

DOE NEPA REGULATIONS SUBPART D
CATEGORICAL EXCLUSION (CX) DETERMINATION - RFFO/CX16-94

Proposed Action: Solar Evaporation Ponds Pre-remediation Site Support Activities

Location: North Plantsite Area, Rocky Flats Plant, Golden, Colorado

Proposed By: U. S. Department of Energy, Rocky Flats Field Office

DESCRIPTION OF THE PROPOSED ACTION:

The Rocky Flats Field Office proposes to proceed with Operable Unit 4 (OU4) Phase 1 pre-remediation site support activities scheduled to begin prior to Phase 1 remediation the Solar Evaporation Ponds (SEP). These proposed pre-remediation site support activities include the following:

Install Vehicle Access Gates - Vehicle access gates are proposed to be installed at Portal #3 (near Buildings #792 and #792A) and at other locations (see figures) in the existing security fence for access to the SEP area during remediation activities. At Portal #3, access would be accomplished by constructing an 18 inch thick concrete roadway with motorized swing gates at both ends. Along with these gates, access to this roadway would be restricted by Jersey barriers and an aircraft cable barrier. Radiometric scanners would be located at the south gate, with 8 foot high security fencing paralleling both sides of the roadway. Locking swing gates would be installed on the north vehicle access road, and would be regulated by Wackenhut Services Inc. (WSI). There would be some removal of existing security fencing to make room for the gates and roadway. The proposed plans have been developed with input from WSI, Rocky Flats Vulnerability Assessment, Rocky Flats Safeguards and Security, and various site engineering disciplines.

The construction activities for the installation of vehicle access gates would include the strip-out of existing portions of perimeter fencing, installation of new vehicle gates and fencing with appropriate security controls, and installation of a concrete drive and sidewalks. Excavation activity for this project is estimated at 70 cubic yards of soil. Based upon the latest maps generated for the area, this is not believed to be an Individual Hazardous Substance Site. However, prior to excavation, this area would be analyzed through the standard Rocky Flats excavation permitting process. Soils removed from excavations are proposed to be temporarily stored in drums or crates on the 750 pad or another approved storage location. These soils are planned to be ultimately disposed of in the SEP area under the proposed engineered barrier over the remediated site or at another approved disposal site.

Installation of Security Fencing - The proposed action includes the installation of 1,800 feet of temporary construction security fencing around the remediation site for the duration of Phase I remediation. The chain link fence would be 8 to 12 feet high with three strand barbed wire on top. Approximately 11 cubic yards of dirt would be excavated for placement of about 150 fence posts. Prior to excavation, the area would be analyzed for an excavation permit. Soils removed from the excavations are proposed to be temporarily stored in drums or crates on the 750 pad or another approved storage location. These soils are planned to be ultimately disposed of in the SEP area during final remediation.

Placement of Support Structures - The proposed activity includes the placement of support/staging areas next to the construction site. The proposed activity includes six trailers, including a break trailer, shower trailer, mobile laboratory, project field office, and a change trailer.

Sewer, electrical, and other utility lines would be run to this area from existing lines. Telephone lines would be run to support these trailers if necessary. The amount of material (soils) to be excavated is to be approximately 90 cubic yards. For all excavation that takes place, an excavation plan would be written and approved prior to commencement of the excavation work. Soils removed from excavations are proposed to be temporarily stored in drums or crates on the 750 pad or another approved storage location. These soils would be ultimately disposed of in the SEP area proper under the proposed engineered barrier over the remediated site or other approved disposal site.

Excess Construction Material Removal - The proposed activity consists of the removal of wooden pallets, iron pipe, conduit and miscellaneous construction materials from around the solar ponds. Approximately 90 percent of the materials are estimated to be free of any hazardous or radiological contamination and upon completion of a final determination of free-release, the material would be removed to the Rocky Flats Property Utilization and Disposal yard for salvage or to the existing Rocky Flats landfill for disposal. The approximately 10 percent of this material that is estimated to be contaminated would be cleansed of any radioactivity, if possible, at the decontamination pad. Materials that cannot be decontaminated would be cut down in size, placed in drums or half crates and removed for interim storage at an approved Rocky Flats low level storage site. It is anticipated that the contaminated materials would ultimately be transported off site for disposal. No excavation is required for these activities.

