Minor
OPERATION AND MAINTENANCE
Activity Plan

Install New Concrete Pad Near 291-H Stack for ICAM Pad Air Monitors
Site Indices 344, 549, and 591

Work Order # 01731583

Prepared by: _____ 02/01/2021
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Outside Facilities – H Area

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PMCS Planner
H Canyon

Approved by: _____ 02/01/2021
William Blackburn — Date
OF-H Generator Certification Official
H Canyon

Approved by: _____ 2/01/2021
Cecil Copeland — Date
OF-H Shift Operations Manager
H Canyon

Approved by: _____ 2.1.2021
Jewel Lenderman — Date
OF-H Radiological Protection
H Canyon

1. INTRODUCTION

This Operations and Maintenance (O&M) Plan is for further excavation of concrete, a "T" post and soil for the installation of a new concrete pad for the placement of an ICAM cabinet near stack 291-H. The remaining concrete, "T" post, and soil removal will be completed while protecting human health and the environment and minimizing the impact to long term characterization and remediation efforts. This is a "minor intrusive activity" because the excavation will disturb less than 10% of the surface area in the RCRA/CERCLA Unit as described in Reference 1.

2. AREA DESCRIPTION AND CONDITIONS

The work area is located adjacent to the 291-H stack, on its west side. This activity is within Site Index (SI) 549 (GENERAL SEPARATIONS AREA EASTERN GROUNDWATER OPERABLE UNIT, NO BUILDING NUMBER (NBN)) of the Federal Facility Agreement (FFA, Reference 2). It is also within 200 feet of SIs 344 (SANDBLAST AREA CMH-001, NBN) and 591 (H AREA PROCESS SEWER LINES AS ABANDONED, NBN).

3. O & M ACTIVITY

A. O&M Activity Description

The scope of this activity is to remove additional concrete, a "T" post and additional soil required to install a new concrete pad. The excavation will take place in a 6 ft by 6 ft area and will require an additional excavation not to exceed 2 ft depth. SRNS PMCS will perform the work in accordance with provisions outlined in Asset Suite Work Order #01731583 (Reference 3) and AHA #HCA-25157 Rev. 0 (Reference 4).

The activity occurs within a general SI and adjacent to several identified SIs. Work is expected to be completed by March 15, 2021. The replacement pad may be completed at another time.

THE DISPOSAL OF ANY SOIL AND/OR CONCRETE WILL BE PER THE GENERATION CERTIFICATION OFFICIAL (GCO), ENVIRONMENTAL COMPLIANCE AUTHORITY (ECA), AND RADIOLOGICAL PROTECTION (RP) DIRECTION.

B. O&M Activity Sampling and Monitoring for Health and Safety

The identified units are in the FFA because of possible radiological contamination from past releases from H-Area operations.

Radiological surveys will be required at the excavation site. If radiological contamination is encountered, RP will determine if protective equipment and personnel access restrictions are required.

Worker health and safety will be directed and controlled as required in the Assisted Hazard Analysis (AHA).

C. Health and Safety Plan

The health and safety concerns involve worker exposure to potential radiological contamination. RP shall provide for radiological monitoring during the excavation activities.

The work will be completed in accordance with the requirements stated in the AHA. The safety requirements and personal protective equipment described in the AHA are appropriate for the potential hazards related to the RCRA/CERCLA units.

A. Characterization and Sampling Plan for the Affected Area within the Unit

A soil sampling plan for work in this area has been prepared, and RP will conduct sampling of the soil excavated during this activity. If unexpected contamination is found, the SRNS On-Scene Coordinator (OSC) may request additional work scope and sampling from soil disturbed by the activity. Material removed as part of the excavation will be managed per the

Generation Certification Official (GCO), Environmental Compliance Authority (ECA), and the Radiation Control Official (GCO) direction

D. Contaminated Materials Management and/or Disposal

The disposal of materials generated during this activity will be contingent upon survey results. Clean waste originating from this job will be disposed of in accordance with guidance from RP, the Generation Certification Official (GCO), and the ECA.

E. Environmental Plans and Permit Modification Requests

This activity is not expected to involve other environmental plans / permits, required maintenance and inspections, or erosion control practices.

4. CONTINGENCY PLAN

During implementation of the activity, if the conditions change at any time such that the activity is no longer considered "minor" (as defined in Reference 1) or any other unanticipated event occurs, the Project Manager, the Project Construction Manager, or the ECA shall:

- Immediately notify the SRNS-OSC. If necessary, the SRNS-OSC will notify the DOE-OSC.
- Stop work, secure the area, contain and stabilize the area, and determine any necessary change to the activity plan.
- Notify the SRNS-OSC of the findings and proposed path forward. The SRNS-OSC will communicate the information to the DOE-OSC and obtain concurrence on the path forward.

