

April 21, 2011

HAND DELIVERED

Donna Skau
Commission Secretary
Public Utilities Commission of Nevada
1150 E. William Street
Carson City, NV 89701

RECEIVED

APR 22 2011

DEPARTMENT OF ADMINISTRATION
OFFICE OF THE DIRECTOR
BUDGET AND PLANNING DIVISION

2011 APR 21 AM 11:33

RECEIVED-PUBLIC
UTILITIES COMMISSION
OF NEVADA-CARSON CITY

RE: Docket No. 11-_____. Application of Ormat Nevada, Inc., for authority under the provisions of the Utility Environmental Protection Act for a permit to construct a 230 kV transmission line and associated facilities.

Dear Ms. Skau:

Accompanying this letter, for filing with the Public Utilities Commission of Nevada (the "Commission") and pursuant to the Nevada Utility Environmental Protection Act, is the Application of Ormat Nevada, Inc., for authority and a permit to construct a 230 kV transmission line and associated facilities. Also enclosed is a Draft Notice for the Application and a check for \$200.00 for the filing fee.

Please contact me if you have any questions or require additional information.

Very truly yours,



Timothy M. Clausen
for HOLLAND & HART LLP

TMC:taw
Enclosures
cc: Parties of Record

5086281_1.DOC

Holland & Hart LLP Attorneys at Law

Phone (775) 684-6000 Fax (775) 684-6001 www.hollandhart.com

777 East William Street, Suite 200 Carson City, Nevada 89701

Aspen Billings Boise Boulder Carson City Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Las Vegas Reno Salt Lake City Santa Fe Washington, D.C.

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APR 3 2011

DEPARTMENT OF ADMINISTRATION
OFFICE OF THE DIRECTOR
BUDGET AND FINANCIAL SERVICES

PUBLIC UTILITIES COMMISSION OF NEVADA
DRAFT NOTICE
(Applications, Tariff Filings, Complaints, and Petitions) AM 11: 33

Pursuant to Nevada Administrative Code ("NAC") 703.162, the Commission requires that a draft notice be included with all applications, tariff filings, complaints and petitions. Please complete and include **ONE COPY** of this form with your filing. (Completion of this form may require the use of more than one page.)

A title that generally describes the relief requested (see NAC 703.160(5)(a)):

Application of Ormat Nevada, Inc., for authority under the provisions of the Utility Environmental Protection Act for a permit to construct a 230 kV transmission line and associated facilities to be located in Lander County, Nevada.

The name of the applicant, complainant, petitioner or the name of the agent for the applicant, complainant or petitioner (see NAC 703.160(5)(b)):

Ormat Nevada, Inc.

A brief description of the purpose of the filing or proceeding, including, without limitation, a clear and concise introductory statement that summarizes the relief requested or the type of proceeding scheduled **AND** the effect of the relief or proceeding upon consumers (see NAC 703.160(5)(c)):

See Public Notice of Amended Application at Exhibit G of the Application.

A statement indicating whether a consumer session is required to be held pursuant to Nevada Revised Statute ("NRS") 704.069(1)¹:

N/A

If the draft notice pertains to a tariff filing, please include the tariff number **AND** the section number(s) or schedule number(s) being revised.

N/A

¹ NRS 704.069 states in pertinent part:

1. The Commission shall conduct a consumer session to solicit comments from the public in any matter pending before the Commission pursuant to NRS 704.061 to 704.110 inclusive, in which:
 - (a) A public utility has filed a general rate application, an application to recover the increased cost of purchased fuel, purchased power, or natural gas purchased for resale or an application to clear its deferred accounts; and
 - (b) The changes proposed in the application will result in an increase in annual gross operating revenue, as certified by the applicant, in an amount that will exceed \$50,000 or 10 percent of the applicant's annual gross operating revenue, whichever is less.

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

RECEIVED PUBLIC
COMMISSION OF NEVADA
OF NEVADA - CARSON CITY

2011 APR 21 AM 11:34

Application of Ormat Nevada, Inc., for authority under the provisions of the Utility Environmental Protection Act for a permit to construct a 230 kV transmission line and associated facilities to be located in Lander County, Nevada.

Docket No. 11-_____

INITIAL APPLICATION OF ORMAT NEVADA, INC., FOR A PERMIT TO CONSTRUCT A 230 KV TRANSMISSION LINE AND ASSOCIATED FACILITIES UNDER THE UTILITY ENVIRONMENTAL PROTECTION ACT

TABLE OF CONTENTS

	<u>Page</u>
I. Introduction	1
II. Information Regarding the Applicant	2
III. Responses to Required Disclosures	2
A. General Description of the Location of the Facility	2
B. General Description of the Facility	4
C. Environmental Studies	6
D. Proof of Public Notice	7
E. Proof of Service to the Nevada State Clearinghouse	7
IV. Conclusion	7
V. Appendix	
Exhibit A	Project Vicinity, Location and Transmission Route Maps
Exhibit B	Proposed Substation Layout
Exhibit C	Legal Descriptions and Transmission Line Segment Lengths
Exhibit D	Ownership Plat Maps
Exhibit E	Typical Transmission Structures
Exhibit F	Specific Route Details
Exhibit G	Public Notice and Affidavits of Publication
Exhibit H	Certificate of Service

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BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Application of Ormat Nevada, Inc., for authority)
under the provisions of the Utility Environmental)
Protection Act for a permit to construct a 230 kV)
transmission line and associated facilities to be)
located in Lander County, Nevada.)

Docket No. 11-_____

**INITIAL APPLICATION OF ORMAT NEVADA, INC. FOR A
PERMIT TO CONSTRUCT A 230 KV TRANSMISSION LINE
AND ASSOCIATED FACILITIES UNDER THE
UTILITY ENVIRONMENTAL PROTECTION ACT**

Ormat Nevada, Inc., on behalf of its subsidiary ORNI 39, LLC ("Applicant"), hereby submits to the Public Utilities Commission of Nevada ("Commission") its initial application for a permit to construct a 230 kV transmission line and associated facilities under the Utility Environmental Protection Act ("Application"). The Application is made pursuant to Sections 704.820 to 704.900 of the Nevada Revised Statutes and Sections 703.415 to 703.427 of the Nevada Administrative Code. In support of the Application, the Applicant hereby submits the following information and evidence.

I. Introduction

Applicant is proposing to construct, operate and maintain a new 230 kV overhead mono-pole transmission line and associated facilities at the Frontier Substation that will be approximately 8-10 miles northeast of the town of Austin in Lander County, Nevada. The transmission line will connect the new McGinness Hills geothermal generating facility to Sierra Pacific Power Company's ("Sierra") Frontier Substation.¹ The purpose of the transmission line is to deliver renewable energy from the McGinness Hills geothermal generating facility to Sierra to help meet Nevada's Renewable Energy Portfolio Standard requirements and to meet the growing need for renewable energy in Nevada.

¹ The McGinness Hills geothermal generating plant has a nameplate capacity of 51 MW and, therefore, Applicant is not required to obtain a permit to construct the generating plant from the Commission because it does not qualify as a "Utility Facility" pursuant to NRS 704.860(1).

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1 Section 704.870(2) of the Nevada Revised Statutes provides that Applicant must submit
2 an initial application with the Commission if a federal agency is conducting an environmental
3 analysis of the proposed utility facility. The Bureau of Land Management ("BLM") is currently
4 conducting an Environmental Assessment on the proposed utility facility. Upon its release of a
5 final Environmental Assessment and Decision of Record, Applicant will file its amended
6 application with the Commission within thirty (30) days.

7 **II. Information Regarding the Applicant**

8 The Applicant is a Delaware limited liability company qualified to do business in
9 Nevada. The Applicant's corporate headquarters and principal place of business is 6225 Neil
10 Road, Reno, Nevada 89511. The Applicant is an affiliate of Ormat Technologies, Inc.

11 All communications or correspondence regarding the Application should be addressed or
12 directed to the following:

13 Scott Kessler
14 Ormat Nevada, Inc.
15 6225 Neil Road
16 Reno, Nevada 89511
17 Telephone: (775) 356-9029
18 Email: skessler@ormat.com

19 and

20 Tim Clausen
21 Fred Schmidt
22 Holland & Hart LLP
23 777 E. William Street, Suite 200
24 Carson City, Nevada 89701
25 Telephone: (775) 684-6000
26 Email: tclausen@hollandhart.com

27 **III. Responses to Required Disclosures**

28 The information required by NAC 703.421 is provided as follows.

- 29 A. NAC 703.421(1). A general description of the location of the proposed utility facility.

30 Applicant is proposing to construct, operate and maintain approximately nine (9) miles of
31 230 kV overhead mono-pole transmission line approximately 8-10 miles northeast of the town /
32 / / /

1 of Austin in Lander County, Nevada. Maps of the project vicinity, its location and the
2 transmission route are attached hereto as Exhibit A.

3 The transmission line and dedicated communication system is proposed to connect the
4 new McGinness Hills geothermal power plant and terminate at Sierra's existing Frontier
5 Substation, which is located on public land managed by the Bureau of Land Management
6 ("BLM"). The transmission line and dedicated communication system is mainly located on
7 public lands managed by the United States Forest Service ("USFS"); however, a portion is
8 located on public land managed by the BLM. A transmission routing map is attached hereto as
9 Exhibit A and ownership plats are attached hereto as Exhibit D. The existing Frontier Substation
10 portion of the Project is on public land managed by the BLM.

11 In addition, in order to interconnect the transmission line to its transmission system,
12 Sierra will install new facilities at its Frontier Substation, as described below.² A copy of the
13 proposed substation layout is attached hereto as Exhibit B. The transmission line, dedicated
14 communication system and upgrades at the Frontier Substation are collectively referred to as the
15 "Project."

16 **1. NAC 703.421(1)(a). A regional map that identifies the location of the**
17 **proposed utility facility.**

18 Please see Exhibit A for maps of the Project's general vicinity and location, and Exhibit
19 F for additional detail on routing.

20 **2. NAC 703.421(1)(b). Alternative locations for the proposed utility facility.**

21 Both the preferred and alternative transmission routes are located on federal lands. The
22 alternative route deviates from the preferred route by approximately three (3) miles south of the
23 McGinness Hills geothermal power plant and travels about 3.1 miles southwest to the proposed
24 Prospect Switch. See Exhibit A, labeled "proposed alternate." From the Prospect Switch the

25 / / /

26 _____
27 ² Sierra will be responsible for installing the upgrades at the Frontier Substation. However, the upgrades are
28 included in this Application so the permit to construct will include the entire Project and also not require two
separate filings by both Sierra and the Applicant. The Commission has recently approved a similar single
application for a permit to construct in Docket No. 10-02013.

1 alternative route would travel southeast to interconnect the Project with Sierra's existing
2 Churchill to Frontier 230kV Line.

3 **3. NAC 703.421(1)(c). The reason why the location identified in paragraph**
4 **(a) is best suited for the proposed utility facility.**

5 Approximately one-half of the preferred route parallels and makes use of Sierra's existing
6 Churchill to Frontier transmission route, minimizing new environmental and visual impacts. In
7 addition, the preferred route makes use of existing infrastructure at the Frontier Substation,
8 thereby eliminating an approximate one (1) mile line fold and duplication of equipment at the
9 alternate prospect site.

10 **B. NAC 703.421(2). A general description of the proposed utility facility.**

11 **1. NAC 703.421(2)(a). The size and nature of the proposed utility facility.**

12 The transmission line portion of the Project is proposed as a 230 kV overhead
13 transmission line and fiber optic line that will be approximately nine (9) miles long. Typical
14 design characteristics of the transmission line can be found in Table 1, below, and in Exhibit E.
15 The Project will require a ninety (90) foot width permanent right-of-way ("ROW") a majority of
16 its length, a 110-foot width permanent ROW around the two angle points, and an additional
17 110-foot width temporary ROW for construction. Approximately three (3) miles of the Project is
18 located on public lands managed by the BLM, while the remaining six (6) miles is located on
19 public lands managed by the USFS.

20 The interconnection portion of the Project is located on BLM-managed lands in and
21 around Sierra's Frontier Substation. These new facilities will include:

- 22 (1) a new 230 kV line terminal;
23 (2) two (2) 230 kV circuit breakers;
24 (3) two (2) 230 kV switches;
25 (4) one (1) 230 kV line switch;
26 (5) protection and control for the new 230 kV conductor and a 230 kV conductor and
27 shield wire;

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- (6) a new 230 kV steel "A" frame "dead-end" structure to be constructed inside the substation; and
- (7) Approximately 275 feet of 230 kV overhead line between the substation and the dead-end structure.

See Exhibit B, Proposed Substation Layout.

Table 1: Typical Design Characteristics

Line length	Approximately 9 miles (3 miles on BLM land; 6 miles on USFS land)
Type of structure	Single weathering steel pole.
Structure height	55 to 70 feet above ground poles plus an additional amount equal to 10% of that structure height plus 2 feet to be buried below ground.
Span length	Approximately 500 to 600 feet.
Number of structures/mile	Approximately 9 to 11 per mile.
Structure Base	Direct embedded
Conductor Types	Conductor – 397.5 MCM All Aluminum "Canna" Shield Wire – 3/8" EHS Steel Insulators – lightweight, thin line polymer rubber with non-reflective light gray color
Clearance of Conductor	Minimum of 8 feet phase to phase based on SPPCo. standard for structures at 230 kV
ROW width	200-foot wide ROW (90-foot permanent width and 110-foot temporary width required for construction)
Access roads	Existing roads would be utilized whenever possible to access the ROW. In those areas where no reasonable access roads exist, Ormat would utilize overland travel to access the ROW.
Voltage	230,000

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2. NAC 703.421(2)(b). The natural resources that will be used during construction and operation of the proposed utility facility.

Applicant intends to utilize existing roads and overland travel and will not construct any new roads. Construction will consume water for the sole purpose to stabilize soils and to control fugitive dust. Applicant estimates that approximately 13 acre feet of water will be used during construction, which will be acquired and trucked from a private entity (i.e. the Grass Valley Ranch).

C. NAC 703.421(3). A summary of any studies which the applicant anticipates will be made of the environmental impact of the proposed utility facility as required by subsection 2 of NRS 704.870, including a copy of all corresponding studies filed with appropriate federal agencies.

Table 2, below, includes a summary of studies that are being conducted or that the Applicant anticipates will be conducted.

