



SPRING VALLEY FORMERLY USED DEFENSE SITE

Partners Meeting Presentation
March 2022



US Army Corps
of Engineers®



AGENDA REVIEW

Glenbrook Update

- 4825 Glenbrook Road

Weston Updates

- Site-Wide Remedial Action
- Public Safety Building

USACE Updates

- Groundwater Study

Future Partners Agenda Development



SPRING VALLEY

GLENBROOK ROAD

SITES

UPDATE
March 2022



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4825 Glenbrook Road - Recent Activities

- The Site-Specific Final Report (SSFR) has been finalized and posted to the website.



- https://www.nab.usace.army.mil/Portals/63/docs/SpringValley/SSFR/SV_4825%20Glenbrook%20Road_SSFR_OCT2021.pdf?ver=w2kz4NjzjndgDtYHJPJI2w%3d%3d

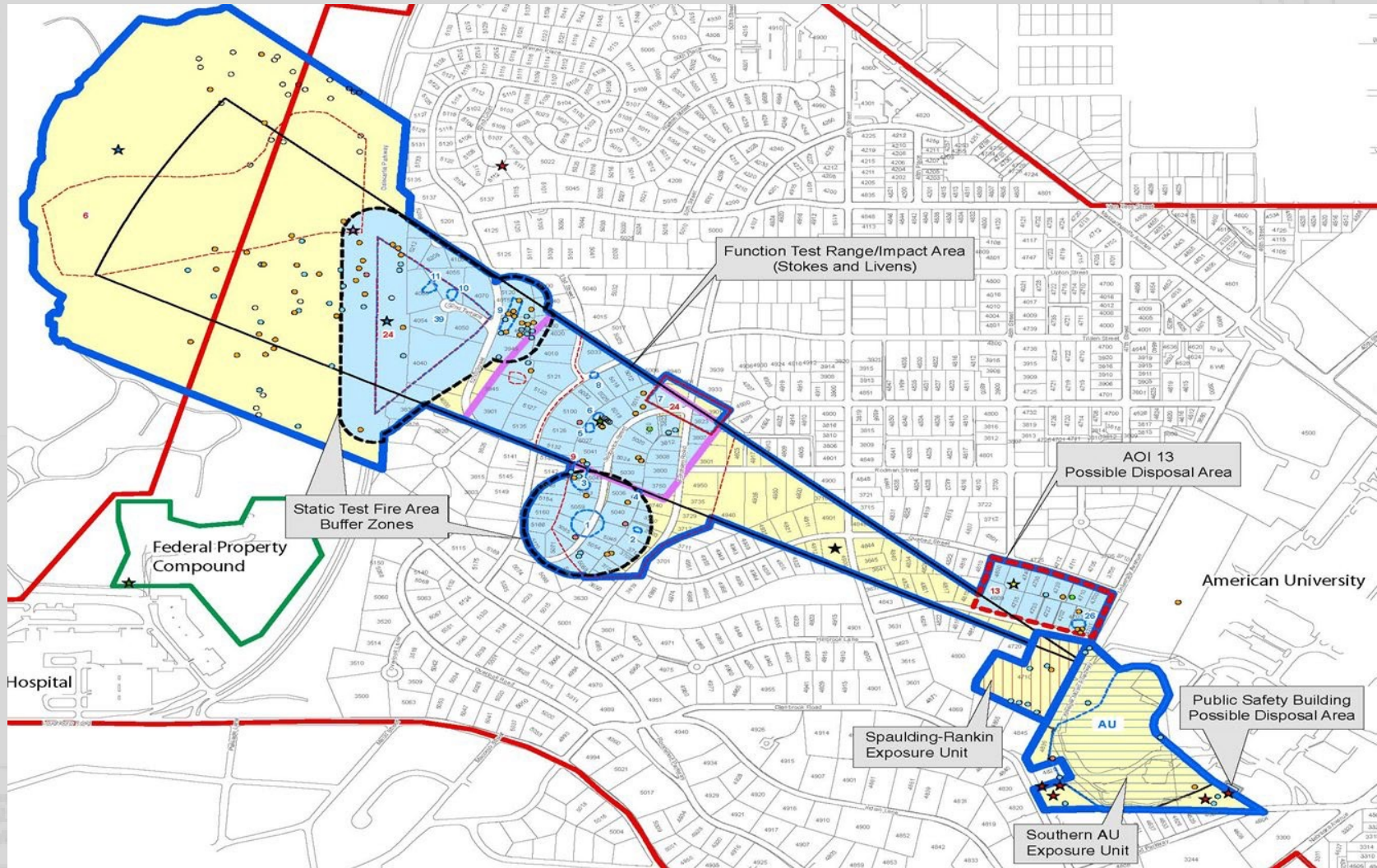
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SVFUDS SITE-WIDE REMEDIATION STATUS MARCH 2022

Weston Solutions, Inc.

March, 2022



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RESIDENTIAL PROPERTIES*



- **Property Availability** – 1 property (4040 52nd Street Algerian Ambassador's Residence) approved their Landscape Plan and became available for geophysical surveys
- **Vegetation Removal/Blind Seeding** – Vegetation removal and blind seeding completed at 1 property (4040 52nd Street Algerian Ambassador's Residence)
 - Vegetation removal completed 24 March
 - QC blind seeding completed 23 March
 - QA blind seeding completed 25 March





RESIDENTIAL PROPERTIES* (CONTINUED)



Geophysical surveys:

- To date, geophysical surveys have been completed at 13 Fed/city lots and 90 residential properties
- Geophysical surveys remaining to be conducted at 2 residential properties (4055 52nd Terrace and 4040 52nd St)