5. DOCUMENTATION & REPORTING

H Canyon will transmit the following documentation to the SRNS-OSC within twenty days of the completion of the activity:

- The signed O&M plan
- Any sampling and characterization data collected

The following information is not expected to be generated by this activity, but, if generated, will be forwarded to the SRNS-OSC:

- The quantity (if any) of any contaminated materials generated, and
- The disposal location of any contaminated material, if generated.

Attachments

1. Drawing Showing Approximate Location of Excavation (Green Dot) and Specific Site Indices (Red Areas)
2. Aerial Image Showing Location 291-H Stack and Proposed Concrete Pad (Green Dot)
3. Photo Showing Physical Location
4. Sketch Showing Proposed Concrete Pad Location

References

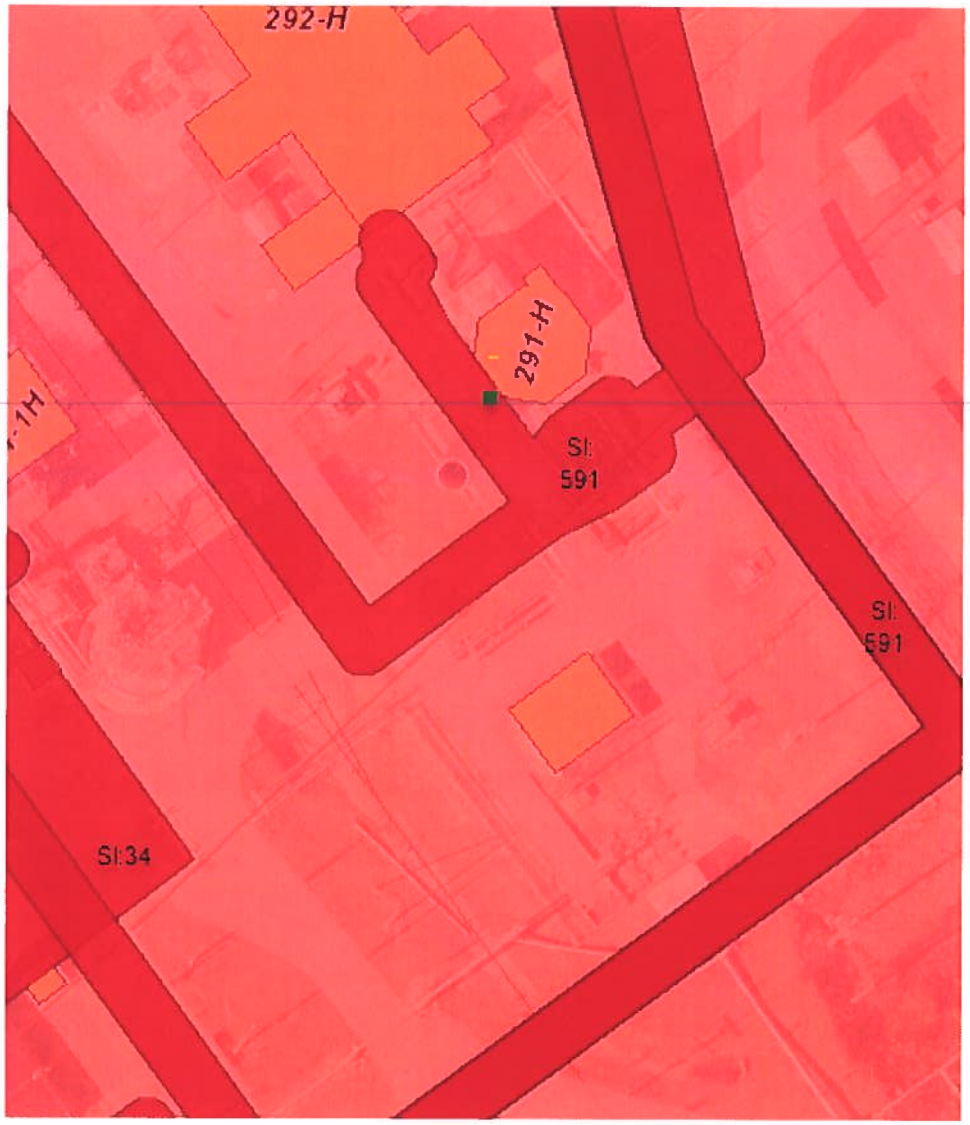
1. SRNS-RP-96-45, Savannah River Site Plan for Performing Maintenance in Federal Facility Agreement Area (O&M) Plan (U), December 15, 1996.

