



# SPRING VALLEY FORMERLY USED DEFENSE SITE

Partners Meeting Presentation  
June 2022



US Army Corps  
of Engineers®



# AGENDA REVIEW



## Weston Updates

- Site-Wide Remedial Action
- Public Safety Building

## USACE Updates

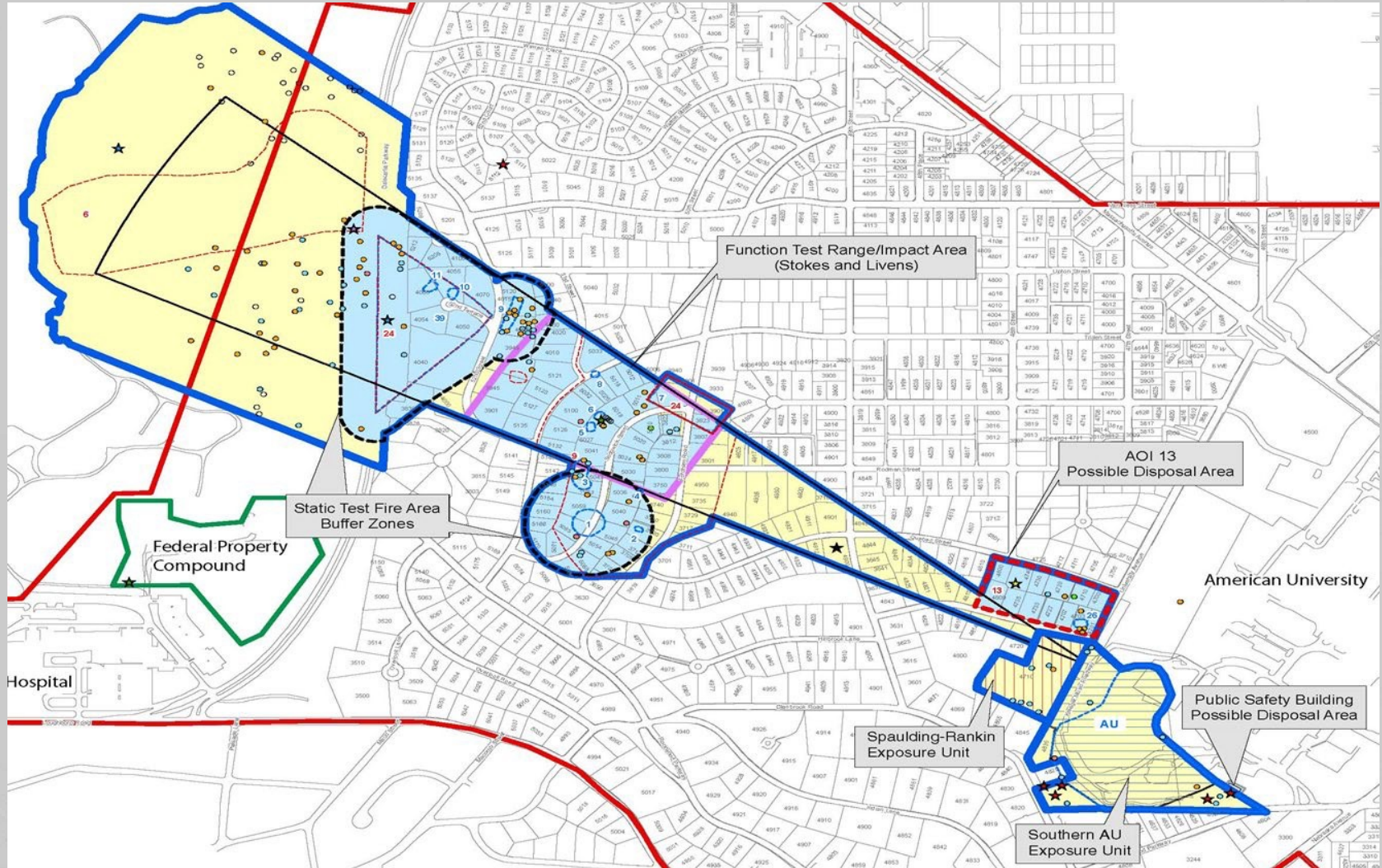
- Groundwater Study

## Future Partners Agenda Development



# SVFUDS SITE-WIDE REMEDIATION STATUS JUNE 2022

Weston Solutions, Inc.  
June 23, 2022



US Army Corps  
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# RESIDENTIAL PROPERTIES\*



- **Property Availability** – None during this reporting period.
- **Vegetation Removal/Blind Seeding** – None conducted during this reporting period.
- **Geophysical Surveys** –
  - Dynamic and cued surveys were completed at 1 property
  - To date, geophysical surveys have been completed at 13 Fed/city lots and 91 residential properties
  - Geophysical surveys remaining to be conducted at 1 residential property



\*info provided includes progress since last Partners presentation dated March 25, 2022.





