



**Naval Facilities Engineering Systems Command Southwest
Base Realignment and Closure (BRAC)
Program Management Office (PMO) West
San Diego, California**

**FINAL
Restoration Advisory Board
Meeting Minutes, Meeting Number 204**

Former Naval Station Treasure Island
San Francisco, California

February 9, 2021

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DCN: TRBW-0202-4856-0044

Prepared for:



**Department of the Navy
Naval Facilities Engineering Systems Command Southwest
BRAC PMO West
33000 Nixie Way, Building 50
San Diego, California 92147**

Prepared by:



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**FINAL
MEETING MINUTES
RESTORATION ADVISORY BOARD
FORMER NAVAL STATION TREASURE ISLAND
09 FEBRUARY 2021
Meeting Number 204
Virtual Meeting Number 3**

Community Restoration Advisory Board (RAB) Members in attendance:

Nathan Brennan, John Gee, Dale Smith

Department of the Navy (Navy) and Regulatory Agency RAB Members in attendance:

Tahirih Linz, Navy Base Realignment and Closure (BRAC) Environmental Coordinator (BEC)

Celina Hernandez, San Francisco Bay Regional Water Quality Control Board (Water Board)

Peyton Ward, Department of Toxic Substances Control (DTSC)

Other Navy, Regulatory Staff, and Consultant Representatives in attendance:

Dave Clark, Navy Lead Remedial Project Manager

Sarah Ann Moore, Navy

Dennis Parker, Navy

Zachary Edwards, Navy

William D. Franklin, Navy

Janet Lear, Navy

Patricia McFadden, Navy

Brandon Mills, Navy

Kimberly Noble, Navy

Reginald Paulding, Navy

Kimberly Walsh, DTSC

Marsha Maloof, Maloof & Associates

Michael Schmidt, Fleishman Hillard

Rick Wice, Battelle

Campbell Merrifield, Trevet-Bay West Joint Venture (Trevet-Bay West)

Megan Kranz, Trevet-Bay West

Maddison Laeber, Trevet-Bay West

Public Guests in Attendance:

Bob Beck, Treasure Island Development Authority (TIDA)

Courtney McDonald, District 6 Supervisor Haney's Office

Laura Shipman, One Treasure Island

Carol Harvey, journalist

Kevin Elizabeth Kempf, resident

Welcome Remarks and Agenda Review

Marsha Maloof (facilitator) opened the February 2021 RAB meeting for Former Naval Station Treasure Island (NAVSTA TI), held virtually because of COVID-19 restrictions. Ms. Maloof initiated introductions and reviewed the agenda ([Attachment A](#)).

New Business—Navy Presentation: Upcoming Installation Restoration (IR) Site 12 Fieldwork

Tahirih Linz (Navy) explained that the Navy's presentation would cover the IR Site 12 fieldwork taking place from late February through July 2021. The first presentation, presented by Brandon Mills (Navy), covers the Phase IV non-time critical removal action (NTCRA) solid waste disposal area (SWDA) Westside fieldwork. The second presentation, presented by Dennis Parker (Navy), is on the radiological areas of interest investigation fieldwork ([Attachment B](#)).

Mr. Mills began the first presentation on the Phase IV NTCRA SWDA Westside fieldwork.

IR Site 12 consists of approximately 93 acres in the northern portion of NAVSTA TI. SWDA Westside is located in the western portion of IR Site 12 and includes approximately 4.5 acres.

Within SWDA Westside is a radiologically controlled area (RCA) that is operating under a current license by the Navy contractor. It is surrounded by a fence and is inaccessible to the public.

The Phase IV NTCRA is an extension of the three previous phases of the NTCRA conducted to remove specific chemicals of concern as documented in the 2007 action memorandum. The objectives of the Phase IV NTCRA are to remove the remaining stockpiles and radiological screening yard (RSY) pads that were left behind from the Phase III fieldwork and restore SWDA Westside its pre-existing ground surface. This will be the final Phase of the NTCRA conducted per the 2007 action memorandum.

The Phase III fieldwork was halted because two munition items identified as an MK II hand grenade and an 81 millimeter (mm) Japanese mortar were encountered within the RSY pads and stockpiles and could not be supported under the Explosive Safety Submission (ESS). The ESS was revised to accommodate encountering objects of this caliber or greater. Historical documents indicate that these items are not commonly found on the island. For the Phase IV fieldwork, engineering controls consisting of large shipping containers will be placed around the stockpiles potentially containing munitions. They will be double stacked to prevent any fragments from going outside of the area in the case of an unintentional detonation. Unexploded ordinance (UXO) personnel will monitor access control points and ensure that vehicular traffic can navigate roads in the area of the stockpiles unimpeded and without concern.

The final stage of the Phase IV NTCRA will be to backfill the area to restore the site to its pre-existing ground surface. The objective is to bring in approximately 19,000 to 22,000

cubic yards of clean, imported fill to cover the site and allow for proper drainage and to prevent seasonal ponding. This is not meant to be a final remedy, but rather to balance the area to address any drainage and ponding concerns within SWDA Westside.

The draft final Phase IV work plan is currently being reviewed by the agencies and is expected to be finalized by the end of February 2021. Once complete, a work notice will be delivered to all residents in the vicinity of the work. Fieldwork is anticipated to begin in early March 2021 with vegetation clearance and debris cleanup occurring first. The stockpiles will then be removed over a six-to-eight-week period, followed by another six to eight weeks to complete backfilling of the site. A post construction summary report is scheduled to be produced in late summer or early fall, following the completion of fieldwork.

