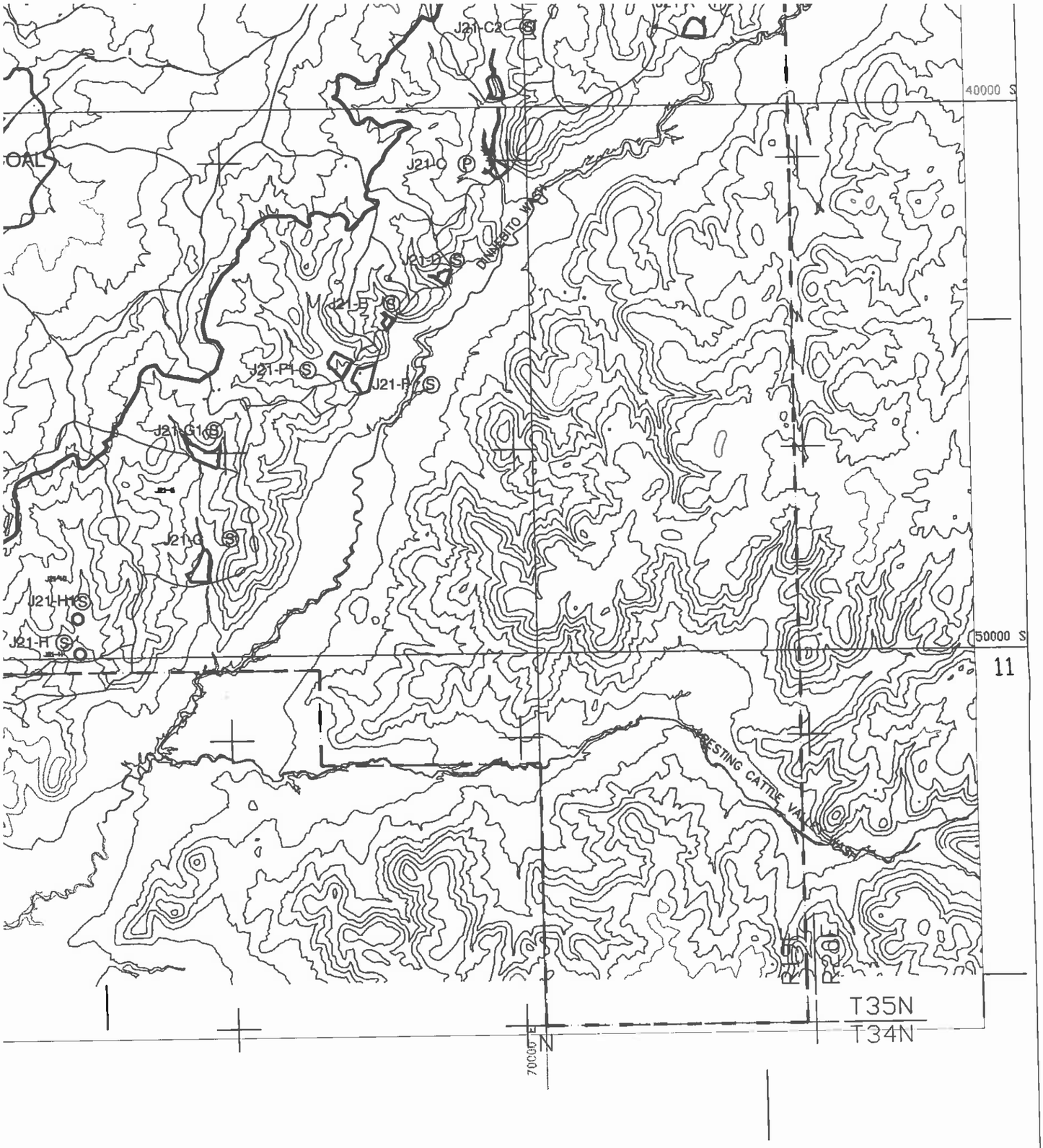


SHEET INDEX

M-7	N-7
M-8	N-8
M-9	N-9
M-10	N-10
M-11	N-11

REVISIONS

CHK'D	DATE	DESCRIPTION
JGS	12/2/96	5 YR. MINE PLAN REV.
JGS	10/10/97	J-7 REV. & OSM RESPONSE
JGS	2/13/98	J-27 PERMIT REV.
JGS	2/13/98	J-21 PERMIT REV.
JGS	2/21/00	OSM PERMIT REV.
JGS	12/07/01	5-YR. MINE PLAN REV.
JGS	01/20/04	5 YR. MINE PLAN REV.
JGS	12/23/04	N-9 & 5 YR. MINE PLAN
JGS	12/15/05	N-9 & 5 YR. MINE PLAN

DRAWING# 85405

(Sheet 2 of 2)

