



State of New Mexico
ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
 P.O. Box 1663, MS/J-993
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7 May 1997



Mr. Mat Johansen, AIP POC
 U.S. Department of Energy
 Los Alamos Area Office
 528 35th Street, MS A316
 Los Alamos, NM 87544

RE: Department of Energy Oversight Bureau (DOE OB) Inspection Observations and Recommendations concerning NPDES outfalls scheduled for deletion through the Waste Stream Characterization Program at Los Alamos National Laboratory (LANL).

Dear Mr. Johansen:

The following NPDES outfalls are to be scheduled for deletion from LANL's NPDES permit through the Waste Stream Characterization Program. DOE OB and LANL ESH-18 staff completed non-regulatory inspections of these outfalls on the indicated dates and concur that they are no longer in use, with the exception of storm-water being routed to them via roof and storm drains. Additionally, DOE OB observations and recommendations for each outfall are listed on the following attachment. This inspection was requested by ESH-18 and a copy of this correspondence will be transmitted to ESH-18 staff.

If you have any questions please do not hesitate to call me at 672-0448.

Sincerely,

Steve Yanicak, LANL POC
 Department of Energy Oversight Bureau

SY:sy

Attachments

- cc: Ed Kelley, NMED, Director, WWMD
 John Parker, NMED, Chief, DOE OB
 Ralph Ford-Schmid, NMED, DOE OB
 Glen Saums, NMED, Program Manager, SWQB
 Barbara Hoditscheck, NMED, SWQB
 Nina Wells, NMED, SWQB
 Stu Dinwiddie, NMED, Program Manager, HRMB
 Steve Rae, LANL, Group Leader, ESH-18, MS K490
 Harvey Decker, LANL, ESH-18, MS K490

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DOE OB Inspection Observations and Recommendations

OUTFALL: 03A038

LOCATION: Building TA-33-114 (see TA-33 attachment)

DATE OF INSPECTION: 4-3-97

DELETION METHOD: The air conditioner condensate line and floor drains were plugged and capped, and a floor sump re-routed into a sanitary line to the SWSC.

OBSERVATIONS: All work needed to close this outfall from the interior of building was performed. This outfall will continue to receive storm-water from exterior roof and storm drains. These exterior sources are not known to be SWMUs or come in contact with any SWMUs. This outfall exits to a pipe that discharges to a tributary of Chaquehui Canyon. This outfall does not discharge to any known SWMUs immediately below or down-gradient of the pipe. It has not been officially determined whether future storm-water discharges from this outfall will be addressed under a general storm-water NPDES permit.

RECOMMENDATION: The DOE OB recommends that this outfall be taken off the industrial NPDES permit.

OUTFALL: 06A132

LOCATION: Building TA-35-87 (see TA-35 attachment)

DATE OF INSPECTION: 4-3-97

DELETION METHOD: All source sinks were removed with piping and all building outlets were plugged and capped. The photo/darkroom waste line was reconfigured to a rinse only line. This line will be connected to the sanitary line to the SWSC following a waste profile assessment. All photo-chemicals are now re-used and/or disposed of properly as hazardous waste. All the floor drains were re-routed into a sanitary line to the SWSC.

OBSERVATIONS: All work needed to close this outfall from the interior of building was performed. This outfall exits to a 6 inch white PVC pipe that discharges to Tensite Canyon south of Building TA-35-87. This outfall is still listed as SWMU 35-016(b) which formerly discharged photographic processing effluents. This outfall will continue to receive storm-water from exterior roof

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drains. These exterior sources are not known to be SWMUs or come in contact with any SWMUs. Additional SWMUs are known to exist in Tensite Canyon down-gradient of the pipe discharge area. It has not been officially determined whether future storm-water discharges from this outfall will be addressed under a general storm-water NPDES permit.

RECOMMENDATION: The DOE OB recommends that this outfall be taken off the NPDES industrial permit. Because this outfall is a SWMU, the DOE OB additionally recommends that the pipe and the area immediately below the outfall be investigated for contamination before storm-water is freely allowed to be discharged. If such investigation results show that soils or sediments are impacted, we recommend that this outfall not be used for storm-water discharges because this would cause migration of contaminants down-gradient. In addition, we also recommend the implementation of best management practices such as run-on controls in order to divert any storm-water away from SWMUs directly below and down-gradient of the outfall pipe.

OUTFALL: 04A101

LOCATION: Building TA-40-9 (see TA-40 attachment)

DATE OF INSPECTION: 4-17-97

DELETION METHOD: The eyewash station and source sink were removed with piping and all building outlets were plugged and capped. The water heater and all laser cooling lines were reconfigured to a recirculating closed-loop system. All floor drains were plugged and capped.

