



SPRING VALLEY FORMERLY USED DEFENSE SITE

Partners Meeting Presentation
September 2022



US Army Corps
of Engineers®



AGENDA REVIEW



Weston Updates

- Site-Wide Remedial Action
- Public Safety Building

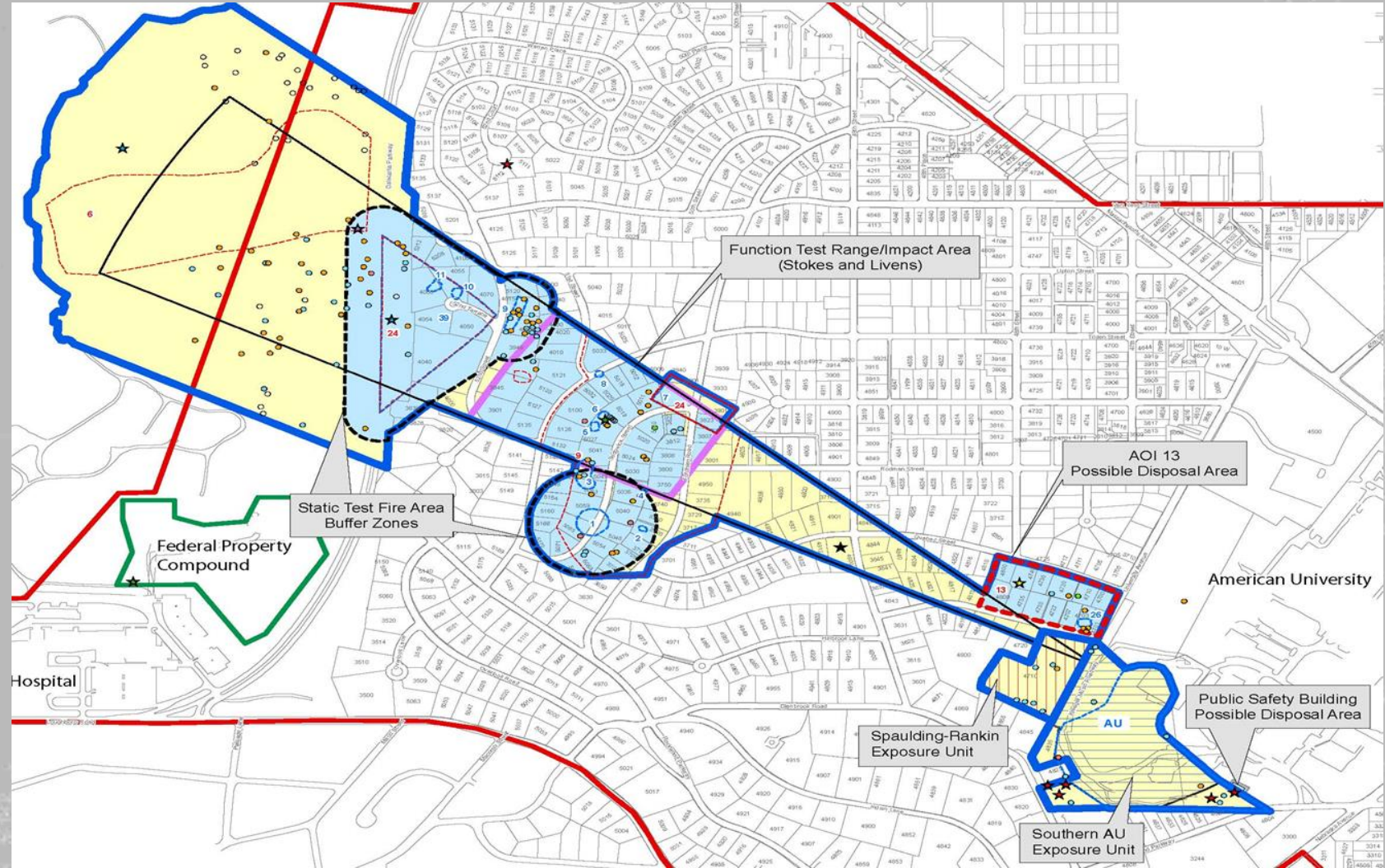
USACE Updates

- Groundwater Study

Future Partners Agenda Development

SVFUDS SITE-WIDE REMEDIATION STATUS SEPTEMBER 2022

Weston Solutions, Inc.
September 8, 2022



US Army Corps
of Engineers®

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RESIDENTIAL PROPERTIES*



- **Property Availability** – None during this reporting period.
- **Vegetation Removal/Blind Seeding** – None conducted during this reporting period.
- **Geophysical Surveys** – None conducted during this reporting period.