GEOPHYSICAL SURVEY COVERAGE

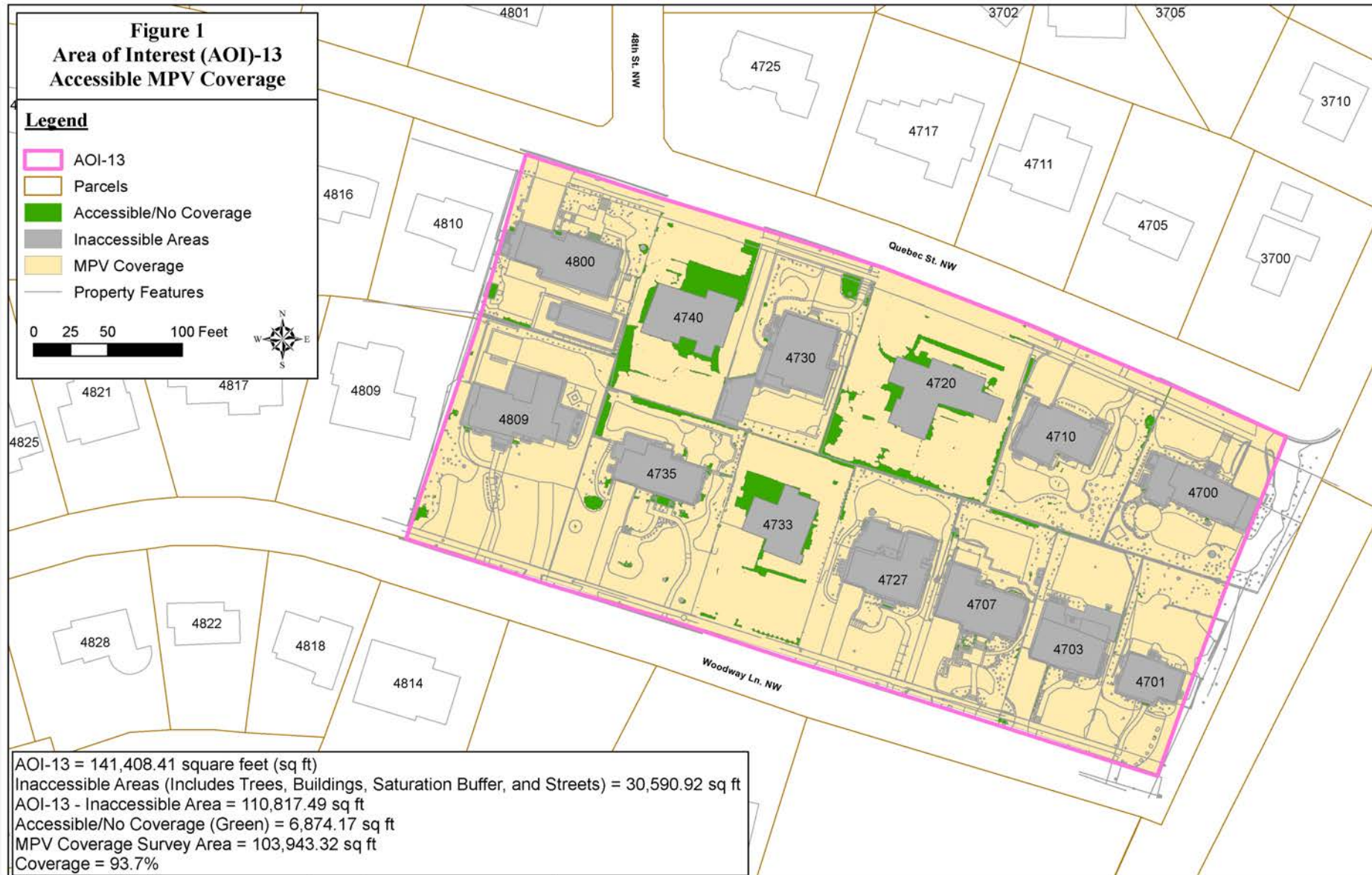
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AOI-13