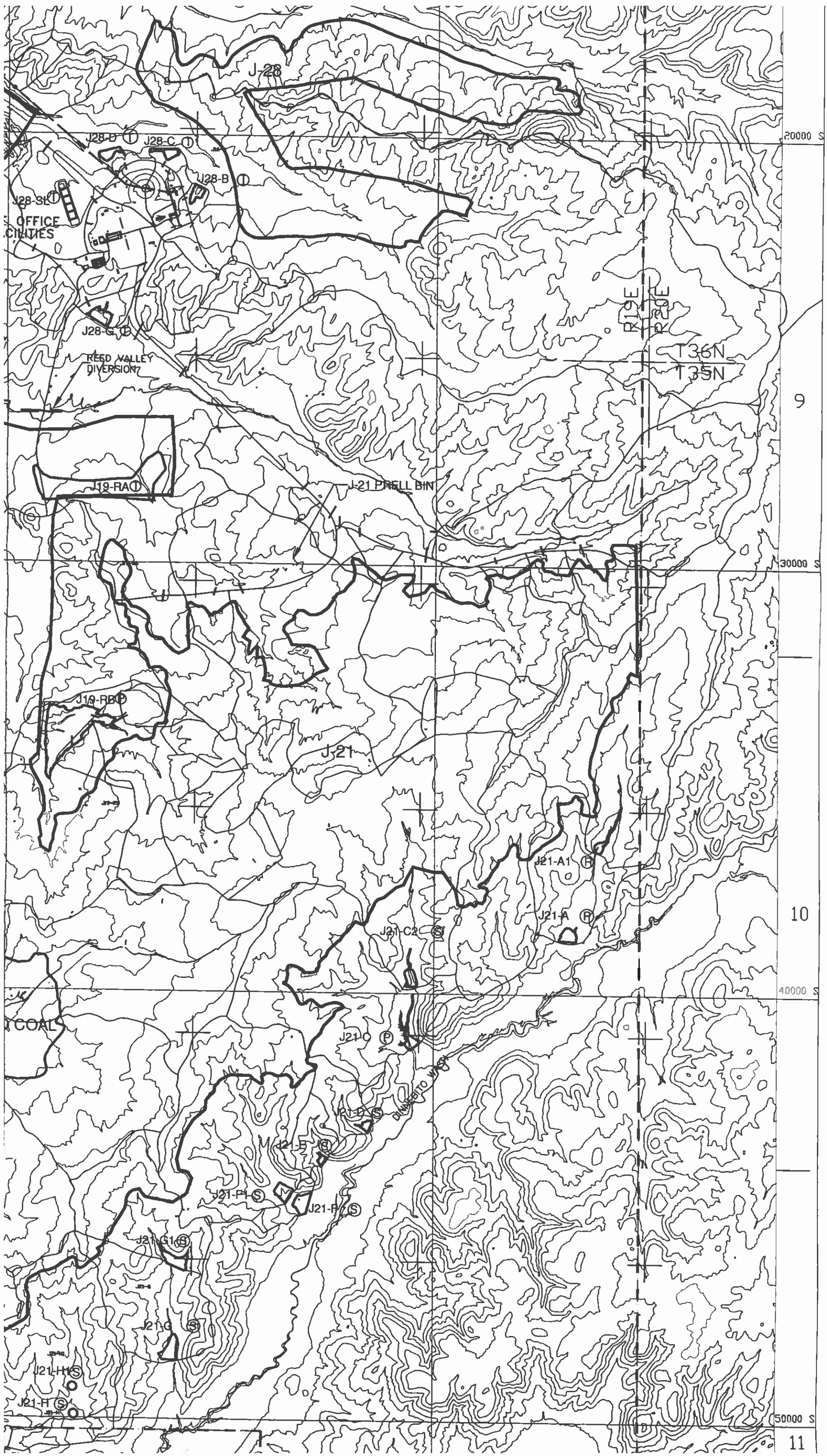
SEDIMENT & WATER CONTROL STRUCTURES MAP

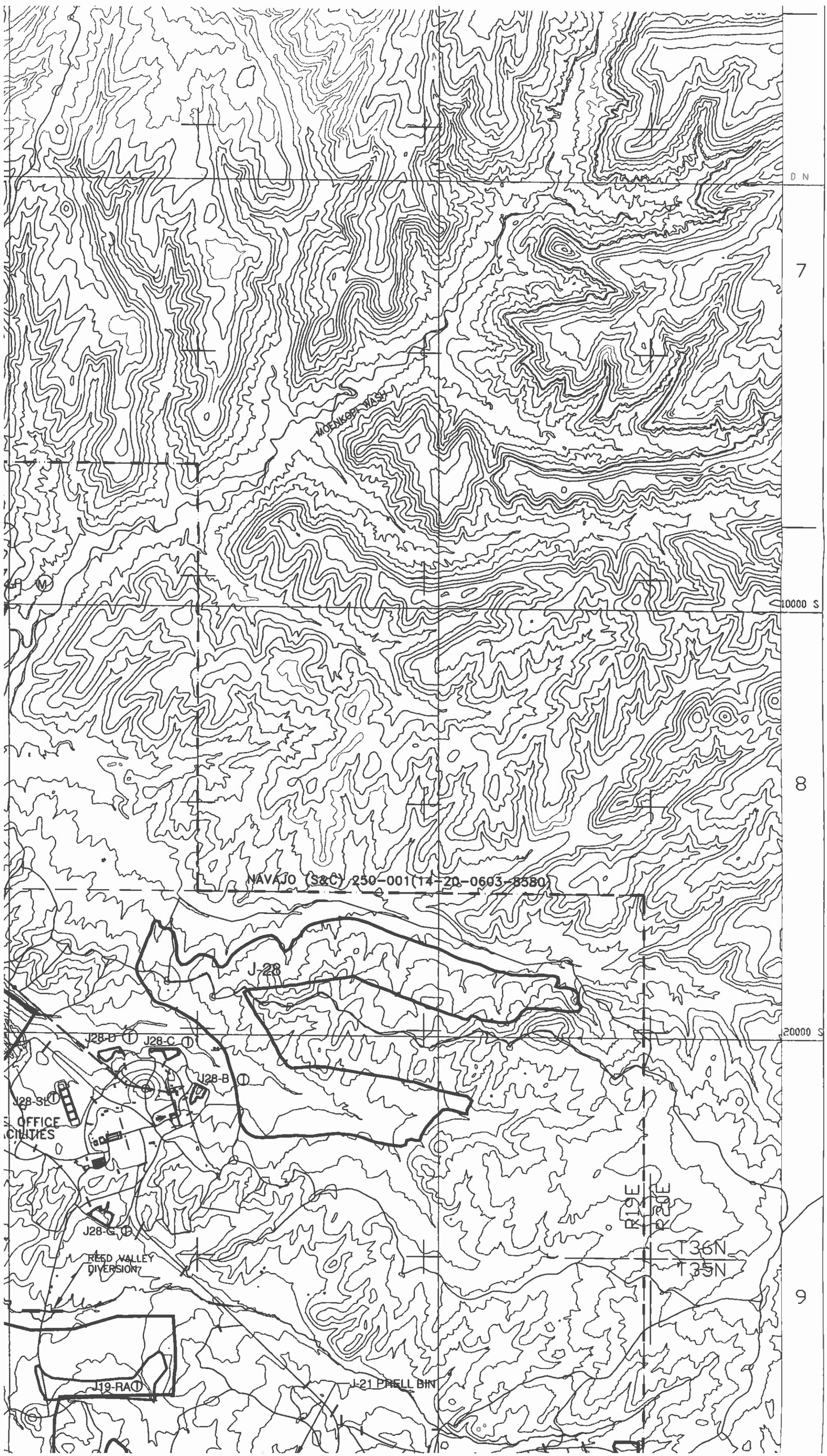
KAYENTA AND BLACK MESA MINES

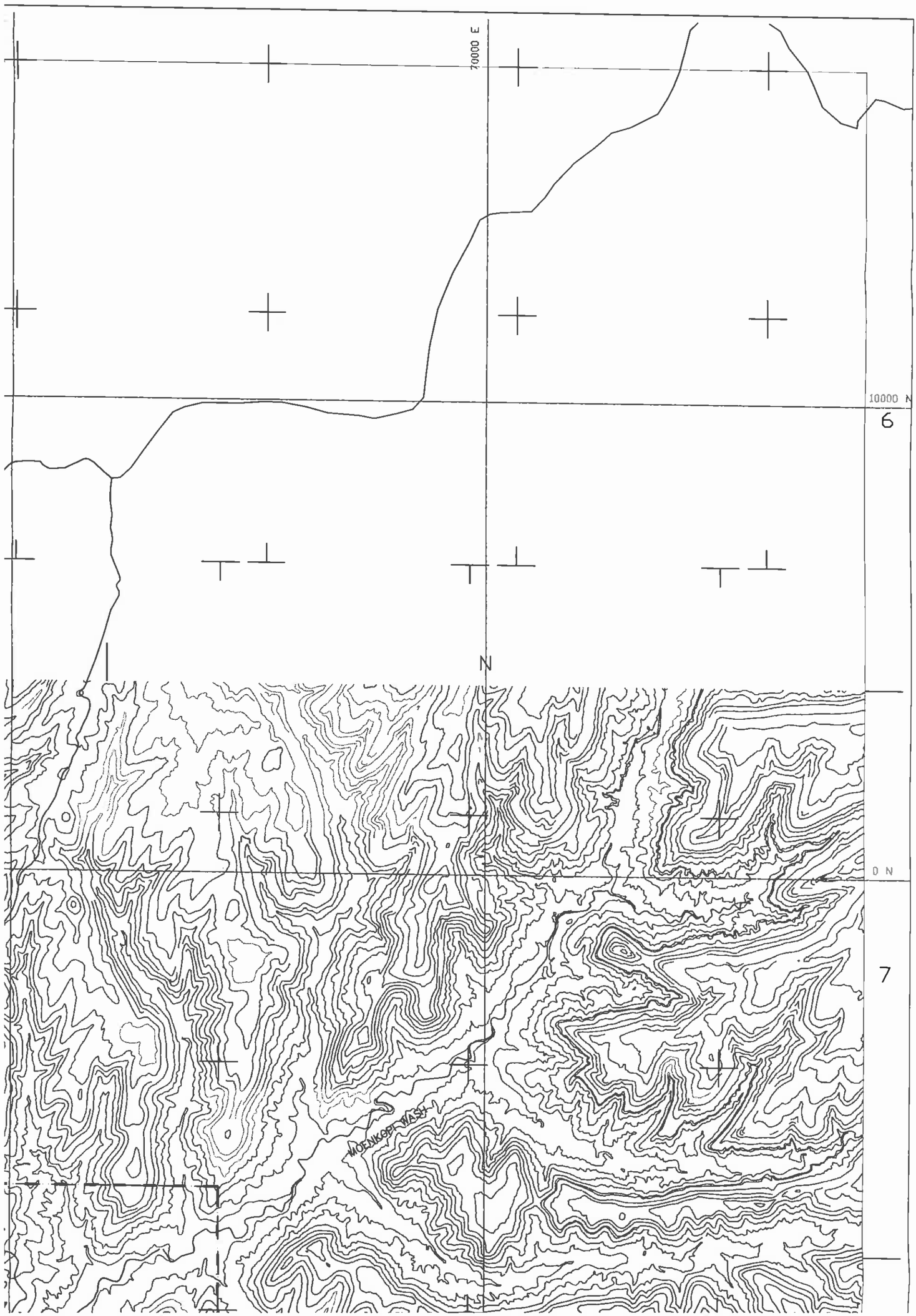
PEABODY WESTERN P.O. BOX 650 KAYENTA AZ, 86033

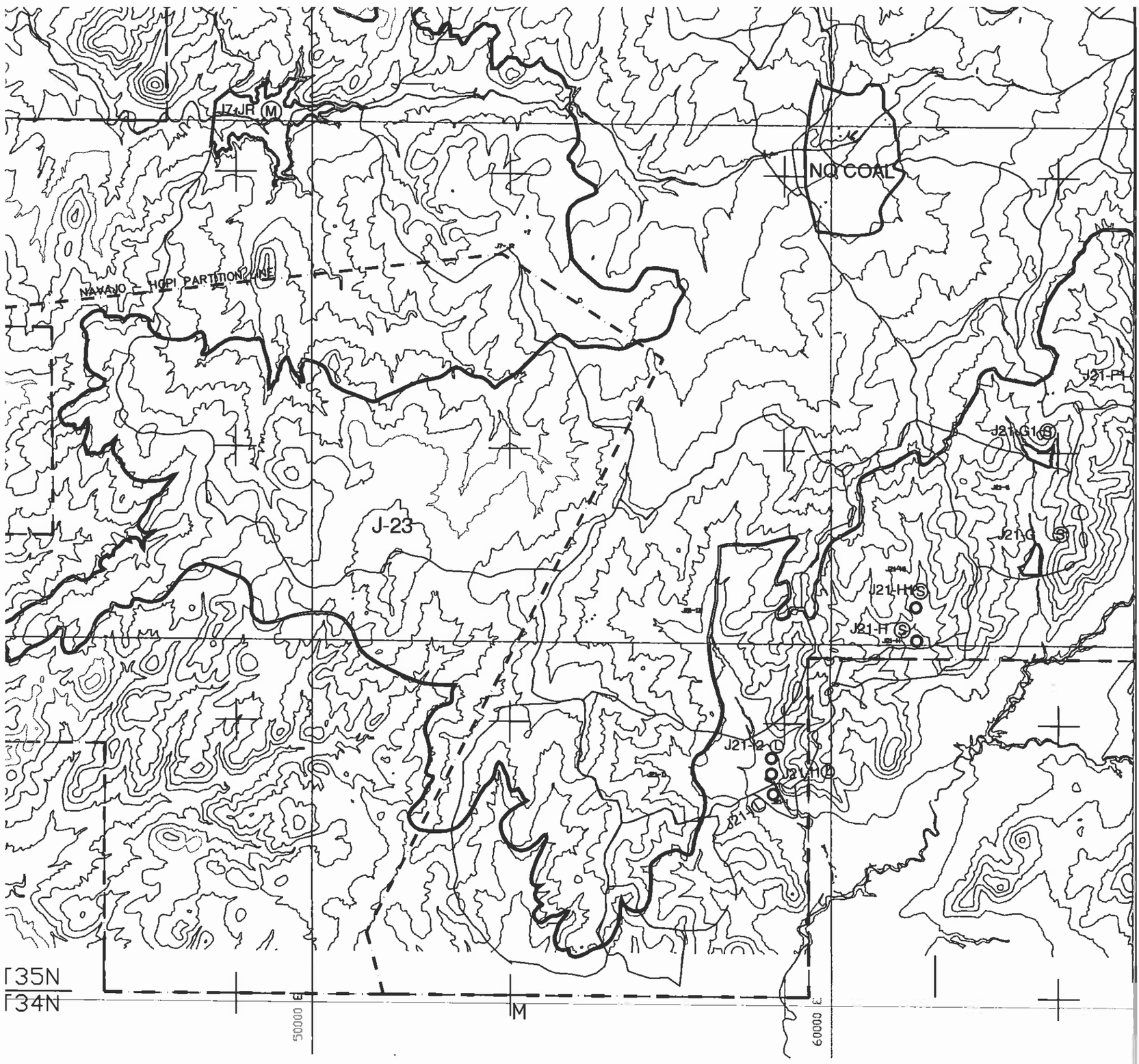
DESIGNED BY: PWCC	SCALE: 1"=2000'
DRAWN BY: PWCC	DRAWING DATE: 12-09-04
CHECKED BY: JGS	PHOTO DATE: 11-19-84
CONTOUR INTERVAL: 40'	

DRAWING FILE: 120234_N9_85405_2of2.DWG


J-28
J28-D
J28-C
J28-B
J28-SL
OFFICE
CILITIES
J28-G
REED VALLEY
DIVERSION
R19E
R20E
T36N
T35N
9
J19-RA
J-21 PRELL BIN
J19-RB
J-21
J21-A1
J21-A
J21-C2
10
COALS
J21-O
J21-D
J21-E
J21-P1
J21-P2
J21-G1
J21-G
J21-H1
J21-H
20000 S
30000 S
40000 S
50000 S
11


D N
7
MOENKOPI WASH
10000 S
8
NAVAJO (S&C) 250-001(14-20-0603-8580)
J-28
20000 S
J28-D
J28-C
J28-B
J28-SL
OFFICE
CILITIES
J28-G
REED VALLEY
DIVERSION
R19E
R20E
T36N
T35N
9
J19-RA
J-21 PRELL BIN


10000 E
10000 N
6
N
0 N
7
MOENKOPI WASH



1, Chapter 6,
Plan' and

ENGINEER'S CERTIFICATION

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18782
JAMES G. VOGT
Date Signed
ARIZONA U.S.A.

