

C O P Y

C O P Y

HOLMES & NARVER, INC.
Engineers - Constructors

TO: C F Dunlap
FROM: M P Curran

JOB: 942
RE: Surveys of Weather Station Sites at Rongelap, Utirik, Wothe & Ujelang Atolls

DATE: 5 July 1957

1 July 1957

0530 Personnel Department truck aboard an M-boat departed site ELMER ramp.
Party as follows:

Ray C Emens, AEC
M P Curran, H & N
E. R. Klanchar, H & N
M E Moran, H & N

0555 Disembarked at site FRED

0615 Arrived at C-47 terminal

0700 Boarded C-47

0710 Airborne

0930 Arrived Kwajalein Naval Air Station

1000 Airborne aboard UF-1 928

1115 Dropped message over Rongelap village requesting Trust Territory personnel to rendezvous with our party at Jaabwan village.

1130 Anchored off Jaabwan village, Rongelap Island, Rongelap Atoll. Crew rigging life raft. CO₂ cylinders inadequate, inflation completed by hand pump. Motor mounted, refused to start.

1155 Party aboard raft, paddled ashore.

1210 Party ashore, commenced survey. Found survey points used in recent construction work undisturbed. Continued this traverse around the southerly end of the island at approximate high tide line. A site was selected with Mr. Emens concurrence. During the course of the survey, Mr. Tobin, Distad representative, and Mr. Gergely, Hicom legal advisor, arrived at the proposed site. They informed Mr. Emens that it was necessary for them to return to Rongelap village to pick up Mr. Sideris, Trust Territory Agriculturist, and their luggage; also to obtain lease signatures.

1500 Survey completed, boarded raft (Emens, Gergely, Tobin, Curran, Klanchar, Moran).

1520 UF-1 underway (taxiing) with raft in tow. Estimated area of proposed site at 3.65 acres. No food producing trees on site.

1615 Anchored off Rongelap village. Tobin and Gergely went ashore.

1705 Tobin, Gergely, Sideris, and native hitch-hiker came aboard.

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1710 Airborne

1820 Arrived at Kwajalein Naval Air Station.

1900 Arrived at assigned quarters.

2 July 1957

0730 Passengers (Emens, Tobin, Gergely, Sideris, Curran, Klanchar & Moran) aboard UF-1, 928.

0807 Airborne.

0950 Landed and anchored off weather station site, Utirik.

1030 Tobin, Gergely, 3 H & N men boarded raft.

1035 Ashore, commenced survey. Raft returned to plane for Emens & Sideris.

1335 Concluded survey. In course of same Tobin concurred in location of lines. Estimated area of site at 1.1 acres. There are 90 coconut and 4 pandanus trees on the site. Natives state the following were destroyed during construction:

12 Coconut
1 Breadfruit
4 Pandanus

1355 3 H & N aboard UF-1.

1425 Emens, Tobin, Gergely and Sideris came aboard.

1505 Airborne.

1630 Arrived at Kwajalein Naval Air Station.

3 July 1957

0715 Passengers aboard UF-1, same party as 2 July.

0735 Airborne.

0835 Landed off weather station site, Wothe.

0850 Survey party ashore, commenced survey. Raft returned to plane for remainder of party.

1215 Survey of 3 sites completed.

1240 Party aboard UF-1.

Weather station site has 60 coconut and 5 pandanus trees. 2 coconut trees destroyed during construction. Station 562.01, 7 coconuts, 8 pandanus. Station 562.02, 6 pandanus. Natives state that 100 coconut trees were destroyed in construction of all 3 sites. Weather site estimated at 0.66 acres.

[REDACTED] ONLY

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1355 Crew came aboard.
1435 Airborne.
1555 Arrived at Eniwetok. Tobin and Curran to Elmer on L-20, remainder to Elmer by truck and M-boat. All arriving at 1650.

