

# UPPER NORTH FORK FEATHER RIVER PROJECT FERC NO. 2105

## EXHIBIT F

### GENERAL DESIGN DRAWINGS

*18 CFR § 4.51 (g). Exhibit F consists of general design drawings of the principal project works described under paragraph (b) of this section (Exhibit A) and supporting information used to demonstrate that existing project structures are safe and adequate to fulfill their stated functions.*

*(1) The drawings must show all major project structures in sufficient detail to provide a full understanding of the project, including:*

- (i) Plans (overhead view);*
- (ii) Elevations (front view); and*
- (iii) Sections (side view).*

*(2) Supporting design report. The applicant must furnish, at a minimum, the following supporting information to demonstrate that existing structures are safe and adequate to fulfill their stated functions, and must submit such information in a separate report at the time the application is filed. The report must include:*

- (i) A description of the physical condition or state of maintenance and repair of any existing and proposed structures or equipment; and*
- (ii) Information relating to composition and competency of foundations and other structures, gradation of filter and riprap material, design strength and ultimate strength of concrete and steel, stress and stability analysis, spillway rating curves, water levels, and other appropriate data.*

*(3) The applicant must submit two copies of the supporting design report as described in paragraph (g)(2) of this section at the time general design drawings are submitted to the Commission for review.*

**UPPER NORTH FORK FEATHER RIVER PROJECT  
FERC NO. 2105**

**EXHIBIT F**

**GENERAL DESIGN DRAWINGS**

<b><u>Title</u></b>	<b>Description</b>
Exhibit F-1	Almanor Dam
Exhibit F-2	Almanor Spillway and Outlet Tunnel
Exhibit F-3	Butt Valley Intake and Tunnel Sections
Exhibit F-4	Butt Valley Surge Chamber and Penstock Profile
Exhibit F-5	Butt Valley Powerhouse
Exhibit F-6	Butt Valley Dam and Spillway
Exhibit F-7	Butt Valley Dam and Spillway
Exhibit F-8	Caribou Intakes and Tunnel Sections
Exhibit F-9	Caribou Surge Chambers
Exhibit F-10	Caribou Penstock Profiles
Exhibit F-11	Caribou No. 1 Powerhouse
Exhibit F-12	Caribou No. 2 Powerhouse
Exhibit F-13	Belden Forebay Dam and Spillway
Exhibit F-14	Oak Flat Powerhouse
Exhibit F-15	Belden Intake, Tunnel Sections and Siphon
Exhibit F-16	Belden Surge Chamber and Penstock Profile
Exhibit F-17	Belden Powerhouse

**SUPPORTING DESIGN REPORT**

Two copies of the Supporting Design Report will be submitted to the FERC separately with the final Application for New Application.

## NOTICE

### **Statement Pursuant to FERC Docket No. RM02-4**

The Exhibit F drawings and Supporting Design Report have been removed pursuant to the intent of the Federal Energy Regulatory Commission's Docket No. RM02-4, "Rules Regarding Critical Energy Infrastructure Information" (CEII). As FERC explains in its January 16, 2002 "Notice of Inquiry and Guidance for Filings in the Interim" ("January 16 NOI"), under this docket FERC is now "considering whether to revise its rules to address public availability of [CEII]", due to "the need to protect the safety and well-being of American citizens from attacks on our nation's energy infrastructure ... [that may arise from] easy public access [to CEII]."

FERC has not yet issued revised rules pursuant to Docket No. RM02-4. The licensee will comply with the revised rules with respect to the removed documents, when such revised rules are issued by FERC.

In the interim, the removed documents may be viewed by contacting the licensee's Project Manager, Tom Jereb at (415) 973-9320. Persons wishing to view or copy the removed documents may be asked to first sign a non-disclosure agreement restricting their use of the documents.



**UPPER NORTH FORK FEATHER RIVER PROJECT  
FERC NO. 2105**

**EXHIBIT G  
MAPS OF THE PROJECT**

**PACIFIC GAS AND ELECTRIC COMPANY**

**UPPER NORTH FORK FEATHER RIVER PROJECT  
FERC NO. 2105**

**EXHIBIT G**

**MAPS OF THE PROJECT**

*18 CFR § 4.51 (h). Exhibit G is a map of the project. The map must conform to the specifications of § 4.39. If more than one sheet is used, the sheets must be numbered consecutively and each sheet must bear a small inset sketch showing the entire project (or development) and indicating the portion depicted on the sheet.*

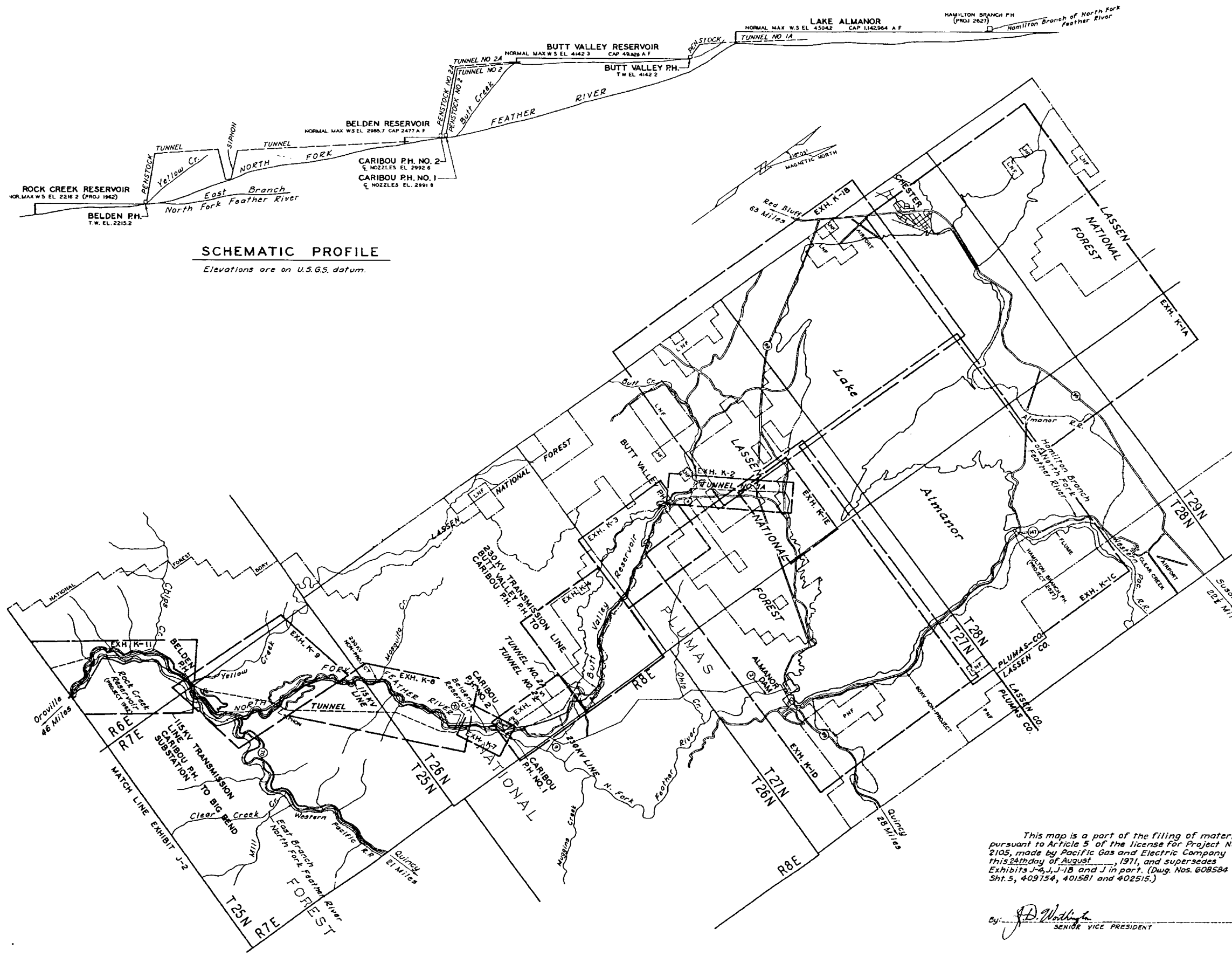
<b><u>MAP</u></b>	<b><u>TITLE</u></b>
Exhibit G-1	General Map
Exhibit G-2	General Map
Exhibit G-3	Lake Almanor
Exhibit G-4	Lake Almanor
Exhibit G-5	Lake Almanor
Exhibit G-6	Lake Almanor
Exhibit G-7	Project Acquisition Units in Prattville
Exhibit G-8	General Map Project Boundary Lake Almanor
Exhibit G-9	General Map Project Boundary Lake Almanor
Exhibit G-10	General Map Project Boundary Lake Almanor
Exhibit G-11	General Map Project Boundary Lake Almanor
Exhibit G-12	General Map Project Boundary Lake Almanor
Exhibit G-13	General Map Project Boundary Lake Almanor
Exhibit G-14	General Map Project Boundary Lake Almanor
Exhibit G-15	General Map Project Boundary Lake Almanor
Exhibit G-16	General Map Project Boundary Lake Almanor
Exhibit G-17	General Map Project Boundary Lake Almanor
Exhibit G-18	General Map Project Boundary Lake Almanor
Exhibit G-19	General Map Project Boundary Lake Almanor
Exhibit G-20	General Map Project Boundary Lake Almanor
Exhibit G-21	General Map Project Boundary Lake Almanor
Exhibit G-22	General Map Project Boundary Lake Almanor
Exhibit G-23	General Map Project Boundary Lake Almanor
Exhibit G-24	General Map Project Boundary Lake Almanor
Exhibit G-25	General Map Project Boundary Lake Almanor
Exhibit G-26	General Map Project Boundary Lake Almanor
Exhibit G-27	General Map Project Boundary Lake Almanor

**UPPER NORTH FORK FEATHER RIVER PROJECT  
FERC NO. 2105**

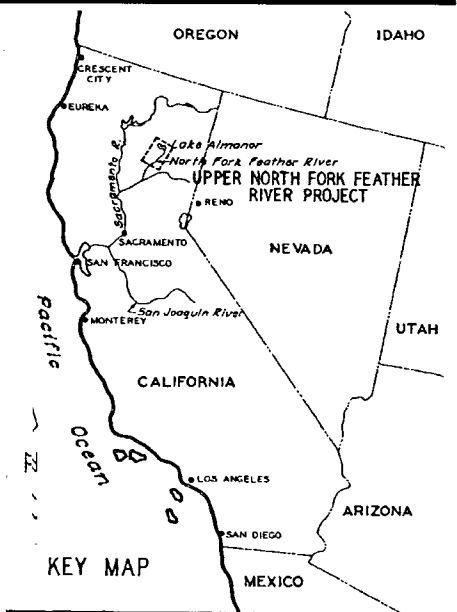
**EXHIBIT G**

**MAPS OF THE PROJECT**

<u>MAP</u>	<u>TITLE</u>
Exhibit G-28	General Map Project Boundary Lake Almanor
Exhibit G-29	General Map Project Boundary Lake Almanor
Exhibit G-30	Plan and Profile of Butt Valley Tunnel
Exhibit G-31	Upper Part of Butt Valley Reservoir & Transmission Line
Exhibit G-32	Lower Part of Butt Valley Reservoir and Transmission Line
Exhibit G-33	Plan of Caribou Tunnels, Road and Transmission Line
Exhibit G-34	Profile of Caribou Tunnels
Exhibit G-35	Belden Reservoir and Oak Flat Powerhouse
Exhibit G-36	Plan of Belden Tunnel and Transmission Line
Exhibit G-37	Plan of Belden Tunnel, Roads and Transmission Line
Exhibit G-38	Plan of Belden Tunnel
Exhibit G-39	Transmission Line
Exhibit G-40	Transmission Line
Exhibit G-41	Transmission Line



**SCHEMATIC PROFILE**  
Elevations are on U.S.G.S. datum.



U.S.G.S. BM. 7B.  
Brass cap on rock outcrop. North side old Highway,  
overlooking lake. 1.8 miles northwest of Almanor Dam.  
El. 4530.051 U.S.G.S.

M.D.B. & M.

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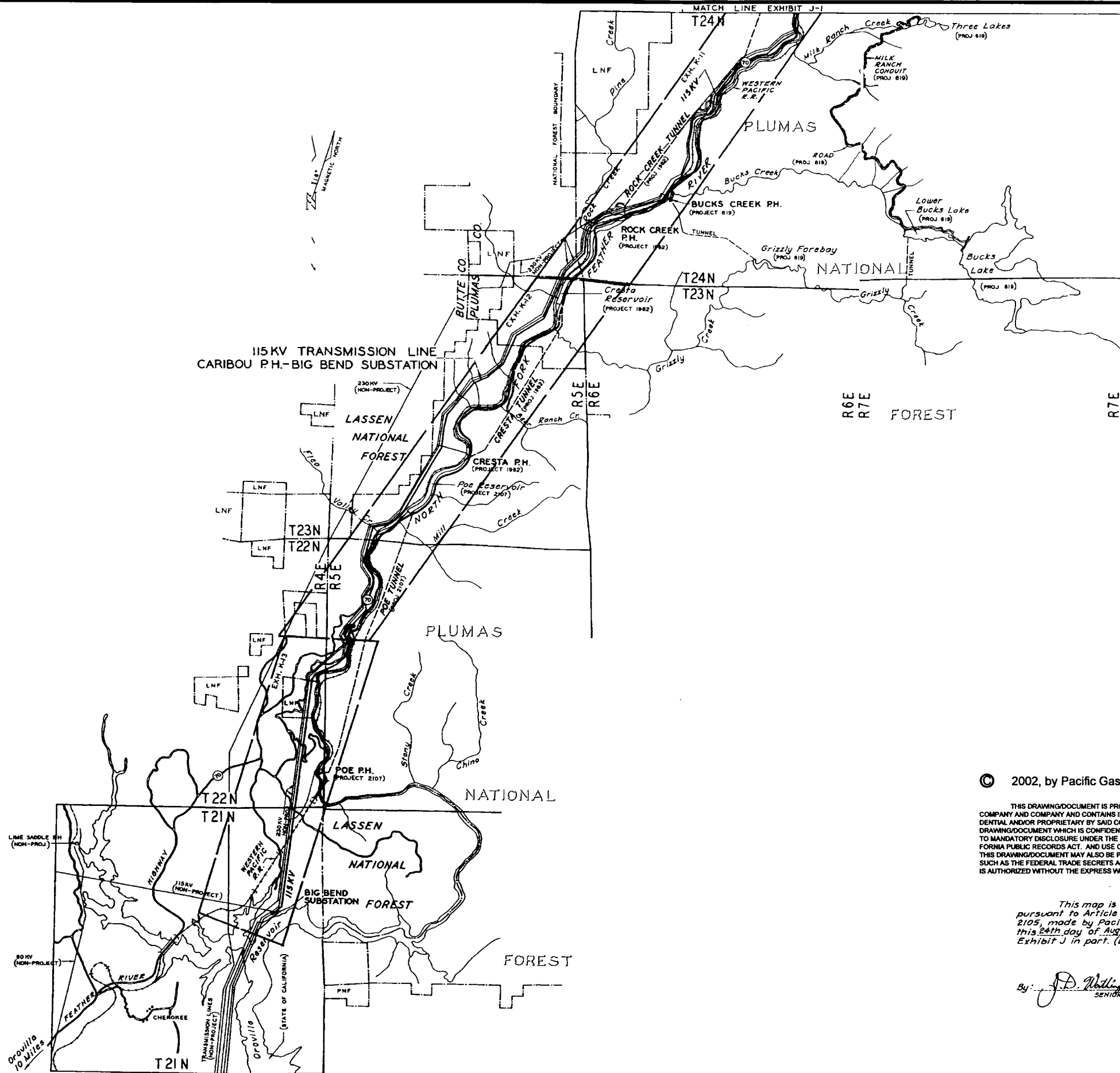
ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-1**  
**GENERAL MAP**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**

This map is a part of the filing of material pursuant to Article 5 of the license for Project No. 2105, made by Pacific Gas and Electric Company this 24th day of August, 1971, and supersedes Exhibits J-4, J-11B and J in part. (Dwg. Nos. 608584 Sht. 5, 409754, 401581 and 402515.)

By: *J.D. Wadley*  
SENIOR VICE PRESIDENT





M.D.B.G.M.

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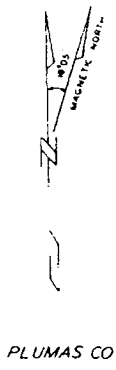
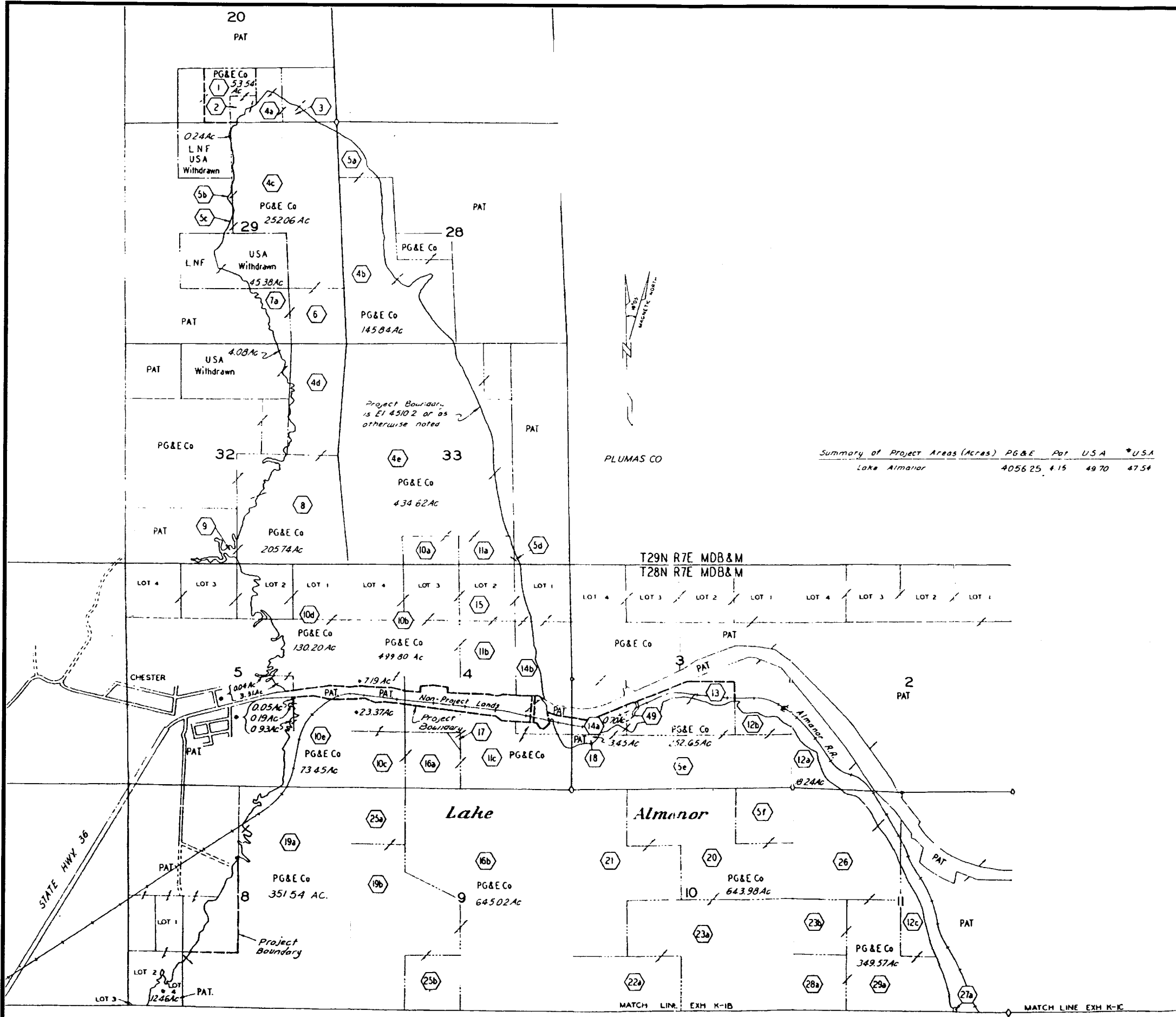
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ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-2**  
**GENERAL MAP**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**

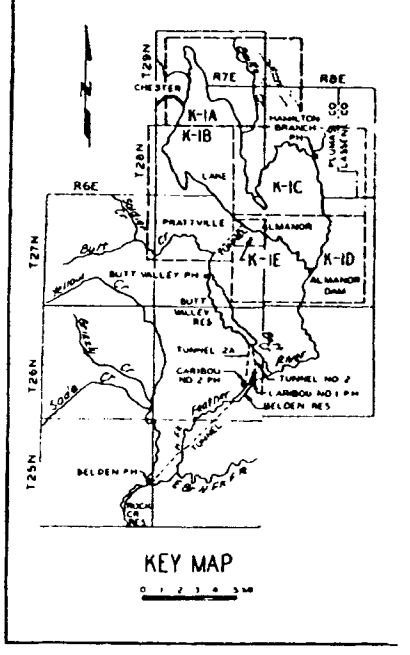
*This map is a part of the filing of material pursuant to Article 5 of the license for Project No. 2105, made by Pacific Gas and Electric Company this 24th day of August, 1971, and supersedes Exhibit J in part. (Dwg. No. 402515).*