The second part of the presentation was given by Mr. Parker to discuss the general purpose of the upcoming radiological areas of interest investigation fieldwork at IR Site 12. Seven previously identified radiological anomaly areas of interest will be excavated to determine whether there are identifiable radiological items causing the anomalies. During previous investigations, the seven locations were identified because each site had an exceedance of an IR Site 12 screening level during a previous investigation. These previous exceedances were from Radium 226 concentrations soil samples collected from the bottom of an excavation and/or a scan of the bottom of the excavation. However, there was not an unacceptable exposure for anyone standing on the surface at these sites.

Slide 13 showed a figure with the seven locations, with Mr. Parker providing background information on each of the areas of interest. Background information included the previous actions completed and how the area was identified for this investigation (slides 14-18).

Mr. Parker discussed the radiological areas of interest investigation approach. The first step is to locate each anomaly using global positioning system coordinates, field sketches, and/or pictures/figures included in historical documents. A temporary RCA will be established around each anomaly location. The contractor will remove surfaces that may prevent excavation, such as concrete and hardscape. This will allow for excavation using hand tools or mechanical excavation, if necessary.

Excavations will have a lateral extent of two-by-two feet. Excavation will be performed in -one-foot vertical increments. Soil will be placed on a laydown area and scans will be conducted on the excavated soil as well as the surface and sidewalls of the excavation after each foot of excavation.

If a radiological item is located, the item and the surrounding material will be placed in radiological waste disposal containers. Afterward, a one-by-one foot area around the item's location will be excavated and disposed as impacted material. An additional excavation of 1-foot across the entire two-by-two-foot excavation will be performed and surveys within the excavation will be performed to confirm there are no additional radiological sources.

Fieldwork is planned for April 2021 and will last for approximately two weeks. Data from the samples taken will be available one month after the fieldwork has been completed. A draft report documenting the results from this investigation is scheduled for release in July 2021.

Ms. Maloof asked for questions regarding the presentations.

Carol Harvey (journalist) asked if there will be fencing surrounding the radiological excavation site near the intersection of 12th Street and Avenue D. Mr. Parker said there would not be fencing in place, but there will be a clearly demarcated work area during the excavations to prevent public entry to the site.

Ms. Harvey asked how long the excavations will take. Mr. Parker said he anticipates completing the fieldwork will require a total of two weeks. It is estimated that one day will be spent at each location, but more time may be necessary if concrete or another hard material below the ground surface is encountered at a location.

Ms. Harvey asked if they will be using the same system of cordoning off each area until the excavation is complete. Mr. Parker said all locations will be cordoned off as an exclusion zone for the entirety of the excavation process.

Courtney McDonald (District 6 Supervisor Haney's Office) said that a hearing was held on February 8, 2021 regarding the NAVSTA TI cleanup, but the Navy did not attend, and she looks forward to a follow-up. She asked who will be performing the radiological areas of interest excavations. Mr. Parker said that the contractors will be performing the fieldwork with Navy oversight. He does not know whether the agencies plan to come out to the site, but the contractors will be responsible for controlling the site and making sure it is secure. Peyton Ward (DTSC) said that DTSC and California Department of Public Health will also be providing oversight.

Ms. Harvey asked for the name of the contractor. Mr. Parker said Battelle will be the primary contractor for the excavations.

Tahirih Linz (Navy) noted that there will also be a third-party quality assurance oversight contractor observing all of the radiological work at NAVSTA TI, including this project.

Ms. McDonald asked for Mr. Parker to speak more about the object identified inside of Building 1229 and where it was located within the building. Mr. Parker said that there have been no objects identified at Building 1229 and that the intrusive investigation has not been conducted yet. Ms. McDonald asked when the scan was done and whether the building was vacant at the time of the scan. Mr. Parker said it was done in February 2018. Ms. Linz added that the building was vacant at the time of the interior scan and has remained vacant since then. Ms. McDonald asked if it was known when the building was last occupied. Ms. Linz said she would have to get back to her with that information. Ms. Harvey said Building 1229 has been boarded up and unoccupied since before 2014.

Dale Smith (RAB member) asked how the two square foot area was determined to be adequate for the investigation and whether areas beyond it will be investigated. Mr. Parker said the two-foot by two-foot area is intended to be the minimum starting point.

He confirmed that scanning will be conducted within the area and it will be expanded if necessary.

Ms. Smith asked if different equipment was used in the investigation of Building 1229 where radiological material was located underneath the concrete, since radiological material was not found at any other buildings. Zachary Edwards (Navy) said that for all of the buildings a large area sodium iodide scintillator with a detection rate to a tenth of a microrem was used. This allowed them to see through a foot of concrete. Anything that exceeded the threshold of two microrem per hour was identified. Ms. Smith said that it is possible that there may be more radiation located deeper under the surface that cannot be identified. She did not believe anything had been found throughout the construction process, but it may not have involved digging deep enough to find anything. Ms. Linz said that because Building 1229 is on the edge of Northpoint and Bayside SWDAs, there could be something at depth. At this point, data from surface scans through the floor surface of Building 1229 indicate the presence of a radiological source. Mr. Parker's approach will be to remove the concrete to investigate what is underneath. If a radiological source is found, the goal is to over-excavate in a one-foot cube to ensure complete removal of that source. Final scans of the sidewalls and bottom of the excavation will be performed to confirm radiation levels are below site screening levels before leaving the area.

Ms. Smith said that Jim Sullivan, the BEC in the 1990s, said that that many military personnel returned from war in the Pacific with Japanese materiel and left them on NAVSTA TI, including grenades.

Ms. Harvey asked if the radiological item in Building 1229 was found on the floor. Ms. Linz said that the interior floor had been scanned and part of the concrete floor surface was above the background screening level so they will be going through the concrete to see if anything is in the soil below.

Ms. Harvey asked what the highest exceedance from the scan was. Ms. Linz confirmed that Ms. Harvey was asking for the highest exceedance found during the previous investigation of the seven sites that are the subject of the upcoming investigation. Ms. Harvey said she would like a range or the exact exceedance at each location. Ms. Linz said she would get back to her with that information.