ENGINEER

DEC 13 2005
DATE

-N-

SCALE: 1" = 2000'

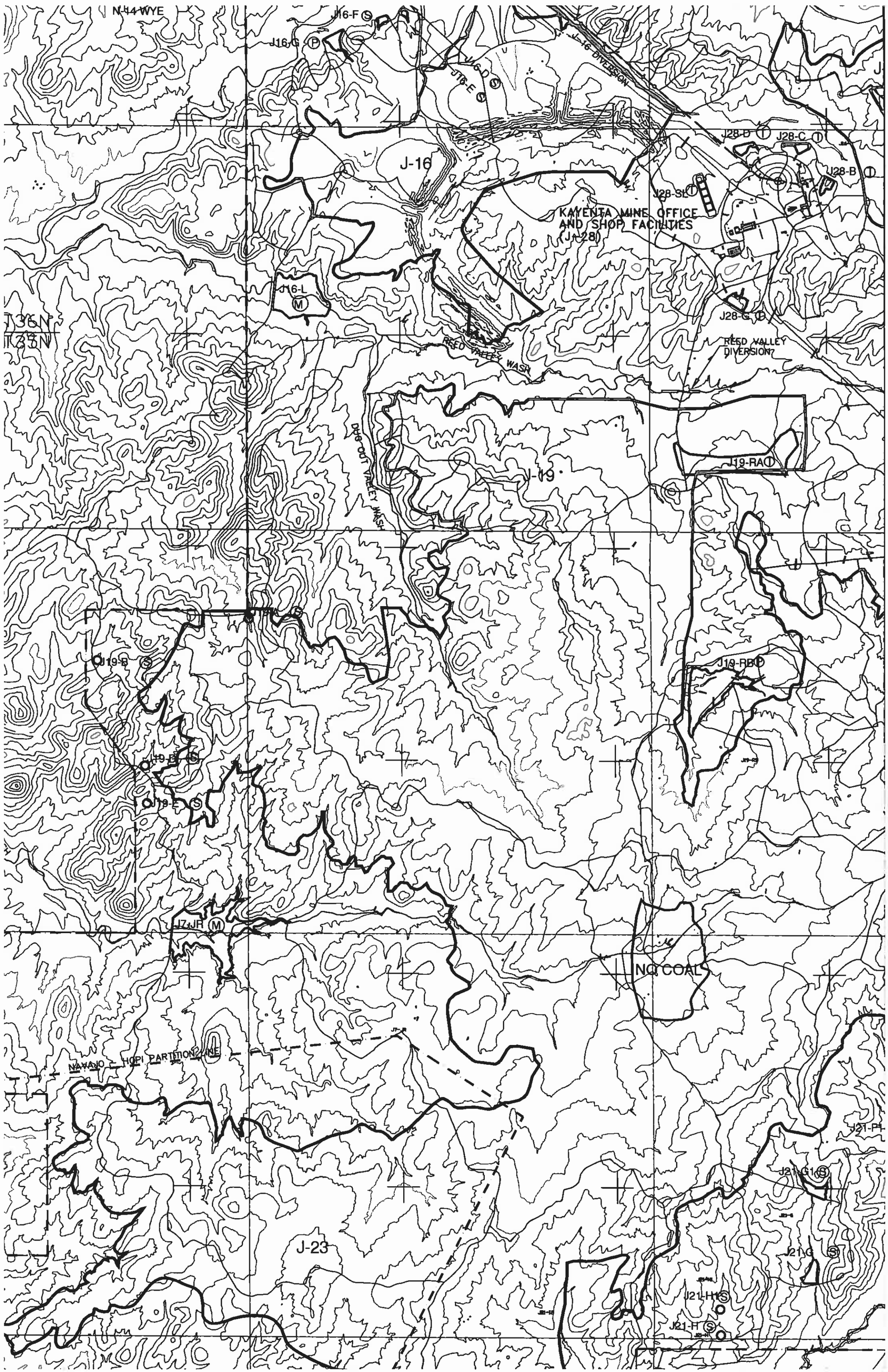
SHEET INDEX

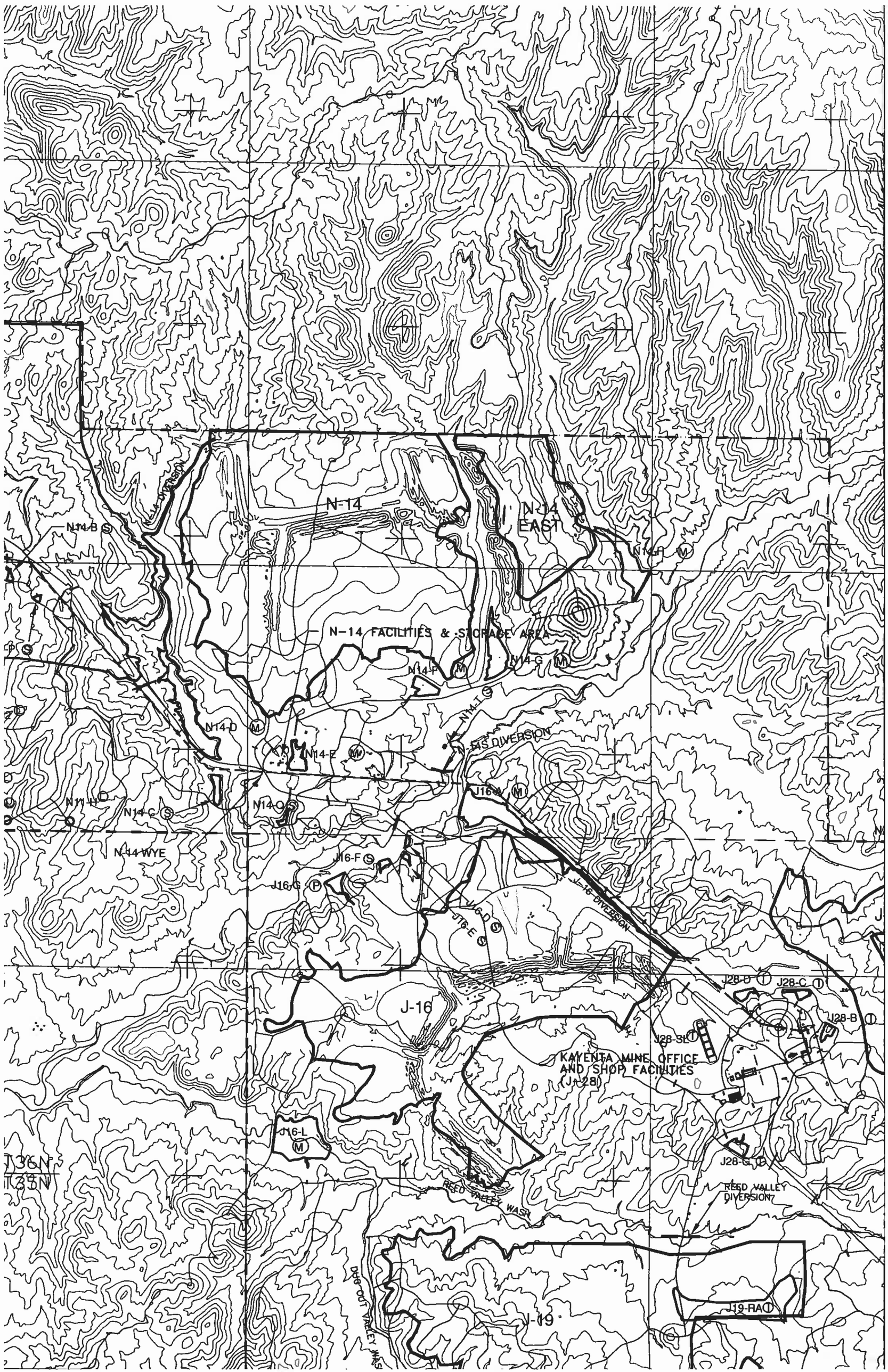
K-6	L-6		
K-7	L-7	M-7	N-7
K-8	L-8	M-8	N-8
K-9	L-9	M-9	N-9
K-10	L-10	M-10	N-10
K-11	L-11	M-11	N-11

RE

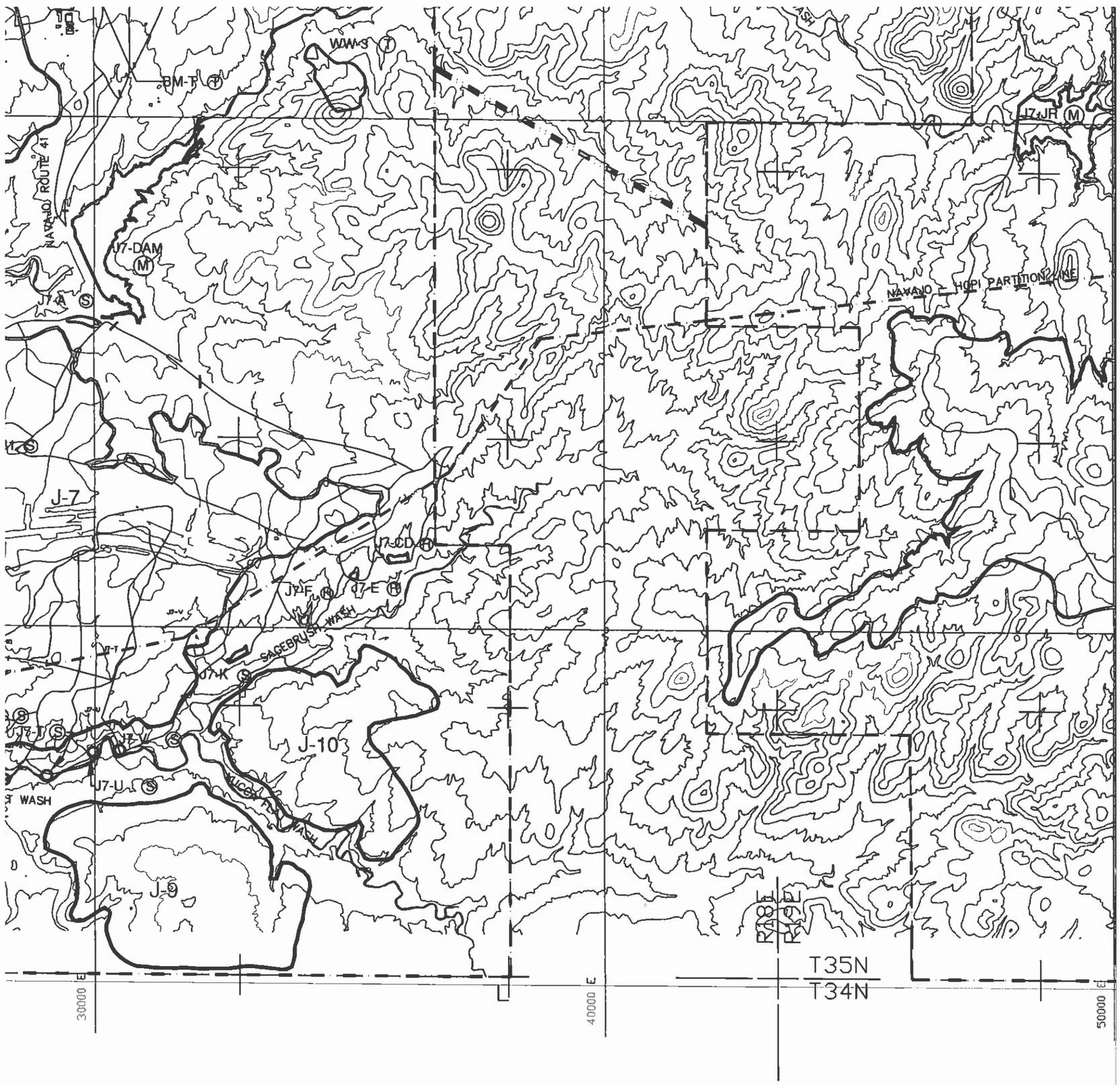
CHK'D	DATE	
JGS	12/2/96	5
JGS	10/10/97	J
JGS	2/13/98	J
JGS	2/13/98	J
JGS	2/21/00	D
JGS	12/07/01	5
JGS	01/20/04	5
JGS	12/23/04	N
JGS	12/15/05	N