Activity Schedules and Costs - The construction duration of the vehicle access gates is estimated to be 12 weeks and is anticipated to begin in August 1994. Security fencing is scheduled to be installed beginning in September 1995 and last about eight weeks. The construction duration of the placement of support structures is estimated to be 14 weeks beginning in May 1995. The construction duration of removing excess materials is estimated to be 8 weeks, and it is scheduled to begin in August 1994. The total estimated cost for all activities is \$2,432,000.

Categorical Exclusion(s) to be Applied:

B1.11 Installation of fencing, including that for border marking, that would not adversely affect wildlife movement or surface water flow.

B1.15 Siting, construction, and operation of small-scale support buildings and support structures (including prefabricated buildings and trailers) and/or small-scale modifications of existing buildings or structures, within or contiguous to an already developed area (where site utilities and roads are available). Covered support buildings and structures (and/or modifications) include those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; employee health services or recreation activities; routine maintenance activities; storage of supplies and equipment for routine maintenance activities; security (including security posts); fire protection; and similar support purposes, but excluding facilities for waste storage activities, except as provided in other parts of this appendix.

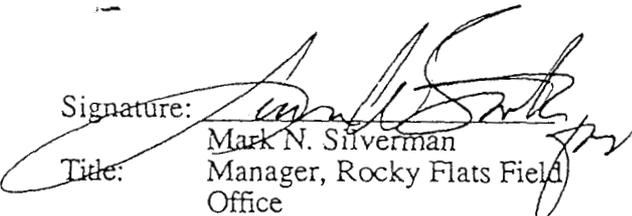
B1.3 Routine maintenance activities and custodial services for buildings, structures, infrastructures (e.g., roads), and equipment, during which operations may be suspended and resumed. Custodial services are activities to preserve facility appearance, working conditions, and sanitation, such as cleaning, window washing, lawn mowing, trash collection, painting and snow removal. Routine maintenance activities, corrective (that is, repair), preventive, and predictive (as defined in DOE Order 4330.4, Maintenance Management), are required to maintain and preserve buildings, structures, infrastructures, maintenance may result in replacement to the extent that the replacement is in kind and is not a substantial significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life.) Routine maintenance include but are not limited to:

(c) Routine decontamination of spot or minor contamination on surfaces of equipment, rooms, hot cells, or other interior surfaces of buildings (by such activities as wiping with rags, using strippable latex, and minor vacuuming) and removal of contaminated intact equipment (labware) and other materials (e.g., gloves and other clothing).

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Solar Evaporation Ponds Pre-remediation Site Support Activities

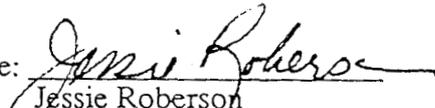
I have determined that the proposed action meets the requirements for a categorical exclusion as defined in the Subpart D of 10 CFR 1021. Therefore, I approve the categorical exclusion of the proposed action from further NEPA review and documentation.

Date: 7-29-94

Signature: 
Title: Mark N. Silverman
Manager, Rocky Flats Field
Office

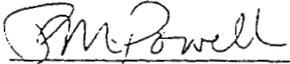
RFFO Project Sponsor:

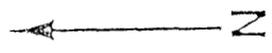
Date: 7/28/94

Signature: 
Title: Jessie Roberson
Acting Assistant Manager for
Environmental Restoration

