

SPRING VALLEY FORMERLY USED DEFENSE SITE

Partners Meeting Presentation
August 2021



US Army Corps
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AGENDA REVIEW



Parsons Update

- 4825 Glenbrook Road

Weston Updates

- Site-Wide Remedial Action
- Public Safety Building

USACE Updates

- Groundwater Study
- Glenbrook Road Leases

Future Partners Agenda Development

SPRING VALLEY GLENBROOK ROAD SITES

PARTNER'S UPDATE
August 2021



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4825 Glenbrook Road - Recent Activities

- Parsons continued to water the grass throughout July and August
- The last round of hydroseed was reseeded in early August due to the lack of grass growth
- The challenge remains that growing new grass in hottest part of summer is a challenge in this region



Data not for public release



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4825 Glenbrook Road - Recent Activities (Cont.)



The privacy fence along the backyard and the shared property line up to the front of the 4835 Glenbrook Rd house was installed between August 16th and 23rd.



4825 Glenbrook Road – Site Specific Final Report

- Parsons added a chapter that details the work done on 4835 Glenbrook as part of the removal action along with conclusions relative to previous RI for said property
- Report still needs regulator and CX review but is likely this review will not be completed in time for Parson to submit final before PoP expires
- Parsons will submit a provisional final that will allow USACE to perform page changes on any copies



Near -Term Schedule

- Remove silt fence along the road but leave the portion up near where the 4835 Glenbrook Rd air conditioning units are
- Submit a provisional Final SSFR for government use
- Fully demobilize from the project August 27th

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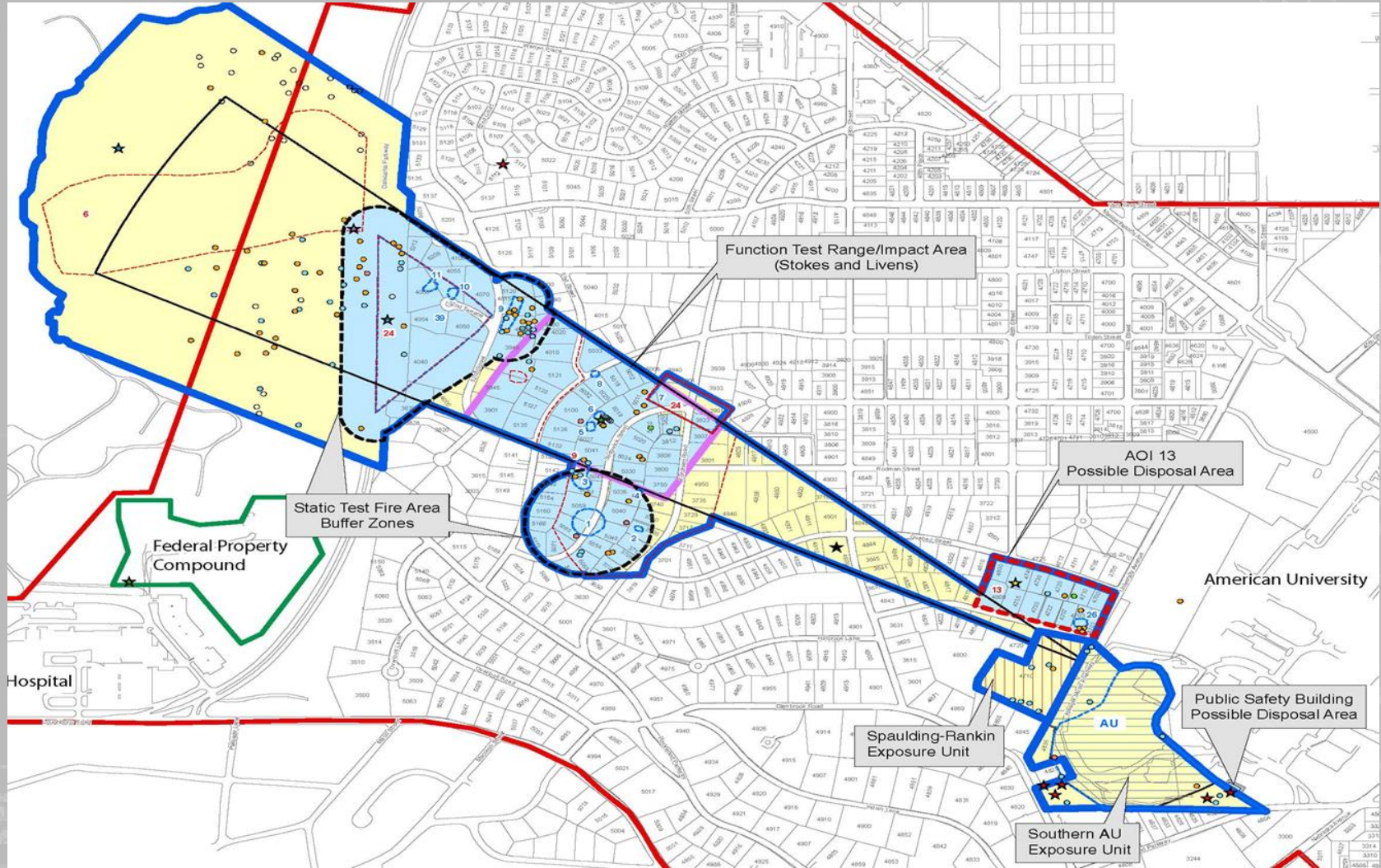
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SVFUDS SITE-WIDE REMEDIATION STATUS AUGUST 2021

Weston Solutions, Inc.

