6/10/97

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1st Notice

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Should you no longer **need** or do not **want** this MANUAL/PROCEDURE/PLAN, please return

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Document No		Document Title
RF/RMRS-96-0062	REV 0	Final Field Implementation Plan Fpr The Source Removal At The Mound Site IHSS 113

Instructions: **Remove and destroy page 7 and replace with new page 7**

Remove and destroy pages 20 and 36 and replace with new pages 20 & 20A and 36 & 36A

Remove and destroy Mound Site Treatment Area Map, Figure 2 4, dated March 13, 1997 and replace with Mound Site Treatment Area Map, Figure 2 4, dated June 10, 1997

Remove and destroy Mound Site Traffic Plan for Backfilling Activities, Figure 7 2, dated March 13, 1997 and replace with Mound Site Traffic Plan for Backfilling Activities, Figure 7 2, dated June 06, 1997

Signing Receipt Acknowledgement indicates you have read and understand the above documents
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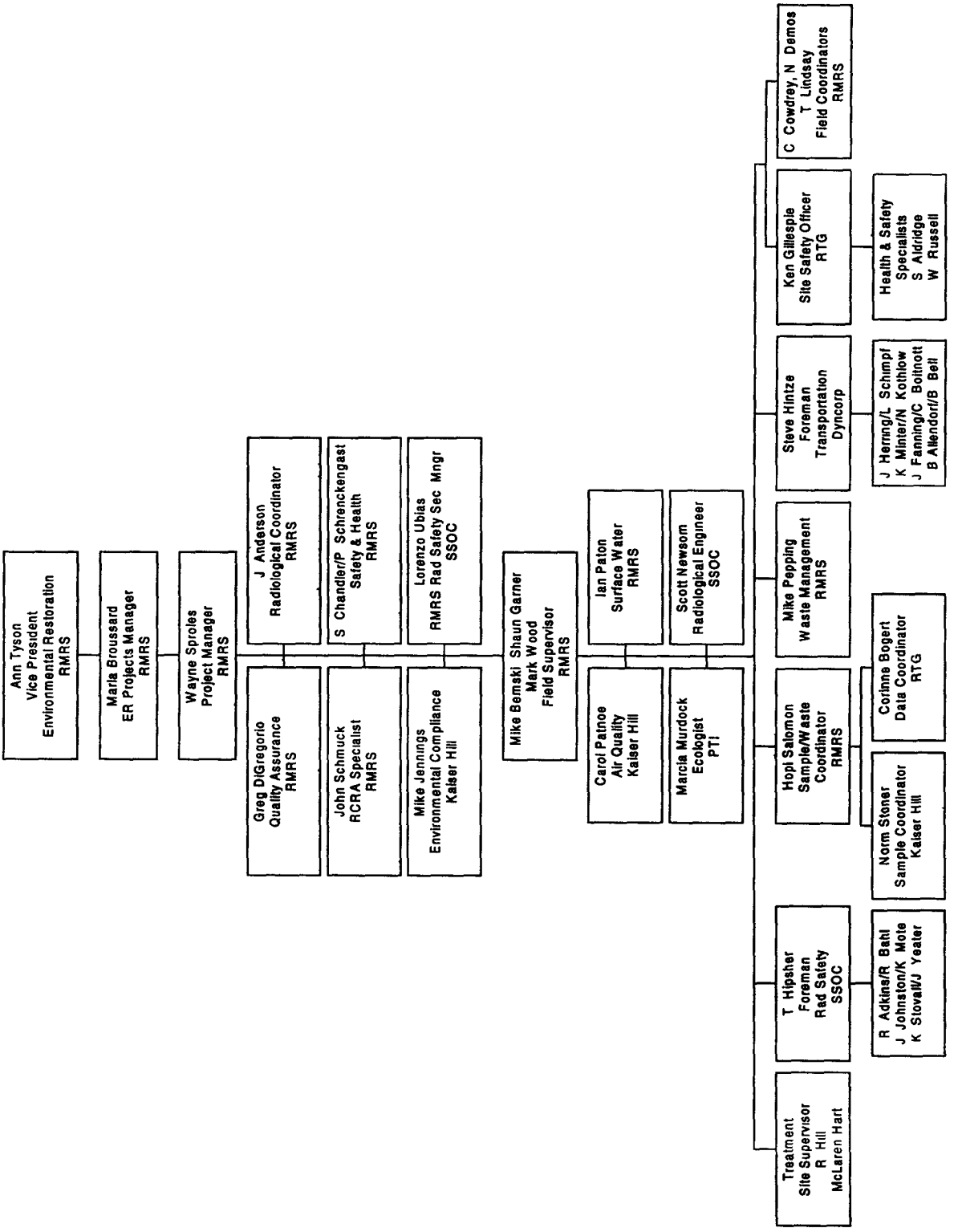
#1

