

**ER'S CERTIFICATION**

ARIZONA P.E. 18782

DATE: OCT 24 1994

# PEABODY COAL COMPANY

**BLACK MESA-KAYENTA MINE  
P.O. BOX 625  
KAYENTA, ARIZONA 86033**

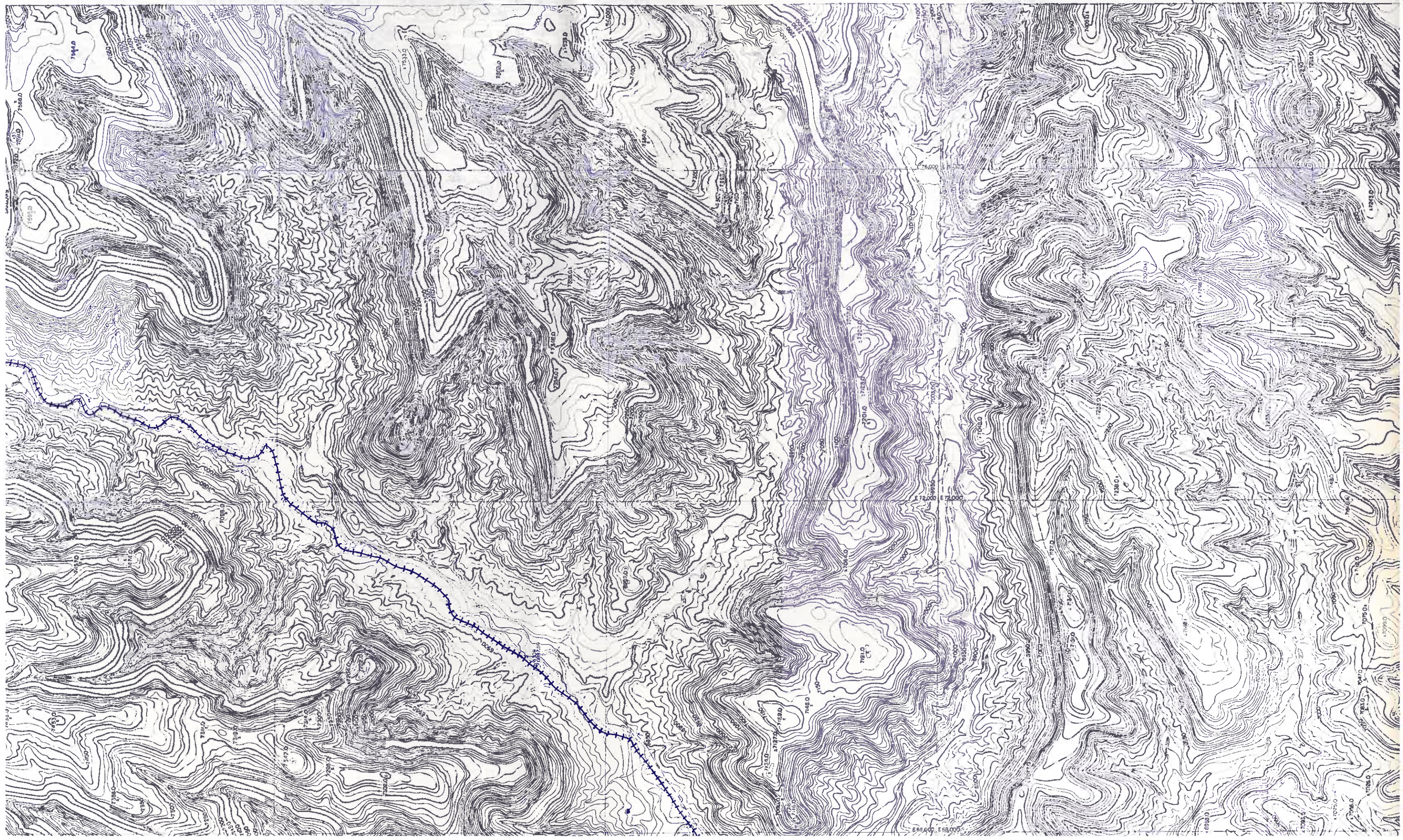
**BONDING MAP**

PCC	JGS 10-90	ROADS
PCC	JGS 6-17-91	Tr. 23-24 HAUL RD
GY	JGS 9-15-91	STIPULATION # 14
LAB	JSS 11-03-92	PERMIT ORDER 1
DATE		ISSUED
SCALE	1" = 10'	

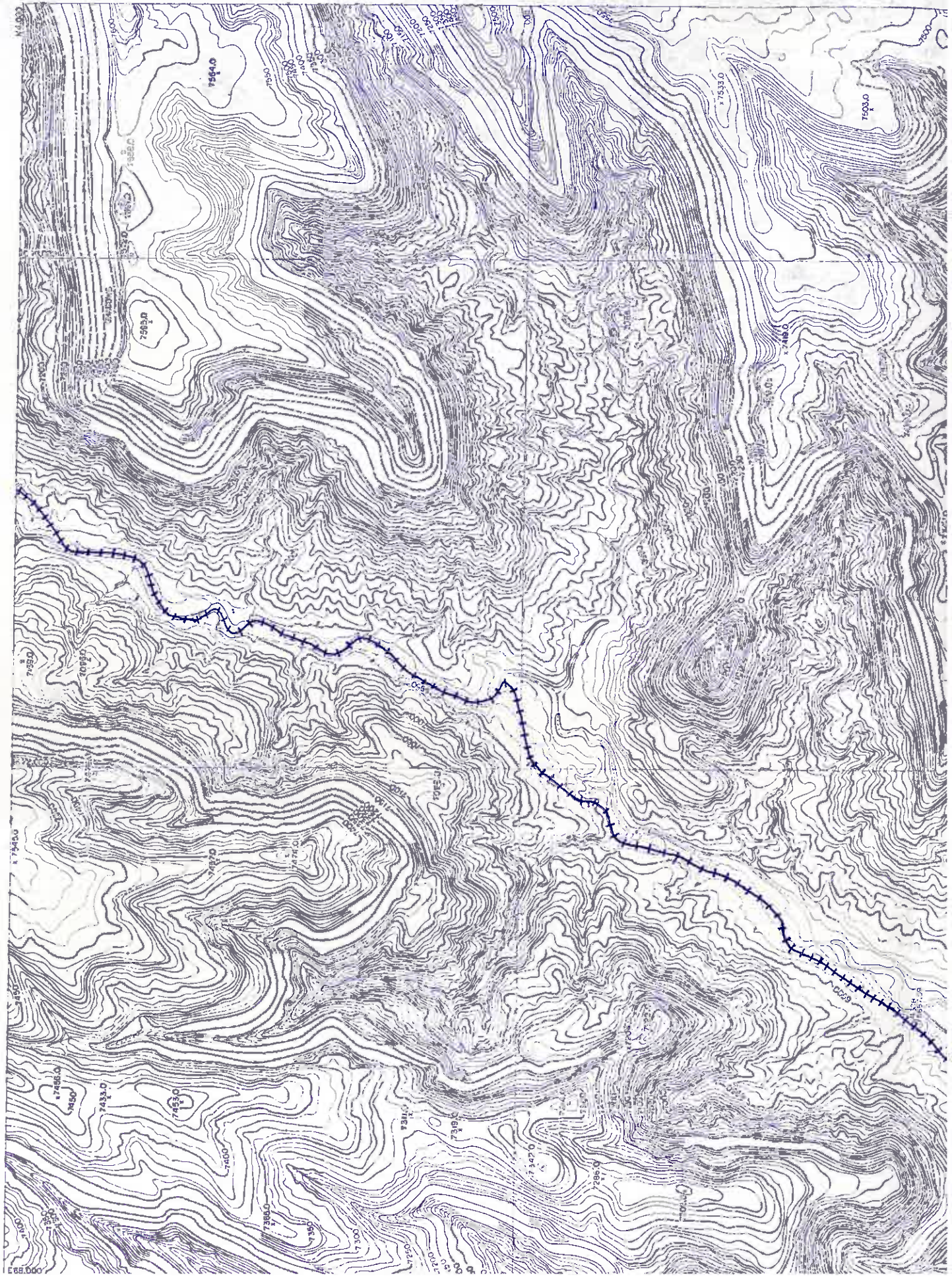
89800  
2 of 4  
J.G.S.  
6-20-89  
1:1000  
10'

PWCC JGS 6-4-92 TRUCK BUMP / FACILITIES

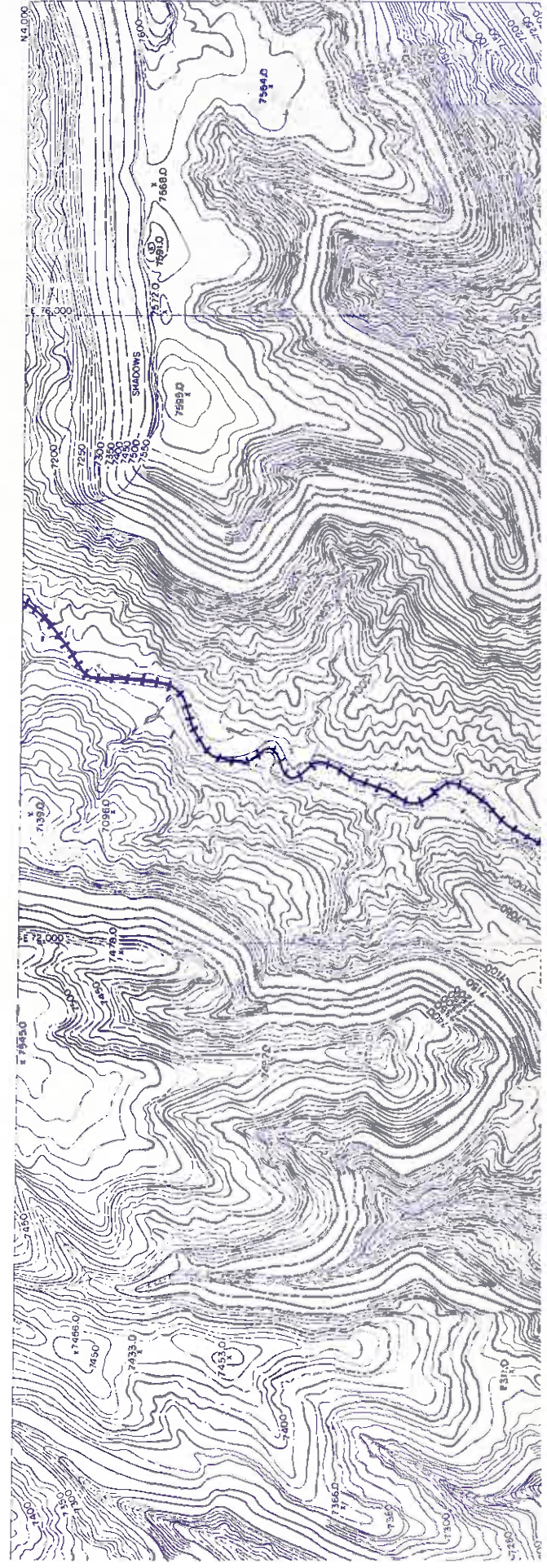




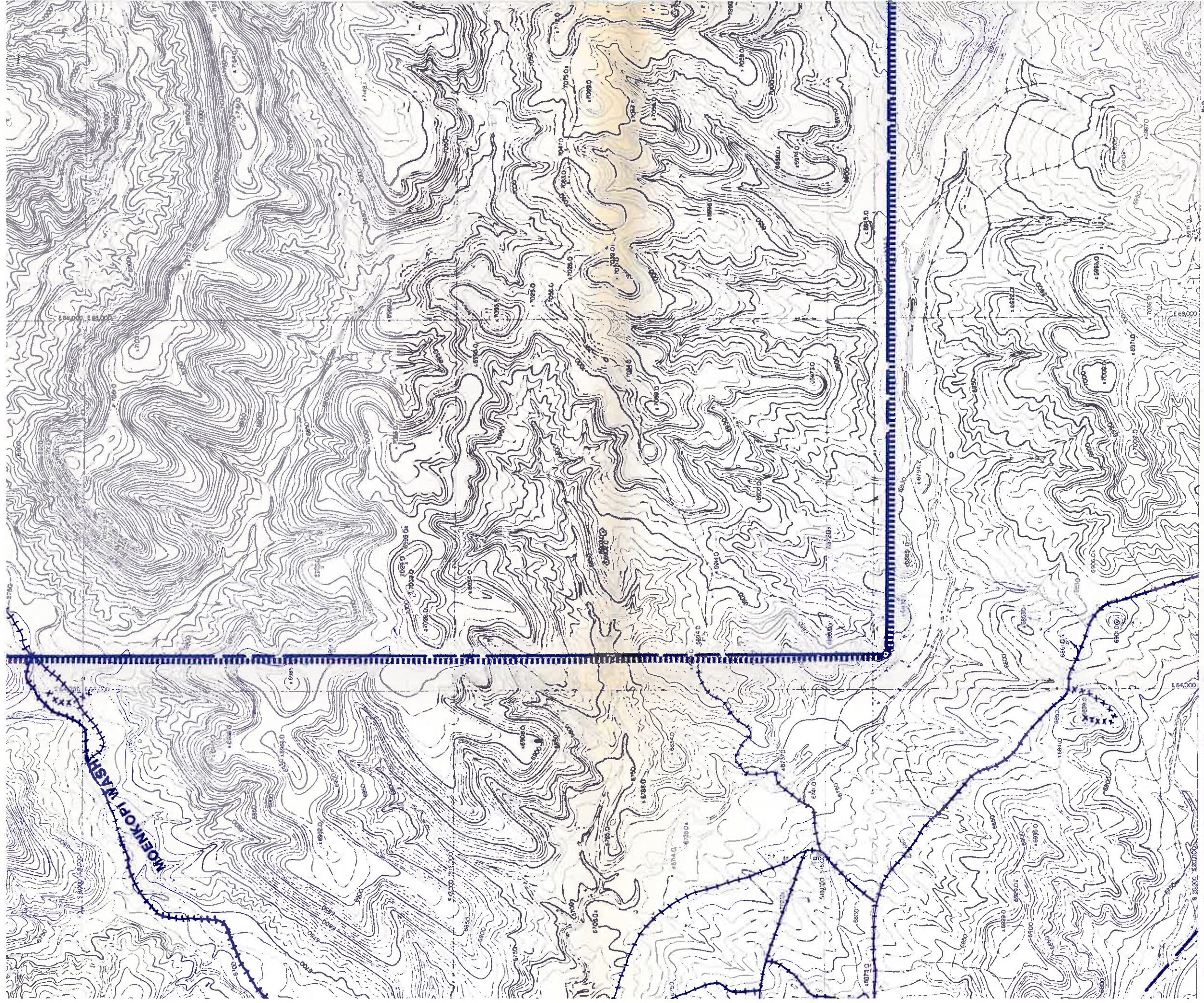












H-6	J-6	K-6	L-6
H-7	J-7	K-7	L-7
		K-8	L-8
		K-9	L-9
		K-10	L-10
		K-11	L-11
		M-7	N-7
		M-8	N-8
		M-9	N-9
		M-10	N-10
		M-11	N-11

