

# SPRING VALLEY FORMERLY USED DEFENSE SITE

Restoration Advisory Board Meeting  
May 2021



US Army Corps  
of Engineers®



# AGENDA REVIEW

## Co-Chair Updates

- Website Updates

## Task Group Updates

- New Membership
- **USACE Updates**
- Site-Wide Remedial Action
- Glenbrook Road
- Groundwater

## Future RAB Agenda Development

- July 13<sup>th</sup>, 2021 RAB meeting





# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

## CO-CHAIR UPDATES





# CO-CHAIR UPDATES



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## Announcements

### --- Next Restoration Advisory Board Meeting - July 14, 2020

Due to health concerns surrounding COVID-19, our May RAB meeting has been cancelled. The presentation for this meeting will be uploaded on the project website. The next RAB meeting will tentatively be held on Tuesday, July 14th at 7 p.m. These meetings are open to the public. Currently, the RAB meets every other month for 60-90 minutes in the 'Undercroft' meeting room at St. David's Episcopal Church, 5150 Macomb Street NW, D.C.

*(Please note - The St. David's Episcopal Church staff have asked that we refrain from using the outside stairwells as a safety precaution due to water issues, poor lighting, and lack of stairs with grips; and use the bell tower entrance (which has internal stairs and an elevator). There will be signs clearly posted to direct RAB meeting attendees to the new entrance. We thank you in advance for following the request of our hosts, the St. David's Episcopal Church.)*

### --- Final Site-Wide Decision Document Now Available:

The Final Site-Wide Decision Document is complete and is now available at the Information Repository and for download here on our site. The Decision Document outlines the selected remedies to address both unacceptable risks posed by soil contamination and unacceptable explosive hazards posed by the possible presence of munitions and explosives of concern (MEC).



## Website Updates:

- January, February, and March Monthly Site-Wide Project Updates
- January and March RAB meeting minutes have been posted to the project site
- Weekly 4825 Glenbrook Rd Project Updates with photos
- February Partner meetings update presentations were posted in lieu of meeting minutes



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## TASK GROUP UPDATES





# TASK GROUP UPDATES



## Open Positions on the RAB

- During the March RAB a Membership search committee was formed. The committee will search for a local Realtor to fill the open position for the RAB.



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## SITE-WIDE REMEDIAL ACTION (RA)

92 Properties - USACE Updates



*The project team continues to implement safety measures in response to COVID-19 including daily health monitoring of all workers, wearing masks, decontaminating tools, frequent hand washing, and social distancing.*

