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RECORD DESIGNATOR 0A1 L

REV	DESCRIPTION	DATE	DRAWN	CHKD	APPR	VER'D	L.S.E.	S.M.	C.S.	D.M.
00	INITIAL ISSUE	07/28/97	CAD	CAD	LG	N/A	ACS		CS	JJS

APPROVALS	INITIAL/DATE
DRAWN J OLSEN	7/28/97
ORIGINATOR C GORRELL	CAD 7/28/97
CHECKED J PETERS	JP 7/28/97
VERIFICATION N/A	N/A
LEAD DESIGN ENGINEER R SAUNDERS	ACS 7/28/97
QUALITY ASSURANCE S DANA	SD 7/28/97
DEPARTMENT MANAGER K BHATTACHARYYA	KB 7/28/97

U.S. DEPARTMENT OF ENERGY
Yucca Mountain Site Characterization Project
M&O Civilian Radioactive Waste Management System
MANAGEMENT & OPERATING CONTRACTOR

REPOSITORY DESIGN
USABLE EMPLACEMENT AREA
FOR 70,000 MTU
PLAN

SIZE	DOCUMENT IDENTIFIER	CI IDENTIFIER	DRAWING NO.	REV
D	BCAA00000-01717-2700-81025		00	

SCALE NOTED | QA CLASSIFICATION 0 | U.S.C. 1:2.4 | CAD FILE R1MINE:81025 | CAGE CODE

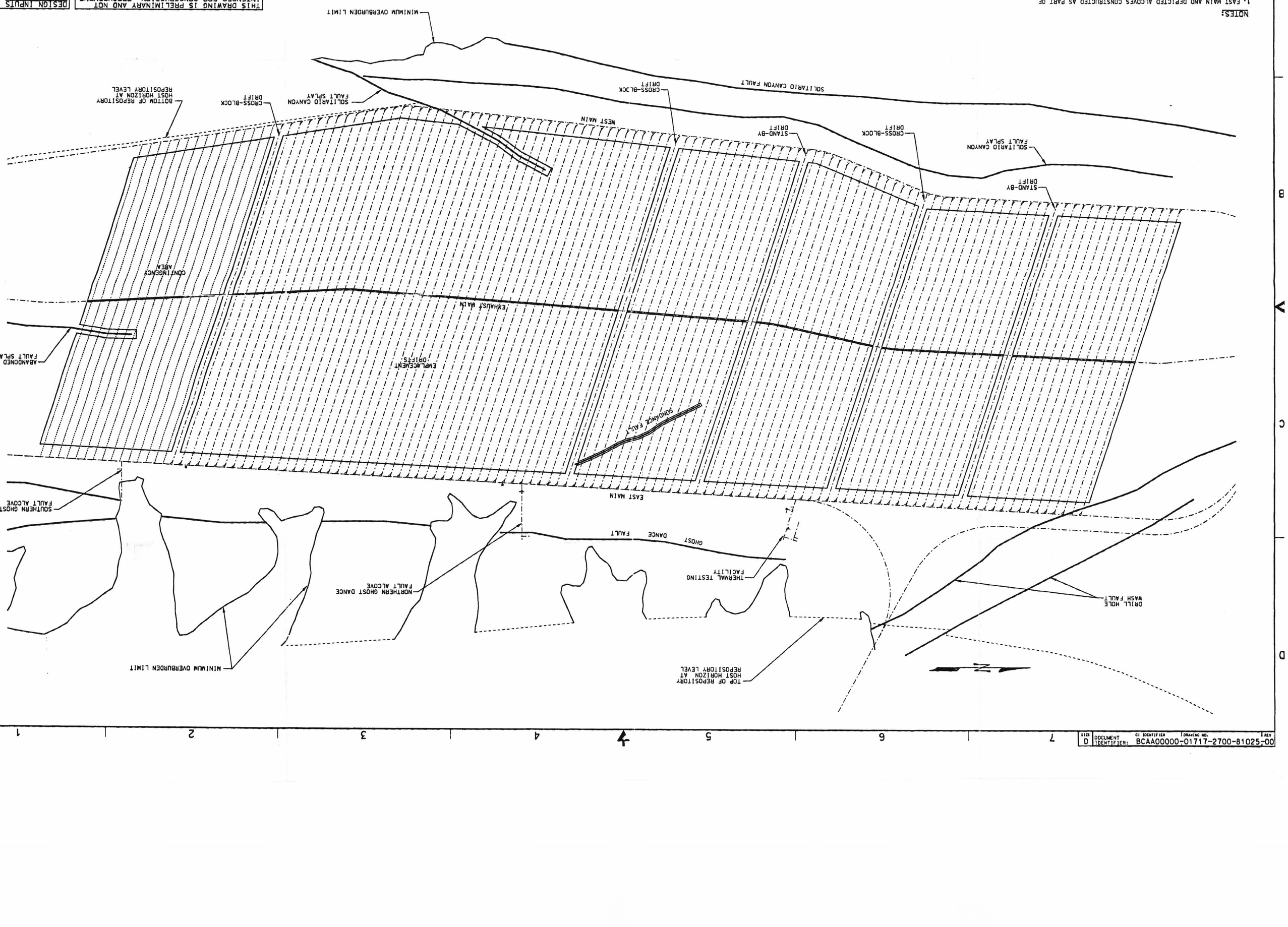
THIS DRAWING IS PRELIMINARY AND NOT INTENDED FOR CONSTRUCTION. PROCUREMENT OR FABRICATION.

DESIGN INPUTS
SEE DRAWING INPUTS LIST

ANSI/C APERTURE CARD

NOTES:
1. EAST MAIN AND DEPICTED ALCOVES CONSTRUCTED AS PART OF EXPLORATORY STUDIES FACILITIES. REMAINING OPENINGS HAVE YET TO BE CONSTRUCTED.
2. SPACING OF EMPLACEMENT DRIFTS IS 28 m.
3. USABLE EMPLACEMENT AREA FOR 70,000 MTU IS 747 ACRES AT 85 MTU/ACRE. CONSIDERING THAT THE DEFENSE HIGH LEVEL WASTE PACKAGES FIT BETWEEN THE 63,000 MTU OF COMMERCIAL SPENT NUCLEAR FUEL WASTE PACKAGES.
4. BLOCK AREAS REPRESENT USABLE EMPLACEMENT SPACE ACCOUNTING FOR STANDOFF DISTANCES AND EMPTY DRIFTS NOT USED FOR EMPLACEMENT.
5. USABLE EMPLACEMENT AREA IN CONTINGENCY AREA IS 107 ACRES FOR SAME CONDITIONS AS NOTE 2.

GRAPHIC SCALE
0 50 100 200 300 400 m
1 : 5000



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