- 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

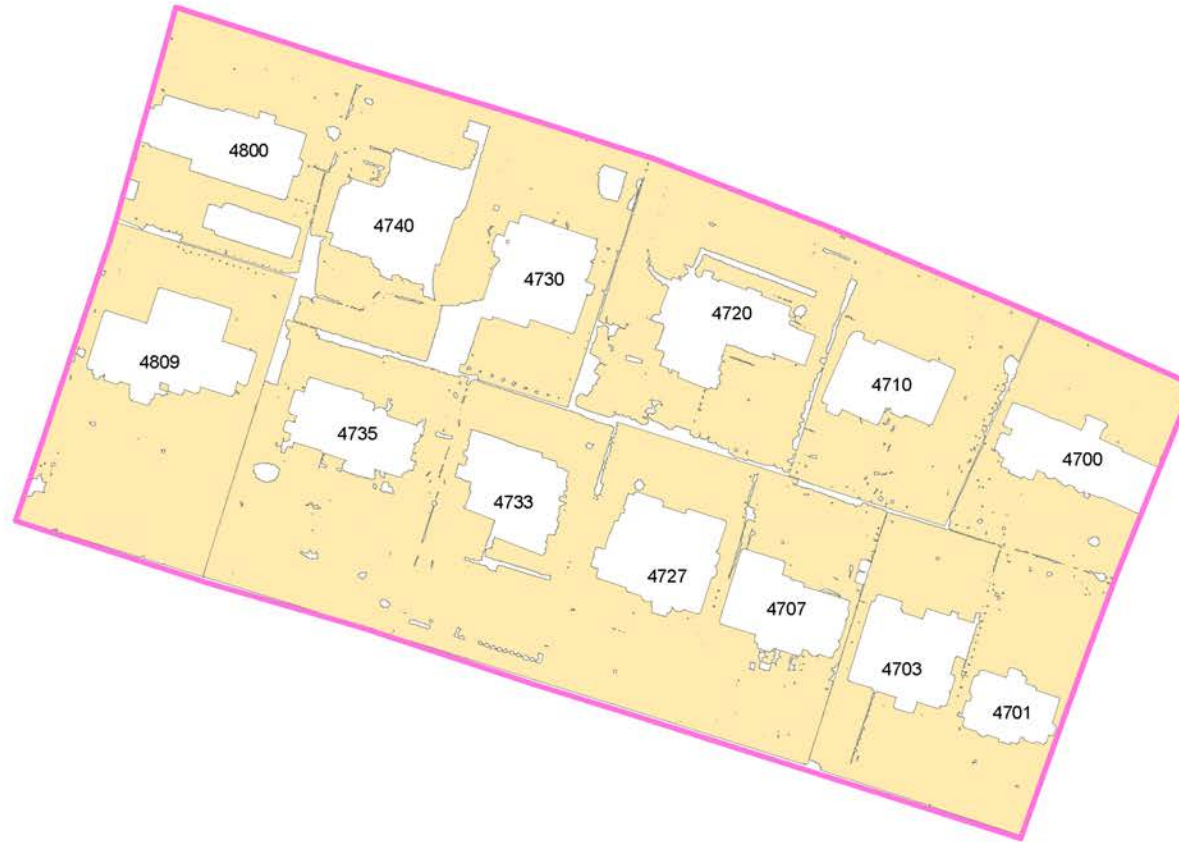


Figure 2
Area of Interest (AOI)-13
Overall MPV Coverage

Legend

-  AOI-13
-  MPV Coverage

0 25 50 100 Feet



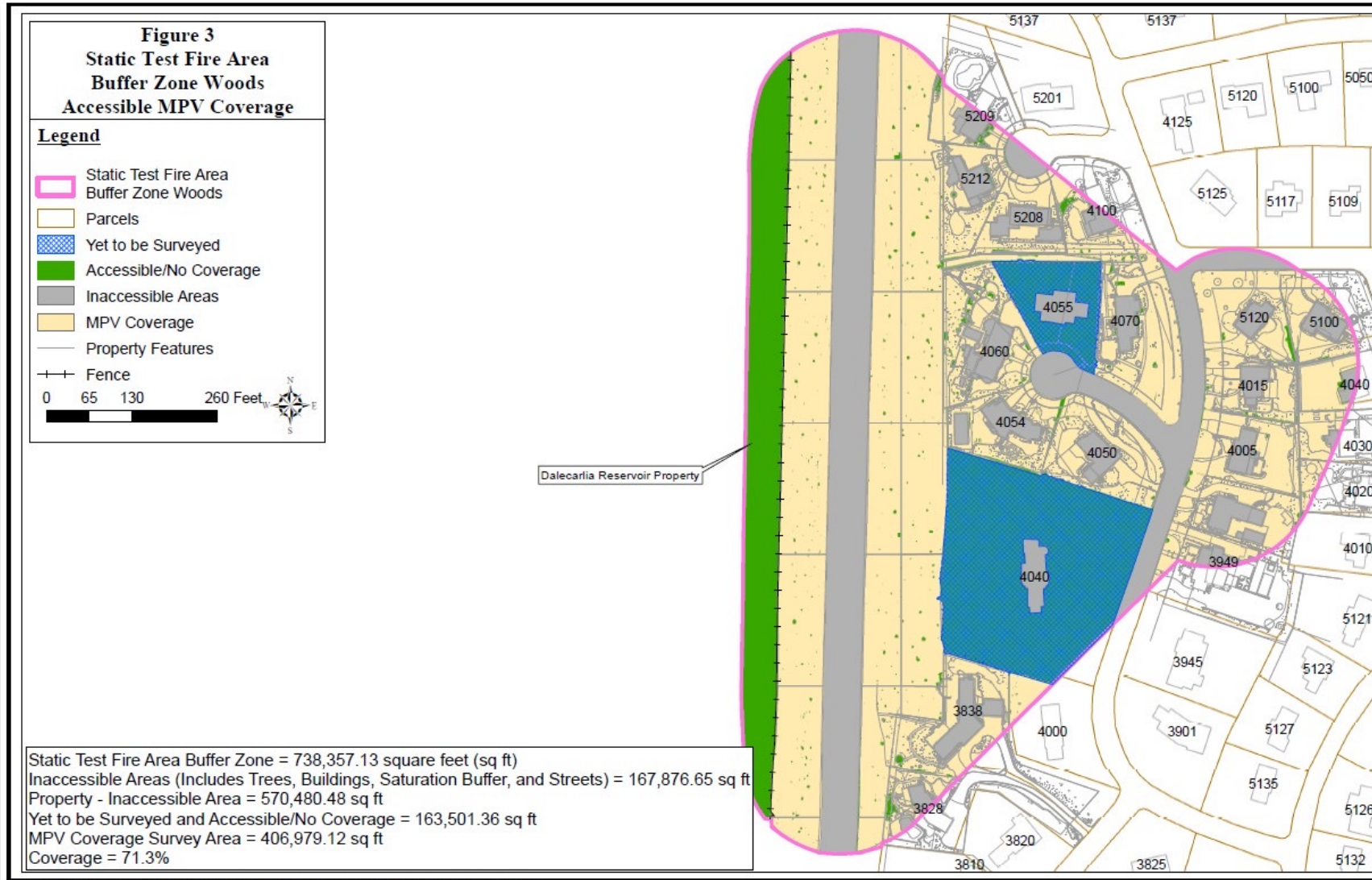
AOI-13 = 141,408.41 square feet (sq ft)
MPV Coverage Survey Area = 103,943.32 sq ft
Survey Coverage = 73.5%

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

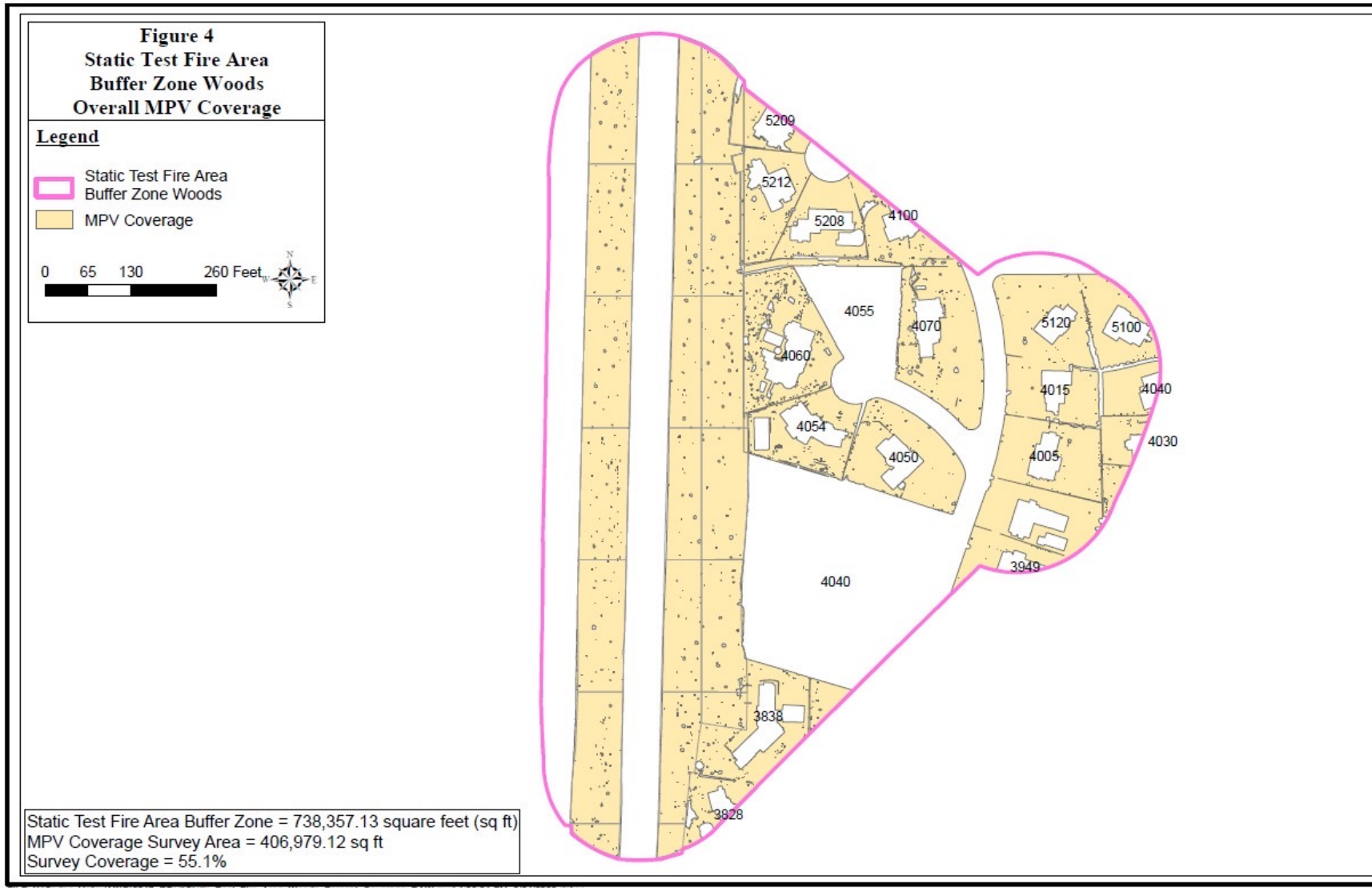


Static Test Fire Area West

- MPV Survey Coverage of accessible areas = 71.3%
- 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
- Dalecarlia Reservoir and two residential properties have yet to be surveyed
- MPV Survey Coverage to include the Dalecarlia Reservoir Grids and 4040 52nd Street is estimated to be 77.7%.