August 20, 2021



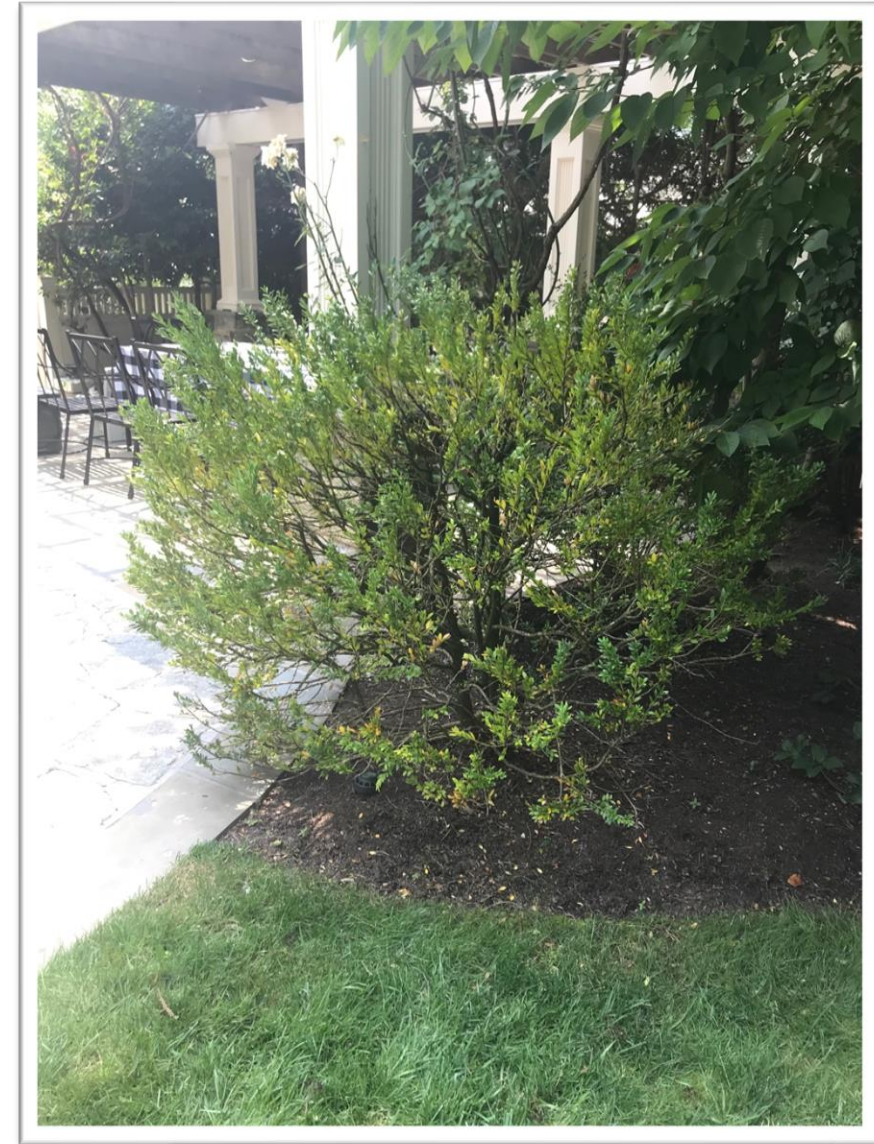
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RESIDENTIAL PROPERTIES*

- **Property Availability** – Two properties have approved Landscape Plans. Five property owners yet to approve Landscape Plans.
- **Site Preparation** – One property remains to start preparation activities. An initial landscape plan meeting was held with one homeowner. A follow up landscape plan meeting was conducted at the Algerian Embassy.





RESIDENTIAL PROPERTIES (CONTINUED)



Geophysical surveys:

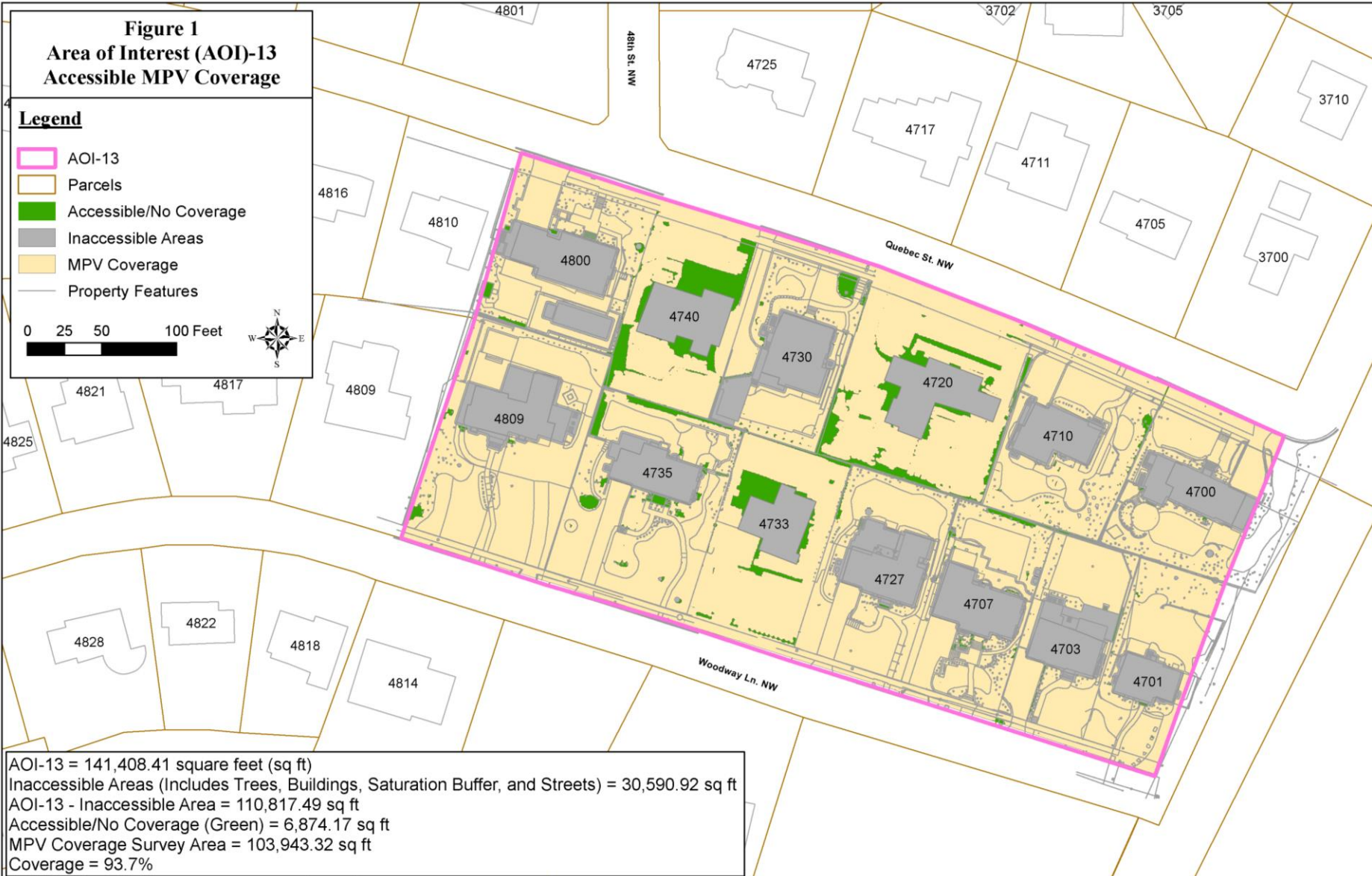
- No geophysical surveys have been conducted since the June 25 Partners update. The next round of geophysical surveys are pending completion of site preparation activities and/or property owner approvals of Landscape Plans.
- To date, geophysical surveys have been completed at 13 Fed/city lots and 85 residential properties
- Geophysical surveys remaining to be conducted include 7 residential properties



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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