Ms. Harvey asked for further characterization of the MK II hand grenade and the 81 mm Japanese mortar. Brandon Mills (Navy) said there is no historical evidence of the use of these on NAVSTA TI, so they were likely war souvenirs. Out of an abundance of caution, the Navy must assume there could be more similar munitions located at the site, so they have planned for that possibility.

New Business—BRAC Cleanup Team Update

Ms. Linz said that she had looked into Ms. McDonald's request for information about Building 1229 occupancy. It was never part of the leasing program and the building has never been occupied.

Ms. Ward provided an update on work performed by DTSC since the last RAB meeting.

DTSC and Terraphase employees visited NAVSTA TI in December 2020 to oversee the installation of new utility poles along 9th Street. The work that took place included radiological scans of the boring areas, all of the spoils, equipment, and personnel. DTSC received a report documenting the results of the scans and sampling. The report is currently under review by the CDPH.

DTSC attended BRAC Closure Team meetings on December 9, 2020 and January 20, 2021, in addition to the San Francisco Board of Supervisors' Planned Use and Transportation Committee meeting on February 8th, 2021. Ms. Ward attended the monthly technical working group meetings to discuss the IR Site 12 technical memorandum on open spaces, which has not yet been approved but is being used as a starting point to develop a path forward for radiological closure of IR Site 12. Recent meetings have focused on evaluating the refined conceptual site model, which the Navy is working on, and reviewing the proposed references and data that the Navy plans to use for their upcoming feasibility study addendum for IR Site 12. At the most recent meeting, the Navy presented some of the progress that has been made on chemical remediation at IR Site 12. The results of this will be included in the remedial action completion report, which is due later in 2021.

Since the last RAB meeting, DTSC has reviewed the second five-year review fact sheet, which will be distributed soon. DTSC delivered comments on February 2, 2021 for the 2019 basewide groundwater monitoring program report. Recommendations made by DTSC on the 2018 basewide groundwater monitoring program report are also planned for implementation in the 2020 and 2021 reports. DTSC and the Navy are working on their final comments on the Site 12 SWDA Phase IV work plan, which is expected to be resolved and finalized by the end of February. Comments were provided for the IR Site 12 radiological areas of interest work plan in January 2021 and DTSC is waiting to receive responses to comments from the Navy. DTSC commented on an IR Site 12 cleanup program summary which will be distributed as a public document. A draft final copy addressing their preliminary comments was received on February 4, 2021. DTSC also received and commented on the draft 2020 site management plan. The final copy is now available on EnviroStor.

Celina Hernandez (Water Board) said that she usually defers to DTSC for the radiological reports as they are the primary regulatory agency. Ms. Hernandez reviewed the draft 2019 basewide annual monitoring report and issued comments in late November 2020. She is still waiting for a response from the Navy on her comments. She issued comments on the 2020 basewide site management plan on December 15, 2020 and reviewed the final version on December 28, 2020. The final document is now available on the Water Board's Geotracker database. Ms. Hernandez is working on edits to the IR Site 12 SWDA Westside draft NTCRA work plan with the Navy and expects to have it out by March 2021.

At IR Site 6, the Water Board reviewed a draft underground storage tank/aboveground storage tank 248 area closure report and met with the Navy in January 2021 to discuss the draft. Following further discussion, the Water Board and Navy agreed that the Navy

will collect more data. The draft closure report is on hold until more data is collected, after which the report will be reevaluated, likely in 2022.

New Business—Citizen’s Advisory Board (CAB) Update

Nathan Brennan (RAB member) said that the CAB had meetings in December 2020, January, and February 2021. There were discussions at the meetings on the planning for building the community facilities and TIDA provided a report on construction updates.

Old Business—Community Comments

Ms. Harvey asked for the names of the Trevet-Bay West employees attending the meeting. Ms. Maloof said Maddison Laeber, Megan Kranz, and Campbell Merrifield are working the meeting.

Old Business—RAB Meeting Minutes Approval Meeting No. 203

Ms. Linz asked for comments on the December 2020 RAB meeting minutes.

Ms. Smith noted that in the fourth paragraph on page 3 “the” should be added before ROD and on page 9, the third paragraph under the “CAB Update” should have “were” changed to “are.”

Mr. Brennan moved to accept the minutes with edits by Ms. Smith. Ms. Smith seconded. The motion was approved.

RAB Discussion Items, Co-Chair Announcements, and Future Agenda Items

Ms. Linz said that she completed her action item to provide responses to Ms. Smith regarding comments from the September 2020 RAB meeting.

Ms. Harvey said that she has not yet received a response from Ms. Linz and Mr. Clark regarding the identification of the metal tank-like structure at Westside SWDA. This remains an action item.

Ms. Linz said that she has a response for Ms. Harvey regarding her request for access to documents shared with RAB members. She believes this was in regard to draft work products which are under review by the Navy and regulatory agencies and not generally shared with the public. If Ms. Harvey is interested in these documents, she can contact public affairs or file a request through the Freedom of Information Act. She can also look through the administrative record to see which documents are in fact available for public release, but the draft documents are not generally released to the public. Ms. Harvey asked if she could call Ms. Linz to discuss this further. Ms. Linz said Ms. Harvey could contact her.

Ms. Maloof said that she does not have an answer regarding her action items regarding payment of the bridge toll by RAB meeting members attending future in-person

meetings and asked Bob Beck (TIDA) if he had any information on this topic. Mr. Beck said he had nothing to add as the toll policies are still under development.

Ms. Linz said that there is no presentation decided upon for the next RAB meeting on May 11, 2021 and requested suggestions be sent to her.