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GEOPHYSICAL SURVEY COVERAGE



Static Test Fire Area West

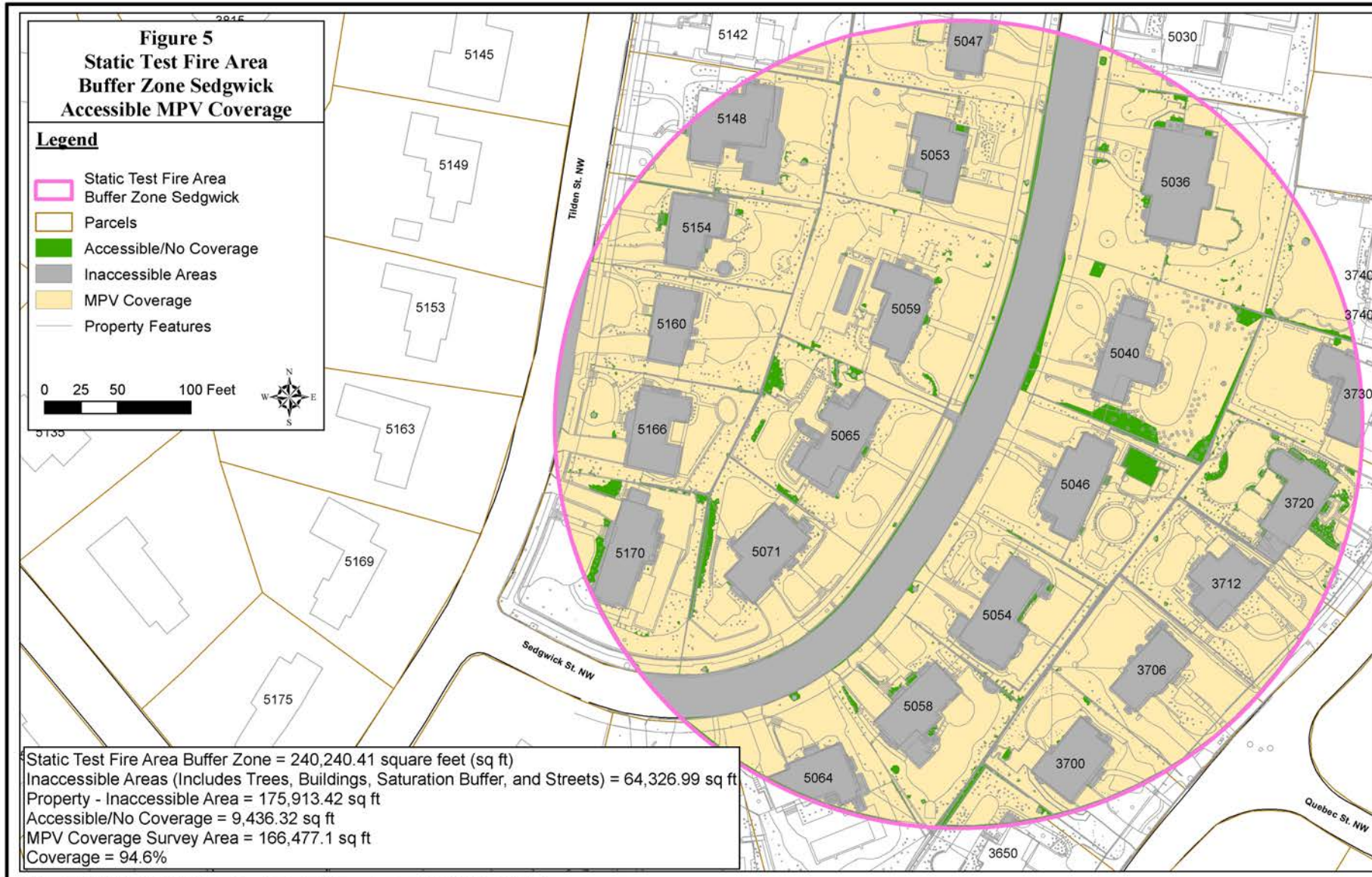
- Overall MPV Survey Coverage of Area of Focus = 55.1%
- Dalecarlia Reservoir and two residential properties have yet to be surveyed