4 July 1957

0710 Departed Elmer airstrip on H-19.
0725 Party at UF-1 on Fred airstrip.
0740 Crew arrived.
0820 Airborne.
0915 Landed off weather station site, Ujelang.
0955 Surveyors, Tobin, Gergely aboard raft. Motor quit immediately after getting underway. Paddled ashore.
1015 Ashore, commenced survey.
1200 Completed survey. Native sleeping hut, warehouse and copra shed on site. Tobin states that they will remain and the lease will be so drawn.
1330 Arranged with native to take surveyors to UF-1 in rowboat.
1350 Boarded UF-1, reported to Emens. Sideris went ashore in native rowboat.
1502 Tobin, Gergely and Sideris came aboard. The following trees are on the site:
85 Coconuts
30 Pandanus

Natives report 2 coconut and 2 pandanus destroyed during construction. Area estimated at 1 acre.
1520 Airborne.
1620 Arrived at Eniwetok. Tobin remained to continue aboard UF-1 to Kwajalein, remainder of party to site Elmer by truck and M-boat.
1705 Arrived site Elmer.

General: Each site fell within a single Wato.

MPC:rb

cc: E Wynkoop J/S Survey
J/S Chrono J/S Engineering
J/S Central

[REDACTED] Y

R O U G H D R A F T
WEATHER STATION SITE
UTIRIK Island, UTIRIK Atoll

Legal Description.

Commencing at point A, the northwesterly corner on the top of the bank on the lagoon shore.

Thence by a line 159.0 feet long bearing South 59 degrees East to point B.

Thence by a line 325.0 feet long bearing South 33 degrees West to point C.

Thence by a line 175.5 feet long bearing North 32 degrees West to point D.

Thence by a line 243.0 feet long bearing North 33 degrees East to the point of beginning.

The above described site is located near the mid-point of the lagoon shore of UTIRIK Island, UTIRIK Atoll, and is a portion of BATLUKPE WATO.

The area within the above described boundaries is 1.04 acres, more or less.

A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6314, Weather Station Plat, UTIRIK Island, UTIRIK Atoll. This drawing is considered to be incorporated in, and a part of, this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the lagoon as may be considered necessary by the lessee.

R O U G H D R A F T
WEATHER STATION SITE
UJELANG Island UJELAND Atoll

Legal Description.

Commencing at point A, the northeasterly corner, on the top of bank on the lagoon shore.

Thence by a computed line 223.5 feet long bearing South 08 degrees West to point B.

Thence by a line 223.5 feet long bearing North 86 degrees West to point C.

Thence by a computed line 282 feet long bearing North 03 degrees East to point D.

Thence by a computed line 249 feet long bearing South 72 degrees ^{East} to the point of beginning.

The above described site is located near the middle of the lagoon shore of UJELANG Island, UJELANG Atoll, and is a portion of AKADRIK WATO.

The area within the above described boundaries is 1.35 acres, more or less.

A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6318, Weather Station Plat, UJELANG Island, UJELANG Atoll. This drawing is considered to be incorporated in, and a part of this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the lagoon as may be considered necessary by the lessee.

R O U G H D R A F T

RAYDIST STATION 562.01
WOTHO Island WOTHO Atoll

Legal Description.

Commencing at point A, the southwesterly corner, on the top of bank of the lagoon shore.

Thence by a line 250 feet long bearing North 13 degrees East to point B.

Thence by a line 100 feet long bearing South 77 degrees East to point C.

Thence by a line 250 feet long bearing South 13 degrees West to point D.

Thence by a line 100 feet long bearing North 77 degrees West to the point of beginning.

The above described site is located near the northwesterly end of the lagoon shore of WOTHO Island, WOTHO Atoll and is a portion of ENEJU WATO.

The area within the above described boundaries is 0.57 acres, more or less.

A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6316, RAYDIST Station 562.01 Plat, WOTHO Island, WOTHO Atoll. This drawing is considered to be incorporated in, and a part of, this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the lagoon as may be considered necessary by the lessee.

