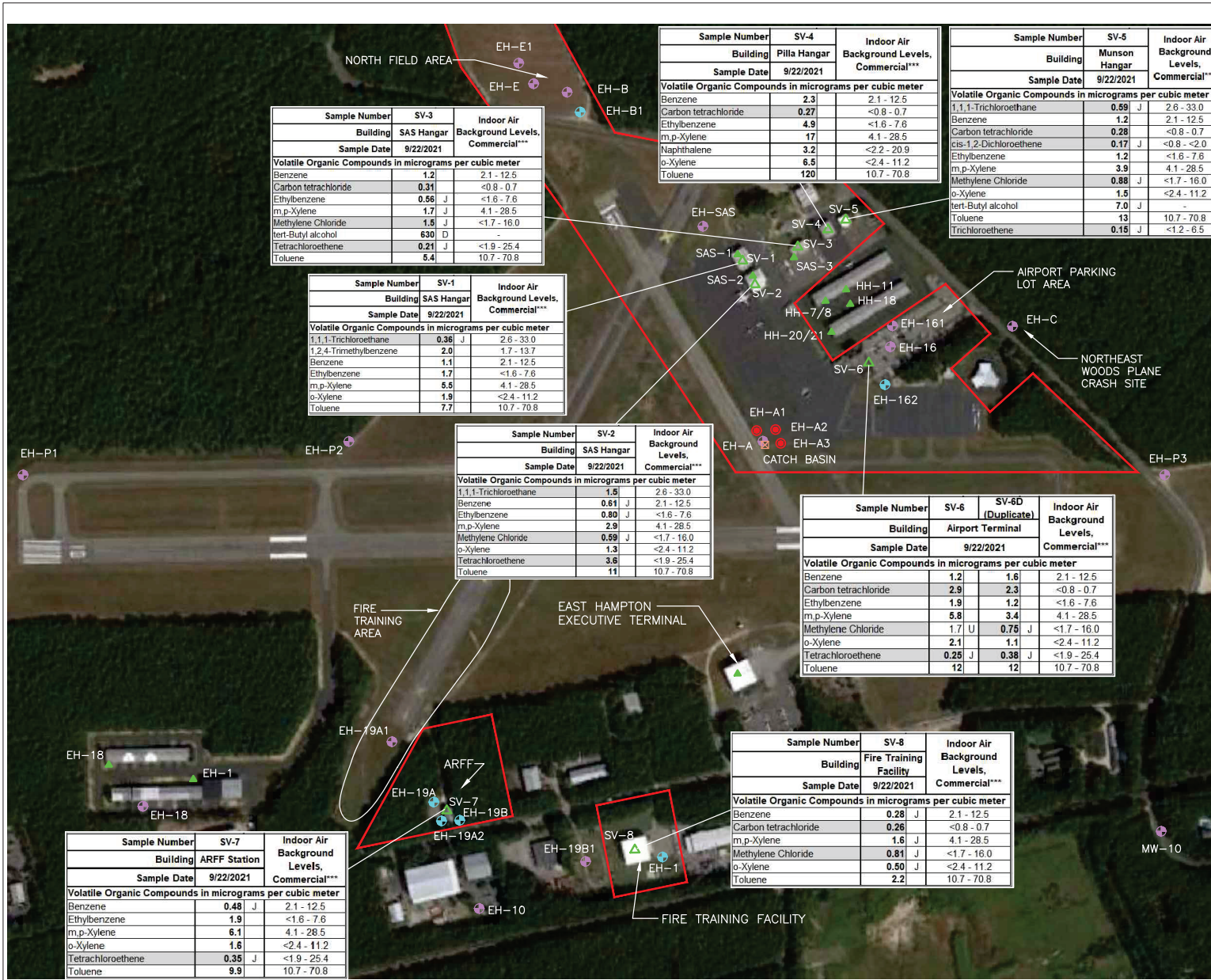
- ALL PFAS DETECTIONS ARE REPORTED
- DETECTIONS OF OTHER ANALYTES ARE REPORTED IF EXCEEDING NYSDEC SCOs.
- BOLD GRAY-SHADED VALUES EXCEED NYSDEC UNRESTRICTED USE SCO.
- BOLD YELLOW-SHADED VALUES EXCEED NYSDEC PROTECTION OF GROUNDWATER SCO.
- BOLD GRAY-SHAPED RED-BOXED VALUES EXCEED PROPOSED NYSDEC PROTECTION OF GROUNDWATER SCO.



FPM GROUP

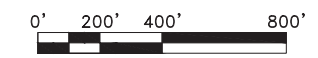
FIGURE 2.1.5.1
FIRE TRAINING AREA SOIL
EAST HAMPTON AIRPORT SITE
WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 1/6/21



- LEGEND:**
- SITE BOUNDARY
 - ⊕ PREVIOUS SAMPLING LOCATIONS
 - ⊕ PERMANENT WELL
 - ⊕ MONITORING WELL/PIEZOMETER
 - ⊙ SOIL BORING
 - ⊠ CATCH BASIN
 - ▲ TAP LOCATION
 - RI SOIL VAPOR SAMPLING LOCATIONS
 - ▲ SV-1 SOIL VAPOR

- NOTES FOR SOIL VAPOR DATA:**
- THE NYSDOH PROVIDES GUIDANCE FOR THE HIGHLIGHTED VOCs.
 - DETECTIONS OF KEY PETROLEUM VOCs AND NYSDOH VOCs ARE NOTED. SEE DATA TABLE FOR ALL RESULTS.



FPM GROUP

FIGURE 2.2.1
 SOIL VAPOR SAMPLING LOCATIONS
 EAST HAMPTON AIRPORT SITE
 WAINSCOTT, NEW YORK

Drawn By: B.F. | Checked By: S.D. | Date: 12/21/21

EAST HAMPTON AIRPORT/RI_F/FIGURE 2.2.1 12/21/21.dwg, 2/10/2022 1:35:12 PM, AutoCAD PDF (High-Quality Print).p3