By: *J.D. Williams*  
 SENIOR VICE PRESIDENT



Summary of Project Areas (Acres) PG&E Pat USA \*USA

Lake Almanor	4056.25	4.15	49.70	47.54
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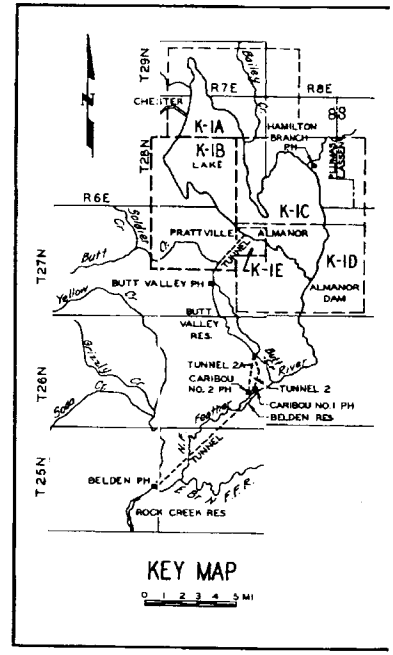
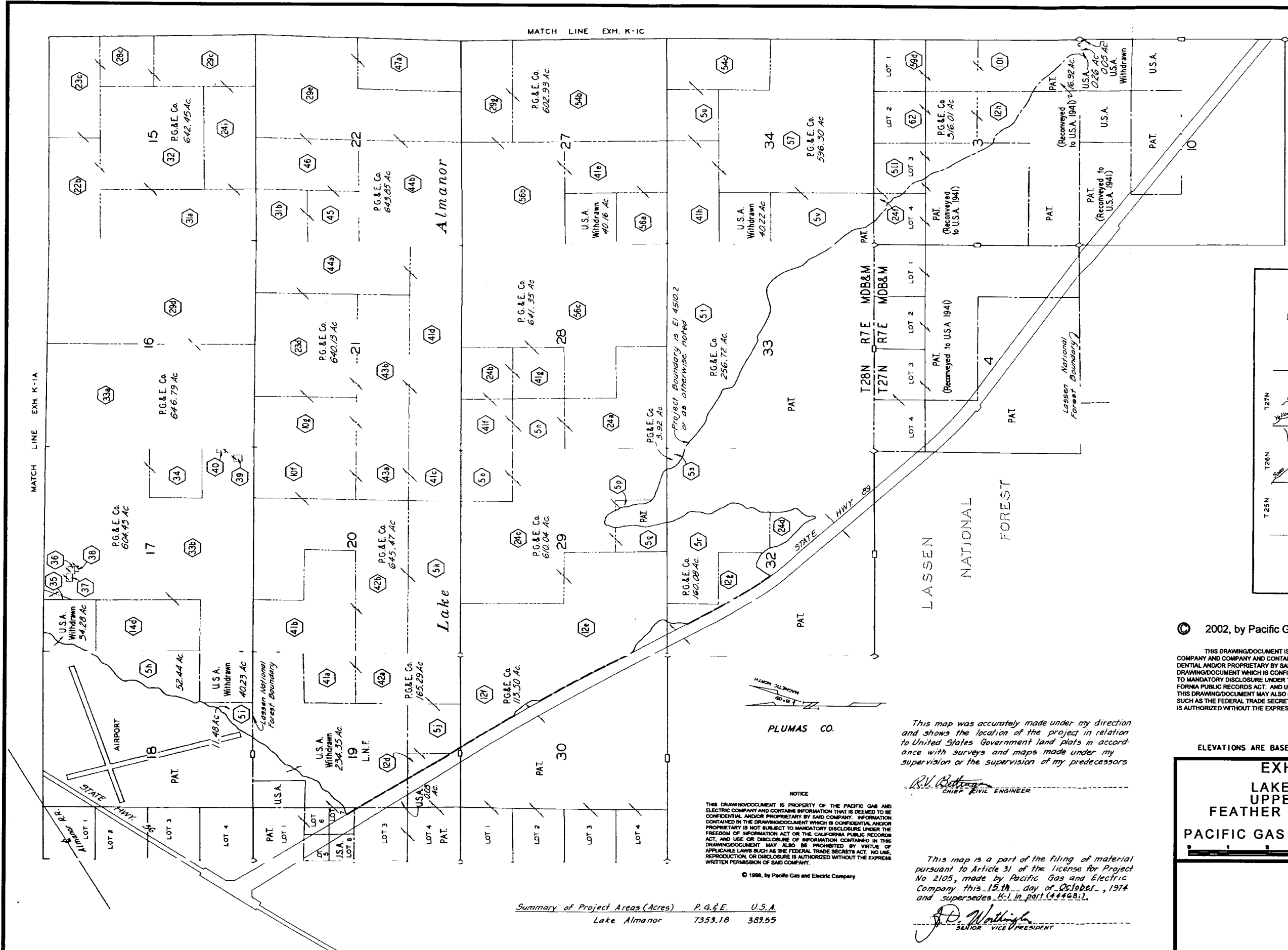
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ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-3**  
**LAKE ALMANOR**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**

MATCH LINE EXH. K-1C



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ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-4**  
**LAKE ALMANOR**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**

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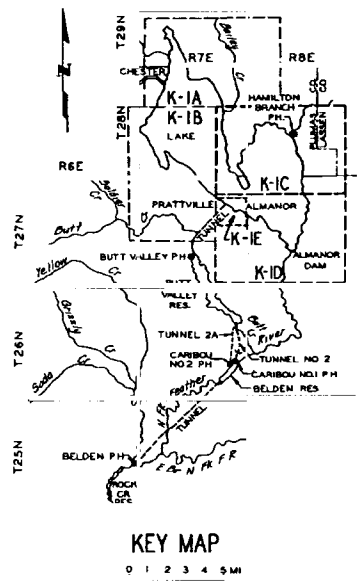
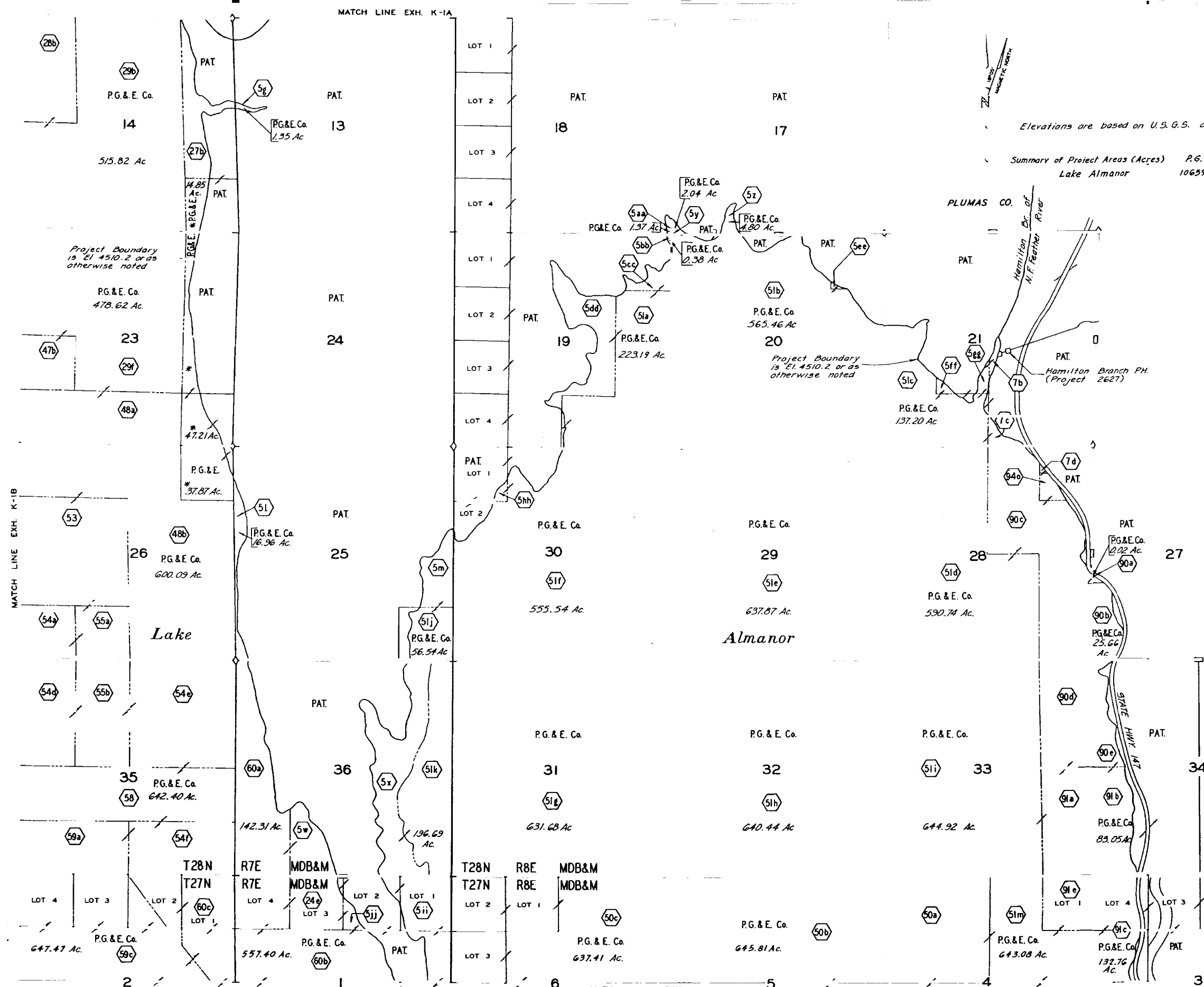
This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors

*R.V. Bostrom*  
 CHIEF CIVIL ENGINEER

This map is a part of the filing of material pursuant to Article 31 of the license for Project No 2105, made by Pacific Gas and Electric Company this 15th day of October, 1974 and supersedes K-1 in part (44681).

*J.D. Walling*  
 SENIOR VICE PRESIDENT

Summary of Project Areas (Acres)	P.G.&E.	U.S.A.
Lake Almanor	7353.18	389.55



Elevations are based on U.S.G.S. datum.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R.V. Rothman*  
CHIEF CIVIL ENGINEER

This map is a part of the filing of material pursuant to Article 31 of the license for Project No. 2105, made by Pacific Gas and Electric Company this 15<sup>th</sup> day of October, 1974, and supersedes K-1 in part (11/11/81).

*J.P. Worthington*  
SENIOR VICE PRESIDENT

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ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-5**

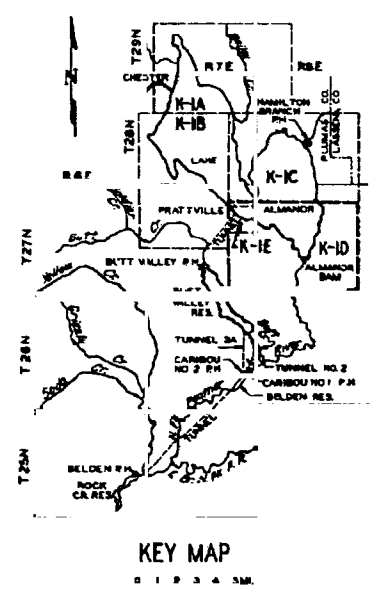
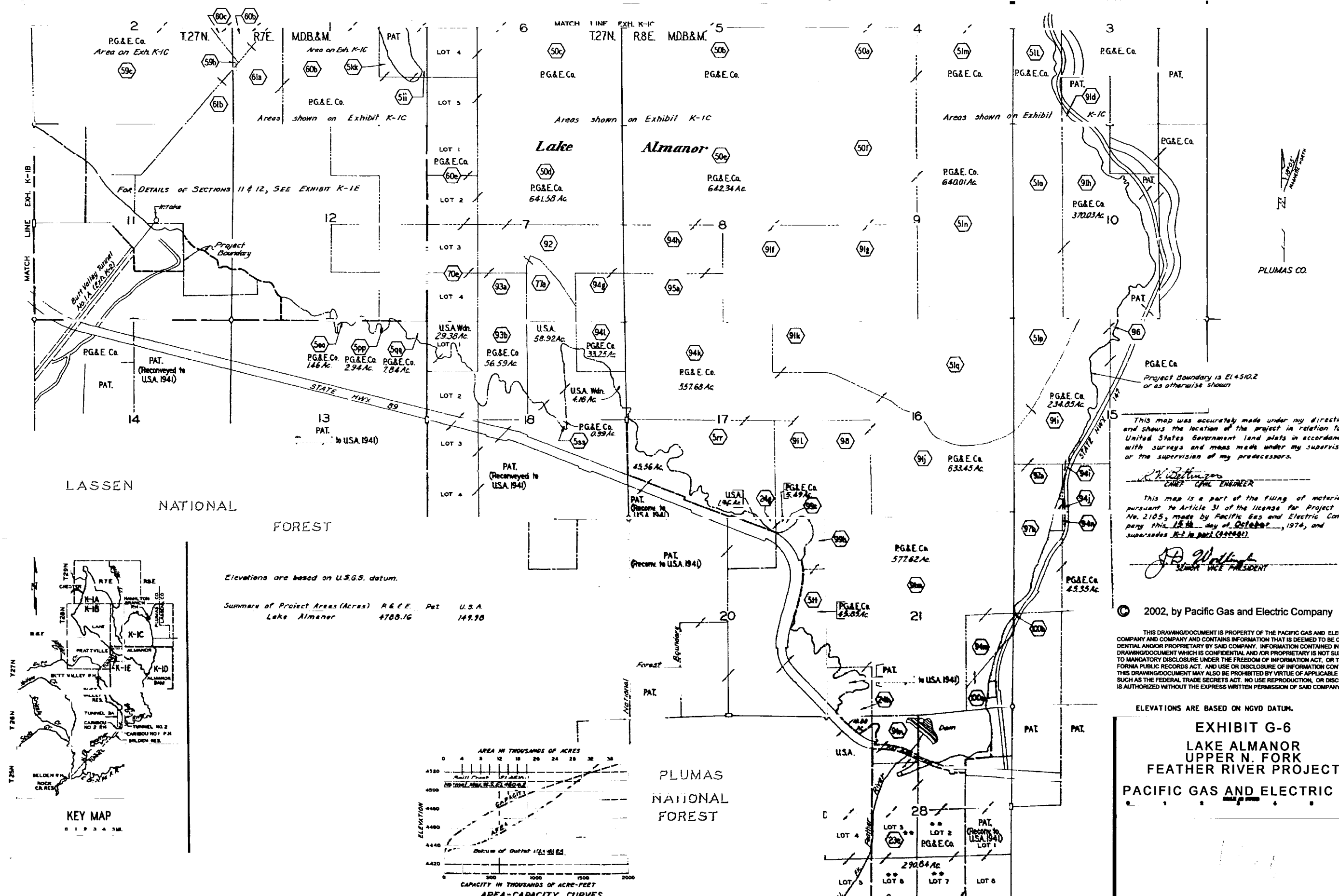
**LAKE ALMANOR**

**UPPER N. FORK**

**FEATHER RIVER PROJECT**

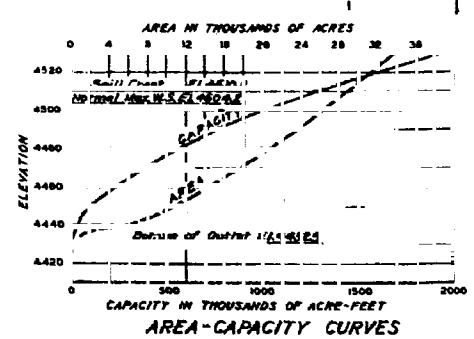
**PACIFIC GAS AND ELECTRIC CO.**

SCALE OF FEET



Elevations are based on U.S.G.S. datum.

Summary of Project Areas (Acres)	R & E	Pat	U.S.A.
Lake Almanor	4788.16		149.70



This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and meas made under my supervision or the supervision of my predecessors.

*R. V. [Signature]*  
 CHIEF CIVIL ENGINEER

This map is a part of the filing of material pursuant to Article 31 of the license for Project No. 2105, made by Pacific Gas and Electric Company this 15th day of October, 1974, and supersedes R-1 to Part (399682).

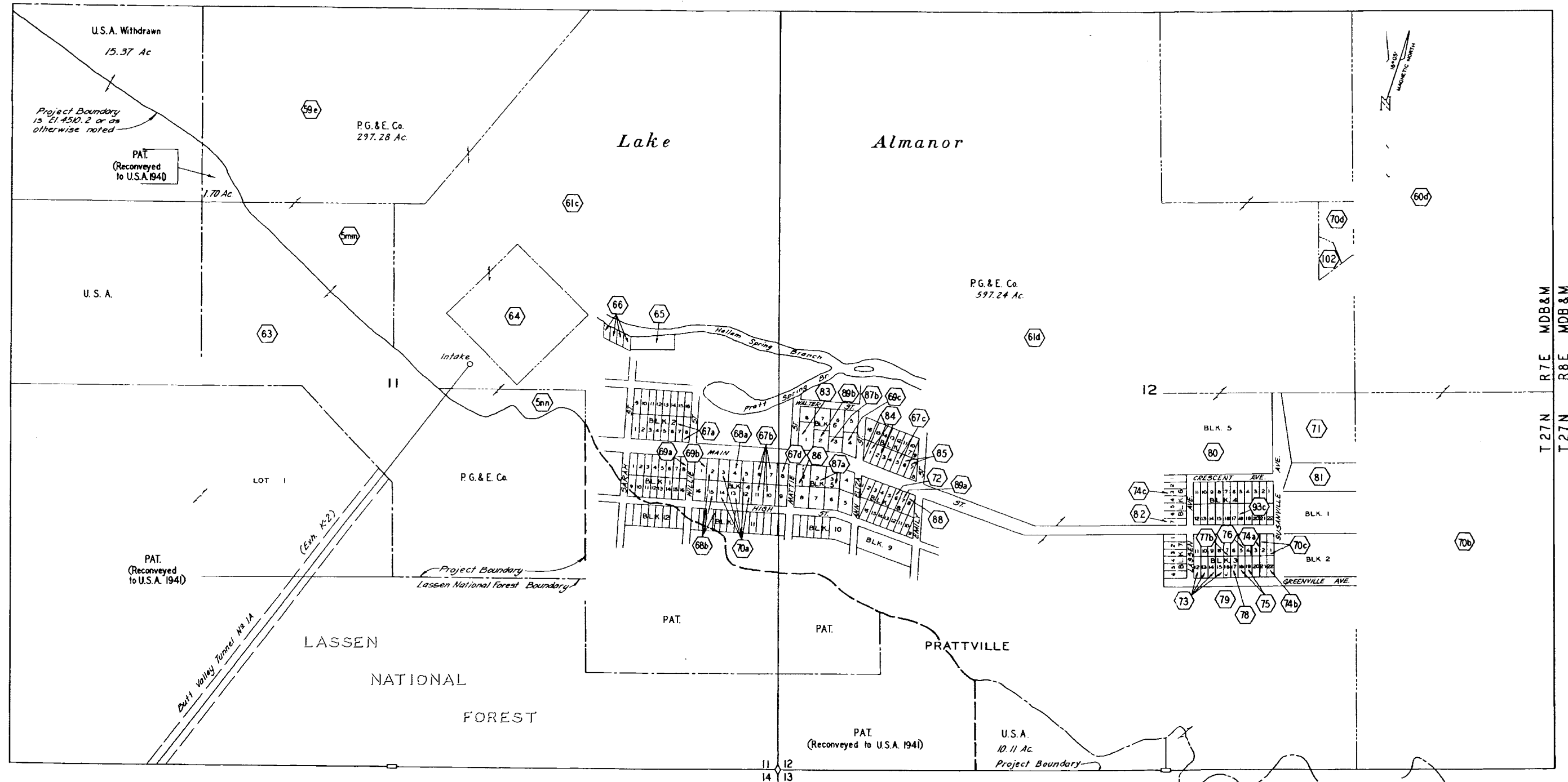
*J. B. [Signature]*  
 SENIOR VICE PRESIDENT

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ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-6**  
**LAKE ALMANOR**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**



T 27N R 7E MDB & M  
T 27N R 8E MDB & M

① Parcel number

Summary of Project Areas (Acres)	P.G.&E.	U.S.A.
Lake Almanor	894.52	27.18

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This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

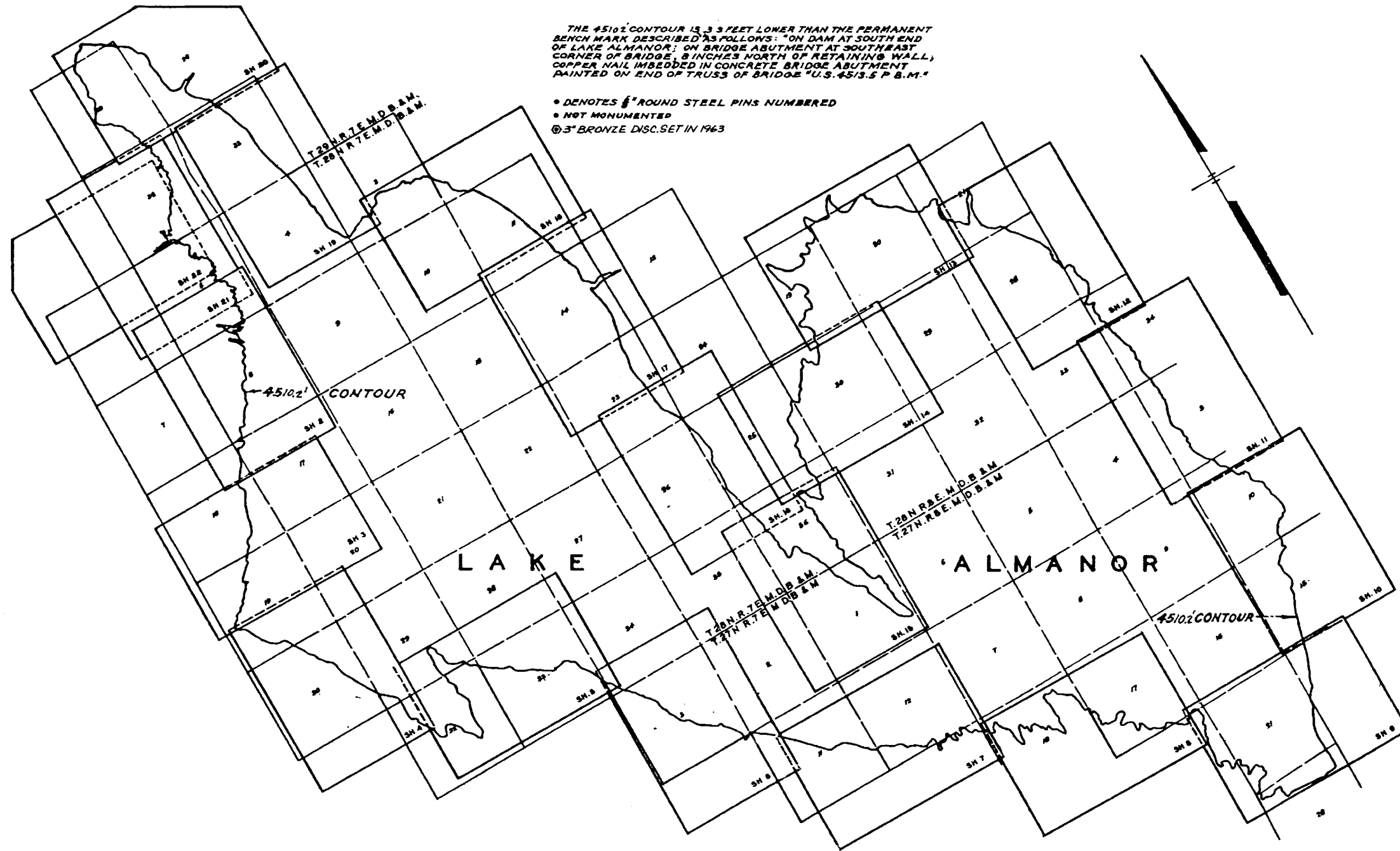
*R.V. Bittenger*  
CHIEF CIVIL ENGINEER

This map is a part of the filing of material pursuant to Article 31 of the license for Project No. 2105, made by Pacific Gas and Electric Company this 15th day of October, 1974, and supersedes K-L in part (444681).

