



# SPRING VALLEY FORMERLY USED DEFENSE SITE

RAB Meeting Presentation  
October 2023



US Army Corps  
of Engineers®



# AGENDA REVIEW

## Co-Chair Updates

- Website Updates

## Task Group Updates

## USACE Updates

- Financial Update
- Public Safety Building Fieldwork Update
- Groundwater
- Final RAB Meeting





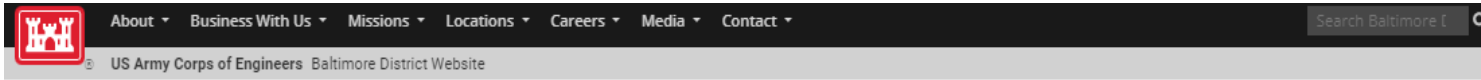
# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

## CO-CHAIR UPDATES





# CO-CHAIR UPDATES



Home / Spring Valley

### Announcements

#### October 2023 RAB Meeting

The October 2023 RAB meeting is set for Tuesday, October 10, at 7:00 p.m. at American University's Don Myers Building, 3501 Nebraska Ave, Washington, DC, 20016. The RAB presentation that will be shown during the October 10 meeting will be made available the day of the meeting on this site.

**Parking/Metro Information:** The entrance to East Campus is between New Mexico Ave and Massachusetts Ave. Attendees should park in the surface parking lot and proceed to the door on the left SIDE (not front) of the building. Parking is free.

The nearest metro stop is Tenley/AU. Attendees are welcome to use the free AU shuttle, disembark at the "Kerwin Building" stop.

### Spring Valley Formerly Used Defense Site - Notification of Five-Year Review

This Public Notice is to inform the community of the U.S. Army Corps of Engineers' (USACE) intent to conduct the 2023 Five-Year Review (FYR) for the Spring Valley Formerly Used Defense Site (SVFUDS), located in the northwest section of Washington, D.C. Specifically, the FYR will evaluate the Munitions Response Sites (MRS) Burial Pits/Field Test Areas. The American University (AU) campus comprises a portion of the MRS along with the Dalecarlia Woods area located on the western edge of the SVFUDS, which is zoned for Federal or public use. It should be noted that the property located at [4825 Glenbrook Road](#), as well as the surface water and groundwater at that site, are not a part of this FYR.

The purpose of the FYR is to determine if the remedy selected in the [Decision Document \(DD\)](#) for the above listed MRS is, and will continue to be, protective of human health and the environment. The Army is required to evaluate the protectiveness of these remedies at least every five years in order to ensure selected remedies continue to meet acceptance standards for hazardous substances, pollutants or contaminants remaining in the soil.

**Work Previously Completed:** The [Remedial Investigation \(RI\) Report](#), prepared by USACE in 2015, determined that unacceptable risks posed by soil contamination and unacceptable explosive hazards posed by military munitions that may, upon recovery and evaluation by qualified personnel, be determined to be Munitions and Explosives of Concern (MEC), specifically unexploded ordnance (UXO) and discarded military munitions (DMM), potentially remain within the SVFUDS. Because of this potential risk, the DD, signed 15 June 2017, called for the Excavation and Off-site Disposal of contaminated soil to address unacceptable risk, which was completed in



## Website Updates:

- April RAB meeting presentation and minutes posted
- No Partner updates since last meeting
- Best way to get project updates in the future



# CO-CHAIR UPDATES



## Contractor/Support Updates:

- Weston Solutions recently began field efforts at the former Public Safety Building site, mobilization occurred following the Labor Day weekend
- New security contractor hired to a three-year contract, Chenega Naswik International (CNI)
- Ames 1, facility maintenance contractor for Fed Property, hired for another year of service (FY 2024)

# USACE ANNUAL PROJECT FUNDING UPDATE

USACE Updates



# SPRING VALLEY FUDS FUNDING SUMMARY

## FY23, Actual Funding (\$ 8.071M)

- **Military Munitions Response Program (\$ 8.003M)**
  - Site-Wide Remedial Action/Former PSB (\$ 7.981M)
  - Stakeholder Outreach
  - Site Security
  - PRP Effort
- **Hazardous Toxic Waste (\$ 0.066M)**
  - Groundwater RI/FS/PP/DD (\$ 0.066M)
- **Restoration Advisory Board (\$ 0.002M)**
  - RAB Cost (\$ 0.002M)



# SPRING VALLEY FUDS FUNDING SUMMARY

## FY24, Projected Funding (\$ 3.488M)

- **Military Munitions Response Program (\$ 3.408M)**
  - Site-Wide Remedial Action/Former PSB (\$ 3.391M)
  - Stakeholder Outreach
  - Site Security
  - PRP Effort
  
- **Hazardous Toxic Waste (\$ 0.060M)**
  - Groundwater RI/FS/PP/DD (\$ 0.060M)
  
- **Restoration Advisory Board (RAB) (\$ 0.020M)**
  - RAB Cost (\$ 0.020M)





# SPRING VALLEY FUDS FUNDING SUMMARY

FY	1993	1994	1995	1996	1997	1998	1999	2000
\$\$ in M	11.859	8.861	1.744	0.087	0.292	1.164	8.874	10.892

FY	2001	2002	2003	2004	2005	2006	2007	2008 <sub>a</sub>
\$\$ in M	9.824	19.819	11.000	11.471	20.362	11.063	13.843	20.871

FY	2009	2010	2011	2012	2013	2014	2015	2016
\$\$ in M	15.700	19.345	17.220	6.501	9.210	33.280	3.561	7.497

FY	2017	2018	2019	2020	2021	2022	2023	2024 <sub>b</sub>
\$\$ in M	13.900	25.228	11.054	10.168	3.566	3.652	8.071	3.488