SHEET INDEX

**ENGINEER'S CERTIFICATION**

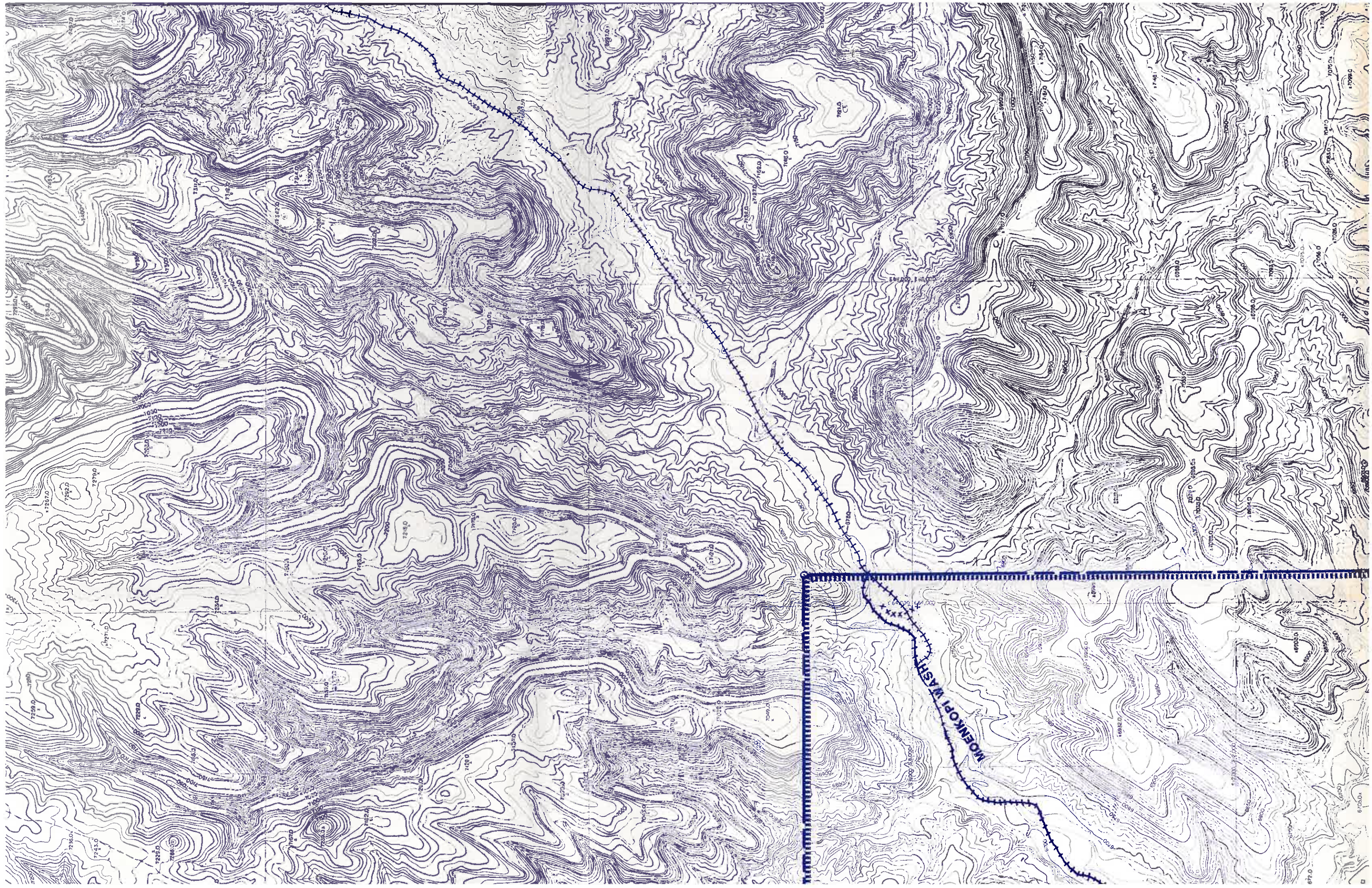
ARIZONA P. E. 18782

DATE: OCT 24 1994

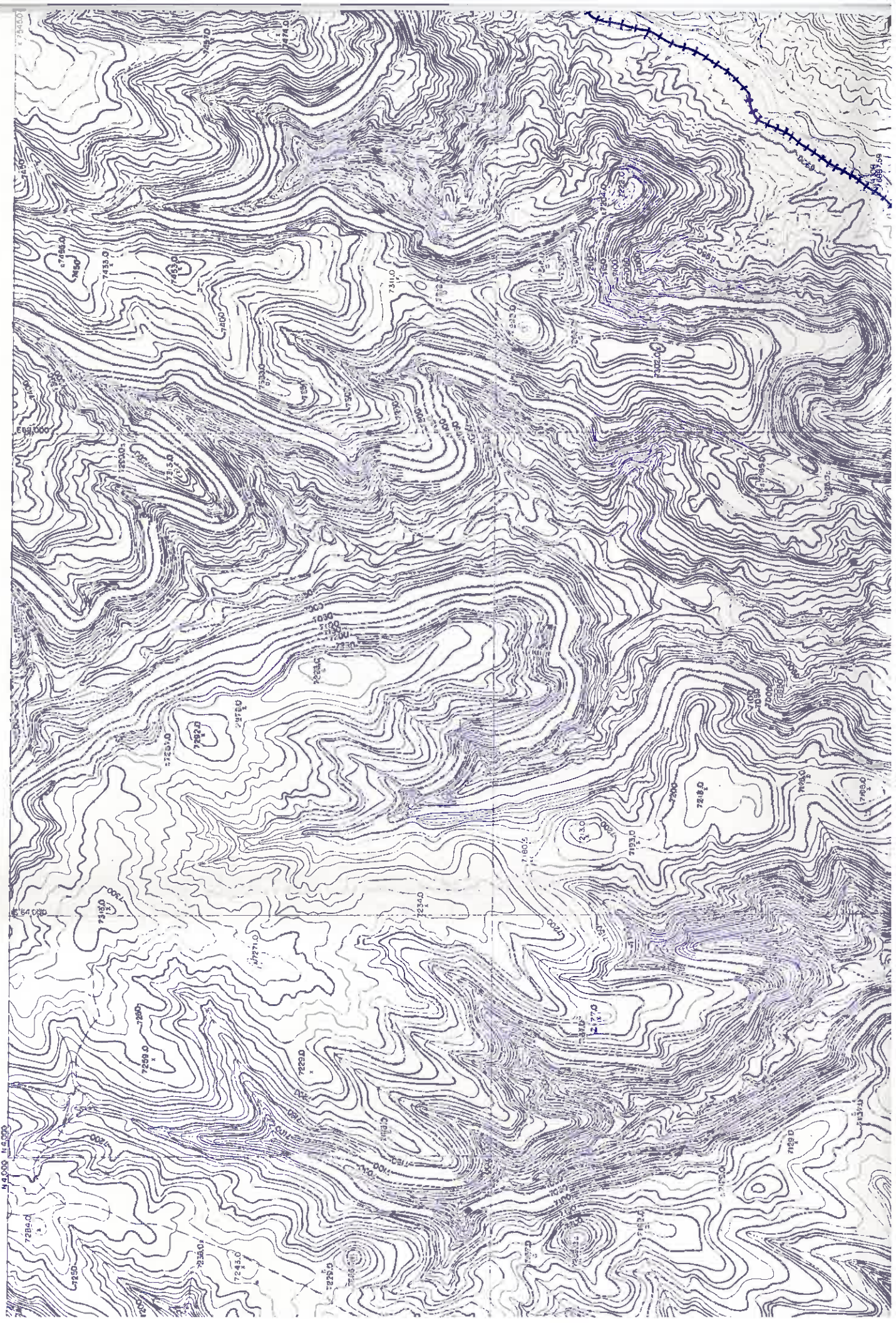


FOR ENGINEER  
 COMPANY

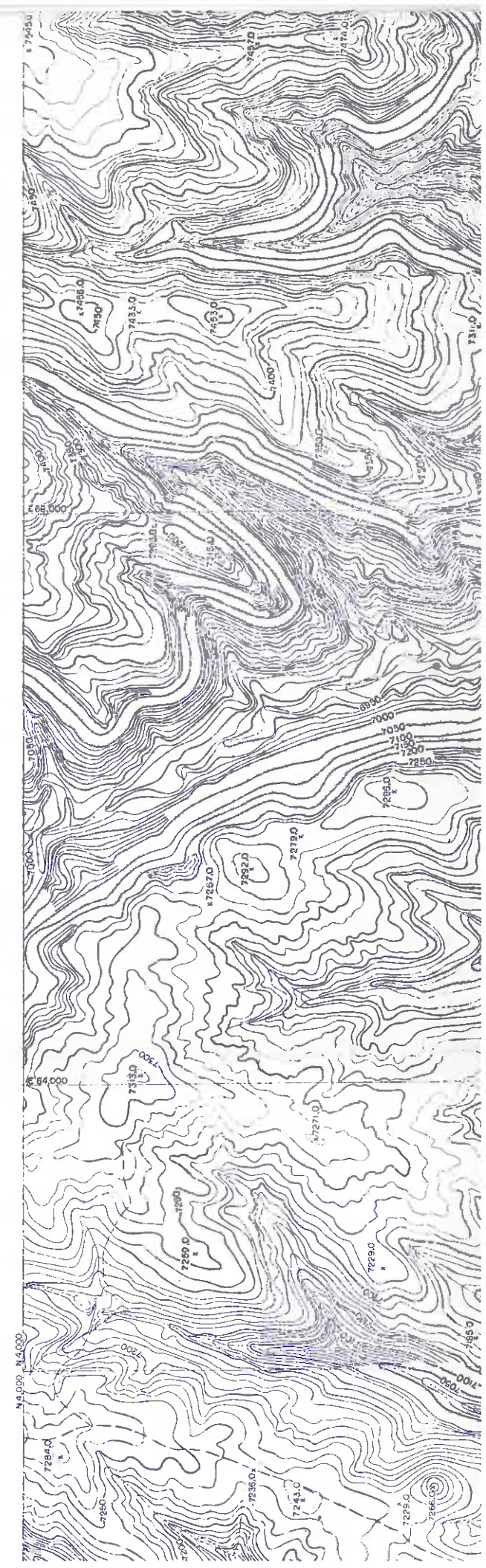




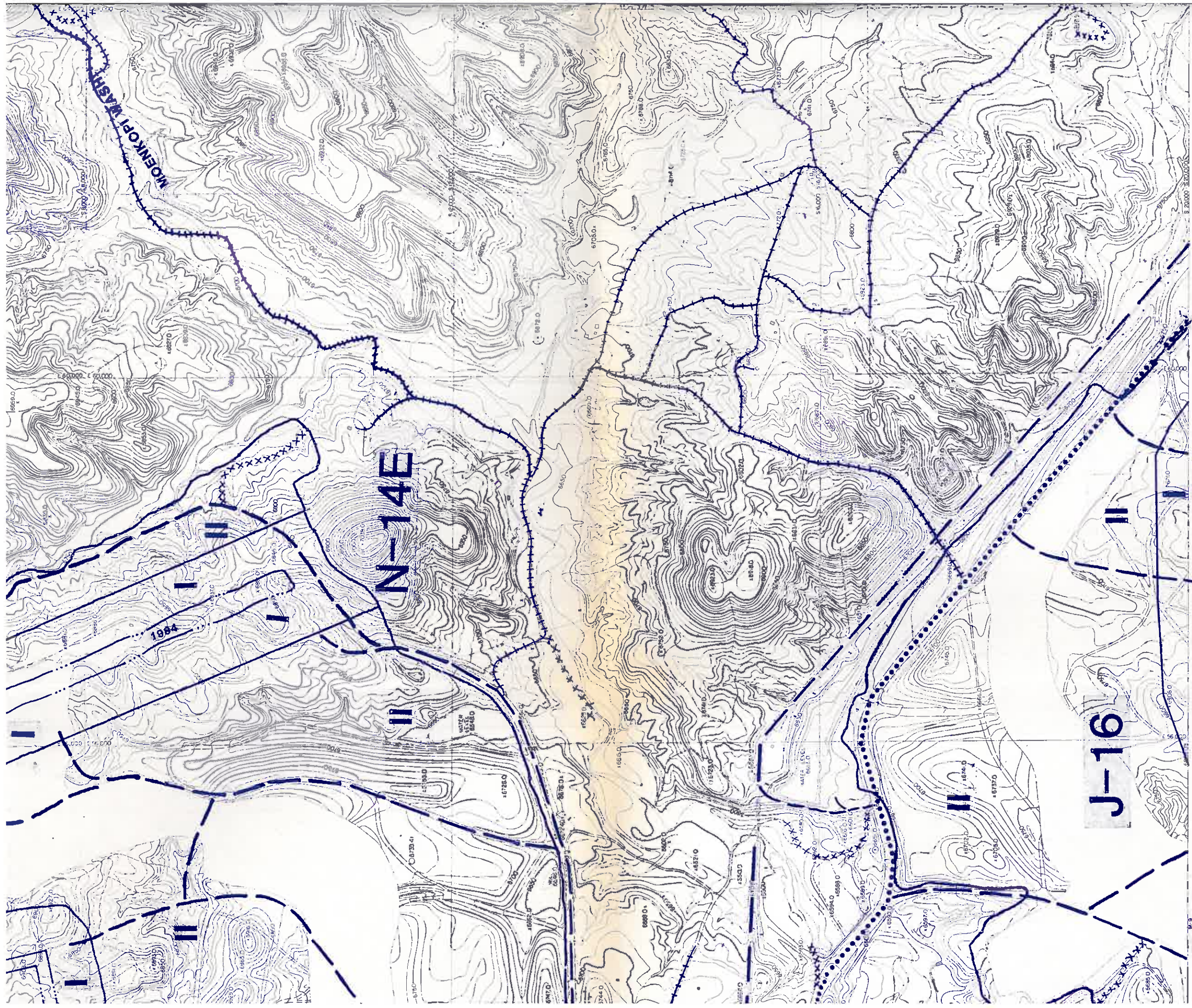












**SHEET 4**

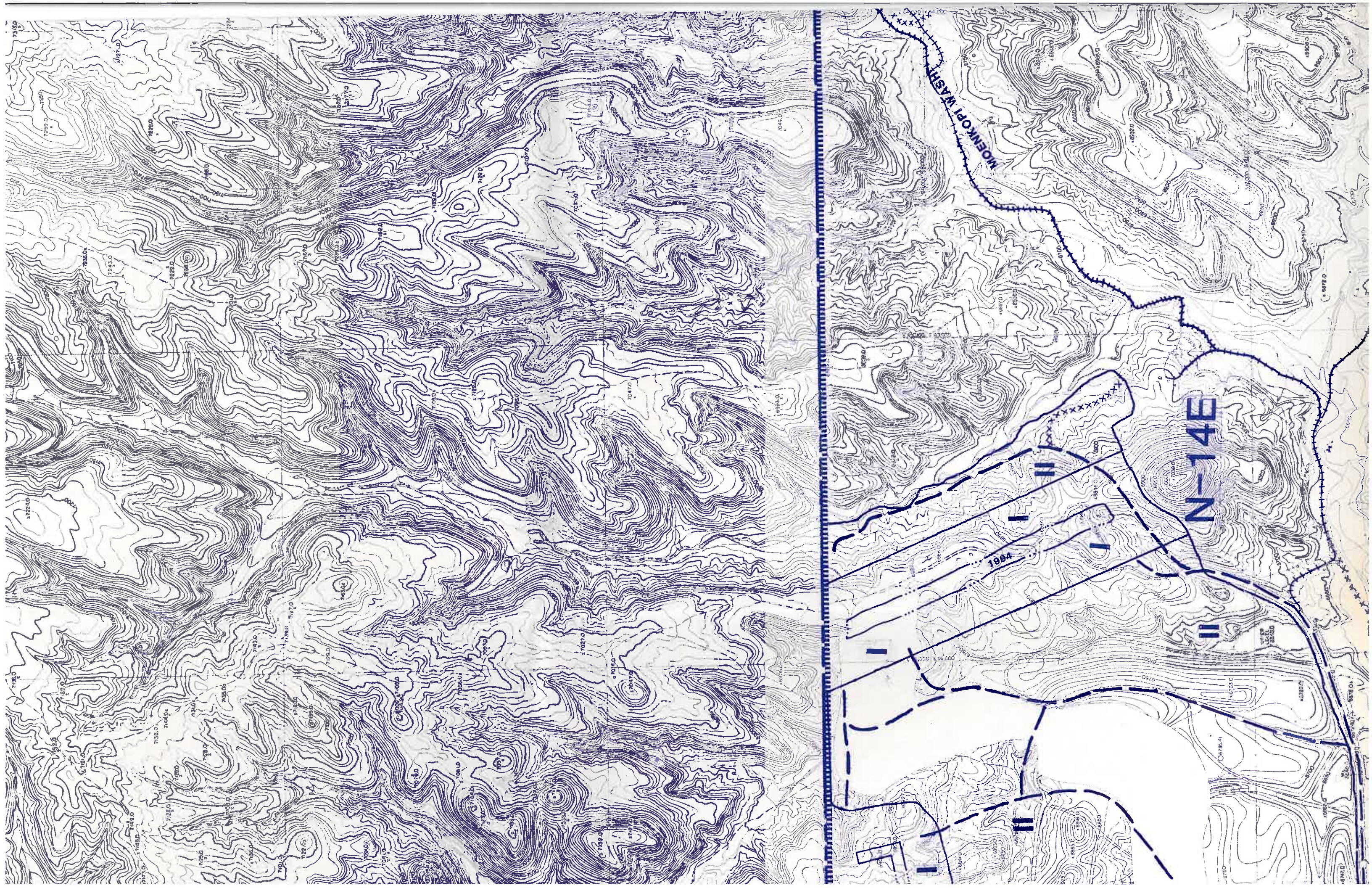
DRAWN BY	CHECKED BY	DATE	REVISION DESCRIPTION
AB	J.G.S.	7-10-92	AFFECTED LANDS REVISIONS
AB	J.G.S.	10-7-92	AFFECTED LANDS REVISIONS
AB	J.G.S.	2-10-93	PERMIT RESPONSE
AB	J.G.S.	12-10-93	PERMIT RESPONSE
AB	J.G.S.	1-31-94	N-11 MINE PLAN REV.
PWCC	J.G.S.	7-22-94	N-11 CONDITION #3 RESPONSE
PWCC	J.G.S.	10-24-94	N-11 POWERLINE & FAC. REV.