By *J.P. Worthington*  
SENIOR VICE PRESIDENT

ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-7**  
**PROJECT ACQUISITION UNITS**  
**IN PRATTVILLE**  
**UPPER N. FORK**  
**FEATHER RIVER PROJECT**  
**PACIFIC GAS AND ELECTRIC CO.**



THE 4510.2' CONTOUR IS 3.3 FEET LOWER THAN THE PERMANENT BENCH MARK DESCRIBED AS FOLLOWS: ON DAM AT SOUTH END OF LAKE ALMANOR; ON BRIDGE ABUTMENT AT SOUTHEAST CORNER OF BRIDGE; 8 INCHES NORTH OF RETAINING WALL, COPPER NAIL IMBEDDED IN CONCRETE BRIDGE ABUTMENT PAINTED ON END OF TRUSS OF BRIDGE "U.S. 45/3.5 P.B.M."

- DENOTES 1/2" ROUND STEEL PINS NUMBERED
- NOT MONUMENTED
- ⊙ 3" BRONZE DISC. SET IN 1963

Elevations are on U.S.G.S. datum.

Revised per F.R.C. letter dated October 12, 1973

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*A.V. Bettinger*  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-8  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.**



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T.28N.R.7E.M.D.B.&M.

LAKE

ALMANOR

CHESTER M.L. RAILROAD

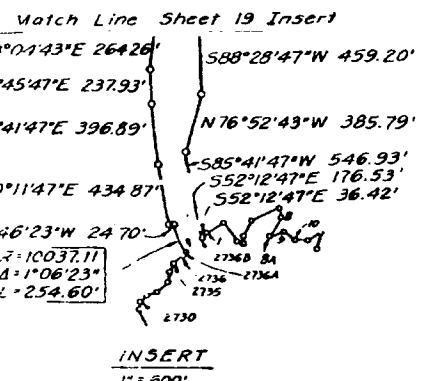
CHESTER

North Park Feather River

Revised Project Boundary

Sheet 21  
Match Line

STATE HIGHWAY



POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
1 TO 2	S 27° 28' 11" W	122.81	2 TO 3	S 27° 28' 11" W	122.81	3 TO 4	S 27° 28' 11" W	122.81
2 TO 3	S 27° 28' 11" W	122.81	3 TO 4	S 27° 28' 11" W	122.81	4 TO 5	S 27° 28' 11" W	122.81
3 TO 4	S 27° 28' 11" W	122.81	4 TO 5	S 27° 28' 11" W	122.81	5 TO 6	S 27° 28' 11" W	122.81
4 TO 5	S 27° 28' 11" W	122.81	5 TO 6	S 27° 28' 11" W	122.81	6 TO 7	S 27° 28' 11" W	122.81
5 TO 6	S 27° 28' 11" W	122.81	6 TO 7	S 27° 28' 11" W	122.81	7 TO 8	S 27° 28' 11" W	122.81
6 TO 7	S 27° 28' 11" W	122.81	7 TO 8	S 27° 28' 11" W	122.81	8 TO 9	S 27° 28' 11" W	122.81
7 TO 8	S 27° 28' 11" W	122.81	8 TO 9	S 27° 28' 11" W	122.81	9 TO 10	S 27° 28' 11" W	122.81
8 TO 9	S 27° 28' 11" W	122.81	9 TO 10	S 27° 28' 11" W	122.81	10 TO 11	S 27° 28' 11" W	122.81
9 TO 10	S 27° 28' 11" W	122.81	10 TO 11	S 27° 28' 11" W	122.81	11 TO 12	S 27° 28' 11" W	122.81
10 TO 11	S 27° 28' 11" W	122.81	11 TO 12	S 27° 28' 11" W	122.81	12 TO 13	S 27° 28' 11" W	122.81
11 TO 12	S 27° 28' 11" W	122.81	12 TO 13	S 27° 28' 11" W	122.81	13 TO 14	S 27° 28' 11" W	122.81
12 TO 13	S 27° 28' 11" W	122.81	13 TO 14	S 27° 28' 11" W	122.81	14 TO 15	S 27° 28' 11" W	122.81
13 TO 14	S 27° 28' 11" W	122.81	14 TO 15	S 27° 28' 11" W	122.81	15 TO 16	S 27° 28' 11" W	122.81
14 TO 15	S 27° 28' 11" W	122.81	15 TO 16	S 27° 28' 11" W	122.81	16 TO 17	S 27° 28' 11" W	122.81
15 TO 16	S 27° 28' 11" W	122.81	16 TO 17	S 27° 28' 11" W	122.81	17 TO 18	S 27° 28' 11" W	122.81
16 TO 17	S 27° 28' 11" W	122.81	17 TO 18	S 27° 28' 11" W	122.81	18 TO 19	S 27° 28' 11" W	122.81
17 TO 18	S 27° 28' 11" W	122.81	18 TO 19	S 27° 28' 11" W	122.81	19 TO 20	S 27° 28' 11" W	122.81
18 TO 19	S 27° 28' 11" W	122.81	19 TO 20	S 27° 28' 11" W	122.81	20 TO 21	S 27° 28' 11" W	122.81
19 TO 20	S 27° 28' 11" W	122.81	20 TO 21	S 27° 28' 11" W	122.81	21 TO 22	S 27° 28' 11" W	122.81
20 TO 21	S 27° 28' 11" W	122.81	21 TO 22	S 27° 28' 11" W	122.81	22 TO 23	S 27° 28' 11" W	122.81
21 TO 22	S 27° 28' 11" W	122.81	22 TO 23	S 27° 28' 11" W	122.81	23 TO 24	S 27° 28' 11" W	122.81
22 TO 23	S 27° 28' 11" W	122.81	23 TO 24	S 27° 28' 11" W	122.81	24 TO 25	S 27° 28' 11" W	122.81
23 TO 24	S 27° 28' 11" W	122.81	24 TO 25	S 27° 28' 11" W	122.81	25 TO 26	S 27° 28' 11" W	122.81
24 TO 25	S 27° 28' 11" W	122.81	25 TO 26	S 27° 28' 11" W	122.81	26 TO 27	S 27° 28' 11" W	122.81
25 TO 26	S 27° 28' 11" W	122.81	26 TO 27	S 27° 28' 11" W	122.81	27 TO 28	S 27° 28' 11" W	122.81
26 TO 27	S 27° 28' 11" W	122.81	27 TO 28	S 27° 28' 11" W	122.81	28 TO 29	S 27° 28' 11" W	122.81
27 TO 28	S 27° 28' 11" W	122.81	28 TO 29	S 27° 28' 11" W	122.81	29 TO 30	S 27° 28' 11" W	122.81
28 TO 29	S 27° 28' 11" W	122.81	29 TO 30	S 27° 28' 11" W	122.81	30 TO 31	S 27° 28' 11" W	122.81
29 TO 30	S 27° 28' 11" W	122.81	30 TO 31	S 27° 28' 11" W	122.81	31 TO 32	S 27° 28' 11" W	122.81
30 TO 31	S 27° 28' 11" W	122.81	31 TO 32	S 27° 28' 11" W	122.81	32 TO 33	S 27° 28' 11" W	122.81
31 TO 32	S 27° 28' 11" W	122.81	32 TO 33	S 27° 28' 11" W	122.81	33 TO 34	S 27° 28' 11" W	122.81
32 TO 33	S 27° 28' 11" W	122.81	33 TO 34	S 27° 28' 11" W	122.81	34 TO 35	S 27° 28' 11" W	122.81
33 TO 34	S 27° 28' 11" W	122.81	34 TO 35	S 27° 28' 11" W	122.81	35 TO 36	S 27° 28' 11" W	122.81
34 TO 35	S 27° 28' 11" W	122.81	35 TO 36	S 27° 28' 11" W	122.81	36 TO 37	S 27° 28' 11" W	122.81
35 TO 36	S 27° 28' 11" W	122.81	36 TO 37	S 27° 28' 11" W	122.81	37 TO 38	S 27° 28' 11" W	122.81
36 TO 37	S 27° 28' 11" W	122.81	37 TO 38	S 27° 28' 11" W	122.81	38 TO 39	S 27° 28' 11" W	122.81
37 TO 38	S 27° 28' 11" W	122.81	38 TO 39	S 27° 28' 11" W	122.81	39 TO 40	S 27° 28' 11" W	122.81
38 TO 39	S 27° 28' 11" W	122.81	39 TO 40	S 27° 28' 11" W	122.81	40 TO 41	S 27° 28' 11" W	122.81
39 TO 40	S 27° 28' 11" W	122.81	40 TO 41	S 27° 28' 11" W	122.81	41 TO 42	S 27° 28' 11" W	122.81
40 TO 41	S 27° 28' 11" W	122.81	41 TO 42	S 27° 28' 11" W	122.81	42 TO 43	S 27° 28' 11" W	122.81
41 TO 42	S 27° 28' 11" W	122.81	42 TO 43	S 27° 28' 11" W	122.81	43 TO 44	S 27° 28' 11" W	122.81
42 TO 43	S 27° 28' 11" W	122.81	43 TO 44	S 27° 28' 11" W	122.81	44 TO 45	S 27° 28' 11" W	122.81
43 TO 44	S 27° 28' 11" W	122.81	44 TO 45	S 27° 28' 11" W	122.81	45 TO 46	S 27° 28' 11" W	122.81
44 TO 45	S 27° 28' 11" W	122.81	45 TO 46	S 27° 28' 11" W	122.81	46 TO 47	S 27° 28' 11" W	122.81
45 TO 46	S 27° 28' 11" W	122.81	46 TO 47	S 27° 28' 11" W	122.81	47 TO 48	S 27° 28' 11" W	122.81
46 TO 47	S 27° 28' 11" W	122.81	47 TO 48	S 27° 28' 11" W	122.81	48 TO 49	S 27° 28' 11" W	122.81
47 TO 48	S 27° 28' 11" W	122.81	48 TO 49	S 27° 28' 11" W	122.81	49 TO 50	S 27° 28' 11" W	122.81
48 TO 49	S 27° 28' 11" W	122.81	49 TO 50	S 27° 28' 11" W	122.81			

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002773.

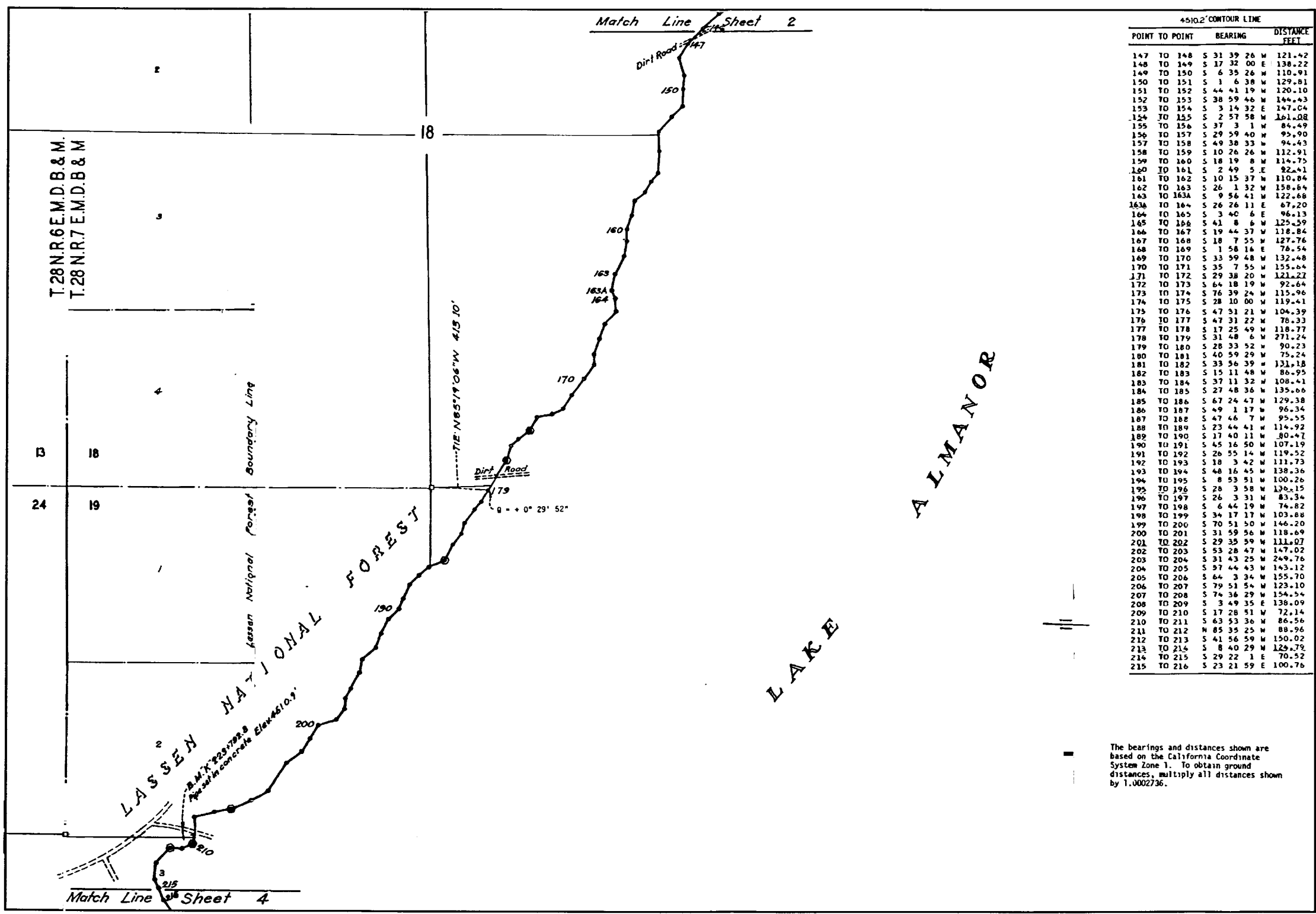
ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-9  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

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4510.2' CONTOUR LINE		
POINT TO POINT	BEARING	DISTANCE FEET
147 TO 148	S 31 39 26 W	121.42
148 TO 149	S 17 32 00 E	138.22
149 TO 150	S 6 35 26 W	110.91
150 TO 151	S 1 6 38 W	129.81
151 TO 152	S 44 41 19 W	120.10
152 TO 153	S 38 59 46 W	144.43
153 TO 154	S 3 14 32 E	147.04
154 TO 155	S 2 57 58 W	161.08
155 TO 156	S 37 3 1 W	84.49
156 TO 157	S 29 59 40 W	92.90
157 TO 158	S 49 38 33 W	94.43
158 TO 159	S 10 26 26 W	112.91
159 TO 160	S 18 19 8 W	114.75
160 TO 161	S 2 49 5 E	82.41
161 TO 162	S 10 15 37 W	110.84
162 TO 163	S 26 1 32 W	158.64
163 TO 163A	S 9 56 41 W	122.68
163A TO 164	S 26 26 11 E	87.20
164 TO 165	S 3 40 6 E	96.13
165 TO 166	S 41 8 6 W	122.59
166 TO 167	S 19 44 37 W	118.84
167 TO 168	S 18 7 55 W	127.76
168 TO 169	S 1 58 16 E	78.54
169 TO 170	S 33 59 48 W	132.48
170 TO 171	S 35 7 55 W	155.64
171 TO 172	S 29 38 20 W	121.22
172 TO 173	S 64 18 19 W	92.64
173 TO 174	S 76 39 24 W	115.96
174 TO 175	S 28 10 00 W	119.41
175 TO 176	S 47 51 21 W	104.39
176 TO 177	S 47 31 22 W	78.33
177 TO 178	S 17 25 49 W	118.77
178 TO 179	S 31 48 6 W	271.24
179 TO 180	S 28 33 52 W	90.23
180 TO 181	S 40 59 29 W	75.24
181 TO 182	S 33 56 39 W	131.18
182 TO 183	S 15 11 48 W	86.95
183 TO 184	S 37 11 32 W	108.41
184 TO 185	S 27 48 36 W	135.66
185 TO 186	S 67 24 47 W	129.38
186 TO 187	S 49 1 17 W	96.34
187 TO 188	S 47 46 7 W	95.55
188 TO 189	S 23 44 41 W	114.92
189 TO 190	S 17 40 11 W	80.47
190 TO 191	S 45 16 50 W	107.19
191 TO 192	S 26 55 14 W	119.52
192 TO 193	S 18 3 42 W	111.73
193 TO 194	S 48 16 45 W	130.36
194 TO 195	S 8 53 51 W	100.26
195 TO 196	S 28 3 58 W	130.15
196 TO 197	S 26 3 31 W	83.34
197 TO 198	S 6 44 19 W	74.82
198 TO 199	S 34 17 17 W	103.88
199 TO 200	S 70 51 50 W	146.20
200 TO 201	S 31 59 56 W	118.69
201 TO 202	S 29 35 39 W	111.07
202 TO 203	S 53 28 47 W	147.02
203 TO 204	S 31 43 25 W	249.76
204 TO 205	S 57 44 43 W	143.12
205 TO 206	S 64 3 34 W	155.70
206 TO 207	S 79 51 54 W	123.10
207 TO 208	S 74 36 29 W	154.54
208 TO 209	S 3 49 35 E	138.09
209 TO 210	S 17 28 51 W	72.14
210 TO 211	S 63 53 36 W	86.56
211 TO 212	N 85 35 25 W	88.96
212 TO 213	S 41 56 59 W	150.02
213 TO 214	S 8 40 29 W	126.79
214 TO 215	S 29 22 1 E	70.52
215 TO 216	S 23 21 59 E	100.76

ALMANOR LAKE

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002736.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R. V. Bettinger*  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-10  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.



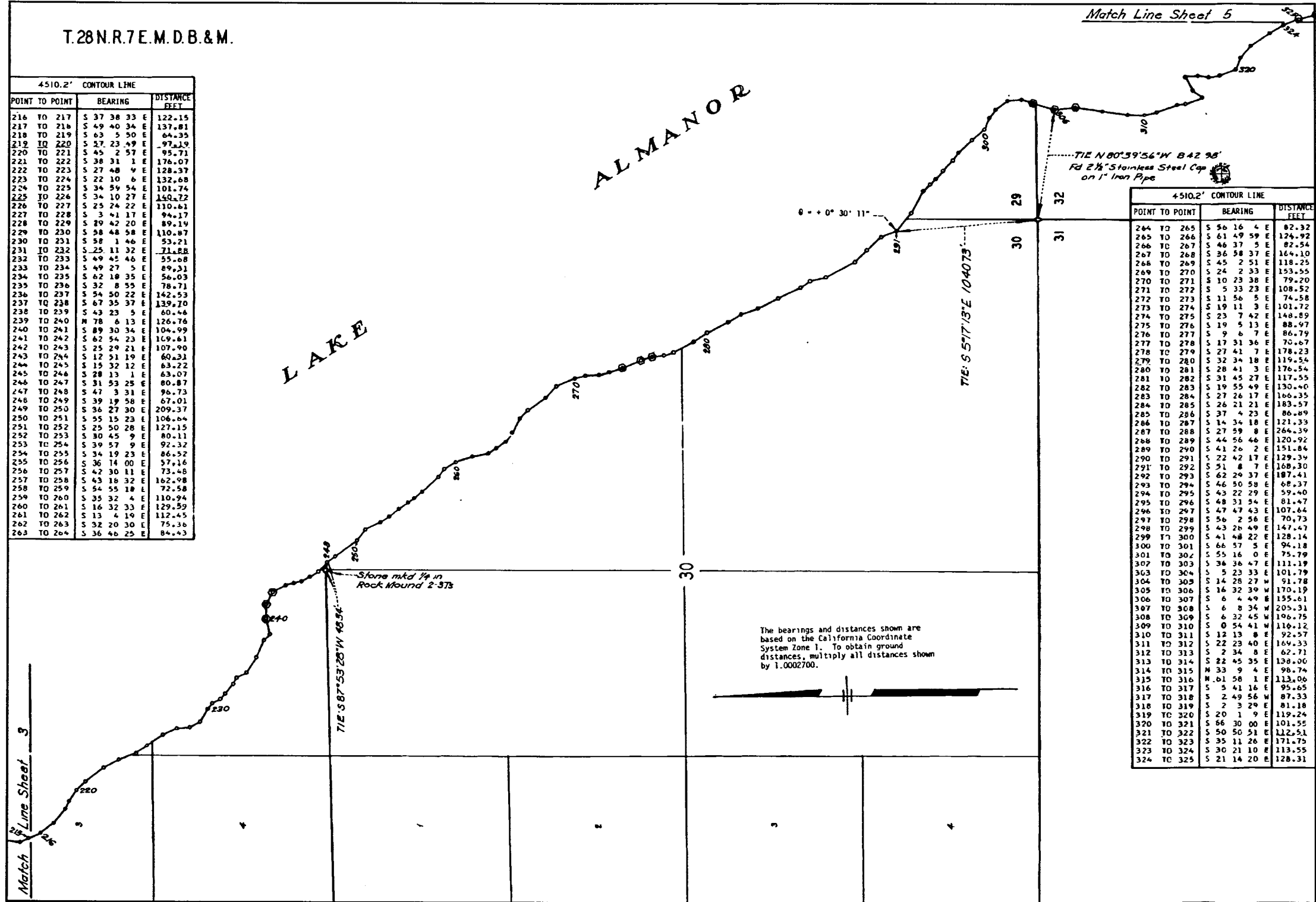
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T.28N.R.7E.M.D.B.&M.

