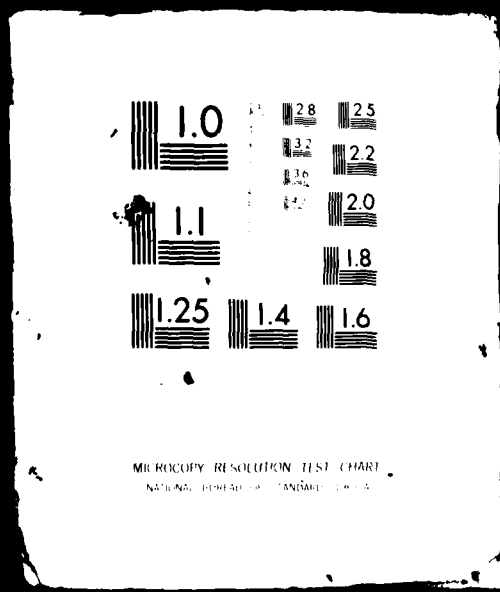


1 OF 3

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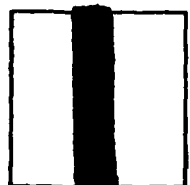
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DTIC ACCESSION NUMBER



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INVENTORY

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18 Jan. 82

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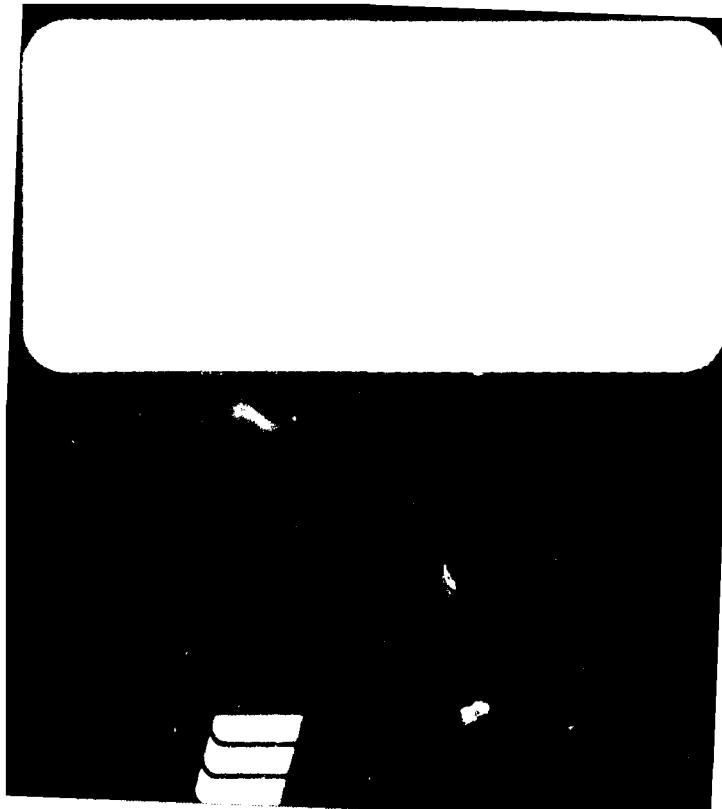
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MX SYSTEM SITING
SUMMARY REPORT

LAND ACQUISITION APPLICATION
PACKAGE MAP SHEETS

VOLUME III

Prepared for:

U.S. Department of the Air Force
Ballistic Missile Office
Norton Air Force Base, California 92409

Prepared by:

Ertec Western, Inc.
3777 Long Beach Boulevard
Long Beach, California 90807

18 January 1982

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER E-TR-58-III	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) MX System Siting Summary Report, and Acquisition Application Package Map Sheets, Vol III		5. TYPE OF REPORT & PERIOD COVERED Final
		6. PERFORMING ORG. REPORT NUMBER E-TR-58-III
7. AUTHOR(s) ERTEC Western, Inc		8. CONTRACT OR GRANT NUMBER(s) F04704-80-C-0006
9. PERFORMING ORGANIZATION NAME AND ADDRESS Ertec Western Inc (formerly Fugro National) P.O. Box 7765 Long Beach Ca 90807		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 64312 F
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Results given the initial MX system proposed land requirements for Nevada-Utah,		

FOREWORD

This report has been prepared for the U.S. Department of the Air Force, Ballistic Missile Office, in compliance with Contract No. F04704-80-C-0006. It presents the summary of Ertec Western's investigations for siting of facilities and routing of a transportation network for the MX system in Nevada, Utah, and New Mexico. Information, results, and conclusions contained in this report are based on MX siting studies conducted during fiscal years 1980 and 1981. The major part of the study covers 37 deployment valleys and three main operating base sites in Nevada and Utah. Limited studies were also performed in the area surrounding the main operating base site in New Mexico. This report consists of three volumes.

Volume I, Part I

- o General Introduction providing brief overviews of the MX system, program schedule, and siting program which includes:
 - Introduction
 - Summary of MX System Components
 - MX Program Schedule Overview
 - Siting Program Overview

Volume I, Part II

- o Summary discussions of results, conclusions, and recommendations of the Shelter Siting Summary studies of the 37 deployment valleys which includes:
 - Introduction
 - Siting Requirements
 - Siting Methodology
 - MPS/HSS Siting Program, Nevada/Utah DDA
 - Shelter Siting Program Summary, Conclusions, and Recommendations

Volume II, Part I

- o Results and conclusions of the Designated Transportation Network/Area Support Centers (DTN/ASC) siting studies within the MX system study areas which includes:
 - Introduction
 - Objective and Scope
 - Methodology
 - Criteria
 - Field Reconnaissance and Pass Evaluation
 - Evaluation of Optimum DTN Routings and ASC Locations
 - Conclusions

Volume II, Part II

- o Results and conclusions of the Operational Base Test Site/ Designated Training Area (OBTS/DTA) siting studies near the main operating base sites in Nevada-Utah and New Mexico which includes:
 - Introduction
 - Siting Requirements
 - Methodology
 - OBTS/DTA Siting Evaluation
 - Conclusions

Volume III

- o Land Acquisition Application Package Map Sheets depicting the various preferred and alternate facility combinations for land parcel acquisition which includes:
 - Introduction

This report was being prepared prior to the President's decision on 2 October 1981 not to proceed with the MPS MX basing option. It was intended that more detailed valley siting reports would follow this general evaluation. The original objective of the report was to provide interim data to the users of MX siting data until these more detailed evaluations could be produced. As a result of the President's decision, this report represents the final summary of the MX system siting in the MPS basing mode.

It should be noted that at the beginning of FY 81, siting studies were performed under the firm name of Fugro National, Inc. at its Long Beach offices. On 25 March 1981, the corporate name was changed to The Earth Technology Corporation - Ertec. Since that date, the siting studies have been performed at the same offices under the name of Ertec Western, Inc. with support from Ertec Northwest, Inc., Seattle, Washington; Ertec Airborne Systems, Inc., Cypress, California; and Ertec Rocky Mountain, Inc., Denver, Colorado.

LIST OF ACRONYMS

ADT	Average Daily Traffic
AFRCE-MX	Air Force Regional Civil Engineer-MX
AFSC	Air Force System Command
ALCC	Airborne Launch Control Center
AOB	Auxiliary Operating Base
ASC	Area Support Center
BLM	Bureau of Land Management
BMO	Ballistic Missile Office
C ³	Command, Control, and Communication
CBR	California Bearing Ratio
CDP	Candidate Deployment Parcel
CEQ	Council on Environmental Quality
CMF	Cluster Maintenance Facility
COE	U. S. Department of the Army, Corps of Engineers
CONUS	Conterminous United States
CPT	Cone Penetrometer Test
CRN	Cluster Road Network
CSR	Candidate Siting Region
DAA	Designated Assembly Area
DDA	Designated Deployment Area
DEIS	Draft Environmental Impact Statement
DMA	Defense Mapping Agency
DOPAA	Description of Proposed Actions and Alternatives
DTA	Designated Training Area
DTN	Designated Transportation Network
EIS	Environmental Impact Statement
FLPMA	Federal Land Policy Management Act
FNI	Fugro National, Inc.
FSED	Full Scale Engineering Development
FY	Fiscal Year
GBNP	Great Basin National Park
HDR	Henningson, Durham, & Richardson, Inc.
HSS	Horizontal Shelter Site
IOC	Initial Operational Capability
KGRA	Known Geothermal Resources Area
MF	Medium Frequency
MMC	Martin Marietta Company
MOA	Military Overflight Area
MOB	Main Operating Base
MPS	Multiple Protective Structure
MPT	Mobile Patrol Teams
NCA	National Control Authorities
NEPA	National Environmental Policy Act
NH&S	Nuclear Hardness and Survivability
OB	Operational Base
OBTS	Operational Base Test Site

OSR	Operational Support Road
PLU	Preservation of Location Uncertainty
PMOA	Programmetric Memorandum of Agreement
POL	Petroleum, Oils, and Lubricants
PS	Protective Structure
QA	Quality Assurance
QD	Quantity Distance
R&D	Research and Development
REPR	Real Estate Planning Report
RES	Renewable Energy Sources
RMP	Ralph M. Parsons Company
ROW	Right-of-way
RSS	Remote Surveillance Site
SAC	Strategic Air Command
SALT	Strategic Arms Limitation Talks
SHPO	State Historic Preservation Officer
STV	Special Transport Vehicle
T&E	Threatened and Endangered
TEL	Transporter and Erector Launcher
TI	Technical Interchange
TSB	Test Support Building
USGS	United States Geological Survey
USPLS	United States Public Land Survey
UTM	Universal Transverse Mercator
V&H	Vulnerability and Hardness

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1.0 INTRODUCTION

This volume presents the maps coordinated and produced by Ertec Western, Inc. (Ertec) for the first increment of the land acquisition application package. These maps depict the initial MX system proposed land requirements for Nevada-Utah.

The land acquisition package consisted of the following elements:

- o A regional map at a scale 1:500,000 showing the 37-valley system with the area clustered, the connecting DTN, the ASC sites, and the cluster counts for each valley;
- o Base maps at a scale of 1:62,500 depicting the IOC valley facilities, the Main Operating Base/Designated Assembly Area (MOB/DAA), and the Operational Base Test Site/Designated Transportation Area (OBTS/DTA) site options with associated right-of-way alignments; and
- o Land parcel descriptions of all facilities (legal descriptions) depicted at 1:62,500.

The detailed depictions and parcel descriptions of the remaining system depicted on the regional map were to be provided in later increments.

The initial increment of the package containing the regional and the 1:62,500 "E" size map sheets (36 by 48 inches [91 by 122 cm]) with land parcel descriptions was delivered to the AFRCE-MX on 17 September 1981. After the AFRCE-MX review, revisions were made and a second delivery of the map sheets occurred on 2 October 1981. For ease of presentation in this volume, the revised "E" size map sheets were reduced 50 percent from 1:62,500 to 1:125,000 scale. Drawing 3-3 of the Shelter

Siting Summary (Volume I, Part II) is a sample full "E" size map sheet.

The third element of the land acquisition application package consists of parcel descriptions. These have been discussed in other parts of this report and are explained below.

Parcel descriptions of the IOC valley facilities and the OBTS/DTA sites are presented in Appendix G of the Shelter Siting Summary (Volume I, Part II) and Appendix C of the OBTS/DTA Siting (Volume II, Part II), respectively. A general discussion of land acquisition application support appears in Section 4.2.4 of the General Introduction (Volume I, Part I). More specific discussions are in Sections 4.6 and 5.1.3 of the Shelter Siting Summary and Section 4.7 of the OBTS/DTA siting. The land parcel descriptions produced by the base comprehensive planner (EDAW, Inc.) of the MOB/DAA are not presented.

The following reduced revised map sheets are in the first increment of the land acquisition application package (Figures 1-1 through 1-36).

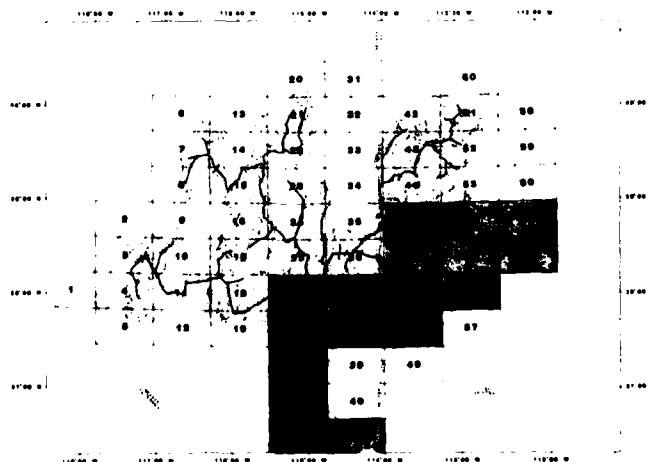
**MX SYS
PROPOSED
REQUIREN
FOR
NEVADA/**

2

**MX SYSTEM
PROPOSED LAND
REQUIREMENTS
FOR
NEVADA/UTAH**

REQUIREMENTS FOR NEVADA/UTAH

THE ATTACHED MAPS ARE INDICATED BY SHADING.



3

REVISION

NTS

TAH

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
REVISIONS				

DEPARTMENT OF THE AIR FORCE	
AIR FORCE REGIONAL CIVIL ENGINEER - MX	
NORTON AIR FORCE BASE, CA 92409	
SIGNATURE	DATE
DRAWN BY <i>[Signature]</i>	1946
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CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - IJX
APPROVED BY	DRAWING NUMBER
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____

115°30'00"W

R58E

R59E

115°15'00"

37°07'30"N

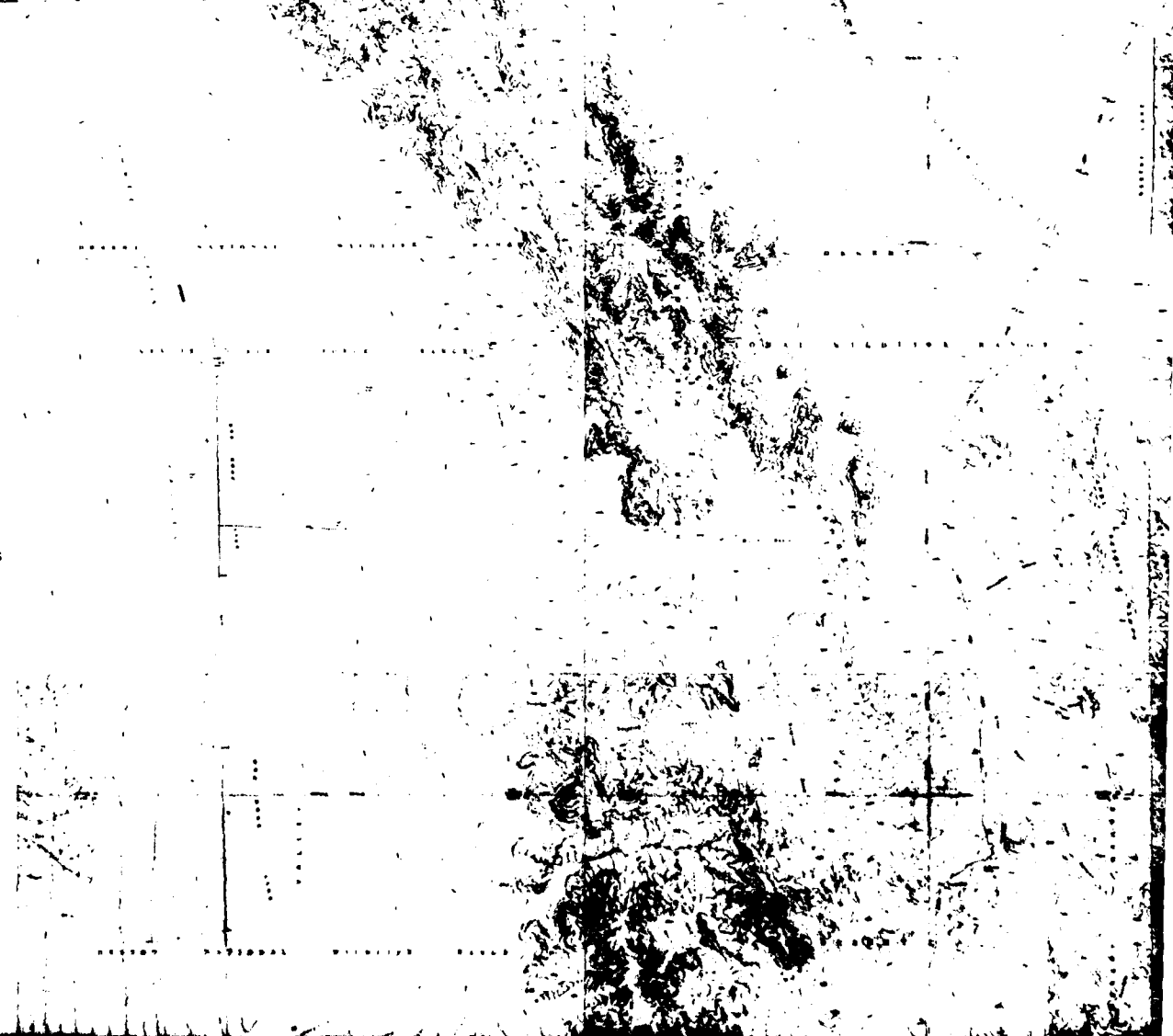
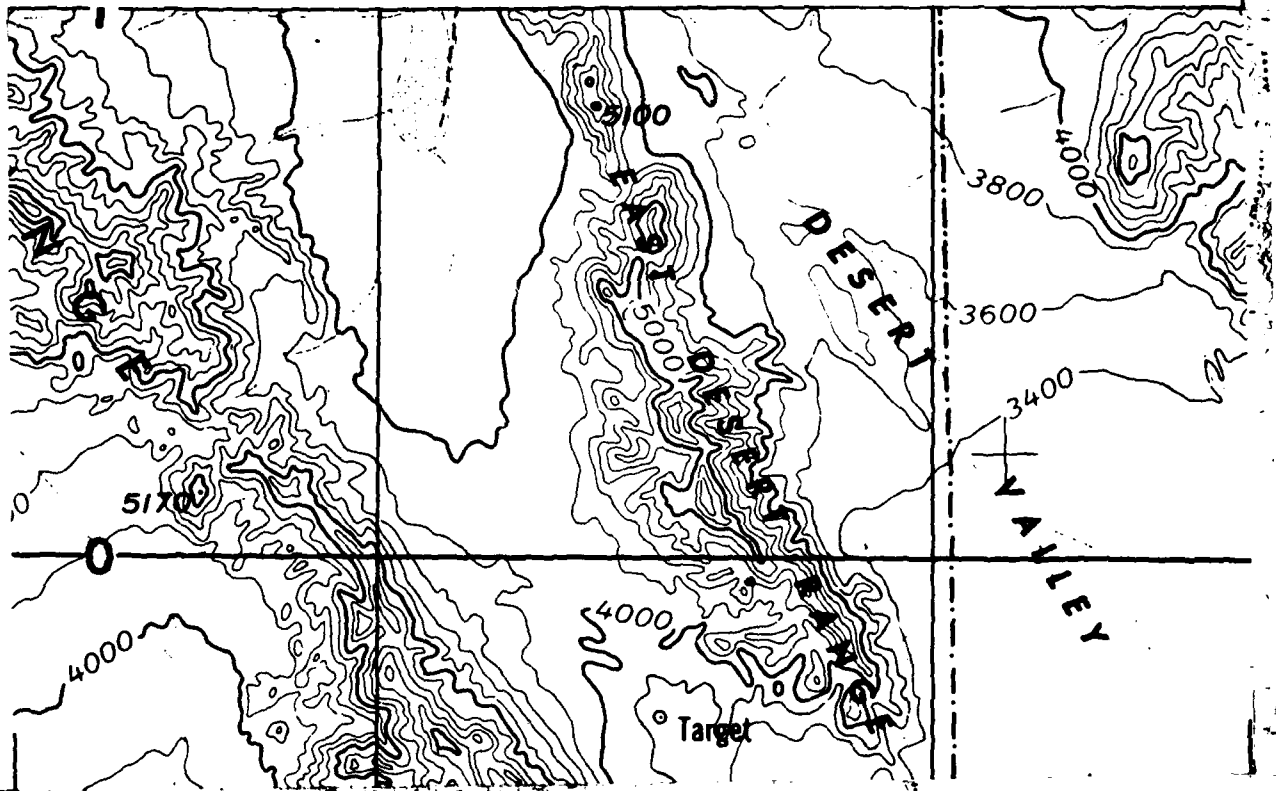
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37°07'00"N

T11S

NONE

T12S



R60E
115°15'00"W

R61E

SEE DRAWING #28

R62E

115°00'00"W



DESIGNATED TRANSPORTATION NETWORK (DTN)

NATIONAL WILDLIFE REFUGE

MX POWERLINE

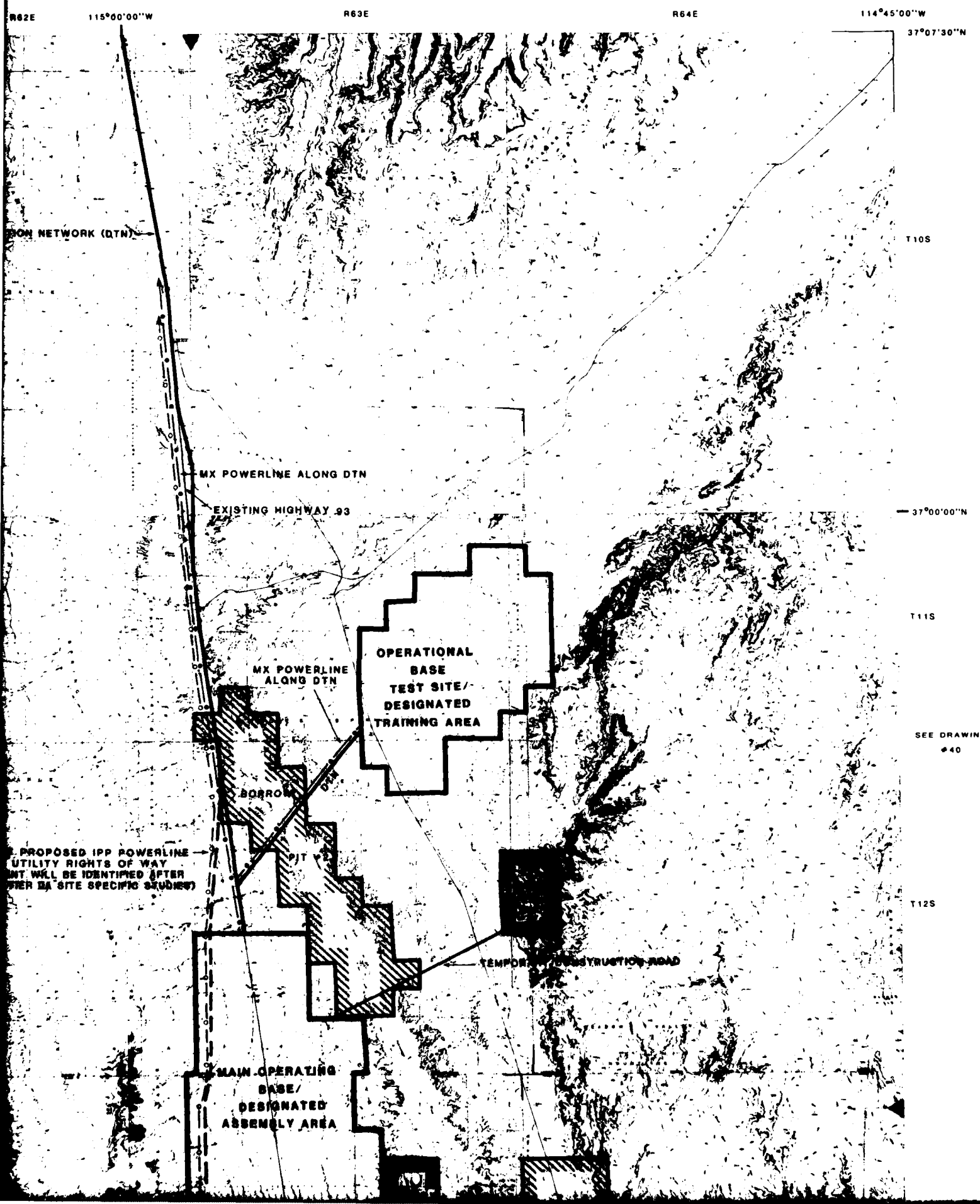
EXISTING

MX

BARR

RELOCATION OF PROPOSED IPP POWERLINE
AND OTHER UTILITY RIGHTS OF WAY
EXACT ALIGNMENT WILL BE IDENTIFIED AFTER
COMPLETION OF TIER IIA SITE SPECIFIC STUDY

MAIN-OPP
SAS
DESIGN
ASSEMBLY



T10S

37°00'00"N

T11S

SEE DRAWING #40

T12S

NONE

T12S

T13S

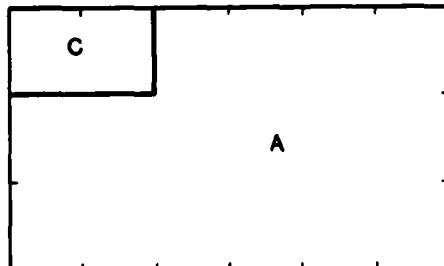
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115°30'00"W

R58E

R59E

BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



115°15'00"W
R60E

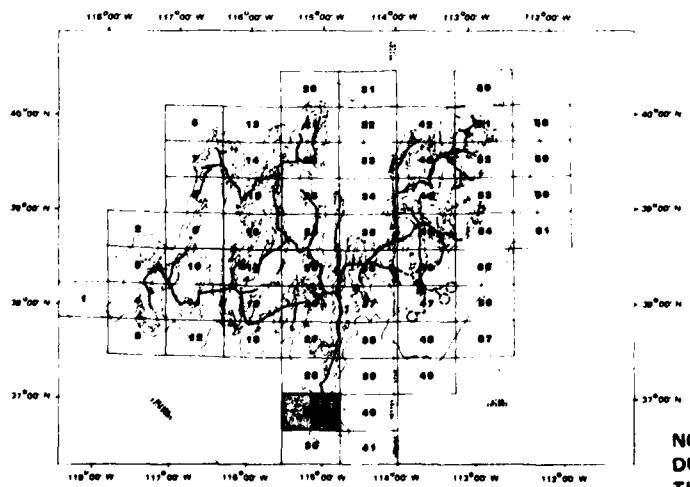
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SEE DRAWING # 30

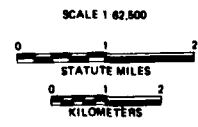
R62E

115°00'00"W

MAP SHEET LOCATION



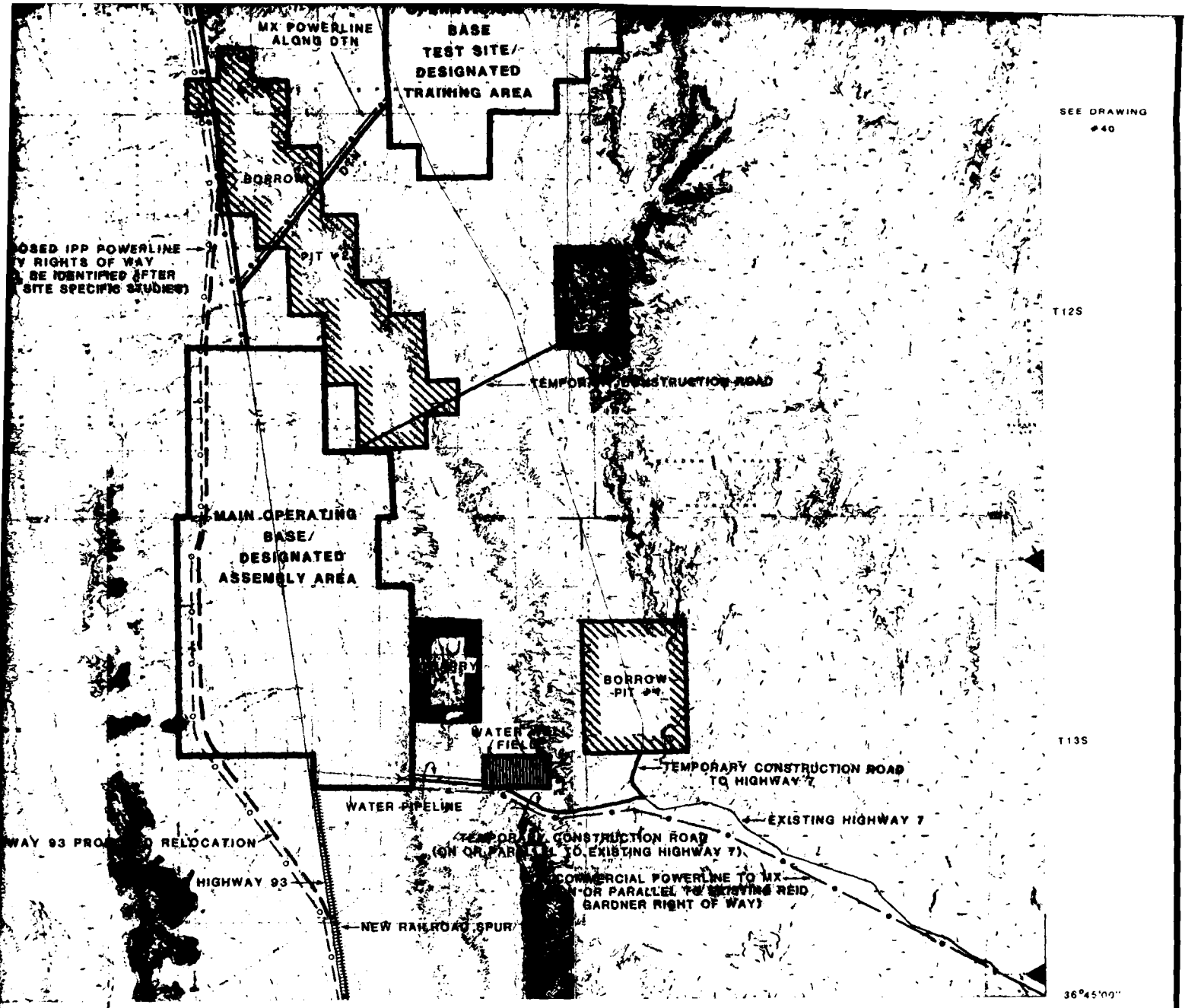
SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1		

REV



SEE DRAWING #40

T12S

T13S

36°45'00"

115°00'00"W R63E R64E 114°45'00"W

PROJECT MAP SHEET

STATE: NEVADA	RAILROADS: NONE
COUNTY: LINCOLN, CLARK	STATE ROADS: HWY 7
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 93

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE	OPTION B-COYOTE SPRING MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY <i>Chen</i>	11/76	
CHECKED BY <i>A. Sandic</i>		
GEOTECHNICAL <i>Alvin Maden</i>	11/76	
SITING <i>F. J. Snyder</i>	11/76	
ENVIRONMENTAL		
SYSTEM ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	
APPROVED BY:	DRAWING NUMBER: 29	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
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REVISIONS

115°30'00" W

R58E

R59E

37°07'00" N

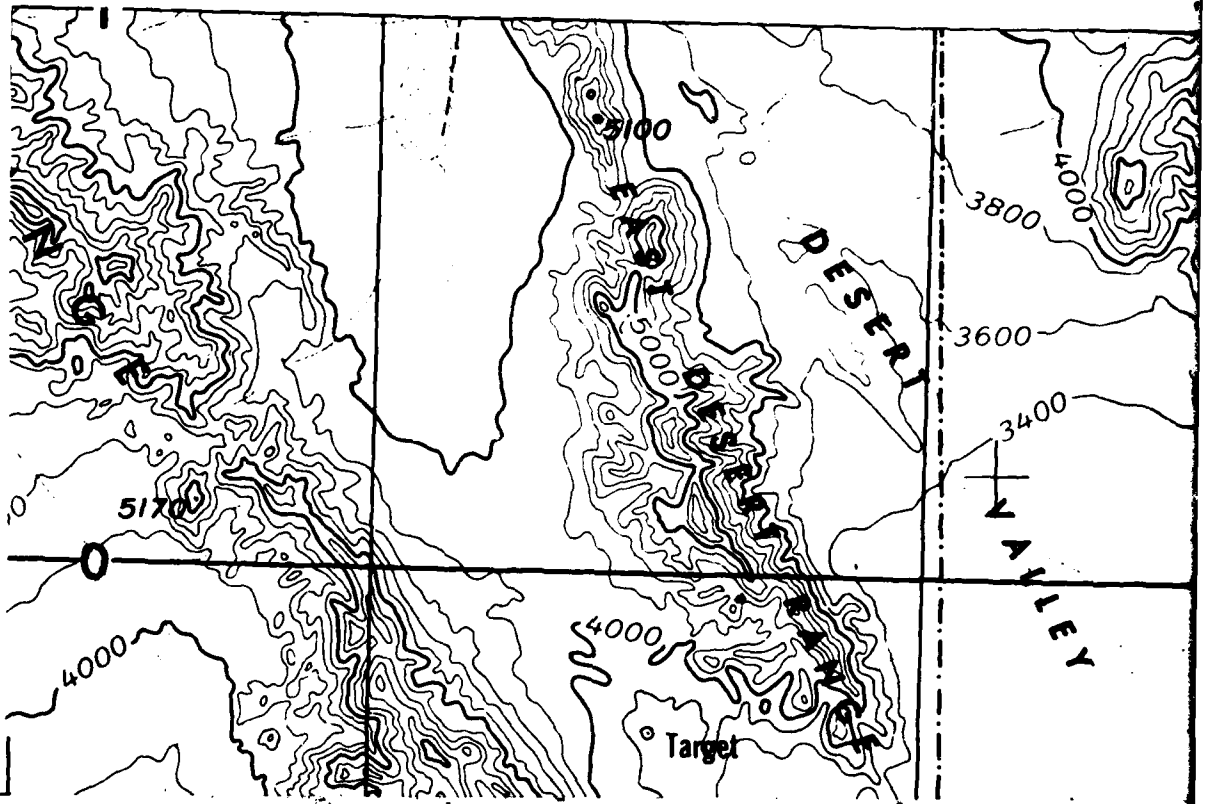
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37°07'00" N

T11S

NONE

T12S



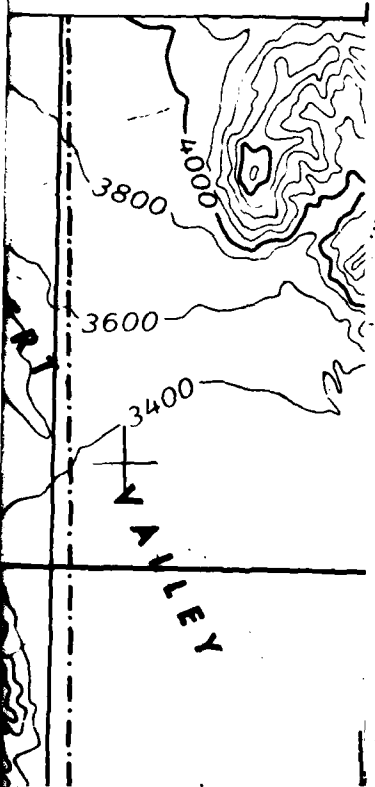
R60E
115 15 00 W

R61E

SEE DRAWING #28

R62E

115°00'00"



NATIONAL WILDLIFE REFUGE
DESIGNATED TRANSPORTATION NETWORK (DTN)



MX POWERLINE

RELOCATION OF
IPP POWERLINE
AND OTHER UTILITIES
RIGHTS OF WAY
CONTACT ALIGNMENT

115°00'00"W

R63E

R64E

114°45'00"W

37°07'30"N

NETWORK (DTN)

EXISTING HIGHWAY 93

MX POWERLINE ALONG DTN

T10S

37°00'00"N

T11S

SEE DRAWING #40

OPERATIONAL
BASE
TEST SITE/
DESIGNATED
TRAINING AREA

BORROW

PIT

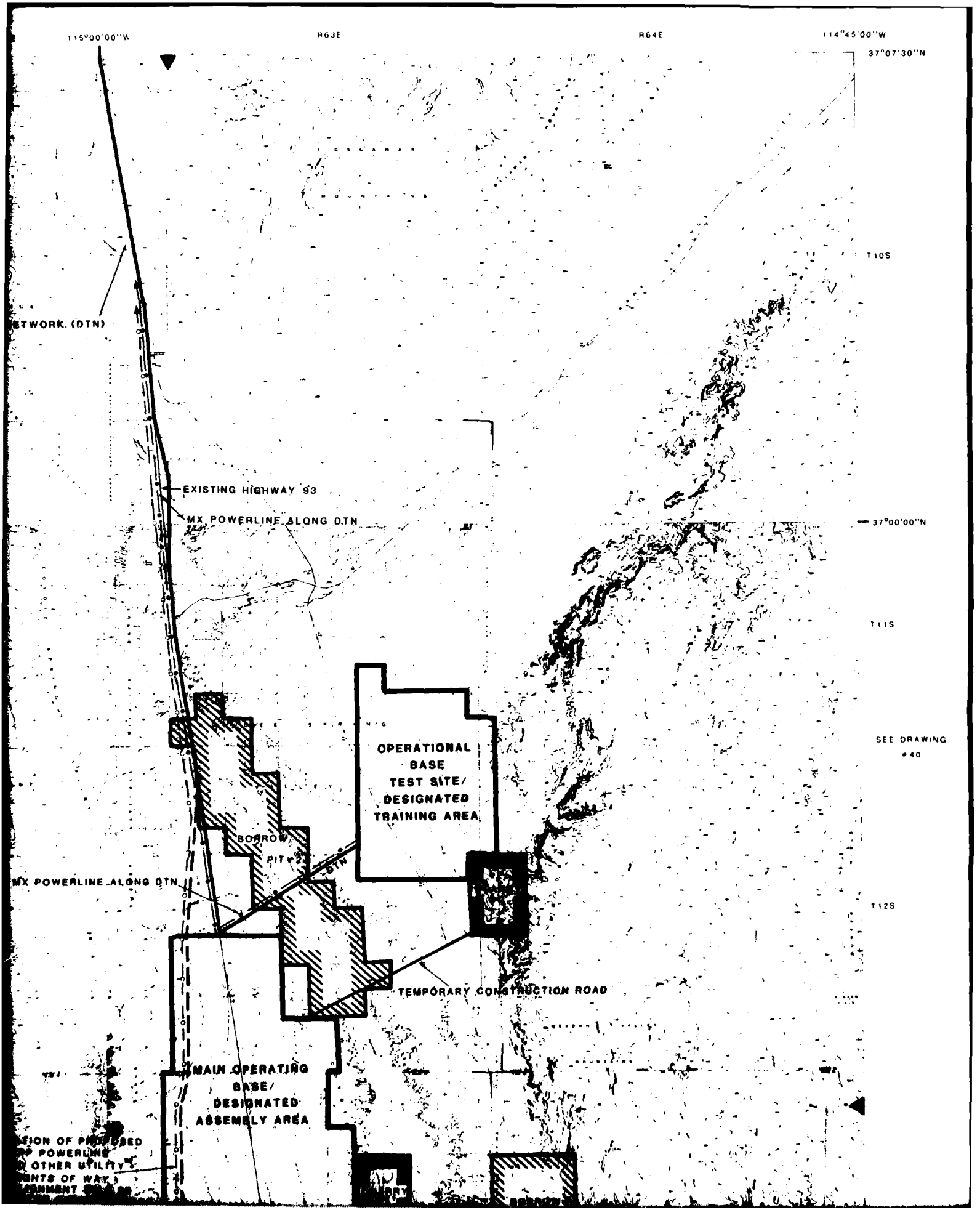
MX POWERLINE ALONG DTN

T12S

TEMPORARY CONSTRUCTION ROAD

MAIN OPERATING
BASE/
DESIGNATED
ASSEMBLY AREA

REGION OF PROPOSED
POWERLINE
AND OTHER UTILITY
RIGHTS OF WAY
PERMIT



NONE

T12S

T13S

16°35'00"N

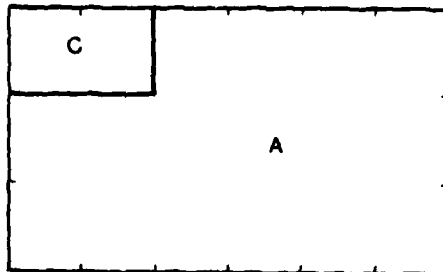
115°30'00"W

1155E

1155E

1155E

BASE MAP SOURCE INSET



A 7-MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15-MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2-DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500

MX POWERLINE ALONG DTM

RELOCATION OF PROPOSED
IPP POWERLINE
AND OTHER UTILITY
RIGHTS OF WAY
(EXACT ALIGNMENT WILL BE
IDENTIFIED AFTER COMPLETION OF
TIER IIIA SITE SPECIFIC STUDIES)

HIWAY 193
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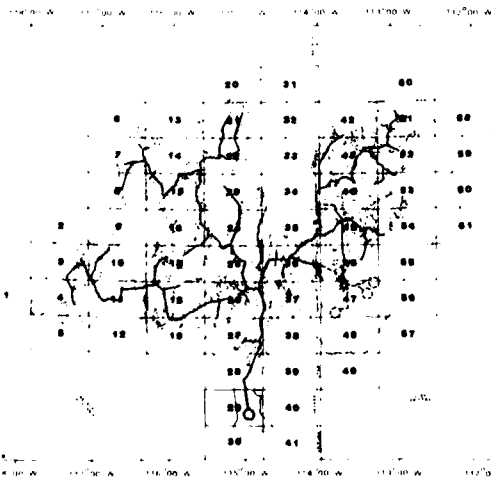
114° 00' 00" W
114° 00' 00" W

ROUTE

SEE DRAWING # 30

114° 00' 00" W
114° 00' 00" W

MAP SHEET LOCATION



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:126,000

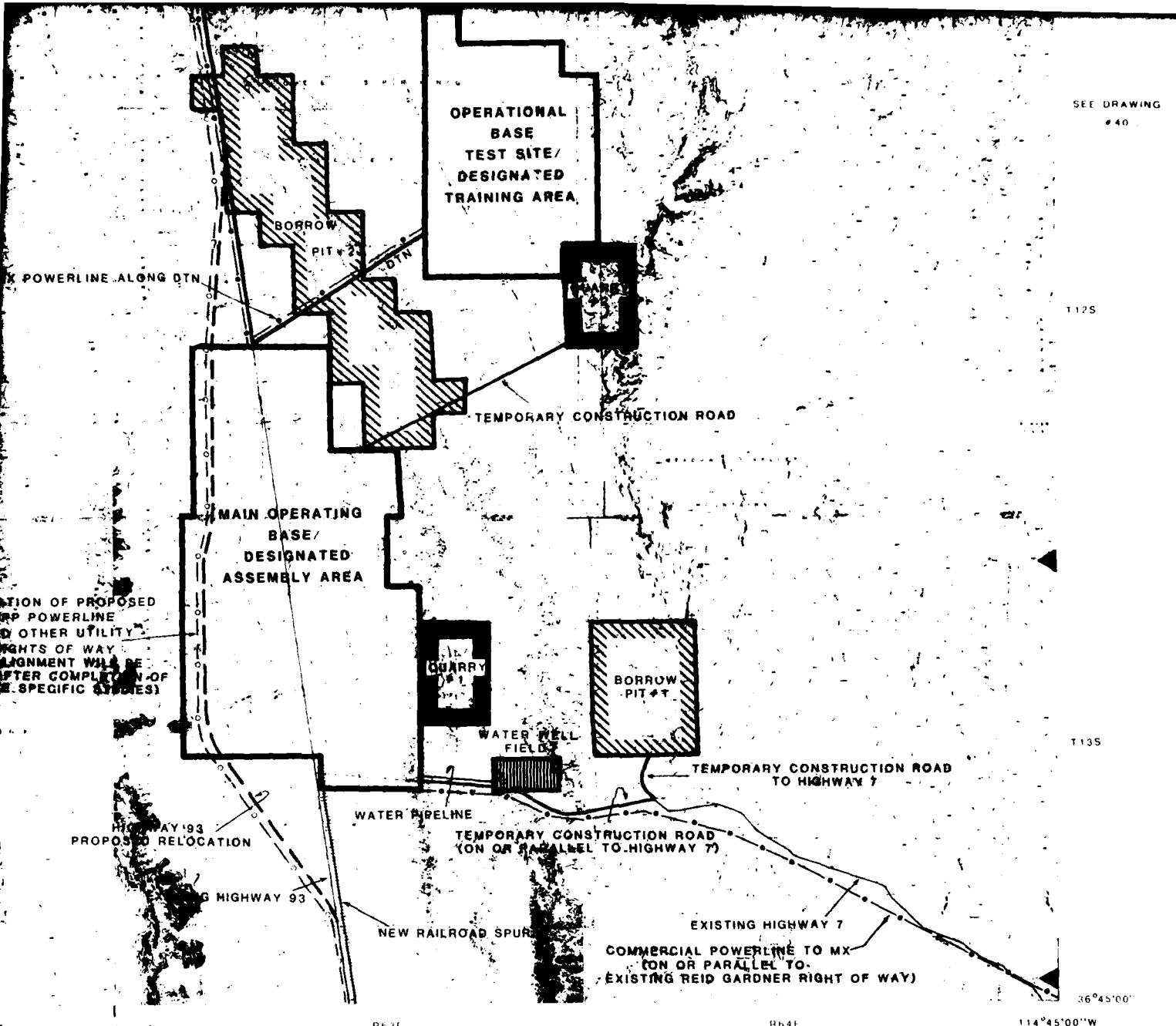
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REVISION	DATE	

USGS (1:24,000)

USGS (1:62,500)

USGS (1:250,000)

DIGITAL METHOD BY
FUGRO GEOMETRICS



PROJECT MAP SHEET

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COUNTY: LINCOLN, CLARK	STATE ROADS: HWY 7
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 93

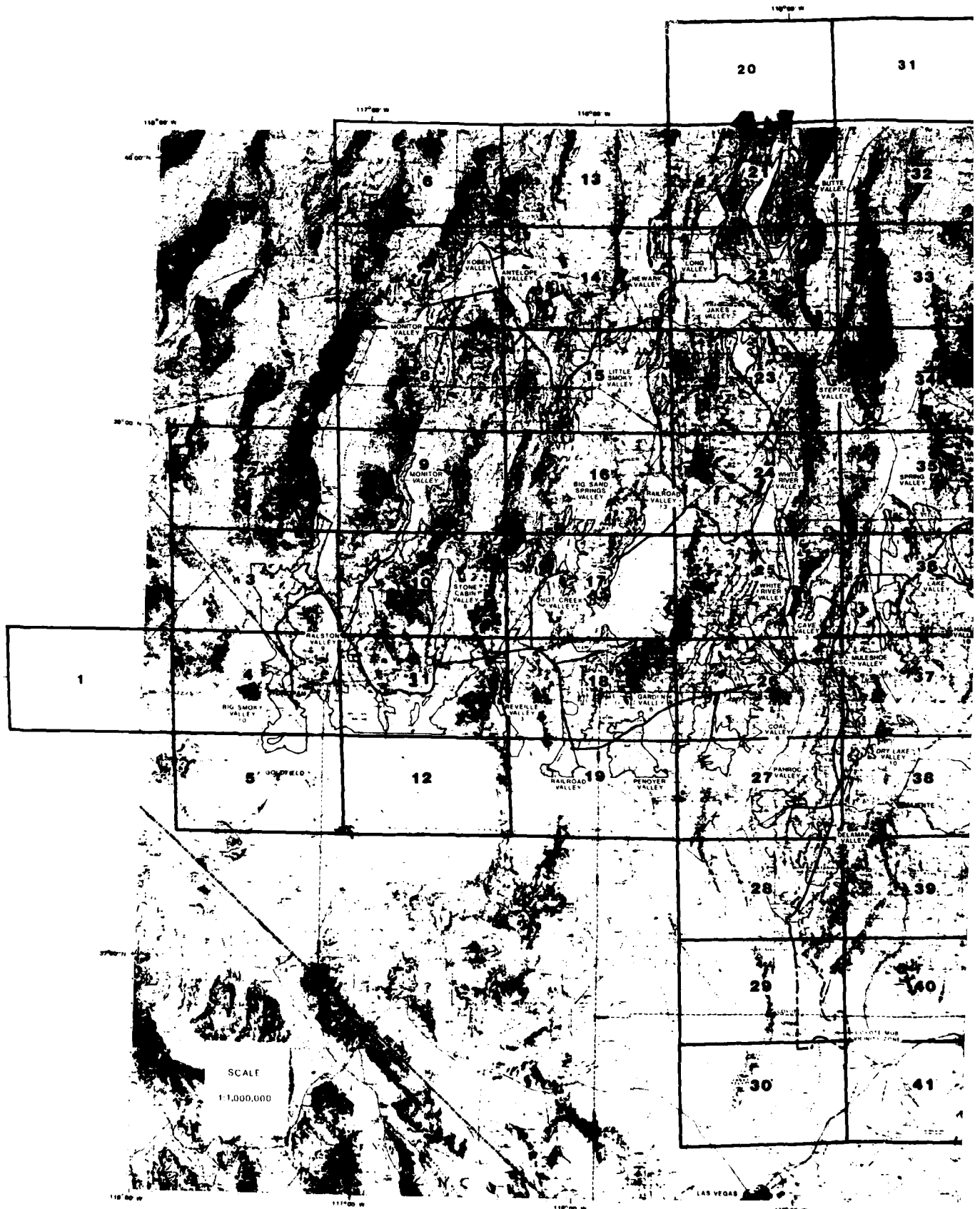
DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

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CHECKED BY <i>A. Sando</i>			
GEOTECHNICAL			
SITING			
ENVIRONMENTAL			
SYSTEMS ENGINEER		APPROVED BY	DATE
CORPS OF ENGINEERS		AIR FORCE REGIONAL CIVIL ENGINEER - MX	

APPROVED BY	DRAWING NUMBER 29	REV
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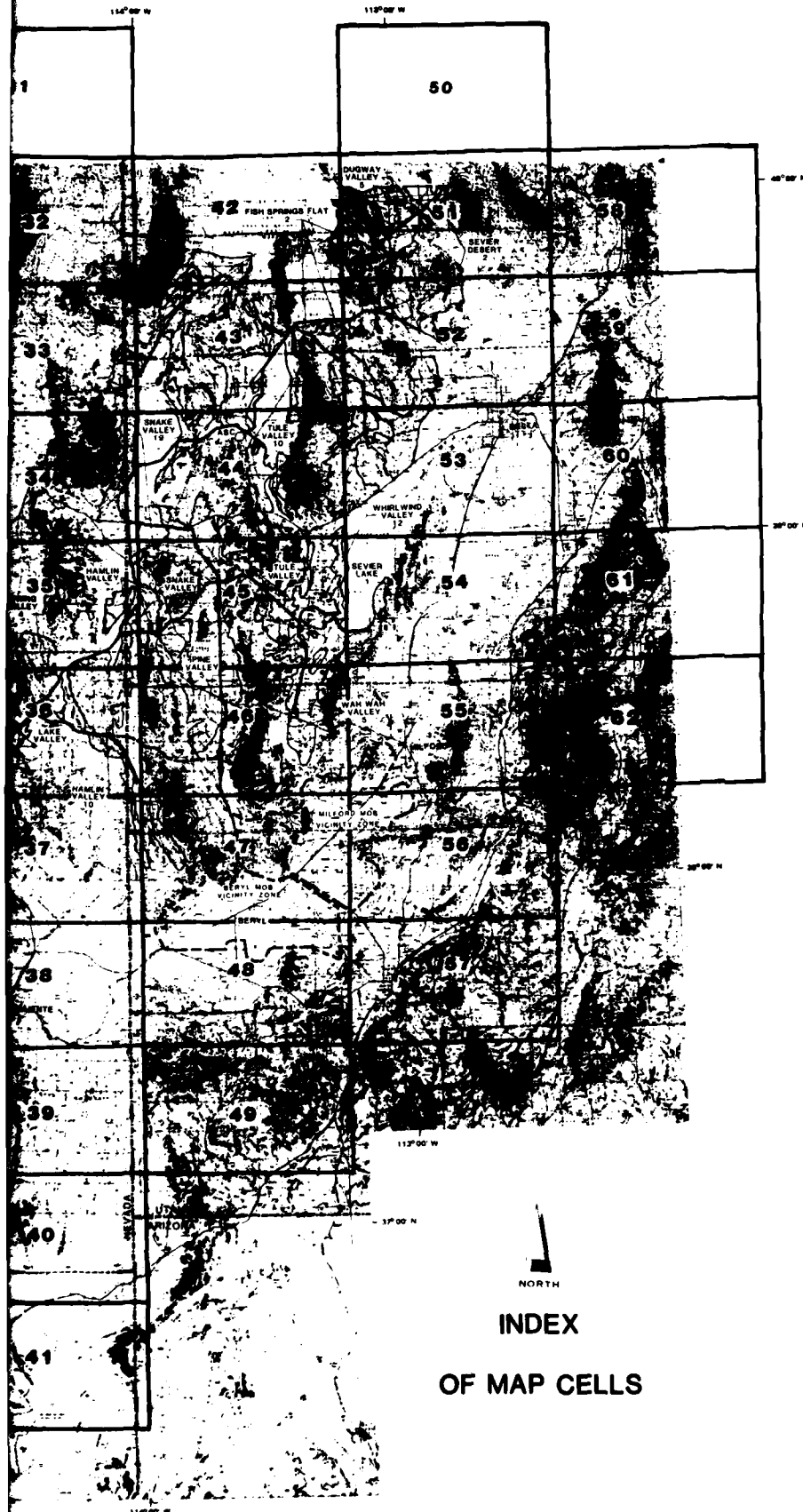
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REVISIONS



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:2,000,000

EXPLANATORY NOTES



1. THE INDEX MAP AT THE LEFT DEPICTS THE ORIENTED MAP CELLS RELATIVE TO THE PROPOSED MX DEPLOYMENT IN NEVADA AND UTAH. TO PRODUCE "E" SIZE DRAWINGS, A GRID WAS GENERATED FROM AN ORIGIN AT 39°N LATITUDE LONGITUDE. EACH CELL COVERS A GROUND DISTANCE OF 24 MILES BY 40 MILES (22.5 MINUTES OF LATITUDE BY 40 MINUTES OF LONGITUDE) AND IS ASSIGNED AN INDEX NUMBER AS SHOWN ON THE INDEX MAP AT THE LEFT. THE GRID WAS GENERATED TO THE OUTER HYDROGRAPHIC BASIN BOUNDARIES INCLUDED WHICH INCLUDES THE 36 VALLEYS IN NEVADA AND UTAH. THIS MAP SHOWS THE PRELIMINARY SITING OF THE HORIZONTAL SHELTER SITE, MAINTENANCE FACILITIES, CLUSTER ROADS, BARRIERS, AND THE AREAS WHERE THE DESIGNATED TRANSPORTATION NETWORK, AREA SUPPORT CENTERS, AND OPERATING BASE OPTIONS.

2. LAND SUB-DIVISION, IN THE FORM OF TOWNSHIP RANGE CORNERS OR SUB-DIVISIONS THEREOF, WERE COPIED FROM USGS MAPS. NO ATTEMPT WAS MADE TO LOCATE, VERIFY OR RELOCATE LAND SUB-DIVISION CORNERS. IT IS NOT THE INTENT OF THIS MAP TO ESTABLISH OR IMPLY THAT SECTION CORNERS OR SUB-DIVISIONS THEREOF ARE IN EXISTENCE OR ARE KNOWN TO BE IN EXISTENCE. THE INDEXING OF TOWNSHIP AND RANGE NUMBERS IS INDICATED AT THE EDGES OF THE MAP CELL. IF A TOWNSHIP WAS SUBTRACTED ON THE USGS BASE MAP, A DARK TRIANGULAR MARK APPEARS AT THE MAP CELL EDGE. THE ABSENCE OF A TRIANGULAR MARK INDICATES THAT THE TOWNSHIP IS UNPROTRACTED. HOWEVER, THE INDEX NUMBER OF THE TOWNSHIP OR RANGE IS SHOWN AT THE MAP CELL EDGE FOR REFERENCE PURPOSES.

3. THE CONTOUR BASE MAPS ARE PHOTOGRAPHIC COMPILED FROM USGS TOPOGRAPHIC QUADRANGLE MAPS AT 1:24,000, 1:50,000, AND 1:250,000 PUBLISHED SCALES. THESE MAPS WERE PHOTOGRAPHICALLY REDUCED, COPIED, OR ENLARGED TO ABOUT 1:62,500 SCALE. NEGATIVES WERE BUTT SPICED AND EDGE MATCHED TO MAINTAIN GRAPHIC CONTINUITY WHERE POSSIBLE. WHEN OFFSETS OCCURRED, SPICING WAS PERFORMED SO AS TO MAINTAIN CONTROL AT MAP GRID CELL CENTER.

IN SOME INSTANCES WHERE USGS PUBLISHED MAPS WERE FROM AERIAL PHOTOGRAMMETRY SYSTEMS (FORMERLY PUGRO GEOMETRIC) OR FROM 1:62,500 SCALE TOPOGRAPHIC MAPS FROM AERIAL PHOTOGRAMMETRY, ON SOME OF THE FOLLOWING MAPS THE CULTURAL FEATURES MAY BE CURRENT DUE TO THE AGE OF THE AVAILABLE BASE MAPS. SUBSEQUENT REVISIONS WILL INCORPORATE THE MOST CURRENT DATA AS THEY BECOME AVAILABLE FROM THE USGS.

4. M.P.S. LAYOUTS ARE BASED ON BMO/AFRC-MX SITE SPECIFIC LAYOUTS OF 6 JUNE 1980 AND SUBSEQUENT DIRECTIVES. THIS MAP UTILIZES 5200-FT HORIZONTAL SPACING, 2/3 FILLED PATTERN, MINIMUM 55° ANGLE OFFSET BETWEEN ADJACENT ROAD SEGMENTS, AND A DIRECT CONNECT ROAD PATTERN (SCHEMATIC) BETWEEN CLUSTER LOCATIONS. SHELTERS ARE GROUPED TO FORM IN CLUSTERS OF 2-3 PRIMARY SHELTERS. EACH CLUSTER IS IDENTIFIED BY A NUMBER. EACH SHELTER BY TWO NUMBERS, THUS EACH HORIZONTAL ROAD BEARS A NUMERICAL INDEX OF WHICH THE FIRST DIGIT IS THE CLUSTER NUMBER AND THE LAST SINGLE OR DOUBLE DIGIT IS THE SHELTER NUMBER WITHIN THAT CLUSTER (1-23). EXCEPT FOR THE VALLEYS (DRY LAKE, PINE, WAH-WAH) NONE OF THE PLOTS WERE SITED BY SITE SPECIFIC FIELD SURVEYS.

5. MAP SYMBOLS SHOWN IN THE EXPLANATION ON THIS MAP CORRESPOND TO THE INFORMATION PLACED ON THESE MAPS FOR THE

EXPLANATORY NOTES

1. THE INDEX MAP AT THE LEFT DEPICTS THE ORIENTATION OF THE MAP CELLS RELATIVE TO THE PROPOSED MX DEPLOYMENT AREA IN NEVADA AND UTAH. TO PRODUCE "E" SIZE DRAWINGS, A RECTANGULAR GRID WAS GENERATED FROM AN ORIGIN AT 39°N LATITUDE AND 114°W LONGITUDE. EACH CELL COVERS A GROUND DISTANCE OF ABOUT 24 MILES BY 40 MILES (22.5 MINUTES OF LATITUDE BY 45 MINUTES OF LONGITUDE) AND IS ASSIGNED AN INDEX NUMBER AS PER THE INDEX MAP AT THE LEFT. THE GRID WAS GENERATED TO ENCOMPASS THE OUTER HYDROGRAPHIC BASIN BOUNDARIES INCLUDED IN THE D.E.I.S WHICH INCLUDES THE 36 VALLEYS IN NEVADA AND UTAH USED IN THE PRELIMINARY SITING OF THE HORIZONTAL SHELTER SITES, CLUSTER MAINTENANCE FACILITIES, CLUSTER ROADS, BARRIERS, AS WELL AS THE AREAS WHERE THE DESIGNATED TRANSPORTATION NETWORK ROAD, AREA SUPPORT CENTERS, AND OPERATING BASE OPTIONS ARE LOCATED.

2. LAND SUB-DIVISION, IN THE FORM OF TOWNSHIP RANGES, SECTION CORNERS OR SUB-DIVISIONS THEREOF, WERE COPIED FROM EXISTING MAPS. NO ATTEMPT WAS MADE TO LOCATE, VERIFY OR IDENTIFY ANY LAND SUB-DIVISION CORNERS. IT IS NOT THE INTENT OF THESE MAPS TO ESTABLISH OR IMPLY THAT SECTION CORNERS OR SUB-DIVISIONS THEREOF ARE IN EXISTENCE OR ARE KNOWN TO BE IN EXISTENCE OR THAT THEY SHOULD BE LOCATED WHERE SHOWN ON THESE MAPS.

THE INDEXING OF TOWNSHIP AND RANGE NUMBERS IS INDICATED AT THE EDGES OF THE MAP CELL. IF A TOWNSHIP WAS SURVEYED OR PROTRACTED ON THE USGS BASE MAP, A DARK TRIANGULAR FIDUCIAL MARK APPEARS AT THE MAP CELL EDGE. THE ABSENCE OF THE FIDUCIAL MARK INDICATES THAT THE TOWNSHIP IS UNPROTRACTED, HOWEVER, THE INDEX NUMBER OF THE TOWNSHIP OR RANGE IS ANNOTATED AT THE MAP CELL EDGE FOR REFERENCE PURPOSES.

3. THE CONTOUR BASE MAPS ARE PHOTOGRAPHIC COMPILATIONS USING USGS TOPOGRAPHIC QUADRANGLE MAPS AT 1:24,000, 1:62,500 AND 1:250,000 PUBLISHED SCALES. THESE MAPS WERE PHOTOGRAPHICALLY REDUCED, COPIED, OR ENLARGED TO ABOUT 1:62,500 MAP SCALE. THE NEGATIVES WERE BUTT SPLICED AND EDGE MATCHED TO MAINTAIN GRAPHIC CONTINUITY WHERE POSSIBLE. WHEN OFFSETS WERE ENCOUNTERED, SPLICING WAS PERFORMED SO AS TO MAINTAIN MAXIMUM CONTROL AT MAP GRID CELL CENTER.

IN SOME INSTANCES WHERE USGS PUBLISHED MAPS WERE NOT AVAILABLE, ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) PRODUCED 1:62,500 SCALE TOPOGRAPHIC MAPS FROM AERIAL PHOTOGRAPHS.








ON SOME OF THE FOLLOWING MAPS THE CULTURAL FEATURES ARE NOT CURRENT DUE TO THE AGE OF THE AVAILABLE BASE MAPS. SUBSEQUENT REVISIONS WILL INCORPORATE THE MOST CURRENT DATA AS THEY BECOME AVAILABLE FROM THE USGS.

4. M.P.S. LAYOUTS ARE BASED ON BMO/AFRC-MX SITING REQUIREMENTS OF 6 JUNE 1980 AND SUBSEQUENT DIRECTIVES. THE GEOMETRY UTILIZES 5200-FT HORIZONTAL SPACING, 2/3 FILLED HEXAGONAL PATTERN, MINIMUM 55° ANGLE OFFSET BETWEEN ADJACENT STRUCTURES AND A DIRECT CONNECT ROAD PATTERN (SCHEMATIC) BETWEEN SHELTER LOCATIONS. SHELTERS ARE GROUPED TO FORM IN CLUSTERS EACH OF 23 PRIMARY SHELTERS. EACH CLUSTER IS IDENTIFIED BY A NUMBER; EACH SHELTER BY TWO NUMBERS, THUS EACH HORIZONTAL SHELTER SITE BEARS A NUMERICAL INDEX OF WHICH THE FIRST DIGIT IS THE CLUSTER NUMBER AND THE LAST SINGLE OR DOUBLE DIGIT IS THE SHELTER NUMBER WITHIN THAT CLUSTER (1-23). EXCEPT FOR THE THREE I.O.C. VALLEYS (DRY LAKE, PINE, WAH-WAH) NONE OF THE FACILITIES WERE SITED BY SITE SPECIFIC FIELD SURVEYS.










5. MAP SYMBOLS SHOWN IN THE EXPLANATION ON THIS SHEET PERTAIN TO THE INFORMATION PLACED ON THESE MAPS FOR THE MX PROGRAM.

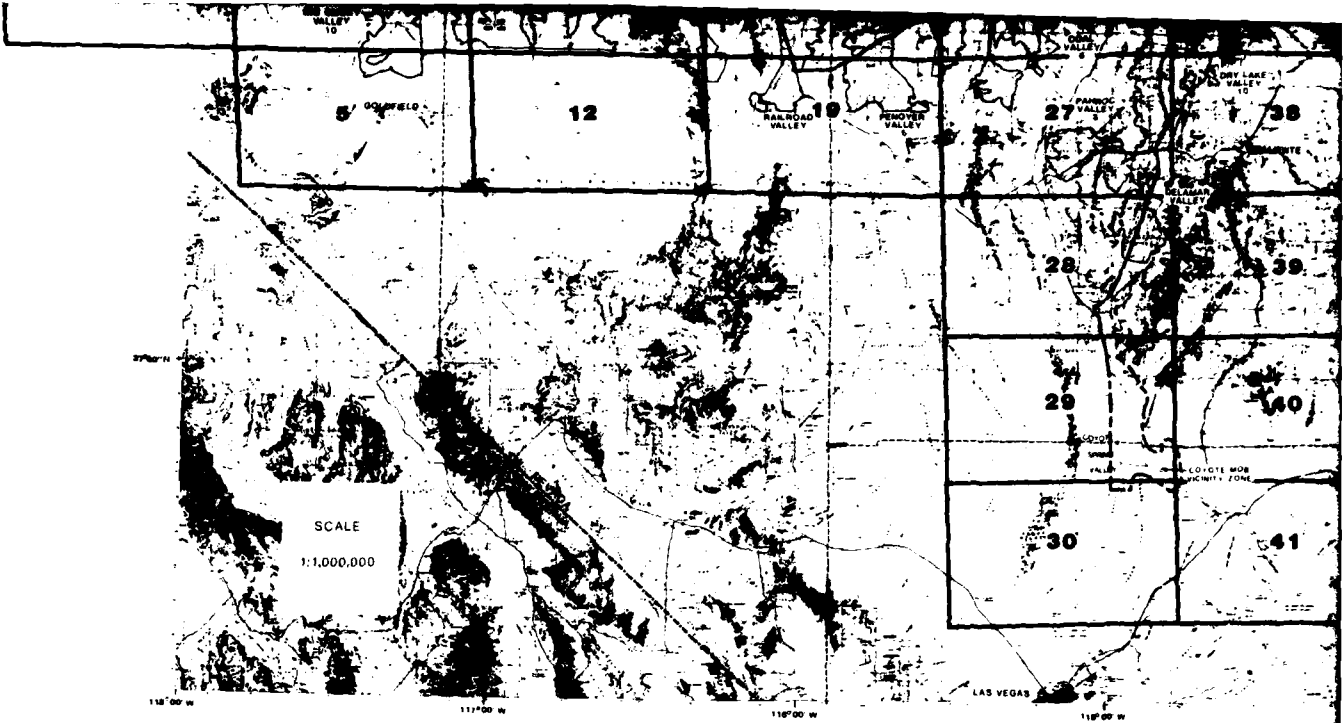
SYMBOLS USED ON 1:62,500 MAPS

MULTIPLE PROTECTIVE STRUCTURE LAYOUTS

-  CLUSTER ROAD NETWORK (CRN)
-  DESIGNATED TRANSPORTATION NETWORK (DTN)
-  CLUSTER MAINTENANCE FACILITY (CMF)
-  HORIZONTAL SHELTER SITES (HSS)
-  BARRIER
-  CLUSTER NUMBER
-  TOWNSHIP FIDUCIAL MARKS (SEE EXPLANATORY NOTE #2)

MAIN OPERATING BASE LAYOUTS

-  ACCESS ROAD OR TEMPORARY CONSTRUCTION ROAD
-  WATER PIPELINE
-  MX POWERLINES
-  PROPOSED INTERMOUNTAIN POWER PROJECT (IPP) POWERLINES
-  RELOCATION OF PROPOSED INTERMOUNTAIN POWER PROJECT (IPP) POWERLINES
-  RAILROAD SPUR OR SIDING
-  BORROW PIT
-  QUARRIES
-  WATER FIELD



NOTE:
 DUE TO MAP SCALE REDUCTION
 THE SCALE IS 1:2,000,000

MAP CELL CROSS REFERENCE INDICES

VALLEY NAME	15 MAY 1981 CLUSTER COUNT	CELL NUMBERS	CELL NUMBER	VALLEY NAME	CELL NUMBER	VALLEY NAME	UTAB
<u>UTAH</u>				<u>NEVADA</u>			
DUGWAY	5	51, 52	1*		19	GARDEN	
FISH SPRINGS FLAT	2	42, 51, 52	2	BIG SMOKY		PENoyer	
PINE	5	45, 46, 47	3	BIG SMOKY REVELLE	20	RAILROAD	
SEVIER DESERT	2	51, 52	4	BIG SMOKY REVELLE	21	BUTTE	
SEVIER LAKE	1	53, 54	5	BIG SMOKY		LONG	
SNAKE	19	33, 34, 35, 42, 43, 44, 45, 46	6	KOBEH	22	BUTTE	
TULE	10	43, 44, 45	7	ANTELOPE KOBEH		JAKES	
WAH WAH	5	45, 46, 54	8	MONITOR	23	LONG	
WHIRLWIND	12	52, 53	9	ANTELOPE MONITOR		NEWARK	
<u>NEVADA</u>			10	MONITOR	24	RAILROAD	
ANTELOPE	4	7, 8, 14, 15	11	HOT CREEK MONITOR		WHITE RIVER	
BIG SAND SPRINGS	3	16, 17	12	RALSTON	25	CAVE	
BIG SMOKY	10	2, 3, 4, 5	13	STONE CABIN		GARDEN	
BUTTE	9	20, 21, 22	14	REVELLE	26	MULESHOE	
CAVE	3	24, 25, 35, 36	15	RALSTON	27	RAILROAD	
COAL	6	26, 27	16	STONE CABIN		WHITE RIVER	
DELAMAR	3	27, 28	17	REVELLE	28	DRY LAKE	
DRY LAKE	10	26, 27, 37, 38	18	KOBEH	29	COAL	
GARDEN	6	18, 19, 25, 26, 27		ANTELOPE KOBEH		GARDEN	
HAMLIN	10	35, 36, 45, 46, 47		LITTLE SMOKY	30*	MULESHOE	
HOT CREEK	6	10, 11, 16, 17, 18		NEWARK	31*	RAILROAD	
JAKES	3	22, 23		NEWARK	32*	WHITE RIVER	
KOBEH	5	6, 7, 13, 14		ANTELOPE		DRY LAKE	
LAKE	7	35, 36, 37		LITTLE SMOKY	33	COAL	
LITTLE SMOKY	4	14, 15, 16		NEWARK	34	GARDEN	
LONG	4	20, 21, 22		RAILROAD	35	MULESHOE	
MONITOR	6	7, 8, 9, 10		ANTELOPE		RAILROAD	
MULESHOE	3	25, 26, 36, 37		LITTLE SMOKY		NEWARK	
NEWARK	5	14, 15, 22, 23		RAILROAD	28	PARROC	
PARROC	3	27		BIG SAND SPRINGS	29	DELAMAR	
PENoyer	5	18, 19		HOT CREEK	30*	COYOTE SPRING MOB	
RAILROAD	13	15, 16, 17, 18, 19, 24, 25		LITTLE SMOKY	31*		
RALSTON	9	3, 4, 10, 11		RAILROAD	32*		
REVELLE	3	11, 12, 18, 19		BIG SAND SPRINGS	33		
SPRING	4	35, 36		HOT CREEK	34		
STONE CABIN	8	10, 11		RAILROAD	35		
WHITE RIVER	12	24, 25		GARDEN			
				HOT CREEK			SNAB
				PENoyer			SNAB
				REVELLE			SNAB
				RAILROAD			

*CELL DOES NOT INCLUDE VALLEY WITH NPS LAYOUT

REDUCED, COPIED, OR ENLARGED TO ABOUT 1:62,500 MAP SCALE. THE NEGATIVES WERE BUTT SPLICED AND EDGE MATCHED TO MAINTAIN GRAPHIC CONTINUITY WHERE POSSIBLE. WHEN OFFSETS WERE ENCOUNTERED, SPLICING WAS PERFORMED SO AS TO MAINTAIN MAXIMUM CONTROL AT MAP GRID CELL CENTER.

IN SOME INSTANCES WHERE USGS PUBLISHED MAPS WERE NOT AVAILABLE, ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) PRODUCED 1:62,500 SCALE TOPOGRAPHIC MAPS FROM AERIAL PHOTOGRAPHS.

ON SOME OF THE FOLLOWING MAPS THE CULTURAL FEATURES ARE NOT CURRENT DUE TO THE AGE OF THE AVAILABLE BASE MAPS. SUBSEQUENT REVISIONS WILL INCORPORATE THE MOST CURRENT DATA AS THEY BECOME AVAILABLE FROM THE USGS.
















4. M.P.S. LAYOUTS ARE BASED ON BMO/AFRCE-MX SITING REQUIREMENTS OF 6 JUNE 1980 AND SUBSEQUENT DIRECTIVES. THE GEOMETRY UTILIZES 5200-FT HORIZONTAL SPACING, 2/3 FILLED HEXAGONAL PATTERN, MINIMUM 55° ANGLE OFFSET BETWEEN ADJACENT STRUCTURES AND A DIRECT CONNECT ROAD PATTERN (SCHEMATIC) BETWEEN SHELTER LOCATIONS. SHELTERS ARE GROUPED TO FORM IN CLUSTERS EACH OF 23 PRIMARY SHELTERS. EACH CLUSTER IS IDENTIFIED BY A NUMBER; EACH SHELTER BY TWO NUMBERS, THUS EACH HORIZONTAL SHELTER SITE BEARS A NUMERICAL INDEX OF WHICH THE FIRST DIGIT IS THE CLUSTER NUMBER AND THE LAST SINGLE OR DOUBLE DIGIT IS THE SHELTER NUMBER WITHIN THAT CLUSTER (1-23). EXCEPT FOR THE THREE I.O.C. VALLEYS (DRY LAKE, PINE, WAH-WAH) NONE OF THE FACILITIES WERE SITED BY SITE SPECIFIC FIELD SURVEYS.

5. MAP SYMBOLS SHOWN IN THE EXPLANATION ON THIS SHEET PERTAIN TO THE INFORMATION PLACED ON THESE MAPS FOR THE MX PROGRAM. AN EXPLANATION OF SYMBOLS FOR THE USGS BASE MAPS IS NOT INCLUDED. IT IS ASSUMED THAT THE READER IS FAMILIAR WITH THE STANDARD USGS TOPOGRAPHIC MAPPING SYMBOLS.

6. THE DTN ROAD ALIGNMENTS IN THE 1:62,500 MAPS REPRESENT THE APPROXIMATE CENTER LINE OF THE PROPOSED DTN RIGHT-OF-WAY. WHERE THESE PROPOSED ALIGNMENTS DEPART FROM EXISTING ROADS, TANGENT LINE SEGMENTS ARE USED TO INDICATE THE ALIGNMENT. THESE TANGENT LINE SEGMENTS HAVE NOT CONSIDERED THE ROAD DESIGN RADII OF CURVATURE.

7. THE O.B. AND O.B.T.S. BOUNDARIES, SHOWN AT 1:62,500 MAP SCALE REPRESENT A GENERALIZED SITING AREA DELINEATED TO THE NEAREST ONE-QUARTER SECTION. FINALIZATION OF THE SPECIFIC FACILITY LOCATION WILL BE WITHIN THIS AREA AND OCCUPY LESS AREA THAN IS ENCLOSED BY THE CURRENT DEPICTION.

8. THE MATERIAL SITES BOUNDARIES SHOWN AT 1:62,500 REPRESENT GENERALIZED AREAS DELINEATED TO THE NEAREST ONE-QUARTER SECTION. FINALIZATION OF THE SPECIFICS REGARDING CONSTRUCTION WILL DICTATE WHETHER THE IDENTIFIED MATERIAL SITES ARE ACTUALLY USED AND TO WHAT EXTENT THEY ARE TO BE USED.

-  DESIGNATED TRANSPORTATION NETWORK (DTN)
 -  CLUSTER MAINTENANCE FACILITY (CMF)
 -  HORIZONTAL SHELTER SITES (HSS)
 -  BARRIER
 -  CLUSTER NUMBER
 -  TOWNSHIP FIDUCIAL MARKS (SEE EXPLANATORY NOTE #2)
- MAIN OPERATING BASE LAYOUTS
-  ACCESS ROAD OR TEMPORARY CONSTRUCTION ROAD
 -  WATER PIPELINE
 -  MX POWERLINES
 -  PROPOSED INTERMOUNTAIN POWER PROJECT (IPP) POWERLINES
 -  RELOCATION OF PROPOSED INTERMOUNTAIN POWER PROJECT (IPP) POWERLINES
 -  RAILROAD SPUR OR SIDING
 -  BORROW PIT
 -  QUARRIES
 -  WATER FIELD

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
REVISIONS				

DEPARTMENT OF THE AIR FORCE			
AIR FORCE REGIONAL CIVIL ENGINEER - MX			
NORTON AIR FORCE BASE, CA 92409			
SIGNATURE		DATE	
DRAWN BY <i>R. Anderson</i>		10/21/81	
CHECKED BY <i>A. Smith</i>			
GEO TECHNICAL			
SITING			
ENVIRONMENTAL			
SYSTEMS ENGINEER		APPROVED BY	
CORPS OF ENGINEERS		AIR FORCE REGIONAL CIVIL ENGINEER - MX	
APPROVED BY		DRAWING NUMBER A	
USAF BALLISTIC MISSILE OFFICE		SHEET _____ OF _____	

EXPLANATION SHEET
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

DATE

REV



1

2

116°20' 00" W

116°20' 00" W



114200 00' W

115200 00' W

DUGWAY VALLEY 6

FISH SPRINGS FLAT 2

SEVER DESERT 2

SNAKE VALLEY 19

ASC

TULE VALLEY 10

WHIRLWIND VALLEY 12

HAMLIN VALLEY

SNAKE VALLEY

TULE VALLEY

SEVER LAKE 1

PINE VALLEY 5

WAH WAH VALLEY 5

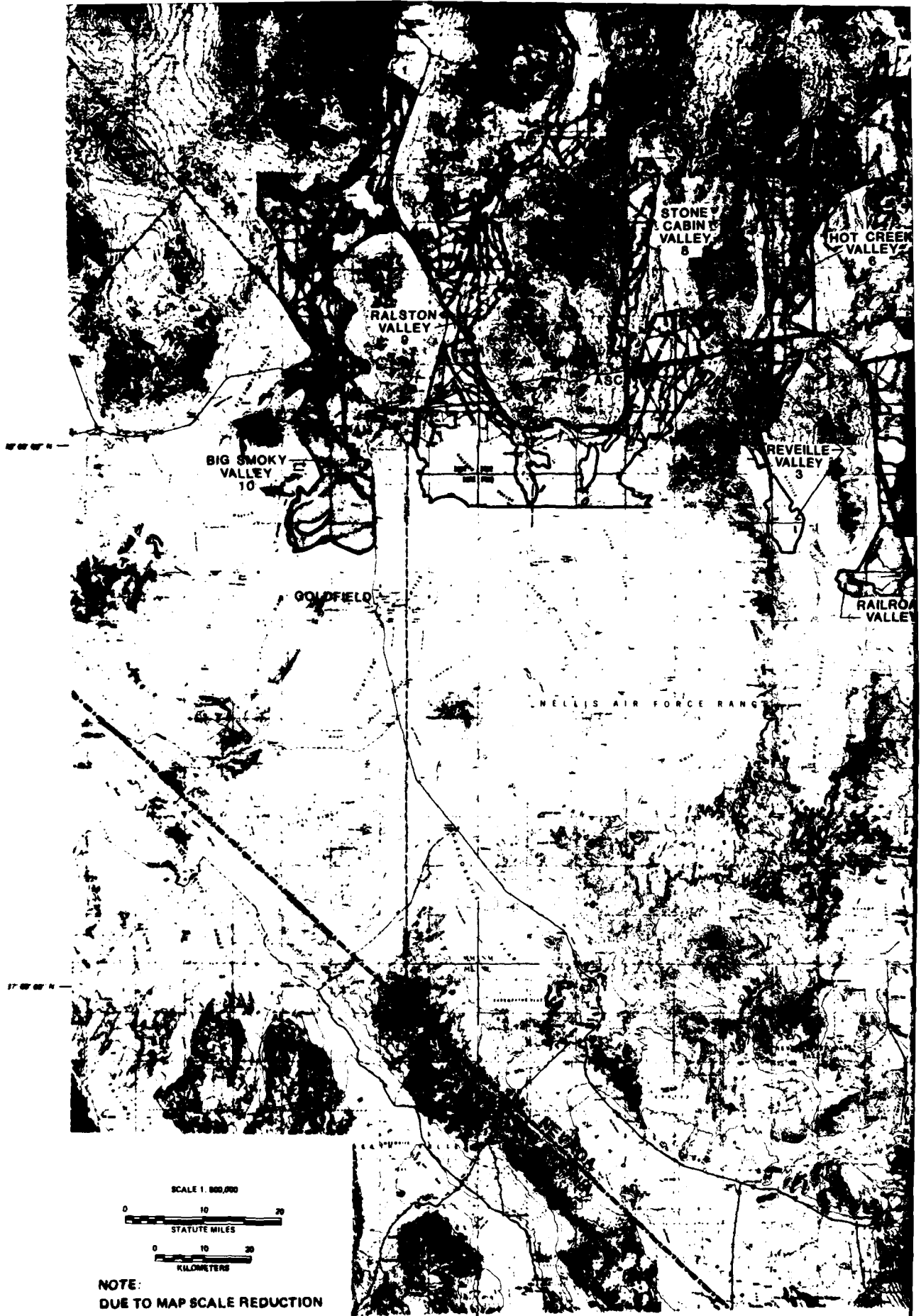
HAMLIN VALLEY 10

VIGNETTY LAKE

SEVERITY ZONE

SEVER

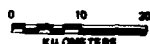




SCALE 1,000,000



STATUTE MILES

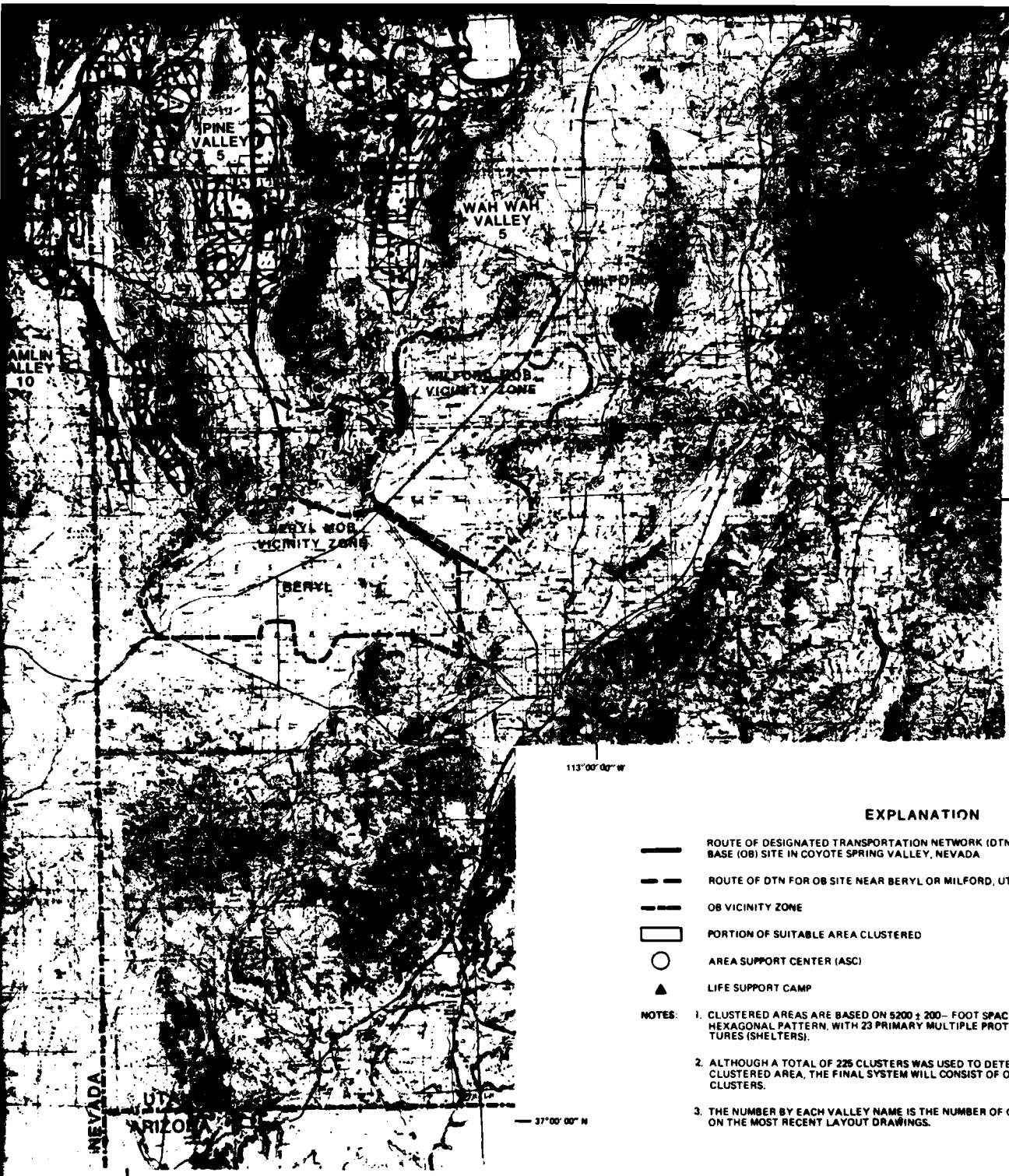


KILOMETERS







NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:1,000,000

117° 00' 00" W

116° 00'



EXPLANATION

-  ROUTE OF DESIGNATED TRANSPORTATION NETWORK (DTN) FOR OPERATIONAL BASE (OB) SITE IN COYOTE SPRING VALLEY, NEVADA
-  ROUTE OF DTN FOR OB SITE NEAR BERYL OR MILFORD, UTAH
-  OB VICINITY ZONE
-  PORTION OF SUITABLE AREA CLUSTERED
-  AREA SUPPORT CENTER (ASC)
-  LIFE SUPPORT CAMP

- NOTES:**
1. CLUSTERED AREAS ARE BASED ON 5200 ± 200- FOOT SPACING, 2/3 FILLED HEXAGONAL PATTERN, WITH 23 PRIMARY MULTIPLE PROTECTIVE STRUCTURES (SHELTERS).
 2. ALTHOUGH A TOTAL OF 225 CLUSTERS WAS USED TO DETERMINE THE CLUSTERED AREA, THE FINAL SYSTEM WILL CONSIST OF ONLY 200 CLUSTERS.
 3. THE NUMBER BY EACH VALLEY NAME IS THE NUMBER OF CLUSTERS BASED ON THE MOST RECENT LAYOUT DRAWINGS.

