

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

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RESOLUTION: E-2037

EVALUATION & COMPLIANCE DIVISION

BRANCH: Energy

DATE: April 17, 1985

RETURN TO:

ENERGY BRANCH

ROOM 2011

RESOLUTION

AUTHORIZATION FOR PACIFIC GAS AND ELECTRIC COMPANY (PG&E) TO PROVIDE A TEMPORARY 230 KV TRANSMISSION TIE LINE BETWEEN MAJOR TRANSMISSION CIRCUITS IN ORDER TO USE AVAILABLE ENERGY FROM THE GEYSERS GENERATING UNITS TO MEET SUMMER PEAK DEMANDS

By Advice Letter 1070-E, filed April 1, 1985, PG&E requests authorization under Section 491 of the P.U.C. Code to install a temporary 230 kv transmission tie line of approximately 700 feet between its Lakeville-Sobrante line and its Dixon-Moraga line in order to utilize more inexpensive available Geysers generation to meet its 1985 summer peak demands. The facts are as follows:

1. By Application No. 59330, filed December 12, 1979, PG&E filed an application for a Certificate of Public Convenience and Necessity (CPCN) for a Lakeville to Sobrante 230 kv transmission line. By CPUC Order dated April 7, 1981, the Commission granted a CPCN to PG&E to construct, operate, maintain, rearrange, and use a double circuit 230 kv transmission line between Lakeville substation and its Sobrante substation along the adopted (proposed) route in the above proceeding, subject to the mitigation measures recommended in the Final Environmental Report contained within this opinion.
2. Because of anticipated 1985 summer peak demands in addition to the need to use more inexpensive Geysers generation, PG&E wishes to energize the Lakeville-Sobrante line as far as it is currently built (to the Vallejo or north side of the Carquinez Straits) and then to tie into the nearby existing Vaca-Dixon-Moraga line to cross the Straits to supply its customers. See Attachment 1 - Map 1 for geographical location.
3. This will serve as a temporary expedient for a period of up to one year designed to meet the summer peak demands as inexpensively as possible.
4. If the tie line is not used, PG&E will face the potential for summer curtailment from the Geysers of approximately 34MW because of existing line capacity limitations. The installation of the tie line would result in savings to PG&E's ratepayers of approximately \$500,000 to \$900,000 from May through August 1985 alone, dependent on the type of alternative generation available. An additional savings of \$42,000 in transmission line losses would occur as a result of the tie line installation.

5. PG&E believes that no special Commission permission is required for it to do the temporary tie because of its de minimis cost and temporary nature, and because it is a rearrangement. However, due to local community interest in the Lakeville-Sobrante line, PG&E filed a letter of intent to this Commission dated March 26, 1985, setting forth their intended actions and their supporting reasons. Together with the submittal of Advice Letter 1070-E, PG&E will move the Superior Court of Solano County to lift its injunction which presently prohibits energizing the Lakeville-Sobrante line. Copies of the advice letter and PG&E's notice of intent have been sent to the City Manager and the City Attorney of the City of Vallejo.

6. The geographic layout for the tie is briefly described as follows and is shown on Attachment 2 - Map 2 and photo Attachments 3, 4, and 5: The Lakeville-Sobrante line and right-of-way and the Vaca-Dixon Moraga right-of-way and line converge as they approach the Carquinez Straits. The tie (line A to C of Map-2) will form a 700 foot hypotenuse of a rough right angle triangle. The area enclosed by the triangle and between the two right-of-ways is at its widest 100 feet, and PG&E has obtained an easement from the property owner. The area is undeveloped land, a good portion of which is taken up by a large gully, and it was included in the corridor covered in the environmental reports for Lakeville-Sobrante Application No. 59330; e.g., Proponents Environmental Assessment, Figure VII-A2, Location 5; and Final Environmental Impact Report, (PUC/CEC) March 1981, Part II, Exhibit 1-2-3.

7. The total estimated cost of this 230 kV transmission tie line will be approximately \$10,000 to \$15,000.

8. Copies of this advice letter have been sent to all interested parties which appear on the attached service list to the advice letter. The Commission has received six letters and one telephone call from concerned residents in the Vallejo area protesting the energizing of the transmission line.

9. PG&E has stated to the staff that it will not energize this line until the injunction is lifted by the court.

10. This filing has been reviewed by the staffs of the Service and Safety Branch and of the Energy Branch and approval is recommended.

11. We find that this advice letter is just and reasonable and will not increase any rate or charge, cause a withdrawal of service, or conflict with any other schedules.

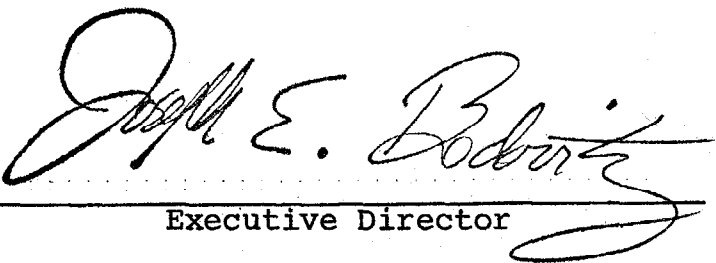
12. We find that special Commission permission for this type of tie line installation is not normally sought or required, but the Commission wishes to be cautious in this matter and to allow sufficient notice to the public and all parties concerned.