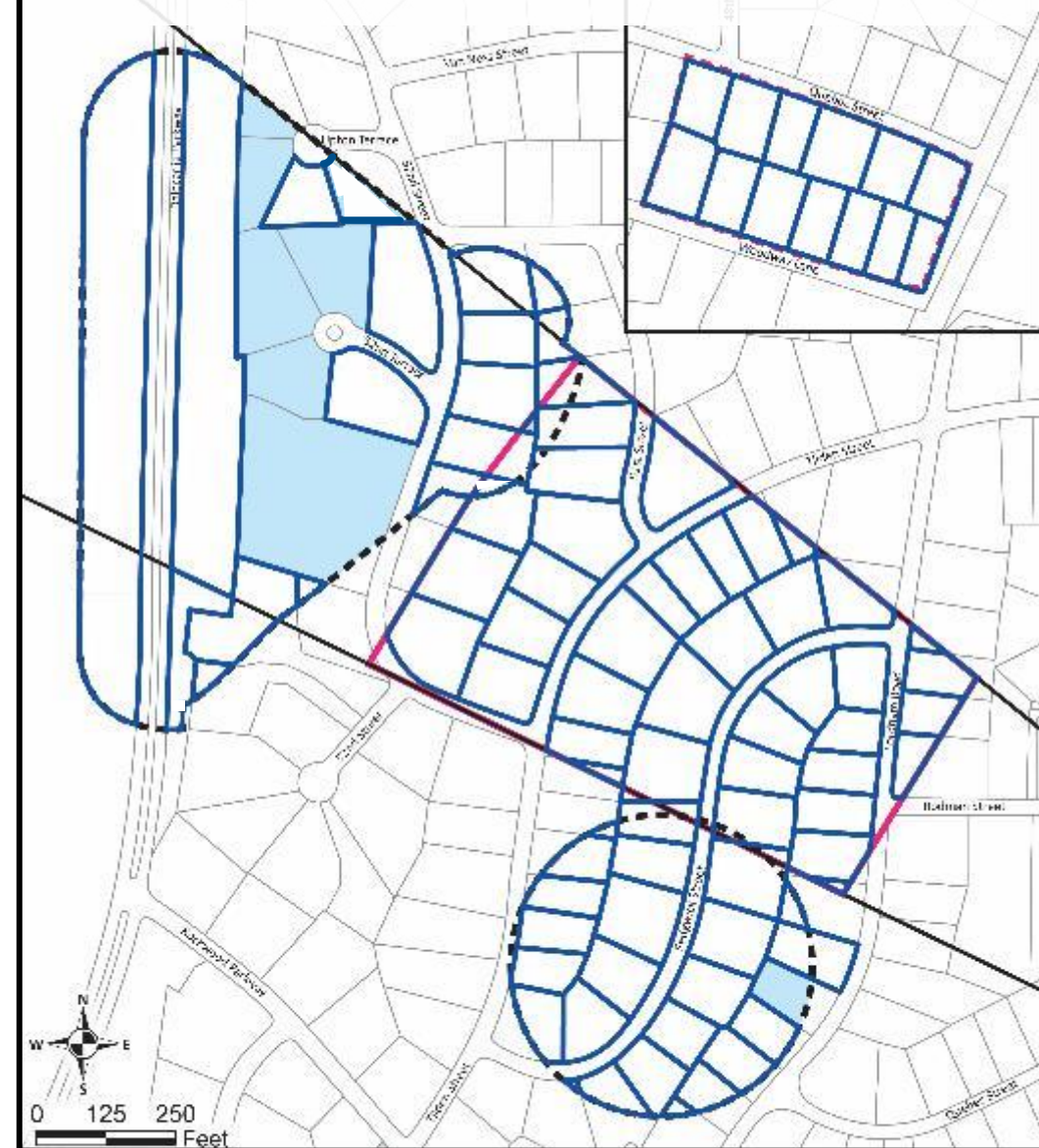


# SITE-WIDE REMEDIAL ACTION

## Final Survey effort at 92 Residential Properties & 13 Federal/City Lots:

- Currently working on 89 residential properties at different stages of the remedial action process.
- 89 civil surveys and 89 arborist surveys have been completed.
- 89 properties have been visited by the geophysicist team, who provide technical recommendations on plant removal.
- Vegetation has been removed from 85 private properties and 13 City/Fed lots.
- Geophysical surveys completed at 85 private properties and 13 City/Fed lots off Dalecarlia Parkway.
- Anomaly removal completed at 85 private properties and 13 City/Fed lots off Dalecarlia Parkway.
- Issued 61 Assurance Letters.