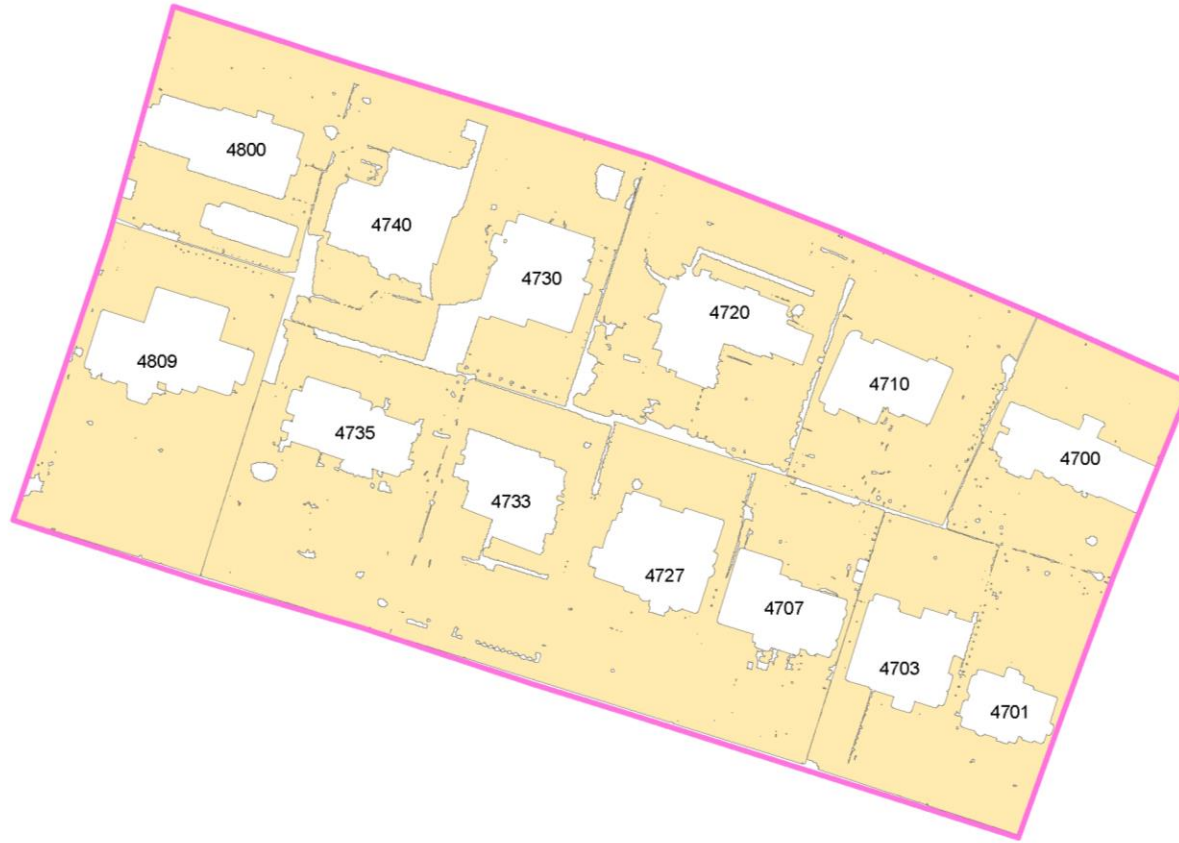


Figure 2
Area of Interest (AOI)-13
Overall MPV Coverage

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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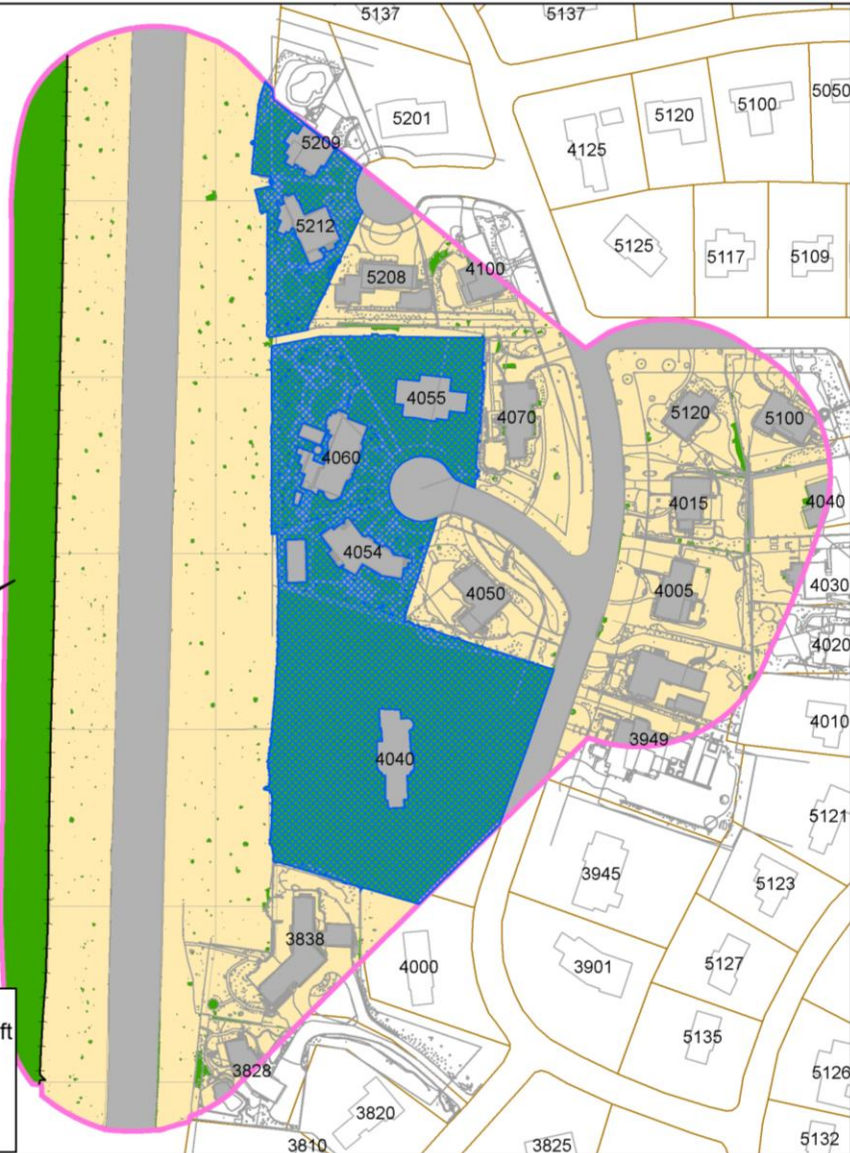
GEOPHYSICAL SURVEY COVERAGE



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



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) = 167,876.65 sq ft
 Property - Inaccessible Area = 570,480.48 sq ft
 Yet to be Surveyed and Accessible/No Coverage = 208,069.65 sq ft
 MPV Coverage Survey Area = 362,410.83 sq ft
 Coverage = 63.5%

Static Test Fire Area West

- MPV Survey Coverage of accessible areas (Dalecarlia Reservoir property considered inaccessible) = 63.5%
- 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
- Six properties have yet to be surveyed

