

# SPRING VALLEY FORMERLY USED DEFENSE SITE

Restoration Advisory Board Meeting  
JANUARY 2021



US Army Corps  
of Engineers®



# AGENDA REVIEW

## Co-Chair Updates

- Website Updates

## Task Group Updates

- TAPP Advisor Orientation
- New Membership Chair

## USACE Updates

- Site-Wide Remedial Action
- Glenbrook Road
- Groundwater

## Future RAB Agenda Development

- March 9<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:

- November and December Monthly Site-Wide Project Updates
- Weekly 4825 Glenbrook Rd Project Updates with photos
- October and December Partner meetings were not held, but project update presentations were posted in lieu of meeting minutes



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## TASK GROUP UPDATES





# TASK GROUP UPDATES



## The RAB Technical Assistance for Public Participation (TAPP) Advisor and New Membership Chair.

- USACE and ERT held a site visit with Dr. Chattopadhyay in December. They visited the Fed Property, Glenbrook Road project area, AU's former Public Safety Building debris removal site, and observed the geophysical survey and intrusive investigations fieldwork at some of the 92 properties.
- Malcom Pritzker recently stepped down from the RAB, leaving the position of membership chair open on 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.*

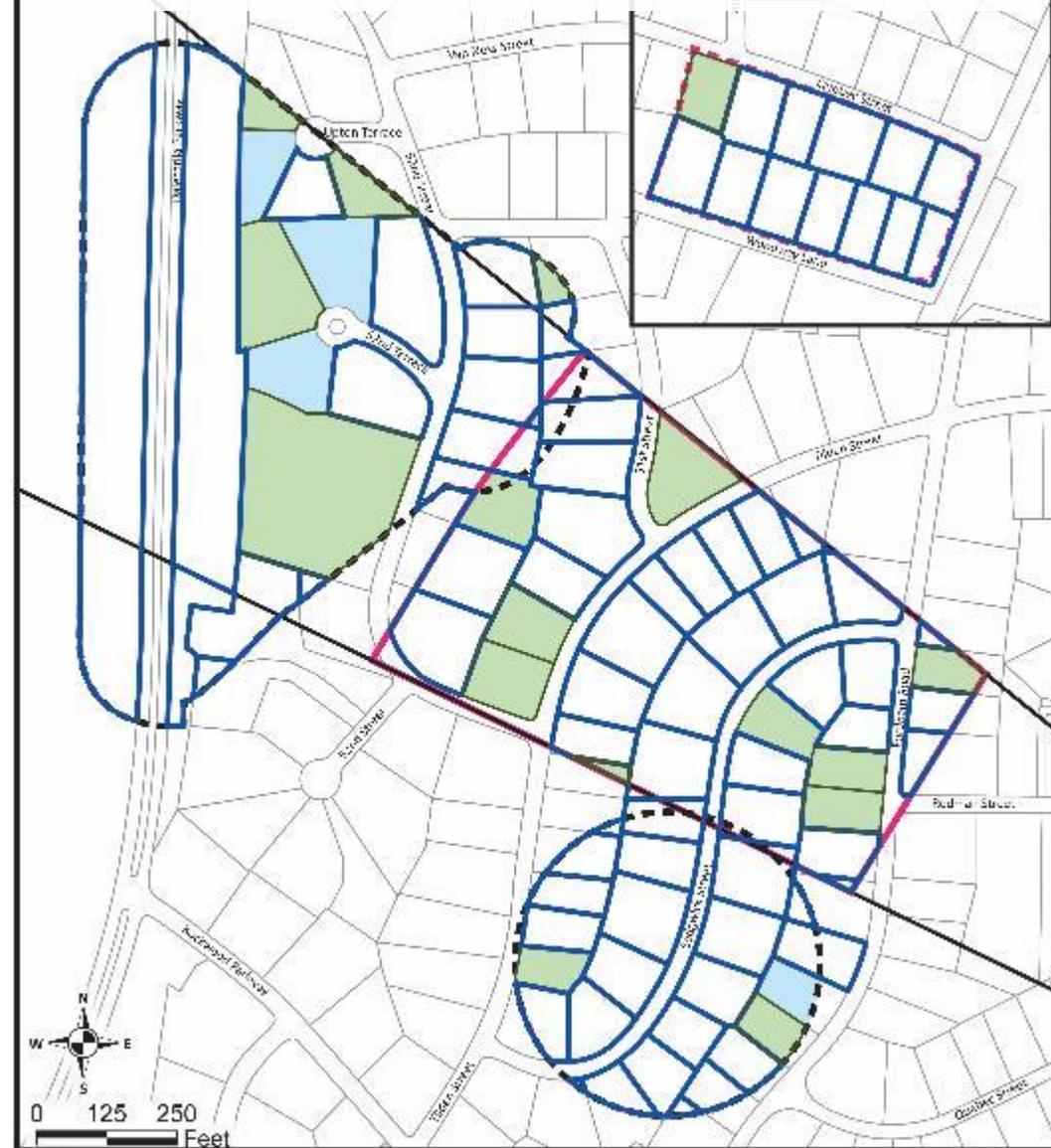


# SITE-WIDE REMEDIAL ACTION

## 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 80 private properties and 13 City/Fed lots off Dalecarlia Parkway.
- Anomaly removal completed at 75 private properties and 13 City/Fed lots off Dalecarlia Parkway.
- Issued 43 Assurance Letters.