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
REVISIONS				

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE	REGIONAL MAP MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY <i>A. Sordis</i>	<i>4/16/71</i>	
GEO TECHNICAL <i>Stanley H. Maden</i>	<i>4/16/71</i>	
SIXTH <i>W.D. Snyder</i>	<i>10/1/71</i>	
ENVIRONMENTAL		
SYSTEMS ENGINEER		APPROVED BY
CORPS OF ENGINEERS		AIR FORCE REGIONAL CIVIL ENGINEER - MX
APPROVED BY		DATE
USAF BALLISTIC MISSILE OFFICE		DRAWING NUMBER
		REV
		SHEET _____ OF _____

37°07'30"N

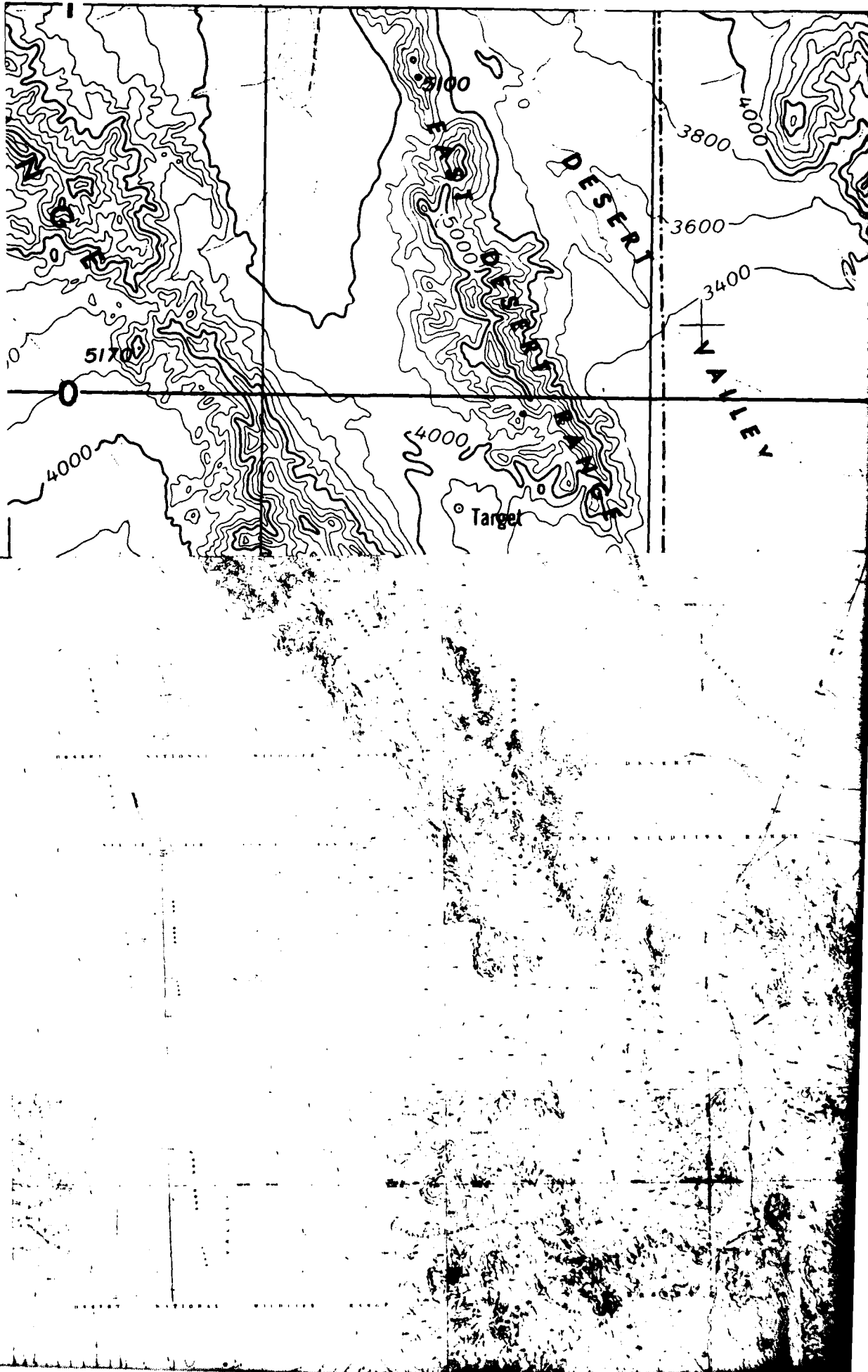
T10S

37°07'00"N

T11S

NONE

T12S



R60E

115°15'00"W

R61E

SEE DRAWING #28

R62E

115°00'00"W



DESIGNATED TRAIL

EXISTING HIGHWAY

MX POWERLINE

WORLD

MX POWERLINE ALONG DTN

MAIN
OPERATION
DEPARTMENT
ASSEMBLY

RELOCATION OF PROPOSED POWERLINE
AND OTHER UTILITY RIGHTS-OF-WAY
EXACT ALIGNMENT WILL BE IDENTIFIED AFTER
COMPLETION OF TIER IIA SITE SPECIFIC STUDIES

MONDAY 83

115°00'00"W

R63E

R64E

114°45'00"W

37°07'30"N

DESIGNATED TRANSPORTATION NETWORK (DTN)

T10S

EXISTING HIGHWAY 93

MX POWERLINE ALONG DTN

37°00'00"N

T11S

SEE DRAWING #40

OPERATIONAL
BASE
TEST SITE/
DESIGNATED
TRAINING AREA

BORROW
PIT #2

T12S

MX POWERLINE ALONG DTN

MAIN
OPERATING BASE/
DESIGNATED
ASSEMBLY AREA

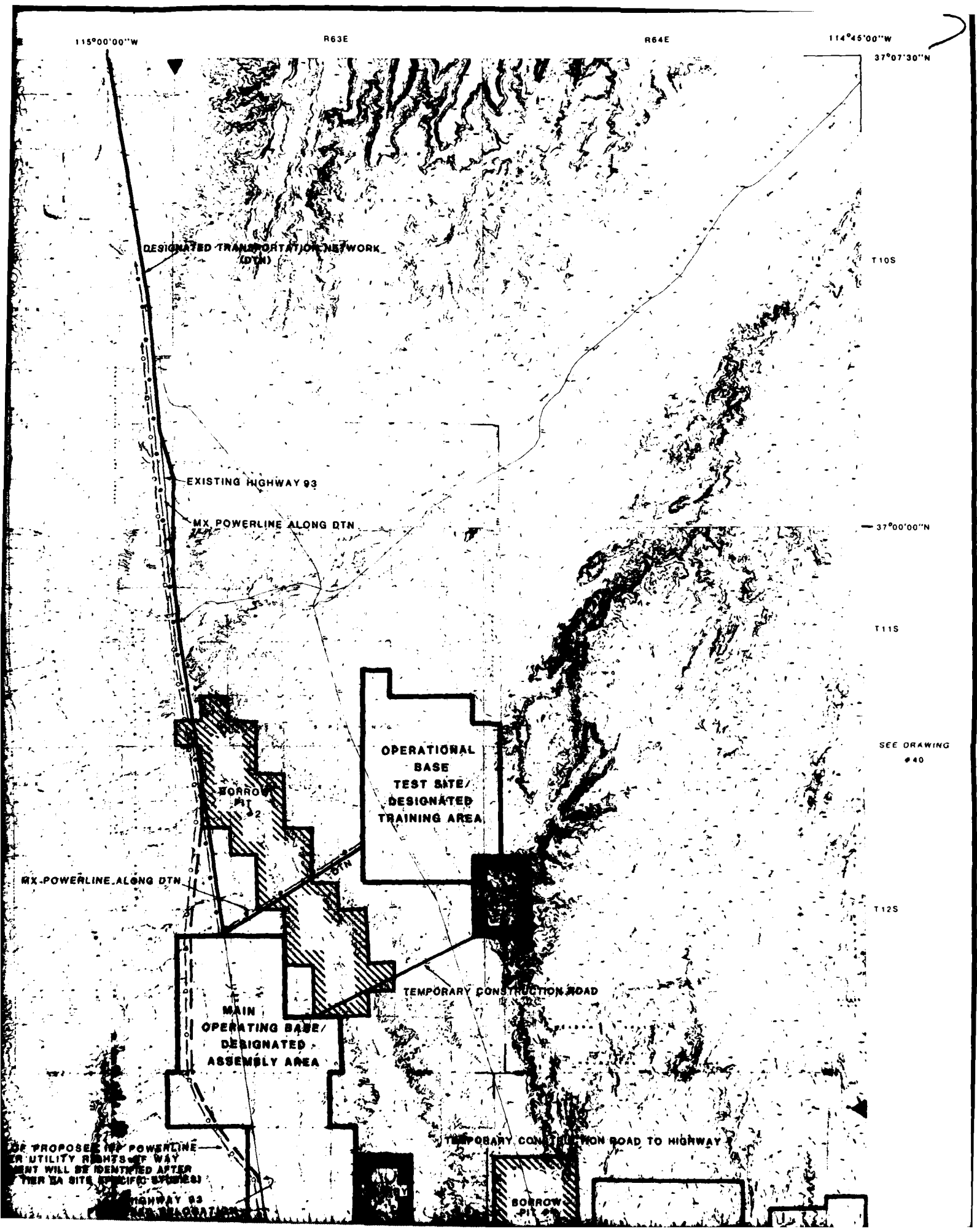
TEMPORARY CONSTRUCTION ROAD

TEMPORARY CONSTRUCTION ROAD TO HIGHWAY

FOR PROPOSED MX POWERLINE
OR UTILITY RIGHTS-OF-WAY
MENT WILL BE IDENTIFIED AFTER
THEIR SA SITE SPECIFIC STUDIES

HIGHWAY 93

BORROW
PIT #1



NONE

T12S

T13S

36°45'00"N

115°30'00"W

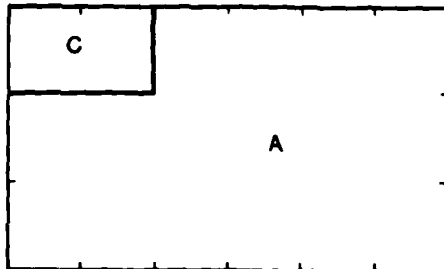
R58E

R59E

115°15'00"

R60E

BASE MAP SOURCE INSET

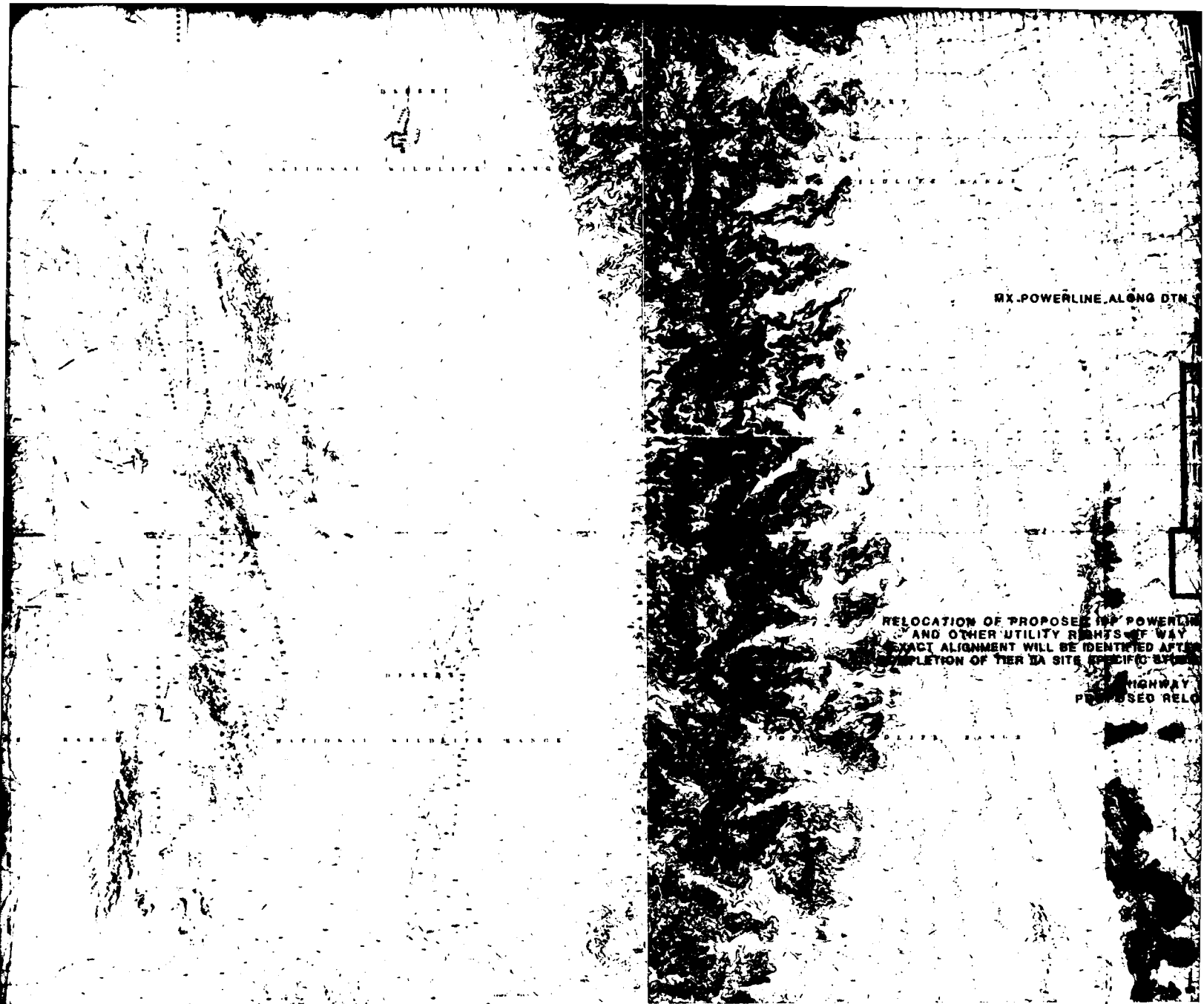


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



MX-POWERLINE ALONG DTN

RELOCATION OF PROPOSED 110 KV POWERLINE AND OTHER UTILITY RIGHTS OF WAY EXACT ALIGNMENT WILL BE IDENTIFIED AFTER COMPLETION OF TIER 2A SITE SPECIFIC STUDY

HIGHWAY PROPOSED RELO

115°15'00"W
R60E

R61E

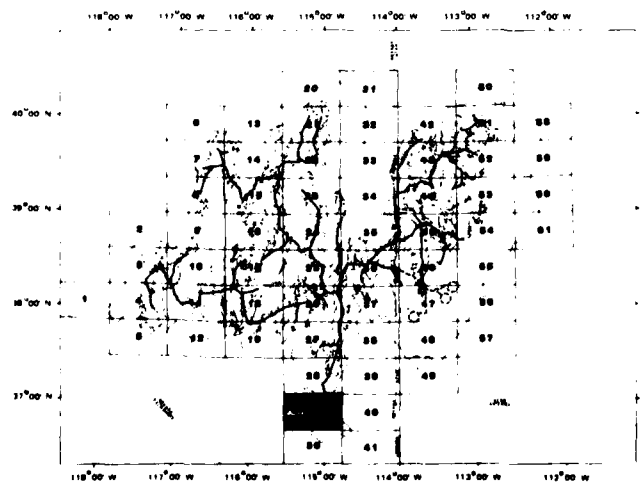
SEE DRAWING #30

R62E

115°00'00"W

MAP SHEET LOCATION

SCALE USGS (1:24,000)
SCALE USGS (1:62,500)
SCALE USGS (1:250,000)
ANIMATIC METHODS BY
ONLY FUGRO GEOMETRICS



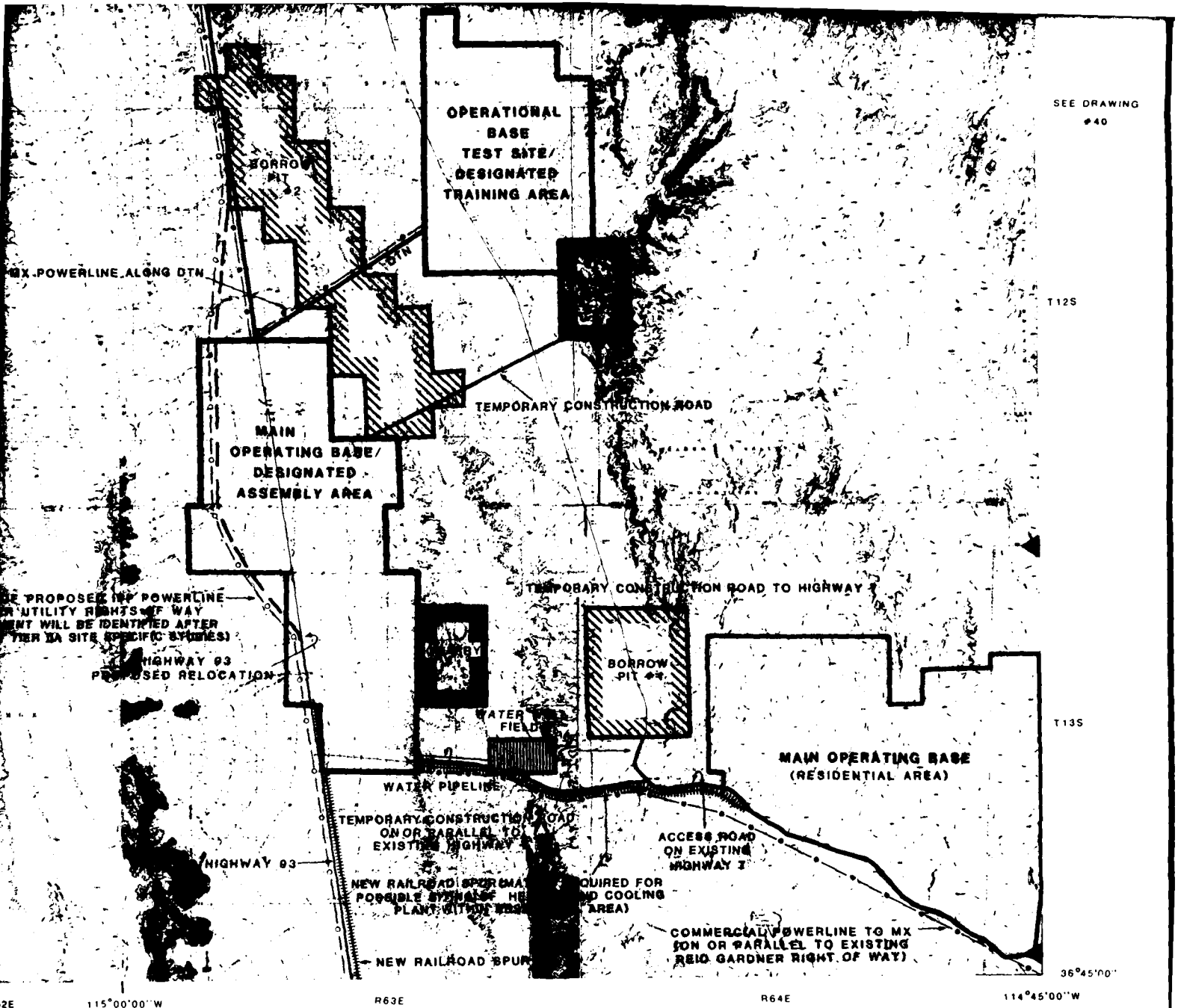
SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE.
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	10/18	10/18/2018
REVISION	DATE	



SEE DRAWING #40

T12S

T13S

36°45'00"

R62E 115°00'00" W R63E R64E 114°45'00" W

PROJECT MAP SHEET	
STATE: NEVADA	RAILROADS: NONE
COUNTY: LINCOLN, CLARK	STATE ROADS: HWY 7
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 93

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/20/81	CONTRACTOR	<i>J. J. Gardner</i>	10/2/81

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE	OPTION C-COYOTE SPRING MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH		
DRAWN BY <i>A. Gardner</i>	10/1/81			
GEOTECHNICAL <i>A. Gardner</i>	10/1/81			
SITING <i>J. J. Gardner</i>	10/1/81			
ENVIRONMENTAL				
SYSTEMS ENGINEER		APPROVED BY	DATE	
CORPS OF ENGINEERS				
APPROVED BY		AIR FORCE REGIONAL CIVIL ENGINEER - MX	DRAWING NUMBER 20	REV
USAF BALLISTIC MISSILE OFFICE		SHEET _____ OF _____		

REVISIONS

FIGURE 14

115°30'00"W

R58E

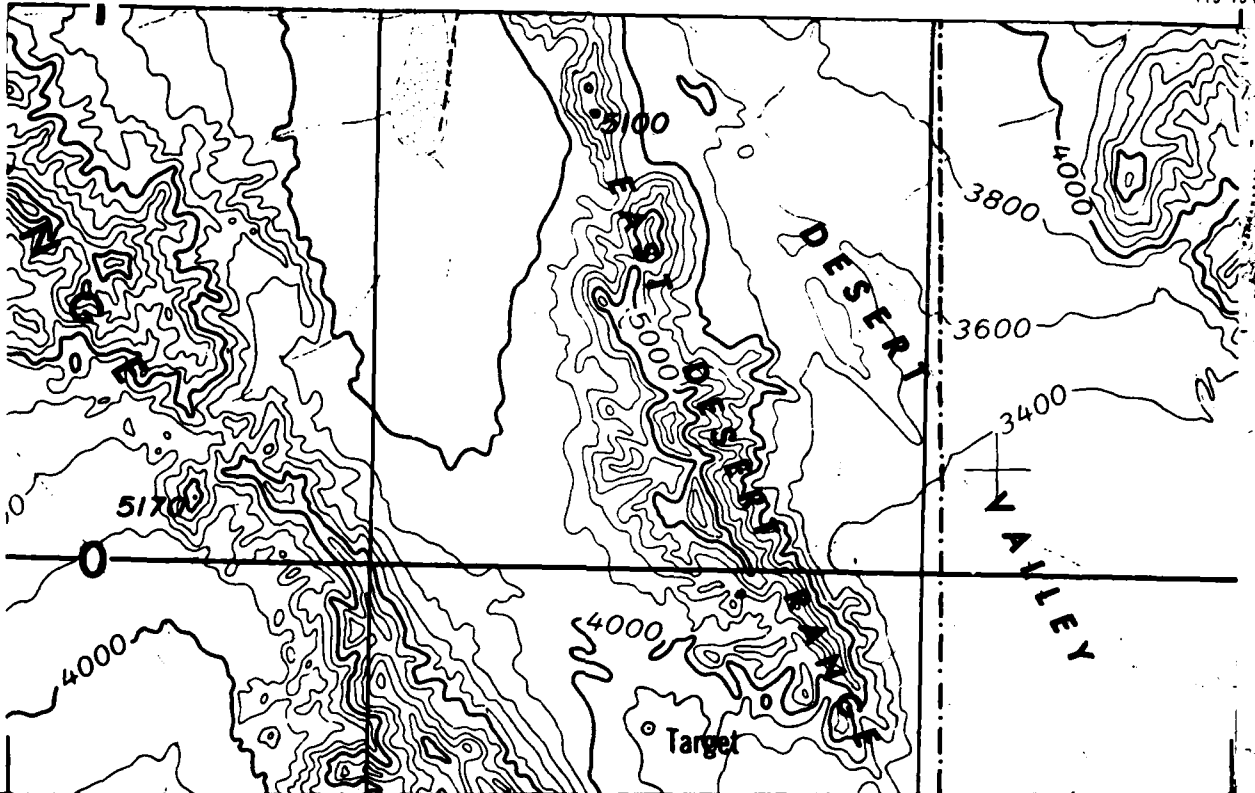
R59E

R60E

37°07'30"N

115°15'00"W

T10S

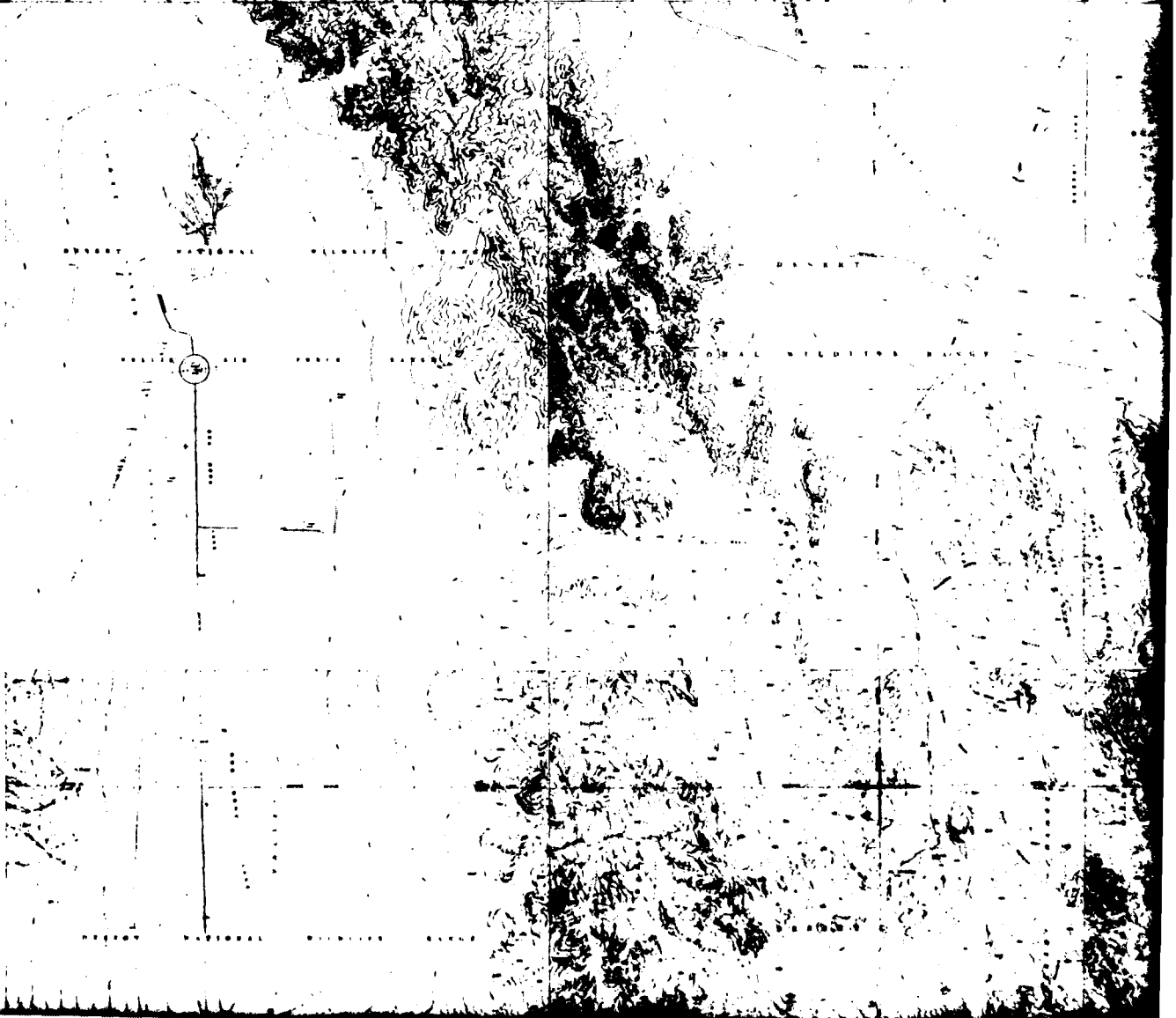


37°07'00"N

T11S

NONE

T12S



R60E

115°15'00"W

R61E

SEE DRAWING #28

R62E

115°00'00"W

DESIGNATED TRANSPORTATION NETWORK (DTN)

EXISTING HIGHWAY

MX POWERLINE

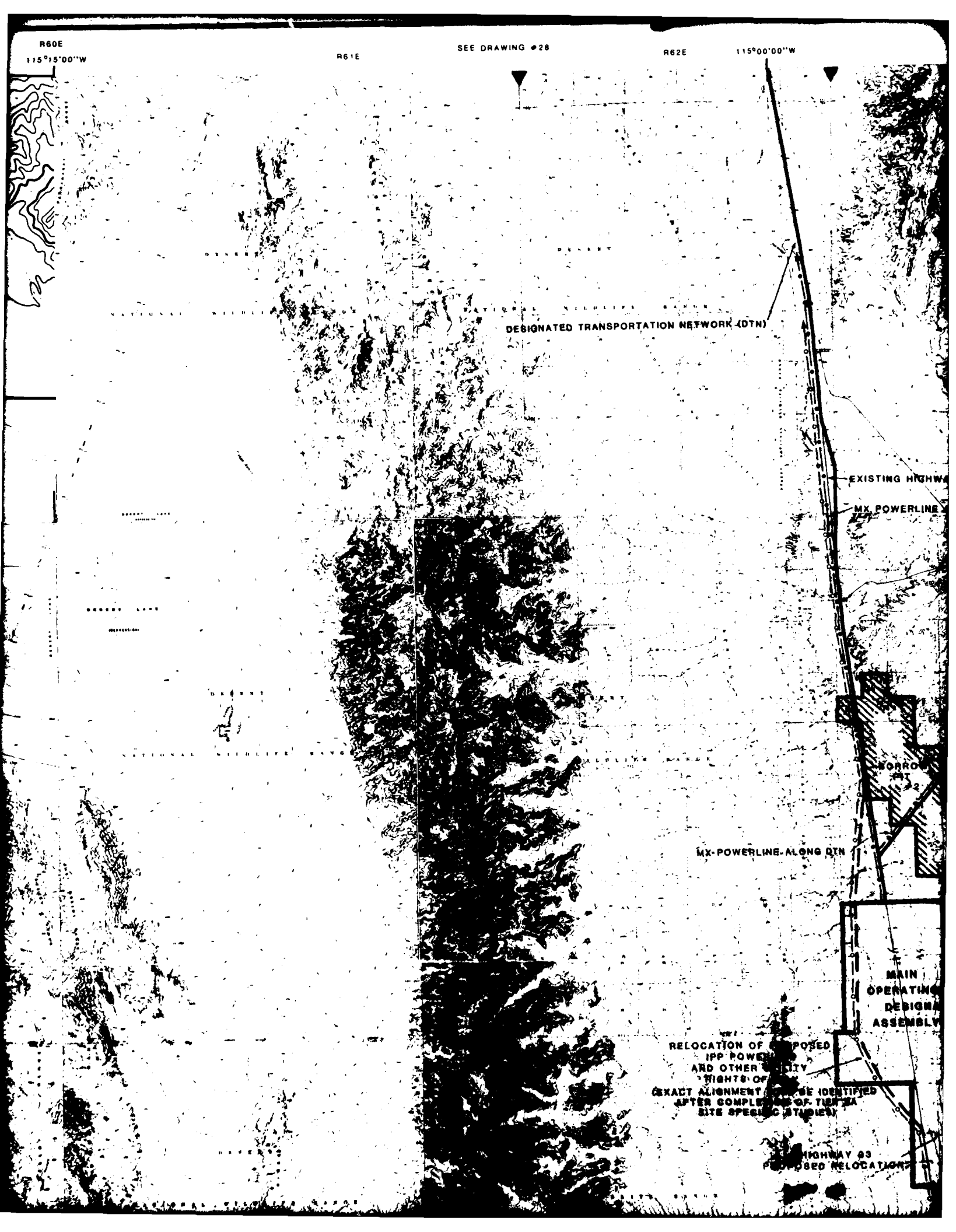
MX-POWERLINE-ALONG DTN

WARRIOR

MAIN OPERATING DESIGN ASSEMBLY

RELOCATION OF PROPOSED IPP POWER AND OTHER UTILITY RIGHTS OF WAY EXACT ALIGNMENT TO BE IDENTIFIED AFTER COMPLETION OF THE SA SITE SPECIFIC STUDIES

HIGHWAY 93 PROPOSED RELOCATION



115°00'00"W

R63E

R64E

114°45'00"W

37°07'30"N

ORK (DTN)

EXISTING HIGHWAY 93

MX POWERLINE ALONG DTN

T10S

37°00'00"N

OPERATIONAL BASE
TEST SITE/
DESIGNATED
TRAINING AREA

T11S

SEE DRAWING
#40

BORROW
PIT

POWERLINE ALONG DTN

T12S

TEMPORARY CONSTRUCTION ROAD

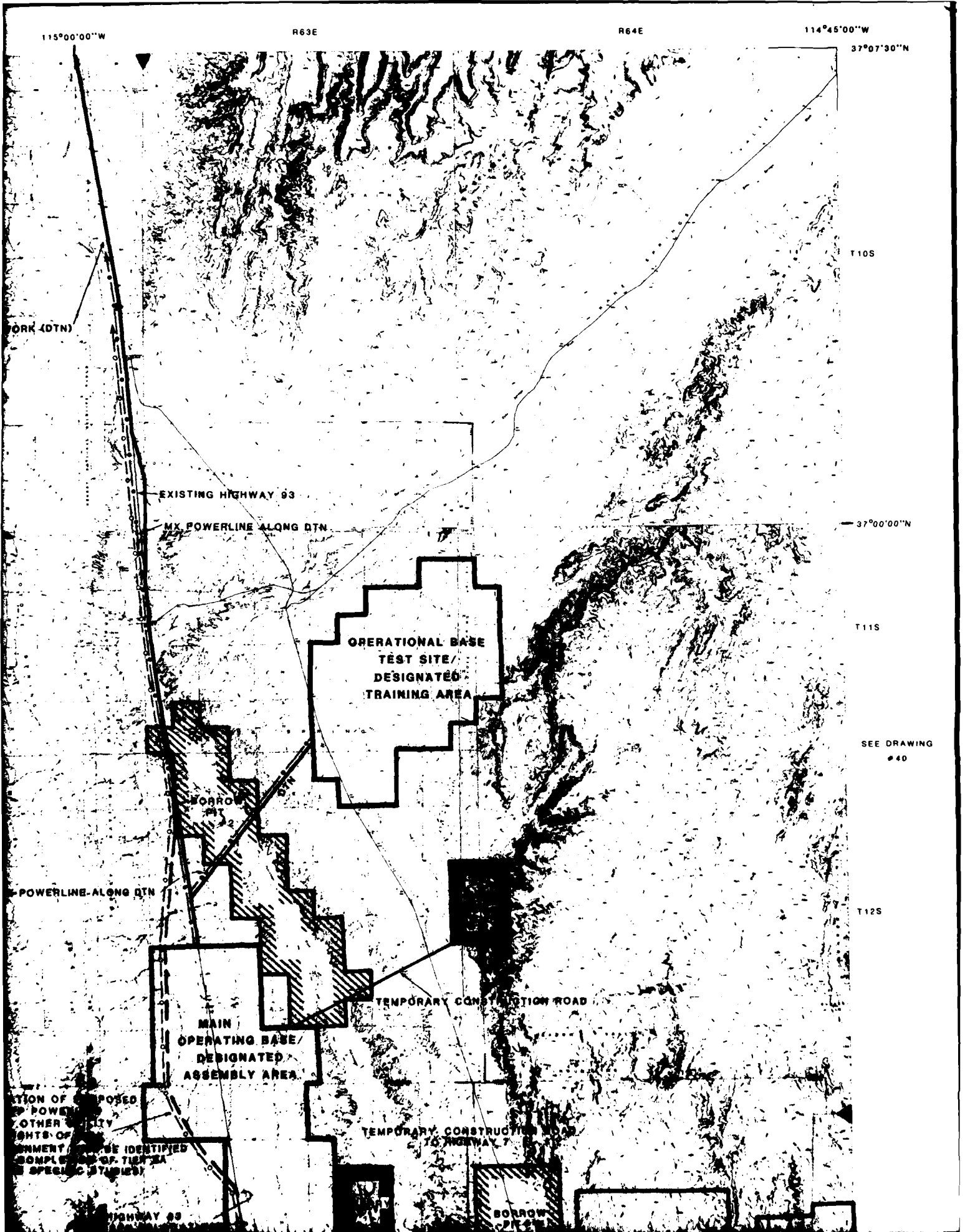
MAIN
OPERATING BASE/
DESIGNATED
ASSEMBLY AREA

LOCATION OF PROPOSED
POWER
OTHER UTILITY
LIGHTS OF
CONCRETE TO BE IDENTIFIED
COMPLETION OF TEST AREA
IN SPECIFIC STUDIES

TEMPORARY CONSTRUCTION ROAD
TO HIGHWAY 7

HIGHWAY 93

BORROW
PIT



NONE

T 12S

T 13S

36°45'00"N

115°30'00"W

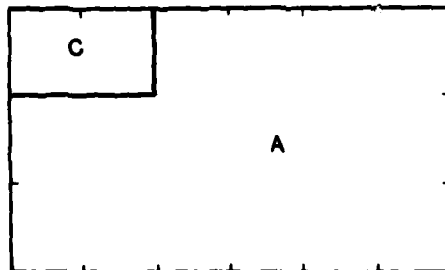
R 58E

R 59E

115°15'00"W

R 60E

BASE MAP SOURCE INSET

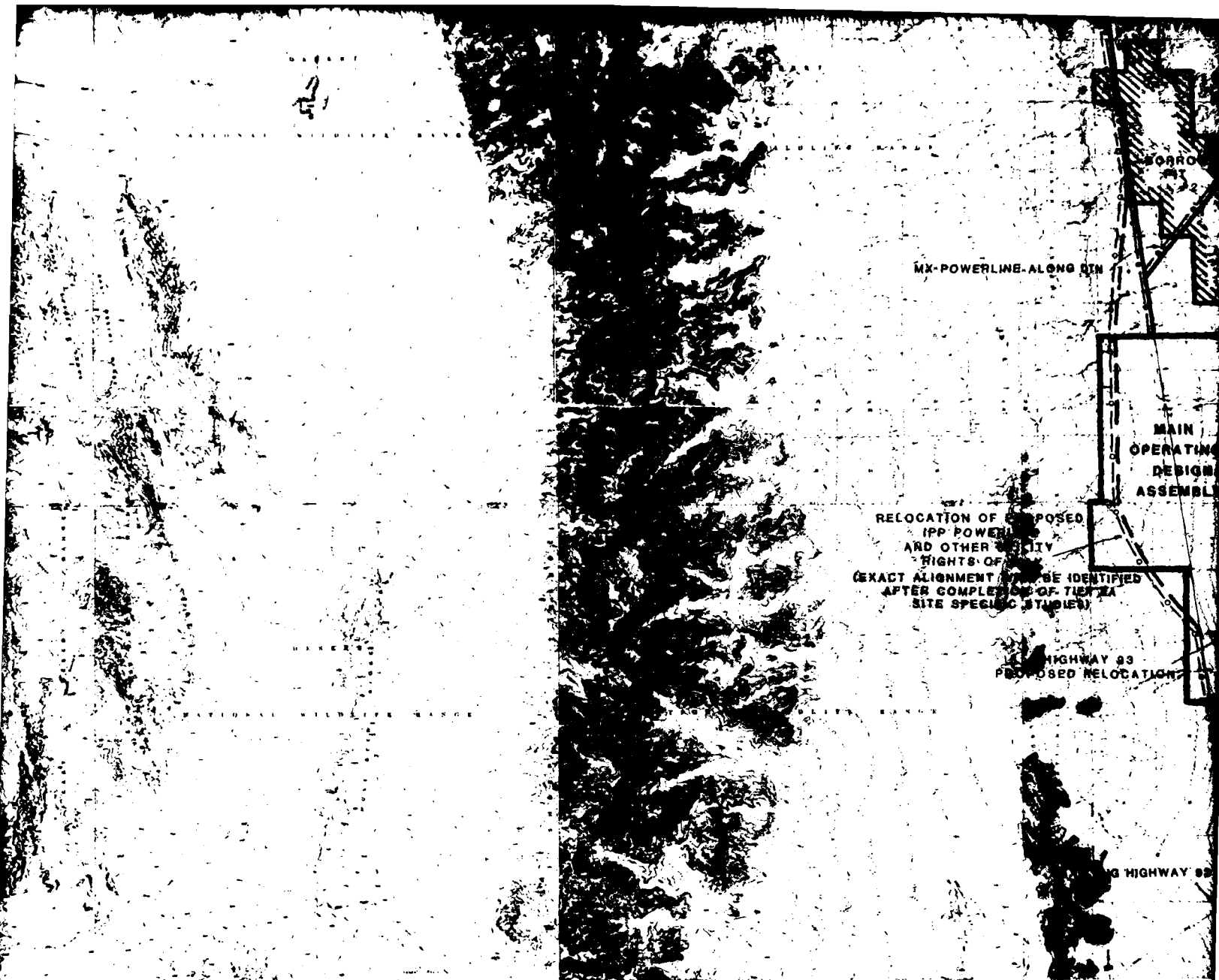


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



115°15'00"W
R60E

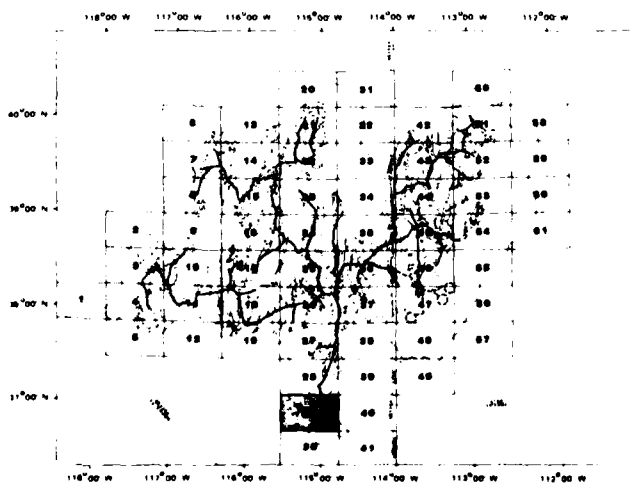
R61E

R62E

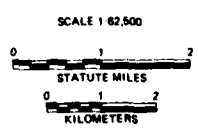
115°00'00"W

SEE DRAWING #30

MAP SHEET LOCATION



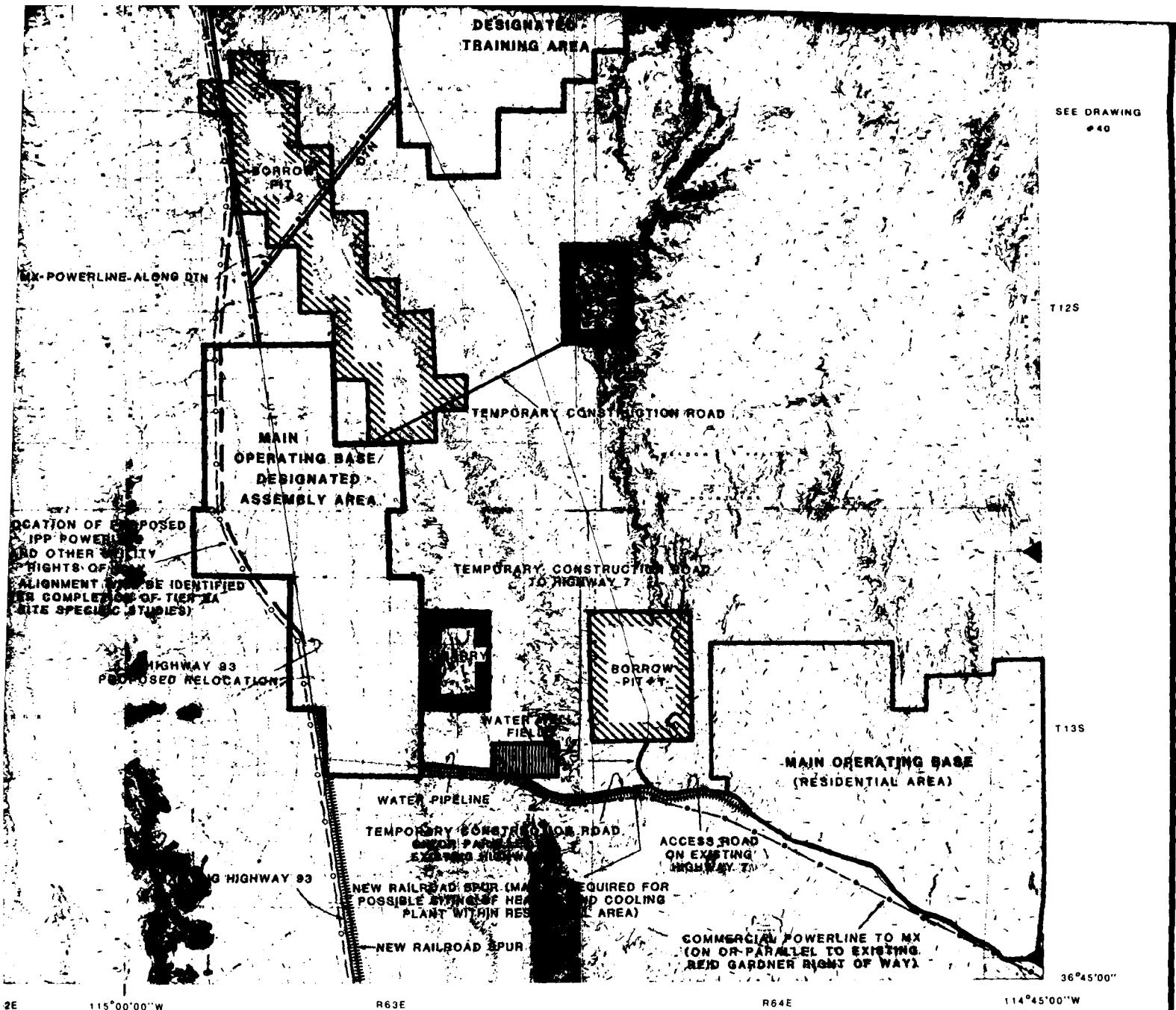
SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	ISSUED	ISSUED SHEET
REVISION	DATE	DESCRIP

RE



SEE DRAWING #40

T125

T135

36°45'00"

2E 115°00'00"W R63E R64E 114°45'00"W

PROJECT MAP SHEET	
STATE: NEVADA	RAILROADS: NONE
COUNTY: LINCOLN, CLARK	STATE ROADS: HWY 7
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 93

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/21/81	REVISED COPY	<i>T.B. Snyder</i>	10/21/81

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE	OPTION D-COVOTE SPRING MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH	
DRAWN BY: <i>T.B. Snyder</i>	9/17/81		
CHECKED BY: <i>A. Sanders</i>			
GEOTECHNICAL: <i>W. M. Mason</i>	9/17/81		
SITING: <i>T.B. Snyder</i>	9/17/81		
ENVIRONMENTAL			
SYSTEMS ENGINEER		APPROVED BY:	DATE
CORPS OF ENGINEERS			

AIR FORCE REGIONAL CIVIL ENGINEER - MX

APPROVED BY	DRAWING NUMBER 29	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

FIGURE 1

114 00'00"W

R19W

R18W

R17W
113 45'00"

38 15'00"N

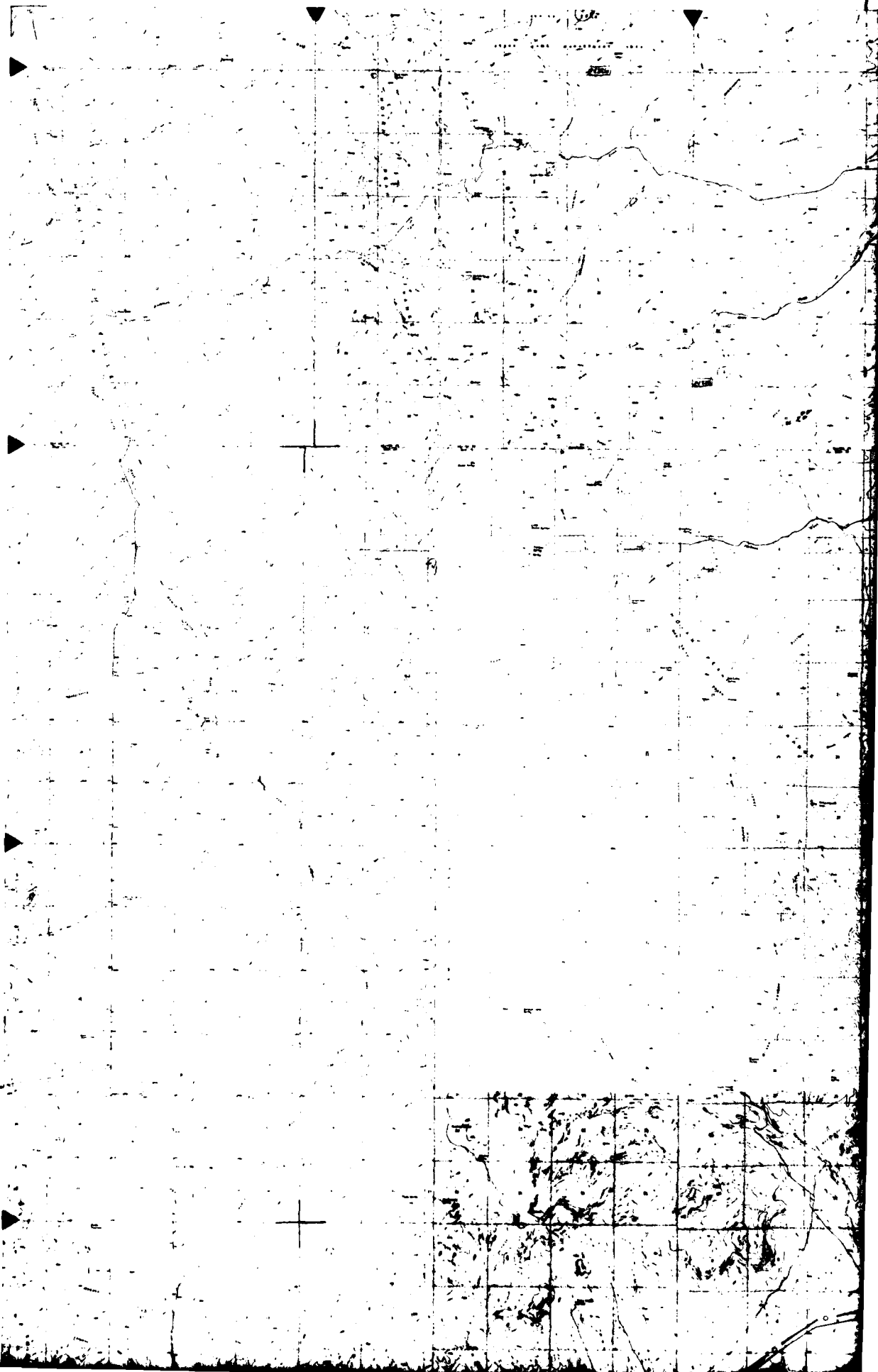
T30S

T31S

SEE DRAWING
#37

T32S

38°00'00"N



R17W
13 45'00"W

R16W

SEE DRAWING #46

R15W

113 30'00"W

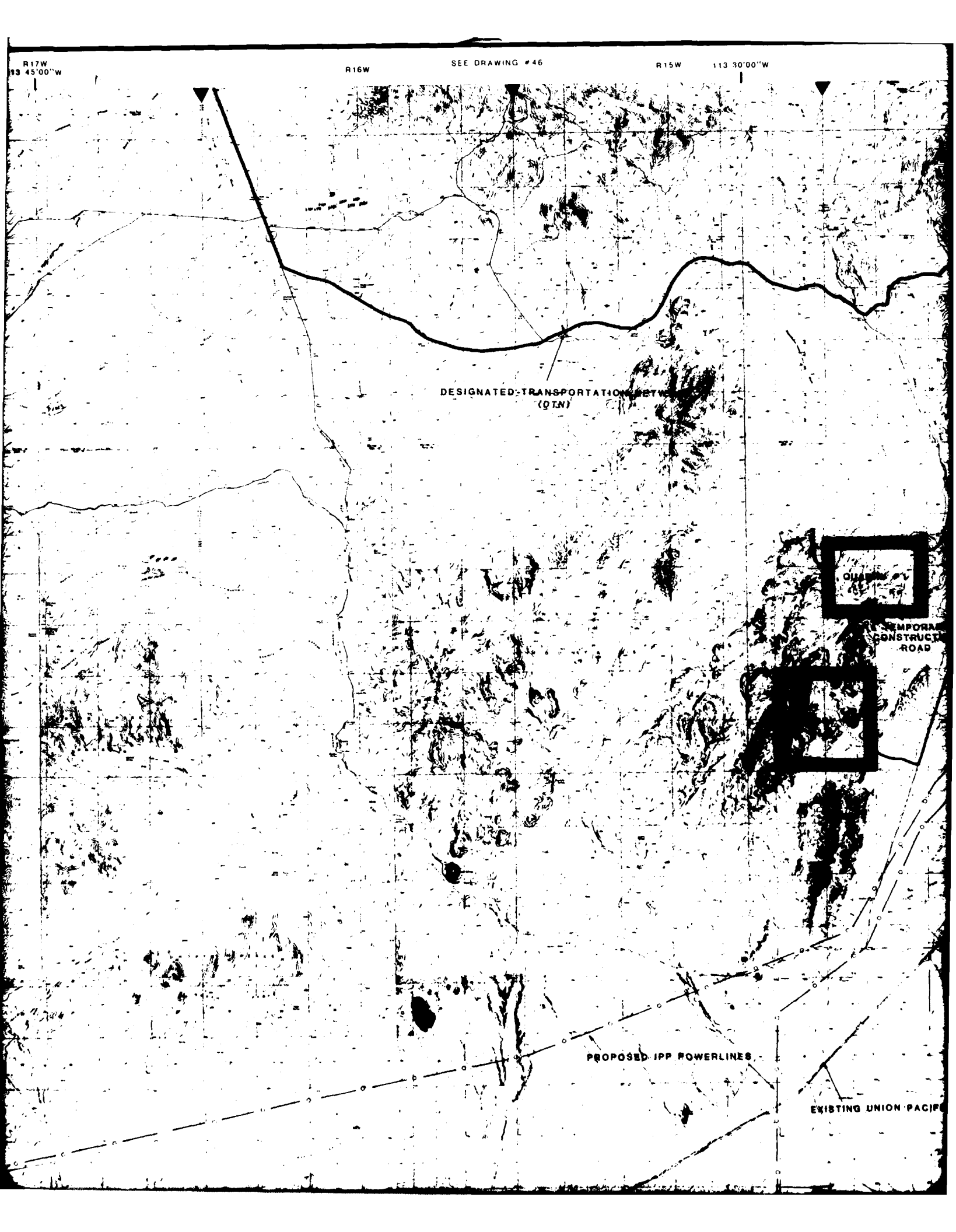
DESIGNATED TRANSPORTATION SYSTEM
(DTN)



TEMPORARY
CONSTRUCTION
ROAD

PROPOSED IPP POWERLINES

EXISTING UNION PACIFIC



15W 113 30'00"W

R14W

R13W

113 15'00"W

38° 15'00" N

MX POWERLINE ALONG DTM

DTM

TEMPORARY
CONSTRUCTION ROAD

MAIN OPERATING BASE /
DESIGNATED ASSEMBLY AREA

T305

ACCESS ROAD

TEMPORARY
CONSTRUCTION ROAD

RELOCATION OF PROPOSED IPP
POWERLINES (EXACT ALIGNMENT WILL
BE IDENTIFIED AFTER COMPLETION OF
TIER 3A SITE SPECIFIC STUDIES)

DTM

T315

QUARRY

BORROW
PIT #2

TEMPORARY
CONSTRUCTION
ROAD

MX POWERLINE ALONG DTM

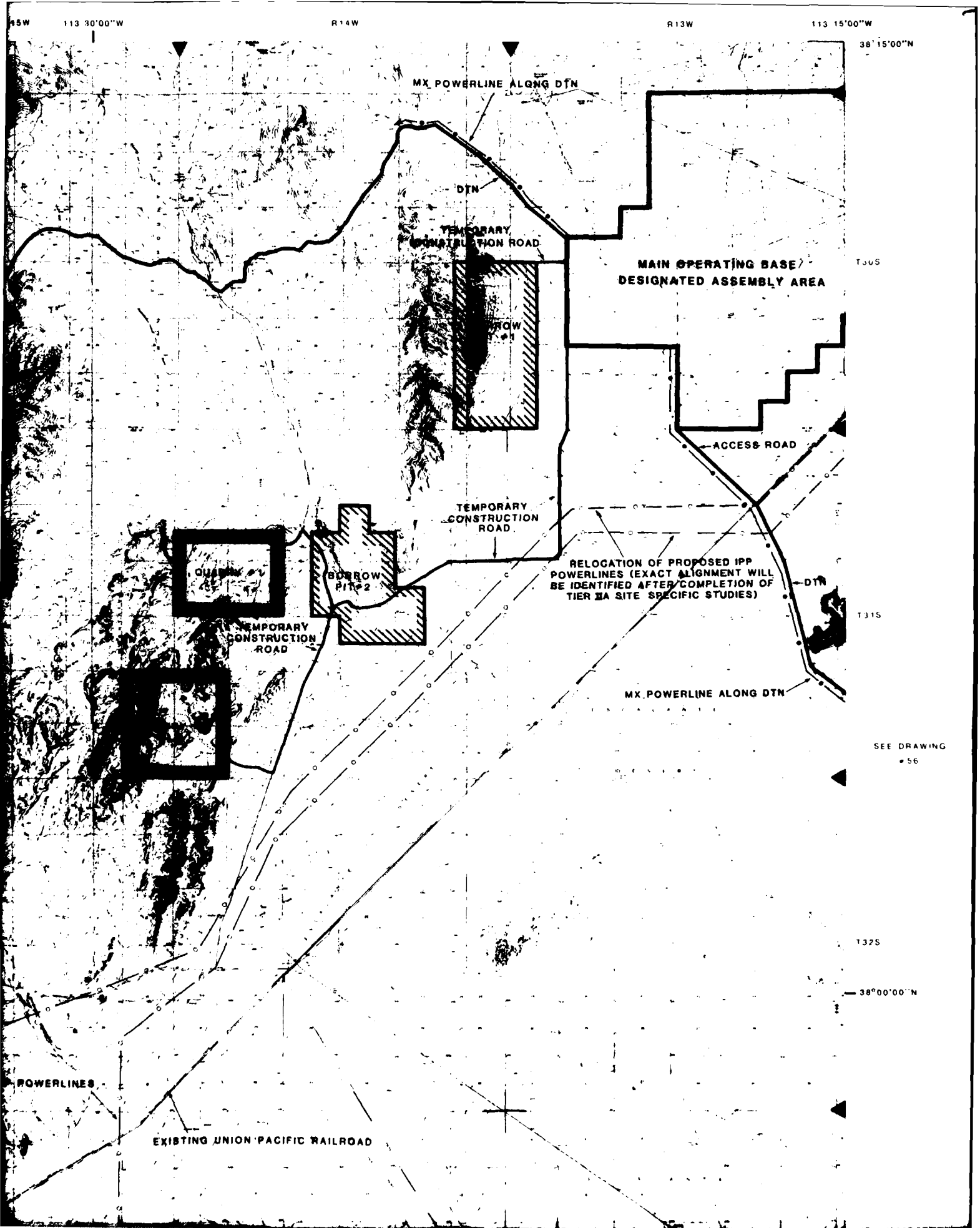
SEE DRAWING
56

T325

38° 00'00" N

POWERLINES

EXISTING UNION PACIFIC RAILROAD



T31S

SEE DRAWING
#37

T32S

38°00'00"N

T33S

37°02'30"N

114°00'00"W

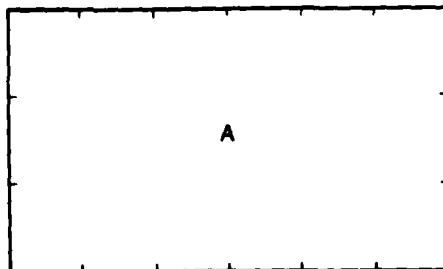
R19W

R18W

113°45'00"W
R17W

PROPOSED IPP POWERLINE

BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



PROPOSED JPP POWERLINES

EXISTING UNION PACIFIC RAILROAD

R16W

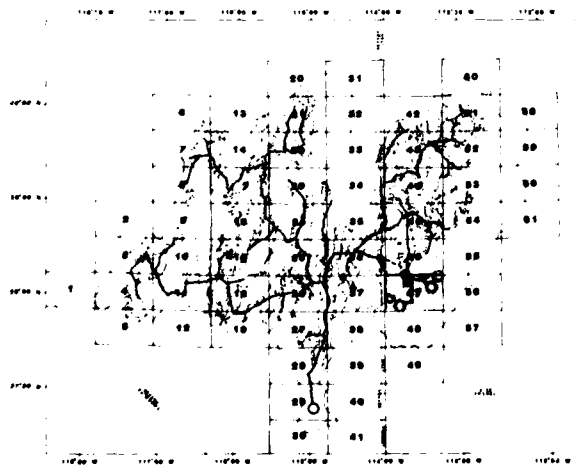
R15W

119°30'00\"/>

R14W

SEE DRAWING #4B

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

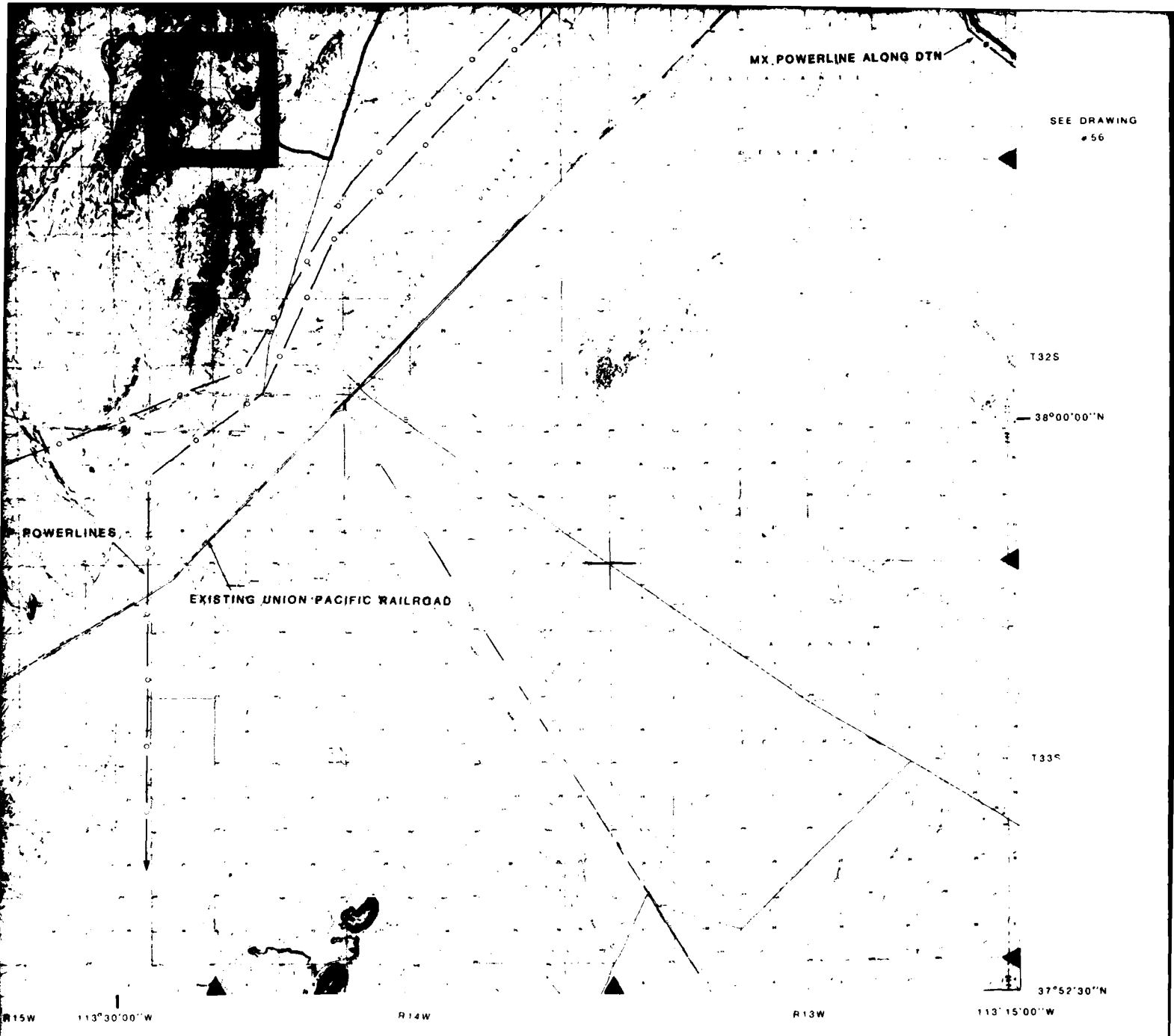
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:126,000

REVISION	DATE	DESCRIPTION
1	10/20/01	REVISED LEVEL, RELOCATED BYR AND POWERLINES

REVISIONS



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 19
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>B. Anderson</i>	7/11/81
CHECKED BY <i>S. Sordis</i>	
GEO TECHNICAL	4/11/81
SITING	7/10/81
ENVIRONMENTAL	

OPTION E-MILFORD
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

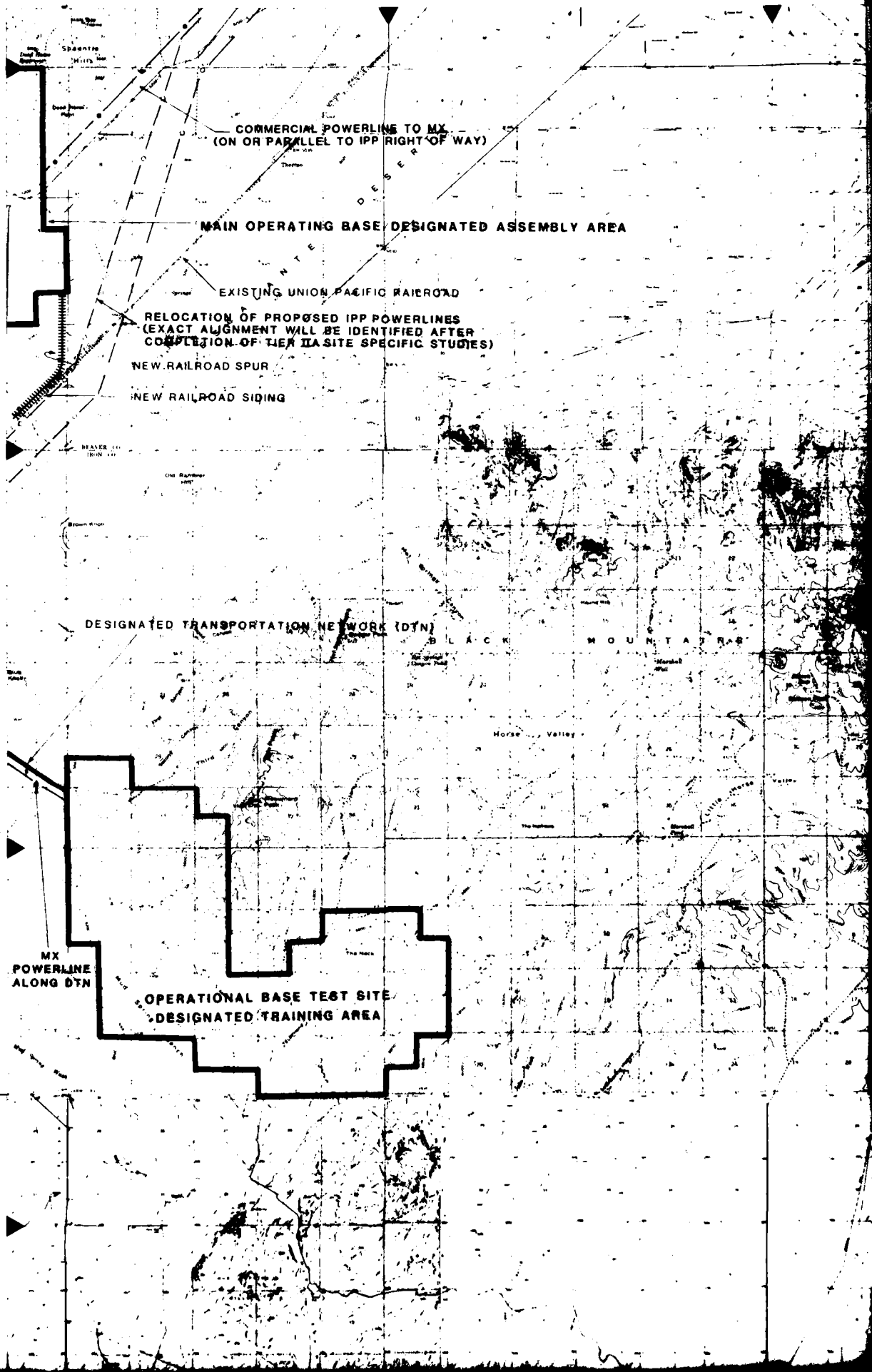
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/11/81	REVISED HOTEL, RELAYED BY AND POWERLINES	<i>J.W. Snyder</i>	10/11/81

REVISIONS

113°15'00" W R12W R11W 113°00"

38°15'00" N



1305

1315

1325

SEE DRAWING #42

MX POWERLINE ALONG DTN

OPERATIONAL BASE TEST SITE
DESIGNATED TRAINING AREA

00 00 W

R10W

R9W SEE DRAWING #55

R8W

112 45 00 W



R8W

112°45'00"W

R7W

R6W

112°30'00"W

38°15'00"N

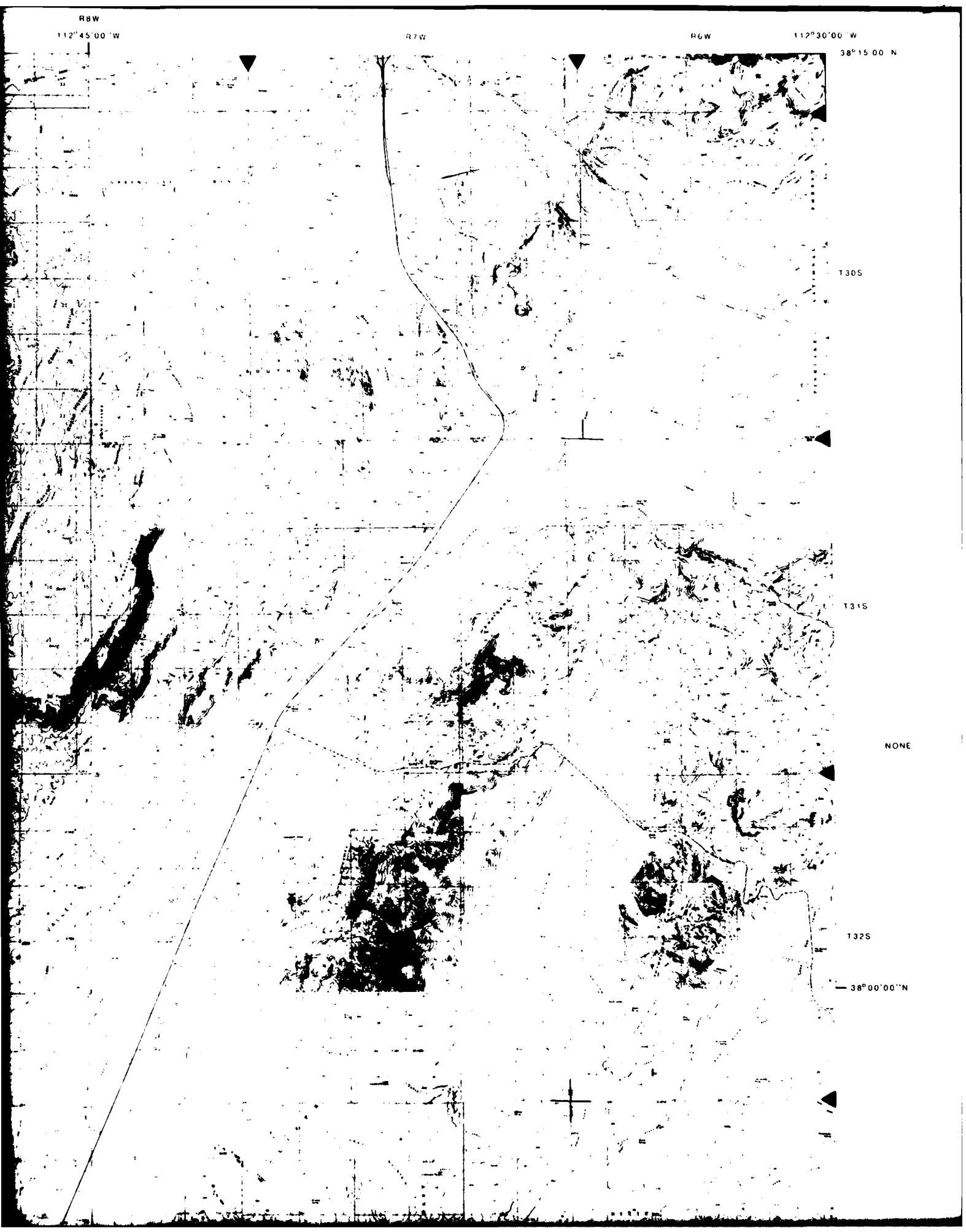
T30S

T31S

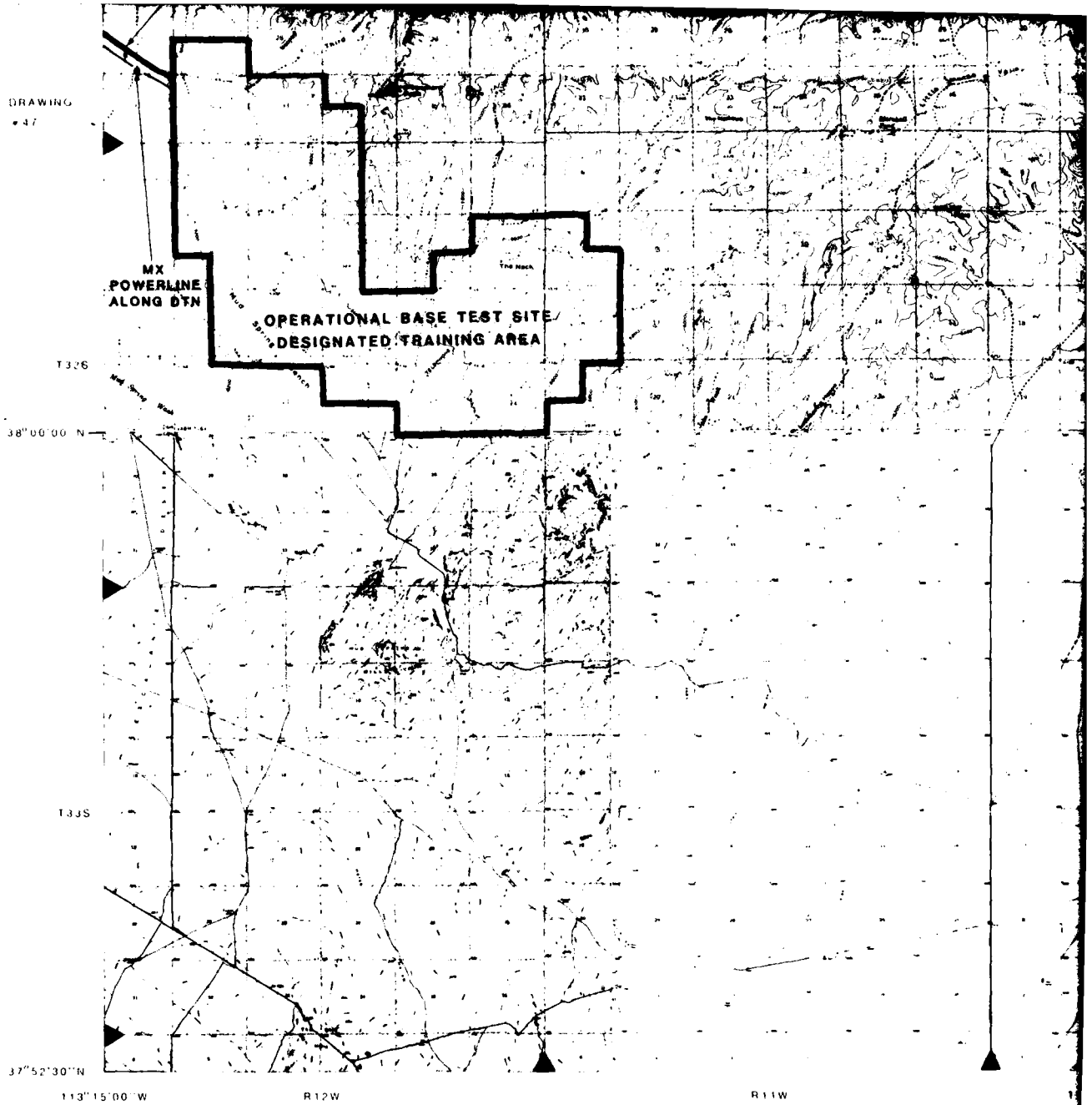
NONE

T32S

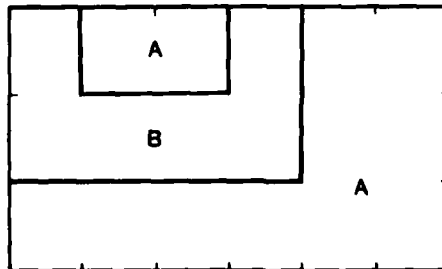
38°00'00"N



SEE DRAWING
47



BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



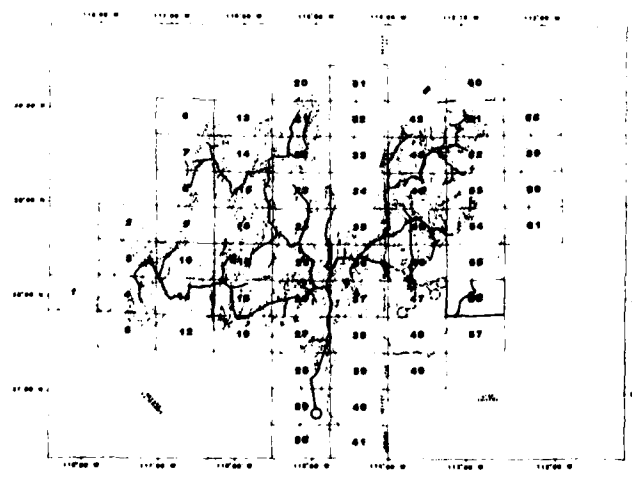
113°00'00"W R10W

R9W

112°45'00"W R8W

MAP SHEET LOCATION

SEE DRAWING #57



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

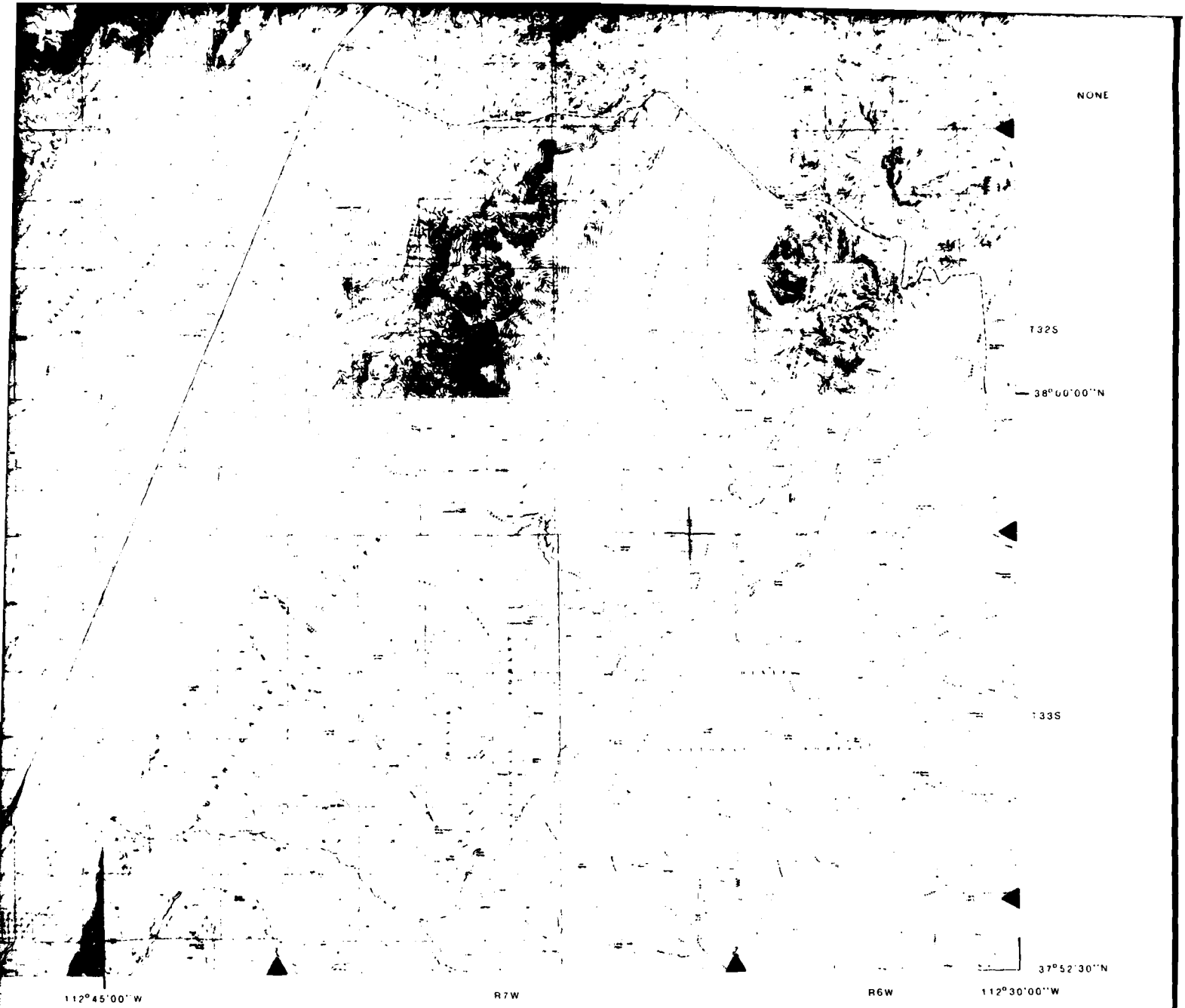
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	REVISED	DATE
REVISION	DATE	DESCRIPTION

RE



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 10, 20, 130
LOCAL COMMUNITY: MINERSVILLE	FEDERAL ROADS: INTERSTATE 15
PARAGONAH	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION E-MILFORD MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA UTAH
DRAWN BY <i>P. Wynn</i>	<i>1/1/81</i>	
CHECKED BY <i>A. Gards</i>	<i>2/1/81</i>	
GEOTECHNICAL <i>Steve Maden</i>	<i>7/1/81</i>	
SYSTEMS ENGINEER <i>P. S. Snyder</i>	<i>7/1/81</i>	
ENVIRONMENTAL		
APPROVED BY		DATE
CORPS OF ENGINEERS		
APPROVED BY	AIR FORCE REGIONAL CIVIL ENGINEER - MX	
USAF BALLISTIC MISSILE OFFICE	DRAWING NUMBER 56	REV
	SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	1/1/81	REVISED OPTION, RELEASED PER, RELEASED PERFORM	<i>P. S. Snyder</i>	<i>1/1/81</i>

REVISIONS

114 00'00"W

R19W

R18W

R17W
113 45'

38 15'00"N

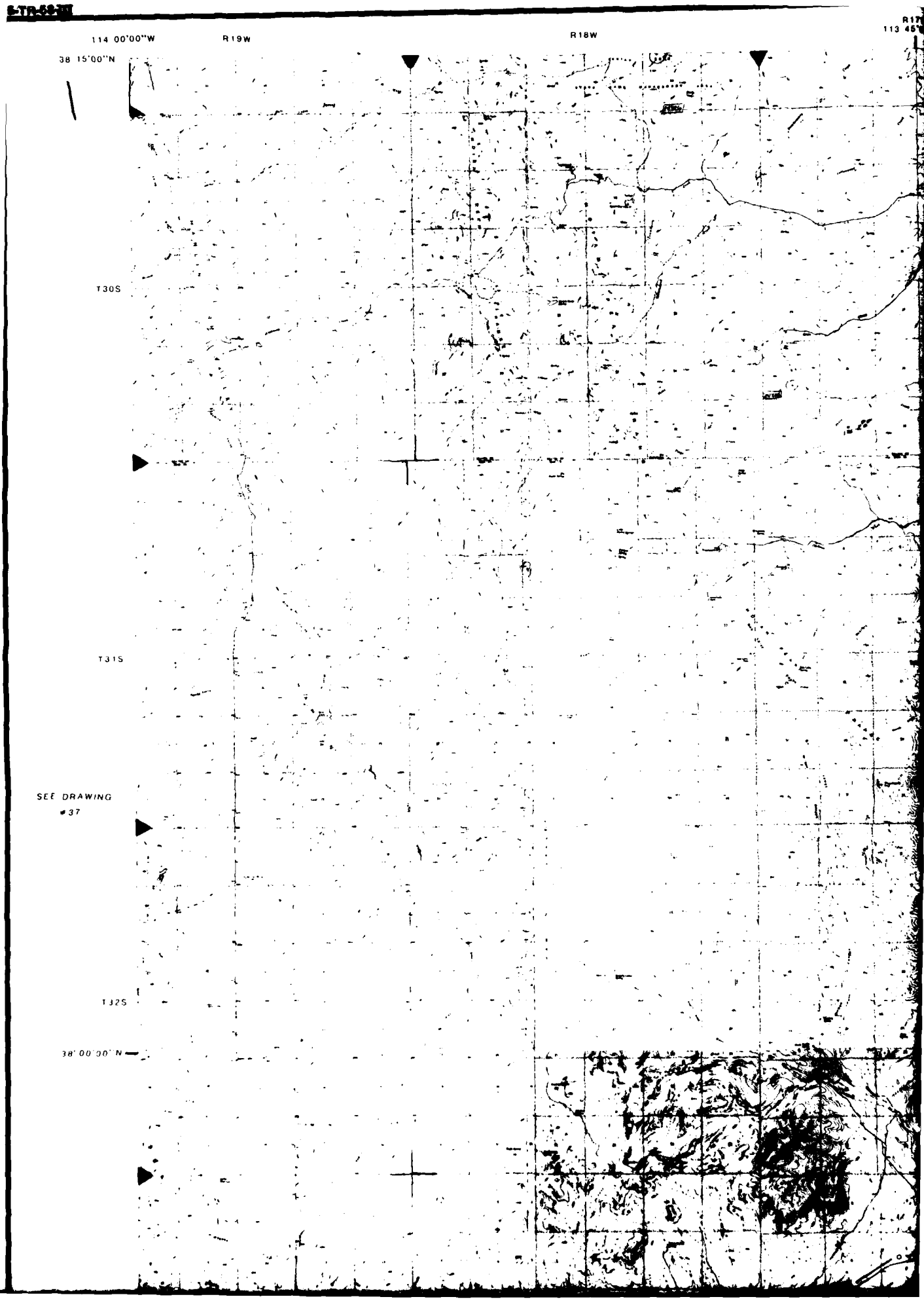
T30S

T31S

SEE DRAWING
#37

T32S

38 00'00"N



R17W
113 45'00" W

R16W

SEE DRAWING #46

R15W

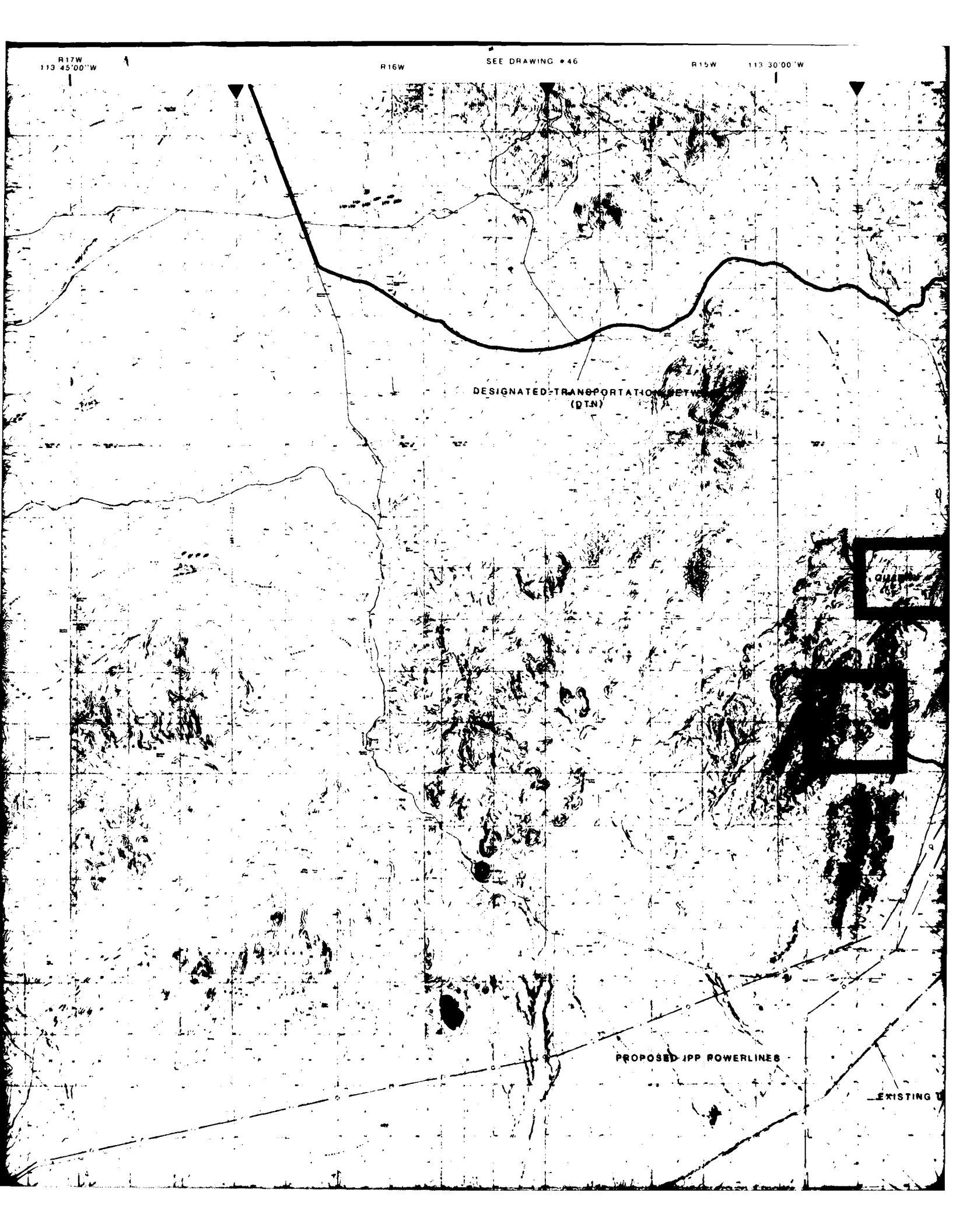
113 30'00" W

DESIGNATED TRANSPORTATION SETBACK
(D.T.S.)