Ms. McDonald thanked Ms. Linz for sending her the RAB minutes requested from 2020 and asked if they could be posted online. Ms. Linz said minutes had been posted in the past and she was not sure why some had not been posted. She will look into getting minutes posted in the future. William Franklin (Navy) said that there should not be an issue getting the minutes posted if Ms. Linz or Mr. Clark will locate the documents they want uploaded to the Navy's website. Ms. Linz said that since there are three months between RAB meetings, the minutes from February will not be finalized until May, and therefore will not be on the website until June. The December 2020 minutes finalized during this meeting will be posted in the next few weeks.

Ms. McDonald asked if there is a list of all buildings that have been scanned on the inside. Ms. Linz said that the indoor survey reports should be available on the website. Mr. Clark said that all housing units that were leased or occupied were subject to interior surveys several years ago. All unoccupied buildings have also been scanned, resulting in 100 percent scanning of all residential buildings that were occupied or unoccupied. The Navy's intention was to have 100 percent coverage of all buildings. The information on unoccupied buildings is in a separate report but should be on the website as well.

Mr. Clark said that if documents are not on the website, there is a link to the Navy information repository that has a broader list of documents available to the public. Ms. Ward added that the documents should also be available on DTSC's repository, EnviroStor.

Ms. Harvey asked who is currently writing the meeting minutes now that TetraTech is no longer facilitating the meetings. Ms. Linz said that Trevet-Bay West now produces the minutes, and they are reviewed by Navy and the regulatory agencies.

Adjournment

The meeting was adjourned at 8:50 p.m.

Action Items

Mr. Clark and Ms. Linz will review the image from Ms. Harvey identifying the metal tank-like structure at Westside SWDA and respond.

Ms. Linz will contact Ms. Harvey regarding highest exceedance levels at each of the seven anomalies.

Attachment A. NAVSTA TI RAB Meeting No. 204 Agenda

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ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING AGENDA

NAVAL STATION TREASURE ISLAND

Tuesday, 9 February 2021

Join by computer Download the Microsoft Teams App to your desktop, phone, or tablet and use Meeting Link: <https://tinyurl.com/TI-RAB-FEB-2021>

Join by telephone Toll Free: 1-833-258-6146, Enter the meeting ID: 793 657 269#

For Technical Help, use link below or call: 415-712-2311

<https://support.microsoft.com/en-us/office/meetings-in-teams-e0b0ae21-53ee-4462-a50d-ca9b9e217b67>

MEETING NO. 204

I. WELCOME REMARKS AND AGENDA REVIEW

7:00 – 7:05 Welcome, Introductions, Meeting Guideline Review

Marsha Maloof, Meeting Facilitator

7:05 – 7:10 Agenda Review

Alice Pilram, Community Co-Chair

II. NEW BUSINESS

7:10 – 7:55 Navy Presentation: Upcoming Installation Restoration Site 12 Field Work

Presentation: Dennis Parker and Brandon Mills, Navy

Q&A: RAB

Q&A: Community

7:55 – 8:05 BRAC Cleanup Team Update

Peyton Ward, Department of Toxic Substances Control and Celina Hernandez,
Regional Water Board

8:05– 8:15 Citizen’s Advisory Board Update

Becky Hogue, RAB member

8:15 – 8:25 Break

III. OLD BUSINESS

8:25 – 8:35 Community Comments

Marsha Maloof, Meeting Facilitator

Q&A: RAB

Q&A: Community

8:35 – 8:45 RAB Meeting Minutes Approval Meeting No. 203

Tahirih Linz, Navy Co-Chair

8:45 – 8:50 Action Items from December 2020 RAB Meeting

Tahirih Linz, Navy Co-Chair

8:50 – 9:00 RAB Discussion Items, Co-Chair Announcements and Future Agenda Items

Alice Pilram, Community Co-Chair and Tahirih Linz, Navy Co-Chair

9:00 Adjourn

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Attachment B. Upcoming Installation Restoration Site 12 Fieldwork Presentation

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Site 12 Fieldwork Phase IV NTCRA SWDA Westside Radiological Areas of Interest

Former Naval Station Treasure Island

*Restoration Advisory Board
February 9, 2021 Meeting*



Site 12 SWDA Westside Overview



- Solid Waste Disposal Area (SWDA) Westside is an approximately 4.5 acre area within the 93-acre IR Site 12 housing area
- Consists of a radiologically controlled area within the fenced portion of the SWDA
- Subject to various excavations as part of several Non-Time Critical Removal Action (NTCRA) phases



Phase IV NTCRA Objectives

Phase IV Non-Time Critical Removal Action (NTCRA) is an extension of the previous project phases (1-3) per the 2007 Action Memorandum (Navy, 2007). This final phase will address the following objectives:

- Clear and remove vegetation
- Remove trash and miscellaneous debris
- Remove existing Phase III soil stockpiles and radiological screening pads
- Restore SWDA Westside to pre-existing ground surface