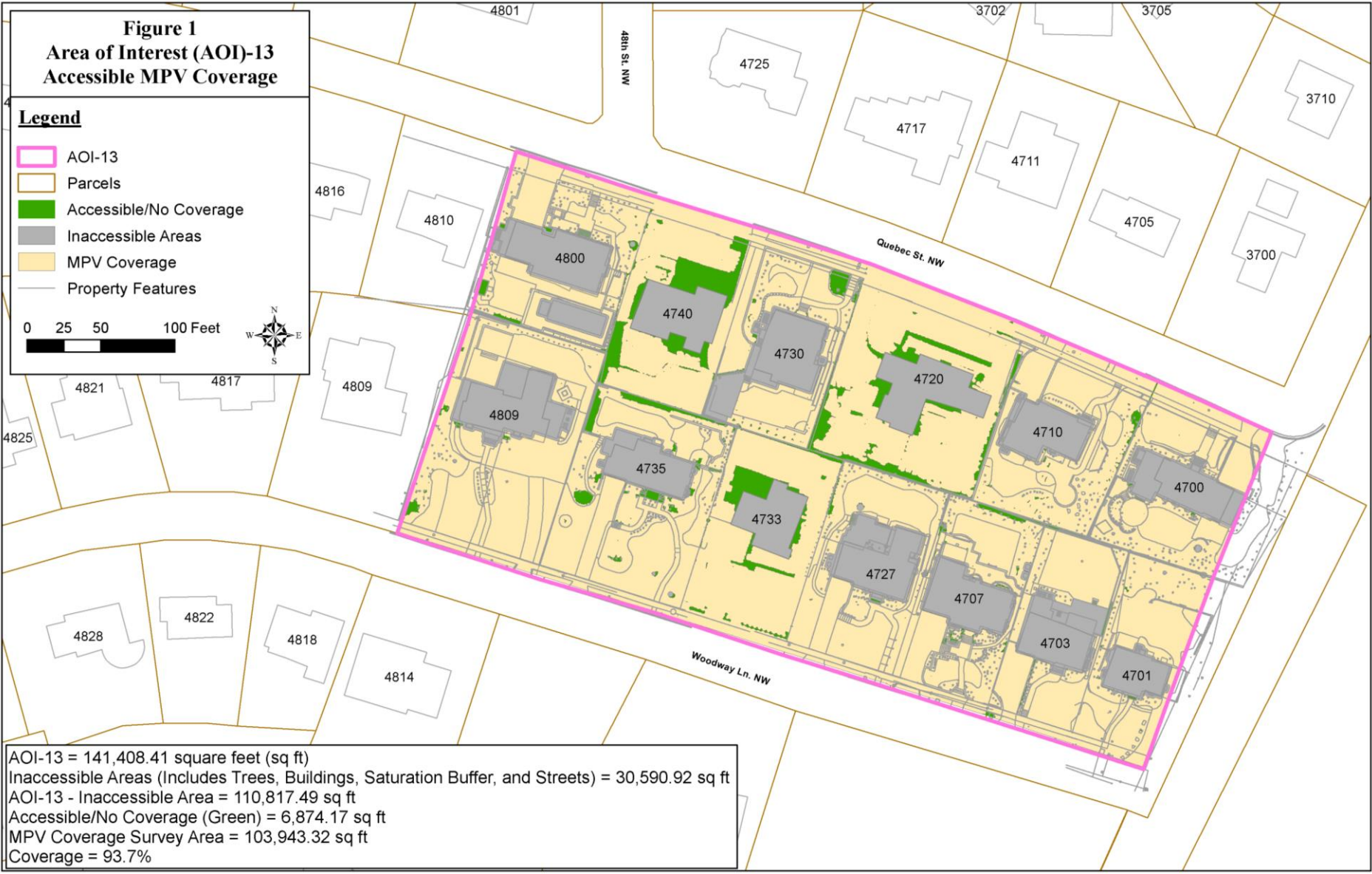


*info provided includes progress since last Partners presentation dated June 25, 2022.

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GEOPHYSICAL SURVEY COVERAGE



AOI-13

- MPV Survey Coverage of accessible areas = 93.7%
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- Inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees
- Includes coverage from MPV surveys conducted at 3 residential properties during the Pilot Study

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GEOPHYSICAL SURVEY COVERAGE

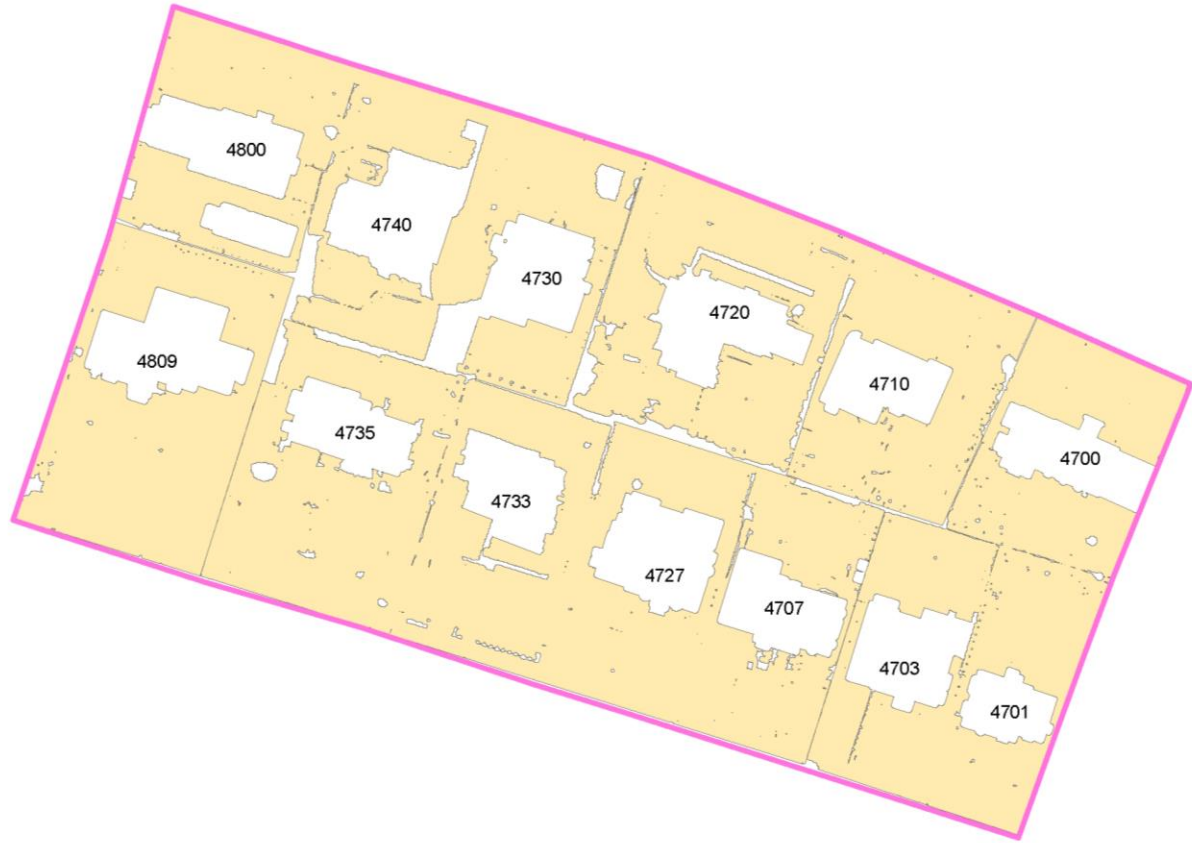


Figure 2
Area of Interest (AOI)-13
Overall MPV Coverage

Legend

- AOI-13
- MPV Coverage

0 25 50 100 Feet



AOI-13 = 141,408.41 square feet (sq ft)
MPV Coverage Survey Area = 103,943.32 sq ft
Survey Coverage = 73.5%

AOI-13

- Overall MPV Survey Coverage of Area of Focus = 73.5%
- Includes coverage from MPV surveys conducted at 3 residential properties during the Pilot Study

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GEOPHYSICAL SURVEY COVERAGE



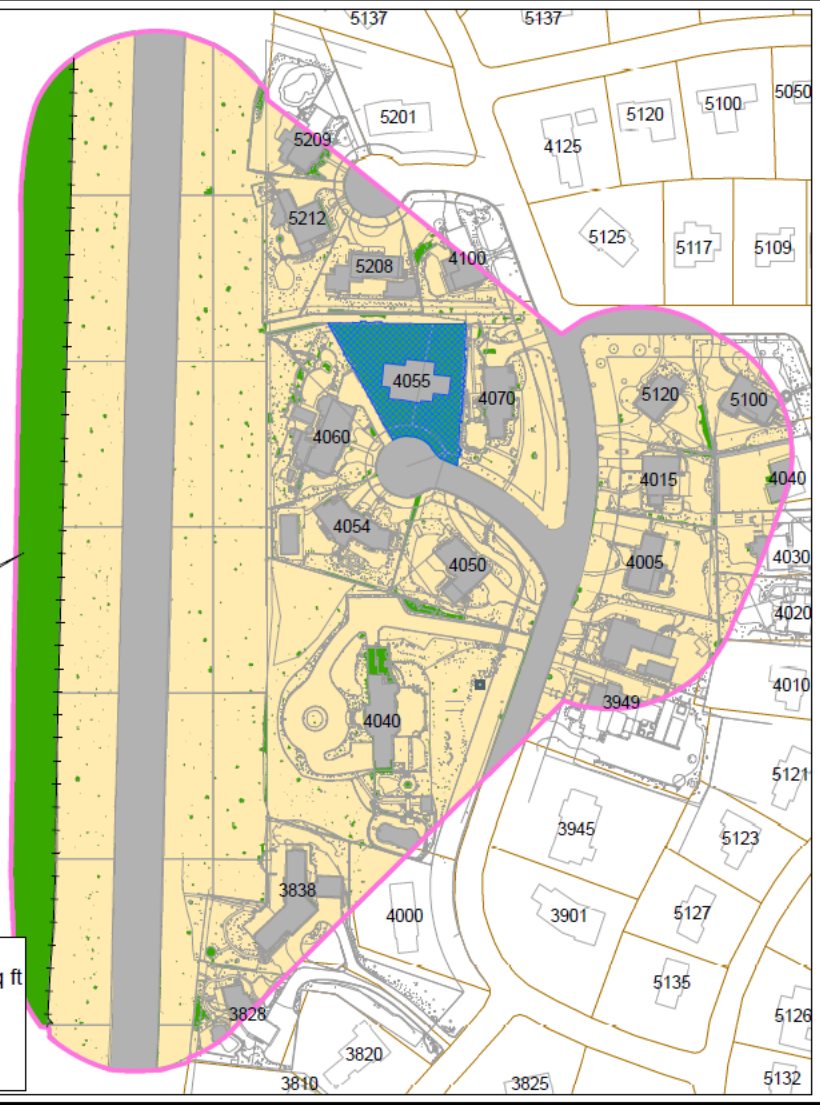
Figure 3
Static Test Fire Area
Buffer Zone Woods
Accessible MPV Coverage