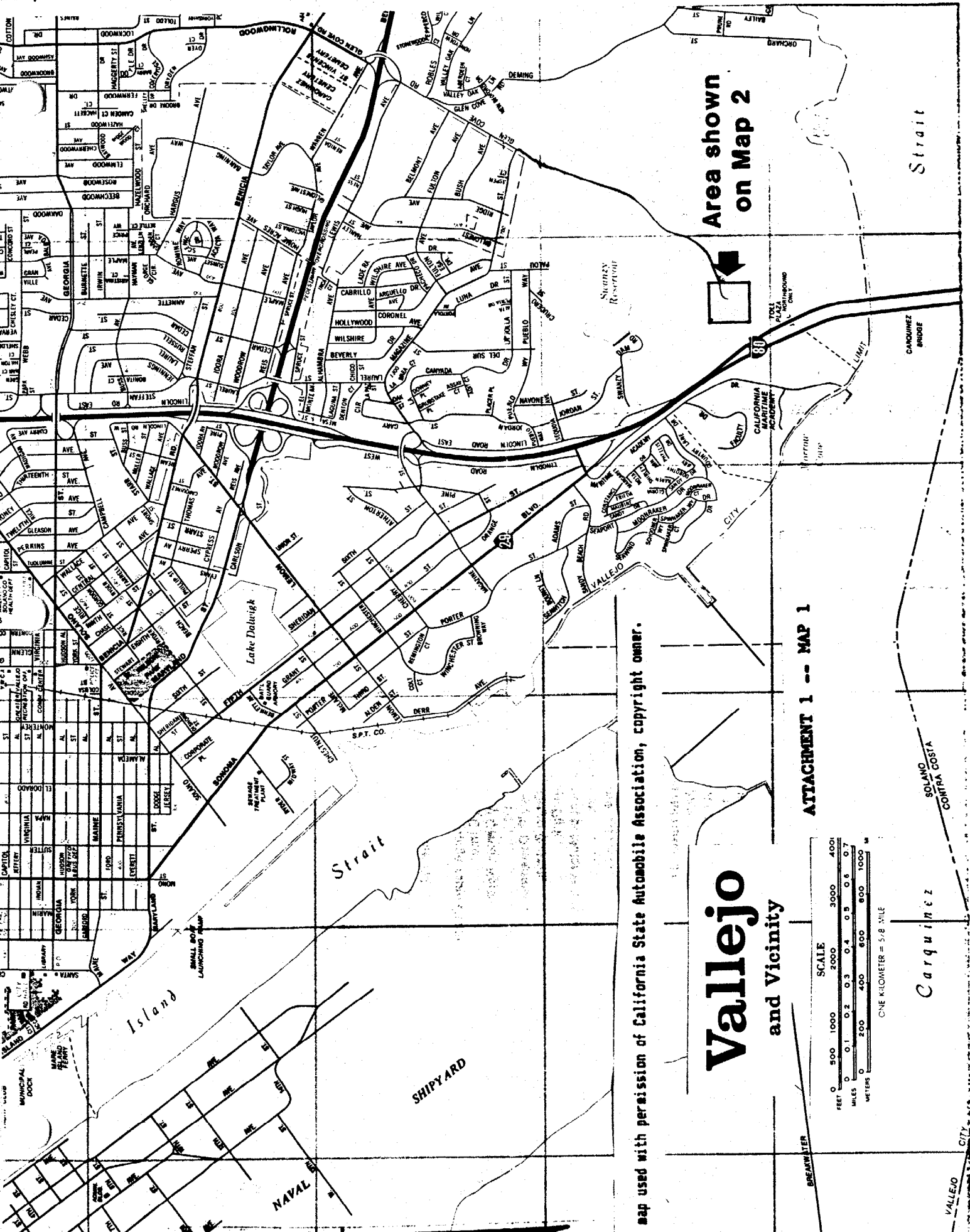
THEREFORE:

1. This filing shall become effective under Section 491 of the Public Utilities Code. The time period is less than the 30 days statutory notice because of the economic urgency which requires PG&E to have the tie in service at the start of the peak demand season, May 15, 1985, to save its customers between \$500,000 to \$900,000 this summer.
2. This filing shall become effective on 16 days' notice from the filing date of Advice Letter 1070-E and shall be marked to show it was approved and adopted on April 17, 1985.
3. PG&E is hereby authorized to utilize the tie line for up to twelve (12) months, or until April 16, 1986.