Phases of Fieldwork

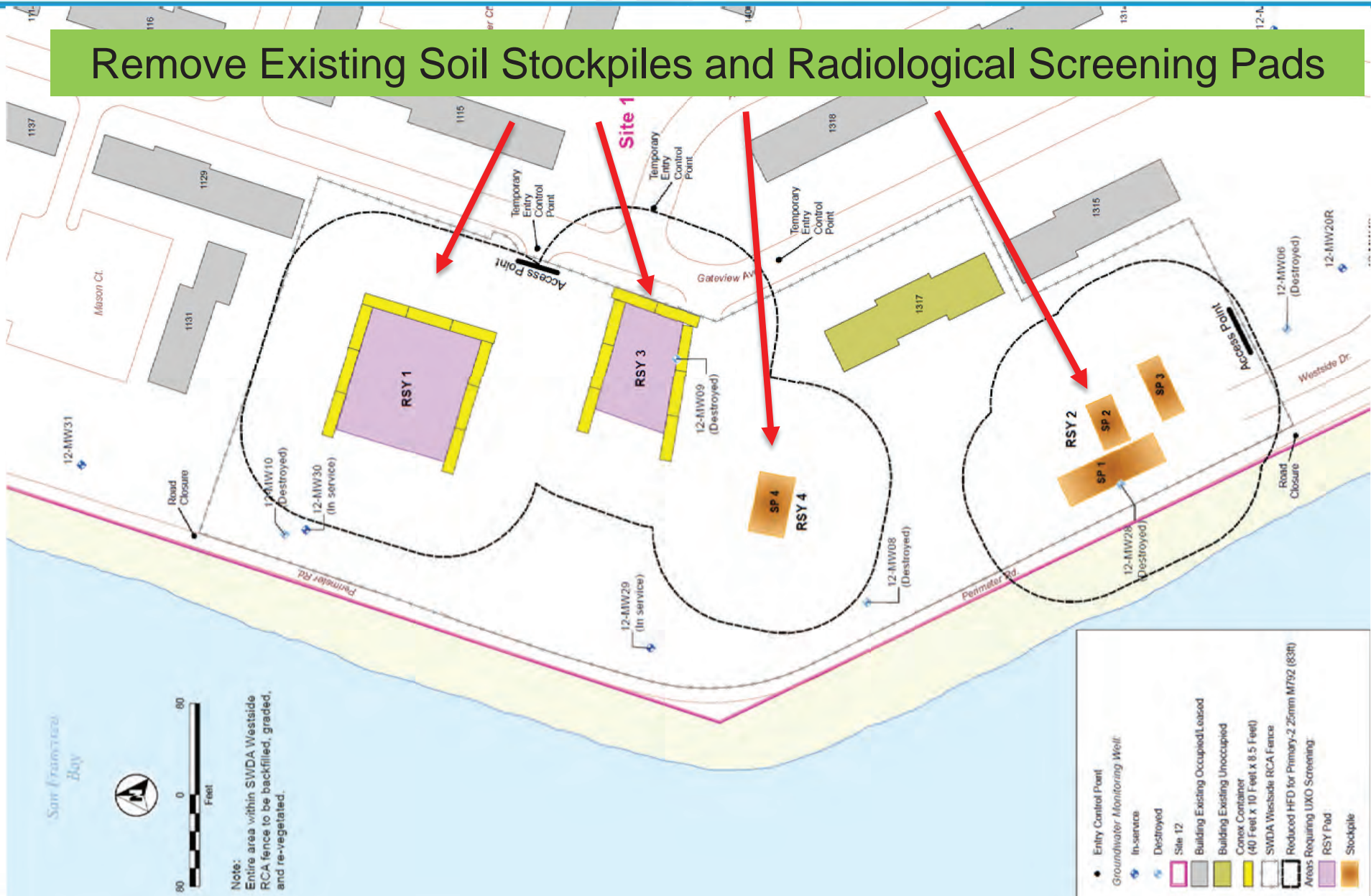
Existing Vegetation Slated For Removal





Phases of Fieldwork (continued)

Remove Existing Soil Stockpiles and Radiological Screening Pads





Phases of Fieldwork (continued)

Example of Existing Soil Stockpile to be Removed





Phases of Fieldwork (continued)

Construction Debris to be Removed





SWDA Westside Implementation

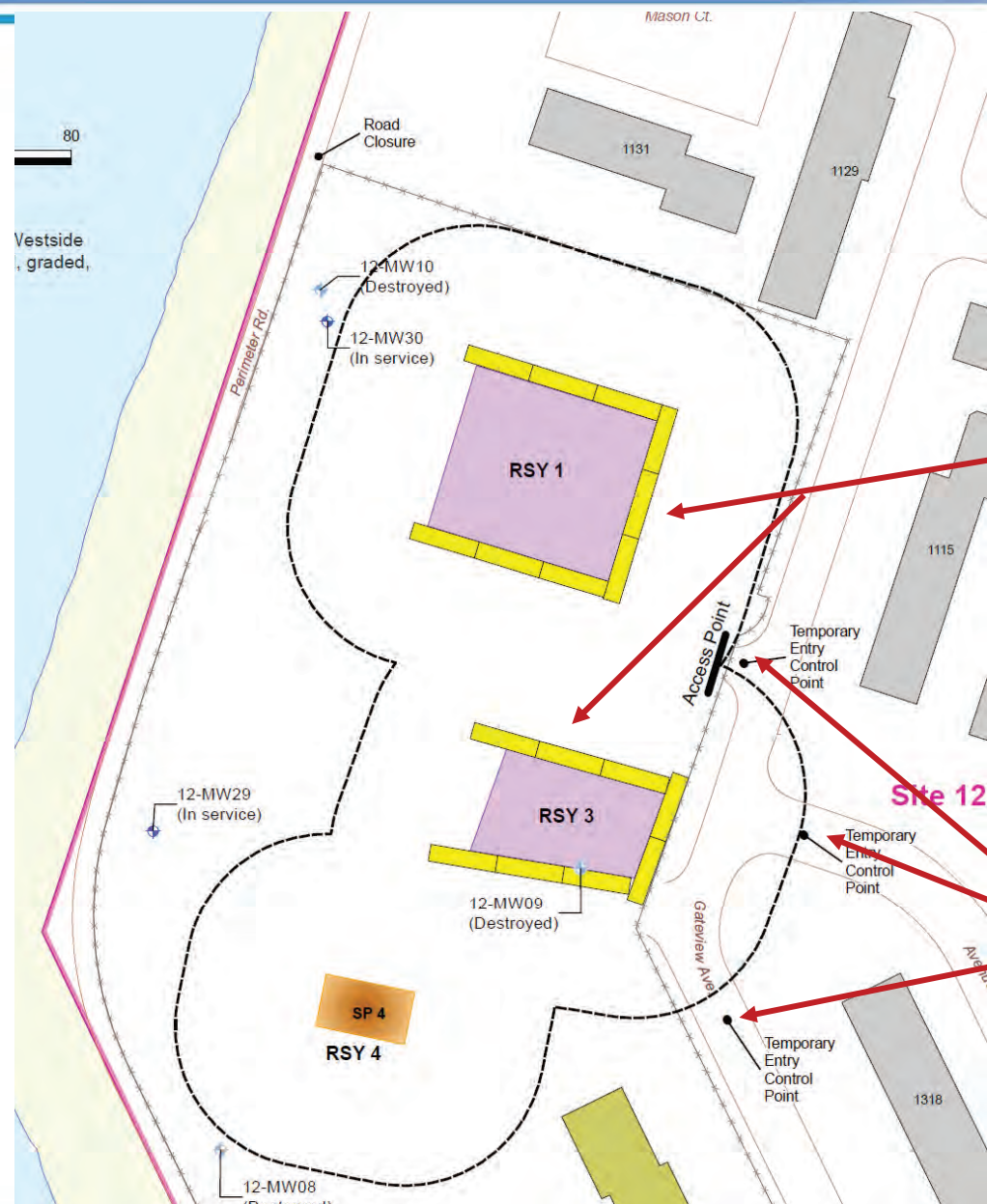
Removal of Old Radiological Screening Pads