Legend

- Static Test Fire Area
- Buffer Zone Woods
- Parcels
- Yet to be Surveyed
- Accessible/No Coverage
- Inaccessible Areas
- MPV Coverage
- Property Features
- Fence

0 65 130 260 Feet

Dalecarlia Reservoir Property



Static Test Fire Area Buffer Zone = 738,357.13 square feet (sq ft)
 Inaccessible Areas (Includes Trees, Buildings, Saturation Buffer, and Streets) = 169,401.82 sq ft
 Property - Inaccessible Area = 568,955.31 sq ft
 Yet to be Surveyed and Accessible/No Coverage = 89,624.44 sq ft
 MPV Coverage Survey Area = 479,330.87 sq ft
 Coverage = 84.2%

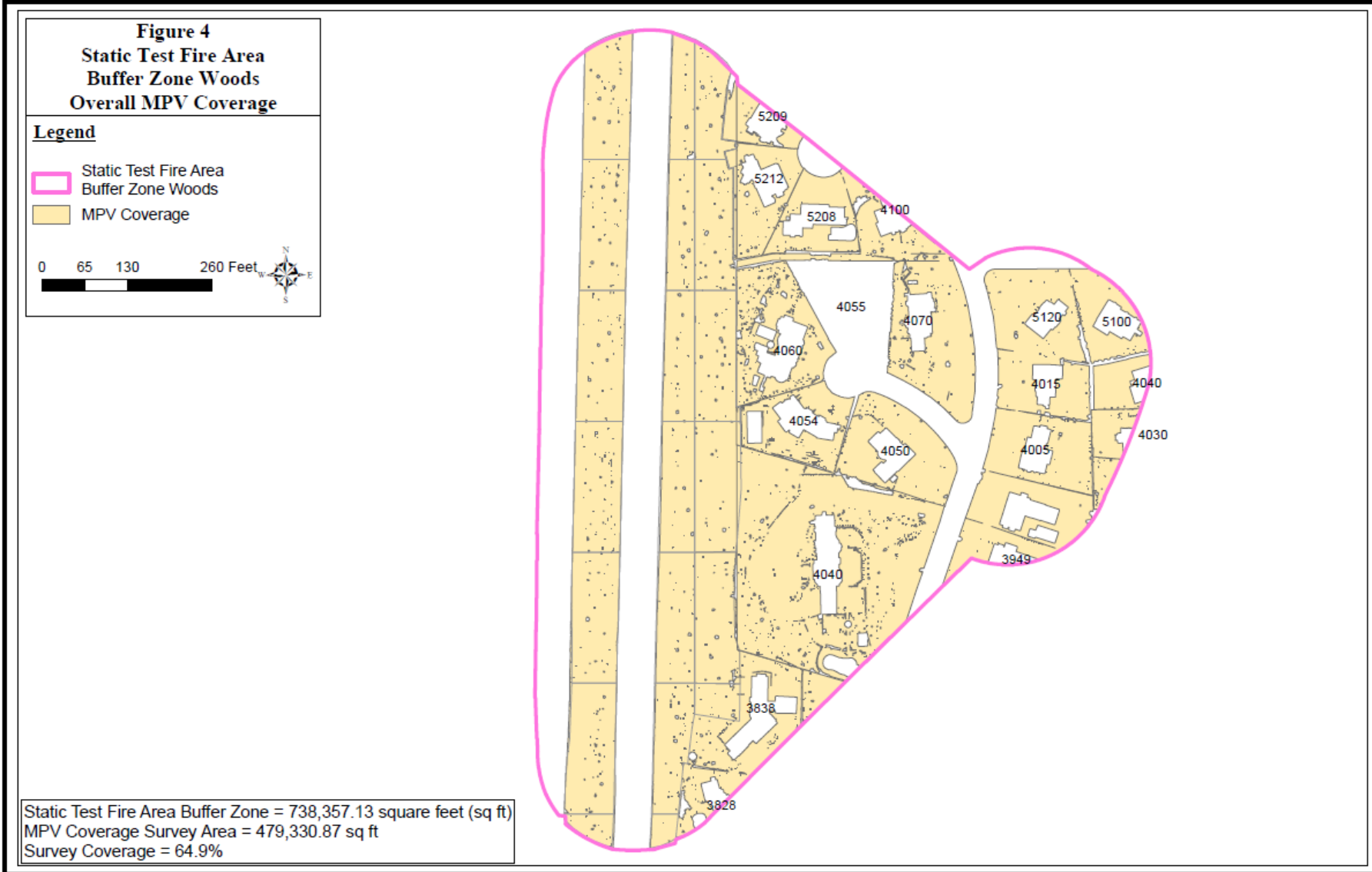
Static Test Fire Area West

- MPV Survey Coverage of accessible areas = 84.2%
- Additional inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- The Dalecarlia Reservoir and one residential property have yet to be surveyed
- MPV Survey Coverage to include the Dalecarlia Reservoir Grids is estimated to be 93.8%.