## Planned Remedial Action Area

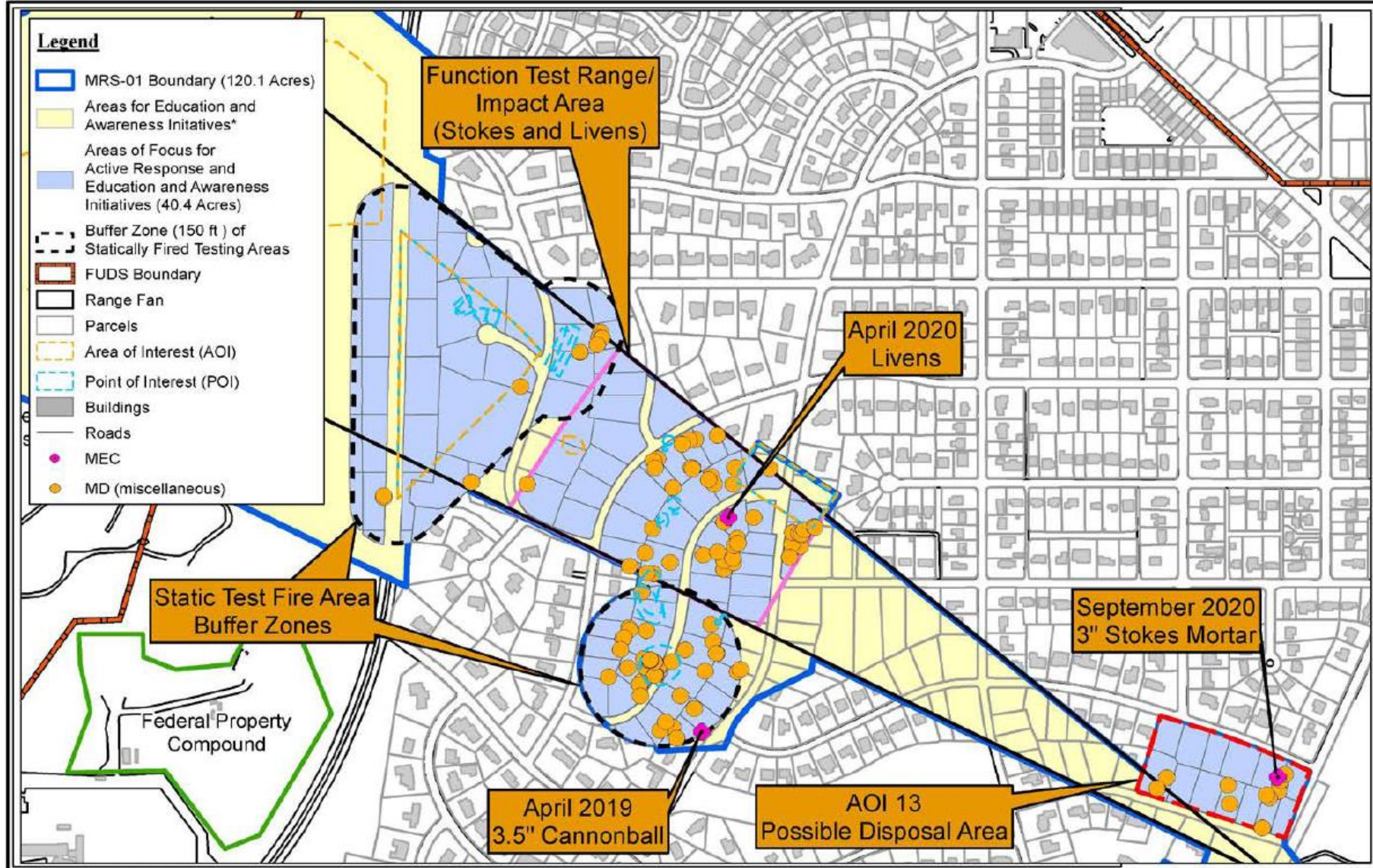


- Future Remedial Action
- No Further Action Required





# SITE-WIDE REMEDIAL ACTION RA MEC/MD Finds



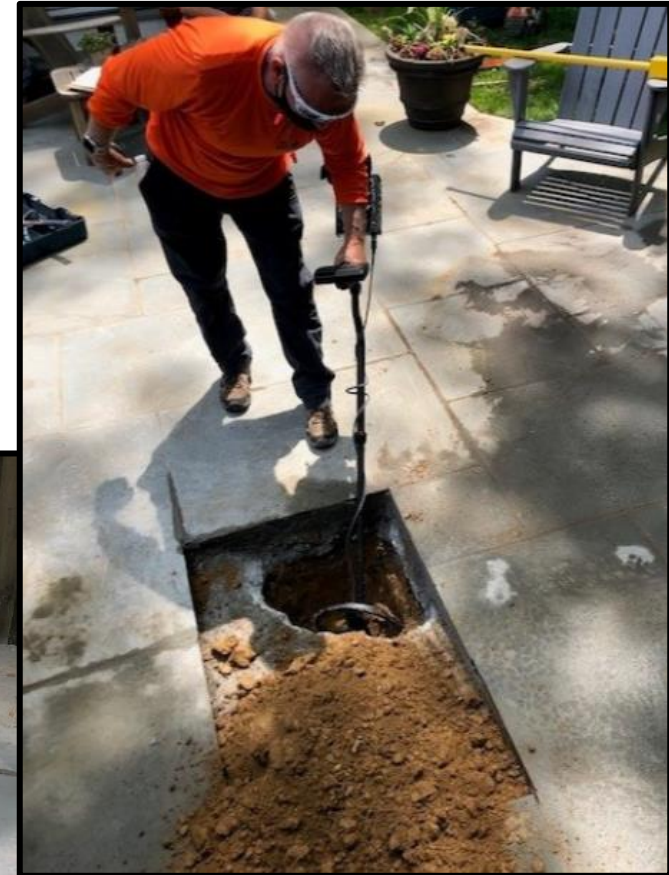


# SITE-WIDE REMEDIAL ACTION

## Site Preparation for Landscape Removal and Geophysical Surveys



- With the warmer Spring weather, the dig team was able to complete the remaining hardscape from the previous group of properties.
- Each hardscape dig site was promptly restored the next day after completing anomaly removal.