## Planned Remedial Action Area



- Future Remedial Action
- Remedial Action work in progress
- No Further Action Required



# SITE-WIDE REMEDIAL ACTION



## Hardscape Digs during intrusive investigations

Hardscapes including patios, sidewalks, and driveways are all surveyed during geophysical surveys. If an anomaly is detected under hardscape, a section is removed, the dig team removes the anomaly, and the hardscape is repaired.



***Breaking up a concrete driveway apron to complete the investigation and removal of an anomaly under a driveway.***



***Crews pouring concrete to restore the driveway apron during site restoration.***



# SITE-WIDE REMEDIAL ACTION

## Anomaly Excavation Finds

*During the most recent round of intrusive investigations in December, the team encountered and removed a fragment of a livens projectile with an empty burster tube on Tilden Street.*

- The item was removed from the property and a head space analysis was performed. There were no chemical agents detected in that analysis.



**Recovered Livens fragment**

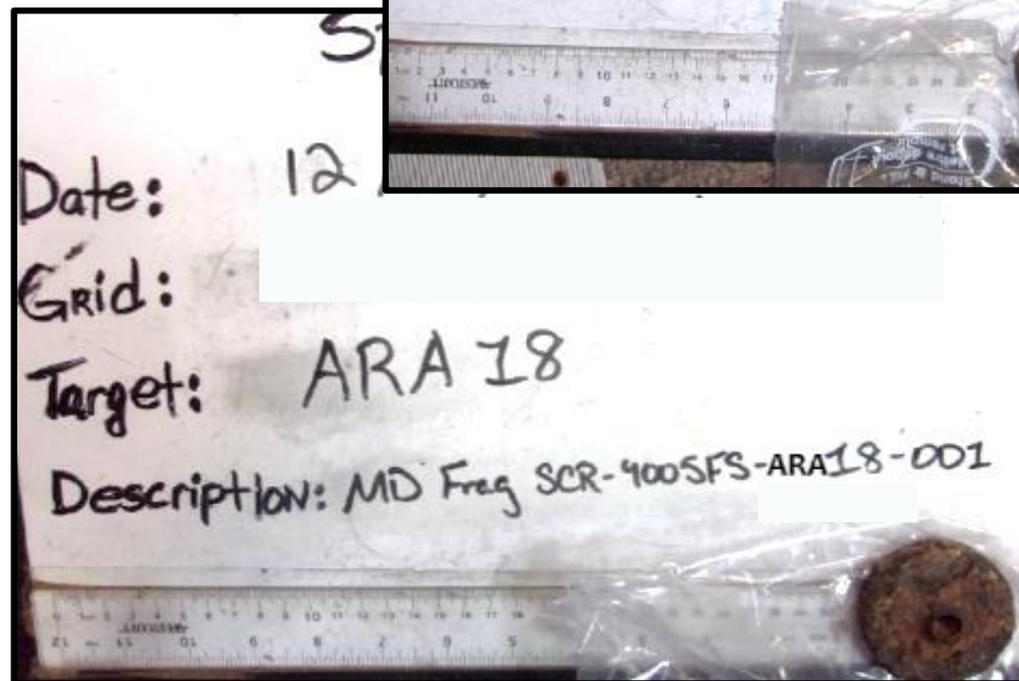
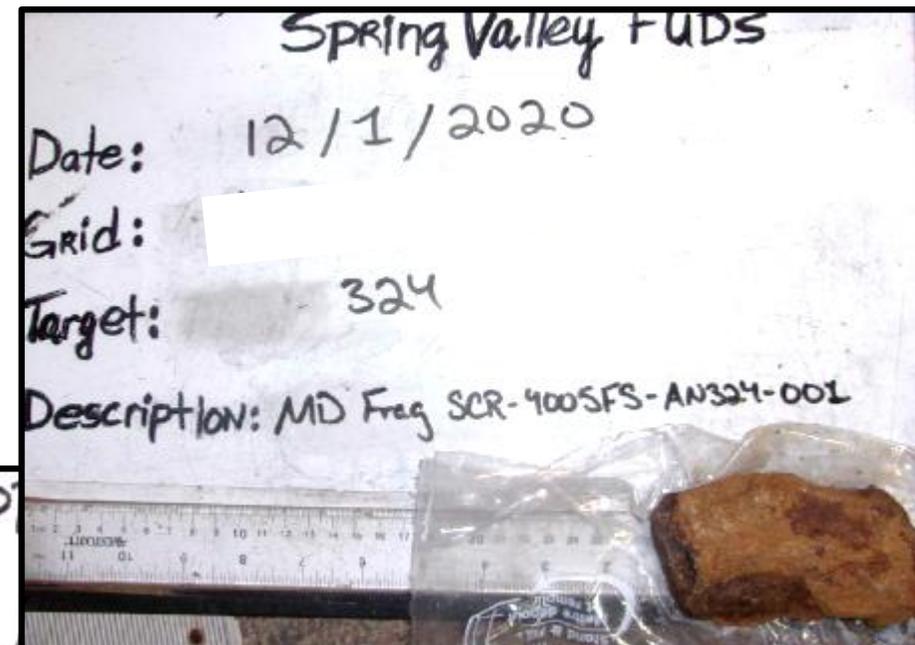
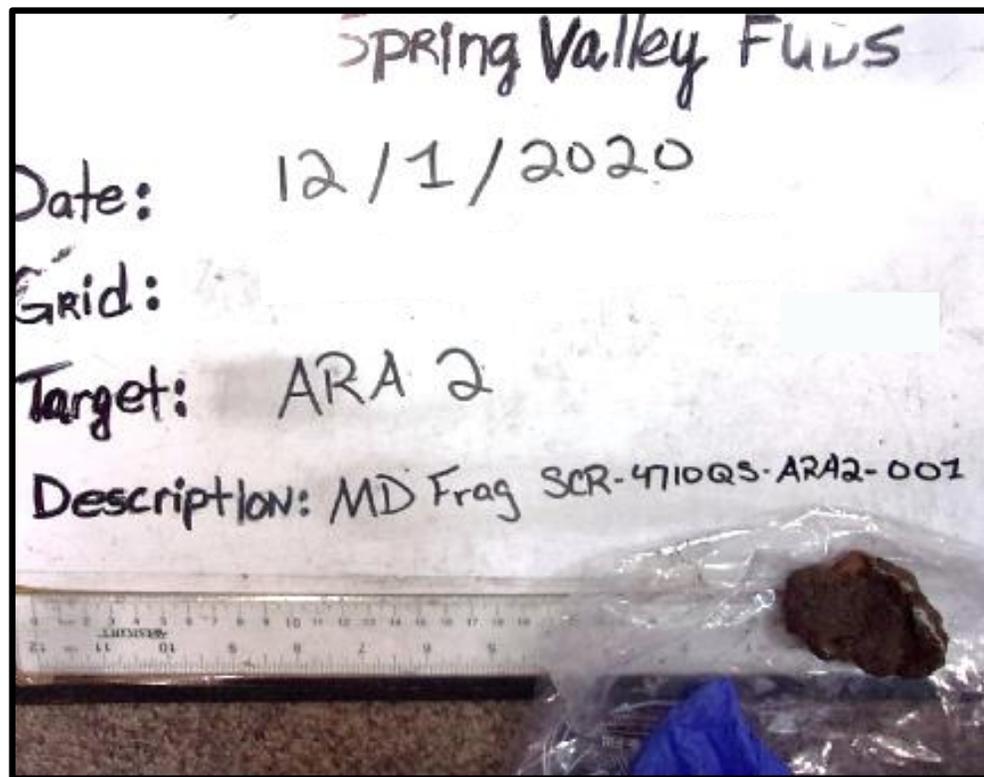