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GEOPHYSICAL SURVEY COVERAGE



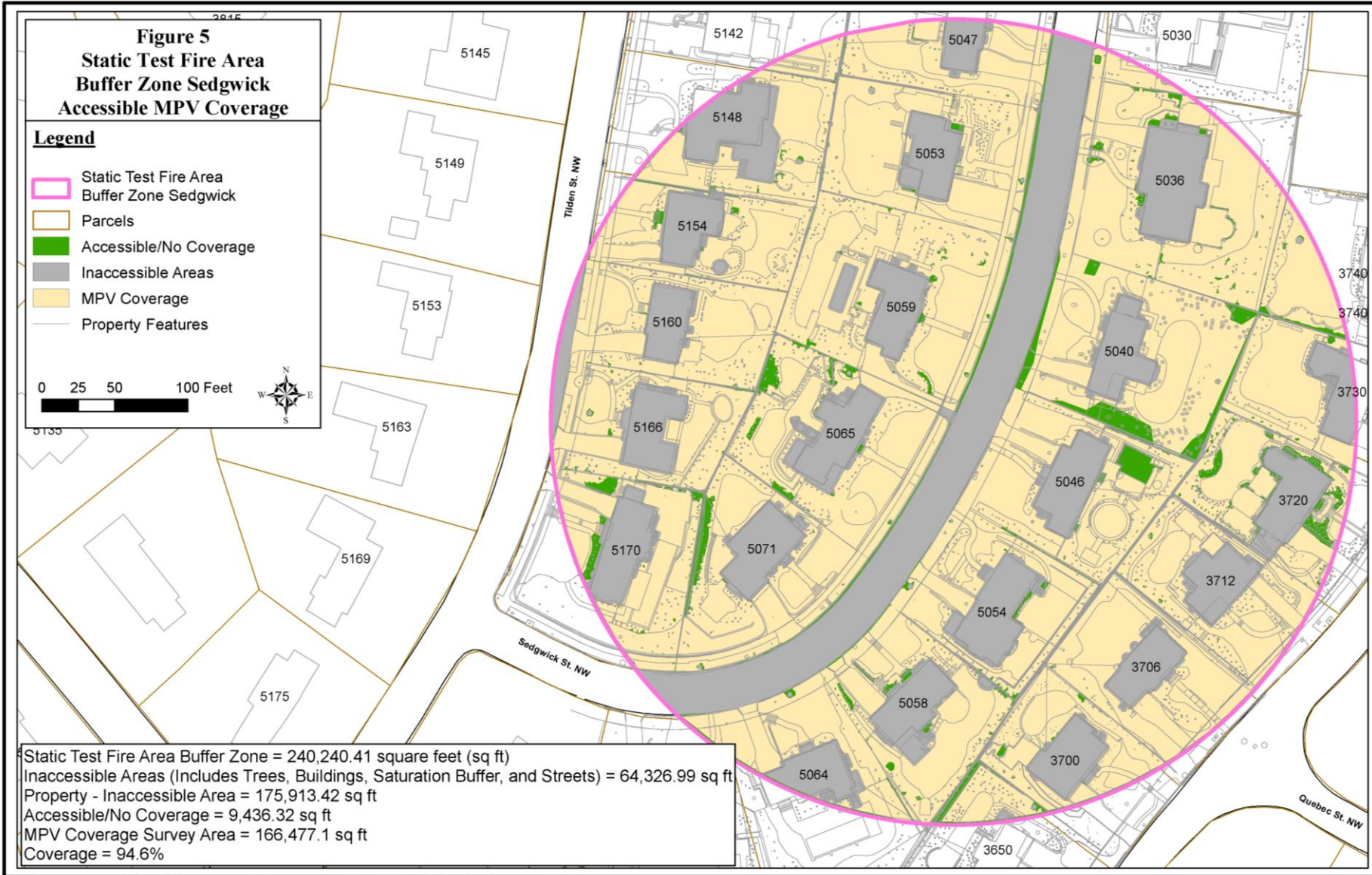
Static Test Fire Area West

- Overall MPV Survey Coverage of Area of Focus = 64.9%
- The Dalecarlia Reservoir and one residential property have yet to be surveyed

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GEOPHYSICAL SURVEY COVERAGE



Static Test Fire Area East

- MPV Survey Coverage of accessible areas = 94.6%
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- Inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees

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GEOPHYSICAL SURVEY COVERAGE

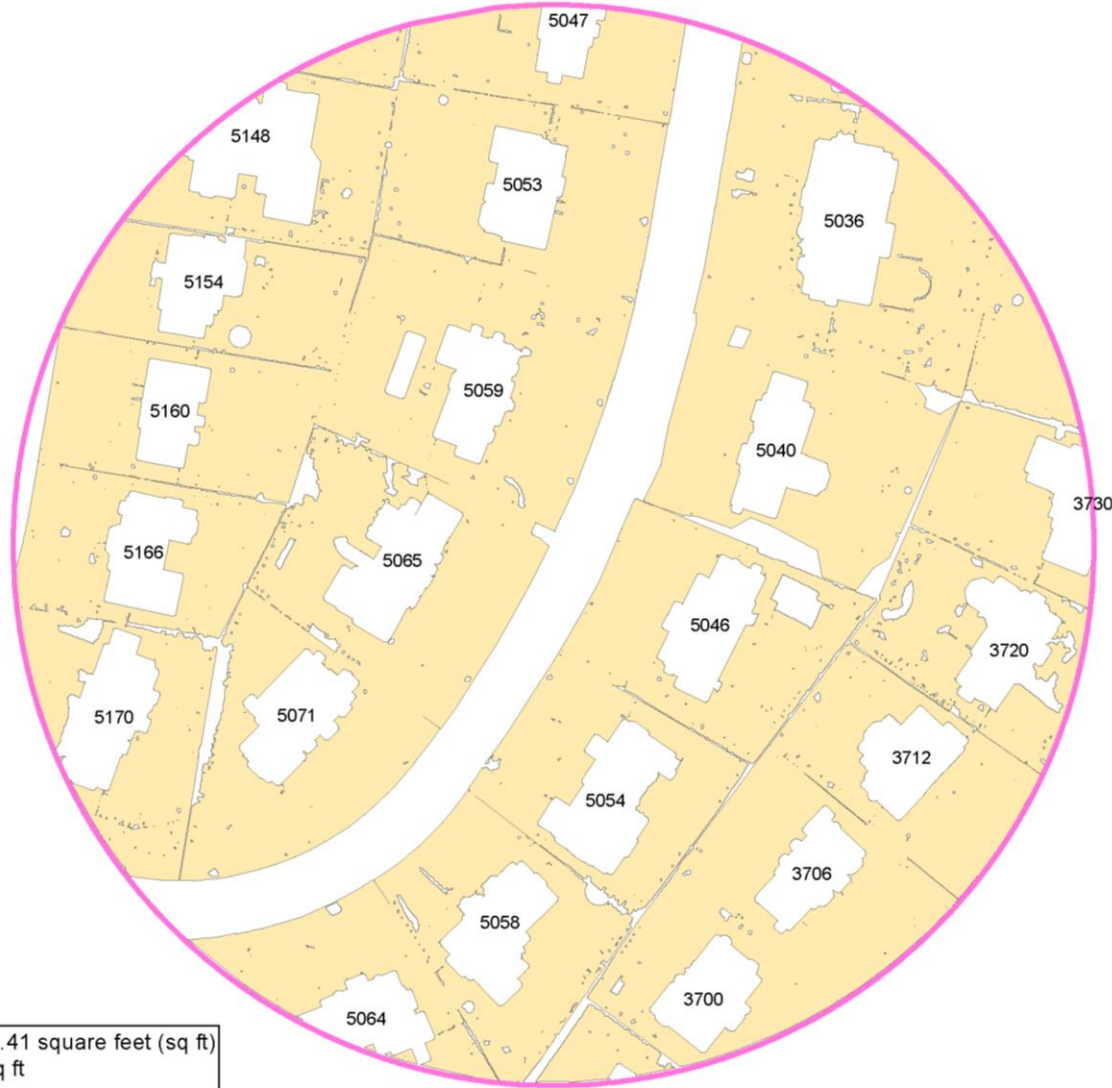


Figure 6
Static Test Fire Area
Buffer Zone Sedgwick
Overall MPV Coverage

Legend

- Static Test Fire Area Buffer Zone Sedgwick
- MPV Coverage

0 25 50 100 Feet



Static Test Fire Area Buffer Zone = 240,240.41 square feet (sq ft)
MPV Coverage Survey Area = 166,477.1 sq ft
Survey Coverage = 69.2%

