

WATER WELL RECORD (WWC-5)

KOLAR DOC ID _____ WELL ID _____
 Original Record Correction Change in Well Use

LOCATION OF WATER WELL

| | | | | | | | | | | | | | | |
|----------|--|-----------|--|---------|--|----------|--|-------|--|--------|----------|---|---|---|
| Latitude | | Longitude | | Section | | Township | | Range | | E W | Fraction | ¼ | ¼ | ¼ |
| Datum | | Elevation | | County | | | | | | | | | | |

WATER WELL OWNER

| | |
|--------------------|--|
| Name | |
| Business | |
| Address | |
| Well location | |
| at owner's address | |

WELL WATER USE

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COMPLETION

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|--|
| Depth of completed well: _____ ft. |
| Depth(s) groundwater encountered: |
| (1) _____ ft.; (2) _____ ft.; |
| (3) _____ ft.; (4) dry well |
| Static water level in well: _____ ft. |
| measured below land surface |
| on (mm/dd/yy): _____ |
| measured above land surface |
| on (mm/dd/yy): _____ |
| Estimated yield: _____ gpm |
| Water level was: _____ ft. after _____ hours |
| pumping _____ gpm |
| Pump installed? Yes No |
| Water well disinfected? Yes No |
| Date disinfected (mm/dd/yy): _____ |
| Aquifer, if known: |

NEAREST SOURCE OF POTENTIAL CONTAMINATION

| |
|---|
| Source: _____ |
| Distance from well: _____ Direction from well: _____ |
| Source description: _____ |
| Source: _____ |
| Distance from well: _____ Direction from well: _____ |
| Source description: _____ |
| No potential source of contamination within 100 feet. |

CONSTRUCTION

| | |
|--|--------------------|
| Borehole interval: | Borehole diameter: |
| from _____ to _____ ft. | _____ in. |
| from _____ to _____ ft. | _____ in. |
| Casing height above land surface: _____ in. | |
| If casing height is less than 12 in. has a variance been approved?* | |
| Yes No | |
| *variance not required for monitoring or environmental remediation wells | |
| Casing type: _____ | |
| Blank casing interval: _____ ft. to _____ ft. | |
| Blank casing diameter: _____ in. | |
| Casing joints: _____ | |
| Weight: _____ lbs/ft. | |
| Wall thickness or gauge no.: _____ | |
| Blank casing interval: _____ ft. to _____ ft. | |
| Blank casing diameter: _____ in. | |
| Casing joints: _____ | |
| Weight: _____ lbs/ft. | |
| Wall thickness or gauge no.: _____ | |
| Grout interval: _____ ft. to _____ ft. | |
| Grout material: _____ | |
| Grout interval: _____ ft. to _____ ft. | |
| Grout material: _____ | |
| Screen / perforation material: _____ | |
| Screen / perforation openings: _____ | |
| Screen / perforation intervals: | |
| From _____ ft. to _____ ft. | |
| Slot size _____ unit _____ | |
| From _____ ft. to _____ ft. | |
| Slot size _____ unit _____ | |
| Gravel pack intervals: | |
| Gravel pack not used: Gravel size _____ in | |
| From _____ ft. to _____ ft. | |
| Gravel pack not used: Gravel size _____ in | |
| From _____ ft. to _____ ft. | |

PERMIT & ID NUMBERS (AS REQUIRED)

| |
|---|
| DWR Application No.: _____ |
| KDHE / EPA Project Code: _____ |
| Site Name: _____ |
| KDHE UIC Class V Form Completed: Yes No |
| County Permit: Yes No Permit ID: _____ |
| Lease Name & Well #: _____ |
| # of boreholes: _____ # of dewatering wells: _____ |

LITHOLOGIC LOG

| FROM | TO | LITHOLOGY INTERVALS |
|------|----|---------------------|
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COMMENTS

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CONTRACTOR'S OR LANDOWNERS CERTIFICATION

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| This water well was constructed reconstructed pursuant to the stated water well contractor's license and was completed on _____. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on _____ under the business name of _____, Kansas Water Well Contractor's License No. _____ under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: _____. |
|---|

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

| | |
|------------|---|
| Form | WWC5.2 - Water Well Record |
| Doc ID | 1801191 |
| Well Owner | KANSAS ARMY NATIONAL GUARD |
| Contractor | Plains Environmental Services, Inc. - #1039 |