Munitions Screening Safety Measures Engineering Controls (ECs)

- ECs based on excavation of two objects
 - MK II Hand Grenade
 - 81mm Japanese Mortar
- Steel-lined shipping containers used to reduce hazardous fragmentation distance
- Access control points & closures to limit non-essential personnel from site and vicinity access





Site Restoration and Backfill

- Import fill to restore pre-existing ground surface
- Prevent seasonal ponding
- Allow proper drainage





Schedule

- February 2021 Finalize Phase IV NTCRA Work Plan
 - Issue Work Notice
- Feb/Mar 2021 Begin Phase IV NTCRA Fieldwork
- Feb/Mar Through June 2021 Fieldwork
- June 2021 Begin Preparation of Post Construction Summary Report (PCSR)
- August/September 2021 Submit Draft PCSR to Agencies

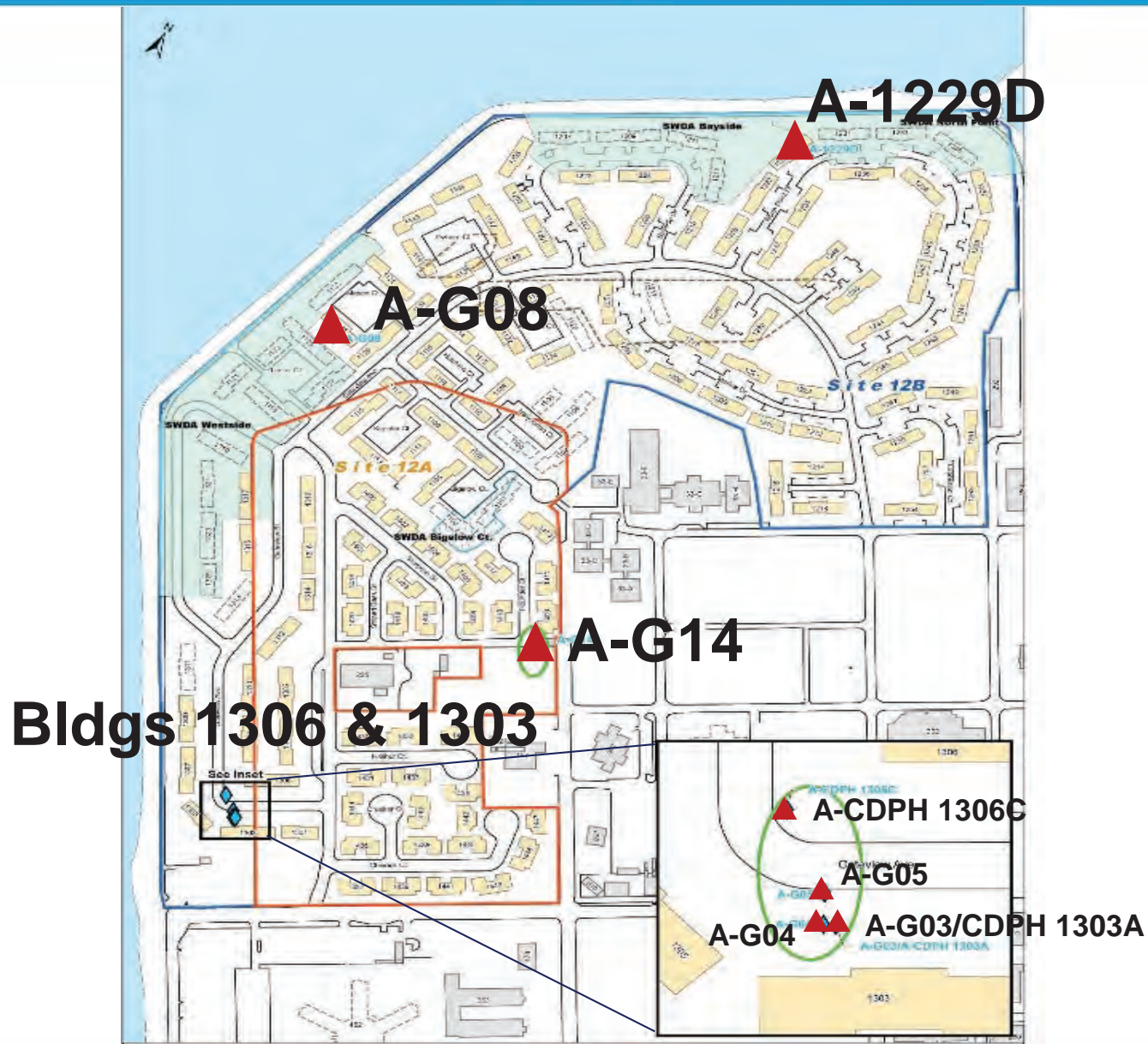


General Purpose – Areas of Interest Investigation

- Investigate by excavation seven (7) previously identified radiological anomaly areas of interest within IR Site 12
 - Are there radioactive items causing the anomaly?
 - Is there no identifiable source of the anomaly?
- Each location had an exceedance of an IR Site 12 screening level without identification of the potential source (i.e. radiological item)
 - Sample collected from bottom of excavation
 - Scan of bottom of excavation
 - Inability to access the potential radiological source



Areas of Interest Anomaly Locations





Bldg 1131 (Anomaly A-G08)