# SITE-WIDE REMEDIAL ACTION

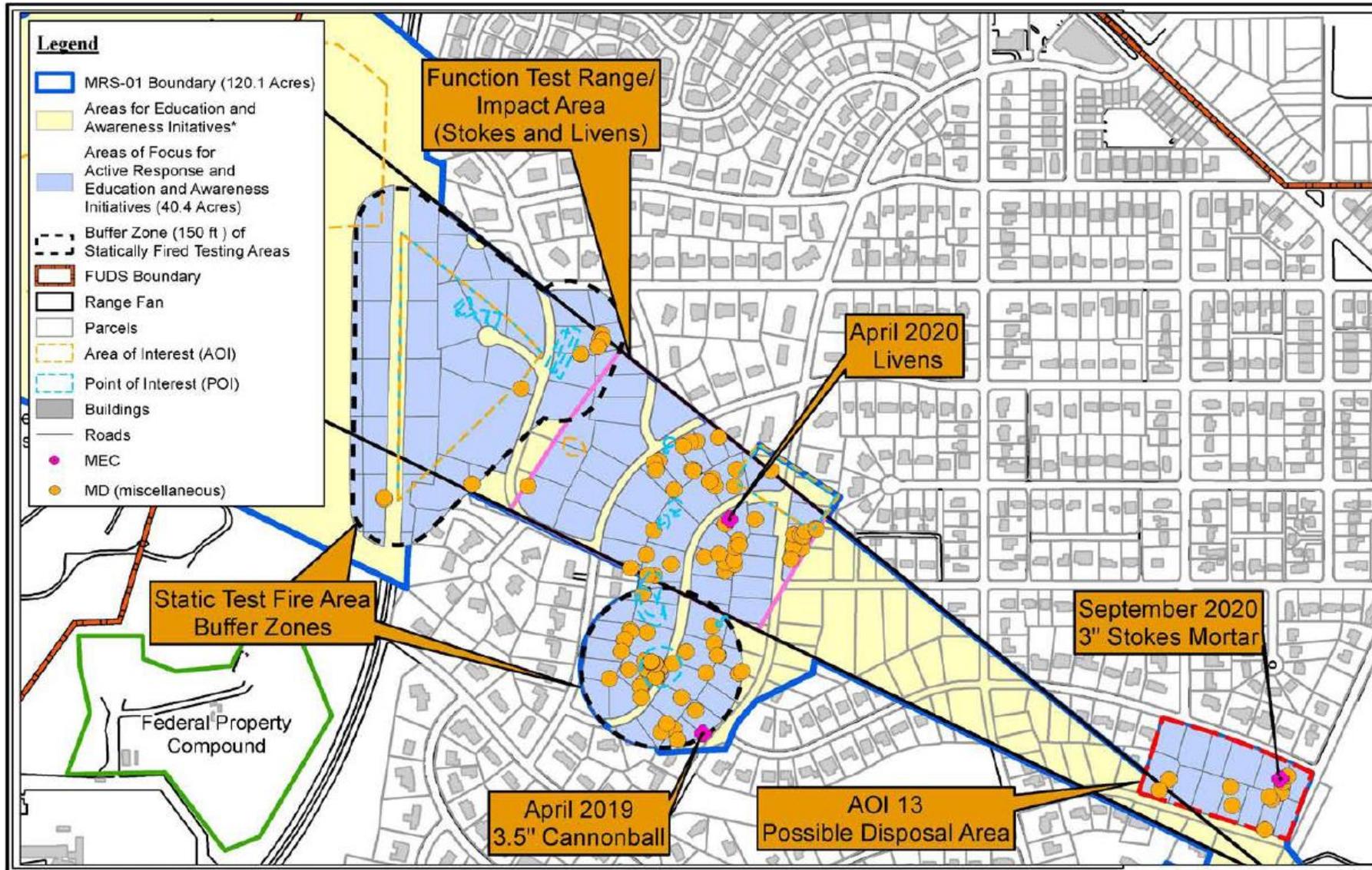
## Anomaly Excavation Finds

*Other munitions debris and excavation finds*





# SITE-WIDE REMEDIAL ACTION RA MEC/MD Finds





# SITE-WIDE REMEDIAL ACTION

## *Tentative Schedule*



<b>Winter 2021</b>	<ul style="list-style-type: none"><li>• Continue geophysical surveys.</li><li>• Continue anomaly removal efforts.</li><li>• Continue obtaining Rights-of-Entry from the next group of homeowners.</li></ul>
<b>Spring 2021</b>	<ul style="list-style-type: none"><li>• Finalize plant removal plans with the last groups of homeowners and conduct plant removal at private properties in preparation for geophysical surveys.</li><li>• Begin subsequent round of geophysical surveys.</li><li>• Complete subsequent round of anomaly removal efforts.</li></ul>



# 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)



- The team continued excavation efforts to the final boundaries in each grid cell of the PSB excavation area. The team continues to encounter small amounts of lab-grade glassware, as the excavated material is transferred to the sorting table, processed, and transferred off-site for analysis and disposal.
- A terra cotta drainage pipe was encountered during excavation efforts and was connected to a High-Density Polyurethane (HDPE) pipe previously installed by Parsons. A section of the terra cotta pipe was removed and the excavation down to the final 8-foot depth completed in grid cell F3. The replacement of the terra cotta pipe with HDPE pipe is planned for the remaining section in grid cell E3.