CHURCH

PROPOSED IPP POWERLINES

EXISTING



8W 113 30'00"W

R14W

R13W

113 15'00"W

38 15'00"N

MX POWERLINE ALONG DTN

TEMPORARY CONSTRUCTION ROAD

MAIN OPERATING BASE DESIGNATED ASSEMBLY AREA

1305

MX POWERLINE ALONG DTN

ACCESS ROAD

DTN

TEMPORARY CONSTRUCTION ROAD

RELOCATION OF PROPOSED IPP POWERLINE (EXACT ALIGNMENT WILL BE IDENTIFIED AFTER COMPLETION OF TIER IIA SITE SPECIFIC STUDY)

1315

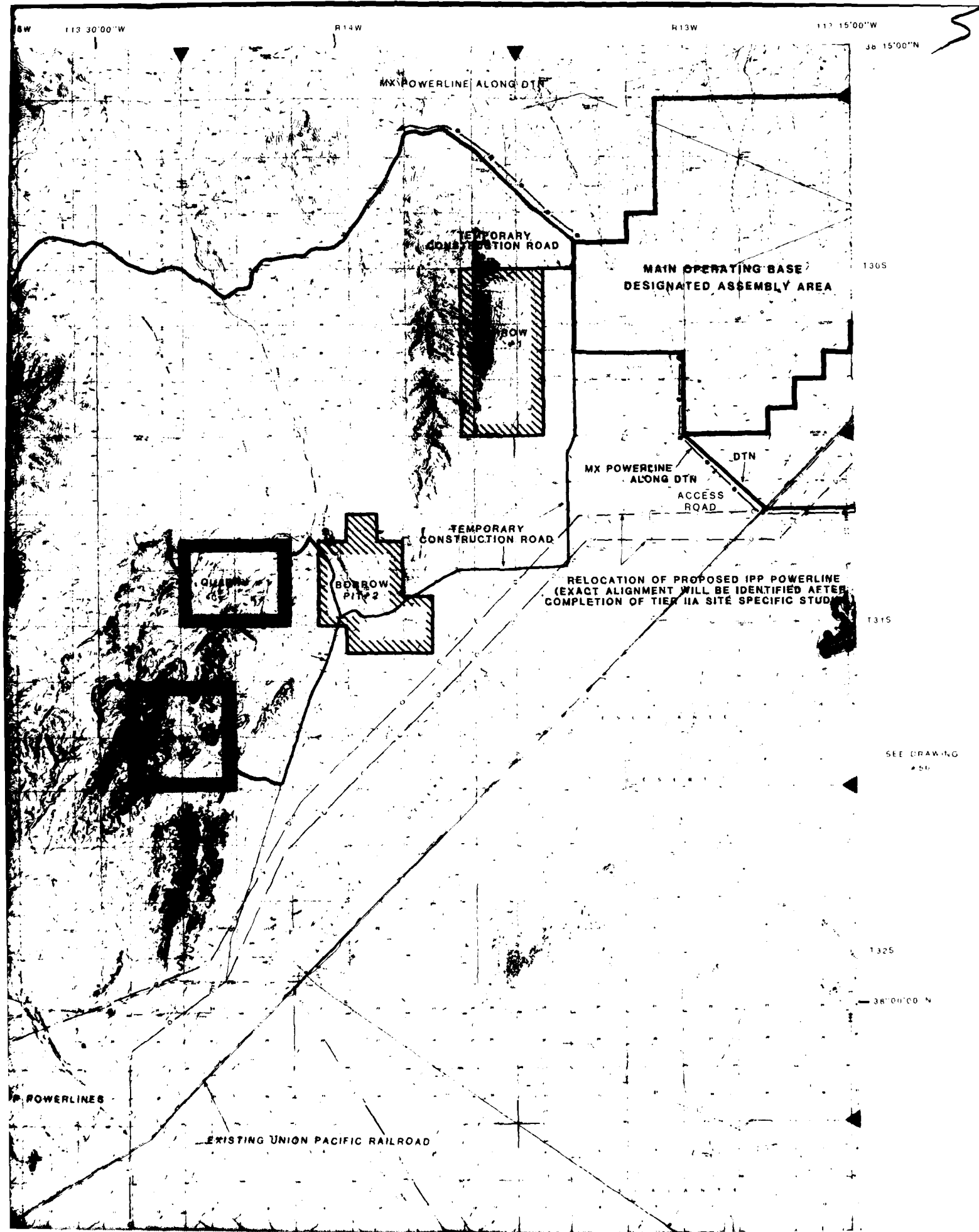
SEE DRAWING # 50

1325

38°00'00" N

POWERLINES

EXISTING UNION PACIFIC RAILROAD



SEE DRAWING
#37

T32S

38° 00' 00" N

T33S

37° 30' 30" N

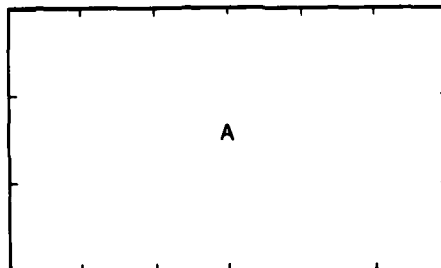
11° 00' 00" W

R19W

R18W

PROPOSED IPP PCW

BASE MAP SOURCE INSET

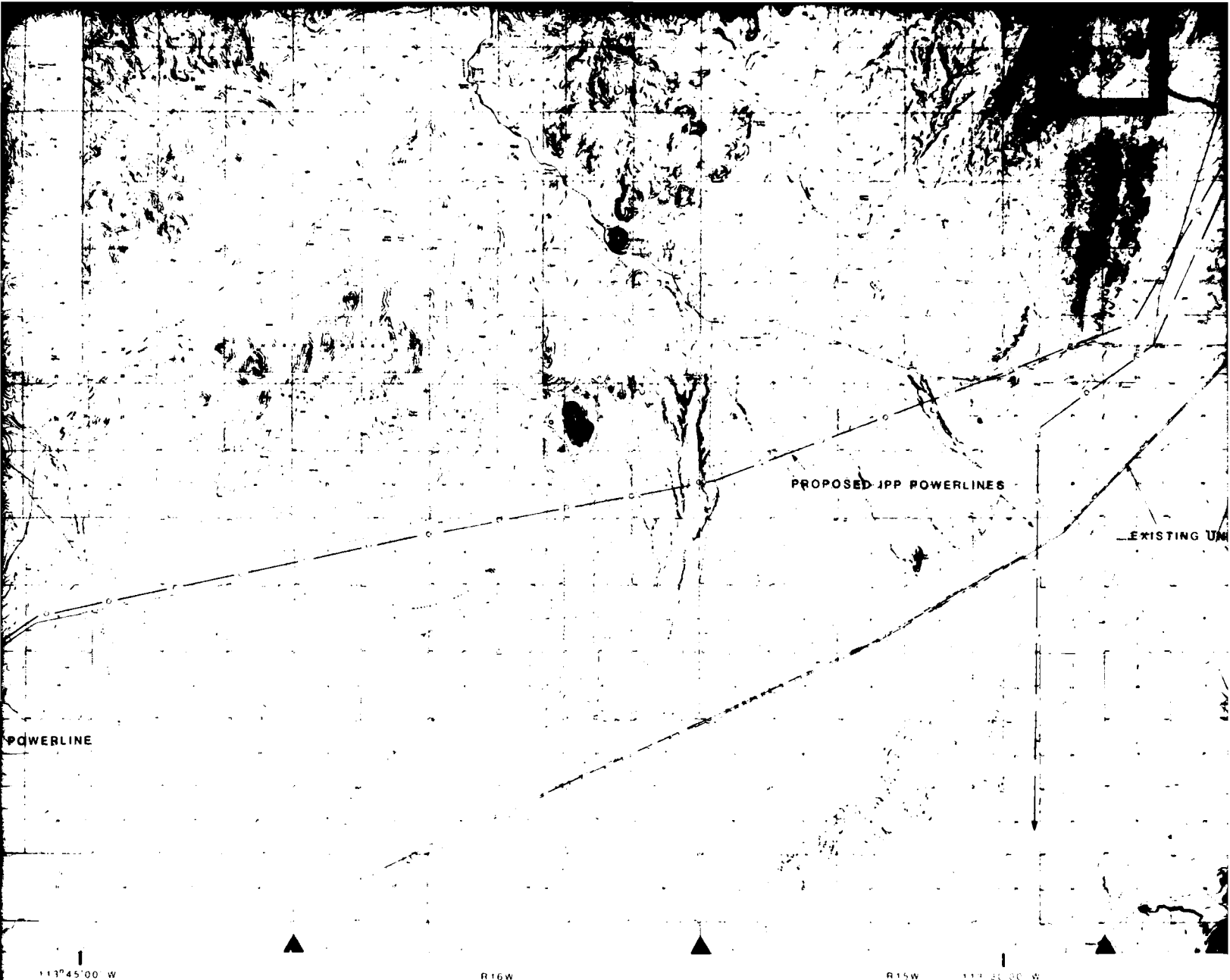


A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

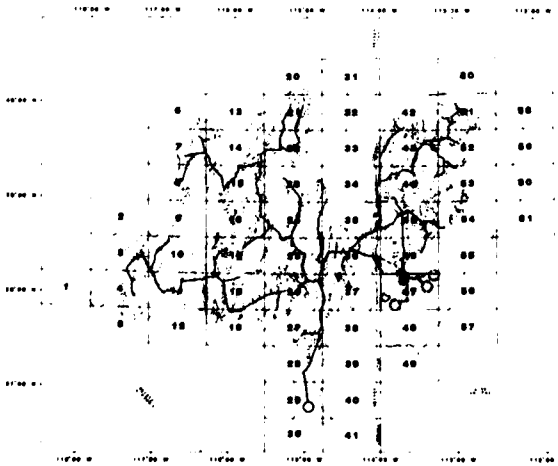
B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



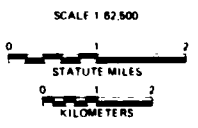
MAP SHEET LOCATION



SEE DRAWING # 48



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

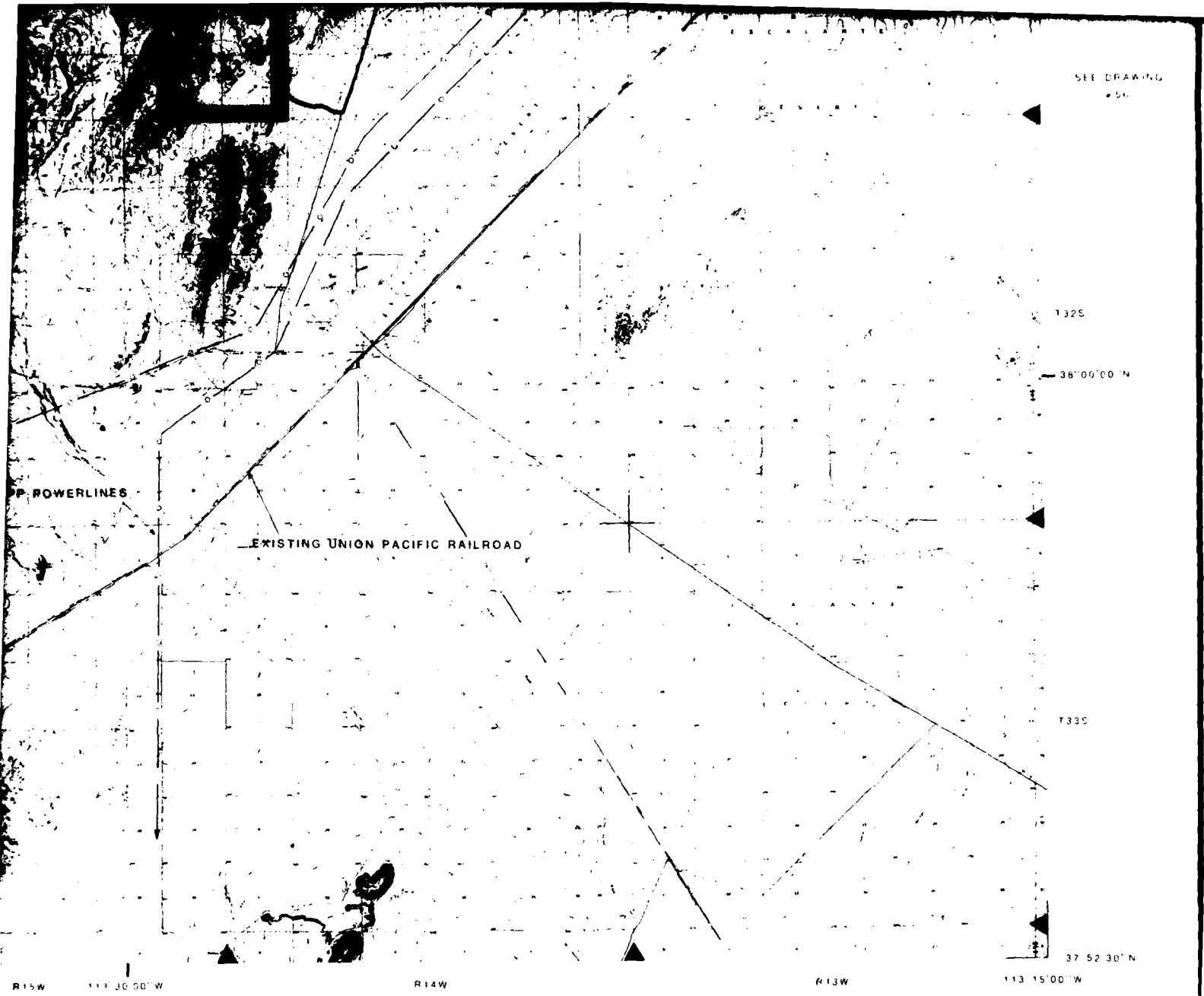


NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125 000

REVISION	DATE	DESCRIPTION
1	02/01/88	REVISED SYMBOL, RELOCATED ONE AND POWERLINE

REVISION

SEE DRAWING #56



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 10
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

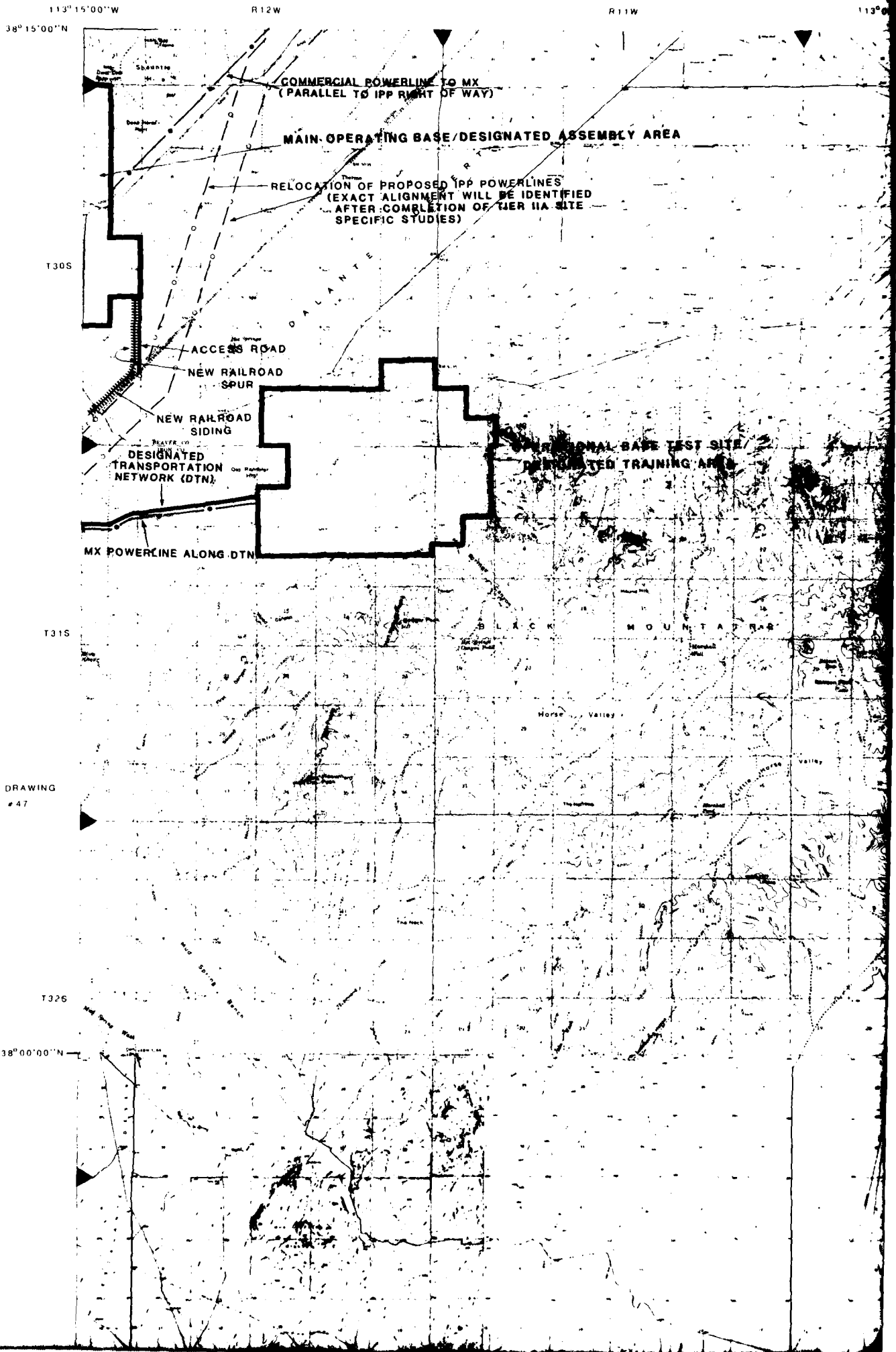
**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>D. Madsen</i>	1/17/81
CHECKED BY <i>A. Sordis</i>	
GEO TECHNICAL	
<i>Madsen</i>	1/17/81
SYSTEMS ENGINEER	
<i>F. G. Snyder</i>	1/16/81
ENVIRONMENTAL	
CORPS OF ENGINEERS	

OPTION F MILFORD	
MX SYSTEM PROPERTIES AND REQUIREMENTS FOR NEVADA STATE	
APPROVED BY	DATE
AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	01/17/81	REVISED NOTES, RELOCATED OWN AND FEDERAL LINES	<i>F. G. Snyder</i>	1/16/81

APPROVED BY	DRAWING NUMBER: 47	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	



SEE DRAWING
47

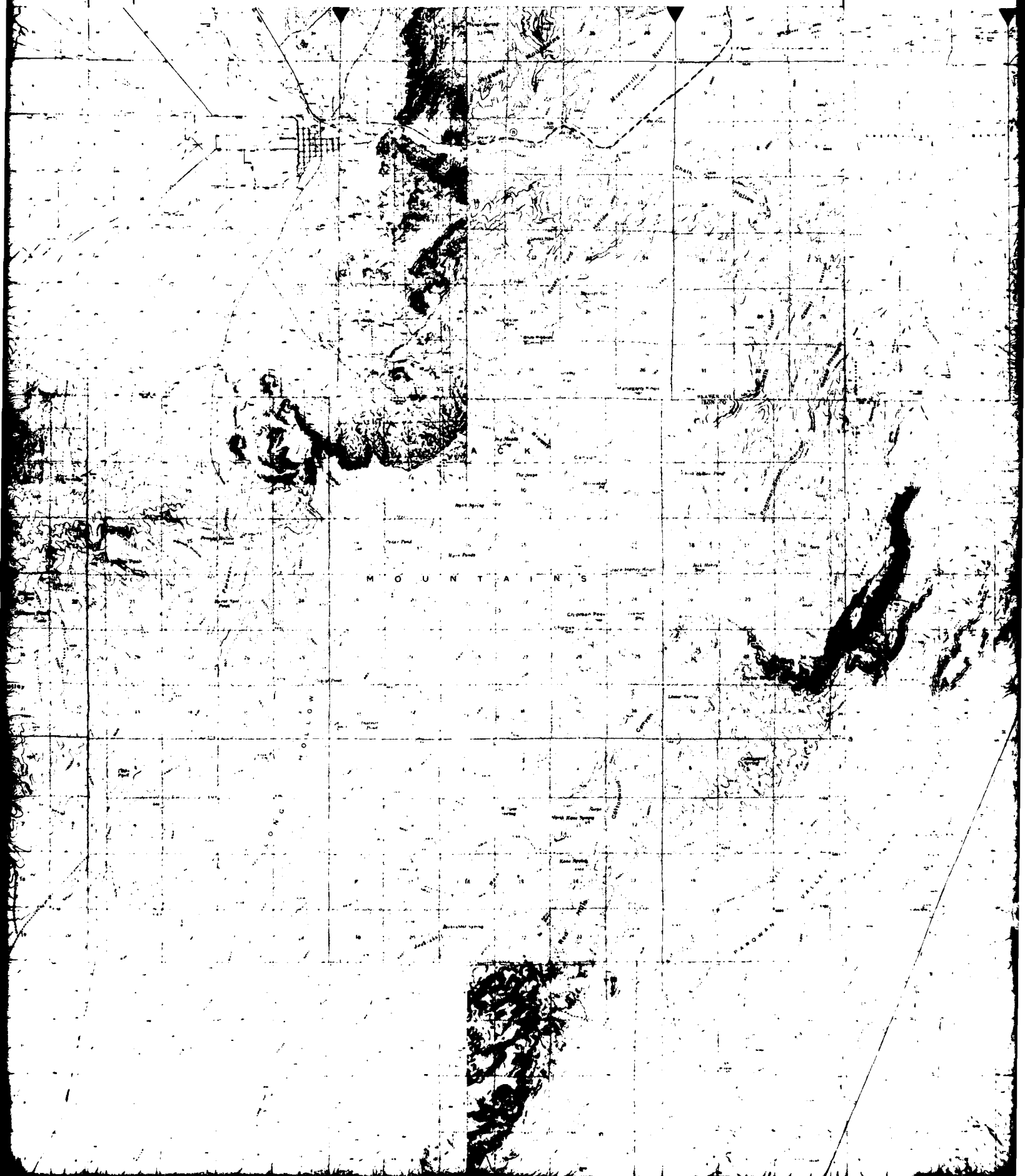
113°00'00"W

R10W

R9W SEE DRAWING #55

R8W

112°45'00"W



R8W
112°45'00"W

R7W

R6W

112°30'00"W

38°15'00"N

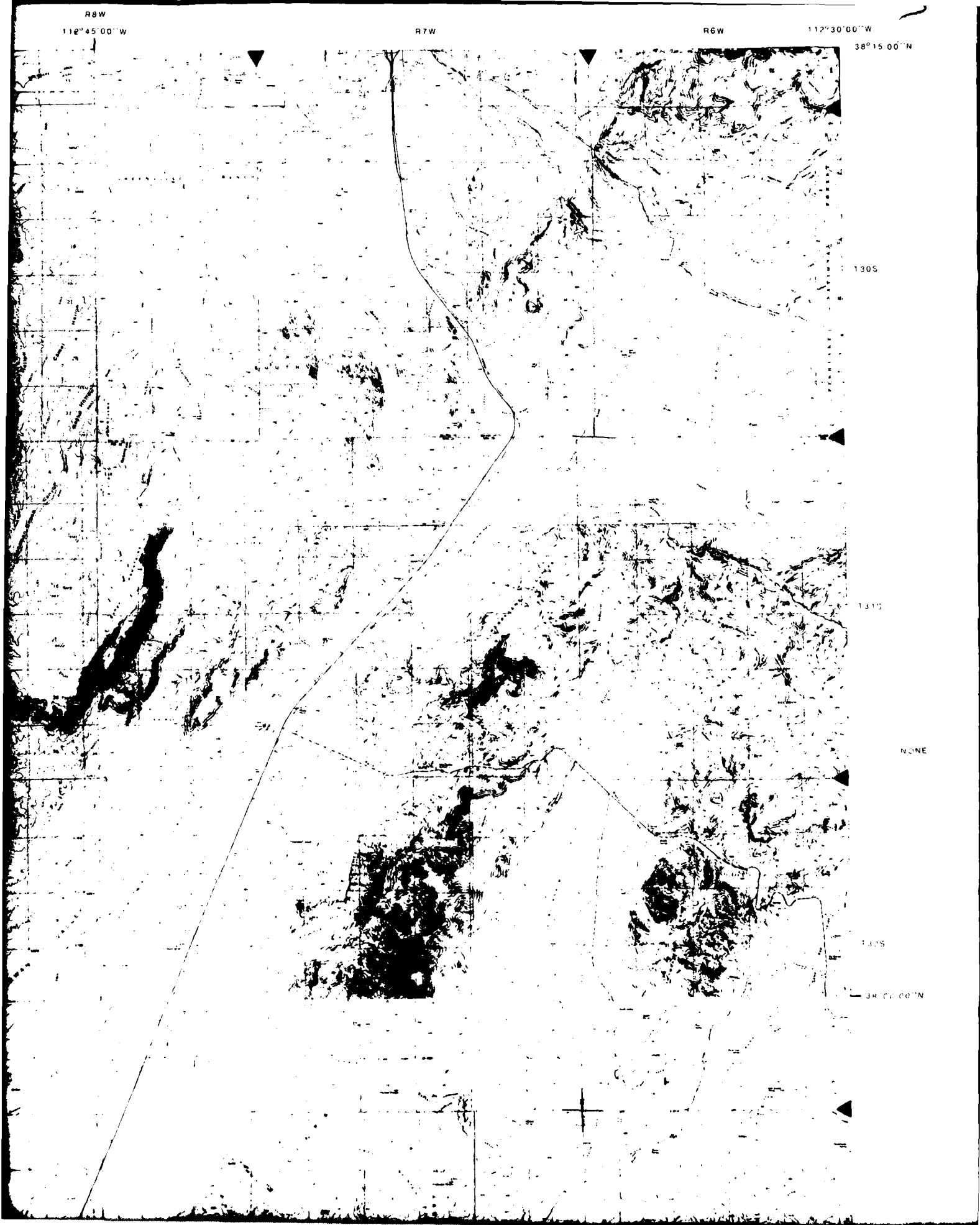
130S

131S

NONE

132S

38°00'00"N



SEE DRAWING
47

T 326

38° 00' 00" N

T 335

37° 52' 30" N

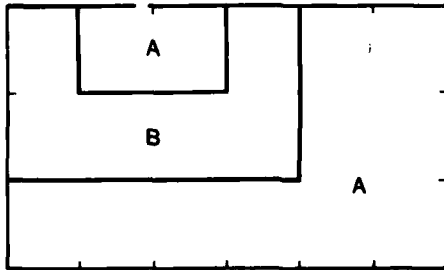
113° 15' 00" W

R 12 W

R 11 W

113

BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE. USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE. USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



R10W

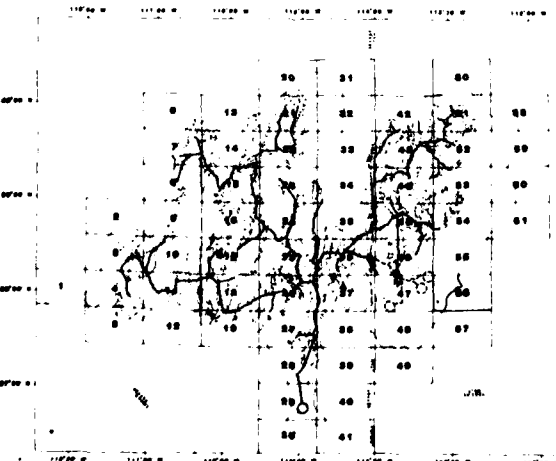
R9W

112°45'00"W

R8W

MAP SHEET LOCATION

SEE DRAWING # 57



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	12/20/01	REVISED NOTES, RECALCULATED BY JIM FRIEDLAND, ENLARGED COPY
REVISION	DATE	DESCRIPTION
REVISIONS		



112°45'00" W R6W R7W R6W 112°43'00" W
 R4W R5W R6W R7W

PROJECT MAP SHEET	
STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 16, 20, 130
LOCAL COMMUNITY: MINERSVILLE	FEDERAL ROADS: INTERSTATE 15
PARAGONAH	

**DEPARTMENT OF THE AIR FORCE
 AIR FORCE REGIONAL CIVIL ENGINEER - MX
 NORTON AIR FORCE BASE, CA 92409**

NO	DATE	DESCRIPTION	SIGNATURE	DATE

SIGNATURE	DATE	OPTION F-MILFORD MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY <i>J. ...</i>	<i>11/1/87</i>	
CHECKED BY <i>A. Sordic</i>	<i>11/1/87</i>	
GEO TECHNICAL <i>Stacy ...</i>	<i>11/1/87</i>	
SYSTEMS ENGINEER <i>F. D. ...</i>	<i>11/1/87</i>	
CORPS OF ENGINEERS		
APPROVED BY	DATE	
AIR FORCE REGIONAL CIVIL ENGINEER-MX		

REVISIONS

114 00'00"W

R19W

R18W

R17W
113 45'00"

38 15 00"N

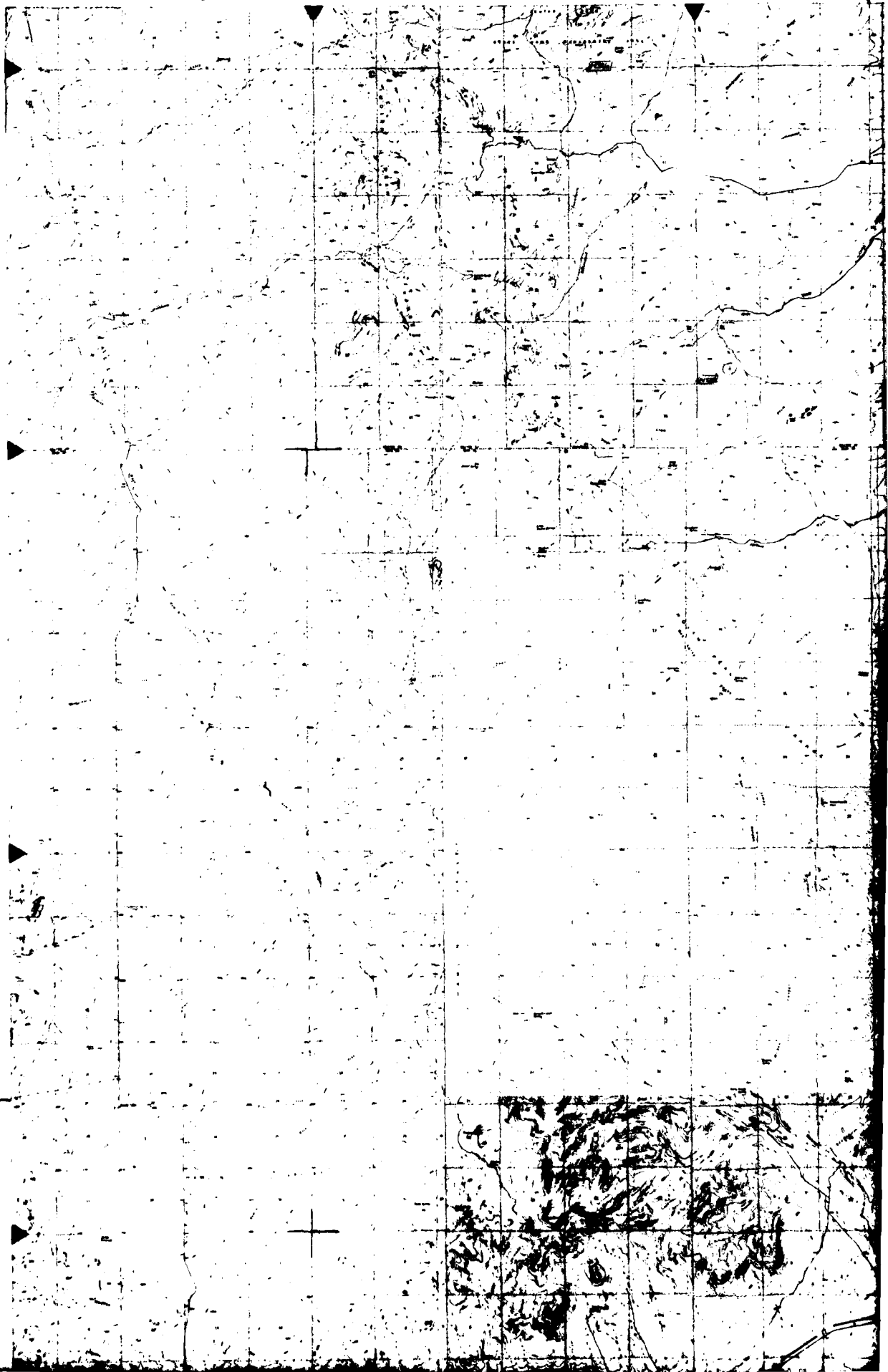
T30S

T31S

SEE DRAWING
#37

T32S

38 00 00"N



R17W
113 45'00"W

R16W

SEE DRAWING #46

R15W

113 30'00"W

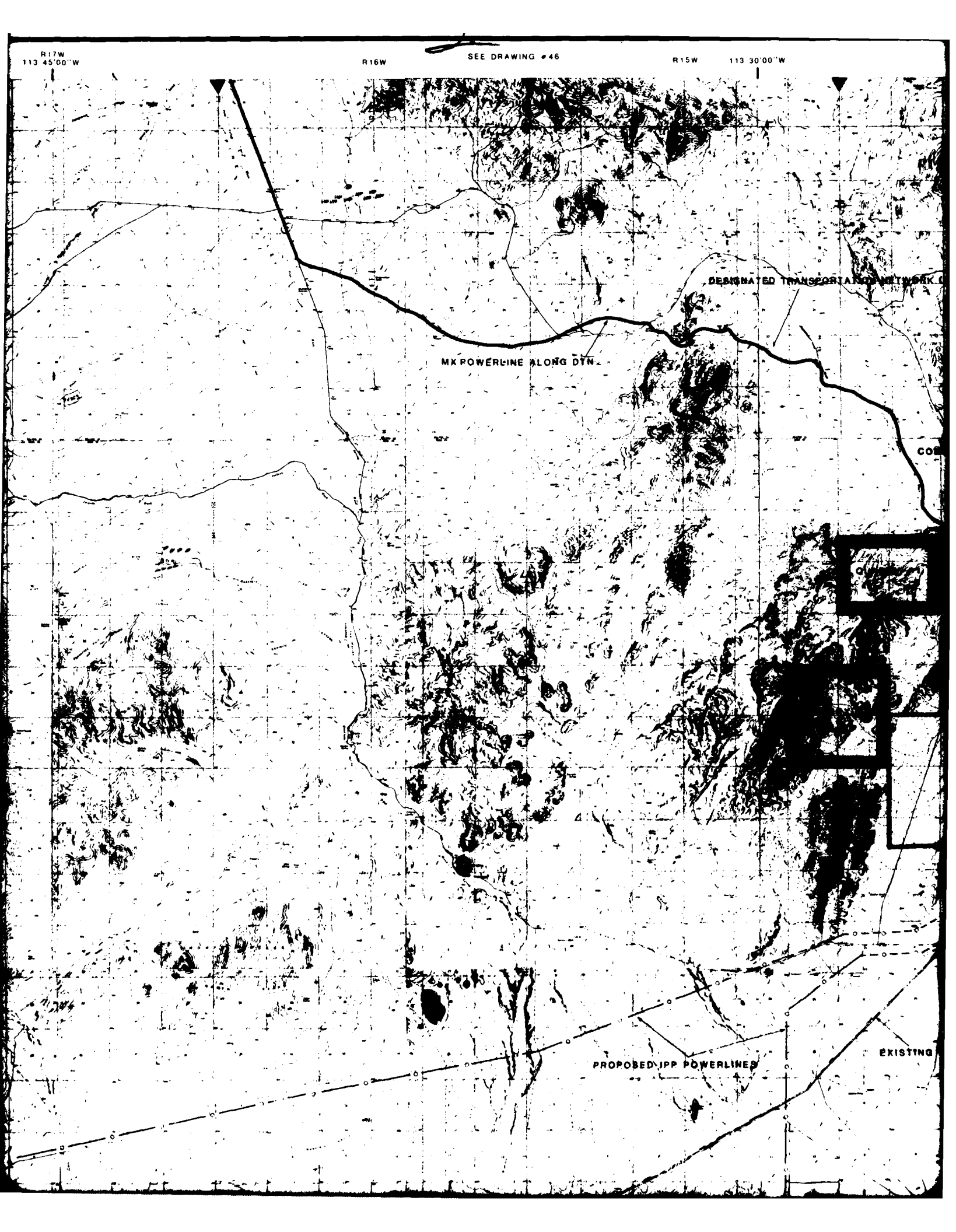
DESIGNATED TRANSPORTATION NETWORK

MX POWERLINE ALONG DTN

COB

PROPOSED IPP POWERLINES

EXISTING



113 30'00" W

R14W

R13W

113 15'00" W

38 15'00" N

DESIGNATED TRANSPORTATION NETWORK (DTN)

COMMERCIAL TO POWERLINE TO MX
(PARALLEL TO EXISTING IPP
RIGHT OF WAY)

TEMPORARY
CONSTRUCTION ROAD

MAIN OPERATING BASE/
DESIGNATED ASSEMBLY AREA

MX POWERLINE ALONG DTN

DTN

RELOCATION OF PROPOSED IPP POWERLINE
(EXACT ALIGNMENT WILL BE IDENTIFIED AFTER
COMPLETION OF TIER IIA SITE SPECIFIC STUDIES)

T30S

T31S

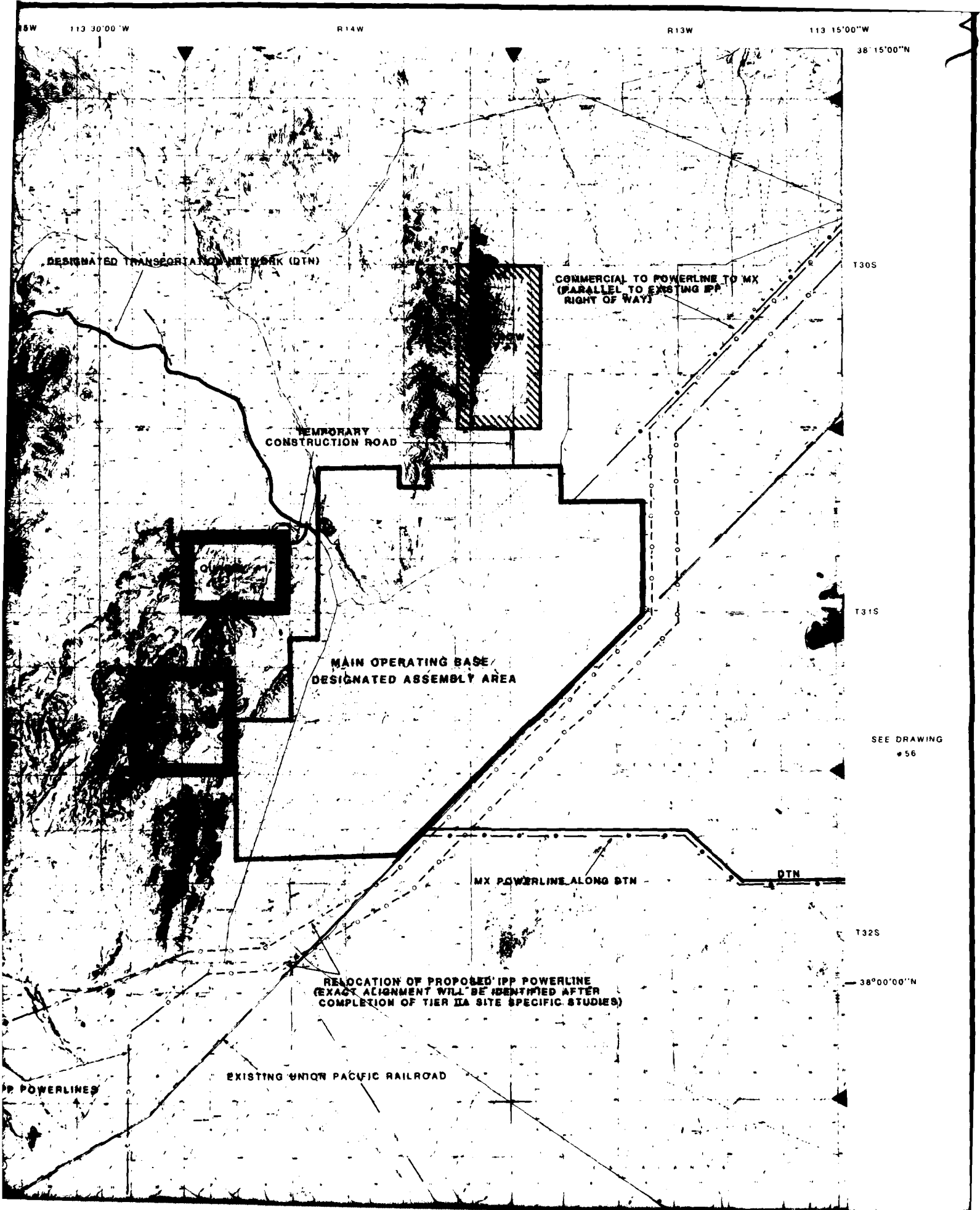
SEE DRAWING
#56

T32S

38 00'00" N

IPP POWERLINES

EXISTING UNION PACIFIC RAILROAD



SEE DRAWING
#37

T32S

38° 00' 00" N

T33S

37° 30' 30" N

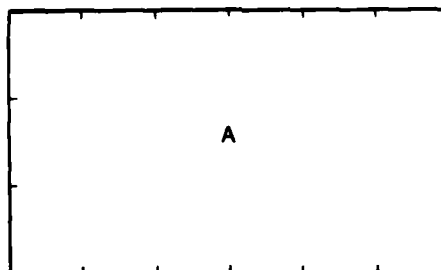
114° 00' 00" W

R19W

R18W

PROPOSED IPP

BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRI)
AT 1:62,500



113°45'00" W
113°47' W

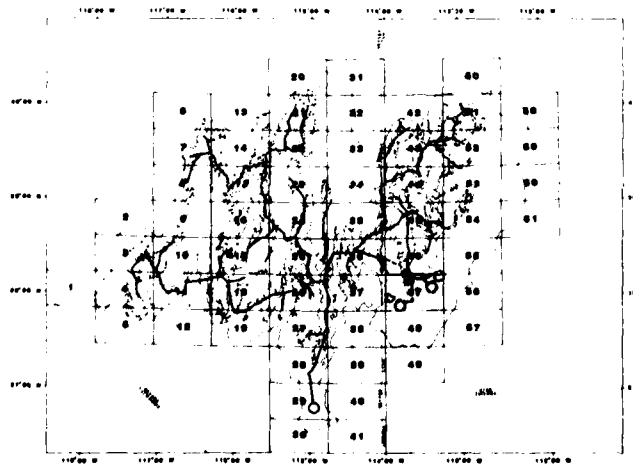
R 16W

R 15W

113°30'00" W

MAP SHEET LOCATION

SEE DRAWING # 4R



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500

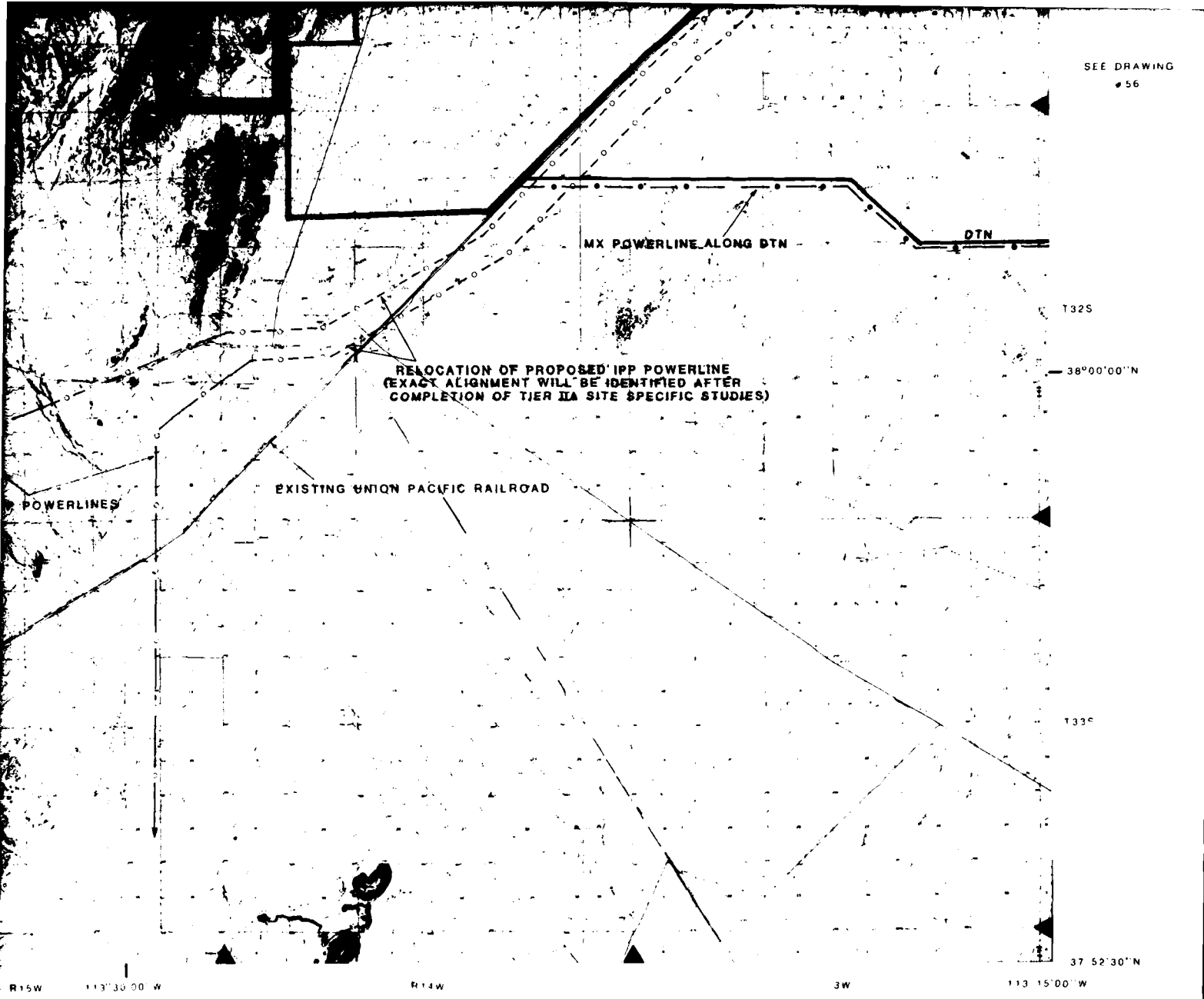


NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	10/00	
REVISION	DATE	DESCRIPTION

REV

SEE DRAWING #56



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 10
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

DEPARTMENT OF THE AIR FORCE
 AIR FORCE REGIONAL CIVIL ENGINEER - MX
 NORTON AIR FORCE BASE, CA 92409

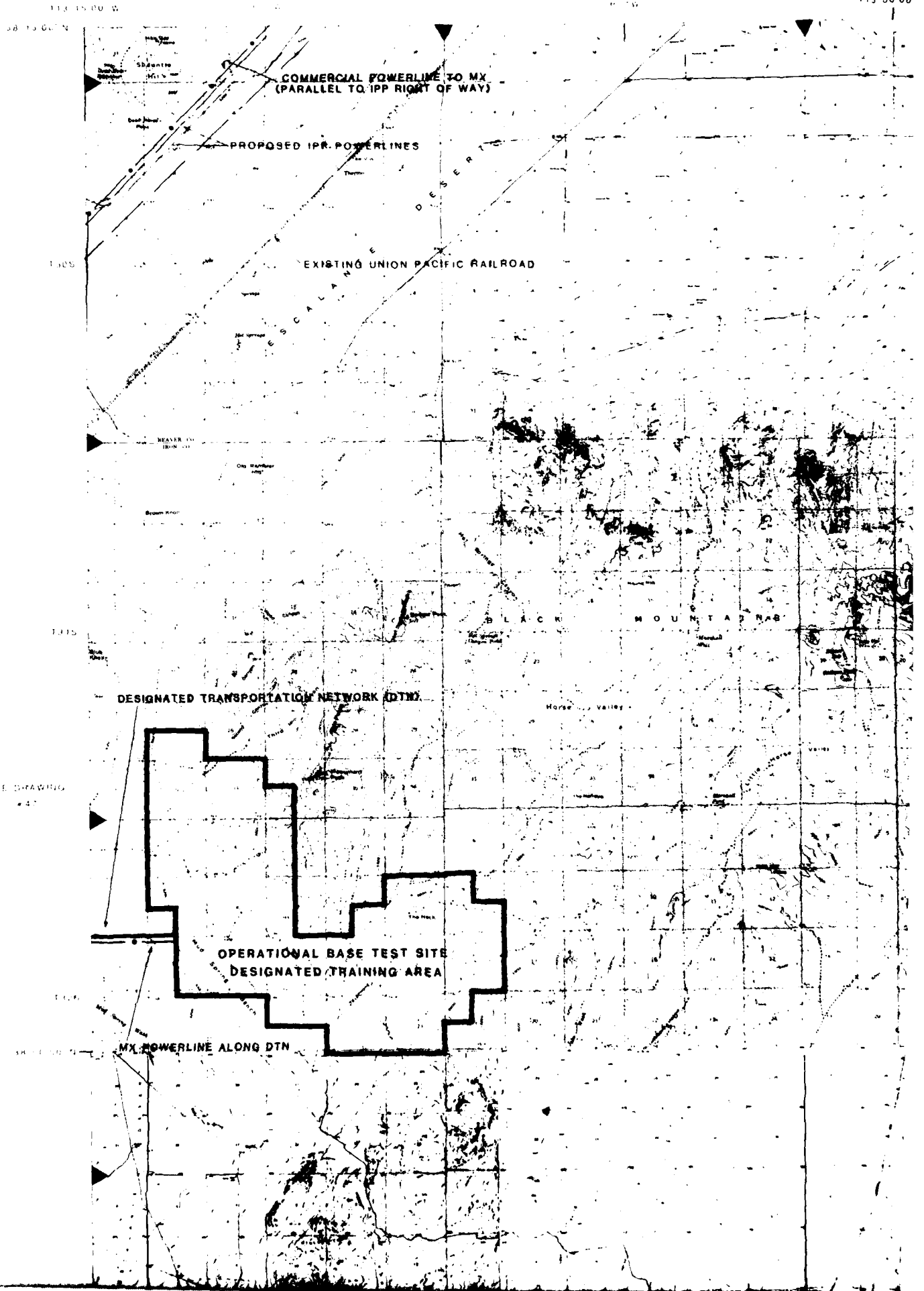
SIGNATURE	DATE	OPTION G MILFORD MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA UTAH
DRAWN BY <i>J. Arnesen</i>	4/17/01	
CHECKED BY <i>A. Sandis</i>		
GEO TECHNICAL <i>John Rader</i>	4/17/01	
SITE <i>F. Schneider</i>	7/17/01	
ENVIRONMENTAL		

SYSTEMS ENGINEER	APPROVED BY	DATE
<i>F. Schneider</i>		
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/20		<i>F. Schneider</i>	10/21

REVISIONS

APPROVED BY _____ SHEET _____ OF _____ REV _____
 USAF BALLISTIC MISSILE OFFICE



113 30 00 W

R10W

R9W SEE DRAWING #55

R8W

112 45 00 W



R6W

112° 45' 00" W

R7W

R6W

112° 30' 00" W

38° 15' 00" N

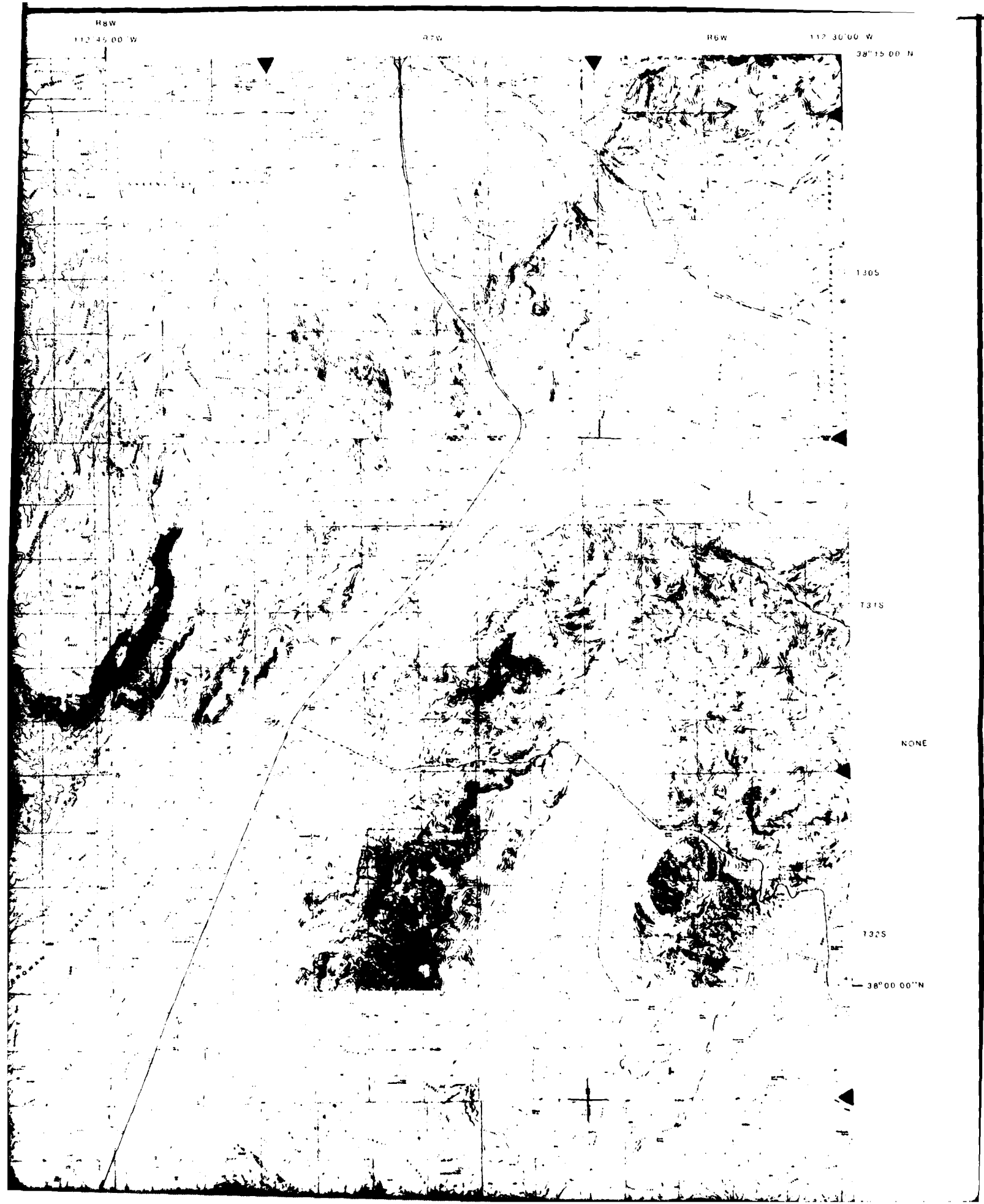
1305

1315

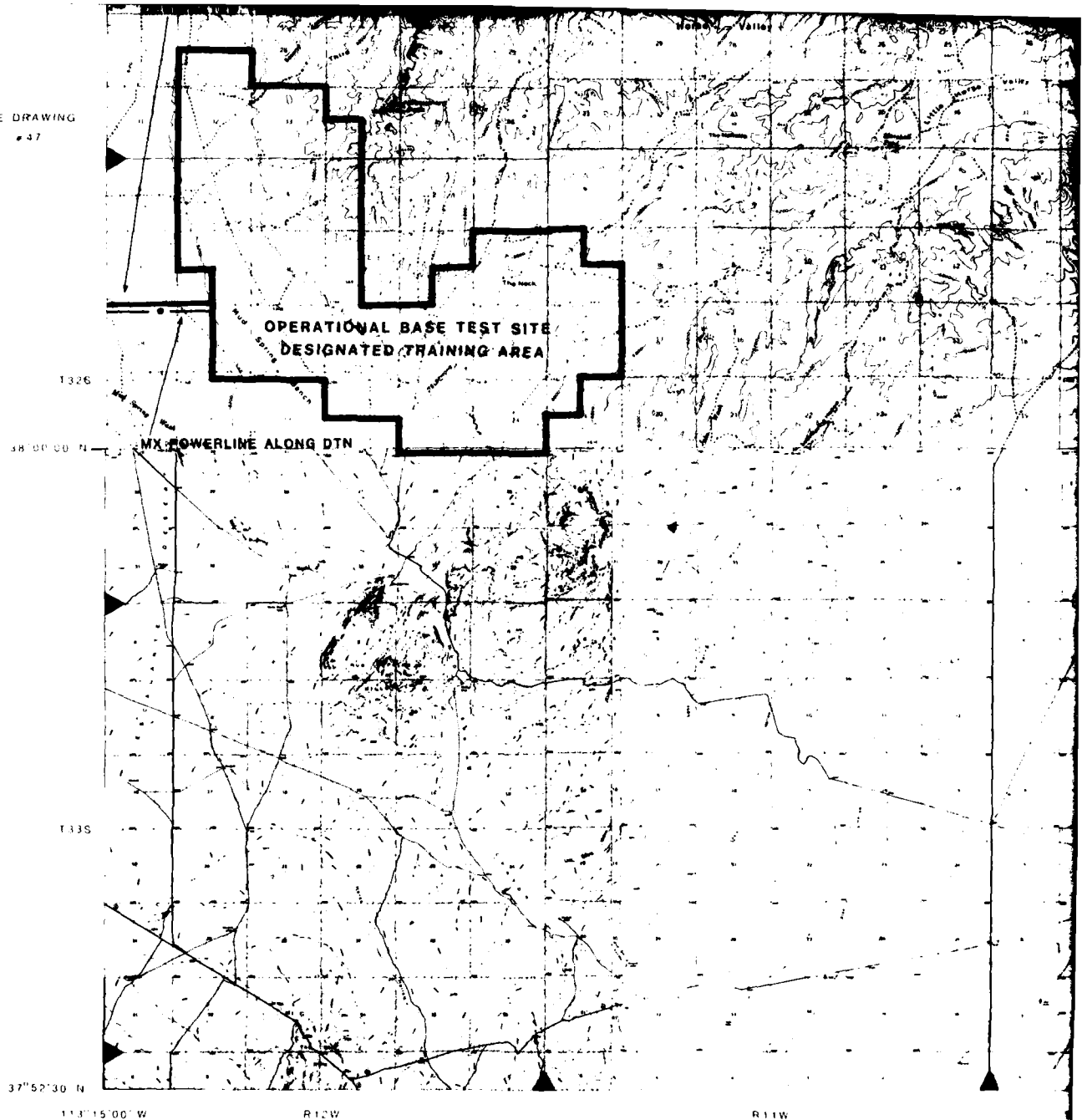
NONE

1325

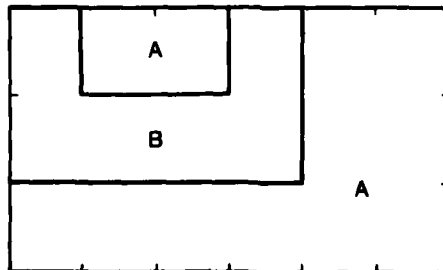
38° 00' 00" N



SEE DRAWING
47



BASE MAP SOURCE INSET

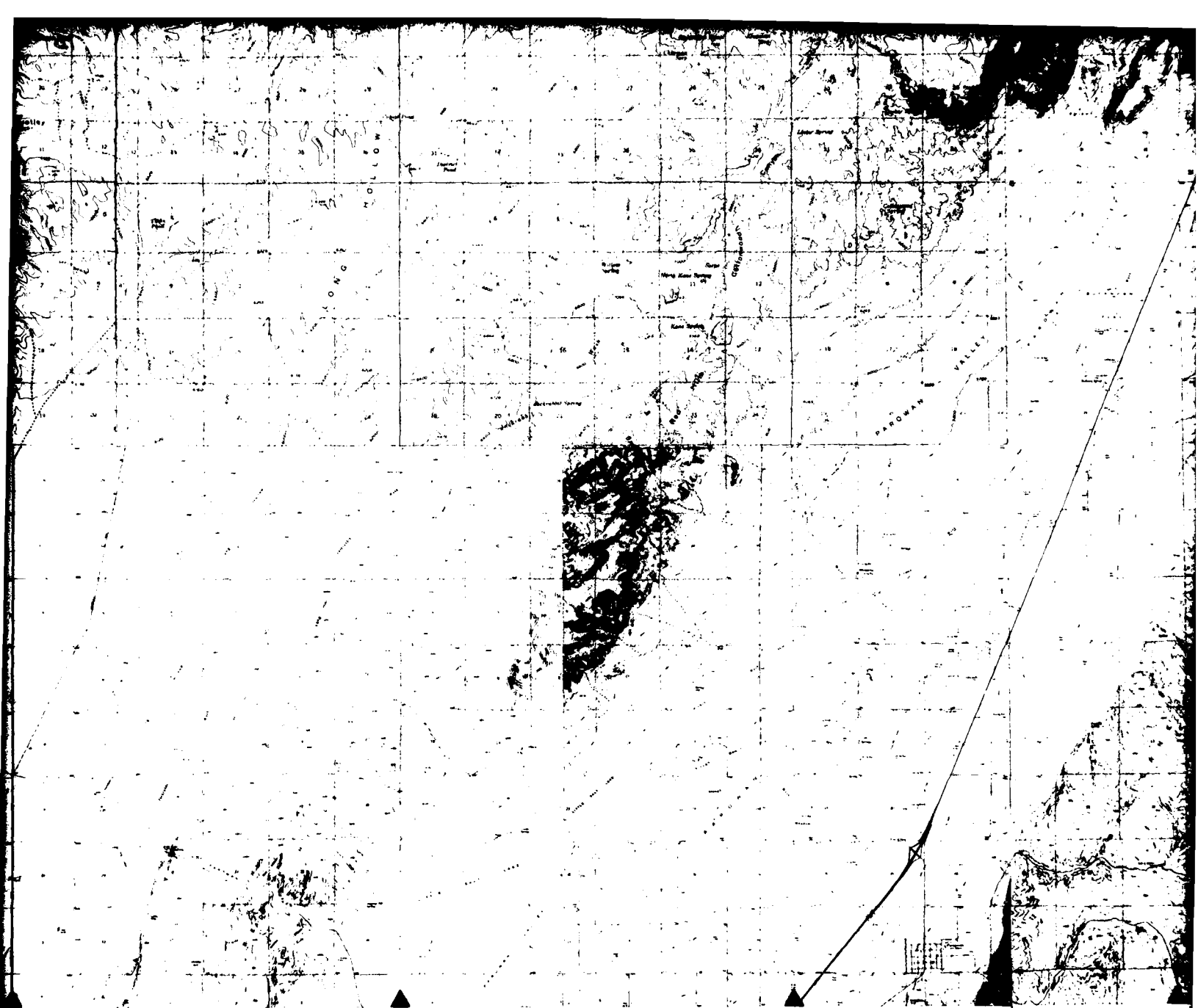


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



113°00'00"W R10W

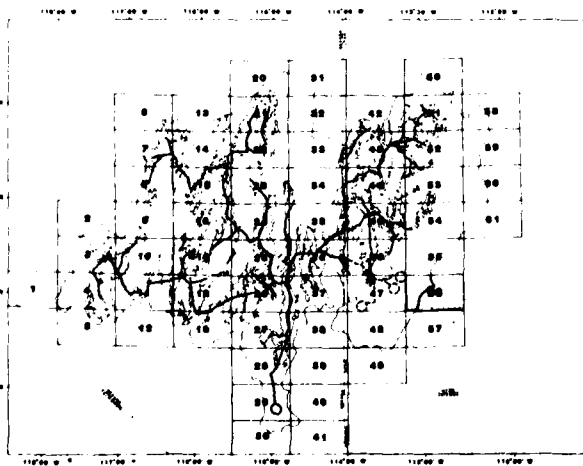
R9W

112°45'00"W

R8W

MAP SHEET LOCATION

SEE DRAWING #57



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESC

5



112°45'00" W
R8W

R7W

R6W

112°30'00" W

IRON

T32S

38°00'00" N

T33S

37°52'30" N

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: 89, 130
LOCAL COMMUNITY: MINERSVILLE	FEDERAL ROADS: INTERSTATE 15
PARAGONAH	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>J. M...</i>	1/17/61
CHECKED BY <i>A. Sardis</i>	
GEO TECHNICAL <i>St...</i>	1/17/61
STUDY <i>R. ...</i>	1/17/61
ENVIRONMENTAL	

OPTION G MILFORD

MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA UTAH

SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/4/61	REVISED ...	<i>R. ...</i>	10/4/61

REVISIONS

APPROVED BY	DRAWING NUMBER: 56	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

114 00'00"W

R19W

R18W

R17W
113 45'00"W

38 15'00"N

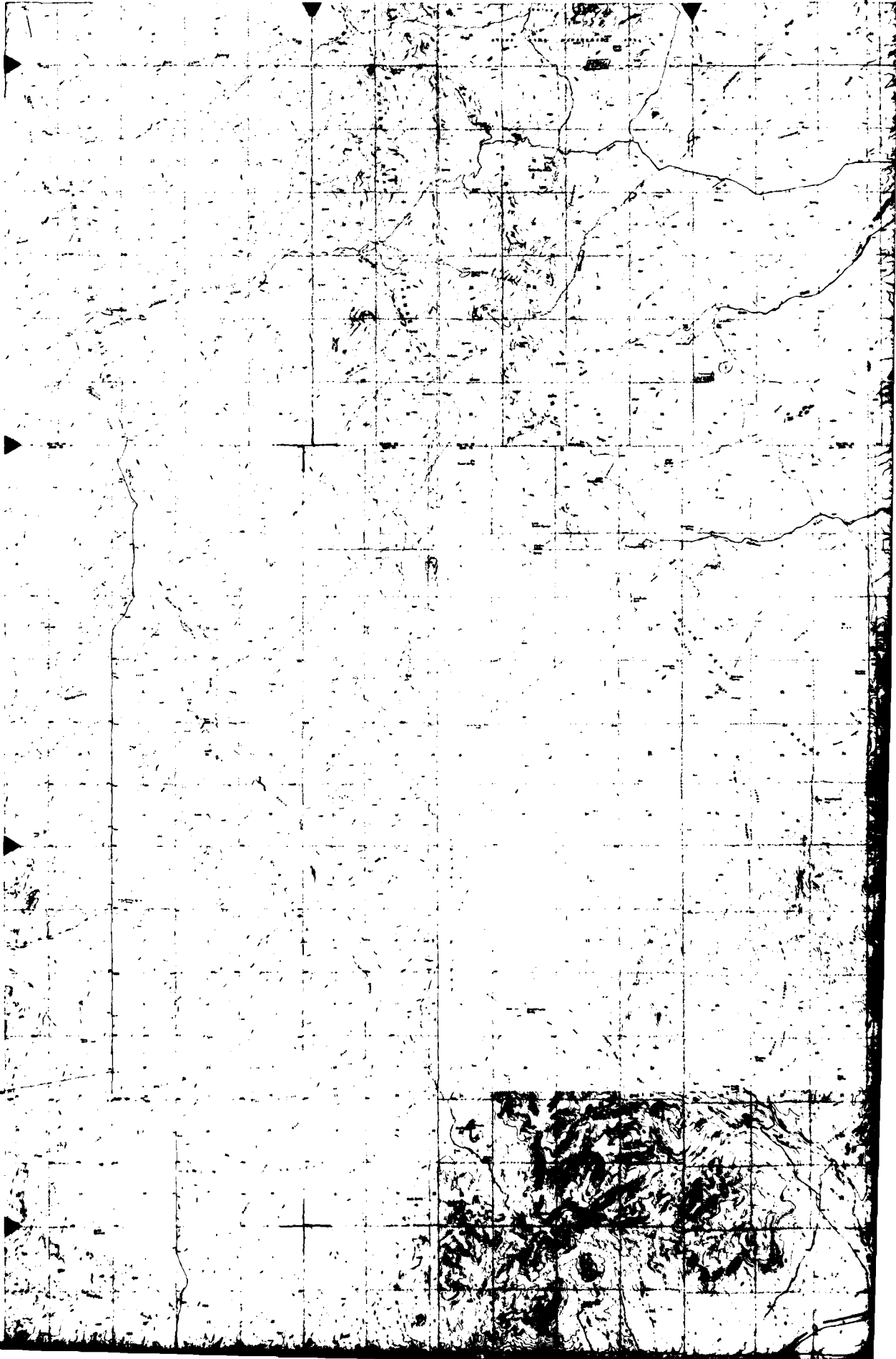
T30S

T31S

SEE DRAWING
#37

T32S

38 00'00"N

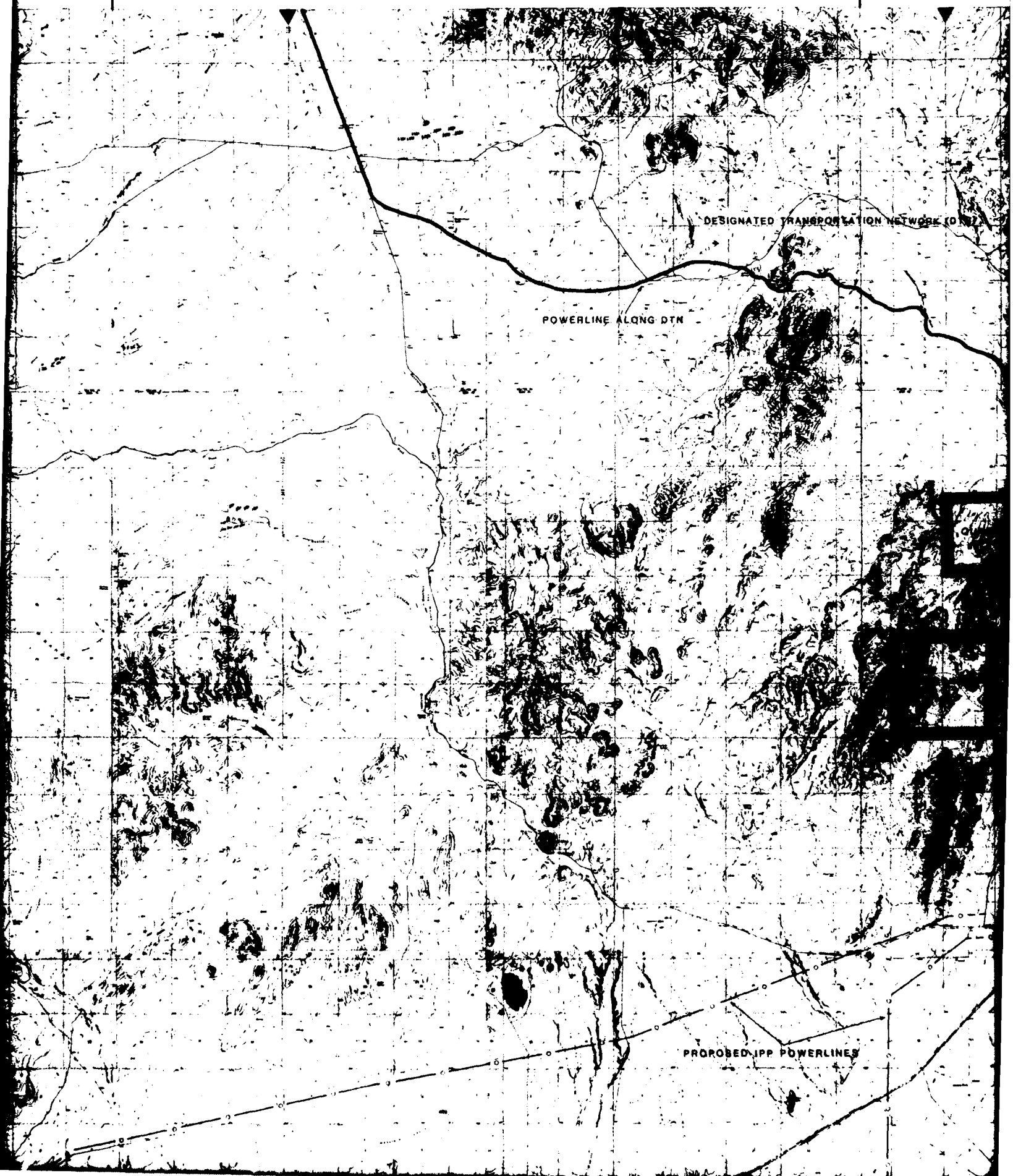


R17W
113 45'00"W

R16W

SEE DRAWING #46

R15W
113 30'00"W



DESIGNATED TRANSPORTATION NETWORK (DTN)

POWERLINE ALONG DTN

PROPOSED IPP POWERLINES

113 30'00"W R14W R13W 113 15'00"W
38 15'00"N

TRANSPORTATION NETWORK (DTN)

COMMERCIAL POWERLINE TO MX
PARALLEL TO IPP-RIGHT OF WAY

TEMPORARY CONSTRUCTION

DTN

MX POWERLINE
ALONG DTN

MAIN OPERATING BASE/
DESIGNATED ASSEMBLY AREA

RELOCATION OF PROPOSED IPP POWERLINES
(EXACT LOCATION WILL BE IDENTIFIED AFTER
COMPLETION OF PER HA SITE SPECIFIC STUDIES)

EXISTING UNION PACIFIC RAILROAD

POWERLINES

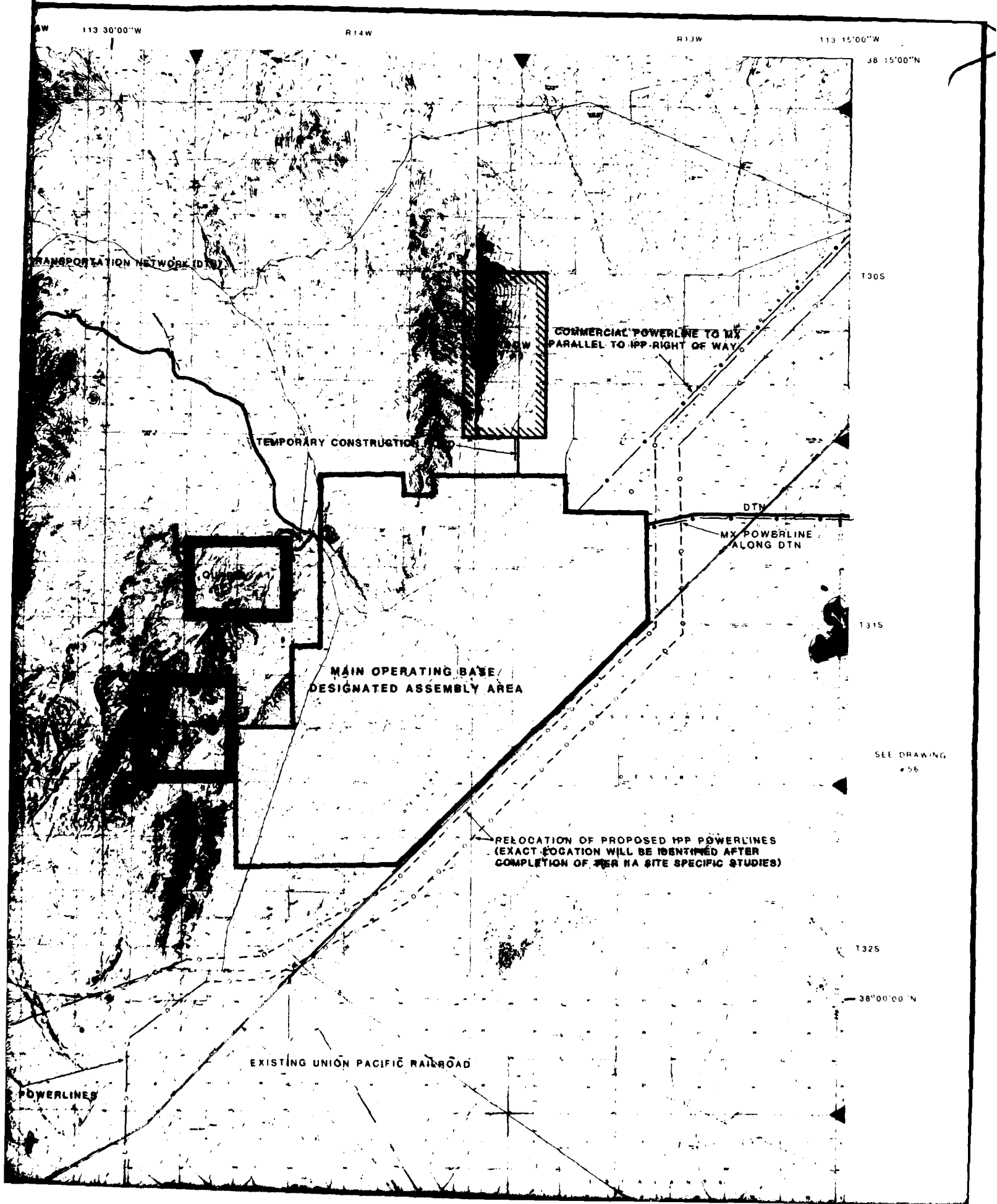
T305

T315

SEE DRAWING
#56

T325

38°00'00"N



SEE DRAWING
#37

T 32 S

38° 00' 00" N

T 33 S

37° 52' 30" N

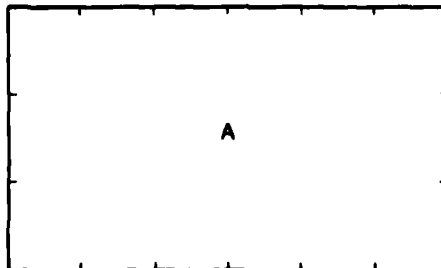
114° 00' 00" W

R 19 W

R 18 W

PROPOSED IPP R

BASE MAP SOURCE INSET



A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

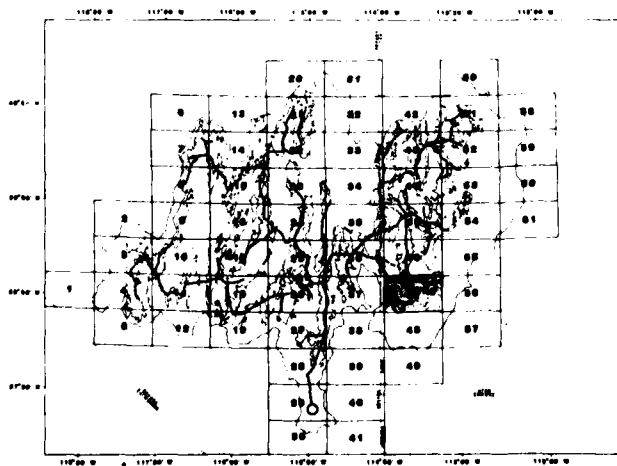
C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETR)
AT 1:62,500



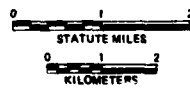
SEE DRAWING # 48

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

SCALE, USGS (1:24,000)

SCALE, USGS (1:62,500)

SCALE, USGS (1:250,000)

OMETRIC METHODS BY
SULY FUGRO GEOMETRICS

1		
REVISION	DATE	

DESIGNATED ASSEMBLY AREA

SEE DRAWING # 56

RELOCATION OF PROPOSED MPP POWERLINES
(EXACT LOCATION WILL BE IDENTIFIED AFTER
COMPLETION OF PER HA SITE SPECIFIC STUDIES)

T325

38°00'00"N

EXISTING UNION PACIFIC RAILROAD

POWERLINES

T335

37°52'30"N

115W 113°30'00"W

R14W

R13W

113°15'00"W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 89
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE	OPTION H-MILFORD MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY P. Hehlig CHECKED BY A. Gaudin	6/17/81	
GEO/TECHNICAL SIGNED ENVIRONMENTAL	6/16/81 7/1/81	
SYSTEMS ENGINEER	APPROVED BY:	
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	DATE
APPROVED BY:	DRAWING NUMBER: 47	REV
USAF BALLISTIC MISSILE OFFICE	SHEET 01	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

113° 15' 00" W

R11 W

R11 W

113° 30' 00" W

38° 15' 00" N

COMMON POWERLINE
TO MX PARALLEL TO IPR
RIGHT OF WAY

PROPOSED IPR POWERLINES

EXISTING UNION PACIFIC RAILROAD

DESIGNATED TRANSPORTATION NETWORK (DTN)

BEAVER CO.
IRWIN CO.

Old Highway

ARMY BASE TEST SITE
DESIGNATED TRAINING AREA

MX POWERLINE ALONG DTN

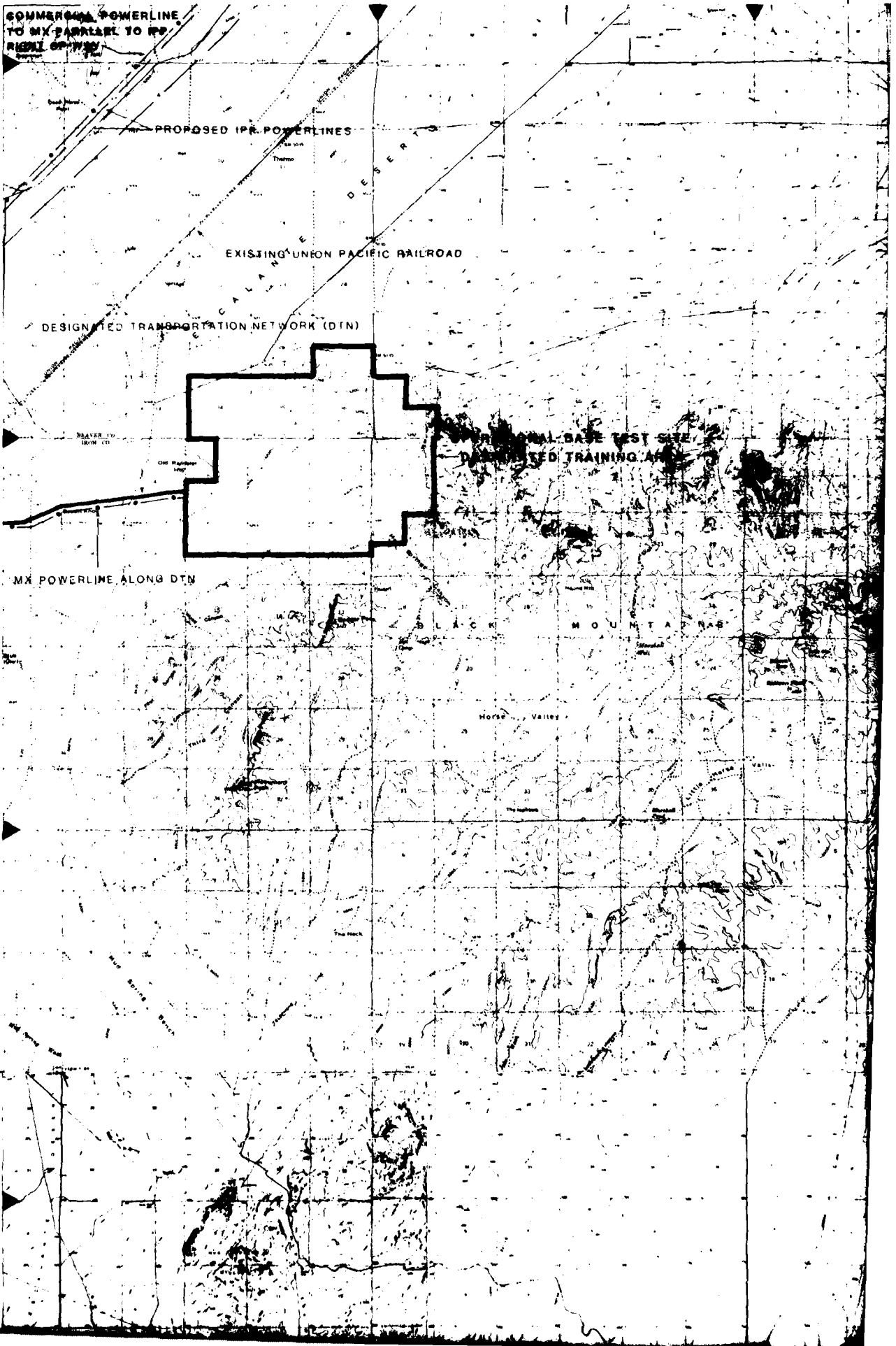
BLACK MOUNTAINS

HORSE VALLEY

SEE DRAWING
47

1326

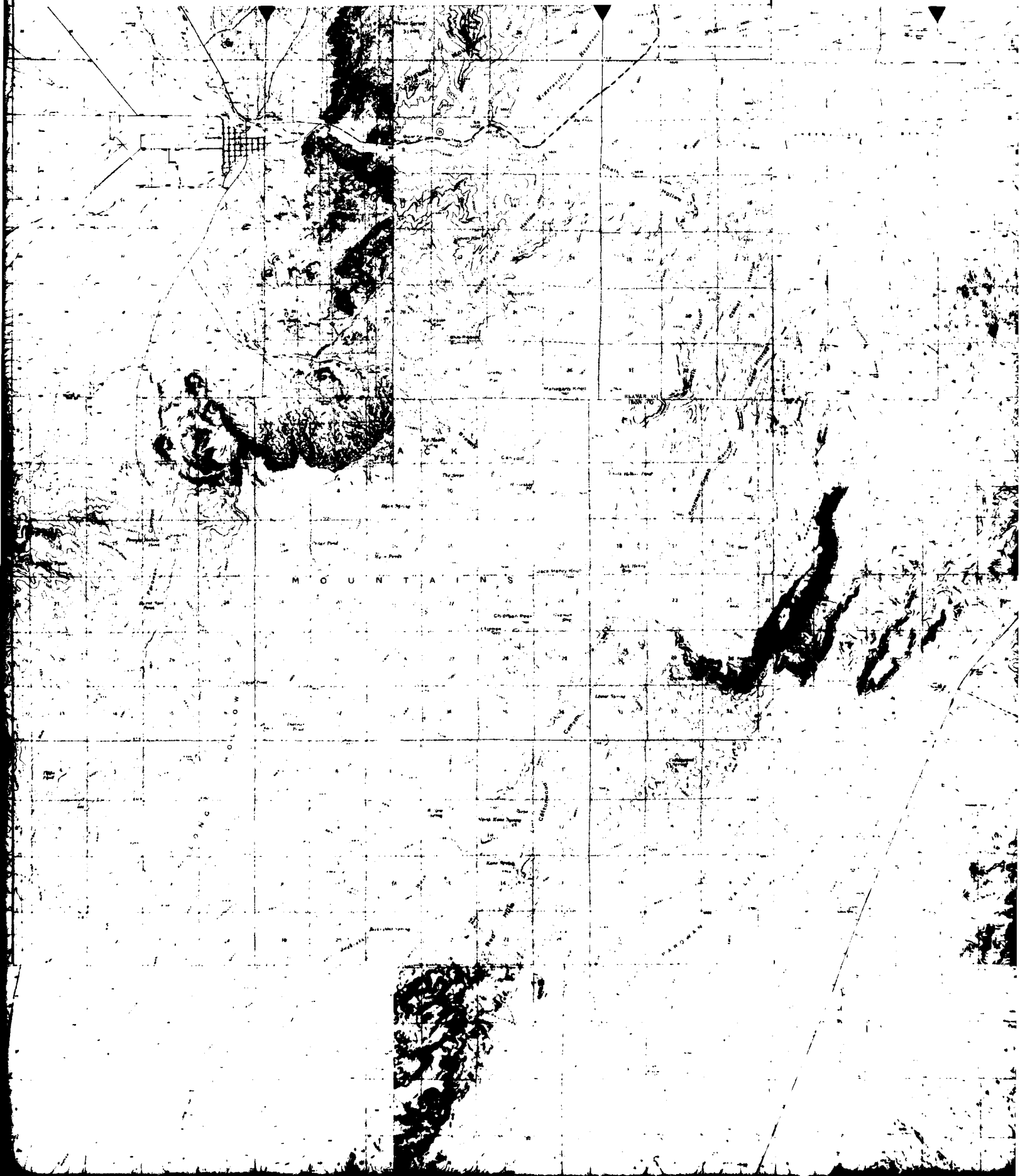
38° 00' 00" N



000 W R10W

R9W SEE DRAWING #55

R8W
112°45'00"W



HW

117 45 00 W

HW

HW

117 30 00 W

28 55 00 N

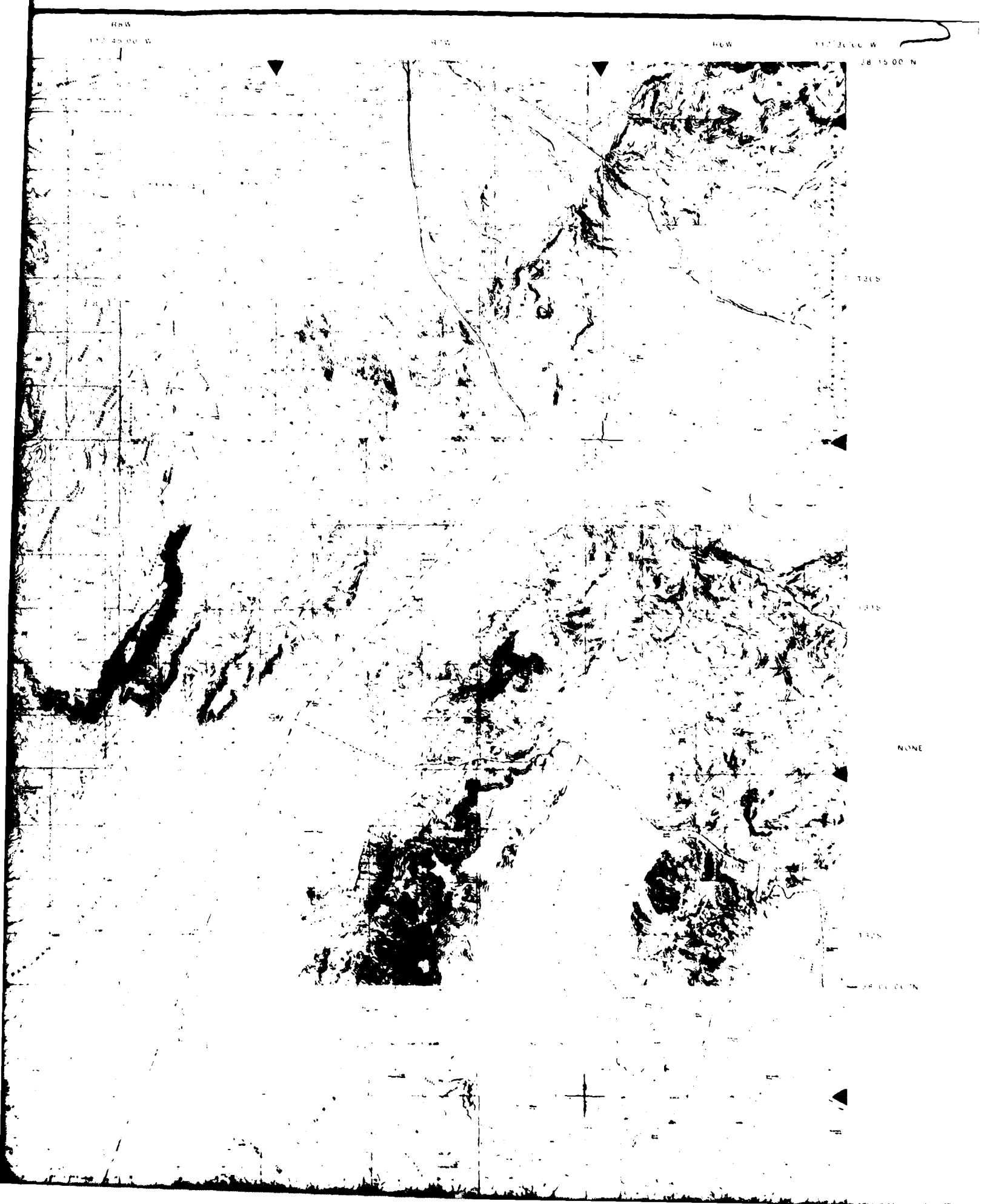
28 50 00 N

28 45 00 N

NONE

28 40 00 N

117 15 00 W



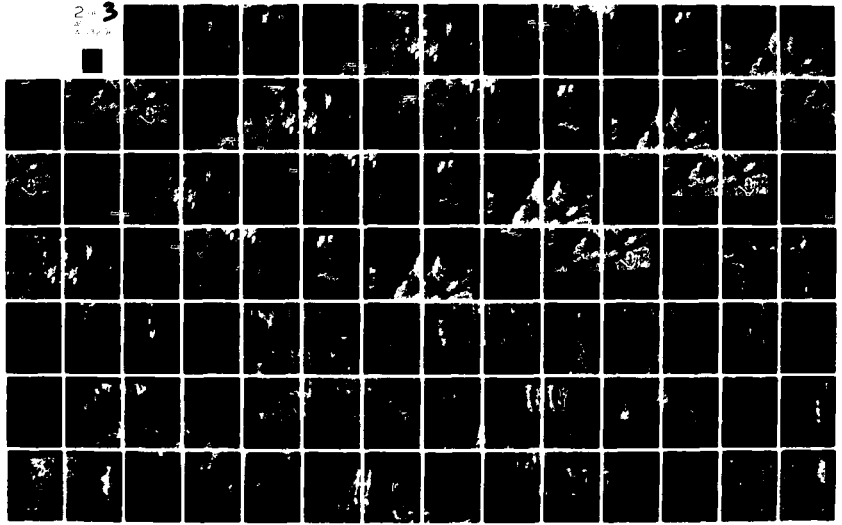
AD-A113 218

ERTEC WESTERN INC .LONG BEACH CA
MX SITING INVESTIGATION. MX SYSTEM SITING SUMMARY REPORT. LAND --ETC(U)
JAN 82
E-TR-58-VOL-3

F/6 13/2
F04704-80-C-0006
NL

UNCLASSIFIED

2-3
3-1-82



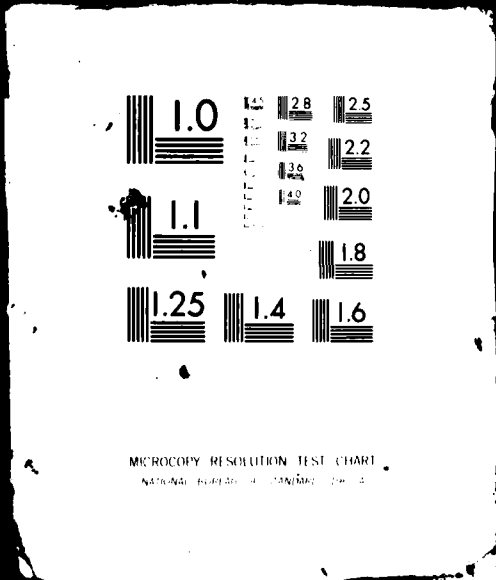
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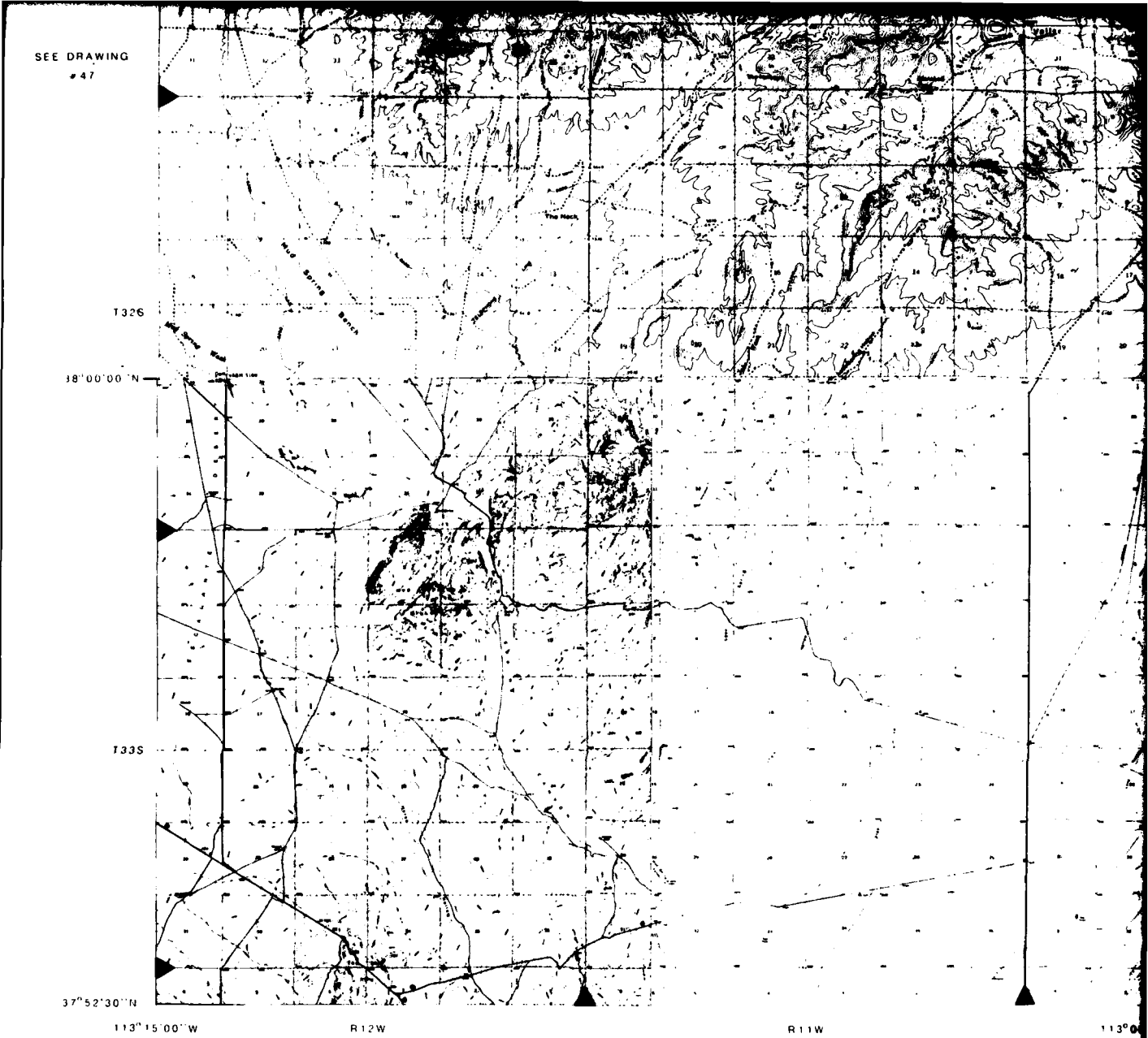
OF