- Identified in 2013 Investigation in the southwest corner of fenced backyard of Bldg 1131
- Soil sample concentration of Radium 226 exceeded screening level
- Further Investigation in February 2018 was performed using hand tools
- Excavation stopped at 1.5 feet bgs when a large, hard surface was encountered
- No discrete radiological source identified





Bldg 1229 (Anomaly A-1229D)

- The anomaly was identified in February 2018 based on surface measurements
- Inside vacant Unit D at 1229 North Point Dr
- Intrusive investigation was recommended based on surface measurements



Figure 5. Photograph Showing Location of A-1229D within Grid 12 of Building 1229, Unit D



Bldg 1303 (Anomalies A-G03, A-G04, AG05)

- **A-G03/CDPH A-1303A**

- March 2013: Small, discrete particles with radium 226 were identified and removed
- October 2013: soil sample collected at 1.5 feet depth had concentration of radium 226 exceeding screening level

- **A-G04 and A-G05**

- October 2013: Soil removed to 1 foot bgs at both locations with no radiological items identified
- Radium 226 concentrations found in samples from bottoms of excavations exceeded screening level



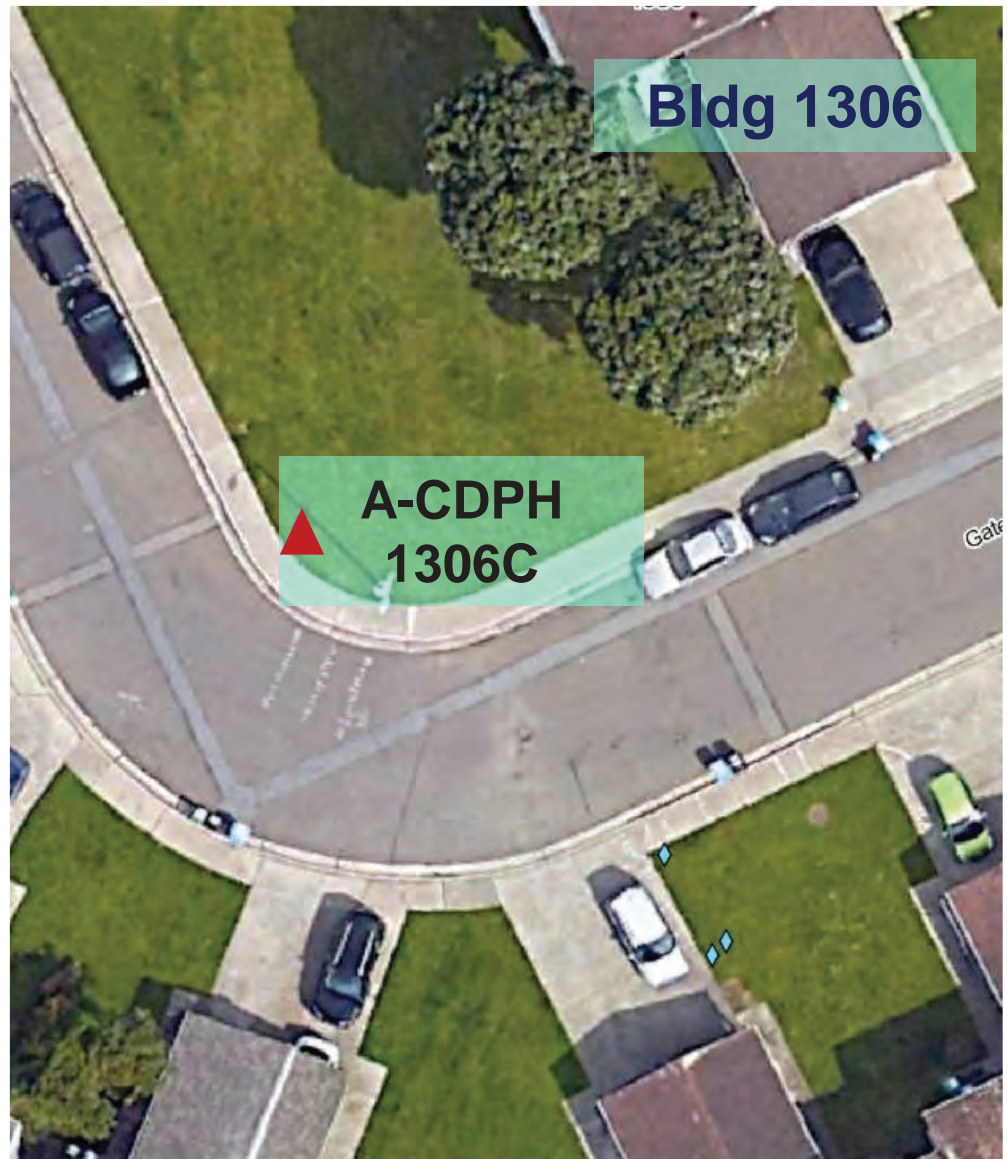


Bldg 1306 (Anomaly A-CDPH 1306C)

- March 2013: CDPH identified and removed an Octagonal radiological item as the anomaly source



- Samples collected from excavation bottom (16 inch depth) and scans of the excavation bottom after removal of the radiological item exceeded screening levels.