Table 2: Summary Studies

STUDIES	AGENCY	SCOPE	PURPOSE
Plan of Development	BLM, USFS	Transmission Line	ROW issuance
Plan of Utilization	BLM	Geo-power plant construction	Site License
NEPA Environmental Assessment	BLM, USFS	Project Environmental Review	Decision Record
Cultural field work, report and mitigation	BLM, USFS, SHPO		Supporting NEPA special studies
Water Modeling and Monitoring	BLM, NDEP		Supporting NEPA special studies
Noise Modeling	BLM		Supporting NEPA special studies
Biologic studies	BLM, USFS		Supporting NEPA special studies
Botanical studies	BLM, USFS		Supporting NEPA special studies
Vegetation	BLM		Supporting NEPA

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Assessment			special studies
Biological assessment / Biologic evaluation	USFS		Supporting NEPA special studies

D. NAC 703.421(4). Copy of the public notice of the application and proof of the publication of the public notice.

A copy of the public notice of the application and proof of publication of the public notice is attached hereto as Exhibit G.

E. NAC 703.421(5). Proof of service to the Nevada State Clearinghouse.

A copy of the proof of service to the Nevada State Clearinghouse is attached hereto as Exhibit H.

IV. CONCLUSION

Applicant respectfully requests that the Commission notice this filing as the initial application, as required by NRS 704.870(2)(a) and NRS 704.870(5). At such time as Applicant files its amended application pursuant to NRS 704.870(2)(b), Applicant will request the Commission further process Applicant's application and issue a permit to construct for the Project.

DATED and respectfully submitted this 21st day of April, 2011.

HOLLAND & HART LLP

By: Tim Clausen
Tim Clausen
Fred Schmidt
777 E. William Street, Suite 200
Carson City, Nevada 89701
Attorneys for the Applicant

**INITIAL UEPA APPLICATION FOR A PERMIT TO CONSTRUCT
THE MCGINNESS HILLS TRANSMISSION LINE
LIST OF EXHIBITS**

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- Exhibit A Project Vicinity, Location and Transmission Route Maps
- Exhibit B Proposed Substation Layout
- Exhibit C Legal Descriptions and transmission Line Segment Lengths
- Exhibit D Ownership Plats
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- Exhibit F Specific Route Map
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- Exhibit H Certificate of Service

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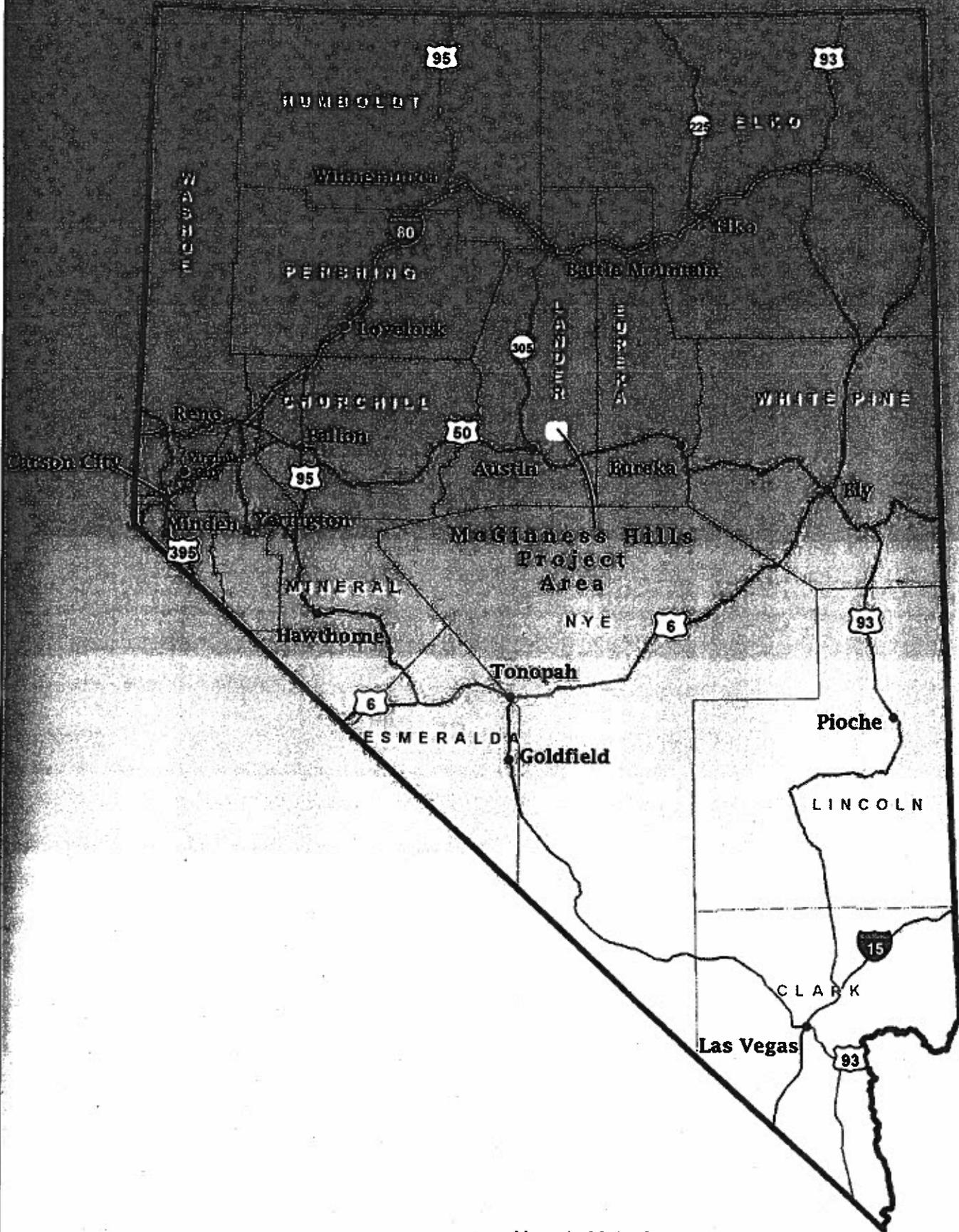
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EXHIBIT A

Project Vicinity, Location and Transmission Route Maps

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Figure 1: Project Vicinity Map

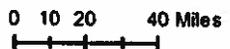


● Nevada Major Towns

— U.S. Highway

— State Route

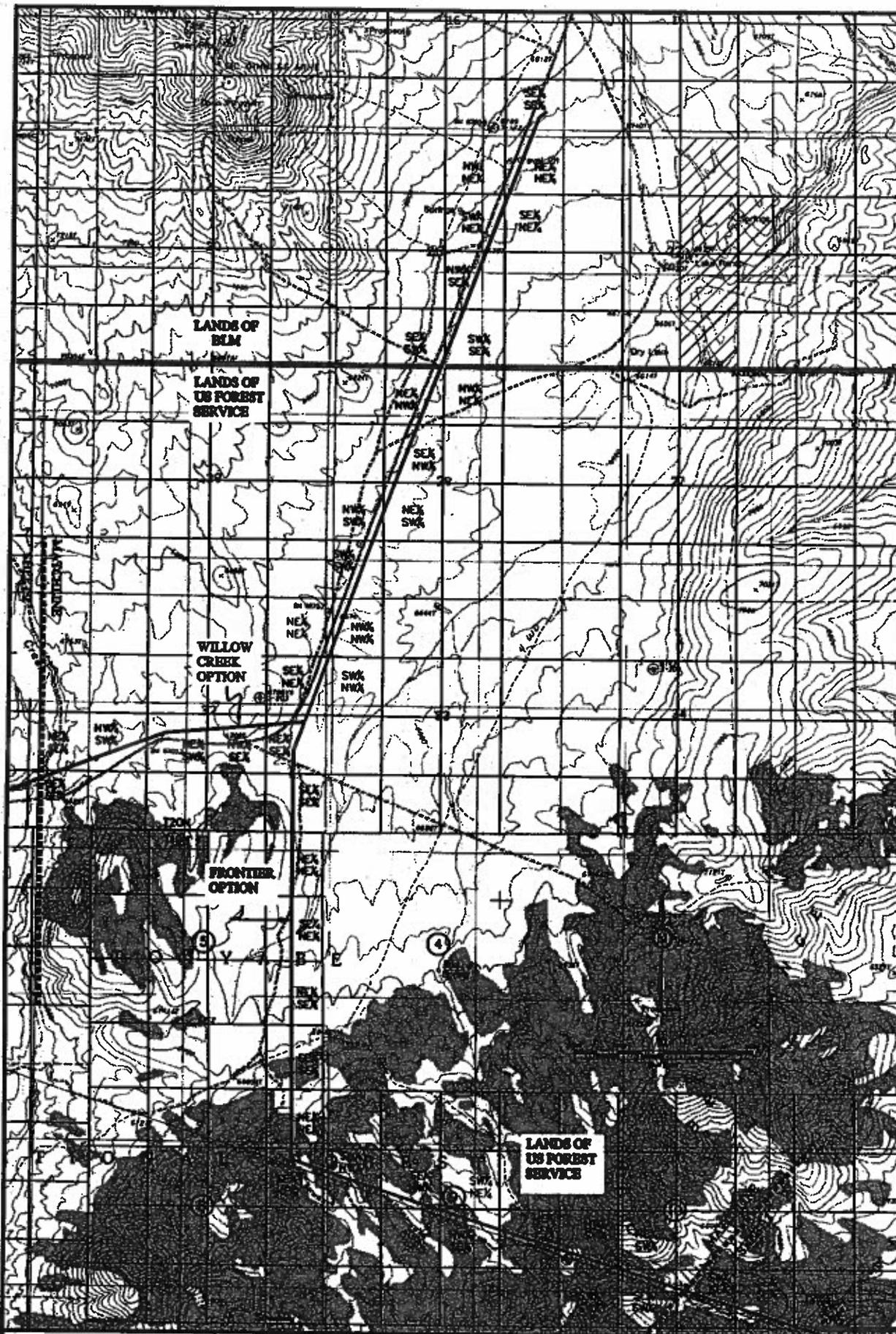
— Interstate



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 Projection Transverse_Mercator
 Drawn 01/13/2011



US GEOMATICS
 Reno, NV 89505
 PH 775-784-2111
 FX 775-784-2114
 www.usgeomatix.com

Prepared by:	MEAD	Mark. with:	P=BLM
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Checked by:		Mark. date:	02/01/01
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ORMAT NEVADA, INC.
 McGINNESS HILLS GEOTHERMAL PROJECT

**PROPOSED LOCATION
 OF 230KV TRANSMISSION LINE**

LANDER CO. NEVADA

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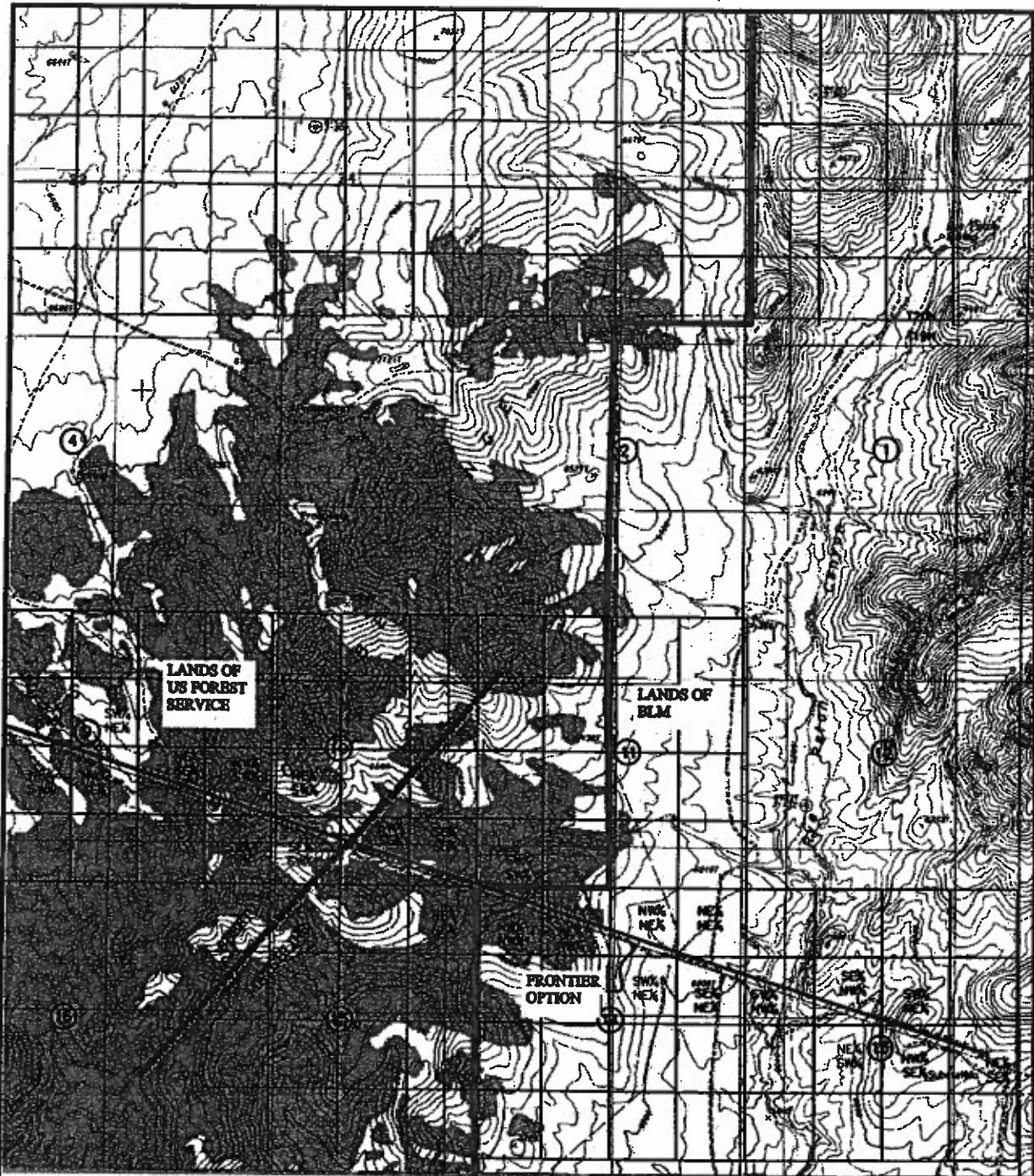


US
ENGINEERS
 2000, 217 2000
 PH 775-790-0111
 FX 775-790-0104
 www.usengr.com

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ORMAT NEVADA, INC.
 McGINNESS HILLS GEOTHERMAL PROJECT
**PROPOSED LOCATION
 OF 230kV TRANSMISSION LINE**
 LANDER CO. NEVADA

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US
GEOMATICS
 Reno, NV 89502
 800-779-7000-2411
 775-796-0104
 www.usgeom.com

