

# SPRING VALLEY FORMERLY USED DEFENSE SITE

Partners Meeting Presentation  
December 2021



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  
December 2021



\*not for public release\*

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# 4825 Glenbrook Road - Recent Activities

- A closure ceremony event was held for the project on November 23, with coverage by local media outlets.
- USACE is working to establish an online link to the 4825 Glenbrook Road closure report and will share when it has been created.
- The Site-Specific Final Report (SSFR) has been accepted by DC and EPA and is final. It is expected to be posted on the website by the end of the year.
- USACE would appreciate a signed copy of the 4835 Glenbrook Road Status Letter when both EPA and DC have signed it.



\*not for public release\*

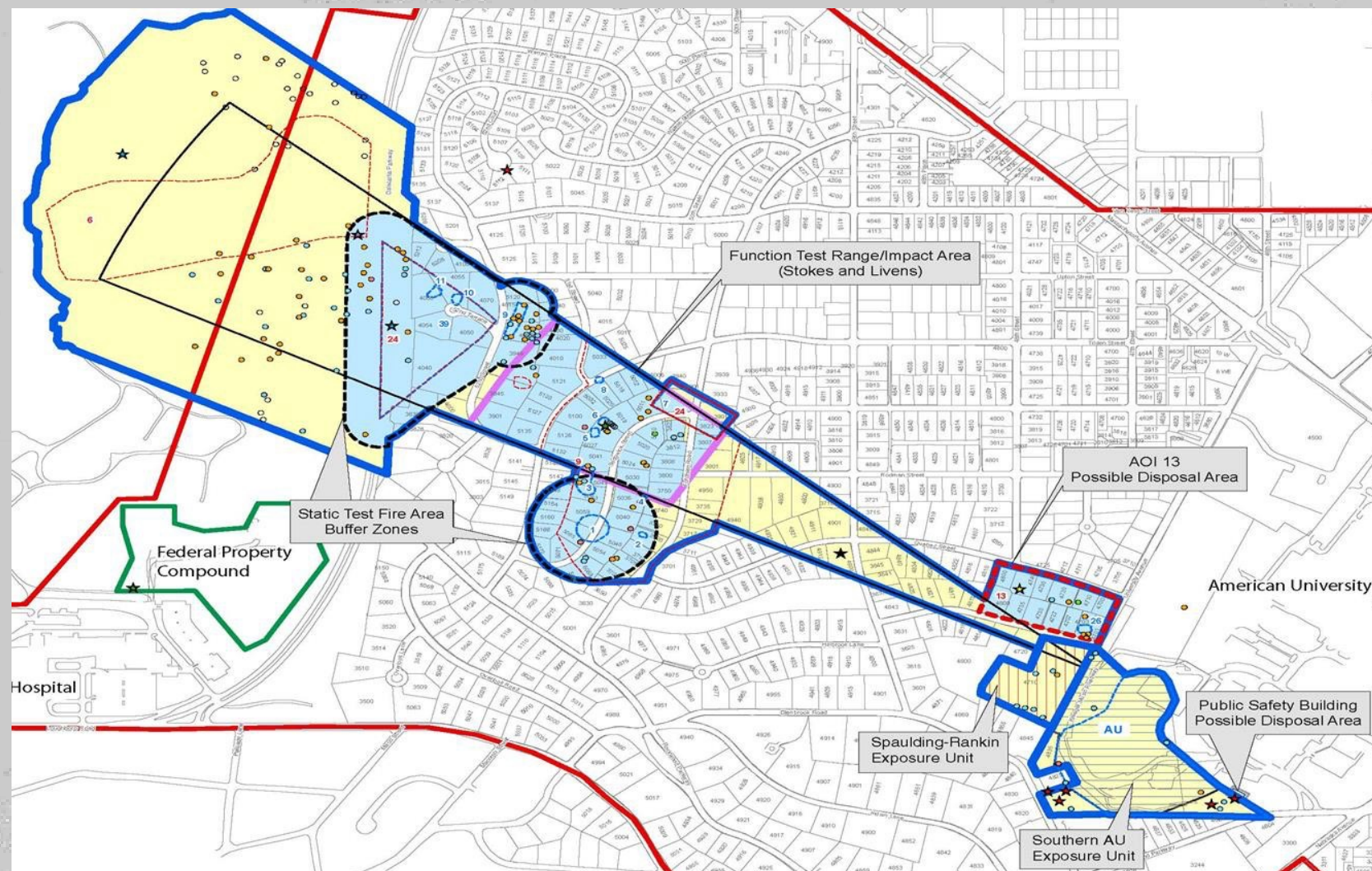




# SVFUDS SITE-WIDE REMEDIATION STATUS DECEMBER 2021

Weston Solutions, Inc.

December 2021



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- **Property Availability** – 1 property approved their Landscape Plan and became available for geophysical surveys.
- **Vegetation Removal/Blind Seeding**
  - None conducted since the last Partner update.