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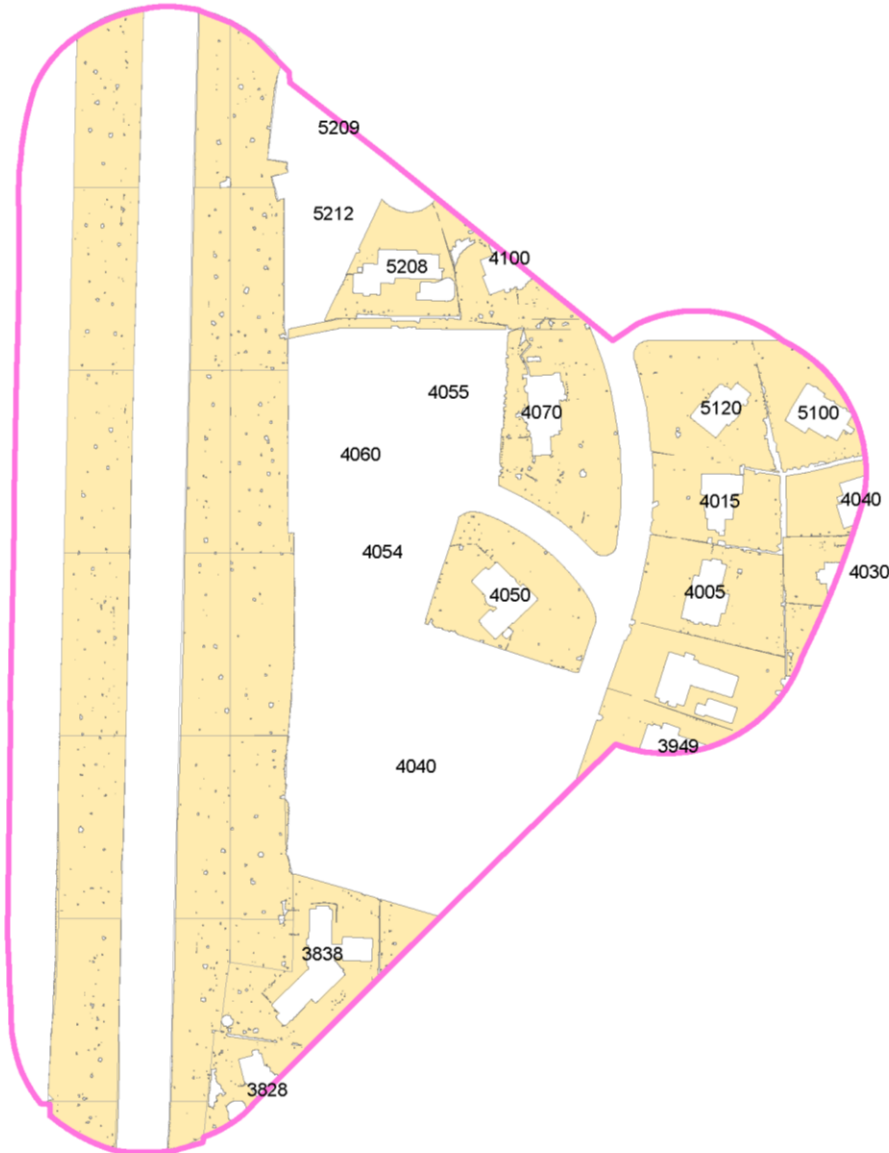
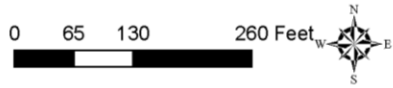
GEOPHYSICAL SURVEY COVERAGE



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 = 362,410.83 sq ft
 Survey Coverage = 49.0%

Static Test Fire Area West

- Overall MPV Survey Coverage of Area of Focus = 49%
- Six properties have yet to be surveyed

not for public release



GEOPHYSICAL SURVEY COVERAGE



Static Test Fire Area East

- MPV Survey Coverage of accessible areas = 91.2%
- 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
- One property has yet to be surveyed

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GEOPHYSICAL SURVEY COVERAGE

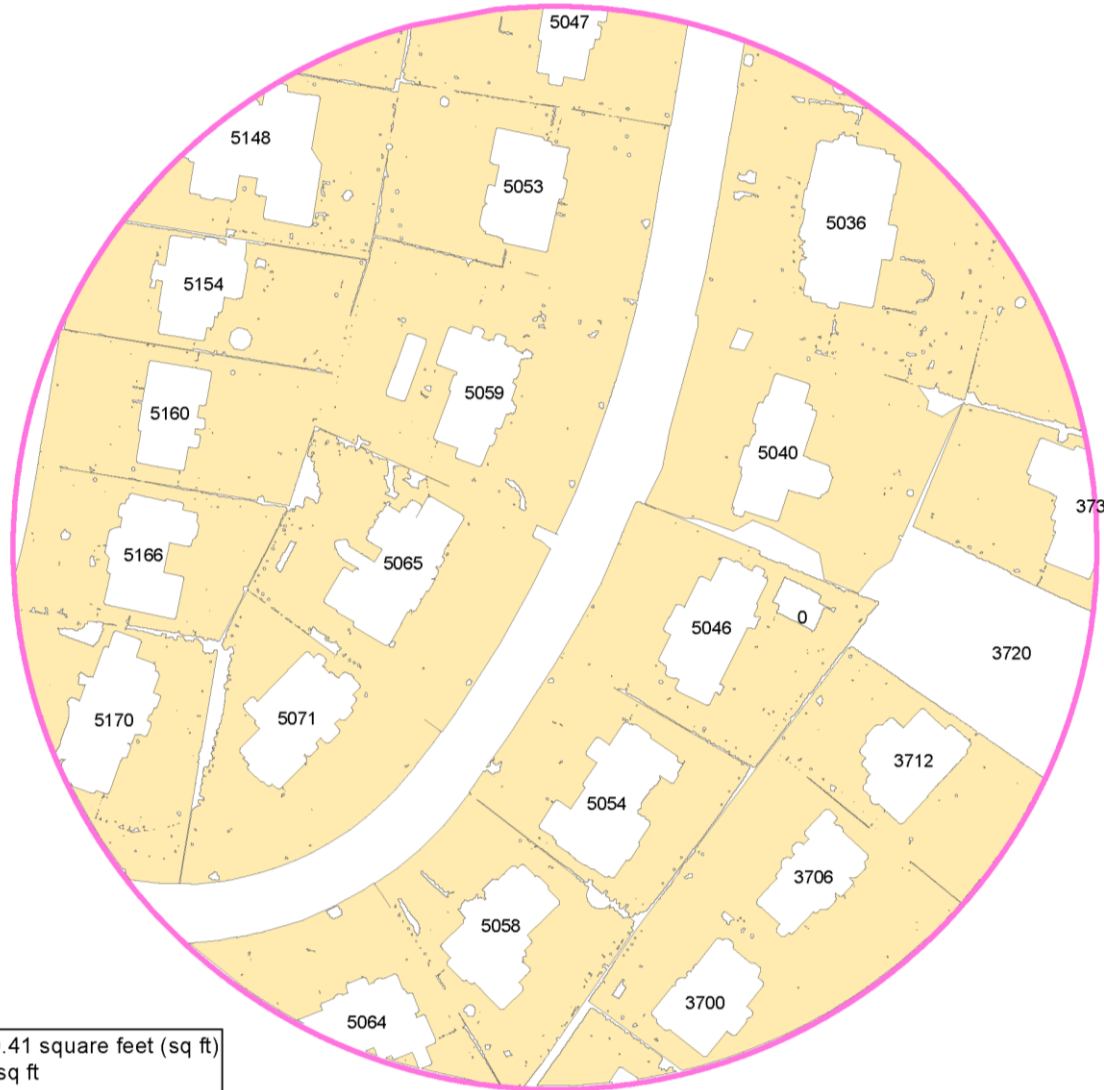


Figure 6
Static Test Fire Area
Buffer Zone Sedgwick
Overall MPV Coverage

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 = 160,953.77 sq ft
Survey Coverage = 66.9%