Project No:	230-24-02	Scale:	1" = 200'
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ORMAT NEVADA, INC
 McGINNESS HILLS GEOTHERMAL PROJECT
**PROPOSED LOCATION
 OF 230KV TRANSMISSION LINE**
 LANDER CO. NEVADA

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EXHIBIT B

Proposed Substation Layout

FRONTIER
SUBSTATION

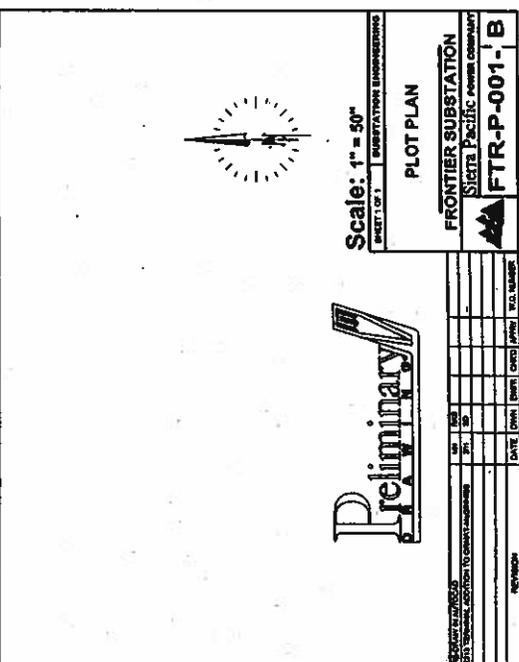
YOCAVON HALL
SCALE: NONE

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SUBSTATION ENGINEERING

PLOT PLAN

FRONTIER SUBSTATION
SIERRA PACIFIC POWER COMPANY
FTR-P-001-B



NO.	REVISION	DATE	BY	CHKD	APP'D	SCALE
1	ISSUED FOR PERMITS					
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Preliminary

Scale: 1" = 50'

SUBSTATION ENGINEERING

PLOT PLAN

FRONTIER SUBSTATION
SIERRA PACIFIC POWER COMPANY
FTR-P-001-B

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EXHIBIT C

Legal Descriptions and Line Segment Lengths

LEGAL DESCRIPTION
Ormat Nevada, Inc.
McGinness Hills 230kV Transmission Line
January 17, 2011

T20N, R45E

SEC 16 SE $\frac{1}{4}$ SE $\frac{1}{4}$
SEC 21 NE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$,
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SEC 33 SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$

FRONTIER OPTION

T19N, R45E

SEC 5 NE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
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SEC 15 NE $\frac{1}{4}$ NE $\frac{1}{4}$

T20N, R45E

SEC 32 NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

WILLOW CREEK OPTION

T19N, R44E

SEC 1 Lot 1, SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$

T19N, R45E

SEC 6 Lot 3, Lot 4

T20N, R45E

SEC 31 Lot 4, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$
SEC 32 NE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$

Prepared by:
Glen C. Armstrong, PLS WRS
US Geomatics, Inc.
227 Vine Street
Reno, NV 89503

Transmission Line:

Length of line in BLM (inside Lease) lands = 1.2 Miles ± (6,304')

Length of line in USFS (outside Lease) lands = 1.6 Miles ± (8,620')

Total length of transmission line = 2.8 Miles ±

Frontier Option:

Length of line in BLM lands = 1.9 Miles ± (10,257')

Length of line in USFS lands = 4.1 Miles ± (21,884')

Total length of the Frontier Option = 6.0 Miles ±

Willow Creek Option:

Total Length of line in USFS lands = 3.1 Miles ± (16,457')

EXHIBIT D

Ownership Plat Maps

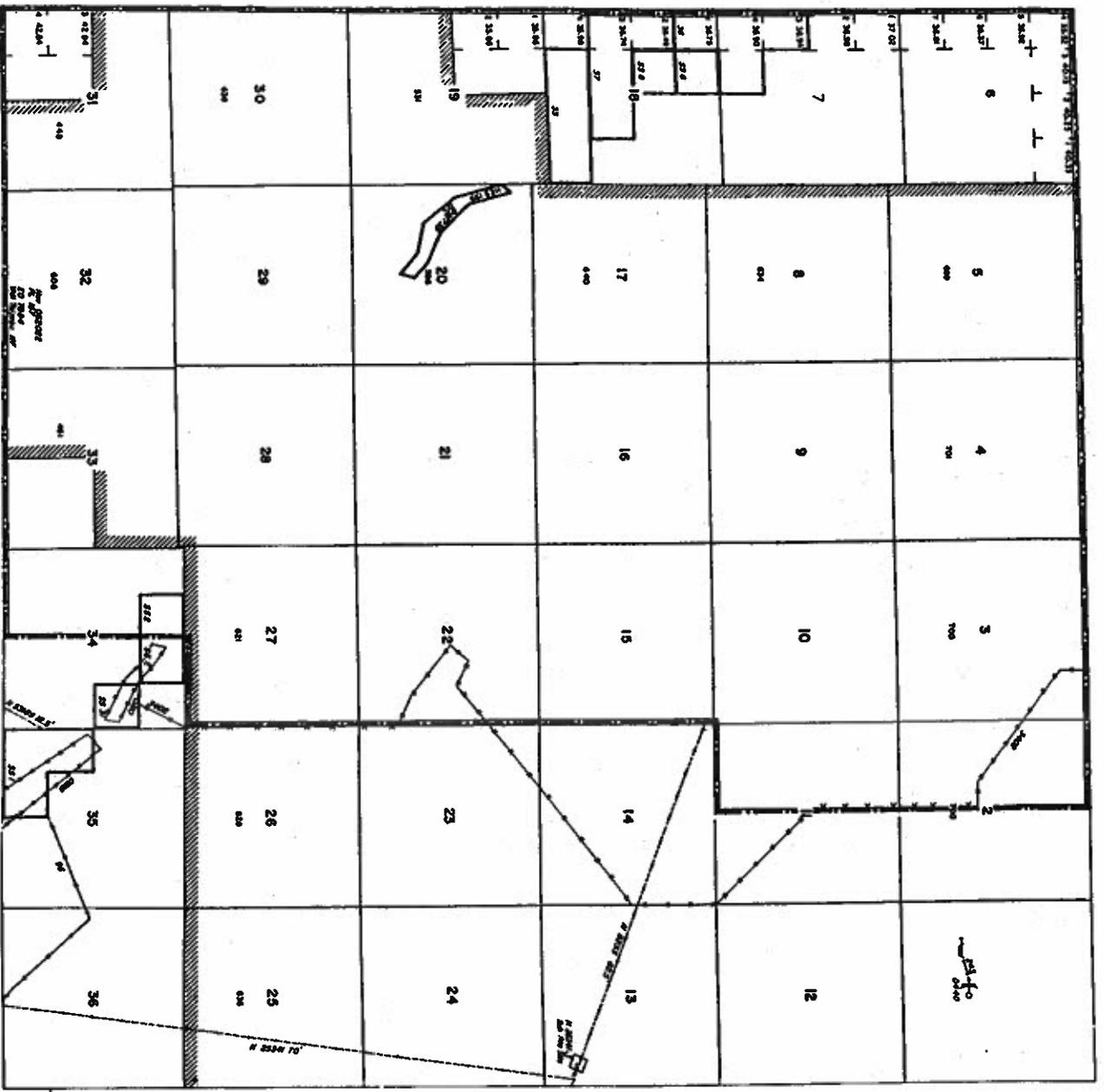
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PARTIALLY SURVEYED TOWNSHIP 19 NORTH RANGE 45 EAST OF THE MOUNT DIABLO MERIDIAN, NEVADA
 PROTRACTOR DIAGRAM No 152
 LANDER COUNTY
 BATTLE MTN GR DIST

STATUS OF PUBLIC DOMAIN
 LAND AND MINERAL TITLES

MT PLAT



SCALE
 1" = 30 CHAINS TO ONE INCH

WARNING: This plat is the Bureau's record of this and should be used only as a guide. It is not a warranty of title. The original survey should be consulted for a full and correct description of the land. The original survey should be consulted for a full and correct description of the land. The original survey should be consulted for a full and correct description of the land.

INDEX TO SEGREGATED TRACTS			
TRACT NO.	SECTION	TOWNSHIP	RANGE
1	36	19N	45E
2	36	19N	45E
3	36	19N	45E
4	35	19N	45E
5	35	19N	45E
6	35	19N	45E
7	34	19N	45E
8	34	19N	45E
9	34	19N	45E
10	33	19N	45E
11	33	19N	45E
12	33	19N	45E
13	32	19N	45E
14	32	19N	45E
15	32	19N	45E
16	31	19N	45E
17	31	19N	45E
18	31	19N	45E
19	30	19N	45E
20	30	19N	45E
21	30	19N	45E
22	29	19N	45E
23	29	19N	45E
24	29	19N	45E
25	28	19N	45E
26	28	19N	45E
27	28	19N	45E
28	27	19N	45E
29	27	19N	45E
30	27	19N	45E
31	26	19N	45E
32	26	19N	45E
33	26	19N	45E
34	25	19N	45E
35	25	19N	45E
36	25	19N	45E

DR. GEORGE E. BROWN, JR., REGISTERED SURVEYOR, HAS BEEN AUTHORIZED TO SIGN THIS PLAT FOR THE BUREAU OF LAND MANAGEMENT, U.S. DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C. 20250.

COMMITTEE NO.	BY
1-5-85	AW
10-21-85	CA-11
11-15-86	AW

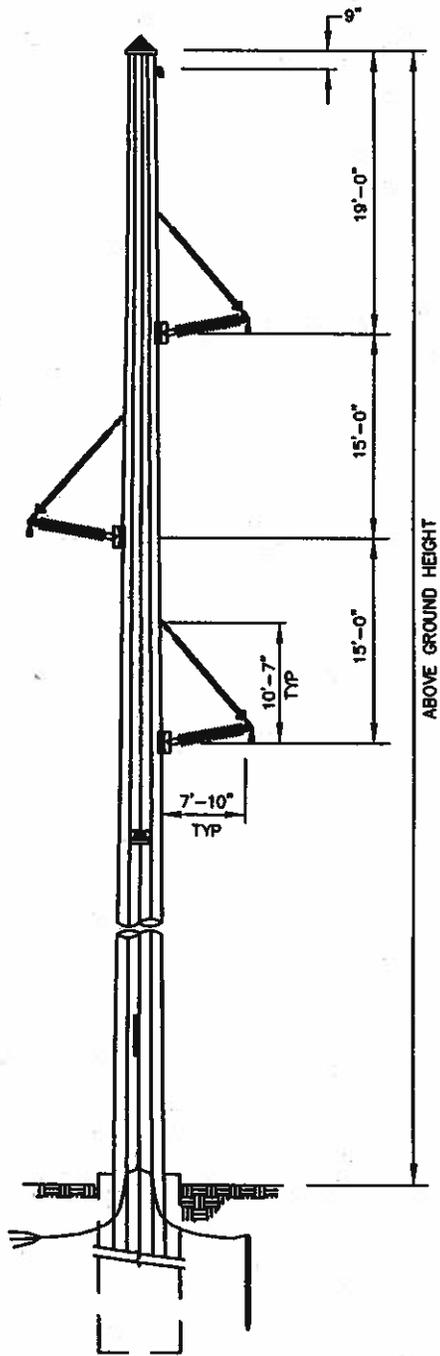
M-060
 T 19N
 R. 45E

EXHIBIT E

Typical Transmission Structures

Holland & Hart LLP
777 East William Street, Suite 200
Carson City, Nevada 89701

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NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 4'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED.
KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.

ORMAT®



ORMAT McGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, TANGENT 0°-2°
FIGURE 3

REVISION NO.

DATE

ORIGINAL ISSUE

02/01/90

TRAVAGE

CONSULTING

6418 Longley Lane

Suite A

Reno, NV 89511

Ph: (775) 336-1300

Fax: (775) 336-1306

ENGINEER:

JIM BENGOCHEA

PHONE NUMBER:

(775) 336-1302

PROJECT NUMBER:

MH_01

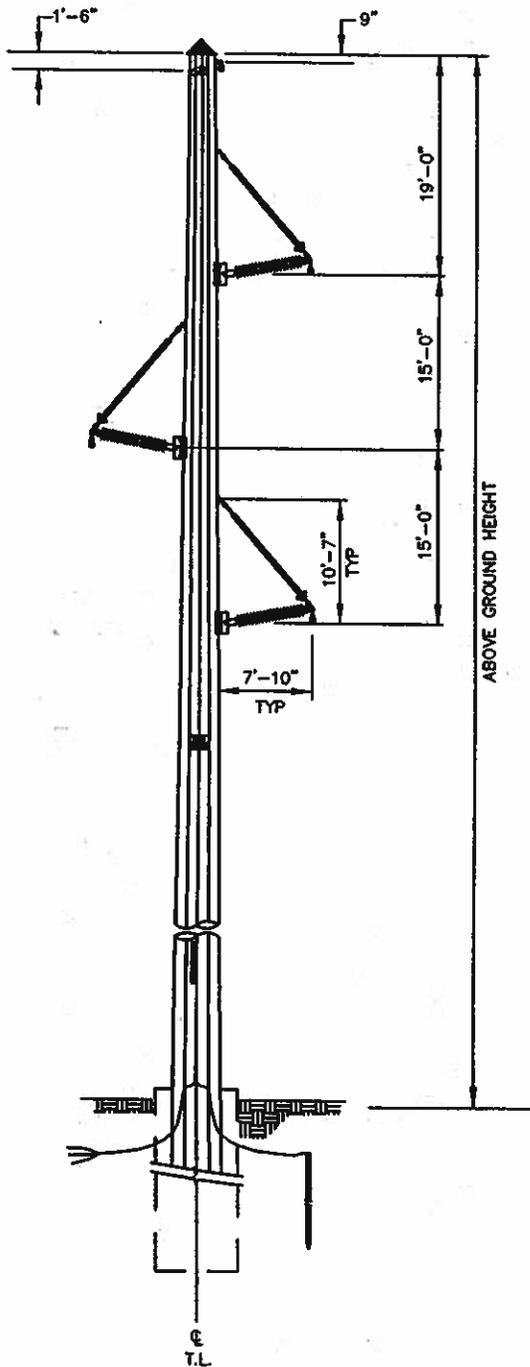
PREPARED BY:

KLC

CHECKED:

JMB

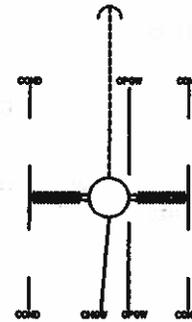
APPROVED:



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.