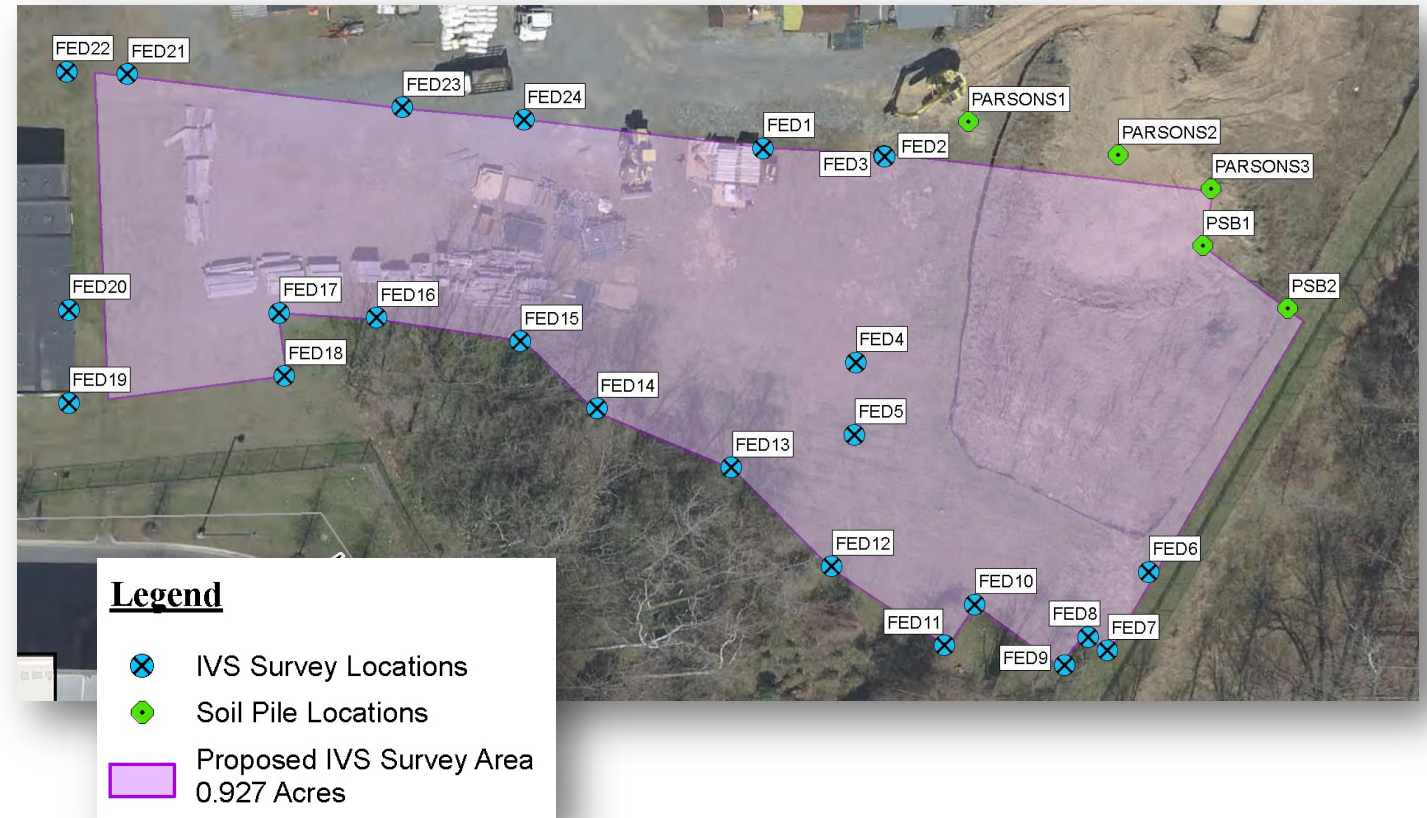
## Geophysical surveys:

- To date, geophysical surveys have been completed at 13 Fed/city lots and 89 residential properties
- Geophysical surveys remaining to be conducted include 3 residential properties



## Federal Compound Geophysical Prove Out (GPO) Area

- 0.927-acre GPO survey area
- Dynamic and cued surveys completed with MPV
- Dynamic and cued deliverables submitted to USACE
- Weston will submit the dig package to include a dig list and map when USACE's validation targets are selected.