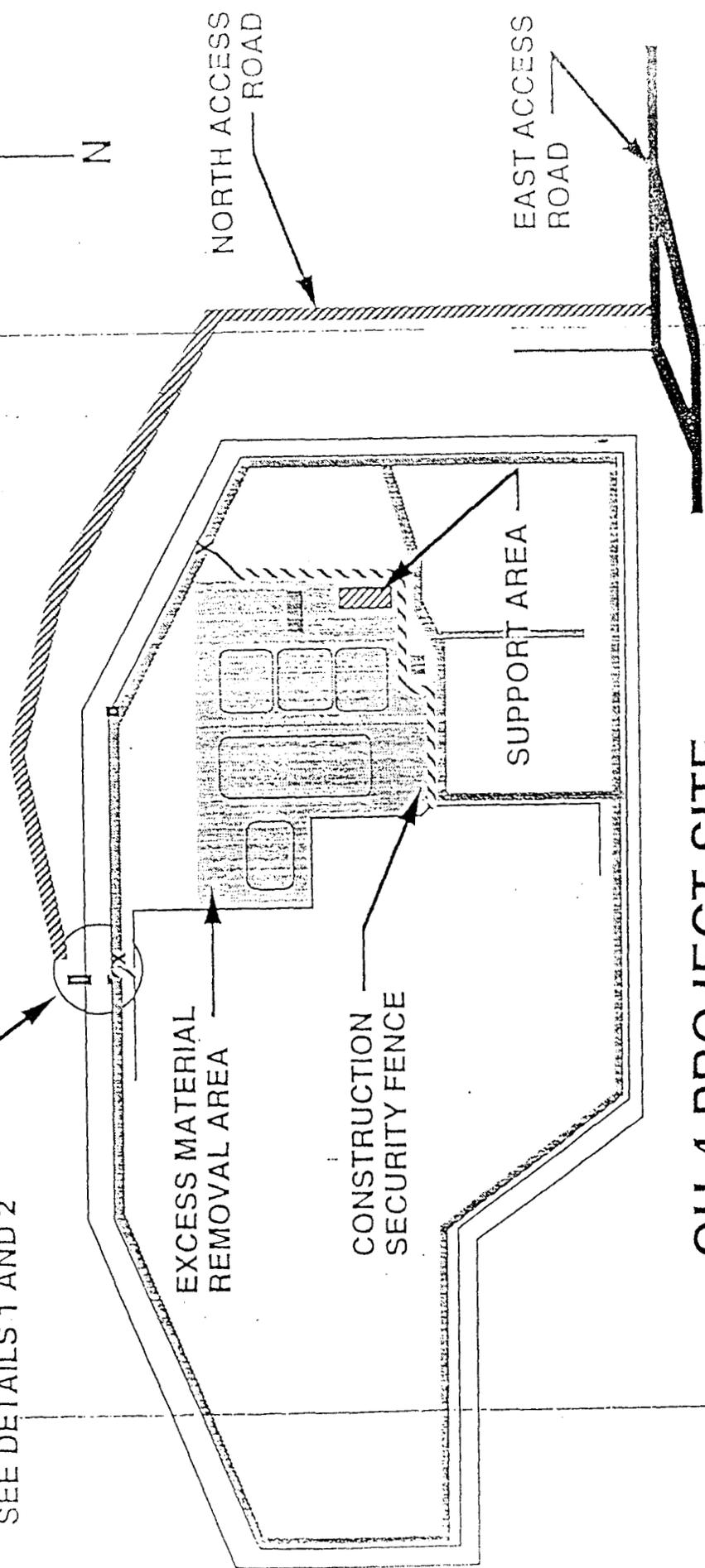
I have reviewed this determination and find that a categorical exclusion is the appropriate level of NEPA documentation.