R O U G H D R A F T

RAYDIST STATION 562.02
WOTHO Island WOTHO Atoll

Legal Description.

Commencing at point A, the northeasterly corner, on the top of bank of the ocean shore.

Thence by a computed line 106 feet long bearing South 16 degrees East to point B.

Thence by a computed line 187.5 feet long bearing South 54 degrees West to point C.

Thence by a computed line 128 feet long bearing North 07 degrees West to point D.

Thence by a computed line 164 feet long bearing North 58 degrees East to the point of beginning.

The above described site is located at the westerly end of that part of the ocean shore running in an east west direction; said shore being the northern part of WOTHO Island, WOTHO Atoll. The site is a portion of BIKINI WATO.

The area within the above described boundaries is 0.44 acres, more or less.

A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6317, RADIST Station 562.02 Plat, WOTHO Island, WOTHO Atoll. This drawing is considered to be incorporated in, and a part of, this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the ocean as may be considered necessary by the lessee.

R O U G H D R A F T

RAYDIST STATION CAMP SITE
WOTHO Island WOTHO Atoll

Legal Description.

Commencing at point A, the southerly corner, on the top of bank of the lagoon shore.

Thence by a line 110 feet long bearing North 46 degrees East to point B.

Thence by a line 261 feet long bearing North 44 degrees West to point C.

Thence by a line 110 feet long bearing South 50 degrees West to point D.

Thence by a computed line a distance of 267 feet long bearing South 44 degrees East to the point of beginning.

The above described site is located near the midpoint of the lagoon shore of WOTHO Island, WOTHO Atoll, and is a portion of MLJD RAT WATO.

The area within the above described boundaries is 0.67 acres, more or less.

A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6315, RADIST Station Camp Site plat, WOTHO Island, WOTHO Atoll. This drawing is considered to be incorporated in, and a part of, this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the lagoon as may be considered necessary by the lessee.

R O U G H D R A F T
WEATHER STATION SITE
RONGELAP Island RONGELAP Atoll

Legal Description.

Commencing at point A, the northeasterly corner, on the top of the bank of the lagoon shore approximately 2000 feet west of the westerly boundary of MWEENLAB WĀTO.

Thence by a line meandering the top of bank around the westerly end of the island as follows:

From A by a line 204.5 feet long bearing South 66 degrees 41 minutes West to point B.

Thence by a line 230.5 feet long bearing South 27 degrees 46 minutes West to point C.

Thence by a line 317.5 feet long bearing South 48 degrees 11 minutes East to point D.

Thence by a line 324.5 feet long bearing South 66 degrees 00 minutes East to point E, the southeasterly corner, on the top of the bank of the ocean shore.

Thence by a computed line a distance of 671.5 feet long bearing North 20 degrees 45 minutes West to the point of beginning.

The above described site is located at the westerly end of RONGELAP Island, RONGELAP Atoll and is a portion of KABIJEBWŌN WĀTO.

The area within the above described boundaries is 3.61 acres, more or less.