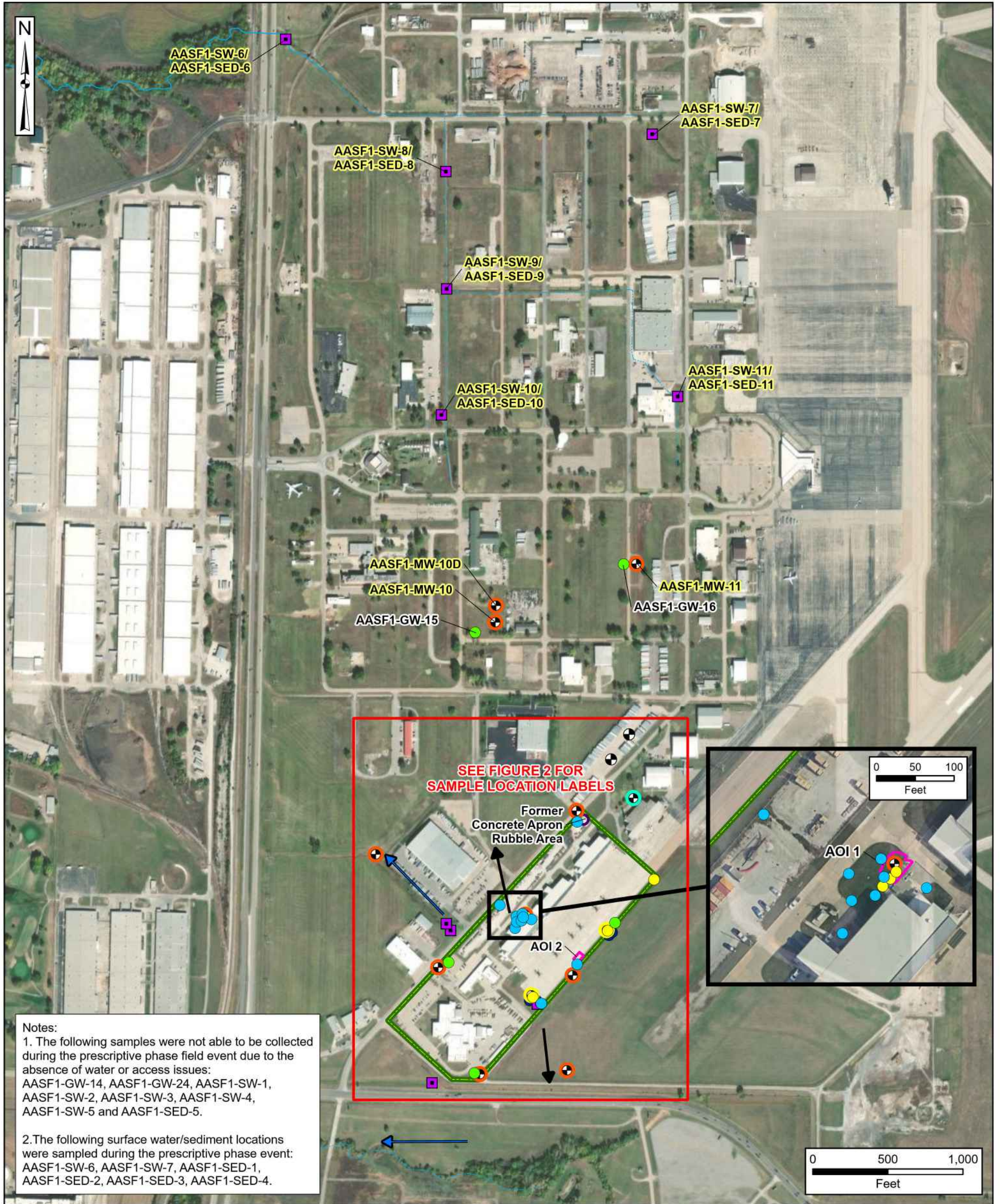
Grout

| From | To | Grout Material |
|------|-----|----------------|
| 0 | 1 | Cement |
| 1 | 3.4 | Neat Cement |
| 3.4 | 4.5 | Bentonite |



PFAS Remedial Investigation Topeka AASF, Topeka, Kansas

Figure 1 FPR001 Proposed Sampling Locations for AOI 1 and AOI 2 (Overview)



Notes:
 1. The following samples were not able to be collected during the prescriptive phase field event due to the absence of water or access issues:
 AASF1-GW-14, AASF1-GW-24, AASF1-SW-1, AASF1-SW-2, AASF1-SW-3, AASF1-SW-4, AASF1-SW-5 and AASF1-SED-5.
 2. The following surface water/sediment locations were sampled during the prescriptive phase event:
 AASF1-SW-6, AASF1-SW-7, AASF1-SED-1, AASF1-SED-2, AASF1-SED-3, AASF1-SED-4.