# GEOPHYSICAL SURVEY COVERAGE



## AOI-13

- MPV Survey Coverage of accessible areas = 93.7%
- Overall MPV Survey Coverage of Area of Focus = 73.5%
- 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



# GEOPHYSICAL SURVEY COVERAGE



## Static Test Fire Area West

- MPV Survey Coverage of accessible areas = 84.2%
- Overall MPV Survey Coverage of Area of Focus = 64.9%
- 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
- The Dalecarlia Reservoir and one residential property have yet to be surveyed
- MPV Survey Coverage to include the Dalecarlia Reservoir Grids is estimated to be 93.8%.



# GEOPHYSICAL SURVEY COVERAGE



## Static Test Fire Area East

- MPV Survey Coverage of accessible areas = 94.6%
- Overall MPV Survey Coverage of Area of Focus = 69.2%
- 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



# GEOPHYSICAL SURVEY COVERAGE



## Function Test Range Impact Area

- MPV Survey Coverage of accessible areas = 94.3%
- Overall MPV Survey Coverage of Area of Focus = 66.7%
- 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



# INTRUSIVE INVESTIGATIONS UPDATE

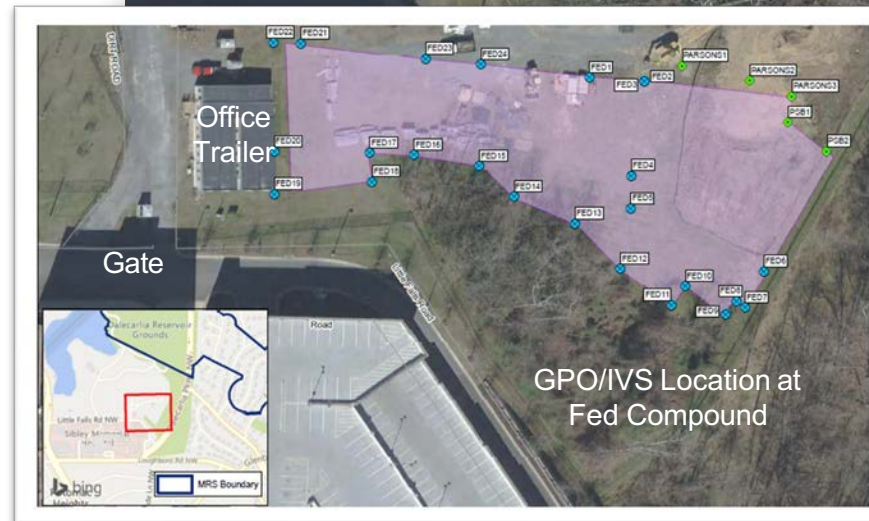
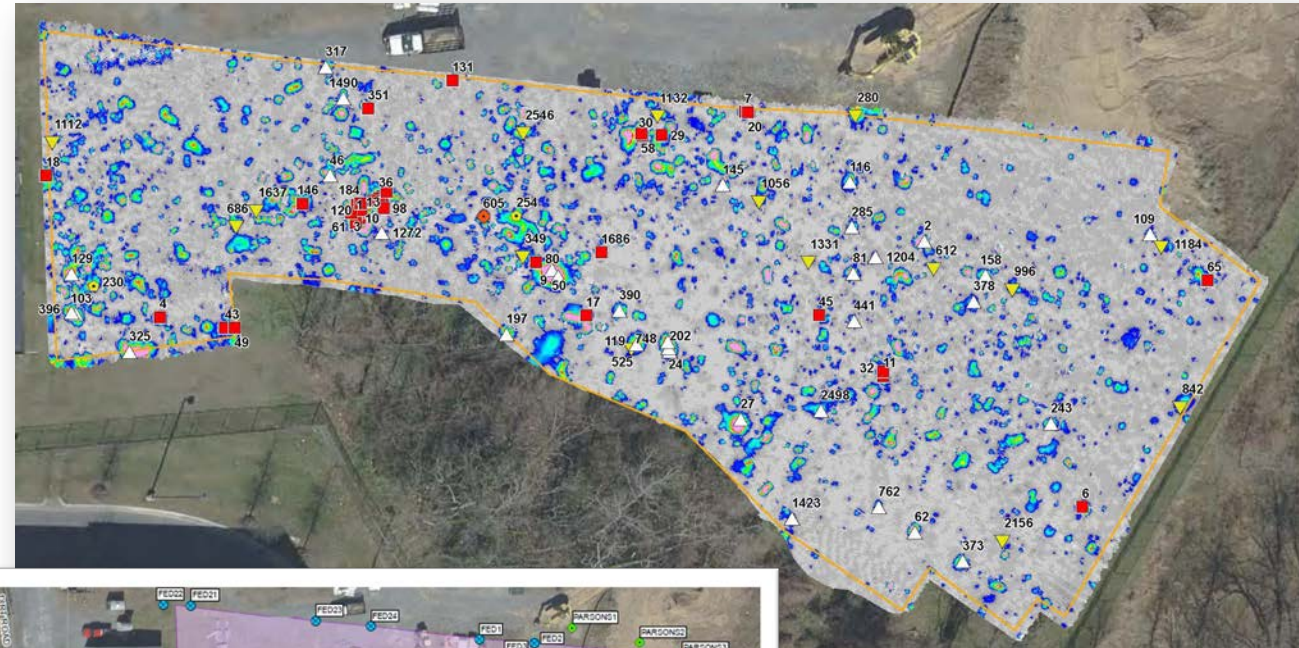
## Intrusive Investigations:

- Intrusive investigations conducted at one property
  - No MEC or MD recovered
  - Intrusive complete 16 June 2022
- One property owner refusing right-of-entry





- **Federal Compound 0.97-acre GPO/MS area**
  - Used throughout life of SVFUDS to test sensors
  - Includes current Weston MS that was not disturbed
- **Geophysical Surveys**
  - Dynamic Surveys Complete October 15, 2021
  - Cued Surveys Completed November 23, 2021
- **Intrusive Investigations**
  - Completed March 23, 2022
  - 2 MD items identified as former MS items recovered – no headspace analysis required
    - 75mm Projectile
    - 3-in Stokes Mortar
- **Intrusive results submitted to USACE on March 24<sup>th</sup>**



- ### Legend
-  Property Boundary
  -  Mag and Dig Area
  -  Training Digs
  -  Cannot Analyze Digs
  -  Likely TOI Digs
  -  QC/Verification Digs
  -  QA/Validation Digs



# RESIDENTIAL PROPERTIES – INTRUSIVE STATUS

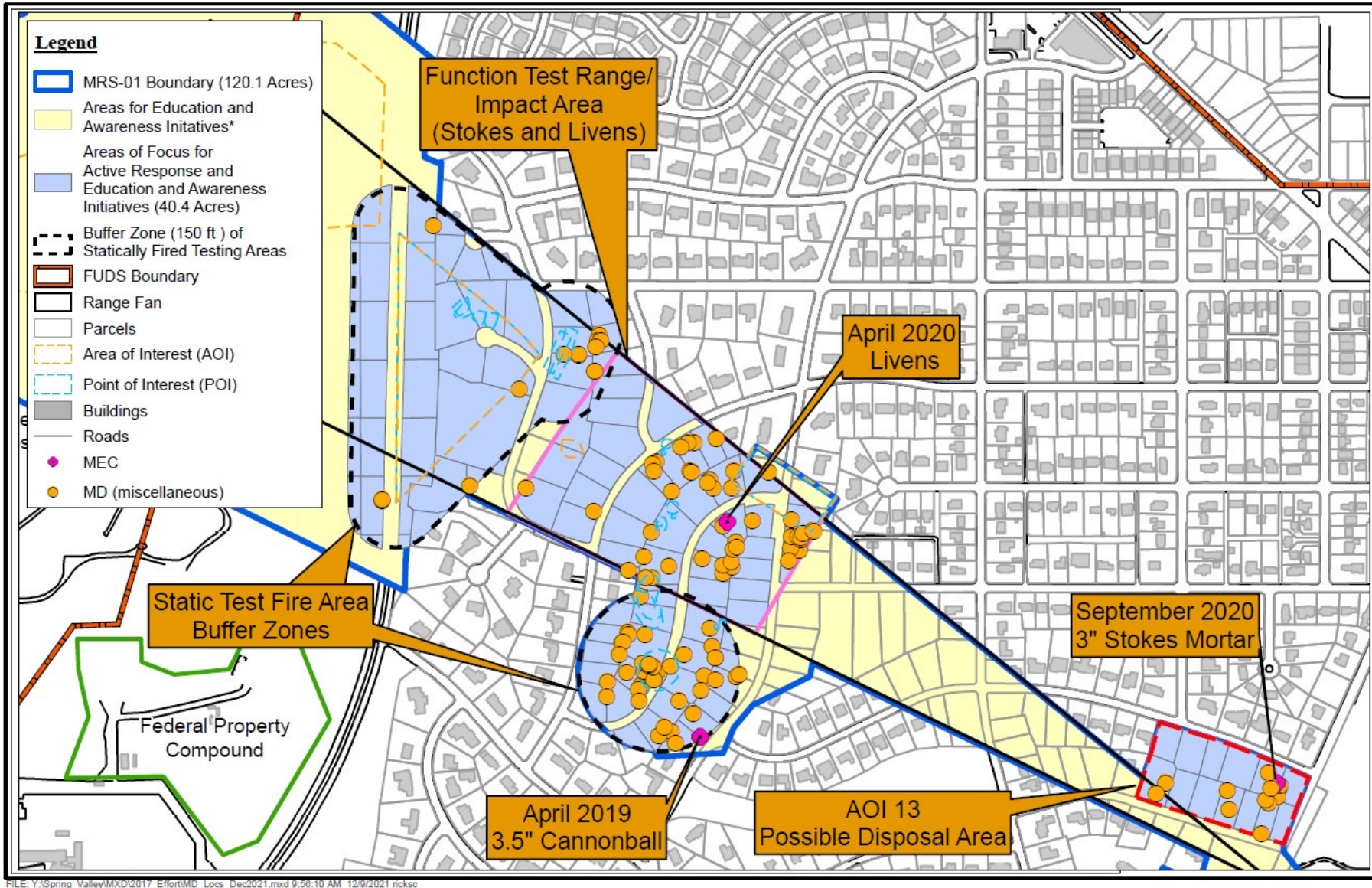


## Intrusive Statistics:

- 91 residential properties completed to date (98.9%)
- 3,121 targets investigated
- MD recovered = 135 (4.3% of total digs)
- MEC recovered (including Civil War cannonball) = 3 (0.10% of total digs)
- WW1-era MEC recovered = 2 (0.06% of total digs)



# RESIDENTIAL PROPERTIES – RA MEC/MD FINDS







# RESIDENTIAL PROPERTIES – GENERAL STATUS



- Work completed at 91 of 92 properties
- One property owner refusing Right-of-Entry
- One property completed intrusive investigations in June 2022