***Terra cotta pipe removed from Grid Cell F3***



# SITE-WIDE REMEDIAL ACTION

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

Recovered debris excavated at the former PSB site



**Batch glass collected at 5-6 feet Grid Cell F-3**



**Batch glass collected at 4-5 feet Grid Cell F-3**

**Batch glass collected at 6-7 feet Grid Cell F-3**



**Batch glass collected at 3-4 feet Grid Cell F-3**



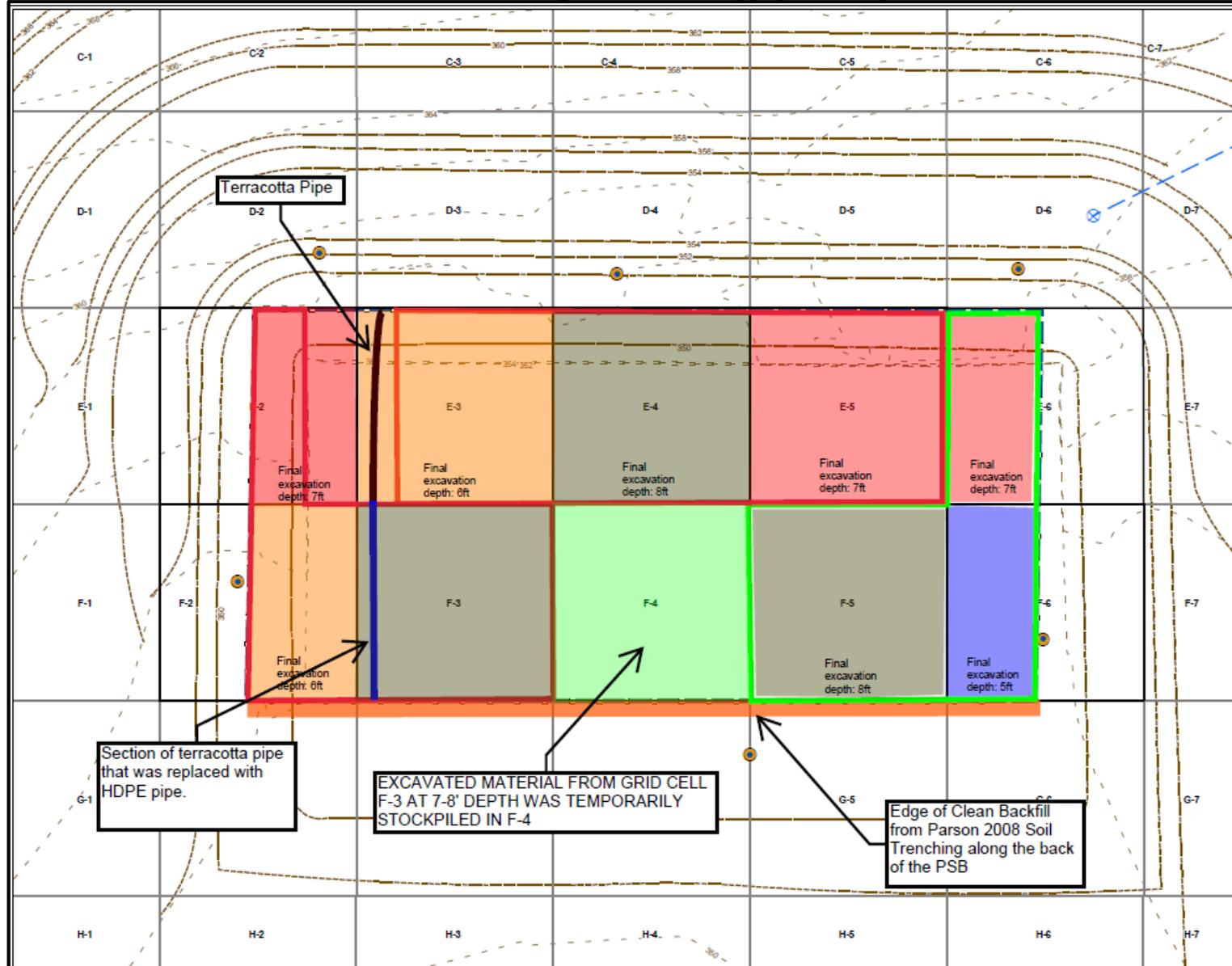
# SITE-WIDE REMEDIAL ACTION

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



### Legend

- Public Safety Building Foundation Boundary
- Grids (15 x 15 ft)
- Public Safety Building Foundation Grids
- Public Safety Building Excavation Area Grids
- Contour Elevation (2ft interval)
- Abandoned Storm Drain Pipe
- Abandoned Storm Drain Pipe Location
- Sump Locations
- Backfill operations within grid cell in process.
- Area backfilled up to 3ft below former PSB slab elevation.
- Area that has been excavated down to 4ft below ground surface.
- Area that has been excavated down to 5ft below ground surface.
- Area that has been excavated down to 6ft below ground surface.
- Area that has been excavated down to 7ft below ground surface.
- Area that has been excavated down to 8ft below ground surface.
- Area previously excavated before March 27th COVID-19 shutdown. Depth is 3-4ft below ground surface.