2. SRNS-OS-94-42, Federal Facility Agreement for the Savannah River Site, Administrative Document Number 89-05-FF, effective August 16, 1993, Revision 0 of Appendix C and Revision 0 of Appendix E for Fiscal Year 2020.

3. Asset Suite Work Order #01731583, created by Bryan Dixon

4. Assisted Hazard Analysis (AHA) #HCA-25157 Rev. 0, entitled "Removal of Found Wire Located Inside New ICAM Pour," modified by Bryan Dixon, on 11/13/19.

Attachment 1. Drawing Showing Excavation Site (Green Dot) and Specific Site Indices (Red Areas)

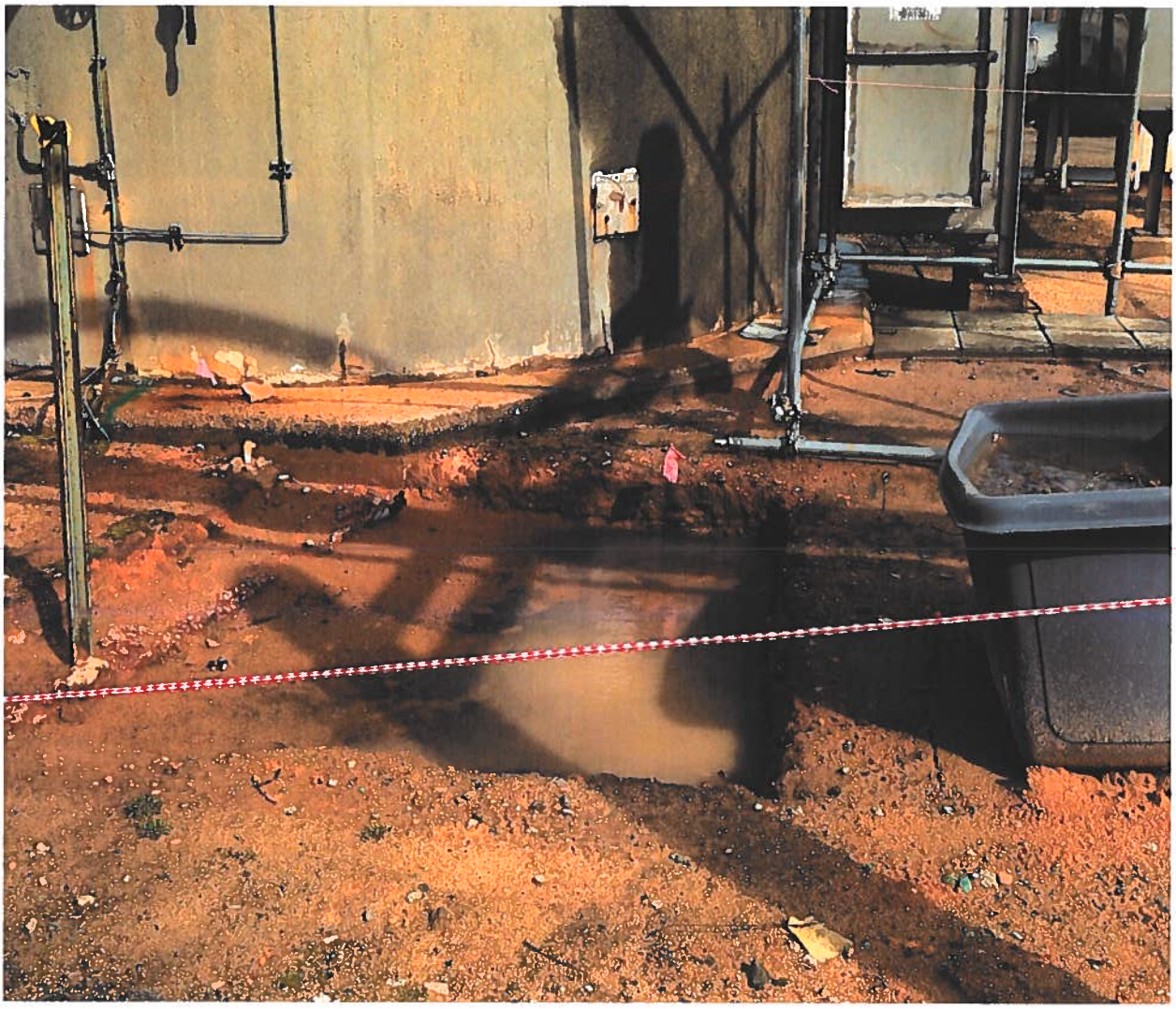


Note: The entire drawing is within SI 549.