**Spent through FY 2023: \$ 349.979 M**

**a** = FY08 includes \$3.2 M Congressional additional funding  
**b** = Planned funding for FY 24



# SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

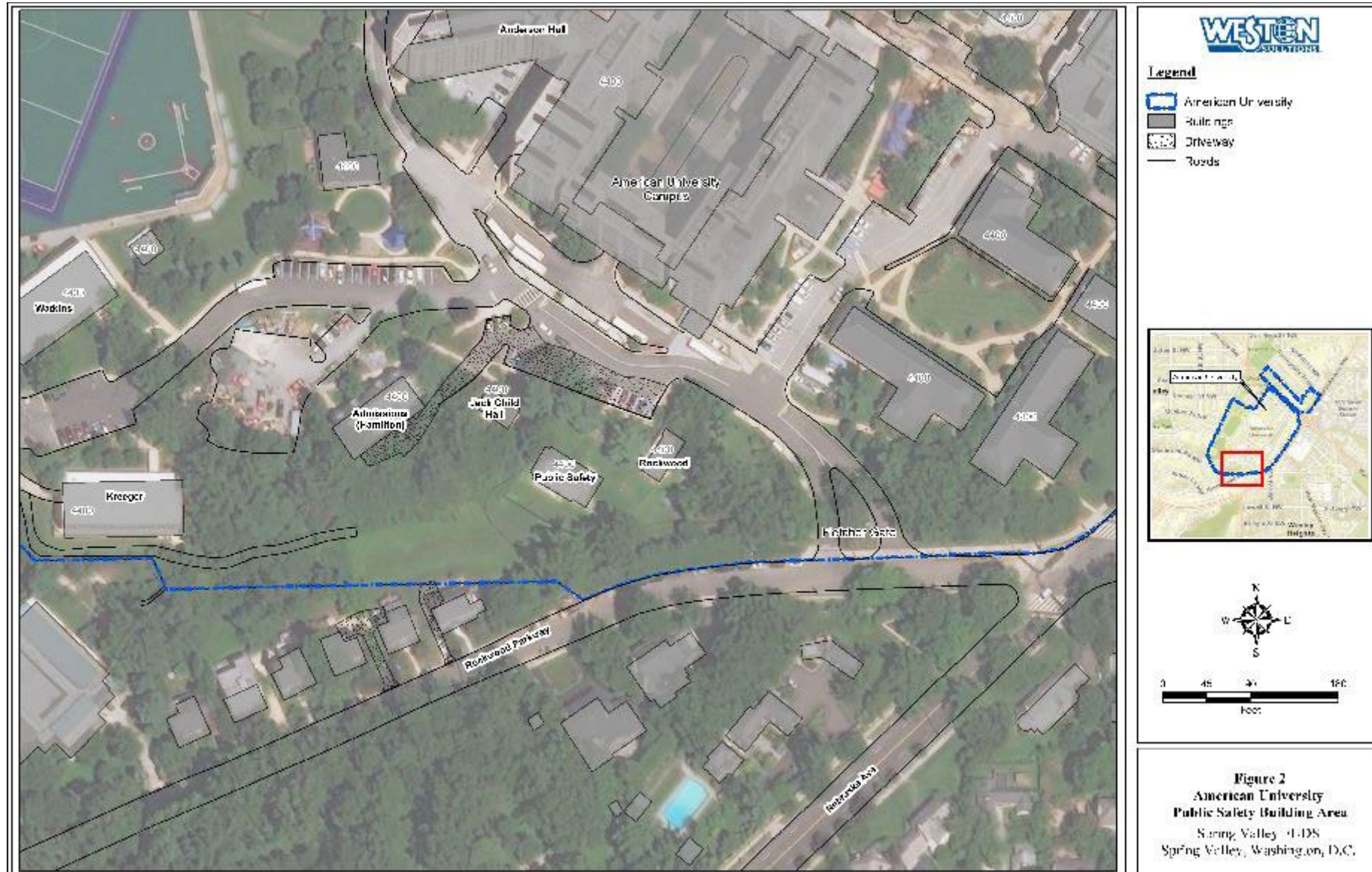


## SITE-WIDE REMEDIAL ACTION (RA)

Public Safety Building (PSB) - USACE Updates



# Public Safety Building aerial view – 2017



# Public Safety Building (PSB) update

- Under contract with USACE, Weston Solutions, Inc. (Weston) completed remediation under the former PSB foundation on 21 January 2021 and backfilling on 23 March 2021.
- **During foundation excavation, a layer of dark American University Experiment Station (AUES) debris was observed in the slope north, east and west of the PSB foundation.**
- **USACE contracted with Weston to investigate the AUES debris extent. Weston completed Rotosonic drilling & test pit investigations on 12 April 2021** to define the extent of the AUES debris layer on the PSB Hillside.
- In 2022, USACE sent out a scope of work for a competitive bid under the MAMMS III contract and Weston was selected to continue the remediation work at the PSB. The new remediation work was awarded in March 2023.
- The required remediation design, safety plan and UFP-QAPP work plan were developed, reviewed, and approved by USACE and the SV Partners between March and August 2023.
- **The Weston Team mobilized to the PSB site at American University the week of September 4, 2023. The Team is currently in the Site Preparation Phase.**