GUYING AS SPECIFIED



PLAN VIEW

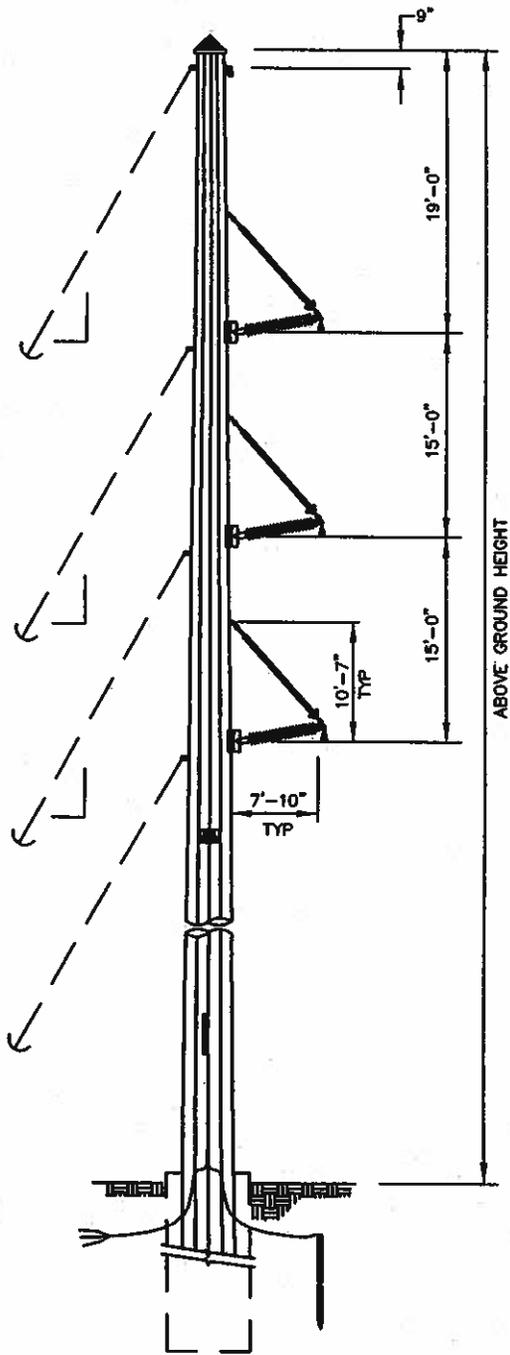
ORMAT

ORMAT MCGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, SWDE TANGENT 0°
FIGURE 4

REVISION NO.	DATE
ORIGINAL ISSUE	6/26/11

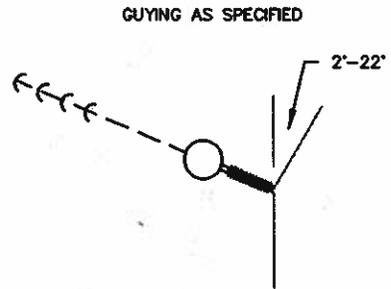
TRANGE
CONSULTING
6418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1306

ENGINEER:	JIM BENGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	ML_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.



PLAN VIEW

ORMAT®

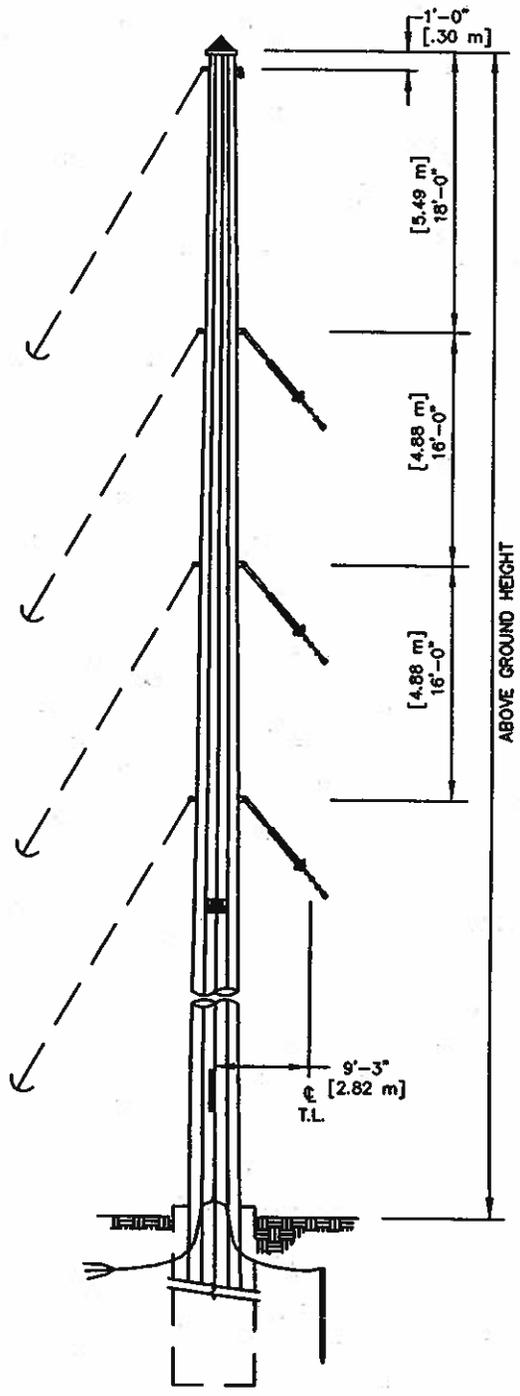


ORMAT McGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, LIGHT ANGLE 2°-22°
FIGURE 5

REVISION NO.	DATE
ORIGINAL ISSUE	06/07/00

TRANGE
CONSULTING
6418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1300

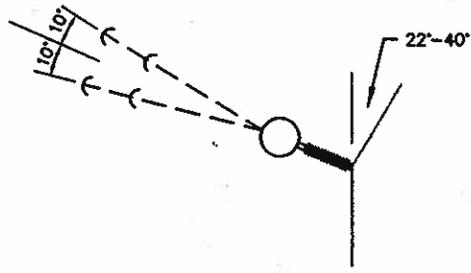
ENGINEER:	JIM BERGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	MH_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.

GUYING AS SPECIFIED



PLAN VIEW

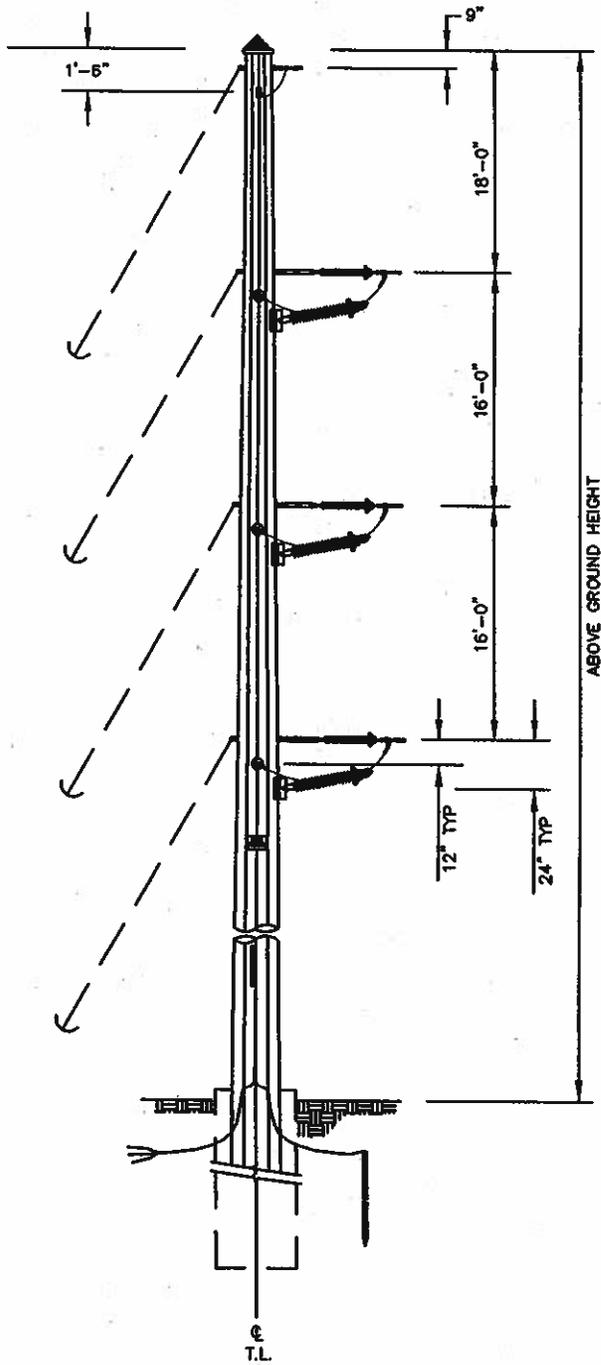


**ORMAT McGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, MEDIUM ANGLE 22°-40°
FIGURE 6**

REVISION NO.	DATE
ORIGINAL ISSUE	08/07/10

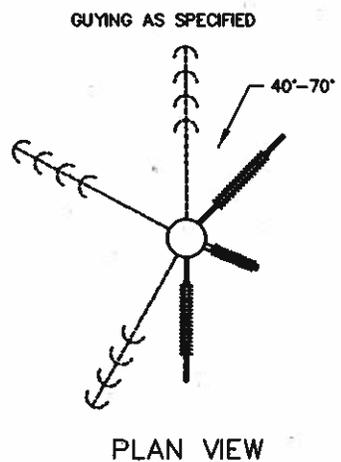
TRAVAGE
CONSULTING
6418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1306

ENGINEER:	JIM BENGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	MH_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.



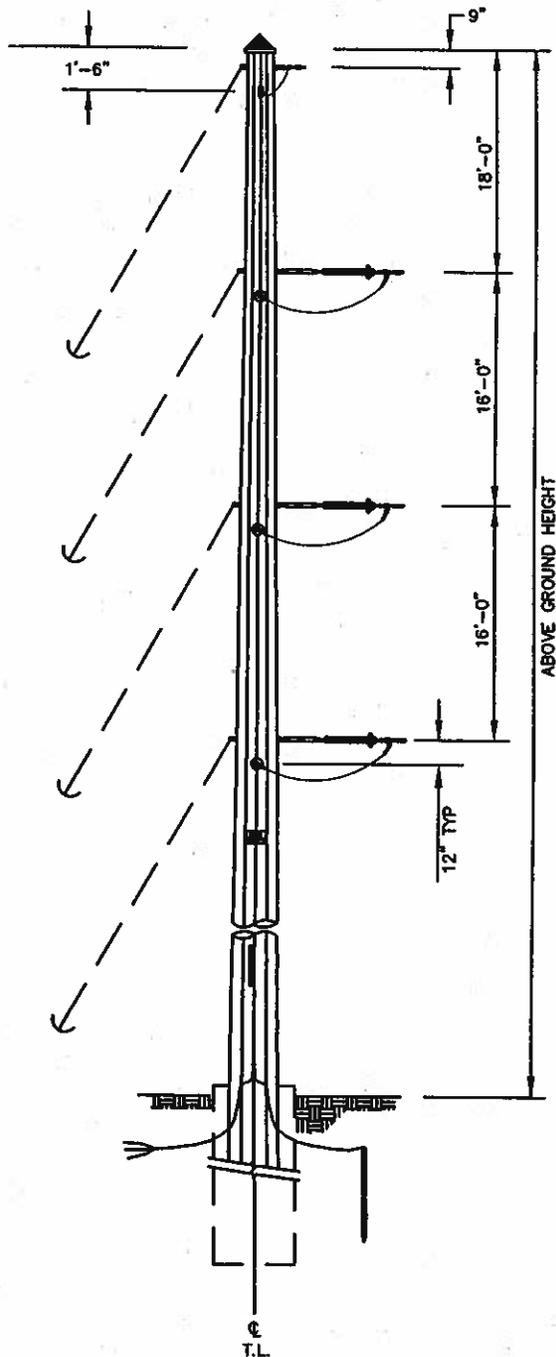
ORMAT 

ORMAT MCGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, HEAVY ANGLE 40°-70°
FIGURE 7

REVISION NO.	DATE
ORIGINAL ISSUE	08/07/00

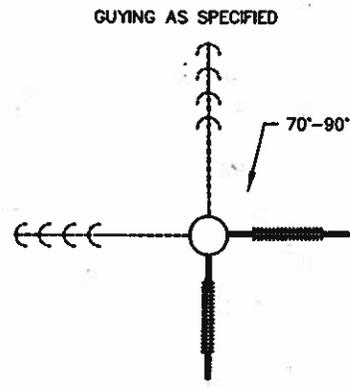
TRAVAGE
CONSULTING
5418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1308

ENGINEER:	JIM BENGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	MR_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.