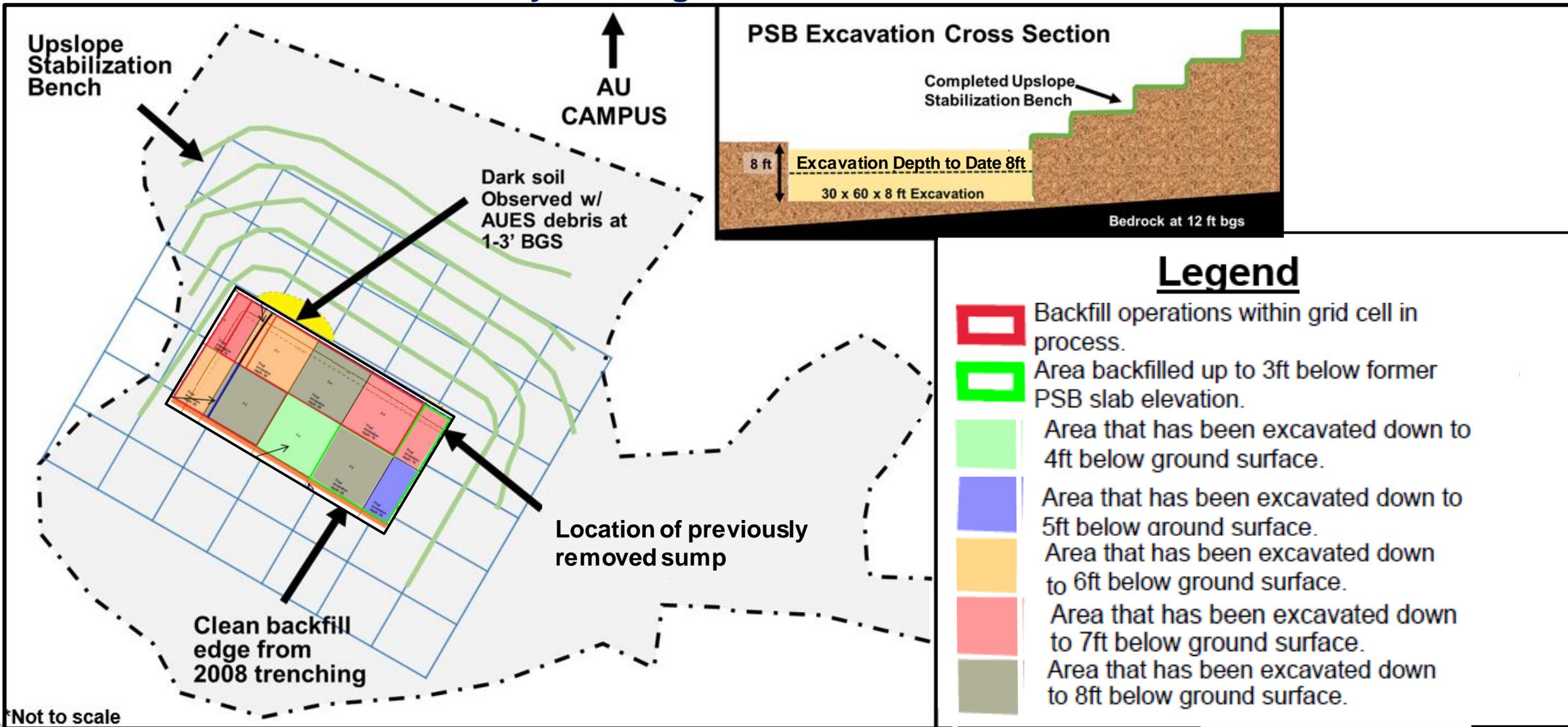




# SITE-WIDE REMEDIAL ACTION



## AU's Former Public Safety Building



Not to scale



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## GLENBROOK ROAD PROJECT AREA

USACE Updates





# GLENBROOK ROAD



In mid-November, the team built a concrete pad and re-established the exterior air conditioning units servicing 4835 Glenbrook Road.





# GLENBROOK ROAD – ADDITIONAL BACKFILL



The backfill source sampled in late October was found to contain concentrations of elevated metals, and therefore was not acceptable.

On November 11<sup>th</sup>, the USACE contractor located and sampled a new source in northern Virginia. This sample analysis was good and the backfill source was approved by the USACE and the Partners (USEPA and DDOE) on November 30<sup>th</sup>.



**Soil sample was taken from the new backfill source in northern Virginia**



# GLENBROOK ROAD – ADDITIONAL BACKFILL



Backfill being brought to the Federal property and stored at staging area.

Once the soil was approved, transport of the new backfill from the northern Virginia site to either the Federal Property for staging or to 4825 Glenbrook Road site for placement was a daily focus in December and included working on Saturdays when weather allowed. Although there were some winter weather delays in December, the team utilized the expanded soil staging area at the Federal Property, transporting over 400 truck loads in December, obtaining all the backfill needed for site completion.



# GLENBROOK ROAD – SITE RESTORATION

As of this week, the backfill and soil compaction operations are 43% complete.