3

AD-

A113218





SEE DRAWING
#47

T326

38°00'00\"/>

T335

37°52'30\"/>

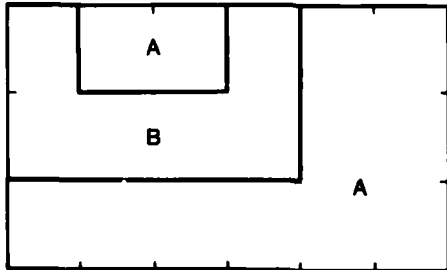
113°15'00\"/>

R12W

R11W

113°0'

BASE MAP SOURCE INSET

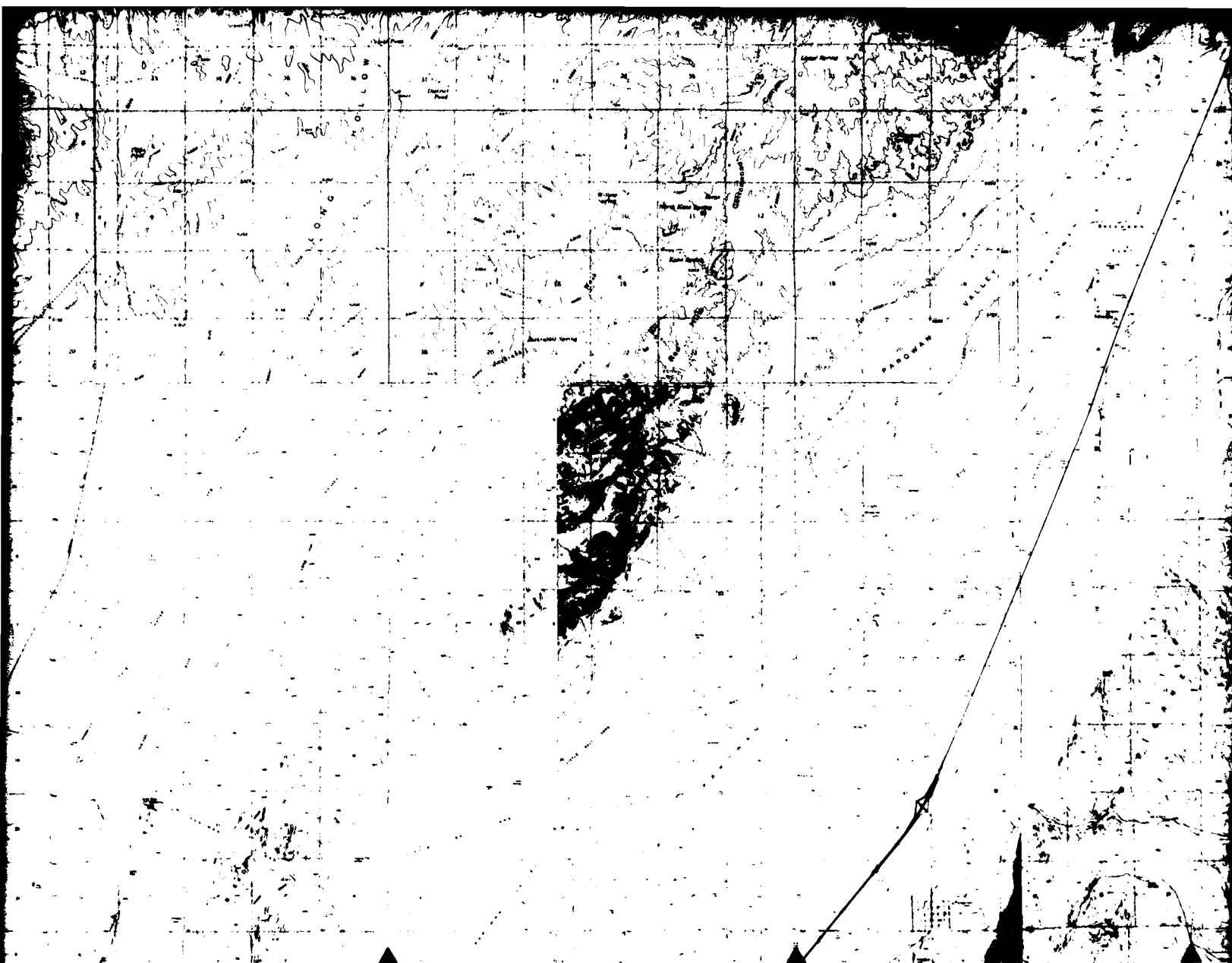


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



113°00'00"W R10W

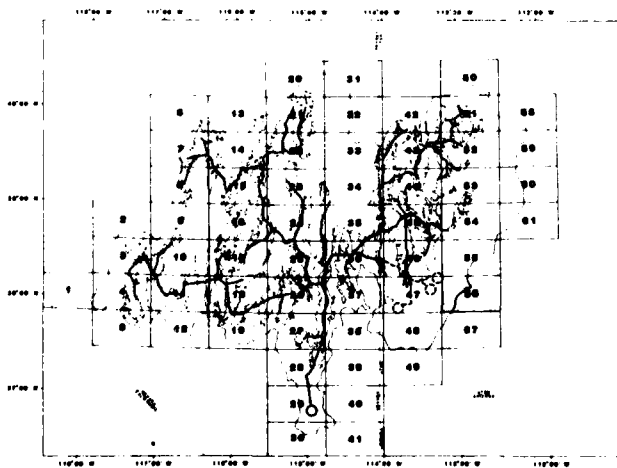
R9W

112°45'00"W

R8W

MAP SHEET LOCATION

SEE DRAWING #57



NORTH

**SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS**

SCALE 1:62,500



STATUTE MILES

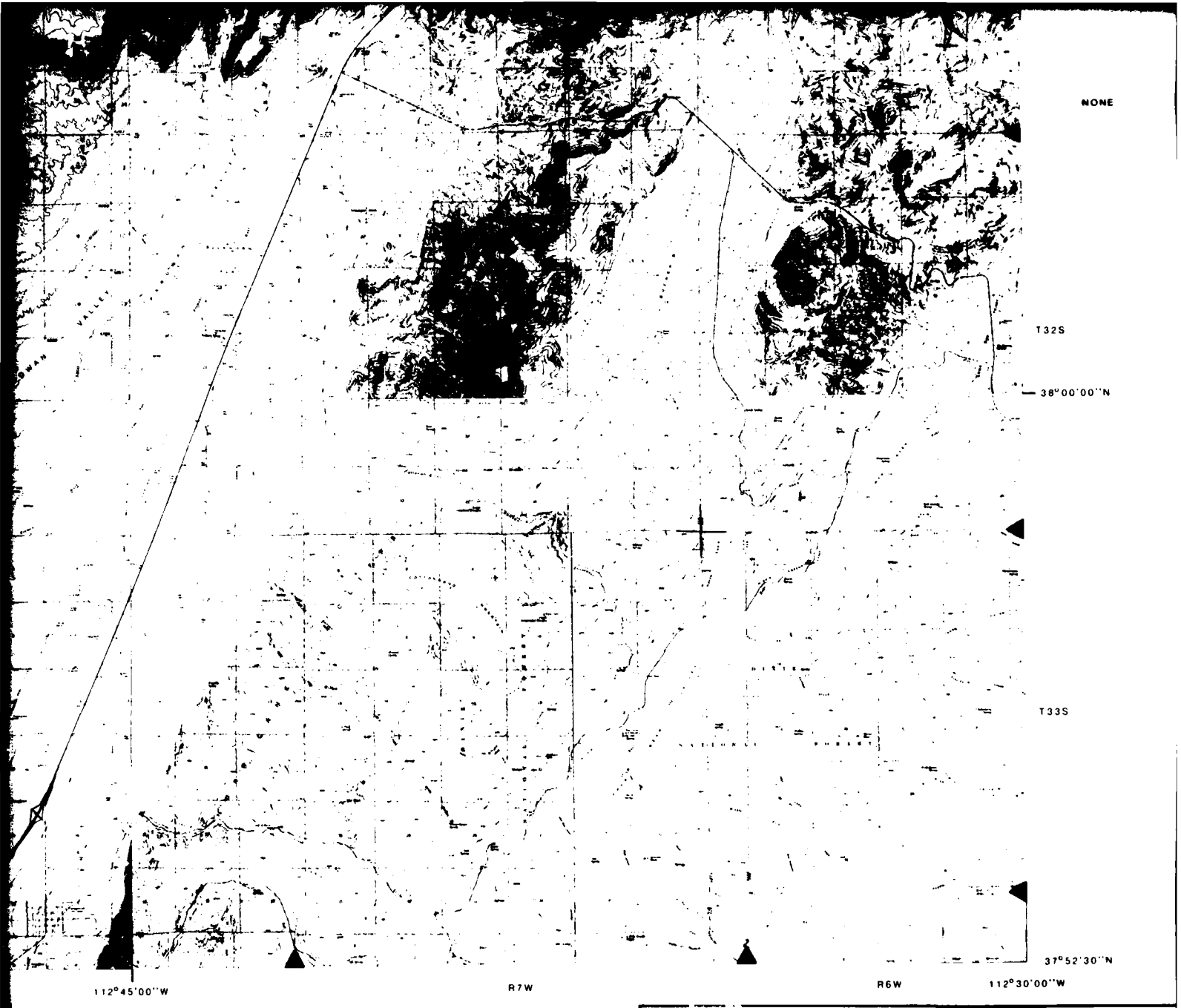


KILOMETERS

NOTE:
**DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000**

REVISION	DATE	DESCRIPTION

REV



NONE

T32S

38°00'00"N

T33S

37°52'30"N

112°45'00"W
R8W

R7W

R6W

112°30'00"W

PROJECT MAP SHEET

STATE: _____	RAILROADS: UNION PACIFIC
COUNTY: _____	STATE ROADS: HWY 10, 20, 120
LOCAL COMMUNITY: MINERSVILLE	FEDERAL ROADS: INTERSTATE 15
PARAGONAH	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION H-MILFORD MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY: <i>P. White</i>	4/17/61	
CHECKED BY: <i>A. Sandoz</i>		
GEO TECHNICAL: <i>A. Sandoz</i>	4/17/61	
ENVIRONMENTAL: <i>P. J. Snyder</i>	4/17/61	
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/2/61	REVISED BOUND	<i>P. J. Snyder</i>	10/2/61

REVISIONS

APPROVED BY	DRAWING NUMBER: 58	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

114°00'00"W

R19W

R18W

R17W
113°45'00"

38°15'00"N

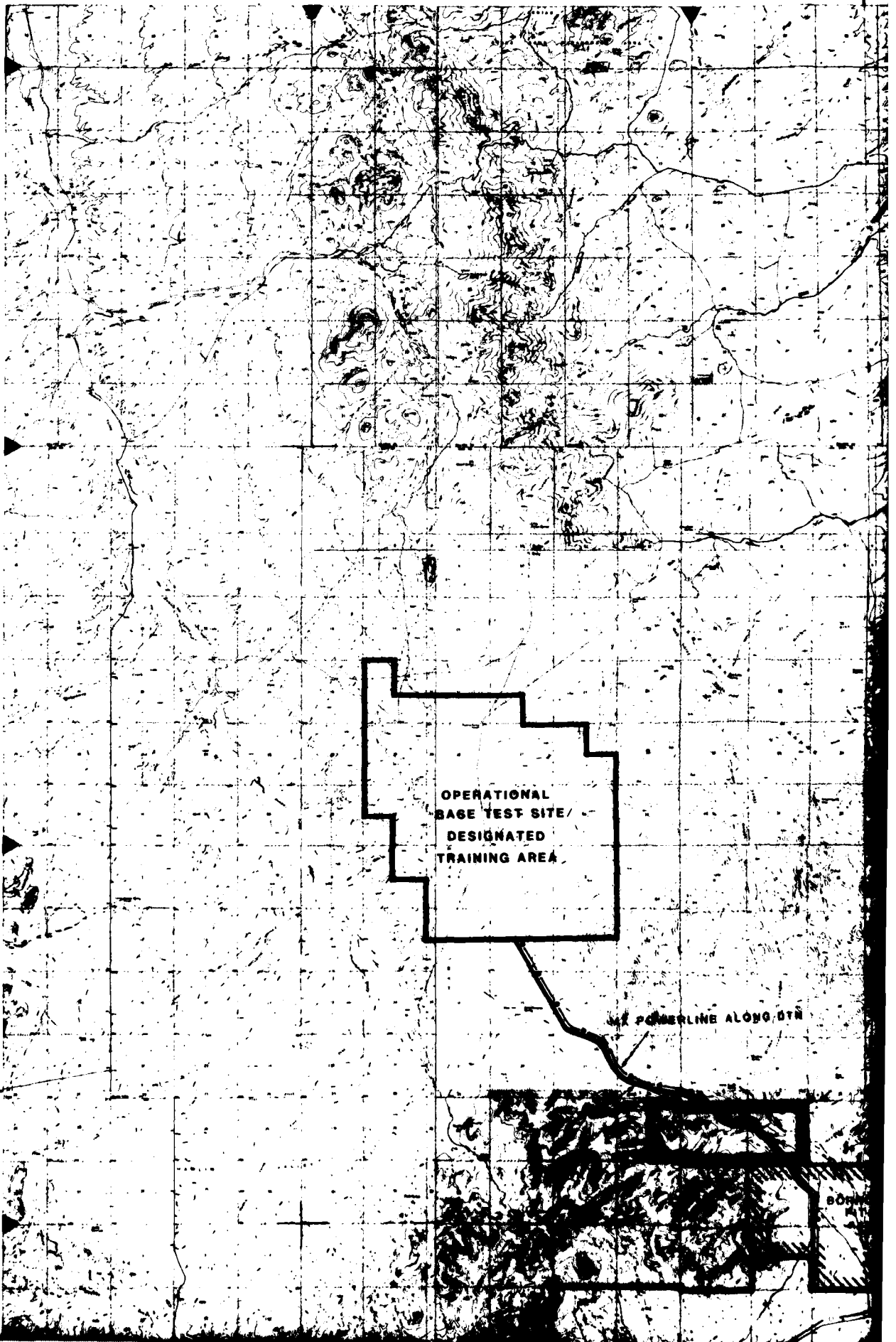
T30S

T31S

SEE DRAWING
#37

T32S

38°00'00"N



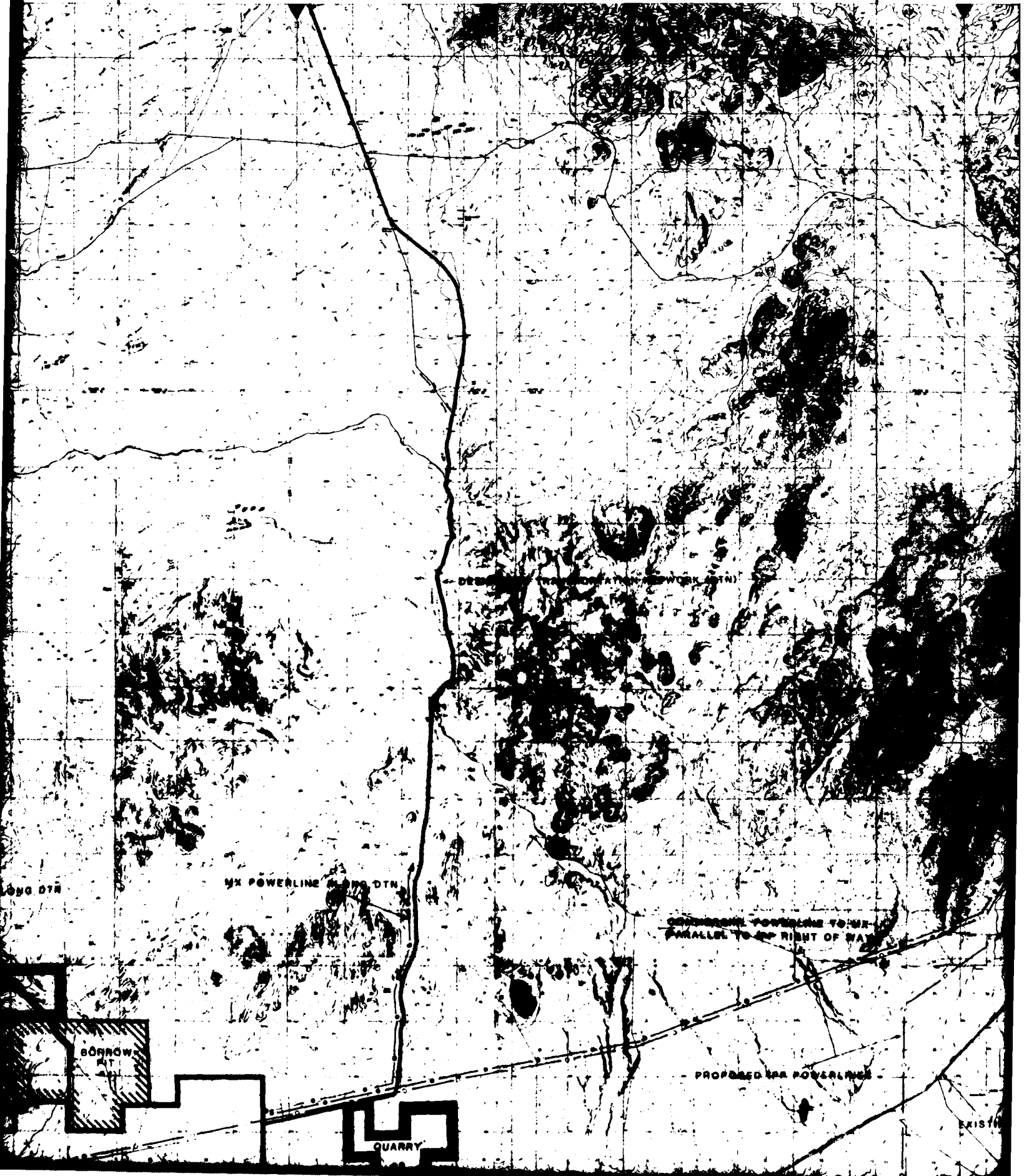
BORNEO

R17W
113 45'00"W

R16W

SEE DRAWING #46

R15W
113 30'00"W



R15W

113° 30' 00" W

R14W

R13W

113° 15' 00" W

38° 15' 30" N

T30S

T31S

SEE DRAWING #56

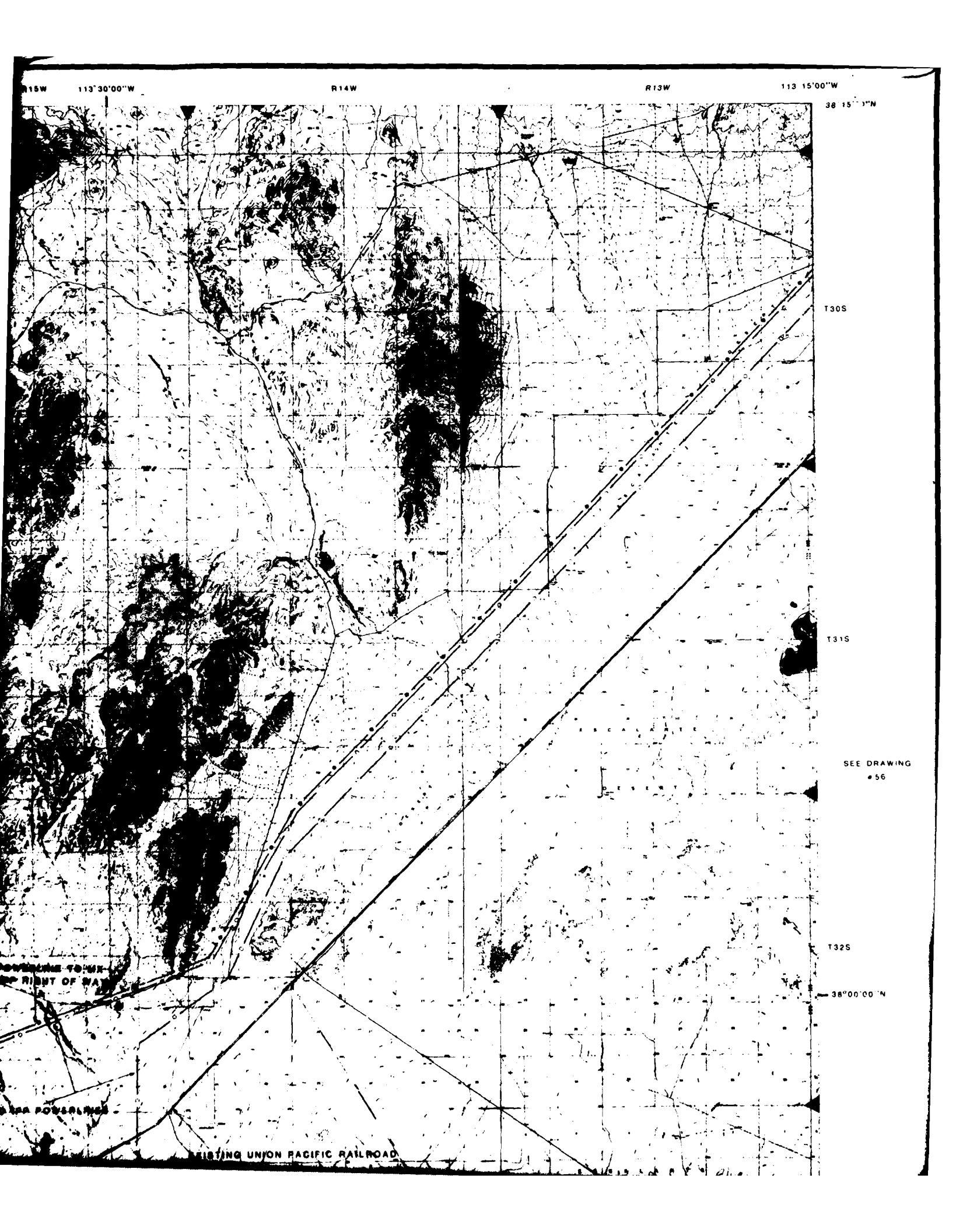
T32S

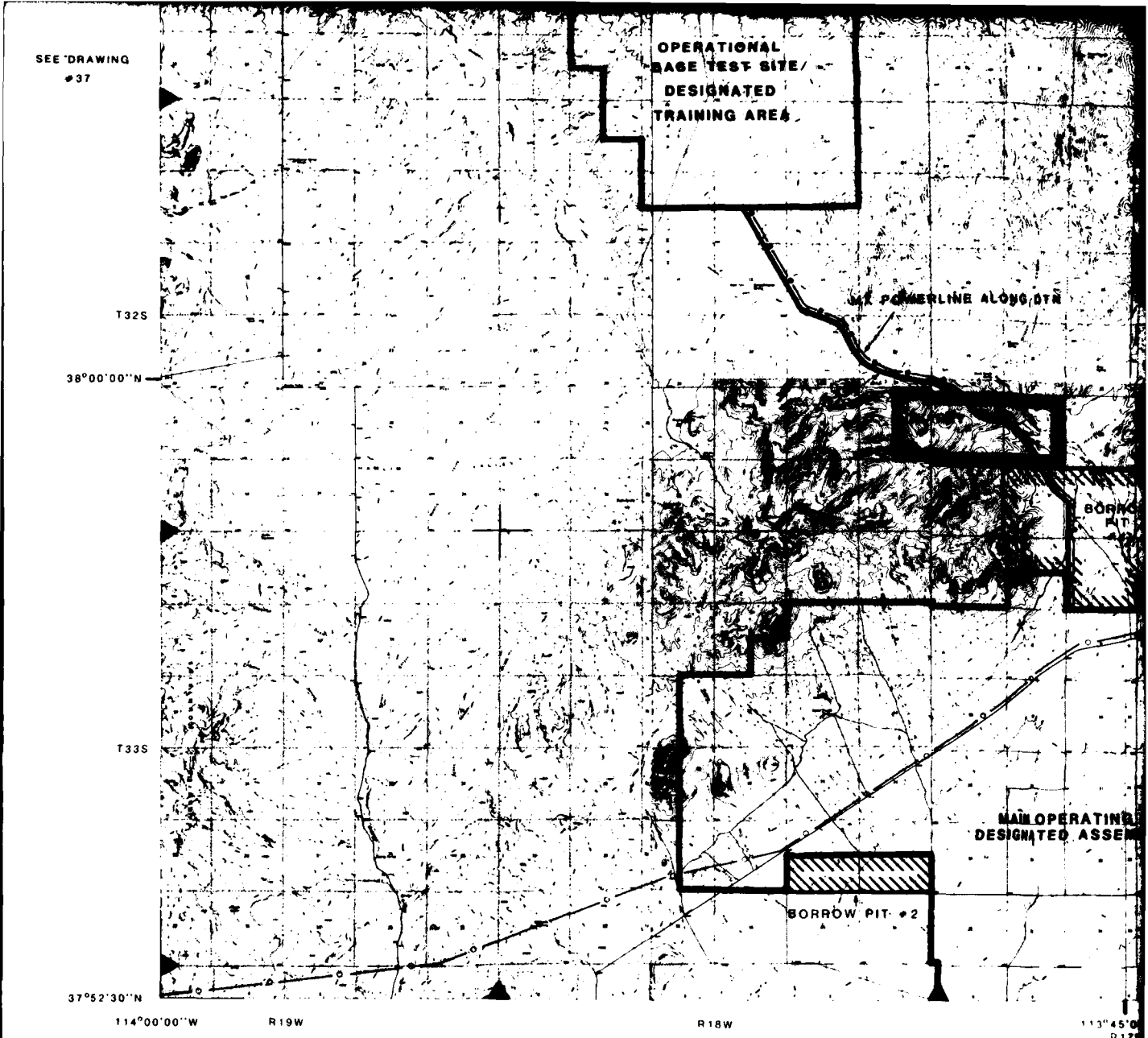
38° 00' 00" N

POWERLINE TO WEST
OF RIGHT OF WAY

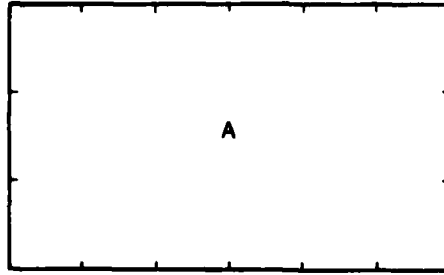
AREA POWERLINE

EXISTING UNION PACIFIC RAILROAD



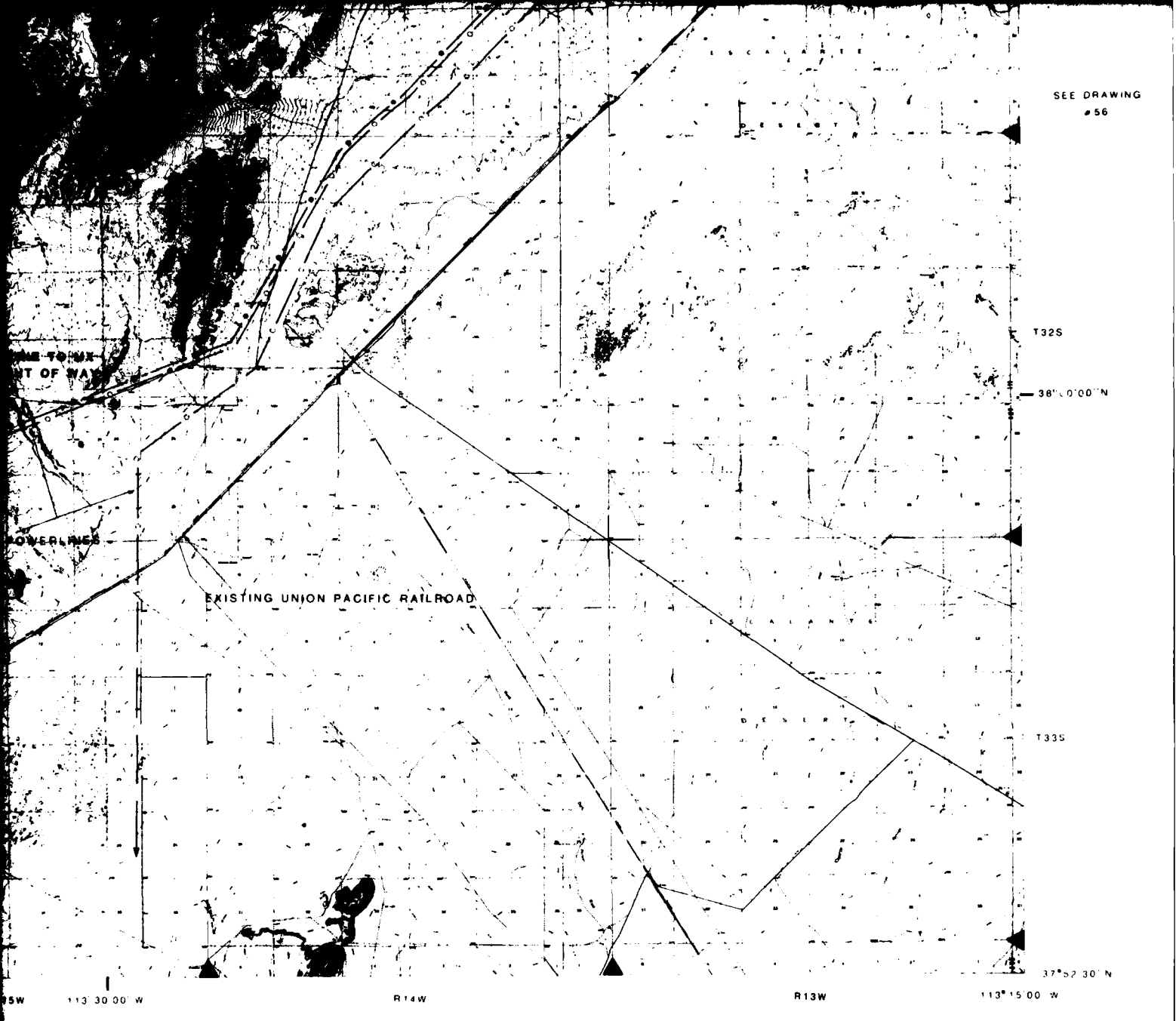


BASE MAP SOURCE INSET



- A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)
- B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)
- C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)
- D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500

SEE DRAWING # 56



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 10
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION I-BERYL MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY: <i>P. White</i>	<i>1/1/61</i>	
CHECKED BY: <i>A. Smith</i>	<i>1/1/61</i>	
ENVIRONMENTAL:		
SYSTEMS ENGINEER:	APPROVED BY:	DATE
CORPS OF ENGINEERS:	AIR FORCE REGIONAL CIVIL ENGINEER-MX	
APPROVED BY:	DRAWING NUMBER: 47	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

114°00'00"W

R19W

R18W

R17W

113 45'00"

37°52'30"N

T34S

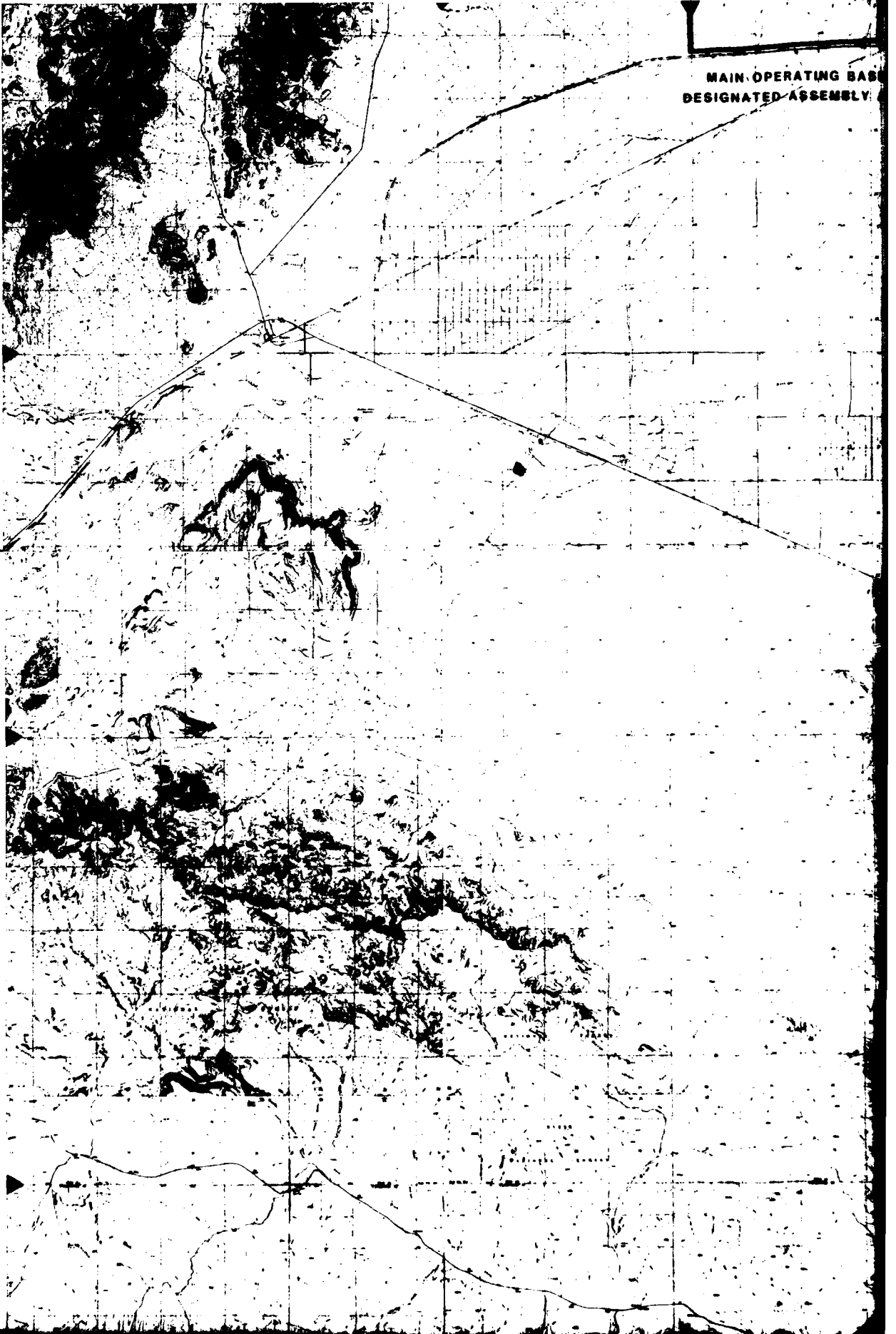
37°45'00"

T35S

SEE DRAWING
38

T36S

MAIN OPERATING BASE
DESIGNATED ASSEMBLY



R17W

111°45'00"W

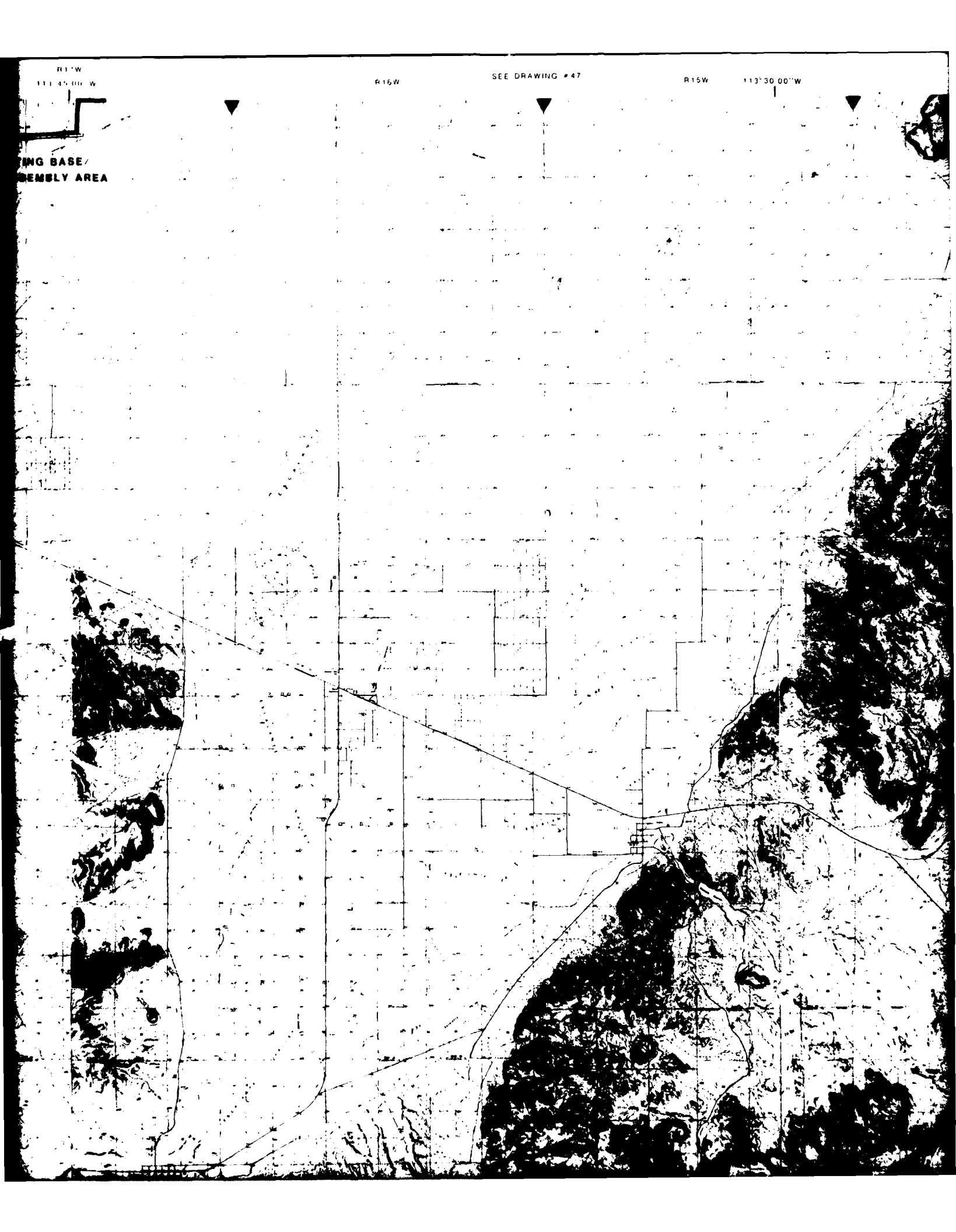
R16W

SEE DRAWING #47

R15W

113°30'00"W

ING BASE/
SEMBLY AREA



113° 30' 00" W

R 14 W

R 14 W

113° 15' 00" W

37° 51' 30" N

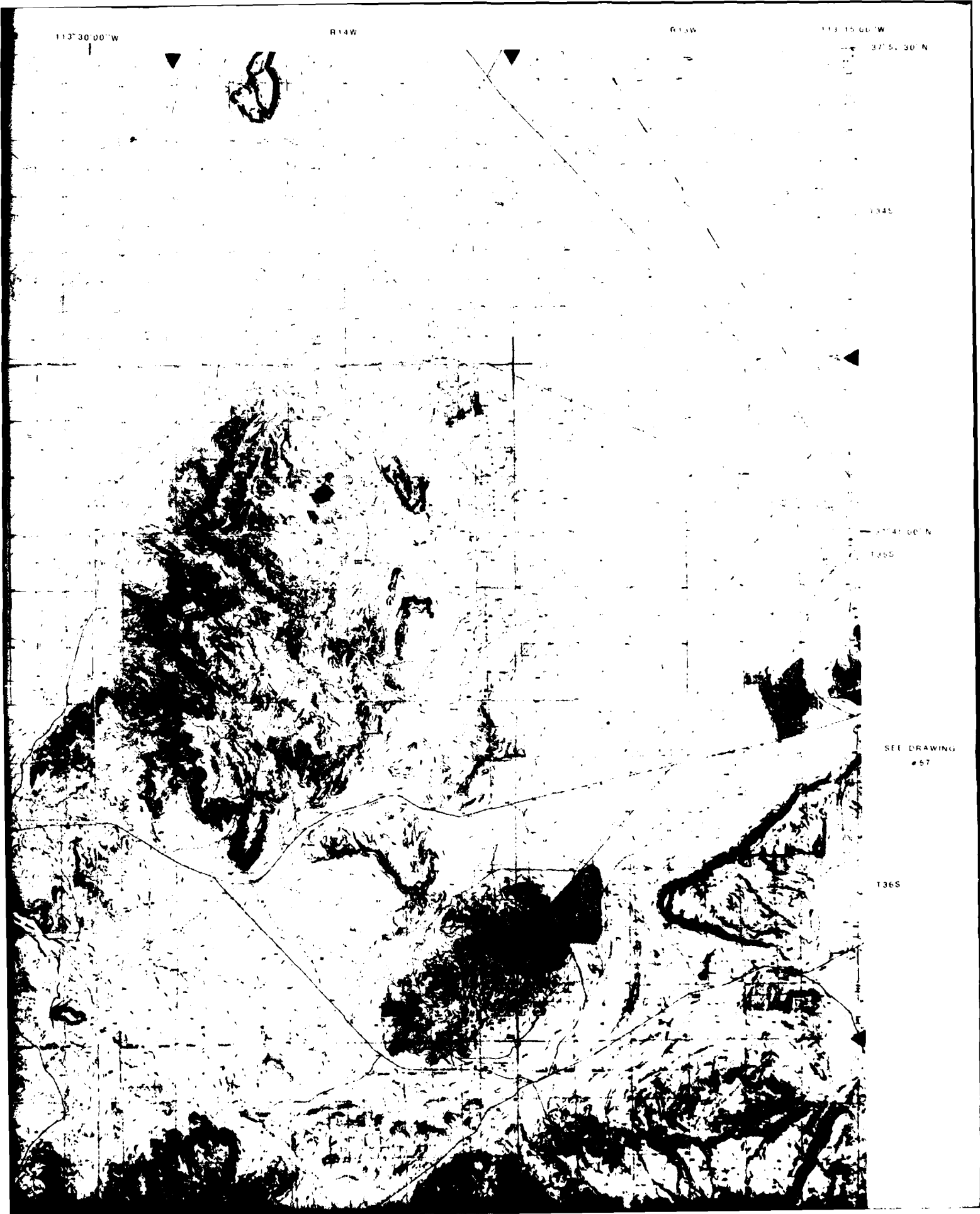
1345

37° 41' 00" N

1350

SEE DRAWING
57

1365



SEE DRAWING
#38

T36S

T37S

T38S

37°30'00"N

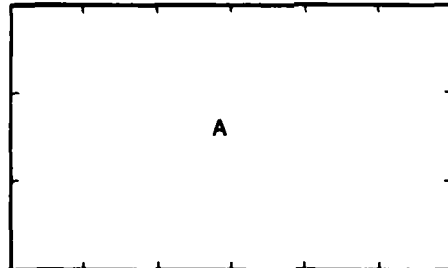
114°00'00"W

R19W

R18W

113

BASE MAP SOURCE INSET



A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



113° 45' 00" W

R 16 W

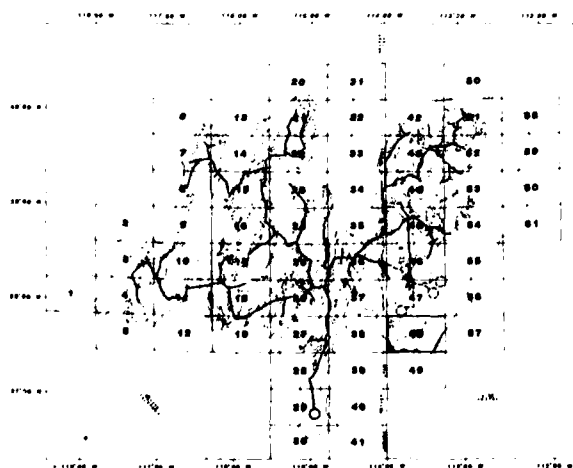
R 15 W

113° 30' 00" W

R 17 W

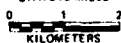
SEE DRAWING # 49

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

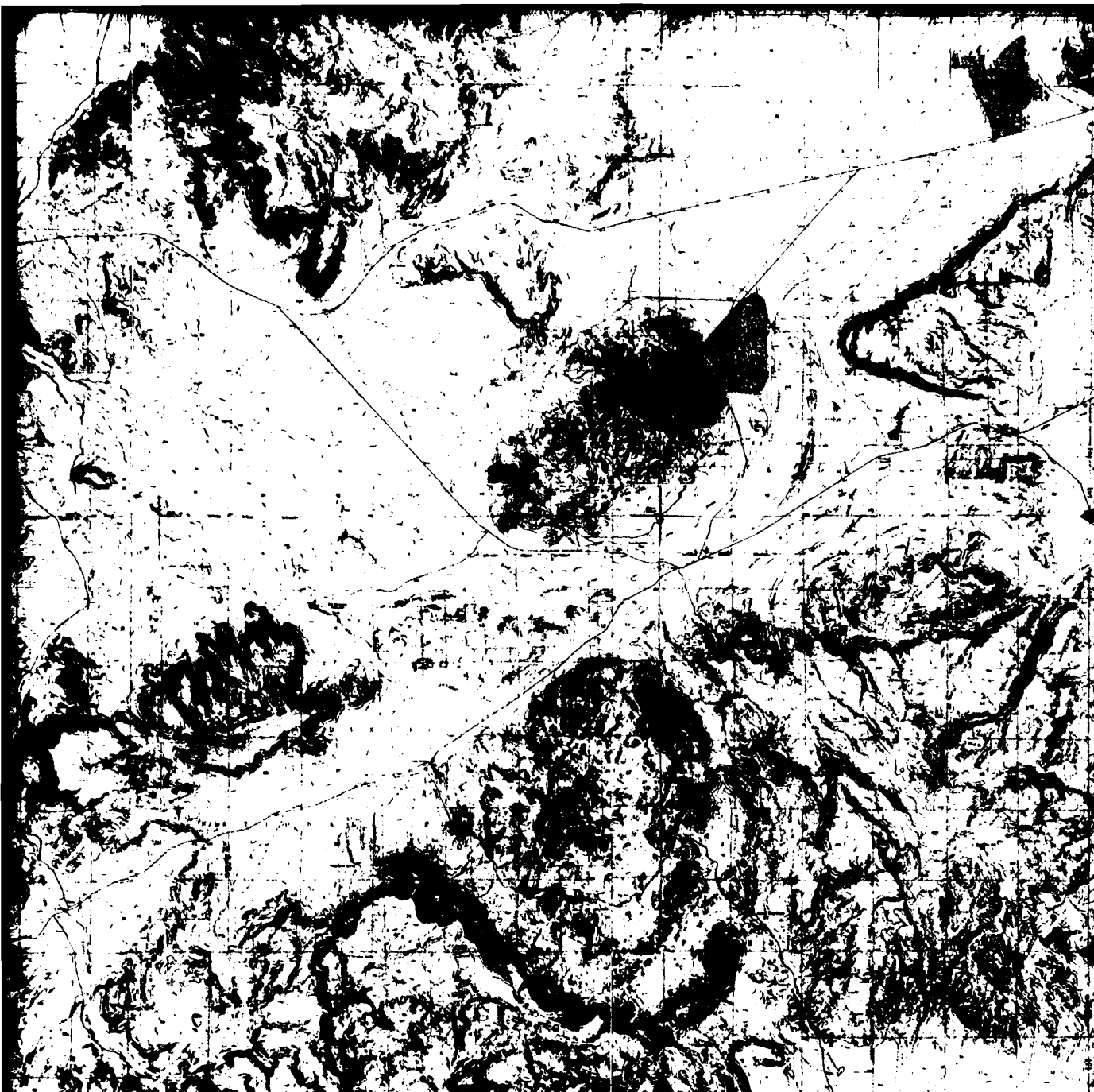
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS



SEE DRAWING
57

T 365

T 375

T 385

37°30'00" N

111°40'00" W

R 14 W

R 13 W

113°15'00" W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: IRON, WASHINGTON	STATE ROADS: HWY 56, 18
LOCAL COMMUNITY: NEWCASTLE, BERVL, MODENA, ENTERPRISE	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>P. Uchida</i>	9/17/81
CHECKED BY <i>A. Sardis</i>	
GEO TECHNICAL <i>W. M. Mason</i>	9/17/81
SITING <i>J. D. Hughes</i>	9/17/81
ENVIRONMENTAL	

OPTION I-BERYL
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

VISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

E-TK-02-III

14°00'00"W
38°15'00"N

R19W

R18W

R17W
113°45'00"W

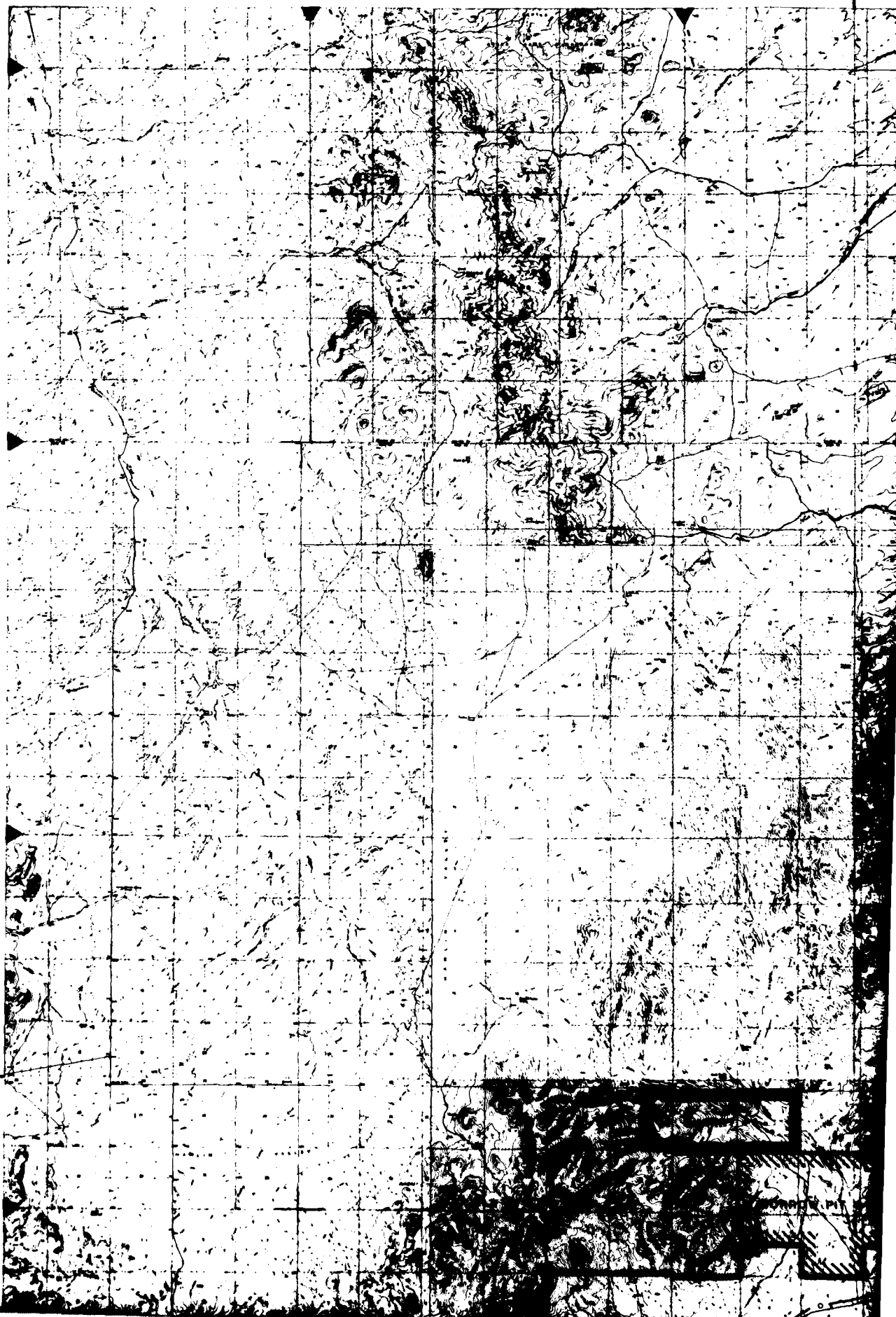
T30S

T31S

SEE DRAWING
#37

T32S

38°00'00"N



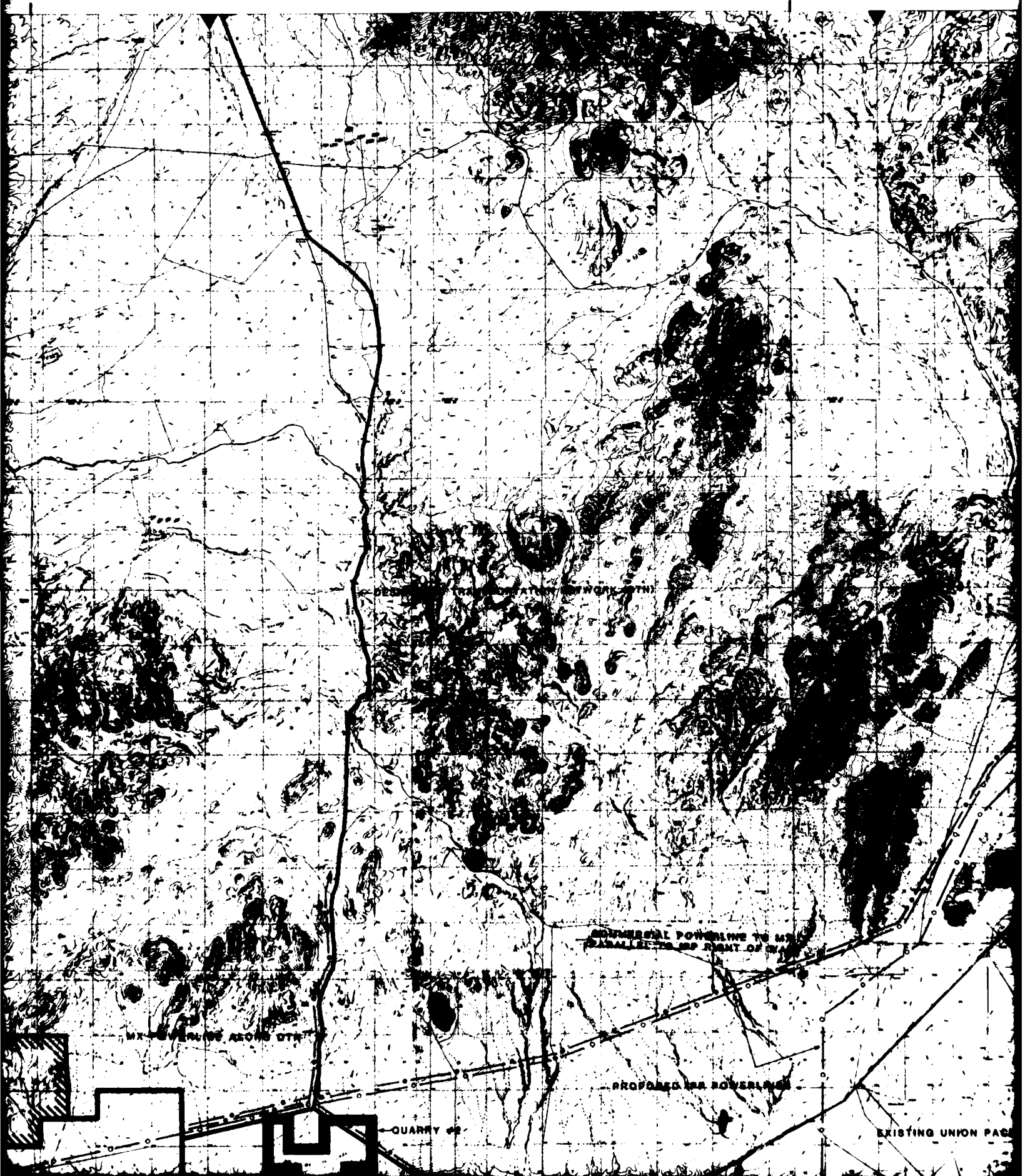
R17W
345°00'W

R16W

SEE DRAWING #48

R15W

113°30'00"W



DEVELOPMENT NETWORK (DTN)

COMMERCIAL POWERLINE TO MS
PARALLEL TO IRR RIGHT OF WAY

MX COVERING ALONG DTN

PROPOSED IRR BOUNDARY

QUARRY #2

EXISTING UNION PACE

R15W

113°30'00"W

R14W

R13W

113°15'00"W

38°15'00"N

T30S

T31S

SEE DRAWING
#56

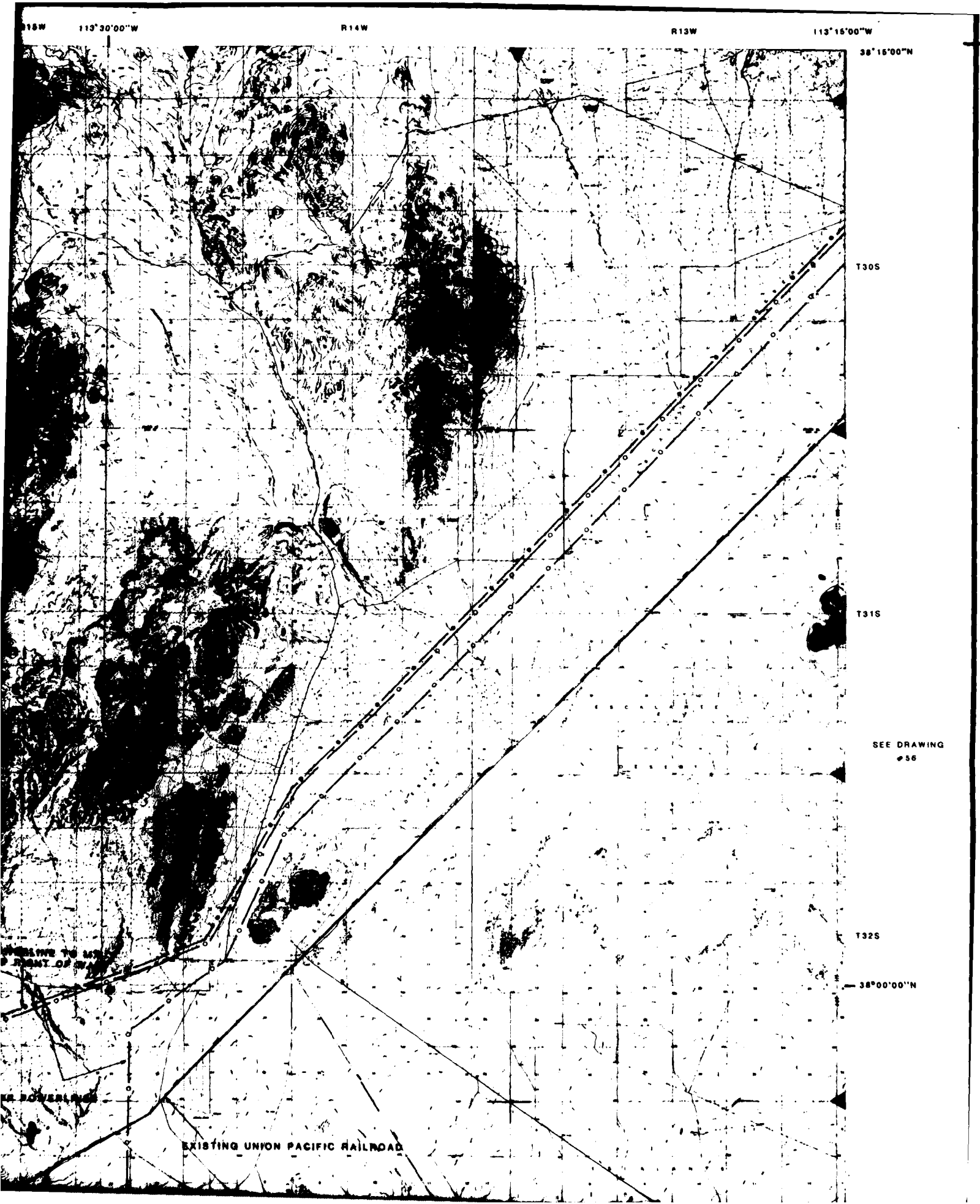
T32S

38°00'00"N

ADJACENT TO THE
FRONT OF WAY

MR. POWERLINE

EXISTING UNION PACIFIC RAILROAD



SEE DRAWING
#37

T32S

38°00'00"N

T33S

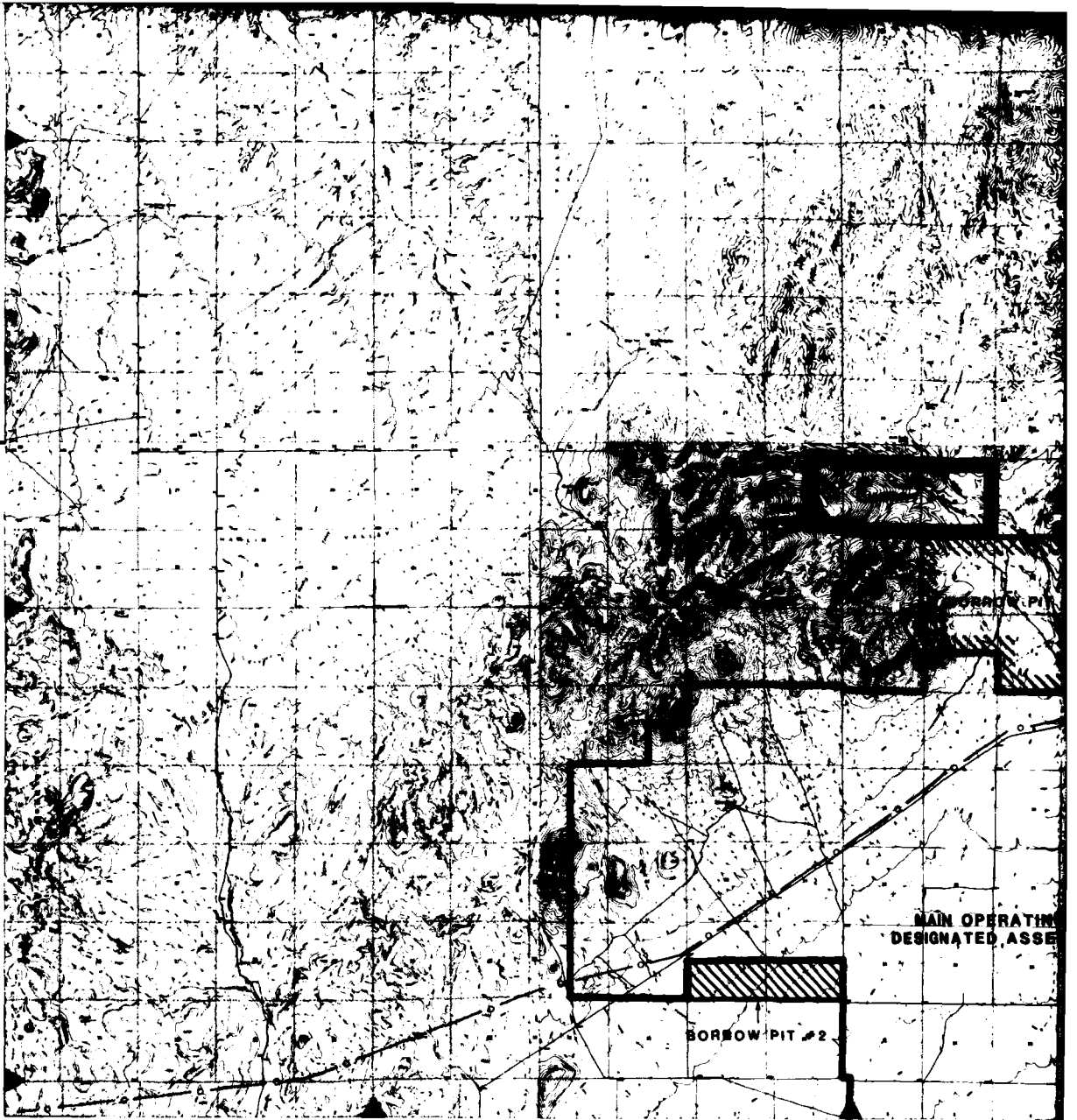
37°52'30"N

114°00'00"W

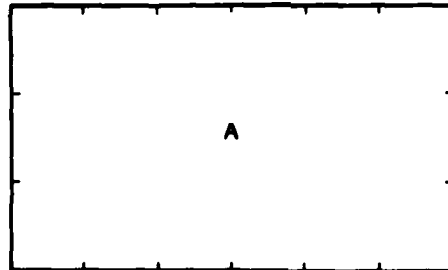
R19W

R18W

113°45'
R17E



BASE MAP SOURCE INSET



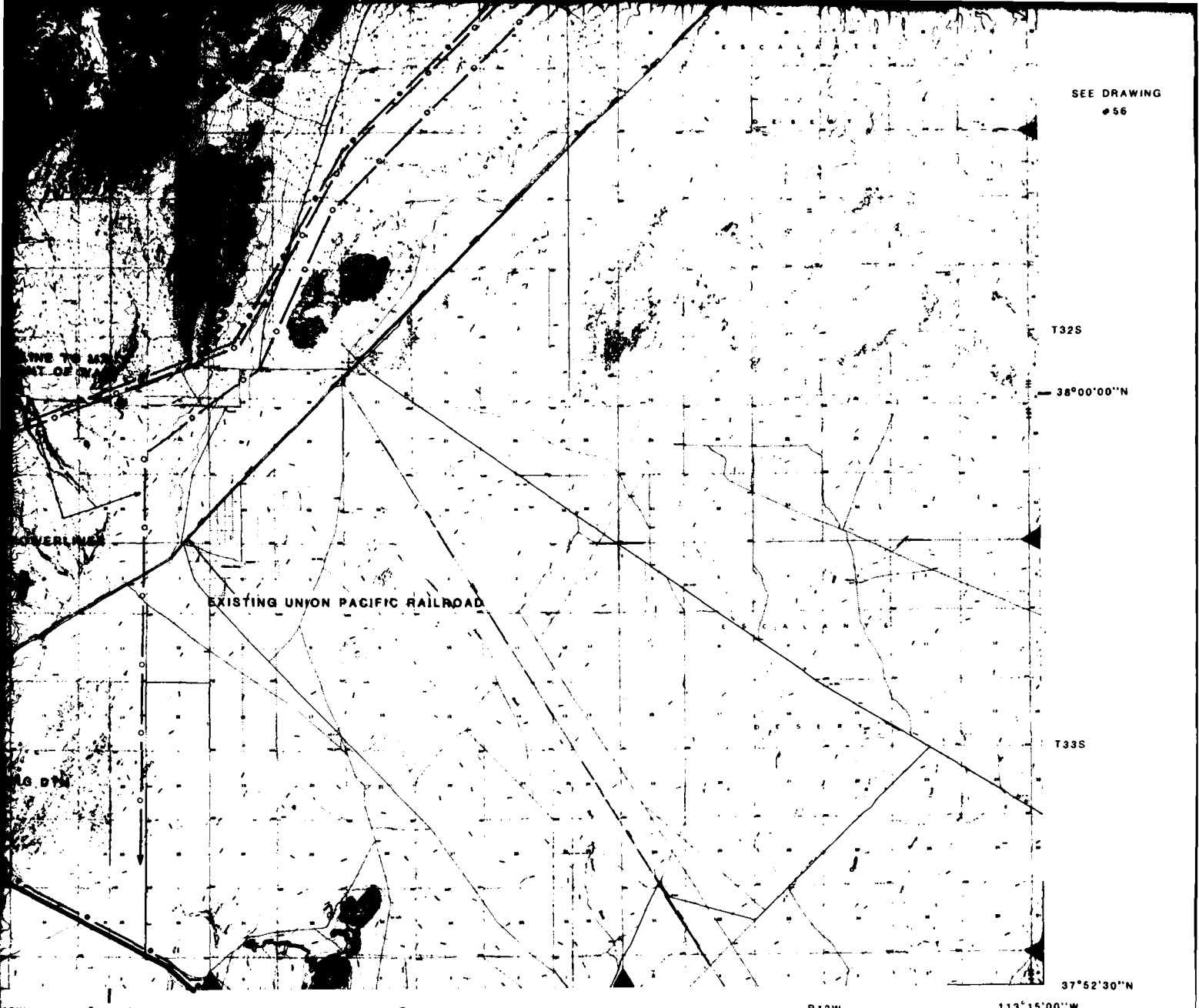
A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500

SEE DRAWING #56



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: 897
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION J-BERYL MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY: <i>C. Brown</i>	4/1/81	
CHECKED BY: <i>R. Sordic</i>		
GEO/TECHNICAL: <i>W. M. ...</i>		
SITING: <i>W. M. ...</i>		
ENVIRONMENTAL:		
SYSTEMS ENGINEER:		APPROVED BY:
CORPS OF ENGINEERS:		AIR FORCE REGIONAL CIVIL ENGINEER-MX

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

APPROVED BY:	DRAWING NUMBER: 47	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

114°00'00"W

R19W

R18W

113 4

37°52'30"N

MAIN OPERATING BA
DESIGNATED ASSEMBLY

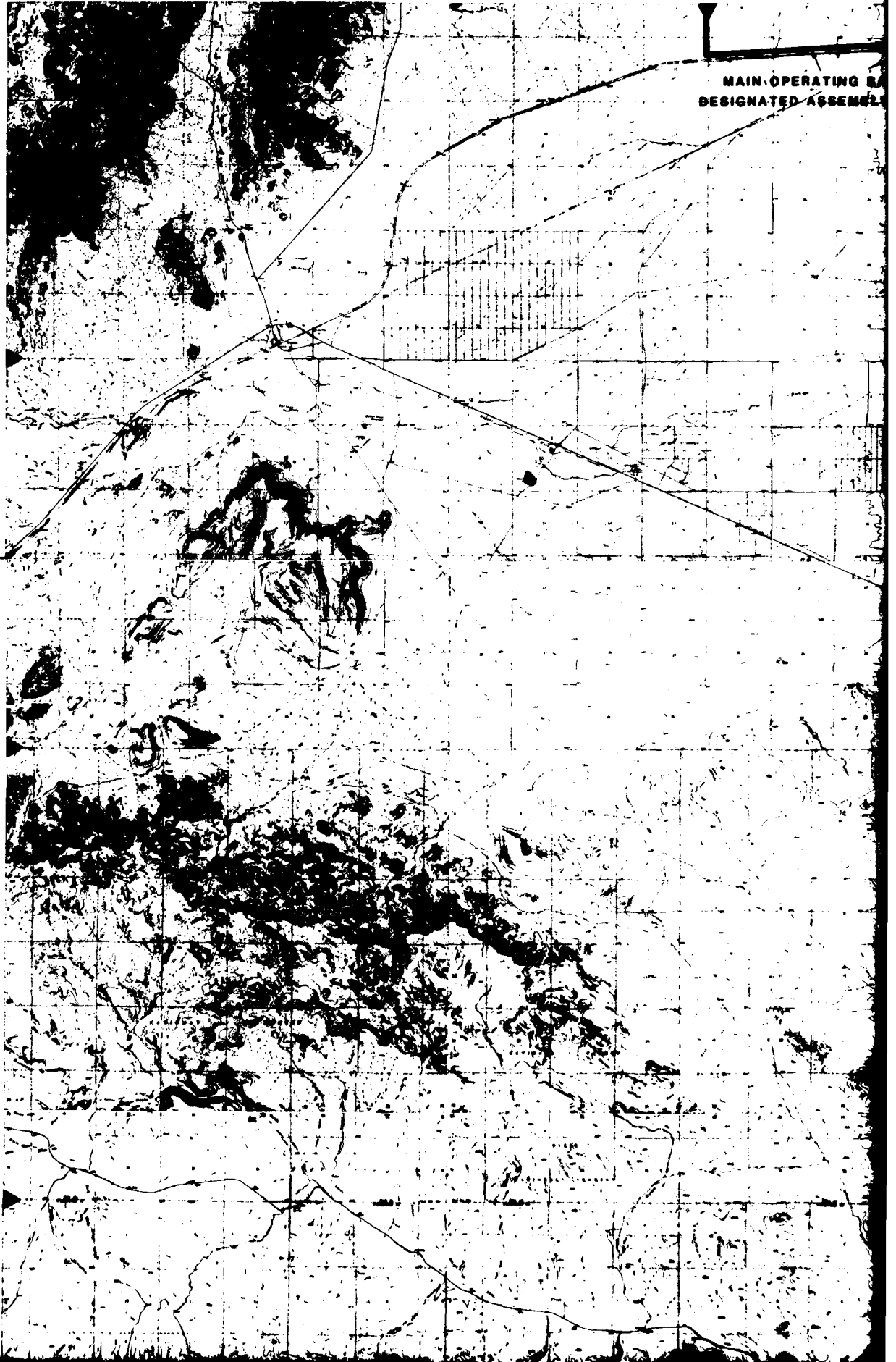
T34S

37°45'00"

T35S

SEE DRAWING
38

T36S



R17W
113 45'00" W

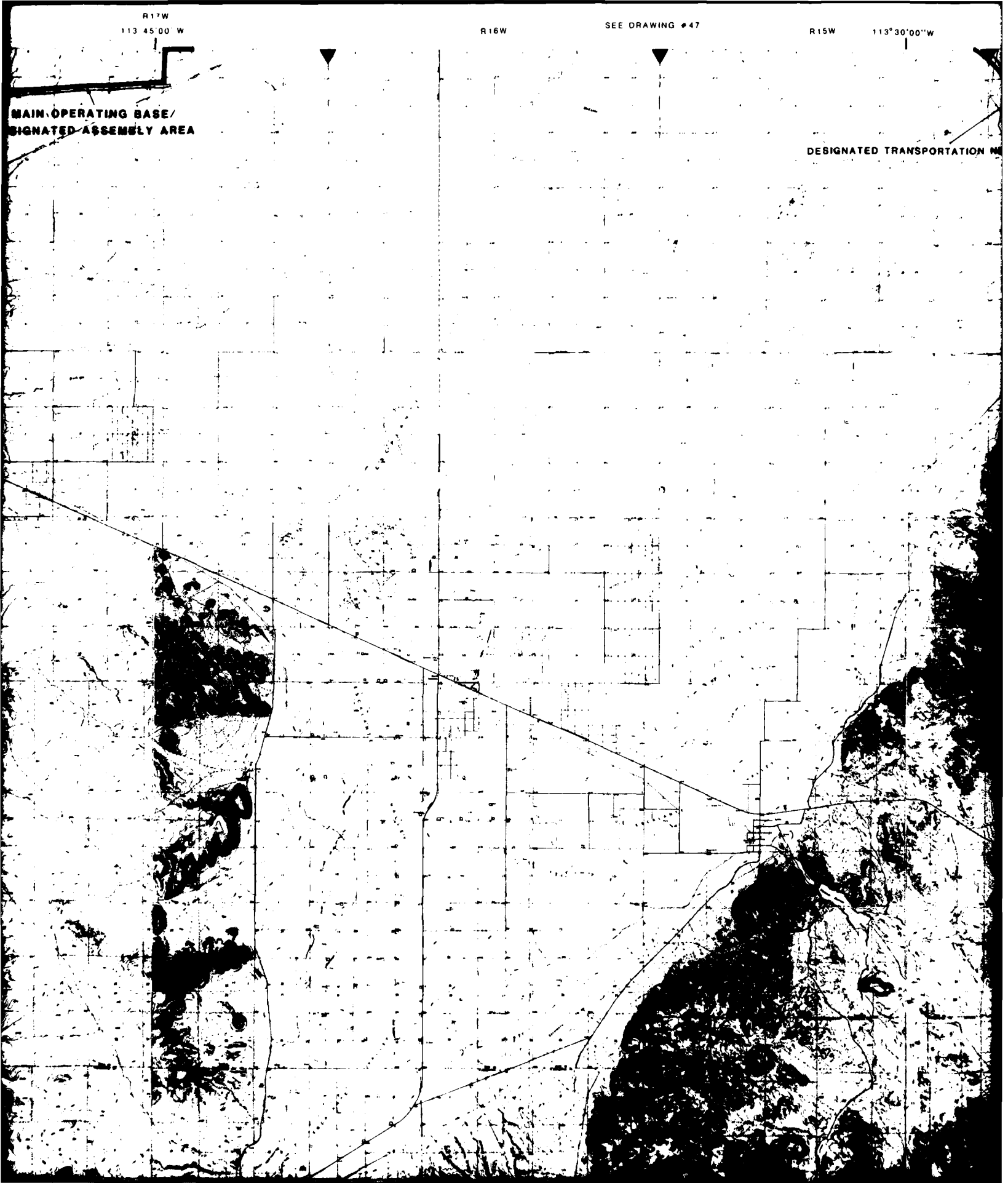
R16W

SEE DRAWING #47

R15W
113°30'00"W

MAIN OPERATING BASE/
SIGNATED ASSEMBLY AREA

DESIGNATED TRANSPORTATION



3

15W 113°30'00"W R14W R13W 113°15'00"W 37°52'30"N



DESIGNATED TRANSPORTATION NETWORK (DTN)



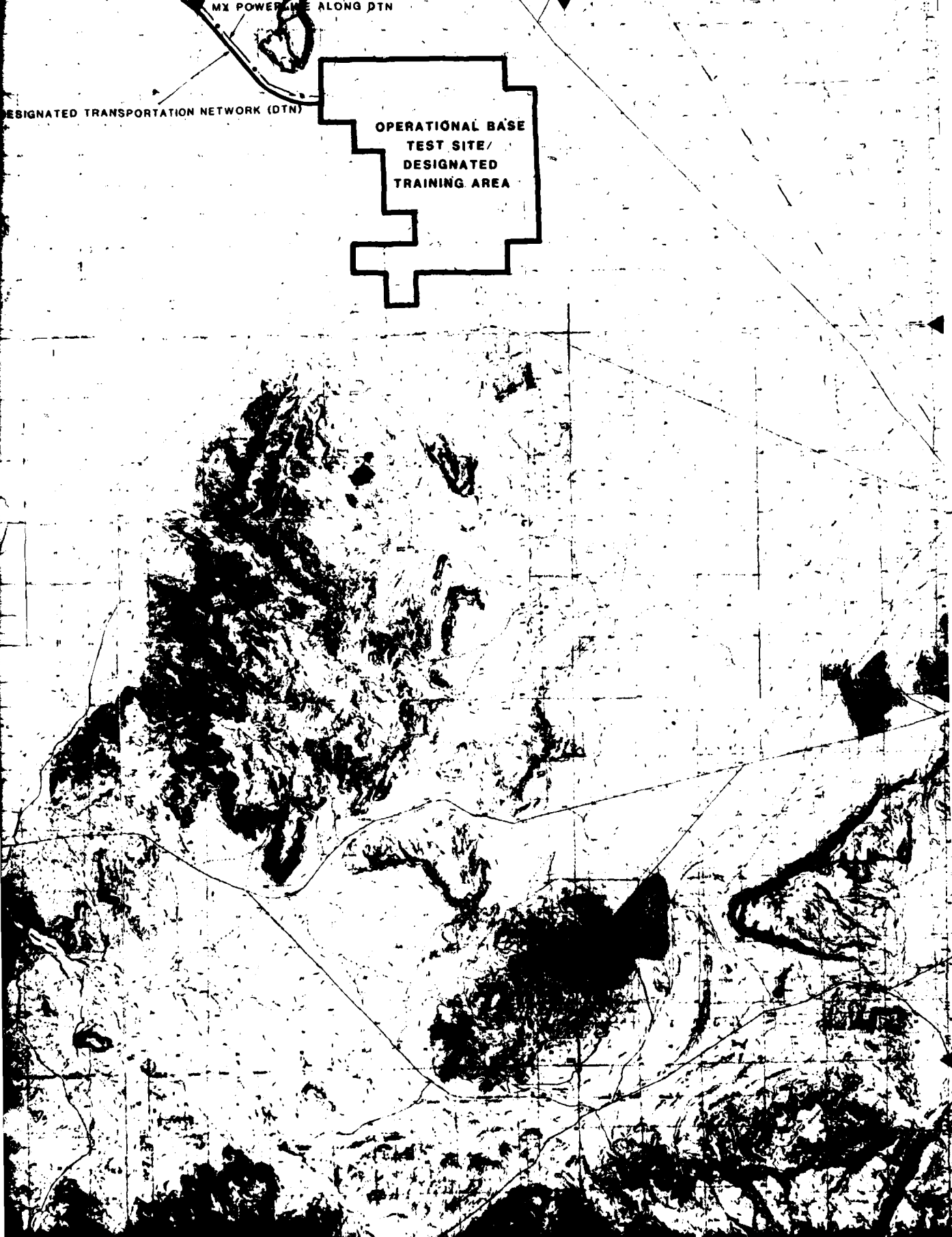
134S

17°45'00"N

135S

SEE DRAWING #57

136S



SEE DRAWING
#38

T36S

T37S

T38S

37°30'00"N

114°00'00"W

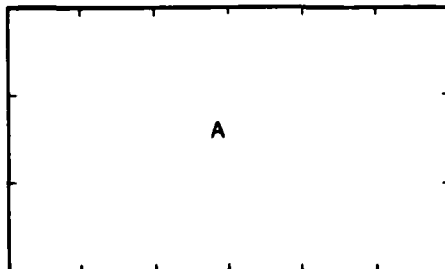
R19W

R18W

113°45'00"

R17W

BASE MAP SOURCE INSET

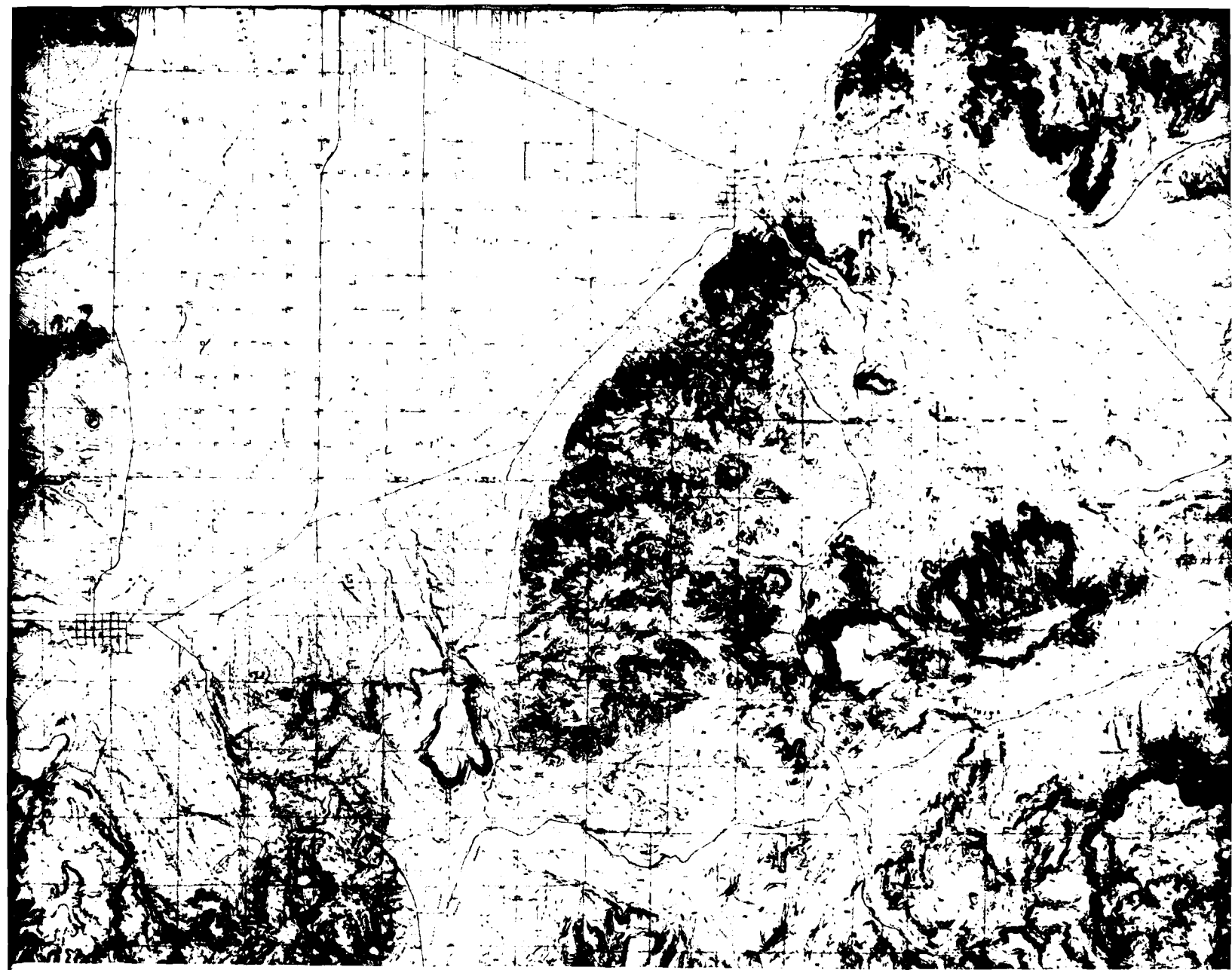


A 7½ MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:260,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



R16W

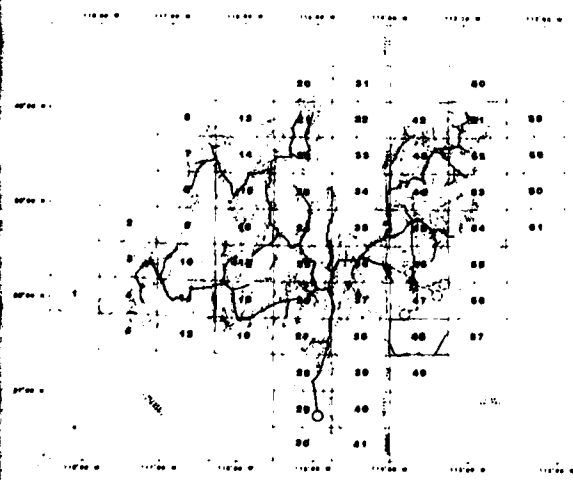
R17W

R18W

R14W

SEE DRAWING #49

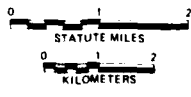
MAP SHEET LOCATION



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

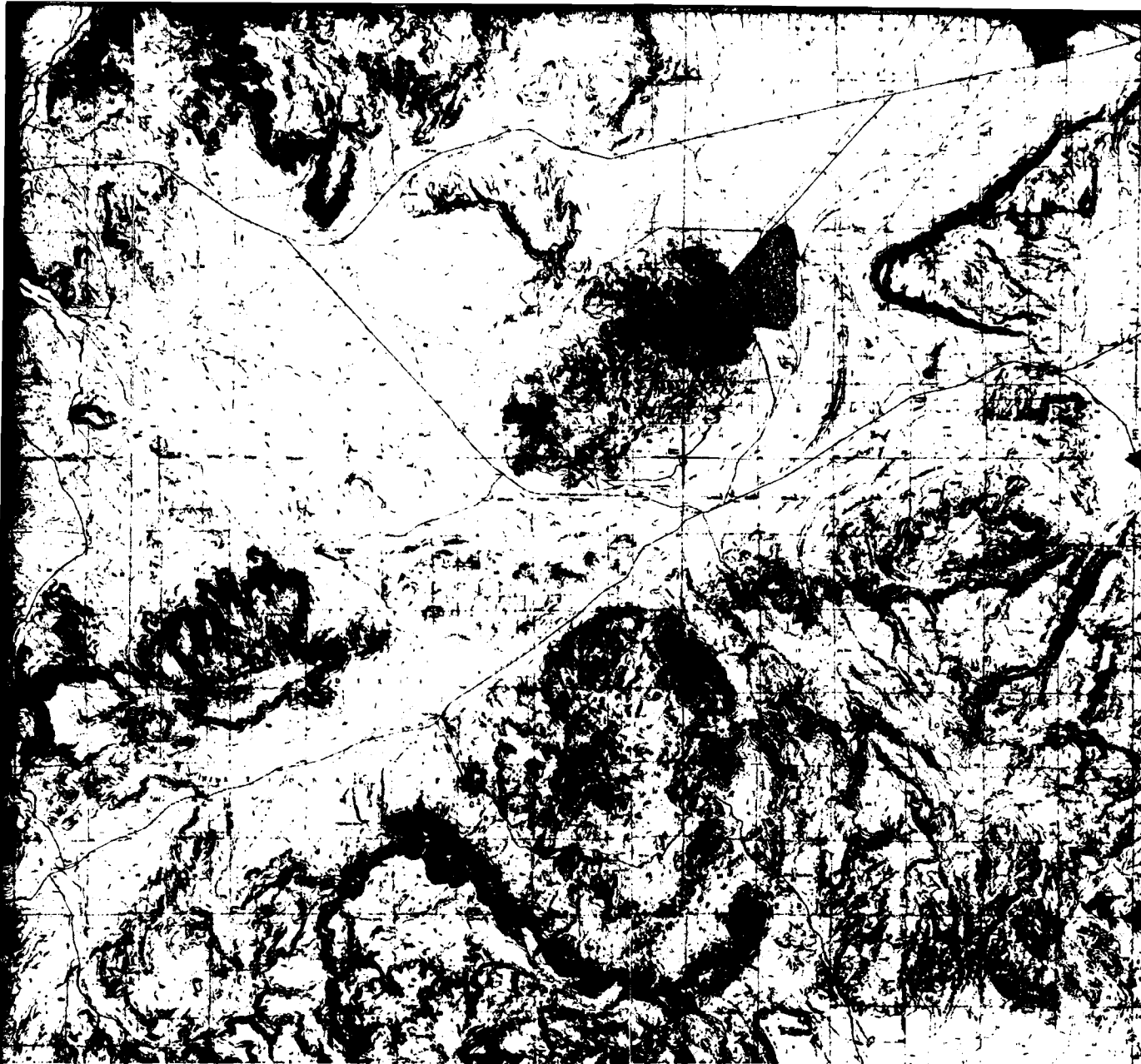
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS



SEE DRAWING
57

T36S

T37S

37° 10' 00" N

SW 113° 30' 00" W

R14W

R13W

113° 15' 00" W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: IRON, WASHINGTON	STATE ROADS: HWY 56, 18
LOCAL COMMUNITY: NEWCASTLE, BERYL	FEDERAL ROADS: NONE
MODENA, ENTERPRISE	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	<p>OPTION J BERYL</p> <p>MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA, UTAH</p>
DRAWN BY <i>P. Whelan</i>	<i>7/1/68</i>	
CHECKED BY <i>A. Sardis</i>		
GEOLOGICAL <i>W. J. ...</i>	<i>7/1/68</i>	
SITING <i>W. J. ...</i>	<i>7/1/68</i>	
ENVIRONMENTAL		
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE	APPROVED BY	DRAWING NUMBER	REV
REVISIONS					USAF BALLISTIC MISSILE OFFICE	48	
					SHEET	OF	