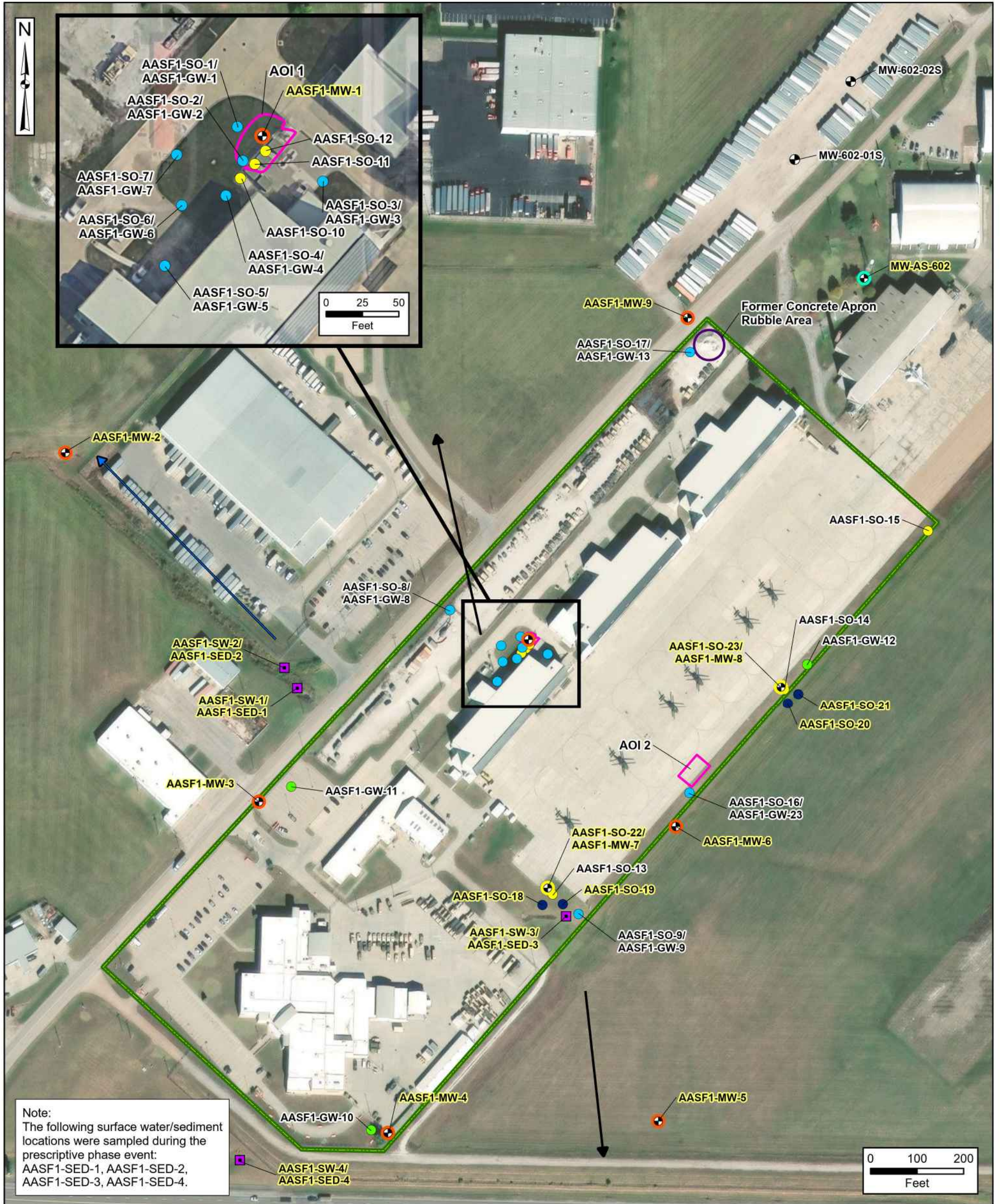
| | | | |
|--------------------------|--------------------------------------|--|------------------------|
| Facility Boundary | Surface Water Flow Direction | Proposed Adaptive Sample Locations | AOI = area of interest |
| Area of Interest | Estimated Groundwater Flow Direction | Soil (Hand Auger) (4 total) | |
| Secondary Release Area | Prescriptive Sample Locations | Surface Water/Sediment (10 total) | |
| River/Stream (Perennial) | Soil | Existing Monitoring Well (Grab Sample) (1 total) | |
| Stream (Intermittent) | Soil Boring/Grab Groundwater | New Permanent Monitoring Well (10 total) | |
| NHD Waterbody | Grab Groundwater | Soil Boring/Permanent Monitoring Well (2 total) | |
| | Existing Monitoring Well | | |

Data Sources:
 AECOM, GIS Data
 ESRI, ArcGIS Online, Aerial Imagery
 Google Earth, Aerial Imagery (Inset)
 Coordinate System:
 WGS 1984, UTM Zone 15 North



PFAS Remedial Investigation
Topeka AASF, Topeka, Kansas

Figure 2
FPR001 Proposed Sampling Locations for
AOI 1 and AOI 2 (Facility Only)



Note:
The following surface water/sediment
locations were sampled during the
prescriptive phase event:
AASF1-SED-1, AASF1-SED-2,
AASF1-SED-3, AASF1-SED-4.

- | | | | |
|--------------------------------------|--------------------------------------|--|------------------------|
| Facility Boundary | Prescriptive Sample Locations | Proposed Adaptive Sample Locations | AOI = area of interest |
| Area of Interest | Soil | Soil (Hand Auger) (4 total) | |
| Secondary Release Area | Soil Boring/Grab Groundwater | Surface Water/Sediment (10 total) | |
| Surface Water Flow Direction | Grab Groundwater | Existing Monitoring Well (Grab Sample) (1 total) | |
| Estimated Groundwater Flow Direction | Existing Monitoring Well | New Permanent Monitoring Well (10 total) | |
| | | Soil Boring/Permanent Monitoring Well (2 total) | |

Data Sources:
AECOM, GIS Data
ESRI, ArcGIS Online, Aerial Imagery
Google Earth, Aerial Imagery (Inset)

Coordinate System:
WGS 1984, UTM Zone 15 North