

SECTION A. Project Title: Cell Site #6 Expansion, Revision 1

SECTION B. Project Description and Purpose:

Revision 1:

This revision of the Idaho National Laboratory (INL) Cell Site 6 expansion at the Critical Infrastructure Test Range Complex (CITRC) includes an updated site layout for Cell Site 6 based on the 90% design review.

- The grubbing plan will include 20' around the 100' pad and 22' around the secondary road.
- Excavation trench for electrical (portion outside of existing gravel pad).
- Clarification on additional gravel layout area 100' beyond the concrete pad/gravel area (Total 200' expansion + grade)

Figure 1, Rev 1: Grubbing plan (additional 20' around the gravel area and 22' for the road).

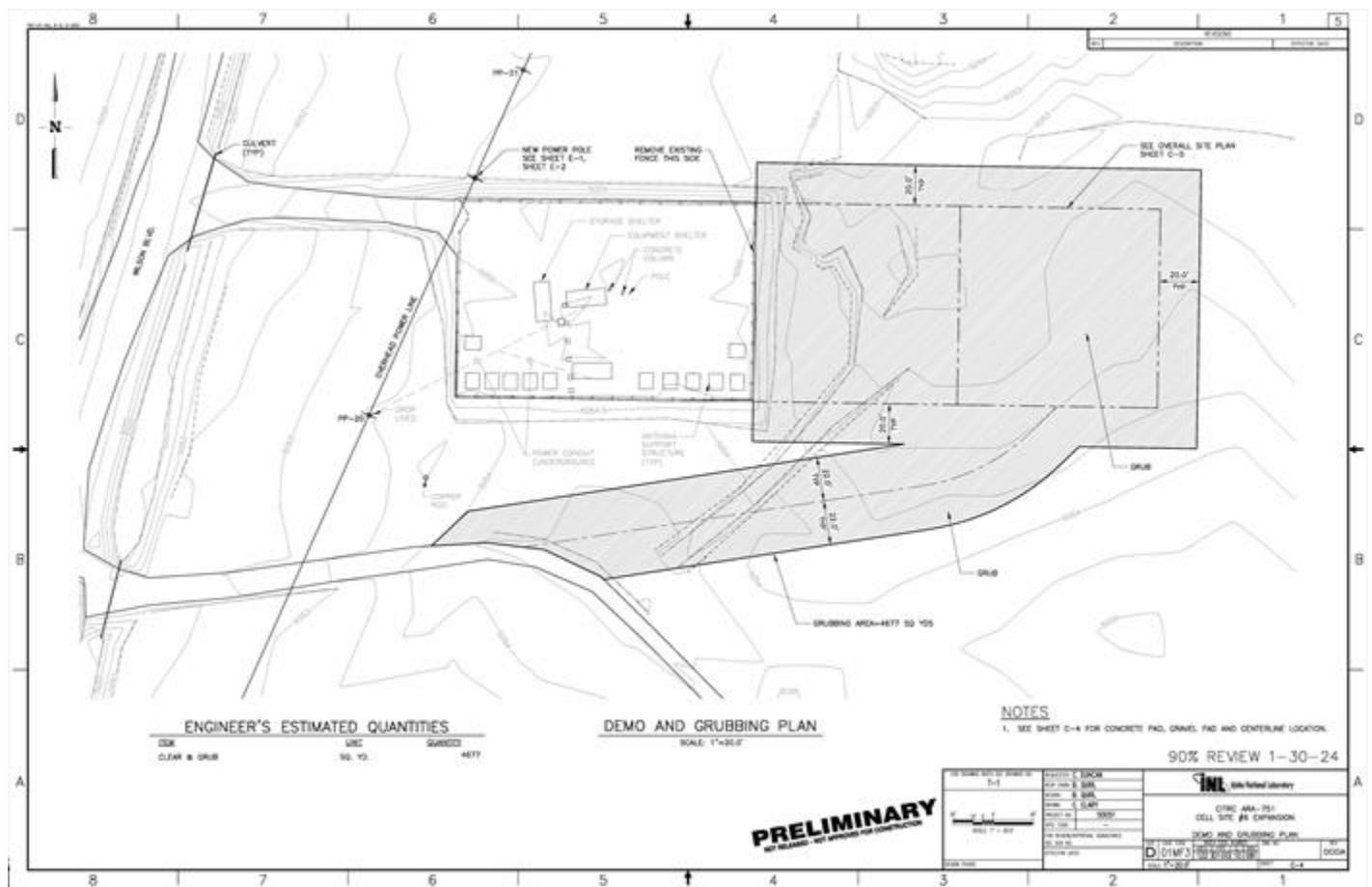


Figure 2, Rev 1: Excavation trench (electric) outside of existing gravel pad.