# RESIDENTIAL PROPERTIES – DELIVERABLES\*

- **Property Specific Data Summary (PSDS) Reports** – One Draft Final PSDS was submitted.
- **Root Cause Analyses (RCAs)/Field Variance Forms (FVFs)** – No RCAs/FVFs were submitted since the last Partners presentation.
- **Remedial Action Property Summaries (RAPS)** – No RAPS were submitted since the last Partners presentation

\*info provided includes progress since last Partners presentation dated March 25, 2022.



# RESIDENTIAL PROPERTIES – SCHEDULE



- **Geophysical Surveys** – No geophysical surveys are scheduled at this time.
- **Intrusive Investigations** – No intrusive investigations are scheduled at this time.

# PUBLIC SAFETY BUILDING UPDATE & SUMMARY

- Completed excavation under the former PSBslab on 21 January 2021 and backfill on 23 March 2021.
- Completed Rotosonic drilling & test pit AUES debris slope investigation on 12 April 2021.
- All PSBConfirmation Soil Sample results for Grids met the cleanup criteria.





# PUBLIC SAFETY BUILDING UPDATE (PAGE 2)

- Demobilized from the PSB site on 16 April 2021.
- Completed E&S Control Inspections every other week in October through June and after storms.
- PSB slope and soil benches are vegetated and stable.
- Mowing will be conducted at the PSB site during the growing season





# 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 expects to have Weston clarify some proposal technical and cost issues then negotiate award of the additional PSB work this summer.