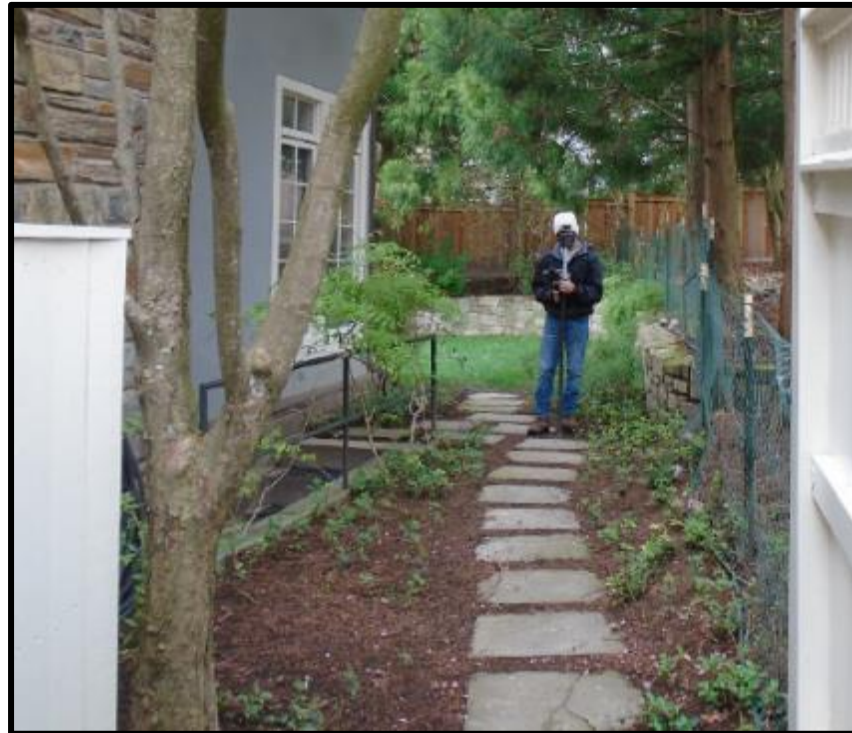




# SITE-WIDE REMEDIAL ACTION

## Site Preparation for Landscape Removal and Geophysical Surveys

- This Spring, the field team began the Remedial action effort process for the final group of properties with site preparation.
- This includes landscape appraisals, HD videos of properties, and planimetric surveys to map property boundaries.





# SITE-WIDE REMEDIAL ACTION

## *Tentative Schedule*



### **Spring 2021**

- Obtain remaining Rights-of-Entry from current group of homeowners.
- Finalize plant removal plans with the last groups of homeowners and conduct plant removal at private properties in preparation for geophysical surveys.
- Begin subsequent round of geophysical surveys.

### **Summer 2021**

- Complete round of anomaly removal efforts.
- Begin subsequent Final Restoration Site walks with final group of homeowners.



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## SITE-WIDE REMEDIAL ACTION (RA)

Public Safety Building (PSB) - USACE Updates





# SITE-WIDE REMEDIAL ACTION

## AU's Former Public Safety Building (PSB)

- On March 23<sup>rd</sup>, all backfilling, compaction, and test pitting activities were completed at the PSB excavation site.
- The team demobilized from the PSB excavation site on April 16<sup>th</sup>, leaving truck entrance as well as the security and work fencing.



**Restored Former PSB excavation site**



**Mini excavator loaded onto trailer for demobilization**



# SITE-WIDE REMEDIAL ACTION

## AU's Former Public Safety Building (PSB)

- In April, the team completed the Roto-Sonic drilling into the northern hillside to investigate the trail of debris. The investigation included 6 Soil Boring points (RS01-6).
- Each soil core was processed for AUES debris. Any potential debris encountered was logged and collected for headspace analysis.
- In addition to laboratory grade glassware, some burnt material was also encountered at Soil Boring RS03.