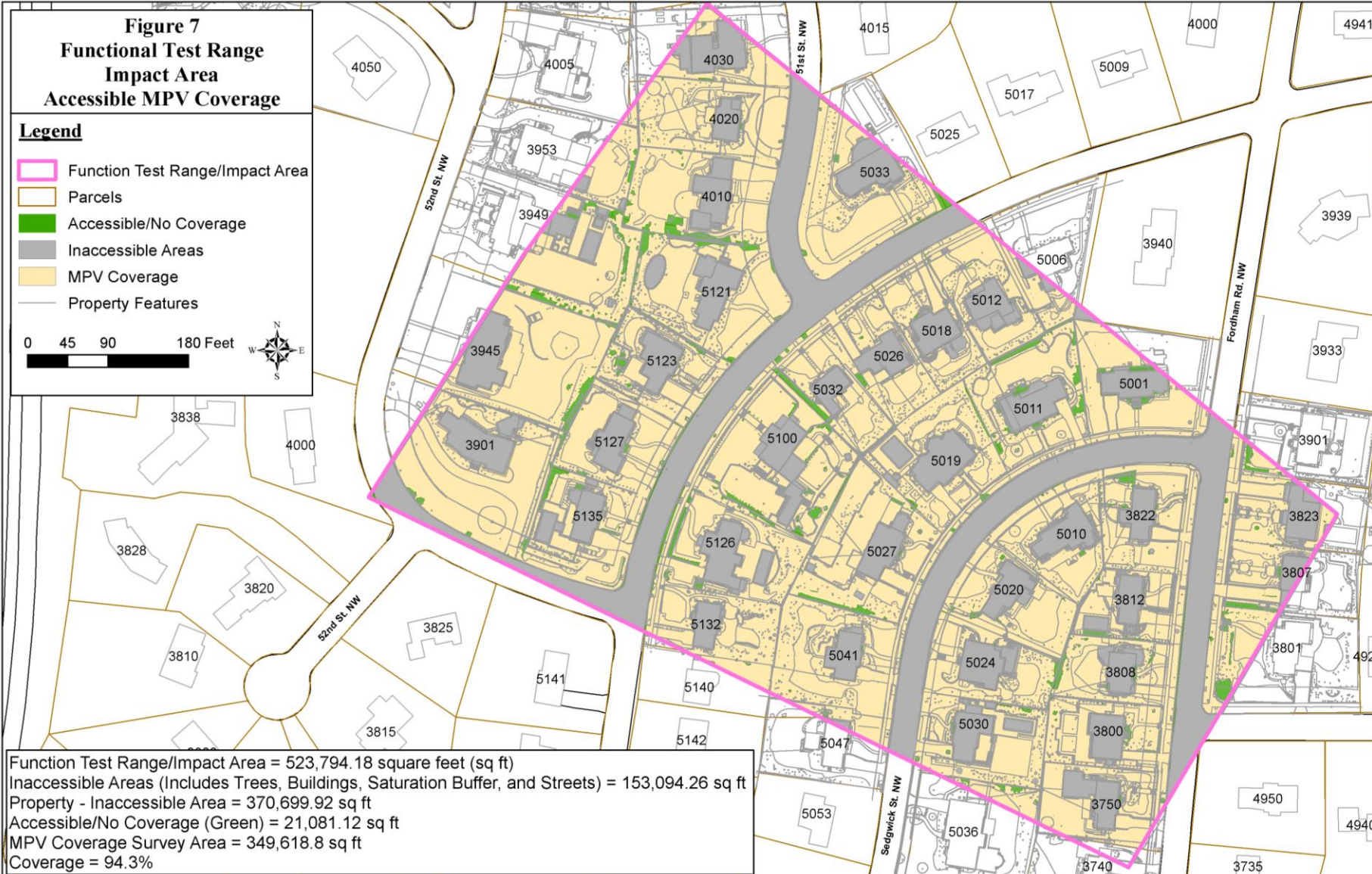
Static Test Fire Area East

- Overall MPV Survey Coverage of Area of Focus = 66.9%
- One property has yet to be surveyed

