

Survey

HOLMES & NARVER, INC.
Engineers - Constructors

408006

TO: E. R. Berrien,
ATT: L. S. Hammond
[Signature]

JOB: 942 J/S No. 3412

FROM: C. F. Dunlap

RE: Drawing Transmittal & Triangulation
Recommendations

DATE: 1 March 1957

Transmitted herewith is one print and one reproducible of FS 6241, "Recovery of Triangulation Stations, Eniwetok Atoll". Shown thereon are jobsite recommendations for replacement surveys to be made prior to the next operational period.

Field work on Triangulation Station Recoveries is complete and the final Station Recovery Notes are presently being compiled and typed. Prints will be forwarded to the Home Office when this work is completed.

The purpose of the proposed triangulation is twofold; first, to maintain the strength of the overall net and second, to provide control at anticipated operational sites.

The first consideration applies to the new station recommended on Site Sally. The monument was a small concrete pedestal set in sand, established by JTF-7. This was replaced by Holmes & Narver with a larger mass of concrete. There is evidence that traffic on the nearby road dislocates the monument and its references. To overcome this, it is proposed that a new station be established using an H pile with a concrete collar as shown on the attached sketch.

New stations are recommended at Sites Gene, Pearl and Yvonne to provide second order control at anticipated test sites. In each case, the favorable location for a station is in an area with a sand overburden where the establishment of a lower mark on solid coral would be impractical. It is proposed that the H pile and concrete collar as sketched be used for these stations and their references.

It is requested that you review this proposed program at your earliest convenience and advise as to any changes that may be required. As soon as this program is firmed up, it will be possible to initiate monument establishment and tower construction. With these items taken care of, the triangulation work can be done as soon as Survey personnel are available.

BEST COPY AVAILABLE

REPOSITORY Nevada Operations Office

COLLECTION 326 - 67A 1016

BOX No. 223138 or ?

FOLDER Survey: Project Engineering File

CFD:MPC:hg
Encl: 1 reproducible & 1
print of FS 6241.

J/S Central
H/O Chrono J/S Survey
H/O Central J/S Engineering
J/S Chrono J/S Engr. Reading File

38529



ENGINEERING
CALCULATION SHEET

HOLMES & NARVER, INC.
ENGINEERS - CONSTRUCTORS

JOB NO. 220
SHEET 1 OF 1
BY ES DATE 3-1-57

TITLE PROPOSED REPLACEMENT FOR TRIP STATIONS

