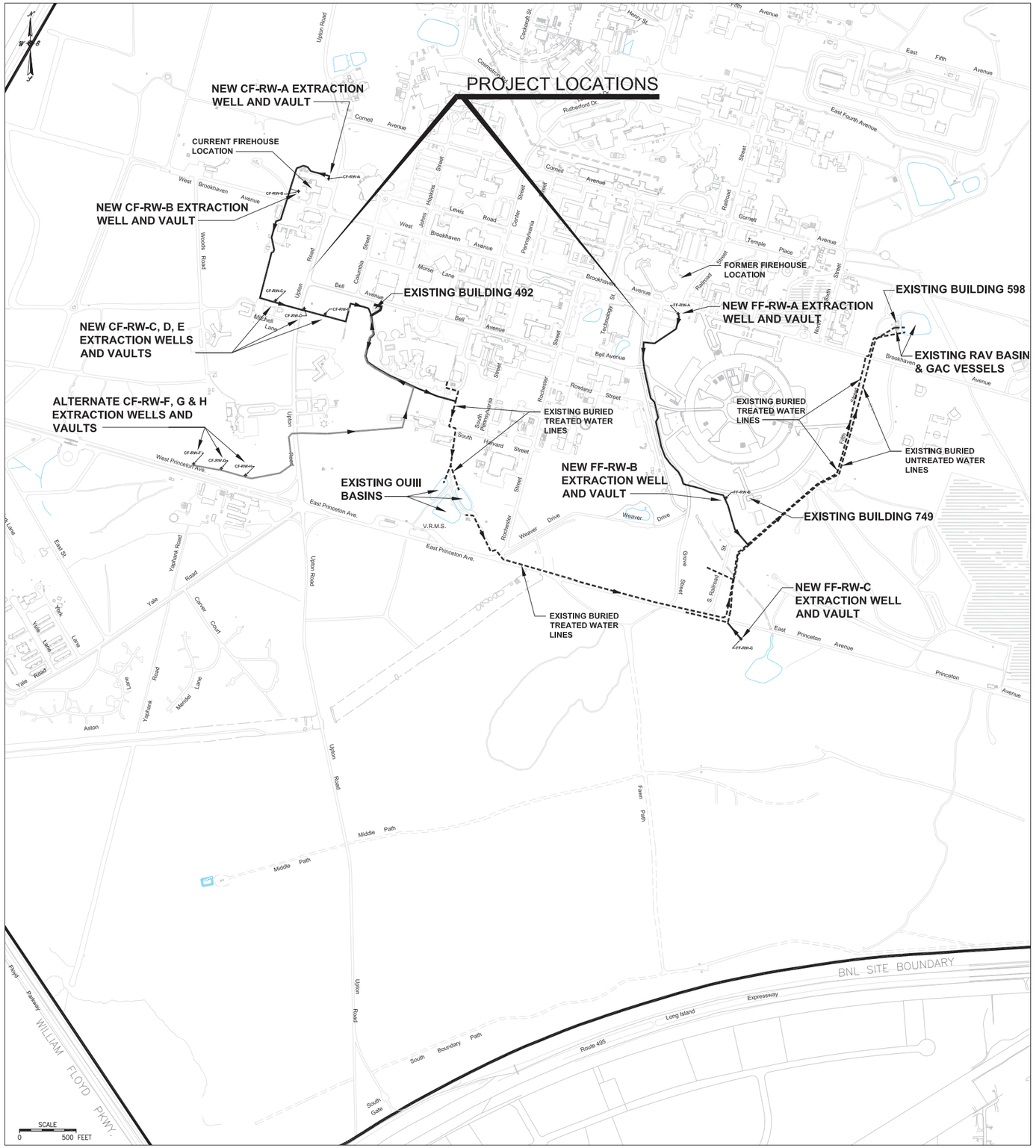
PFAS SOURCE AREA GROUNDWATER REMEDIATION PROJECT

Current Firehouse and Former Firehouse areas

100% Design Submittal



LOCATION MAP
SCALE: 1" = 500'