114°00'00"W

R19W

R18W

113

38°15'00"N

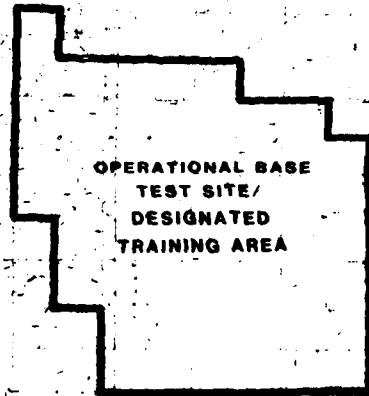
T30S

T31S

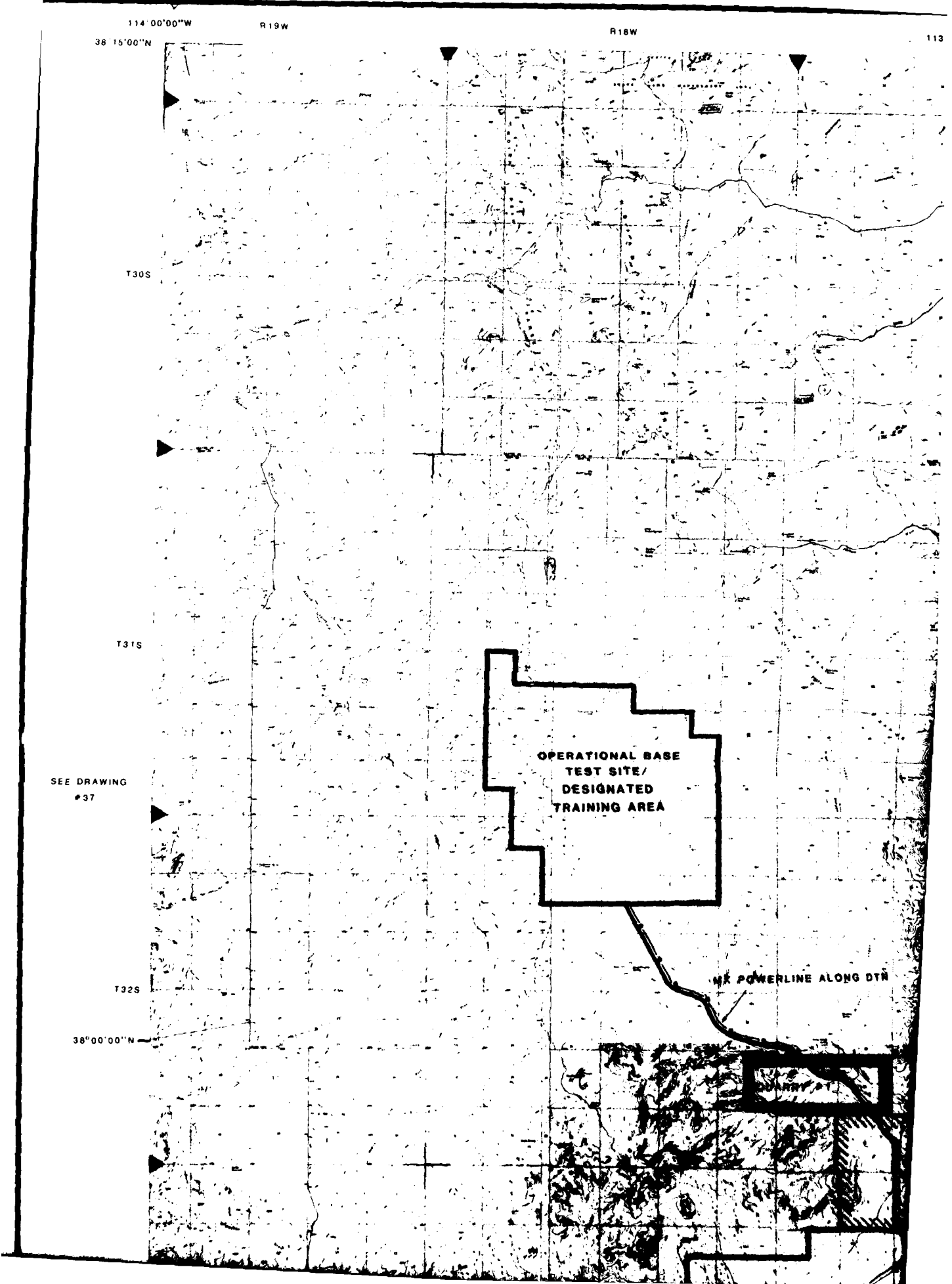
SEE DRAWING
#37

T32S

38°00'00"N



PK POWERLINE ALONG DTM

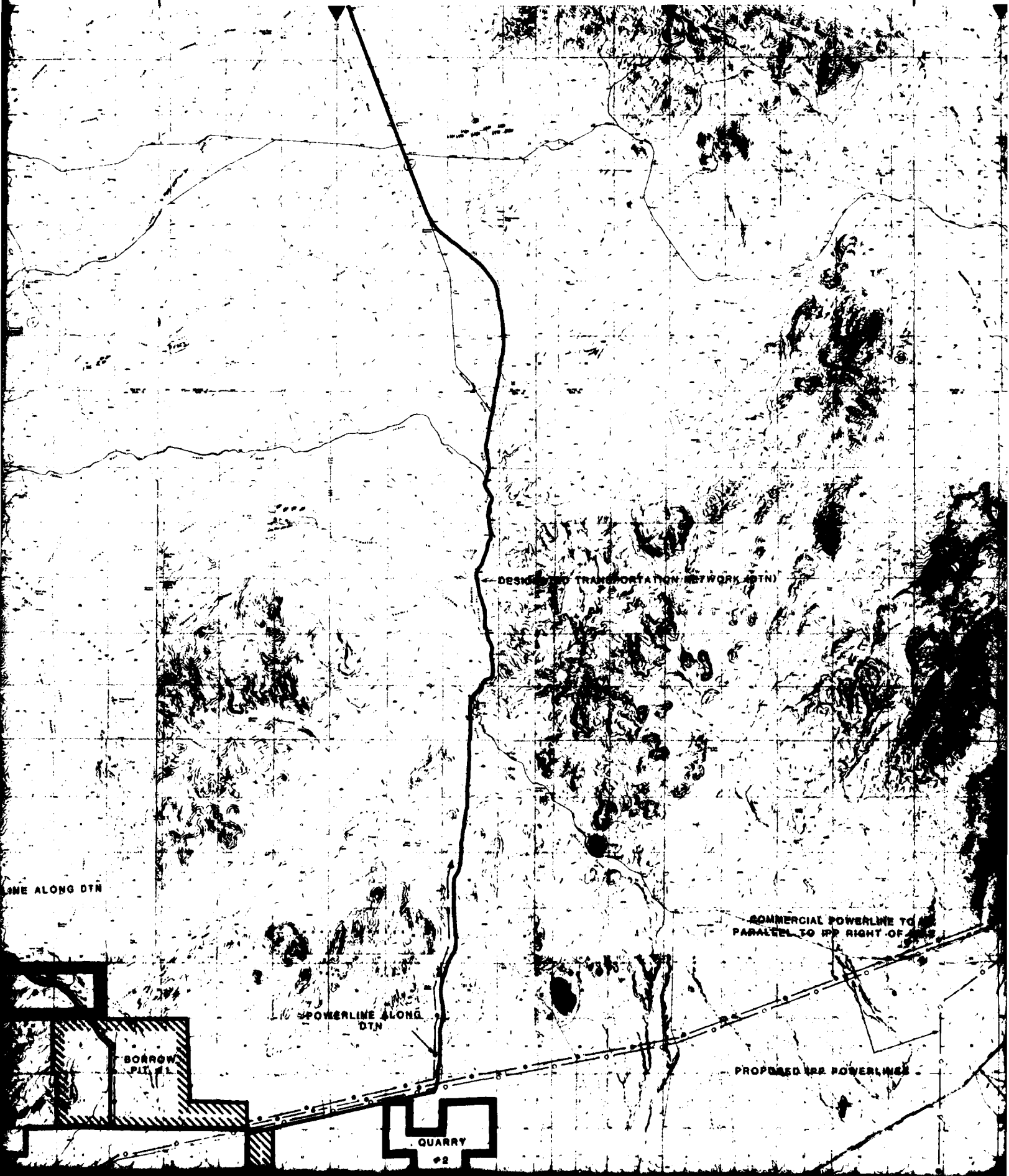


R17W
113 45 00"W

R16W

SEE DRAWING #46

R15W
113 30 00"W



DESIGNED TRANSPORTATION NETWORK (DTN)

LINE ALONG DTN

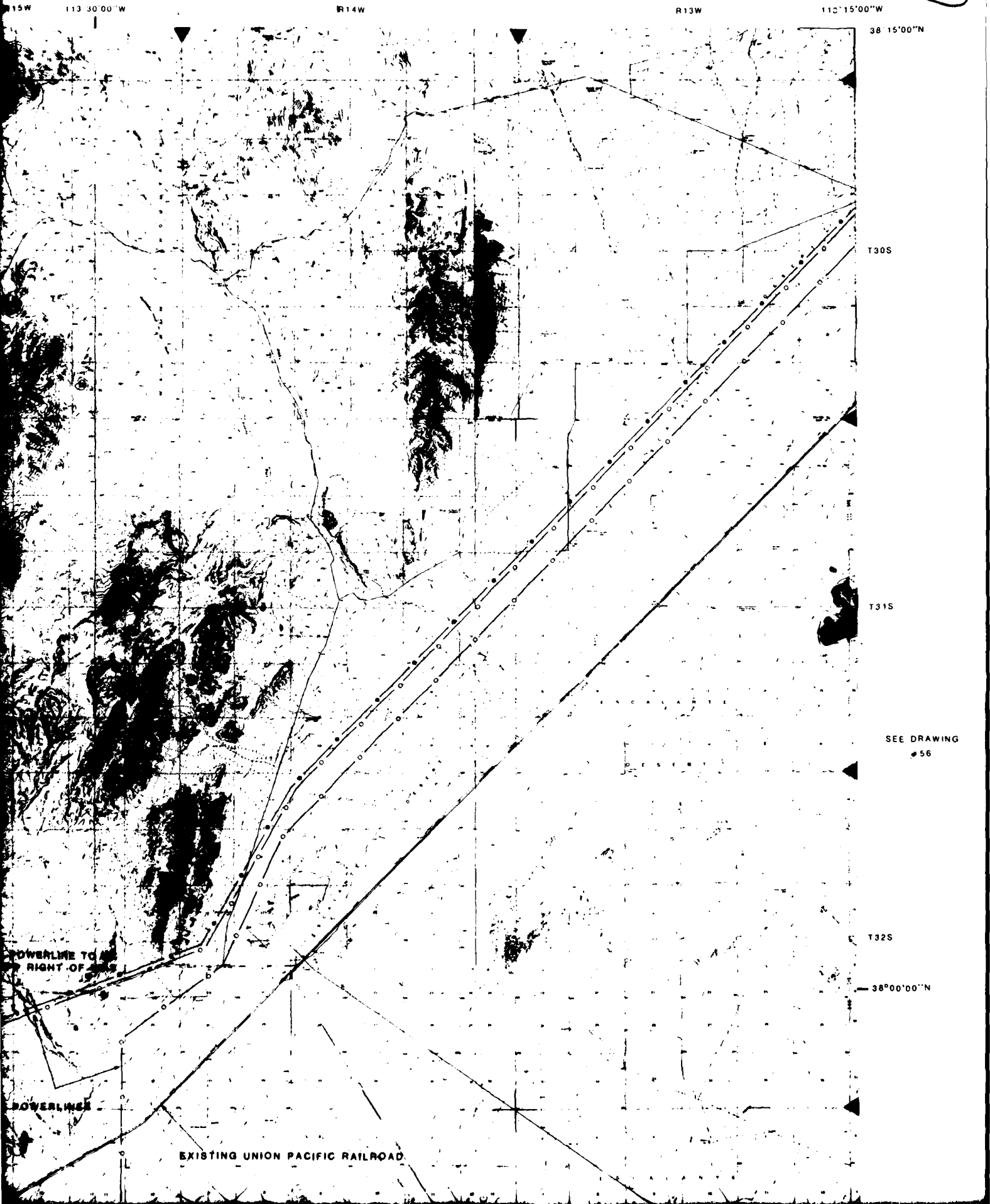
POWERLINE ALONG DTN

BORROW PIT #1

QUARRY #2

COMMERCIAL POWERLINE TO BE PARALLEL TO RPP RIGHT-OF-WAY

PROPOSED IRR POWERLINES



POWERLINE TO
RIGHT OF WAY

POWERLINE

EXISTING UNION PACIFIC RAILROAD

38°15'00\"/>

T30S

T31S

SEE DRAWING
#56

T32S

38°00'00\"/>

SEE DRAWING
#37

T32S

38°00'00"N

T33S

37°02'30"N

114°00'00"W

R18W

R18W

11E

OPERATIONAL BASE
TEST SITE/
DESIGNATED
TRAINING AREA

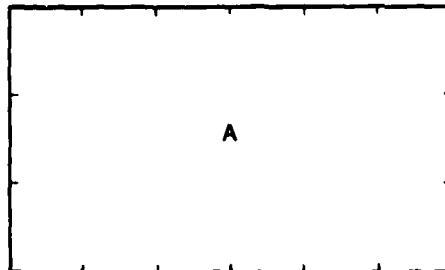
MX POWERLINE ALONG DTN

QUARRY PIT

MAIN OPERA
DESIGNATED AS

BORROW PIT. #2

BASE MAP SOURCE INSET

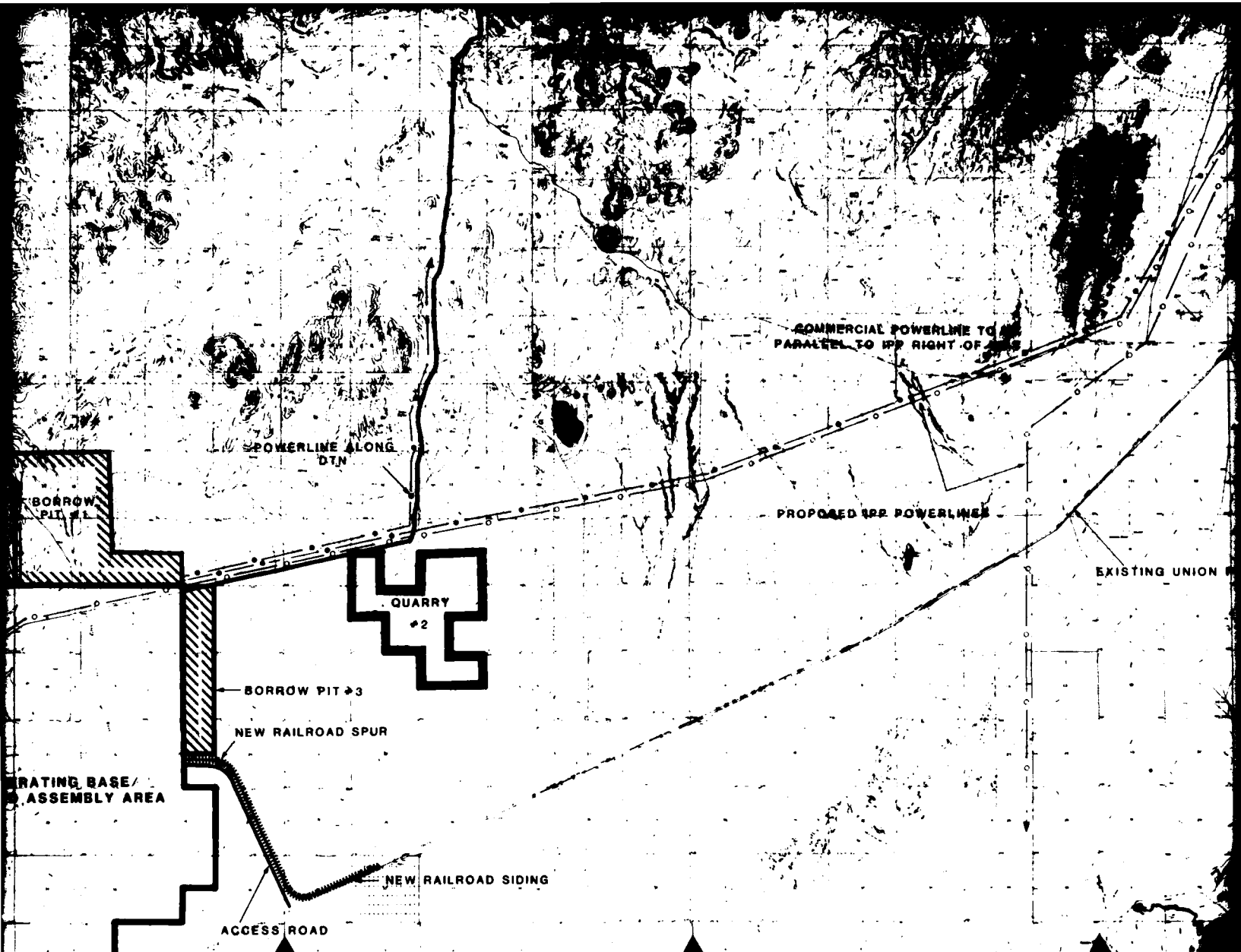


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

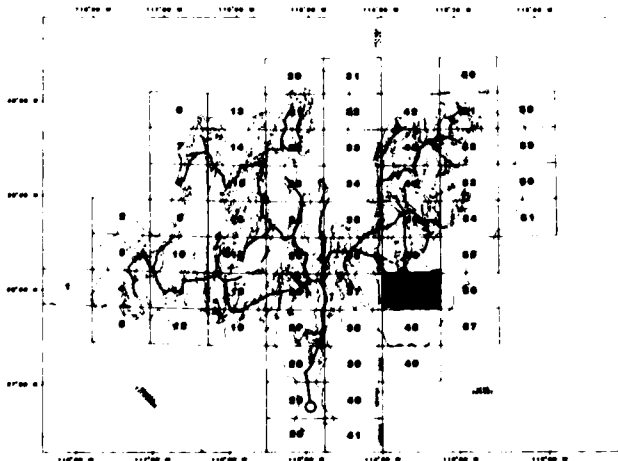
D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



113°45'00" W R17W R16W R15W 113°30'00" W

SEE DRAWING #48

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500

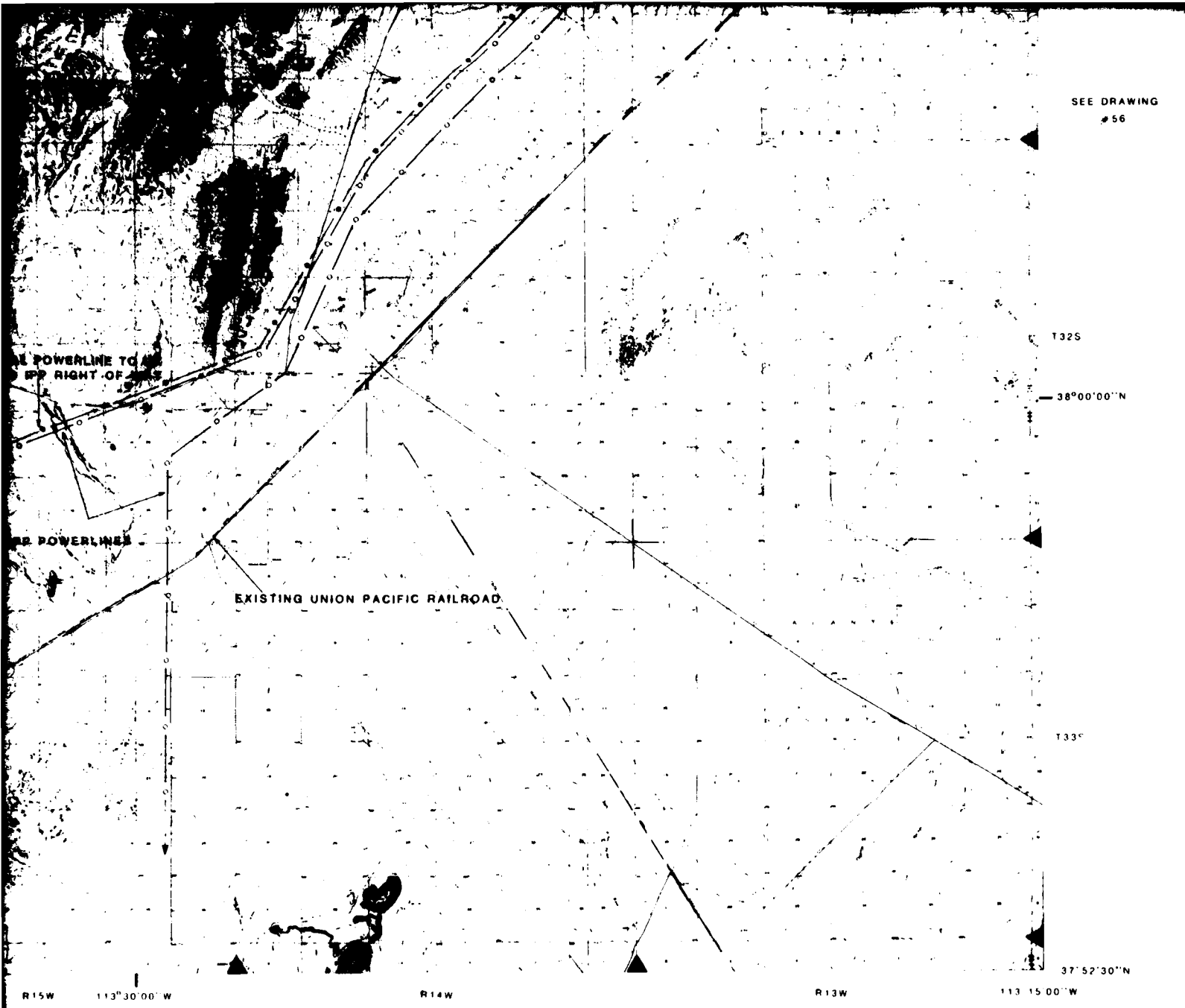


NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	1958	REVISED-REDESIGNED, CHANGED-BORROW PIT #3

REVISION

SEE DRAWING #56



R15W 113°30'00\"/>

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 10
LOCAL COMMUNITY: LUND, BERVL	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE		DATE	OPTION K BERVL MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA UTAH
DRAWN BY <i>[Signature]</i>		DATE	
CHECKED BY <i>[Signature]</i>		DATE	
GEOTECHNICAL <i>[Signature]</i>		DATE	
SYSTEMS ENGINEER <i>[Signature]</i>		DATE	
APPROVED BY		DATE	
CORPS OF ENGINEERS			
AIR FORCE REGIONAL CIVIL ENGINEER - MX			
DRAWING NUMBER 47			
USAF BALLISTIC MISSILE OFFICE		SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

114 00'00" W

R19W

R18W

R17

113 45'00" E

17 50 30' N

1145

17 45 00" N

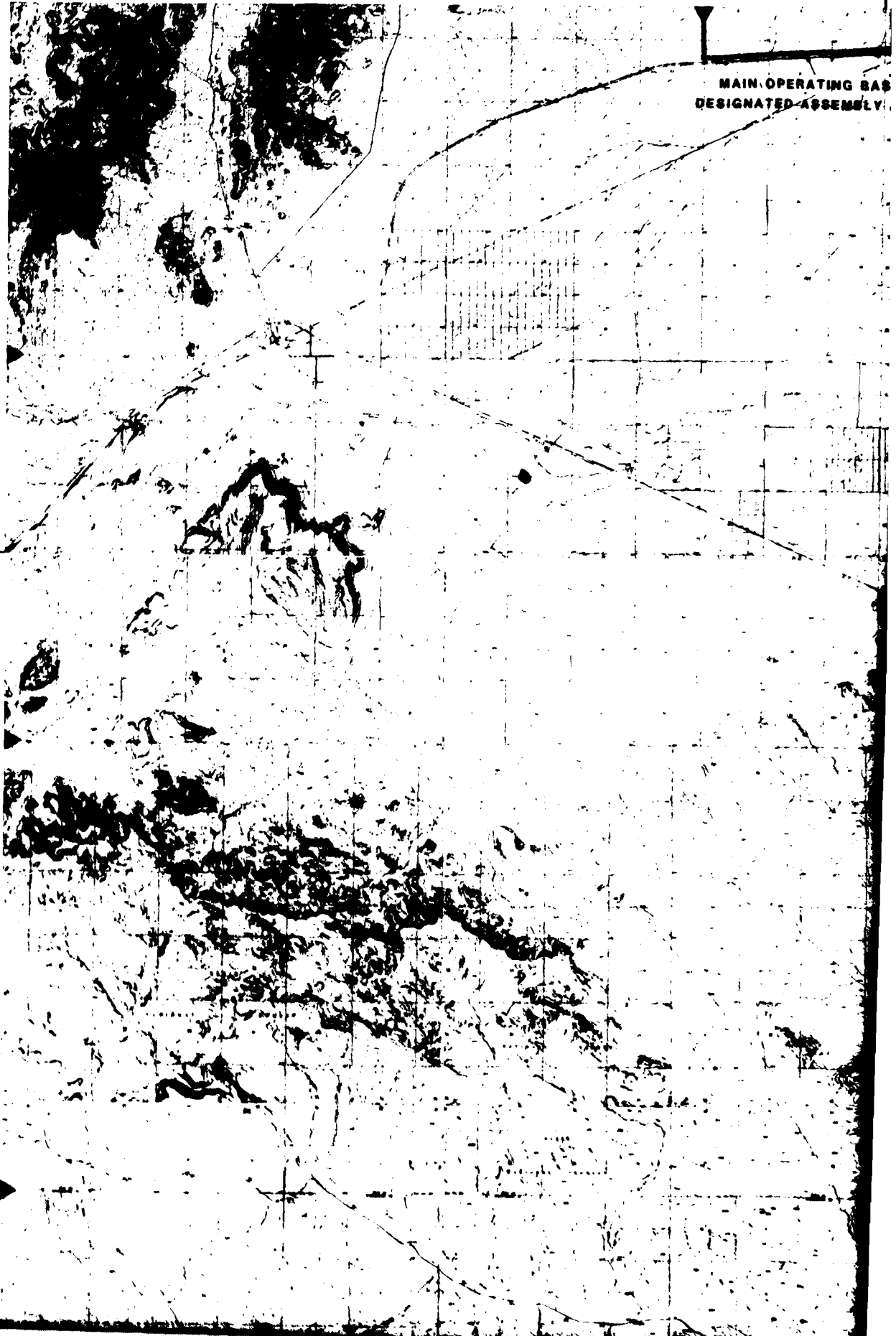
1155

SEE DRAWING

10

1165

MAIN OPERATING BAS
DESIGNATED ASSEMBLY



R17W
113°45'00"W

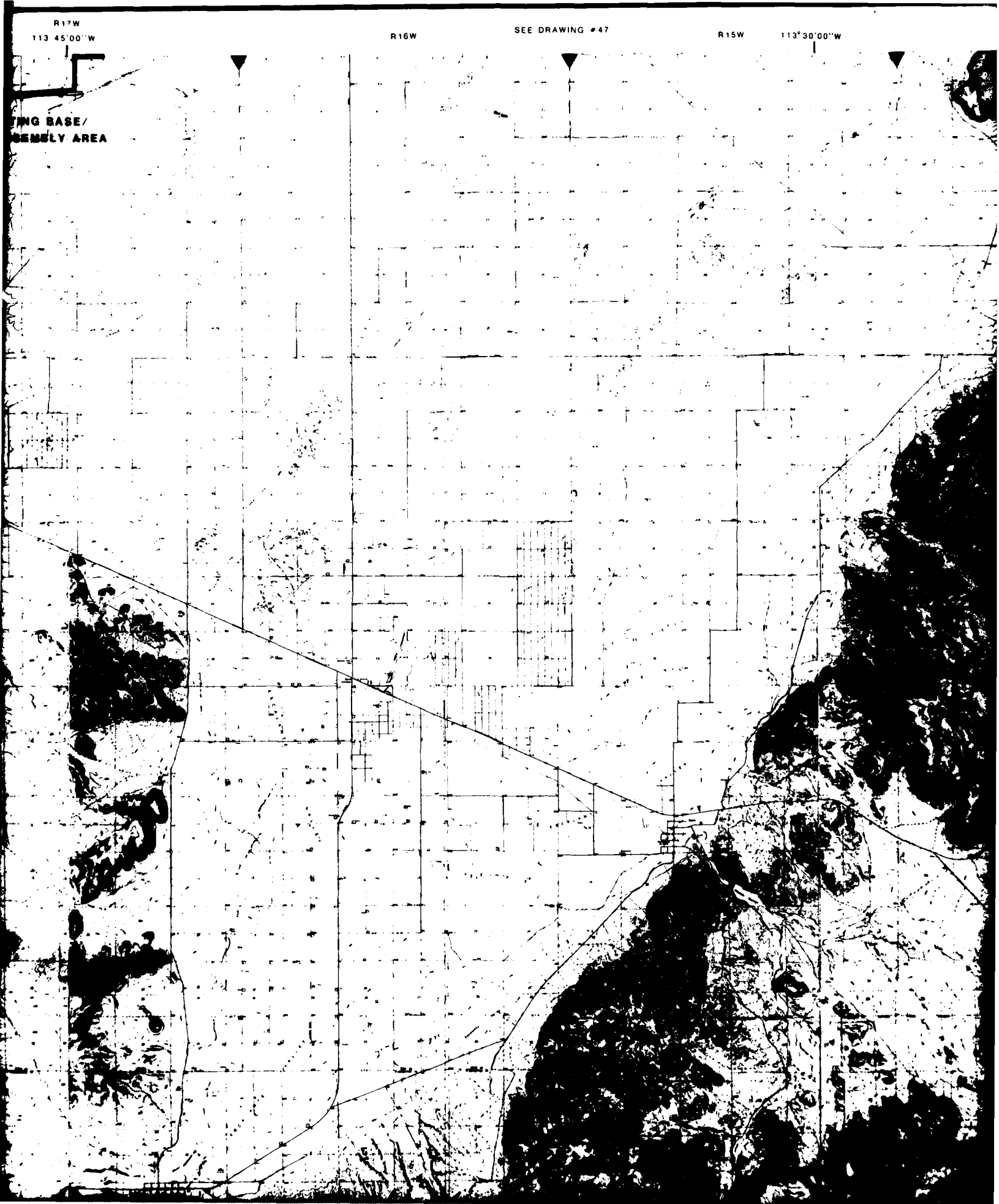
R16W

SEE DRAWING #47

R15W

113°30'00"W

TING BASE/
SEMBLY AREA



R15W

113°30'00"W

R14W

R13W

113°15'00"W

37°52'30"N

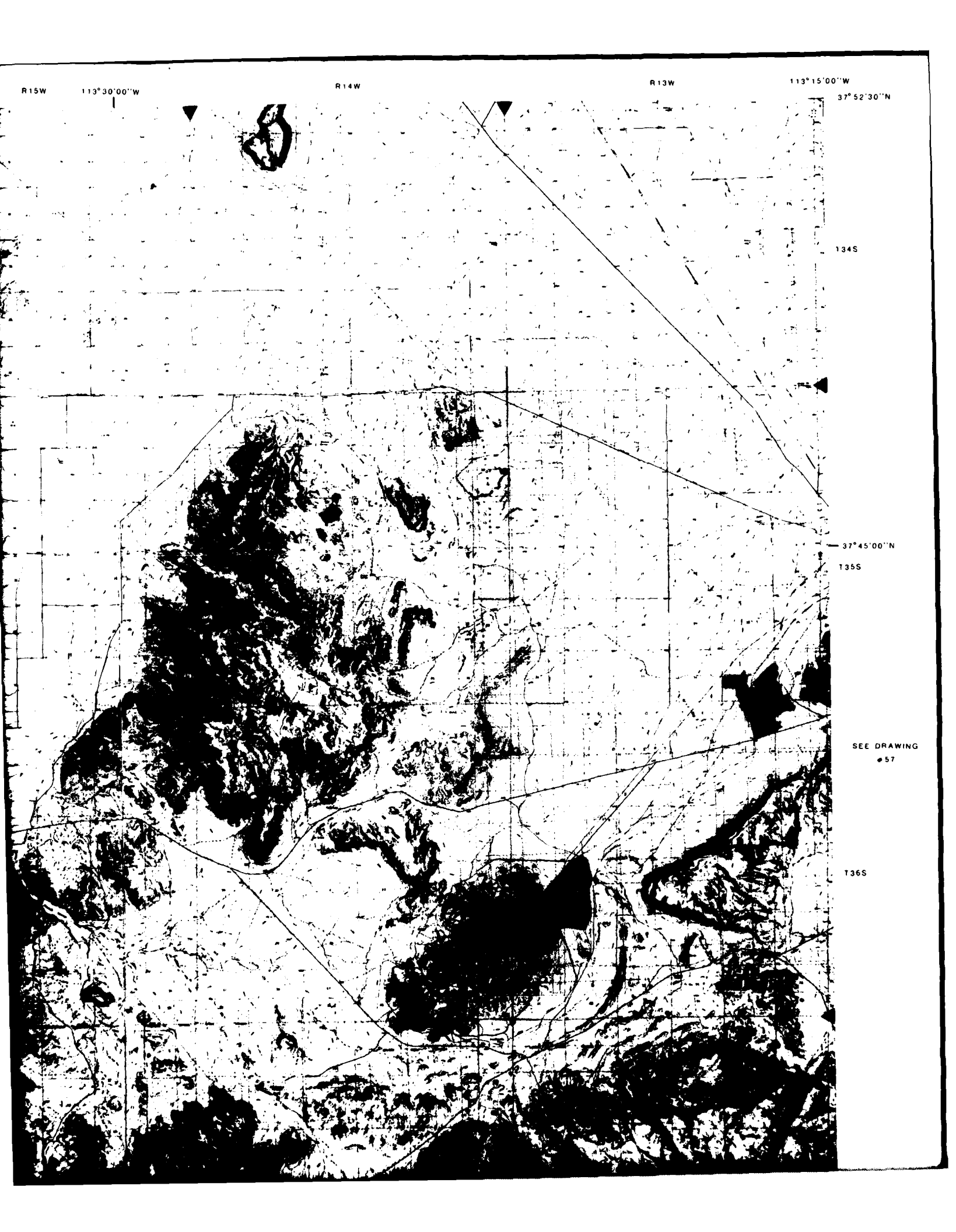
T34S

37°45'00"N

T35S

SEE DRAWING
#57

T36S



SEE DRAWING
#38

T36S

T37S

T38S

37° 30' 00" N

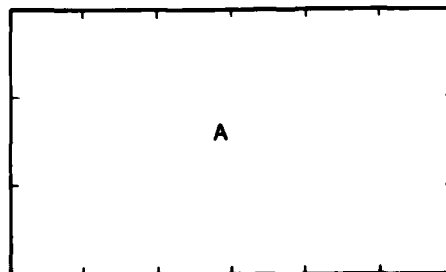
114° 00' 00" W

R19W

R18W

11

BASE MAP SOURCE INSET

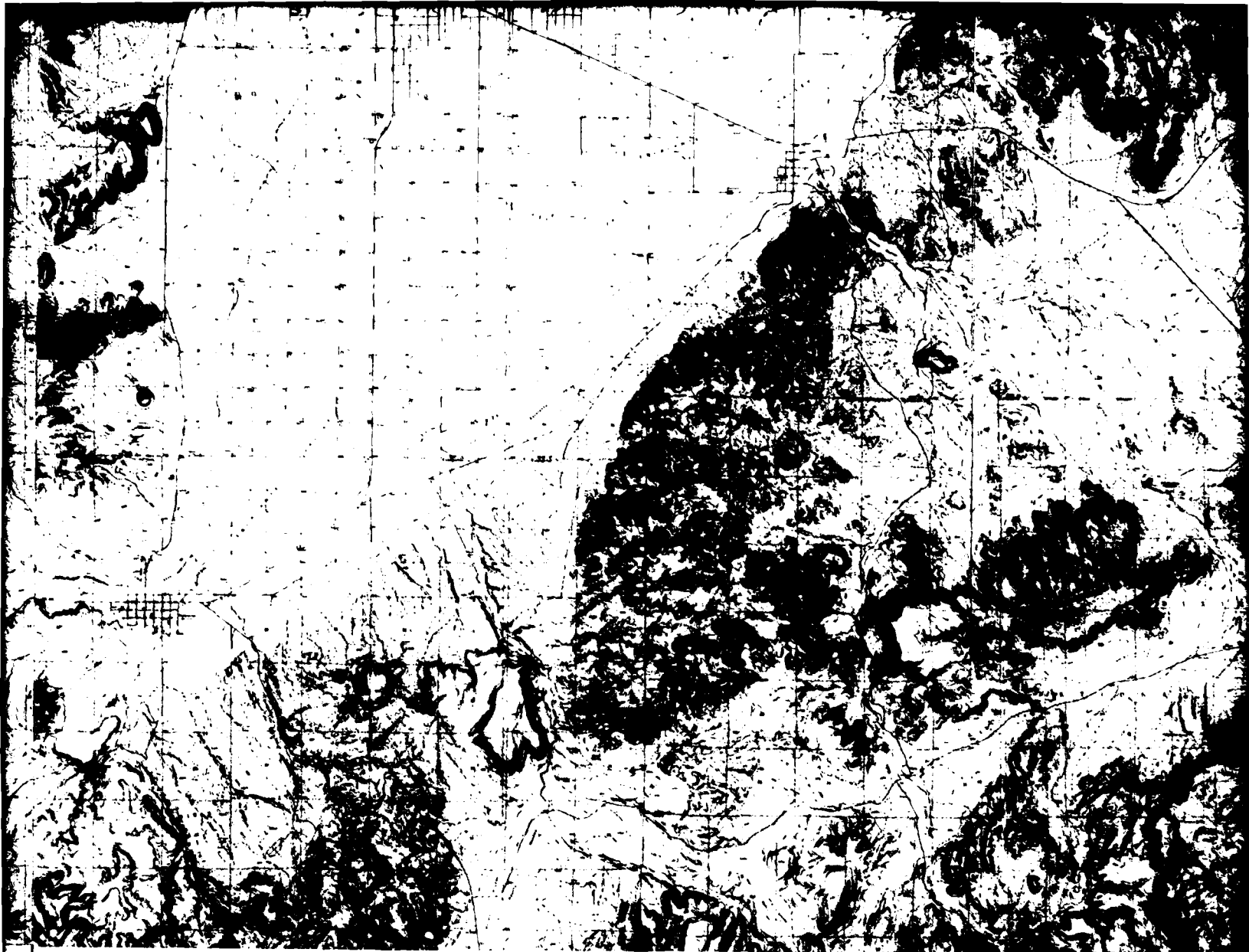


A. 7½ MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500

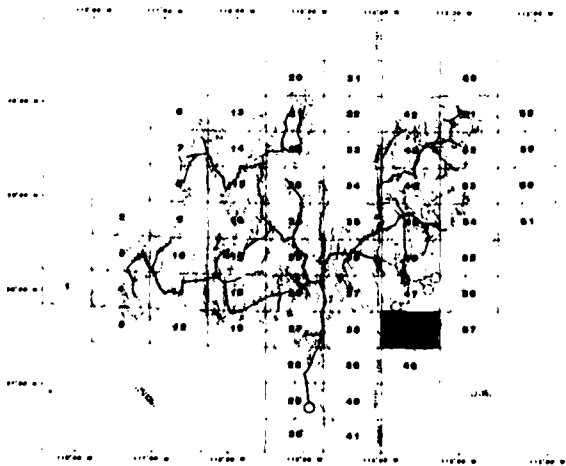


45°00'W R16W R15W 113°30'00"W

R17W

SEE DRAWING #49

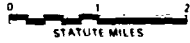
MAP SHEET LOCATION



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS

T36S

T37S

T38S

37°30'00" N

SW 113°30'00"W

R14W

R13W

113°15'00"W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: IRON, WASHINGTON	STATE ROADS: HWY 56, 18
LOCAL COMMUNITY: NEWCASTLE, BERYL, MODENA, ENTERPRISE	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION K BERYL MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA (UTAH)
DRAWN BY <i>Brown</i>	4/17/81	
CHECKED BY <i>A. Sardis</i>		
GEOTECHNICAL <i>Stacy Mason</i>	4/17/81	
SIGNATURE <i>R. Snyder</i>	4/17/81	
ENVIRONMENTAL		
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

APPROVED BY	DRAWING NUMBER 48	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

6

114° 00' 00" W
38° 15' 00" N

R 19 W

R 18 W

R 17 W
113° 45' 00" W

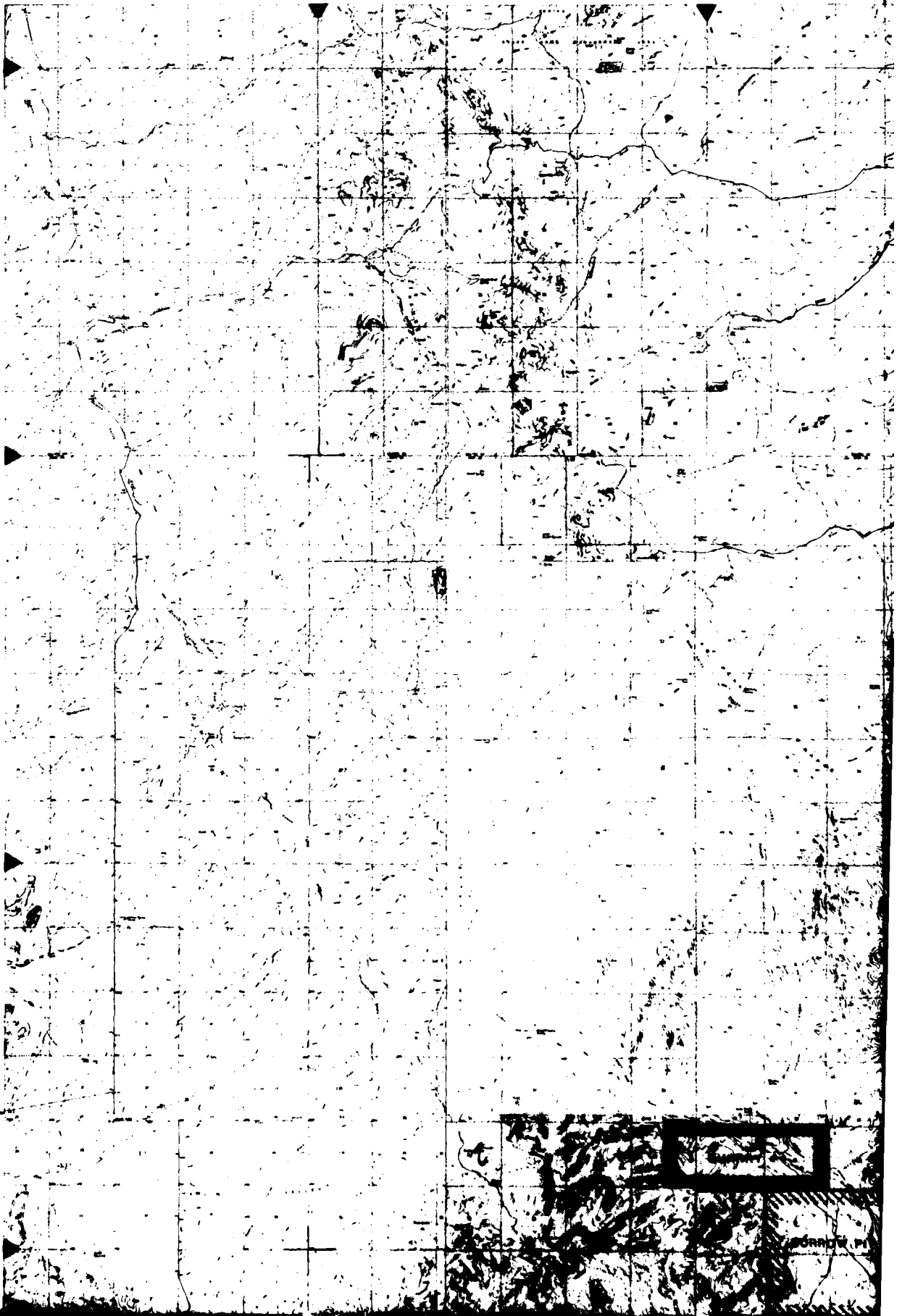
T 30 S

T 31 S

SEE DRAWING
37

T 32 S

38° 00' 00" N



WARRIOR PI

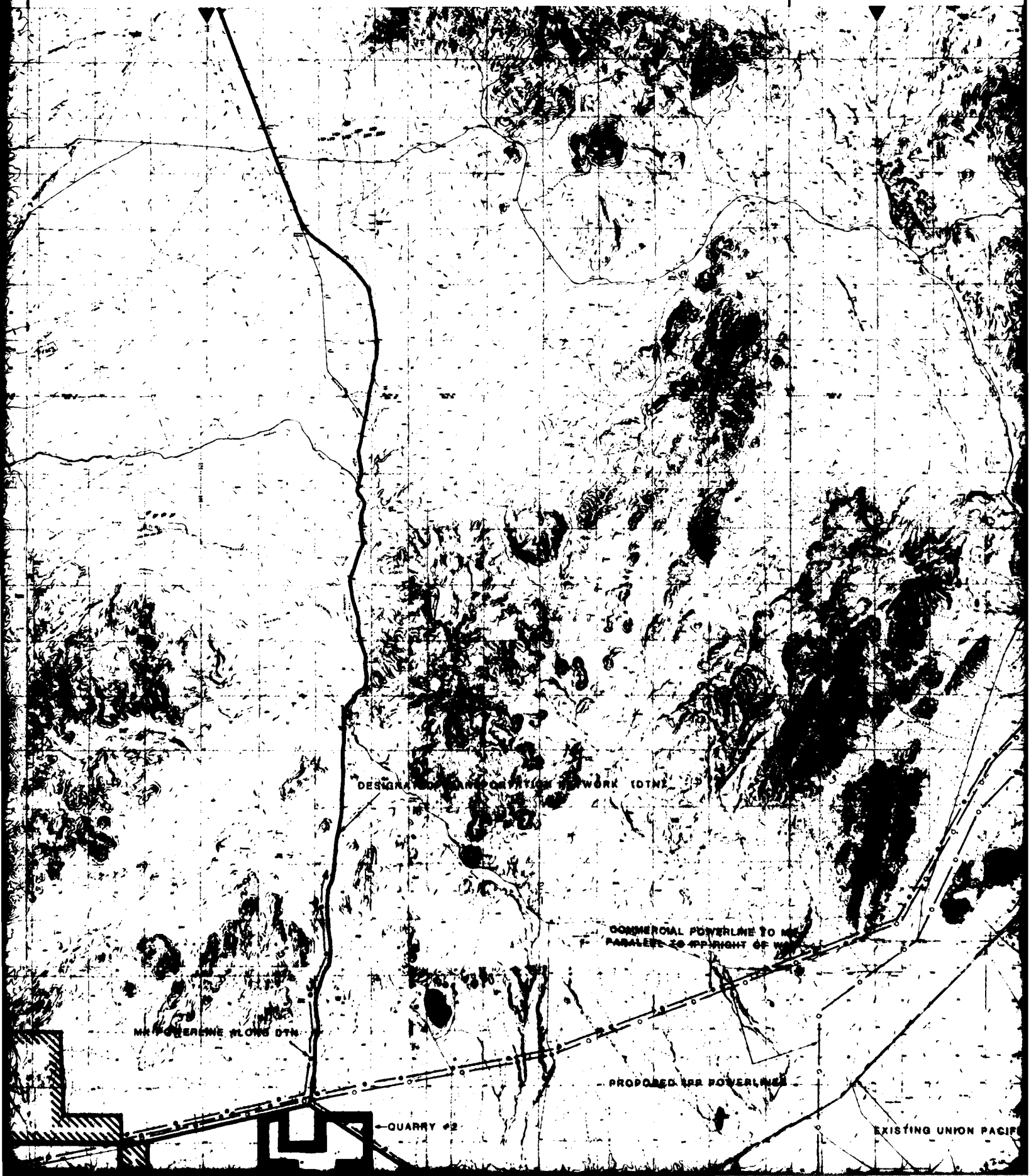
R17W
45°00'W

R16W

SEE DRAWING #46

R15W

113°30'00"W



15W

113°30'00"W

R14W

R13W

113°15'00"W

38°15'00"N

T30S

T31S

SEE DRAWING #56

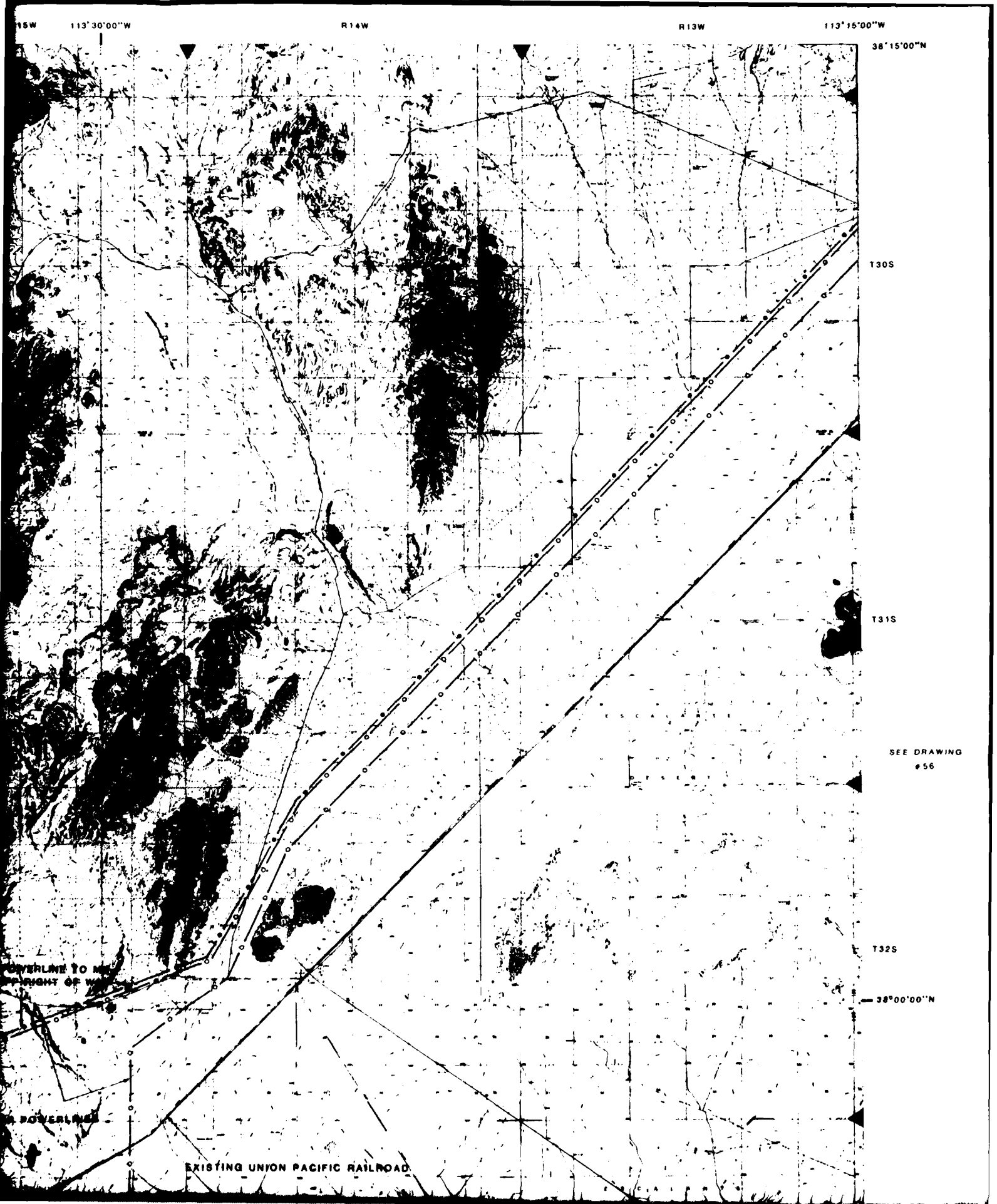
T32S

38°00'00"N

POWERLINE TO THE RIGHT OF WAY

POWERLINE

EXISTING UNION PACIFIC RAILROAD



SEE DRAWING
#37

T32S

38°00'00"N

T33S

37°52'30"N

114°00'00"W

R19W

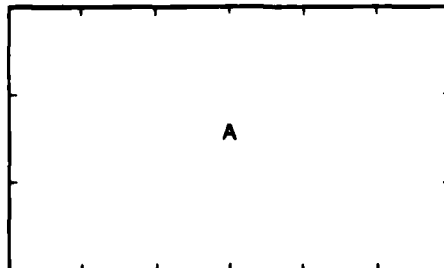
R18W

MAIN OPER
DESIGNATED

BORROW PIT #2

PROPOSED IPP POWERLINE

BASE MAP SOURCE INSET

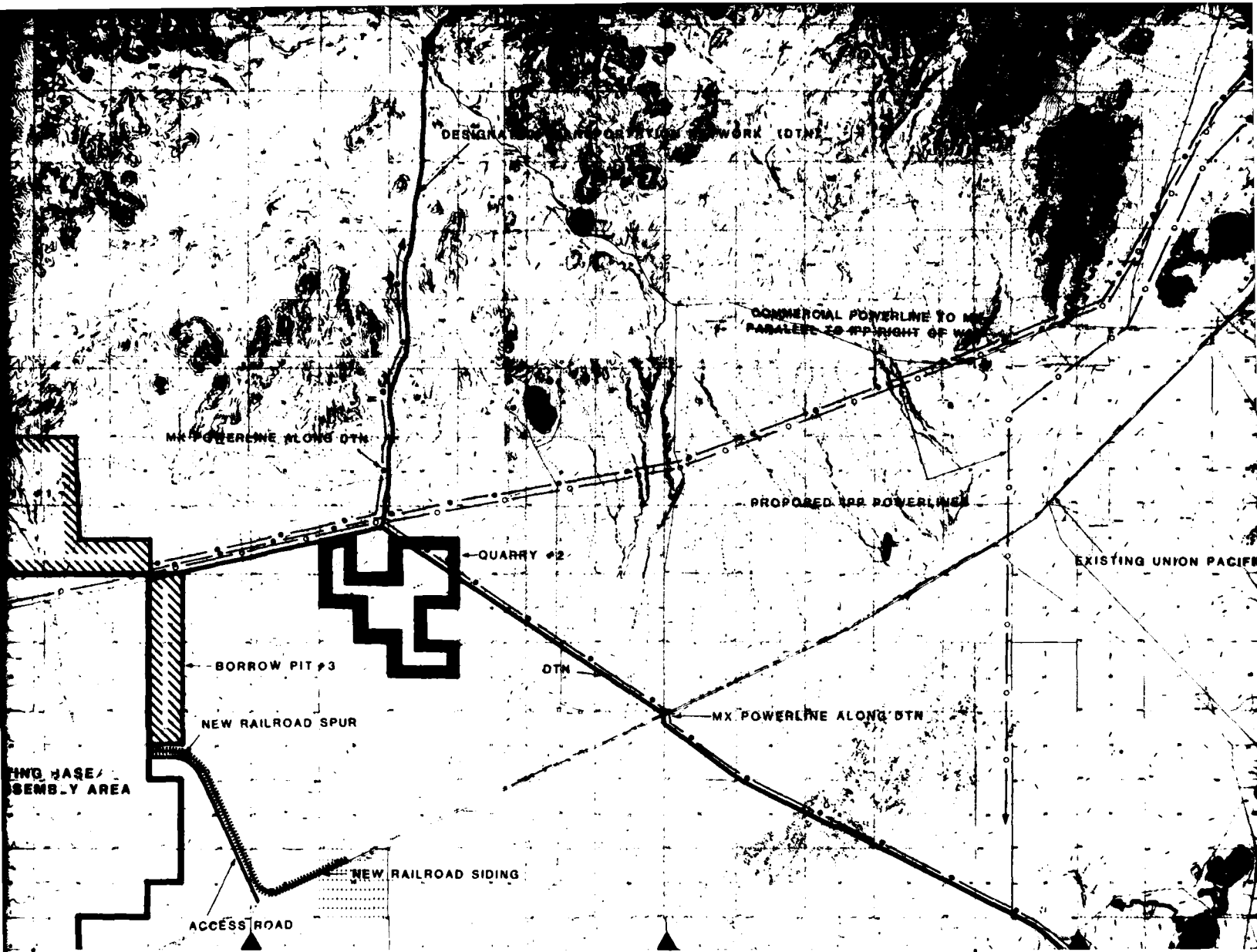


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

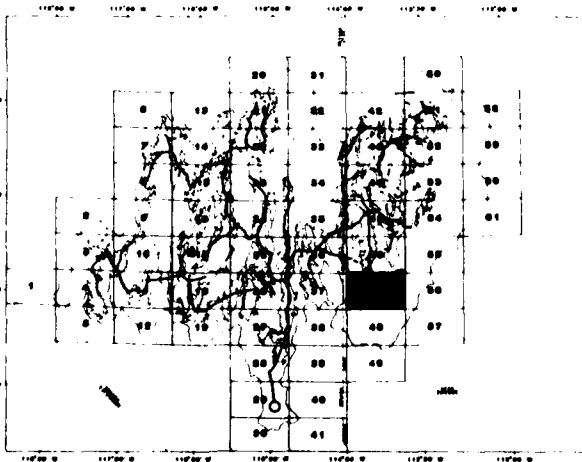
D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



45°00'W R17W R16W R15W 113°30'00"W

MAP SHEET LOCATION

SEE DRAWING #48



SEE SHEET "A" FOR EXPLANATION OF MAP SYMBOLS

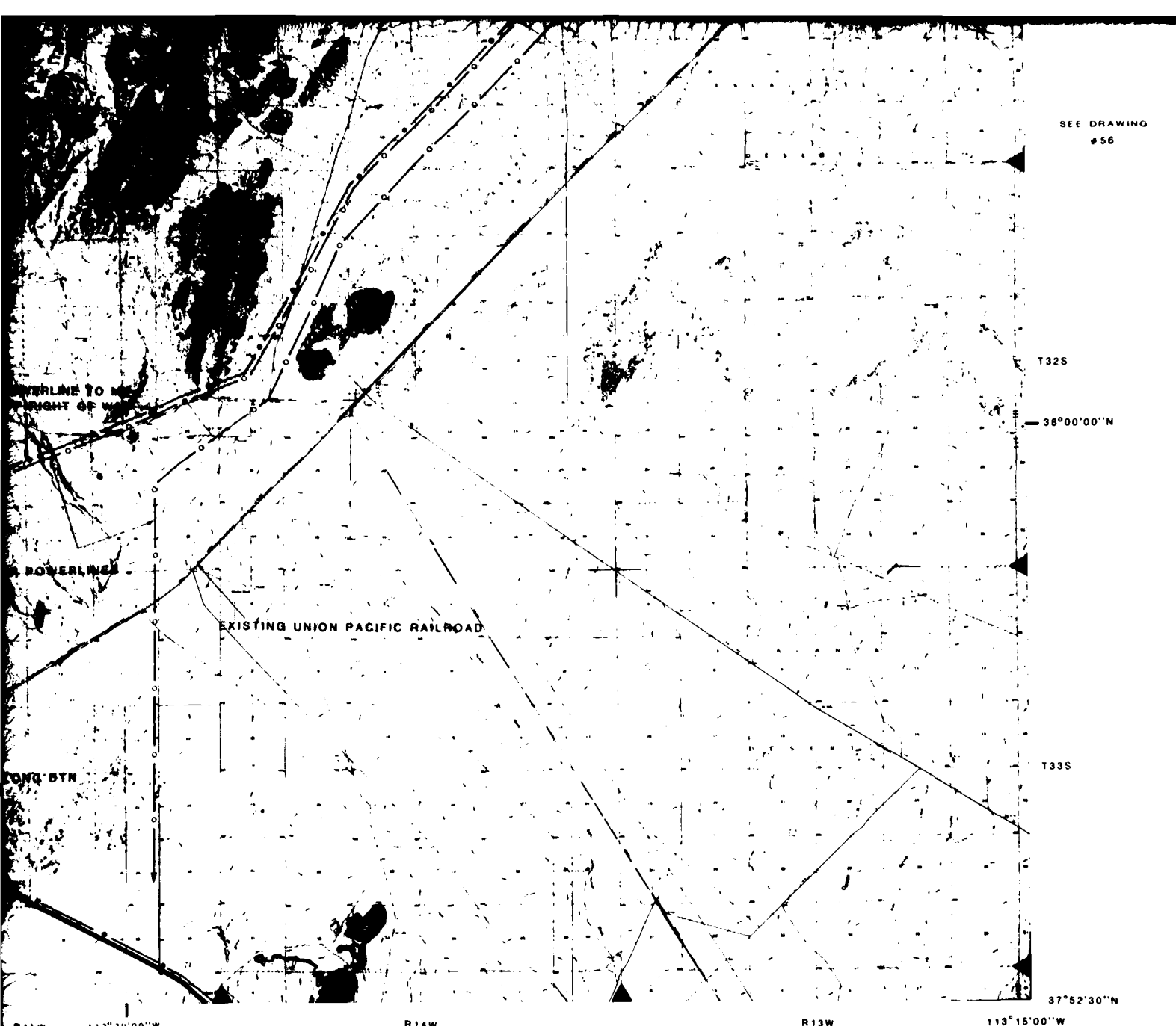
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	1988	CONSTRUCTION RELATED-DRAWING No. 0
REVISION	DATE	DESCRIPTION
REVISIONS		

SEE DRAWING #56



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: BEAVER, IRON	STATE ROADS: HWY 89
LOCAL COMMUNITY: LUND, BERYL	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	OPTION L PERYL MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY <i>R. Smith</i>	9/1/81	
CHECKED BY <i>C. [unclear]</i>	9/1/81	
GEOTECHNICAL <i>[Signature]</i> ENVIRONMENTAL <i>[Signature]</i>	9/1/81	
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	
APPROVED BY	DRAWING NUMBER: 47	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	9/1/81		<i>[Signature]</i>	9/1/81

REVISIONS

6

114° 00' 00" W

R19W

R18W

R17W
113 45' 00"

37° 52' 30" N

T34S

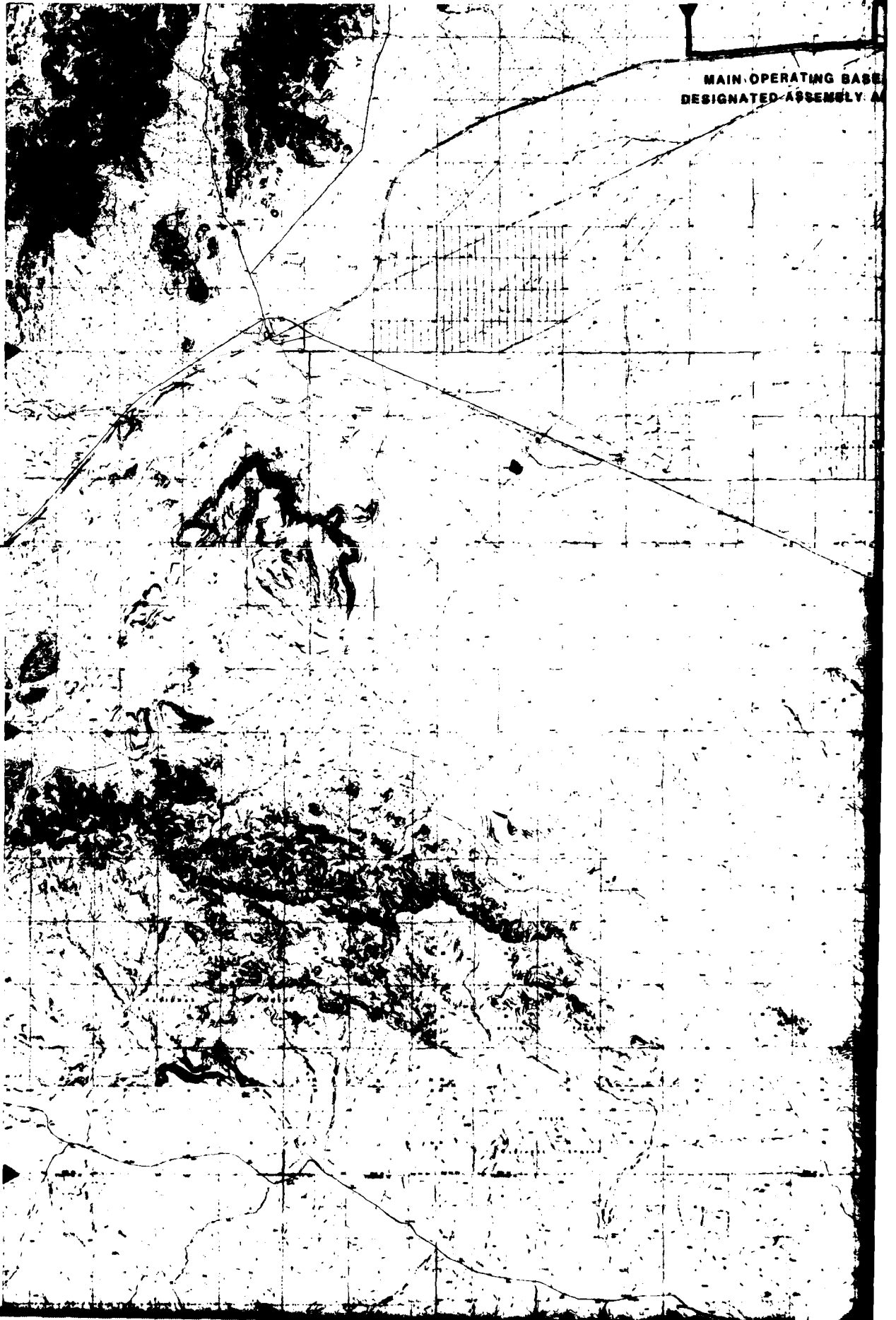
37° 45' 00" N

T35S

SEE DRAWING
#38

T36S

MAIN OPERATING BASE
DESIGNATED ASSEMBLY A



R17W
113°45'00" W

R16W

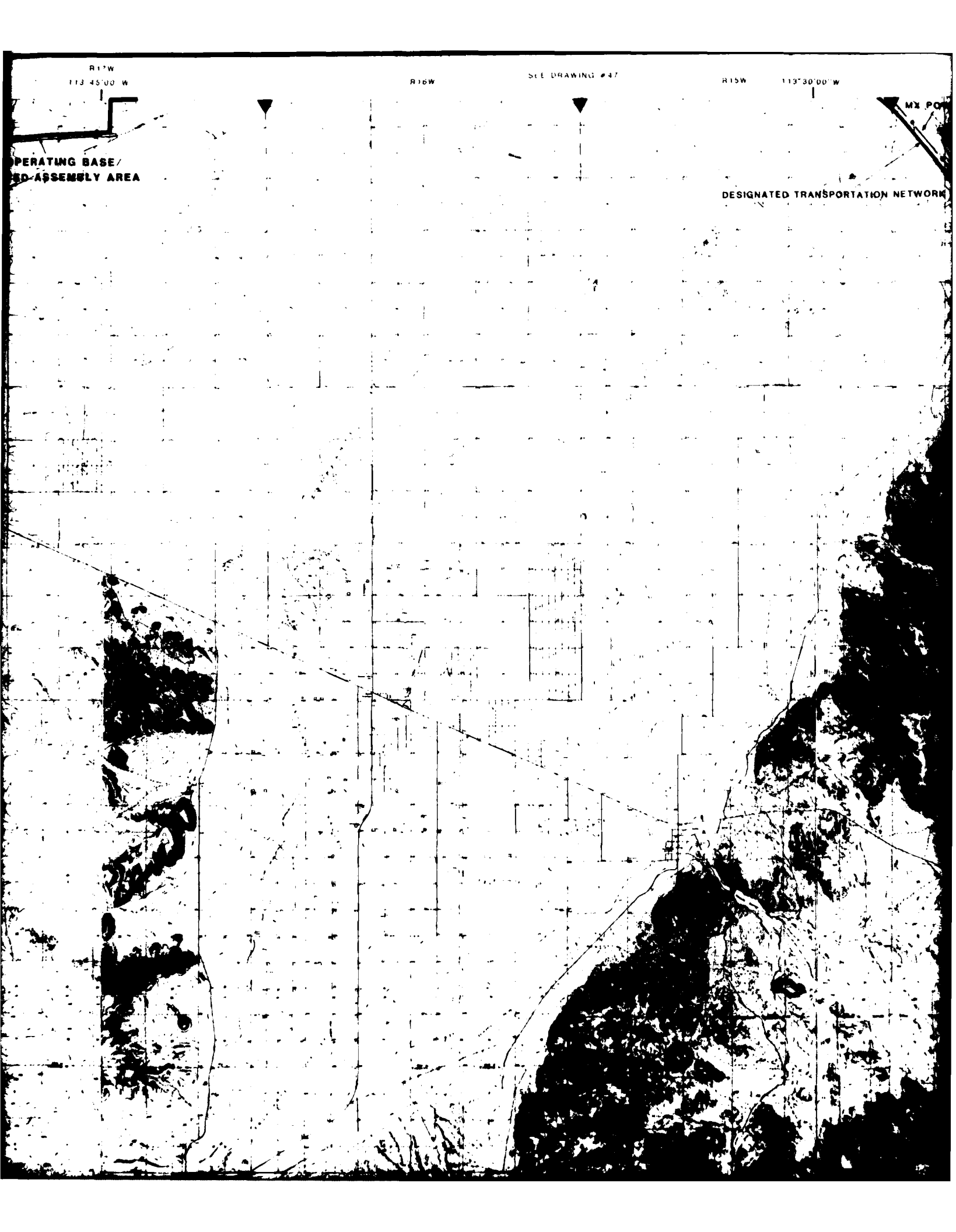
SEE DRAWING #47

R15W
113°30'00" W

MX PO

OPERATING BASE/
FIELD ASSEMBLY AREA

DESIGNATED TRANSPORTATION NETWORK



R15W

113°30'00"W

R14W

R13W

113°15'00"W

37°52'30"N

MX POWER LINE ALONG DTN

DESIGNATED TRANSPORTATION NETWORK (DTN)

OPERATIONAL BASE
TEST SITE/
DESIGNATED
TRAINING AREA

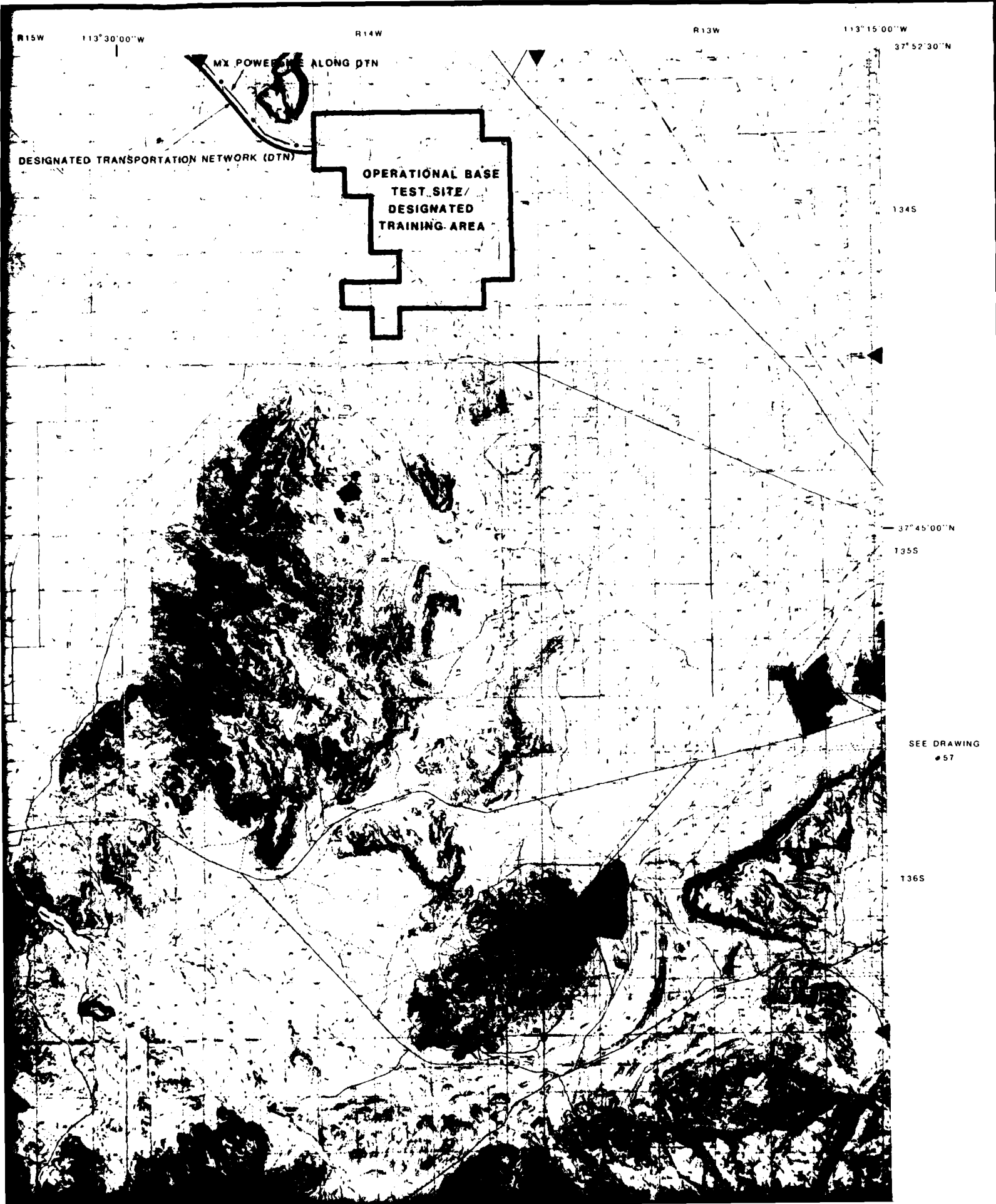
1345

37°45'00"N

1355

SEE DRAWING
57

1365



SEE DRAWING
#38

T36S

T37S

T38S

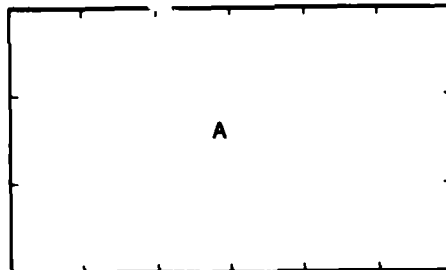
37°30'00"N

114°00'00"W

R19W

R18W

BASE MAP SOURCE INSET

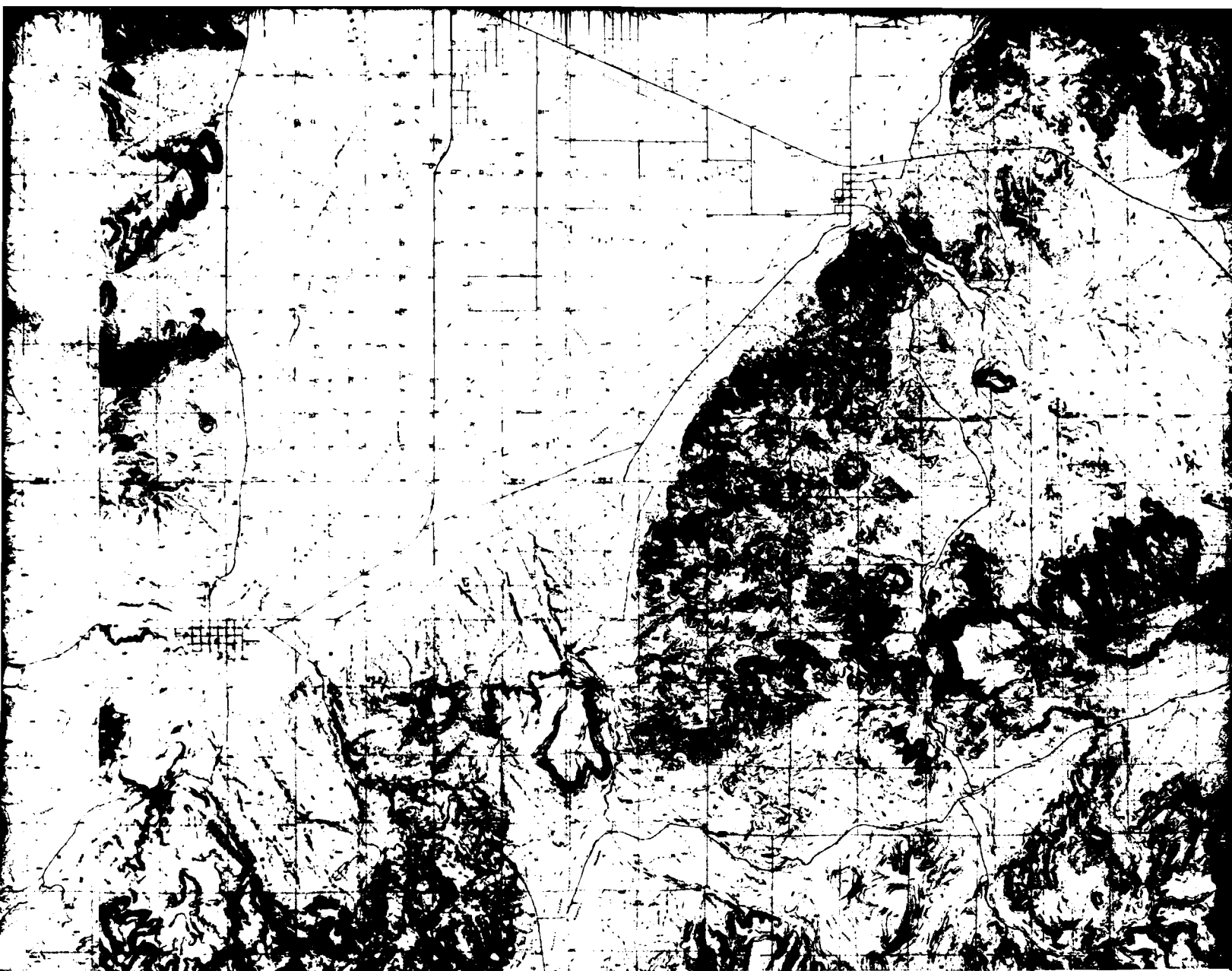


A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE USGS (1:250,000)

D COMPILED BY STEREO PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



113° 45' 00" W
R17W

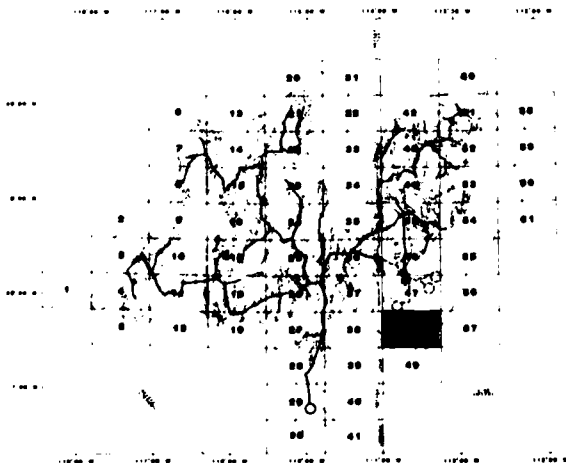
R16W

R15W

113° 30' 00" W

SEE DRAWING # 49

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REV

115°30'00"W

R58E

R59E

115°15'00"

38°15'00"N

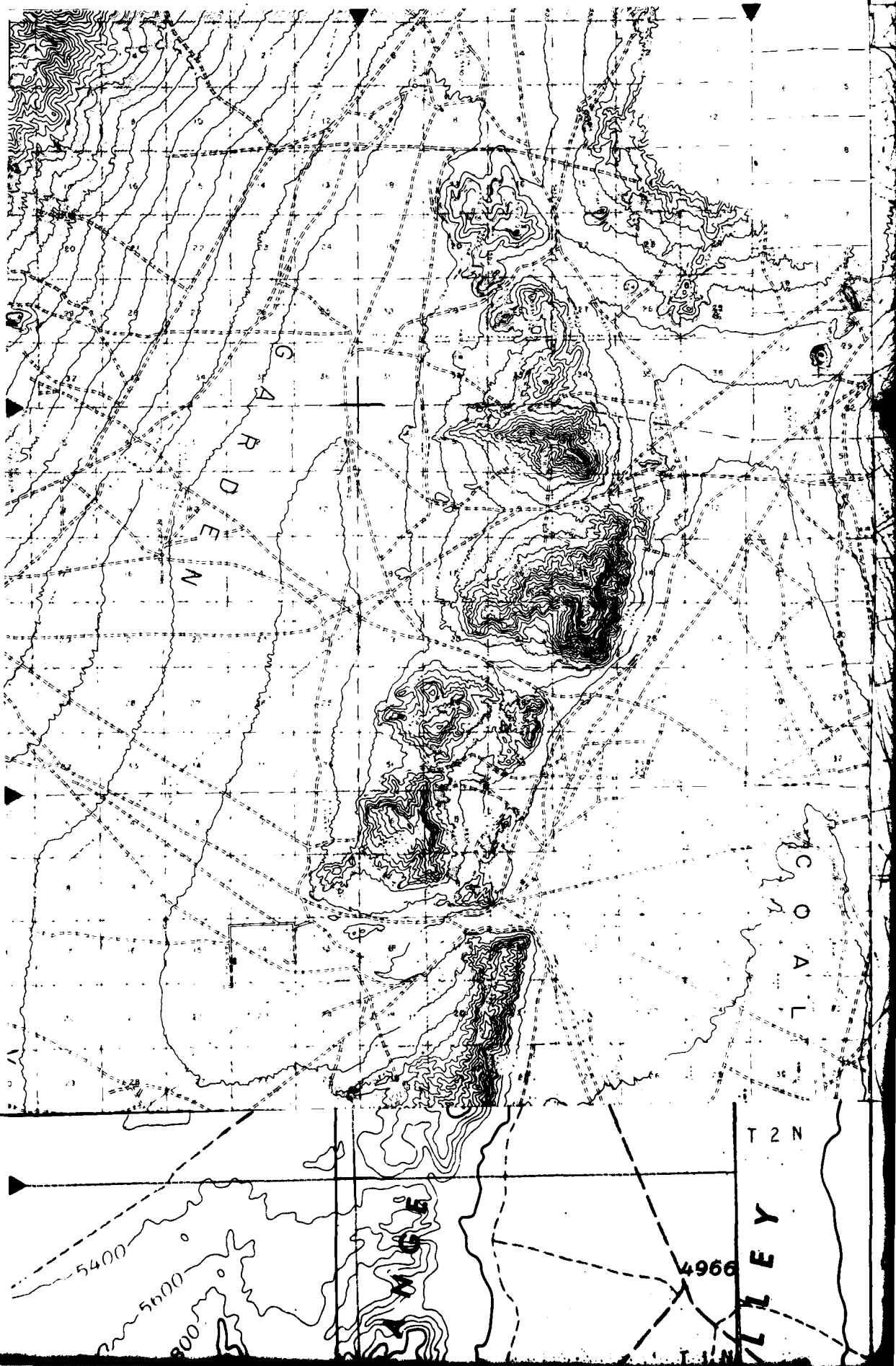
T4N

T3N

SEE DRAWING
18

T2N

38°00'00"N



2

SEE DRAWING #25
R61E

R62E 115°00'00"W

100"W R60E



3

115°00'00"W

R63E

R64E

114°45'00"W

38°15'00"N

T4N

DRY LAKE VALLEY

MATCH TO
MULESHOE VALLEY

TYPICAL CLUSTER ROAD

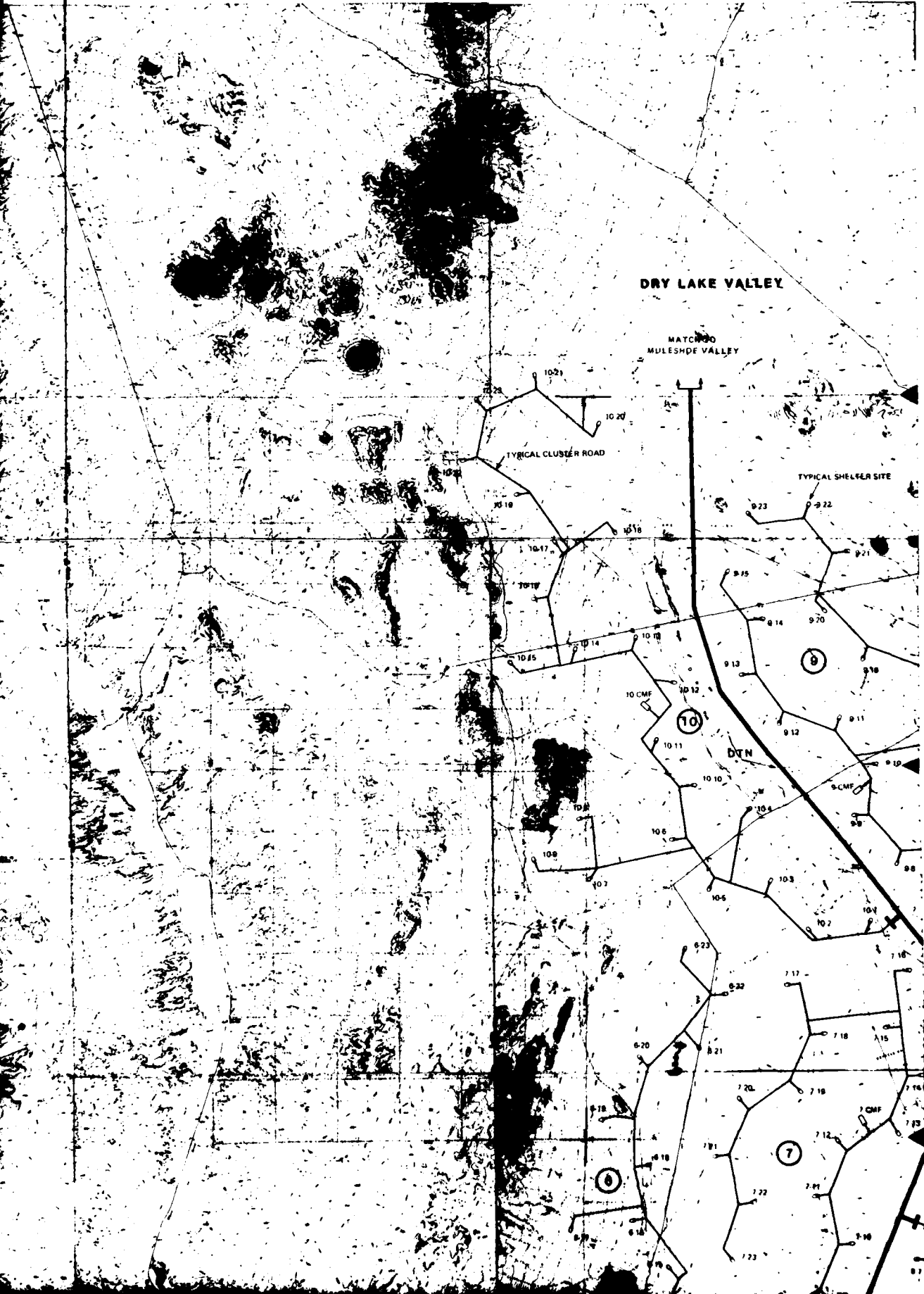
TYPICAL SHELTER SITE

T3N

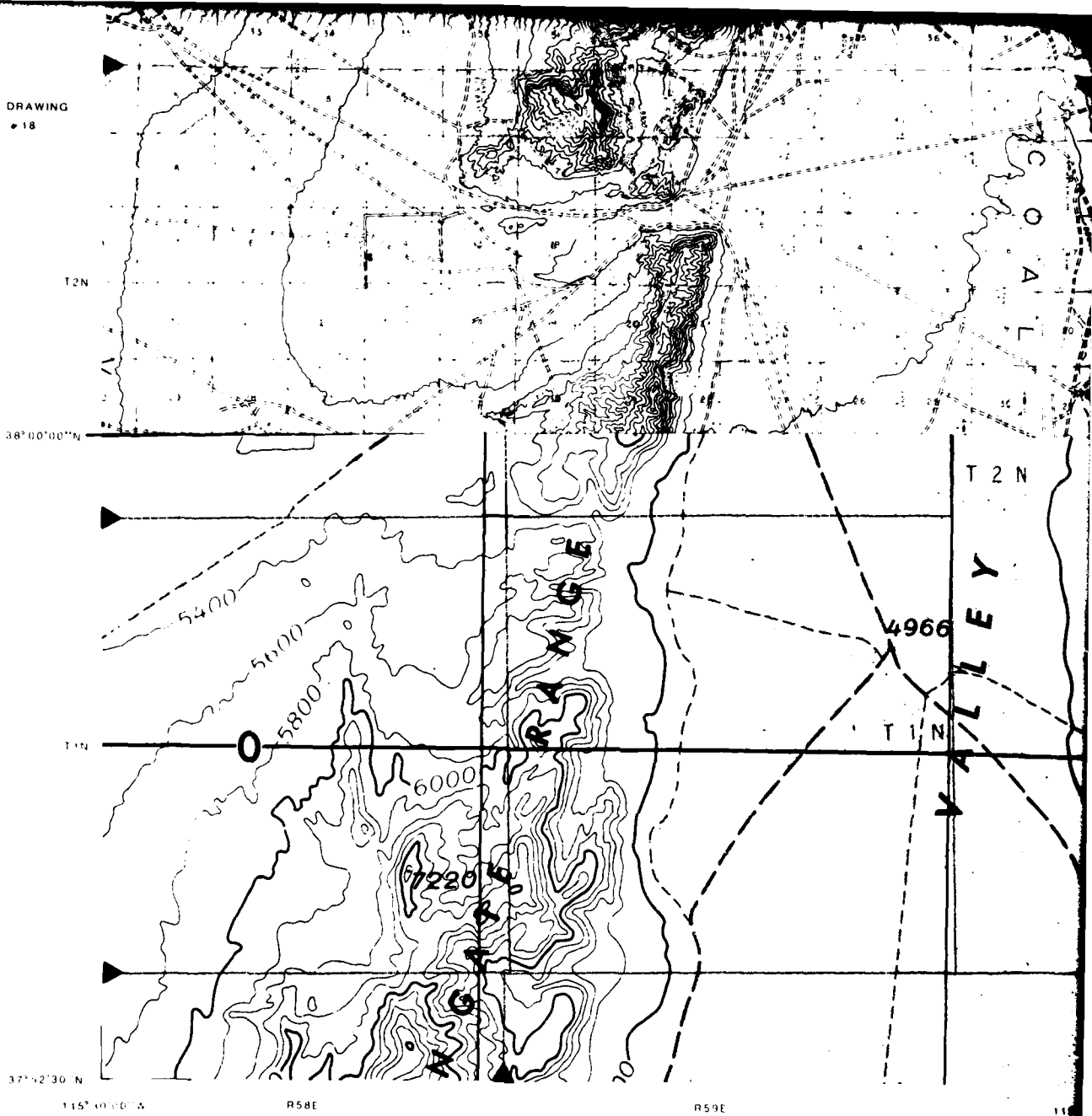
SEE DRAWING
#37

T2N

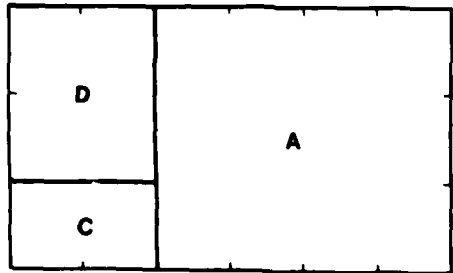
38°00'00"N



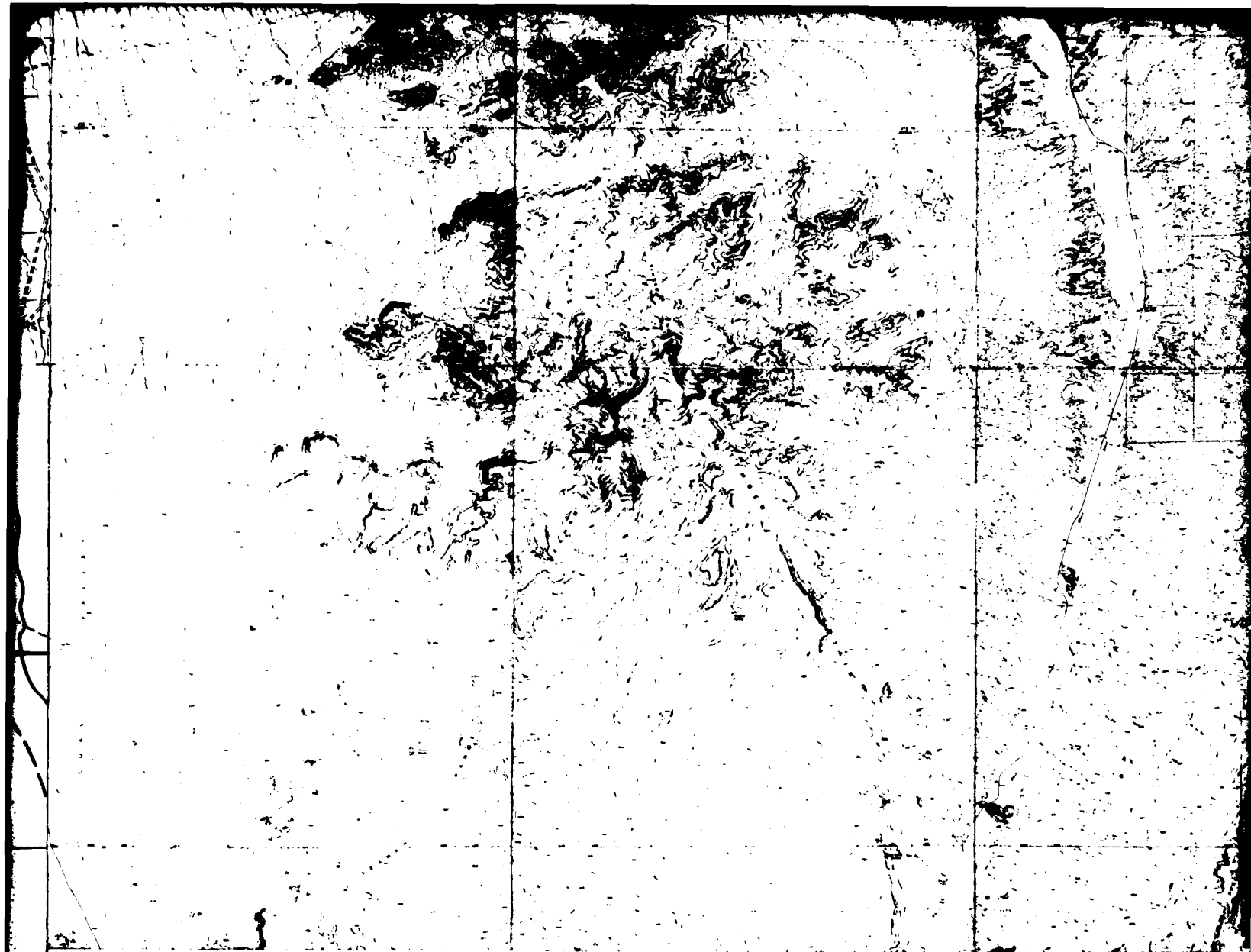
SEE DRAWING
18



BASE MAP SOURCE INSET



- A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)
- B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)
- C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)
- D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