Date: July 21, 1994

Signature: 
Title: Patricia M. Powell
NEPA Compliance Officer

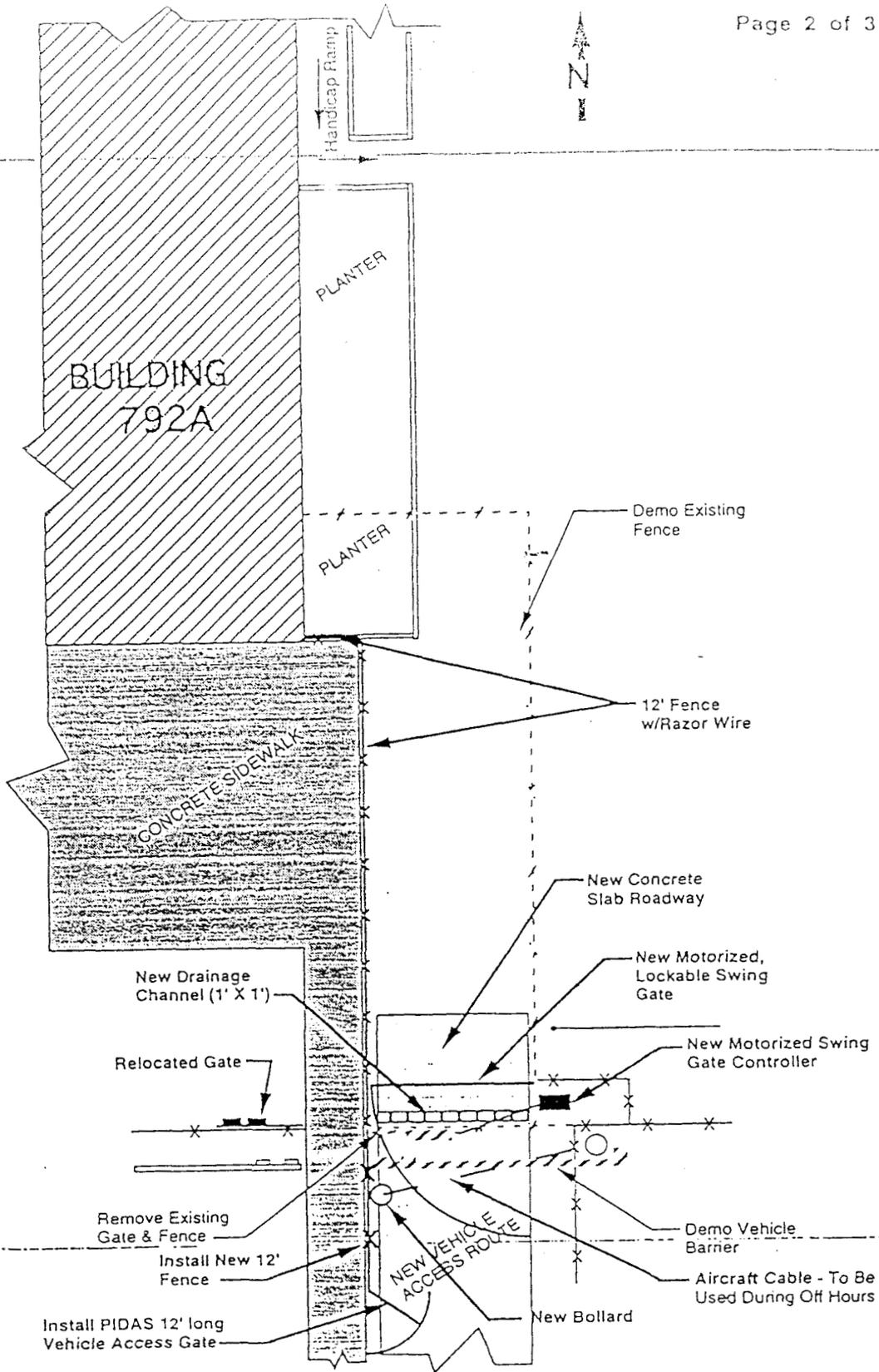
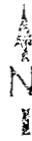