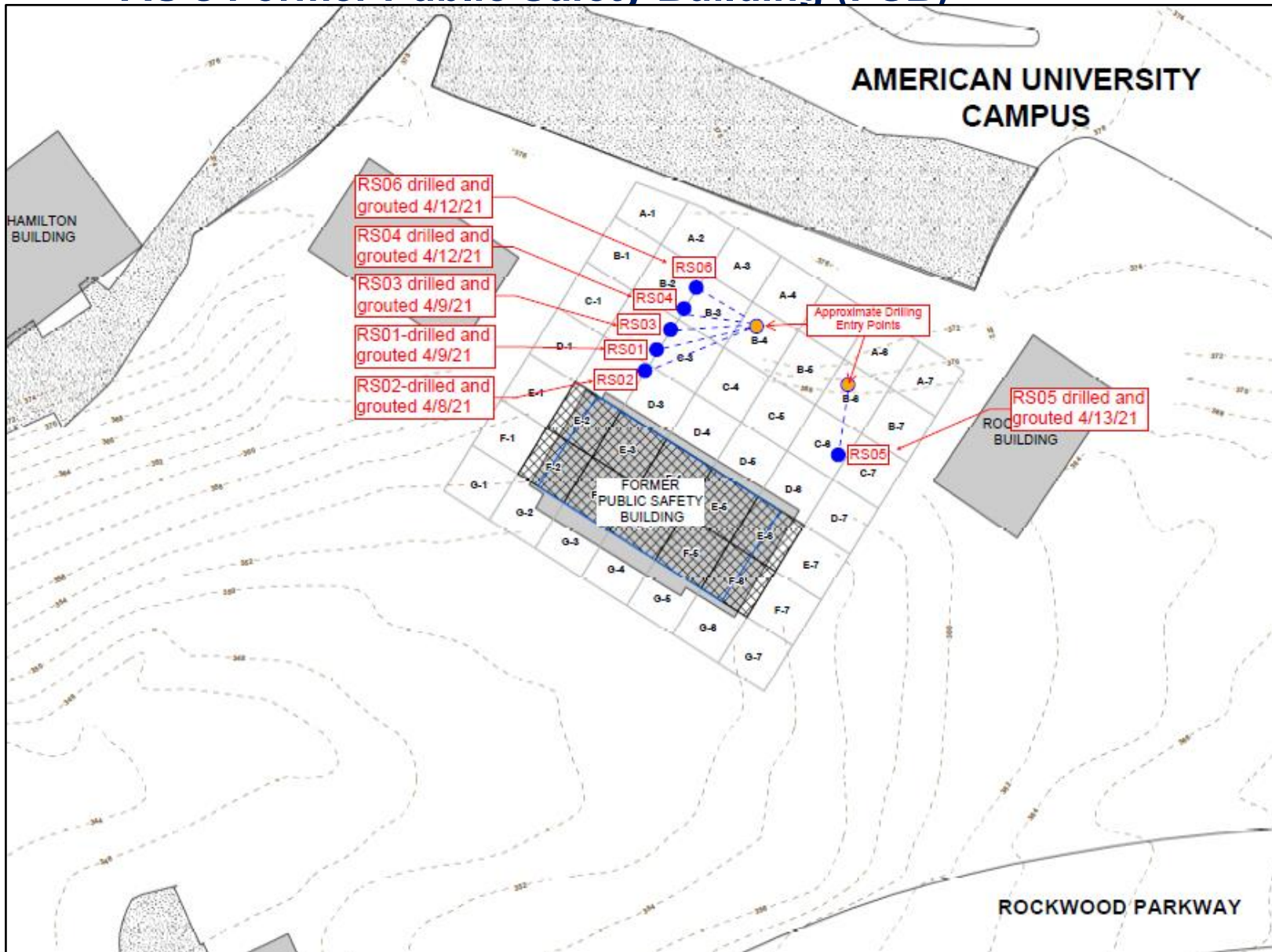


# SITE-WIDE REMEDIAL ACTION

## AU's Former Public Safety Building (PSB)



### Legend



- Roads
- - - Contour Elevation
- Buildings
- ▨ Driveway
- Public Safety Building Foundation Boundary
- Grids (15 x 15 ft)
- ▩ Public Safety Building Foundation Grids
- Public Safety Building Excavation Area Grids