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GEOPHYSICAL SURVEY COVERAGE



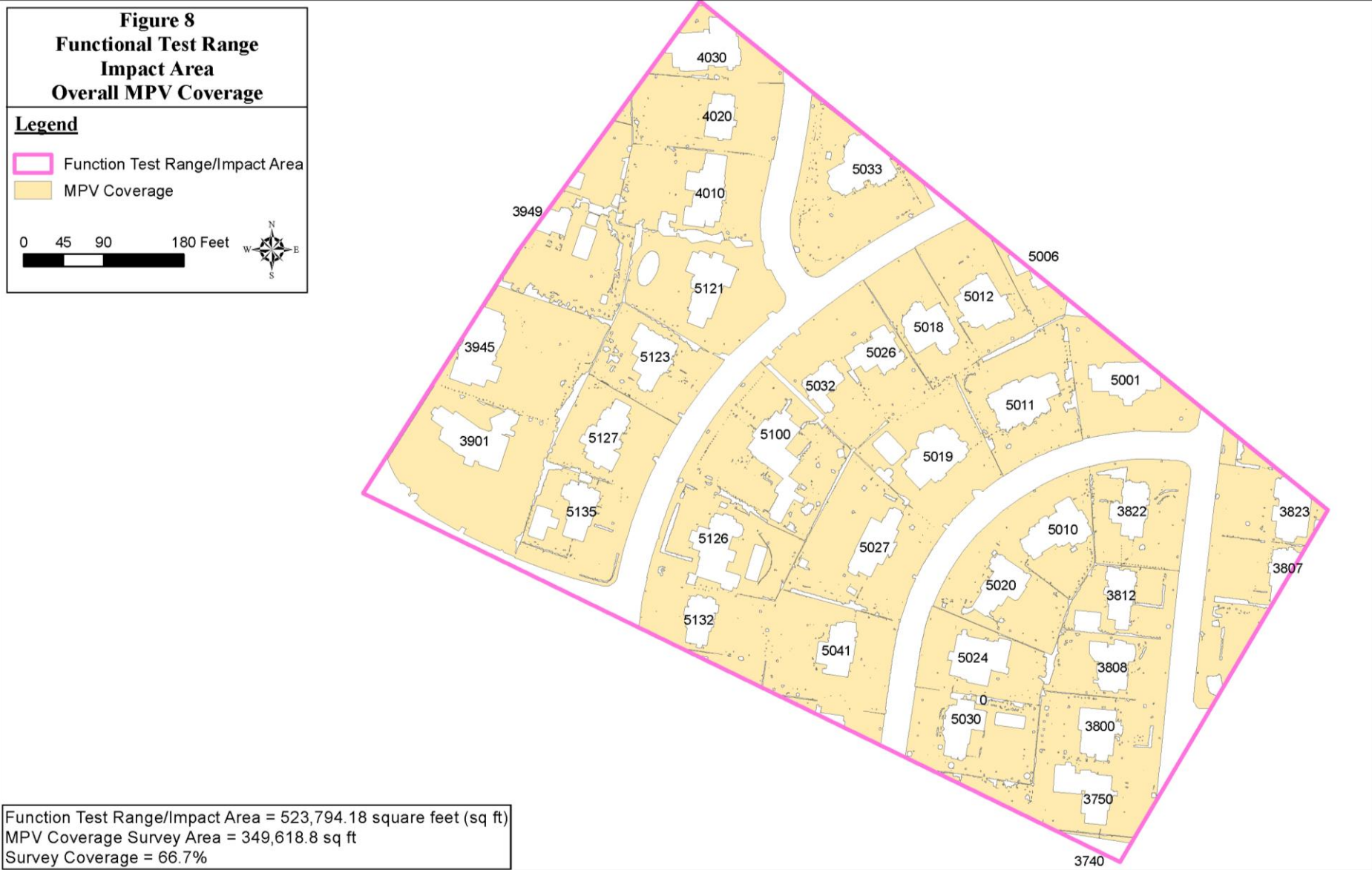
Function Test Range Impact Area

- 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

not for public release



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:

- No intrusive investigations have been conducted since the June 25 Partners update.



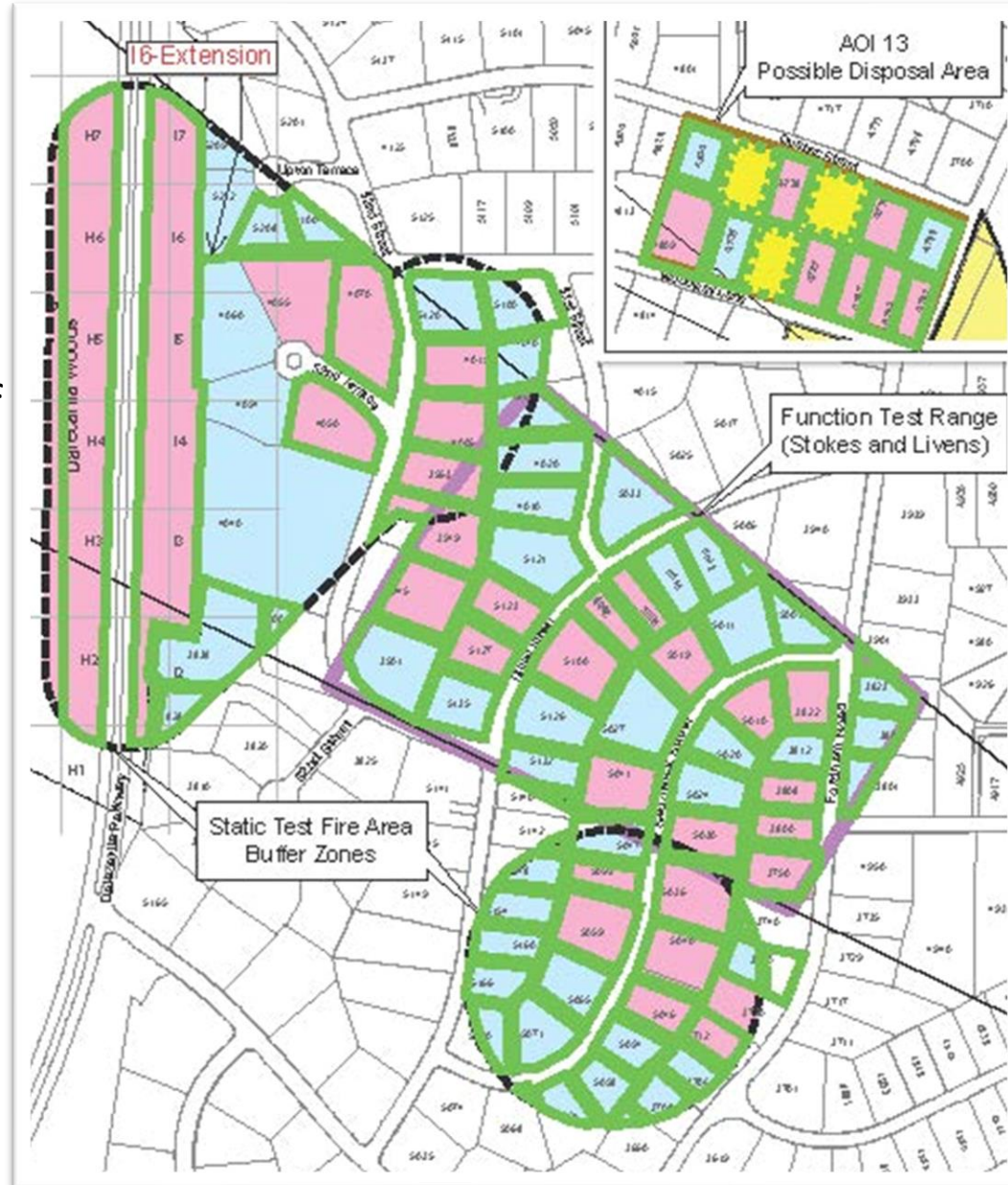


RESIDENTIAL PROPERTIES – INTRUSIVE STATUS



Intrusive Statistics:

- 85 residential properties completed to date (92%)
- 2795 targets investigated
- MD recovered = 133 (4.7% of total digs)
- MEC recovered (including Civil War cannonball) = 3 (0.11% of total digs)
- WW1-era MEC recovered = 2 (0.07% of total digs)

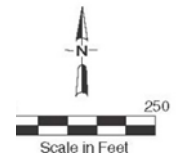


Intrusive Investigations:

Complete

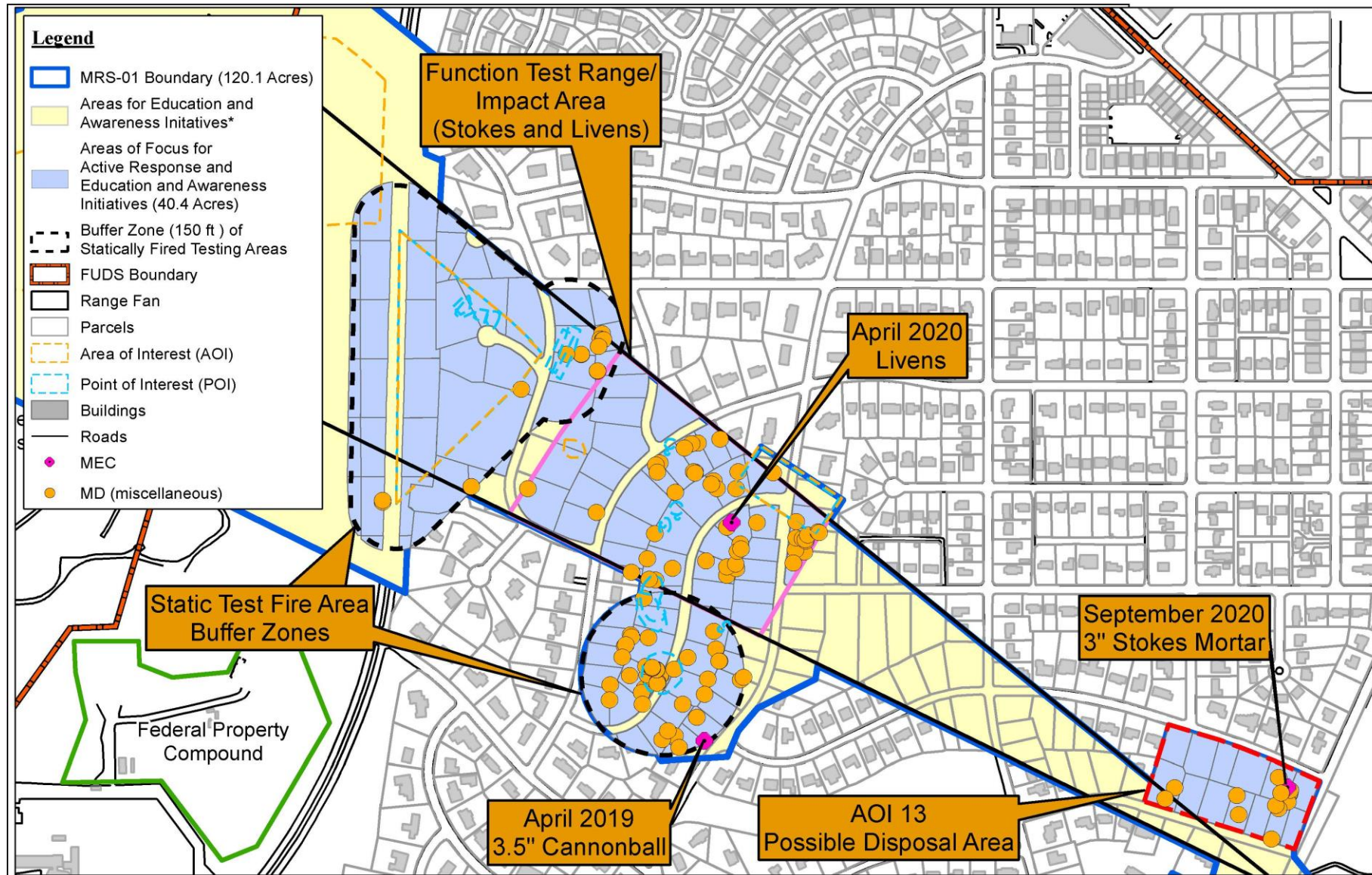
Completed during 2016 Pilot Study

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





RESIDENTIAL PROPERTIES – RA MEC/MD FINDS

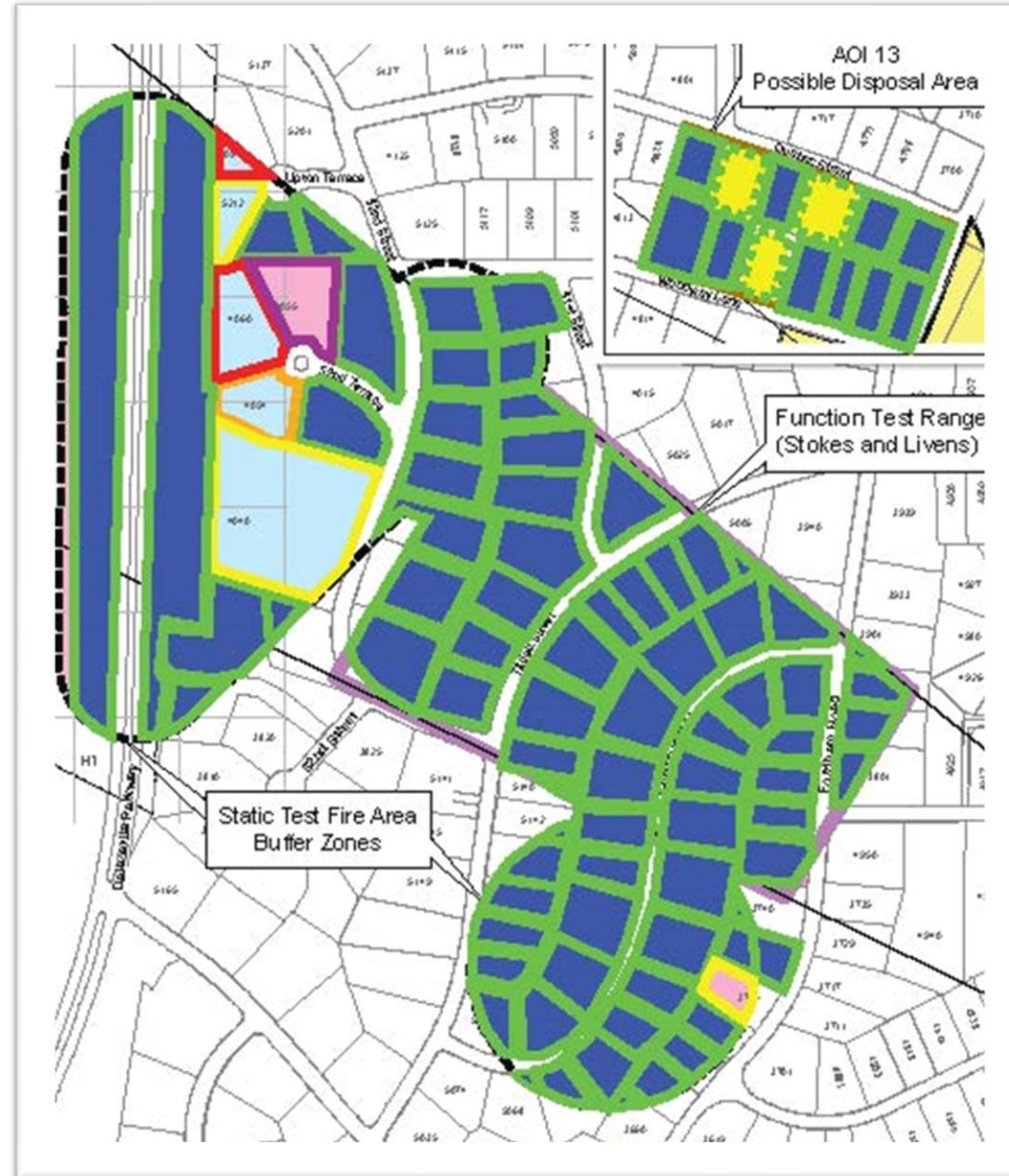




RESIDENTIAL PROPERTIES – GENERAL STATUS



- Work initiated at 91 of 92 properties
- Property owner approval of landscape plans pending at three properties
- Landscape Plan meeting with homeowner pending at one property
- Two properties have an approved Landscape Plan
- The grids west of the Washington Aqueduct fence will be surveyed during the next mobilization.