I


N-14 WYE
J16-F
J16-G
J16-D
J16-E
J-16 DIVERSION
J-16
J28-D
J28-C
J28-B
J28-SE
KAYENTA MINE OFFICE
AND SHOP FACILITIES
(J-28)
J16-L
J28-G
RED VALLEY
DIVERSION
RED VALLEY WASH
T36N
T35N
DRY OUT VALLEY WASH
J-19
J19-RA
J19-RB
J19-B
J19-D
J19-E
J17-JR
NO COALS
NAVAJO - HOPI PARTITION LINE
J21-P1
J21-G1
J21-G
J21-H1
J21-H
J-23


N-14
N-14 EAST
N14-B
N14-H
N-14 FACILITIES & STORAGE AREA
N14-P
N14-G
N14-T
N14-D
N14-E
N-14 DIVERSION
J16-N
N14-H
N14-C
N14-O
N-14 WYE
J16-F
J16-G
J16-D
J16-E
J-16 DIVERSION
J28-D
J28-C
J28-B
J28-SL
KAVENTA MINE OFFICE
AND SHOP FACILITIES
(J-28)
J-16
J16-L
J28-G
REED VALLEY
DIVERSION
REED VALLEY WASH
J19-RA
J-19
T36N
T35N

N-14
N-14-B
COAL MINE WASH
PIPE
M
50000 E
60000 E



ND FOR THE FIVE YEAR TERM (2006-2010)
ND FOR THE REMAINING LIFE-OF-MINE (2011-2023)

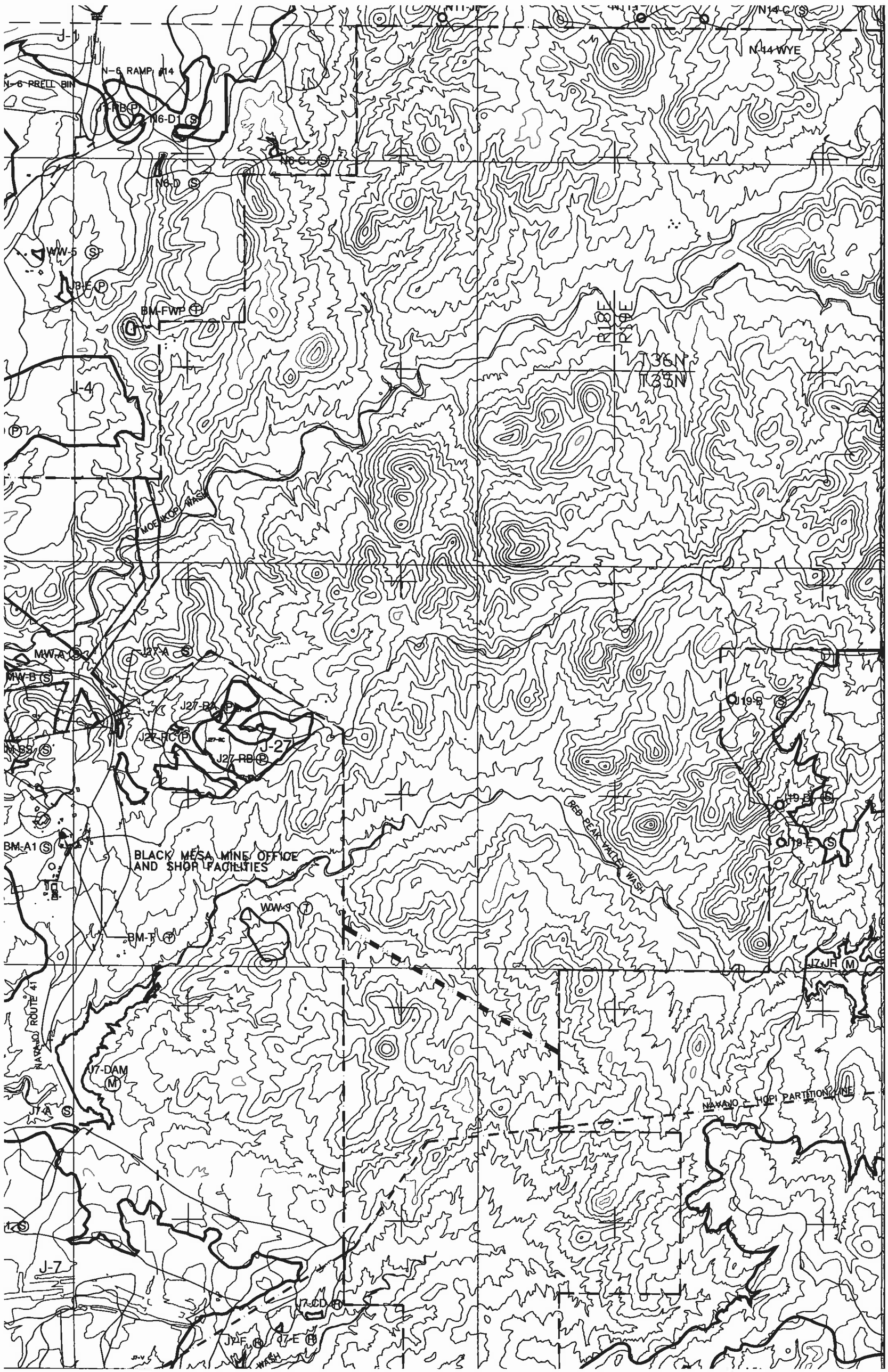
T (01-01-06)
(01-01-06)
06)
06)

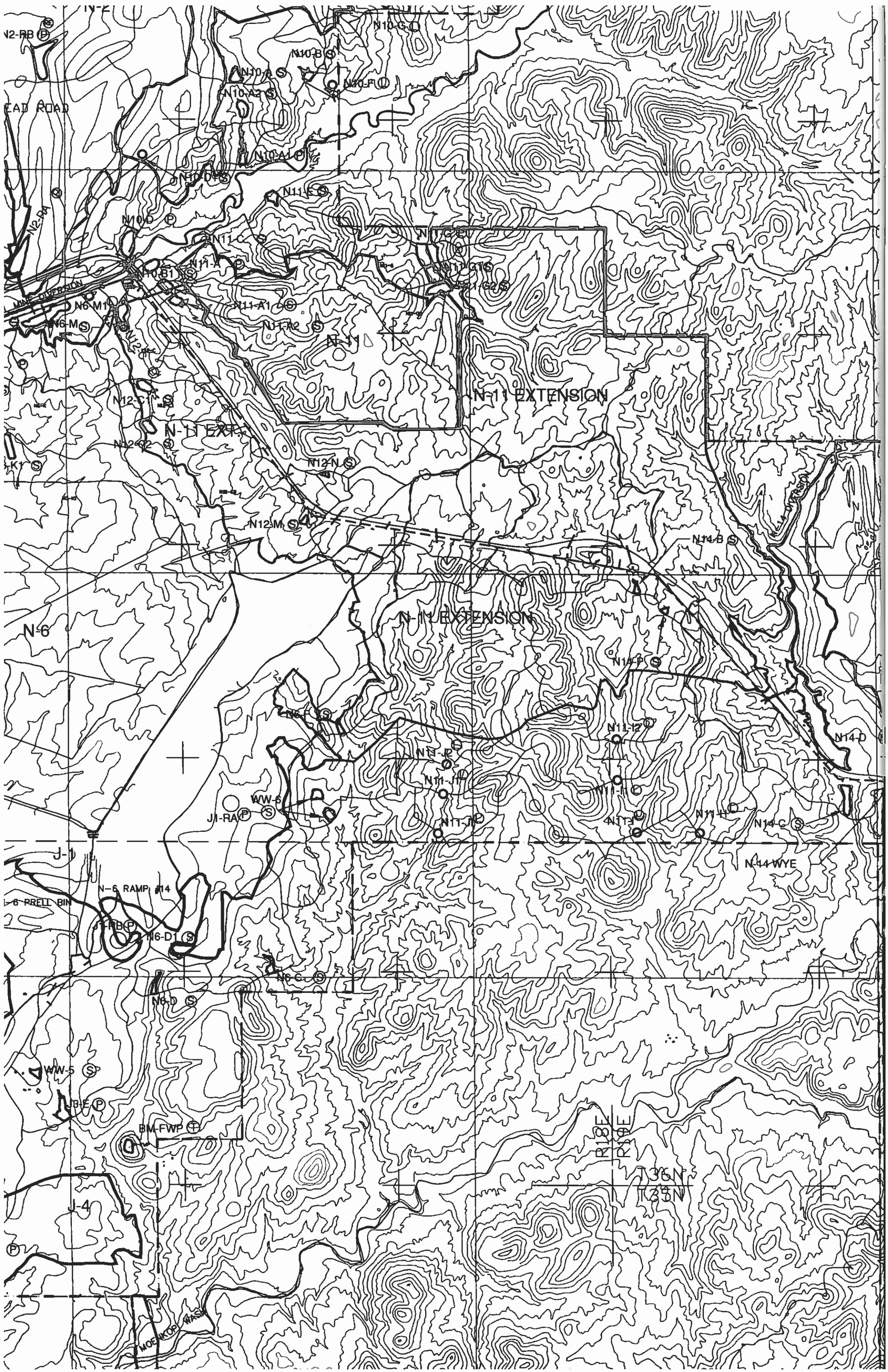
NOTES:

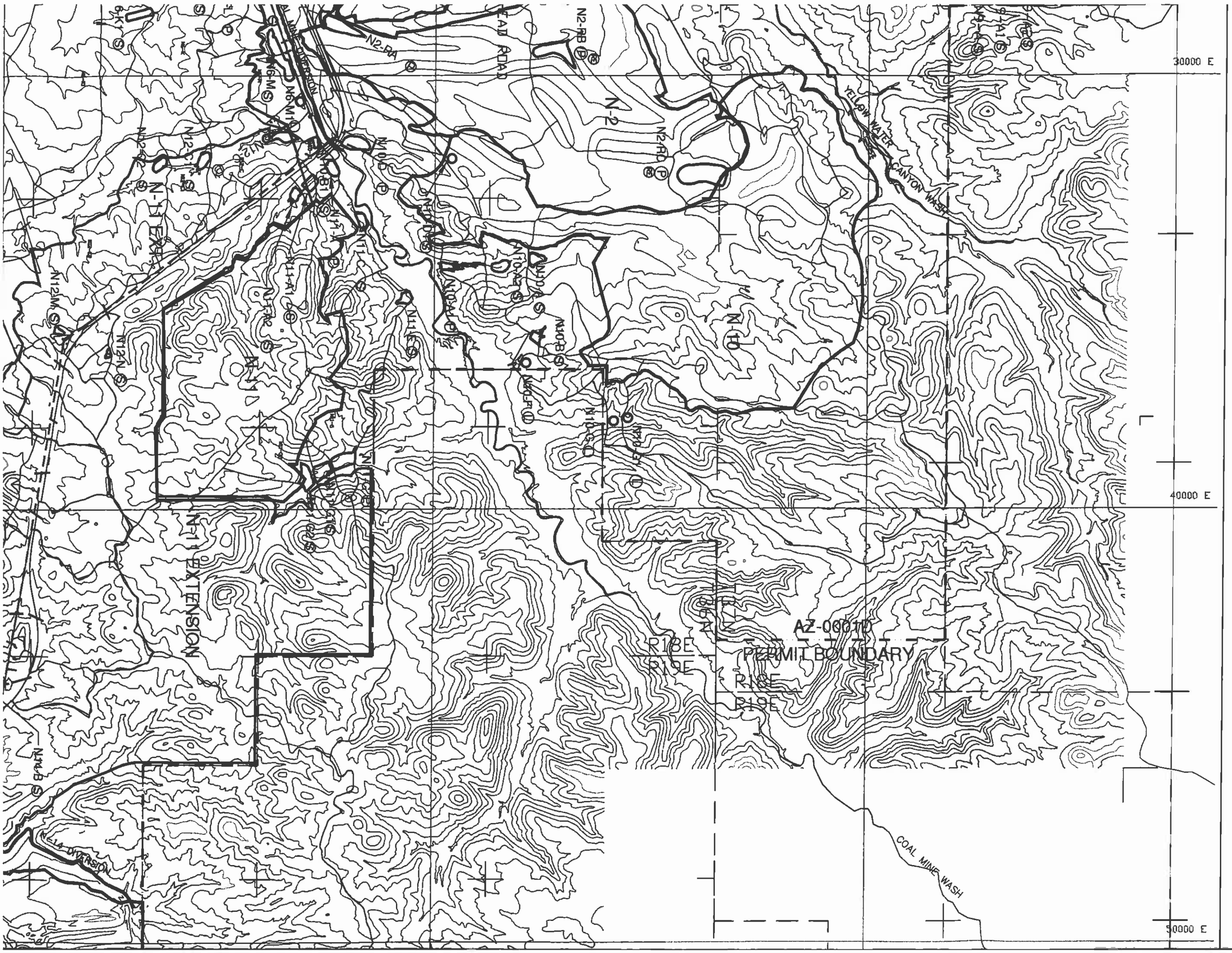
1. For additional information, see Volume 1, Chapter 6, 'Sediment and Water Control Facility Plan' and Drawing No. 85400