Figure 3 1
Project Organization



7 1 2 SOIL TRANSPORT AND TRAFFIC MANAGEMENT

A 40 ton/20 cy^3 articulated dump truck (D400E or equivalent) will be utilized to transport contaminated soil from the excavation area to the CSFS Due to the location of the excavation and treatment areas, a portion of the existing paved road on Central Avenue will be utilized (Figure 2 1) Dust minimization techniques to be utilized during soil transport include monitoring wind speed per FO 1, applying potable water during soil excavation and loading to achieve a satisfactory moisture content but not to saturation, and reduce dump truck speed to five miles per hour The exterior of the dump truck will be visually inspected and cleared of any loose soil in the EZ/SCA prior to transport and radiologically surveyed prior to leaving the CRZ The dump truck will be visually monitored during transport to observe any potential spillage Any soil tracked onto the paved roadway during field activities will be cleared prior to reopening to RFETS traffic Worker and visitor parking will be by the ATM machine and on the north side of buildings T900D and B301 If there is no soil transport during treatment, workers and visitors can park on the south side of T900D

Traffic will be diverted to the south two lanes of the East Access/Central Avenue Road at points east and west of where the road splits from the rest of the roadway The northernmost westbound lane would be closed from the point to the east where the lane diverges to the point west of the Inner East Gate where the road rejoins the rest of the East Access/Central Avenue Road During normal work days, the northern most lane will remain open between 0630 and 0800 and 0500 to 1700 to address peak traffic flow The northern most lane would only be closed during periods of excavation between 0800 and 1500 or before or after peak traffic hours Excavation activities are scheduled to begin on an Alternate Work Schedule Friday, March 21, 1997 The northern most lane will be closed from approximately 0700 on March 21 through 1700 on March 23, 1997 Lane closure will be achieved by placing a lane closure sign, flashing barricades, and traffic cones as shown on Figure 7 1 Access to the sewage treatment plant and northeast access roads on the inside and outside of the Inner Perimeter Fence will not be blocked However, traffic will be controlled during soil transport by placing flagpersons approximately 100 to 200 feet north and south of the respective intersections to ensure safe movement of RFETS traffic and the articulated dump truck transporting contaminated soil as shown on Figure 7 1 Prior to reopening the north lane of the east access road the roadway will be cleared of any soil tracked onto the roadway

Traffic controls for the transport of treated soils for backfilling into the excavation will consist of flagpersons and temporary road closure traffic signs Figure 7 2 shows the traffic controls to be utilized during soil transport for backfilling Flagpersons will be stationed to provide safe movement of the dump truck(s) Traffic signs on the East Access road/Central Avenue will consist of a Road Work Ahead sign (1,500 feet from flagperson), a Flagperson sign (1,000 feet from flagperson), and a Be Prepared To Stop sign (500 feet from flagperson) Temporary road closures during truck transport will be approximately 5 to 10 minutes which

will occur from 0700 to 1630 on normal work days and from 0700 to 1530 on non-AWS fridays