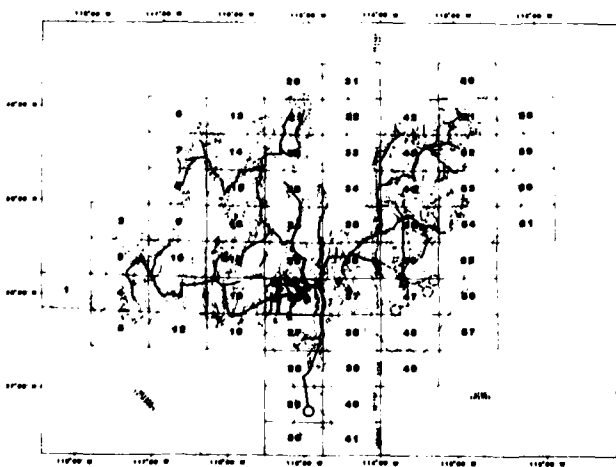
15° 15' 00" W
R60E

R61E

R62E 1° 5' 00" 00" W

MAP SHEET LOCATION

SEE DRAWING #27



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

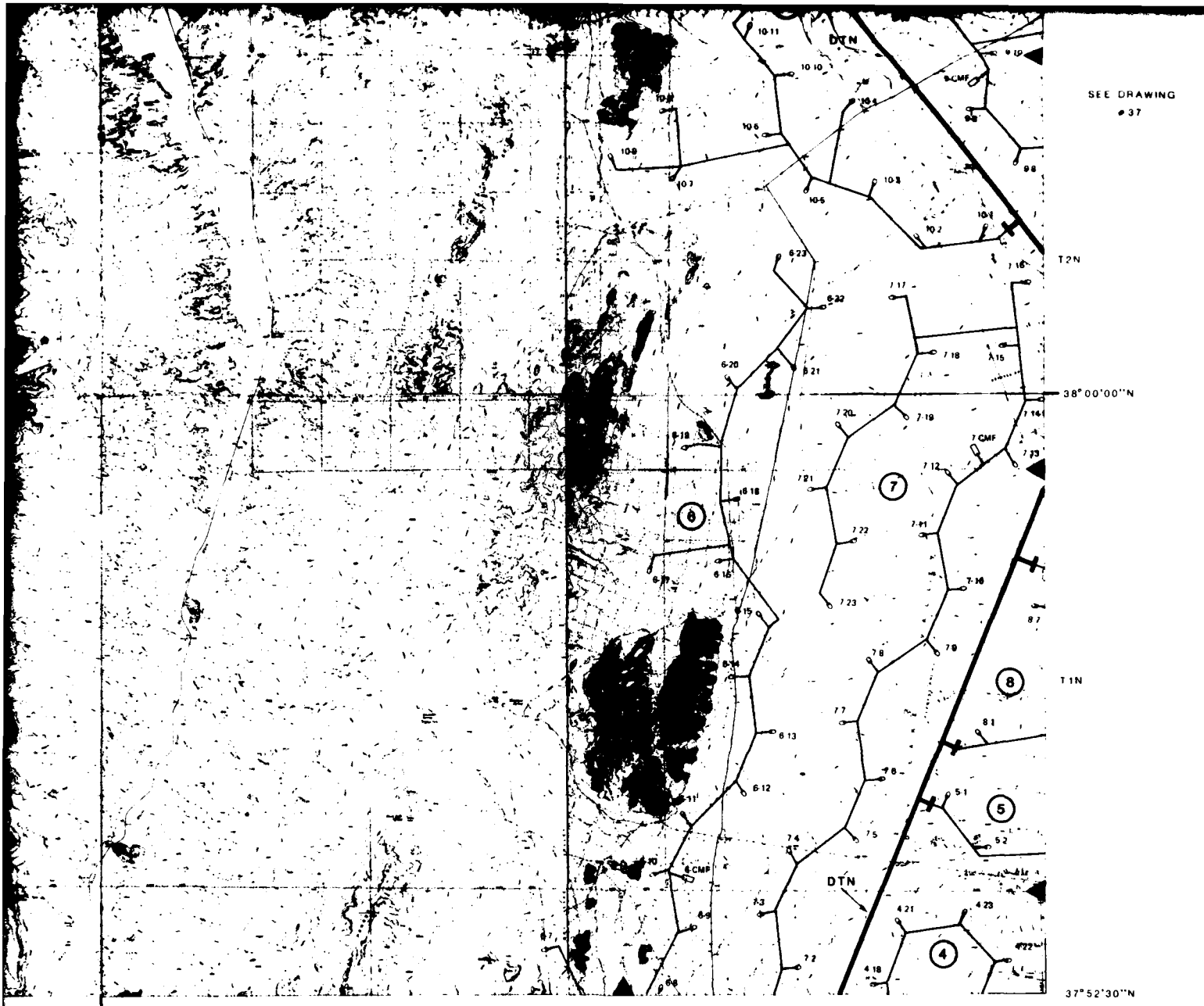
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	10/01	REMOVED NOTE

REVISIONS



SEE DRAWING #37

R62E 115°00'00"W R63E R64E R65E 114°45'00"W

PROJECT MAP SHEET

STATE: NEVADA	RAILROADS: NONE
COUNTY: NYE, LINCOLN	STATE ROADS: HWY 38
LOCAL COMMUNITY: NONE	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>R. Sanders</i>	9/17/61
CHECKED BY <i>C. Norman</i>	11/1/61
GEOTECHNICAL <i>W. M. ...</i>	11/1/61
SITING <i>W. M. ...</i>	9/17/61
ENVIRONMENTAL	

DRY LAKE VALLEY, NEVADA

5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER	APPROVED BY	DATE
CORPUS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE	APPROVED BY:	DRAWING NUMBER	REV
						26	
REVISIONS						USAF BALLISTIC MISSILE OFFICE	SHEET 1 OF 1

37°52'30"N

T1S

T2S

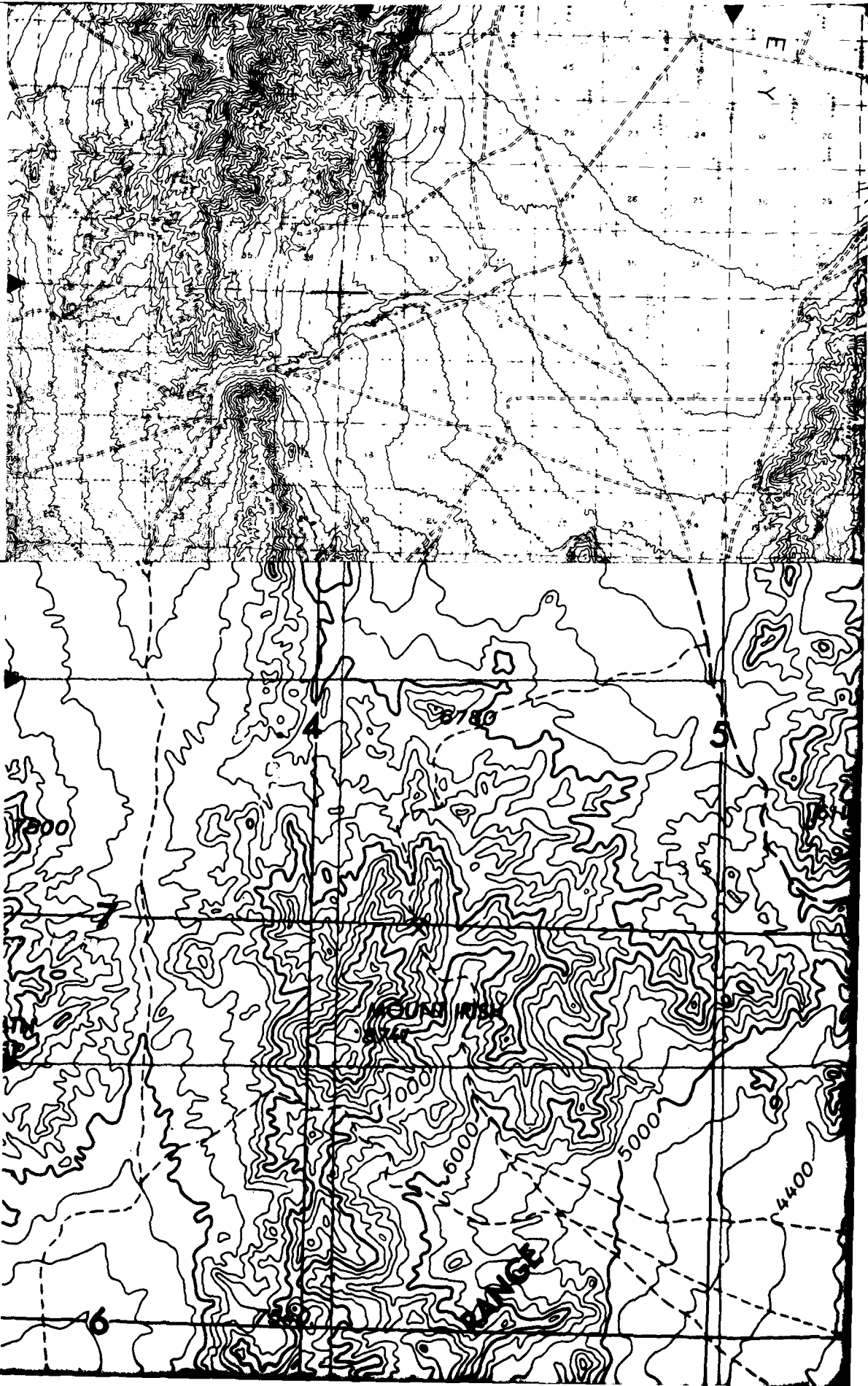
37°45'00"N

SEE DRAWING
19

T3S

T4S

E
Y



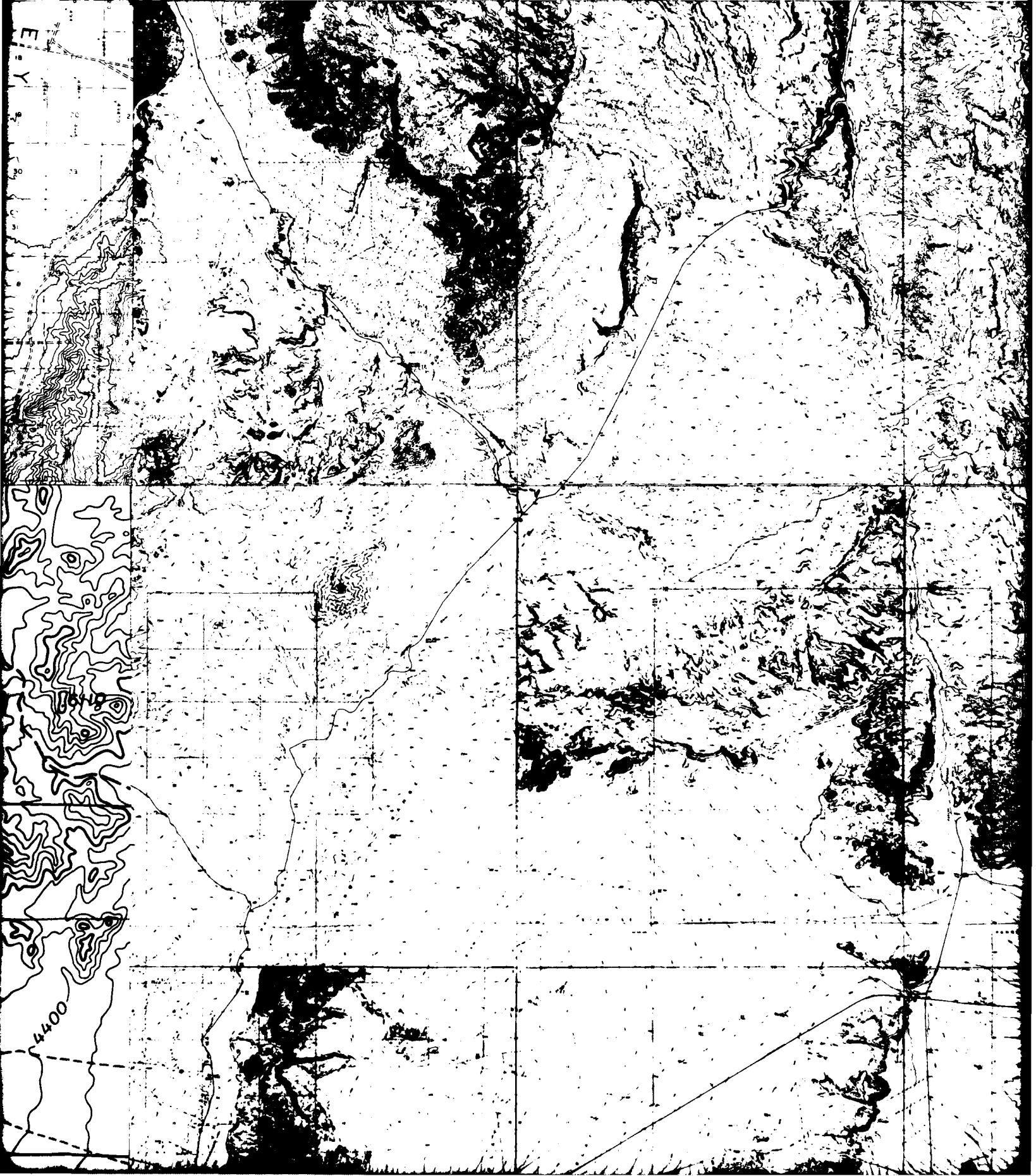
R60E
115° 15' 00" W

R61E

SEE DRAWING #26

R62E

115° 00' 00" W



R62E 115°00'00"W

R63E

R64E

114°45'00"W

37°52'30"N

T1S

T2S

37°45'00"N

T3S

T4S

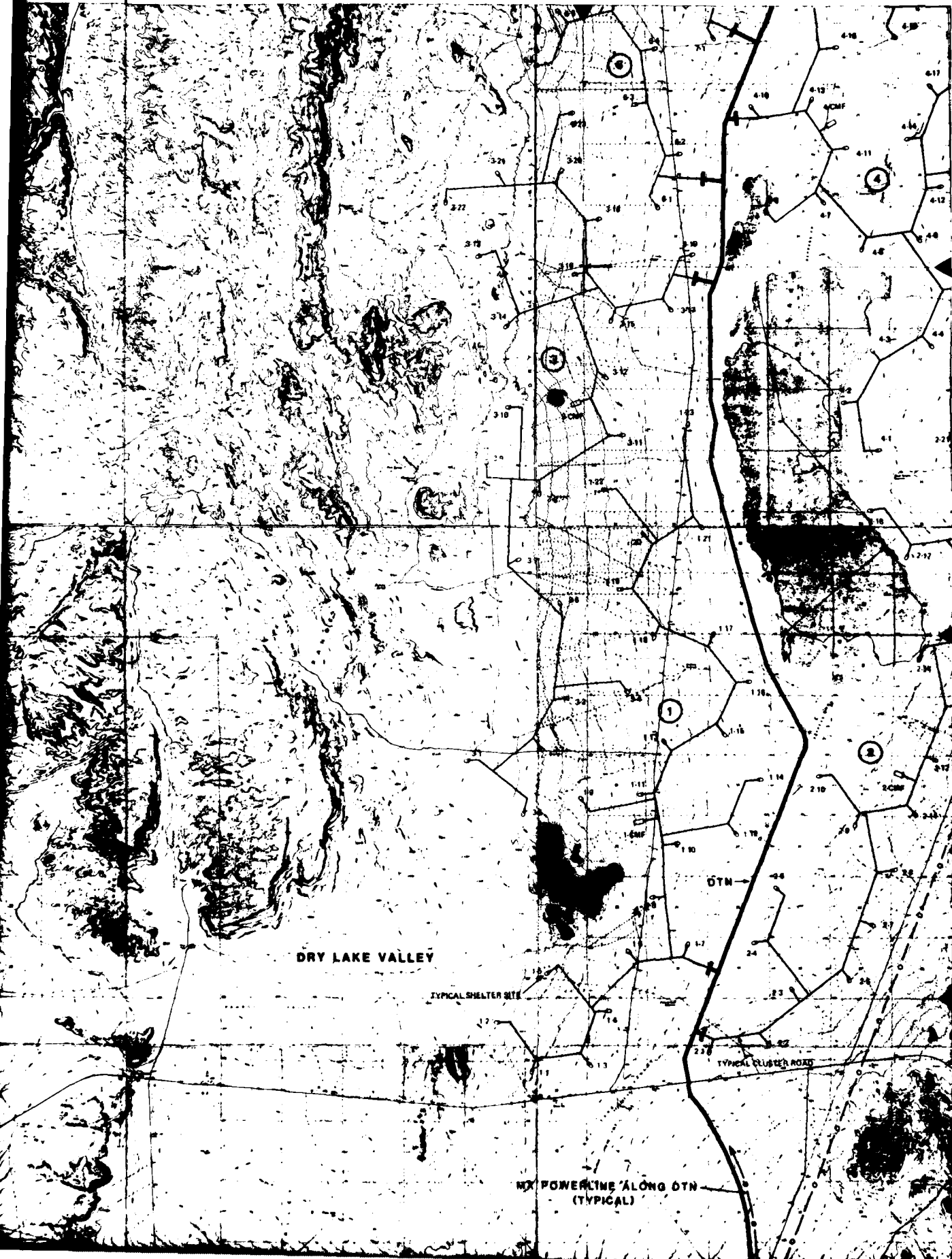
DRY LAKE VALLEY

TYPICAL SHELTER SITE

TYPICAL CLUSTER ROAD

MX POWERLINE ALONG DTM
(TYPICAL)

SEE DRAWING
#38



SEE DRAWING
19

T3S

T4S

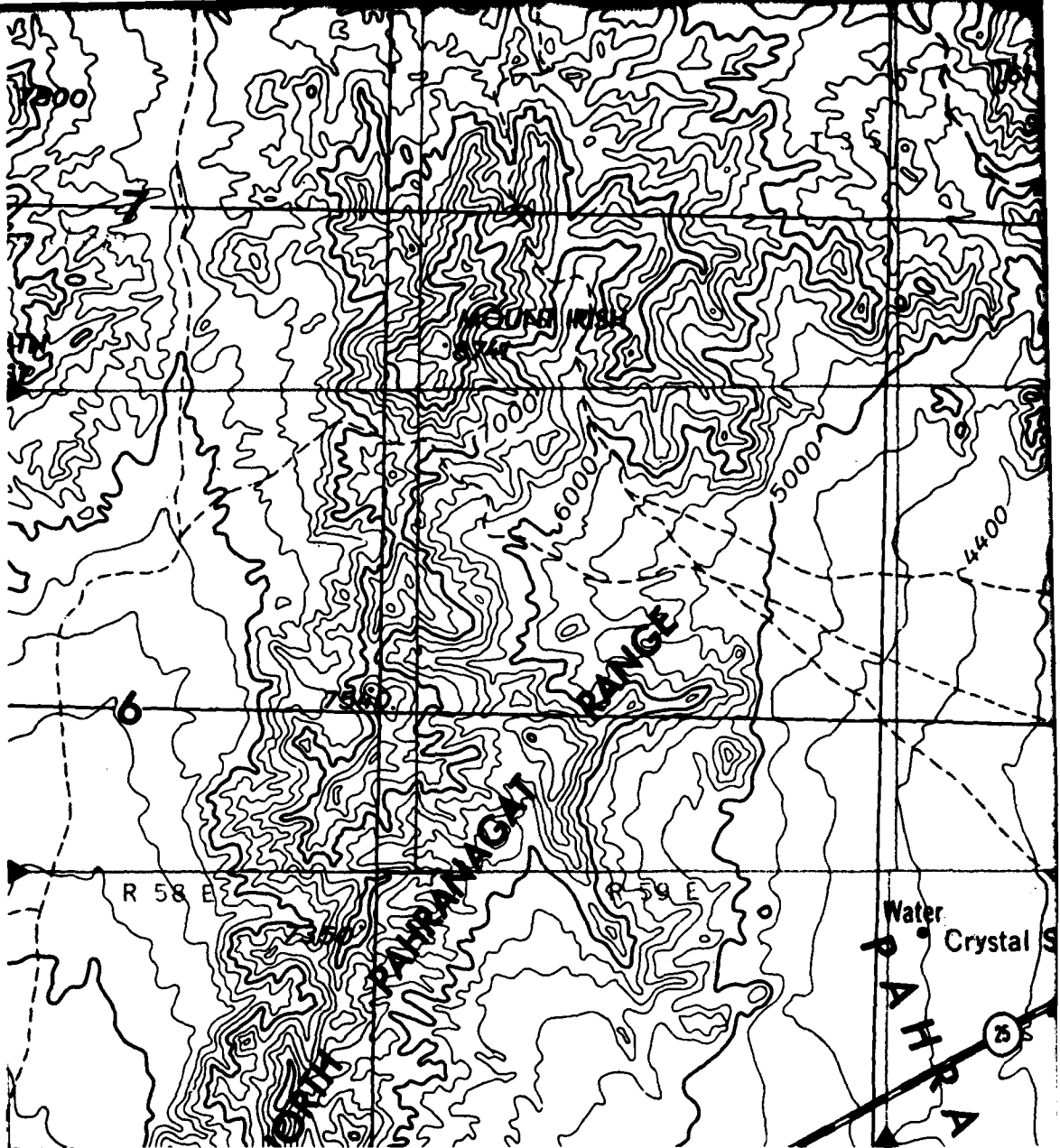
T5S

37° 30' 00" N

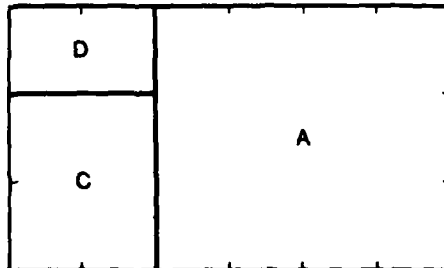
115° 30' 00" W

R58E

R59E



BASE MAP SOURCE INSET

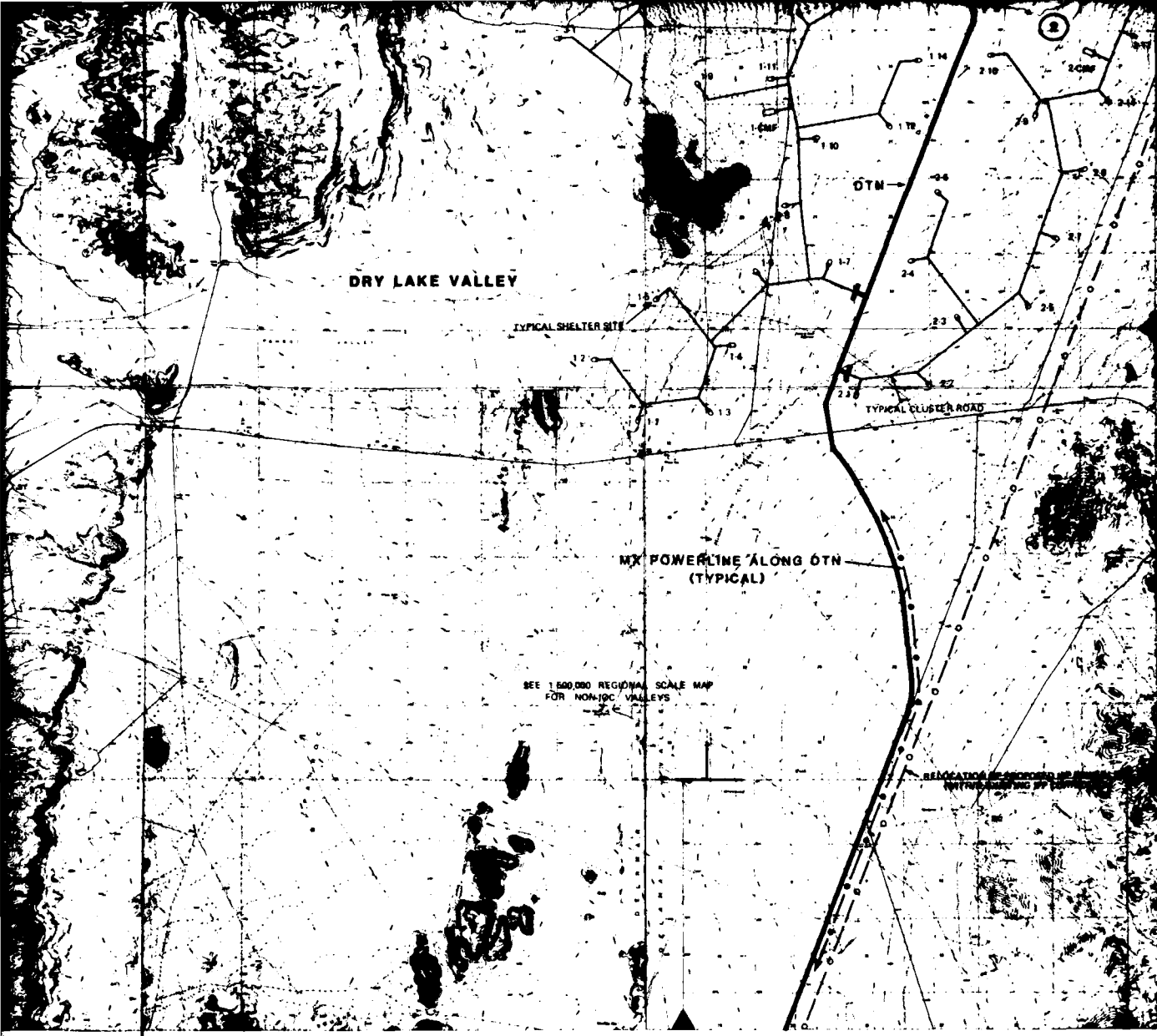


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:82,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:82,500



SEE DRAWING # 38

T35

T45

T55

37°30'00"N

R62E

115°00'00"W

R63E

R64E

114°45'00"W

PROJECT MAP SHEET

STATE: NEVADA	RAILROADS: NONE
COUNTY: LINCOLN	STATE ROADS: HWYS 38, 25
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 93

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

DRY LAKE VALLEY, NEVADA

5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SIGNATURE	DATE
DRAWN BY: <i>[Signature]</i>	9/17/61
CHECKED BY: <i>[Signature]</i>	
GEO TECHNICAL: <i>[Signature]</i>	9/17/61
SITE: <i>[Signature]</i>	9/17/61
ENVIRONMENTAL:	

SYSTEMS ENGINEER:	APPROVED BY:	DATE
CORPS OF ENGINEERS:	AIR FORCE REGIONAL CIVIL ENGINEER - MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

APPROVED BY:	DRAWING NUMBER: 27	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

E-TF-4-11

114°45'00"W

R65E

R66E

114°30'00"W

38°15'00"N

T4N

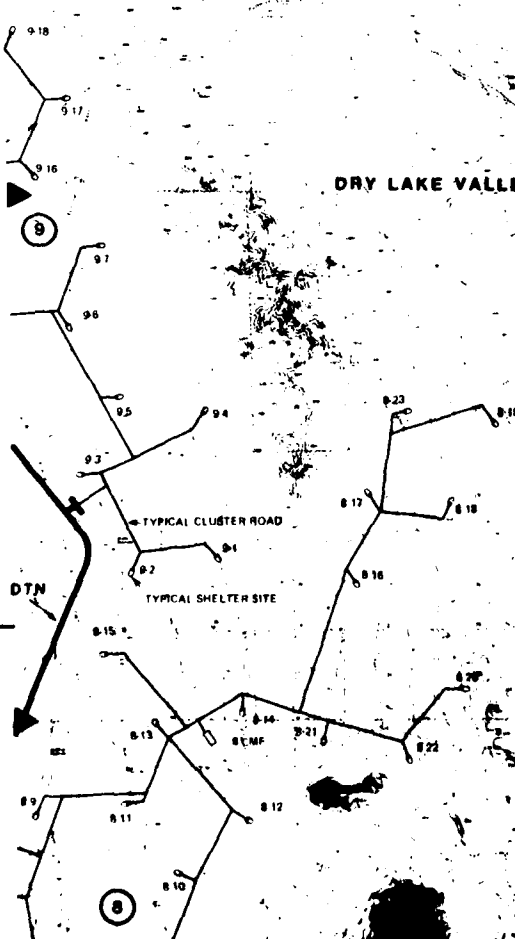
T3N

T2N

38°00'00"N

DRY LAKE VALLEY

SEE DRAWING #26



114°30'00"W

R67E

SEE DRAWING #36
R68E

R69E



R69E

R70E

R71E

R20W

114 00'00"W

18° 15'00"N

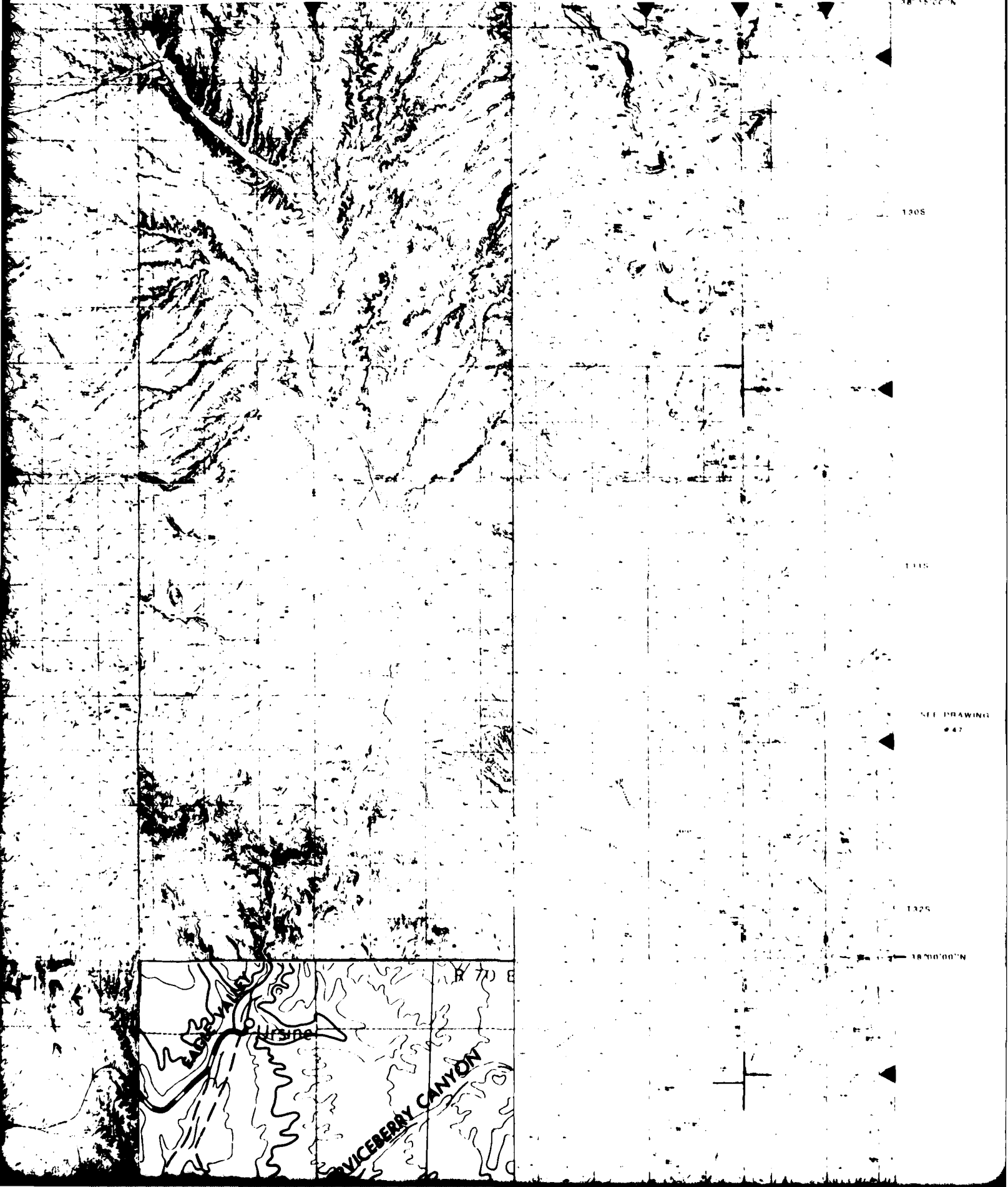
130S

131S

SEE DRAWING #47

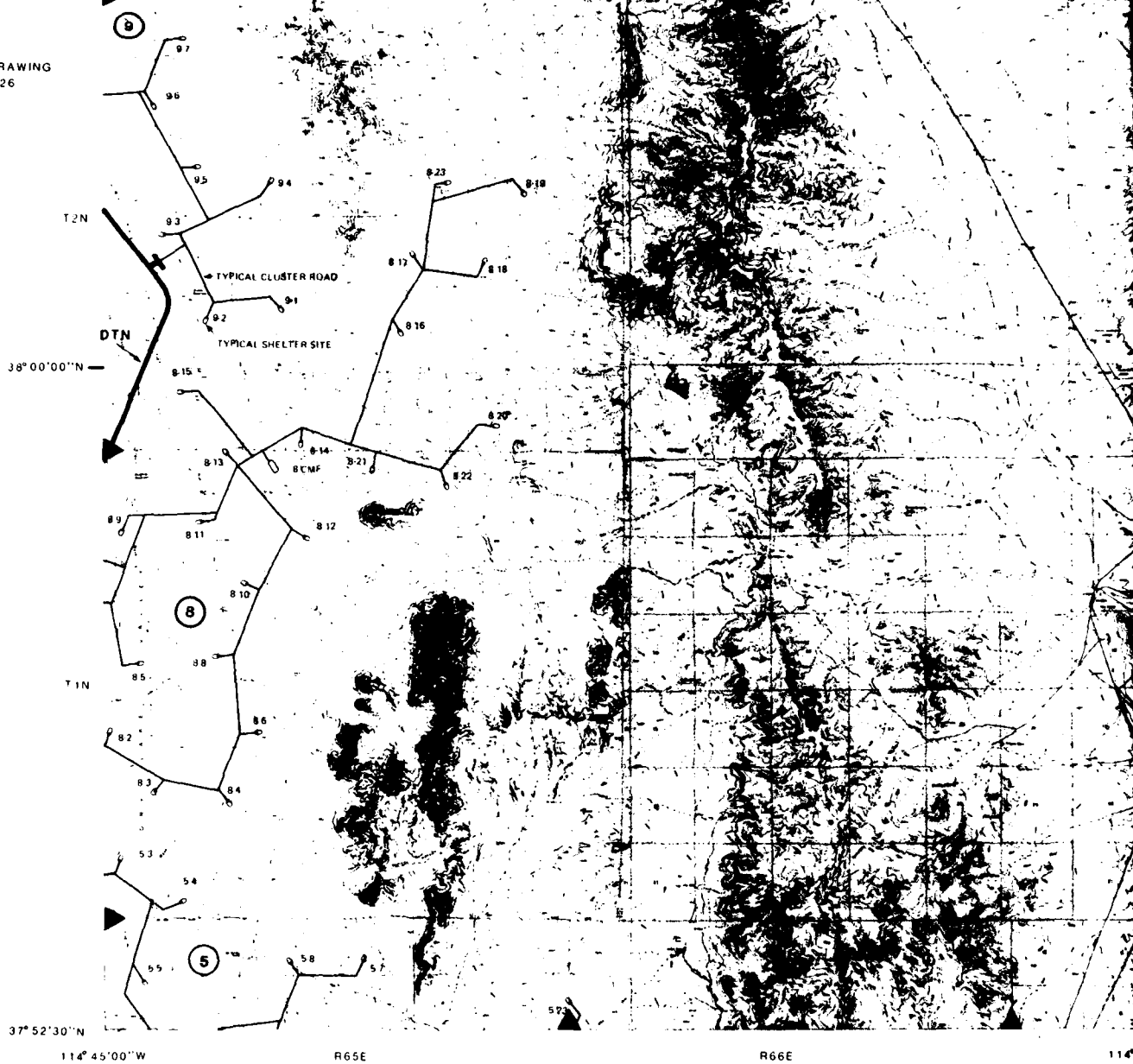
132S

18° 00'00"N

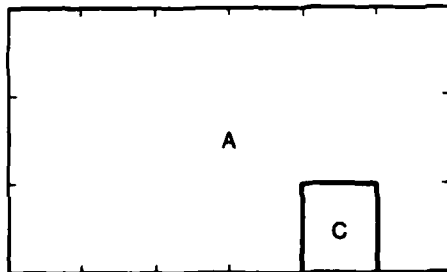


DRY LAKE VALLEY

SEE DRAWING #26



BASE MAP SOURCE INSET

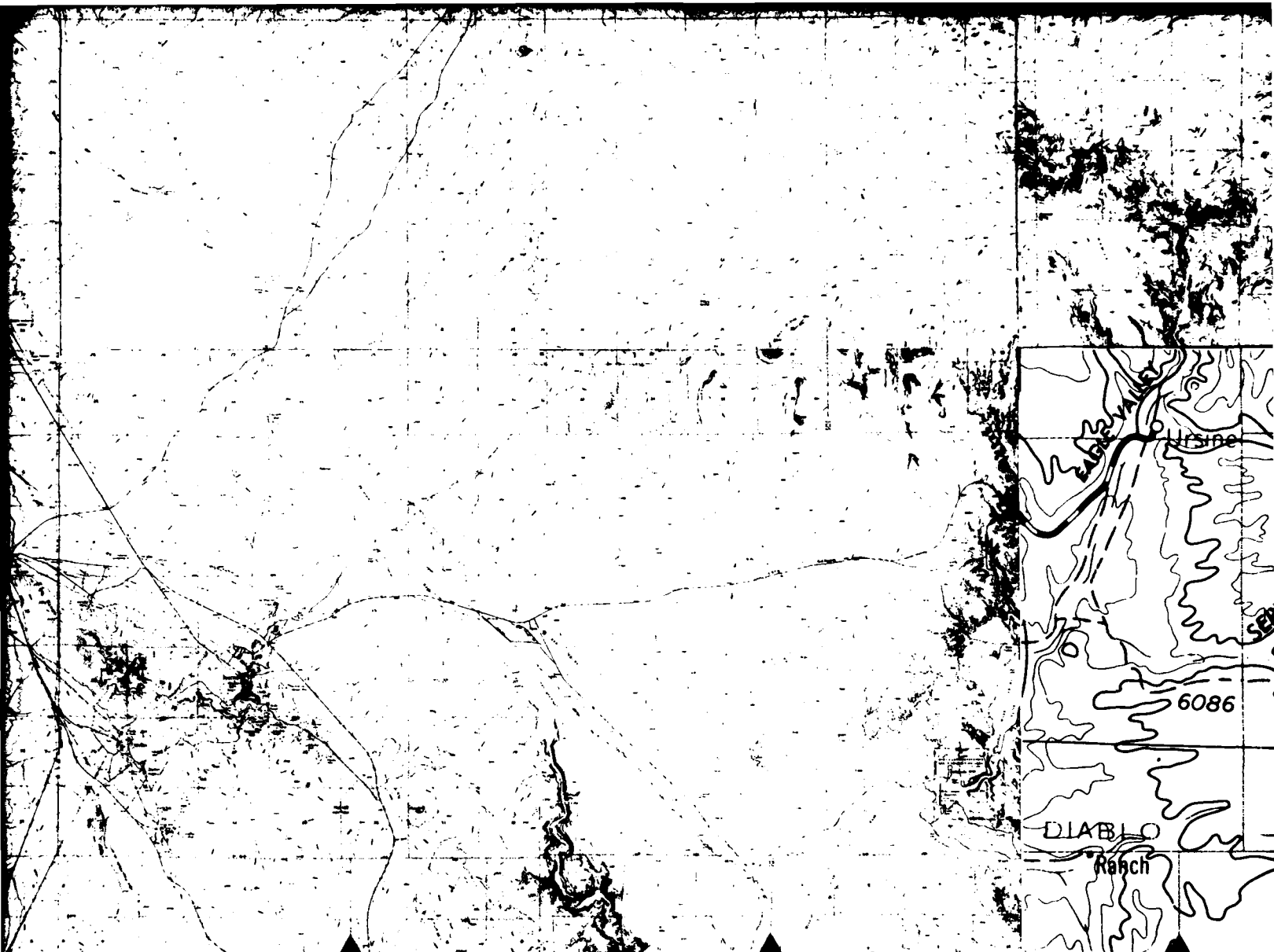


A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



114° 30' 00\"/>

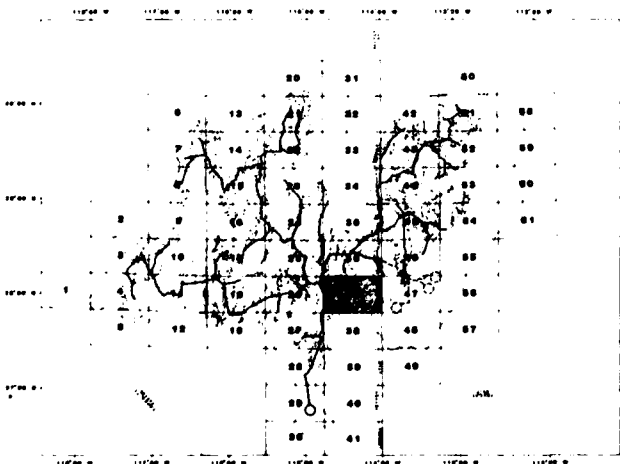
R67E

R68E

R69E

MAP SHEET LOCATION

SEE DRAWING # 38



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS

37°52'30"N

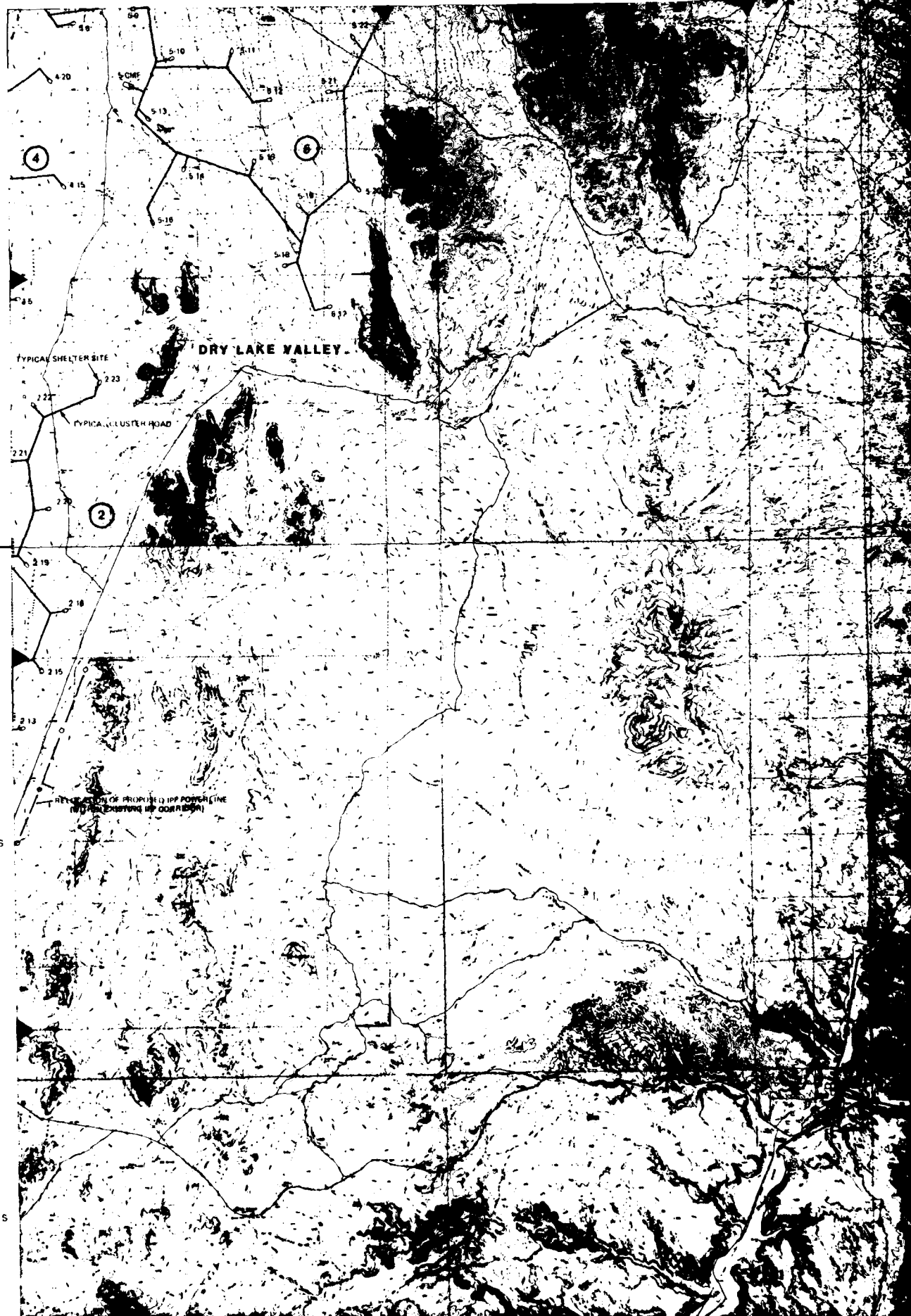
T15

T25

37°45'00"N

T35

T45



SEE DRAWING # 27

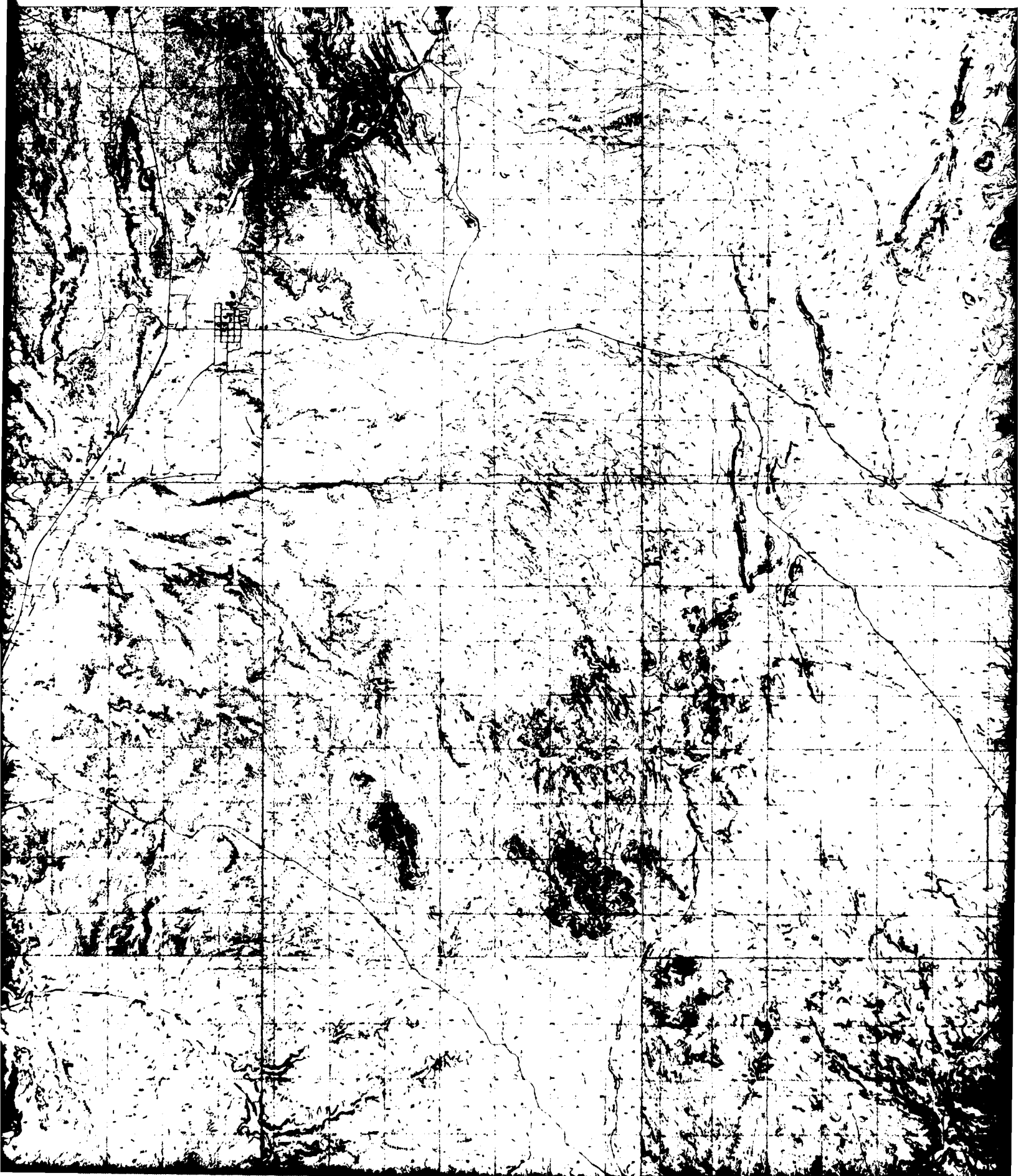
RELOCATION OF PROPOSED IPP POWER LINE (SEE DRAWING # 27 FOR EXISTING IPP CORRIDOR)

R68E

SEE DRAWING #37

114°15'00"W

R70E



114°15'00"W

R70E

R71E

R20W

114°00'00"W

37°52'30"N

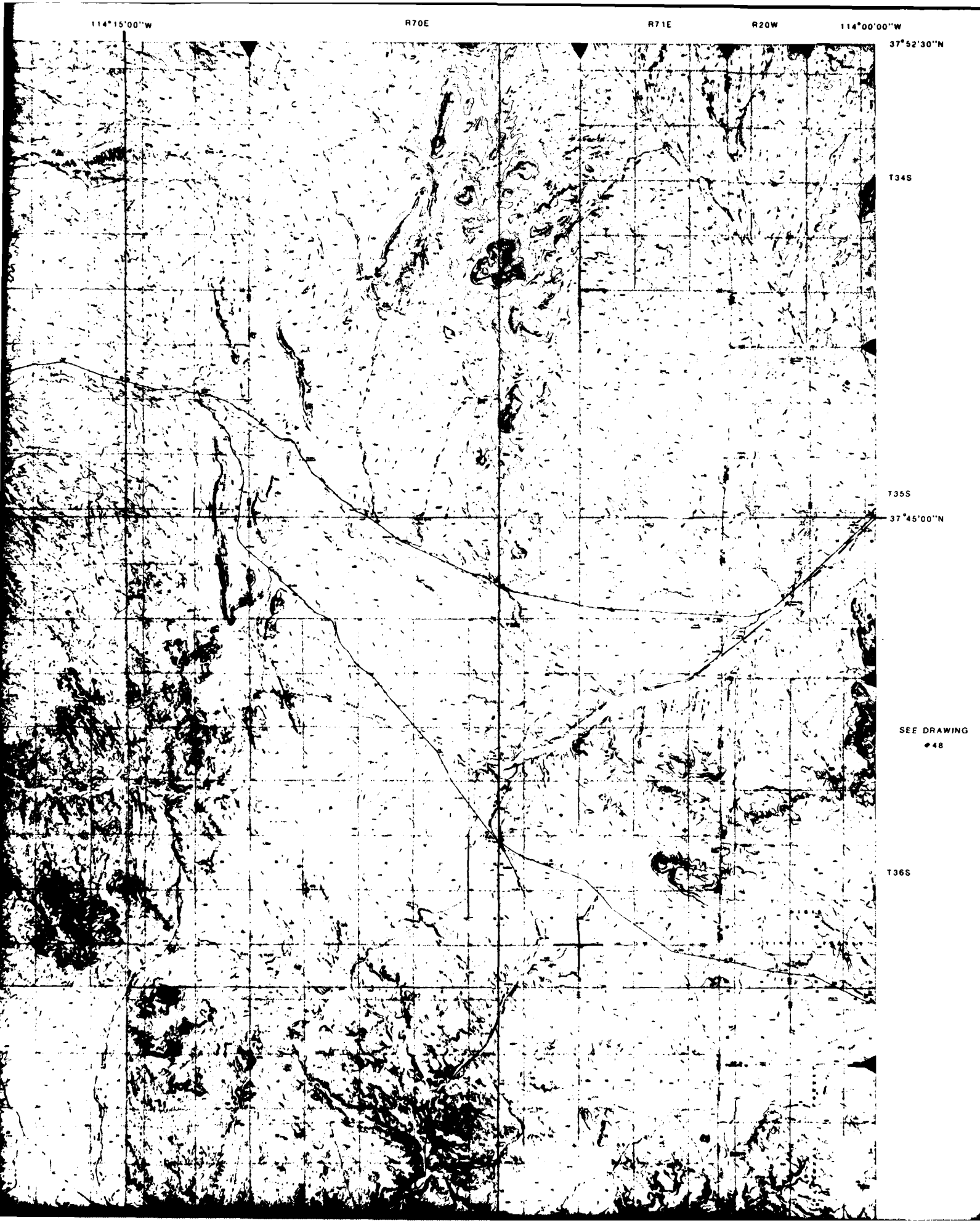
T34S

T35S

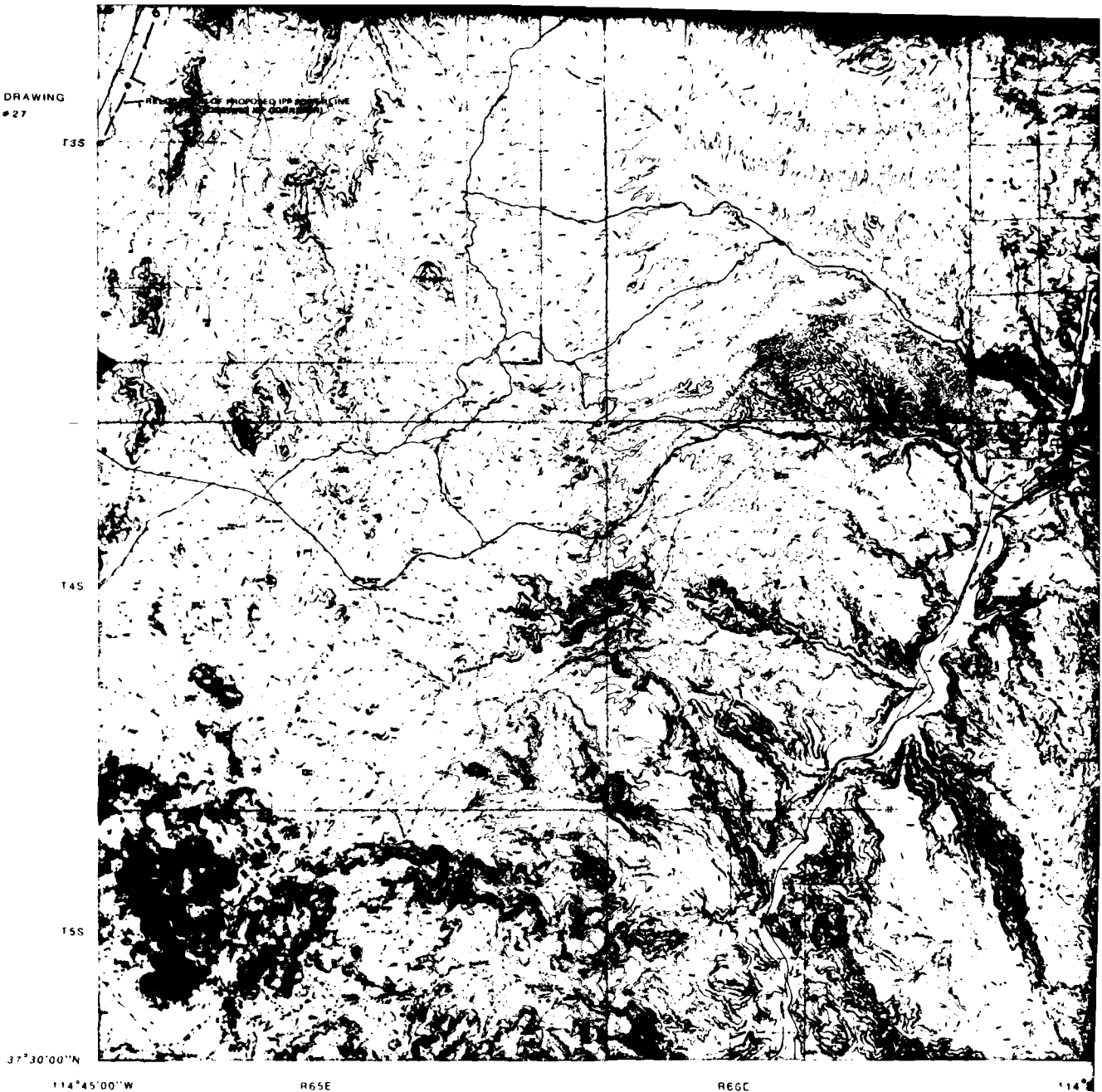
37°45'00"N

SEE DRAWING
#48

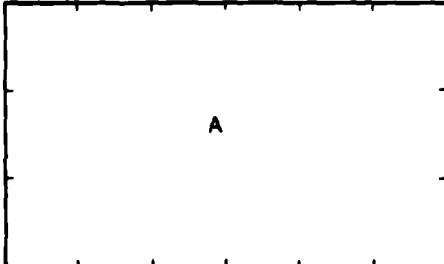
T36S



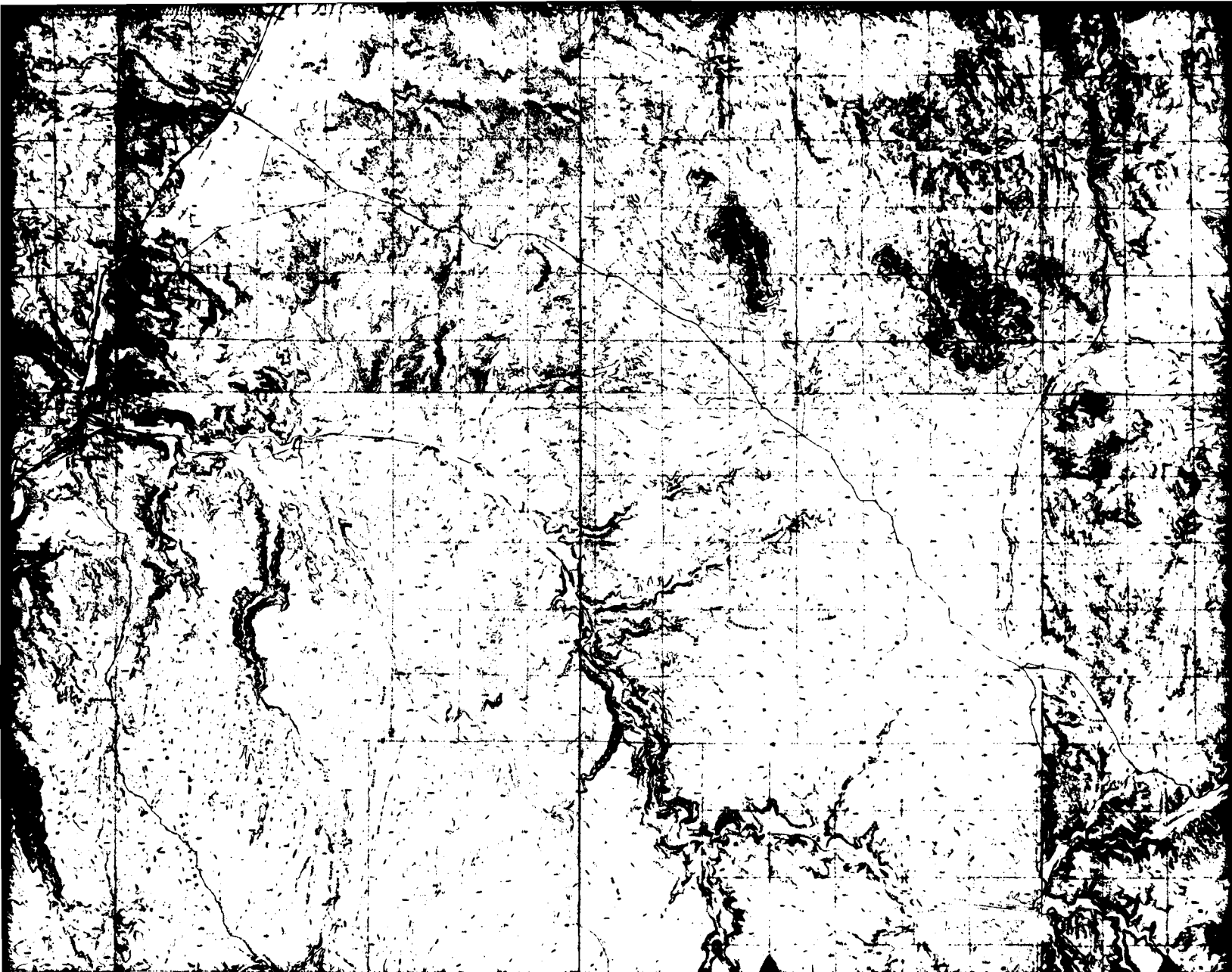
SEE DRAWING
27



BASE MAP SOURCE INSET



- A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)
- B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)
- C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)
- D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



114°30'00"W
R67E

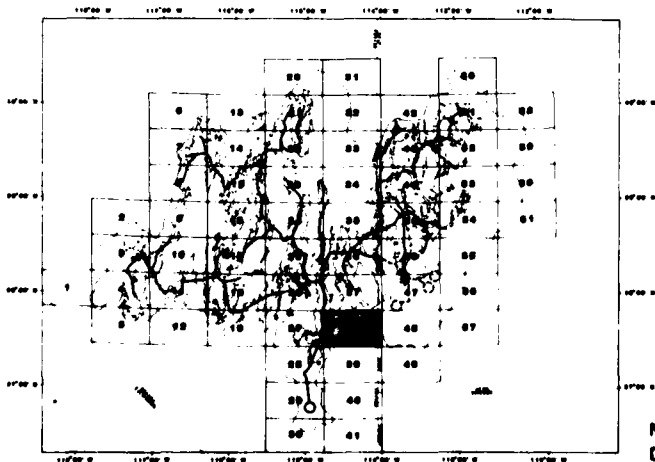
R68E

R69E

114°15'00"W

SEE DRAWING #39

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	10/20/00	REVISED GRID

REV

SEE DRAWING # 48

T365

T375

37°30'00"N

R69E 114°15'00"W R70E R71E R20W 114°00'00"W

PROJECT MAP SHEET	
STATE: NEVADA, UTAH	RAILROADS: UNION PACIFIC
COUNTY: LINCOLN, IRON, WASHINGTON	STATE ROADS: HWY 75, 25, 120, 56
LOCAL COMMUNITY: CALIENTE, PANACA	FEDERAL ROADS: HWY 93

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY: <i>[Signature]</i>	9/19/81
CHECKED BY: <i>[Signature]</i>	9/19/81
GEO TECHNICAL: <i>[Signature]</i>	9/19/81
SITING: <i>[Signature]</i>	9/19/81
ENVIRONMENTAL:	

DRY LAKE VALLEY, NEVADA

5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER:	APPROVED BY:	DATE
CORPS OF ENGINEERS:	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

APPROVED BY: _____ DRAWING NUMBER: **38** REV _____
USAF BALLISTIC MISSILE OFFICE SHEET _____ OF _____

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/01	REVISED NOTES	<i>[Signature]</i>	10/2/81

REVISIONS

114°00'00"W R19W

R18W

R17
113°45'

39°00'00"N

T21S

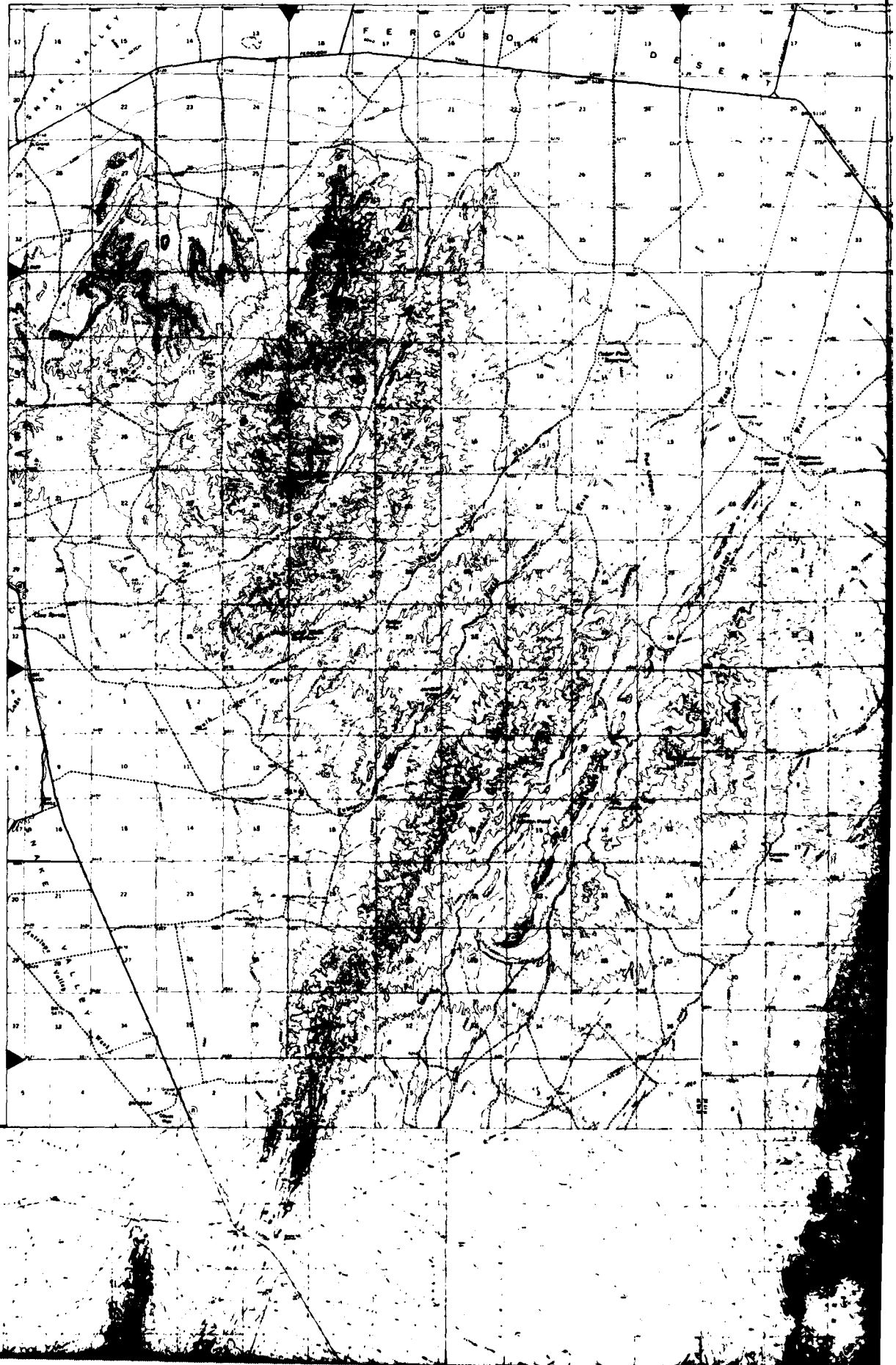
T22S

SEE DRAWING #35

T23S

38°45'00"N

T24S



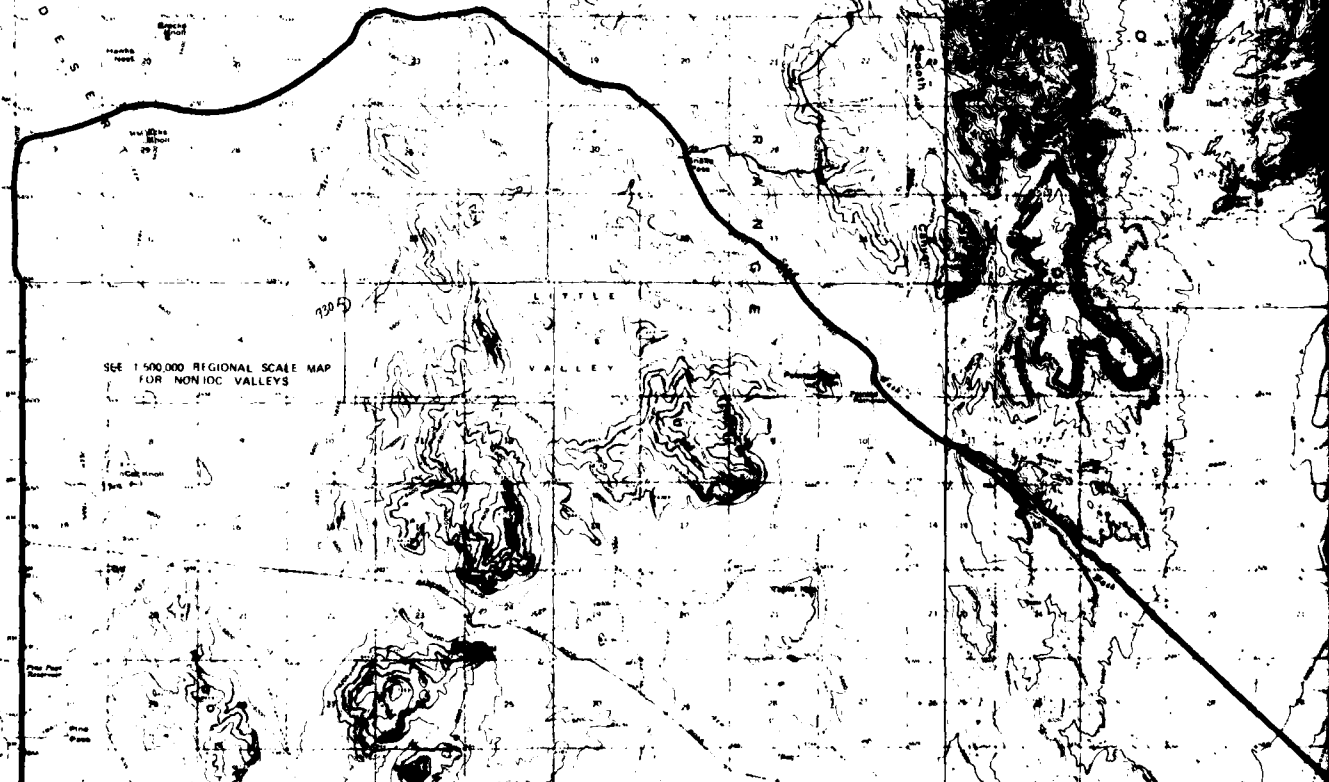
R17W
113°45'00"W

R16W

SEE DRAWING #44

R15W

113°30'00"W



SEE 1:500,000 REGIONAL SCALE MAP
FOR NONIUC VALLEYS

NEWSPAPER EXPERIMENTAL RANGE

DYN

15W 113° 30' 00" W

R 14W

R 13W

113° 15' 00" W

39° 00' 00" N

T 21 S

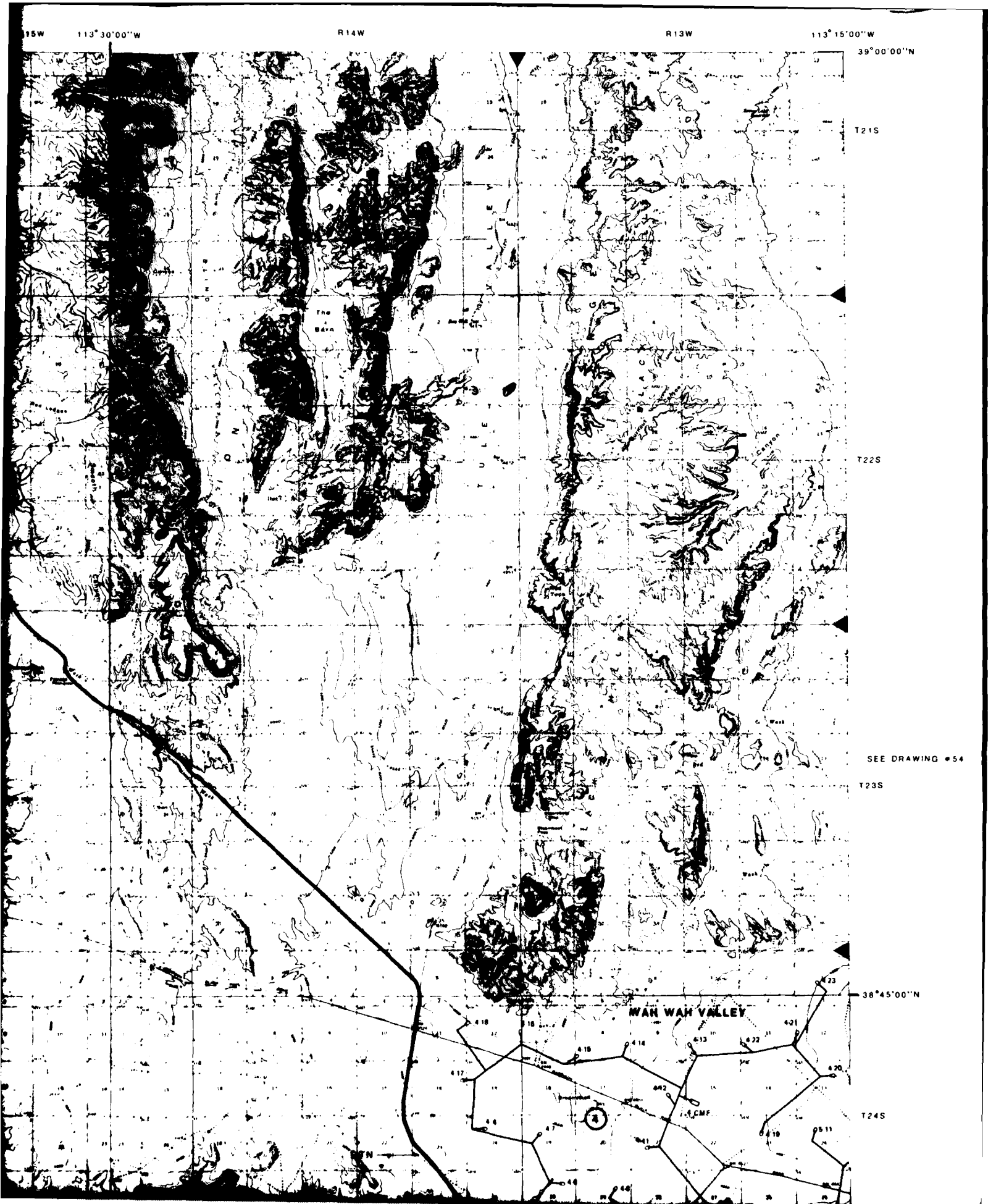
T 22 S

SEE DRAWING # 54

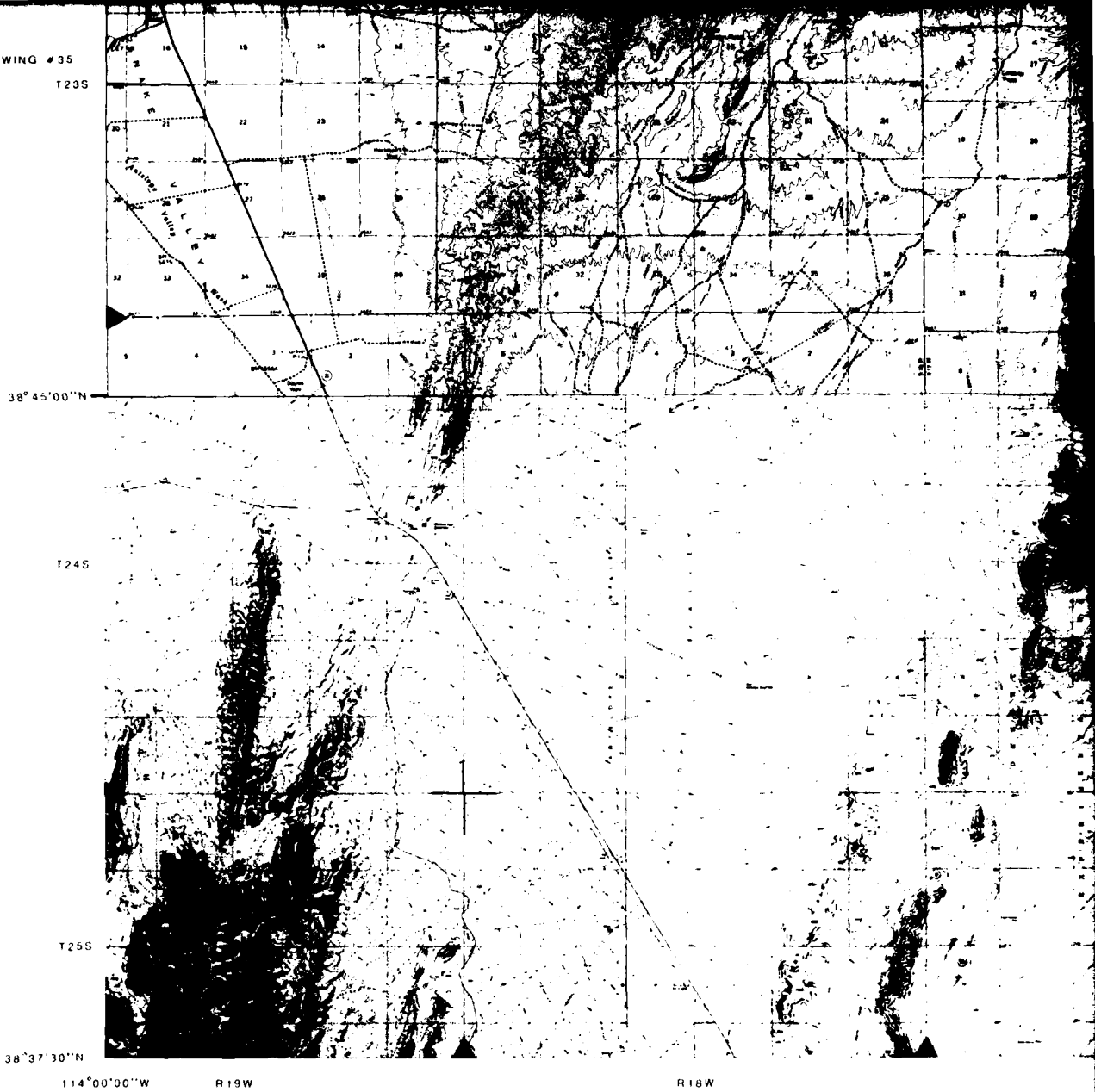
T 23 S

38° 45' 00" N

T 24 S



SEE DRAWING #35

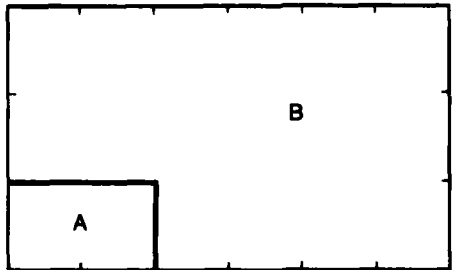


114°00'00\"/>

R 19W

R 18W

BASE MAP SOURCE INSET

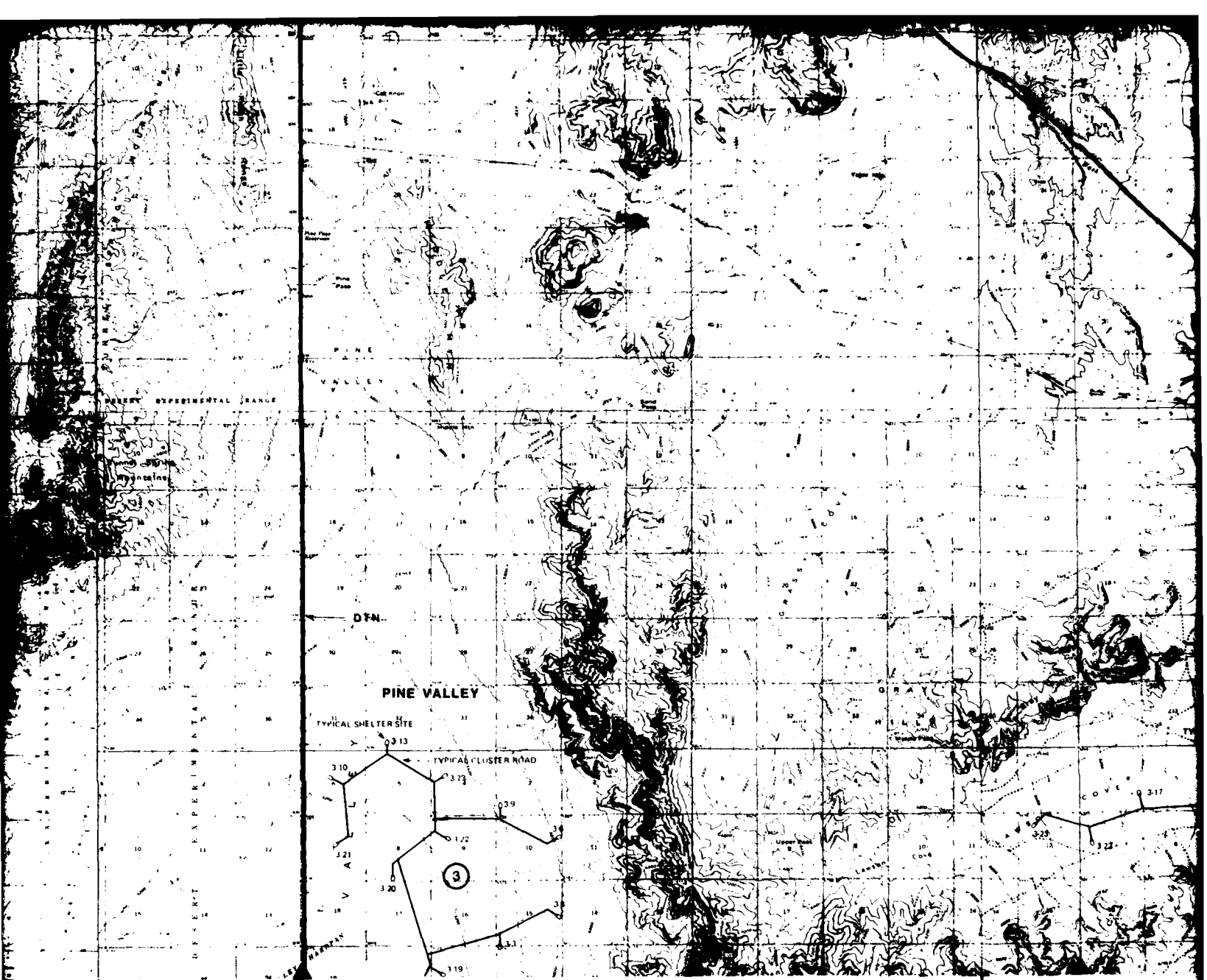


A 7½ MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETR/CS) AT 1:62,500



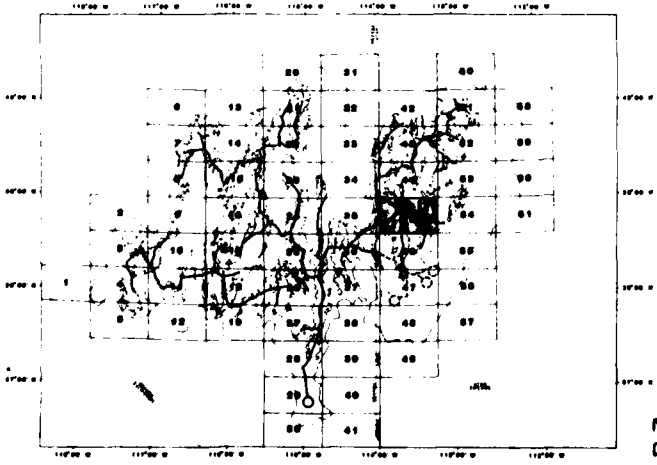
113°45'00"W
R17W

R16W

R15W 113°30'00"W

MAP SHEET LOCATION

SEE DRAWING # 46



SEE SHEET 'A'
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	10/28/68	REVISION

5

SEE DRAWING #54

T23S

38°45'00"N

T24S

T25S

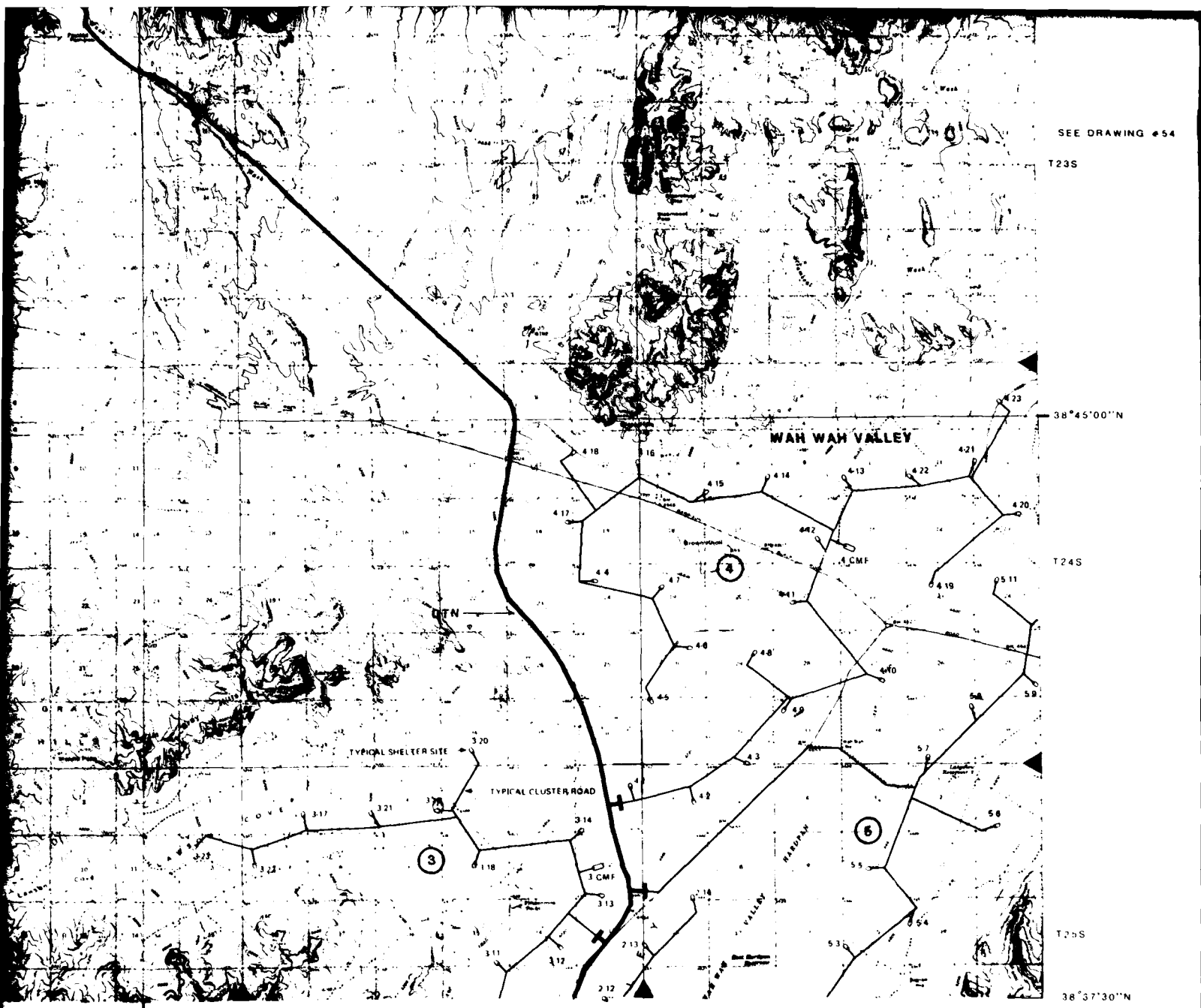
38°37'30"N

R15W 113°30'00"W

R14W

R13W

113°15'00"W



PROJECT MAP SHEET

STATE: UTAH	RAILROADS: NONE
COUNTY: MILLARD	STATE ROADS: HWY 21
LOCAL COMMUNITY: NONE	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>R. H. Hays</i>	9/17/81
CHECKED BY <i>C. Hays</i>	
GEOTECHNICAL <i>Black Mader</i>	9/17/81
SITING <i>R. H. Hays</i>	7/1/81
ENVIRONMENTAL	