### Proposed Angled Soil Boring

- Drilling Entry Point
- Soil Boring Angled Path
- Soil Boring End Point





# SITE-WIDE REMEDIAL ACTION

## AU's Former Public Safety Building (PSB)

Recovered debris excavated from the slope investigation at the former PSB site



**Batch glass collected from Soil Boring RS03**



**Batch glass collected from Soil Boring RS04**



**Potential sample collected from Soil Boring RS05**



**Potential sample collected from Soil Boring RS06**



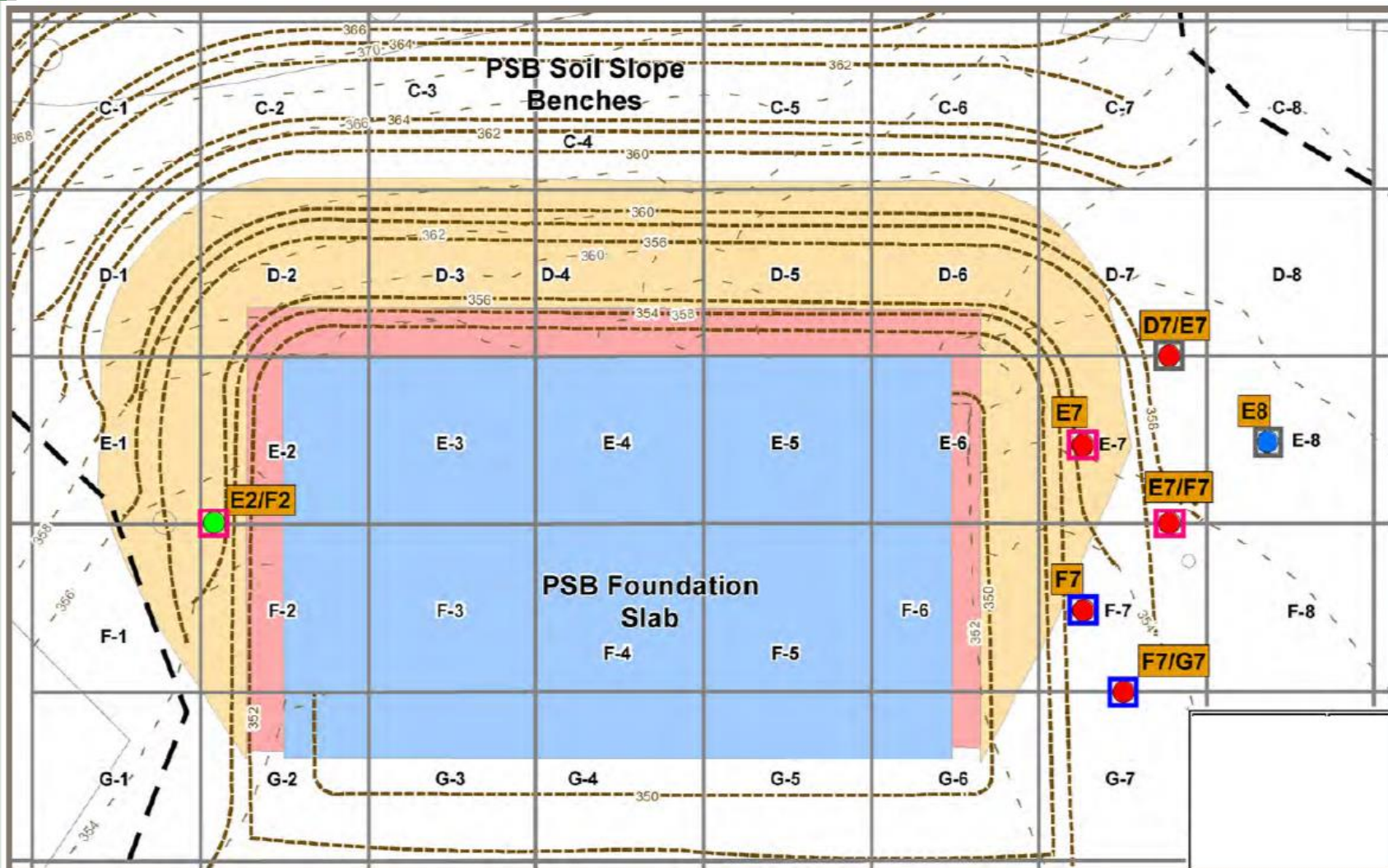
# SITE-WIDE REMEDIAL ACTION

## AU's Former Public Safety Building (PSB)



### Legend

- 1-4 Feet Outside PSB Foundation
- PSB Foundation Slab Jan 2021
- Slope Soil Benches 4 and 5
- Excavation Area Grids (15x15 ft)
- LOD
- Test Pit Locations (5) at 8 and 16 feet from PSB wall
- Provisional Test Pit Location at 24 feet from PSB wall (2 East)
- Provisional Test Pit Location at 8 feet from PSB wall (2 west)
- Test Pit Excavated 1ft BGS
- Test Pit Excavated 2ft BGS
- Test Pit Excavated 3ft BGS
- Test Pit Excavated 4ft BGS
- Test Pit Excavated 5ft BGS
- Test Pit Excavated 6ft BGS
- Test Pit Excavated 7ft BGS
- Test Pit Excavated 8ft BGS
- Test Pit Excavated 9ft BGS
- Test Pit Excavated 10ft BGS





# AU'S FORMER PUBLIC SAFETY BUILDING (PSB)



The Army Corps and Partners are reviewing the investigation report following the completion of all the backfilling operations and investigation of the debris trail into the slope. The team will discuss the results to determine the path forward and develop work plans for the final soil remediation approach at AU's former Public Safety Building.

## ***Next Steps:***

- Develop and finalize work plans
- Award work contract
- Tentative start fall 2021 to complete any remaining work



***Terraced slope above AU's former Public Safety Building***



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## GLENBROOK ROAD PROJECT AREA

USACE Updates





# GLENBROOK ROAD – UTILITY REINSTALLATION



Reinstalling the 3 manholes, sewer and water lines is a complex effort. This includes excavation to prepare the area and install pipes and the manholes underground, and modifying the manholes onsite.





# GLENBROOK ROAD - UTILITY REINSTALLATION



We have received all the needed equipment and materials to complete the utility restoration effort over the next few weeks. A continuous effort has been underway with both our site crew and the utility contractor working together to expedite the effort.





# GLENBROOK ROAD – SOIL COMPACTION EFFORT



The crew focused much of the soil compaction efforts around the utility installation areas, on the east and north sides of the property, over the past 2 months. The backfill effort at the site is currently at 75% complete.