PLAN VIEW

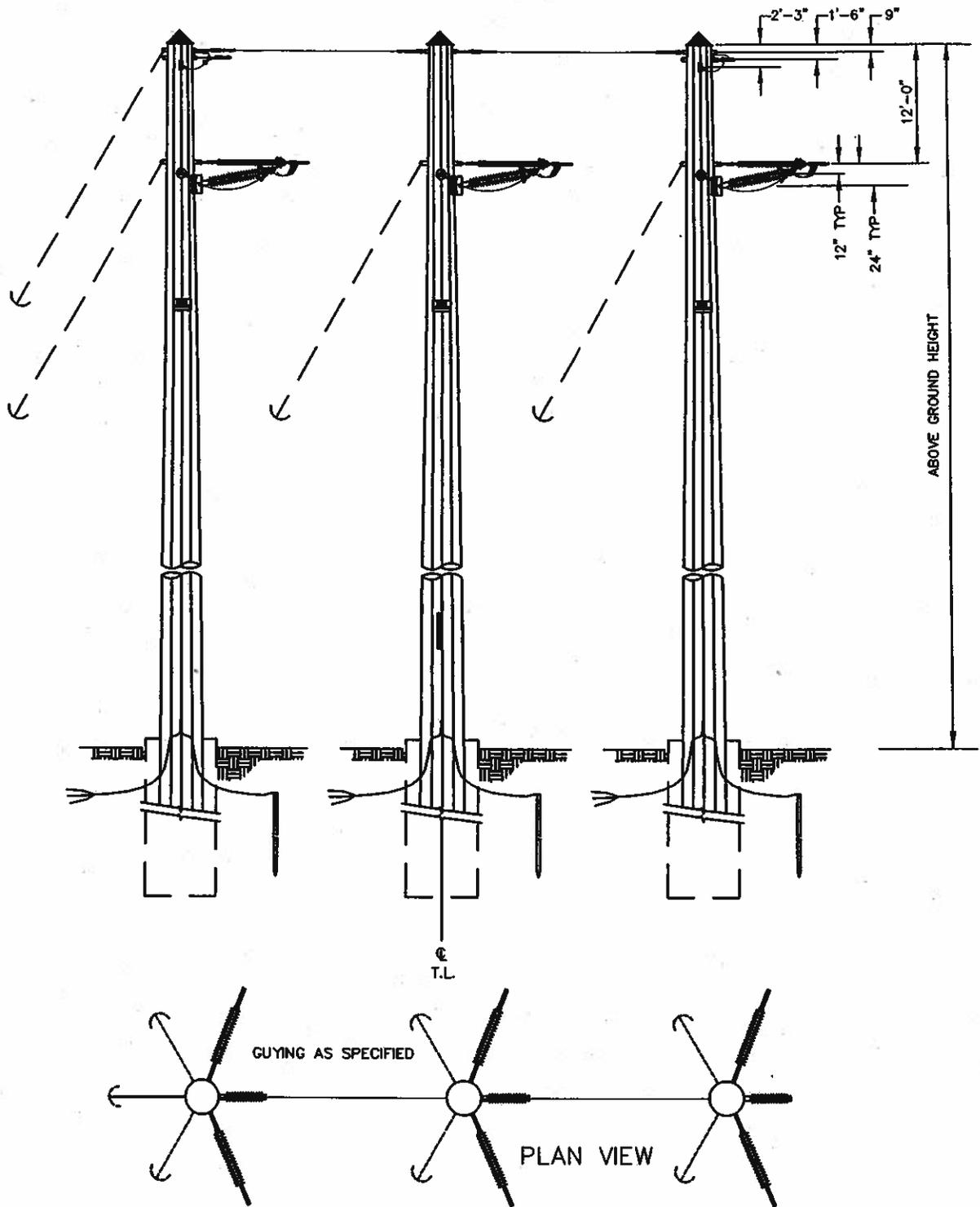


ORMAT McGINNESS HILLS 230KV LINE
SINGLE POLE STRUCTURE, HEAVY ANGLE 70°-90°
FIGURE 8

REVISION NO.	DATE
ORIGINAL ISSUE	08/07/00

TRAVAGE
CONSULTING
5418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1306

ENGINEER:	JIM BENGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	MH_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



NOTES:

1. ALL DIMENSIONS ARE TO CENTERLINE OF ATTACHMENT.
2. EMBEDMENT DEPTH - 10% + 2'.
3. INSTALL POLE TOP CONE FOR ANTI-PERCHING AS REQUIRED. KADDAS ENTERPRISES TYPE KE1140 OR SIMILAR.

ORMAT

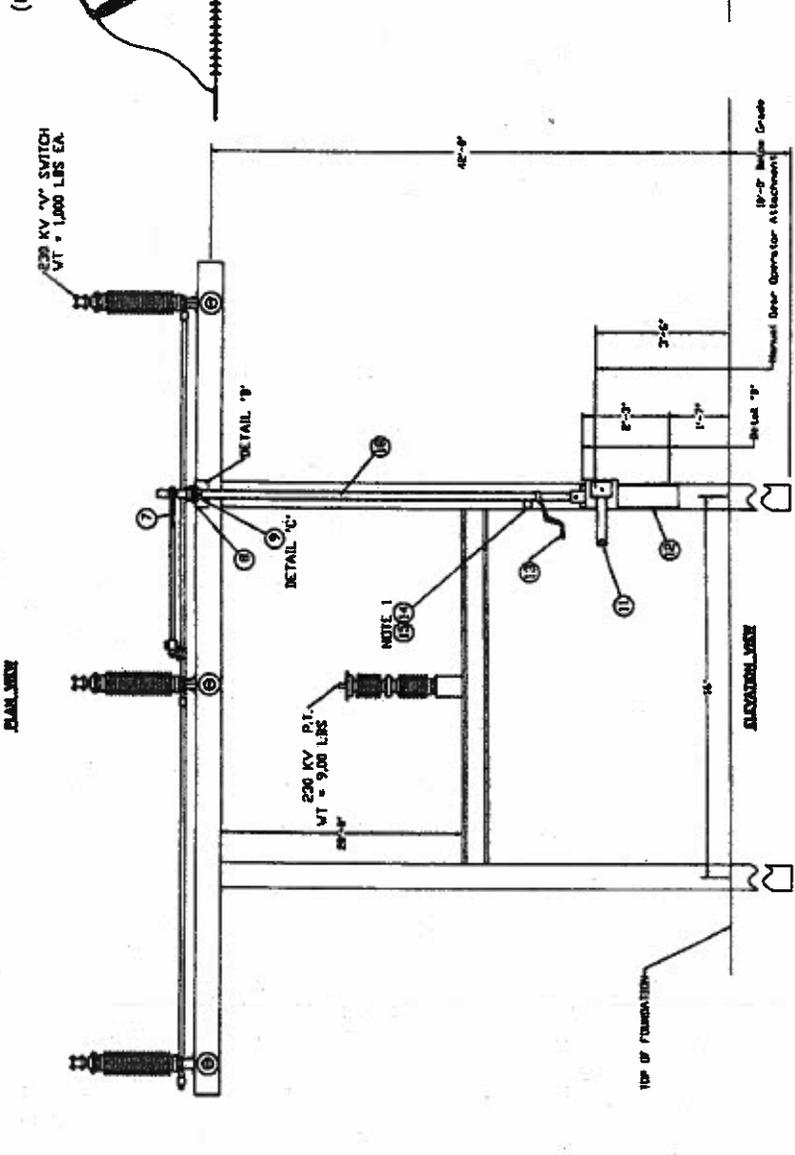
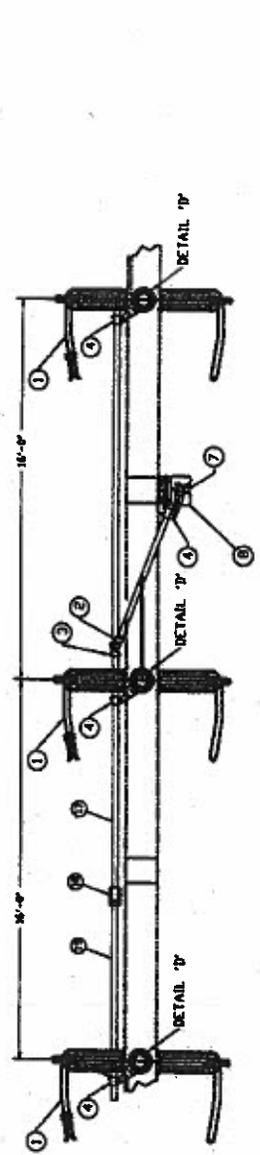
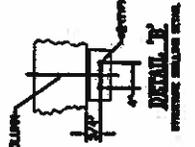
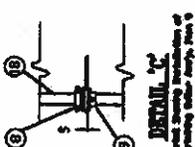
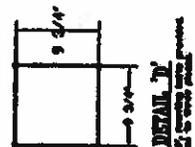


ORMAT MCGINNESS HILLS 230KV LINE
3 POLE STRUCTURE, ANGLE 40°-70°
FIGURE 9

REVISION NO.	DATE
ORIGINAL ISSUE	01/05/11

TRACAGE
CONSULTING
5418 Longley Lane
Suite A
Reno, NV 89511
Ph: (775) 336-1300
Fax: (775) 336-1306

ENGINEER:	JIM BENGOCHEA
PHONE NUMBER:	(775) 336-1302
PROJECT NUMBER:	MH_01
PREPARED BY:	KLC
CHECKED:	JMB
APPROVED:	



Bill of Materials

Qty	Part Number	Description
1	000001-01	1 Phase Phase Assy, 100 "C" 230KV, 23000, CV
1	000002	1 Rod End Clevis
1	000003	1 Bolt Universal
1	000004	1 Bush Pin Assembly
1	000005	1 Pin 1 1/2" Dia
1	000006	1 Pin 1 1/2" Dia
1	000007	1 Pin 1 1/2" Dia
1	000008	1 Pin 1 1/2" Dia
1	000009	1 Pin 1 1/2" Dia
1	000010	1 Pin 1 1/2" Dia
1	000011	1 Pin 1 1/2" Dia
1	000012	1 Pin 1 1/2" Dia
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1	000098	1 Pin 1 1/2" Dia
1	000099	1 Pin 1 1/2" Dia
1	000100	1 Pin 1 1/2" Dia

Bill of Materials

Qty	Part Number	Description
1	000001	1 Phase Phase Assy, 100 "C" 230KV, 23000, CV
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1	000097	1 Pin 1 1/2" Dia
1	000098	1 Pin 1 1/2" Dia
1	000099	1 Pin 1 1/2" Dia
1	000100	1 Pin 1 1/2" Dia

Notes:

1. Detail components on or near control as to be readable from the ground.
2. Switch and controls shown in the closed position.
3. Shiny waterproof fasteners protect in the control parts area.
4. Pipe may be cut off to shorter length as required in detail. Paint cut ends.
5. Apply contact sealing paste recommended between switch terminal pads and terminal conductors.
6. Mounting structure by customer.
7. Mounting hardware by SEECO.

Figure 10

Sierra Pacific POWER COMPANY

NEVADA GEOTHERMAL 230KV LINE SWITCH STRUCTURE

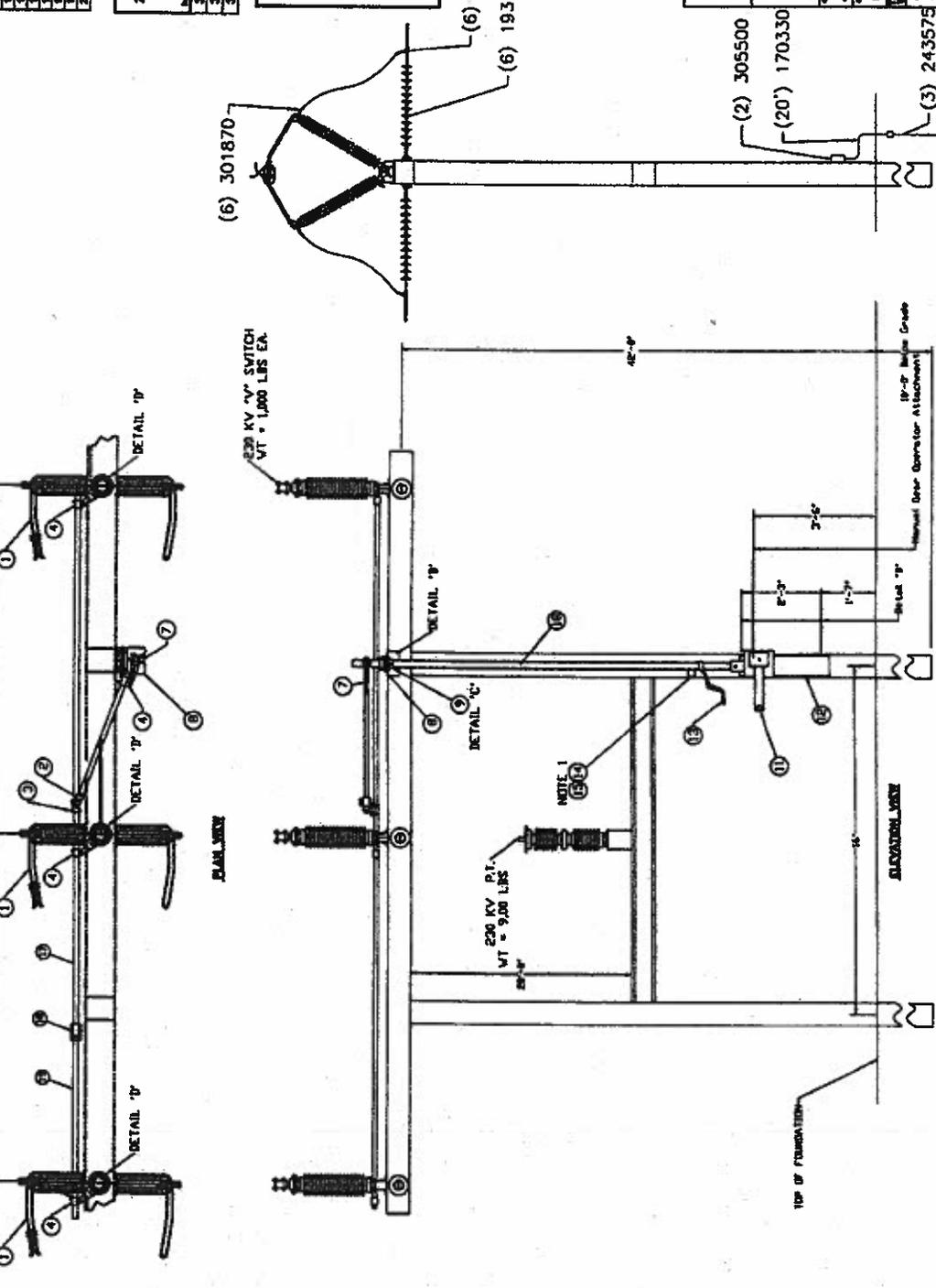
SEC 1000
 JOB 000 ASP
 DATE 00/00
 DRAWN BY 00/00
 CHECKED BY 00/00
 APPROVED BY 00/00

CONTROL MECHANISM
 230 KV, 2000 AMP, Center Y on Steel Structure

SEC 1000
 JOB 000 ASP
 DATE 00/00
 DRAWN BY 00/00
 CHECKED BY 00/00
 APPROVED BY 00/00

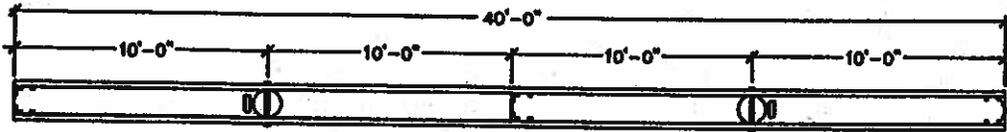
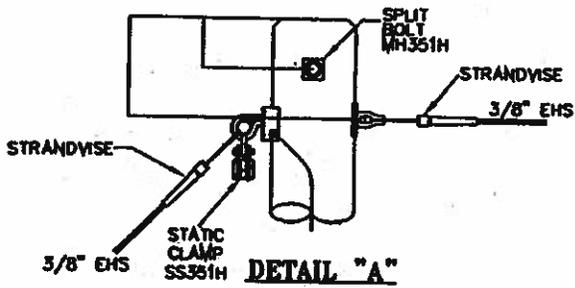
SEECO
 Southern Electrical Equipment Co.
 Charlotte, North Carolina