OBSERVATIONS: All work needed to close this outfall from the interior of building was performed. This outfall exits to a 6 inch white PVC pipe that discharges to Pajarito Canyon south of Building TA-40-9. This outfall will continue to receive storm-water from exterior roof and storm drains. These exterior sources are not known to be SWMUs or come in contact with any SWMUs. It has not been officially determined whether future storm-water discharges from this outfall will be addressed under a general storm-water NPDES permit. This outfall does not discharge to any known SWMU immediately below the pipe, but directly down-gradient exists SWMU 40-009, an old landfill that contains debris from the decommissioning of buildings at TA-15. It could not be determined during the inspection if discharges from outfall 04A101 run-on to SWMU 40-009.

RECOMMENDATION: The DOE OB recommends that this outfall be taken off the industrial NPDES permit. Because this outfall potentially discharges to a down-gradient

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SWMU, the DOE OB additionally recommends that a determination be made if storm-water discharges from this outfall produce run-on to SWMU 40-009. If such run-on occurs, we recommend that this outfall not be used for storm-water discharges. In addition, we also recommend the implementation of best management practices such as run-on controls in order to divert any storm-water away from SWMUs directly below and down-gradient of the outfall pipe.

TA-33

- Canyon Rim
- Material Disposal Area
- Unimproved roads
- Paved roads
- Permanent structure
- Underground structure
- Temporary structure
- Former structure