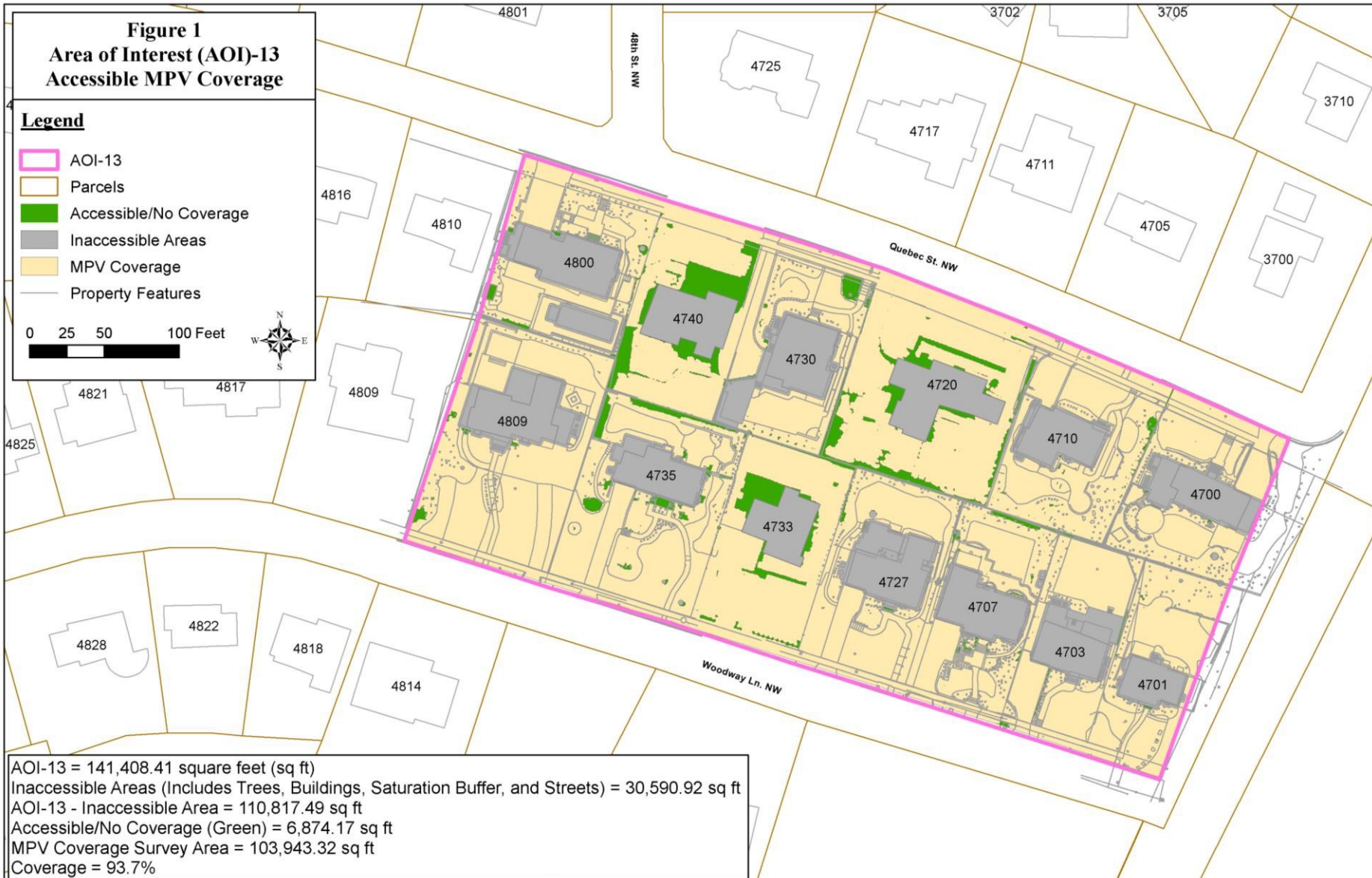


**Figure 1**  
**Area of Interest (AOI)-13**  
**Accessible MPV Coverage**

**Legend**

- AOI-13
- Parcels
- Accessible/No Coverage
- Inaccessible Areas
- MPV Coverage
- Property Features

0 25 50 100 Feet



AOI-13 = 141,408.41 square feet (sq ft)  
Inaccessible Areas (Includes Trees, Buildings, Saturation Buffer, and Streets) = 30,590.92 sq ft  
AOI-13 - Inaccessible Area = 110,817.49 sq ft  
Accessible/No Coverage (Green) = 6,874.17 sq ft  
MPV Coverage Survey Area = 103,943.32 sq ft  
Coverage = 93.7%

## AOI-13

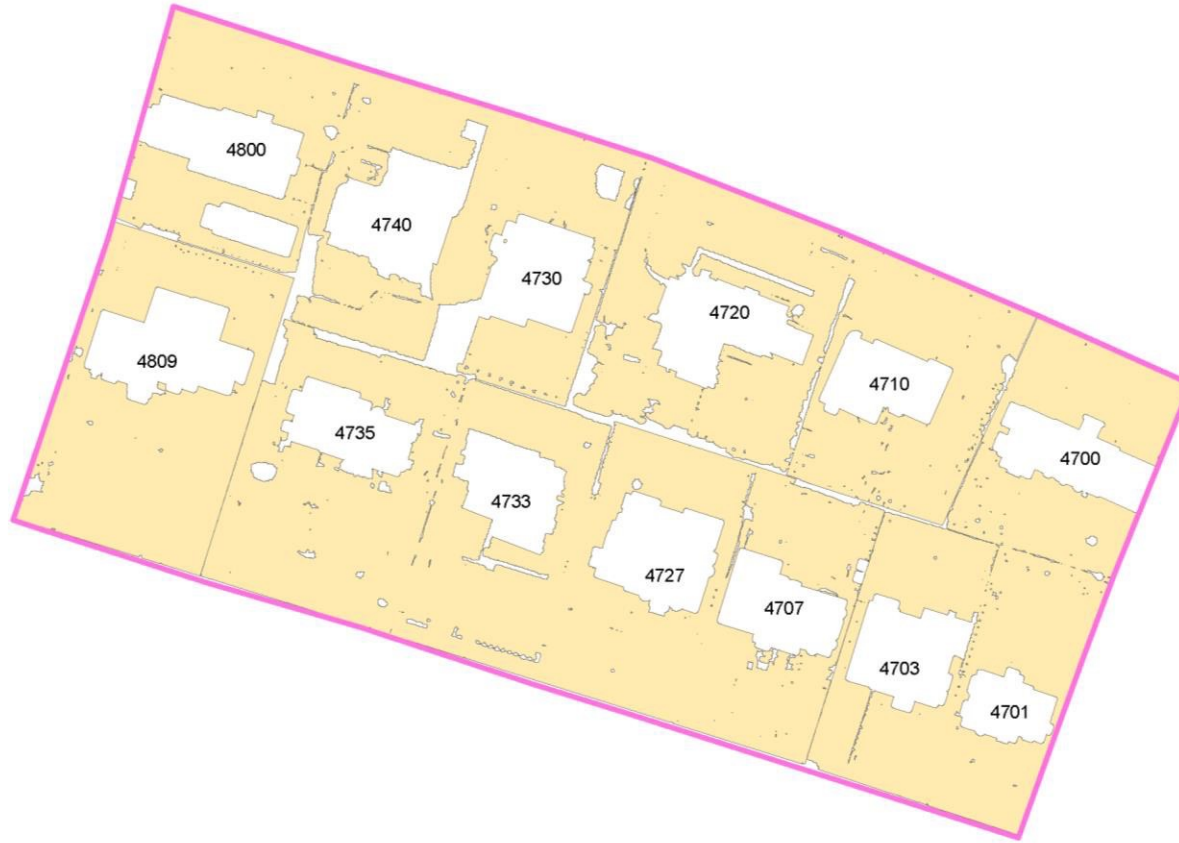
- MPV Survey Coverage of accessible areas = 93.7%
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- Inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees
- Includes coverage from MPV surveys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