VTB D-7800-7871

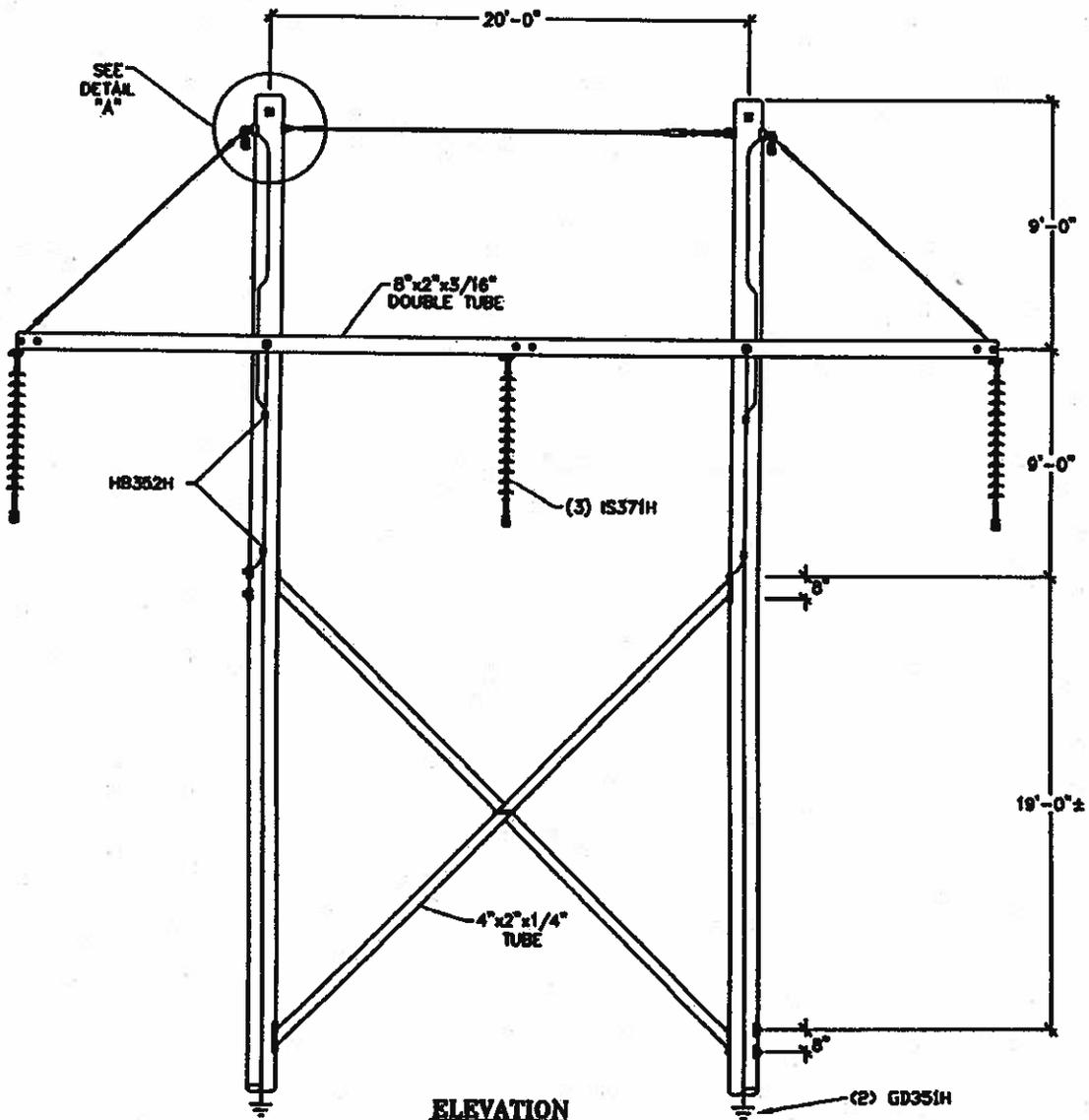


CONSTRUCTION NOTES:

① ALL HARDWARE TO BE BONDED.



TOP VIEW



ELEVATION

Sierra Pacific
POWER COMPANY



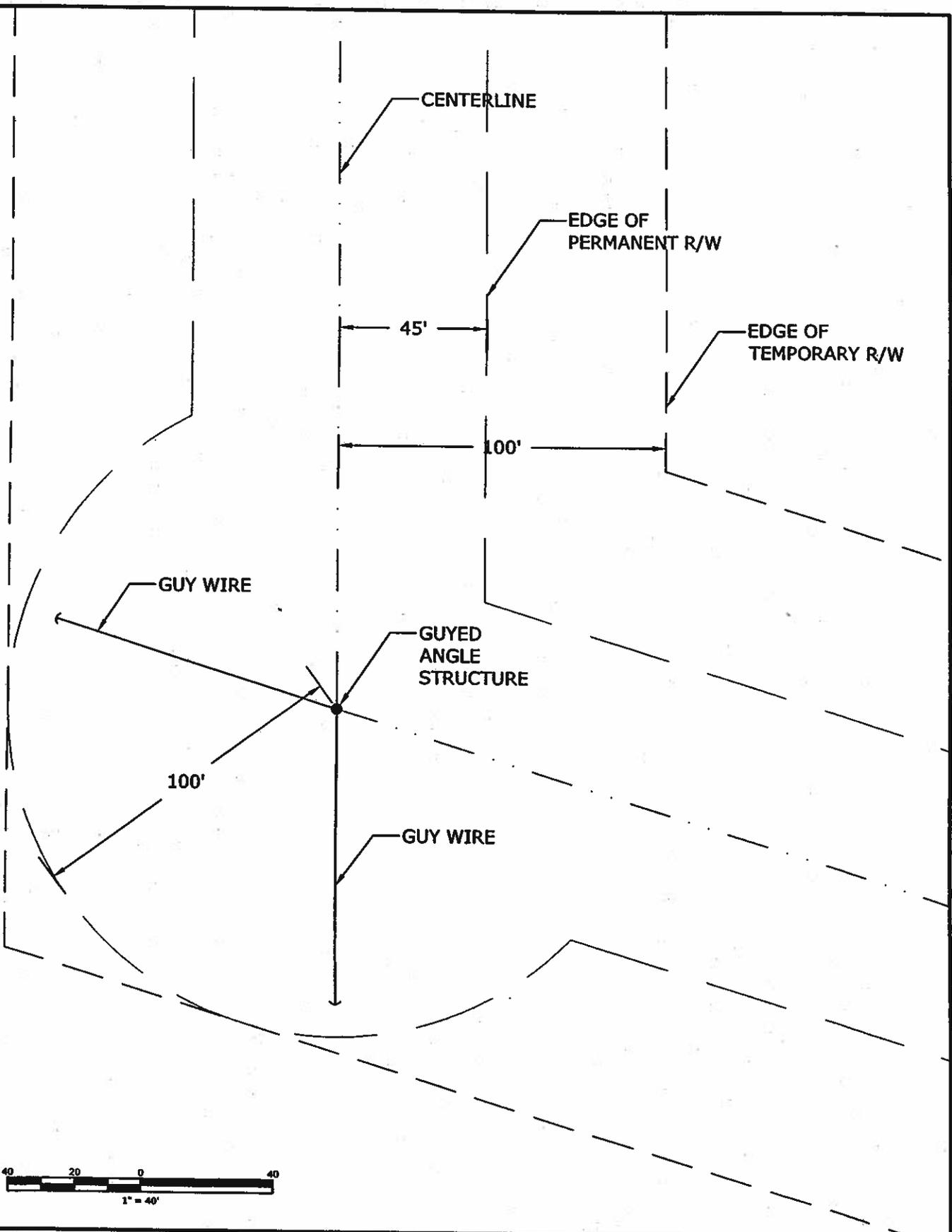
230KV STRUCTURE STANDARDS

SHEET 1 OF 2

DRAWN	DESIGN	SUPR	DATE	REV
NRA	JAL		03/08	12/08

**H-FRAME TANGENT W/DOUBLE
TUBE ARM
(WOOD POLE, NON-PORCELAIN)
Figure 11**

DRAWING NUMBER
DT374H



ORMAT McGINNESS HILLS 230KV LINE
TYPICAL RIGHT OF WAY AT ANGLE POINT
FIGURE 21

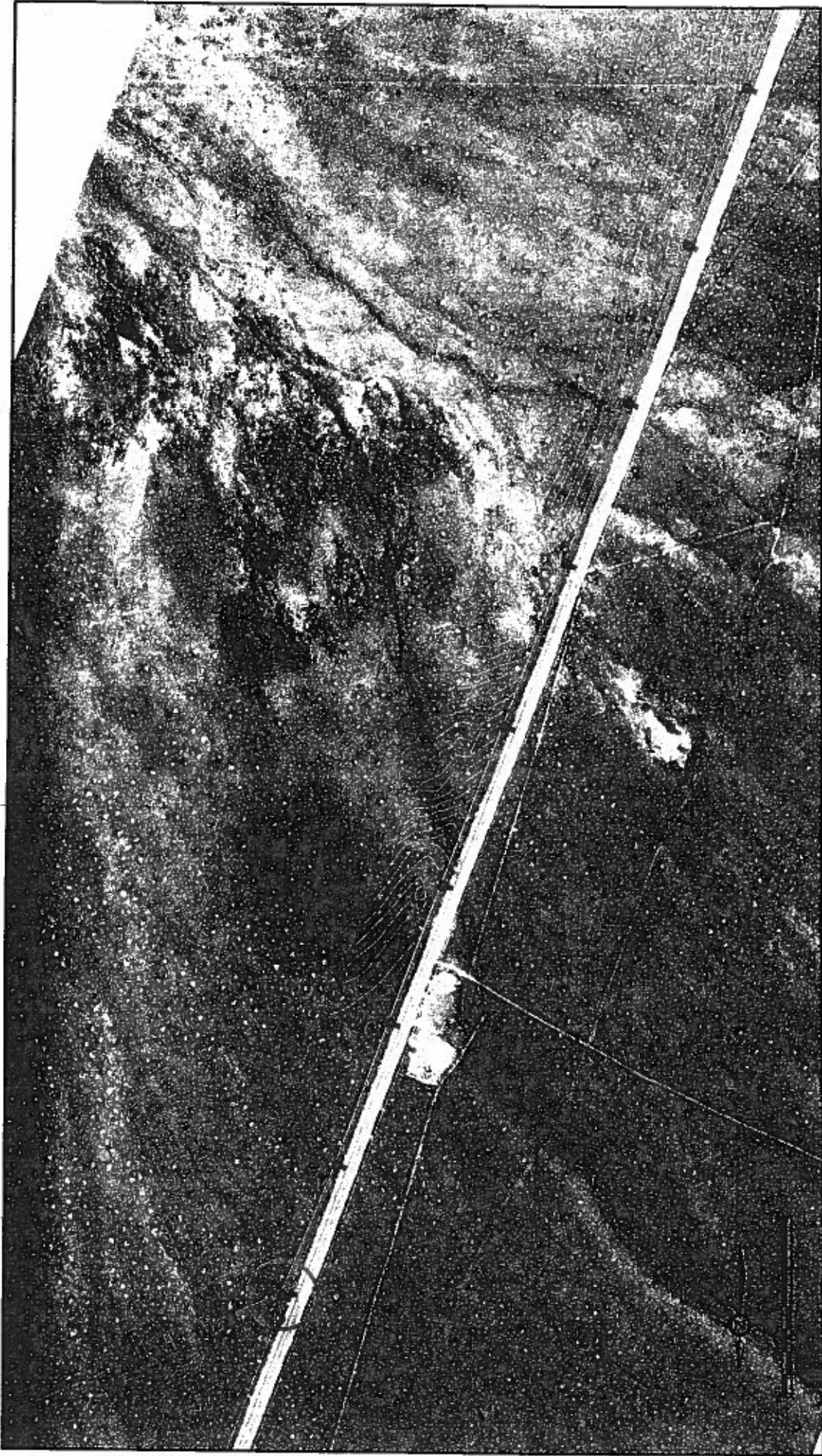
REVISION NO.	DATE	 TRAVAGE CONSULTING 6418 Longley Lane Suite A Reno, NV 89511 Ph: (775) 336-1300 Fax: (775) 336-1306	ENGINEER:	JIM BENGOCHEA
ORIGINAL ISSUE	08/04/10		PHONE NUMBER:	(775) 336-1302
			PROJECT NUMBER:	MR_01
			PREPARED BY:	KLC
			CHECKED:	JMB
		APPROVED:		

EXHIBIT F

Specific Route Details

Holland & Hart LLP
777 East William Street, Suite 200
Carson City, Nevada 89701

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TRAVAGE CONSULTING

US

ORMAT

STRUCTURE ACCESS LEGEND

- OVERLAND TRAVEL
- ACCESS ROAD
- NEW ORMAT LINE
- EXISTING FIVE LINE

Project No: 15-05-02

Date: 07-22-2015

Drawn by: JRE/SL

Checked by: JRE/SL

Scale: 1" = 400'

Horizontal Scale: 1" = 400'

Vertical Scale: 1" = 400'

Client: ORMAT NEVADA, INC.