4510.2' CONTOUR LINE		
POINT TO POINT	BEARING	DISTANCE FEET
216 TO 217	S 37 38 33 E	122.15
217 TO 218	S 49 40 34 E	137.81
218 TO 219	S 63 5 50 E	64.35
219 TO 220	S 27 23 49 E	97.19
220 TO 221	S 45 2 57 E	95.71
221 TO 222	S 38 31 1 E	176.07
222 TO 223	S 27 48 4 E	128.37
223 TO 224	S 22 10 6 E	132.68
224 TO 225	S 34 59 54 E	101.74
225 TO 226	S 34 10 27 E	149.72
226 TO 227	S 25 24 22 E	110.61
227 TO 228	S 3 41 17 E	94.17
228 TO 229	S 49 42 20 E	89.19
229 TO 230	S 98 48 58 E	110.97
230 TO 231	S 58 1 46 E	53.21
231 TO 232	S 25 11 32 E	71.88
232 TO 233	S 49 45 46 E	55.08
233 TO 234	S 49 27 5 E	89.31
234 TO 235	S 62 18 35 E	56.03
235 TO 236	S 32 8 55 E	78.71
236 TO 237	S 54 50 22 E	142.53
237 TO 238	S 67 35 37 E	139.70
238 TO 239	S 43 23 5 E	80.48
239 TO 240	N 78 4 13 E	126.76
240 TO 241	S 89 30 34 E	104.99
241 TO 242	S 62 54 23 E	109.61
242 TO 243	S 25 29 21 E	107.90
243 TO 244	S 12 51 19 E	60.31
244 TO 245	S 15 32 12 E	63.22
245 TO 246	S 28 13 1 E	63.07
246 TO 247	S 31 53 25 E	80.87
247 TO 248	S 41 3 31 E	96.73
248 TO 249	S 39 19 58 E	67.01
249 TO 250	S 36 27 30 E	209.37
250 TO 251	S 55 15 23 E	104.64
251 TO 252	S 25 50 28 E	127.15
252 TO 253	S 30 45 9 E	80.11
253 TO 254	S 39 57 9 E	92.32
254 TO 255	S 34 19 23 E	86.52
255 TO 256	S 36 14 00 E	57.16
256 TO 257	S 42 30 11 E	73.48
257 TO 258	S 43 18 32 E	162.98
258 TO 259	S 54 55 18 E	72.58
259 TO 260	S 35 32 4 E	110.94
260 TO 261	S 16 32 33 E	129.59
261 TO 262	S 13 4 19 E	112.45
262 TO 263	S 32 20 30 E	75.36
263 TO 264	S 36 46 25 E	84.43

4510.2' CONTOUR LINE		
POINT TO POINT	BEARING	DISTANCE FEET
264 TO 265	S 56 16 4 E	82.32
265 TO 266	S 61 49 59 E	124.92
266 TO 267	S 46 37 5 E	82.54
267 TO 268	S 36 58 37 E	164.10
268 TO 269	S 45 2 51 E	118.25
269 TO 270	S 24 2 33 E	153.55
270 TO 271	S 10 23 38 E	79.20
271 TO 272	S 5 33 23 E	108.52
272 TO 273	S 11 56 5 E	74.58
273 TO 274	S 19 11 3 E	101.72
274 TO 275	S 23 7 42 E	148.89
275 TO 276	S 19 5 13 E	88.97
276 TO 277	S 9 6 7 E	86.79
277 TO 278	S 17 31 36 E	70.57
278 TO 279	S 27 41 7 E	178.23
279 TO 280	S 32 34 18 E	119.54
280 TO 281	S 28 41 3 E	176.54
281 TO 282	S 31 45 27 E	117.55
282 TO 283	S 19 55 49 E	130.40
283 TO 284	S 27 26 17 E	166.35
284 TO 285	S 26 21 21 E	183.57
285 TO 286	S 37 4 23 E	86.09
286 TO 287	S 14 34 18 E	121.33
287 TO 288	S 27 59 8 E	246.39
288 TO 289	S 44 56 46 E	120.92
289 TO 290	S 41 26 2 E	151.84
290 TO 291	S 22 42 17 E	129.39
291 TO 292	S 51 8 7 E	168.30
292 TO 293	S 62 29 37 E	187.41
293 TO 294	S 46 50 58 E	68.37
294 TO 295	S 43 22 29 E	59.40
295 TO 296	S 48 31 54 E	81.47
296 TO 297	S 47 47 43 E	107.64
297 TO 298	S 56 2 58 E	70.73
298 TO 299	S 43 26 49 E	147.47
299 TO 300	S 41 48 22 E	128.14
300 TO 301	S 66 57 5 E	94.18
301 TO 302	S 55 16 0 E	75.79
302 TO 303	S 36 36 47 E	111.19
303 TO 304	S 5 23 33 E	101.79
304 TO 305	S 14 28 27 W	51.78
305 TO 306	S 16 32 30 W	170.19
306 TO 307	S 6 4 49 E	155.61
307 TO 308	S 6 8 34 W	205.31
308 TO 309	S 6 32 45 W	196.75
309 TO 310	S 0 54 41 W	116.12
310 TO 311	S 12 13 8 E	92.57
311 TO 312	S 22 23 40 E	169.33
312 TO 313	S 2 34 8 E	62.71
313 TO 314	S 22 45 35 E	138.00
314 TO 315	N 33 9 4 E	98.74
315 TO 316	N 61 58 1 E	113.06
316 TO 317	S 5 41 16 E	95.65
317 TO 318	S 2 49 56 W	87.33
318 TO 319	S 2 3 29 E	81.18
319 TO 320	S 20 1 9 E	119.24
320 TO 321	S 66 30 00 E	101.55
321 TO 322	S 50 50 51 E	112.51
322 TO 323	S 35 11 26 E	171.75
323 TO 324	S 30 21 19 E	113.55
324 TO 325	S 21 14 20 E	128.31



This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R.V. Rothberg*  
CHIEF CIVIL ENGINEER

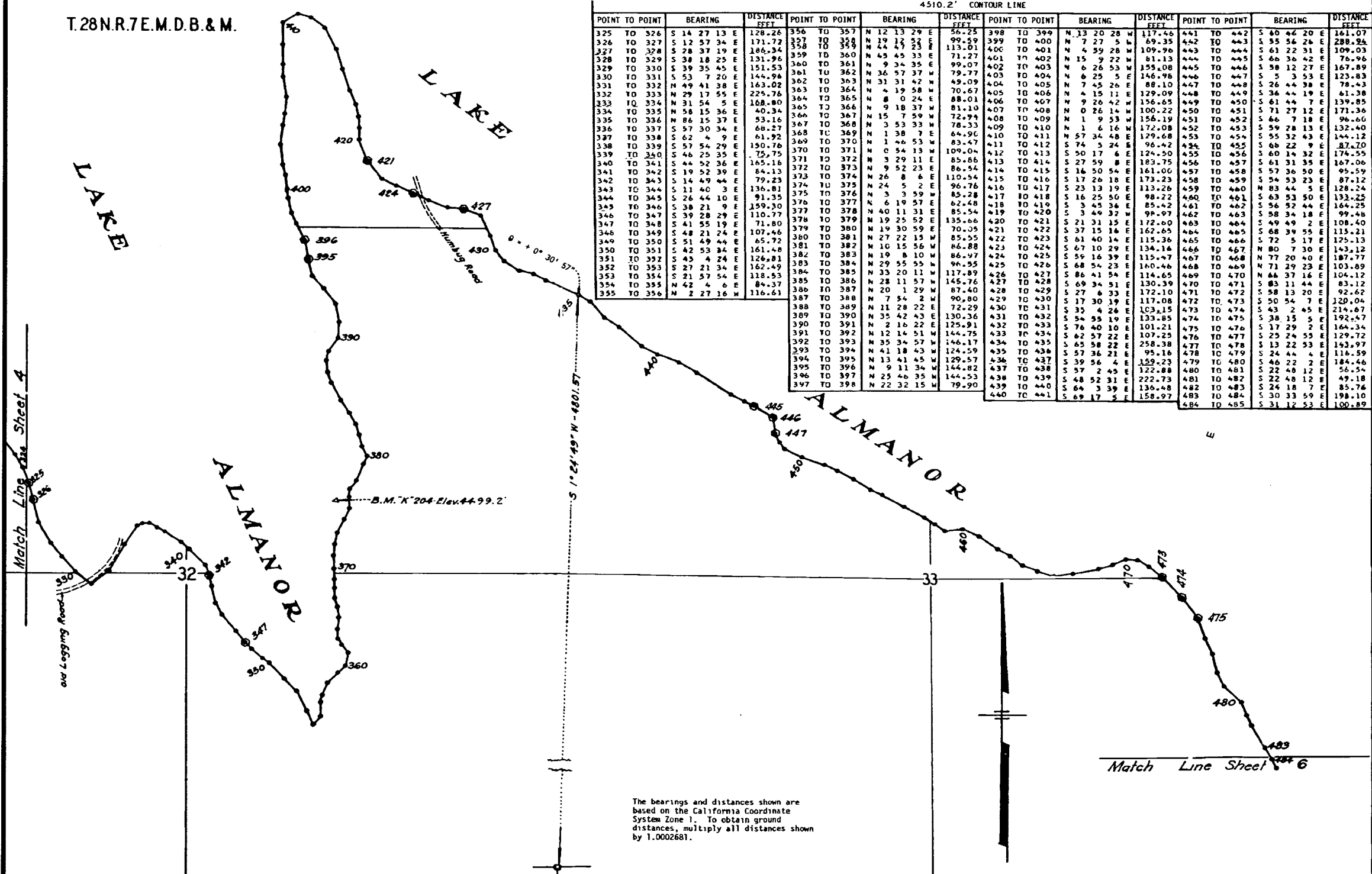
ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-11  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

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T.28N.R.7E.M.D.B.&M.



4510.2' CONTOUR LINE

POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
325 TO 326	S 14 27 13 E	128.26	356 TO 357	N 12 13 29 E	56.25	398 TO 399	N 13 20 28 W	117.46	441 TO 442	S 40 44 20 E	161.07
326 TO 327	S 12 57 34 E	171.72	357 TO 358	N 19 12 32 E	99.59	399 TO 400	N 7 27 5 W	69.35	442 TO 443	S 55 54 26 E	288.24
327 TO 328	S 28 37 19 E	186.34	358 TO 359	N 44 47 23 E	113.01	400 TO 401	N 4 39 28 W	109.96	443 TO 444	S 61 22 31 E	109.03
328 TO 329	S 38 18 25 E	131.96	359 TO 360	N 9 34 35 E	71.27	401 TO 402	N 15 9 22 W	81.13	444 TO 445	S 66 36 42 E	76.96
329 TO 330	S 39 35 45 E	151.53	360 TO 361	N 36 57 37 W	99.07	402 TO 403	N 6 26 53 W	155.08	445 TO 446	S 38 12 27 E	167.89
330 TO 331	S 53 7 20 E	144.94	361 TO 362	N 31 31 42 W	79.77	403 TO 404	N 6 25 5 E	146.96	446 TO 447	S 5 3 53 E	123.83
331 TO 332	N 49 41 38 E	163.02	362 TO 363	N 4 19 58 W	49.09	404 TO 405	N 7 45 26 E	88.10	447 TO 448	S 26 44 38 E	74.43
332 TO 333	N 29 17 55 E	225.76	363 TO 364	N 8 0 24 E	70.67	405 TO 406	N 4 15 11 E	129.09	448 TO 449	S 36 44 19 E	41.38
333 TO 334	N 31 54 5 E	168.80	364 TO 365	N 15 7 59 W	88.01	406 TO 407	N 9 26 42 W	156.65	449 TO 450	S 61 44 7 E	139.85
334 TO 335	N 58 15 36 E	40.34	365 TO 366	N 9 18 37 W	81.10	407 TO 408	N 0 26 14 W	100.22	450 TO 451	S 71 27 12 E	171.36
335 TO 336	N 86 15 37 E	53.16	366 TO 367	N 15 7 59 W	72.94	408 TO 409	N 1 9 53 W	156.19	451 TO 452	S 66 7 18 E	96.60
336 TO 337	S 57 30 34 E	68.27	367 TO 368	N 3 53 33 W	78.33	409 TO 410	N 1 6 16 W	172.08	452 TO 453	S 59 28 13 E	132.40
337 TO 338	S 62 4 9 E	61.92	368 TO 369	N 1 38 7 E	64.96	410 TO 411	N 57 34 48 E	129.68	453 TO 454	S 55 32 43 E	144.12
338 TO 339	S 57 54 29 E	150.78	369 TO 370	N 1 46 53 W	83.47	411 TO 412	S 74 5 24 E	96.42	454 TO 455	S 68 22 9 E	127.20
339 TO 340	S 46 25 35 E	75.75	370 TO 371	N 0 54 13 W	109.04	412 TO 413	S 50 17 4 E	126.50	455 TO 456	S 60 14 32 E	174.55
340 TO 341	S 44 52 36 E	165.16	371 TO 372	N 3 29 11 E	85.86	413 TO 414	S 27 59 8 E	183.75	456 TO 457	S 61 31 35 E	167.06
341 TO 342	S 19 52 39 E	64.13	372 TO 373	N 9 52 23 E	86.54	414 TO 415	S 16 50 54 E	161.00	457 TO 458	S 57 36 50 E	95.59
342 TO 343	S 14 49 44 E	79.23	373 TO 374	N 26 8 6 E	110.54	415 TO 416	S 17 26 18 E	173.23	458 TO 459	S 54 53 23 E	87.12
343 TO 344	S 11 40 3 E	136.81	374 TO 375	N 24 5 2 E	96.76	416 TO 417	S 23 13 19 E	113.26	459 TO 460	N 83 44 5 E	128.24
344 TO 345	S 26 44 10 E	91.35	375 TO 376	N 3 9 59 W	85.28	417 TO 418	S 16 25 50 E	98.22	460 TO 461	S 63 53 50 E	132.25
345 TO 346	S 38 21 9 E	159.30	376 TO 377	N 6 19 57 E	62.48	418 TO 419	S 3 45 36 E	85.42	461 TO 462	S 56 52 44 E	164.25
346 TO 347	S 39 28 29 E	110.77	377 TO 378	N 40 11 31 E	85.54	419 TO 420	S 3 46 32 W	98.97	462 TO 463	S 58 34 18 E	99.48
347 TO 348	S 41 55 19 E	71.80	378 TO 379	N 19 25 52 E	135.66	420 TO 421	S 21 31 15 E	172.60	463 TO 464	S 49 49 2 E	108.40
348 TO 349	S 48 21 24 E	107.46	379 TO 380	N 19 30 59 E	70.05	421 TO 422	S 37 15 16 E	162.65	464 TO 465	S 68 39 55 E	115.21
349 TO 350	S 51 49 44 E	65.72	380 TO 381	N 27 22 15 W	85.22	422 TO 423	S 61 40 14 E	115.36	465 TO 466	S 72 5 17 E	125.13
350 TO 351	S 42 53 34 E	161.48	381 TO 382	N 10 15 56 W	86.88	423 TO 424	S 67 10 29 E	134.14	466 TO 467	N 80 7 30 E	143.12
351 TO 352	S 43 4 24 E	126.81	382 TO 383	N 19 8 10 W	86.97	424 TO 425	S 59 16 39 E	115.47	467 TO 468	N 77 20 40 E	187.77
352 TO 353	S 27 21 34 E	162.49	383 TO 384	N 29 55 55 W	84.55	425 TO 426	S 68 54 23 E	160.46	468 TO 469	N 71 29 23 E	103.89
353 TO 354	S 21 57 54 E	118.53	384 TO 385	N 33 20 11 W	117.89	426 TO 427	S 86 41 54 E	114.65	469 TO 470	N 66 37 16 E	104.12
354 TO 355	N 42 4 6 E	84.37	385 TO 386	N 28 11 57 W	145.76	427 TO 428	S 69 34 51 E	130.39	470 TO 471	S 83 11 44 E	83.12
355 TO 356	N 2 27 16 W	116.61	386 TO 387	N 20 1 29 W	87.40	428 TO 429	S 27 6 33 E	172.10	471 TO 472	S 58 13 20 E	92.62
			387 TO 388	N 7 54 2 W	90.80	429 TO 430	S 17 30 19 E	117.08	472 TO 473	S 50 54 7 E	120.04
			388 TO 389	N 11 28 22 E	72.29	430 TO 431	S 35 4 26 E	103.15	473 TO 474	S 43 2 45 E	214.67
			389 TO 390	N 35 42 43 E	130.36	431 TO 432	S 54 55 19 E	133.85	474 TO 475	S 38 15 5 E	192.47
			390 TO 391	N 2 16 22 E	125.91	432 TO 433	S 76 40 10 E	101.21	475 TO 476	S 17 29 2 E	164.34
			391 TO 392	N 12 14 51 W	144.75	433 TO 434	S 62 57 22 E	107.25	476 TO 477	S 25 24 55 E	129.72
			392 TO 393	N 35 34 57 W	146.17	434 TO 435	S 65 58 22 E	258.38	477 TO 478	S 13 22 53 E	143.97
			393 TO 394	N 41 18 43 W	124.59	435 TO 436	S 57 36 21 E	95.16	478 TO 479	S 24 44 4 E	118.59
			394 TO 395	N 13 41 45 W	129.57	436 TO 437	S 39 56 4 E	159.23	479 TO 480	S 46 22 2 E	184.46
			395 TO 396	N 9 11 34 W	144.82	437 TO 438	S 57 2 45 E	122.88	480 TO 481	S 22 48 12 E	56.54
			396 TO 397	N 25 46 35 W	144.53	438 TO 439	S 48 52 31 E	222.73	481 TO 482	S 22 48 12 E	49.18
			397 TO 398	N 22 32 15 W	79.90	439 TO 440	S 64 3 39 E	136.48	482 TO 483	S 24 18 7 E	85.74
						440 TO 441	S 69 17 5 E	158.97	483 TO 484	S 30 33 59 E	198.10
						441 TO 442			484 TO 485	S 31 12 53 E	100.89

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002681.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

R.V. Bettinger  
CHIEF CIVIL ENGINEER

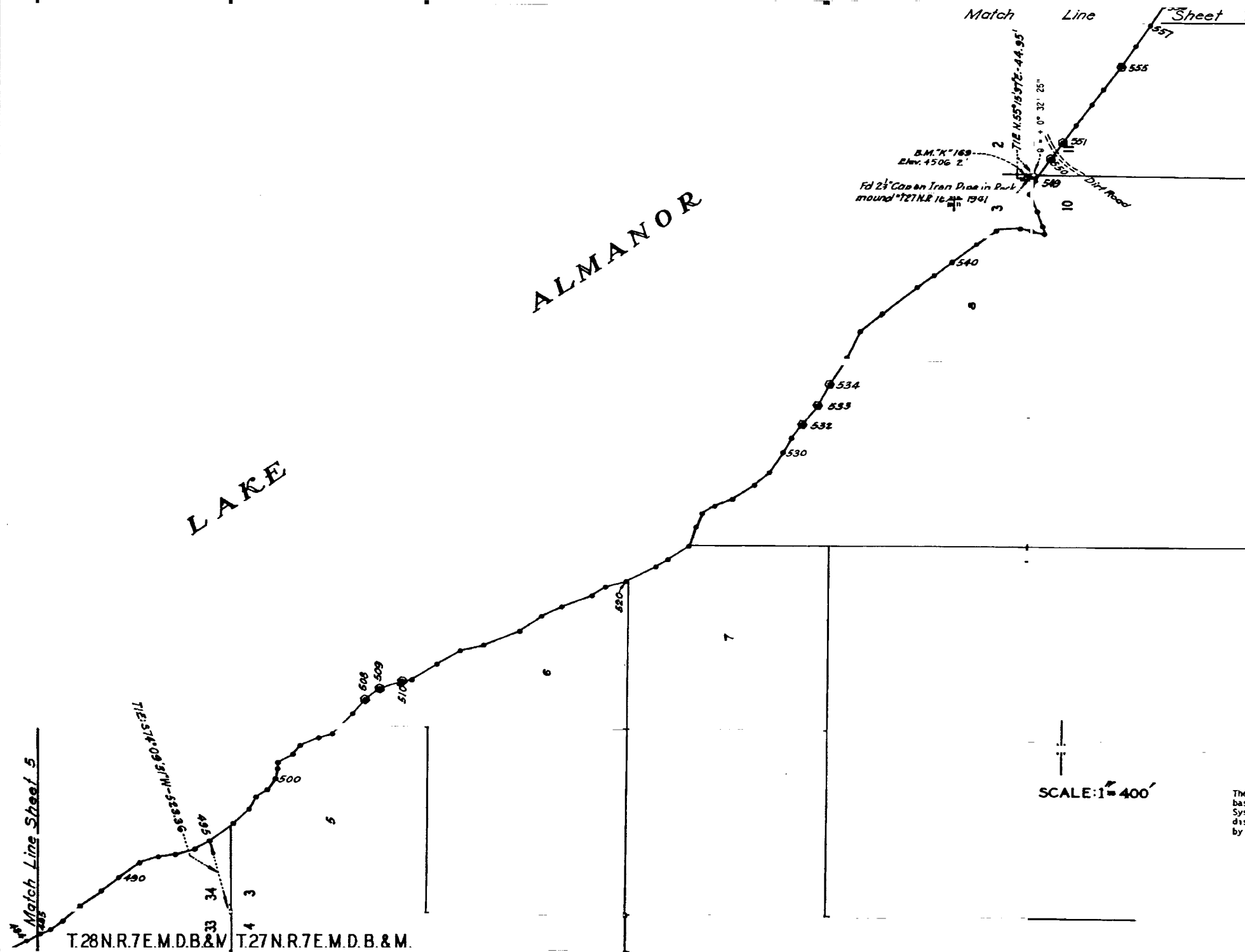
ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-12  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.