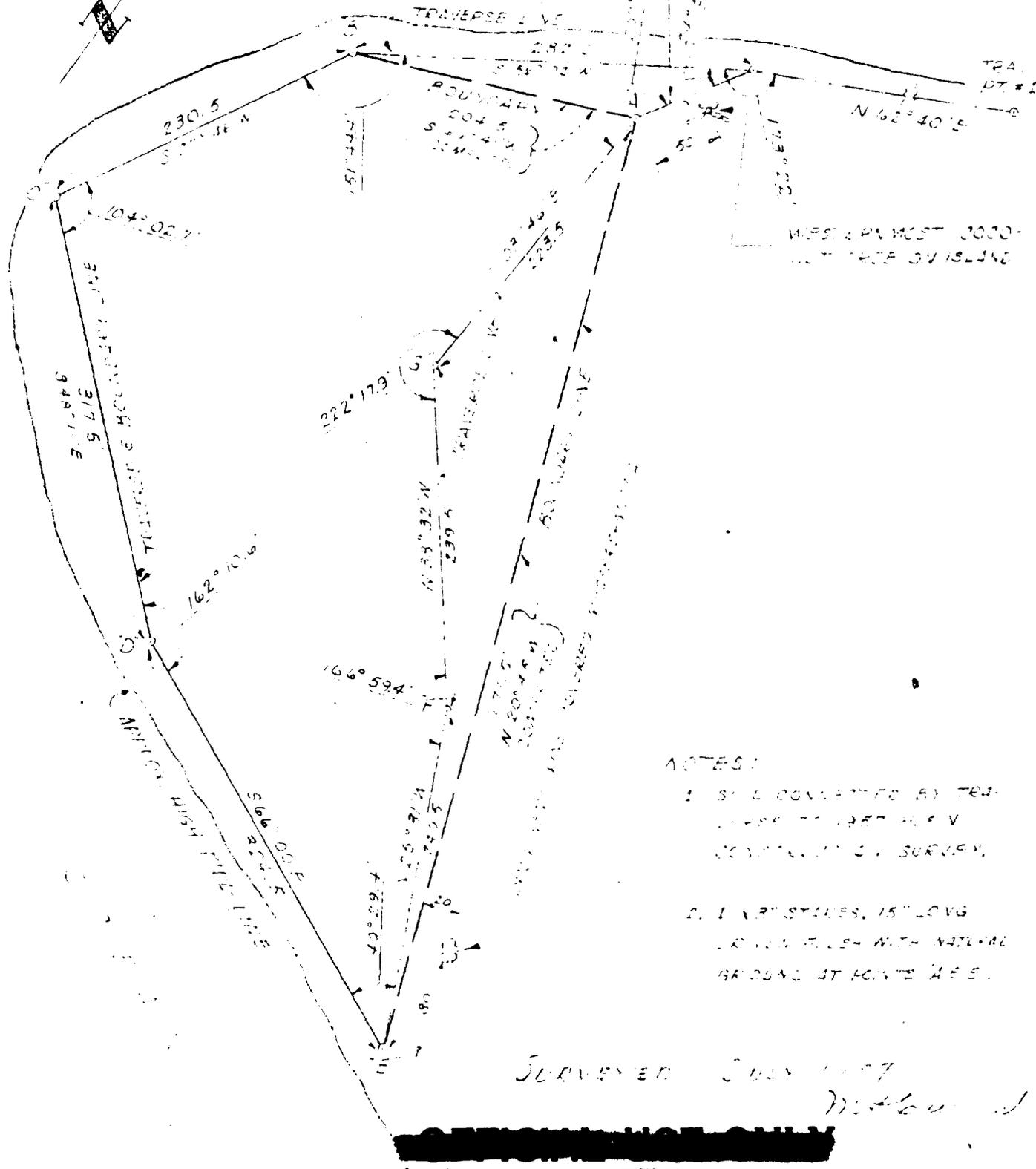
A plat of the site, prepared by Holmes and Narver, Incorporated, for the Atomic Energy Commission is shown on a drawing, F.S. 6313, Weather Station Plat, RONGELAP Island, RONGELAP Atoll. This drawing is considered to be incorporated in, and a part of, this lease agreement.

SUGGESTED CONDITION OF LEASE AGREEMENT.

The lessor grants, and the lessee has the right to, access to install such underground utilities to the lagoon or ocean as may be considered necessary by the lessee.