Project: MCGINNIS HILLS PROPOSED 230KV POWERLINE

Location: LANDER COUNTY, NEVADA

Title: EXHIBIT SHOWING PRELIMINARY PROPOSED ACCESS ROAD & WIRE SET-UP REQUIREMENTS

FIGURE 13

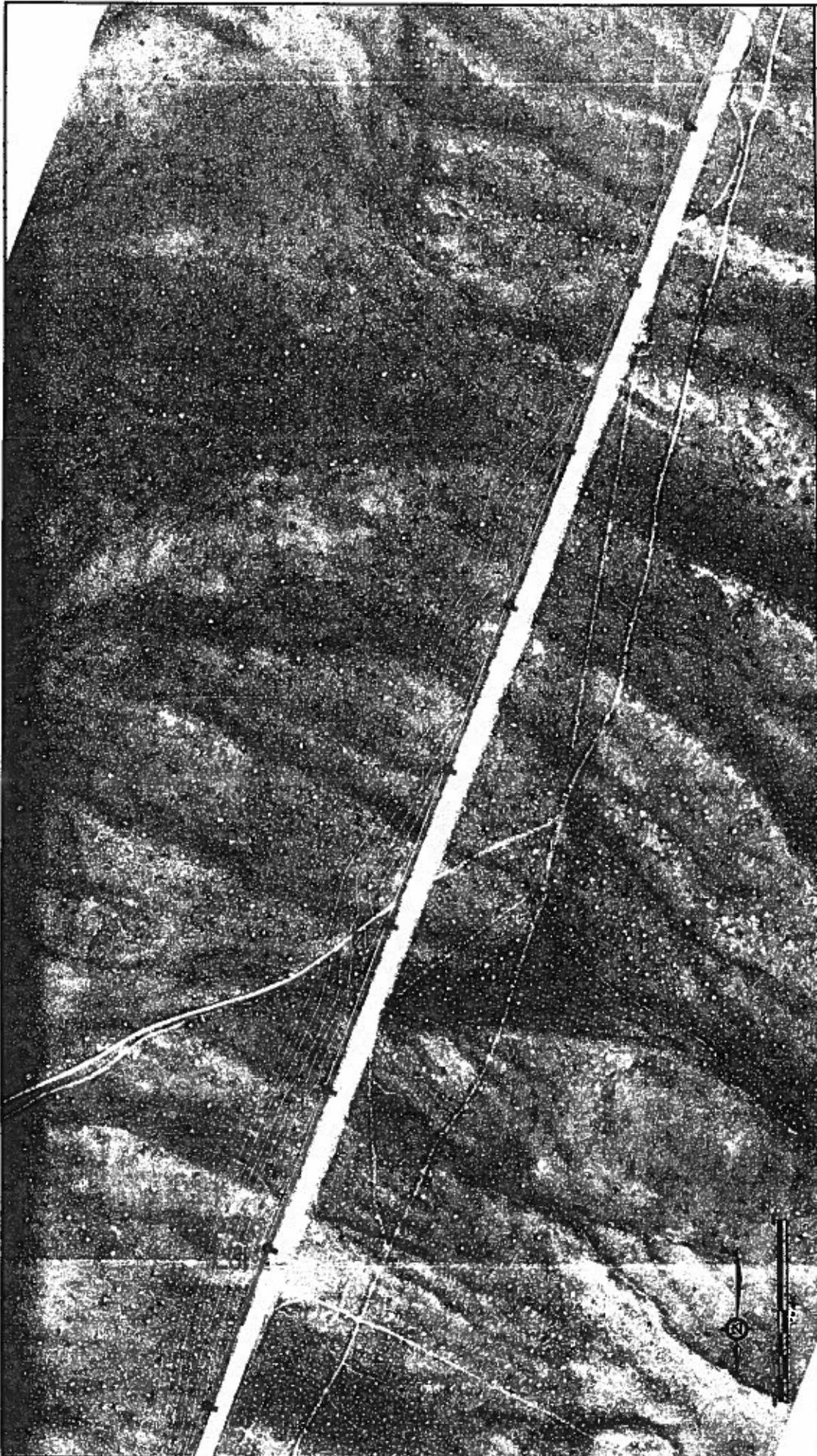


FIGURE
14

ORMAT NEVADA, INC.
MCGINNIS HILLS PROPOSED 230KV POWERLINE
**EXHIBIT SHOWING PRELIMINARY PROPOSED
ACCESS ROAD & WIRE SET-UP REQUIREMENTS**
LANDER COUNTY NEVADA

Project No: 10-24-09
Date: 05-23-09
Drawn by: JMW/SLC
Designed by:
Checked by:

Scale: 1" = 500'
Vertical axis:
Projection:
North arrow:
Vertical datum:

STRUCTURE ACCESS LEGEND

- OVERLAND TRAVEL
- ACCESS ROAD
- NEW ORMAT LINE
- EXISTING WIRE LINE



ORMAT



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CONSULTING



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STRUCTURE ACCESS LEGEND

- OVERLAND TRAVEL
- ACCESS ROAD
- NEW ORMAT LINE
- EXISTING WIRE LINE

Project No: _____
 Date: _____
 Drawn by: _____
 Designed by: _____
 Checked by: _____

1054429
 06-02-2010
 2010/01/12

North scale: _____
 Vertical scale: _____
 Projection: _____
 North datum: _____
 Vertical datum: _____

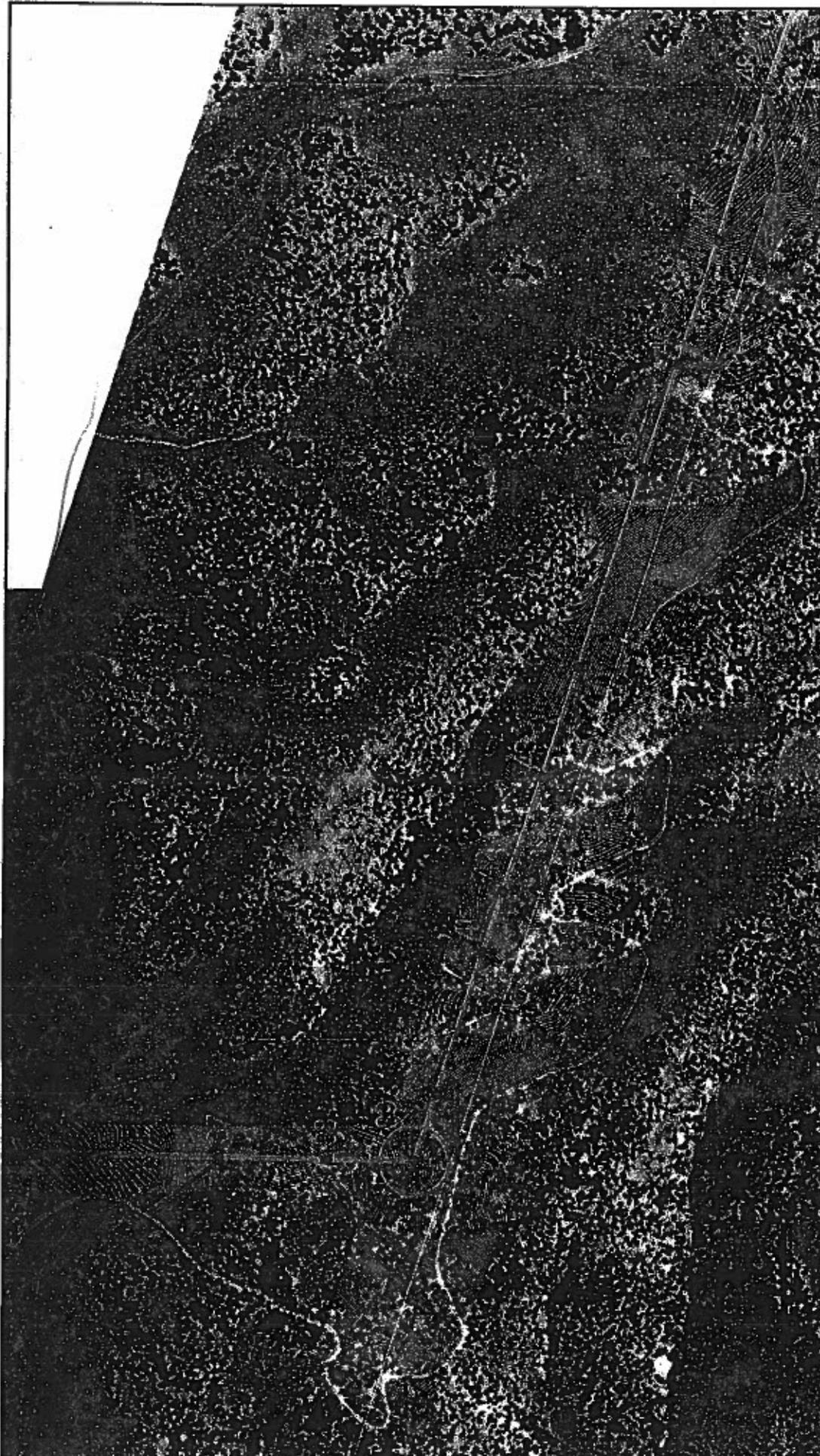
1" = 400'

ORMAT NEVADA, INC.
 MCCINNESSE HILLS PROPOSED 230KV POWERLINE

**EXHIBIT SHOWING PRELIMINARY PROPOSED
 ACCESS ROAD & WIRE SET-UP REQUIREMENTS**

LANDER COUNTY

NEVADA



			<p>STRUCTURE ACCESS LEGEND</p> <ul style="list-style-type: none"> OVERLAND TRAVEL ACCESS ROAD NEW ORMAT LINE EXISTING IWE LINE 	<p>Project No: _____ Date: _____ Drawn by: _____ Checked by: _____</p>	<p>(S-549) 07-30-2021 2021/05</p> <p>Work, scale: _____ Vertical scale: _____ Horizontal: _____ Vertical: _____</p> <p>1" = 400'</p>	<p>ORMAT NEVADA, INC. MCGINNIS HILLS PROPOSED 230KV POWERLINE</p>	<p>EXHIBIT SHOWING PRELIMINARY PROPOSED ACCESS ROAD & WIRE SET-UP REQUIREMENTS</p>	<p>LANDER COUNTY NEVADA</p> <p>FIGURE 17</p>
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FIGURE
18

ORMAT NEVADA, INC.
MCGINNIS HILLS PROPOSED 230KV POWERLINE
**EXHIBIT SHOWING PRELIMINARY PROPOSED
ACCESS ROAD & WIRE SET-UP REQUIREMENTS**
LAUBER COUNTY NEVADA

Project No. _____
Date _____
Drawn by _____
Checked by _____
Scale _____
Vertical Curve _____
Vertical Station _____
Vertical Interval _____

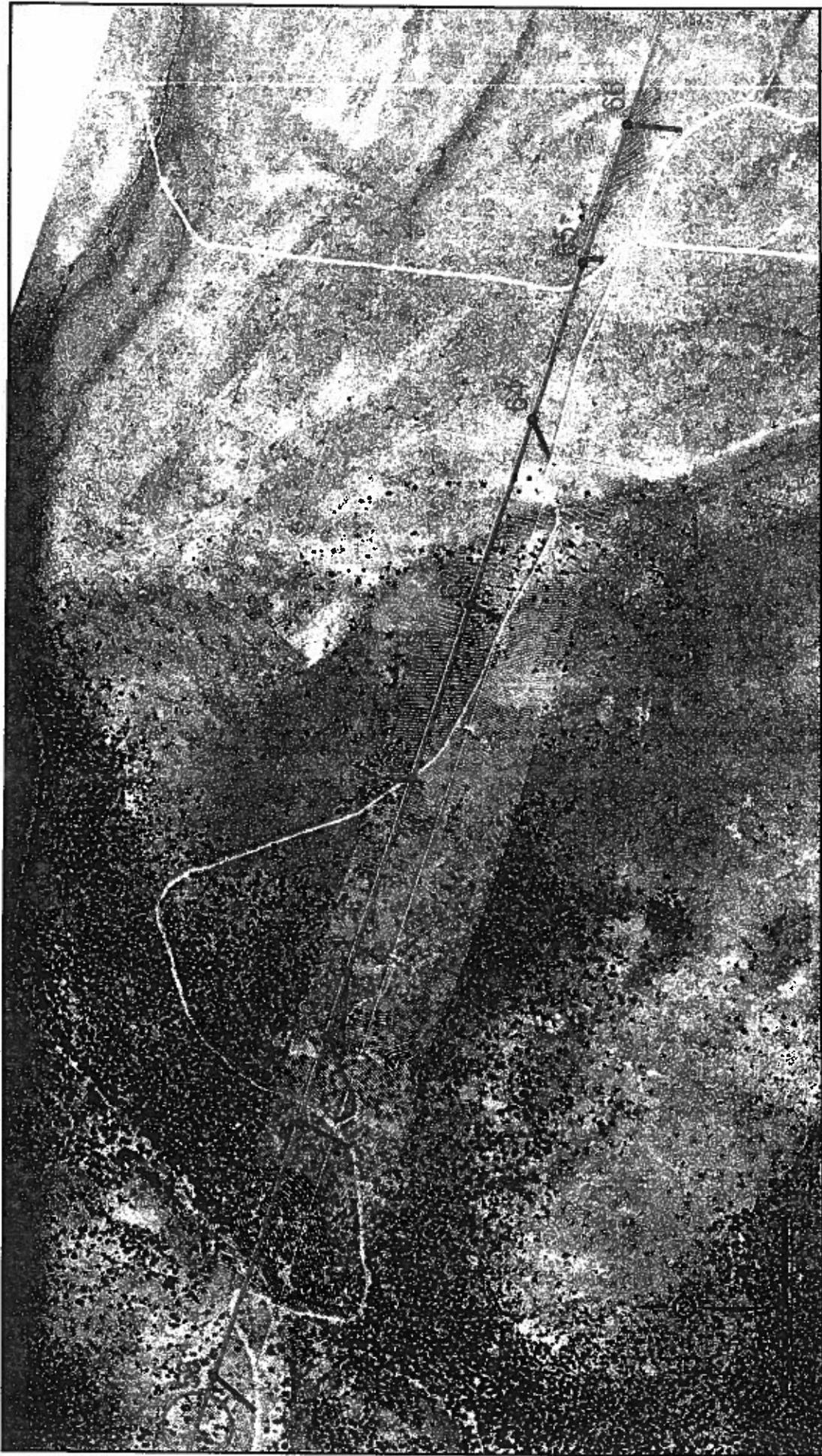
STRUCTURE ACCESS LEGEND
OVERLAND TRAVEL
ACCESS ROAD
NEW ORMAT LINE
EXISTING WIRE LINE