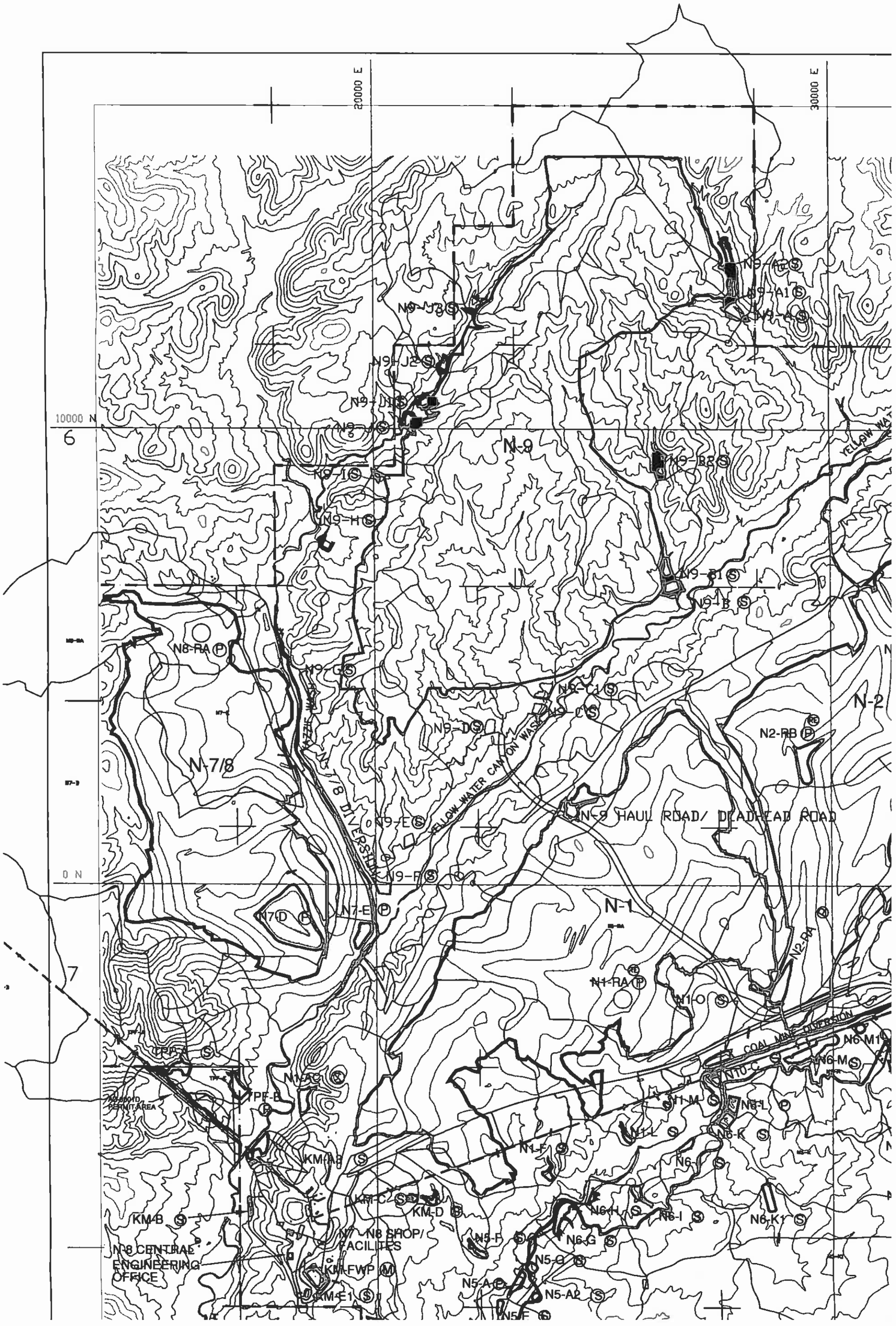
ENGINEER'S CE

Registered Professional Engineer (Civil)
CERTIFICATE No. 18782
JAMES C. VOGT
ENGINEER
Date Signed
ARIZONA U.S.A.

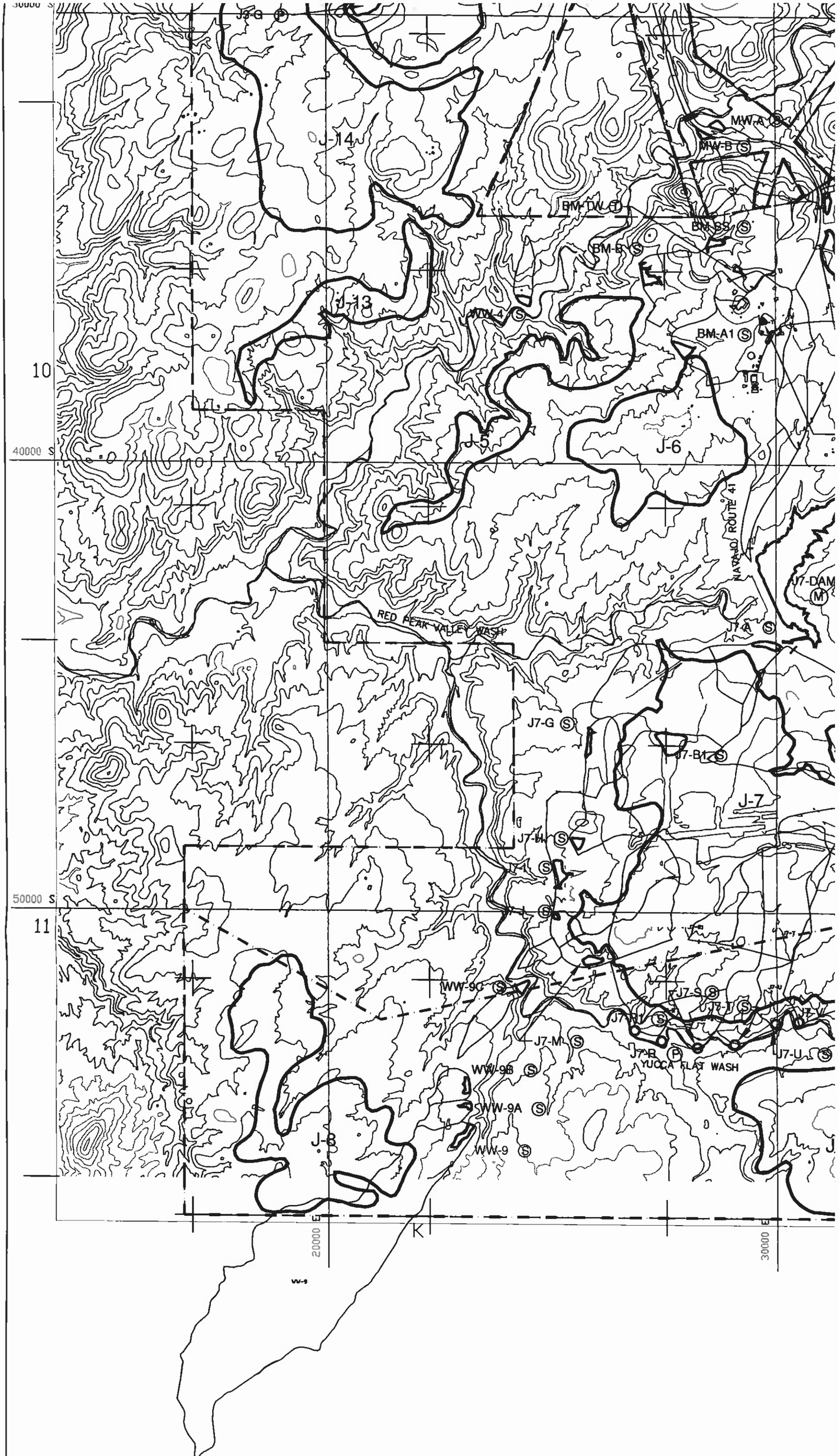

N-14 WYE
N-6 RAMP #14
N-6 RRELL BIN
N6-D1
N6-C
N6-D
WW-5
J3-E
BM-FWP
R18E
R19E
T36N
T35N
J-4
MOENKOPI WASH
MW-A
MW-B
J27-A
J27-BA
J27-BC
J27-BB
J27-RC
J27-RB
J-27
BM-B3
BM-A1
BLACK MESA MINE OFFICE
AND SHOP FACILITIES
WW-9
BM-T
J19-B
J19-D
J19-E
RED PEAK VALLEY WASH
J7-JR
NAVAJO ROUTE 41
J7-DAM
J7-A
NAVAJO - HOPI PARTITION LINE
J-7
J7-CD
J7-F
J7-E
WASH


N-11
N-11 EXTENSION
N-11 EXTENSION
N-11 EXT.
N-6
N-6 RAMP #14
J-1
J-4
N10-G
N10-B
N10-A
N10-A2
N10-F
N10-A1
N10-D
N11-E
N10-D
N11-C
N11-A
N10-B1
N6-M1
N6-M
N11-A1
N11-A2
N12-C
N12-K
N12-N
N12-M
N14-B
N14-P
N11-12
N14-D
N11-P
N11-J1
N11-I
N11-J
N11-H
N14-C
N14-WYE
WW-6
J1-RA
N6-D1
N6-C
N6-D
WW-5
BM-FWP
T36N
T35N
R13E
R14E
MOENKOPI WASH