# GLENBROOK ROAD – FINAL DISPOSAL OF DEBRIS



Loads of scrap metal/ munition debris was loaded and transported for disposal.

The team shipped off a load of munitions debris scrap to the smelter on November 18<sup>th</sup>.

The team discussed options on how to potentially treat and transport the remaining munition related waste stored at the site, including 12 intact munitions debris items.



# GLENBROOK ROAD – FINAL DISPOSAL OF DEBRIS



**75mm intact munitions debris item.**

- The small amount of munitions debris, which has been in storage at the Federal Property, needs to be cut up before it can be transported for disposal.
- The team will use a remotely operated saw to cut them in half. This will take place inside an Engineering Control Structure (ECS) at the Federal Property. This is scheduled to take place during the last week of January.



# SITE-WIDE REMEDIAL ACTION

## Munition Debris Items Disposal

Our Explosive Ordnance Disposal (EOD) safety experts have determined that the items are empty, and there are no explosives present. The team will use a remotely operated saw to cut the items in half. The items will then soak in a bleach solution, be rinsed and allowed to dry, then undergo a headspace analysis and be sent for recycling.



***X-rayed 75mm with no fill inside***



# SITE-WIDE REMEDIAL ACTION

## Munition Debris Items Disposal



- The cutting operation will take place in a filtered Engineering Control Structure (ECS) with near real-time air monitoring (MiniCAMS). The team has all safety distances needed at the Fed Property for this operation, but will use an ECS out of an abundance of caution.
- The operation will take place in the Interim Holding Facility (IHF) compound so no map or diagram can be shared as we don't publicize the exact location of the IHF.



*A remotely operated saw*



# GLENBROOK ROAD – UPCOMING EFFORTS



**AU contractor repairing sewage line related to Kreeger Hall, in November.**

Bring site to grade for AU water and sewer installation, including:

- Re-install AU water line
- Re-install 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*



<p><b>Winter/Spring 2021</b></p>	<ul style="list-style-type: none"><li>• Continue the planned final site restoration tasks for the Glenbrook project area. This includes restoring utilities along the shared property lines, and restoring landscaping in the easement areas.</li><li>• Carry out munitions debris cutting operation.</li><li>• Complete the planned elevation levels of soil backfill and compaction at the site.</li></ul>
<p><b>Summer 2021</b></p>	<ul style="list-style-type: none"><li>• Anticipated project completion.</li></ul>