PINE AND WAH WAH VALLEYS, UTAH
5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE	APPROVED BY	DRAWING NUMBER 45	REV

REVISIONS

114°00'00"W

R19W

R18W

38°37'30"N

T25S

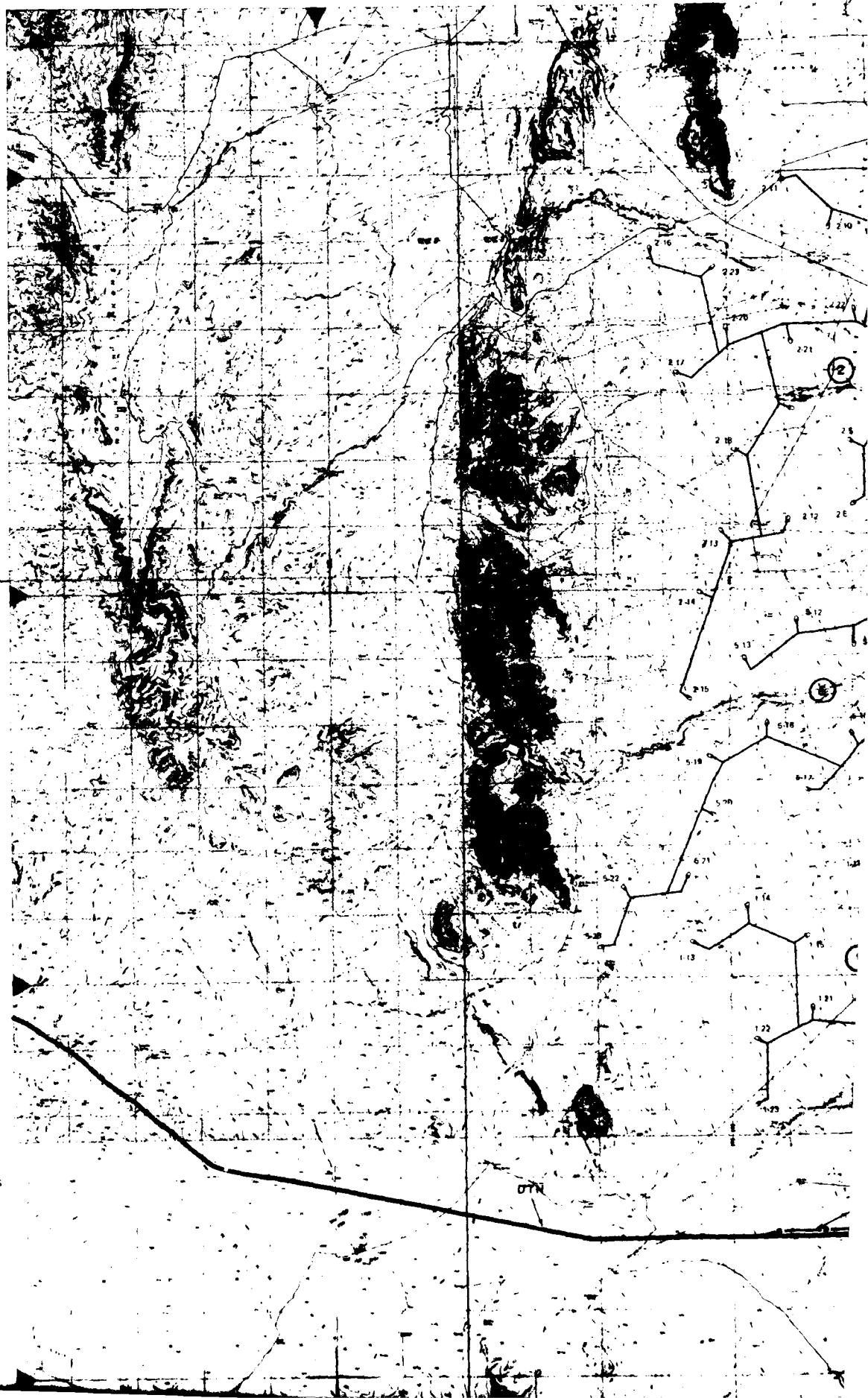
T26S

38°30'00"N

T27S

SEE DRAWING
36

T28S



17W
00''W

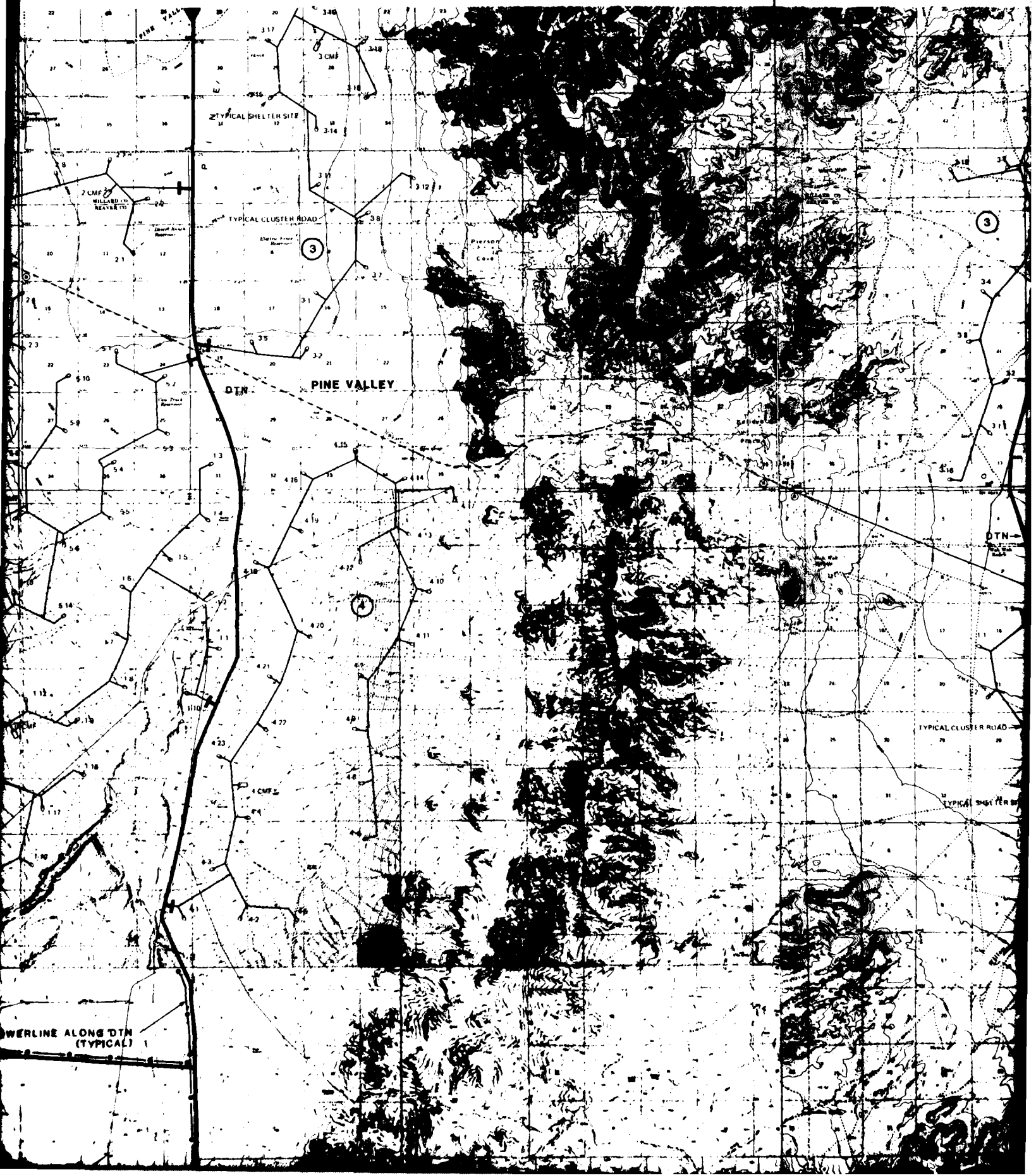
R16W

SEE DRAWING #45

R15W

113 30'00''W

R14



18W 113° 30' 00" W

R14W

R13W

113° 15' 00" W

38° 37' 30" N

T25S

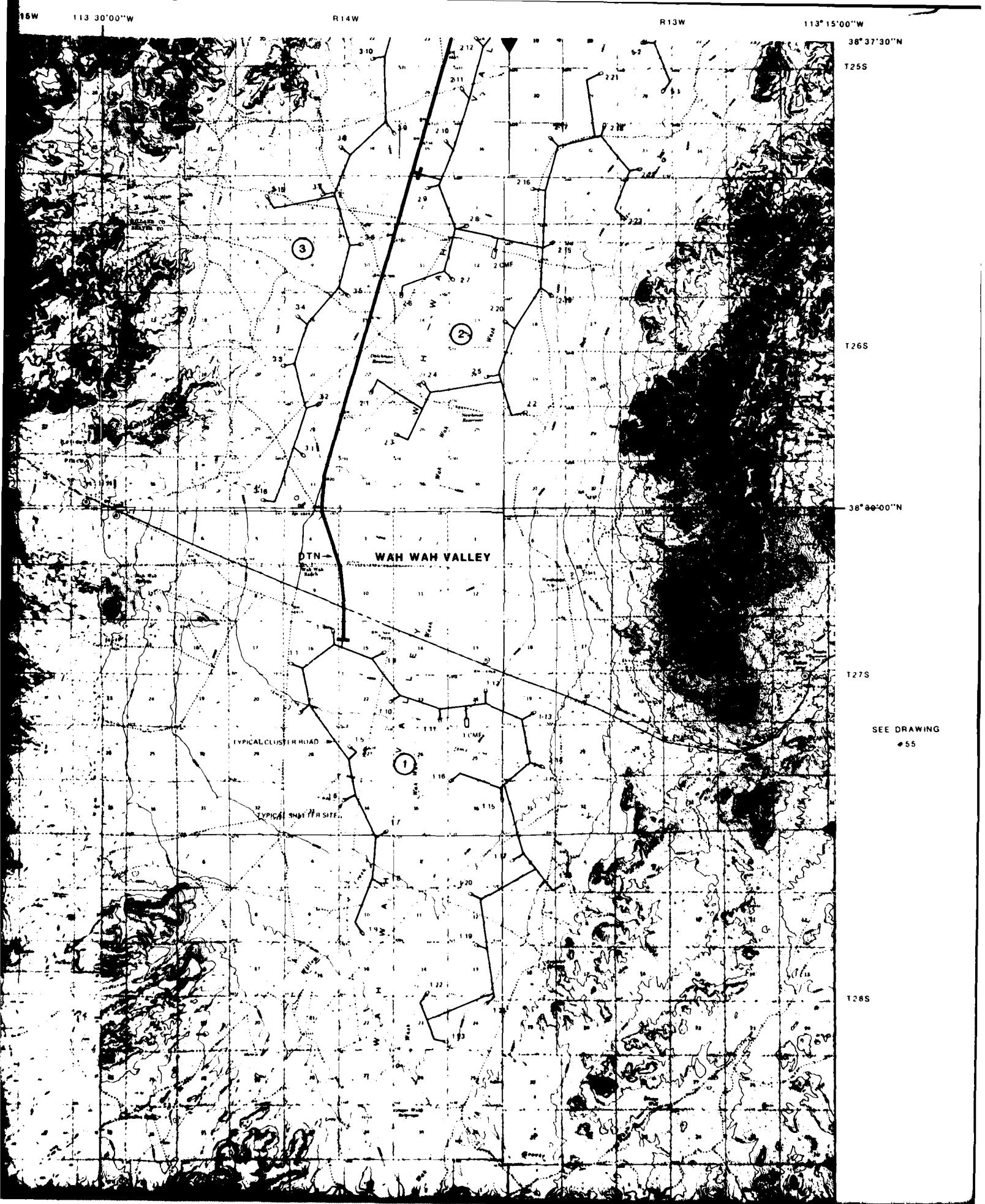
T26S

38° 30' 00" N

T27S

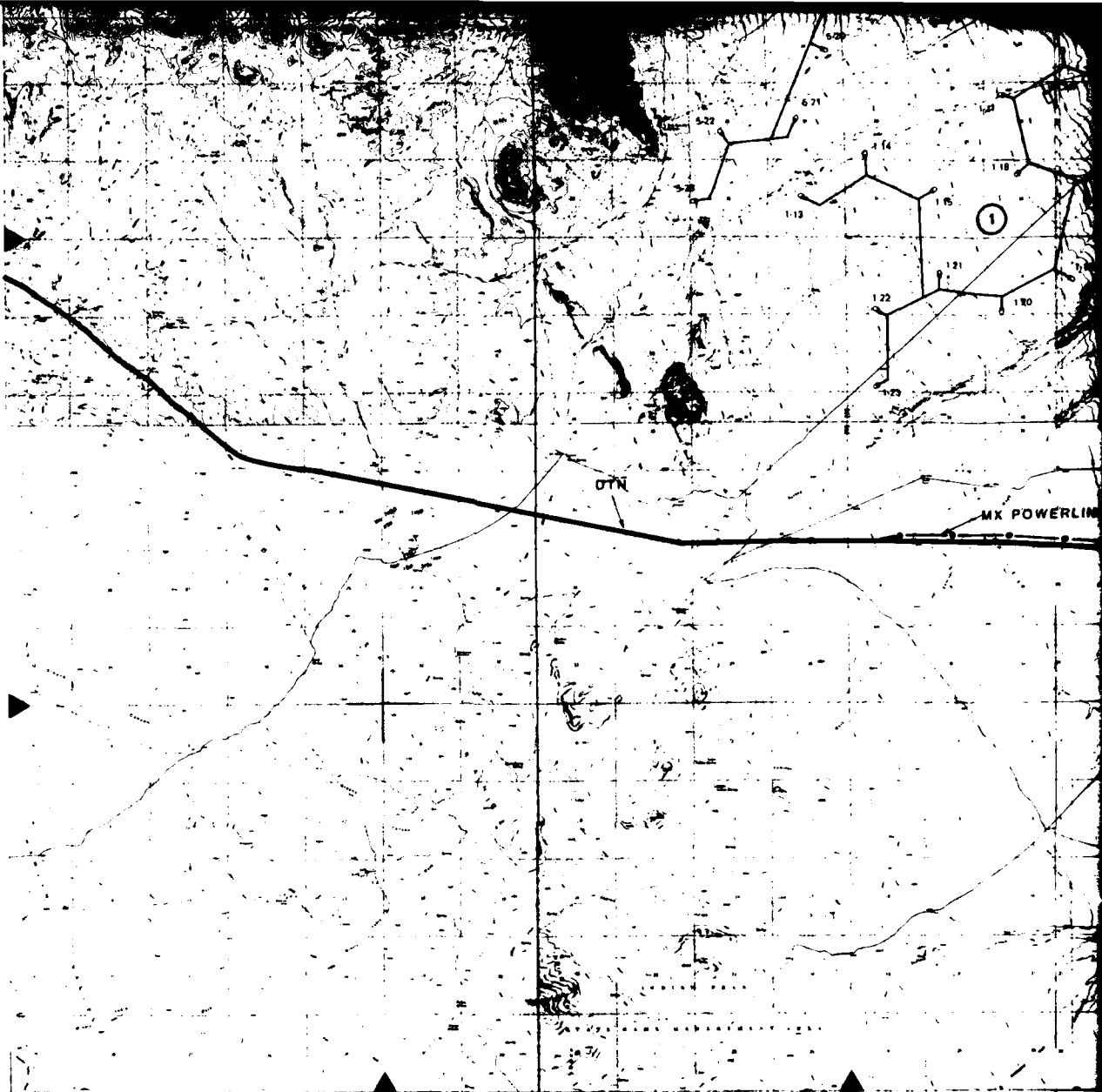
SEE DRAWING #55

T28S



T27S

ENGINEERING DRAWING
#36



38° 15' 00" N

114° 00' 00" W

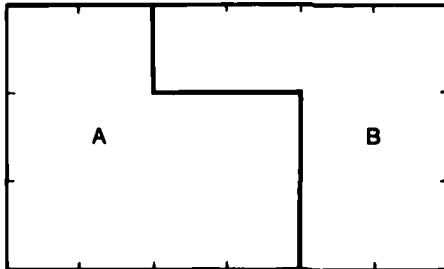
R19W

R18W

113° 45' 00" W

R17W

BASE MAP SOURCE INSET

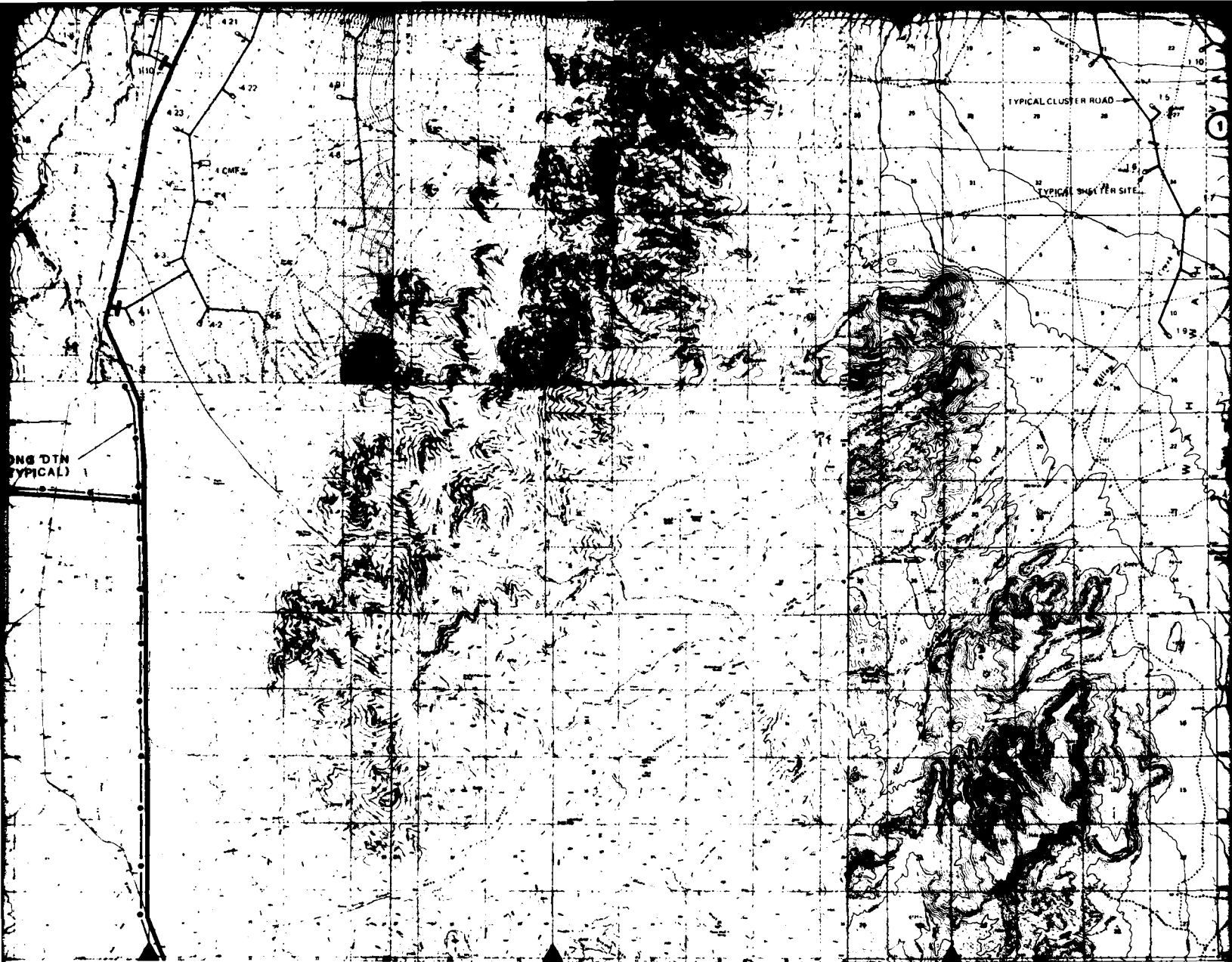


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



R16W

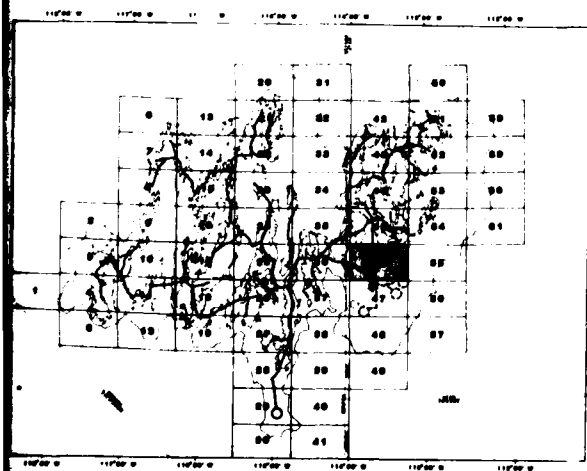
R15W

113° 30' 00" W

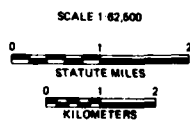
R14W

MAP SHEET LOCATION

SEE DRAWING # 4.



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

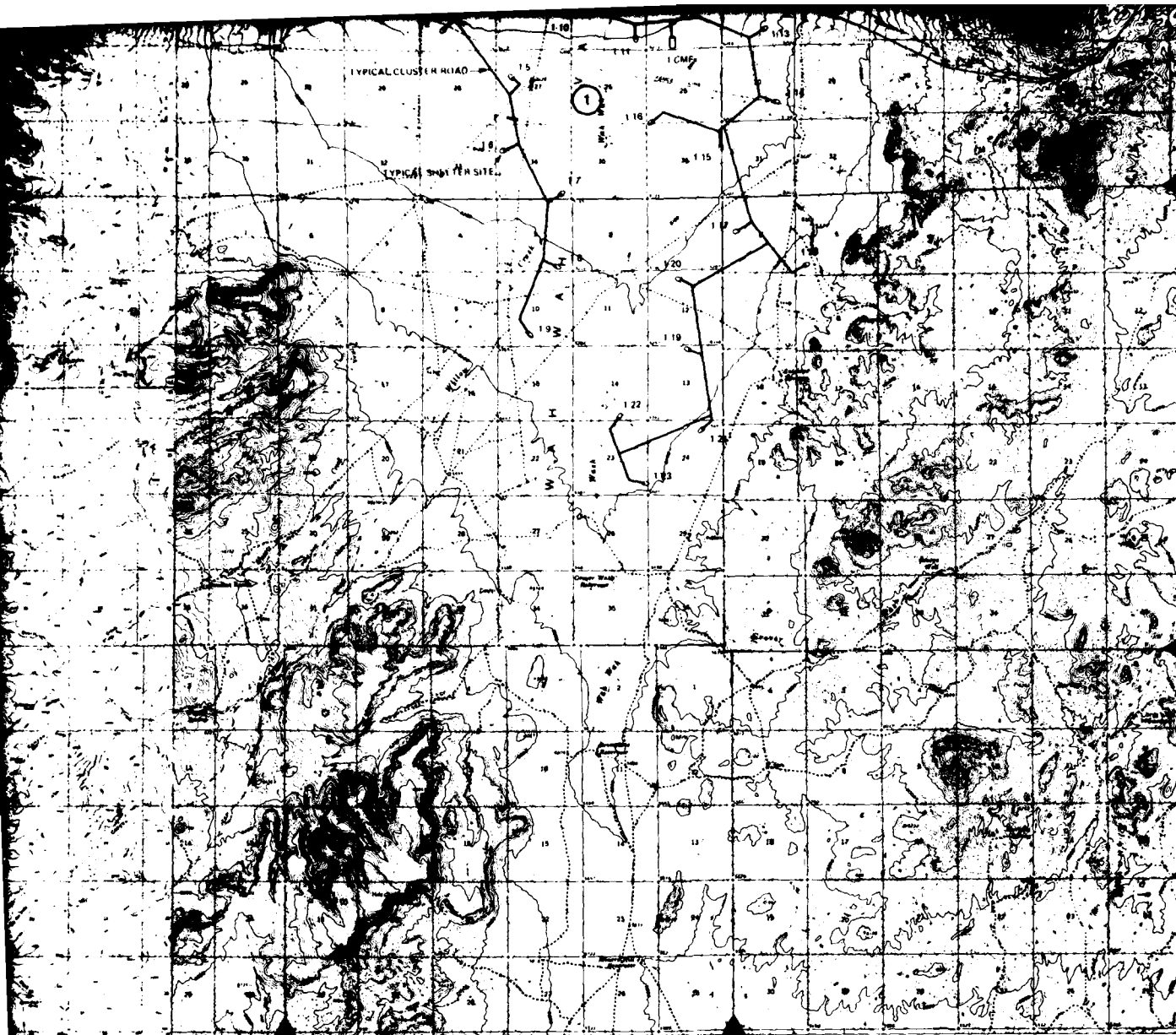


NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS

SEE DRAWING #55



T285

T295

38° 15' 00" N

R15W 113° 30' 00" W

R14W

R13W

113° 15' 00" W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: NONE
COUNTY: MILLARD, DEAEVER	STATE ROADS: HWY 21
LOCAL COMMUNITY: NONE	FEDERAL ROADS: NONE

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE		DATE	PINE AND WAH WAH VALLEYS, UTAH 5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY: <i>[Signature]</i>		9/18/81	
CHECKED BY: <i>[Signature]</i>		9/18/81	
GEOLOGICAL: <i>[Signature]</i>		9/18/81	
ENVIRONMENTAL: <i>[Signature]</i>		9/18/81	
SYSTEMS ENGINEER:		APPROVED BY:	DATE
CORPS OF ENGINEERS:		AIR FORCE REGIONAL CIVIL ENGINEER - MX	
APPROVED BY:		DRAWING NUMBER 48	REV
USAF BALLISTIC MISSILE OFFICE		SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	09/18/81	INITIAL DESIGN	<i>[Signature]</i>	9/18/81

REVISIONS

113°15'00"W

R12W

R11W

113°00'00"

38°00'00"N

T21S

T22S

T23S

38°45'00"N

T24S

SEE DRAWING #45

BEVIER LAKE

WAH WAH VALLEY

TYPICAL SHELTER SITE

TYPICAL CLUSTER ROAD

5 12

5 13

5 16

5 17

5 10

5 14

5 15

5 18

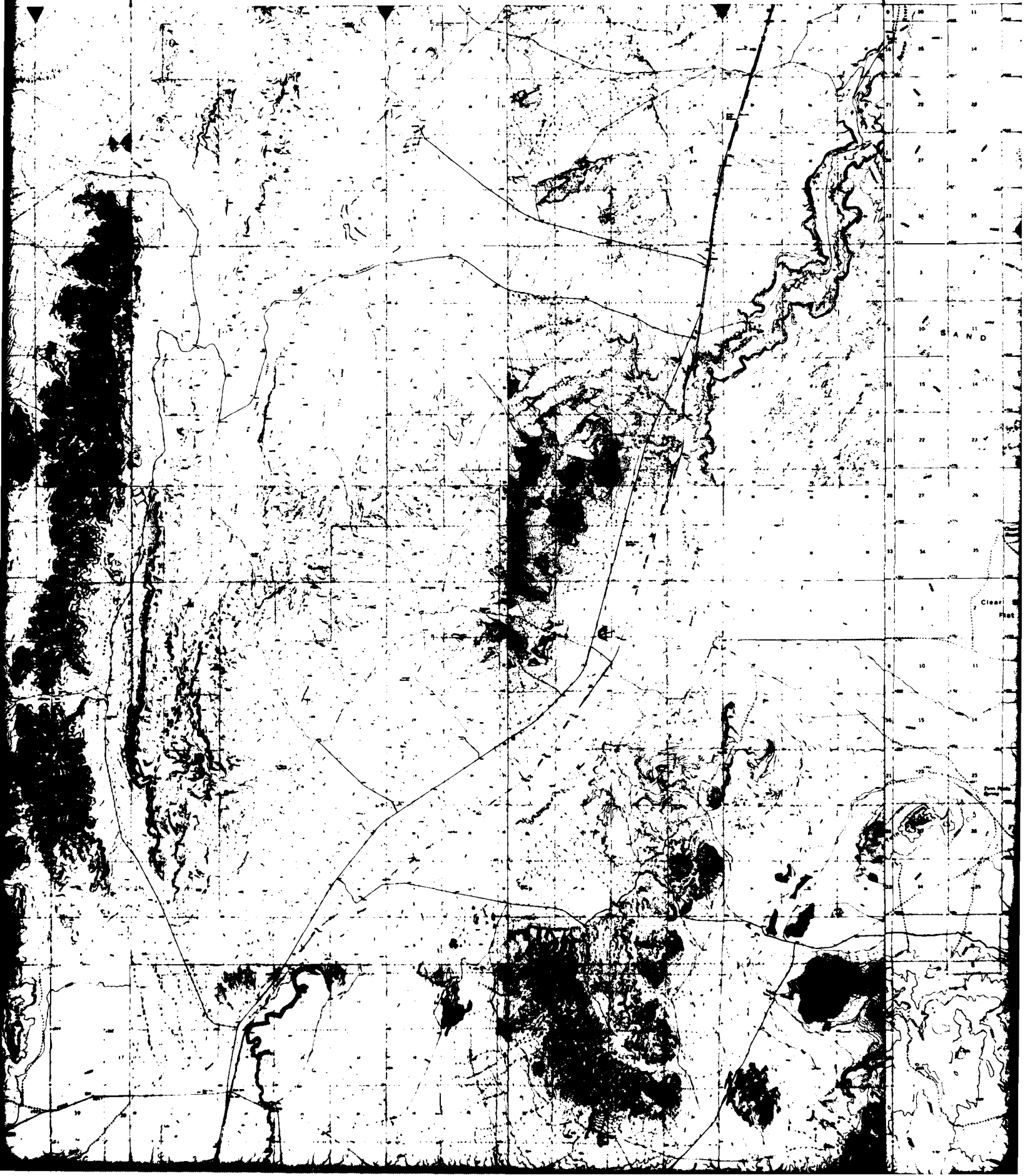


113°00'00"W

R10W

SEE DRAWING #53
R9W

R8W
112°45'00"W



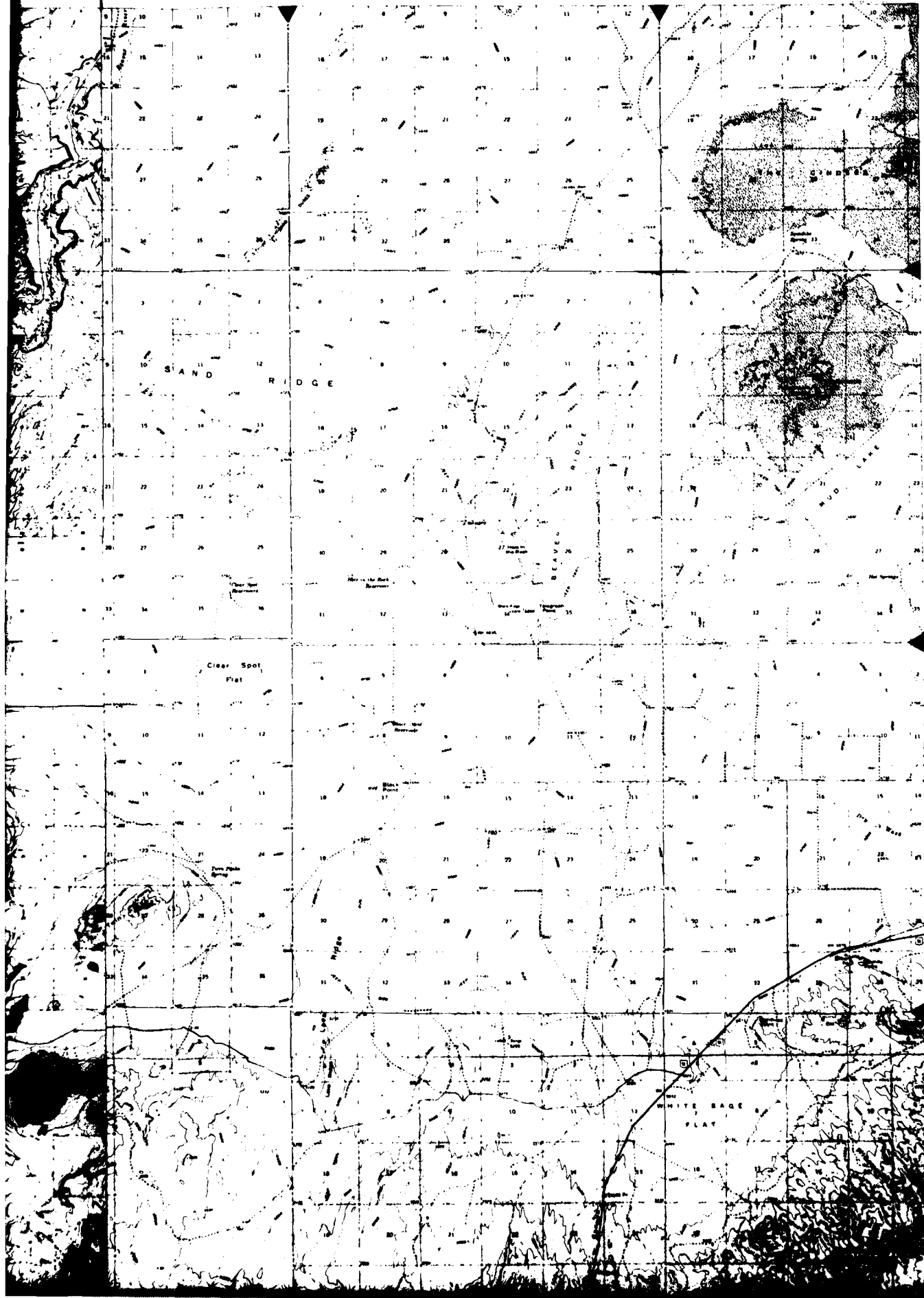
R8W
112°45'00"W

R7W

R6W

12°30'00"W

39°00'00"N



T21S

T22S

SEE DRAWING
#61

T23S

38°45'00"N

T24S

SEE DRAWING
#45

T23S

38° 45' 00" N

T24S

T25S

38° 37' 30" N

113° 15' 00" W

R12W

R11W

113° 00' 00" W

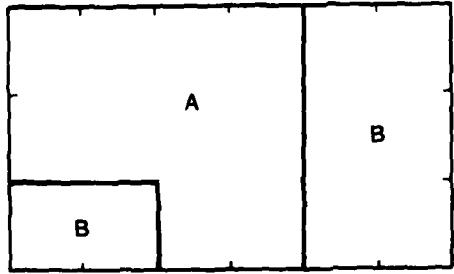
SEVIER LAKE

WAH WAH VALLEY

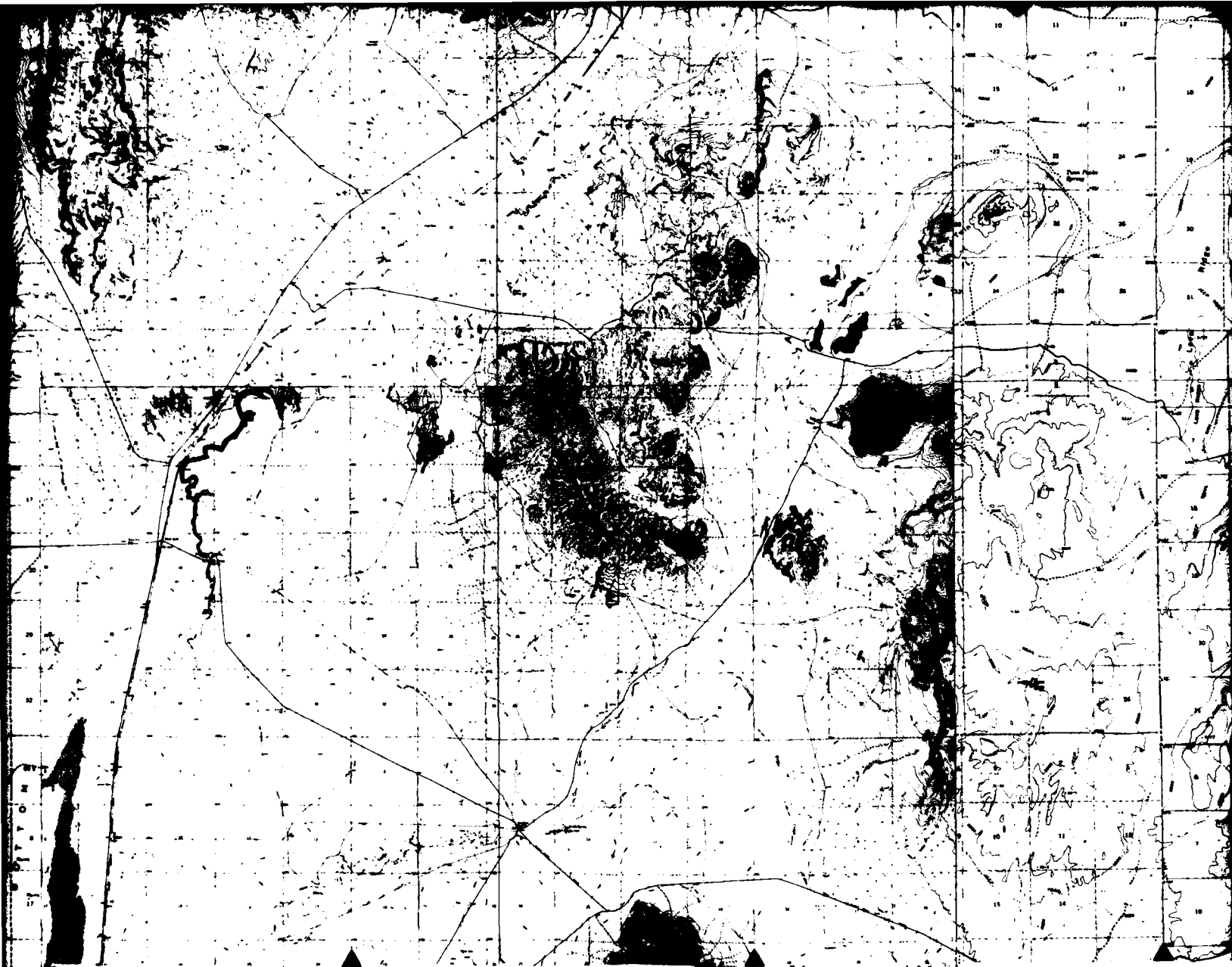
TYPICAL SHELFER SITE

TYPICAL CLUSTER ROAD

BASE MAP SOURCE INSET



- A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)
- B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)
- C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)
- D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



113° 00' 00" W

R10W

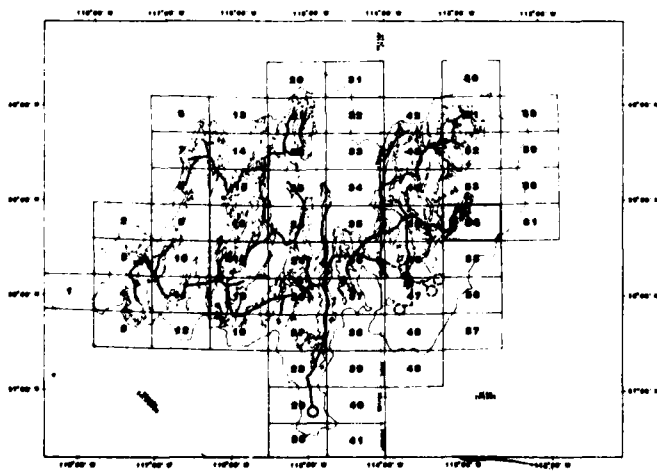
R9W

112° 45' 00" W

R8W

MAP SHEET LOCATION

SEE DRAWING #55



NORTH

SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



STATUTE MILES

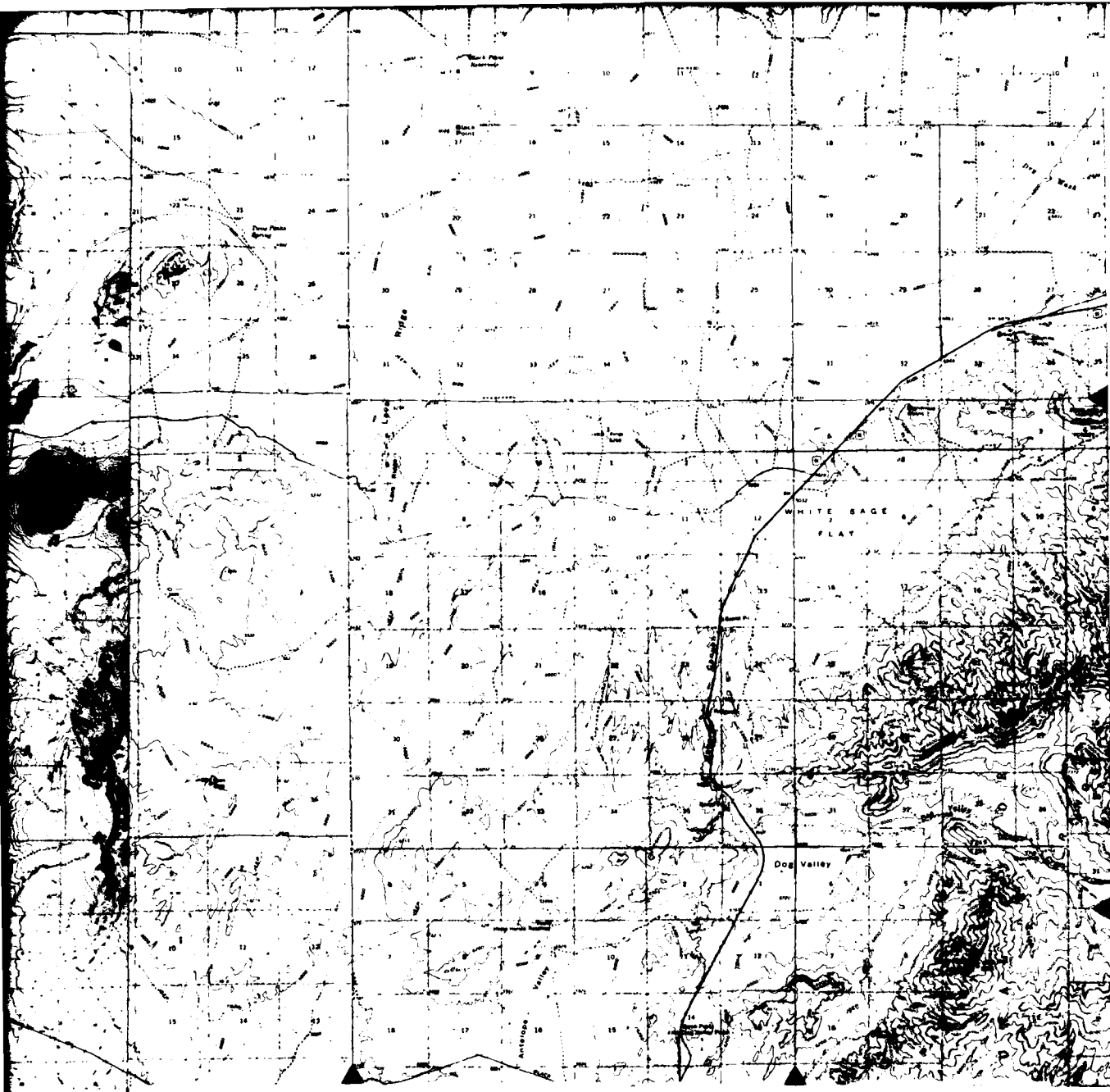


KILOMETERS

NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION

REVISIONS



SEE DRAWING #61

T23S

38° 45' 00'' N

T24S

T25S

38° 37' 30'' N

112° 45' 00'' W
R7W

R7W

R6W

112° 30' 00'' W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: MILLARD	STATE ROADS: HWY 257
LOCAL COMMUNITY: NONE	FEDERAL ROADS: HWY 91

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY <i>B. H. ...</i>	9/17/81
CHECKED BY <i>J. ...</i>	
GEOTECHNICAL <i>Stanley H. ...</i>	9/17/81
SITING <i>...</i>	9/17/81
ENVIRONMENTAL	

WAH WAH VALLEY, UTAH

5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

REVISIONS

APPROVED BY	DRAWING NUMBER: 54	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

115° 30' 00" W
37° 30' 00" N

R58E

R59E

115° 15'

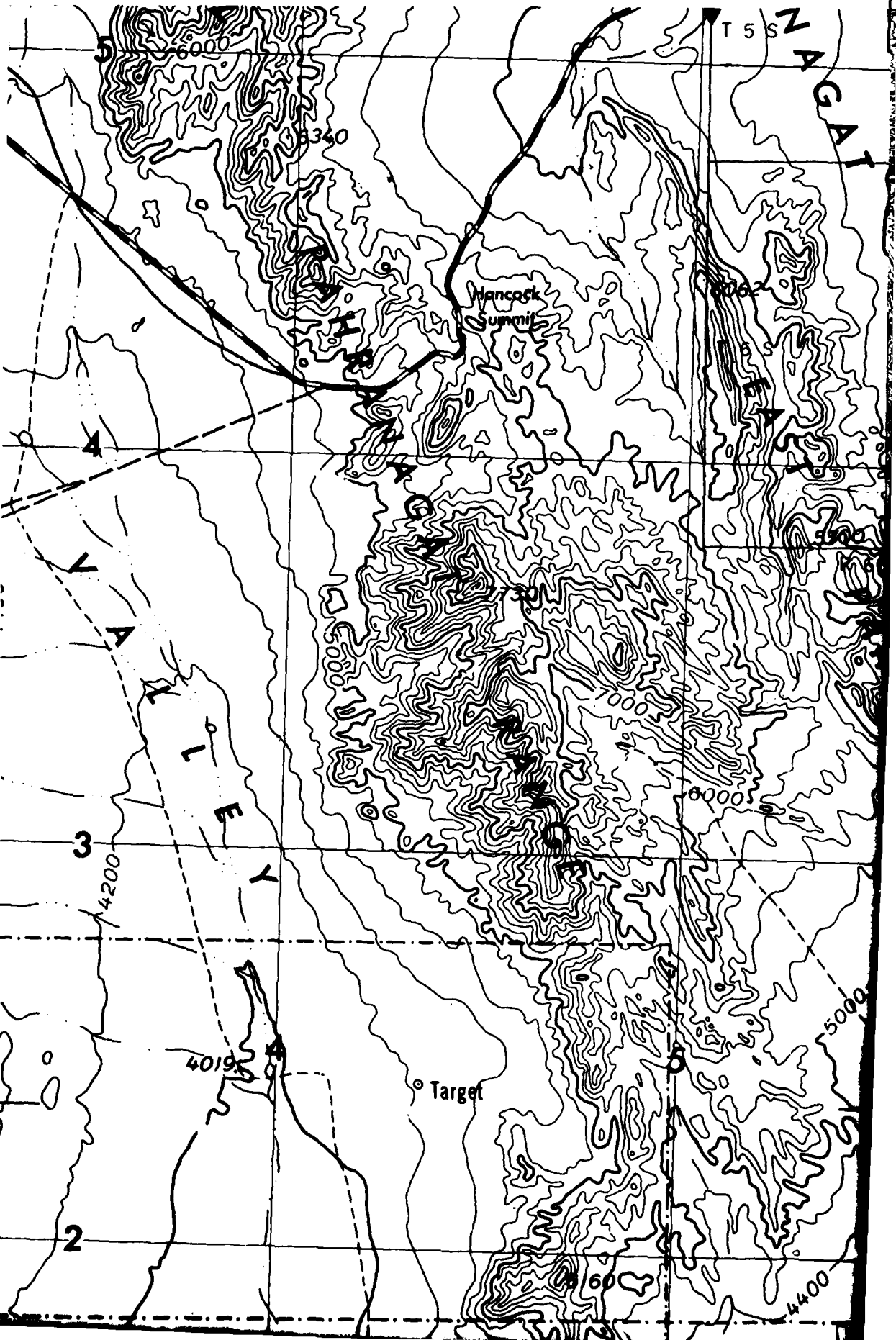
T5S

T6S

T7S

NONE

37° 15' 00" N
T8S



R61E

SEE DRAWING #27

R62E

115°00'00"W

R63E



SEE 1 500

DTN

M. BERLIN
DTN
PHYSICAL

115°00'00"W

R63E

R64E

114°45'00"W

37°30'00"N

T5S

T6S

T7S

SEE DRAWING
39

37°15'00"N

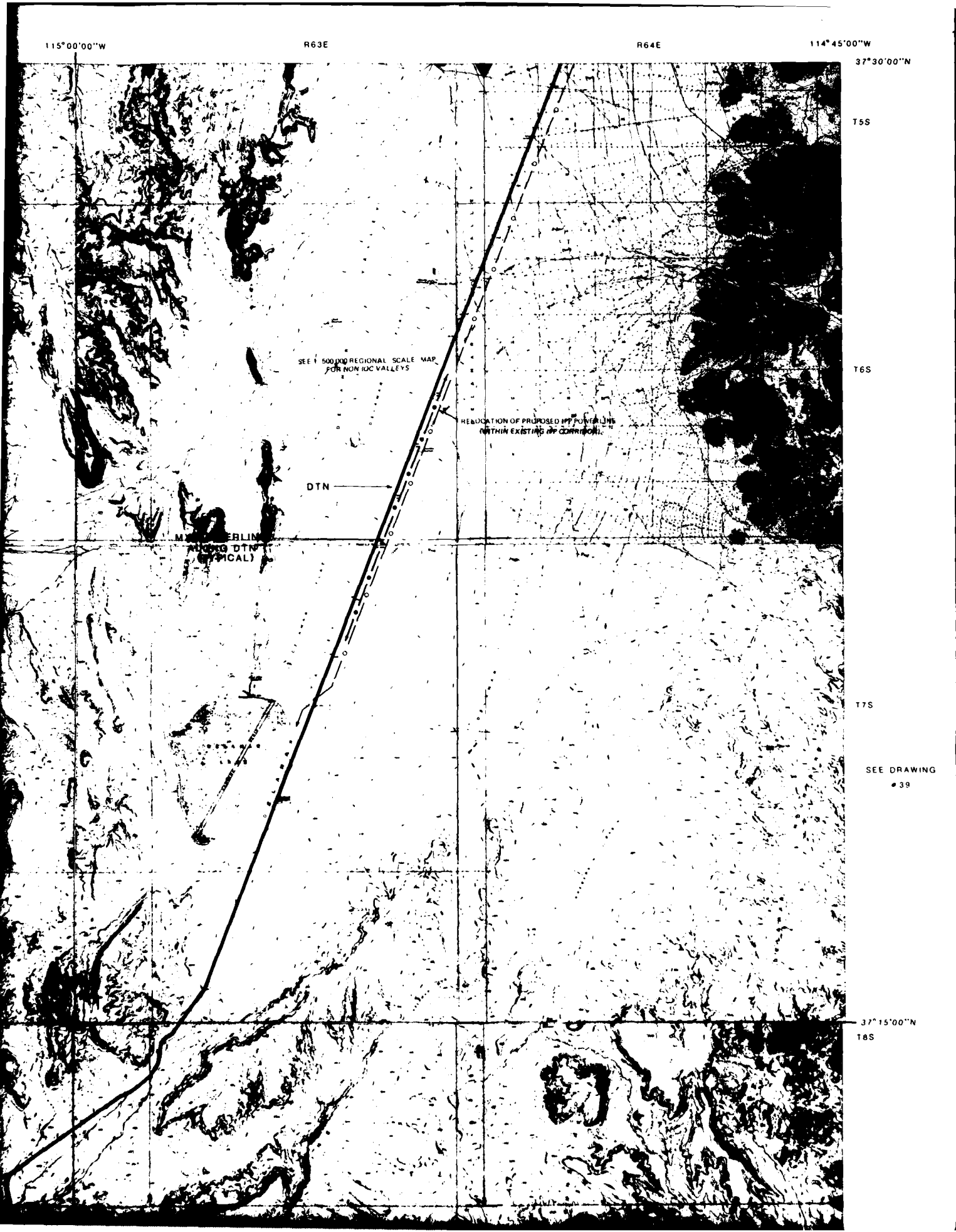
T8S

SEE 1:500,000 REGIONAL SCALE MAP
FOR NON-ROC VALLEYS

RELOCATION OF PROPOSED 117 POWER LINES
WITHIN EXISTING 117 CORRIDOR

DTN

MADISON RIVER
ALONG DTN (TYPICAL)



AD-A113 218

ERTEC WESTERN INC LONG BEACH CA

F/8 13/2

MX SITING INVESTIGATION. MX SYSTEM SITING SUMMARY REPORT. LAND --ETC(U)

JAN 82

F04704-80-C-0006

NL

UNCLASSIFIED

E-TR-58-VOL-3

3 13

AT 13

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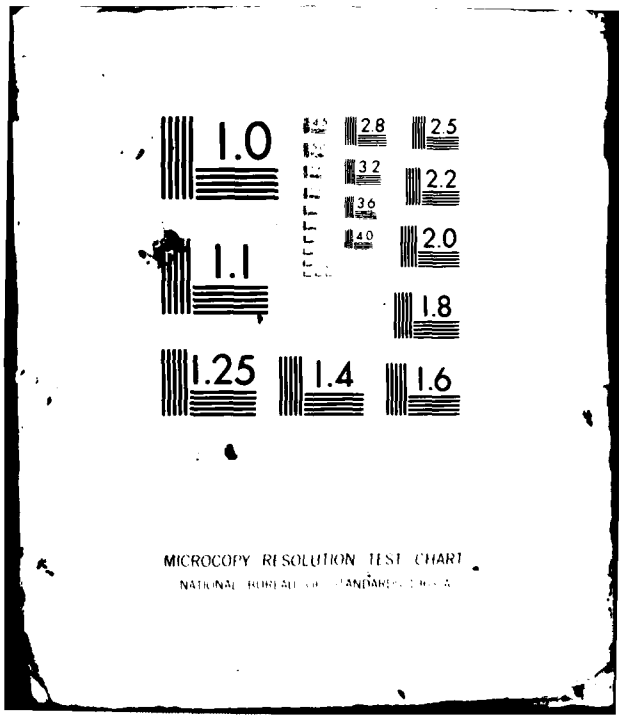
47 13

48 13

49 13

50 13

END
DATE
FILMED
5 82
DTIC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NONE

37°15'00"N
T8S

T9S

37°07'30"N

115°30'00"W

R58E

R59E

115°15'00"

R60E

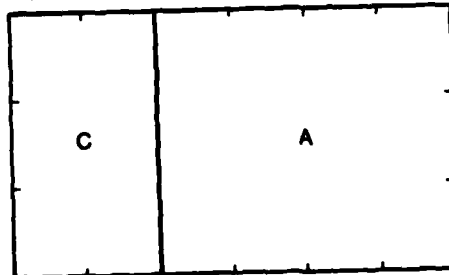
NGE

4019

Target

Target

BASE MAP SOURCE INSET

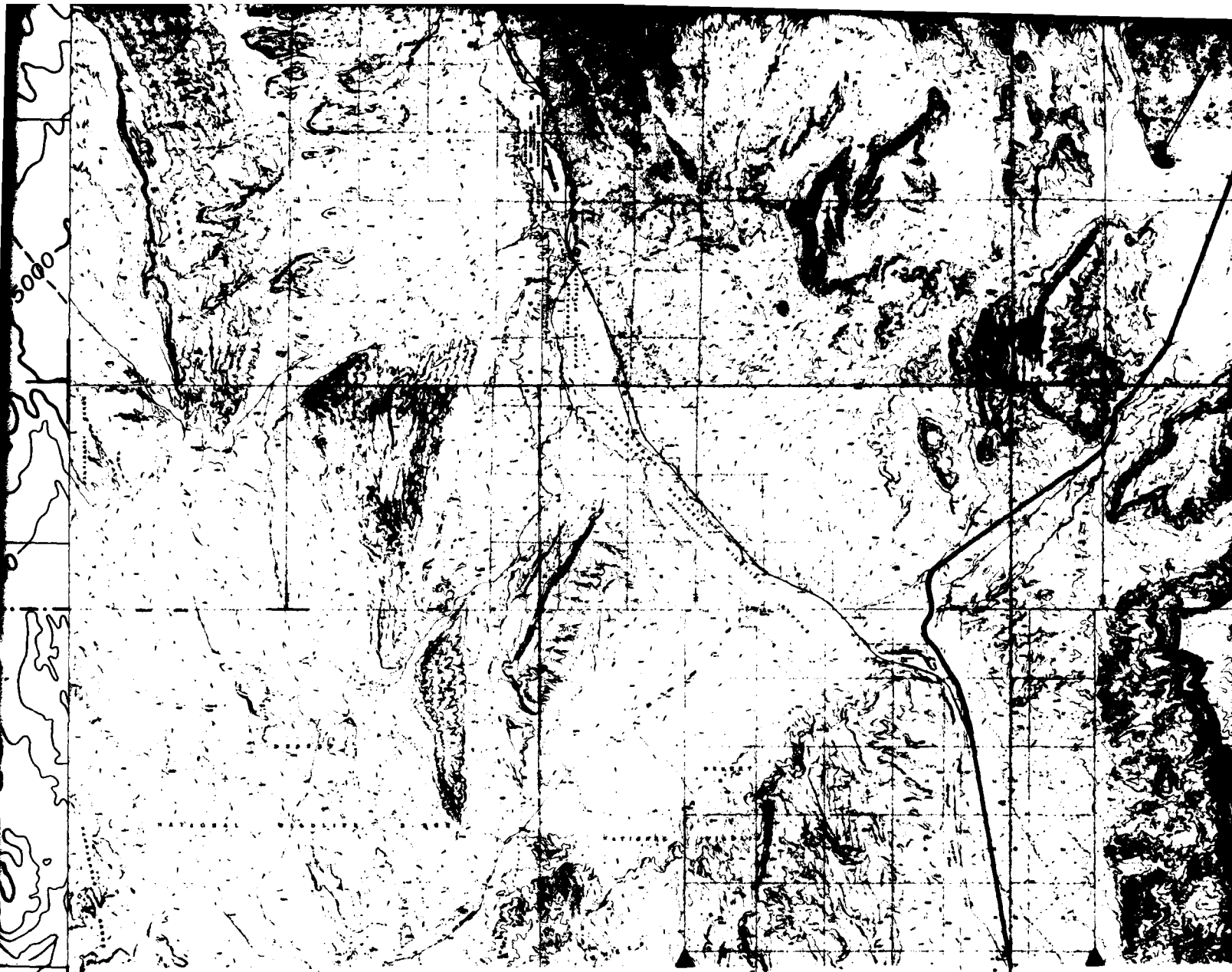


A. 7½ MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



115° 15' 00" W
R60E

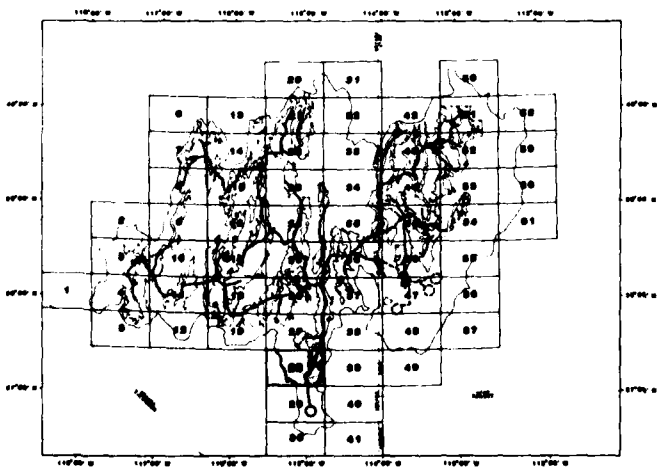
R61E

R62E

115° 00' 00" W

MAP SHEET LOCATION

SEE DRAWING # 29



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

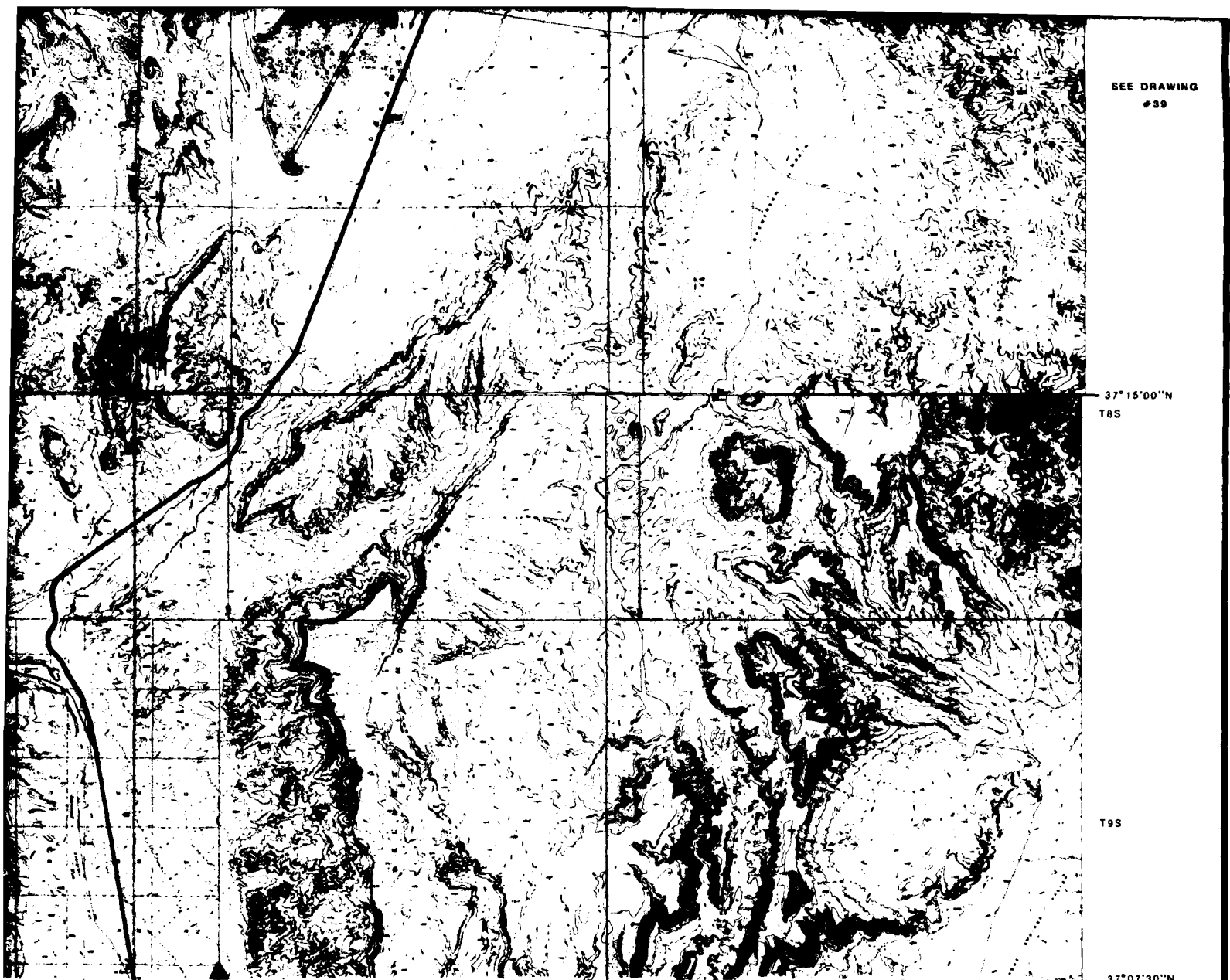
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	10/1/71	REVISED HWYL, ADDED PERMANENT

REVIS



SEE DRAWING #39

37°15'00"N
T8S

T9S

37°07'30"N

R62E 115°00'00"W R63E R64E 114°45'00"W

PROJECT MAP SHEET

STATE: NEVADA	RAILROADS: NONE
COUNTY: LINCOLN	STATE ROADS: NONE
LOCAL COMMUNITY: ALAMO	FEDERAL ROADS: HWY 89

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	DTN FROM COYOTE SPRING MAIN OPERATING BASE TO DRY LAKE VALLEY
DRAWN BY: <i>John</i>	3/81	
CHECKED BY: <i>James</i>	3/81	
GEOTECHNICAL: <i>John</i>	3/81	
ENVIRONMENTAL: <i>John</i>	3/81	5200 FOOT 2/3 FILLED HEXAGONAL MPS LAYOUT MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/AUTAM
SYSTEMS ENGINEER	APPROVED BY:	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	
APPROVED BY:	DRAWING NUMBER: 28	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/1/81	REVISED 10/1, ADDED PERCENTAGE	<i>F. B. Snyder</i>	10/1/81

REVISIONS

5-TR-58-33

R59E
T17S

115° 30' 00" W

R58E

R59E

36° 45' 00" N

T14S

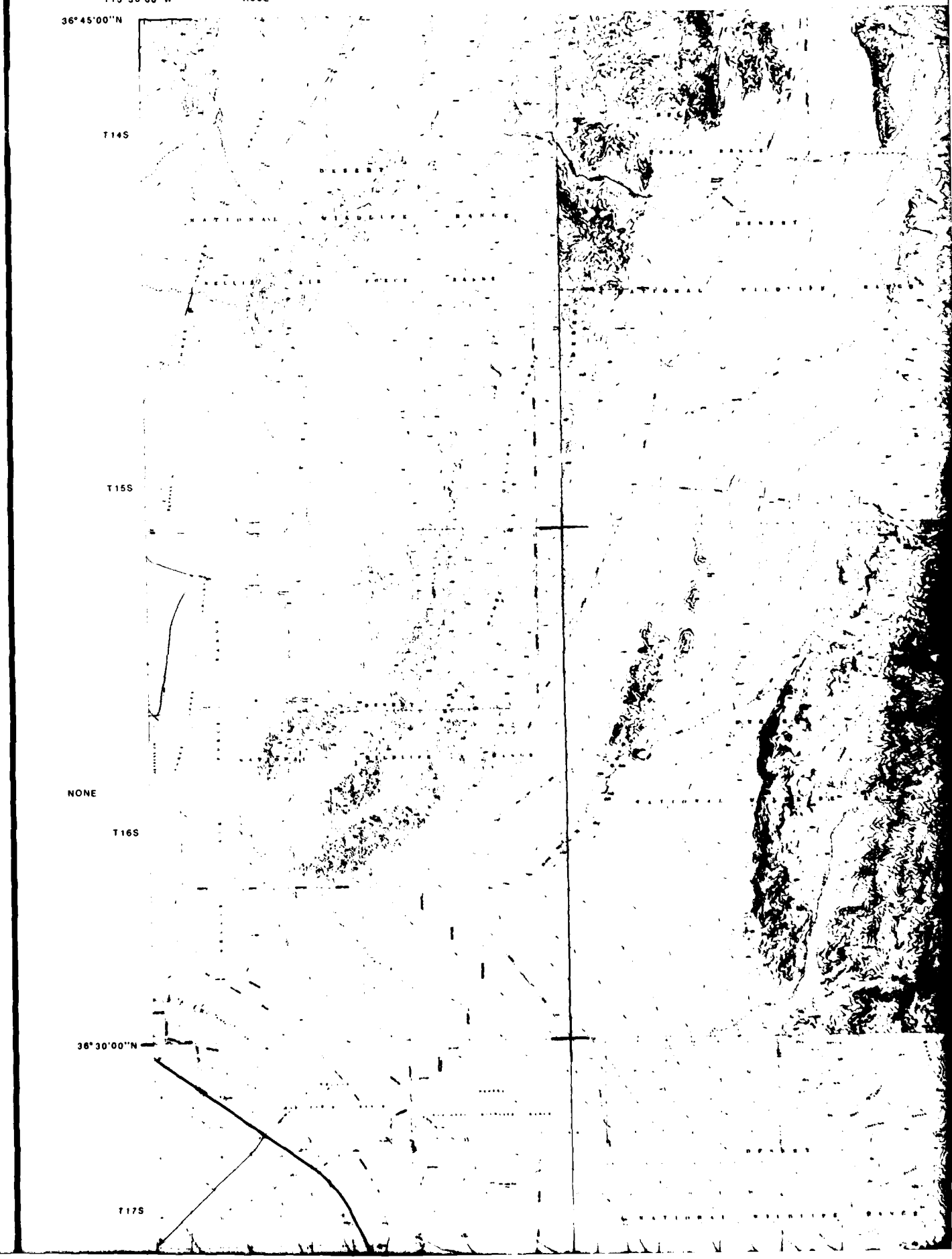
T15S

NONE

T16S

36° 30' 00" N

T17S



R60E

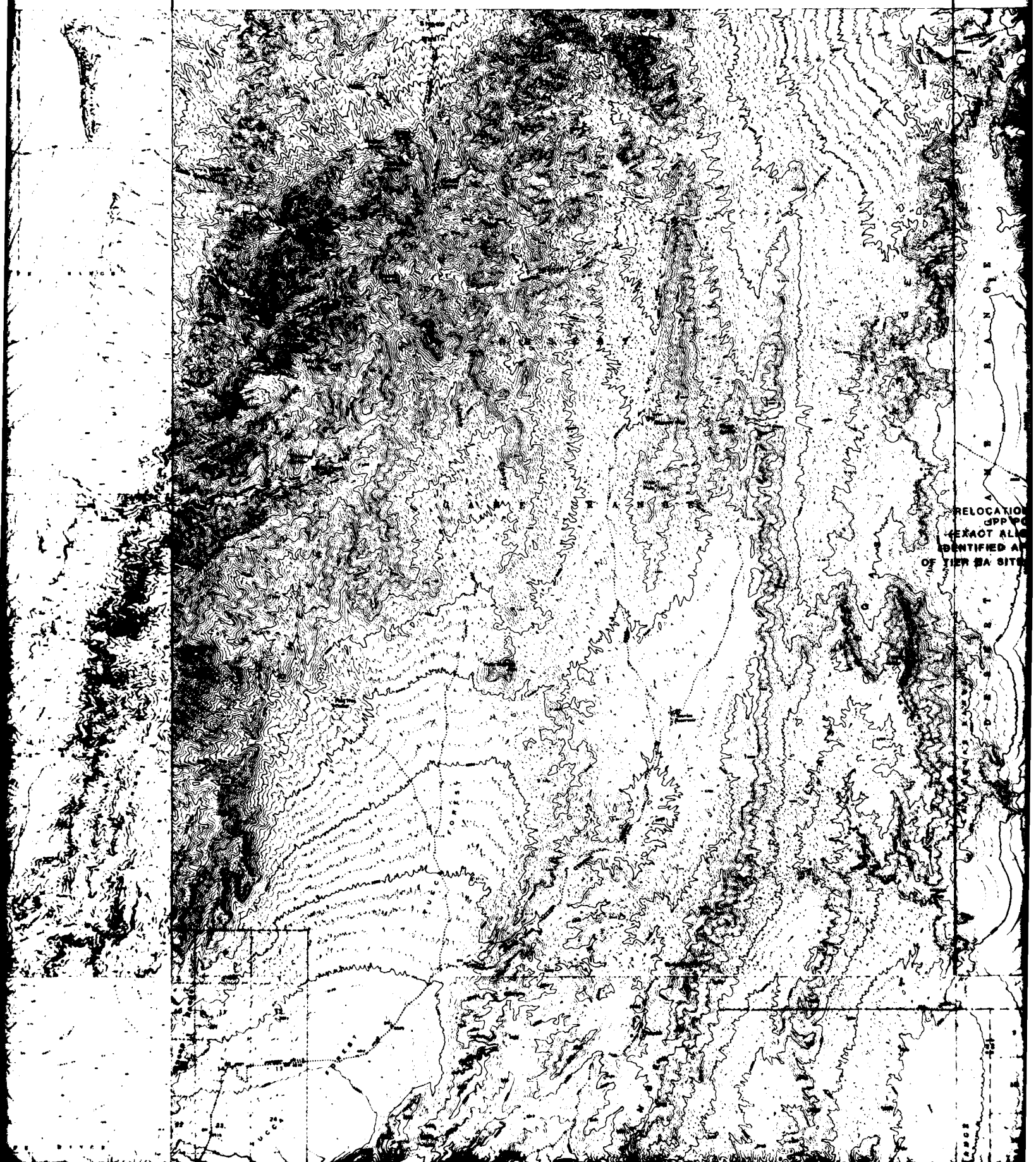
115° 15' 00" W

R61E

SEE DRAWING #29

R62E

115° 00' 00" W



RELOCATION
EXACT ALI
IDENTIFIED A
OF TIER 1A SITE

115° 00' 00" W

R62E

115°00'00"W

R63E

R64E

114°45'00"W

36°45'00"N

T14S

T15

SEE DRAWING #41

T16S

36°30'00"N

T17S

RELOCATION OF PROPOSED
JPP POWERLINES
(EXACT ALIGNMENT WILL BE
IDENTIFIED AFTER COMPLETION
OF TIER 2A SITE-SPECIFIC STUDIES)

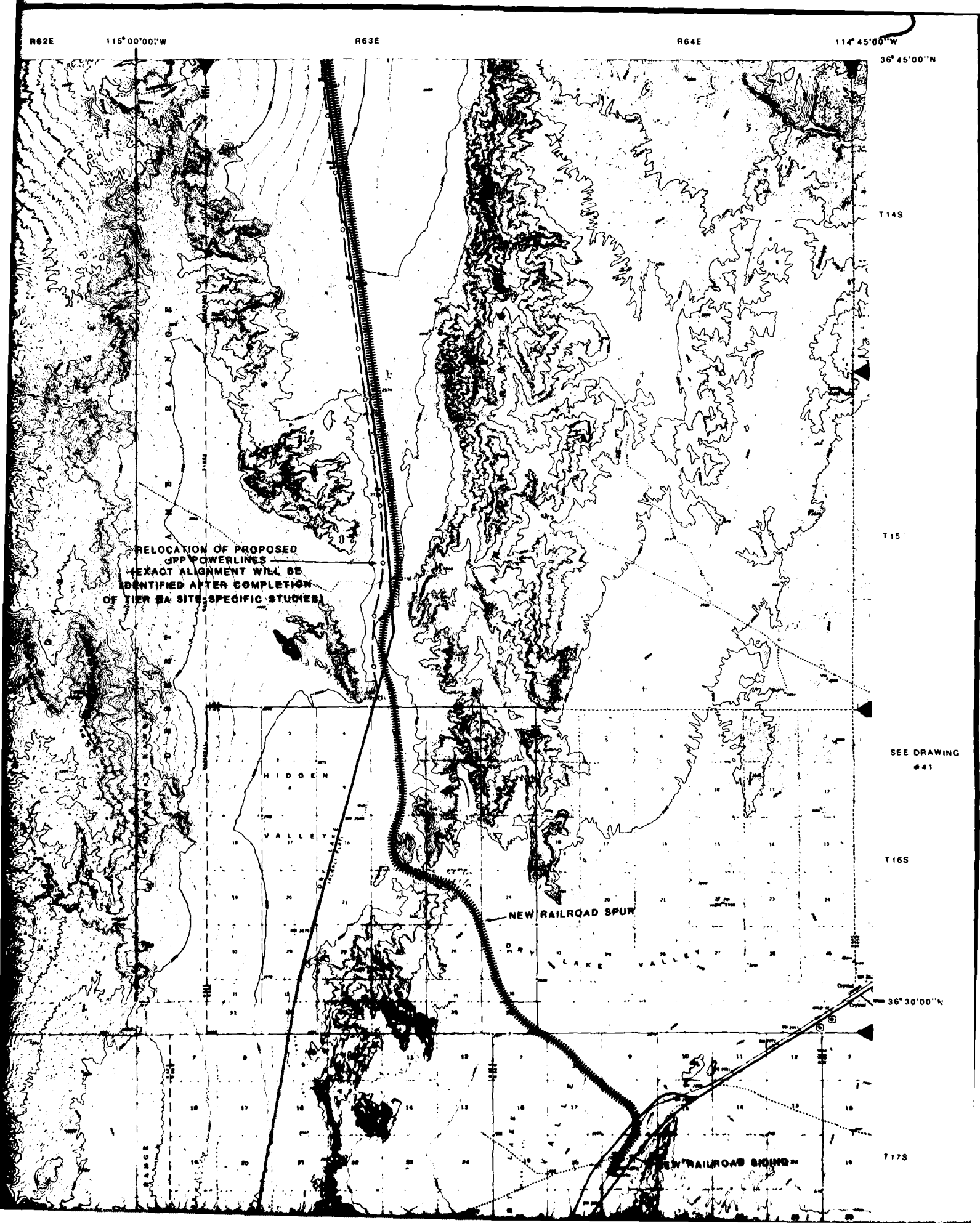
HIDDEN

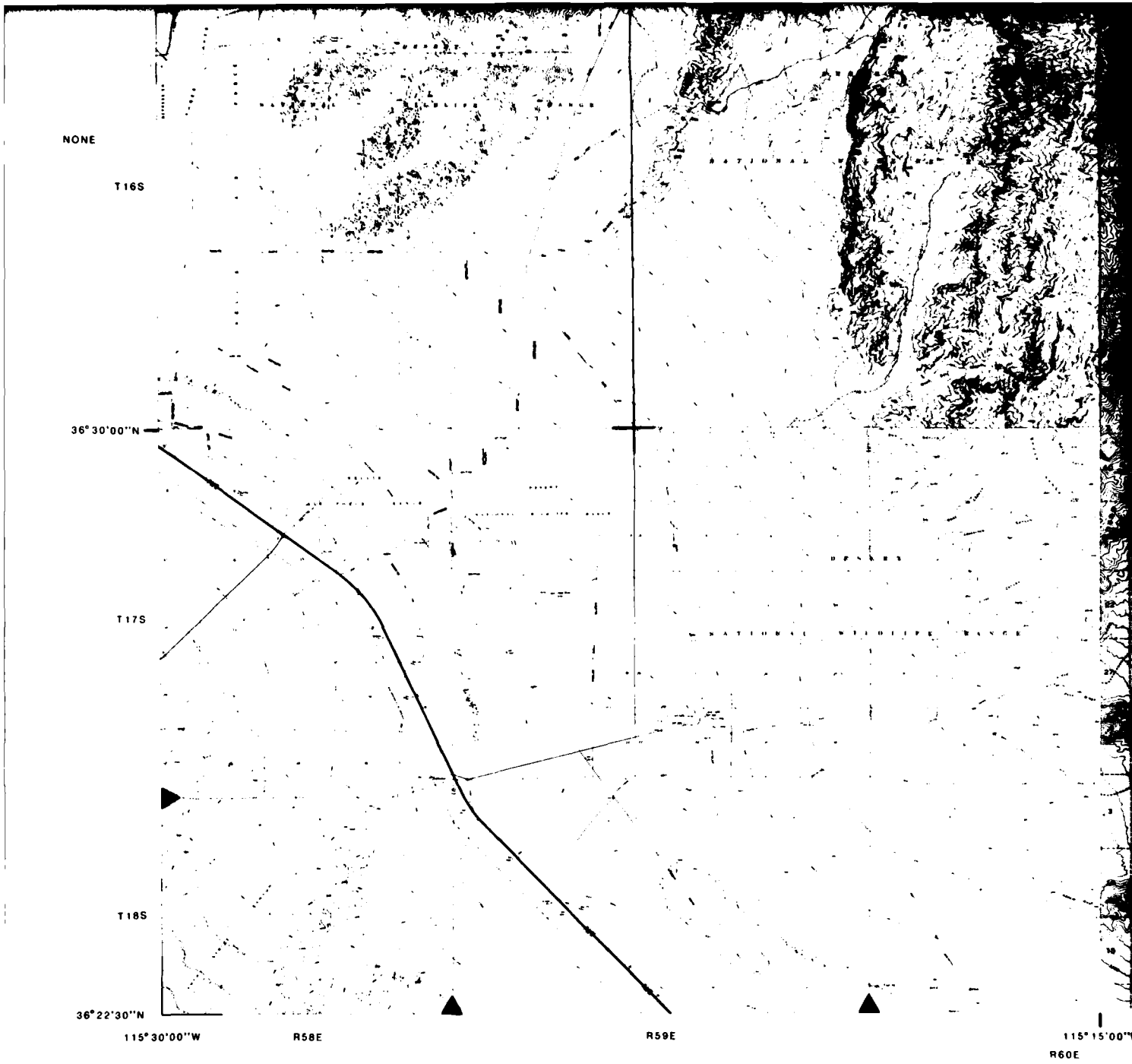
VALLEY

NEW RAILROAD SPUR

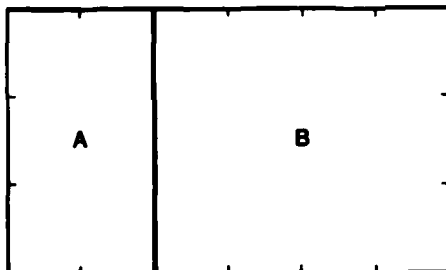
DRY LAKE VALLEY

NEW RAILROAD BRIDGE





BASE MAP SOURCE INSET

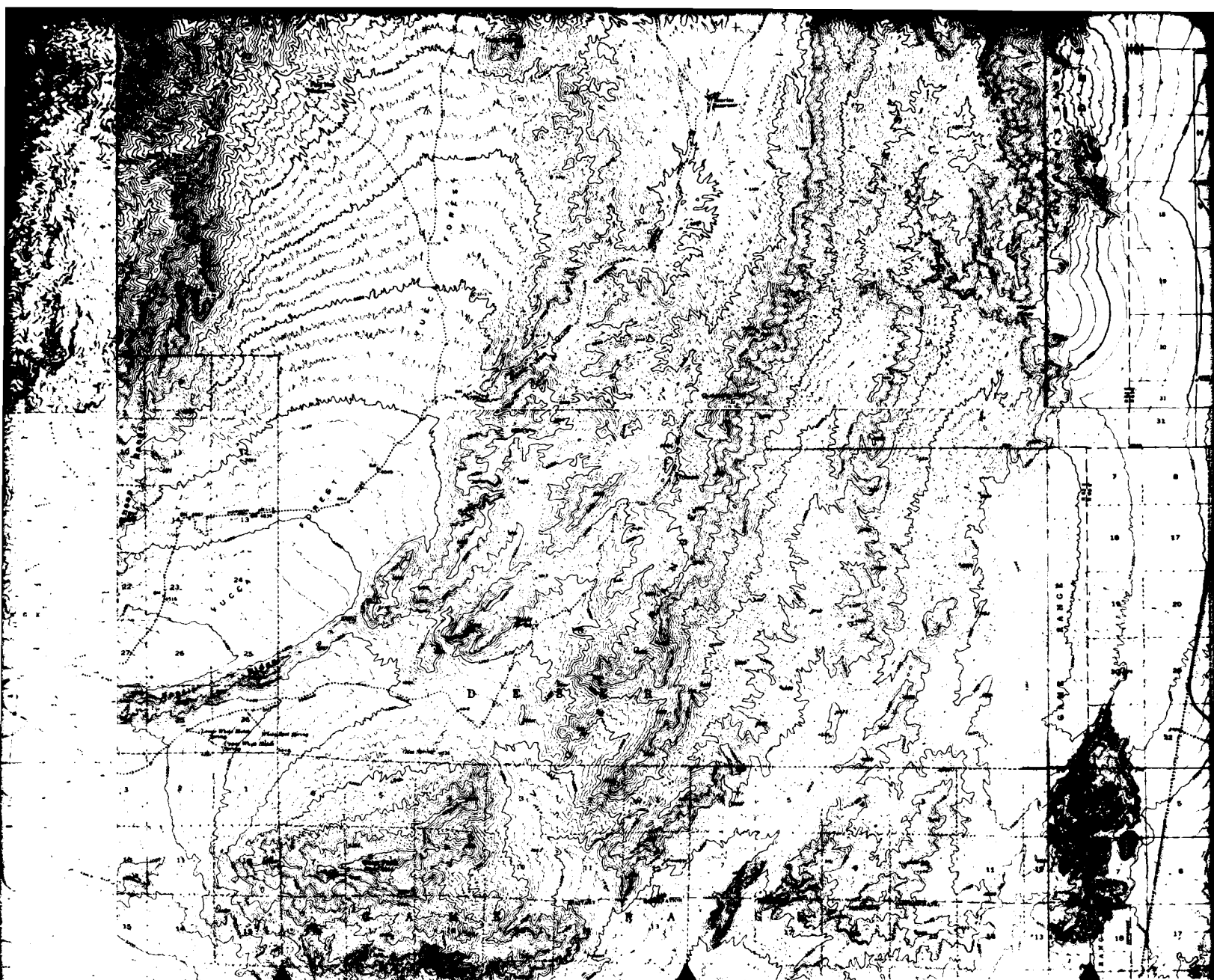


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:200,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



115° 15' 00" W
R60E

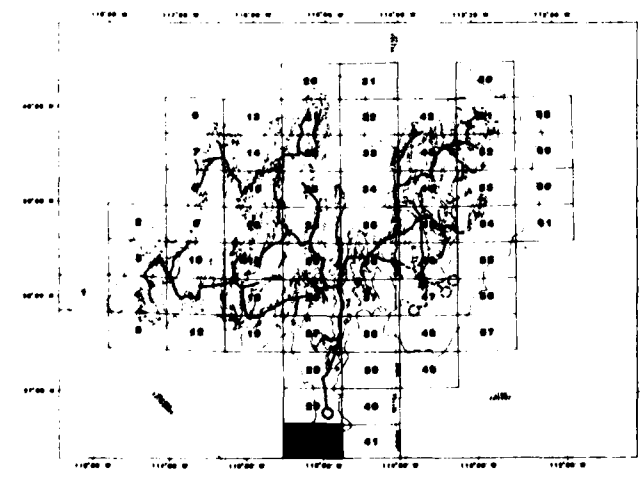
R61E

NONE

R62E

115° 00' 00" W

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

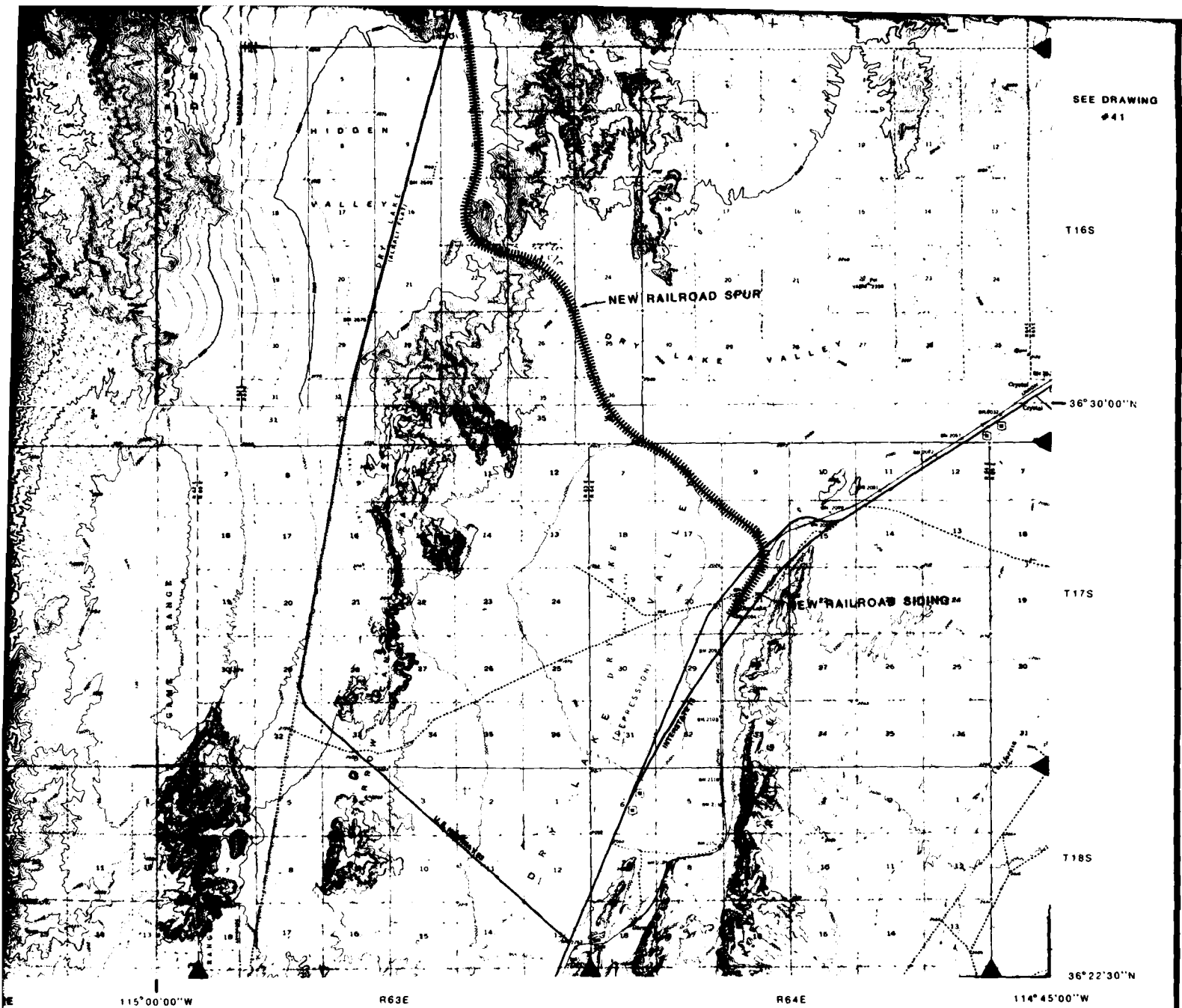
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION
1	05/01/00	ADDED TO THE SERIES

REV



SEE DRAWING #41

T16S

T17S

T18S

36°30'00"N

36°22'30"N

115°00'00"W

R63E

R64E

114°45'00"W

PROJECT MAP SHEET

STATE: NEVADA	RAILROADS: UNION PACIFIC
COUNTY: CLARK	STATE ROADS: NONE
LOCAL COMMUNITY: DRY LAKE	FEDERAL ROADS: HWY 91, 93, 95

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE	RAILROAD FROM MAINLINE TO COYOTE MAIN OPERATING BASE MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH
DRAWN BY: <i>C. [unclear]</i>	9/1/66	
CHECKED BY: <i>[unclear]</i>	9/1/66	
GEOTECHNICAL: <i>[unclear]</i>	9/1/66	
SITING: <i>[unclear]</i>	9/1/66	
ENVIRONMENTAL:		
SYSTEMS ENGINEER:		APPROVED BY:
CORPS OF ENGINEERS		DATE
APPROVED BY:		AIR FORCE REGIONAL CIVIL ENGINEER-MX
USAF BALLISTIC MISSILE OFFICE		DRAWING NUMBER: 30
		REV
		SHEET _____ OF _____

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	09/01	REVISIONS	<i>[Signature]</i>	10/2/66