7 1 3 MANAGEMENT OF INCIDENTAL WATERS

Incidental waters encountered as a result of storm water or groundwater entering and collecting in the excavation will be removed from the excavation if sufficient volume is present and transferred to an 1800 gallon incidental water holding tank adjacent to the excavation area The incidental water holding tank will be constructed with a sufficient secondary containment If sufficient storm water collects within the storm water containment berm on the north side of the excavation area, this incidental water will also be transferred to

9 0 WASTE MANAGEMENT

Several different waste streams will be generated during this project The waste streams identified include the following

Aqueous and Organic phase condensate, recovered during the TDU process

- Used PPE

Used filters

- Used Granular Activated Charcoal

Used Granular Activated Charcoal will be managed by the treatment subcontractor and regenerated If the Granular Activated Charcoal becomes radioactively contaminated during treatment, an RMRS waste generator will be responsible for proper management of the material in accordance with plant procedures (Radioactive Waste Packaging Requirements, 4-C77-WO-1101, Solid Radioactive Waste Packaging Outside of the Protected Area, 1-C80-WO-1102-WRT, Waste/Residue Traveler Instructions, 1-I34-WO-1103-NRWOL, Non-Routine Waste Origination Log Instructions)

9 1 DEBRIS MANAGEMENT

Debris may include an abandoned water line, any unexpected debris encountered during the excavation, and miscellaneous treatment debris Unexpected debris is an unexpected hazard or condition and will be addressed per the HASP (RMRS, 1997c) It is unknown if all the debris is radioactively contaminated or whether the various types of debris are contaminated with VOCs

Following excavation and during treatment, debris may be segregated into one of three categories

VOC-contaminated debris

Uncontaminated debris

Mixed/Low-level contaminated debris

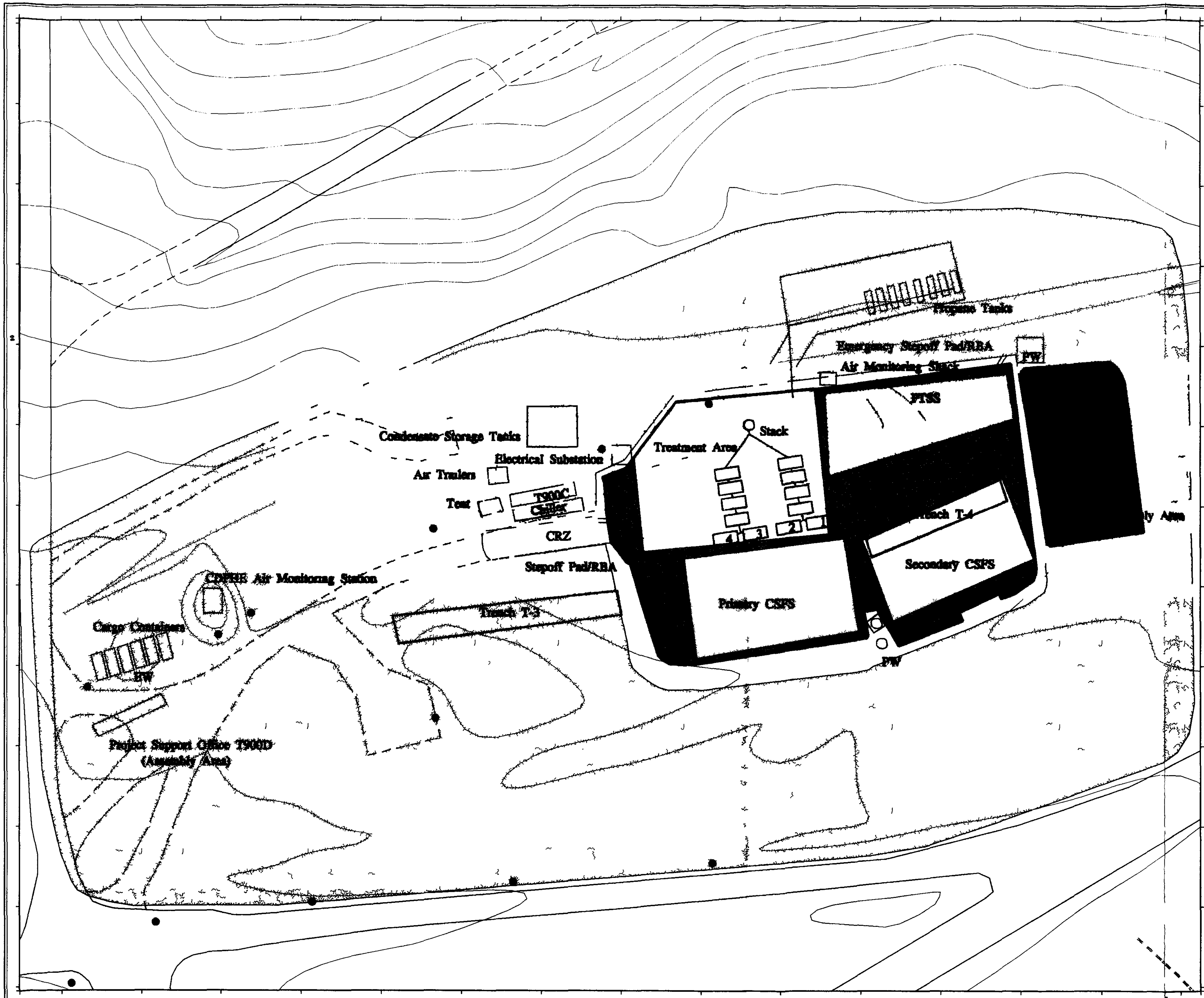
Debris contaminated with VOCs, or debris in which a representative sample could not be collected to assure the debris is VOC-free, will be processed in the TDU or containerized Debris that the field supervisor expects to be free of significant VOC contamination will be evaluated as such

