

~~SECURITY INFORMATION~~ Pacific South West Region

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H. L. Mietze

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David L. Harver, Jr. Triangulation Tie To Charlie

March 19, 1953

The priority assigned to the high tide line survey of the islands in the Charlie group will require determining the location of this group prior to completion of the Atoll horizontal control network. This can be accomplished with sufficient accuracy by a single triangle using the line station Air to station Gell of the U. S. Navy survey as a base. Third order procedure is satisfactory for the field work as this will be consistent with the accuracy of the previous survey and as the tie would be of little value if included in the proposed second order network.

The suggested plan for completing this tie is shown on the attached sketch, BX 701. The 50 foot height of the Bilby tower at site Charlie will be sufficient if the 37 foot Bilby tower at site Obce is raised to 50 feet. Mr. Lowell states that material is available for this and that it will be no problem since the tower is located on the base islands. The existing photo tower at station Gell on site George should be satisfactory if an instrument tripod is constructed to approximately 20 feet above ground level.

BEST COPY AVAILABLE

David L. Harver, Jr.
Chief Project Engineer

REPOSITORY
COLLECTION
BOX No 279624 (#10) 28334 28335 (S.V. 20)
SURVEY
FOLDER OCTOBER 1, 1954 THRU JULY 31, 1955

DLNJr:LEH:mw

Enclosures 3

- cc: Constr.-oper. Riv w/1 enclosure Project Manager
- L. H. Hammond w/1 enclosure Project File w/1
- Engineering File w/1 enclosure
- CIC Mail Room (2 w/1)

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| REVIEWER (ADD): NAME: <i>J. D. LAZAR</i> | |
| DATE: <i>7/29/94</i> | |