PAC's 3
VEHICLE ACCESS GATE
SEE DETAILS 1 AND 2

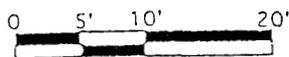


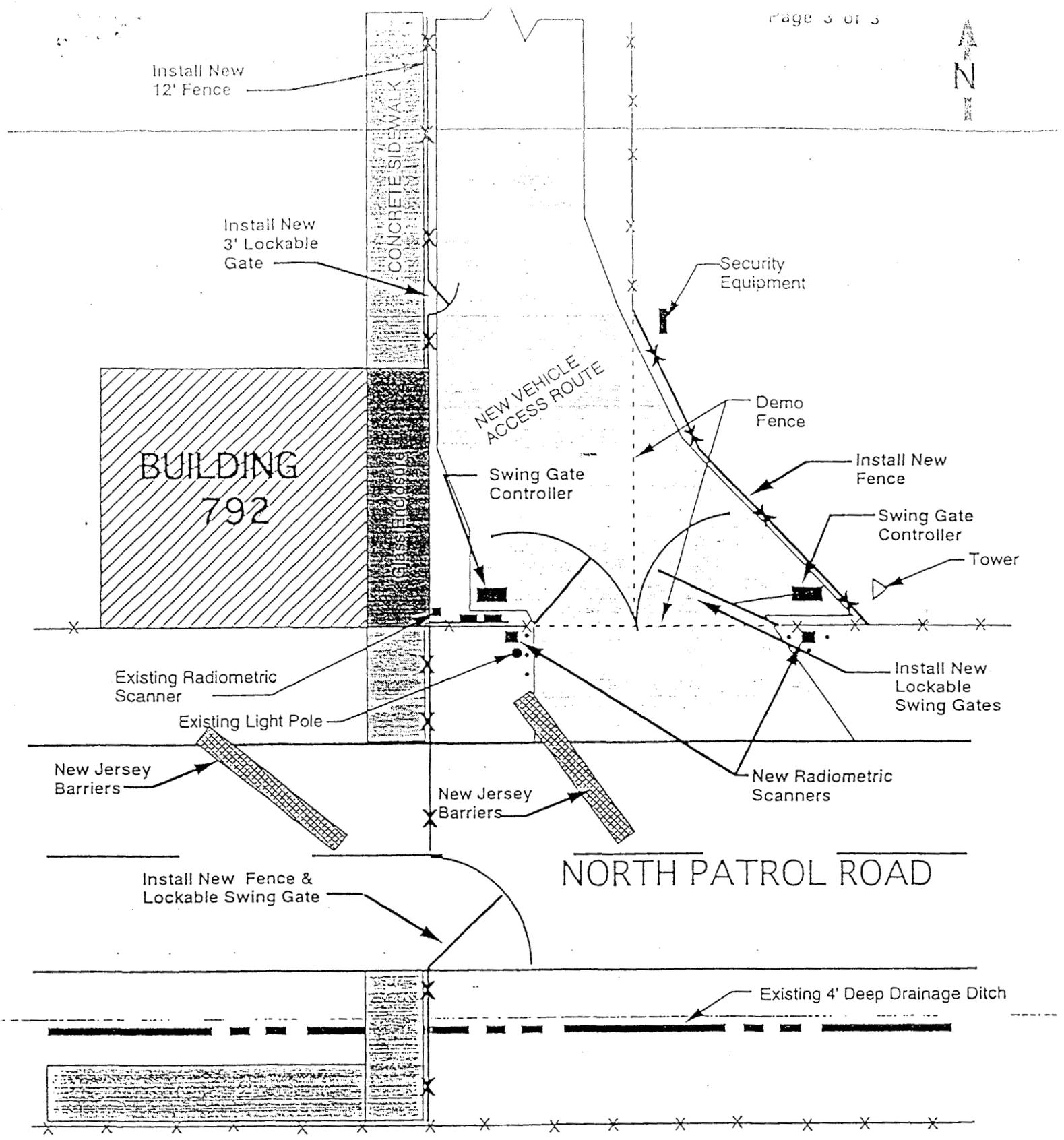
-  EXCESS MATERIAL REMOVAL AREA.
-  CONSTRUCTION FENCE
-  EXISTING ROADS IN PA
-  LOCKABLE SWING GATES
-  NORTH ACCESS ROAD
-  EAST ACCESS ROAD
-  SUPPORT AREA

OU-4 PROJECT SITE



DETAIL 1
BUILDING 792A - NEW VEHICLE GATE SITE PLAN





BUILDING 792

CONCRETE SIDEWALK

NEW VEHICLE ACCESS ROUTE

NORTH PATROL ROAD

DETAIL 2

BUILDING 792 - NEW VEHICLE GATE SITE PLAN