30000 E
40000 E
50000 E
N-2
N-10
N-11 EXTENSION
N2-RA
N2-RB
N2-RD
N6-M1
N6-M10
N6-M9
N11-A1
N11-A2
N11-B1
N11-C
N11-D
N11-E
N11-F
N11-G
N10-A1
N10-A2
N10-B
N10-C
N10-D
N10-E
N10-F
N10-G
N12-1
N12-2
N12-3
N12M
N14-B
N14-D
YELLOW WATER CANYON WASH
COAL MINE WASH
AZ-0001D
PERMIT BOUNDARY
R18E
R19E


20000 E
30000 E
10000 N
0 N
6
7
N-9
N-7/8
N-1
N-2
N9-A2
N9-A1
N9-A
N9-J3
N9-J2
N9-J1
N9-J
N9-I
N9-H
N9-B2
N9-B1
N9-B
N8-RA
N9-G
N9-C1
N9-C
N9-D
N2-RB
N9-E
N9-F
N7-D
N7-E
N1-RA
N1-O
N2-RA
N6-M1
N6-M
N10-C
N1-M
N6-L
N1-L
N6-K
N1-F
N6-J
N6-H
N6-I
N6-K1
N5-F
N6-G
N5-G
N5-A
N5-A2
N5-E
KM-B
KM-C2
KM-D
KM-FWP
KM-E1
N7-N8 SHOP/ FACILITIES
N8 CENTRAL ENGINEERING OFFICE
PF-B
N1-C
YELLOW WATER CANYON WASH
N-9 HAUL ROAD/ DEADHEAD ROAD
N7/8 DIVERSION
COAL MINE DIVERSION
PERMIT AREA

40000 S
30000 S
20000 S
10000 S
10
9
8
COAL MINE WASH
YELLOW WATER CANYON WASH
PWCC AIRPORT
CENTRAL WAREHOUSE AND OPERATIONS
ENGINEERING OFFICE
ROUTE 41
J-13
J-14
J-5
J-6
J-4
J-3
J2
J1
N-6
BM-A1
BM-B
BM-B2
BM-D
BM-E
BM-F
WW-A
WW-B
WW-4
WW-5
WW-2
J3-A
J3-B
J3-D
J3-F
J3-H
J3-I
J1-A
CW-A
N-6 RBCLL BIN
N-9 RBCLL BIN
N5-A1
N5-A2
N5-D
N5-E
N6-E
KMF-WP
KMF-1

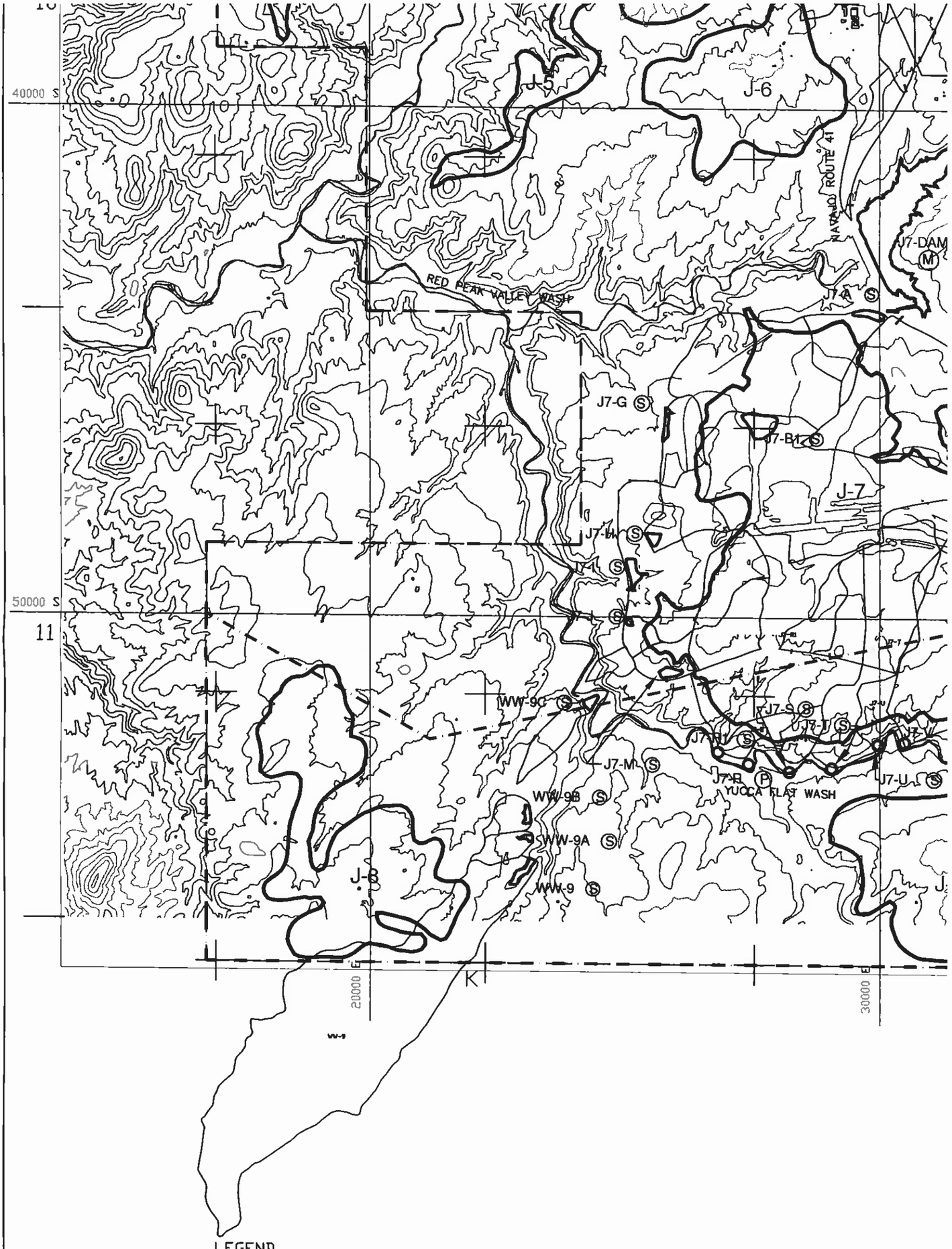


LEGEND

AZ-0001/AZ-0001D PERMIT BOUNDARY

LEASE BOUNDARY

TEMPORARY SEDIMENT POND FOR THE FIVE

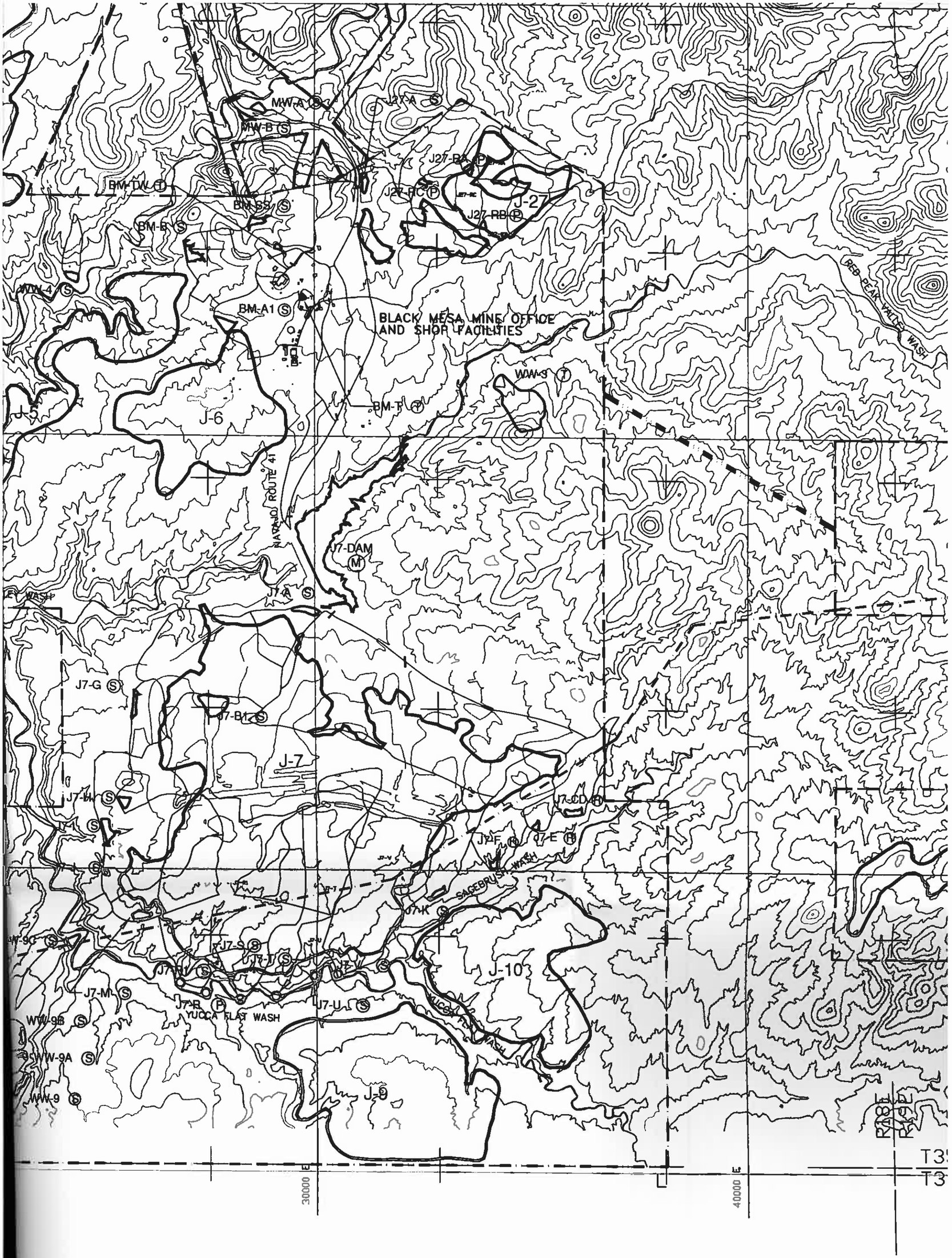


LEGEND

- AZ-0001/AZ-0001D PERMIT BOUNDARY
- LEASE BOUNDARY
- NAVAJO-HOPI PARTION
- COAL RECOVERY LINE
- PRE-LAW AREA (12-16-77)
- WATERSHED BOUNDARY
- EXISTING IMPOUNDMENT
- PROPOSED IMPOUNDMENT
- CULVERTS
- (S) TEMPORARY SEDIMENT POND FOR THE FIVE
- (L) TEMPORARY SEDIMENT POND FOR THE REMAI
- (M) MSHA-SIZE DAM
- (T) TEMPORARY IMPOUNDMENT
- (P) PERMANMENT IMPOUNDMENT (01-01-06)
- (R) PONDS TO BE RECLAIMED (01-01-06)
- (RE) PONDS RELEASED (01-01-06)
- (G) PONDS RECLAIMED (01-01-06)
- DIVERSIONS
- + SECTION CORNER