DRAWING LIST		
SHEET	DRAWING	TITLE
1	T-1	TITLE SHEET, LOCATION PLAN & DRAWING INDEX
2	SP-1	CURRENT & FORMER FIREHOUSE PFAS PLUME DISTRIBUTIONS
3	S-1CF	CURRENT FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 1 OF 5
4	S-2CF	CURRENT FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 2 OF 5
5	S-3CF	CURRENT FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 3 OF 5
6	S-4CF	CURRENT FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 4 OF 5
7	S-5CF	CURRENT FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 5 OF 5
8	E-1CF	CURRENT FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 1 OF 5
9	E-2CF	CURRENT FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 2 OF 5
10	E-3CF	CURRENT FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 3 OF 5
11	E-4CF	CURRENT FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 4 OF 5
12	E-5CF	CURRENT FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 5 OF 5
13	M-1CF	CURRENT FIREHOUSE MECHANICAL DETAILS - 1 OF 3
14	M-2CF	CURRENT FIREHOUSE MECHANICAL DETAILS - 2 OF 3
15	M-3CF	CURRENT FIREHOUSE MECHANICAL DETAILS - 3 OF 3
16	S-1FF	FORMER FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 1 OF 4
17	S-2FF	FORMER FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 2 OF 4
18	S-3FF	FORMER FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 3 OF 4
19	S-4FF	FORMER FIREHOUSE SITE PLAN (MECHANICAL & ELECTRICAL) - 4 OF 4
20	S-5FF	FORMER FIREHOUSE SITE PLAN DETAILS AT RAV BASIN
21	A-1FF	FORMER FIREHOUSE-NEW GAC BUILDING SECTION & DETAILS
22	A-2FF	FORMER FIREHOUSE-NEW GAC BUILDING ELEVATIONS
23	E-1FF	FORMER FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 1 OF 5
24	E-2FF	FORMER FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 2 OF 5
25	E-3FF	FORMER FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 3 OF 5
26	E-4FF	FORMER FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 4 OF 5
27	E-5FF	FORMER FIREHOUSE ELECTRICAL AND CONTROLS DETAILS - 5 OF 5
28	E-6	ELECTRICAL DETAILS - 1 OF 1
29	M-4	MECHANICAL DETAILS - 1 OF 2
30	M-5	MECHANICAL DETAILS - 2 OF 2
31	W-1	EXTRACTION AND MONITORING WELL DETAILS
32	CC-1	COMMUNICATIONS AND CONTROLS - 1 OF 2
33	CC-2	COMMUNICATIONS AND COMMUNICATIONS - 2 OF 2

FINAL DESIGN

JOB NO.	SHEET	NO	REVISION	DATE	DWN.	APP'D.	QA
14011	T-1	1	NYSDEC Review 06/29/21	06/30/21	AJZ	VJR	

BROOKHAVEN NATIONAL LABORATORY

UNDER CONTRACT WITH
UNITED STATES DEPARTMENT OF ENERGY
ENVIRONMENTAL MANAGEMENT DIRECTORATE &
ENVIRONMENTAL PROTECTION DIVISION
UPTON, NEW YORK 11973