Current Property/Grid Status (92/13.5):

Yet to begin RA process (1/0)

Pending Homeowner Meeting (1/0)

Pending Homeowner LSP Approval (3/0)

Homeowner Approved LSP (2/0)

Intrusive Complete (85/13)

Completed during 2016 Pilot Study

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





RESIDENTIAL PROPERTIES – DELIVERABLES*

- **Property Specific Data Summary (PSDS) Reports** – No Draft Final PSDS documents have been developed since the last Partners presentation.
- **Root Cause Analyses (RCAs)/Field Variance Forms (FVFs)** – No new RCAs or FVFs have been issued since the last Partners presentation.
- **Remedial Action Property Summaries (RAPS)** – Five Draft Final RAPS were submitted for partner review and three Final RAPS were printed and mailed since the last Partners Presentation.



RESIDENTIAL PROPERTIES – SCHEDULE



- **Geophysical Surveys** – Schedule for geophysical surveys at 7 remaining properties pending completion of site preparation activities and/or property owner approvals of Landscape Plans.



PUBLIC SAFETY BUILDING UPDATE



- 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 April 16th.
- Completed E&S Control Inspections on July 2nd, July 16th, July 26th and August 11th.
- Conducted site scoping walk with excavation and retaining wall contractors at PSB on July 26th.
- Mowed PSB site during the week of July 26th.



Backfilled Excavation & Soil Benches - Photo from April 23, 2021

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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.
- 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.
- Submitted the Final Technical Memorandum with the Public Safety Building Test Pit Excavation and Rotosonic Drilling investigation results on June 23rd.
- USACE sent out a Request for Proposal dated 21 July 2021 to complete the excavation of AUES debris observed east, north and west of the former PSB foundation. Proposal preparation is ongoing.



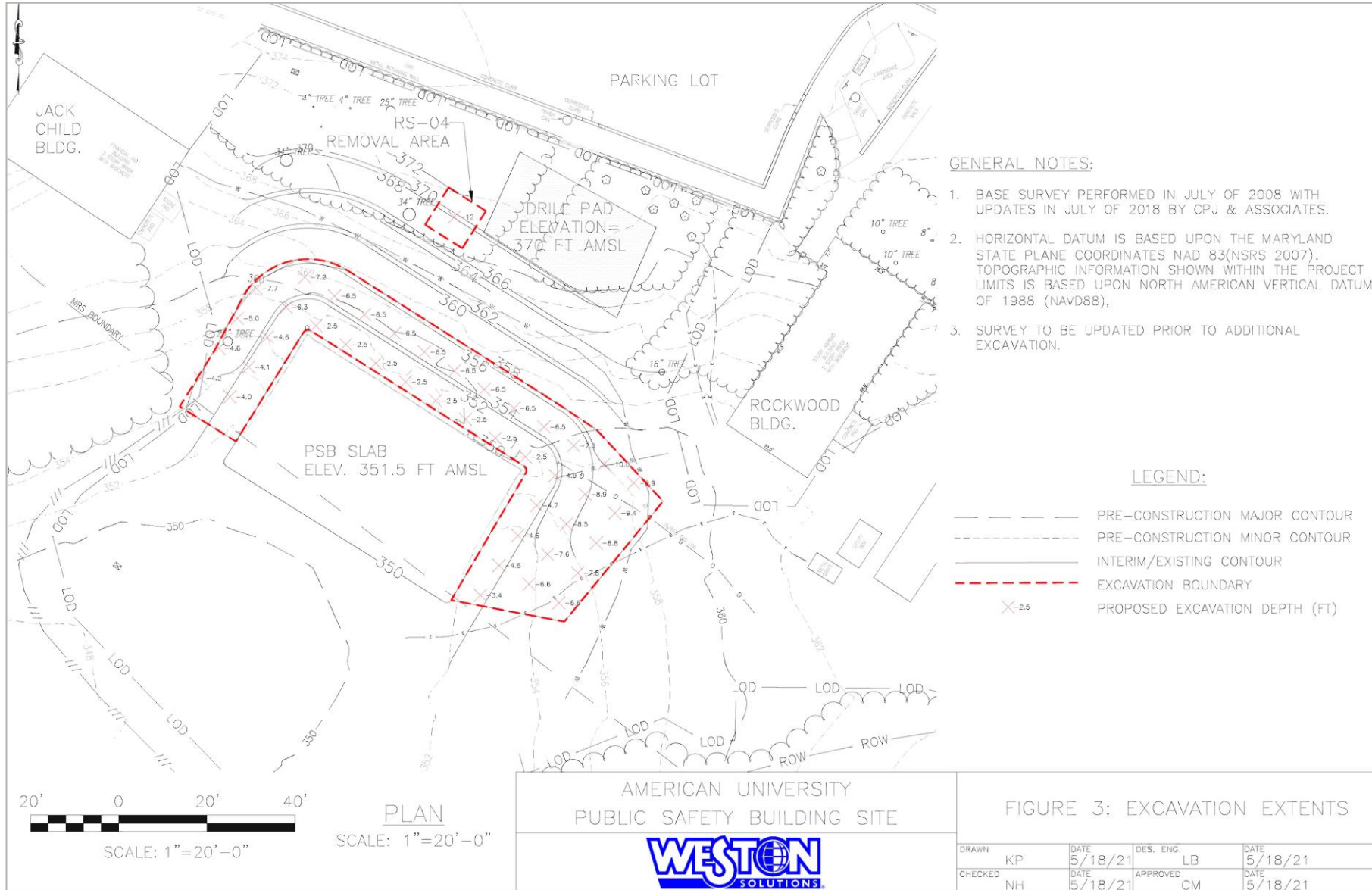
PSB SLOPE EXCAVATION PLANNING



- 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 Rotasonic soil borings completed at the PSB site in April 2021.
- To safely conduct the soil slope excavation north of the former PSB foundation and higher up on the PSB slope, a soil retaining wall is recommended.
- Currently subcontractors are developing cost estimates to conduct the soil excavation work and the design and construction of the retaining wall.



PSB SLOPE PROPOSED EXCAVATION EXTENT



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PSB SCHEDULE



- Based on the investigation results USACE determined the scope of work to excavate the extent of AUES debris identified during 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 winter 2021/2022.
- 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.



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



GROUNDWATER STUDY



USACE will remain focused on contracting actions until 30-September to obtain technical support in preparing the Groundwater documentation. USACE will update the Partners when the contract is in place and documentation is prepared.



Groundwater sampling well



GLENBROOK ROAD LEASES



- The Army Corps allowed the 4835 lease to expire at the end of January 2021. USACE will finalize an agreement with American University for damages incurred during the USACE lease of the property.
- The restoration efforts at the 4825 are nearing completion, and USACE allowed the lease to expire 31 July 2021 with no further need for renewal.



SPRING VALLEY PARTNERS



Reminders:

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