Determine if organic vapors can be detected above background using industrial hygiene monitoring equipment

Determine if there is visible evidence of contaminant staining

Using the field supervisor's professional judgement, considering process knowledge, that the debris in question is contaminated with VOCs, the collection of samples for VOC analysis, or

Using the field supervisor's professional judgement, considering process knowledge, that the debris in question would be free of VOCs



Mound Site Treatment Area Map

Figure 2.4

EXPLANATION

- Power Poles
- Contours (5 intervals)
- Exclusion Zone/Soil Contamination Area Boundary
- Contaminatio Reduction Zone (CRZ)
- Exclusion Zone (Soil Contaminatio Area as required)
- Contaminated Soil Feed Stockpile (CSFS)
- Exclusion Zone (Soil Contamination Area)
- Preliminary Treated Soil Stockpile (PTSS)
- Final Treated Soil Stockpile (FTSS)

EW = Eye Wash
RBA = Radiological Buffer Area as required
PW = Potable Water for dust suppression
IW = Incidental/storm Water holding tank

Standard Map Features

- Lakes and ponds
- Streams, ditches, or other drainage features
- Fences
- Paved roads
- Dirt roads

Scale 1 880
1 inch represents approximately 73 feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by
RMRS Rocky Mountain Remediation Services, L.L.C.