**Site backfill progress from mid- March to first week of May.**





# GLENBROOK ROAD – SOIL COMPACTION EFFORT



Efforts to dry the soil include spreading the soil around to dry, and we continue to place plastic sheeting prior to rain to keep the soil as dry as we can when wet weather is anticipated.



**Spreading backfill around the site to dry.**



**Covering the soil prior to anticipated rain.**





# GLENBROOK ROAD – FEDERAL PROPERTY



All of the remaining solid waste stored at the Federal Property, including the soil transferred from drums into roll-offs, and the empty drums, have been transported offsite to a Subtitle D landfill.



**Soil being transferred into a roll-off, and a waste filled roll-off leaving the Federal Property site for disposal.**



# GLENBROOK ROAD – UPCOMING EFFORTS



**Materials being unloaded in April for the utility reinstallation effort.**

Complete effort to re-install AU water line and the AU sanitary sewer line.

Restore the fences along the 4801 and 4835 Glenbrook Road properties

Restore site to final grade in 6-inch lifts with compaction in accordance with the Work Plan

Submit Draft Final Site-Specific Final Report



# GLENBROOK ROAD

## *Tentative Schedule*



**Spring/  
Summer 2021**

- Crew completes the planned site restoration tasks for the Glenbrook project area, including completing restoration of the water lines, soil compaction at the site to reach the planned elevation levels of soil backfill, and restoring fence lines.
- Complete topsoil layers at the site, before applying grass seed.

**Summer 2021**

- Install and maintain grass and soil erosion controls.
- Anticipated project completion.