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GEOPHYSICAL SURVEY COVERAGE

12



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

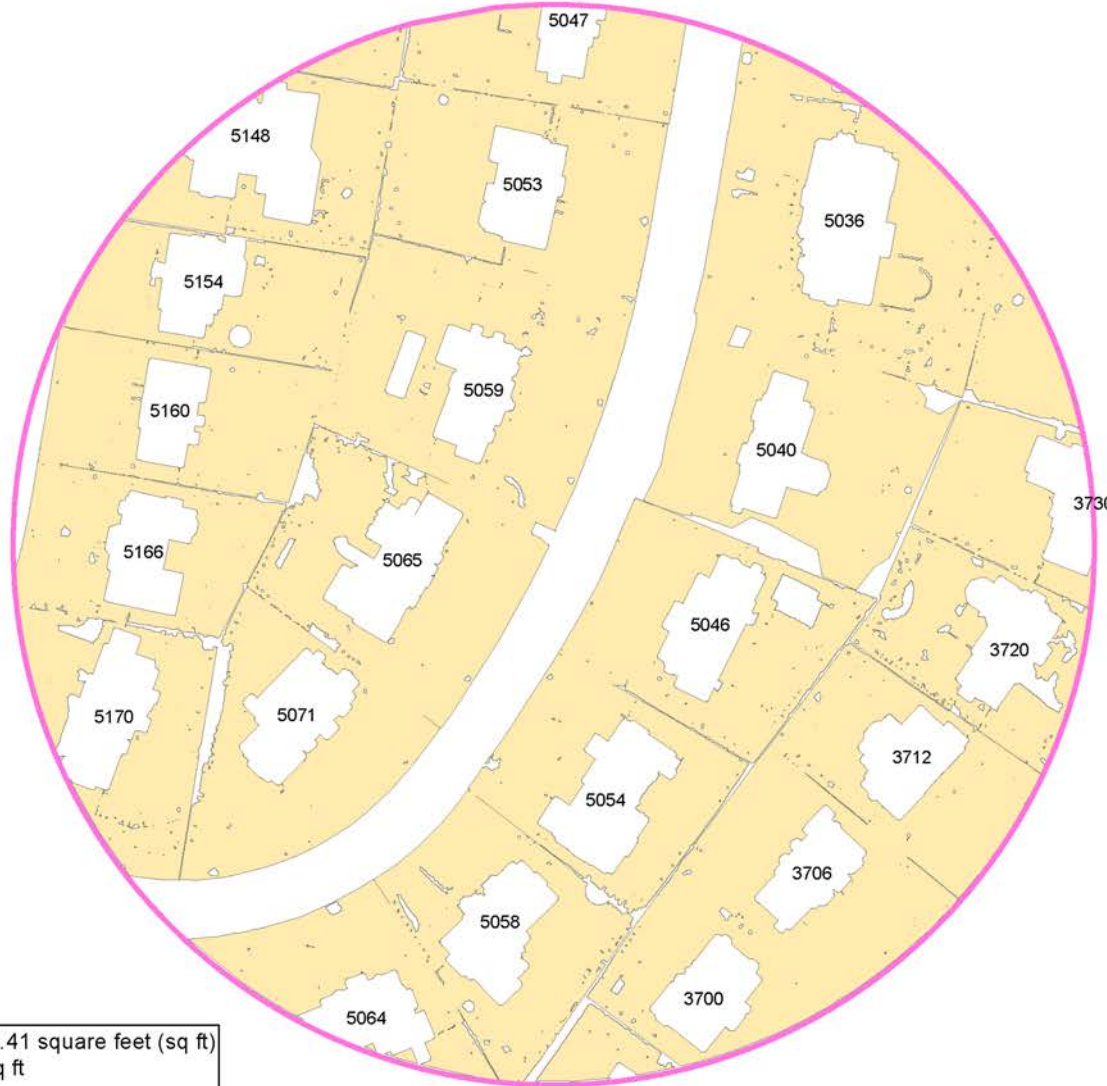


Figure 6
Static Test Fire Area
Buffer Zone Sedgwick
Overall MPV Coverage

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%

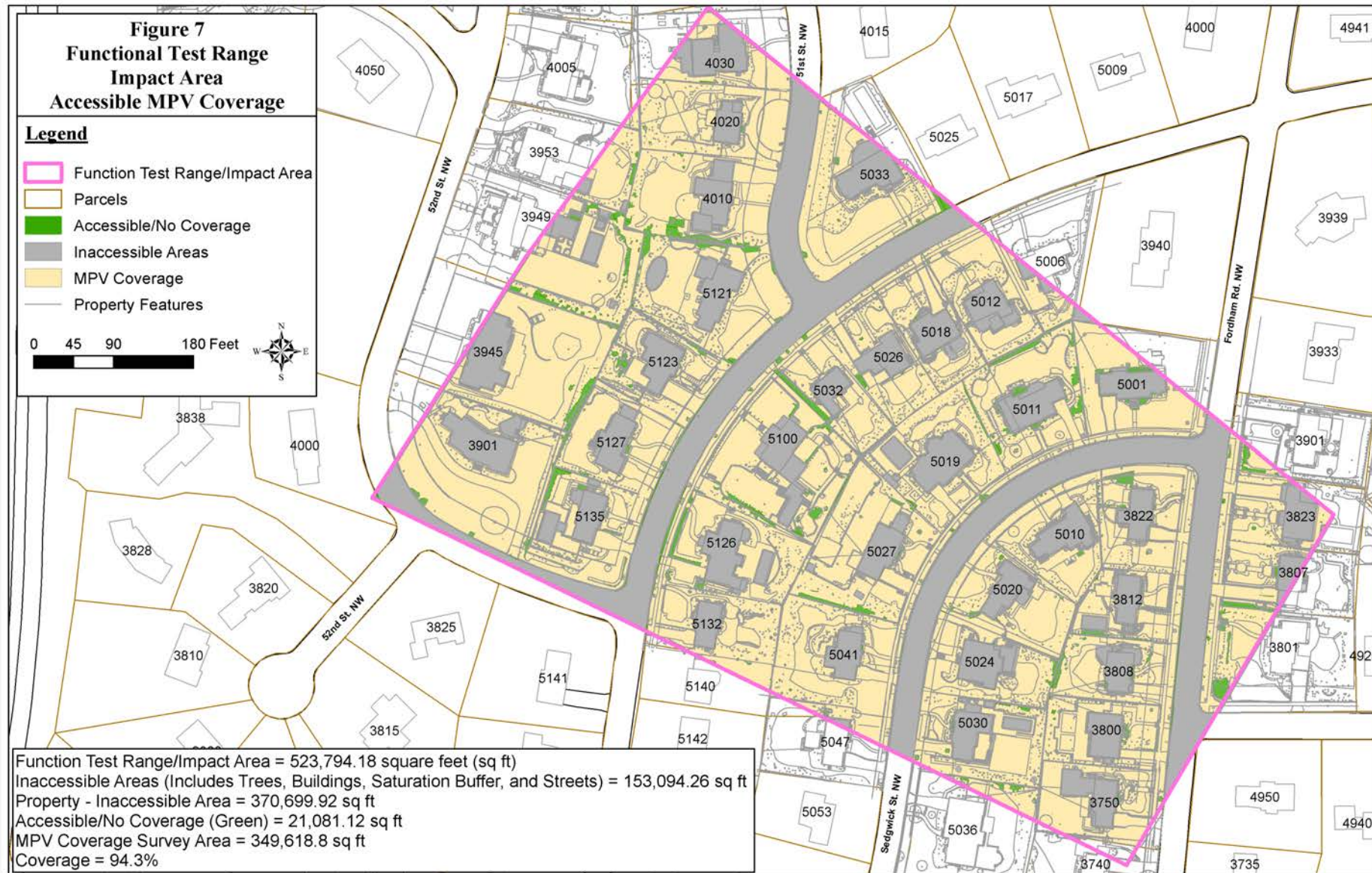
Static Test Fire Area East

- 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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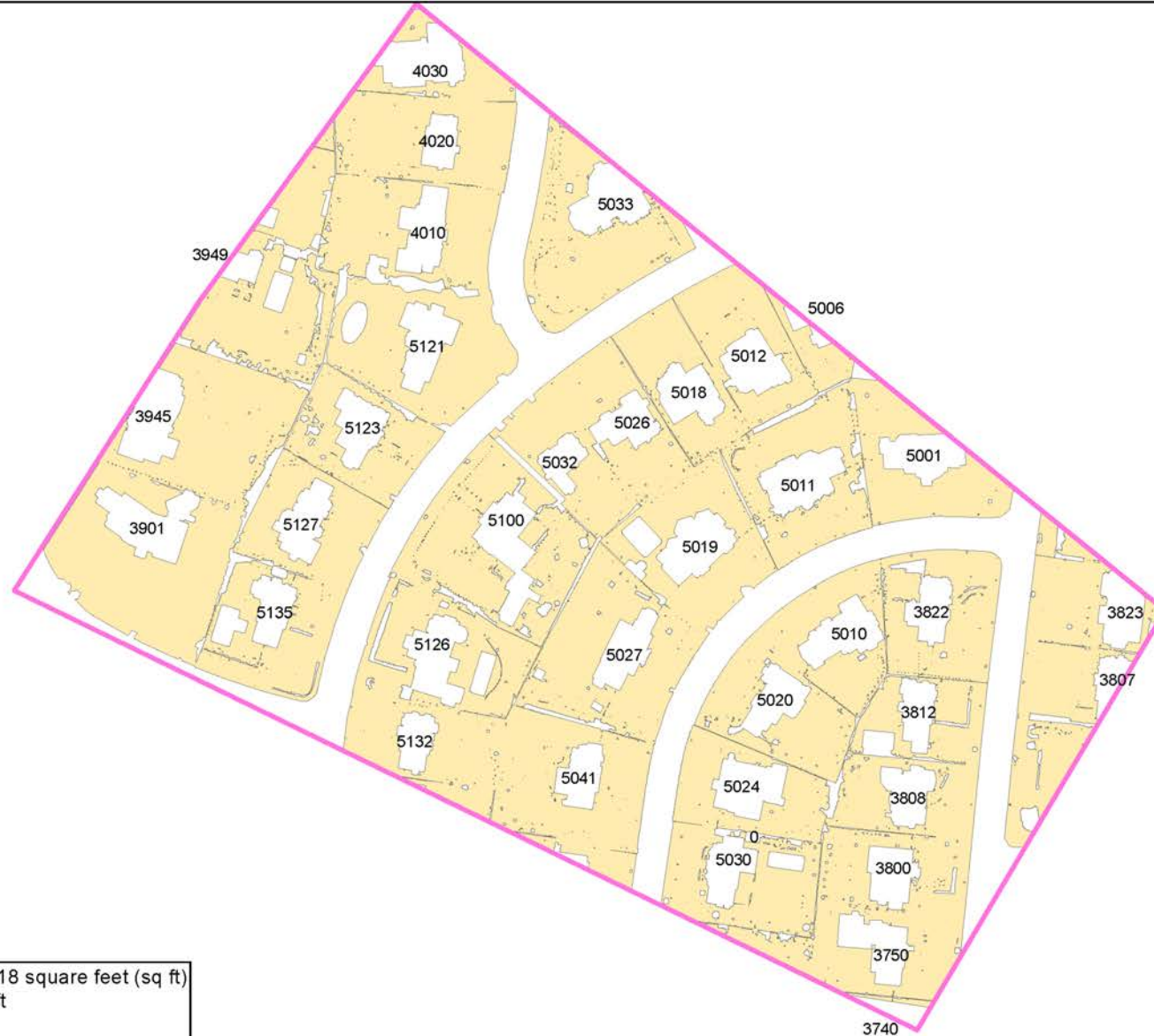
GEOPHYSICAL SURVEY COVERAGE



Figure 8
Functional Test Range
Impact Area
Overall MPV Coverage

Legend

- Function Test Range/Impact Area
- MPV Coverage