MAP ID: 97-0125

June 10, 1997

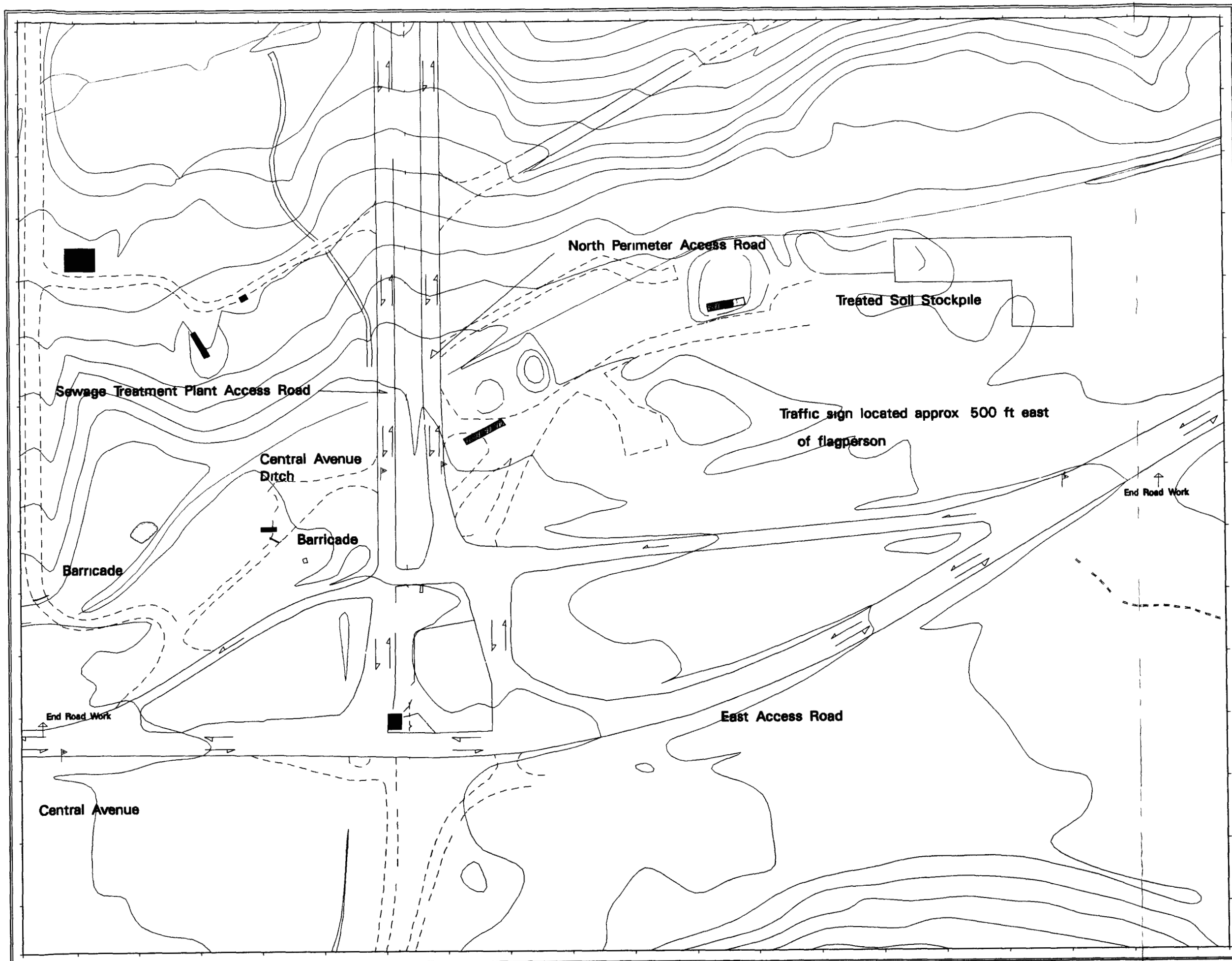


Figure 7.2
Mound Site
Traffic Plan for
Backfilling Activities

EXPLANATION

- Flagperson
- Road Sign
- Barricade
- Mound Site Excavation
- Trailers T900C & T900D
- Buildings or other structures
- Lakes and ponds
- Streams ditches, or other drainage features
- Fences
- Paved roads
- Dirt roads

DATA SOURCE
Buildings, roads, and fences provided by Facilities Eng EG&G Rocky Flats, Inc. 1991
Hydrology provided by USGS (date nknown)

Scale 1450
Inch represents approximately 21 feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by
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MAP ID: 67-0089
June 06, 1997