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POINT TO POINT	BEARING	DISTANCE FEET
485 TO 486	S 24 16 48 E	72.65
486 TO 487	S 40 36 42 E	103.27
487 TO 488	S 45 34 55 E	161.76
488 TO 489	S 38 41 20 E	177.86
489 TO 490	S 35 38 45 E	150.38
490 TO 491	S 36 59 0 E	170.38
491 TO 492	S 20 52 0 E	135.14
492 TO 493	S 16 7 22 E	114.59
493 TO 494	S 18 16 23 E	124.88
494 TO 495	S 31 13 45 E	118.64
495 TO 496	S 39 10 54 E	196.73
496 TO 497	S 46 31 30 E	147.72
497 TO 498	S 63 58 54 E	100.64
498 TO 499	S 35 32 27 E	92.63
499 TO 500	S 55 4 55 E	92.57
500 TO 501	S 61 58 46 E	68.37
501 TO 502	S 66 34 29 E	43.73
502 TO 503	S 31 27 16 E	116.95
503 TO 504	S 54 46 37 E	80.88
504 TO 505	S 23 34 26 E	138.07
505 TO 506	S 14 16 8 E	95.56
506 TO 507	S 47 3 3 E	194.42
507 TO 508	S 53 16 41 E	136.33
508 TO 509	S 30 57 13 E	174.97
509 TO 510	S 21 5 30 E	152.19
510 TO 511	S 4 39 55 E	61.49
511 TO 512	S 35 32 5 E	205.38
512 TO 513	S 32 32 19 E	186.12
513 TO 514	S 14 47 36 E	159.07
514 TO 515	S 23 57 22 E	250.75
515 TO 516	S 36 50 41 E	185.50
516 TO 517	S 27 46 35 E	148.27
517 TO 518	S 23 38 40 E	218.60
518 TO 519	S 36 43 44 E	113.12
519 TO 520	S 17 42 0 E	153.65
520 TO 521	S 29 30 48 E	223.65
521 TO 522	S 31 54 21 E	94.03
522 TO 523	S 35 58 56 E	168.21
523 TO 524	S 71 31 2 E	150.87
524 TO 525	S 70 32 24 E	102.94
525 TO 526	S 35 1 50 E	98.98
526 TO 527	S 21 43 40 E	122.92
527 TO 528	S 35 27 0 E	177.95
528 TO 529	S 44 41 46 E	137.45
529 TO 530	S 57 11 56 E	170.14
530 TO 531	S 61 43 59 E	120.58
531 TO 532	S 55 51 27 E	128.37
532 TO 533	S 52 45 4 E	167.05
533 TO 534	S 62 52 26 E	164.25
534 TO 535	S 58 15 42 E	222.57
535 TO 536	S 67 17 39 E	210.97
536 TO 537	S 41 45 34 E	201.72
537 TO 538	S 40 26 47 E	293.33
538 TO 539	S 40 38 18 E	135.10
539 TO 540	S 40 16 17 E	158.61
540 TO 541	S 39 51 23 E	202.42
541 TO 542	S 37 26 20 E	164.09
542 TO 543	S 4 33 11 E	154.12
543 TO 544	S 11 14 32 E	804.44
544 TO 545	S 12 20 48 W	82.41
545 TO 546	N 76 30 35 E	50.39
546 TO 547	N 69 38 45 E	116.16
547 TO 548	N 69 38 45 E	137.04
548 TO 549	S 70 15 34 E	101.03
549 TO 550	S 54 3 42 E	191.35
550 TO 551	S 55 35 9 E	138.14
551 TO 552	S 56 30 27 E	153.97
552 TO 553	S 56 42 27 E	178.17
553 TO 554	S 54 30 27 E	138.85
554 TO 555	S 55 52 58 E	202.70
555 TO 556	S 58 43 13 E	170.48
556 TO 557	S 55 34 38 E	184.12
557 TO 558	S 67 42 11 E	148.48

SCALE: 1" = 400'

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002641.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

R.V. Bettinger  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-13  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.



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Match Line Sheet 6 637

50°32'09"E 1327.41' 558  
572.46' 559

N88°50'08"E  
662.10'

S45°11'59"E  
339.27'

653.83'  
50°24'22"E

N88°41'37"E 1337.20'

LAKE

ALMANOR

Shop and Boat House  
Quassel Type, Conc. Foundation

0° + 0° 33' 09"

B.M. "K" 151  
2" I.R. in concrete, pad  
Elev 4499.7'

TIE: S 71°45'31"E - 1482.80'

N89°56'23"E 1324.75'  
TIE: N 50°10'01"W - 160.86'

SCALE: 1" = 400'

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002612.

45102' CONTOUR LINE			POINT TO POINT BEARING DISTANCE FEET			POINT TO POINT BEARING DISTANCE FEET			POINT TO POINT BEARING DISTANCE FEET					
558	TO	559	S 56°41'10"E	122.16	607	TO	608	S 64°22'31"E	97.60	634A	TO	635	N 20°41'47"E	150.05
584	TO	585	S 39°34'28"E	29.45	608	TO	609	S 82°1'51"E	101.39	635	TO	636	N 27°38'49"E	161.95
588	TO	589	S 22°46'34"E	118.24	609	TO	610	S 74°36'13"E	138.32	636	TO	637	N 81°32'16"E	113.14
589	TO	590	S 35°44'7"E	117.53	610	TO	611	S 37°48'1"E	101.21	637	TO	638	S 82°21'17"E	116.43
590	TO	591	S 39°4'12"E	172.35	611	TO	612	S 40°18'4"E	118.20	638	TO	639	S 61°35'33"E	39.45
591	TO	591A	S 50°5'29"E	130.87	612	TO	613	S 20°45'46"E	171.93	639	TO	640	S 44°41'37"E	76.04
591A	TO	592	S 73°39'51"E	116.40	613	TO	614	S 71°48'9"E	69.93	640	TO	641	N 37°11'22"E	107.21
592	TO	593	S 75°44'34"E	98.76	614	TO	615	S 76°51'15"E	16.20	641	TO	642	N 41°50'54"E	171.68
593	TO	594	S 55°10'7"E	153.45						642	TO	643	N 44°4'34"E	61.32
594	TO	595	S 60°33'1"E	150.50						643	TO	644	N 83°24'48"E	59.14
595	TO	596	S 57°36'44"E	187.36						644	TO	645	S 62°7'57"E	42.60
596	TO	597	S 28°29'00"E	57.27						645	TO	646	S 35°20'5"E	126.37
597	TO	598	S 1°50'5"W	94.93						646	TO	647	S 16°47'31"E	215.71
598	TO	599	S 67°20'29"E	68.37						647	TO	648	S 5°42'47"W	60.62
599	TO	600	N 79°42'32"E	45.59						648	TO	649	S 43°54'1"E	79.89
600	TO	601	S 83°35'38"E	64.62						649	TO	650	S 77°25'16"E	41.03
601	TO	602	S 70°5'51"E	190.36						650	TO	651	N 45°15'39"E	90.66
602	TO	603	N 85°35'55"E	225.28						651	TO	652	N 11°53'59"E	136.85
603	TO	604	S 72°22'39"E	84.42	631	TO	632	S 37°32'2"W	0.66	652	TO	653	N 37°20'33"E	46.31
604	TO	605	S 55°10'12"E	142.75	632	TO	633	S 2°48'8"W	105.15	653	TO	654	N 73°13'41"E	66.53
605	TO	606	S 34°39'30"E	225.31	633	TO	634	S 26°42'44"E	75.15	654	TO	654A	S 15°41'20"E	86.15
606	TO	607	S 62°10'58"E	137.26	634	TO	634A	S 7°20'53"E	173.18	654A	TO	655	S 9°19'41"E	116.20
										655	TO	656	N 63°21'6"E	104.50
										656	TO	657	N 50°39'4"E	113.25
										657	TO	658	N 17°23'45"E	208.08
										658	TO	659	N 1°29'48"W	58.53
										659	TO	660	S 48°12'21"E	173.05
										660	TO	661	S 48°43'6"E	129.67
										661	TO	662	S 35°54'2"E	229.35
										662	TO	663	S 23°31'48"E	113.56
										663	TO	664	S 0°28'33"E	79.46
										664	TO	665	S 18°14'25"E	45.27
										665	TO	666	N 80°42'11"E	121.96
										666	TO	667	S 82°5'44"E	136.21
										667	TO	668	S 57°58'31"E	105.42
										668	TO	669	S 37°54'35"E	86.51
										669	TO	670	N 80°9'14"E	102.83
										670	TO	671	S 79°3'5"E	66.58
										671	TO	672	S 69°5'29"E	98.29
										672	TO	673	S 51°1'1"E	123.67

R.R. A&P & B.T.S.E. Quadrant  
(This corner is ordinarily under water)

Match Line Sheet 7  
T27N R7E  
T27N R8E  
FM D.B. & M.  
M.D.B. & M.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

R.V. Bettinger  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-14  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

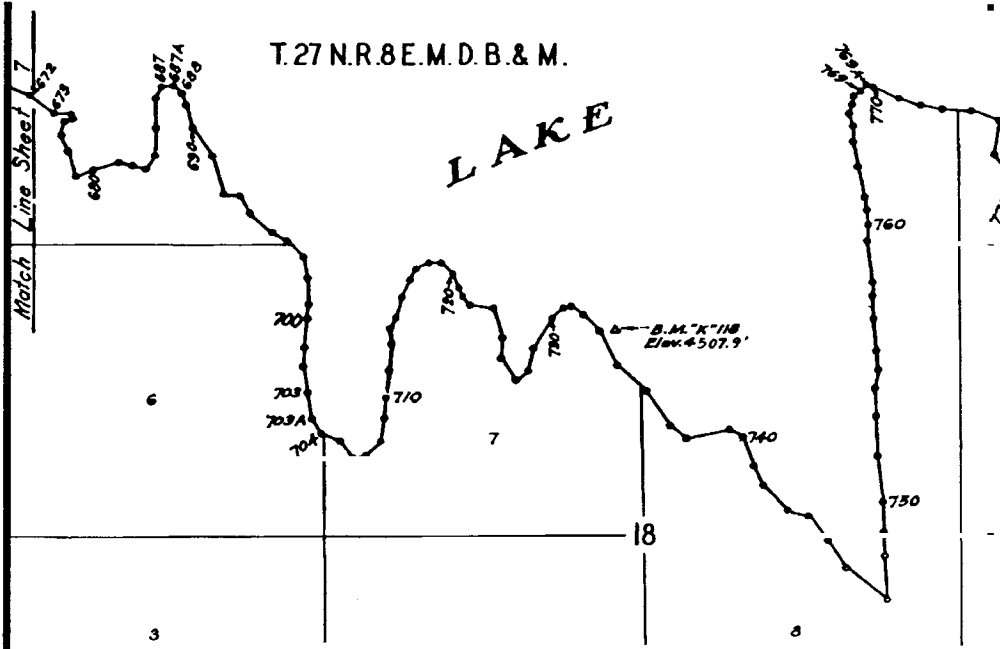
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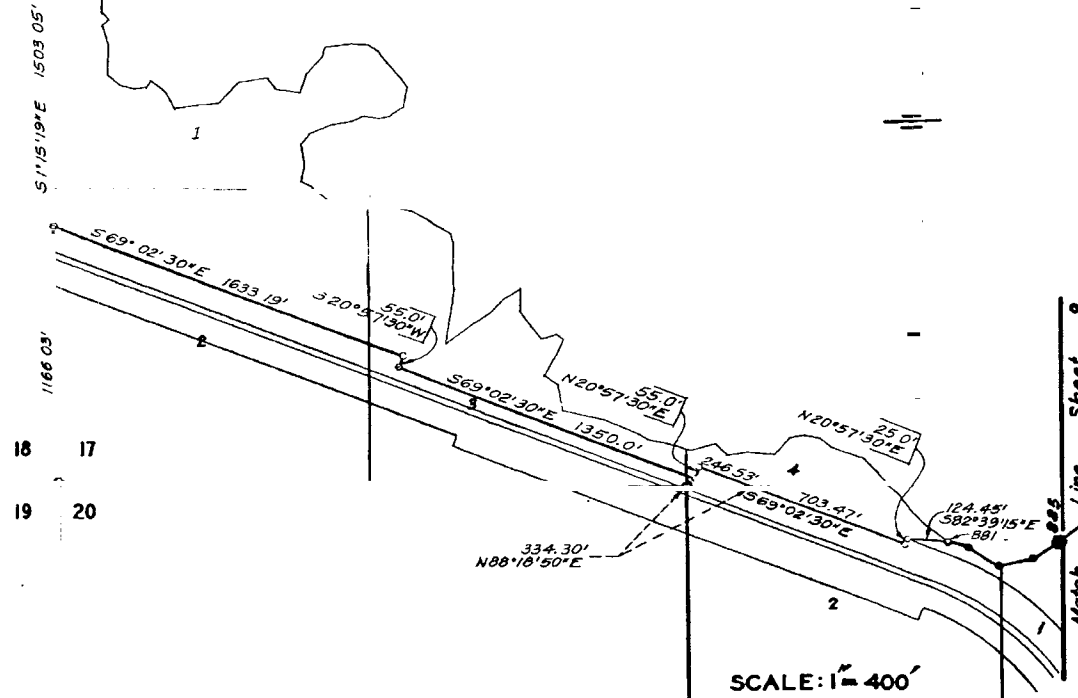
T.27N.R.8E.M.D.B.&M.

LAKE

ALMANOR



POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	
673 TO 674	S 88° 25' 16" E	80.35	724 TO 725	S 16° 12' 28" E	139.57	776 TO 777	S 37° 32' 22" E	83.12	
674 TO 675	S 8° 42' 13" E	17.26	725 TO 726	S 3° 4' 15" W	91.45	777 TO 777A	S 76° 6' 53" E	58.17	
675 TO 676	S 65° 31' 47" W	39.60	726 TO 727	S 30° 42' 25" E	114.76	777A TO 777B	N 73° 31' 48" E	68.52	
676 TO 677	S 13° 41' 11" W	67.00	727 TO 728	N 51° 36' 10" E	64.69	777B TO 777C	S 80° 36' 56" E	62.38	
677 TO 678	S 26° 0' 37" E	75.75	728 TO 729	N 17° 2' 31" E	101.15	777C TO 778	S 80° 20' 26" E	71.76	
678 TO 679	S 14° 59' 22" E	177.73	729 TO 730	N 30° 48' 44" E	160.81	778 TO 780	S 80° 25' 41" E	149.97	
679 TO 680	N 68° 1' 26" E	87.85	730 TO 731	N 45° 14' 41" E	67.60	780 TO 781	S 65° 44' 45" E	51.24	
680 TO 681	N 72° 16' 17" E	113.09	731 TO 732	N 78° 1' 1" E	33.74	781 TO 782	S 46° 4' 56" E	98.08	
681 TO 682	S 80° 24' 41" E	62.99	732 TO 733	S 54° 47' 2" E	61.11	782 TO 783	S 53° 47' 35" E	93.28	
682 TO 683	S 70° 23' 20" E	57.59	733 TO 734	S 41° 41' 7" E	102.01	783 TO 784	S 49° 51' 32" E	96.93	
683 TO 684	N 31° 3' 31" E	75.65	734 TO 735	S 27° 30' 41" E	173.91	784 TO 785	S 5° 28' 59" E	124.65	
684 TO 685	N 2° 4' 19" E	127.34	735 TO 736	S 47° 51' 35" E	170.52	785 TO 786	S 22° 45' 55" E	128.91	
685 TO 686	N 1° 18' 18" W	131.40	736 TO 737	S 32° 10' 40" E	164.50	786 TO 787	S 10° 3' 47" E	86.54	
686 TO 687	N 22° 47' 16" E	59.53	737 TO 738	S 47° 34' 35" E	89.54	787 TO 788	S 6° 51' 45" E	107.58	
687 TO 687A	N 88° 16' 48" E	49.01	738 TO 739	N 76° 26' 31" E	188.92	788 TO 789	S 32° 57' 18" E	251.97	
687A TO 688	S 47° 25' 35" E	50.25	739 TO 740	S 65° 31' 13" E	65.26	789 TO 790	S 22° 0' 40" E	160.80	
688 TO 689	S 22° 27' 42" E	55.90	740 TO 741	S 19° 15' 57" E	140.98	790 TO 791	S 9° 5' 24" W	167.11	
689 TO 690	S 14° 40' 28" E	108.09	741 TO 742	S 24° 46' 56" E	99.12	791 TO 792	S 28° 13' 45" E	81.11	
690 TO 691	S 33° 43' 54" E	155.46	742 TO 743	S 42° 32' 52" E	149.42	792 TO 793	S 74° 25' 7" E	104.98	
691 TO 692	S 16° 10' 28" E	180.56	743 TO 744	S 76° 43' 34" E	99.91	793 TO 794	N 66° 15' 30" E	68.58	
692 TO 693	S 86° 4' 35" E	70.55	744 TO 745	S 36° 12' 38" E	132.53				
693 TO 694	S 27° 20' 56" E	88.80	745 TO 746	S 33° 0' 54" E	146.61				
694 TO 695	S 48° 54' 20" E	129.60	746 TO 747	S 50° 49' 4" E	228.69				
695 TO 696	S 59° 47' 1" E	70.80	747 TO 748	N 3° 20' 00" W	202.72				
696 TO 697	S 43° 19' 36" E	100.96	748 TO 749	N 4° 50' 0" W	105.78				
697 TO 698	S 15° 10' 43" E	95.59	749 TO 750	N 1° 27' 45" W	132.63				
698 TO 699	S 1° 27' 15" E	122.90	750 TO 751	N 6° 50' 45" W	211.27				
699 TO 700	S 4° 6' 00" W	66.69	751 TO 752	N 2° 12' 45" W	179.10				
700 TO 701	S 4° 6' 00" W	130.88	752 TO 753	N 3° 10' 33" W	123.45				
701 TO 702	S 4° 47' 00" W	87.52	753 TO 754	N 11° 48' 1" E	89.52				
702 TO 703	S 9° 20' 29" E	120.38	754 TO 755	N 7° 13' 30" W	87.25				
703 TO 703A	S 7° 27' 59" E	117.73	755 TO 756	N 5° 42' 0" W	146.94				
703A TO 704	S 31° 48' 55" E	79.48	756 TO 757	N 1° 58' 30" W	107.60				
704 TO 705	S 66° 2' 43" E	87.73	757 TO 758	N 0° 44' 30" W	59.18				
705 TO 706	S 35° 54' 24" E	84.51	758 TO 759	N 7° 34' 15" W	188.44				
706 TO 707	N 76° 23' 16" E	54.29	759 TO 760	N 1° 52' 15" E	69.28				
707 TO 708	N 45° 43' 11" E	91.74	760 TO 761	N 6° 22' 45" W	69.41				
708 TO 709	N 10° 32' 46" E	106.15	761 TO 762	N 10° 11' 3" W	59.61				
709 TO 710	N 2° 51' 46" E	91.40	762 TO 763	N 11° 56' 1" W	132.68				
710 TO 711	N 7° 11' 46" E	123.26	763 TO 764	N 11° 56' 0" W	102.7				
711 TO 712	N 4° 39' 46" E	120.82	764 TO 765	N 0° 48' 55" E	77.00				
712 TO 713	N 7° 11' 45" W	67.51	765 TO 766	N 18° 14' 1" W	64.47				
713 TO 714	N 25° 47' 15" E	54.47	766 TO 767	N 17° 18' 41" E	44.29				
714 TO 715	N 14° 22' 36" E	102.80	767 TO 768	N 4° 17' 19" E	33.37				
715 TO 716	N 23° 9' 15" E	83.00	768 TO 769	N 50° 57' 41" E	36.60				
716 TO 717	N 25° 32' 30" E	28.70	769 TO 769A	N 41° 1' 55" E	40.74				
717 TO 718	N 56° 50' 37" E	56.70	769A TO 770	S 70° 19' 4" E	35.61				
718 TO 719	N 69° 17' 27" E	55.48	770 TO 771	S 65° 8' 30" E	117.54				
719 TO 720	S 48° 39' 50" E	71.64	771 TO 772	S 71° 57' 35" E	102.23				
720 TO 721	S 18° 25' 13" E	63.70	772 TO 773	N 9° 6' 23" E	93.33				
721 TO 722	S 25° 47' 25" E	43.50	773 TO 774	S 87° 40' 31" E	127.98				
722 TO 723	S 24° 25' 52" E	51.06	774 TO 775	S 69° 2' 18" E	127.97				
723 TO 724	S 83° 55' 36" E	106.38	775 TO 776	S 7° 53' 8" W	152.06				