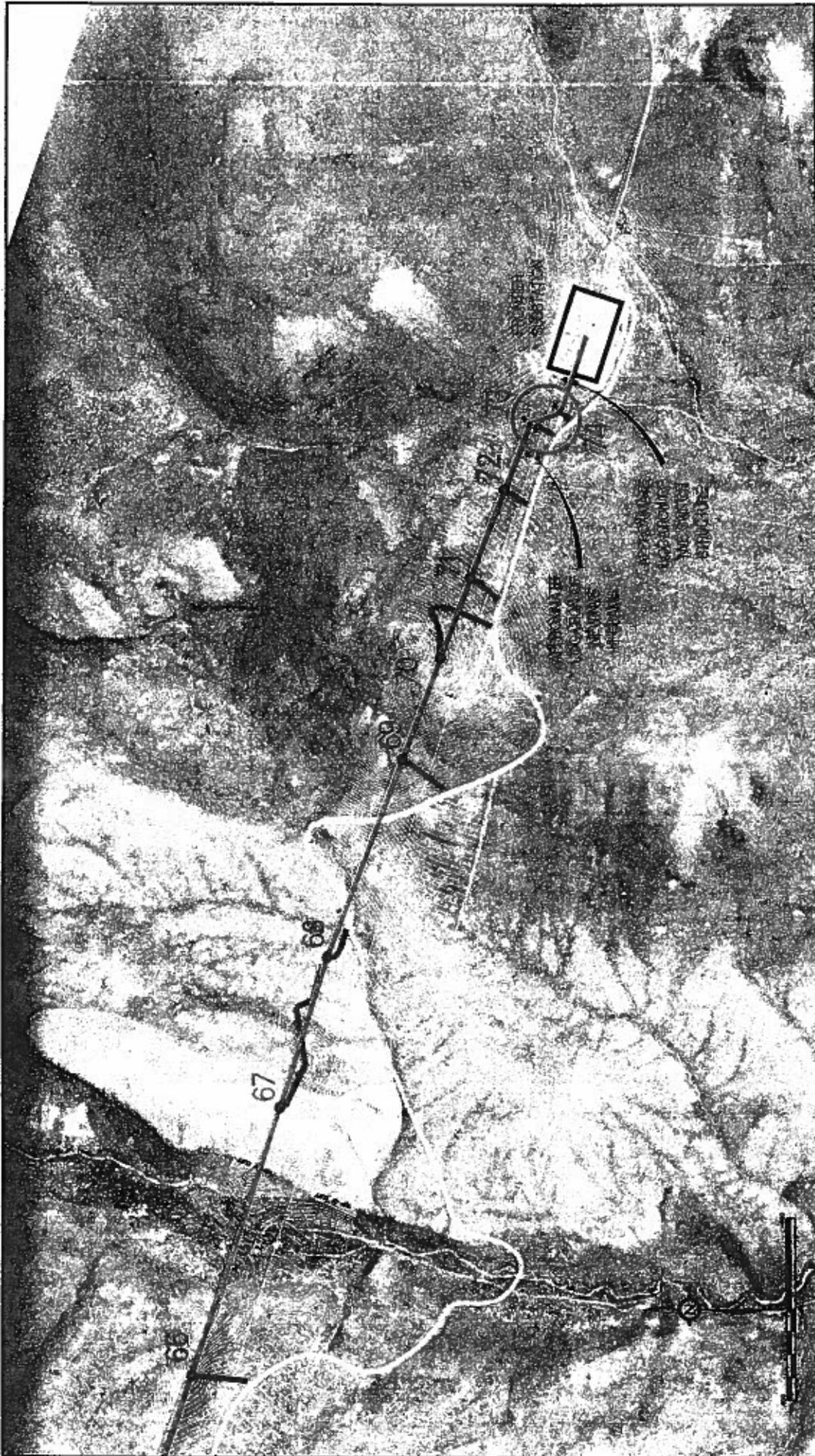
ORMAT



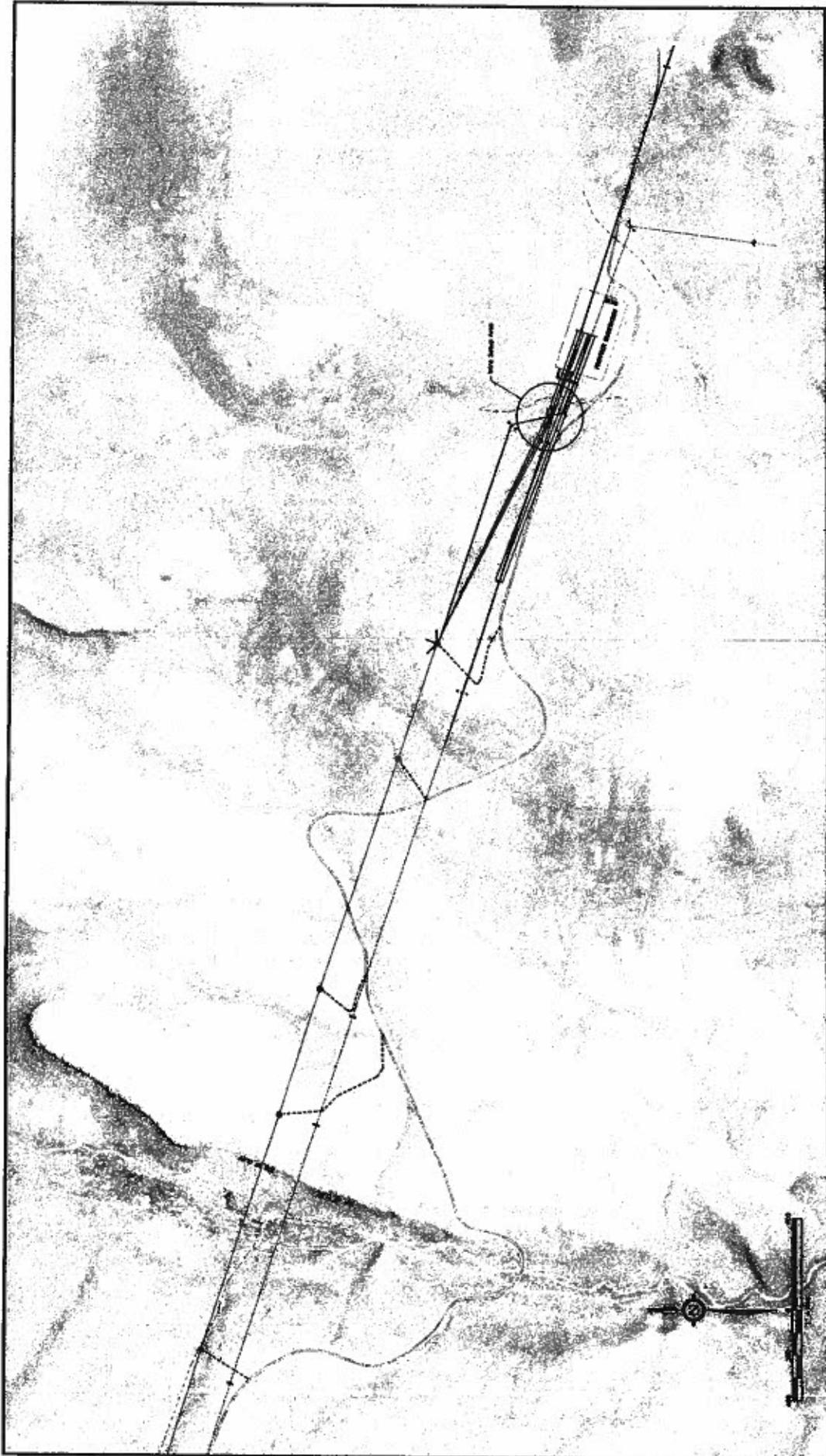
TRANCE
CONSULTING



<p>STRUCTURE ACCESS LEGEND</p> <ul style="list-style-type: none"> OVERLAND TRAVEL ACCESS ROAD NEW ORMAT LINE EXISTING AVE LINE 					
<p>Project No: 18-0521 Drawn by: J.S.S./J.L.D. Checked by: J.S.S./J.L.D.</p>		<p>Scale: 1" = 400'</p> <p>North, South, East, West Projection: UTM Horizontal Datum: NAD83 Vertical Datum: NAVD83</p>		<p>ORMAT NEVADA, INC. MCGINNIS HILLS PROPOSED 230KV POWERLINE EXHIBIT SHOWING PRELIMINARY PROPOSED ACCESS ROAD & WIRE SET-UP REQUIREMENTS LAMER COUNTY NEVADA</p>	
<p>FIGURE 19</p>					



<p>STRUCTURE ACCESS LEGEND</p> <ul style="list-style-type: none"> OVERLAND TRAVEL ACCESS ROAD NEW ORMAT LINE EXISTING LIVE LINE 					
<p>Project No: 18-06-09 Date: 02-22-2018 Drawn by: JMS/SLC Designed by: Checked by:</p>		<p>Scale: 1" = 40' North arrow: Vertical scale: Projection: North datum: Vertical datum:</p>		<p>ORMAT NEVADA, INC. MCGINNIS HILLS PROPOSED 230KV POWERLINE EXHIBIT SHOWING PRELIMINARY PROPOSED ACCESS ROAD & WIRE SET-UP REQUIREMENTS LANDER COUNTY NEVADA</p>	
<p>FIGURE 20</p>					



SHEET
8
OF
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ORMAT NEVADA, INC.
MUGENESS HILLS PROPOSED 33KV POWERLINE
**EXHIBIT SHOWING PRELIMINARY PROPOSED
ACCESS ROAD & WIRE SET-UP REQUIREMENTS**
LANDER COUNTY NEVADA

Project No. _____
Scale _____
Drawn by _____
Checked by _____

DATE: _____
DATE: _____
DATE: _____

Scale: _____
Scale: _____
Scale: _____

STRUCTURE ACCESS LEGEND
 - - - - - OVERLAND TRAVEL
 - - - - - ACCESS ROAD

TRIVAGE CONSULTING

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7 **EXHIBIT G**
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14 **Public Notice and Affidavits of Publication**
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Holland & Hart LLP
777 East William Street, Suite 200
Carson City, Nevada 89701

Legal Number 001424

AFFIDAVIT OF PUBLICATION

Veronica Messmann, Legal Clerk for The Battle Mountain Bugle, a once weekly newspaper published in Battle Mountain, Lander County, Nevada, duly swears that the following

HOLLAND & HART LLP
TRANSMISSION LINE AND FIBER OPTIC LINE

a printed copy of which is affixed,

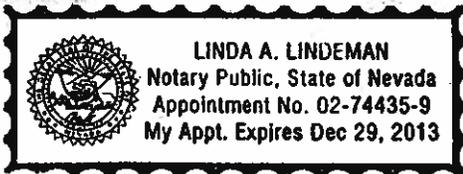
was published 1
commencing 03/23/11
and ending 03/23/11

Veronica Messmann
Veronica Messmann

State of Nevada
County of Humboldt
Signed and sworn to before me by

Veronica Messmann on March 28, 2011

Linda A. Lindeman
Linda A. Lindeman, Notary



Legal No. 1424

BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA
NOTICE OF APPLICATION FOR A PERMIT TO CONSTRUCT
UTILITY
FACILITY UNDER THE UTILITY ENVIRONMENTAL PROTECTION ACT

Ormat Nevada, Inc. ("Ormat") is submitting, pursuant to the Nevada Utility Environmental Protection Act ("UEPA"), its initial application to the Public Utilities Commission of Nevada ("PUCN") for authority and a permit to construct a proposed utility facility, consisting of a 230 kV transmission line and associated facilities, pursuant to Nevada Revised Statutes, Chapter 704, Section 802 to 900 and Nevada Administrative Code, Chapter 703, Sections 425 to 427 ("Application").

The transmission line will be approximately 9 miles long, and is designated as a 230 kV overhead mono-pole transmission line approximately 8-10 miles northeast of the Town of Austin in Lander County, Nevada. The transmission line and dedicated communication system is proposed to connect the new McGinness Hills geothermal plant and terminate at the existing Frontier substation located on public land managed by the Bureau of Land Management ("BLM"), which is owned and operated by Sierra Pacific Power Company ("Sierra"). A substantial portion of the transmission line and communication system are located on public lands managed by the United States Forest Service ("USFS") and a portion is located on public land managed by the BLM. Additionally, Ormat intends to include a fiber optic line along the transmission line. The fiber optic line would be attached at or near the top of each electrical transmission line pole above the electrical conductors. The fiber optic line would be considered an exclusive use communication system and would not be used for commercial purposes.

NOTICE OF THE INITIAL APPLICATION FOR A PERMIT TO CONSTRUCT UNDER UEPA FOR A 230 KV TRANSMISSION LINE CONNECTING TO AN EXISTING SUBSTATION.

Notice is hereby given to persons residing in the municipalities in which any portion of the new transmission line will be located and constructed. Ormat will request a permit to construct a new 230 kV transmission line that will be approximately 9 miles long connecting the McGinness Hills geothermal generating facility to Sierra's Frontier substation, which is approximately 13 miles from Austin, Nevada.

A substantial portion of the transmission line and communication system are located on public land managed by USFS and a portion is located on public lands managed by the BLM. In addition, Ormat intends to include a fiber optic line along the transmission line. The transmission line and related McGinness Hills geothermal generating facility will help Nevada Power Company ("Nevada Power") to meet the State of Nevada's Renewable Portfolio Standard.

The contents of the Application to be submitted to the PUCN for the transmission line and related facilities include:

1. A description and location of the proposed transmission line and related facilities requiring a permit to construct from the PUCN;

2. A general description of the proposed transmission line, including the size and nature of the transmission line and the natural resources that will be used during construction and operation; and

3. A summary of any studies which Ormat anticipates will be made of the environmental impact of the proposed transmission line and related facilities.

A copy of the Application will be available on the PUCN's website following Ormat's filing of the Application. Additional information about the UEPA process and a person's right to participate in the process can be found in Nevada Revised Statutes and Nevada Administrative Code chapters 703 and 704. Protests and other comments about the granting of the UEPA application must be filed with the PUCN as provided by law.

FILED this 21st day of March 2011. Ormat Nevada, Inc.
Published in the Battle Mountain Bugle March 23, 2011.

Holland & Hart LLP
777 East William Street, Suite 200
Carson City, Nevada 89701

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EXHIBIT H

Certificate of Service

Holland & Hart LLP
777 East William Street, Suite 200
Carson City, Nevada 89701

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PROOF OF SERVICE

I hereby certify that on April 21, 2011 pursuant to NRS 704.870.3 and 704.870.4(a), I caused to be served upon the following persons and/or agencies a copy of the Initial Application of Ormat Nevada, Inc. for a Permit to Construct a 230 KV Transmission Line under the Utility Environmental Protection Act (UEPA).

Nevada State Clearinghouse
Nevada Dept. of Administration
209 E. Musser Street, Room 200
Carson City, NV 89701

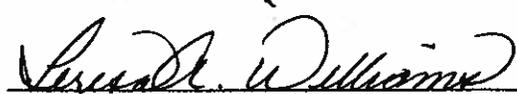
Tammy Cordova, Staff Counsel
Regulatory Operations Staff
Public Utilities Commission of Nevada
9075 West Diablo Drive, Suite 250
Las Vegas, NV 89148

Eric Witkoski, Chief Deputy Attorney General
Office of the Attorney General
Bureau of Consumer Protection
555 E. Washington Avenue, Suite 3900
Las Vegas, NV 89101

Nevada Division of Environmental Protection
901 S. Stewart Street, Suite 4001
Carson City, NV 89701

Sadie Sullivan
Lander County Clerk
315 S. Humboldt St.
Battle Mountain, NV 89820

Nevada Department of Conservation and Nat.
Resources
901 S. Stewart Street, Ste. 5001
Carson City, NV 89701



Signature of person serving