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

**Legend**

- AOI-13
- MPV Coverage

0 25 50 100 Feet

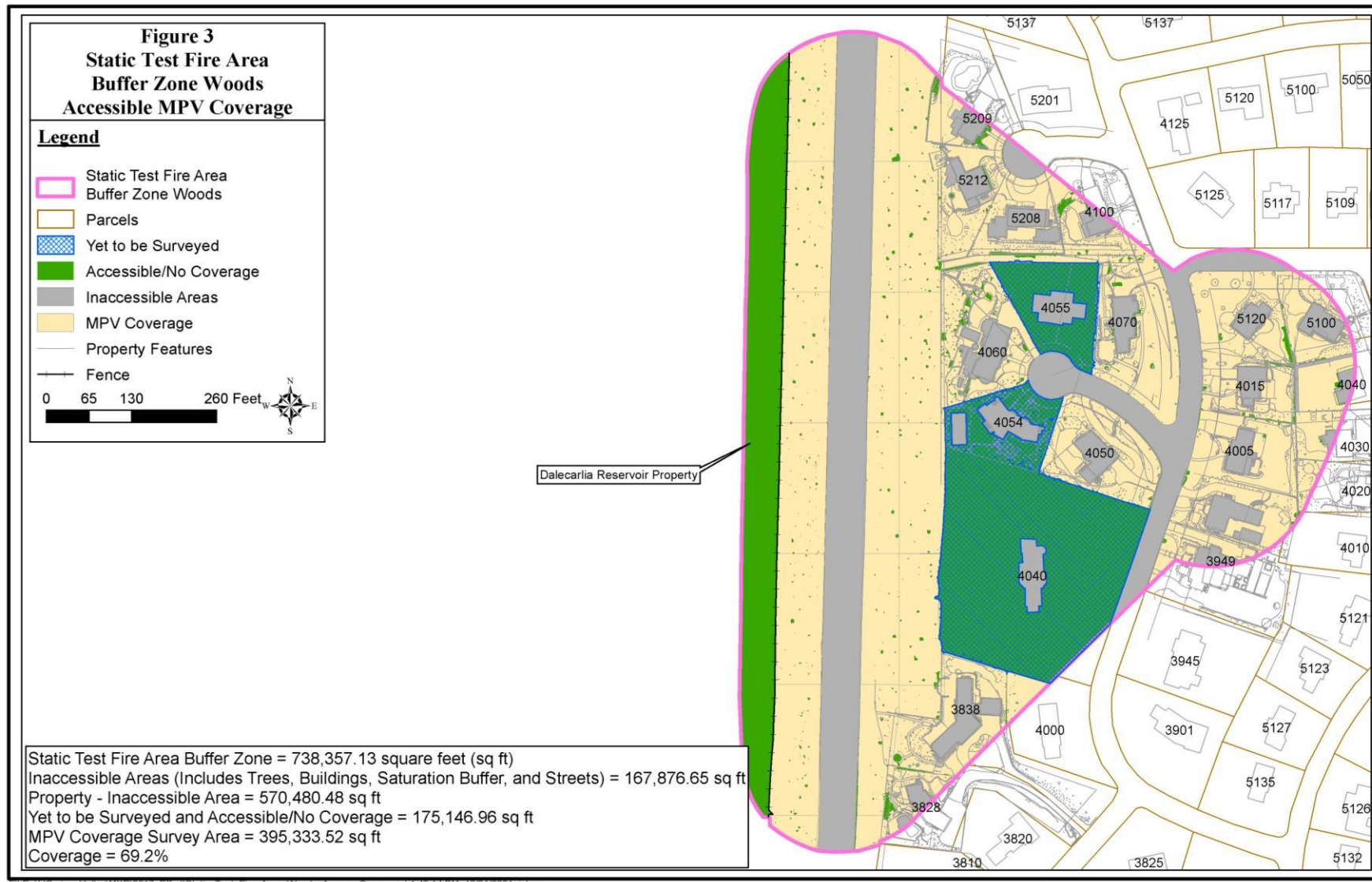


AOI-13 = 141,408.41 square feet (sq ft)  
MPV Coverage Survey Area = 103,943.32 sq ft  
Survey Coverage = 73.5%

## 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








## Static Test Fire Area West

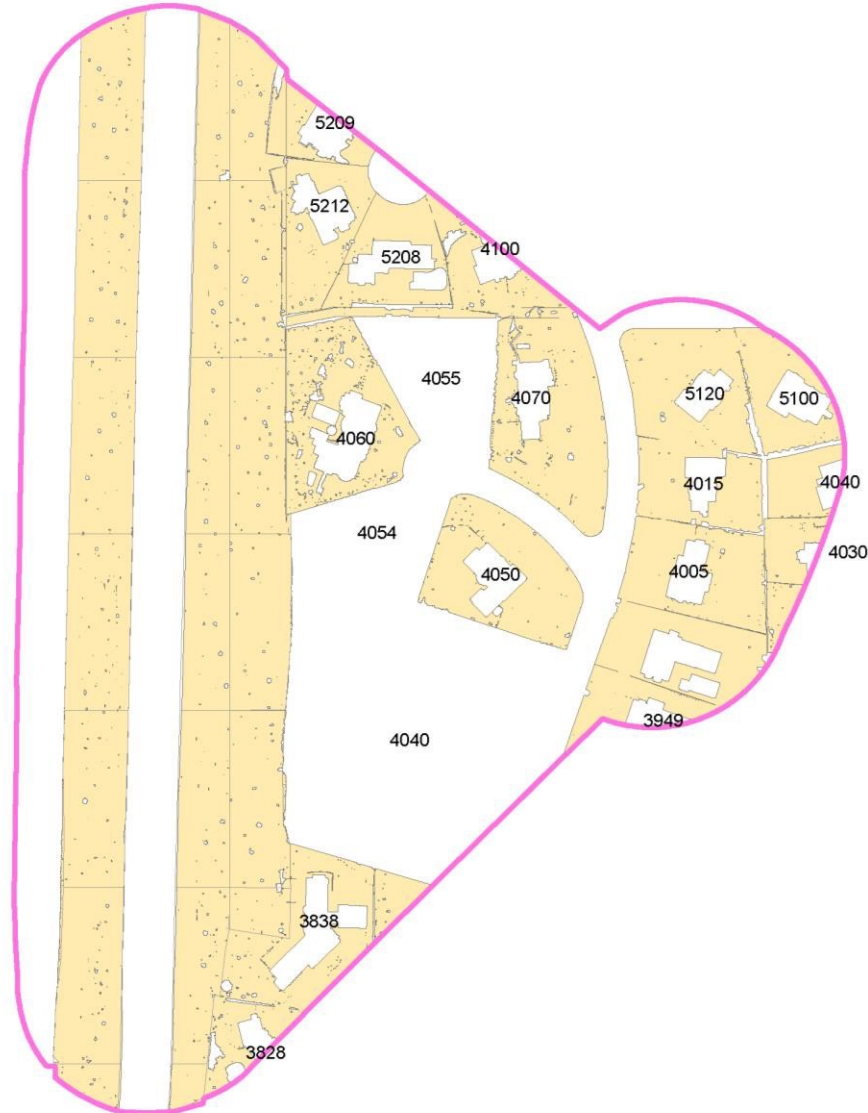
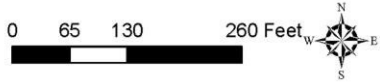
- MPV Survey Coverage of accessible areas = 69.2%
- Additional inaccessible areas include buildings, 18-inch saturation buffer, streets, and trees
- Accessible/No Coverage areas include data gaps caused by vegetation or other obstructions that were not allowed to be removed
- Dalecarlia Reservoir and three residential properties have yet to be surveyed