# Former Public Safety Building foundation - 2018



# PSB – after foundation remediation - 2021



# AUES Debris layer & example items - 2020

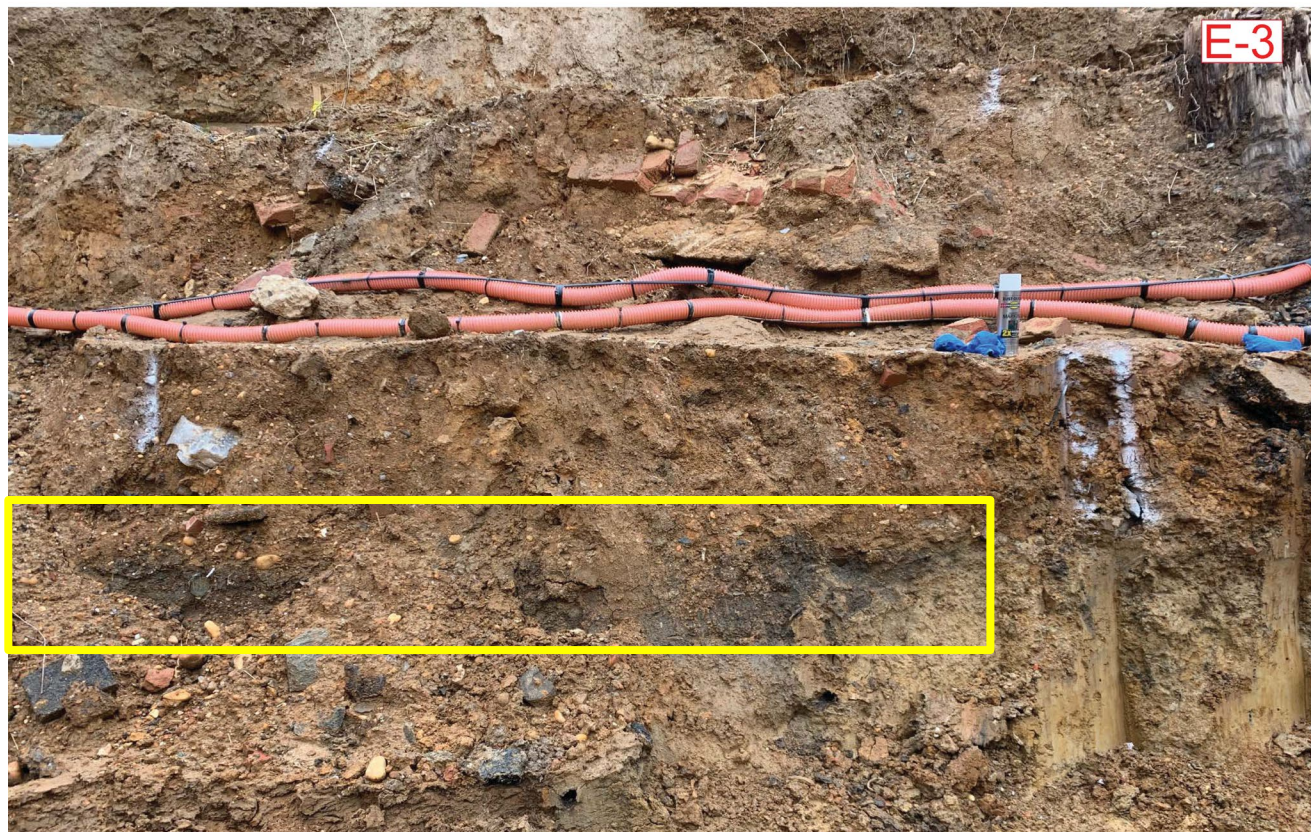
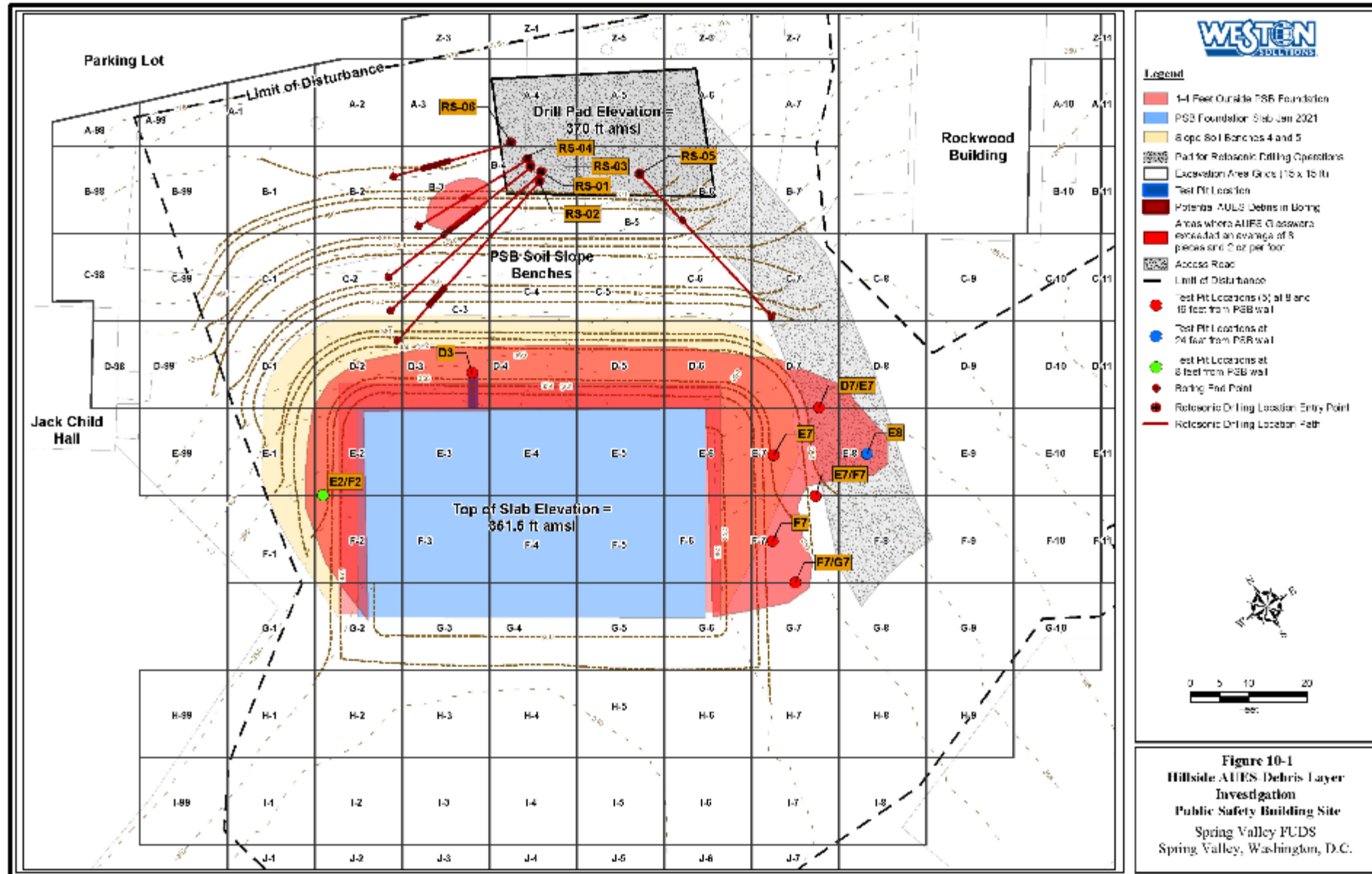


Photo of North Wall of PSB Foundation Excavation with yellow box showing Black AUES Debris layer about 1 foot below the former PSB basement slab elevation. During the PSB Foundation excavation, AUES Debris was observed extending beyond the excavation wall.