N-1
N-2
N-8
N-9 HAUL ROAD/ DEADHEAD ROAD
N-11 EXTENSION
N-11 ENC
N-11 INC
N-10
N-10 ENC
N-10 INC
N-9 ENC
N-9 INC
N-9 ENC
N-9 INC
N-8 ENC
N-8 INC
N-8 ENC
N-8 INC
N-7 ENC
N-7 INC
N-6 ENC
N-6 INC
N-5 ENC
N-5 INC
N-4 ENC
N-4 INC
N-3 ENC
N-3 INC
N-2 ENC
N-2 INC
N-1 ENC
N-1 INC
N-1 ENC
N-1 INC
N-1 ENC
N-1

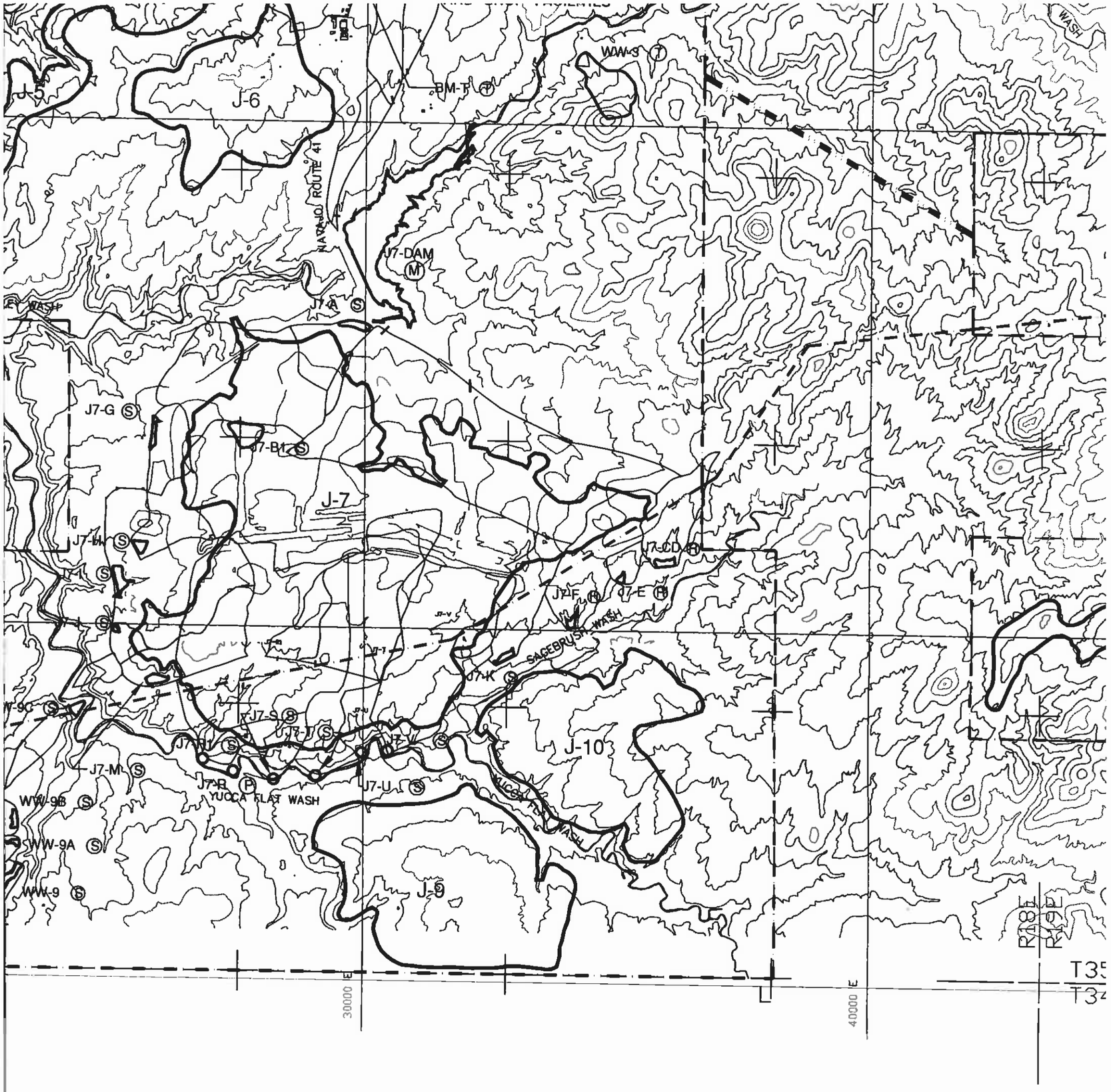
WAREHOUSE OPERATIONS
N-6
N-11 EXTENSION
N-5 RAMP #14
N-6 PRELL BIN
BLACK MESA MINE OFFICE AND SHOP FACILITIES
ROUTE 41
R18E
R19E
J-2
J-3
J-4
J-5
J-6
J-7
J-8
J-9
J-10
J-11
J-12
J-13
J-14
J-15
J-16
J-17
J-18
J-19
J-20
J-21
J-22
J-23
J-24
J-25
J-26
J-27
J-28
J-29
J-30
J-31
J-32
J-33
J-34
J-35
J-36
J-37
J-38
J-39
J-40
J-41



TEMPORARY SEDIMENT POND FOR THE FIVE YEAR TERM (2006-2010)
TEMPORARY SEDIMENT POND FOR THE REMAINING LIFE-OF-MINE (2011-2023)

NOTES:

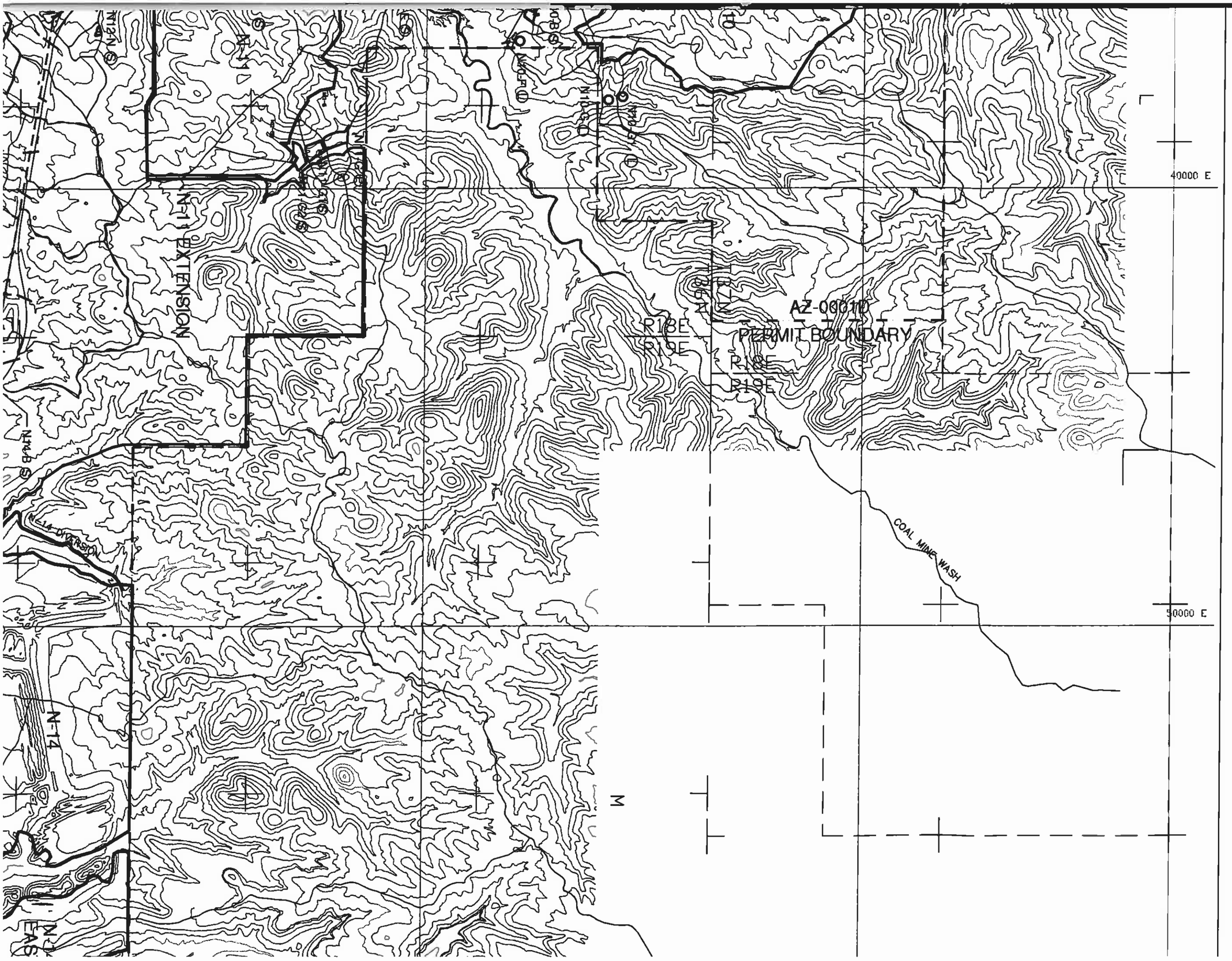
1. For additional information, see Volume 1, "Sediment and Water Control Facility Di