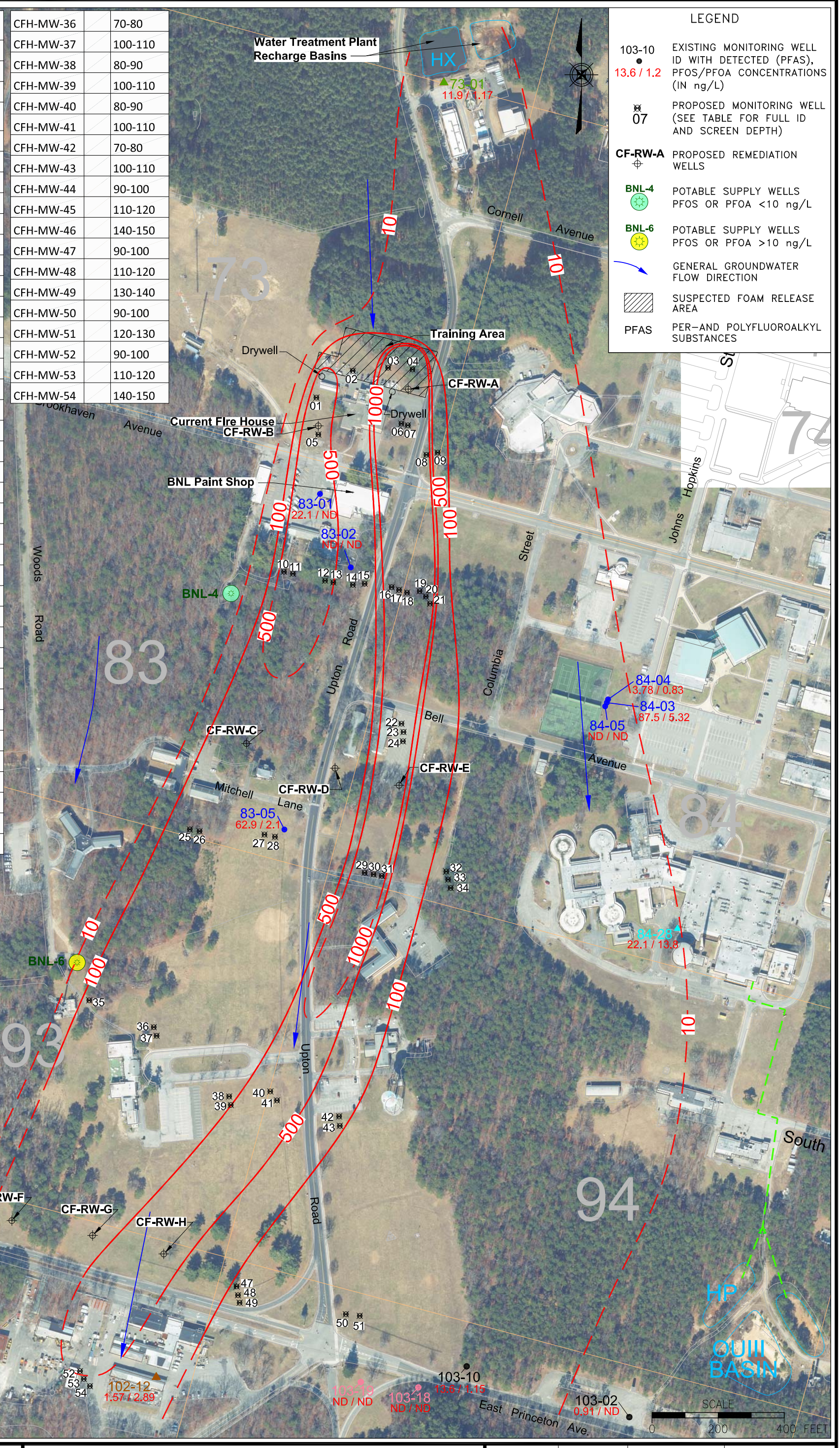
STATE OF NEW YORK · JAMES R. HOLZMACHER · No. 66054 · LICENSED PROFESSIONAL ENGINEER

J.R. HOLZMACHER P.E., LLC
The Third Generation of Excellence in
Water Supply, Water Resources, Civil and Environmental Engineering
3555 Veterans Memorial Highway, Suite A, Ronkonkoma NY 11779
PHONE: (631) 234-2220 FAX: (631) 234-2221 E-MAIL: info@holzmacher.com

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL

JOB TITLE	PFAS SOURCE AREA GROUNDWATER REMEDIATION PROJECT
DWG. TITLE	TITLE SHEET, LOCATION PLAN & DRAWING INDEX
ILR,GPP,LNI, HEM	–
DATE	4/1/2021
ACCT. NO.	21097
SHEET	1 OF 33
SCALE	AS SHOWN
DWN. BY	AJZ
JOB NO.	14011
DWG. NO.	T-1
PROJ. QA	A3-MINOR
APP'D. BY	JRH
BLDG. NO.	–
PATH:	–