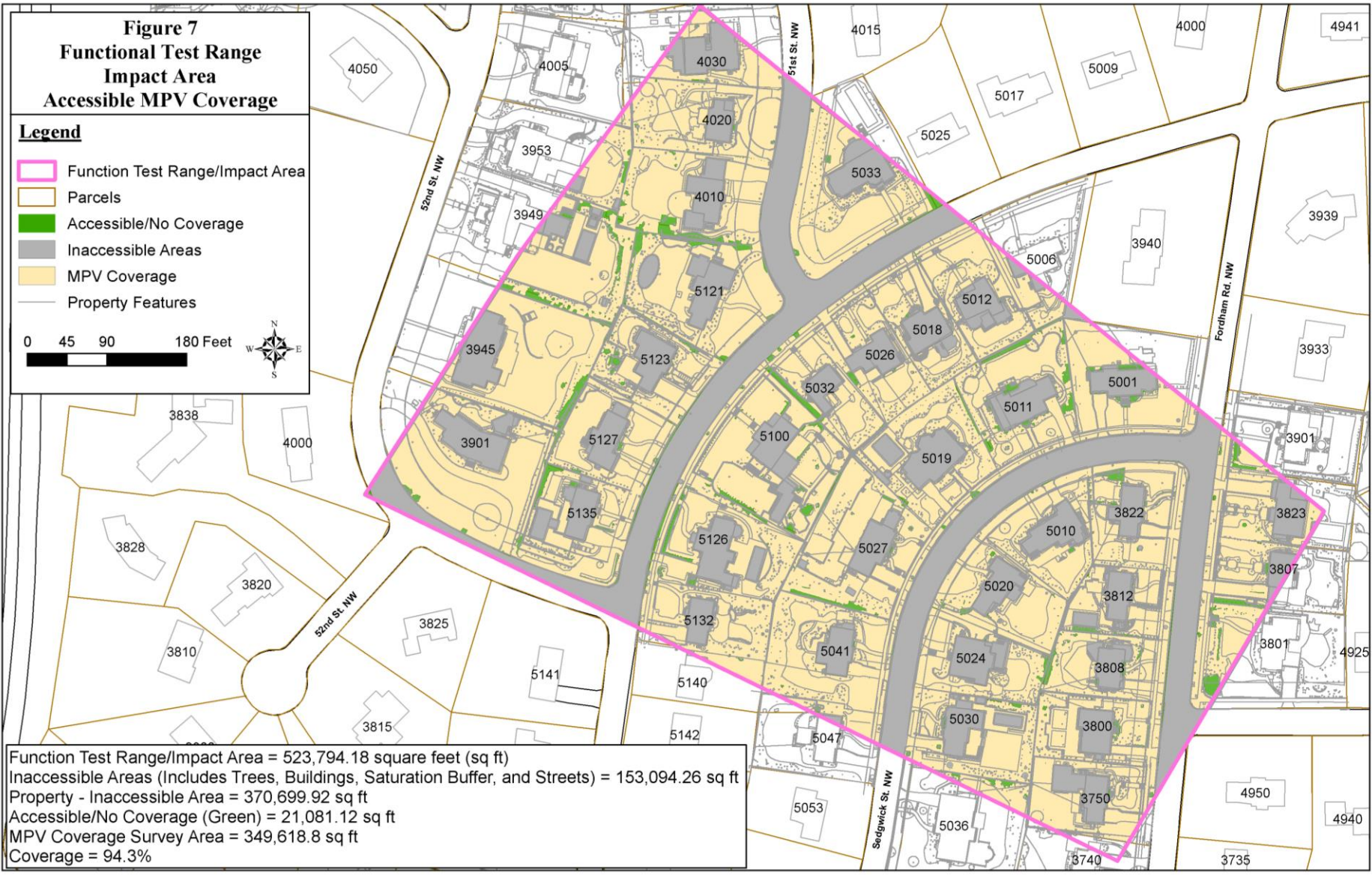
Static Test Fire Area East

- Overall MPV Survey Coverage of Area of Focus = 69.2%

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GEOPHYSICAL SURVEY COVERAGE



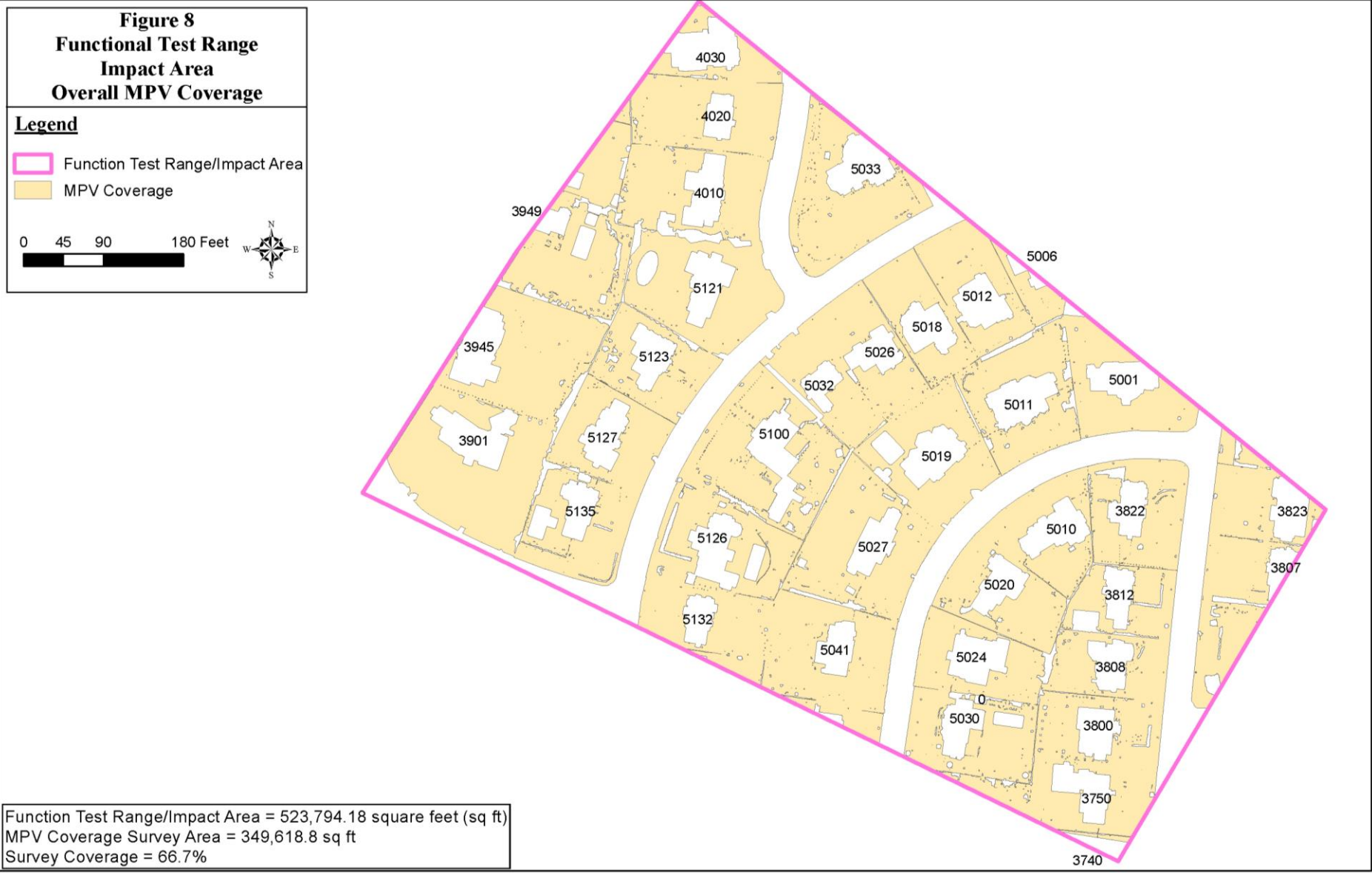
Function Test Range Impact Area

- MPV Survey Coverage of accessible areas = 94.3%
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- Inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees

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GEOPHYSICAL SURVEY COVERAGE



Function Test Range Impact Area

- Overall MPV Survey Coverage of Area of Focus = 66.7%

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INTRUSIVE INVESTIGATIONS UPDATE



Intrusive Investigations:

- None conducted during this reporting period.
- One property owner refusing right-of-entry (4055 52nd Terrace)



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GPO/IVS AREA INTRUSIVE INVESTIGATION

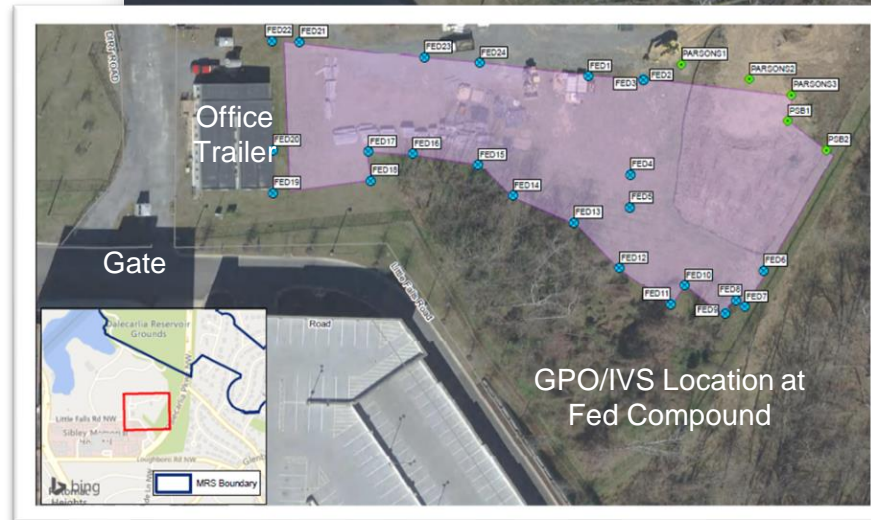
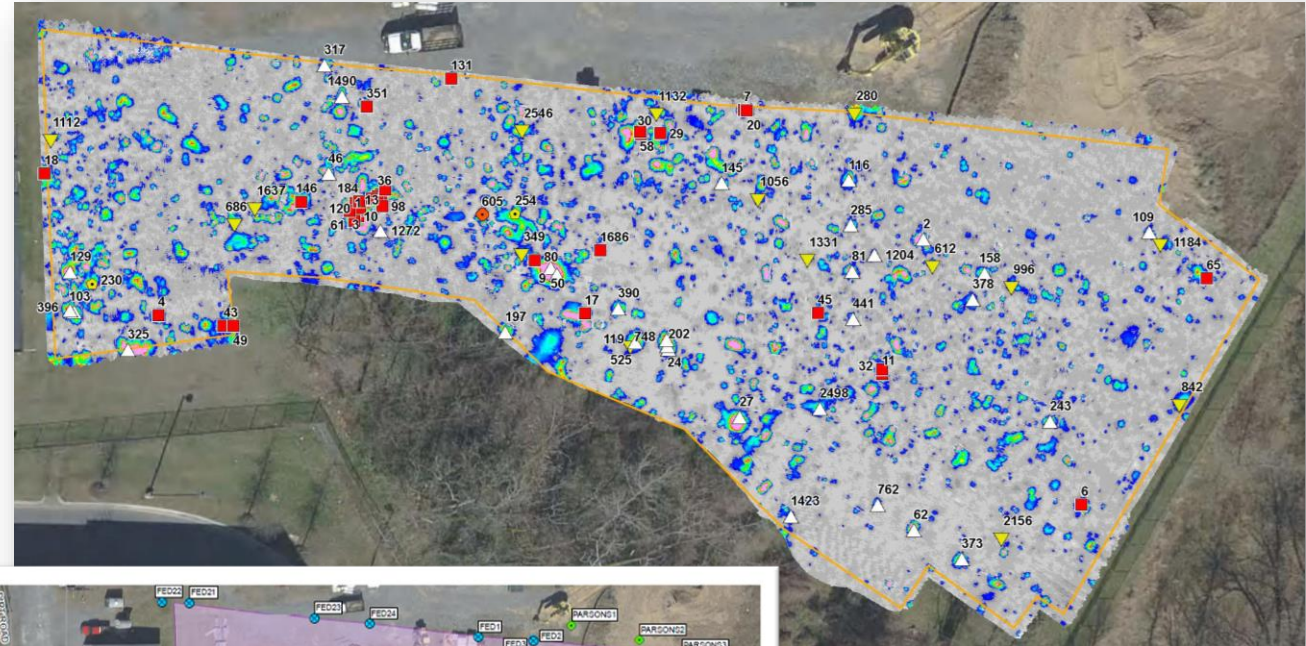


- Federal Compound 0.97-acre GPO/IVS area
 - Used throughout life of SVFUDS to test sensors
 - Includes current Weston IVS that was not disturbed

- Geophysical Surveys
 - Dynamic Surveys Complete October 15, 2021
 - Cued Surveys Completed November 23, 2021

- Intrusive Investigations
 - Completed March 23, 2022
 - 2 MD items identified as former IVS items recovered – no headspace analysis required
 - 75mm Projectile
 - 3-in Stokes Mortar

- Intrusive results submitted to USACE on March 24th



Legend

- Property Boundary
- Mag and Dig Area
- Training Digs
- Cannot Analyze Digs
- Likely TOI Digs
- QC/Verification Digs
- QA/Validation Digs



RESIDENTIAL PROPERTIES – INTRUSIVE STATUS



Intrusive Statistics:

- 91 residential properties completed to date (98.9%)
- 3,121 targets investigated
- MD recovered = 135 (4.3% of total digs)
- MEC recovered (including Civil War cannonball) = 3 (0.10% of total digs)
- WW1-era MEC recovered = 2 (0.06% of total digs)



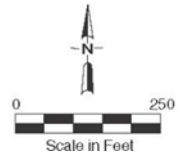
Intrusive Investigations:

Refusing Right-of-Entry

Complete

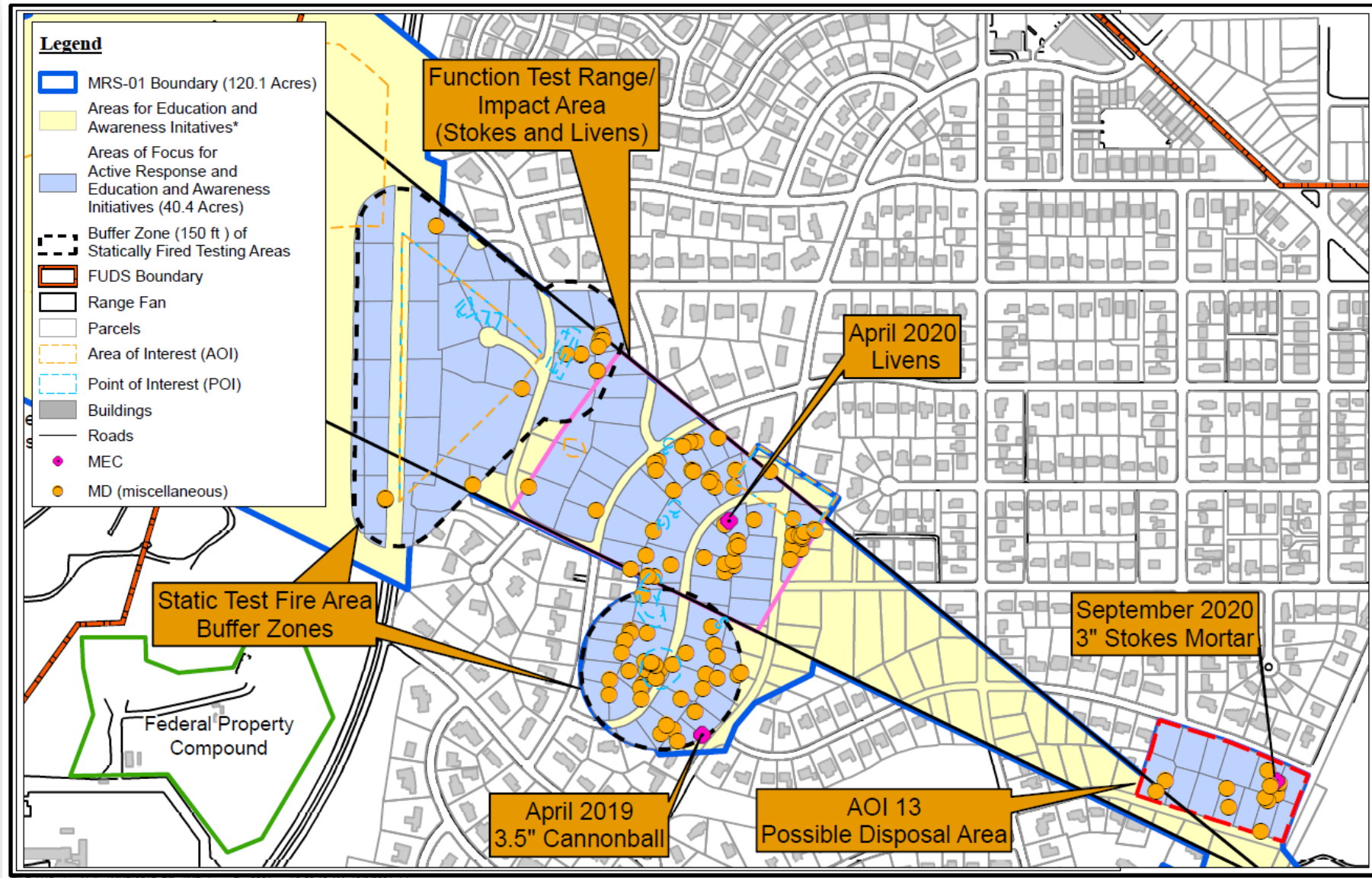
Completed during 2016 Pilot Study

- Remediation Planned previous DGM completed
- Remediation Planned as listed in PWS





RESIDENTIAL PROPERTIES – RA MEC/MD FINDS



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RESIDENTIAL PROPERTIES – GENERAL STATUS



- Work completed at 91 of 92 properties
- One property owner refusing Right-of-Entry
- One property completed intrusive investigations in June 2022



Current Property/Grid Status (92/13.5):

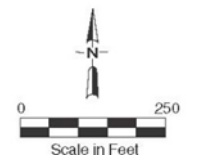
Right-of-Entry Refused (1/0)

Intrusive Complete (91/13)

Completed during 2016 Pilot Study

Remediation Planned previous DGM completed

Remediation Planned as listed in PWS



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RESIDENTIAL PROPERTIES – DELIVERABLES*

- **Property Specific Data Summary (PSDS) Reports** – No PSDS Reports were submitted since the last Partners presentation
- **Root Cause Analyses (RCAs)/Field Variance Forms (FVFs)** – No RCAs/FVFs were submitted since the last Partners presentation.
- **Remedial Action Property Summaries (RAPS)** – Two Final RAPS were printed and mailed (4054 52nd Terrace and 4040 52nd Street).
- **Assurance Letters** - The last two assurance letters expected to be delivered the week of September 26.



RESIDENTIAL PROPERTIES – SCHEDULE



- **Geophysical Surveys** – No geophysical surveys are scheduled at this time.
- **Intrusive Investigations** – No intrusive investigations are scheduled at this time.
- **Site Restoration** – Tree removal at one (1) property (4050 52nd Street) being scheduled for September 2022.
- USACE RFP for analog MEC removal throughout the 1.2-acre Dalecarlia Reservoir area was received on August 22, 2022. Weston submitted a proposal on August 26th. The proposal is under review - award pending. The 1.2-acre Dalecarlia Reservoir area is the green shaded area shown on Slide No. 5.



PUBLIC SAFETY BUILDING UPDATE & SUMMARY



- Completed soil excavation under the former PSB slab on 21 January 2021 and backfill on 23 March 2021.
- Completed Rotosonic drilling & test pit AUES debris slope investigation on 12 April 2021.
- All PSB Confirmation Soil Sample results for Grids met the cleanup criteria.



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PUBLIC SAFETY BUILDING UPDATE (PAGE 2)



- Demobilized from the PSB site on 16 April 2021.
- Completed E&S Control Inspections every other week through August 2022.
- PSB slope and soil benches are vegetated and stable.
- Mowing is conducted at the PSB Site during the growing season