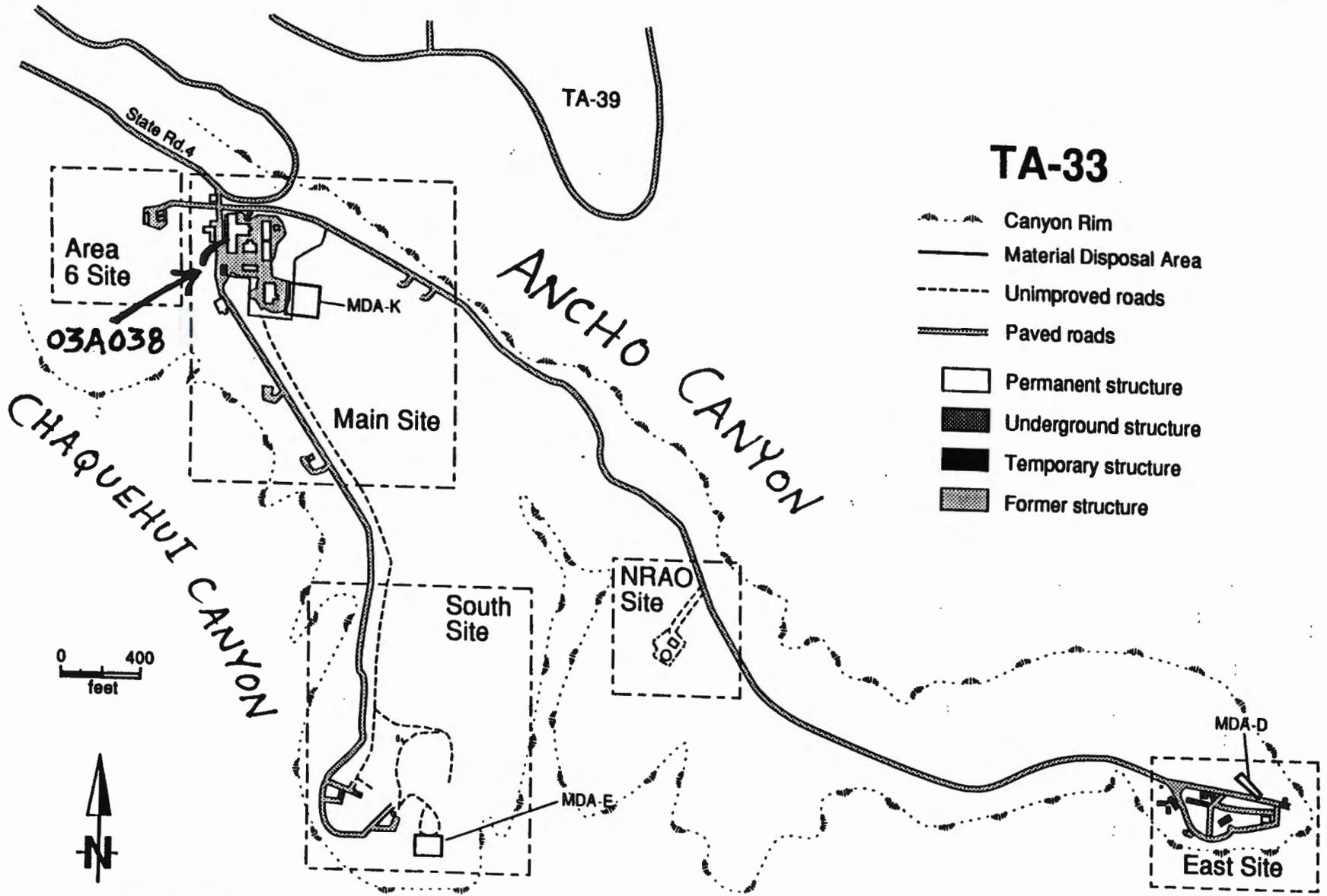


Fig. 3-1. The five major locations at TA-33.