The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002585.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R.V. Bittner*  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

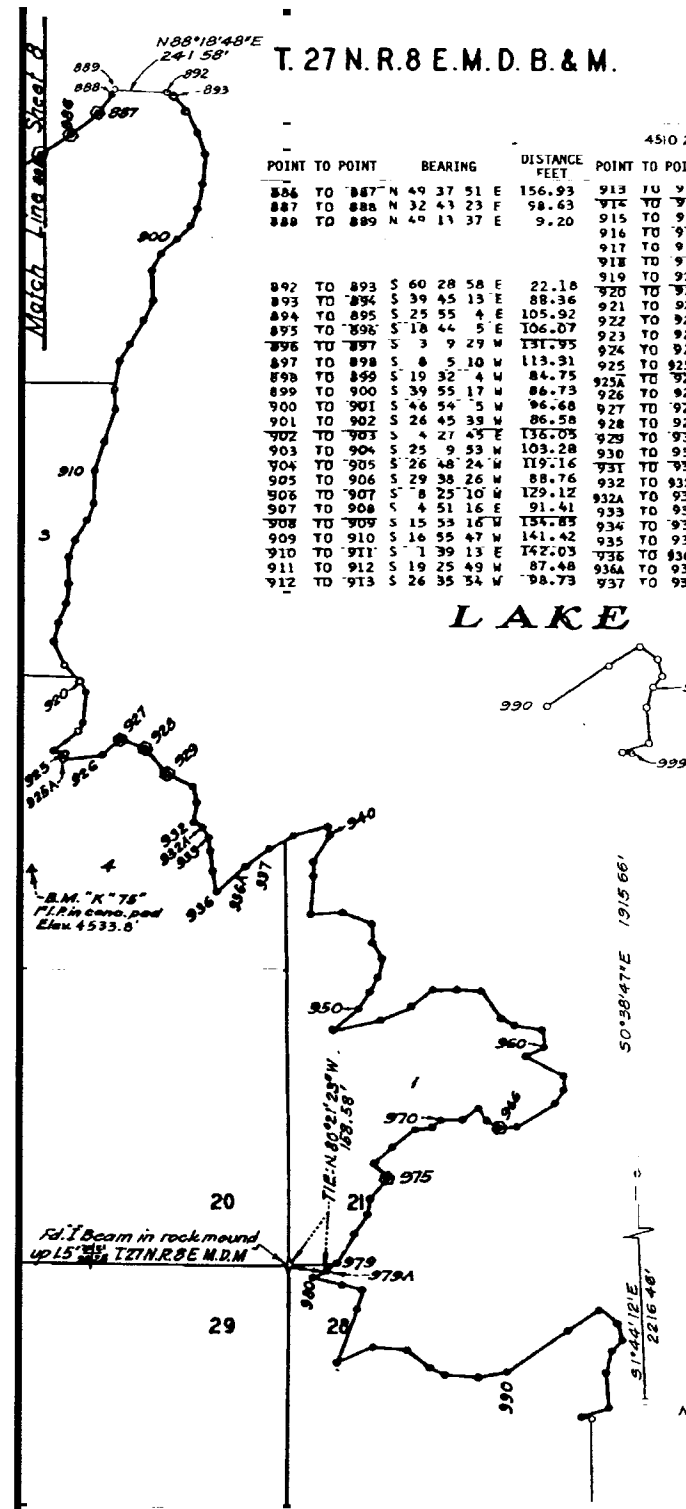
EXHIBIT G-15  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

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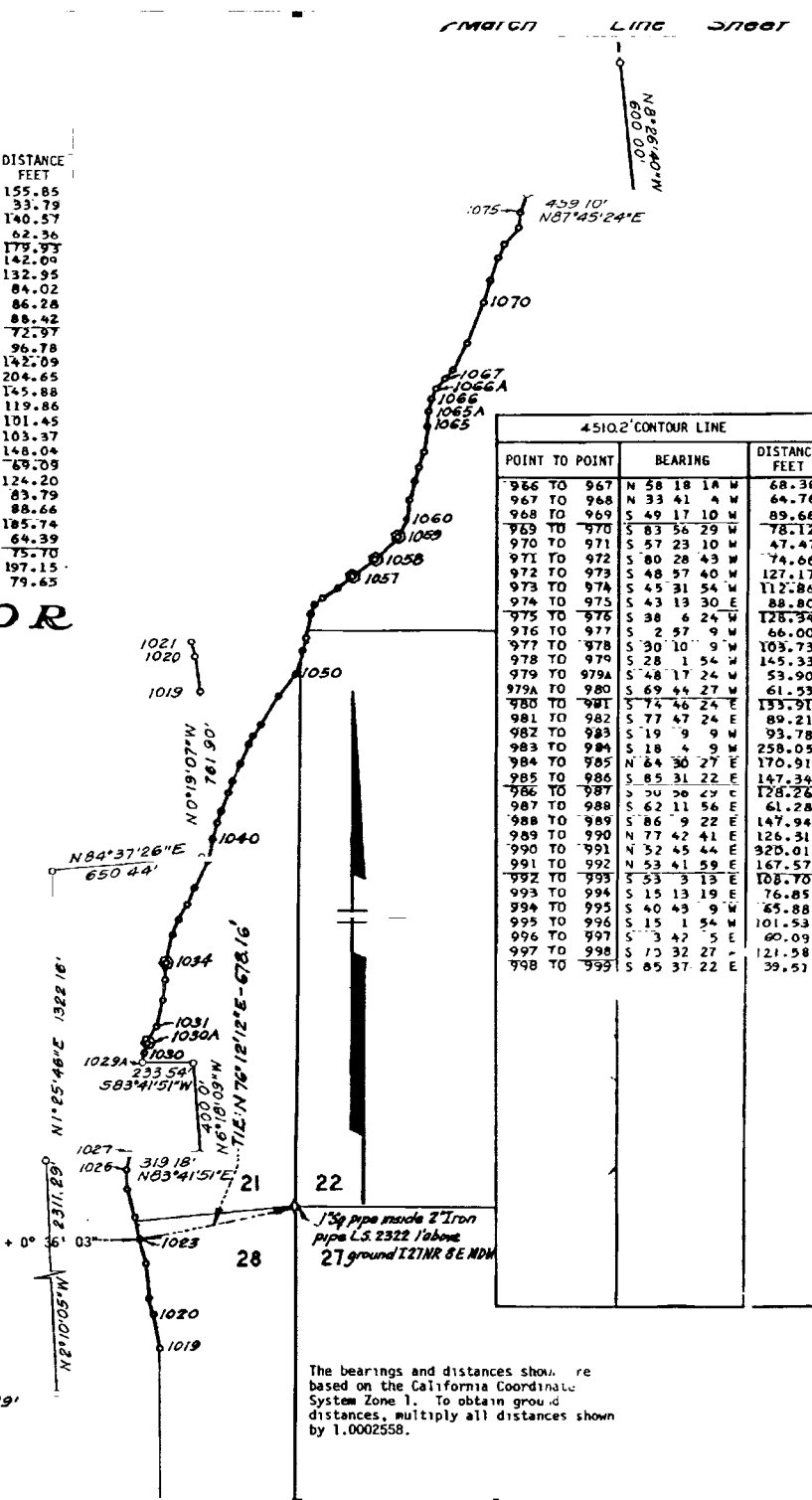
4031934

T. 27 N. R. 8 E. M. D. B. & M.



4510.2' CONTOUR LINE			4510.2' CONTOUR LINE			4510.2' CONTOUR LINE		
POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
886 TO 887	N 49 37 51 E	156.93	913 TO 914	S 20 32 5 W	87.96	938 TO 939	N 73 50 13 E	155.85
887 TO 888	N 32 43 23 E	98.63	914 TO 915	S 3 19 45 E	118.94	939 TO 940	S 12 7 20 E	33.79
888 TO 889	N 49 11 37 E	9.20	915 TO 916	S 5 18 53 W	91.81	940 TO 941	S 28 49 38 W	140.57
892 TO 893	S 60 28 58 E	22.18	916 TO 917	S 21 21 50 W	93.12	941 TO 942	S 4 20 45 E	62.36
893 TO 894	S 25 55 4 E	105.92	917 TO 918	S 11 37 43 W	83.02	942 TO 943	S 4 7 27 W	179.97
894 TO 895	S 18 44 5 E	106.07	918 TO 919	S 22 55 16 E	119.04	943 TO 944	N 84 76 46 E	122.03
895 TO 896	S 3 9 29 W	131.95	919 TO 920	S 40 27 0 E	98.83	944 TO 945	S 67 18 8 E	132.95
896 TO 897	S 8 5 10 W	113.31	920 TO 921	S 28 34 36 E	30.48	945 TO 946	S 0 58 57 E	84.02
897 TO 898	S 19 32 4 W	84.75	921 TO 922	S 3 43 51 W	134.03	946 TO 947	S 33 22 56 E	86.28
898 TO 899	S 39 55 17 W	86.73	922 TO 923	S 27 31 54 W	45.96	947 TO 948	S 14 10 14 W	88.42
899 TO 900	S 46 54 5 W	96.68	923 TO 924	S 47 13 20 W	134.50	948 TO 949	S 23 9 20 W	72.97
900 TO 901	S 26 45 39 W	86.58	924 TO 925	S 81 40 37 E	51.58	949 TO 950	S 30 16 9 W	96.78
901 TO 902	S 4 27 45 E	138.05	925 TO 926	S 4 21 22 W	25.99	950 TO 951	S 47 58 16 W	142.09
902 TO 903	S 25 9 53 W	103.28	926 TO 927	N 83 39 5 E	163.50	951 TO 952	N 75 50 51 E	204.65
903 TO 904	S 26 48 24 W	119.16	927 TO 928	N 44 24 14 E	105.44	952 TO 953	N 48 0 51 E	145.88
904 TO 905	S 29 38 26 W	88.76	928 TO 929	S 66 36 16 E	116.89	953 TO 954	N 48 0 51 E	119.86
905 TO 906	S 8 25 10 W	129.12	929 TO 930	S 37 20 28 E	142.96	954 TO 955	N 89 56 11 E	101.45
906 TO 907	S 4 51 16 E	91.41	930 TO 931	S 63 42 15 E	123.34	955 TO 956	S 89 32 11 E	103.37
907 TO 908	S 15 53 16 W	154.85	931 TO 932	S 15 0 54 E	74.30	956 TO 957	S 33 20 20 E	148.04
908 TO 909	S 16 55 47 W	141.42	932 TO 933	S 6 37 24 W	89.18	957 TO 958	S 43 22 34 E	69.09
909 TO 910	S 1 39 13 E	142.03	933 TO 934	S 58 20 27 E	32.75	958 TO 959	S 81 28 55 E	124.20
910 TO 911	S 19 25 49 W	87.48	934 TO 935	S 31 46 23 E	59.61	959 TO 960	S 3 29 16 E	83.79
911 TO 912	S 26 35 34 W	94.73	935 TO 936	S 5 19 1 E	55.14	960 TO 961	S 62 9 21 W	88.66
912 TO 913	S 26 35 34 W	94.73	936 TO 937	S 7 36 3 E	92.68	961 TO 962	S 62 26 54 E	185.74
			937 TO 938	S 11 20 51 E	99.76	962 TO 963	S 2 32 31 E	64.39
			938 TO 939	N 45 33 13 E	166.40	963 TO 964	S 31 46 34 W	75.70
			939 TO 940	N 51 23 55 E	192.80	964 TO 965	S 55 34 21 W	197.15
			940 TO 941	N 59 23 58 E	115.06	965 TO 966	S 84 53 49 W	79.65

# LAKE ALMANOR



4510.2' CONTOUR LINE			4510.2' CONTOUR LINE		
POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
1020 TO 1021	N 12 20 42 W	74.28	1029A TO 1030	N 9 51 20 E	48.97
1021 TO 1022	N 5 22 37 W	162.97	1030 TO 1030A	N 13 15 39 E	51.13
1022 TO 1023	N 18 5 46 W	111.08	1030A TO 1031	N 26 27 57 E	86.40
1023 TO 1024	N 13 59 43 W	100.67	1031 TO 1032	N 14 59 11 E	117.53
1024 TO 1025	N 13 41 13 W	137.67	1032 TO 1033	N 6 56 15 E	100.43
1025 TO 1026	N 1 8 33 W	90.37	1033 TO 1034	N 2 18 27 E	77.93
1026 TO 1027	N 11 41 6 E	78.58	1034 TO 1035	N 11 55 59 E	132.85
			1035 TO 1036	N 17 54 22 E	76.47
			1036 TO 1037	N 28 8 21 E	75.79
			1037 TO 1038	N 20 3 10 E	86.09
			1038 TO 1039	N 23 56 45 E	124.22
			1039 TO 1040	N 8 49 40 E	101.58
			1040 TO 1041	N 11 37 58 E	75.20
			1041 TO 1042	N 14 51 18 E	55.36
			1042 TO 1043	N 21 46 42 E	93.66
			1043 TO 1044	N 12 50 15 E	50.78
			1044 TO 1045	N 24 42 1 E	93.64
			1045 TO 1046	N 21 46 27 E	96.66
			1046 TO 1047	N 27 59 51 E	45.98
			1047 TO 1048	N 30 53 10 E	60.02
			1048 TO 1049	N 26 37 4 E	150.94
			1049 TO 1050	N 34 31 30 E	121.30
			1050 TO 1051	N 16 10 4 E	113.87
			1051 TO 1052	N 14 23 17 E	57.34
			1052 TO 1053	N 9 23 25 E	117.04
			1053 TO 1054	N 20 38 26 E	34.99
			1054 TO 1055	N 45 14 59 E	45.18
			1055 TO 1056	N 54 33 10 E	78.77
			1056 TO 1057	N 48 10 33 E	80.54
			1057 TO 1058	N 49 40 50 E	127.08
			1058 TO 1059	N 43 10 1 E	141.43
			1059 TO 1060	N 21 38 50 E	98.35
			1060 TO 1061	N 5 29 19 E	81.92
			1061 TO 1062	N 14 12 22 E	83.35
			1062 TO 1063	N 14 12 22 E	71.09
			1063 TO 1064	N 16 40 16 E	73.94
			1064 TO 1065	N 8 19 14 E	120.75
			1065 TO 1065A	N 2 0 51 E	72.93
			1065A TO 1066	N 10 56 24 E	56.02
			1066 TO 1066A	N 20 58 2 E	48.33
			1066A TO 1067	N 38 50 38 E	86.88
			1067 TO 1068	N 41 54 3 E	48.40
			1068 TO 1069	N 23 24 26 E	137.64
			1069 TO 1070	N 19 4 10 E	199.99
			1070 TO 1071	N 15 55 52 E	100.04
			1071 TO 1072	N 17 37 33 E	111.61
			1072 TO 1073	N 23 19 24 E	62.09
			1073 TO 1074	N 4 7 36 E	96.87
			1074 TO 1075	N 0 25 17 E	70.48
			1075 TO 1076	N 15 26 20 E	88.77

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002558.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R. V. Bettinger*  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-16  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

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Supersedes 332634

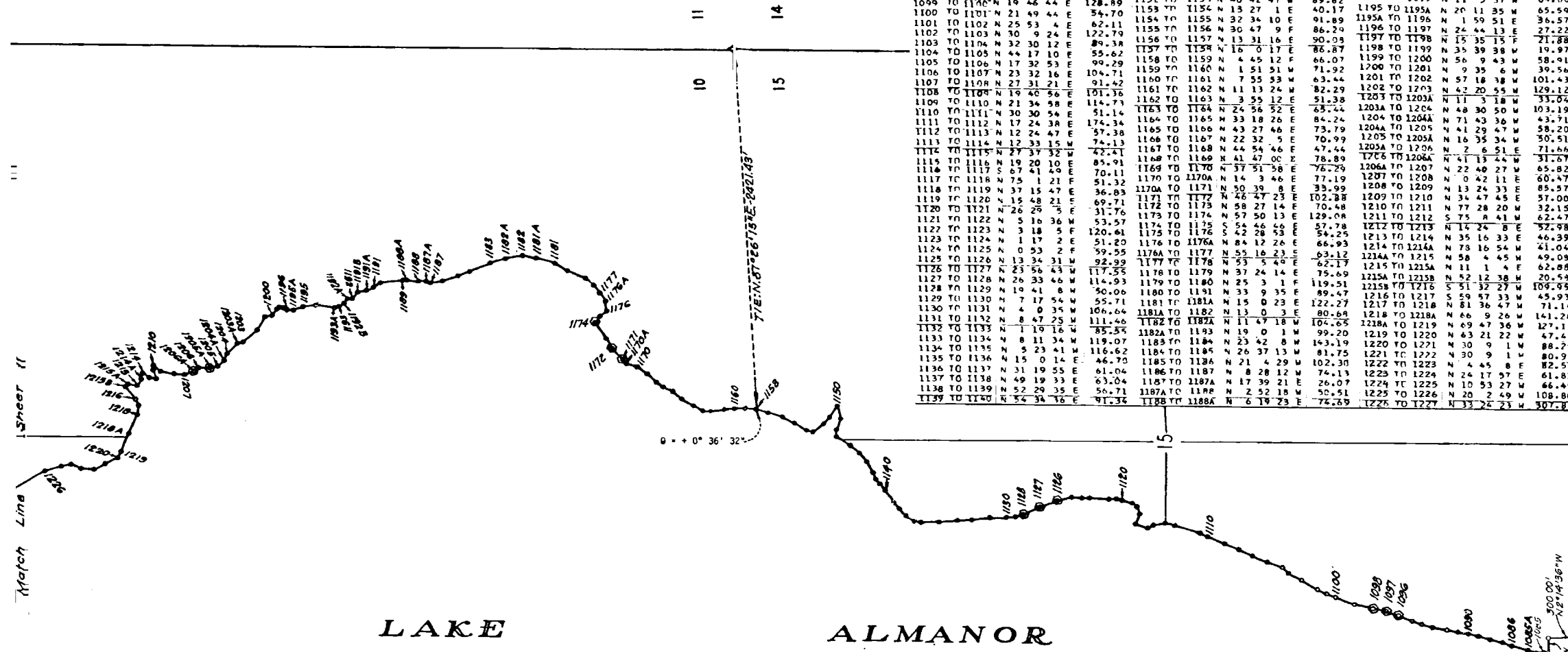
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T.27N.R.8E.M.D.B.&M.