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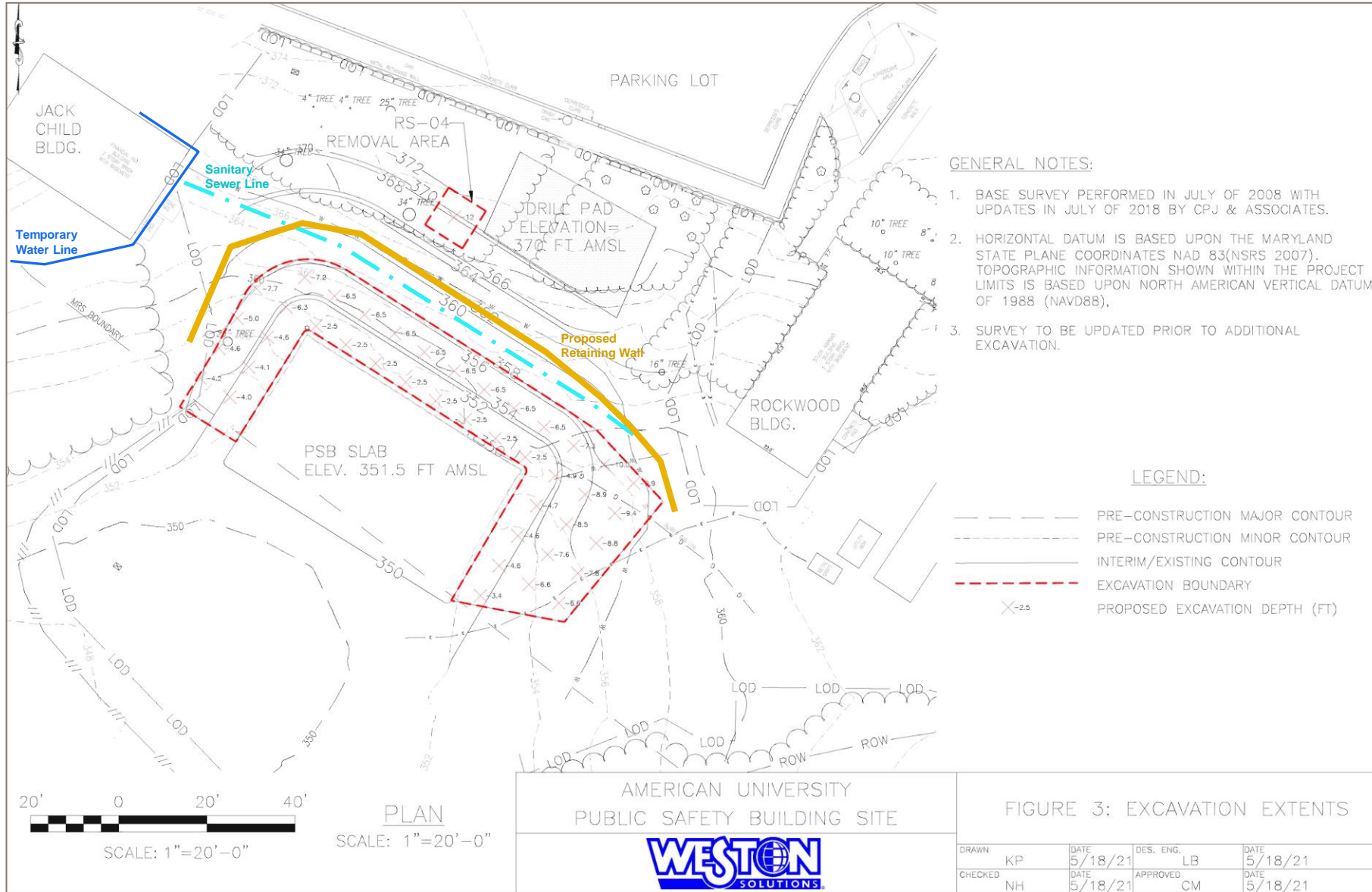
PUBLIC SAFETY BUILDING STATUS & SCHEDULE



- Completed the Rotosonic drilling and Test Pit investigation to determine extent of AUES debris north, east & west of the PSB foundation slab on April 12th. Demobilization of the PSB Site was completed on April 16, 2021, and the PSB site has been shut down since then with only maintenance and inspection activities ongoing.
- The Draft Final PSB Soil Remediation Property Report was submitted for Spring Valley Partners' review on September 9.
- USACE intends to send out a competitive bid Request for Proposal to complete excavation of AUES debris east, north and west of the former PSB foundation.
- The proposed soil and AUES debris area to be excavated is presented in the next slide – the area is based on the test pit and Rotosonic soil borings completed at the PSB site in April 2021.



PSB SLOPE PROPOSED EXCAVATION EXTENT



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SOIL REMEDIATION AT 2 PROPERTIES AND LUCIP



Summary of Other Completed Tasks:

- Completed soil remediation at 6 locations on the Spaulding-Rankin Exposure Unit residential property during November 2018 and the site restoration work was completed during May 2019.
- Completed soil remediation at 2 locations within the Southern American University Exposure Unit on 22 September 2020 and the site restoration work was completed on 23 September 2020.
- LUCIP: The Residential Notice with 3Rs Munition Safety Brochure and Site Map were distributed to Spring Valley residents in June 2019.
- LUCIP: The Institutional Notice with Munitions Safety Video were distributed to the 7 Spring Valley institutions on 12 May 2021.



GROUNDWATER STUDY



- A contract has been awarded to AECOM to develop the CERCLA documentation, including the Groundwater Addendum to the Remedial Investigation Report, a No Action Proposed Plan, and a No Action Decision Document.
- The Preliminary Draft Remedial Investigation Addendum has been submitted, and the USACE project team is currently reviewing the document.



Groundwater sampling well



QUESTIONS?



Please contact Dan Noble with any questions or concerns. USACE will set up a call to address any issues and answer questions, as needed. Dan's contact information is below:

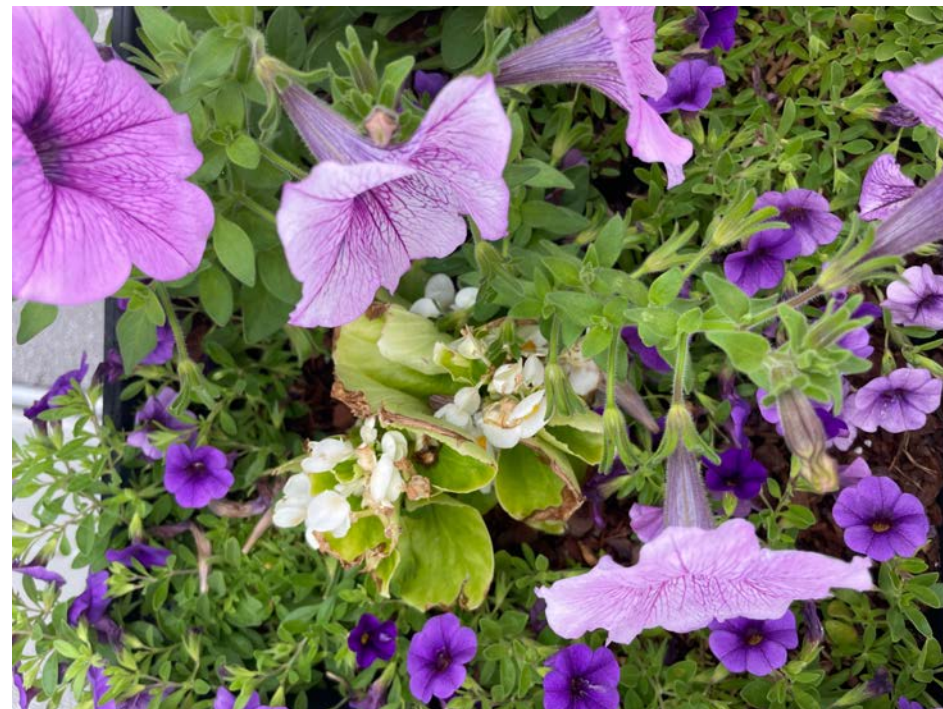
Dan.G.Noble@usace.army.mil



SPRING VALLEY PARTNERS

Reminders:

- Confirm the next Partners meeting date for December.
- Our team is continually monitoring the situation closely and is open to discuss plans for future in-person or conference call meetings.



Upcoming Agenda Items:

- *Suggestions?*