Function Test Range/Impact Area = 523,794.18 square feet (sq ft)
MPV Coverage Survey Area = 349,618.8 sq ft
Survey Coverage = 66.7%

Function Test Range Impact Area

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

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Intrusive Investigations:

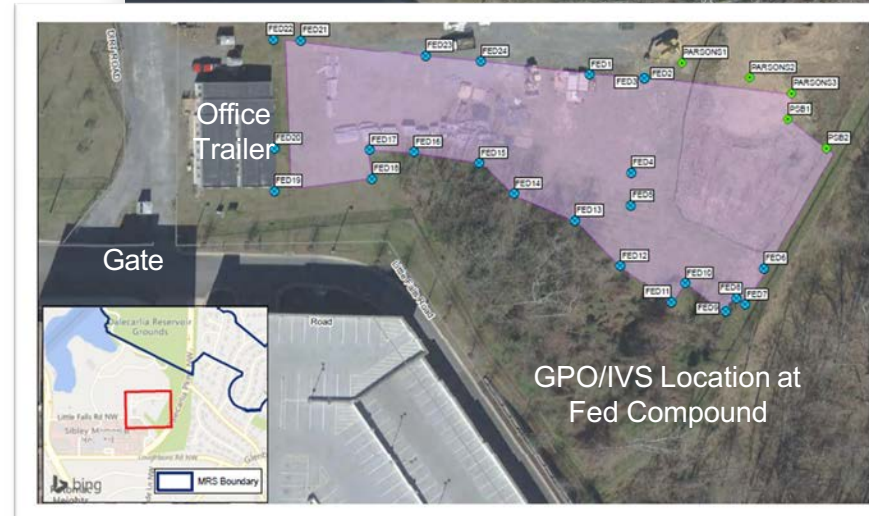
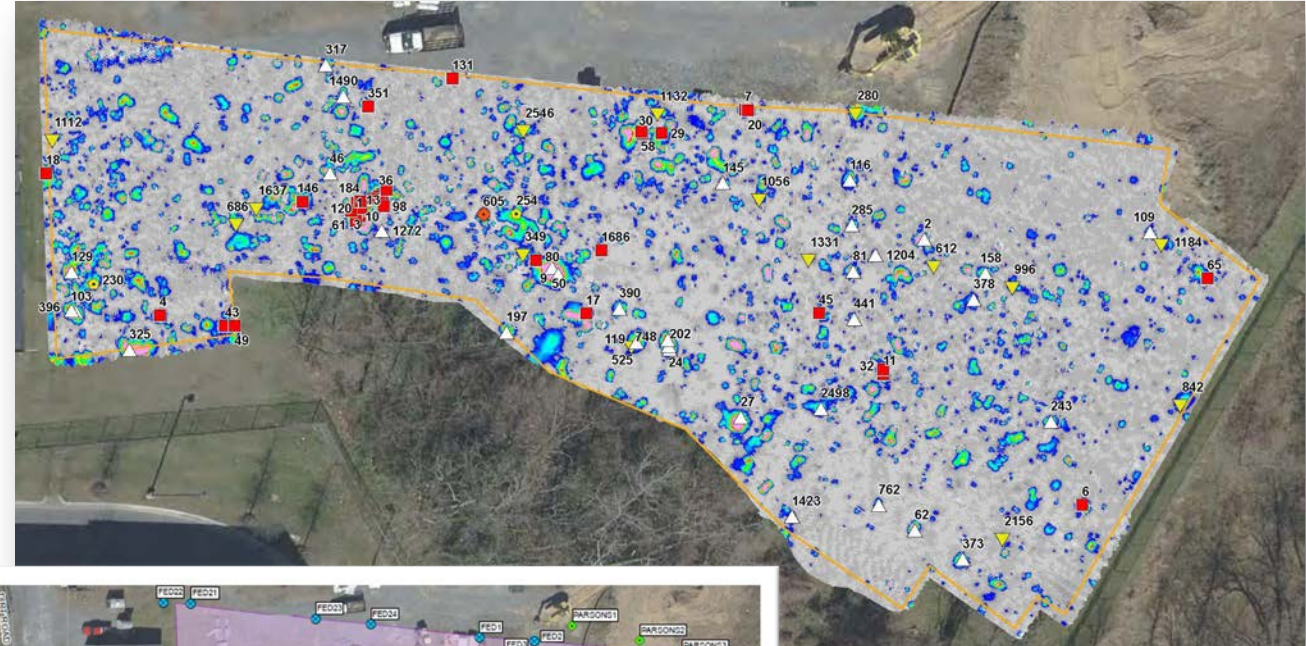
- Intrusive investigations conducted at 4054 52nd Terrace
 - No MEC or MD recovered
 - Intrusive complete 16 March 2022
- One property remains for Intrusive Investigations (4040 52nd Street Algerian Ambassador's Residence)
- One property owner refusing right-of-entry (4055 52nd Terrace)