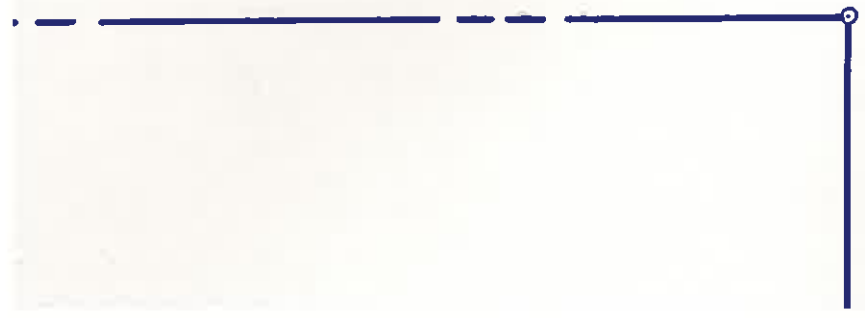
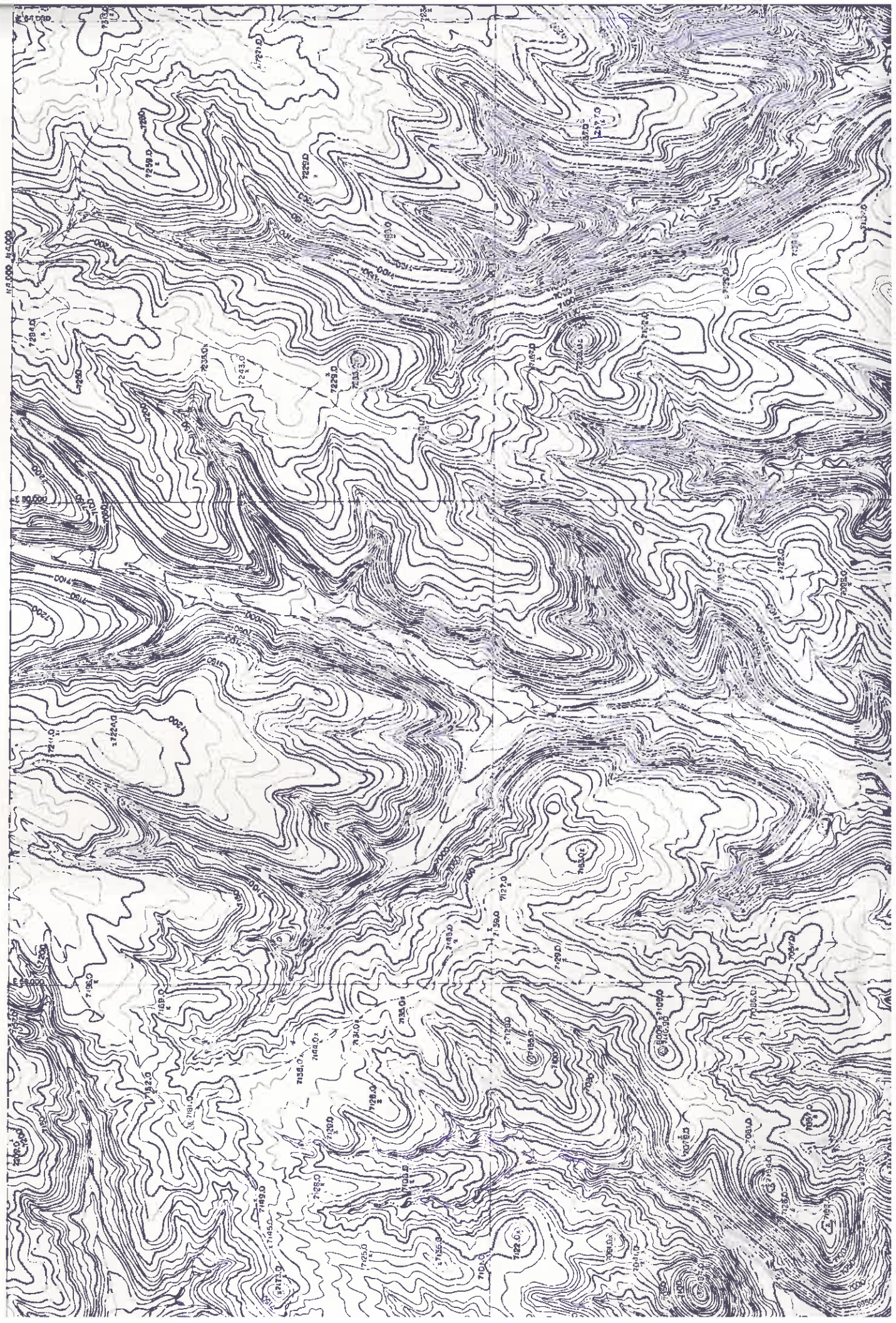
VERTICAL DATUM: MEAN SEA LEVEL

H-6	J-6	K-6	L-6
H-7	J-7	K-7	L-7
SHEET INDEX		K-8	L-8
		K-9	L-9
		K-10	L-10
		K-11	L-11

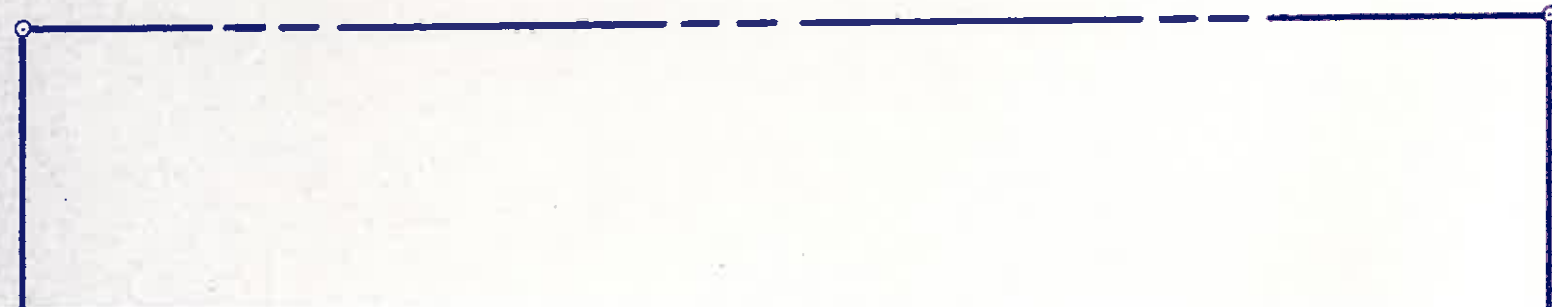
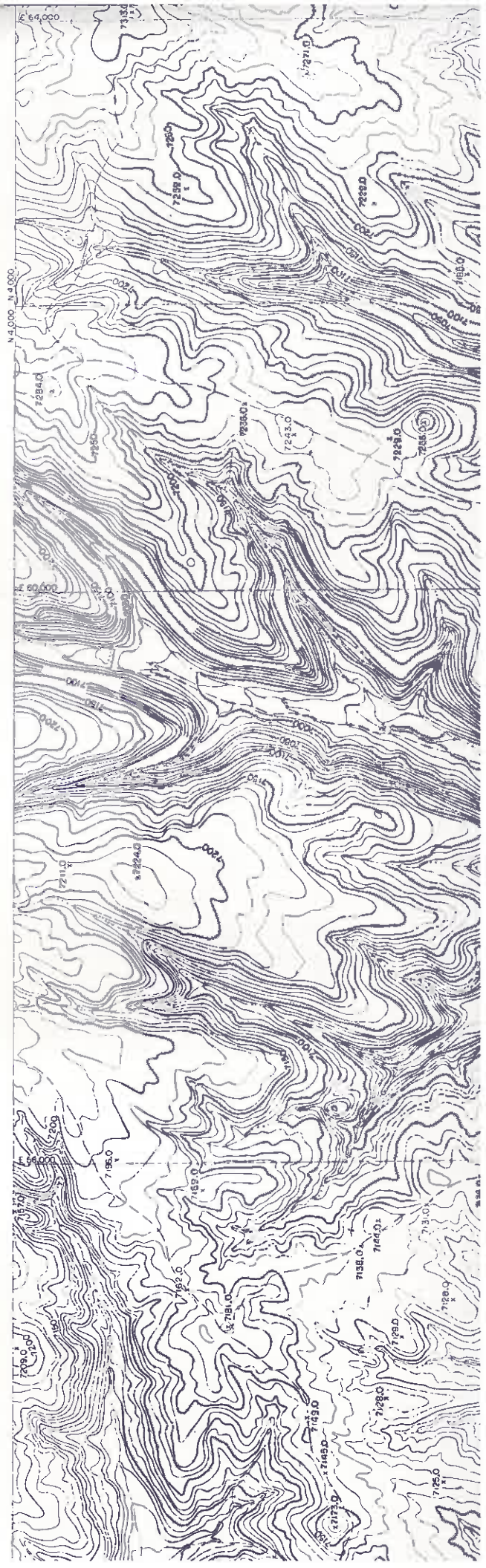




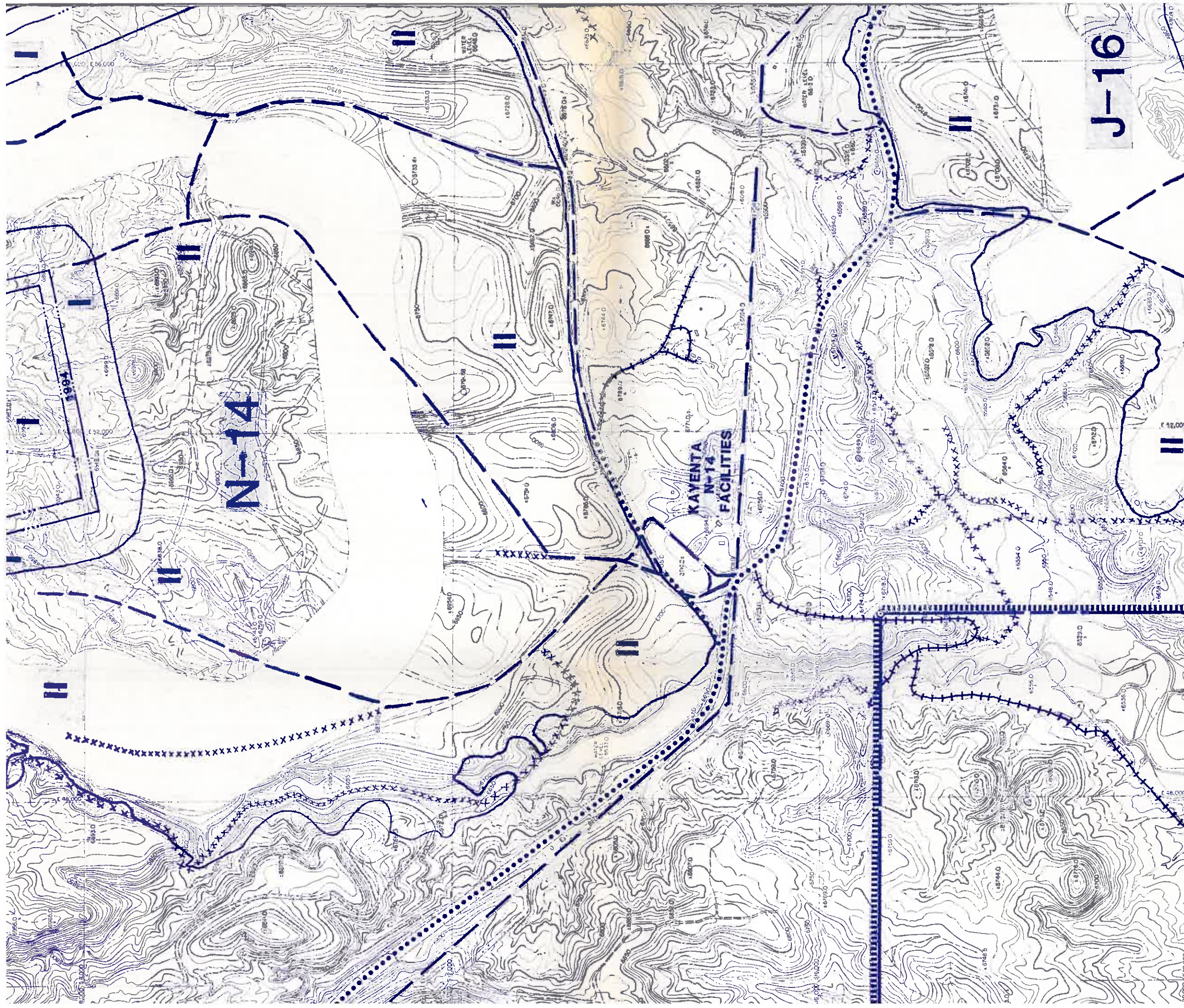












SHEET 4

- PRIMARY ROAD & RAMP TO BE RECLAIMED
- ..... ANCILLARY ROAD TO BE RECLAIMED
- - - - - PERMANENT PRIMARY ROAD
- + + + + + PRIVATE ROAD
- o o o o o o o o o o o o o o o o PRE-LAW ROAD (PRIVATE ROAD)
- - - - - PUBLIC ROAD

DRAWN	CHI
BY	J.
AB	J.
AB	J.
AB	J.
AB	J.
AB	J.
PWCC	J.
PWCC	J.