SCALE 1" = 100 FT

THIS LINE IS 890' LONG, REMAINING 1/4 MILE

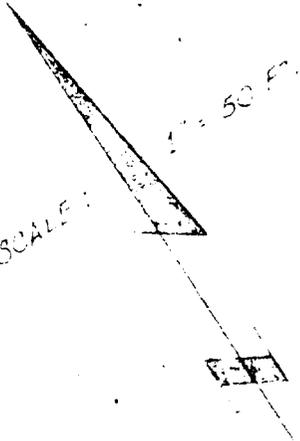
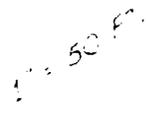


- NOTES:
1. SITE OCCUPIED BY TRAIL PRIOR TO 1957 HAS BEEN RECONSTRUCTED BY SURVEY.
 2. 11 IRON STAKES, 15" LONG USED TO MARK WITH NATURAL GRASS AT POINTS A-F-S.

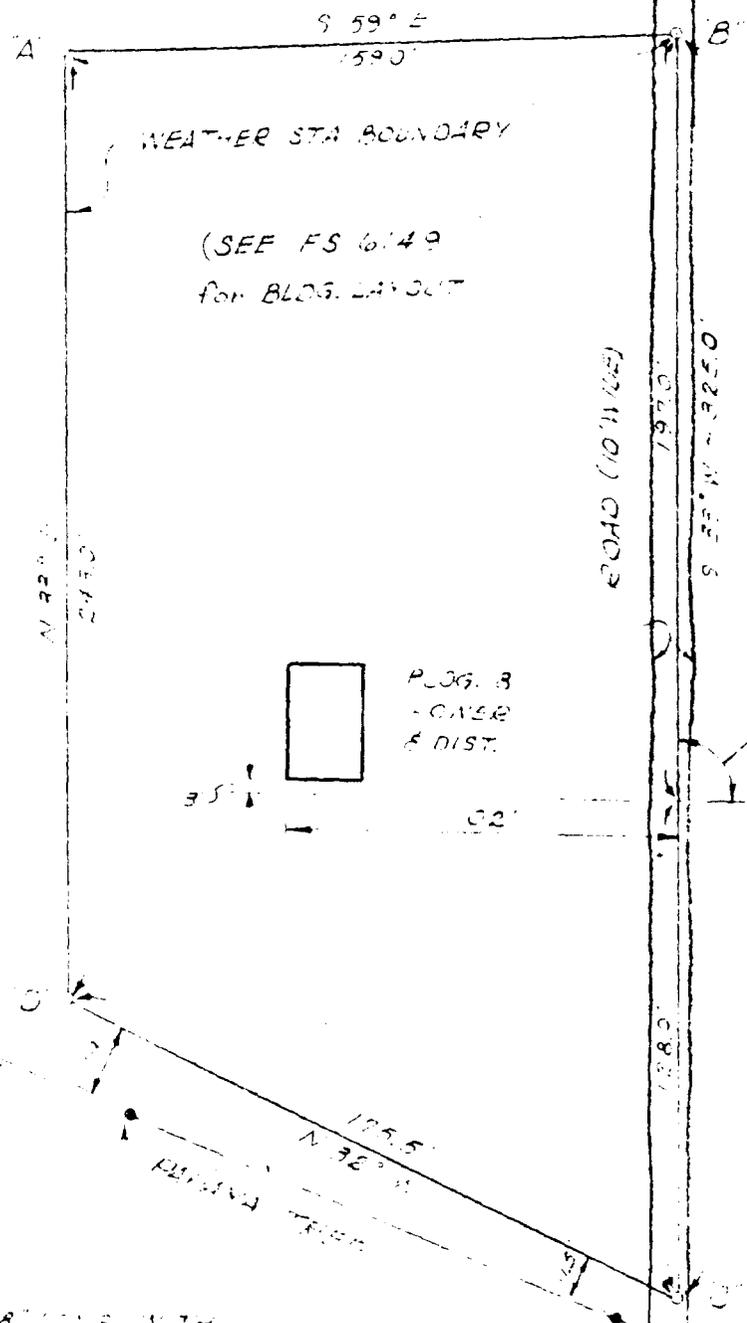
SURVEYED JULY 1957
M. H. NARVER

REV.	DATE	DESCRIPTION	CHK.	APP.	WEATHER STATION PLAT		JOB NO.
					RONGELAP ISLAND FONGELAP ATOLL		942
							W. O. NO.
							DRAWING NO.
DRAWN BY		APPROVED:		DATE	HOLMES & NARVER, INC.		
H & N		H & N			ENGINEERS-CONSTRUCTORS		