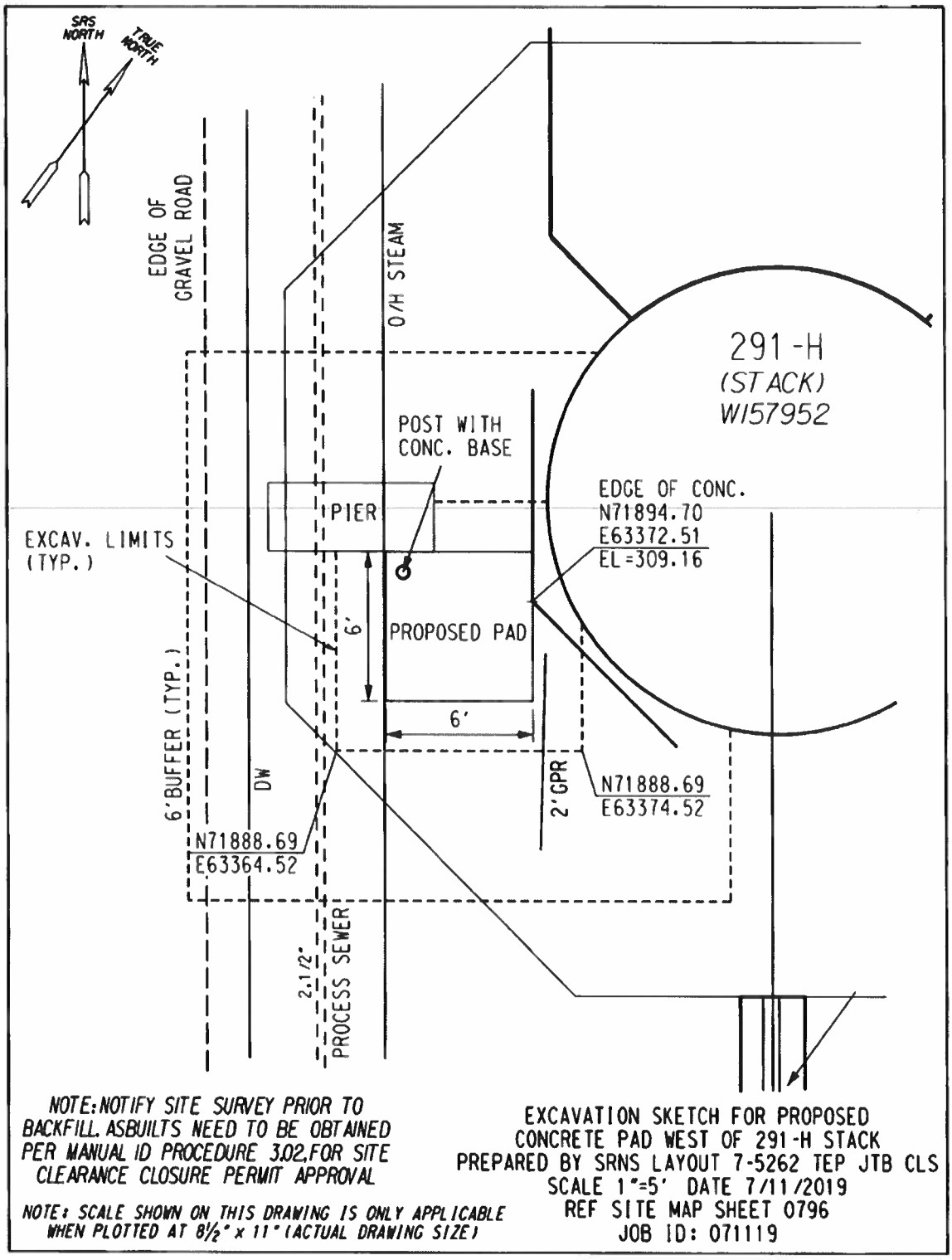
Attachment 2. Aerial Image Showing Location Excavation Site (Green Dot)



Attachment 3. Photo Showing Physical Location



Attachment 4. Sketch Showing Pad Location



FOR INFORMATION ONLY