36 45'00"N

T14S

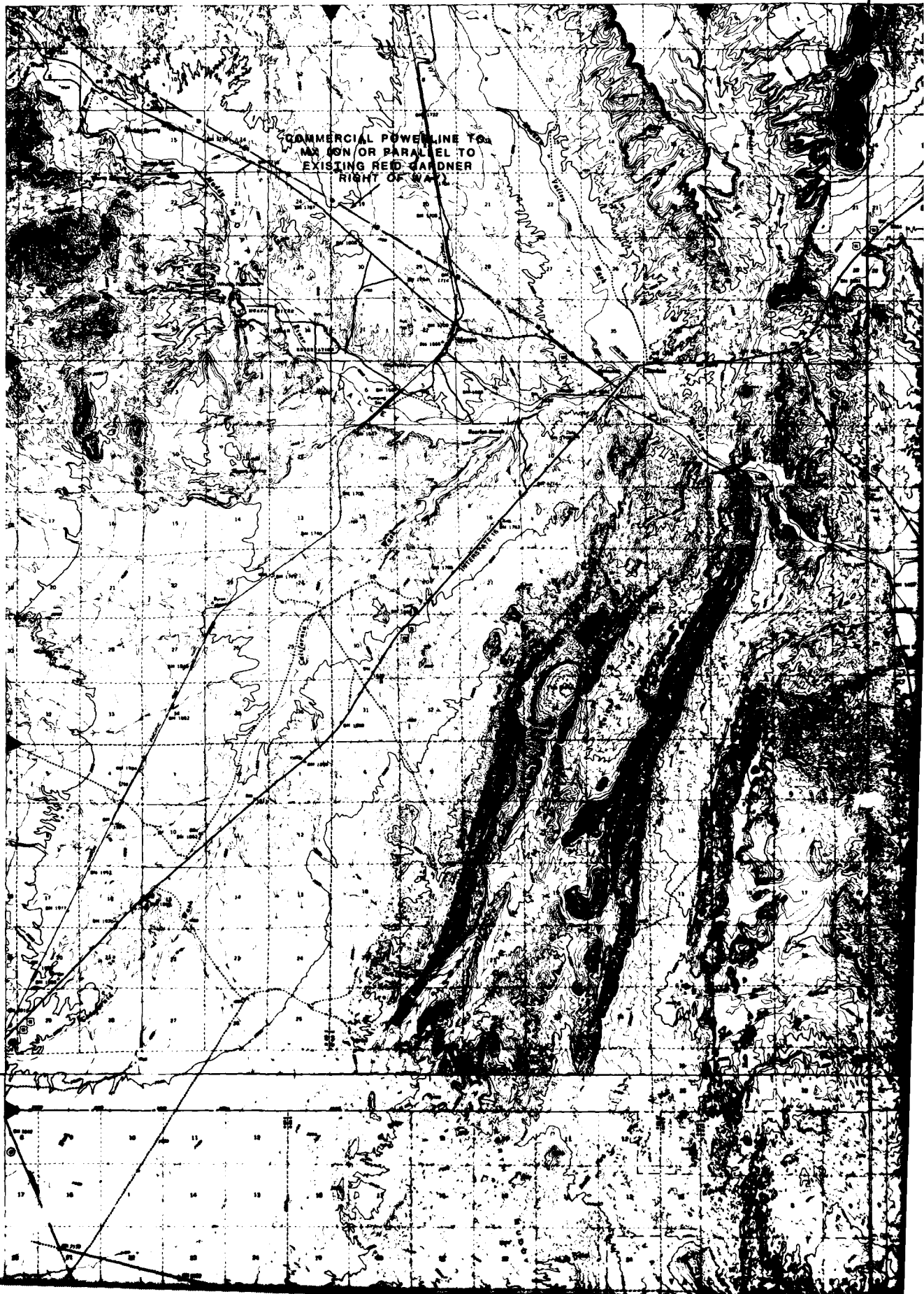
T15S

SEE DRAWING
30

T16S

36 30'00"N

T17S



2

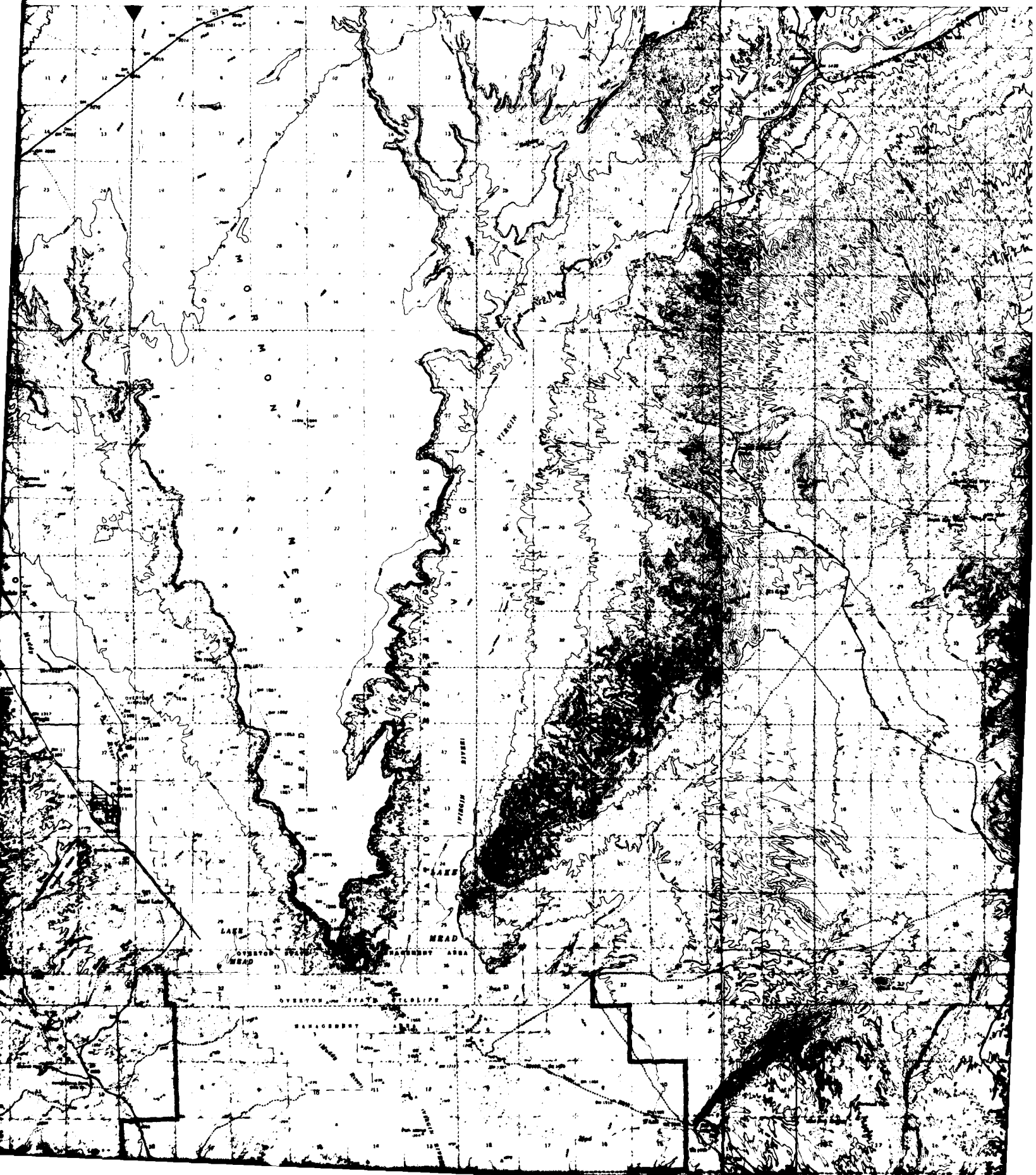
R68E

SEE DRAWING # 40

R69E

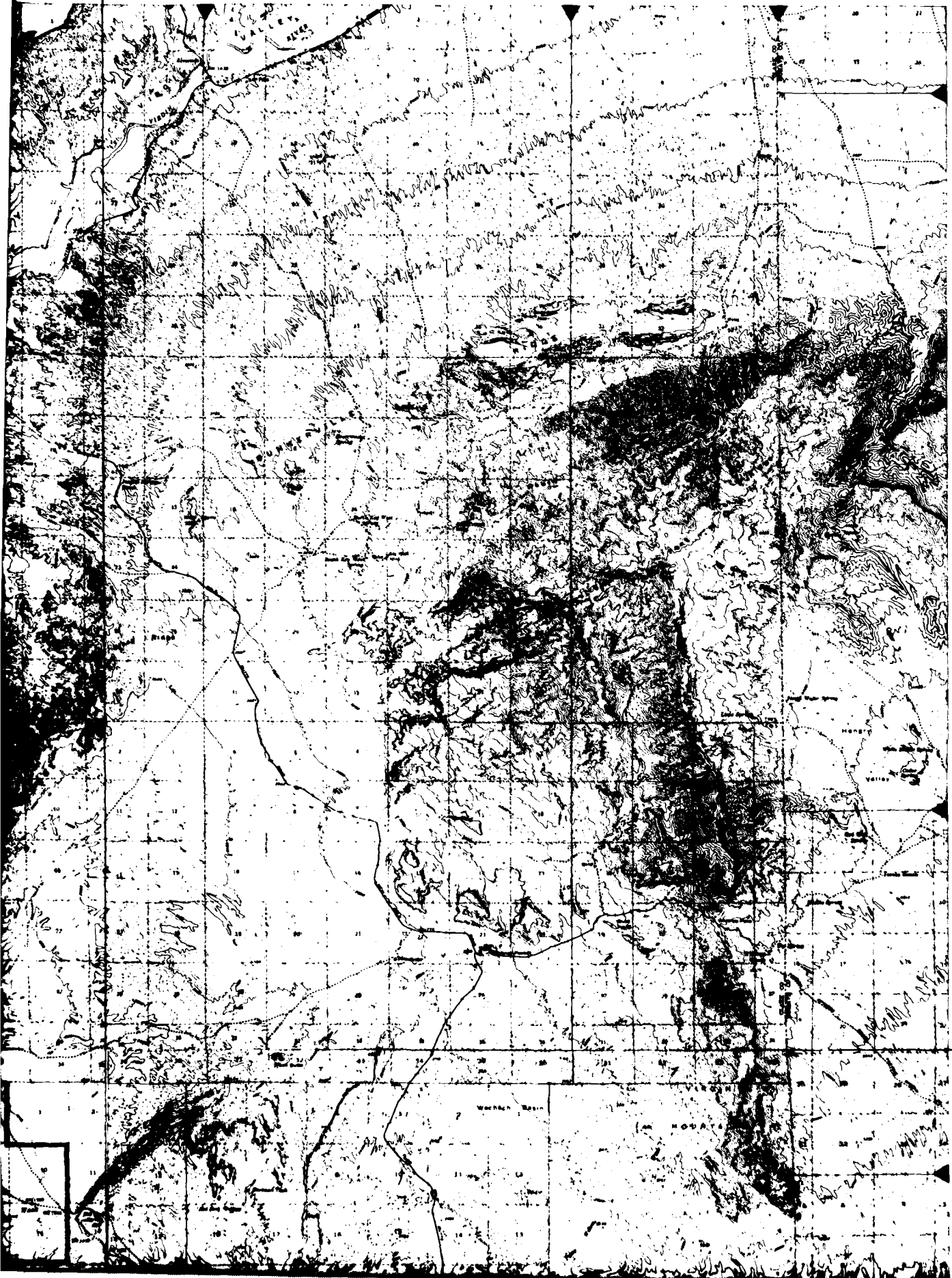
114 15' 00" W

P70E



09E 114 15 00" W R10W 114 00'00" W

36 41'00" N
134N
138N
142N
146N
150N
36 30'00" N



Wachsch Basin

HOBART

SEE DRAWING
30

T 16 S

36 30'00"N

T 17 S

T 18 S

36 22'30"N

114 45'00"W

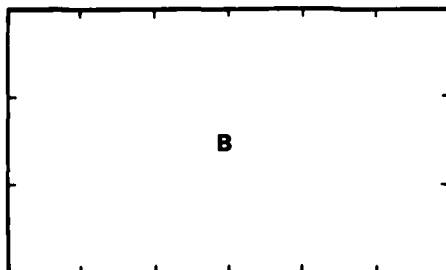
R 65 E

R 66 E

R 66 1/2 E

114 30'00"W
R 67 E

BASE MAP SOURCE INSET

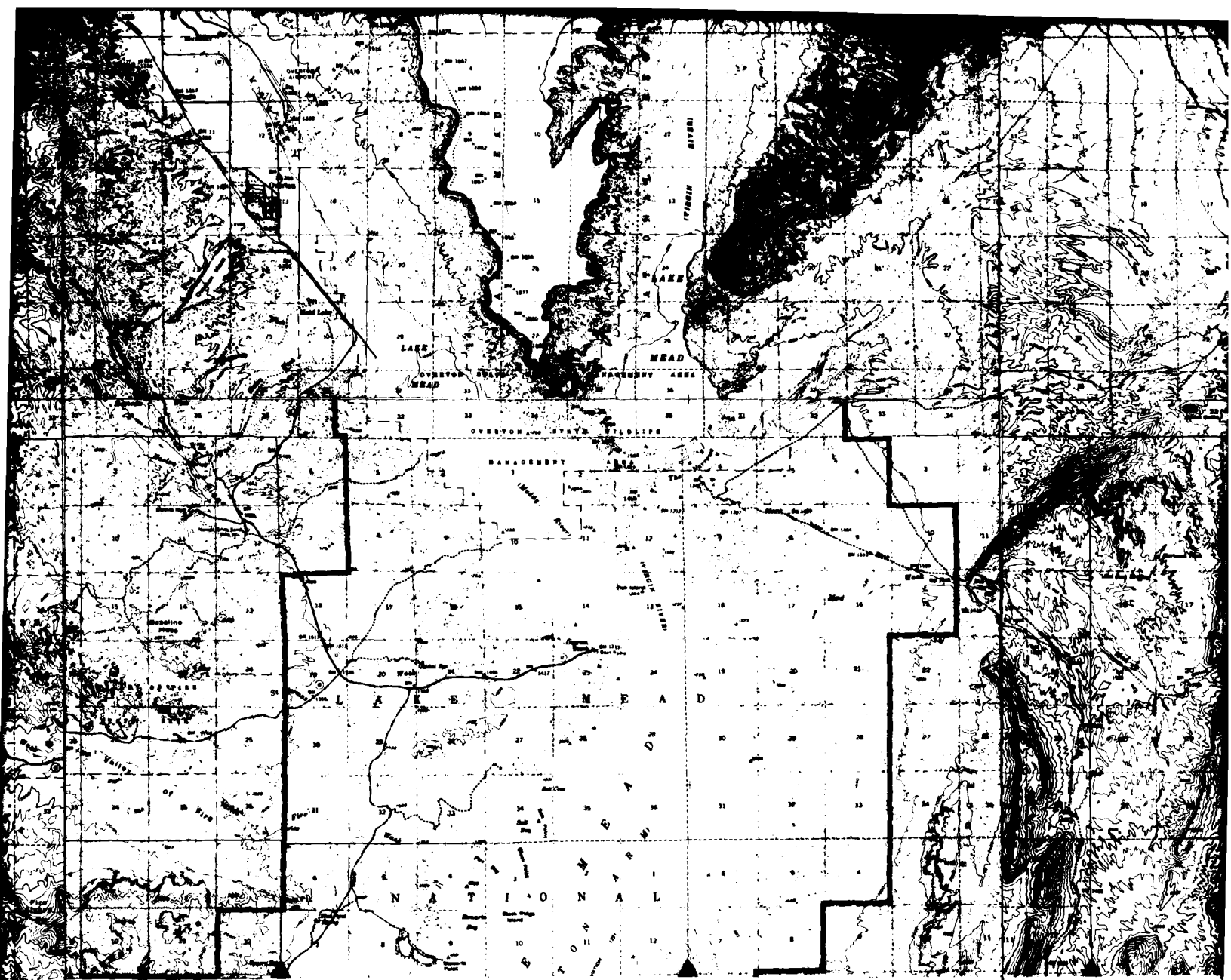


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:260,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



114 30'00"W
R67E

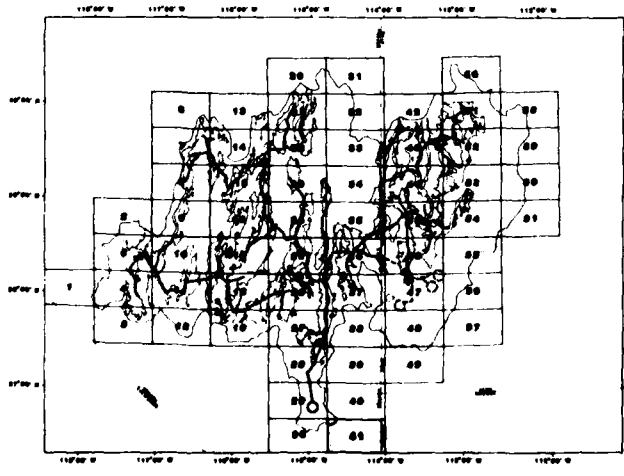
R68E

R69E

114 15'00"W

MAP SHEET LOCATION

NONE



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

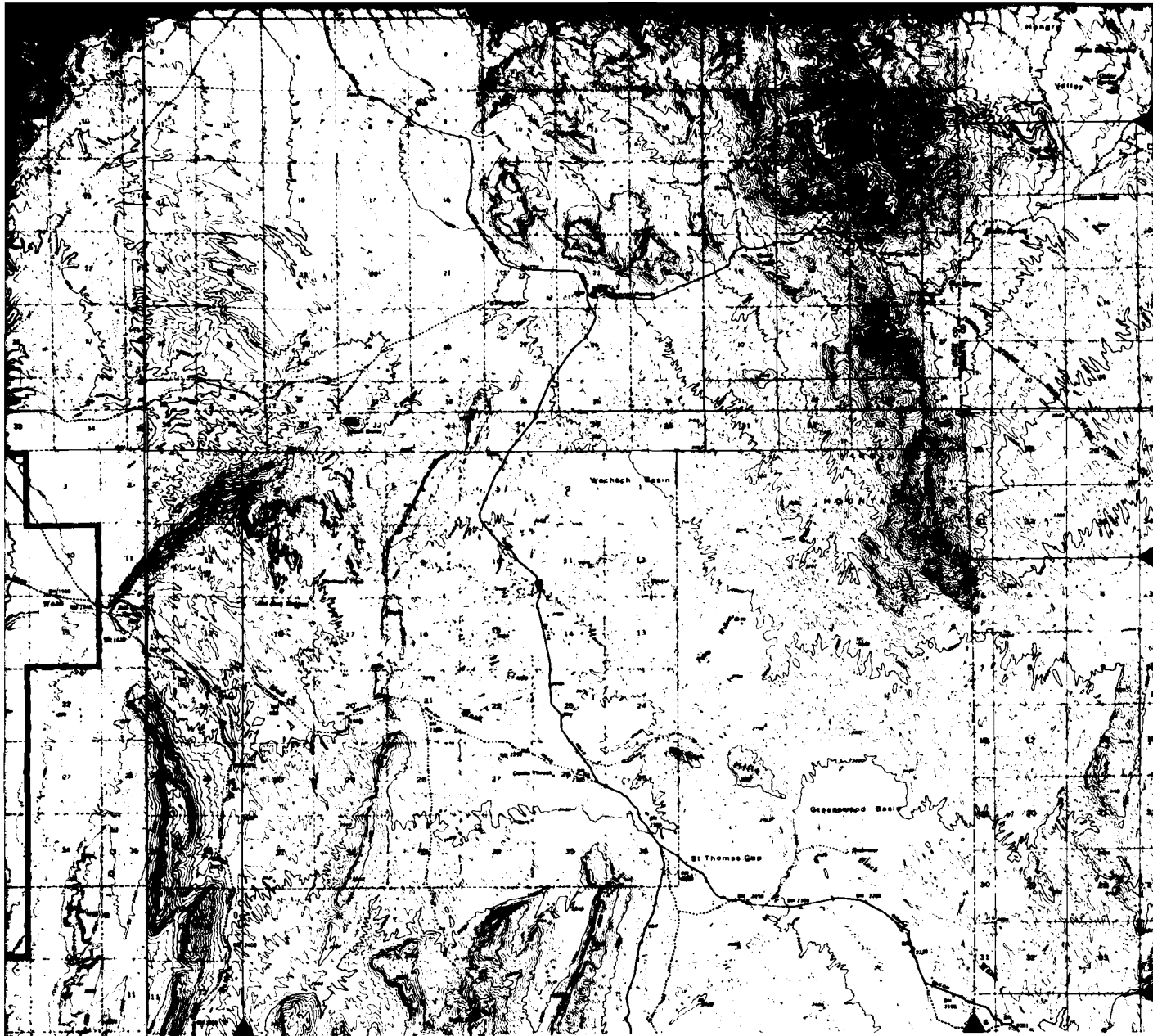
SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	REVISION BY	DESCRIPTION
1	10/11/11	REVISOR 60716	

REVISION



NONE

T36N

36° 30' 00\"/>

T35N

36° 22' 30\"/>

R69E 114° 15' 00\"/>

R70E

R71E

R16W 114° 00' 00\"/>

PROJECT MAP SHEET

STATE: NEVADA, ARIZONA	RAILROADS: UNION PACIFIC
COUNTY: MOHAVE, CLARK	STATE ROADS: HWY 12, 40
LOCAL COMMUNITY: MOAPA, GLENDALE, OVERTON, LONGDALE	FEDERAL ROADS: HWY 91, 93

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

SIGNATURE	DATE
DRAWN BY: <i>C. Tolson</i>	
CHECKED BY: <i>C. Tolson</i>	9/1/81
GEOTECHNICAL: <i>W. D. ...</i>	1/1/81
SITING: <i>F. J. ...</i>	3/1/81
ENVIRONMENTAL:	

POWERLINE FROM POWER PLANT TO MAIN OPERATING BASE

MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER	APPROVED BY:	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/1/81	REVISED NOTES		

113°15'00"W
38°37'30"N

R12W

R11W

113°00"

T25S

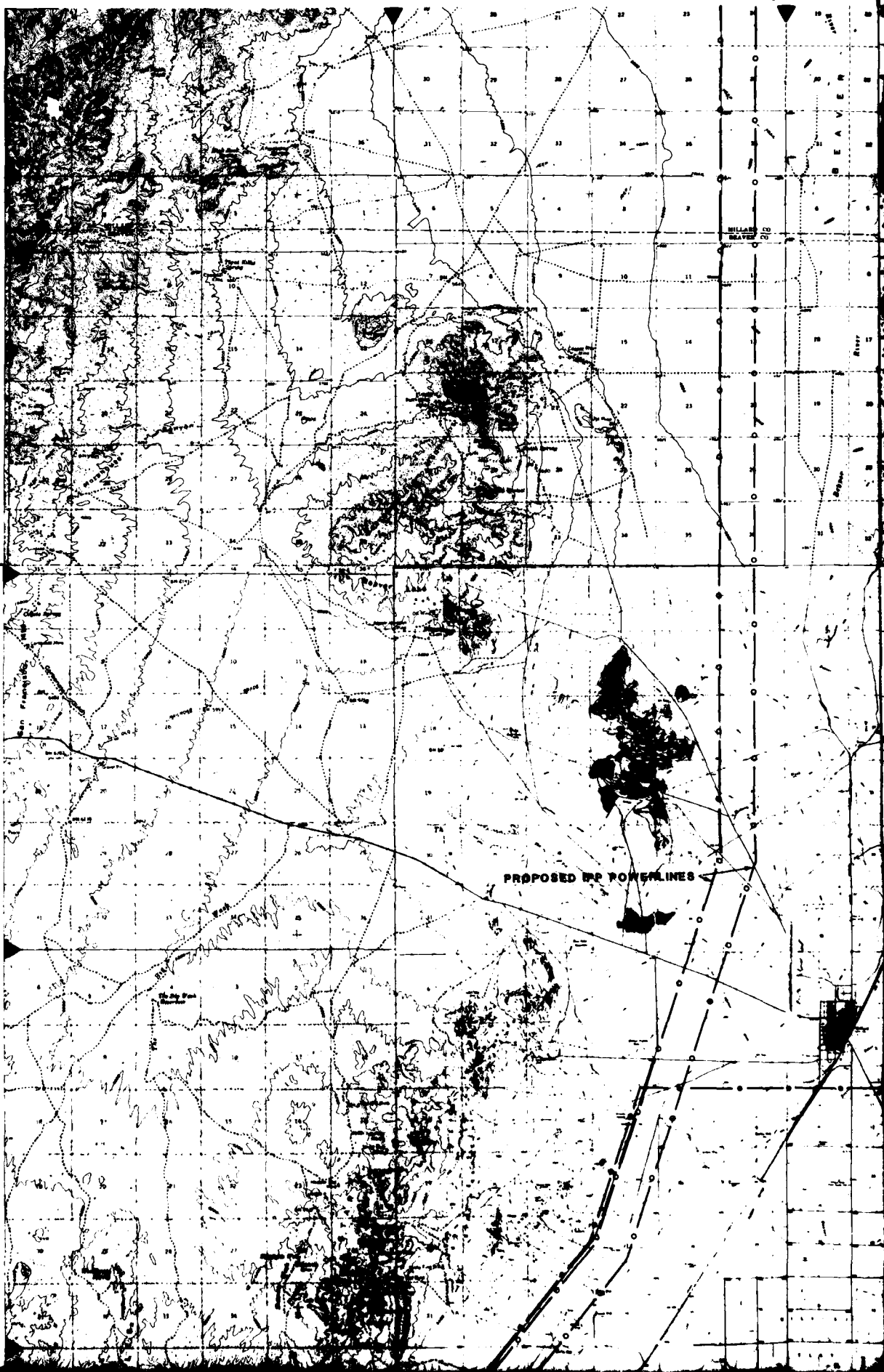
T26S

38°30'00"N

T27S

SEE DRAWING
#46

T28S

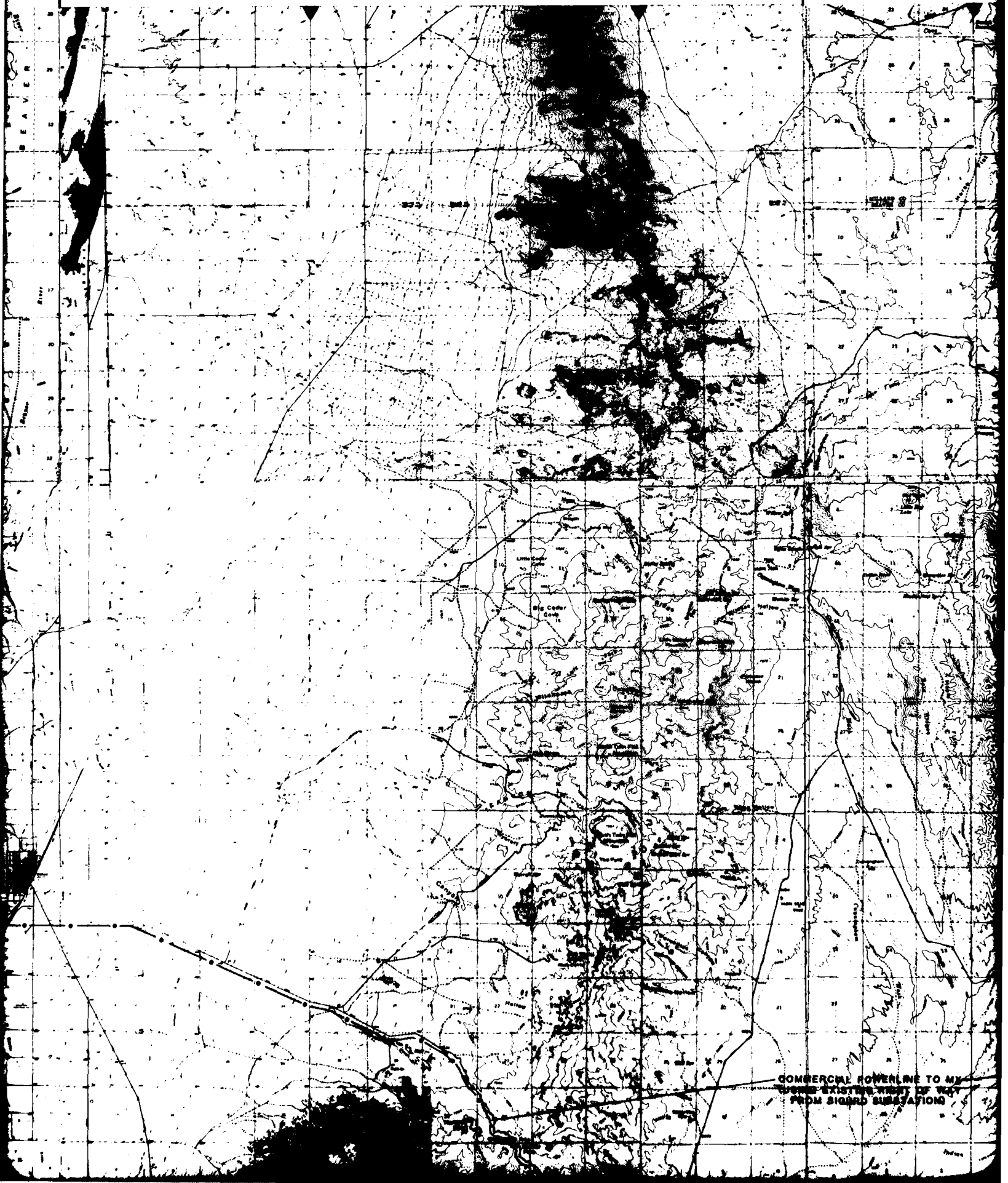


113°00'00"W

R10W

SEE DRAWING #54

R8W
112°45'00"W



COMMERCIAL POWERLINE TO MY
 EXISTING RIGHT OF WAY
 FROM SIGARD SUBSTATION

R8W
112°45'00"W

R7W

R6W

112°30'00"W

38°37'30"N

T25S

T26S

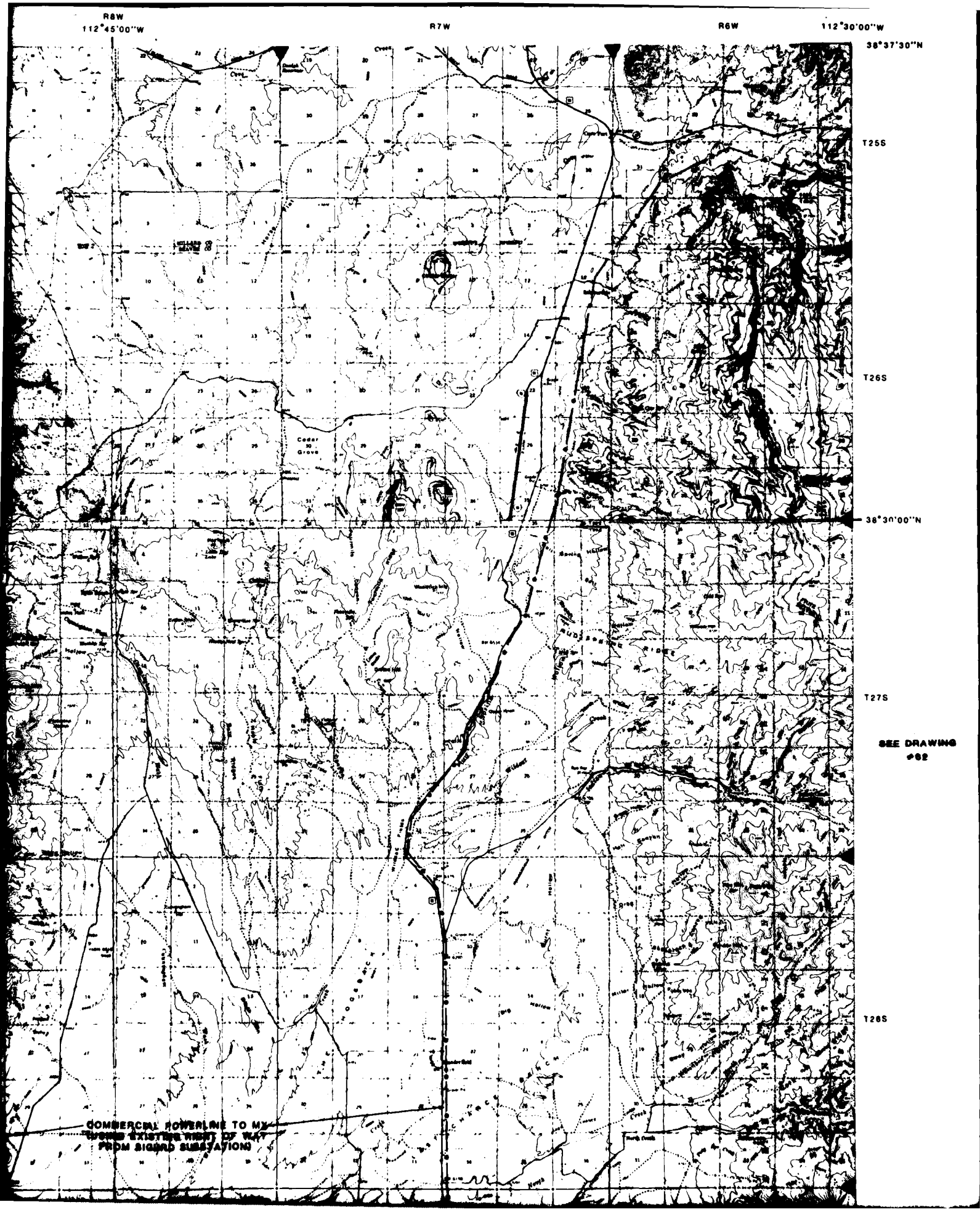
38°30'00"N

T27S

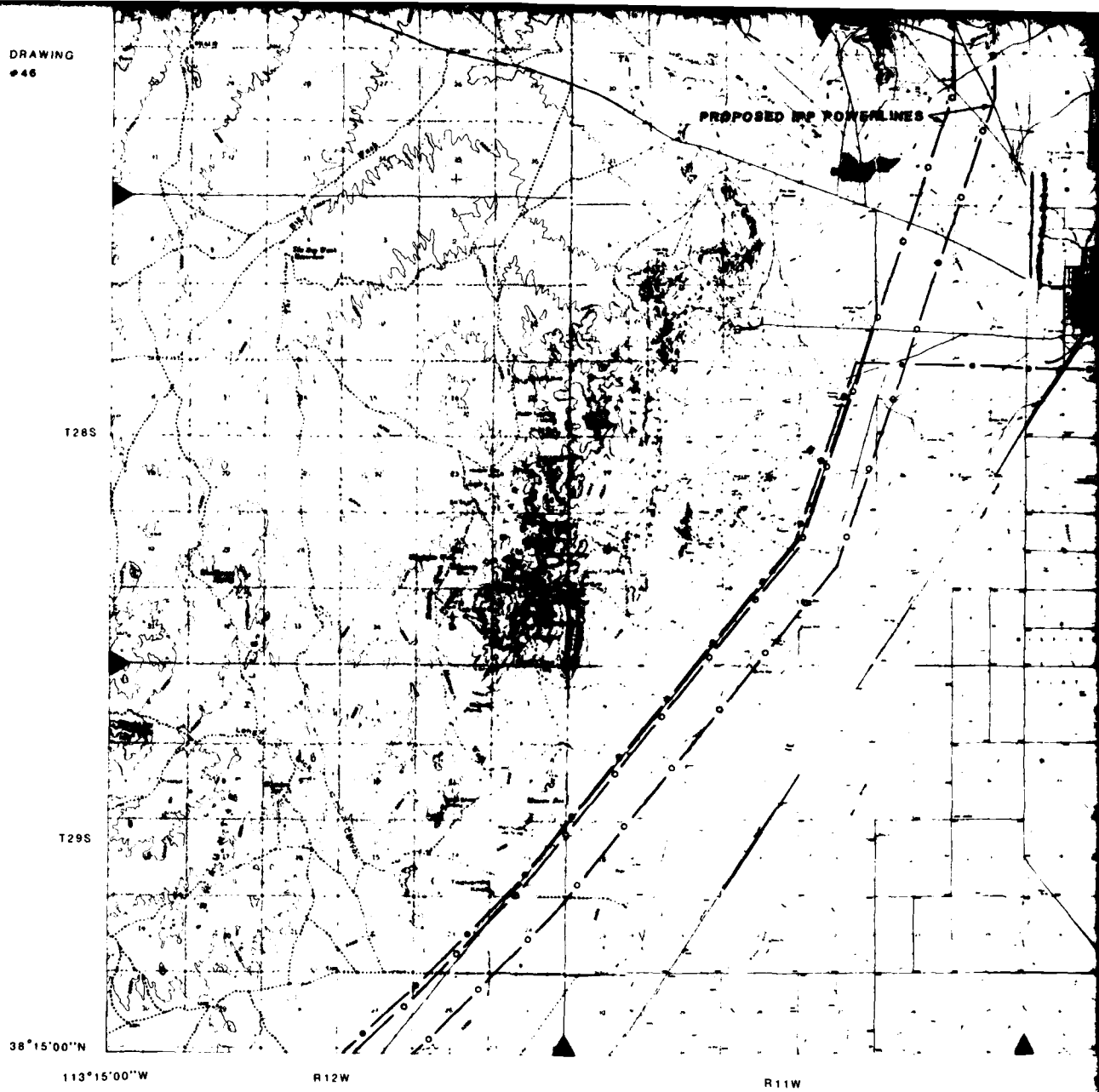
SEE DRAWING
#62

T28S

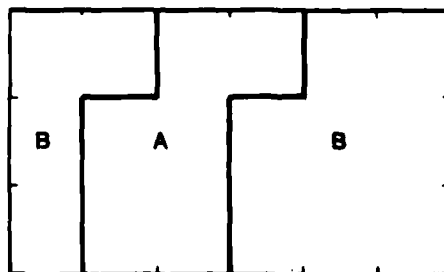
COMMERCIAL POWERLINE TO MY
TOWNS EXISTING WEST OF WAY
FROM SIGNAL SUBSTATION



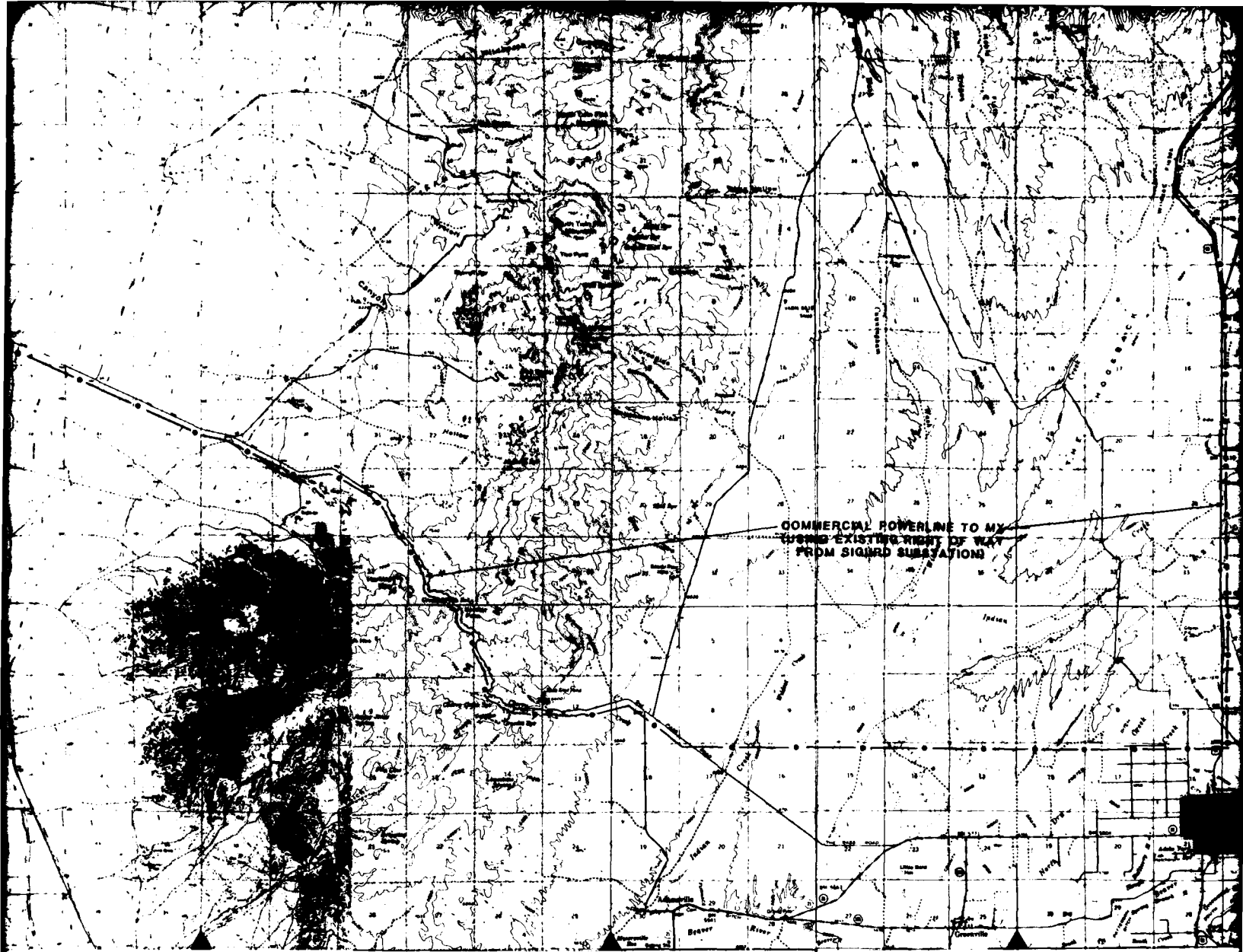
SEE DRAWING
#46



BASE MAP SOURCE INSET



- A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)
- B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)
- C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)
- D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS) AT 1:62,500



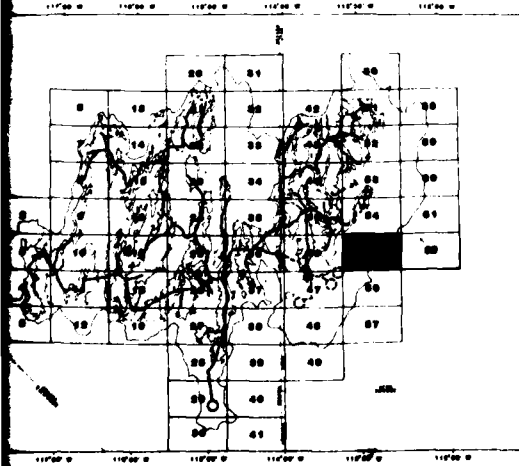
R9W

112°45'00" W
R8W

R7W

SEE DRAWING # 56

MAP SHEET LOCATION



SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:82,500

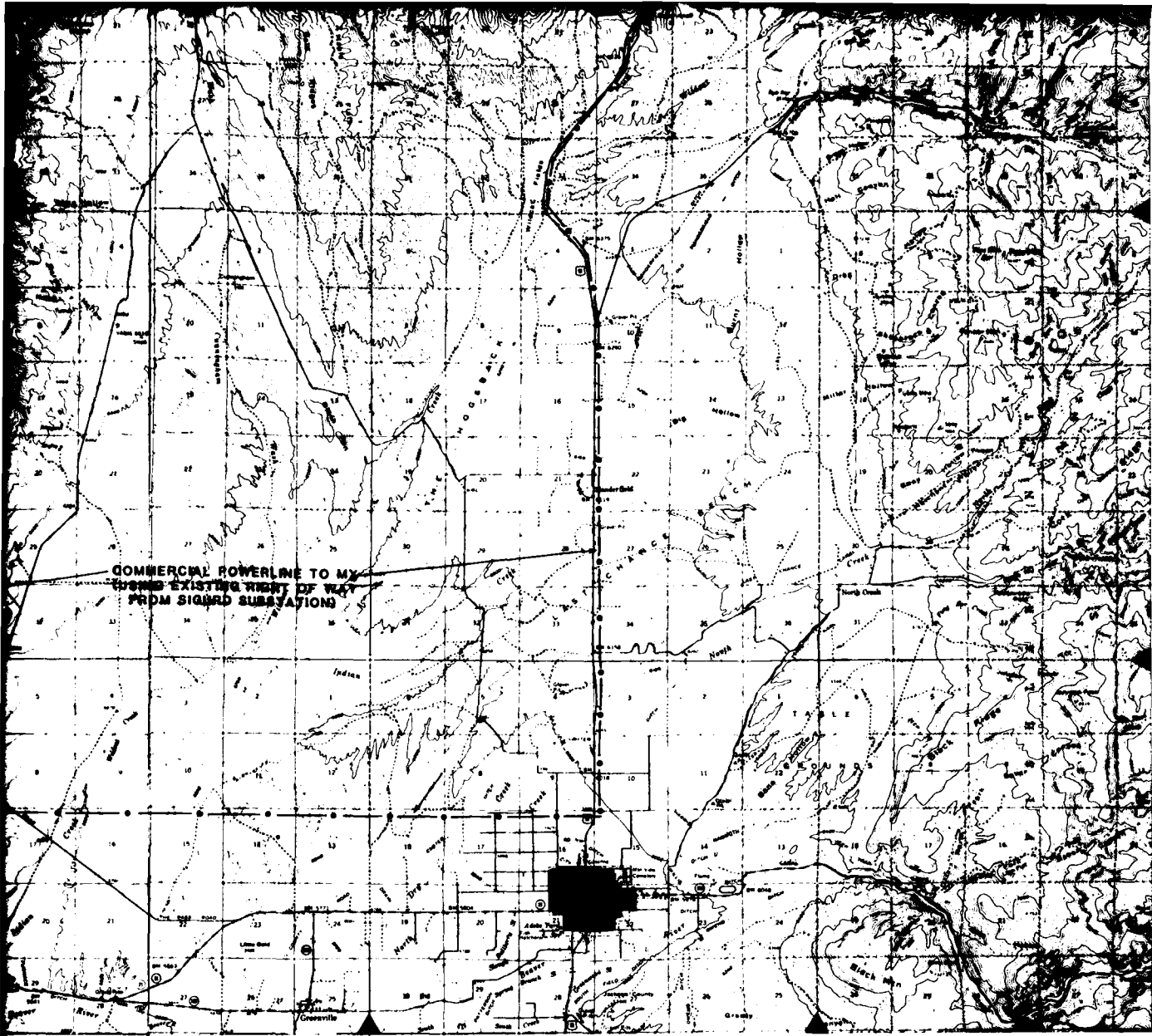


NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

REVISION	DATE	DESCRIPTION	SIGNATURE

REVISIONS

SEE DRAWING #62



T28S

T29S

38°15'00"N

112°45'00"W
R6W

R7W

R6W

112°30'00"W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: UNION PACIFIC
COUNTY: MILLARD, BEAVER	STATE ROADS: HWY 21, 163, 128, 257
LOCAL COMMUNITY: BEAVER, MILFORD, MANDERFIELD, ADAMSVILLE, GREENSVILLE	FEDERAL ROADS: HWY 91

**DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409**

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE

SIGNATURE	DATE
DRAWN BY: <i>[Signature]</i>	7/17/61
CHECKED BY: <i>[Signature]</i>	7/17/61
GEOTECHNICAL: <i>[Signature]</i>	7/17/61
SITING: <i>[Signature]</i>	7/17/61
ENVIRONMENTAL: <i>[Signature]</i>	7/17/61

POWERLINE FROM SIGURD SUBSTATION TO MAIN OPERATING BASE
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

SYSTEMS ENGINEER: <i>[Signature]</i>	APPROVED BY:	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER - MX	
APPROVED BY:	DRAWING NUMBER: 68	REV
USAF BALLISTIC MISSILE OFFICE	SHEET _____ OF _____	

REVISIONS

112°30'00"W

R5W

R4W

11

39°00'00"N

T21S

T22S

SEE DRAWING
#54

T23S

38°45'00"N

T24S



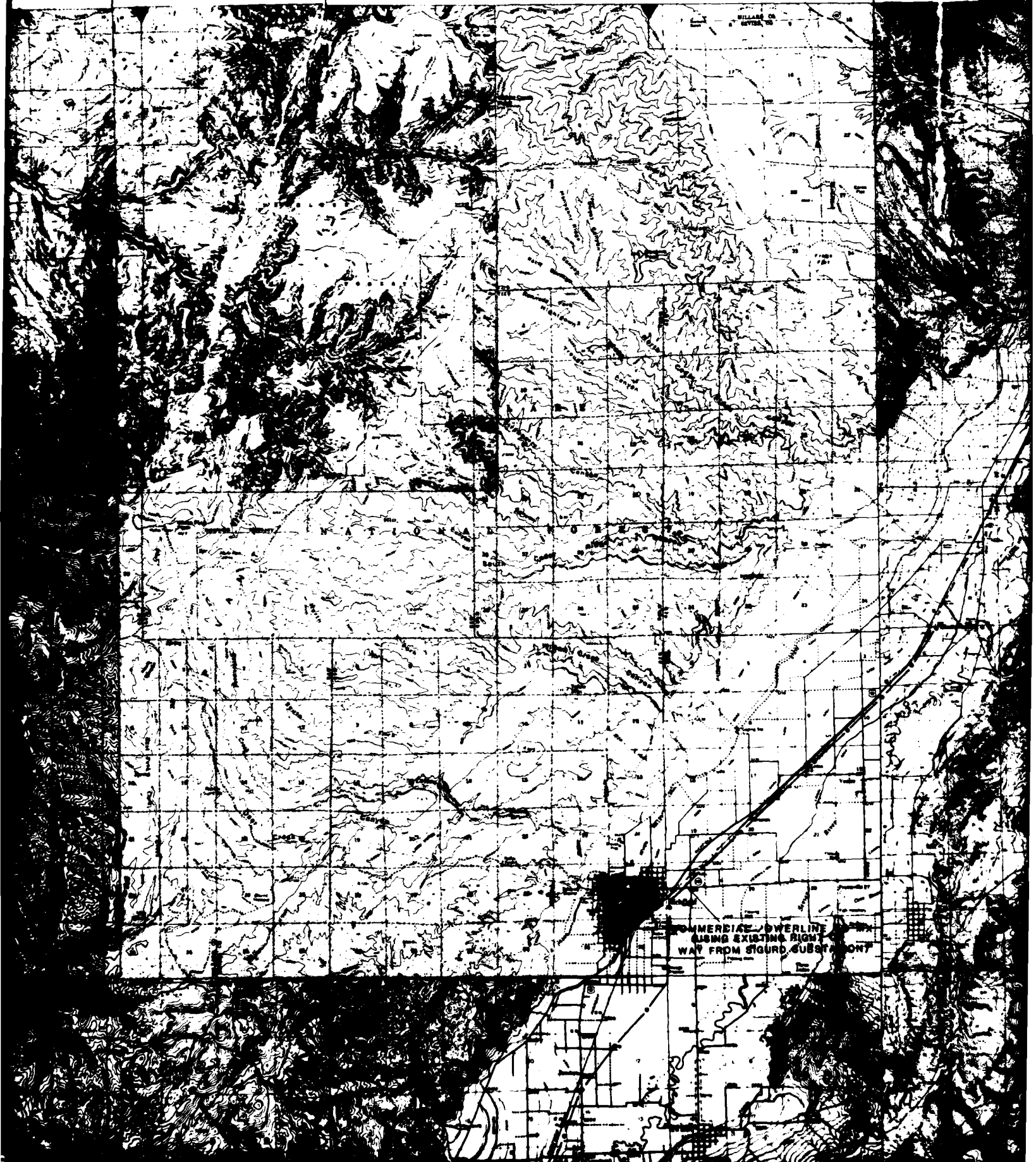
2

112° 15' 00" W

R3W

SEE DRAWING #60 R 2 1/2 W

R2W 112° 00' 00" W



2

R2W 112°00'00"W

R1W

R1E

111°45'00"W

39°00'00"N

T21S

T22S

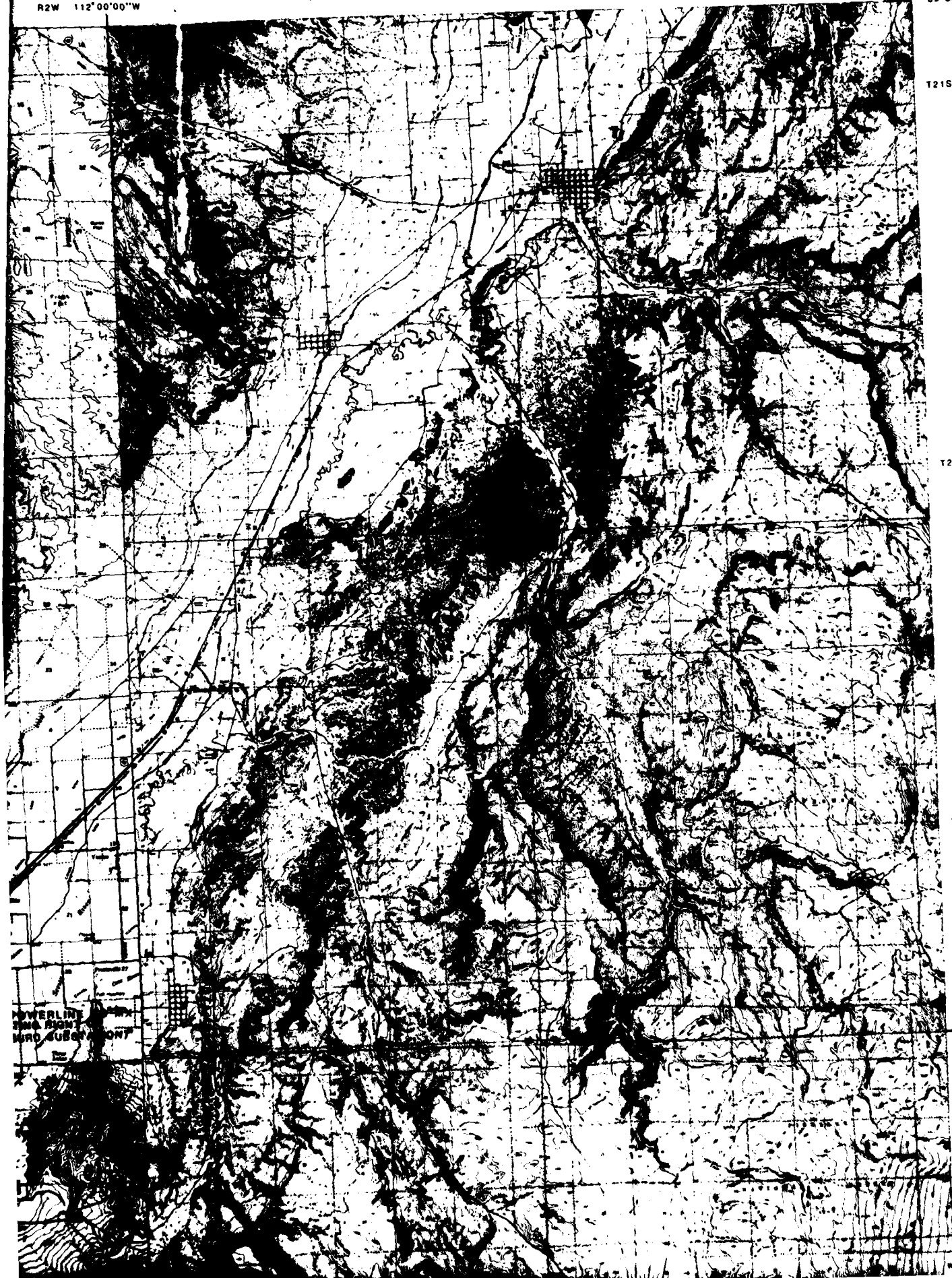
NONE

T23S

38°45'00"N

T24S

POWERLINE
THE RIGHT
MND SUBSTATION



SEE DRAWING
#54

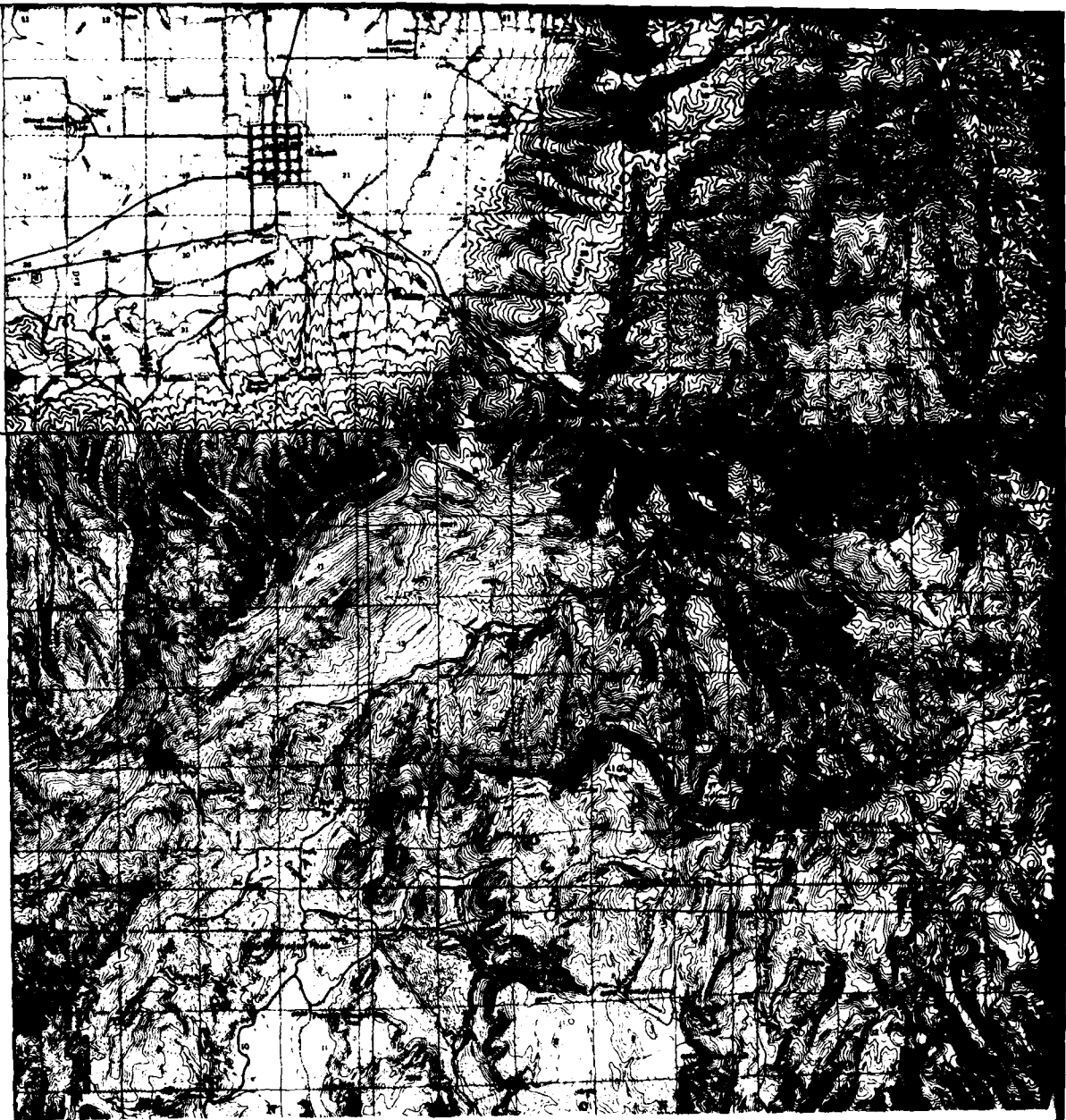
T23S
38°45'00"N
T24S
T25S
38°37'30"N

112°30'00"W

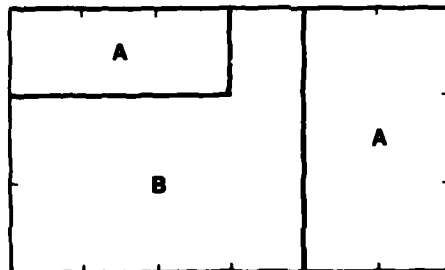
R6W

R5W

112°



BASE MAP SOURCE INSET

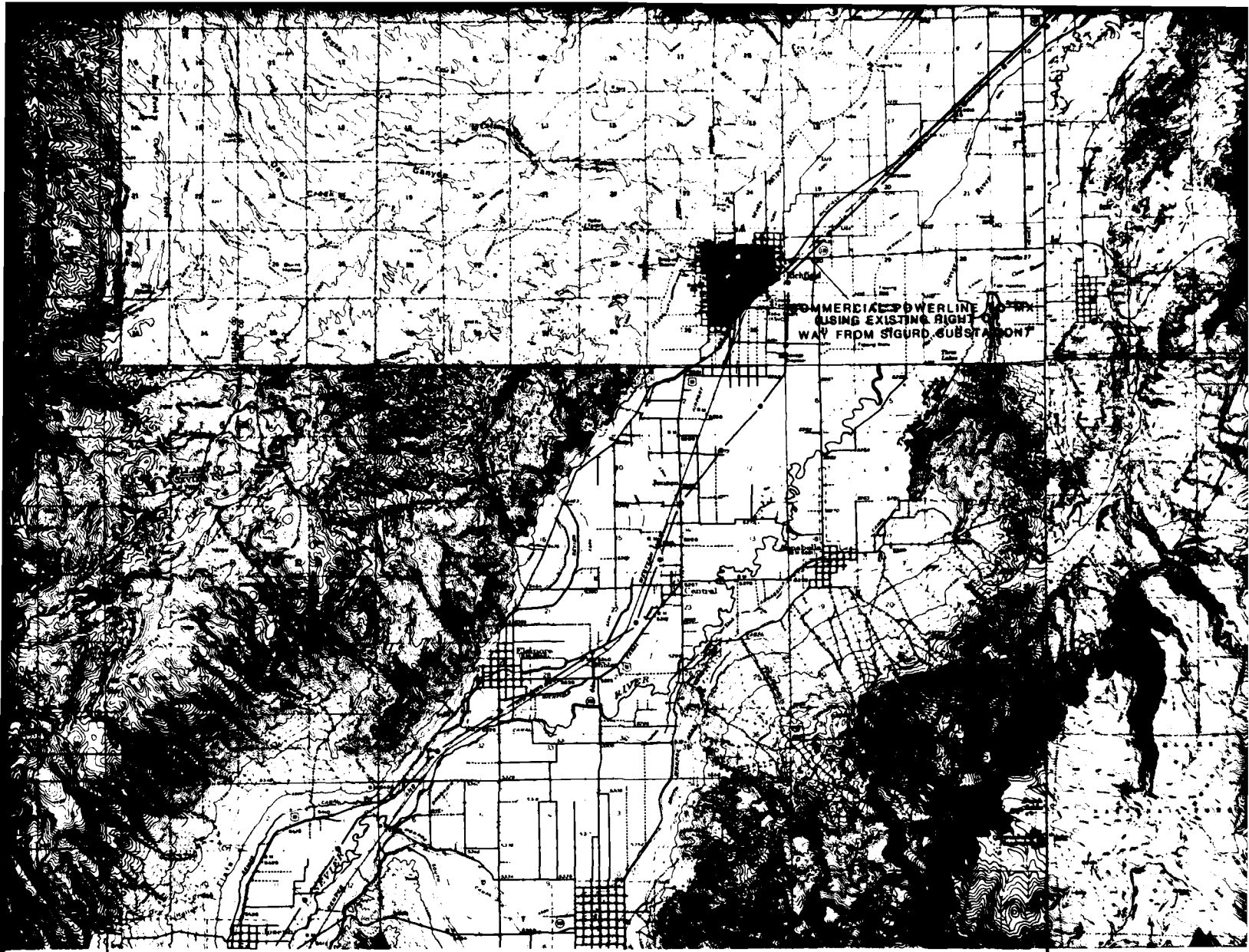


A. 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:24,000)

B. 15 MINUTE TOPOGRAPHIC QUADRANGLE, USGS (1:62,500)

C. 2 DEGREE TOPOGRAPHIC QUADRANGLE, USGS (1:250,000)

D. COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



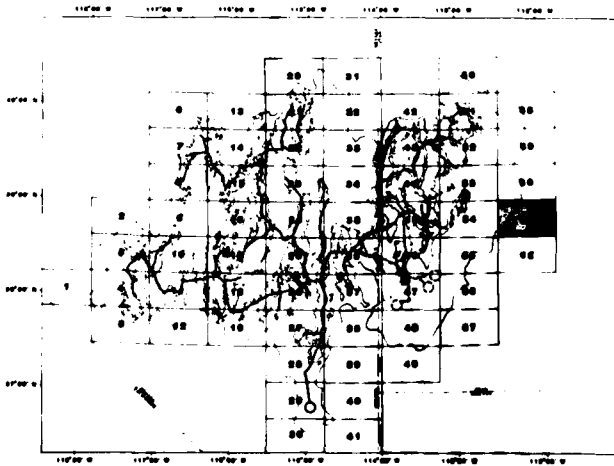
112° 15' 00" W R4W

R3W

R2W 112° 00' 00" W

MAP SHEET LOCATION

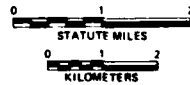
SEE DRAWING #62



NORTH

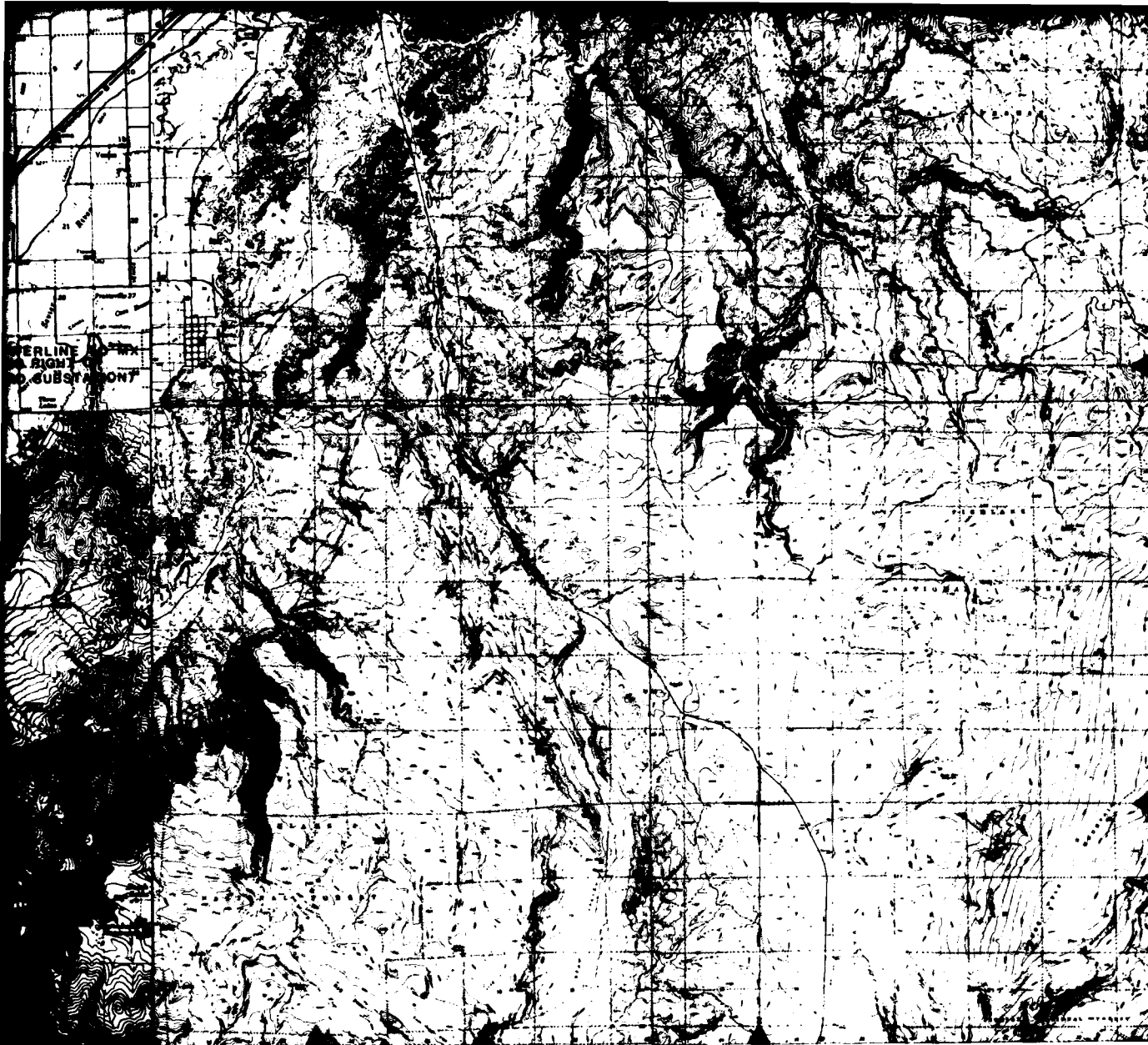
SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:62,500



NOTE:
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:125,000

1	1978	REVISED MAP
REVISION	DATE	DESCRIPTION
		REV



NONE

T235

38° 45' 00" N

T245

T255

38° 37' 30" N

R2W 112° 00' 00" W

R1W

R1E

111° 45' 00" W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: DENVER, RIO GRANDE WESTERN
COUNTY: MILLARD, SEVIER	STATE ROADS: HWY 118, 119, 141, 26, 256
LOCAL COMMUNITY: AURORA, GLENWOOD	FEDERAL ROADS: HWY 89, 91
ANNABELLA, RICHFIELD, SALINA, KANOSH, CENTRAL MEADOW, FILMORE, ELISHORE	

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

SIGNATURE	DATE
DRAWN BY: <i>[Signature]</i>	9/1/81
CHECKED BY: <i>[Signature]</i>	
GEOTECHNICAL: <i>[Signature]</i>	4/1/81
SURVEY: <i>[Signature]</i>	7/1/81
ENVIRONMENTAL:	
SYSTEMS ENGINEER:	
CORPS OF ENGINEERS:	

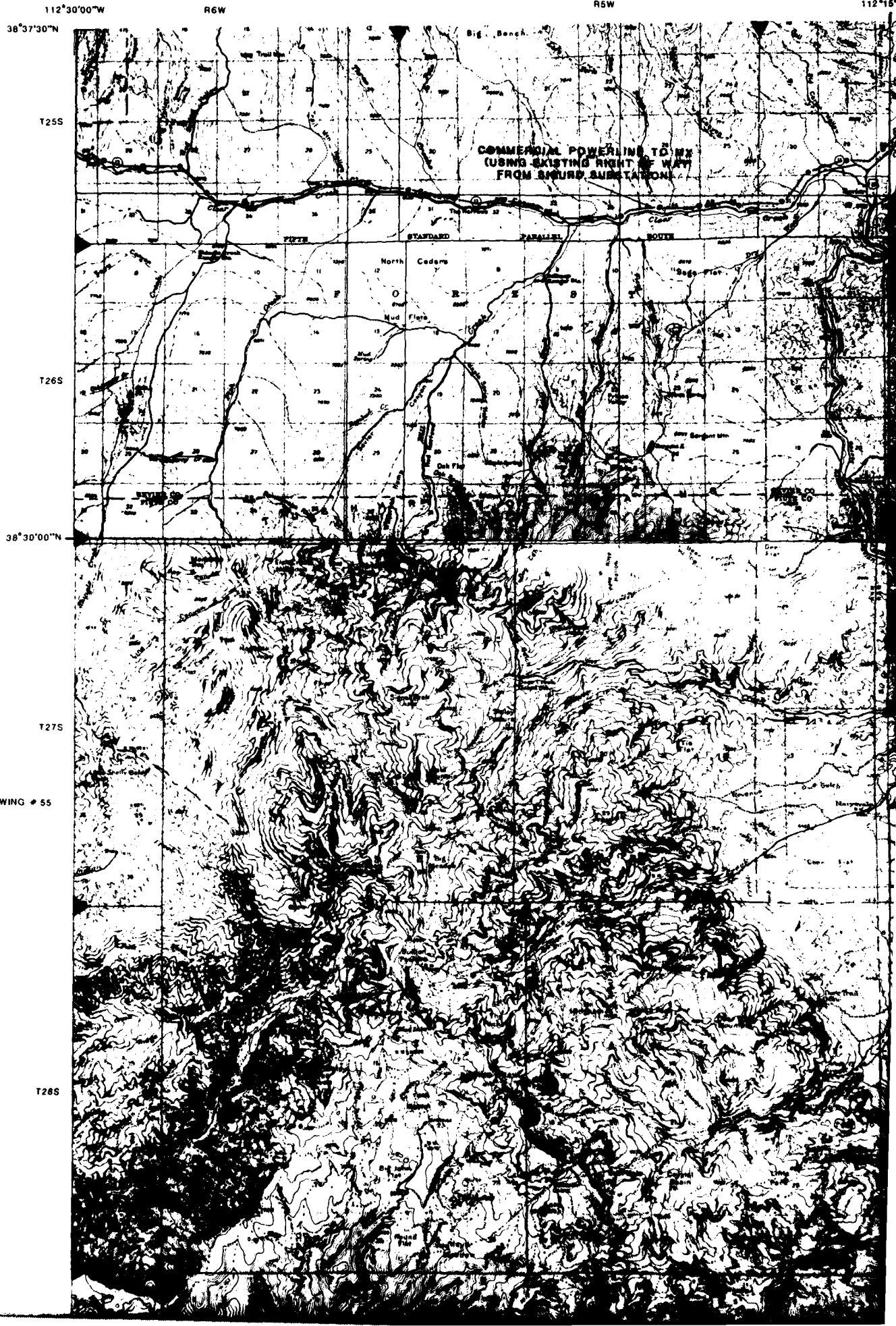
POWERLINE FROM SIGURD SUBSTATION
TO MAIN OPERATING BASE
MX SYSTEM PROPOSED LAND REQUIREMENTS FOR NEVADA/UTAH

APPROVED BY:	DATE
<i>[Signature]</i>	
AIR FORCE REGIONAL CIVIL ENGINEER-MX	

REVISION	DATE	DESCRIPTION	SIGNATURE	DATE
1	10/2/81	REVISED MAPS	<i>[Signature]</i>	10/2/81

REVISIONS

APPROVED BY:	DRAWING NUMBER: 61	REV
USAF BALLISTIC MISSILE OFFICE	"MEET _____ OF _____	

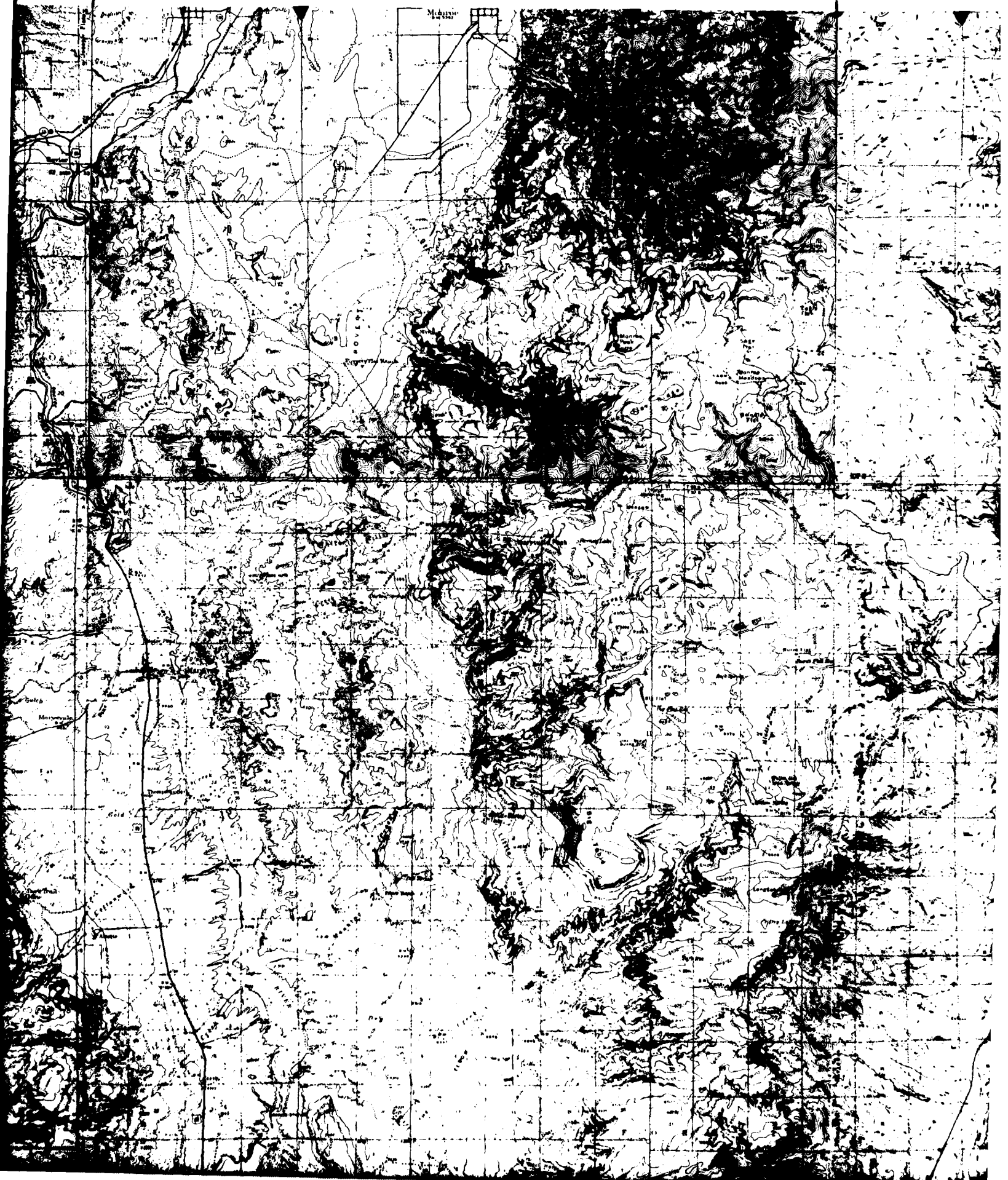


R4W
112°15'00"W

R3W

SEE DRAWING # 61

R2W
112°00'00"W



R2W
112°00'00"W

R1W

R1E

111°45'00"W

38°37'30"N

T25S

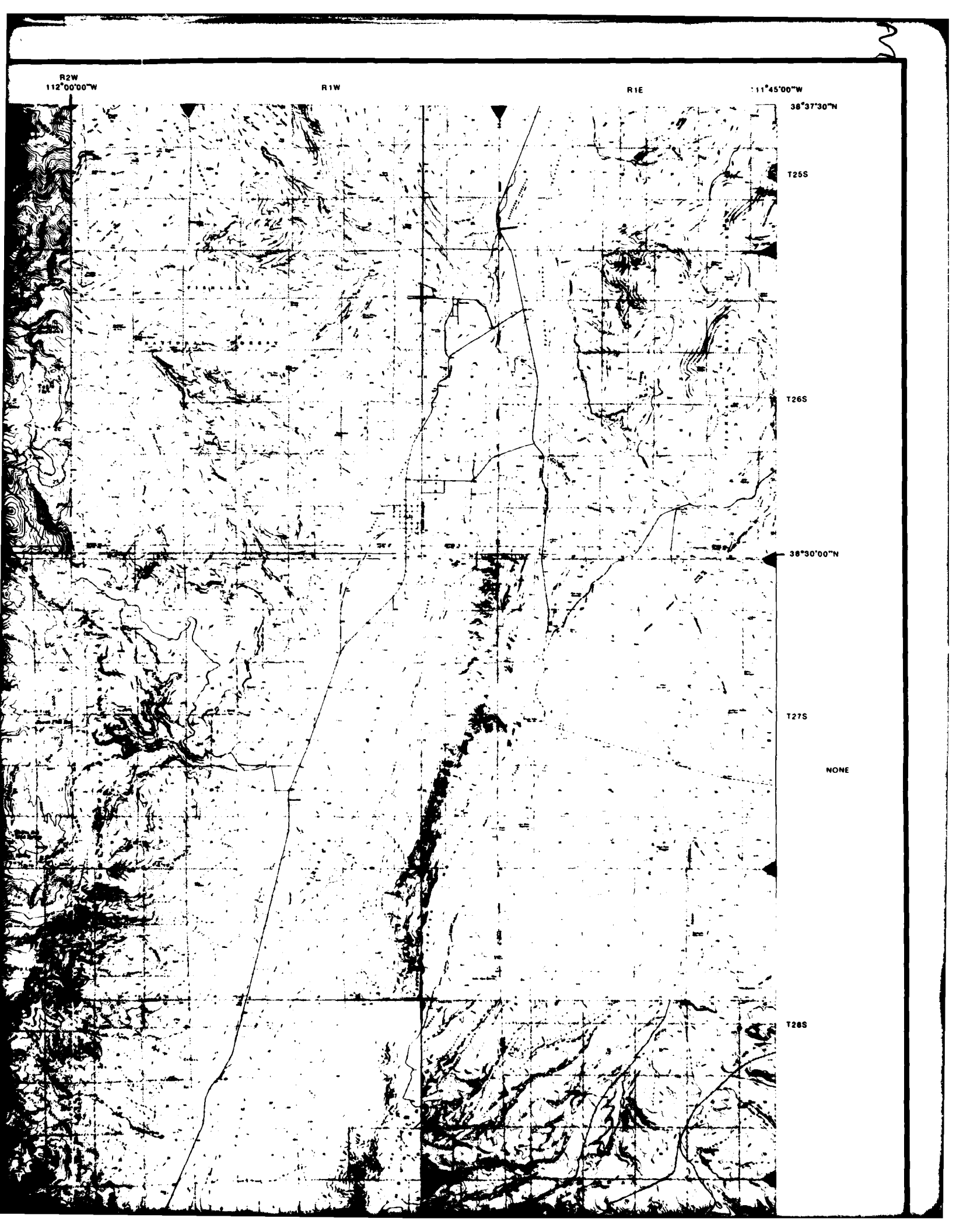
T26S

38°30'00"N

T27S

NONE

T28S



SEE DRAWING # 55

T28S

T29S

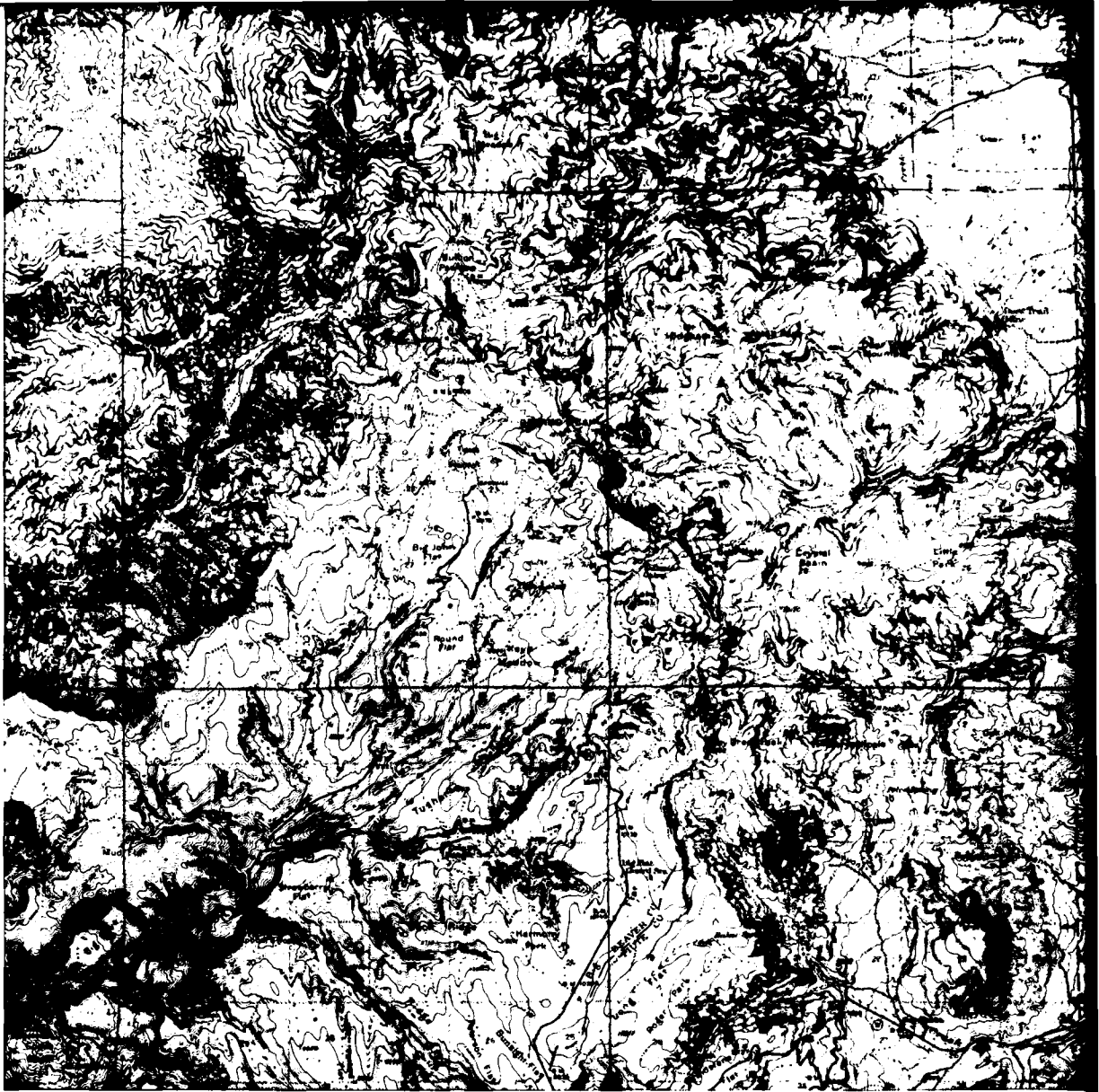
38 15'00"N

112°30'00"W

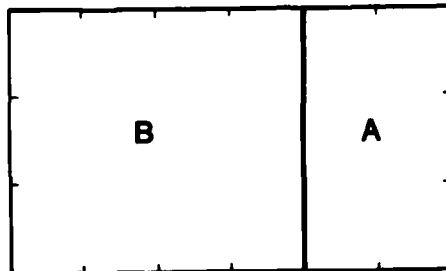
R5W

R4W

112°



BASE MAP SOURCE INSET

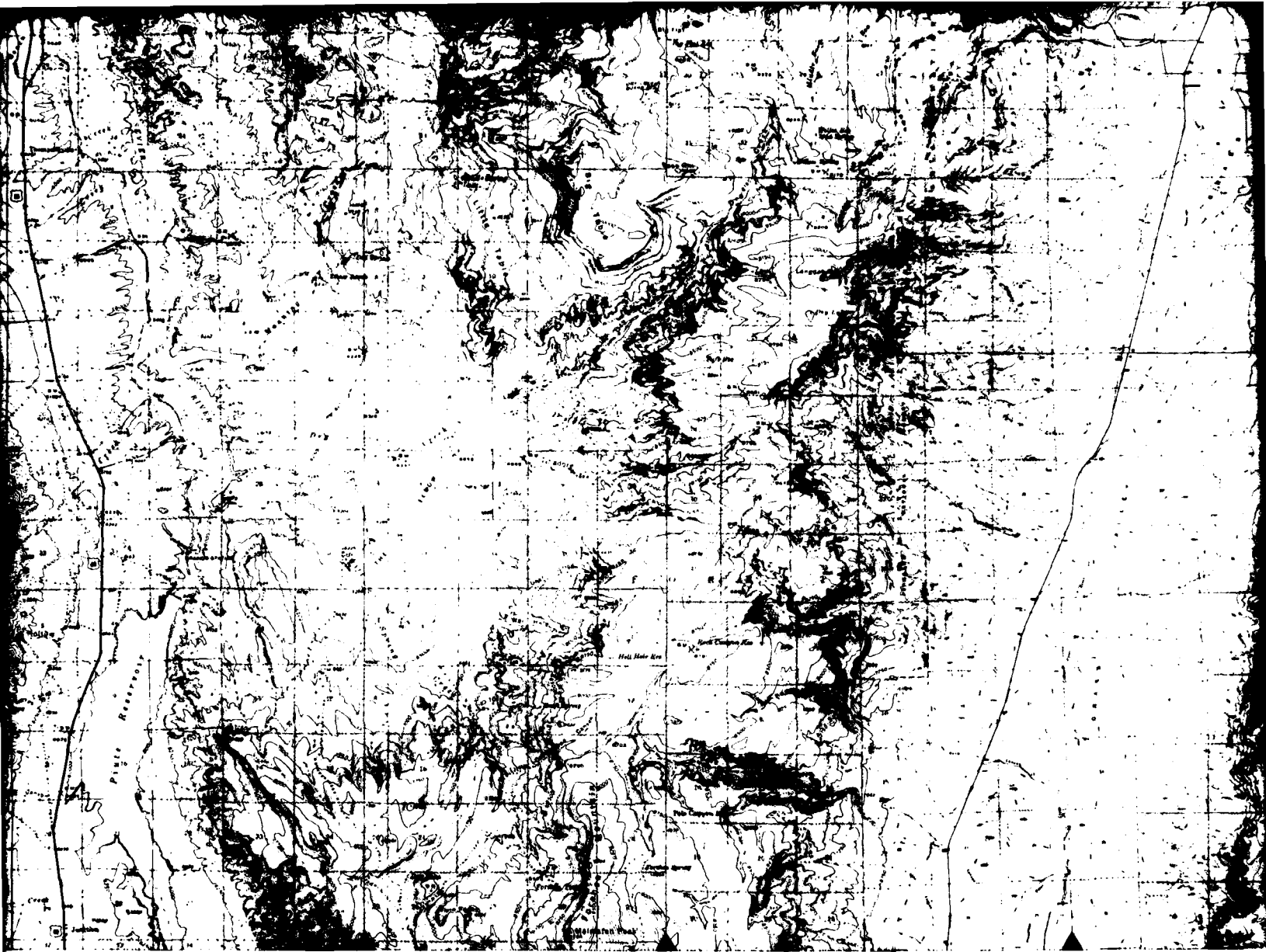


A 7 1/2 MINUTE TOPOGRAPHIC QUADRANGLE. USGS (1:24,000)

B 15 MINUTE TOPOGRAPHIC QUADRANGLE. USGS (1:62,500)

C 2 DEGREE TOPOGRAPHIC QUADRANGLE. USGS (1:250,000)

D COMPILED BY STEREO - PHOTOGRAMMETRIC METHODS BY
ERTEC AIRBORNE SYSTEMS (FORMERLY FUGRO GEOMETRICS)
AT 1:62,500



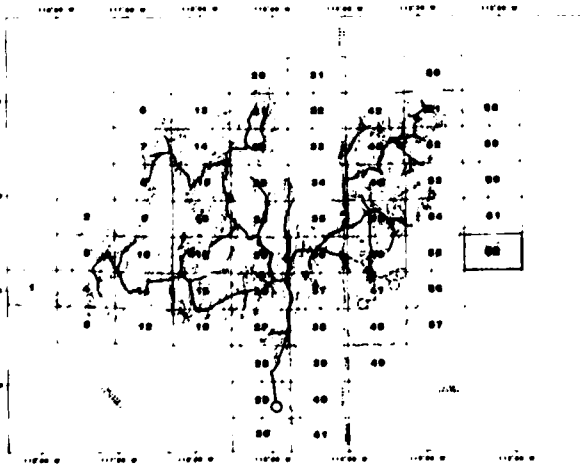
R3W

R2 1/2 W

112°00'00"W
R2W

MAP SHEET LOCATION

NONE



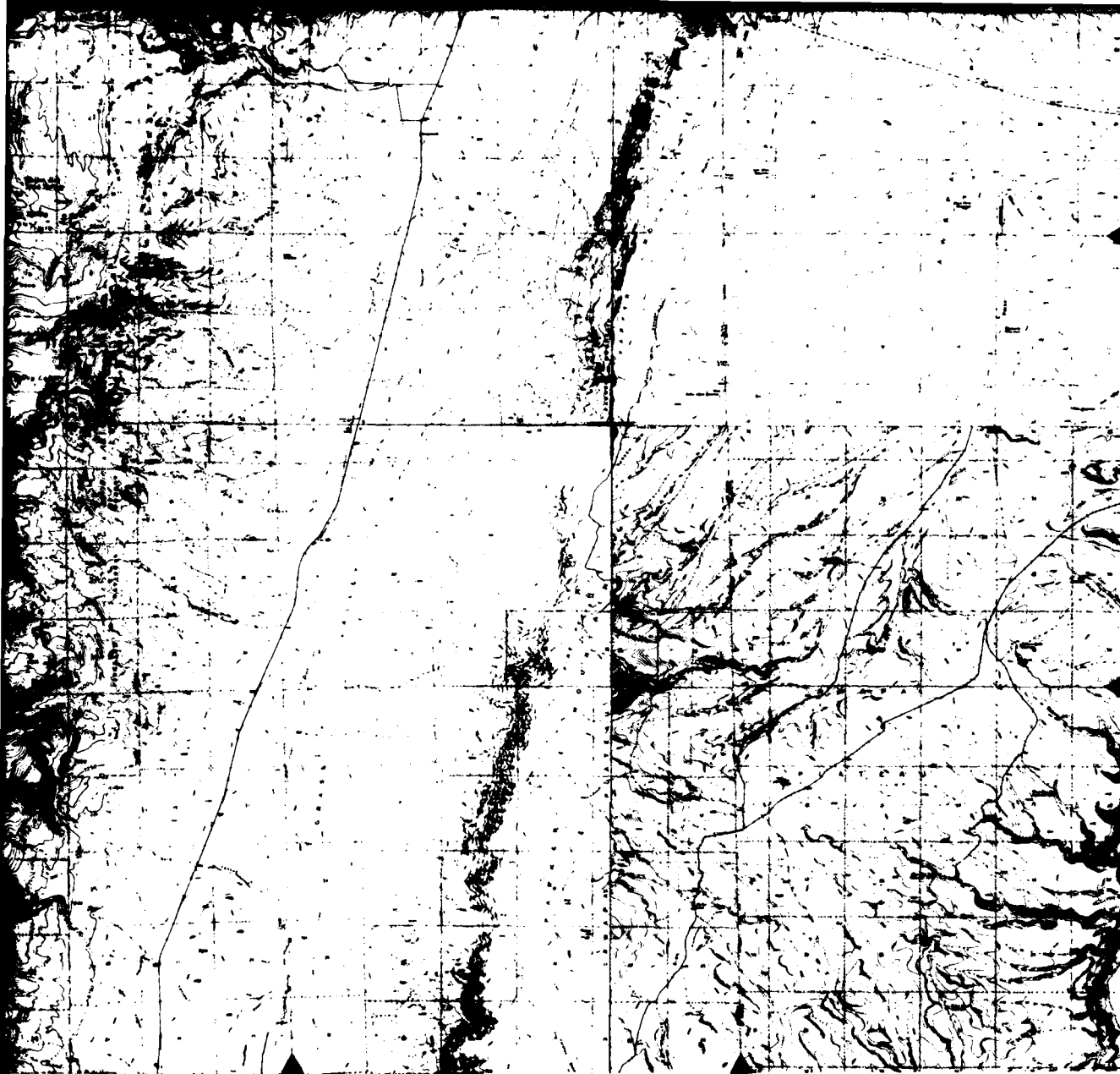
SEE SHEET "A"
FOR EXPLANATION
OF MAP SYMBOLS

SCALE 1:82,500



NOTE.
DUE TO MAP SCALE REDUCTION
THE SCALE IS 1:128,000

REVISION	DATE	DESCRIPTION
REVISIONS		



NONE

T28S

T29S

36°15'00"N

112°00'00"W
R2W

R1W

R1E

111°45'00"W

PROJECT MAP SHEET

STATE: UTAH	RAILROADS: RIO GRANDE WESTERN
COUNTY: PIUTE, SEVIER, WAYNE	STATE ROADS: HWY 13, 24, 26, 62, 153
LOCAL COMMUNITY: DOOSHAREM,	FEDERAL ROADS: HWY 89
MARYSVALE, MONROE, SEVIER, THOMPSONVALE	

DEPARTMENT OF THE AIR FORCE
AIR FORCE REGIONAL CIVIL ENGINEER - MX
NORTON AIR FORCE BASE, CA 92409

DIVISION	DATE	DESCRIPTION	SIGNATURE	DATE

SIGNATURE	DATE	POWERLINE FROM SIGURD SUBSTATION TO MAIN OPERATING BASE MX SYSTEM LAND REQUIREMENTS FOR NEVADA/UTA.
DRAWN BY		
CHECKED BY GEOTECHNICAL		
SITING		
ENVIRONMENTAL		
SYSTEMS ENGINEER	APPROVED BY	DATE
CORPS OF ENGINEERS	AIR FORCE REGIONAL CIVIL ENGINEER-MX	

APPROVED BY: _____ DRAWING NUMBER: 02 SHEET _____ OF _____

UBAF BALLISTIC MISSILE OFFICE

REVISIONS