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FROM BUREAU OF SURVEYING TO  
DIANE S. NELSON  
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REPOSITORY PACIFIC SOUTHWEST REGION  
COLLECTION RG 326 ATOMIC ENERGY COMMISSION  
BOX No. 199624 (#608) A16534 326-65V0170  
SURVEYS  
FOLDER AUGUST 1, 1953 ON

Field Manager  
Eniwetok Field Office  
P. O. Box 5400  
Albuquerque, New Mexico

January 15, 1954

Subject: Transmittal of 1953 Horizontal Control Survey,  
Bikini Atoll, Marshall Islands

Dear Sir:

Enclosed find two copies of a report titled "1953 Horizontal Control Survey, Bikini Atoll, Marshall Islands. This report includes the adjusted data of the triangulation survey and the plane coordinate grid. The section on vertical control will be submitted at a later date when datums established by automatic tide gages at Sites Yare and Charlie are available.

At the request of Mr. Willett of the U.S. Hydrographic Office and on authorization of the AEC Resident Engineer at the Pacific Proving Ground, reproductions of the available records of the survey were sent to Mr. Willett on December 1, 1953. However, as all computations had not been completed and referencing of the control monuments was still in progress, the complete records could not be submitted at that time. The complete records are now available and as instructed by Mr. Fred Hohner, by copy of this letter, a copy of the report and reproductions of the field records and computations are being sent direct to Mr. Willett of the U.S. Hydrographic Office, Survey Branch, Washington, D.C. A list of the material being sent to Mr. Willett follows. The material is in two volumes both of which are classified "For Official Use Only".

BEST COPY AVAILABLE

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Job 884

Field Manager, EFO

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January 15, 1954

Volume 1

Summary of general features	8 pages	
Plane coordinates	5 pages	1 map
Geographic positions	5 pages	
Triangulation computations	93 pages	5 maps
Abstract of directions	82 pages	
Leveling abstracts	13 pages	
Baseline and traverse computations	17 pages	
Descriptions of Stations	21 pages	
USN Survey records	10 pages	2 maps
Geographic positions USN Stations	13 pages	
USN Station recovery notes	23 pages	

Volume 2

Record of directions	202 pages
Record of traverse measurement	41 pages
Base line level notes	41 pages

*Field Manager  
Requested  
USHO to do this*

It is suggested that the U.S. Hydrographic Office be requested to advise us of their analysis of the survey, and that we also be informed if it is adopted for future revision of the atoll chart.

Very truly yours,

HOLMES & HARVER, INC.

Original signed by  
H. L. DIETZE

David L. Harver, Jr.  
Chief Project Engineer

HLD:ISH:eas

Encs. 2

cc: P. W. Spain, AEC  
James Willett, H.O., w/1 enc.

Constr.-Oper. Div. (2)  
Engineering File  
L. S. Hammond  
751 Mail Room (1)  
Project Manager JS

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1954  
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NAVY DEPARTMENT

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