Current Firehouse PFAS Plume		
Permanent Monitoring Wells		
Time Critical Removal Action		
Well ID		Screen Ft BLS
CFH-MW-01		35-50
CFH-MW-02		35-50
CFH-MW-03		35-50
CFH-MW-04		35-50
CFH-MW-05		35-50
CFH-MW-06		35-50
CFH-MW-07		55-65
CFH-MW-08		45-50
CFH-MW-09		55-65
CFH-MW-10		50-60
CFH-MW-11		70-80
CFH-MW-12		50-60
CFH-MW-13		70-80
CFH-MW-14		50-60
CFH-MW-15		70-80
CFH-MW-16		60-70
CFH-MW-17		100-110
CFH-MW-18		120-130
CFH-MW-19		60-70
CFH-MW-20		90-100
CFH-MW-21		120-130
CFH-MW-22		90-100
CFH-MW-23		120-130
CFH-MW-24		140-150
CFH-MW-25		70-80
CFH-MW-26		120-130
CFH-MW-27		90-100
CFH-MW-28		120-130
CFH-MW-29		90-100
CFH-MW-30		120-130
CFH-MW-31		140-150
CFH-MW-32		90-100
CFH-MW-33		120-130
CFH-MW-34		140-150
CFH-MW-35		120-130
CFH-MW-36		70-80
CFH-MW-37		100-110
CFH-MW-38		80-90
CFH-MW-39		100-110
CFH-MW-40		80-90
CFH-MW-41		100-110
CFH-MW-42		70-80
CFH-MW-43		100-110
CFH-MW-44		90-100
CFH-MW-45		110-120
CFH-MW-46		140-150
CFH-MW-47		90-100
CFH-MW-48		110-120
CFH-MW-49		130-140
CFH-MW-50		90-100
CFH-MW-51		120-130
CFH-MW-52		90-100
CFH-MW-53		110-120
CFH-MW-54		140-150



Q:\2020\BNLab\20-03 PFAS GW Remediation\Task 6 – Design Report\02 Figures Plans\ACAD\Fig_1a Current FH PFAS 063021 with new MWs.dwg