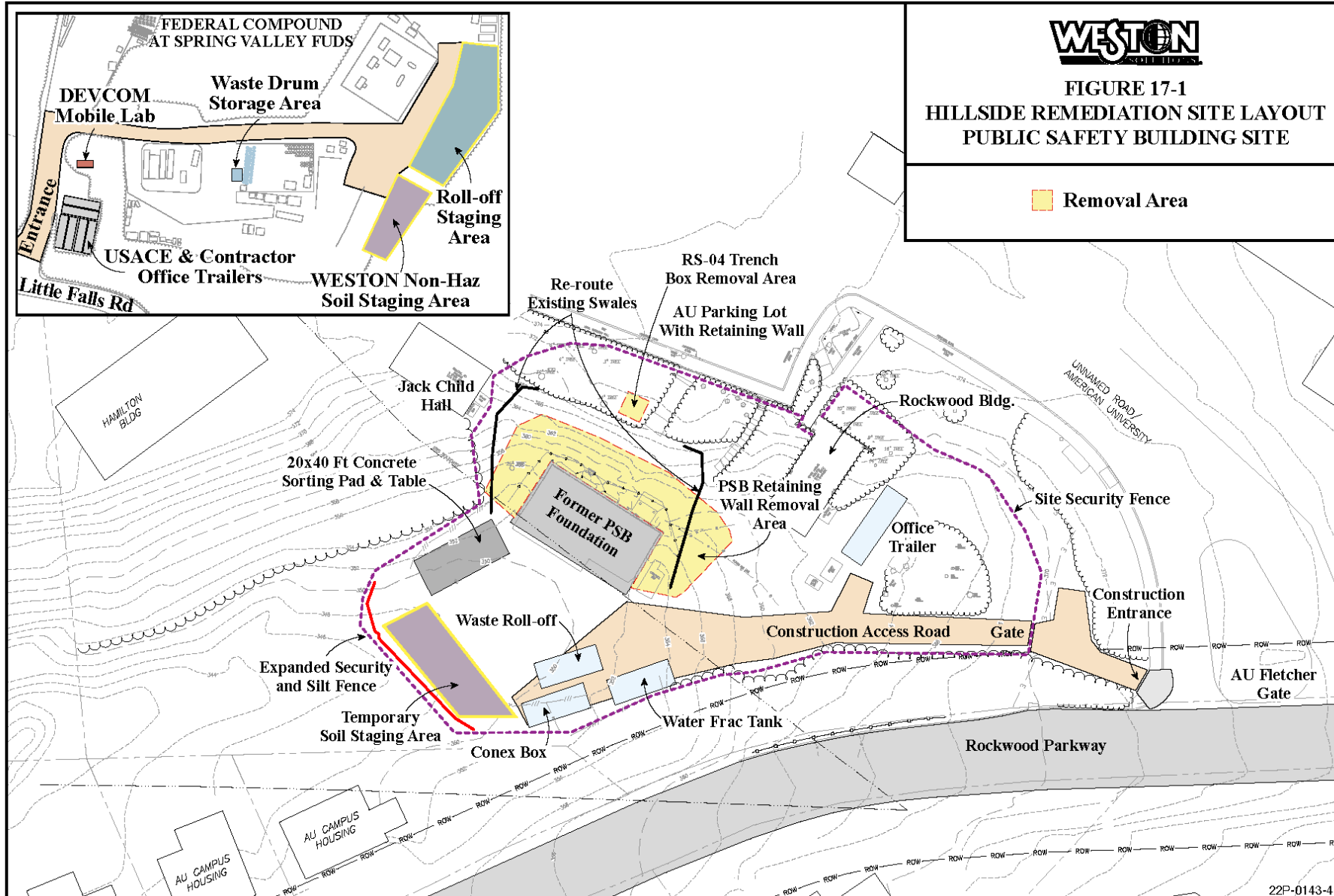
Examples of AUES Debris recovered: broken glass, glass jars, test tubes, ceramics, and metal pieces. No Chemical Warfare Agent was detected.