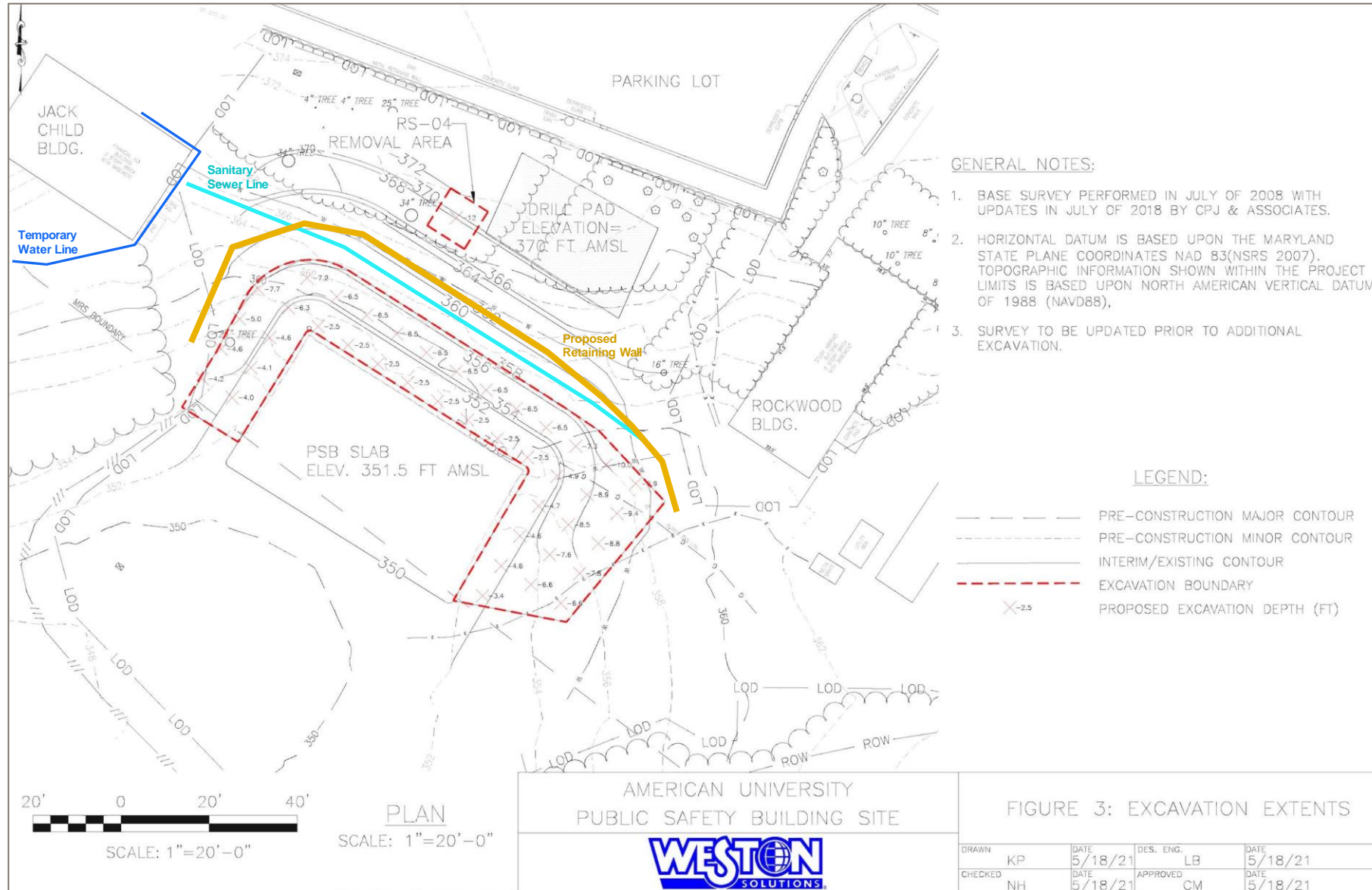


# PSB SLOPE EXCAVATION PLANNING



- 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 set up 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 SLOPE SOIL REMOVAL 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 several months before the work is awarded and the required planning documents are prepared and approved.
- Slope Soil Removal not expected to begin until late fall 2022. If awarded as proposed, the PSB soil removal work will continue well into 2023.
- 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.



# GROUNDWATER STUDY



- A contract has been awarded to AECOM to develop the CERCLA documentation, including the Groundwater Addendum to the Remedial Investigation Report, a No Action Proposed Plan, and a No Action Decision Document.
- The Preliminary Draft Remedial Investigation Addendum has been submitted, and the USACE project team is currently reviewing the document.



*Groundwater sampling well*



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





# SPRING VALLEY PARTNERS

## Reminders:

- Confirm the next Partners meeting date for September.
- 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?*