4510 2' CONTOUR LINE			
POINT TO POINT	BEARING	DISTANCE FEET	
1044 TO 1045	N 21 40 48 E	24.72	
1045 TO 1045A	N 6 46 55 E	95.00	
1045A TO 1046	N 15 0 5 E	99.62	
1046 TO 1047	N 21 32 13 E	63.76	

4510 2' CONTOUR LINE								
POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
1087 TO 1088	N 13 10 32 E	87.41	1140 TO 1141	N 62 32 9 E	53.15	1188A TO 1189	N 21 26 26 W	16.88
1088 TO 1089	N 11 41 44 E	77.02	1141 TO 1142	N 45 14 17 E	44.54	1189 TO 1190	N 9 18 36 W	146.36
1089 TO 1090	N 13 7 47 E	75.64	1142 TO 1143	N 75 40 29 E	45.25	1190 TO 1191	N 36 29 58 W	59.17
1090 TO 1091	N 9 6 13 E	70.17	1143 TO 1144	N 61 36 24 E	85.88	1191 TO 1191A	N 25 14 0 W	47.28
1091 TO 1092	N 11 7 0 E	67.15	1144 TO 1145	N 54 12 36 E	74.05	1191A TO 1192	N 15 59 55 W	52.40
1092 TO 1093	N 8 39 42 E	88.66	1145 TO 1146	N 39 1 28 E	72.37	1192 TO 1192A	N 4 58 13 W	35.30
1093 TO 1094	N 14 27 19 E	69.92	1146 TO 1147	N 35 36 27 E	105.06	1192A TO 1193	N 63 16 56 W	36.05
1094 TO 1095	N 20 10 26 E	66.27	1147 TO 1148	N 86 36 47 E	42.33	1193 TO 1193A	N 30 38 33 W	31.20
1095 TO 1096	N 23 17 30 E	95.46	1148 TO 1149	N 72 50 9 E	76.93	1193A TO 1194	N 18 29 1 W	30.76
1096 TO 1097	N 19 55 41 E	84.17	1149 TO 1150	N 76 51 44 E	81.74	1194 TO 1195	N 6 46 50 E	114.62
1097 TO 1098	N 13 43 54 E	73.69	1150 TO 1151	N 57 41 4 W	89.95	1195 TO 1195A	N 11 5 37 W	64.80
1098 TO 1099	N 11 42 45 E	118.20	1151 TO 1152	N 52 35 14 W	49.85	1195A TO 1196	N 20 11 35 W	65.57
1099 TO 1100	N 19 46 44 E	128.89	1152 TO 1153	N 40 42 47 W	89.62	1196 TO 1197	N 24 44 13 E	27.22
1100 TO 1101	N 21 49 44 E	54.70	1153 TO 1154	N 13 27 1 E	40.17	1197 TO 1198	N 15 35 15 E	21.88
1101 TO 1102	N 25 53 4 E	62.11	1154 TO 1155	N 32 34 10 E	91.89	1198 TO 1199	N 35 39 38 W	19.97
1102 TO 1103	N 30 9 24 E	122.79	1155 TO 1156	N 30 47 9 E	86.24	1199 TO 1200	N 56 9 43 W	58.91
1103 TO 1104	N 32 30 12 E	89.38	1156 TO 1157	N 13 31 16 E	90.05	1200 TO 1201	N 7 35 6 W	39.56
1104 TO 1105	N 44 17 10 E	55.62	1157 TO 1158	N 16 0 17 E	86.87	1201 TO 1202	N 57 18 48 W	101.43
1105 TO 1106	N 17 32 53 E	99.29	1158 TO 1159	N 4 45 12 E	66.07	1202 TO 1203	N 42 20 55 W	129.12
1106 TO 1107	N 23 32 16 E	104.71	1159 TO 1160	N 1 51 51 W	71.92	1203 TO 1203A	N 11 18 18 W	33.04
1107 TO 1108	N 27 31 21 E	91.42	1160 TO 1161	N 7 55 53 W	83.44	1203A TO 1204	N 48 30 50 W	103.19
1108 TO 1109	N 19 40 56 E	101.76	1161 TO 1162	N 11 13 24 W	82.29	1204 TO 1204A	N 41 29 47 W	58.20
1109 TO 1110	N 21 36 58 E	114.73	1162 TO 1163	N 3 55 12 E	70.99	1204A TO 1205	N 16 35 34 W	50.51
1110 TO 1111	N 30 30 54 E	51.14	1163 TO 1164	N 24 56 52 E	65.44	1205 TO 1205A	N 2 6 51 E	71.66
1111 TO 1112	N 17 24 38 E	174.34	1164 TO 1165	N 33 18 26 E	84.24	1205A TO 1206	N 41 13 44 W	31.87
1112 TO 1113	N 12 24 47 E	57.38	1165 TO 1166	N 43 27 46 E	73.79	1206 TO 1207	N 22 40 27 W	65.82
1113 TO 1114	N 12 33 15 W	74.13	1166 TO 1167	N 22 32 5 E	70.99	1207 TO 1208	N 0 42 11 E	60.47
1114 TO 1115	N 27 37 32 W	42.41	1167 TO 1168	N 44 54 46 E	47.44	1208 TO 1209	N 13 24 33 E	85.57
1115 TO 1116	N 19 20 10 W	85.91	1168 TO 1169	N 41 47 00 E	76.89	1209 TO 1210	N 34 47 45 E	57.00
1116 TO 1117	N 5 67 41 49 E	70.11	1169 TO 1170	N 37 51 58 E	76.29	1210 TO 1211	N 77 28 20 W	32.15
1117 TO 1118	N 75 1 21 E	51.32	1170 TO 1170A	N 14 3 46 E	77.19	1211 TO 1212	N 5 75 8 41 W	62.47
1118 TO 1119	N 37 15 47 E	36.85	1170A TO 1171	N 50 39 8 E	33.99	1212 TO 1213	N 14 24 8 E	82.98
1119 TO 1120	N 15 48 21 E	69.71	1171 TO 1172	N 46 47 23 E	102.88	1213 TO 1214	N 35 16 33 E	46.39
1120 TO 1121	N 26 29 5 E	31.76	1172 TO 1173	N 58 27 18 E	70.48	1214 TO 1214A	N 78 16 54 W	41.04
1121 TO 1122	N 5 16 36 W	53.57	1173 TO 1174	N 57 50 13 E	129.08	1214A TO 1215	N 58 4 45 W	49.09
1122 TO 1123	N 3 18 5 E	120.61	1174 TO 1175	N 54 46 46 E	57.78	1215 TO 1215A	N 11 1 4 E	62.88
1123 TO 1124	N 1 17 2 E	51.20	1175 TO 1176	N 42 28 53 E	54.25	1215A TO 1216	N 52 12 38 W	20.59
1124 TO 1125	N 0 53 2 E	92.99	1176 TO 1177	N 84 12 26 E	66.93	1216 TO 1217	N 51 32 27 W	109.95
1125 TO 1126	N 13 34 31 W	92.99	1177 TO 1178	N 53 5 49 E	62.17	1217 TO 1218	N 59 47 33 W	45.93
1126 TO 1127	N 23 56 43 W	117.55	1178 TO 1179	N 37 24 14 E	75.69	1218 TO 1219	N 66 9 26 W	141.28
1127 TO 1128	N 26 33 46 W	114.93	1179 TO 1180	N 25 3 1 F	119.51	1219 TO 1220	N 69 47 36 W	127.11
1128 TO 1129	N 19 41 8 W	50.06	1180 TO 1181	N 33 9 35 E	89.47	1220 TO 1221	N 63 21 22 W	47.48
1129 TO 1130	N 7 17 54 W	55.71	1181 TO 1182	N 15 0 23 E	122.27	1221 TO 1222	N 30 9 1 W	88.29
1130 TO 1131	N 4 0 35 W	106.64	1182 TO 1183	N 13 0 3 E	80.64	1222 TO 1223	N 4 45 8 E	80.93
1131 TO 1132	N 4 8 25 W	111.46	1183 TO 1184	N 11 47 18 W	104.65	1223 TO 1224	N 24 17 57 E	61.83
1132 TO 1133	N 19 16 4 W	85.55	1184 TO 1185	N 19 0 1 W	99.20	1224 TO 1225	N 10 53 27 W	66.49
1133 TO 1134	N 8 11 34 W	119.07	1185 TO 1186	N 23 42 8 W	143.19	1225 TO 1226	N 20 2 49 W	108.80
1134 TO 1135	N 5 23 41 W	116.62	1186 TO 1187	N 26 37 13 W	81.75	1226 TO 1227	N 33 24 23 W	307.63
1135 TO 1136	N 15 0 14 E	46.70	1187 TO 1188	N 21 4 29 W	102.30			
1136 TO 1137	N 31 19 55 E	61.04	1188 TO 1189	N 8 28 12 E	74.13			
1137 TO 1138	N 49 19 33 E	63.04	1189 TO 1190	N 17 39 21 E	26.07			
1138 TO 1139	N 52 29 35 E	56.71	1190 TO 1191	N 2 52 18 W	50.51			
1139 TO 1140	N 54 34 76 E	41.34	1191 TO 1192	N 6 19 23 E	74.29			



LAKE ALMANOR

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors

*R.V. Bettinger*  
 CHIEF CIVIL ENGINEER

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002603.

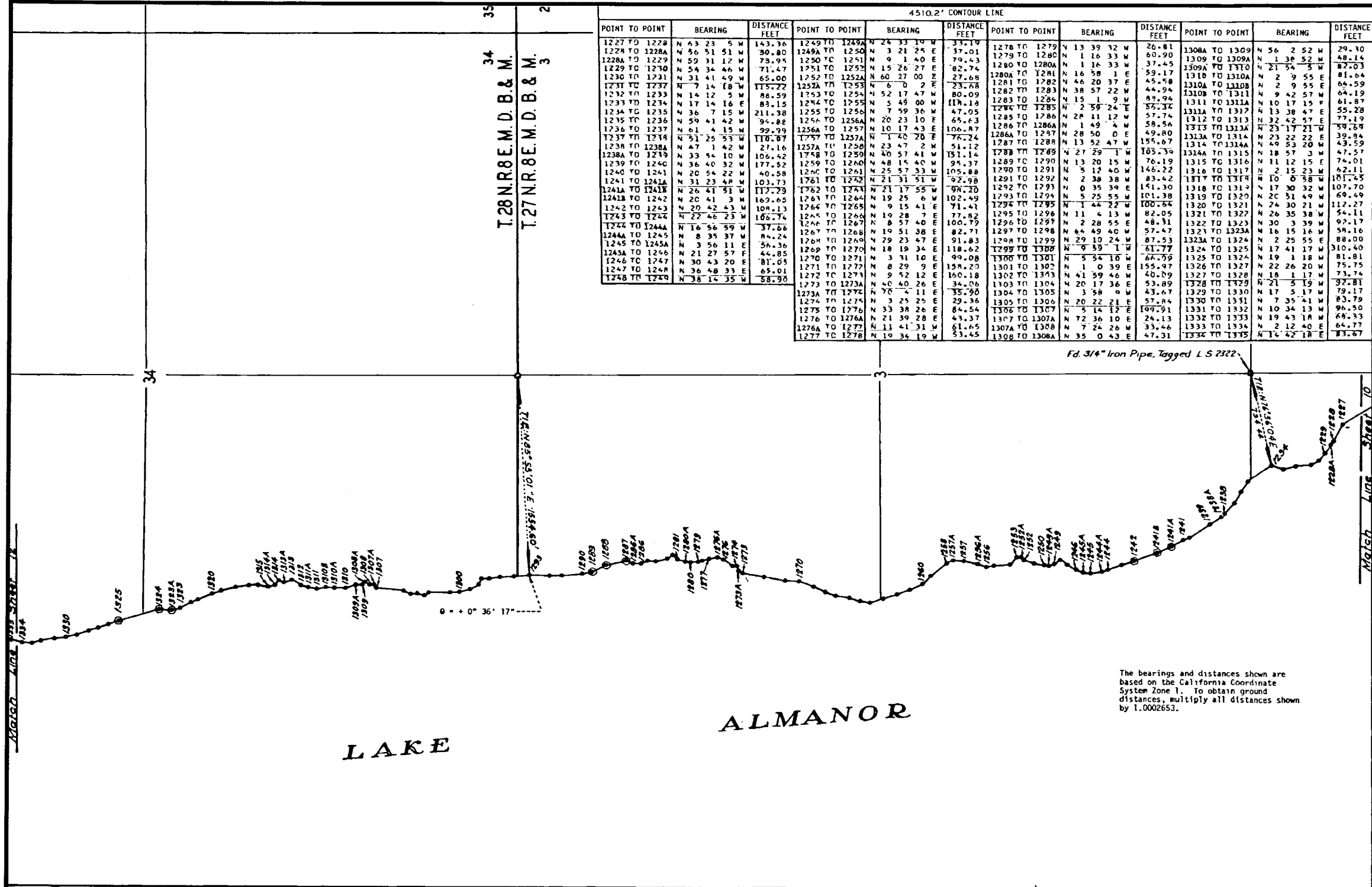
ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-17  
 GENERAL MAP  
 PROJECT BOUNDARY  
 LAKE ALMANOR  
 PACIFIC GAS AND ELECTRIC CO.

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POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
1227 TO 1228	N 63 23 5 W	143.36	1249 TO 1249A	N 24 33 10 W	37.17	1278 TO 1279	N 13 39 32 W	26.81	1308A TO 1309	N 56 2 52 W	29.30
1228 TO 1228A	N 56 51 51 W	30.80	1249A TO 1250	N 3 21 24 E	37.01	1279 TO 1280	N 1 16 33 W	60.90	1309 TO 1309A	N 1 30 52 W	48.14
1228A TO 1229	N 59 31 17 W	73.95	1250 TO 1251	N 9 1 40 E	79.43	1280 TO 1280A	N 1 16 33 W	37.45	1309A TO 1310	N 21 54 5 W	82.03
1229 TO 1230	N 54 34 46 W	71.47	1251 TO 1252	N 15 26 27 E	82.74	1280A TO 1281	N 16 58 1 E	59.17	1310 TO 1310A	N 2 9 55 E	81.64
1230 TO 1231	N 31 41 49 W	65.00	1252 TO 1252A	N 60 27 00 E	27.68	1281 TO 1282	N 46 20 37 E	45.58	1310A TO 1310B	N 2 9 55 E	64.59
1231 TO 1232	N 7 14 18 W	115.22	1252A TO 1253	N 6 0 2 E	23.68	1282 TO 1283	N 38 57 22 W	44.94	1310B TO 1311	N 9 42 57 W	64.19
1232 TO 1233	N 14 12 5 W	88.59	1253 TO 1254	N 52 17 47 W	80.09	1283 TO 1284	N 15 1 9 W	83.94	1311 TO 1311A	N 10 17 15 E	61.87
1233 TO 1234	N 17 14 16 E	83.15	1254 TO 1255	N 5 49 00 W	118.18	1284 TO 1285	N 2 59 24 E	55.34	1311A TO 1312	N 13 38 47 E	55.28
1234 TO 1235	N 36 7 15 W	211.38	1255 TO 1256	N 7 59 36 W	47.05	1285 TO 1286	N 26 11 12 W	57.74	1312 TO 1313	N 32 42 57 E	77.19
1235 TO 1236	N 59 41 42 W	94.86	1256 TO 1256A	N 20 23 10 E	65.43	1286 TO 1286A	N 1 49 4 W	58.56	1313 TO 1313A	N 23 17 21 W	59.78
1236 TO 1237	N 61 4 15 W	99.99	1256A TO 1257	N 10 17 43 E	106.47	1286A TO 1287	N 28 50 0 E	49.80	1313A TO 1314	N 23 22 22 E	39.84
1237 TO 1238	N 51 25 53 W	110.07	1257 TO 1257A	N 1 40 20 E	76.24	1287 TO 1288	N 13 52 47 W	155.67	1314 TO 1314A	N 49 53 20 W	43.59
1238 TO 1238A	N 47 1 42 W	27.16	1257A TO 1258	N 23 47 2 W	51.12	1288 TO 1289	N 27 29 1 W	103.79	1314A TO 1315	N 18 57 3 W	47.57
1238A TO 1239	N 33 54 10 W	106.42	1258 TO 1259	N 40 57 41 W	151.14	1289 TO 1290	N 13 20 15 W	76.19	1315 TO 1316	N 11 12 15 E	74.01
1239 TO 1240	N 36 40 32 W	177.52	1259 TO 1260	N 48 15 40 W	95.37	1290 TO 1291	N 5 12 40 W	146.22	1316 TO 1317	N 2 15 23 W	62.11
1240 TO 1241	N 20 54 22 W	40.58	1260 TO 1261	N 25 57 33 W	105.88	1291 TO 1292	N 2 38 38 W	83.42	1317 TO 1318	N 10 0 58 W	181.45
1241 TO 1241A	N 31 23 48 W	103.73	1261 TO 1262	N 21 31 51 W	92.98	1292 TO 1293	N 0 35 39 E	151.30	1318 TO 1319	N 17 30 32 W	107.70
1241A TO 1242	N 25 41 51 W	112.23	1262 TO 1263	N 21 17 55 W	98.70	1293 TO 1294	N 5 25 55 W	101.38	1319 TO 1320	N 20 51 49 W	69.49
1242 TO 1243	N 20 41 3 W	162.65	1263 TO 1264	N 19 25 6 W	102.49	1294 TO 1295	N 1 44 22 W	100.64	1320 TO 1321	N 24 30 21 W	112.27
1243 TO 1244	N 22 46 23 W	166.74	1264 TO 1265	N 19 28 7 E	77.82	1295 TO 1296	N 11 4 13 W	82.05	1321 TO 1322	N 26 35 38 W	54.11
1244 TO 1244A	N 16 56 59 W	37.66	1265 TO 1266	N 8 57 40 E	100.79	1296 TO 1297	N 2 28 55 E	48.31	1322 TO 1323	N 30 3 39 W	92.17
1244A TO 1245	N 8 35 37 W	84.24	1266 TO 1267	N 19 51 38 E	82.71	1297 TO 1298	N 64 49 40 W	57.47	1323 TO 1324	N 16 15 16 W	58.16
1245 TO 1245A	N 3 56 11 E	56.36	1267 TO 1268	N 29 23 47 E	91.83	1298 TO 1299	N 29 10 24 W	87.53	1324 TO 1325	N 2 25 55 E	88.00
1245A TO 1246	N 21 27 57 E	44.85	1268 TO 1269	N 18 19 34 E	118.62	1299 TO 1300	N 9 53 1 W	61.77	1325 TO 1326	N 17 41 17 W	310.40
1246 TO 1247	N 30 43 20 E	81.05	1269 TO 1270	N 3 31 10 E	99.08	1300 TO 1301	N 5 54 10 W	66.79	1326 TO 1327	N 19 1 18 W	81.81
1247 TO 1248	N 36 48 33 E	65.01	1270 TO 1271	N 8 29 9 E	158.20	1301 TO 1302	N 1 0 39 E	155.97	1327 TO 1328	N 22 26 20 W	75.75
1248 TO 1249	N 38 14 35 W	58.90	1271 TO 1272	N 9 52 12 E	160.18	1302 TO 1303	N 41 59 46 W	40.09	1328 TO 1329	N 18 1 17 W	73.74
			1272 TO 1273	N 40 40 26 E	34.06	1303 TO 1304	N 20 17 36 E	53.89	1329 TO 1330	N 21 5 19 W	92.81
			1273 TO 1274	N 70 4 11 E	35.90	1304 TO 1305	N 3 58 0 W	43.67	1330 TO 1331	N 17 5 17 W	79.17
			1274 TO 1275	N 3 25 25 E	29.36	1305 TO 1306	N 20 22 21 E	57.84	1331 TO 1332	N 7 35 41 W	83.79
			1275 TO 1276	N 33 38 26 E	84.54	1306 TO 1307	N 5 14 17 E	109.91	1332 TO 1333	N 10 34 13 W	96.50
			1276 TO 1276A	N 21 39 28 E	43.37	1307 TO 1307A	N 72 36 10 E	24.13	1333 TO 1334	N 19 43 18 W	64.33
			1276A TO 1277	N 11 41 31 W	61.45	1307A TO 1308	N 7 24 26 W	33.46	1334 TO 1335	N 2 12 40 E	64.77
			1277 TO 1278	N 19 34 19 W	53.45	1308 TO 1308A	N 35 0 43 E	47.31			

Fd. 3/4" Iron Pipe, Tagged L S 2322

LAKE

ALMANOR

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002653.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

R.V. Bettinger  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

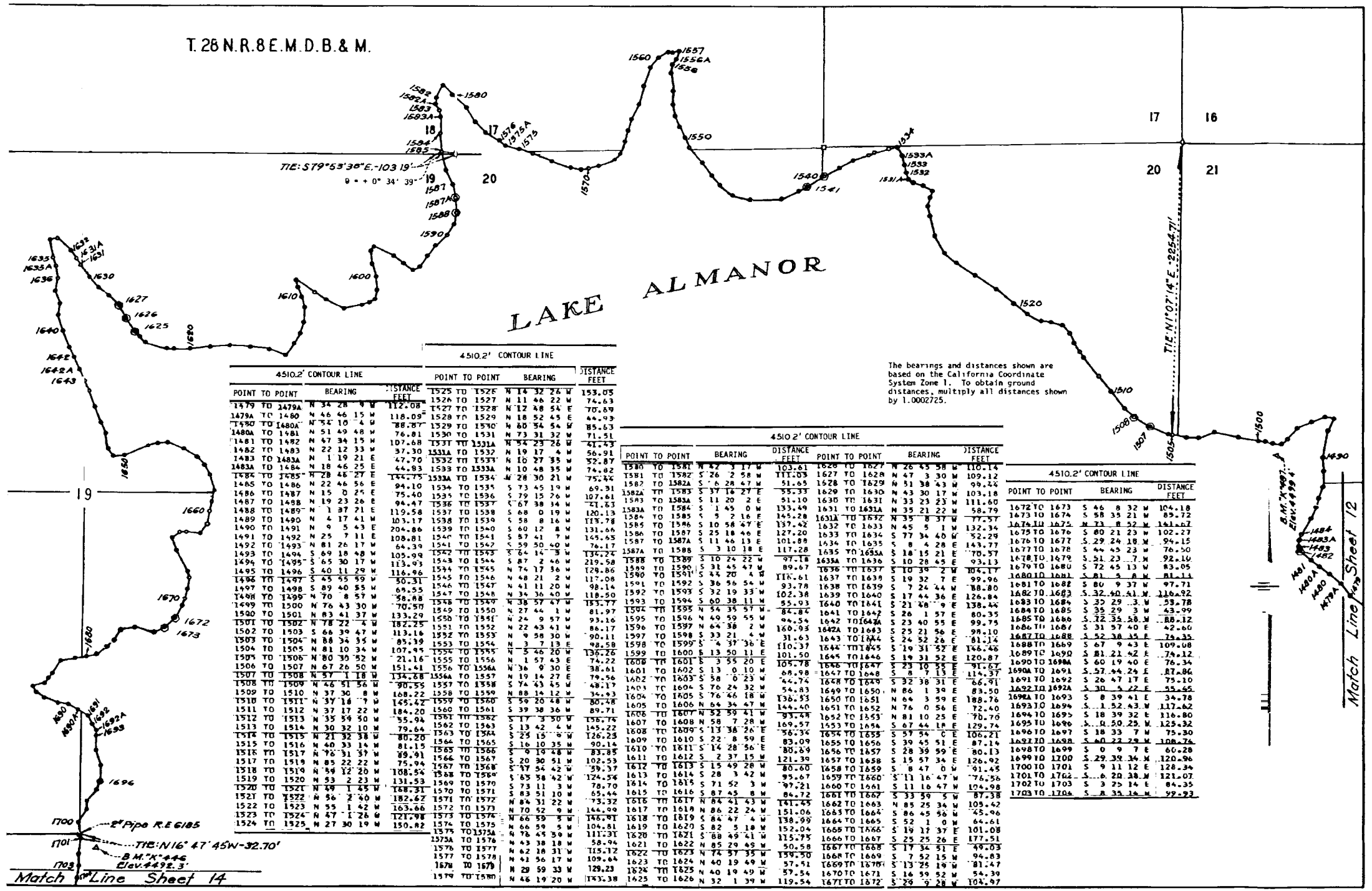
EXHIBIT G-18  
GENERAL MAP  
PROJECT BOUNDARY  
LAKE ALMANOR  
PACIFIC GAS AND ELECTRIC CO.