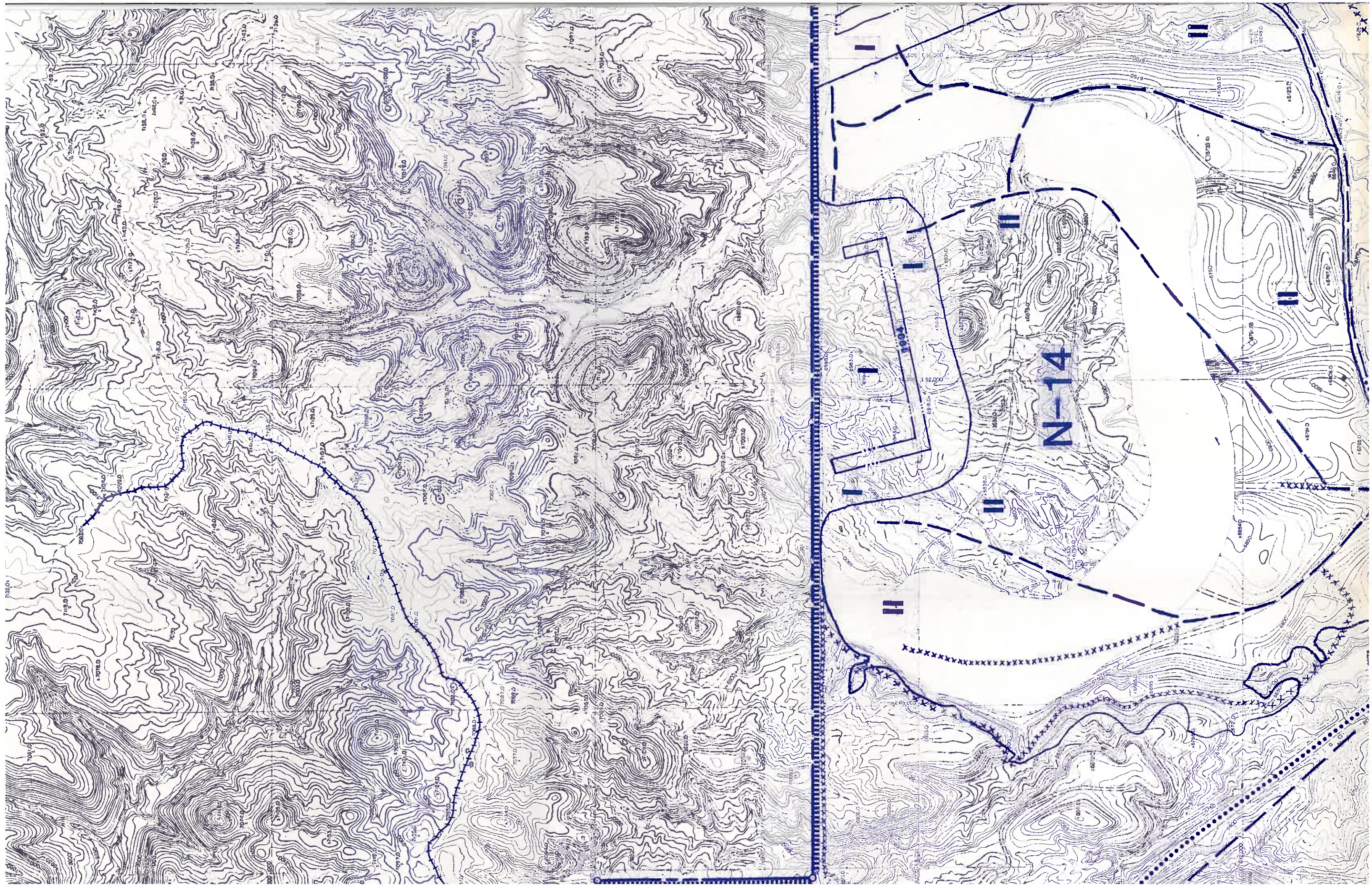


VERTICAL DATUM: MEAN SEA LEVEL

EST)12-31-94

12-31-80





N-14

1004

II

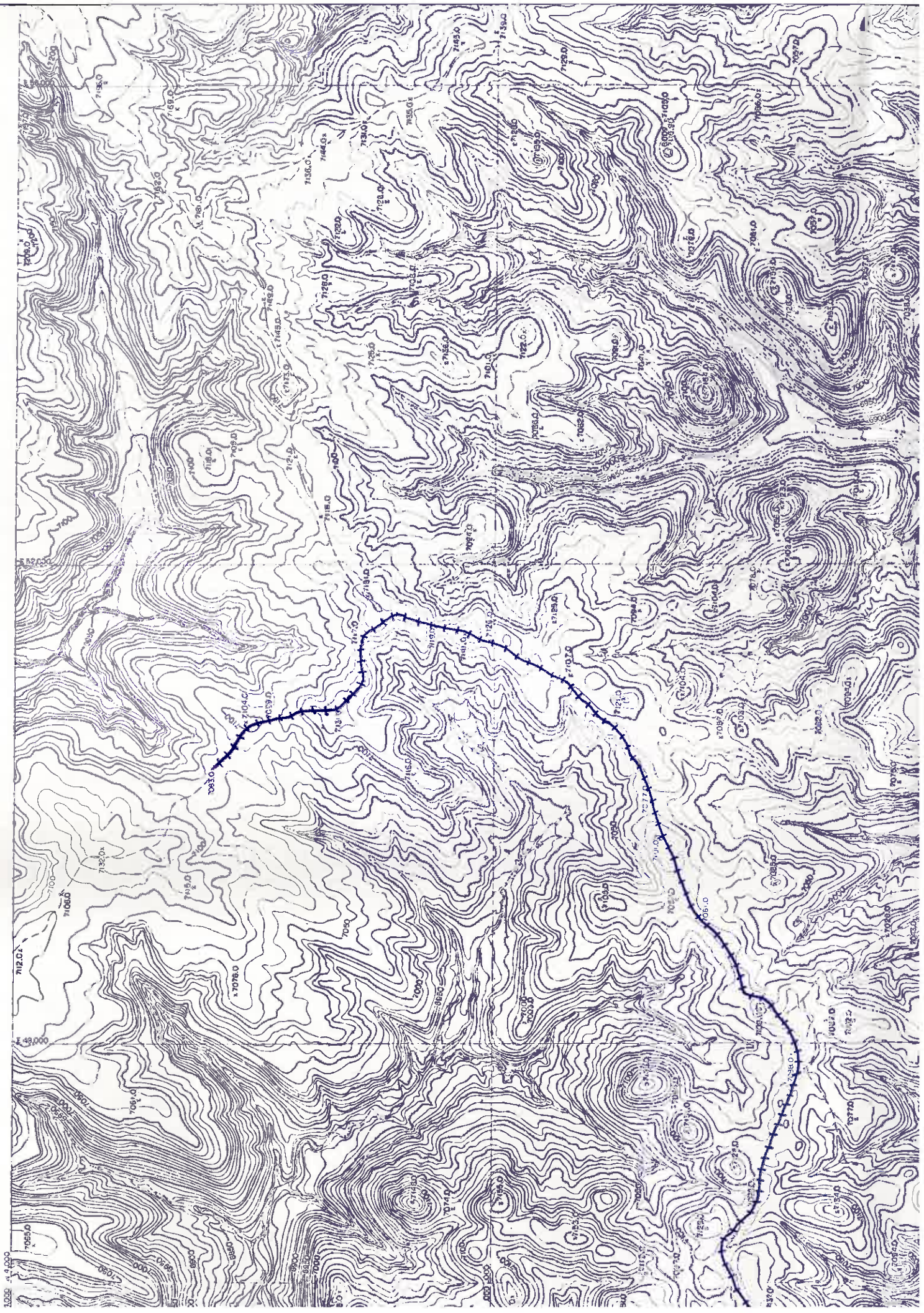
II

II

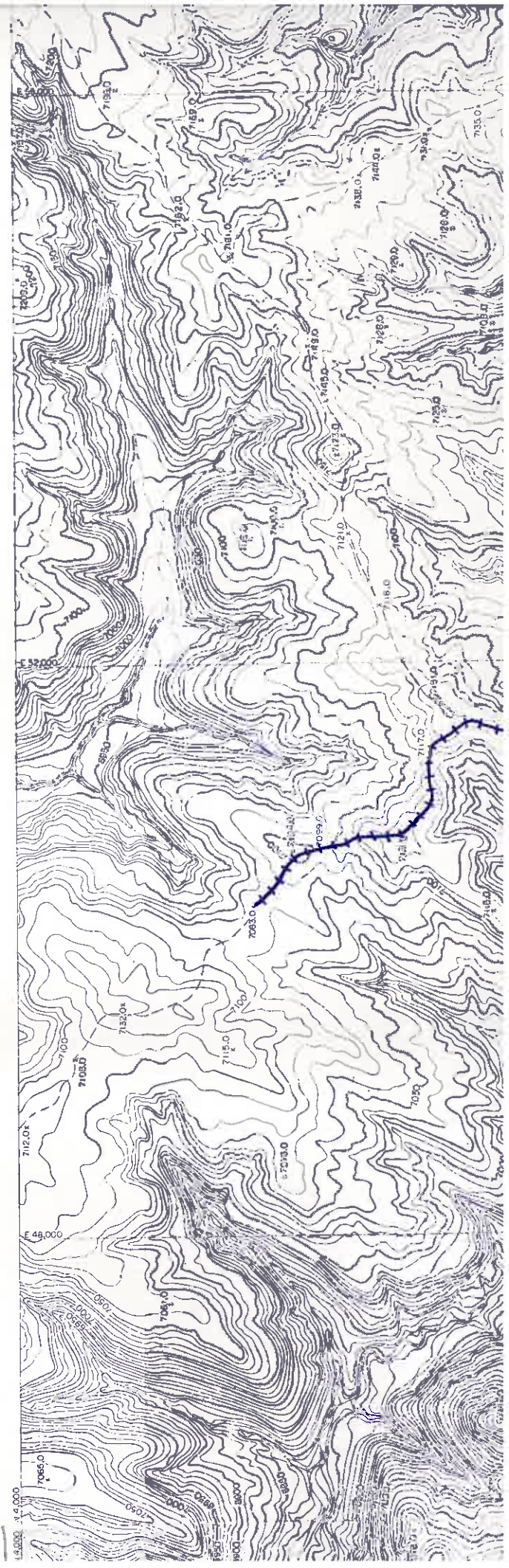
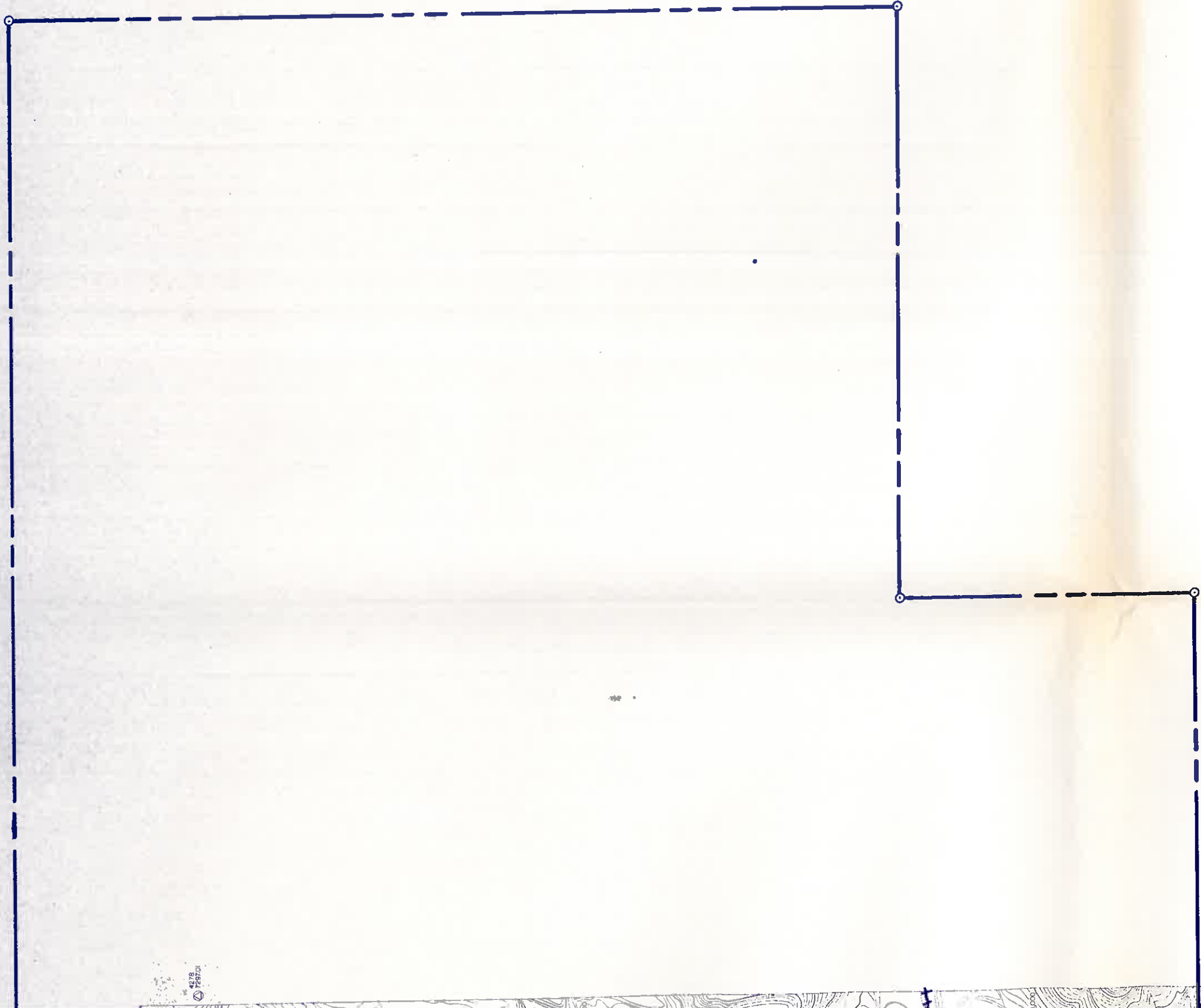
II