Anomaly A-G14

- Three radiological items were discovered during excavations in 2013



LLRO # 1284, 1285, 1286

- Sample collected at bottom of excavation (1.5 feet depth) had radium 226 concentration exceeding screening level



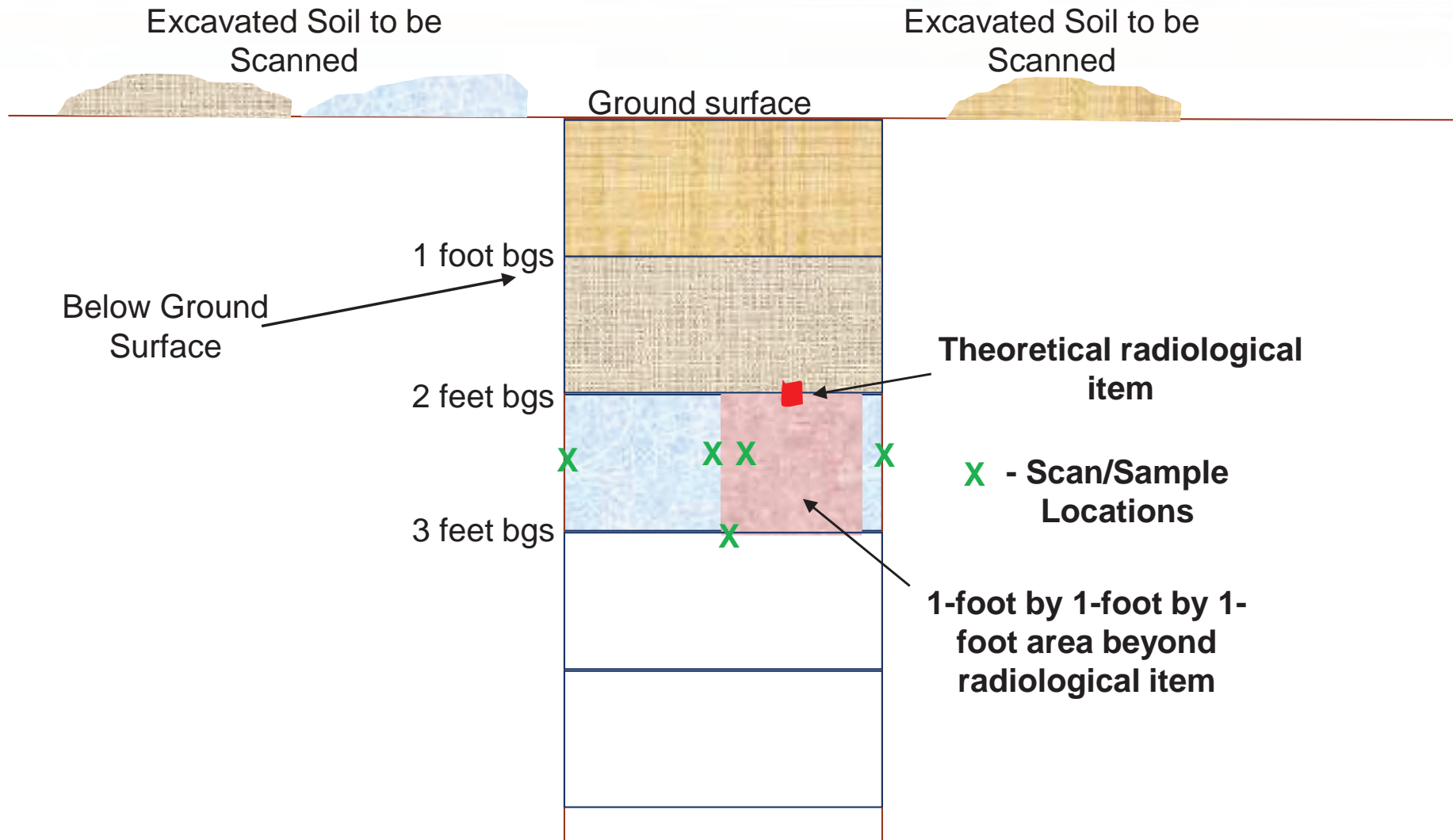


Areas of Interest - Investigation Approach

- Identify each anomaly location using GPS coordinates, field sketches, and/or pictures/figures included in historical documentation
- Establish a temporary radiologically controlled area (RCA) around each anomaly location
- Remove concrete or other hardscape, if present, at the anomaly location to allow for excavation
- Excavate 2 by 2-foot area in 1-foot increments



Areas of Interest - Investigation Approach





Areas of Interest - Investigation Approach

- If radiological item is detected remove the full extent of radiological material
- Remove a minimum of a 1-ft by 1-ft by 1-ft volume of soil around the around the radiological item
- Continue performing surveys within the excavation area to confirm all of radiological item has been removed
- Once confirmed excavation will be advanced at least 1 foot below the radiological item's location across the full 2-ft by 2-ft extent of the excavation
- If no radiological item is detected or found excavate to 1 foot beyond depth of previous exceedance



Areas of Interest - Schedule

- Fieldwork scheduled to begin in late March or early April 2021
- Duration of fieldwork is approximately 2 weeks
- Data from sampling available one month after fieldwork is completed
- Draft report scheduled to be issued in July 2021



Questions



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