BROOKHAVEN NATIONAL LABORATORY

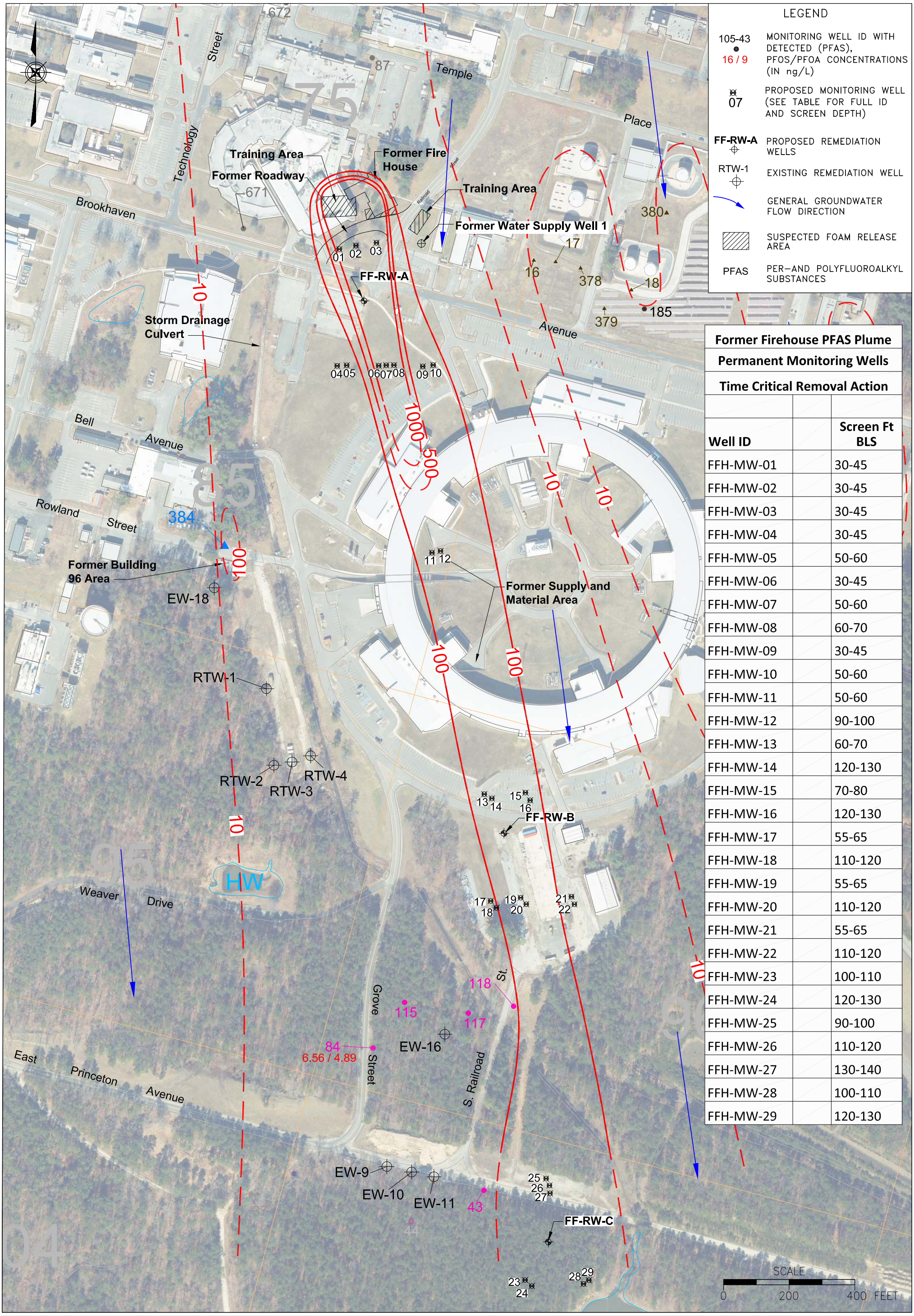
ENVIRONMENTAL PROTECTION DIVISION

TITLE:

CURRENT FIREHOUSE PROPOSED MONITORING AND EXTRACTION WELL LOCATIONS

TIME CRITICAL REMOVAL ACTION, PFAS CHARACTERIZATION REPORT

DWN:	VT: HZ.:	DATE:	PROJECT NO.:
AJZ	–	06/17/20	–
CHKD:	APPD:	REV.:	NOTES:
DEP	DEP	06/30/21	–
FIGURE NO.:			
1a			



Former Firehouse PFAS Plume Permanent Monitoring Wells Time Critical Removal Action		
Well ID		Screen Ft BLS
FFH-MW-01		30-45
FFH-MW-02		30-45
FFH-MW-03		30-45
FFH-MW-04		30-45
FFH-MW-05		50-60
FFH-MW-06		30-45
FFH-MW-07		50-60
FFH-MW-08		60-70
FFH-MW-09		30-45
FFH-MW-10		50-60
FFH-MW-11		50-60
FFH-MW-12		90-100
FFH-MW-13		60-70
FFH-MW-14		120-130
FFH-MW-15		70-80
FFH-MW-16		120-130
FFH-MW-17		55-65
FFH-MW-18		110-120
FFH-MW-19		55-65
FFH-MW-20		110-120
FFH-MW-21		55-65
FFH-MW-22		110-120
FFH-MW-23		100-110
FFH-MW-24		120-130
FFH-MW-25		90-100
FFH-MW-26		110-120
FFH-MW-27		130-140
FFH-MW-28		100-110
FFH-MW-29		120-130

Q:\2020\BNLab\20-03 PFAS GW Remediation\Task 6 – Design Report\02 Figures Plans\ACAD\Fig_11a Former FH PFAS 063021 with new MWs.dwg

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

FORMER FIREHOUSE PROPOSED MONITORING AND EXTRACTION WELL LOCATIONS

TIME CRITICAL REMOVAL ACTION, PFAS CHARACTERIZATION REPORT

DWN:	VT: HZ.:	DATE:	PROJECT NO.:
AJZ	–	02/5/20	–
CHKD:	APPD:	REV.:	NOTES:
DEP	DEP	06/30/21	–

FIGURE NO.: 11a