II

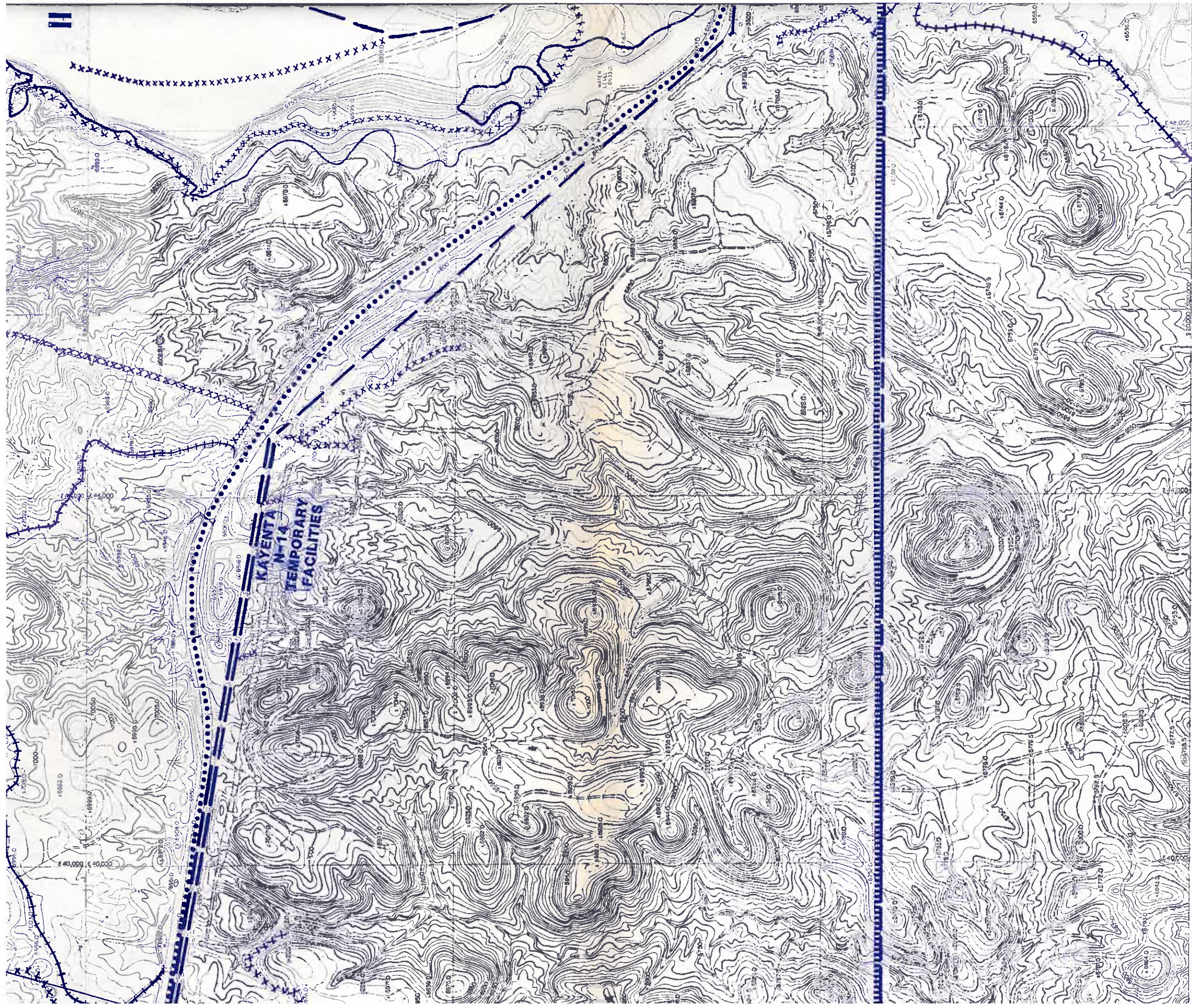








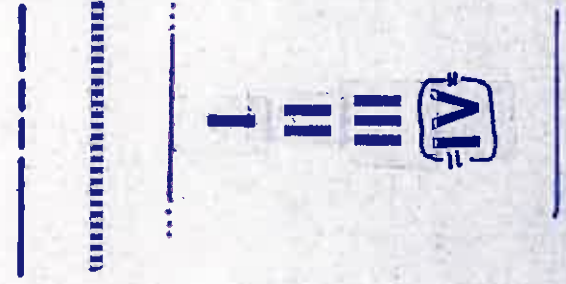




ound in Volume  
In addition,  
-related sites  
gs:

Structures Map

ap



PEABODY LEASE LINE

LIFE OF MINE AREA

ESTIMATED FINAL PIT AS OF 12-31-94

FINAL PIT RECLAMATION AREA AS OF 12-31-94

POSTLAW AREA DISTURBED FROM 1-1-81 TO (EST)12-31-94

POSTLAW AREA DISTURBED FROM 12-17-77 TO 12-31-80

PRELAW AREA DISTURBED PRIOR TO 12-17-77

POSTLAW DISTURBED AREA BOUNDARY

PRIMARY RO

ANCILLARY

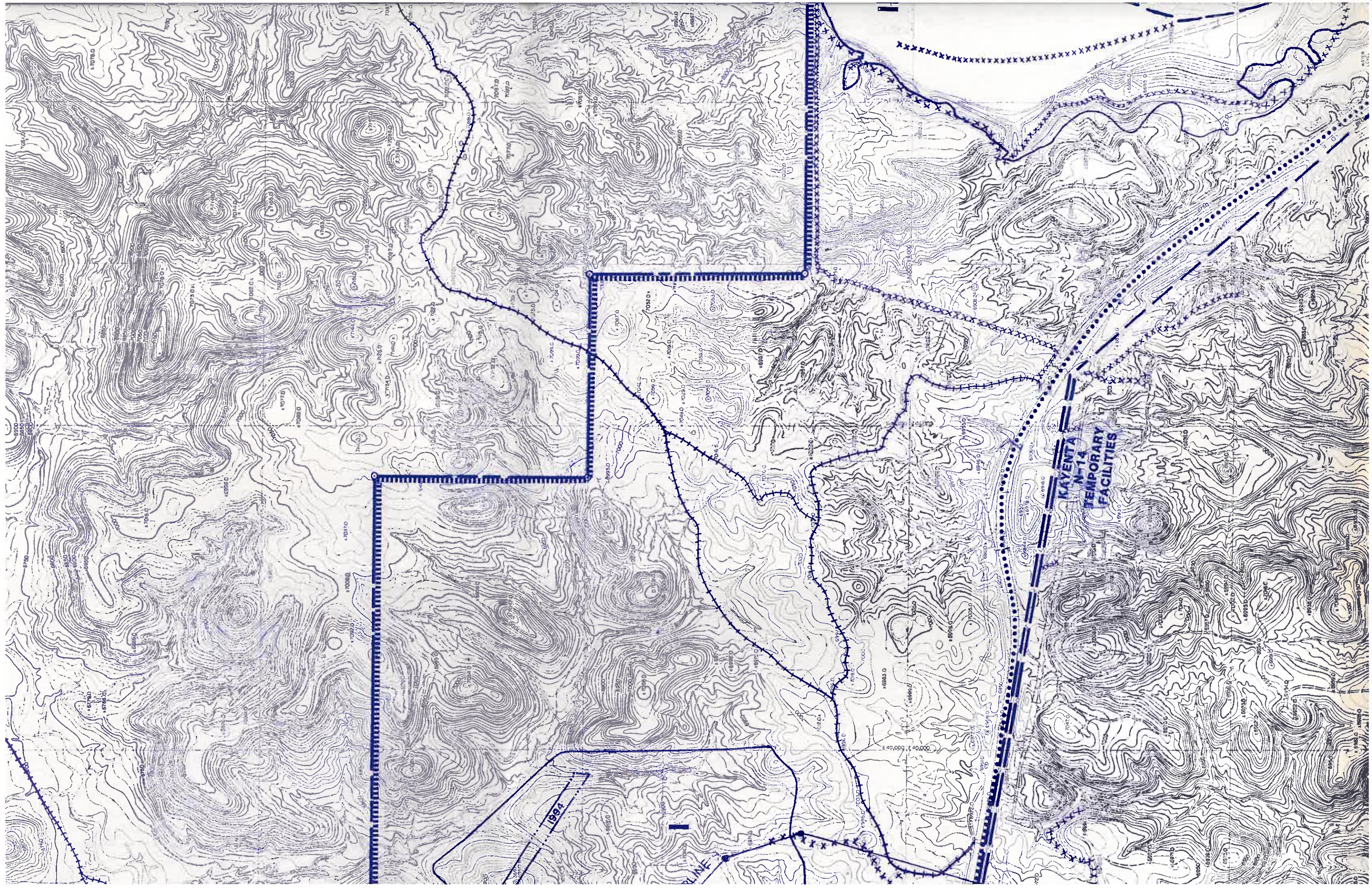
PERMANENT

PRIVATE

PRE-LAW

PUBLIC RO



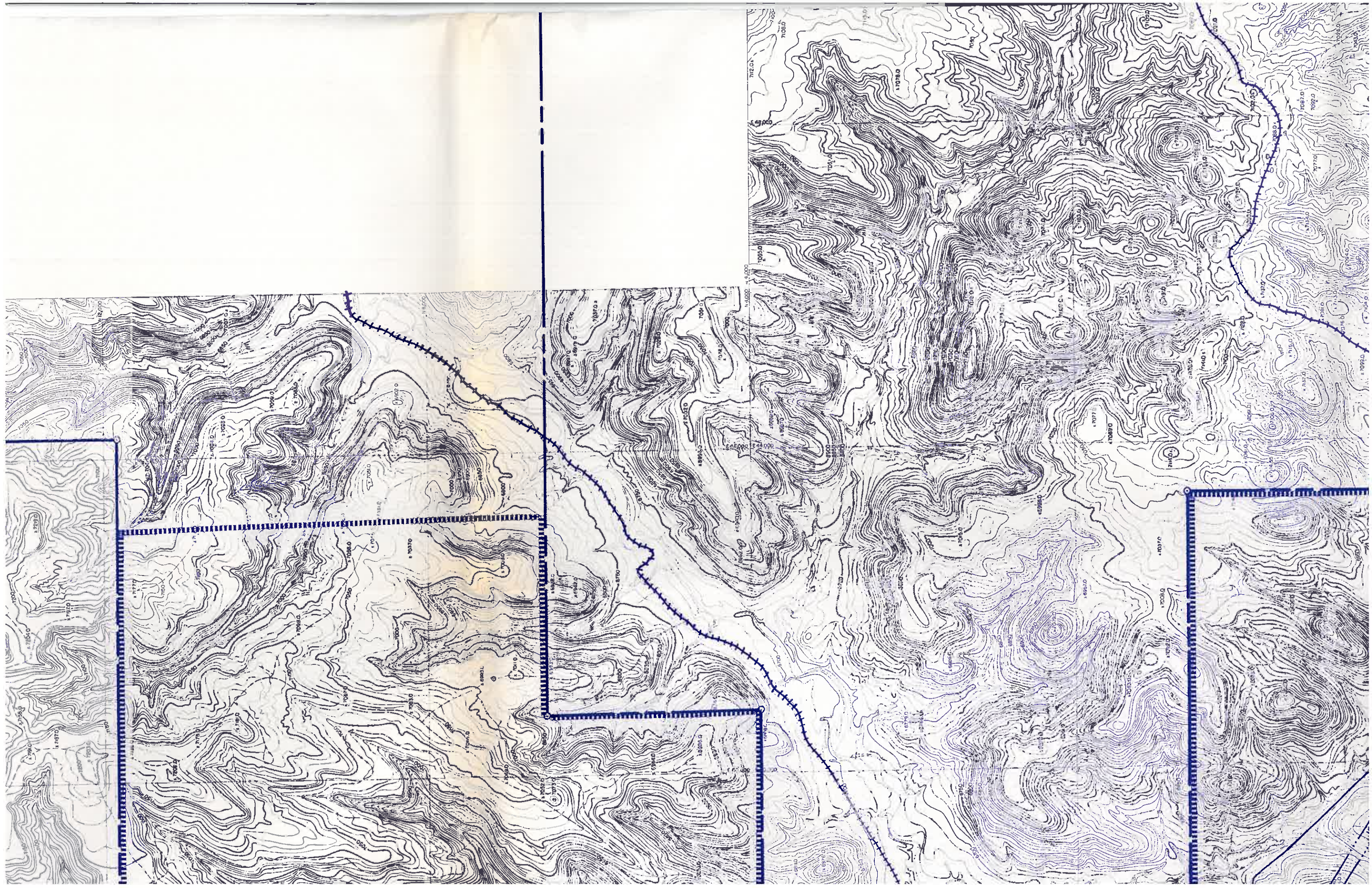


KAYENTA  
N-14  
TEMPORARY  
FACILITIES

1994

40,000 40,000









4278  
72970

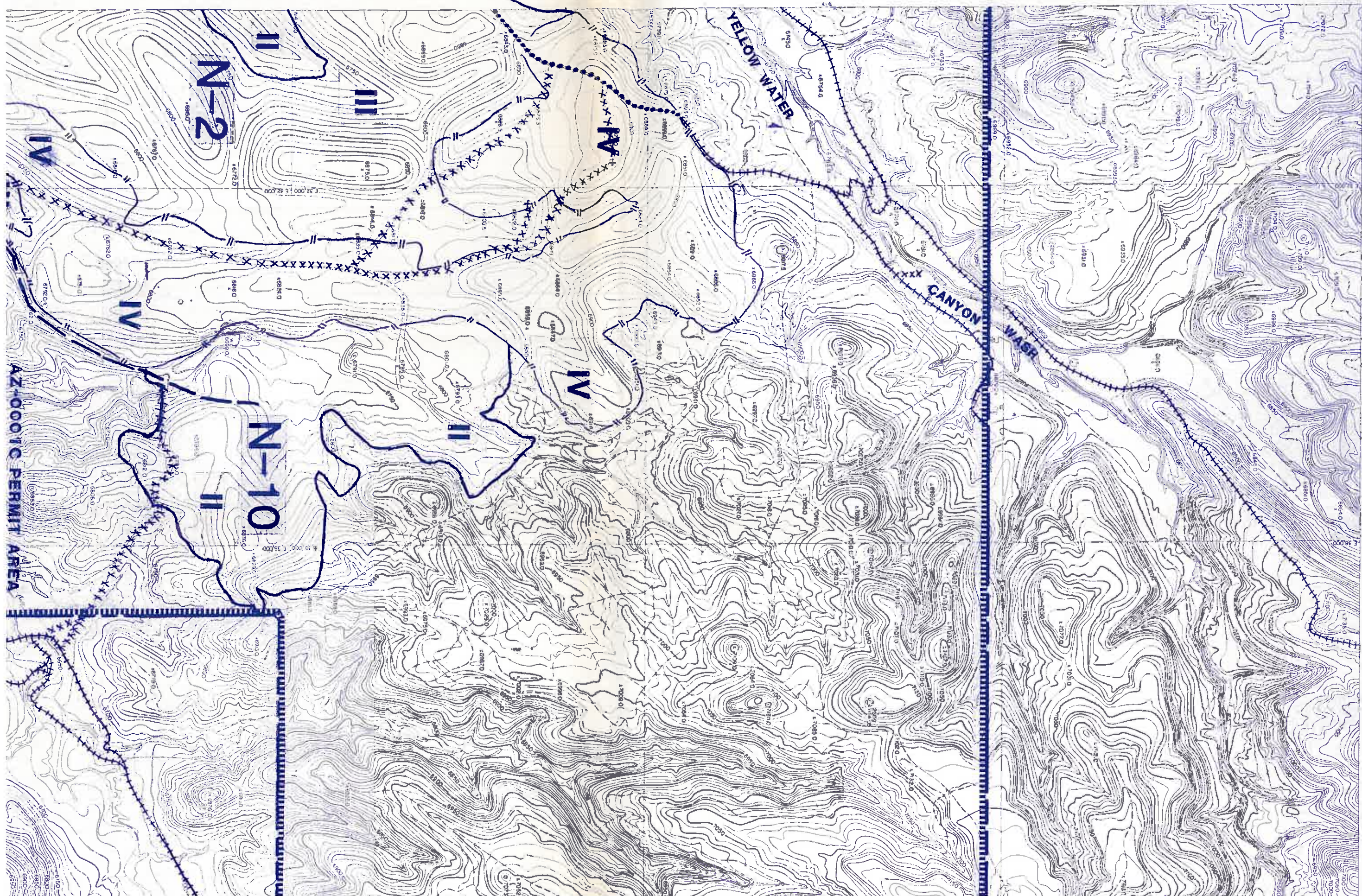
116,000

E 45,000

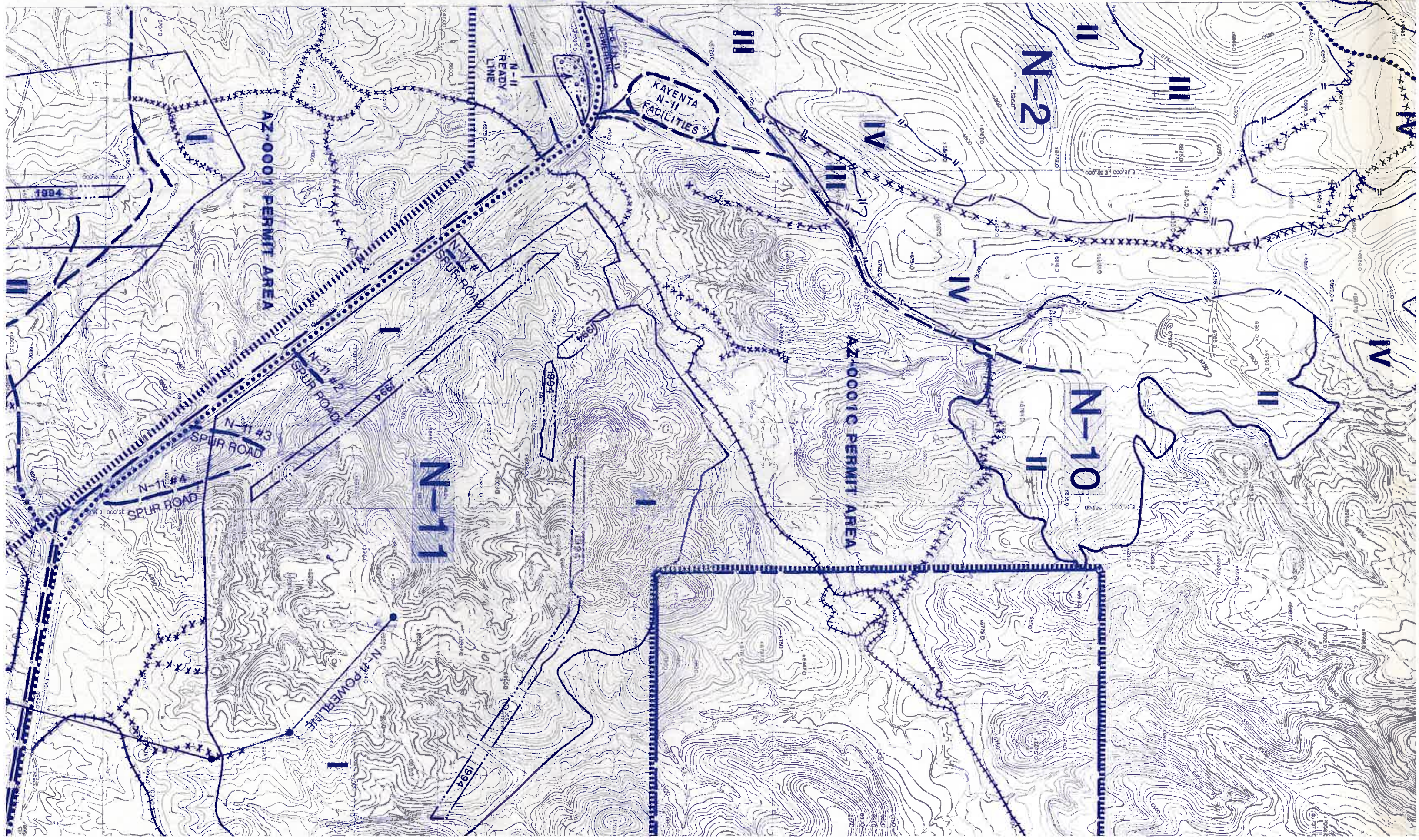
116,000

45,000

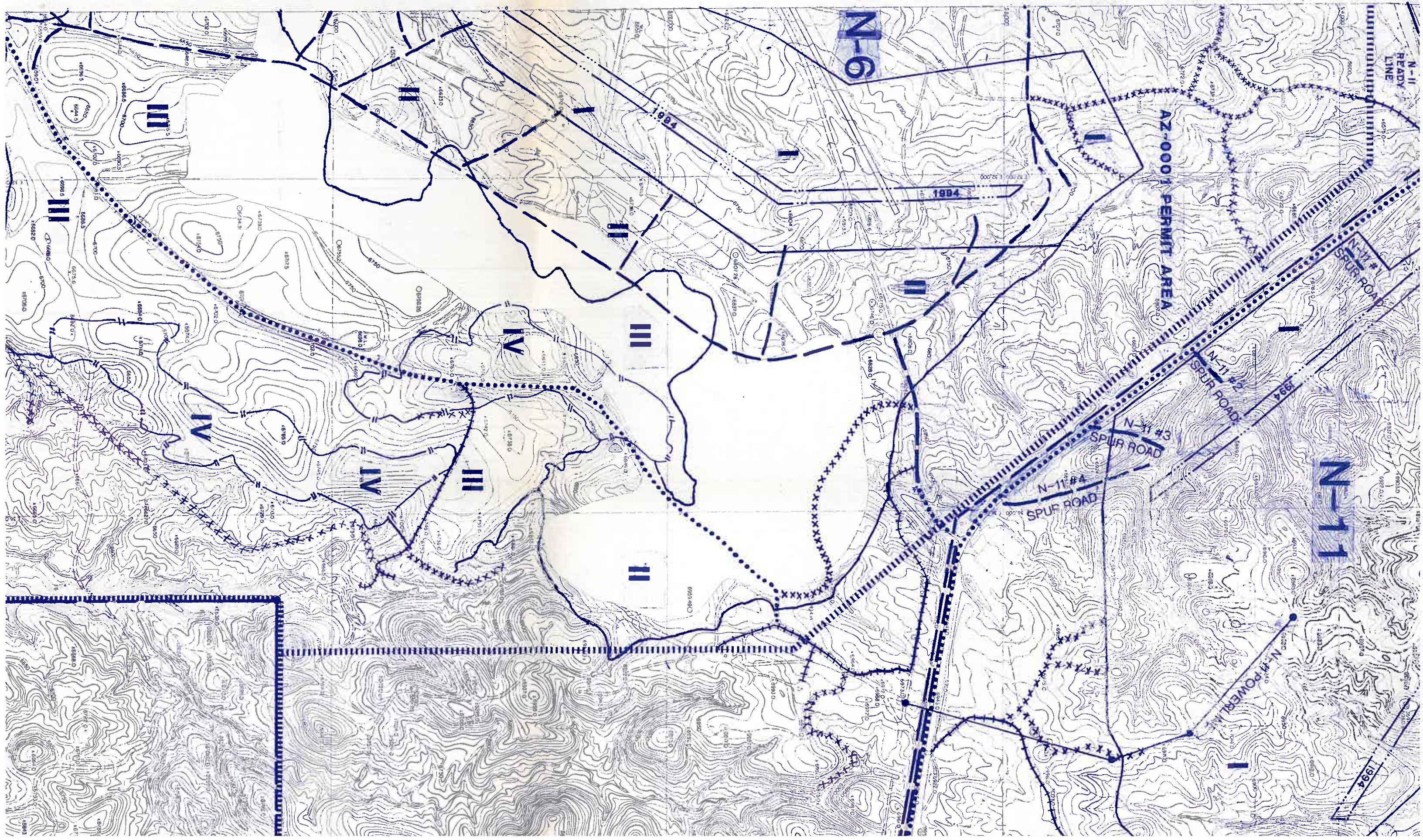




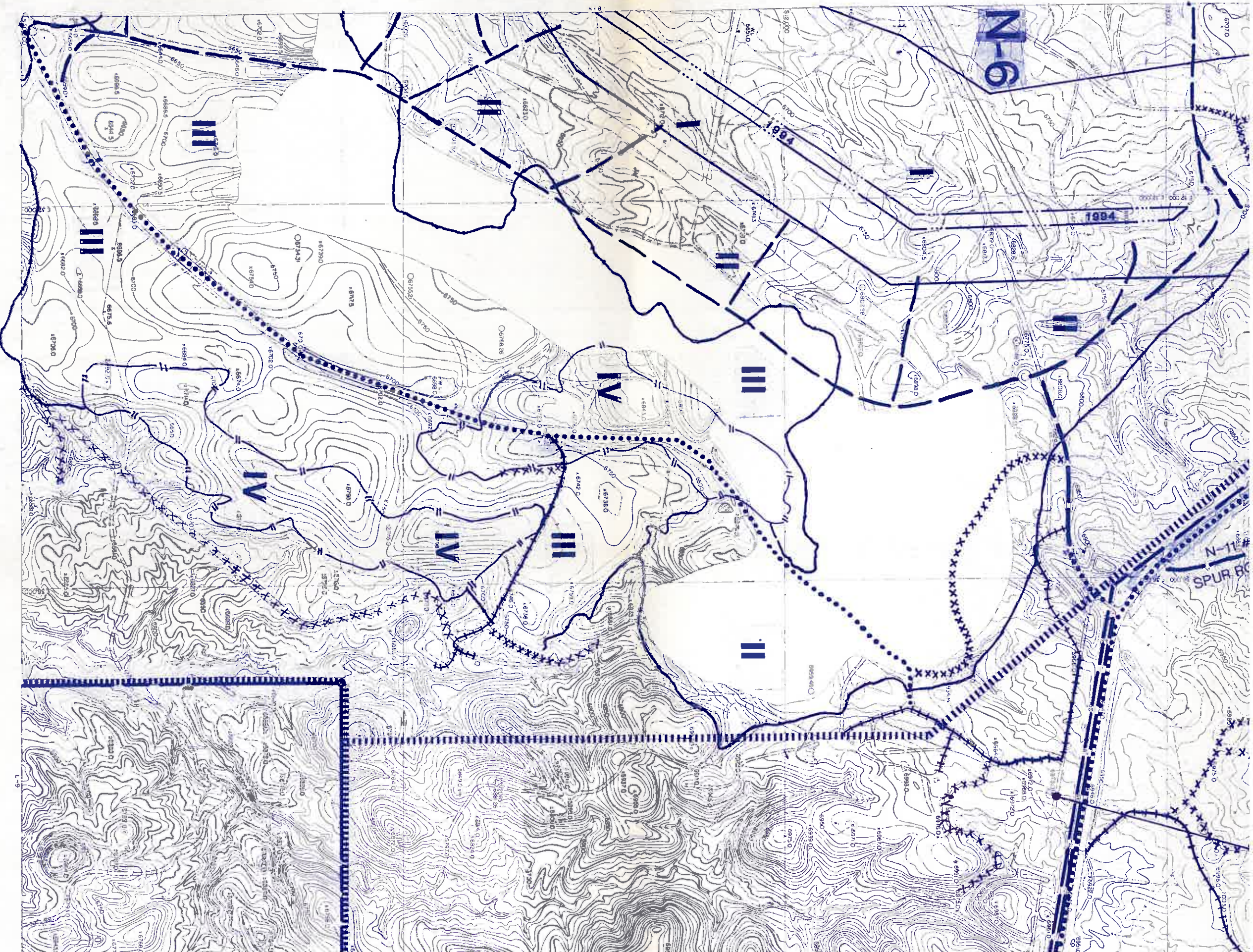













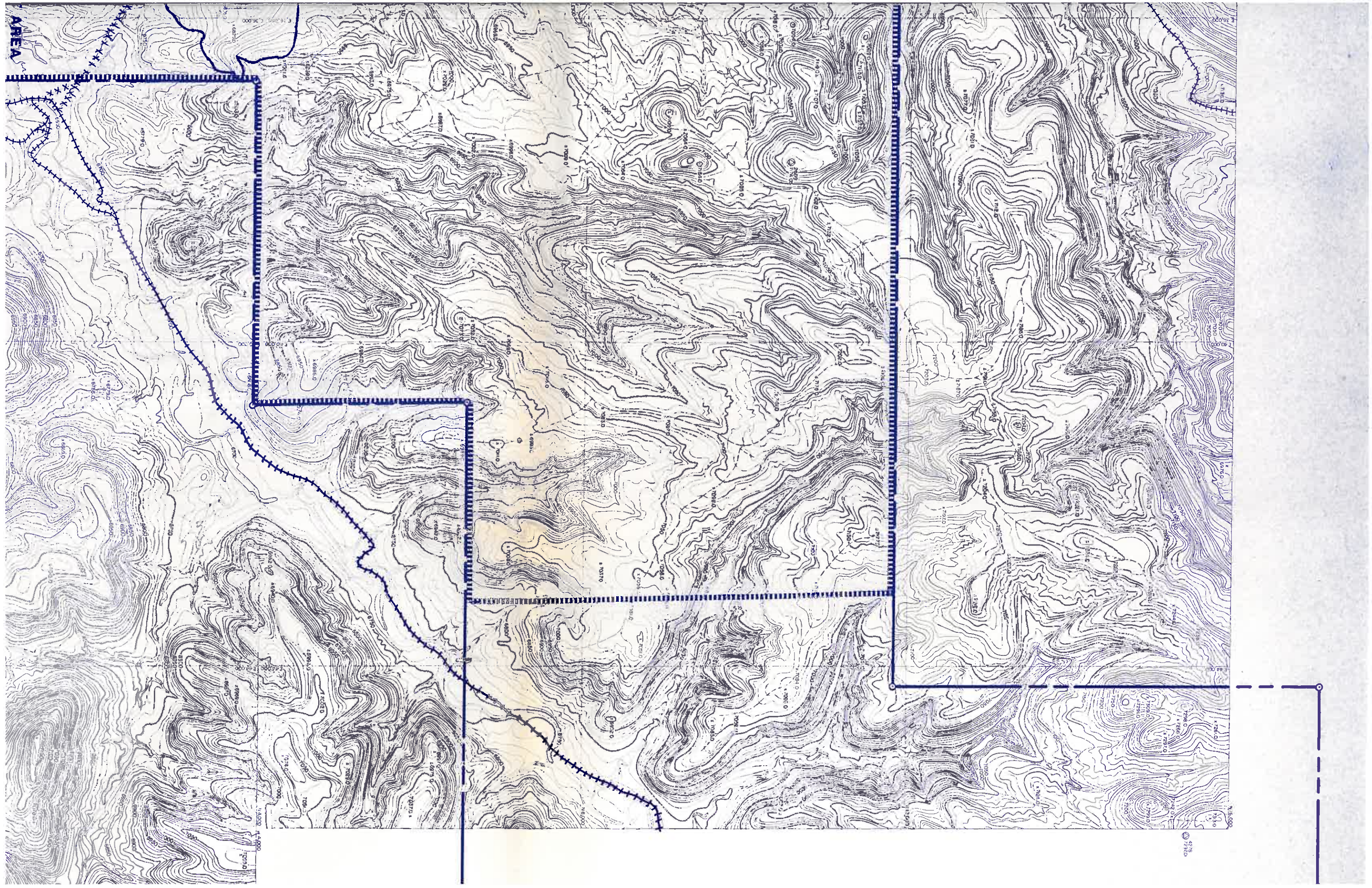
**NOTES:**

- 1) THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.
- 2) FIELD SURVEYS PERFORMED TO 3RD ORDER ACCURACIES BY PEABODY COAL CO. ENGINEERING DEPARTMENT.
- 3) TOPOGRAPHIC/PLANIMETRIC BASE MAP COMPILED FROM NEAR VERTICAL NEGATIVE AERIAL PHOTOGRAPHY EXPOSED ON NOVEMBER 19, 1984 BY COOPER AERIAL SURVEY CO.
- 4) STEREOCOMPILATION, FINAL DRAFTING, AND PHOTOGRAPHIC REPRODUCTIONS PERFORMED BY  COOPER AERIAL SURVEY CO. NATION, ARIZONA
- 5) 4000' GRIDS BASED ON PEABODY COAL COMPANY COORDINATE SYSTEM.