\*not for public release\*

**Figure 4**  
**Static Test Fire Area**  
**Buffer Zone Woods**  
**Overall MPV Coverage**

**Legend**

-  Static Test Fire Area
-  Buffer Zone Woods
-  MPV Coverage



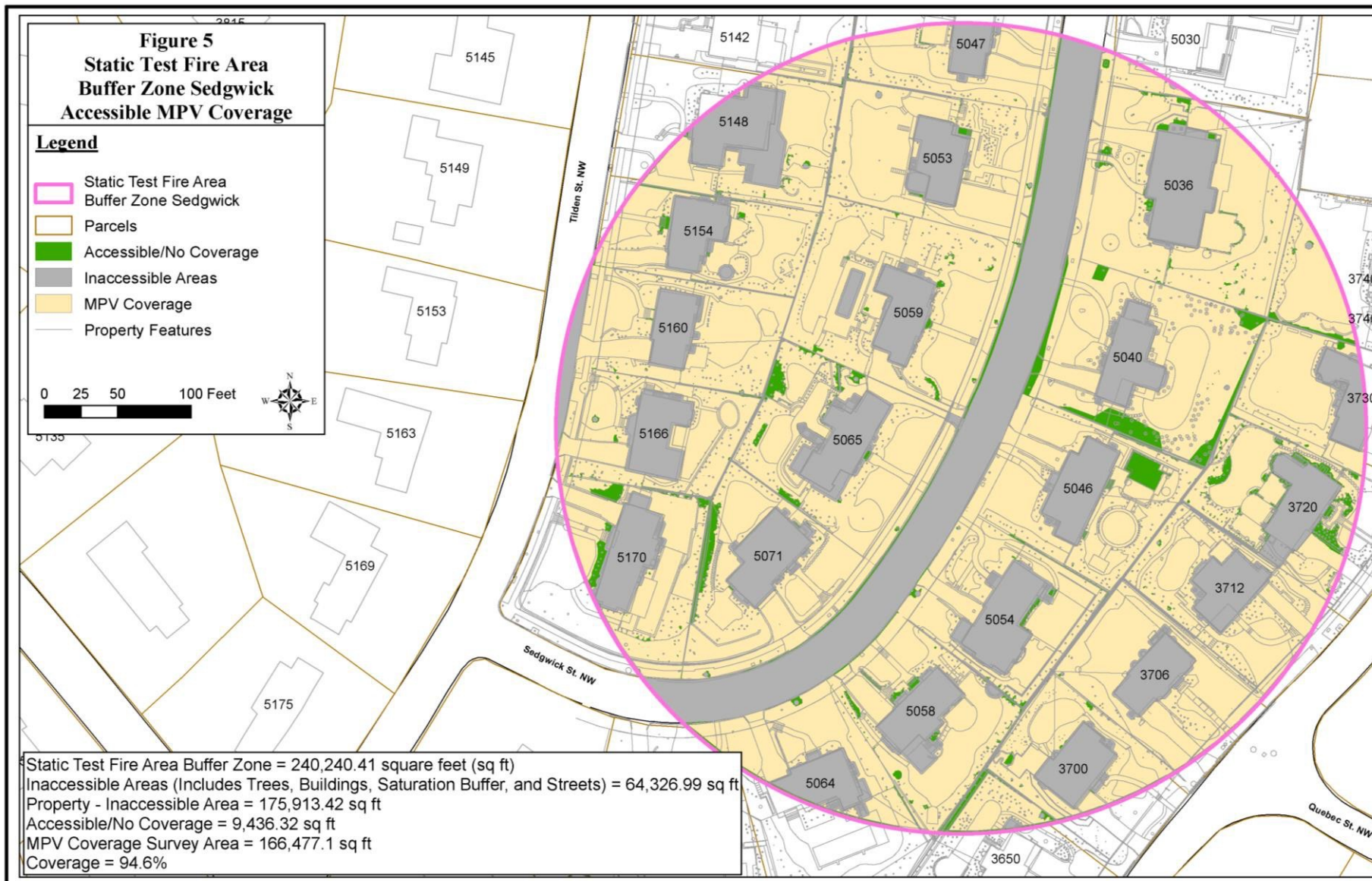
Static Test Fire Area Buffer Zone = 738,357.13 square feet (sq ft)  
MPV Coverage Survey Area = 395,333.52 sq ft  
Survey Coverage = 53.5%

## Static Test Fire Area West

- Overall MPV Survey Coverage of Area of Focus = 53.5%
- Dalecarlia Reservoir and three residential properties have yet to be surveyed