I certify that this resolution was adopted by the Public Utilities Commission at its regular meeting on April 17, 1985. The following Commissioners approved it:

DONALD VIAL
President
VICTOR CALVO
PRISCILLA C. GREW
WILLIAM T. BAGLEY
FREDERICK R. DUDA
Commissioners


Executive Director



Area shown
on Map 2

Vallejo and Vicinity

ATTACHMENT 1 -- MAP 1



Base map used with permission of California State Automobile Association, copyright owner.

Carquinez

SOLANO
CONTRA COSTA

Strait

VALLEJO CITY

BREAKWATER

SHIPYARD

NAVAL

Island

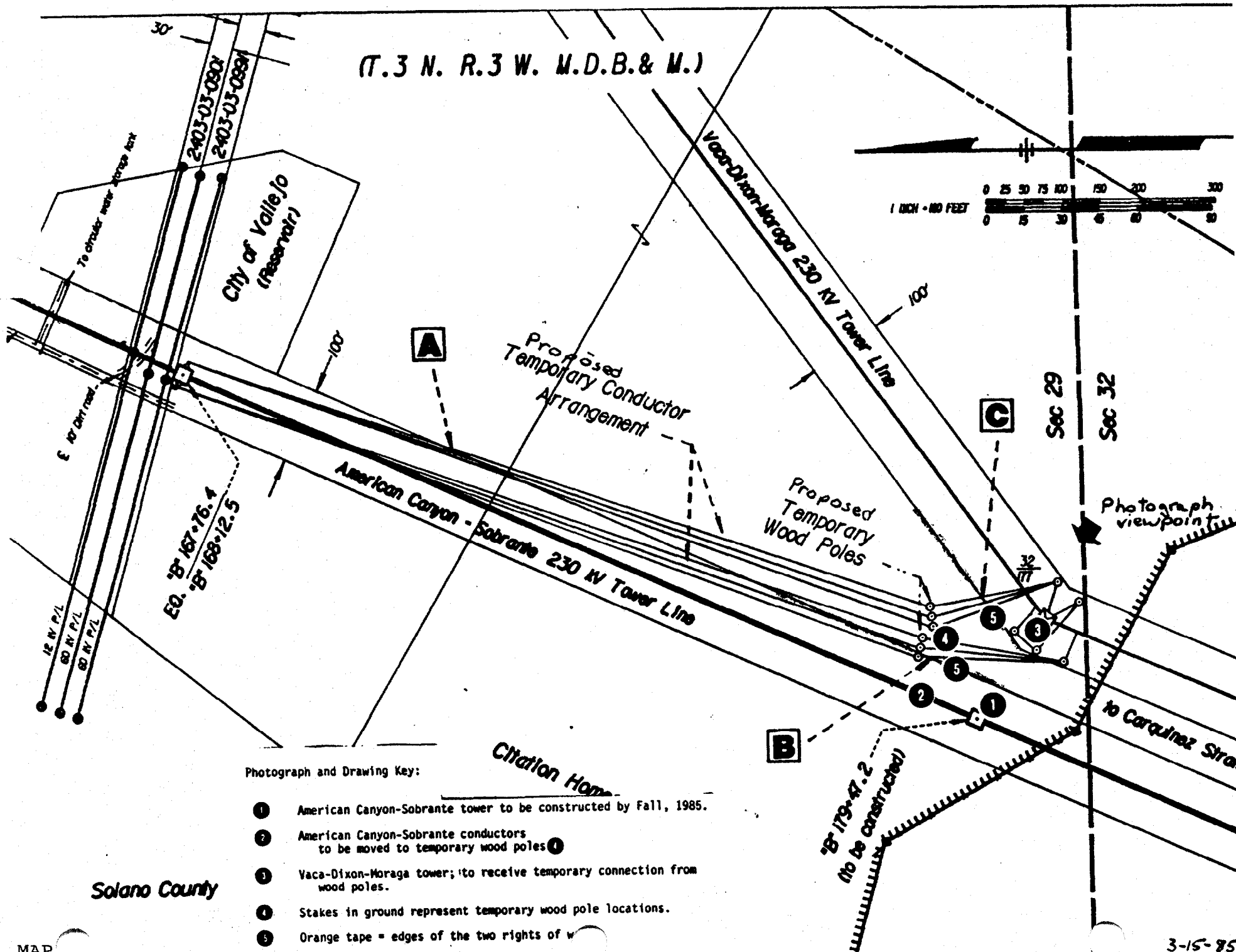
Lake Doolittle

Suisun Reservoir

CALIFORNIA MARITIME ACADEMY

Carquinez Bridge

Strait



Photograph and Drawing Key:

- ① American Canyon-Sobrante tower to be constructed by Fall, 1985.
- ② American Canyon-Sobrante conductors to be moved to temporary wood poles ①
- ③ Vaca-Dixon-Moraga tower; its to receive temporary connection from wood poles.
- ④ Stakes in ground represent temporary wood pole locations.
- ⑤ Orange tape = edges of the two rights of w

Solano County