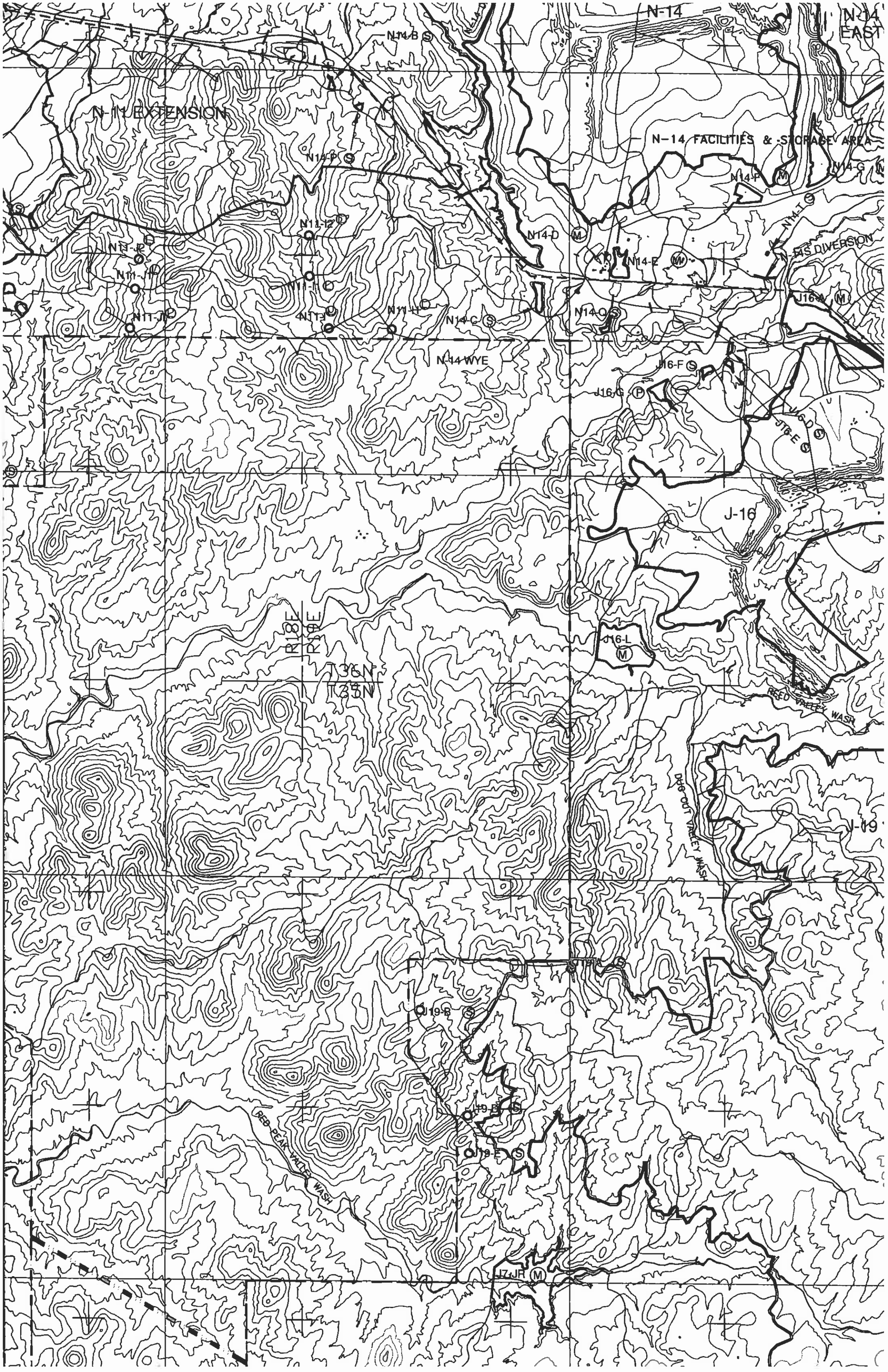


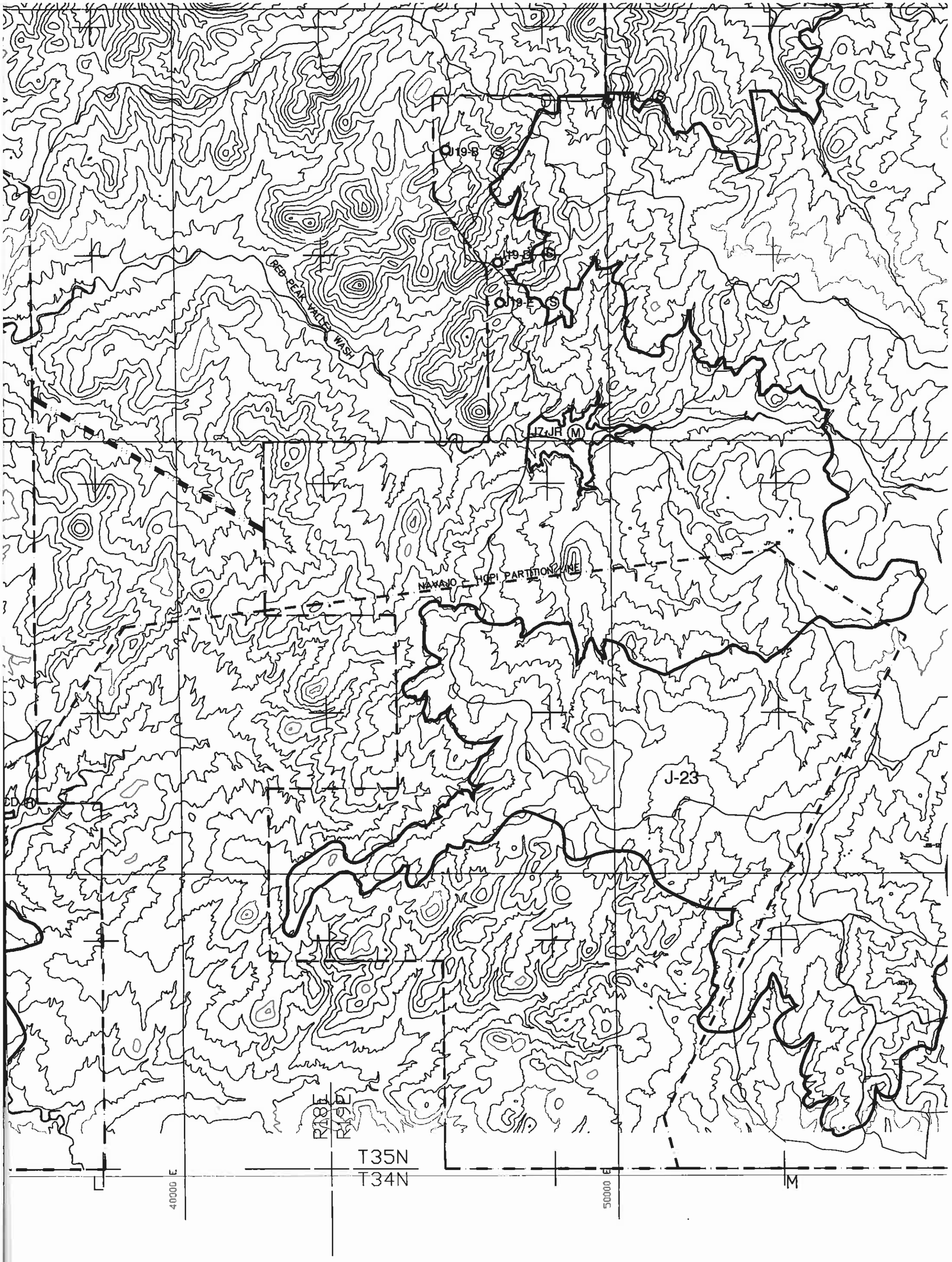
S TEMPORARY SEDIMENT POND FOR THE FIVE YEAR TERM (2006-2010)
D TEMPORARY SEDIMENT POND FOR THE REMAINING LIFE-OF-MINE (2011-2023)
M MSHA-SIZE DAM
T TEMPORARY IMPOUNDMENT
P PERMANMENT IMPOUNDMENT (01-01-06)
R PONDS TO BE RECLAIMED (01-01-06)
E PONDS RELEASED (01-01-06)
G PONDS RECLAIMED (01-01-06)
DIVERSIONS
SECTION CORNER

NOTES:

1. For additional information, see Volume 1, "Sediment and Water Control Facility Plan Drawing No. 85400


N-12N
N-11
N-11 EXTENSION
N-14 DIVERSION
N-14
N-14
N-13
N-13
N-13


N-14
N-14 EAST
N14-B
N-11 EXTENSION
N-14 FACILITIES & STORAGE AREA
N14-P
N14-F
N14-G
N14-T
N11-12
N14-D
N11-P
N14-E
N-14 DIVERSION
N11-J
N11-I
J16-A
N11-H
N11-J
N11-H
N14-C
N14-O
N-14 WYE
J16-F
J16-G
J16-E
J-16
R18E
R19E
T36N
T35N
J16-L
REED VALLEY WASH
BIG OUT VALLEY WASH
J-19
J19-B
J19-E
RED PEAK VALLEY WASH
J7-JR



NOTES:

1. For additional information, see Volume 1, Chapter 6,

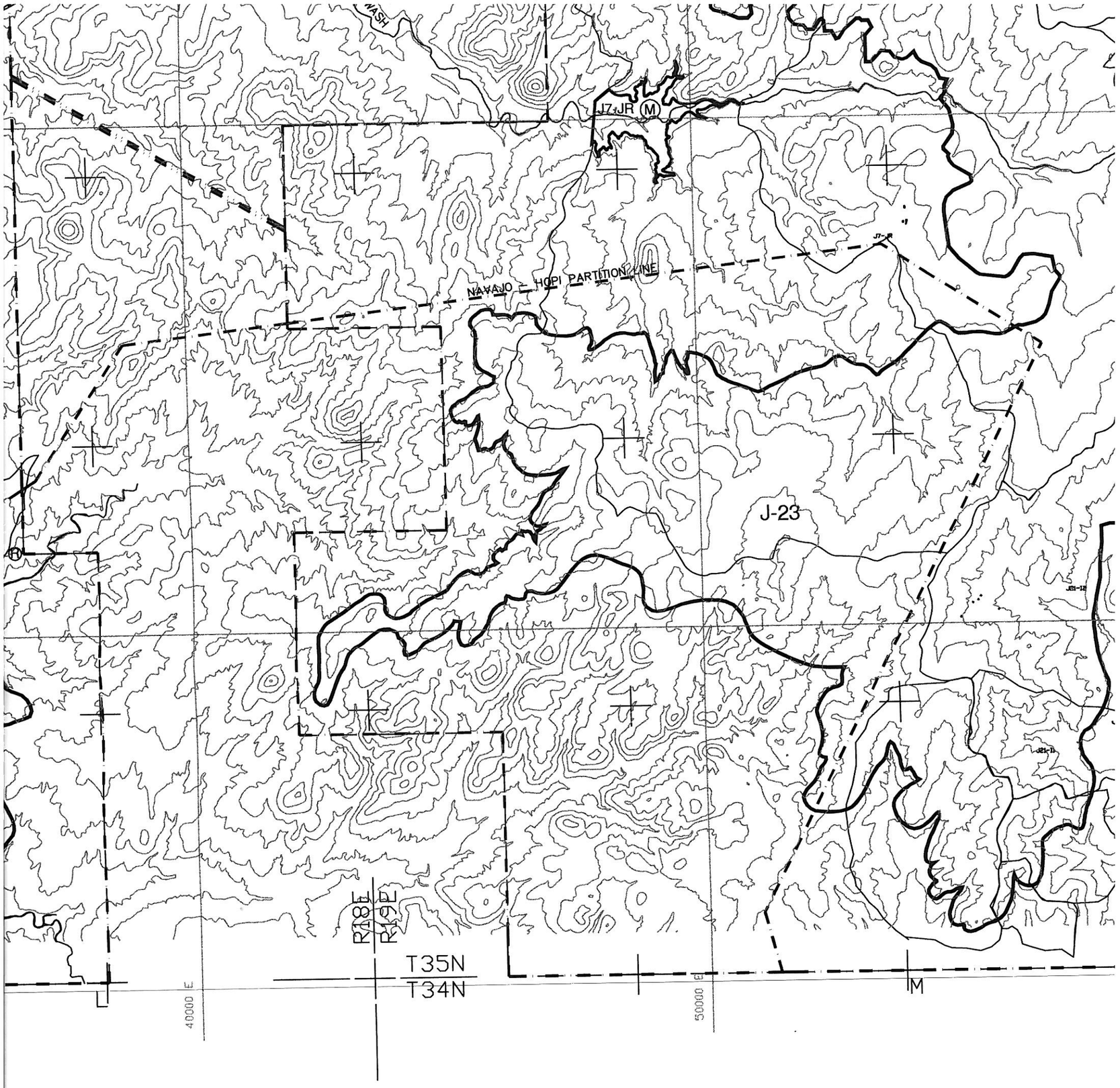
ENGINEER'S CERTIFICATION

-N-

K-

K-

K-



NOTES:

1. For additional information, see Volume 1, Chapter 6, "Sediment and Water Control Facility Plan" and Drawing No. 85400

ENGINEER'S CERTIFICATION

Registered Professional Engineer (Civil) CERTIFICATE NO. 18782 JAMES GARY VOGT Date Signed ..... ARIZONA, U.S.A.

ENGINEER

DEC 13 2005

DATE

-N-

SCALE: 1" = 2000'

K-6
K-7
K-8
K-9
K-1
K-1