A. The permit reference index can be found in Volume 11, Chapter 25, Table 1. In addition, identification of individual mining-related sites may be found on the following drawings:

Drawing No.	Title
85210	Mine Plan Map
85350	Estimated PMT Map
85360	Jurisdictional Permit Map
85400	Drainage Area Map
85405	Sediment and Water Control Structures Map
85445	Permanent Roads Map
85480-85490	Mine Facilities Maps
85600	Environmental Monitoring Map

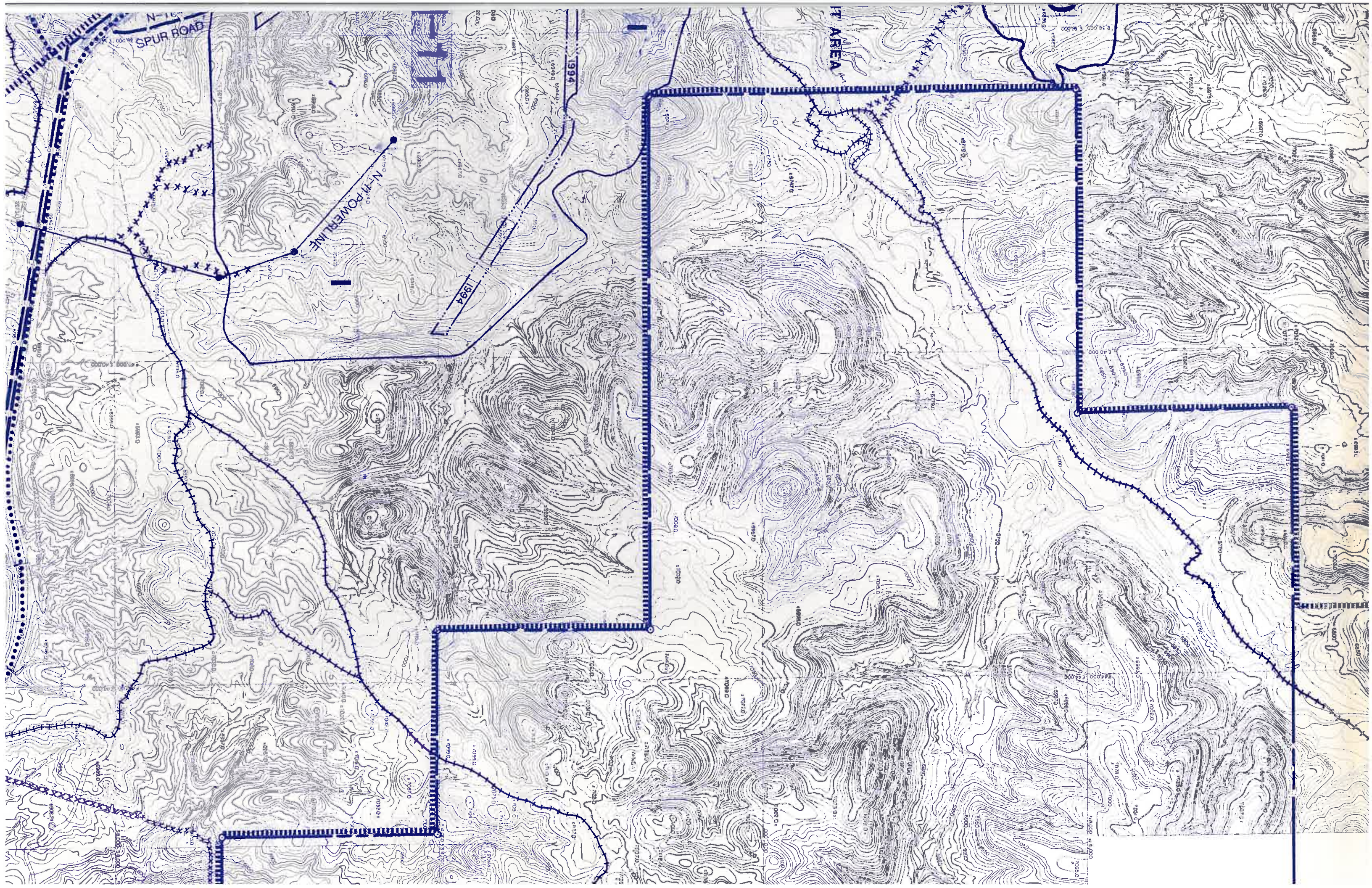




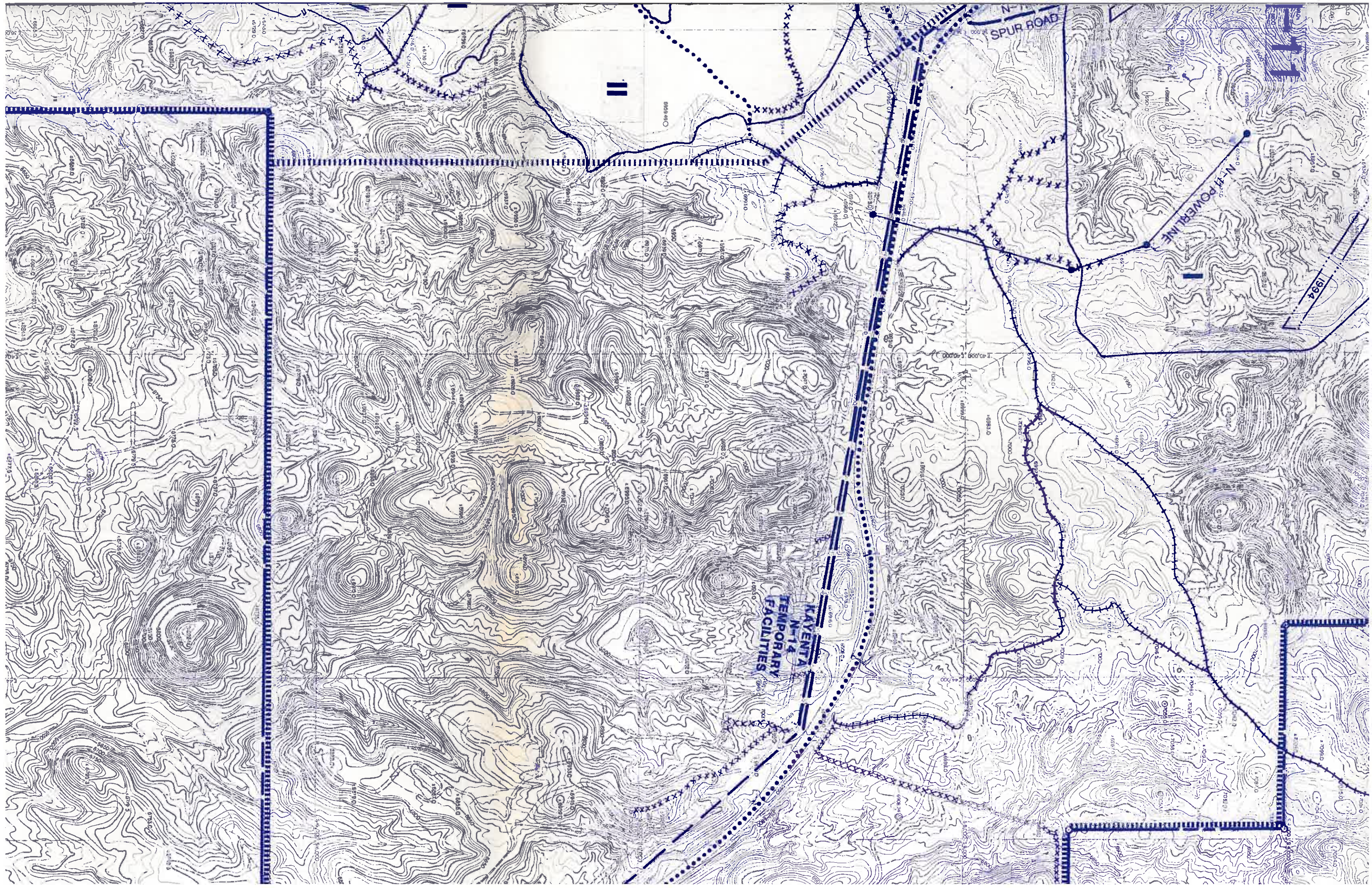
AREA

478  
7370









11

SPUR ROAD

N-14 POWER LINE

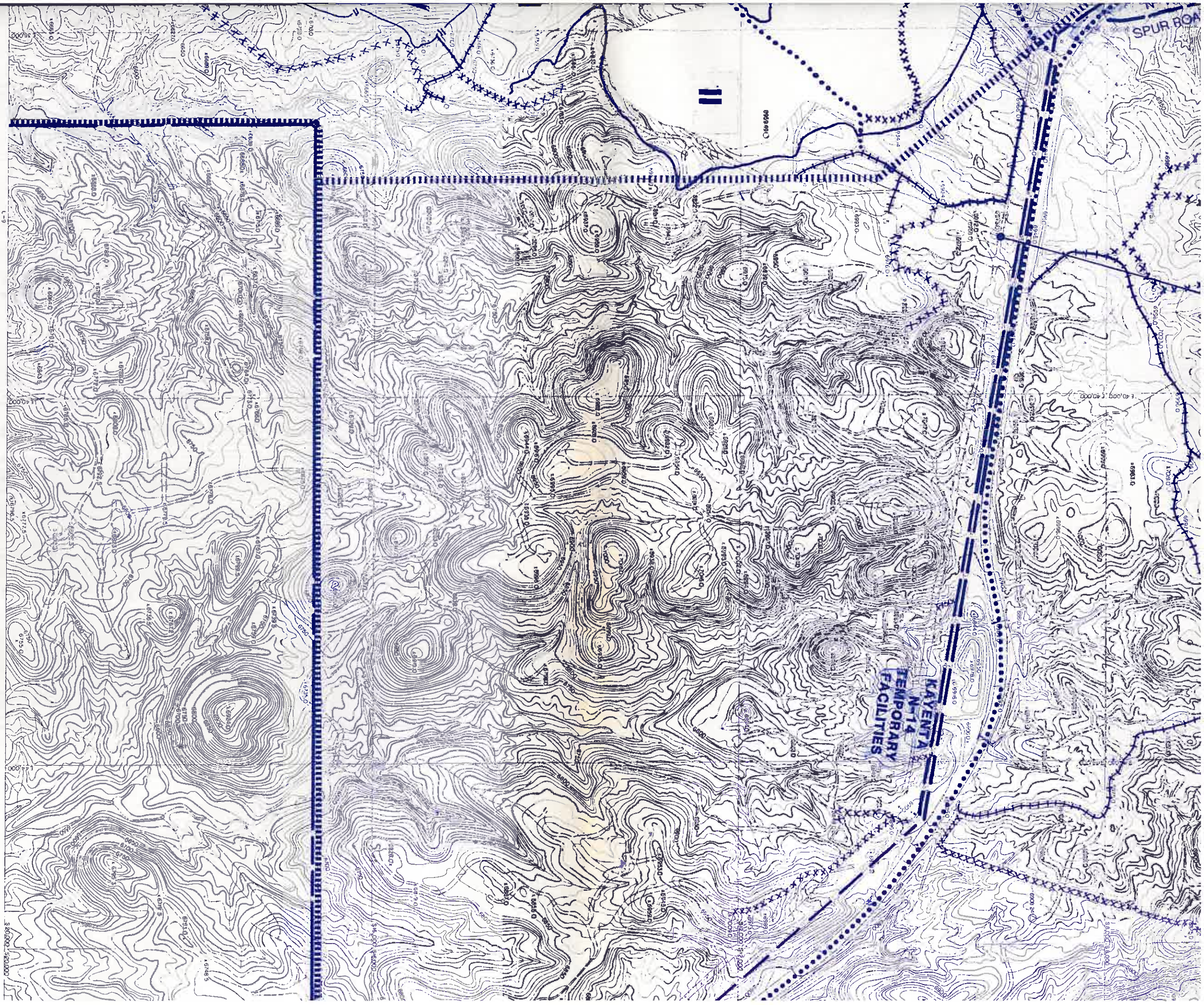
1994

KAYENTA  
N-14  
TEMPORARY  
FACILITIES

II

I





The Permit reference index can be found in Volume 11, Chapter 25, Table 1. In addition, identification of individual mining-related sites may be found on the following drawings:

Fig. No.	Title
0	Mine Plan Map
10	Estimated PMT Map
0	Jurisdictional Permit Map
0	Drainage Area Map
5	Permanent and Water Control Structures Map
5	Mine Facilities Maps
0	0-85490 Environmental Monitoring Map