\*not for public release\*







## 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

\*not for public release\*

**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

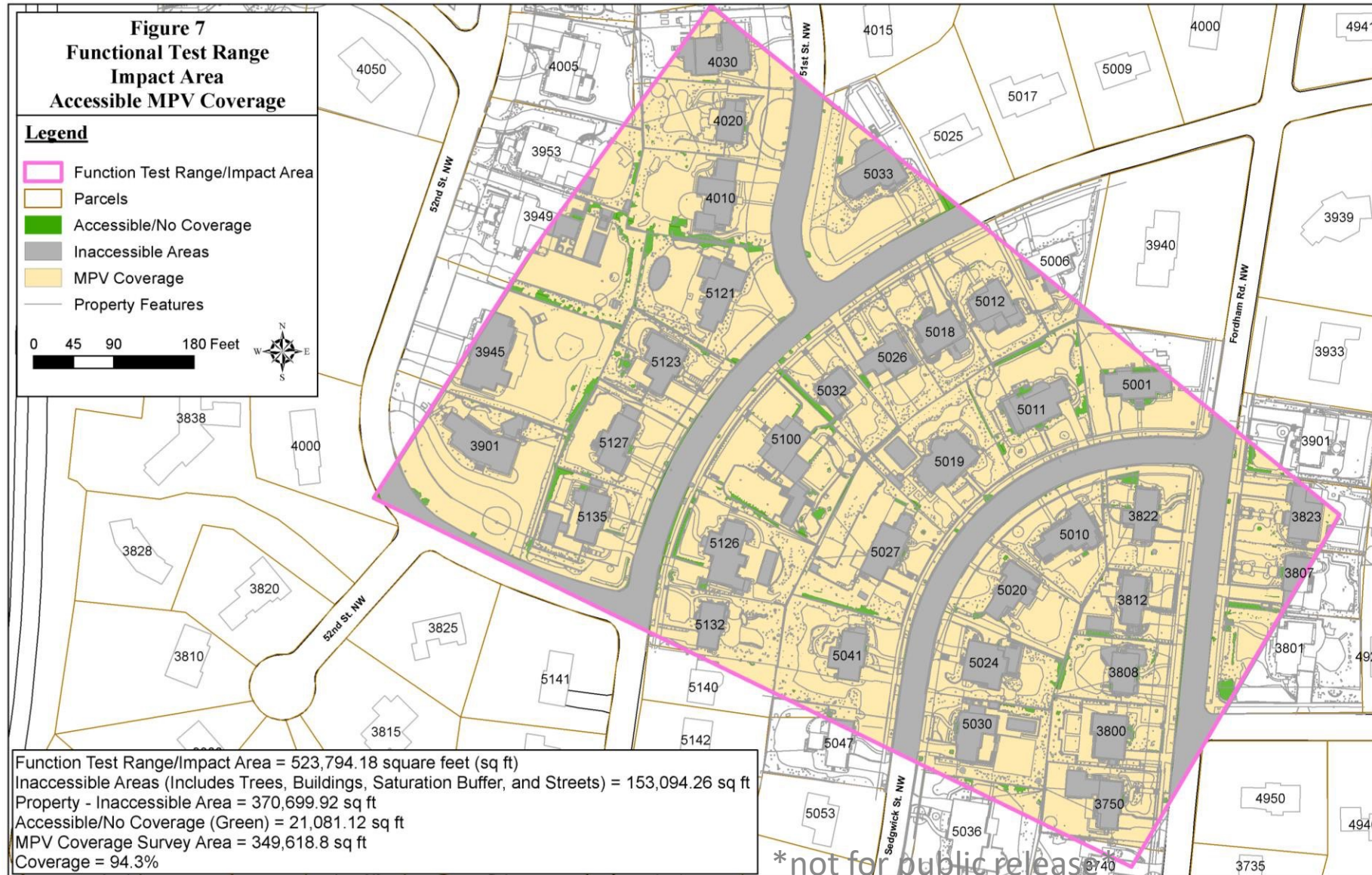


Static Test Fire Area Buffer Zone = 240,240.41 square feet (sq ft)  
MPV Coverage Survey Area = 166,477.1 sq ft  
Survey Coverage = 69.2%

## Static Test Fire Area East

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







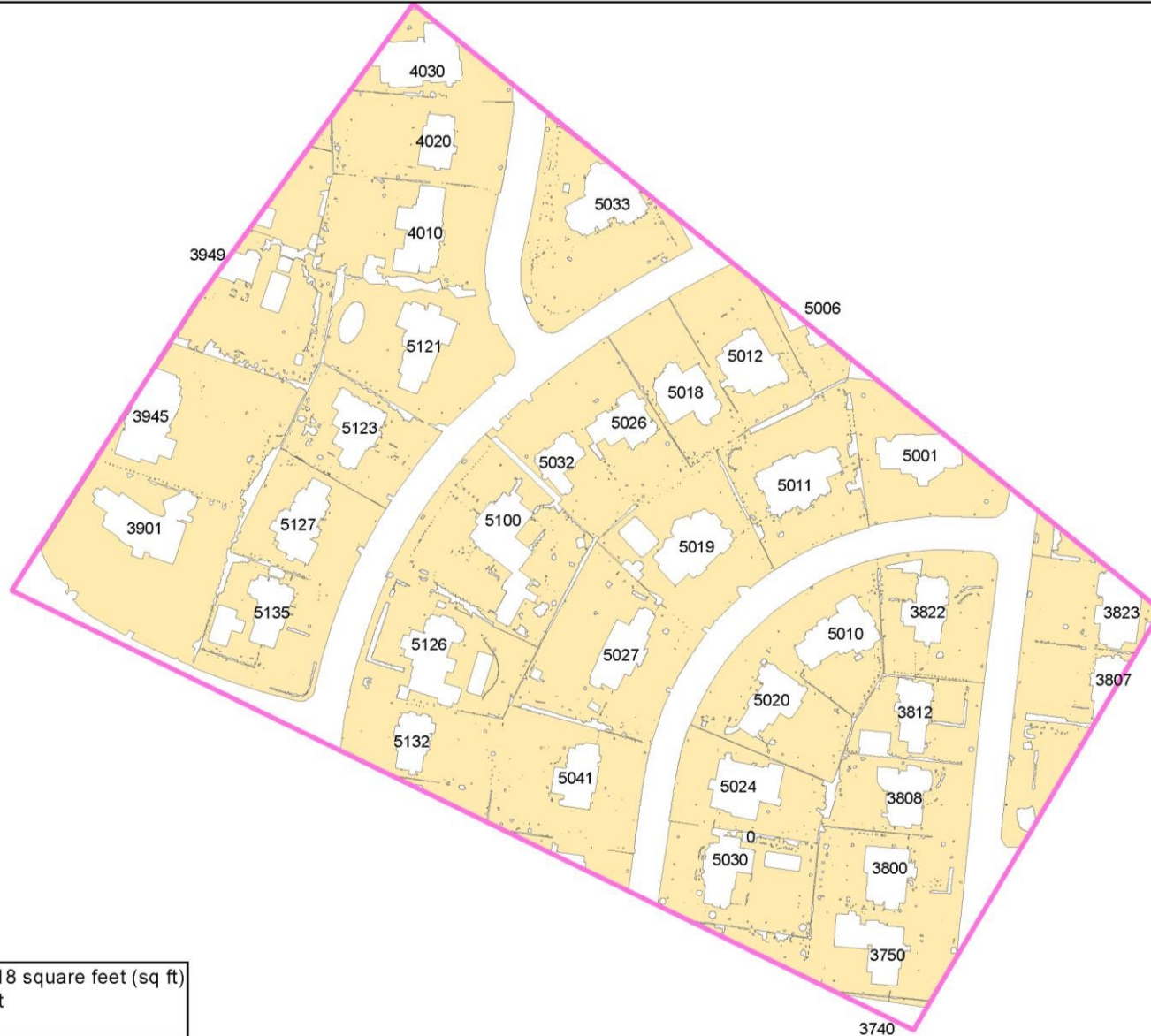
## Function Test Range Impact Area

- 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

**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%



## Intrusive Investigations:

- Intrusive investigations conducted at 5209 Upton Terrace, 5212 Upton Terrace, 4060 52<sup>nd</sup> Terrace, 3720 Fordham Road, and Grid I6 and I7 Addendum areas
- No MEC recovered
- 2 MD items recovered and pending headspace analysis
  - 75mm Projectile Fragmentation (pictured)
  - Unidentifiable Fragmentation