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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 MS that was not disturbed
- Intrusive investigations conducted from March 17th to 23rd
 - 2 MD items identified as former MS items recovered – no headspace analysis required
 - 75mm Projectile
 - 3-in Stokes Mortar
- Intrusive results submitted to USACE for QA review on March 24th



Legend

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

GPO/IVS AREA INTRUSIVE INVESTIGATION

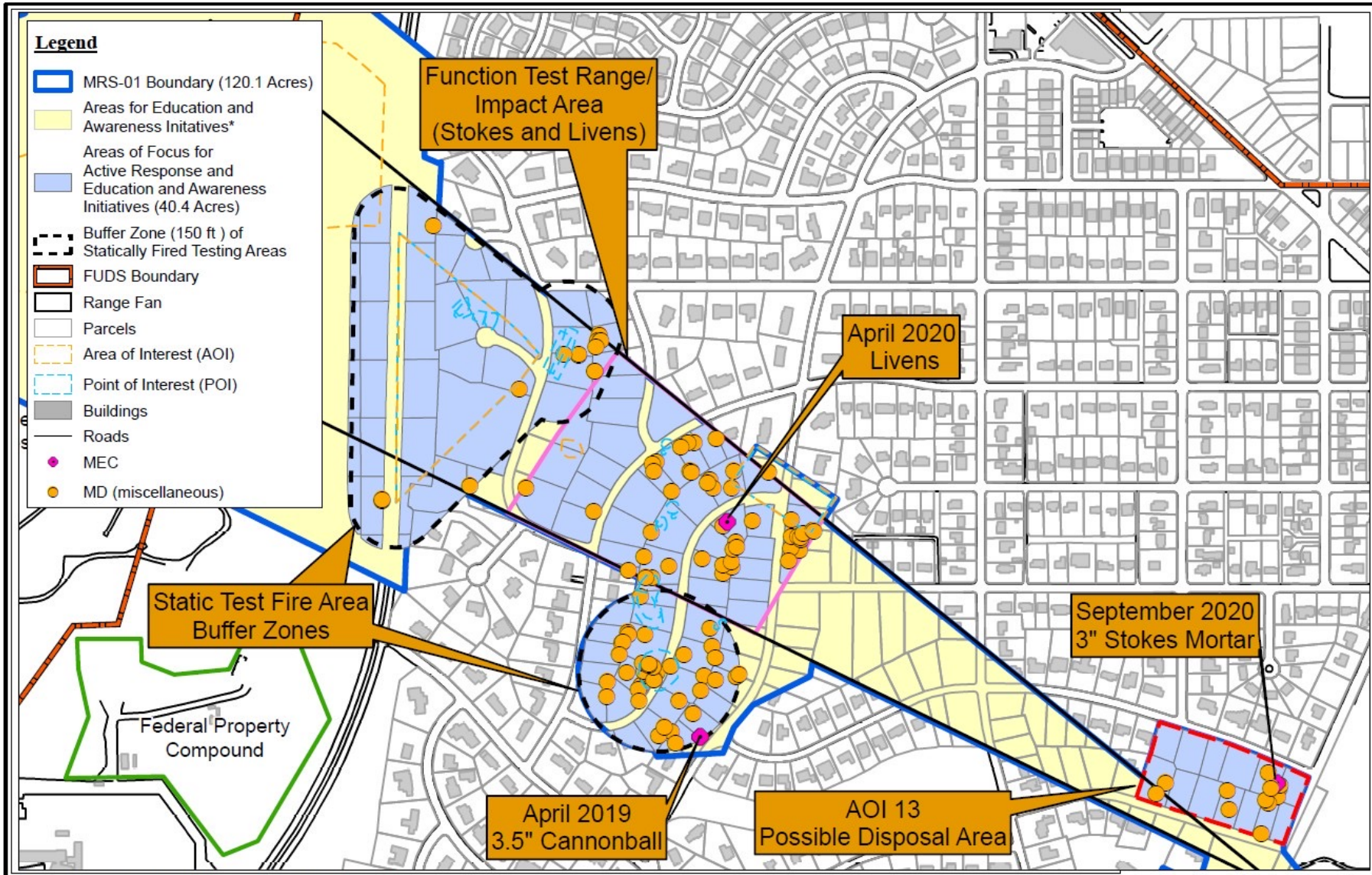


75mm Projectile, MD – Former IVS Item



3-Inch Stokes Mortar, MD – Former IVS Item

RESIDENTIAL PROPERTIES – RA MEC/MD FINDS





RESIDENTIAL PROPERTIES – GENERAL STATUS

21



- Work initiated at 91 of 92 properties
- One property owner approved their landscape plan and is ready for geophysical surveys
- One property owner refusing Right-of-Entry
- One property completed intrusive investigations in March 2022



Current Property/Grid Status (92/13.5):

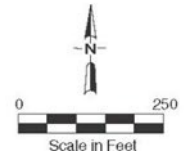
Right-of-Entry Refused (1/0)

Homeowner Approved LSP (1/0)

Intrusive Complete (90/13)

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** – One Draft Final PSDS was submitted 4054 52nd Terrace.
- **Root Cause Analyses (RCAs)/Field Variance Forms (FVFs)** – No RCAs/FVFs were submitted since the last Partners presentation.
- **Remedial Action Property Summaries (RAPS)** – Four Final RAPS were submitted to include 3720 Fordham Road, 5209 Upton Terrace, 5212 Upton Terrace, and 4060 52nd Terrace.