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The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002725.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R.V. Battings*  
 CHIEF CIVIL ENGINEER

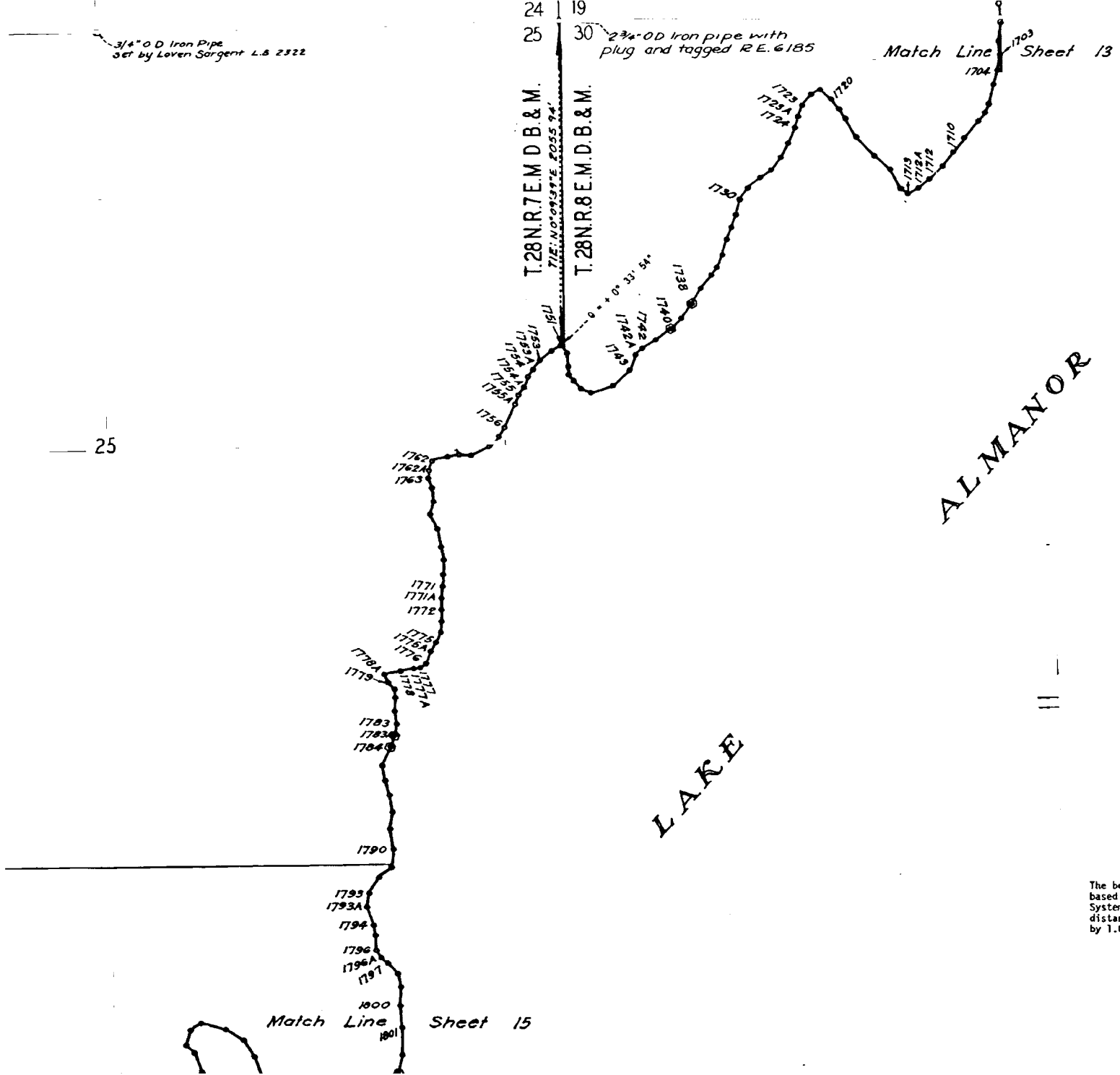
ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-20**  
**GENERAL MAP**  
**PROJECT BOUNDARY**  
**LAKE ALMANOR**  
**PACIFIC GAS AND ELECTRIC CO.**



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4510' CONTOUR LINE

POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
1704 TO 1705	S 13 18 10 W	96.59	1759 TO 1760	S 89 31 49 W	73.57
1705 TO 1706	S 12 18 7 W	130.95	1760 TO 1761	S 84 26 16 W	73.41
1706 TO 1707	S 19 29 40 W	66.77	1761 TO 1762	S 74 22 11 W	91.30
1707 TO 1708	S 37 4 33 W	66.13	1762 TO 1763	S 16 56 28 W	65.76
1708 TO 1709	S 38 35 40 W	126.13	1763 TO 1764	S 3 28 18 W	50.99
1709 TO 1710	S 36 0 13 W	112.35	1764 TO 1765	S 24 15 29 E	67.24
1710 TO 1711	S 34 36 12 W	102.78	1765 TO 1766	S 5 1 48 E	85.63
1711 TO 1712	S 44 26 20 W	116.30	1766 TO 1767	S 15 1 40 W	80.12
1712 TO 1713	S 49 26 54 W	86.35	1767 TO 1768	S 26 40 45 E	98.97
1713 TO 1714	S 59 29 31 W	69.49	1768 TO 1769	S 10 59 37 E	118.72
1714 TO 1715	N 53 54 20 W	47.70	1769 TO 1770	S 9 33 6 E	84.68
1715 TO 1716	N 27 50 27 W	132.29	1770 TO 1771	S 5 1 34 W	99.49
1716 TO 1717	N 48 20 51 W	133.10	1771 TO 1772	S 1 1 1 1 W	70.47
1717 TO 1718	N 44 7 51 W	154.91	1772 TO 1773	S 4 39 34 W	70.40
1718 TO 1719	N 27 48 57 W	136.41	1773 TO 1774	S 0 35 0 E	76.44
1719 TO 1720	N 31 55 40 W	77.25	1774 TO 1775	S 0 33 46 W	48.17
1720 TO 1721	N 33 58 39 W	74.81	1775 TO 1776	S 3 17 16 W	70.97
1721 TO 1722	N 47 56 8 W	98.12	1776 TO 1777	S 26 47 4 W	62.88
1722 TO 1723	S 59 27 31 W	62.24	1777 TO 1778	S 23 42 4 W	71.62
1723 TO 1724	S 33 9 11 W	84.57	1778 TO 1779	S 19 50 30 W	78.79
1724 TO 1725	S 20 5 0 W	77.17	1779 TO 1780	S 50 9 54 W	40.82
1725 TO 1726	S 14 53 26 W	74.78	1780 TO 1781	S 87 2 18 W	35.69
1726 TO 1727	S 20 49 16 W	101.24	1781 TO 1782	S 75 42 42 W	88.32
1727 TO 1728	S 22 21 20 W	102.08	1782 TO 1783	S 77 49 43 W	98.84
1728 TO 1729	S 38 54 29 W	98.73	1783 TO 1784	S 21 3 28 E	56.97
1729 TO 1730	S 52 29 11 W	82.35	1784 TO 1785	S 43 6 36 E	61.68
1730 TO 1731	S 47 1 7 W	90.80	1785 TO 1786	S 4 35 33 E	44.87
1731 TO 1732	S 35 6 13 W	90.84	1786 TO 1787	S 2 19 2 W	89.49
1732 TO 1733	S 12 51 40 W	97.62	1787 TO 1788	S 9 27 6 E	82.65
1733 TO 1734	S 15 12 42 W	82.85	1788 TO 1789	S 7 27 36 W	66.98
1734 TO 1735	S 21 26 16 W	80.87	1789 TO 1790	S 19 32 15 W	75.44
1735 TO 1736	S 15 1 41 W	103.86	1790 TO 1791	S 21 24 46 W	101.04
1736 TO 1737	S 19 55 0 W	80.90	1791 TO 1792	S 11 42 7 E	95.00
1737 TO 1738	S 36 27 44 W	57.03	1792 TO 1793	S 15 21 10 E	96.29
1738 TO 1739	S 37 14 44 W	104.39	1793 TO 1794	S 9 50 6 E	109.14
1739 TO 1740	S 27 51 37 W	113.91	1794 TO 1795	S 8 36 6 W	103.44
1740 TO 1741	S 33 53 12 W	110.44	1795 TO 1796	S 7 18 5 E	137.35
1741 TO 1742	S 42 32 19 W	87.01	1796 TO 1797	S 9 18 37 W	116.09
1742 TO 1743	S 51 35 56 W	117.60	1797 TO 1798	S 9 1 10 W	95.27
1743 TO 1744	S 58 21 31 W	92.76	1798 TO 1799	S 29 35 38 W	118.57
1744 TO 1745	S 35 26 13 W	55.17	1799 TO 1800	S 8 25 51 W	86.90
1745 TO 1746	S 19 28 30 W	99.67	1800 TO 1801	S 20 4 27 E	120.63
1746 TO 1747	S 44 14 35 W	146.16			
1747 TO 1748	S 71 3 24 W	135.61			
1748 TO 1749	N 66 0 20 W	64.97			
1749 TO 1750	N 43 23 51 W	65.09			
1750 TO 1751	N 37 18 23 W	48.89			
1751 TO 1752	N 2 5 11 W	55.01			
1752 TO 1753	N 7 44 37 W	82.24			
1753 TO 1754	N 39 18 38 W	63.22			
1754 TO 1755	S 53 38 57 W	66.61			
1755 TO 1756	S 47 54 23 W	82.26			
1756 TO 1757	S 35 11 28 W	73.60			
1757 TO 1758	S 27 16 51 W	47.91			
1758 TO 1759	S 22 44 48 W	72.09			
1759 TO 1760	S 30 18 24 W	44.13			
1760 TO 1761	S 18 23 44 W	60.29			
1761 TO 1762	S 22 27 7 W	151.23			
1762 TO 1763	S 28 32 37 W	83.94			
1763 TO 1764	S 44 18 20 W	83.32			
1764 TO 1765	S 40 14 14 W	172.64			

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002696.

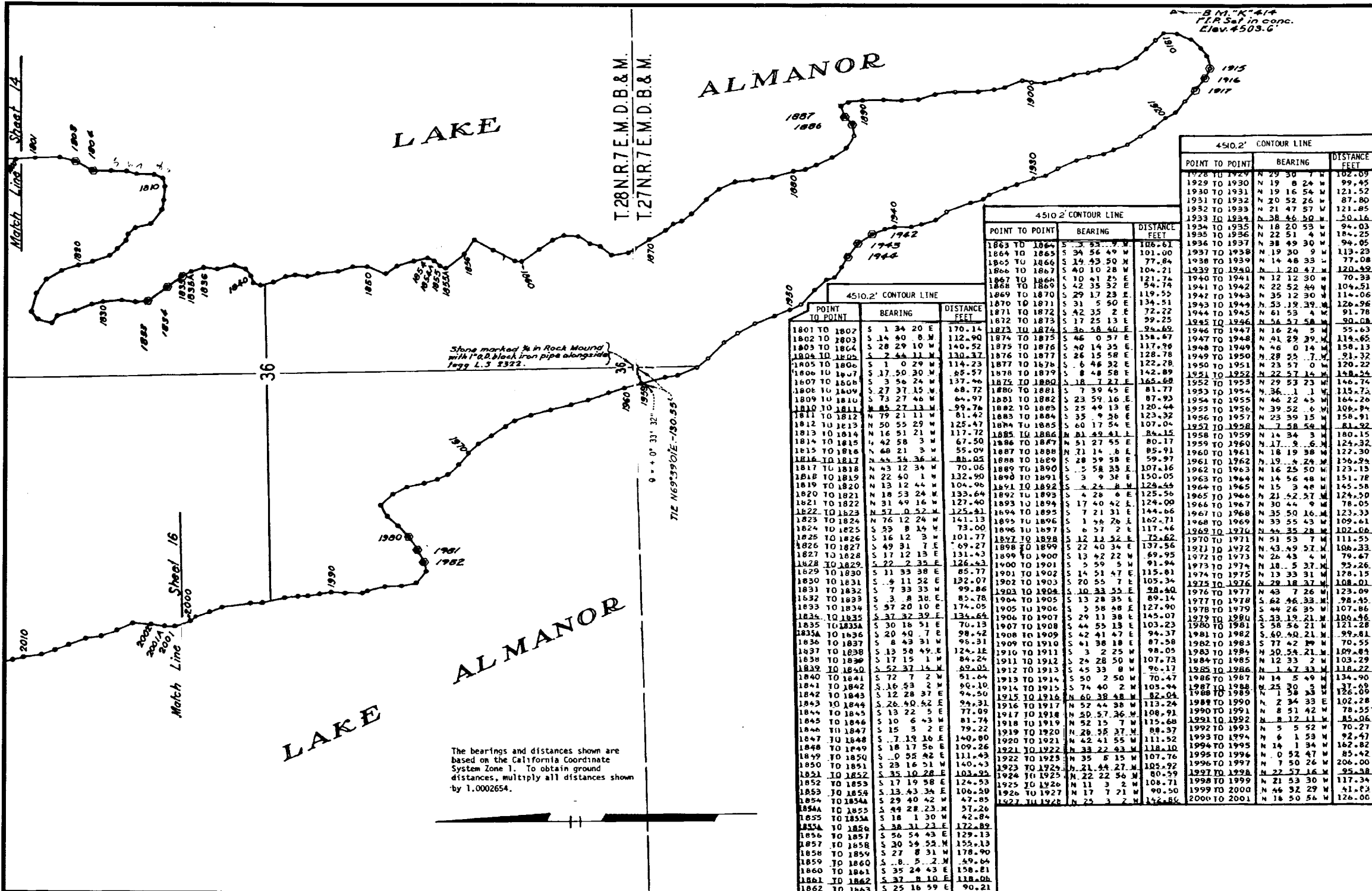
This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors.

*R.V. Bettinger*  
CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.  
**EXHIBIT G-21**  
**GENERAL MAP**  
**PROJECT BOUNDARY**  
**LAKE ALMANOR**  
**PACIFIC GAS AND ELECTRIC CO.**

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*R.V. Bethune*  
 CHIEF CIVIL ENGINEER

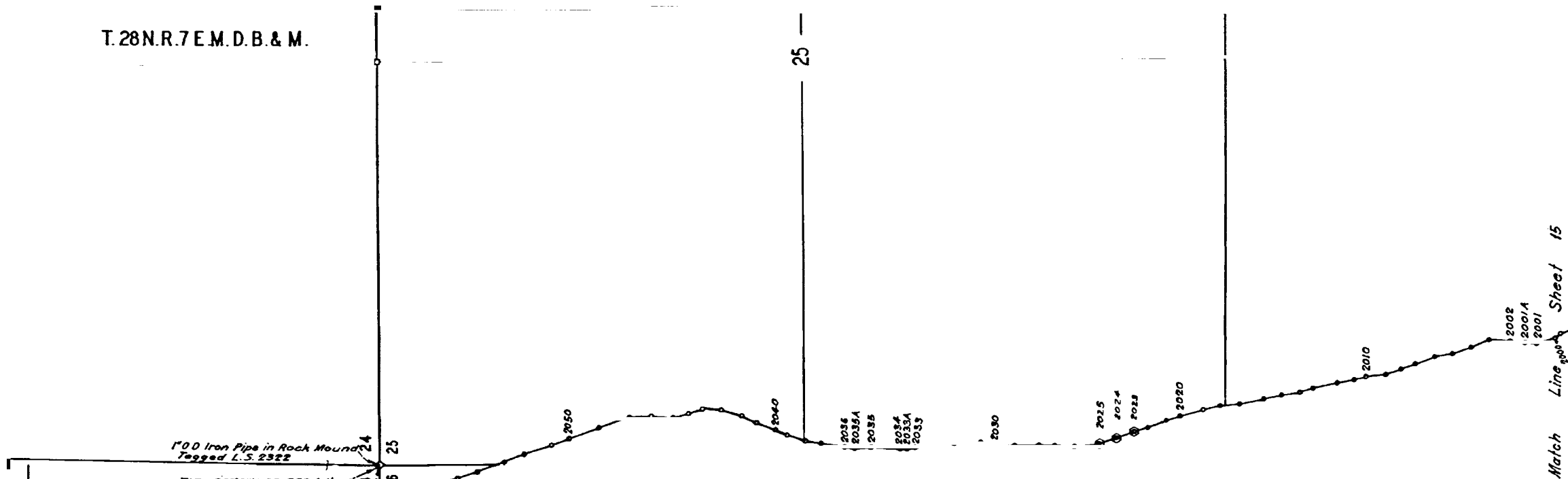
ELEVATIONS ARE BASED ON NGVD DATUM.

**EXHIBIT G-22  
 GENERAL MAP  
 PROJECT BOUNDARY  
 LAKE ALMANOR  
 PACIFIC GAS AND ELECTRIC CO.**

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T.28N.R.7E.M.D.B.&M.



Match Line Sheet 17  
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4510.2' CONTOUR LINE

POINT TO POINT	BEARING	DISTANCE FEET	POINT TO POINT	BEARING	DISTANCE FEET
2001 TO 2001A	N 3 5 34 E	71.39	2036 TO 2037	N 7 38 17 E	148.61
2001A TO 2002	N 7 7 9 E	93.33	2037 TO 2038	N 6 12 45 E	101.43
2002 TO 2003	N 3 45 34 E	133.41	2038 TO 2039	N 18 23 3 E	128.48
2003 TO 2004	N 25 36 35 W	126.23	2039 TO 2040	N 21 11 8 E	129.42
2004 TO 2005	N 20 58 29 W	119.69	2040 TO 2041	N 23 15 39 E	126.95
2005 TO 2006	N 11 52 44 W	111.90	2041 TO 2042	N 26 9 13 E	97.65
2006 TO 2007	N 21 51 41 W	133.73	2042 TO 2043	N 15 44 14 E	135.06
2007 TO 2008	N 20 59 29 W	99.78	2043 TO 2044	N 2 59 41 E	113.55
2008 TO 2009	N 20 12 27 W	103.22	2044 TO 2045	N 22 5 42 W	91.33
2009 TO 2010	N 8 17 56 W	129.26	2045 TO 2046	N 18 31 7 W	102.43
2010 TO 2011	N 13 45 34 W	76.70	2046 TO 2047	N 3 43 42 E	135.06
2011 TO 2012	N 13 30 3 W	107.12	2047 TO 2048	N 3 26 14 W	125.77
2012 TO 2013	N 13 12 33 W	155.86	2048 TO 2049	N 20 32 10 W	202.18
2013 TO 2014	N 19 35 12 W	85.90	2049 TO 2050	N 22 2 12 W	202.85
2014 TO 2015	N 11 40 31 W	116.45	2050 TO 2051	N 23 7 13 W	124.27
2015 TO 2016	N 11 54 31 W	113.11	2051 TO 2052	N 19 57 9 W	180.26
2016 TO 2017	N 13 52 34 W	155.14	2052 TO 2053	N 24 44 1 W	139.73
2017 TO 2018	N 6 59 25 W	119.49	2053 TO 2054	N 22 47 13 W	183.71
2018 TO 2019	N 15 9 23 W	108.51	2054 TO 2055	N 20 7 9 W	135.11
2019 TO 2020	N 16 39 13 W	144.22	2055 TO 2056	N 14 26 31 W	137.66
2020 TO 2021	N 17 43 54 W	90.11	2056 TO 2057	N 16 47 4 W	224.31
2021 TO 2022	N 22 24 0 W	128.10	2057 TO 2058	N 15 47 29 W	174.28
2022 TO 2023	N 19 29 5 W	91.49	2058 TO 2059	N 15 14 0 W	116.80
2023 TO 2024	N 21 17 31 W	113.08	2059 TO 2060	N 15 52 46 W	181.79
2024 TO 2025	N 20 6 53 W	117.17	2060 TO 2061	N 38 5 20 W	163.54
2025 TO 2026	N 8 30 7 W	150.06	2061 TO 2062	N 39 32 51 W	112.47
2026 TO 2027	N 2 22 10 E	130.18	2062 TO 2063	N 31 59 13 W	75.71
2027 TO 2028	N 0 14 36 E	103.31	2063 TO 2064	N 35 40 2 W	233.30
2028 TO 2029	N 2 17 42 W	152.65	2064 TO 2065	N 29 40 26 W	125.34
2029 TO 2030	N 2 15 46 E	127.81	2065 TO 2066	N 19 35 15 W	110.93
2030 TO 2031	N 5 48 40 E	80.57	2066 TO 2067	N 13 24 39 W	134.52
2031 TO 2032	N 3 4 44 W	165.60	2067 TO 2068	N 11 54 37 W	175.11
2032 TO 2033	N 4 31 47 W	242.25	2068 TO 2069	N 8 3 83 W	156.58
2033 TO 2034	N 16 28 47 W	53.54	2069 TO 2070	N 12 44 8 W	80.20
2034 TO 2035	N 5 47 00 E	42.45	2070 TO 2071	N 12 16 7 W	119.54
2035 TO 2036	N 2 48 10 E	185.15	2071 TO 2072	N 5 39 30 W	191.42
2036 TO 2037	N 5 19 2 W	105.31	2072 TO 2073	N 14 56 10 W	91.37
2037 TO 2038	N 10 30 22 E	59.11			

The bearings and distances shown are based on the California Coordinate System Zone 1. To obtain ground distances, multiply all distances shown by 1.0002699.

This map was accurately made under my direction and shows the location of the project in relation to United States Government land plats in accordance with surveys and maps made under my supervision or the supervision of my predecessors

*R. J. Bell*  
 CHIEF CIVIL ENGINEER

ELEVATIONS ARE BASED ON NGVD DATUM.

EXHIBIT G-23  
 GENERAL MAP  
 PROJECT BOUNDARY  
 LAKE ALMANOR  
 PACIFIC GAS AND ELECTRIC CO.



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