# PSB Hillside Test Pit & Rotasonic Investigation





# Public Safety building – 2023 Site layout

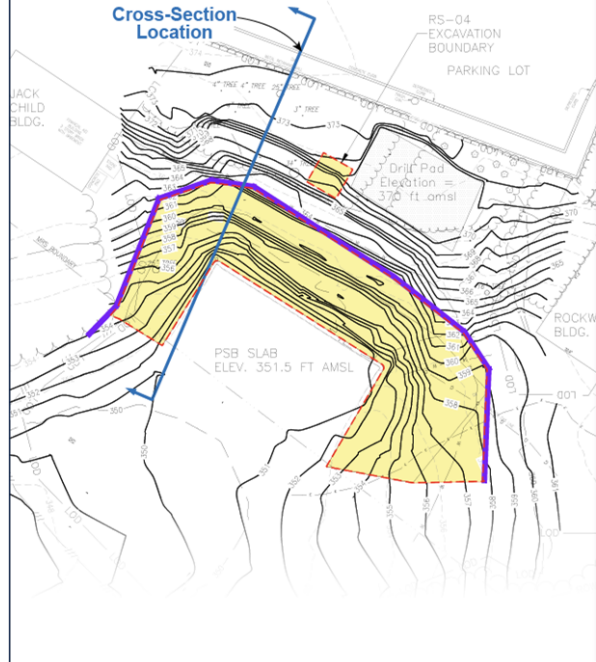


# PSB hillside remediation plan

- The objective of the PSB Hillside Remediation is to assess, remove, and dispose of the munitions and AUES-related debris layer under the hillside, with an emphasis on sealed containers and soil contaminated with chemical warfare agents (CWAs), agent breakdown products or contaminants above the Spring Valley screening criteria or Hazard Index.
- To reach the AUES debris layer under the hillside, Weston proposes installation of an active retaining wall system while excavating “clean overburden soil” down to the debris layer.
- Weston proposes utilization of a 20 by 40-ft concrete pad with non-metallic reinforcement to allow our UXO Team opportunity to sort the AUES debris much faster than the former screening table.
- The AUES debris layer will be laid out on the pad in 6-inch-thick layers for the UXO Team to characterize, monitor, and remove the AUES debris with emphasis on sealed bottles, sealed test tubes and vials, potential Munitions & Explosives of Concern (MEC) items, and Munitions Debris (MD).
- Once the AUES debris layer is removed, Weston will reconstruct the Hillside slope with clean soil and conduct restoration – grass, tree and bush plantings & maintenance.

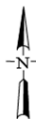
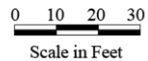
# Proposed psb hillside remedial action

Hillside Excavation, Former Public Safety Building, SVFUDS, Washington, DC



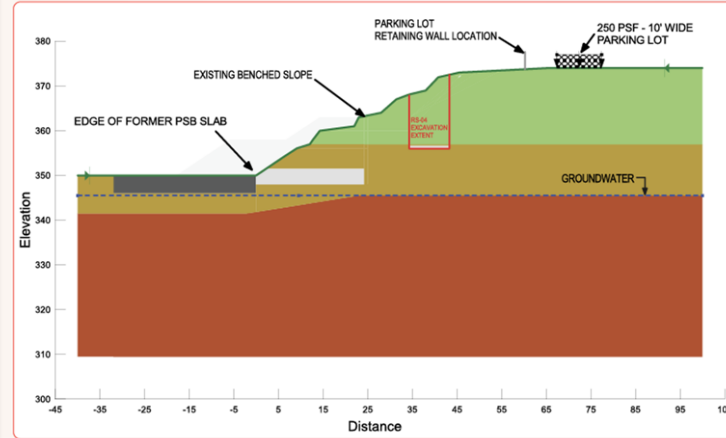
**Legend**

- Pre-construction Major Contour
- Pre-construction Minor Contour
- Existing Contour
- Approximate Excavation Boundary
- Proposed Retaining Wall Alignment



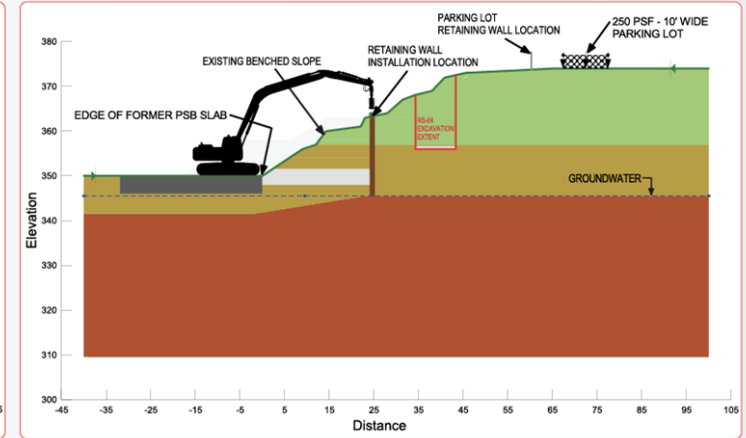
## 1 EXISTING PSB HILLSIDE

Prepare the site for the retaining wall installation.



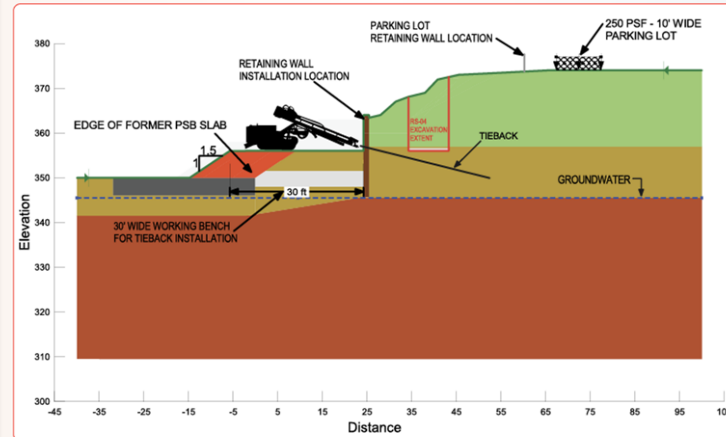
## 2 DRILL AND INSTALL RETAINING WALL PILES

The pile installation rig to be positioned at the bottom of the slope.



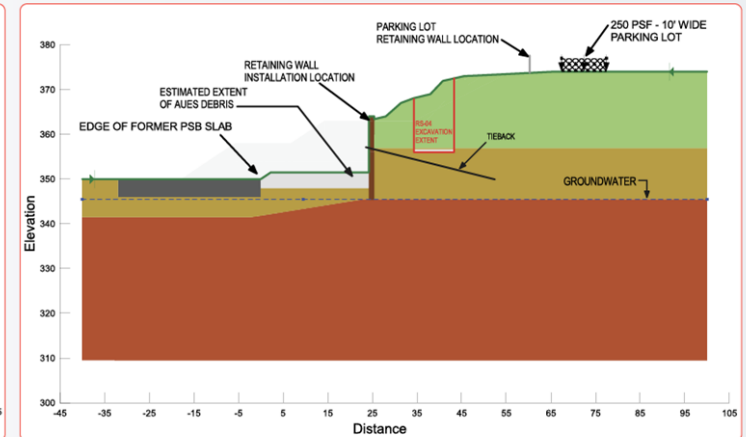
## 3 EXCAVATE OVERBURDEN AND INSTALL TIE BACKS

Excavate Overburden Down to Elevation 355 ft while Installing Wood Lagging. Then Install and Test Tiebacks to provide Lateral Support for Wall.