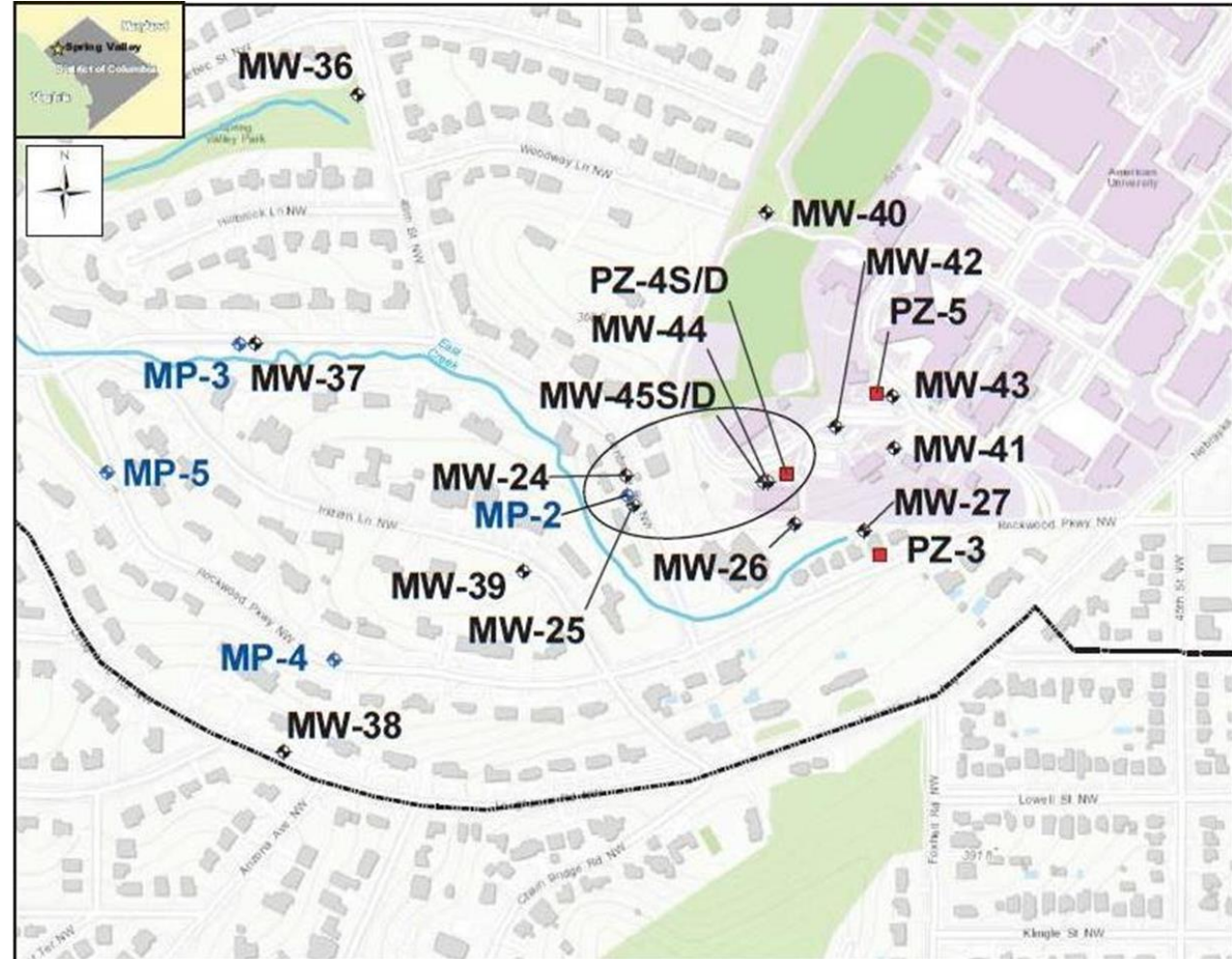


# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## GROUNDWATER STUDY

USACE Updates





# GROUNDWATER STUDY



The groundwater sampling event for perchlorate at wells PZ-4D and MW-44 was conducted by the USACE and the U.S. Geological Survey (USGS) on March 1<sup>st</sup>.

- The purpose of this sampling was to confirm that perchlorate concentrations are steady or decreasing at PZ-4D and MW-44
- The preliminary data for this sampling event has been received—the USGS is currently validating the data. Preliminary perchlorate results:
  - PZ-4D - 27.5 ug/L
  - MW-44 - 16.2 ug/L



*Groundwater sampling well*



# GROUNDWATER STUDY



Historic Kreeger Hall data for perchlorate, July 2006 through March 2021.

	WELL SCREEN (depth below ground surface)	Jul-06	Jun-07	Nov-09	May-11	Jul-11	Aug-11	Nov-11	Feb-12	Apr-12	Sep-12	May-13	Jul-13	Dec-13	Mar-14	Jun-14	Sep-14	Apr-15	Sep-19	Jun-20	Mar-21
PZ-4S	27 - 47 ft	71.8	146	50	30	18	19	25	28	NT	NT	5.57**	ND**	6.75	10.9	8.58	4.16	4.49	2	NT	NT
PZ-4D	52 - 62 ft	34.7	41	41	39	9.8	39	45	39	36	NT	NT**	5.59**	39.8	44.5	16.7	13.8	16.1	32.5	26.2	27.5
MW-44	80 - 95 ft	NP	NP	NP	NP	NP	NP	NP	NP	34	35	40.5	NT	40.2	42.3	49.8	40.1	39.2	15.7	16.0	16.2
MW-45S	119 - 124 ft	NP	NP	NP	NP	NP	NP	NP	NP	NP	6	31.1**	NT	1.28	5.86	5.74	2.55	2.42	1.4	NT	NT
MW-45D	147 - 152 ft	NP	NP	NP	NP	NP	NP	NP	NP	NP	3.6	54.3**	NT	5.3	ND	ND	0.221	ND	0.50	NT	NT

All concentrations reported in micrograms per liter (ug/L)

Yellow highlight indicates detected value exceeds the perchlorate IDWHA level of 15 UG/L

NT - Not Tested

ND - Non Detect (analyte was not detected in the sample)

NP - Not Present (well not installed as of that date)

\*\*Samples from wells in front of Kreeger Hall are suspected to have been switched during the May 2013 and July 2013 sampling events. PZ-4S/4D results may actually represent MW45S/45D results (and vice versa). PZ-4D was scheduled to be sampled in May 2013, but no sample was collected.



# GROUNDWATER STUDY



## ***Next Steps:***

- Perchlorate concentrations at PZ-4D and MW-44 are consistent with past results, no further action is expected to be required for Perchlorate:
  - Perchlorate concentrations above 15 ppb are limited to one isolated location (Kreeger Hall), and one point does not constitute a plume
  - Overall Perchlorate concentration trends have been decreasing
- Since previous Arsenic results were below the 10 ppb MCL for two consecutive sampling events, no further action is expected to be required for Arsenic.
- Complete Addendum to Remedial Investigation Report summarizing the most recent sampling results, followed by No Action Proposed Plan and Decision Document.



# RAB - TASK GROUP UPDATES ...CONT.



## Preparation to close out the RAB

Ideas on how the RAB would like to close out their work in conjunction with the conclusion of Army Corps' Remedial Action efforts in Spring Valley:

- Close out document
- Record in the meeting minutes





# SPRING VALLEY RESTORATION ADVISORY BOARD



## Reminders:

The next RAB meeting will tentatively be held virtually on **Tuesday, July 13<sup>th</sup>, 2021** through WebEx video conferencing services.

## Upcoming Agenda Items:

- *Suggestions? Please contact the Outreach Team!*