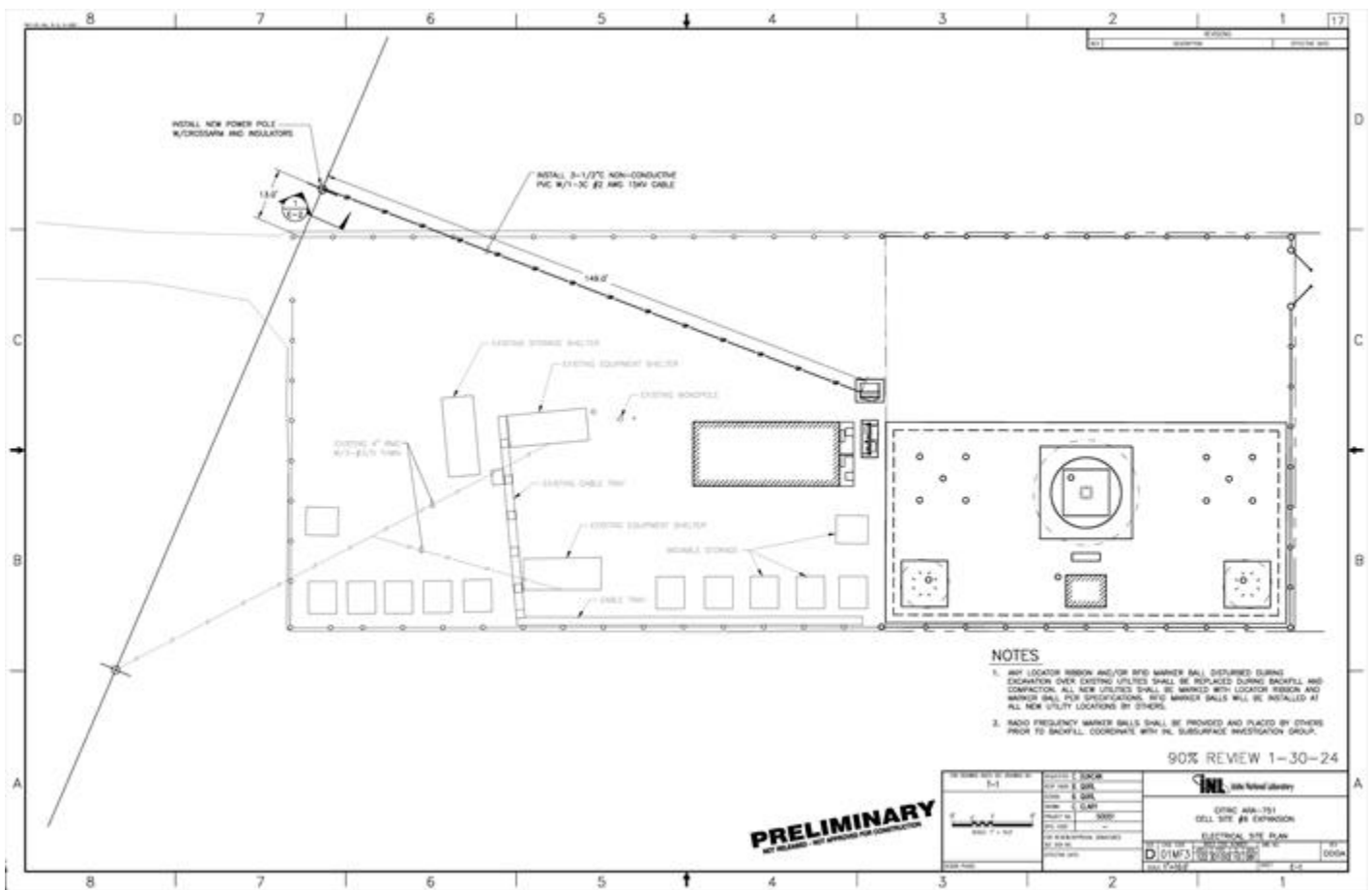


Figure 3, Rev 1: Pad Section

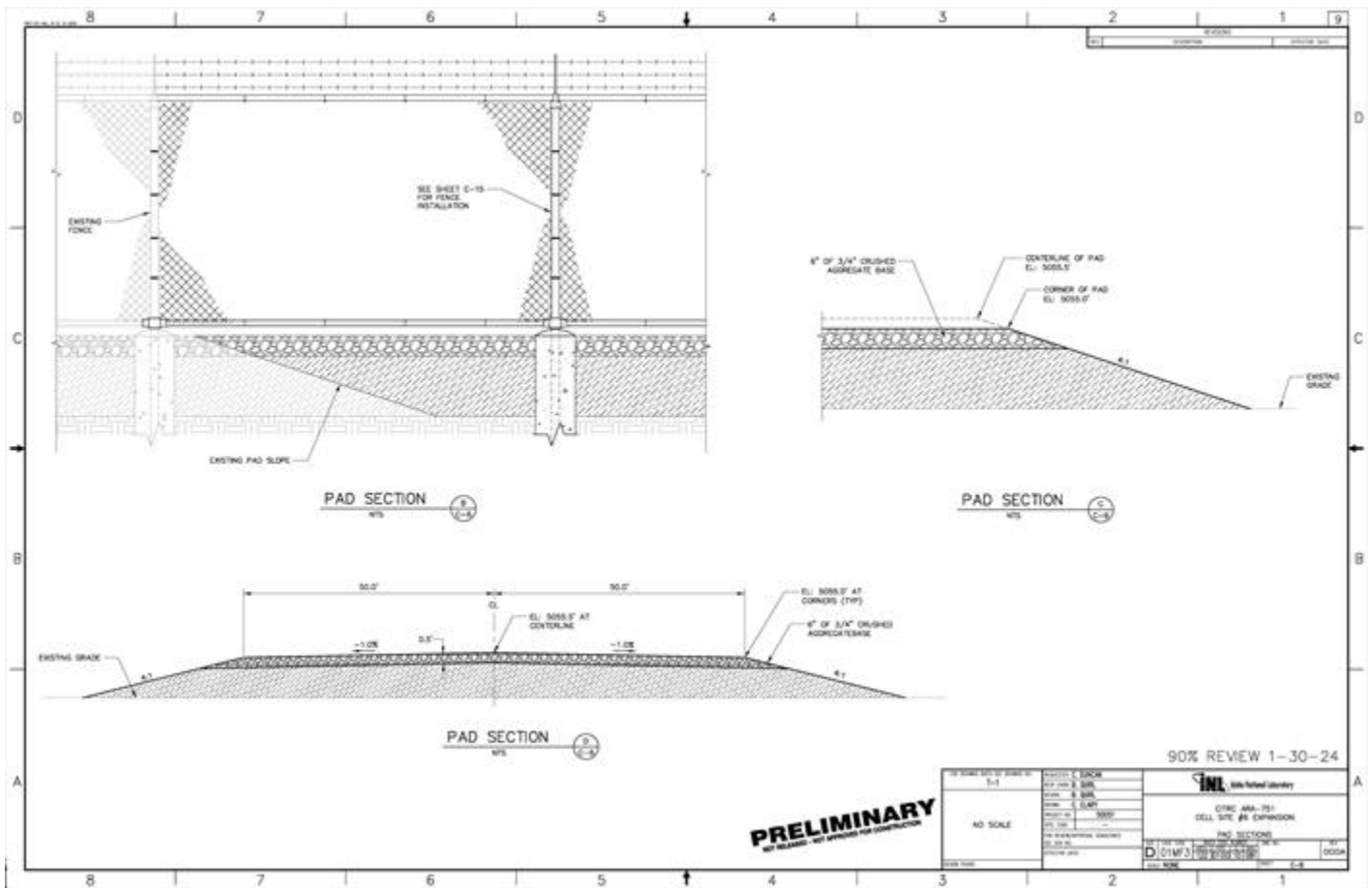


Figure 4, Rev. 1: Example of graded area



Original ECP:

An N&HS Sponsor requires a remote communications facility for testing and training at Cell Site 6 - INL/CITRC/ARA (43032'00"N 112049'50"W).

The work activity includes the following:

- Extend the existing gravel pad and security fence 100' to the East and provide a vehicle gate
- Install new concrete pads for communications equipment
- Provide electrical power to equipment, shelters, restrooms, and all necessary component
- Provide a portable restroom trailer
- Provide grounding for all new installations

- Provide communication and network connections
- Provide an ISO shelter approximately 16' x 40'

Construction activities will have the potential to generate fugitive dust emissions.

Clearing & grubbing of vegetation east of the existing cell site will be required, along with extension of secondary road for egress.

Two track roads will be utilized and extend the old ARA-III emergency access road for a secondary means of egress.

