

U. S. Dept. of

Electricity

Station 1342 - George - U. S. Cr.

February 1949

Reference is made to your memorandum of 7 September 1948, captioned as above.

The National Electric Code in regard to the sizing of conductors is shown as shown on approved drawing 301-0-3.

- 1. The 12 wires and six #12 wires have an area of .70 square inches. This is reduced to .3724 square inches if the #12 wires are 10 insulated.
- 2. The National Electric Code requires 2" conductors having a total area of .3724 square inches. If their area is .8000 square inches.

It is not the paramount consideration for the use of 2" conductors. However, in this case, the requirement for the use of 2" conductors in pulling, and for that reason, the use of 2" conductors should be used, if available.

Your instructions to the Electrical Superintendent to use 1" conductors are confirmed, provided 10 insulated #12 wire is used. In copy of this memorandum, the Chief Project Engineer is being advised of this action.

Resident Engineer

COPIES AVAILABLE

W. L. Garver, Jr.
 H. H. Odomiller
 Chronick
 Central
 NCCP

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY <i>B.A. Sinisgalli 7-23-94</i>	DETERMINATION OF REVIEW STATUS
REVIEWER (ADD)	CLASSIFICATION
NAME <i>J.D. Lazer</i>	DATE
DATE <i>7/29/94</i>	CLASSIFICATION

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