RESIDENTIAL PROPERTIES – SCHEDULE



- **Geophysical Surveys** – Dynamic geophysical surveys are scheduled to start at 4040 52nd Street the Monday, 28 March 2022 .
- **Intrusive Investigations** – Intrusive investigation of 4040 52nd Street is anticipated to occur in late May or early June 2022.

PUBLIC SAFETY BUILDING UPDATE & SUMMARY

- Completed 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 in October through March and after storms.
- Final non-hazardous IDW from PSB investigation were transported for disposal on 7 October 2021.
- PSB slope and soil benches are vegetated and stable.



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PUBLIC SAFETY BUILDING STATUS



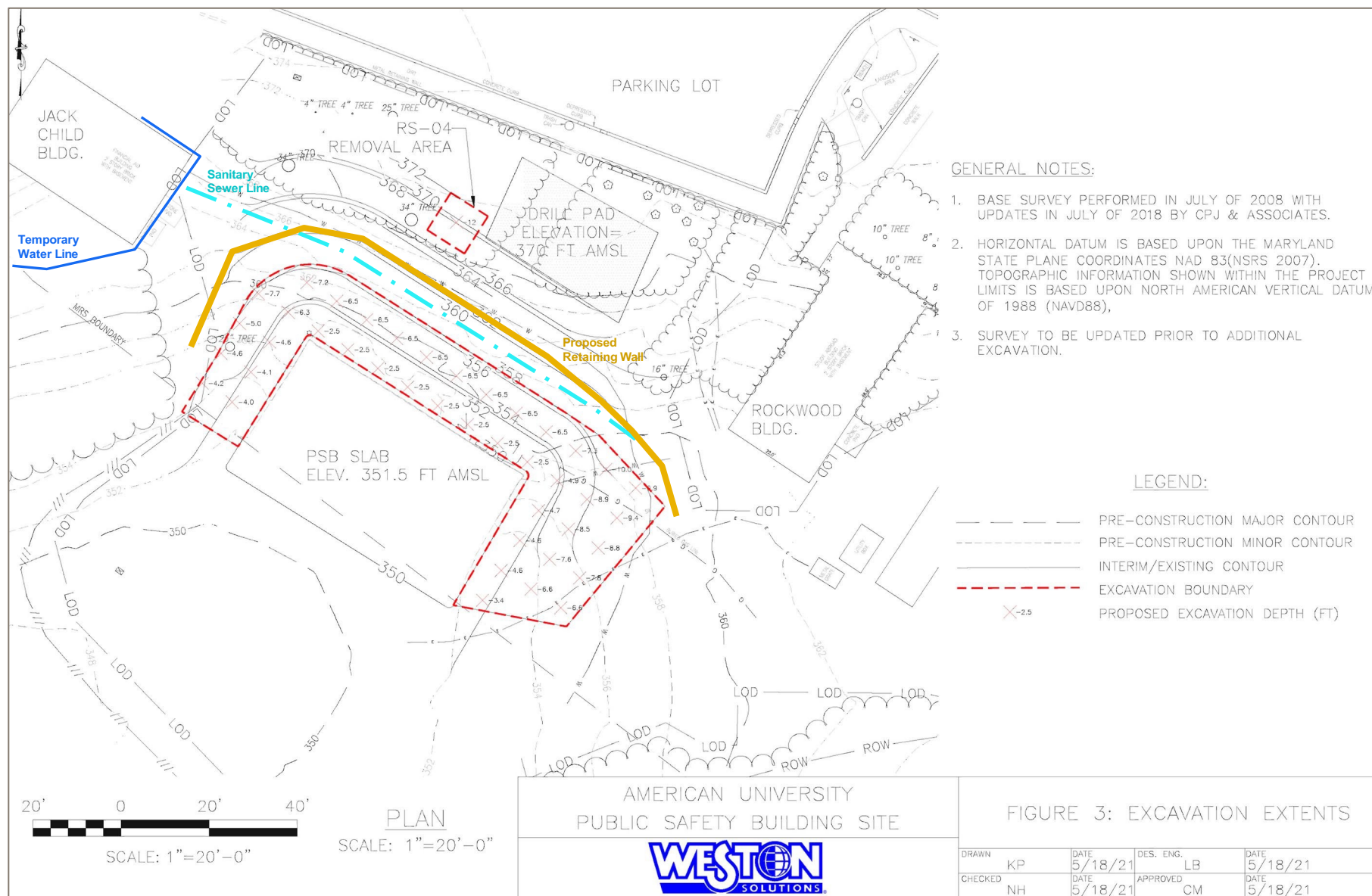
- Completed the Rotosonic drilling and Test Pit investigation to determine extent of AUES debris north, east & west of the PSB foundation slab on April 12th. Final report was submitted June 23rd.
- Demobilization of the PSB Site was completed on April 16, 2021, and the PSB site has been shut down since then with only maintenance and inspection activities ongoing.
- USACE sent out a Request for Proposal dated 21 July 2021 to complete excavation of AUES debris east, north and west of the former PSB foundation. Proposal was submitted on 8 September 2021.
- USACE expects to have Weston clarify some proposal technical and cost issues then negotiate award of the additional PSB work this spring.



PSB SLOPE EXCAVATION PLANNING



- 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.
- To safely conduct the soil slope excavation north of the former PSB foundation, a soil retaining wall is recommended. See proposed wall location on next slide. The planned upslope excavation at RS-04 would be conducted using a slide rail modular shoring system.
- Jack Child Hall (west of PSB) is setup for temporary water service with a heat trace for winter service from Hamilton Hall, which is outside the proposed excavation area. The original water line was cut, capped and removed near the PSB. However, the sanitary sewer line from Jack Child Hall is still operational and crosses the proposed slope excavation area. This sewer line will be bypassed around the proposed excavation area.



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PSB SCHEDULE



- Based on the slope investigation results USACE put together the scope of work to excavate the extent of AUES debris identified by the investigation.
- Once funding has been obtained and the work awarded, additional plans will be required before re-starting the soil remediation work – this will entail a delay of several months before the work is awarded and the required planning documents are prepared and approved.
- Slope Soil Removal not expected to begin until summer 2022. If awarded as proposed, the PSB soil removal work will continue into 2023.
- Restoration work would start after completing the north/east slope investigation and slope soil excavation and backfilling and include rebuilding the PSB slope and removing the access road.
- Landscape restoration work will be coordinated with American University – based on the approved landscape restoration plan.



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:

- Due to continued concerns surrounding the COVID-19 pandemic, the next Partners meeting for **June** will likely be an electronic update in lieu of an in-person meeting once again.
- 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?*