## 4 EXCAVATE AND REMOVE DEBRIS LAYER

Continue Excavation & Lagging down through and 1-ft Below the AUES Debris Layer. Remove, Sort, Test and Dispose of AUES Debris Layer.



Color							
Name	AUES Debris Layer	Backfill (imported)	Fill Material (reused)	Weathered Bedrock	Retaining Wall	Clayey Sand (SC)	Silty Sand (SM)

# PSB HILLSIDE RETAINING WALL details




**Install ~14 ft Retaining Wall from elevation 362 ft down to 348 ft and excavate approx. 560 CY of Debris**

- **Safety Fence – OSHA required safety fence at top of retaining wall.**
- **Tiebacks – set in angled borings and cemented in place to anchor the wall into the slope.**
- **Wood Lagging – installed by hand behind the front lip of the “H” piles to hold back the soil.**
- **“H” Piles – set in drilled holes and cemented in place. Designed to hold wood lagging boards.**

# DOT-approved traffic control plan

#11015181

R.F

	<p>Date: July 2023 Author: KA Project: 4801 Rockwood Pkwy NW, DC                  Permittee: Wozon Solutions Design by: MGSU - LKMI, LLC</p>
	<p>Comments:                  Sheet 1 of 2. (Traffic Control Plan)</p>
	<p>Stabilize Construction Entrance on private (American University) property for excavation (under separate permit) with ingress/egress to public space at Fletcher Gate at Rockwood Pkwy NW. No trucks staged in public space - area to be restricted solely for lining trains and a lay space for trucking.</p>
	<p>We expect 2-3 trucks per day during excavation work and 6-8 trucks per day during lift operations.</p> <p>Trucking type and Volume: 5-cubic yard dump trucks and 1 truck per piling 20-cubic yard roll off containers excavated soil from the FSD to the Federal Compound.</p> <p>Duration: 6 Months                  Working: 9:30am-5:00pm</p>

If construction traffic cannot be avoided within the CRZ:



For information on the location of the CRZ, please refer to the site plan. The CRZ is located within the 100-foot radius of the tree trunk.

**TO STANDARD NOTES:**

1. Traffic control shall be maintained at all times during construction.
2. All work shall be completed within the specified time frame.
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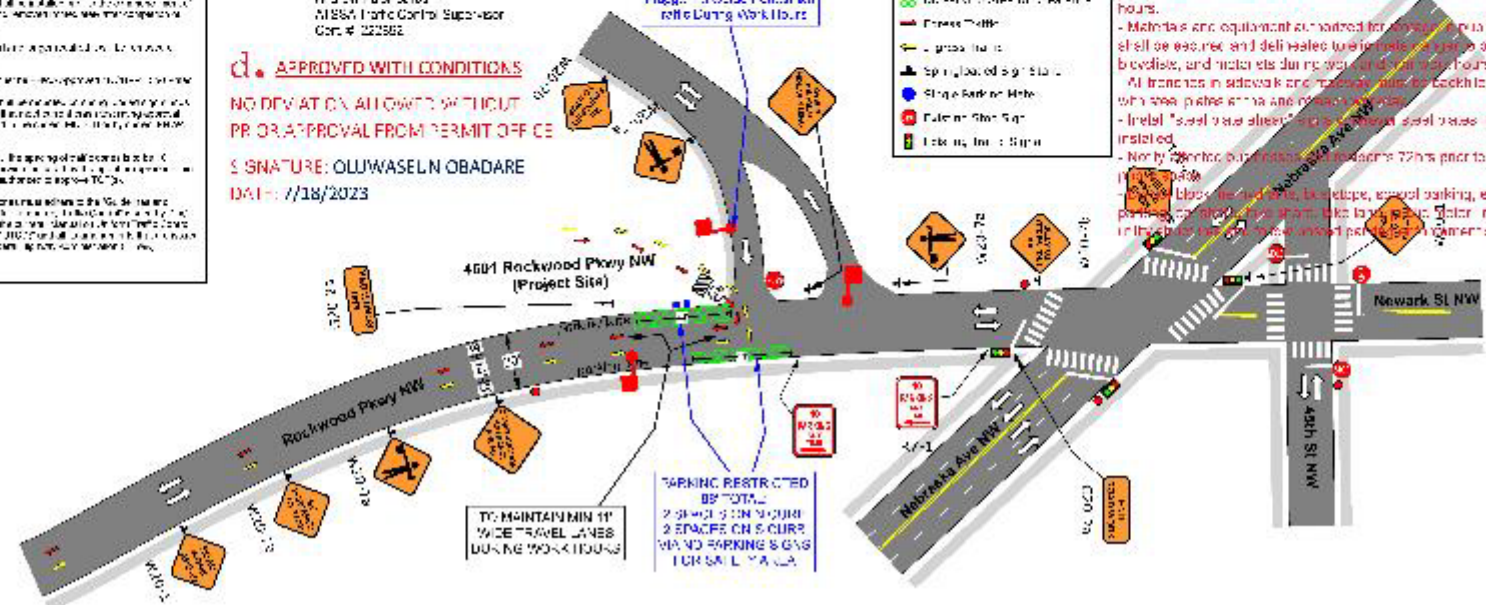
Andrew P. ...  
 MESA Traffic Control Supervisor  
 Contact: 2023862

**d. APPROVED WITH CONDITIONS**  
 NO DEVIATION ALLOWED WITHOUT  
 PRIOR APPROVAL FROM PERMIT OFFICE

SIGNATURE: OLUWASELUN OBADARE  
 DATE: 7/18/2023

- Legend**
- 1. Material Construction Entrance
  - 2. One Way Traffic
  - 3. Fire Hydrant
  - 4. No Parking Area for Trucks
  - 5. Project Limits
  - 6. Access Point
  - 7. Signalized Intersection
  - 8. Single Right of Way
  - 9. Full or Part Stop
  - 10. Closing Time Sign