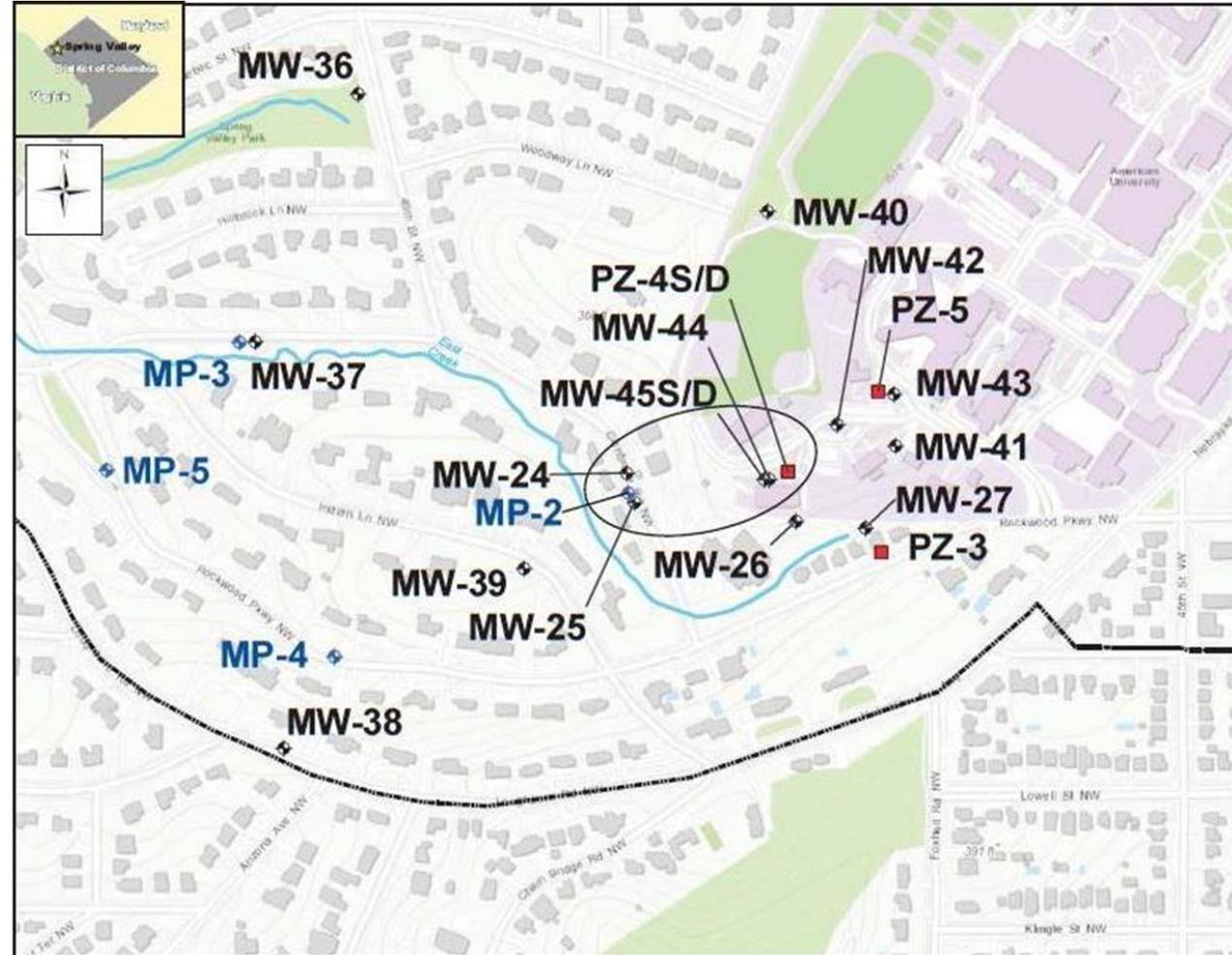


# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD



## GROUNDWATER STUDY

USACE Updates

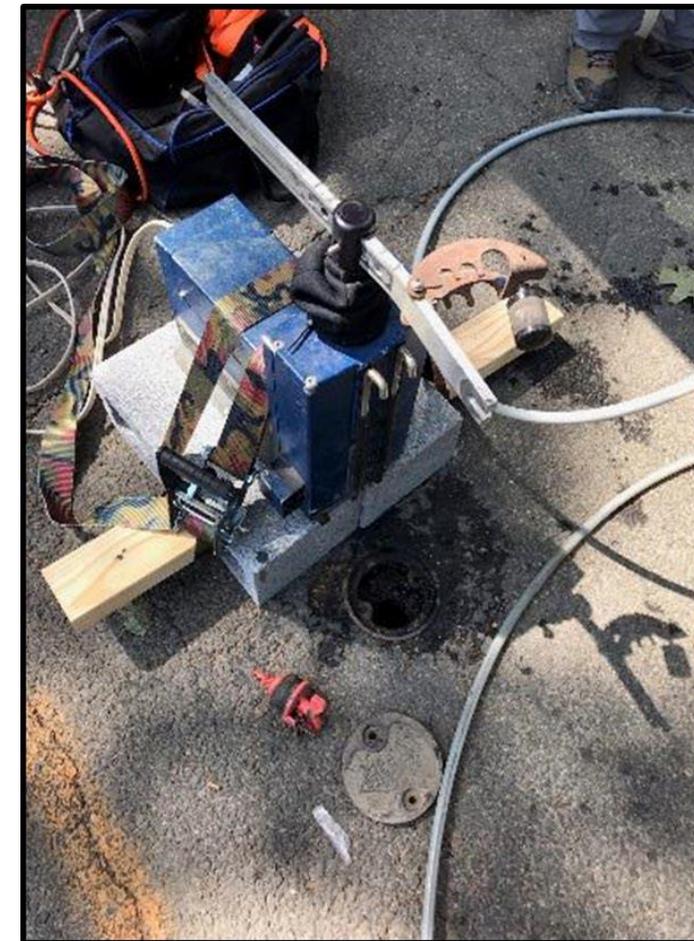




# GROUNDWATER STUDY



- The Army Corps plans to conduct one more round of groundwater sampling in the Spring at Kreeger Hall where Perchlorate concentrations were above 15 ppb. Sampling will only be done for Perchlorate to confirm if concentrations are steady or decreasing at that location.
- Further details and sampling dates will be confirmed closer to the Spring.
- As a reminder, Arsenic results were below the 10 ppb MCL for two consecutive sampling events and no further action is required for Arsenic.



***Groundwater sampling well***



# SPRING VALLEY RESTORATION ADVISORY BOARD



**All field work is planned to be completed by the end of 2021!**

This means all remedial action work in Spring Valley will be successfully wrapped up by the end of this year if everything goes according to plan.

**With this important milestone approaching, it signals that the end of USACE presence in the community is approaching. During 2021, RAB members should begin to think about the future of the RAB.**





# SPRING VALLEY RESTORATION ADVISORY BOARD



## Reminders:

The next RAB meeting will tentatively be held virtually on **Tuesday, March 9<sup>th</sup>, 2021** through WebEx video conferencing services.

## Upcoming Agenda Items:

- *Suggestions? Please contact the Outreach Team!*