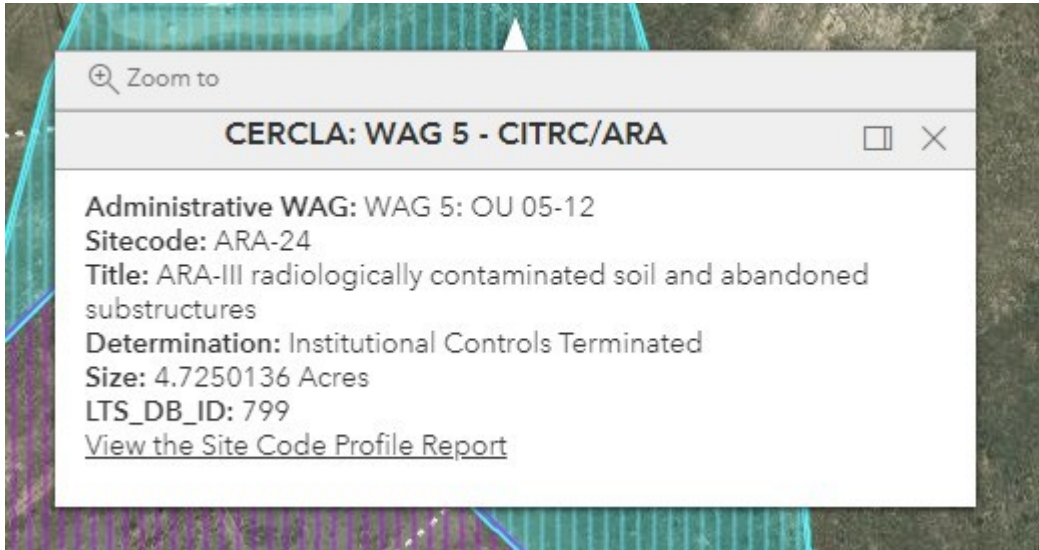
Waste generation will include industrial waste including concrete and rebar demolition debris, scrap metal, and electronic components could be generated.

Construction chemicals such as paint, fuels, lubricants, adhesives, etc., will be used during the project and for the emergency generator.

Figure 1, Original: Expansion Area



Figure 2, Original: CERCLA



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Air Emissions – Construction activities will have the potential to generate fugitive dust

Discharging to Surface-, Storm-, or Ground Water

No storm water concerns, this project is located outside of the boundary of the storm water corridor and therefore is not considered to have reasonable potential to discharge to “Waters of the U.S.”.

Disturbing Cultural or Biological Resources

There is the potential for this work to impact vegetation and for project personnel to interact with various wildlife species. A Biological Resource Review will be arranged within two weeks prior to the initiation of any activities that might disturb soil or vegetation and again following completion of project activities. A nesting bird survey is included with the Biological Resource Review for actions occurring between April 1 - October 1 per compliance with the Migratory Bird Treaty Act. Bat surveys are also included with the Biological Resource Review in accordance with the INL Bat Protection Plan.

SOIL/VEGETATION DISTRUBANCE:

Yes, clearing & grubbing of vegetation east of the existing cell site. Extension of secondary road for egress

TWO-TRACK ROADS:

Utilize and extend the old ARA-III emergency access road for a secondary means of egress

CULTURAL: A Section 106 review was completed under CRMO project number (BEA-23-21) and resulted in No Historic Properties Affected. Please refer to the Cultural Resource Review (CRR) (BEA-23-21) for details or Hold Points and Project Specific Instructions of the ECP.

Generating and Managing Waste

Industrial waste including concrete and rebar demolition debris, scrap metal, and electronic components could be generated.

Construction chemicals such as paint, fuels, lubricants, adhesives, etc., will be used during the project and for the emergency generator.

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil).

Using, Reusing, and Conserving Natural Resources

Project description indicates materials will need to be purchased or used that require sourcing materials from the environment. Being conscientious about the types of materials used could reduce the impact to our natural resources.

Environmental Justice

According to the CEQ Climate and Economic Justice Screening Tool, the INL site as well as the Research and Education Campus in Idaho Falls, ID are located in U.S. Census tracts that are identified as disadvantaged communities. Census tracts identified as disadvantaged meet or exceed socioeconomic, environmental, health, or demographic thresholds identified by CEQ. Given that activities analyzed in this document will happen within the boundaries of existing DOE/INL land and/or facilities where there are no permanent residents, any impacts to Environmental Justice in surrounding communities are anticipated to be negligible.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not “connected” to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References: B3.6 "Small-scale research and development, laboratory operations, and pilot projects"

Justification: B3.6 Siting, construction, modification, operation, and decommissioning of facilities for small-scale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

CX Posting No.: DOE-ID-INL-23-068 R1

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Robert Douglas Herzog, DOE-ID NEPA Compliance Officer on: 5/2/2024