

HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS ~~RESTRICTED INFORMATION~~

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COPY TO  
NRC & LSA

TO: D. L. Narver, Jr. ✓ JOB: 884 O/S 7003  
FROM: H. L. Dietze RE: Station 1341 Elevation Change.

DATE: 30 October 1953

Survey

Elevations of structures on Site Charlie were based on the level datum adopted during the High Tide Line Survey of the island. The elevations of the footings of Station 1341, Site Delta was based on the datum adopted for Sites Able and Baker during the High Tide Line Surveys of those islands.

The Survey Department did not check the interrelation of the elevation data until after the floor slab of Station 1341 was formed and the reinforcing was being placed. Since construction was far advanced on Site Charlie, the datum on that island was adopted for Site Able and Baker. This resulted in a 1.3 foot discrepancy between the elevation of Station 1341 and the elevation of structures on Site Charlie.

Tide observations subsequent to the above indicate that the Site Able and Baker datum is correct and that of Site Charlie is in error. The cause of the discrepancy was the location of the tide guage in an area where the water level is seriously affected by the formation of a reef.

The remainder of the islands on Bikini on which structures requiring an elevation relationship are located, have been placed on a single adopted datum extended by level circuits. This eliminates the possibility of any further discrepancies.

*H. L. Dietze*  
H. L. Dietze,  
Resident Engineer.

HLD:hw  
cc: HO Chrono  
HO Central  
OS Chrono  
OS Central  
OS Engr.  
Survey (2)

REPOSITORY NATIONAL ARCHIVES  
PACIFIC SOUTHWEST REGION  
COLLECTION RG-326 ATOMIC ENERGY COMMISSION  
BOX No. 199624 (#608) A16334 326-65V0170  
SURVEYS  
FOLDER AUGUST 1, 1953 ON

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
REVIEW AUTHORITY BY: <i>AA Smith</i> 9/23/94	DETERMINATION (CIRCLE NUMBER):
REVIEWER (DDI): <i>AA Smith</i>	1. CLASSIFICATION RETAINED
NAME: <i>AA Smith</i>	2. CLASSIFICATION CHANGED TO:
DATE: 7/28/94	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

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