- Work hours shall be from 9:30am to 5:30pm Monday to Saturday
- Coordinate with local ongoing construction work in public space to provide safe passage for vehicle and pedestrian traffic.
- Private flagger operation to monitor pedestrian safety when crossing sidewalk and construction zone entering and exiting the job site.
- All flaggers must be certified and have their certification in their possession at all times when flagging.
- Roadway and sidewalk shall remain open outside approved work hours.
- Materials and equipment stored for construction shall be secured and delivered to the site during work hours. Bicycles, motorcycles, and mopeds shall be secured during work hours.
- All trucks in sidewalk and roadway shall be backhitched or secured with wheel chocks and blocked wheels.
- Intersecting street shall be closed at least 72hrs prior to closing road.
- Notify Metro, bus routes, and bus lanes 72hrs prior to closing road.
- Block off road signs, beeline signs, street banking, embankment signs, and other signs shall be placed in the area of the road to be closed prior to work.



# PSB mobilization photos – September 2023



Excavator being delivered along Rockwood Parkway, NW at Fletcher Gate



Site Office Trailer in place next to Rockwood Building



Re-installed Construction Entrance at Fletcher Gate at American University

# PSB site preparation photos – September 2023



Installing poly Construction Mats within the former PSB footprint to protect the clean backfill & stabilize surface for excavation operations



New stone in place for the stabilized construction entrance plus tree protectors installed along the access road



Excavating anchor trench for the Super Silt Fence to be installed within the limit of disturbance along the southwestern edge of the site

# PSB site preparation Photos – September 2023



Construction Mats protecting the PSB Foundation Remediation Area and overview of the site



Excavating Eastern Drainage Swale for erosion control



Completed Western Drainage Channel for erosion control and New Super Silt Fence at back



# **PSB Hillside remediation schedule**

- **09 March 2023** - **PSB Hillside Award**
- **6 April 2023** - **Submitted Draft UFP-QAPP work plan & APP safety plan**
- **6 September 2023** - **Mobilization & Site Preparation**
- **10 October 2023** - **Start Overburden Soil Excavation**
- **Late October 2023** - **Retaining Wall Installation begins**
- **December 2023** - **Start AUES Debris Sorting**
- **March 2024** - **Confirmation Sampling & Start Backfilling**
- **April 2024** - **Draft Landscape Restoration Plan**
- **May 2024** - **Start Hillside Restoration**
- **June 2024** - **Prepare Draft Remedial Action Report**



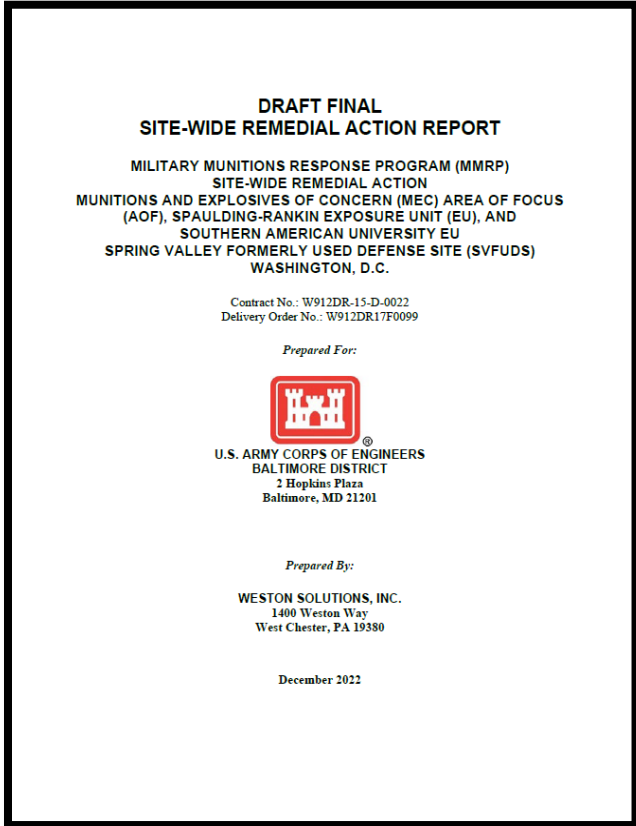
# SITE-WIDE REMEDIAL ACTION

## *Tentative Schedule*



**Fall 2023**

- Receive comments from Partners on Draft Final Report
- Issue Final Report, post on website