RFI Work Plan for OU 1122

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May 1992

TA-35 EAST

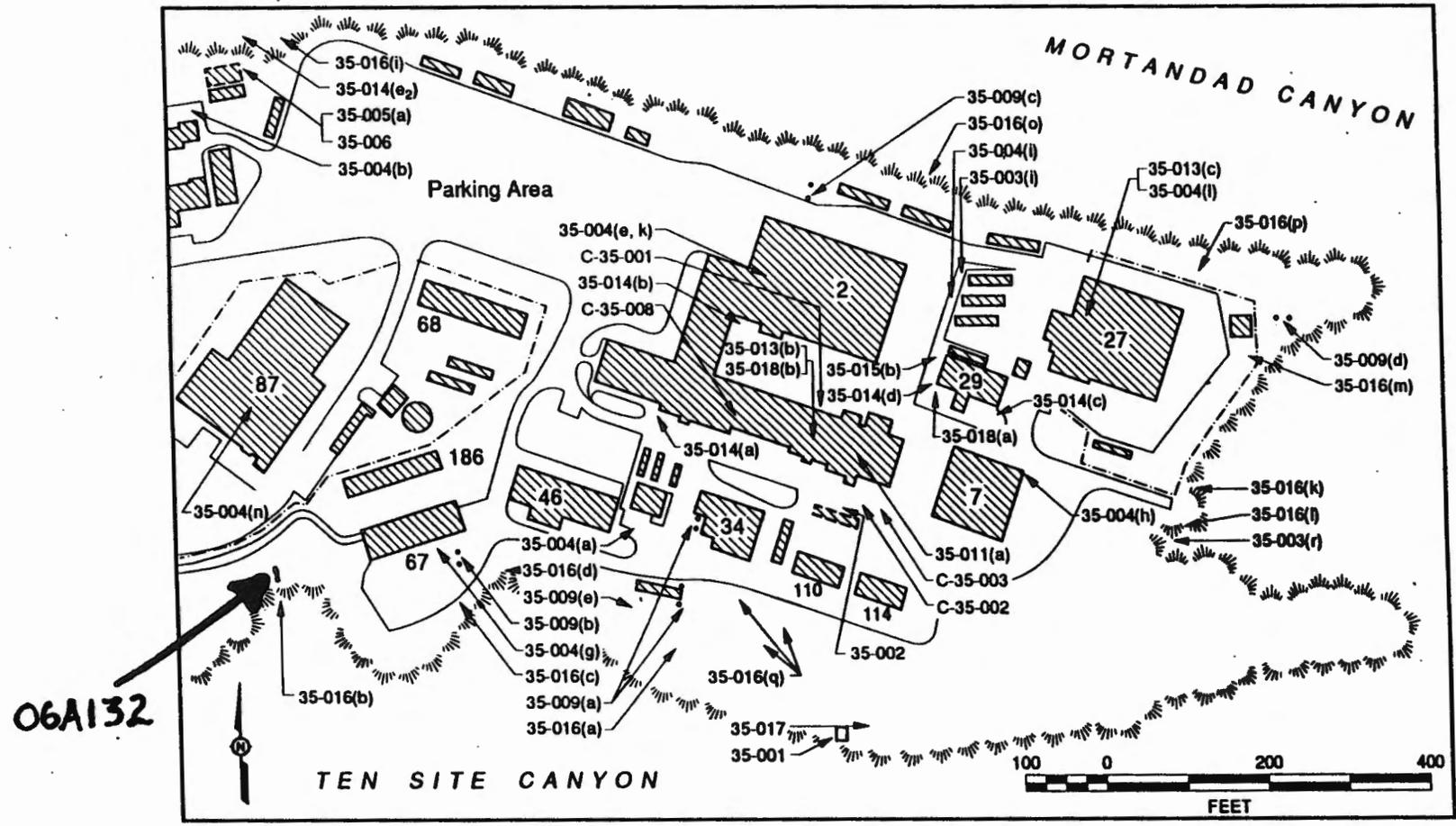
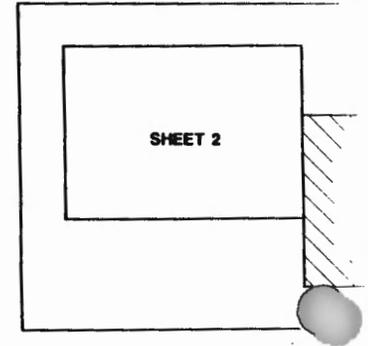
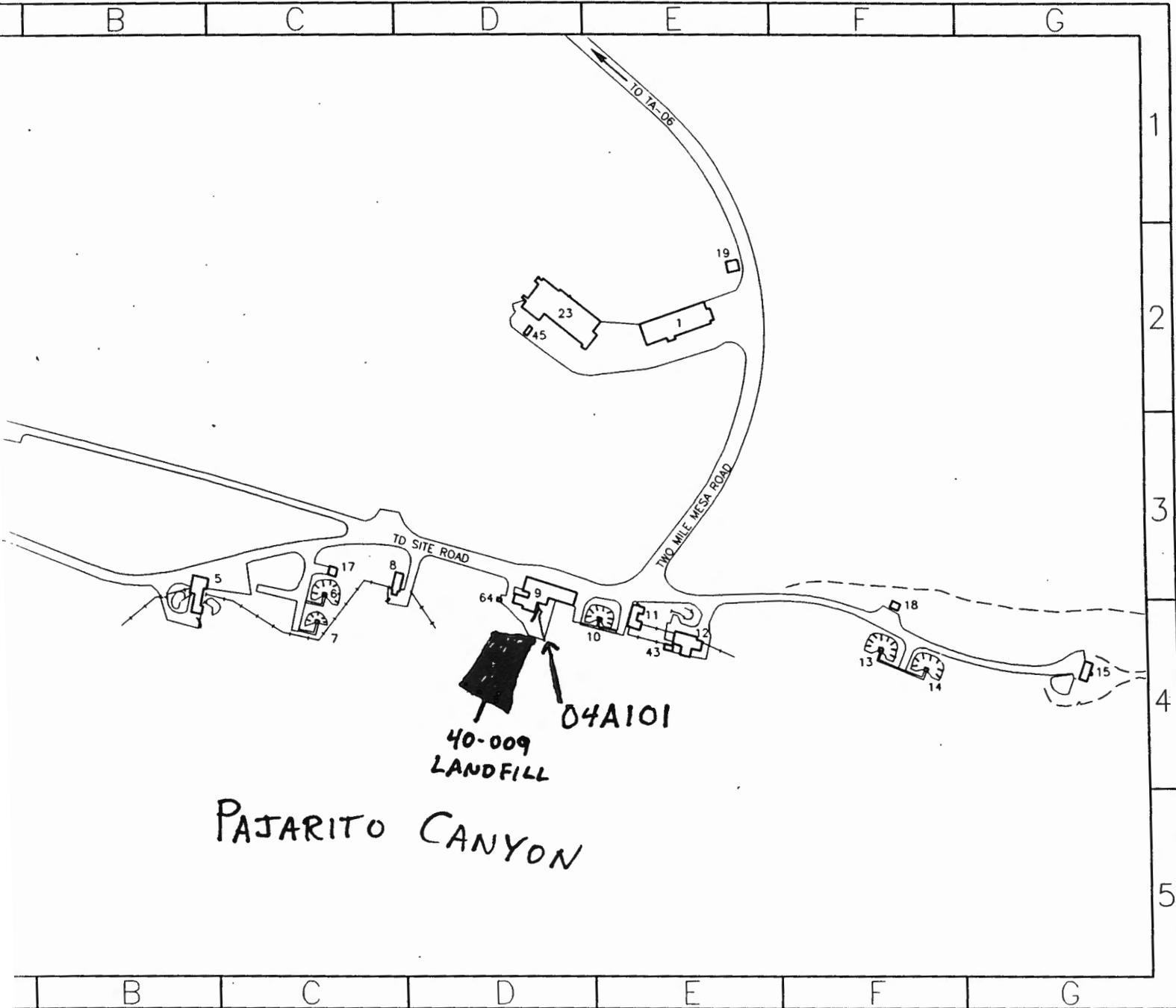


Figure 3-3. Locations of structures and SWMUs at TA-35 (LANL 1986, 04-0249).

TA-40

TA-40 MAP GUIDE



NO.	DATE	CLASS REV.	REVISION

FACILITIES ENGINEER

STRUCTURE LOCATION

TA-40