## Intrusive Statistics:

- 89 residential properties completed to date (96.7%)
- 2,920 targets investigated
- MD recovered = 135 (4.6% of total digs)
- MEC recovered (including Civil War cannonball) = 3 (0.10% of total digs)
- WW1-era MEC recovered = 2 (0.07% of total digs)

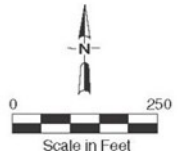


## Intrusive Investigations:

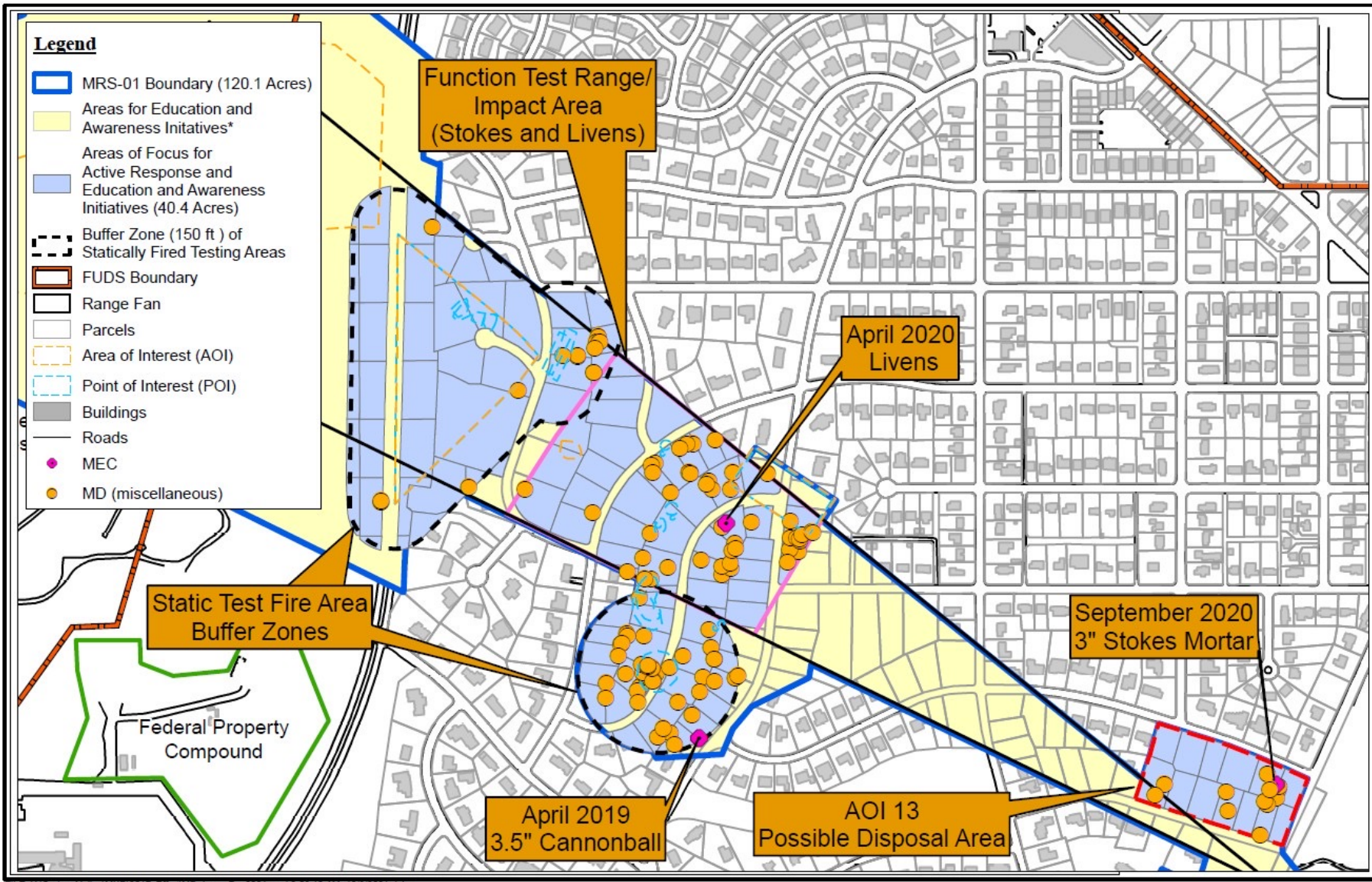
Tentative March 2022 Intrusive

Complete

Completed during 2016 Pilot Study







FILE: Y:\Spring\_Valley\MXD\2017\_Effort\MD\_Locs\_Dec2021.mxd 9:58:10 AM 12/9/2021 ricksc

- Work initiated at 91 of 92 properties
- Property owner approval of landscape plan pending at one property
- One property owner approved their landscape plan and is ready for geophysical surveys
- Four properties completed intrusive investigations in November 2021



### Current Property/Grid Status (92/13.5):

Yet to begin RA process (1/0)

Pending Approved LSP (1/0)

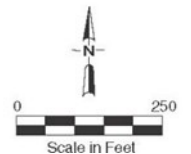
Homeowner Approved LSP (1/0)

Intrusive Complete (89/13)

Completed during 2016 Pilot Study

Remediation Planned  
previous DGM completed

Remediation Planned  
as listed in PWS







- **Property Specific Data Summary (PSDS) Reports** – Four Draft Final PSDSs were submitted to include 3720 Fordham Road, 4060 52<sup>nd</sup> Terrace, 5209 Upton Terrace, and 5212 Upton Terrace.
- **Root Cause Analyses (RCAs)/Field Variance Forms (FVFs)** – One RCA to address a QC Blind seed missed during target classification for 5212 Upton Terrace was submitted and approved by USACE.
- **Remedial Action Property Summaries (RAPS)** – No RAPS were submitted since the last Partners presentation.