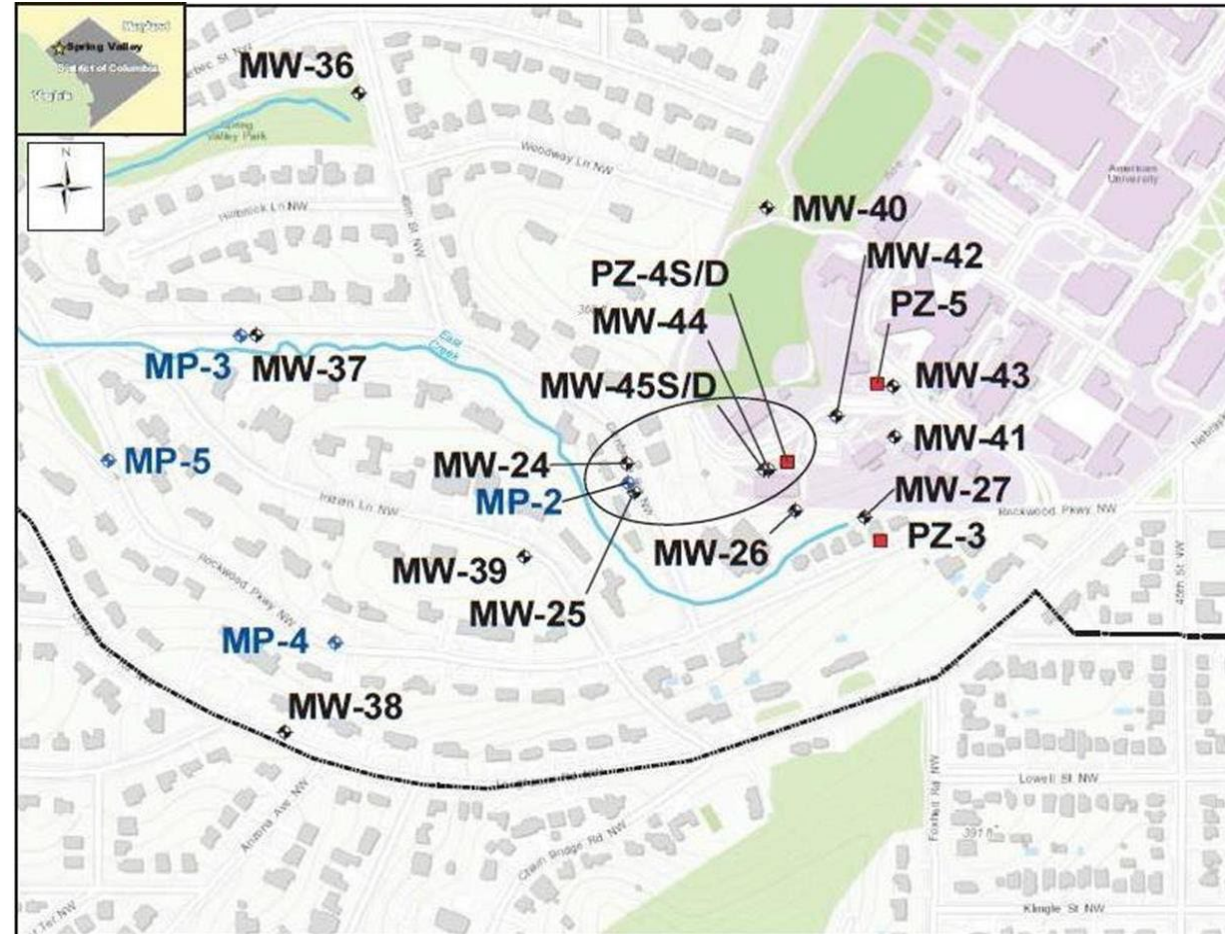
# SPRING VALLEY FUDS

## RESTORATION ADVISORY BOARD

### GROUNDWATER STUDY



USACE Updates





# Groundwater Study Update

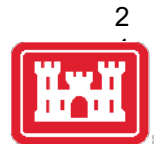


- USACE submitted responses to USEPA comments on the Draft Final RI Addendum in September. USEPA review completion expected in November. DÖEE had no comments on the RI Addendum.
- 2023 RI Addendum identified no actionable risk from exposure to groundwater at SVFUDS, pending final Partner concurrence
- Preliminary Draft No Action Proposed Plan currently being reviewed by USACE project team.
- No Action Proposed Plan will be submitted for public comment in winter 2024
- Public Meeting for Proposed Plan in winter 2024
- Final Decision Document in 2024



# SPRING VALLEY FUDS

## RESTORATION ADVISORY BOARD



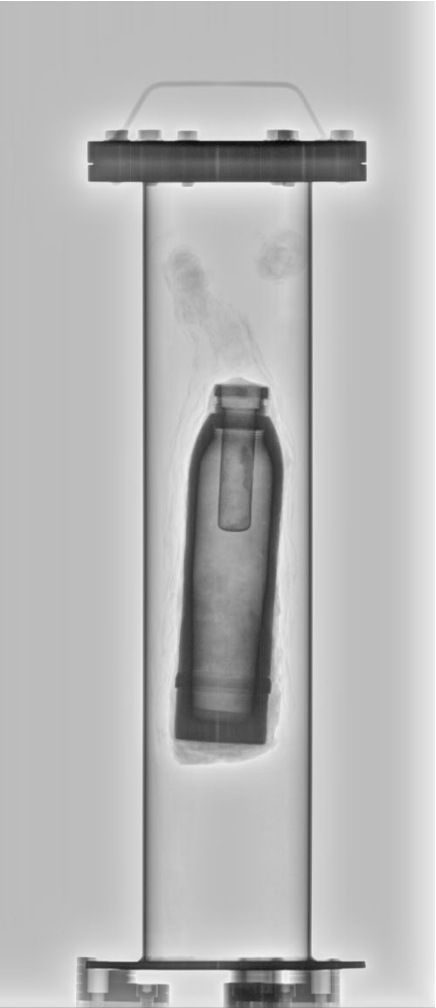
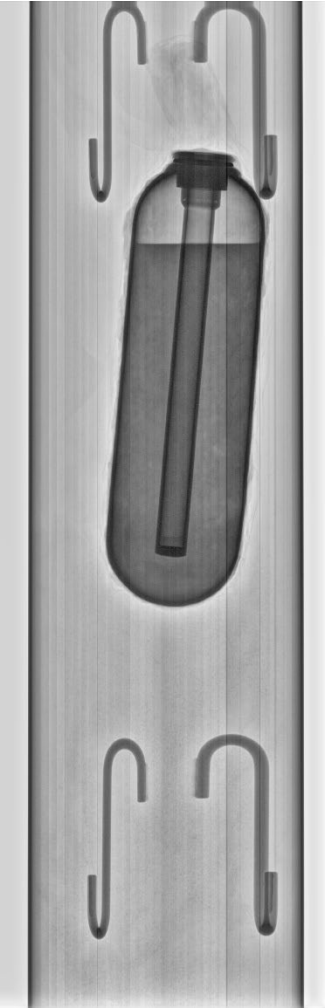
## USACE Updates

### Fort Totten Brief Update





# Fort Totten, April 2023 Munitions





# Original Placement of Glenbrook Soil - 1992







# Location of Munition Find, 2020





# SPRING VALLEY RESTORATION ADVISORY BOARD



## Reminders:

This has been our final scheduled meeting! The RAB is suspending its activities ahead of the anticipated completion of final actions. Once the remaining activities are complete, the RAB will formally disband. Updates from this point forward are website only.