PEABODY LEASE LINE

LIFE OF MINE AREA

ESTIMATED FINAL PIT AS OF 12-31-94

FINAL PIT RECLAMATION AREA AS OF 12-31-94

POSTLAW AREA DISTURBED FROM 1-1-81 TO (EST)12-31-94

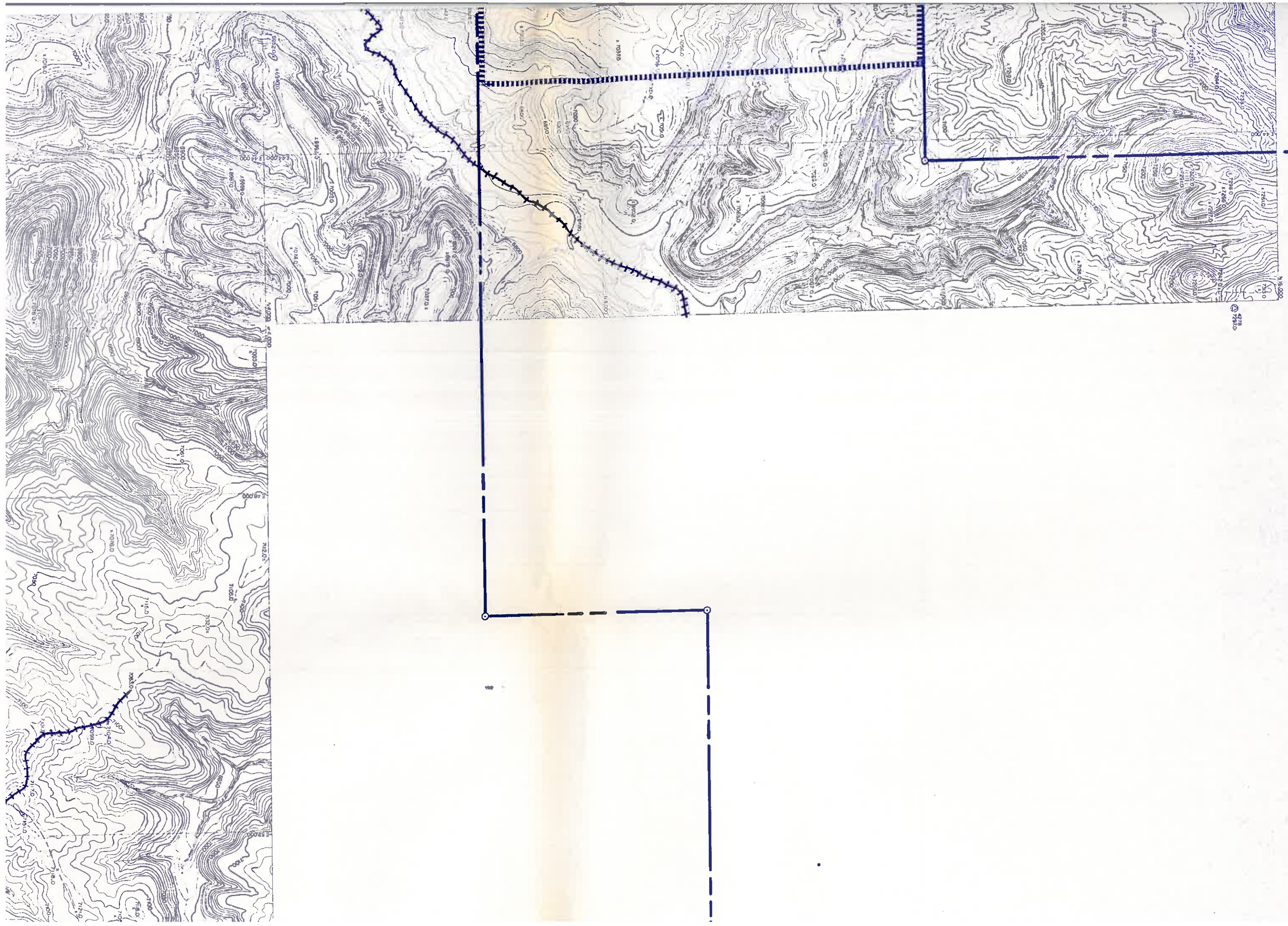
POSTLAW AREA DISTURBED FROM 12-17-77 TO 12-31-94

PRELAW AREA DISTURBED PRIOR TO 12-17-77

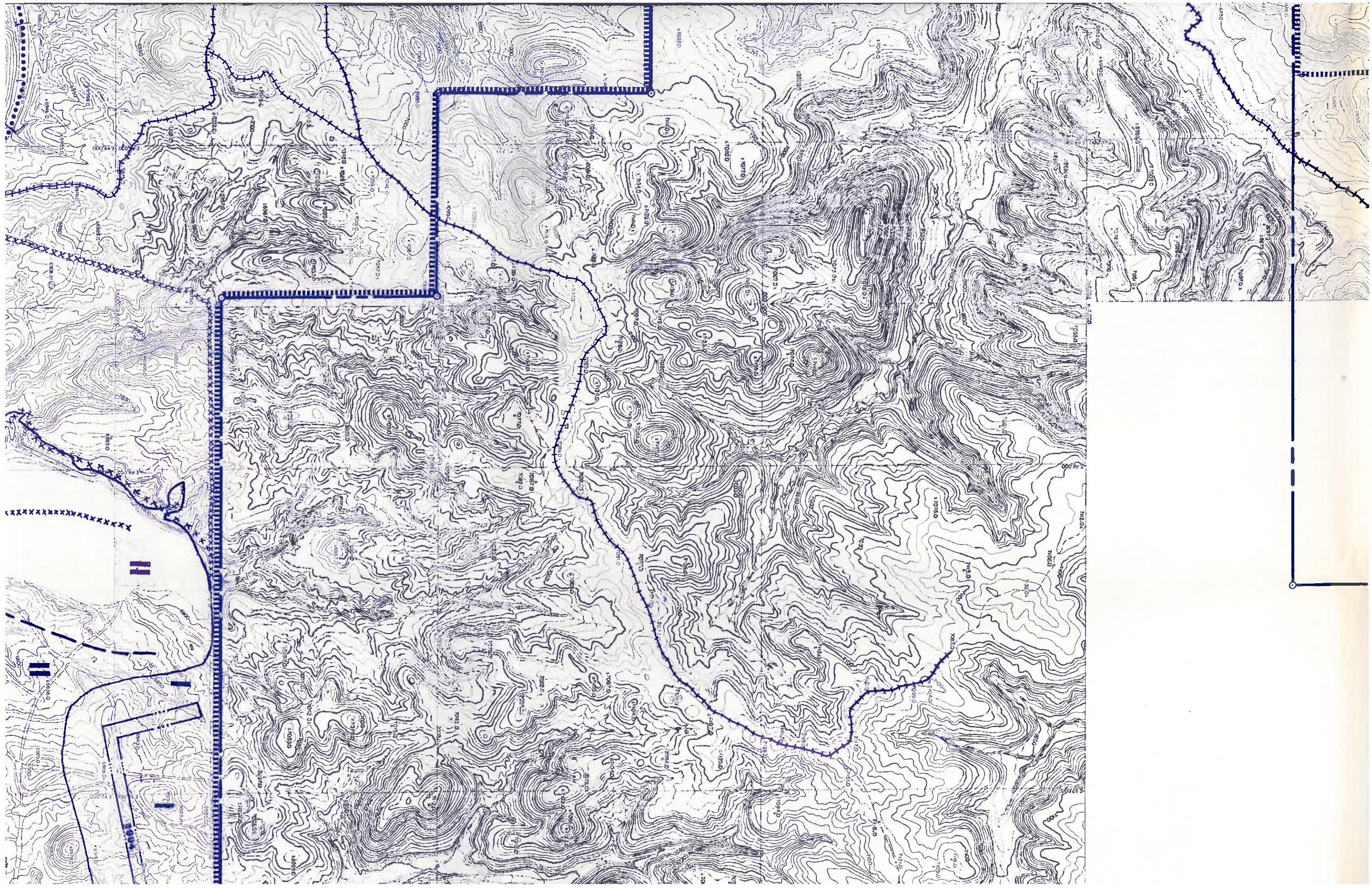
POSTLAW DISTURBED AREA BOUNDARY



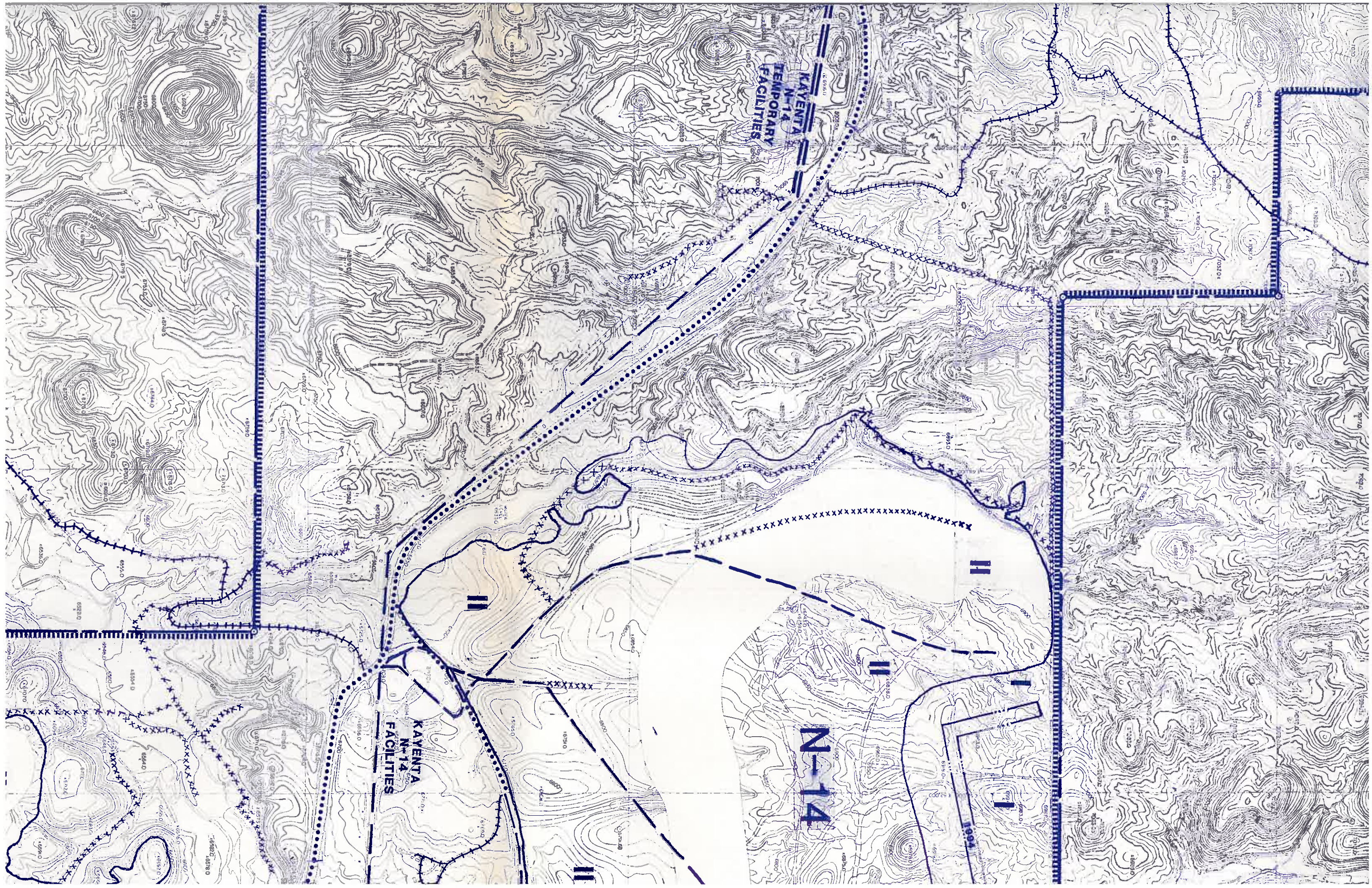












KAYENTA  
N-14  
TEMPORARY  
FACILITIES

KAYENTA  
N-14  
FACILITIES

N-14

1904

||

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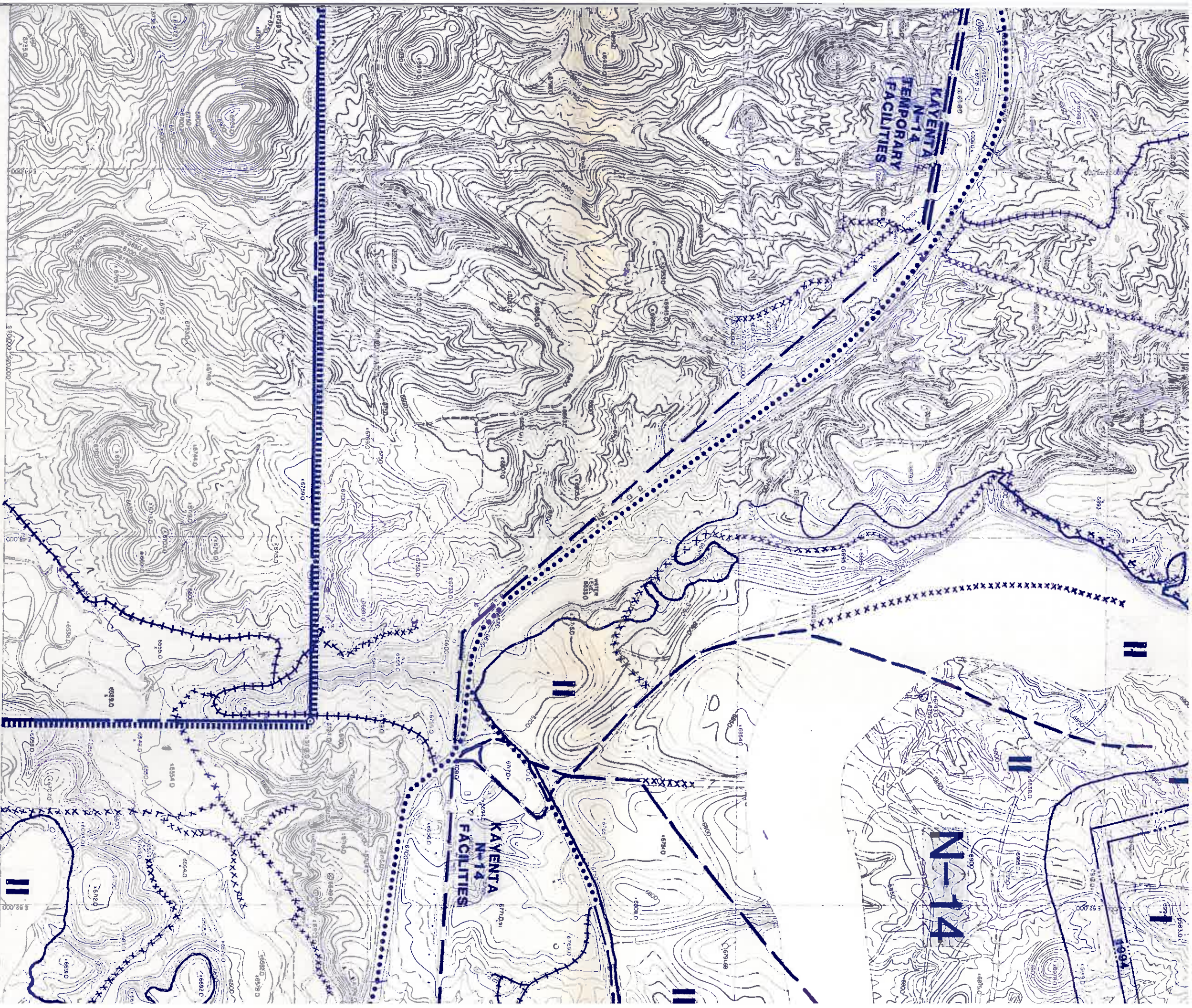
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**KAYENTA  
N-14  
TEMPORARY  
FACILITIES**

**KAYENTA  
N-14  
FACILITIES**

**N-14**

**BODY LEASE LINE**

**AREA OF MINE AREA**

**ESTIMATED FINAL PIT AS OF 12-31-94**

**PERMANENT RECLAMATION AREA AS OF 12-31-94**

**LAW AREA DISTURBED FROM 1-1-81 TO (EST) 12-31-94**

**LAW AREA DISTURBED FROM 12-17-77 TO 12-31-80**

**LAW AREA DISTURBED PRIOR TO 12-17-77**

**LAW DISTURBED AREA BOUNDARY**

**PRIMARY ROAD & RAMPS TO BE RECLAIMED**

**ANCILLARY ROAD TO BE RECLAIMED**

**PERMANENT PRIMARY ROAD**

**PRIVATE ROAD**

**PRE-LAW ROAD (PRIVATE ROAD)**

**PUBLIC ROAD**

1000

VEF