- **Vegetation Removal/Blind Seeding** – One property (4054 52<sup>nd</sup> Terrace) scheduled to have vegetation removed the first week of January 2022. Blind seeding at the property to follow vegetation removal.
- **Geophysical Surveys** – Dynamic geophysical surveys are anticipated to begin at 4054 52<sup>nd</sup> Terrace the second week of January 2022.
- **Intrusive Investigations** – Intrusive investigation of 4054 52<sup>nd</sup> Terrace is anticipated to occur in March 2022.



- 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.



\*not for public release\*



- Demobilized from the PSB site on 16 April 2021.
- Completed E&S Control
- Inspections every other week in October through December 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.







# PUBLIC SAFETY BUILDING STATUS

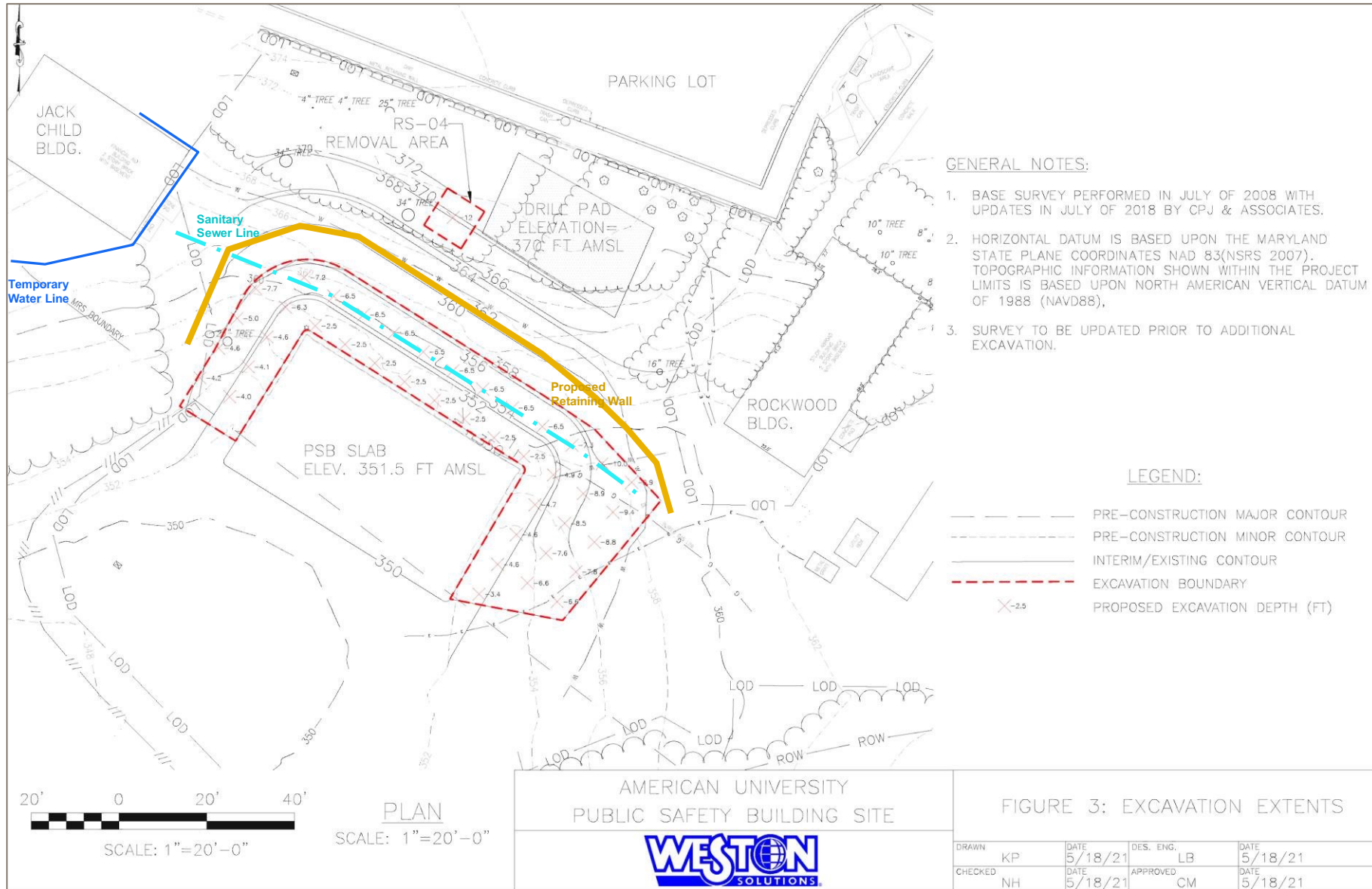
- Completed the Rotosonic drilling and Test Pit investigation to determine extent of AUES debris north, east & west of the PSB foundation slab on April 12<sup>th</sup>. Final report was submitted June 23<sup>rd</sup>.
- Demobilization of the PSB Site was completed on April 16, 2021, and the PSB site 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 continues to evaluate the proposal, funding options, and contracting requirements.



# 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.







# 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 many months before the work is awarded and the required planning documents are prepared and approved.
- Slope Soil Removal not expected to begin until spring/summer 2022.
- 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.



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](mailto:Dan.G.Noble@usace.army.mil)





# GROUNDWATER STUDY



- Awarded contract to AECOM for completing the Groundwater Addendum to Remedial Investigation Report, No Action Proposed Plan, and No Action Decision Document.
- Anticipate scheduling a meeting with Partners in January to discuss specific details to be included in the RI addendum.



*Groundwater sampling well*



# SPRING VALLEY PARTNERS

## Reminders:

- Due to continued concerns surrounding the COVID-19 pandemic, the next Partners meeting for **February** 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?*