SCALE:



Z A G O O W



WEATHER STA BOUNDARY

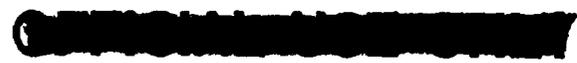
(SEE FS 6149
for BLOS. LAYOUT)

PLUG. B
- CASE
& DIST.

WATO BOUNDARY

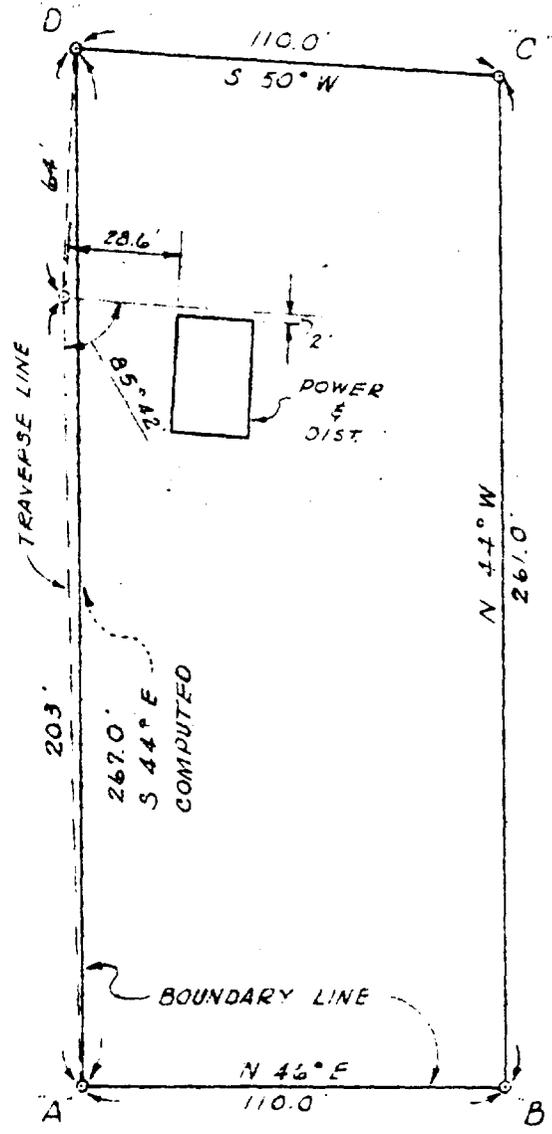
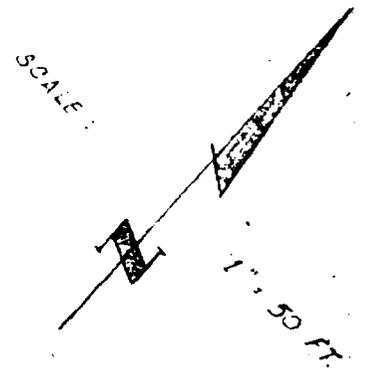
NOTES:

- 1. 2" x 2" STAKE B'LINGS WITH
TAGS DRIVEN FLUSH WITH
NATURAL GROUND AT POINTS
A, B, C, & D.



REV.	DATE	DESCRIPTION	CHK	APP	WEATHER STATION BLAT UTIRIK ISLAND UTIRIK ATOLL		JOB NO. 942
							W. O. NO.
DRAWN BY 420							DRAWING NO. 56314
APPROVED: H & N							HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS
CHECKED BY							DATE

L A G O O N



SEE FS 6137, DETAIL 1
for BUILDING LAYOUT

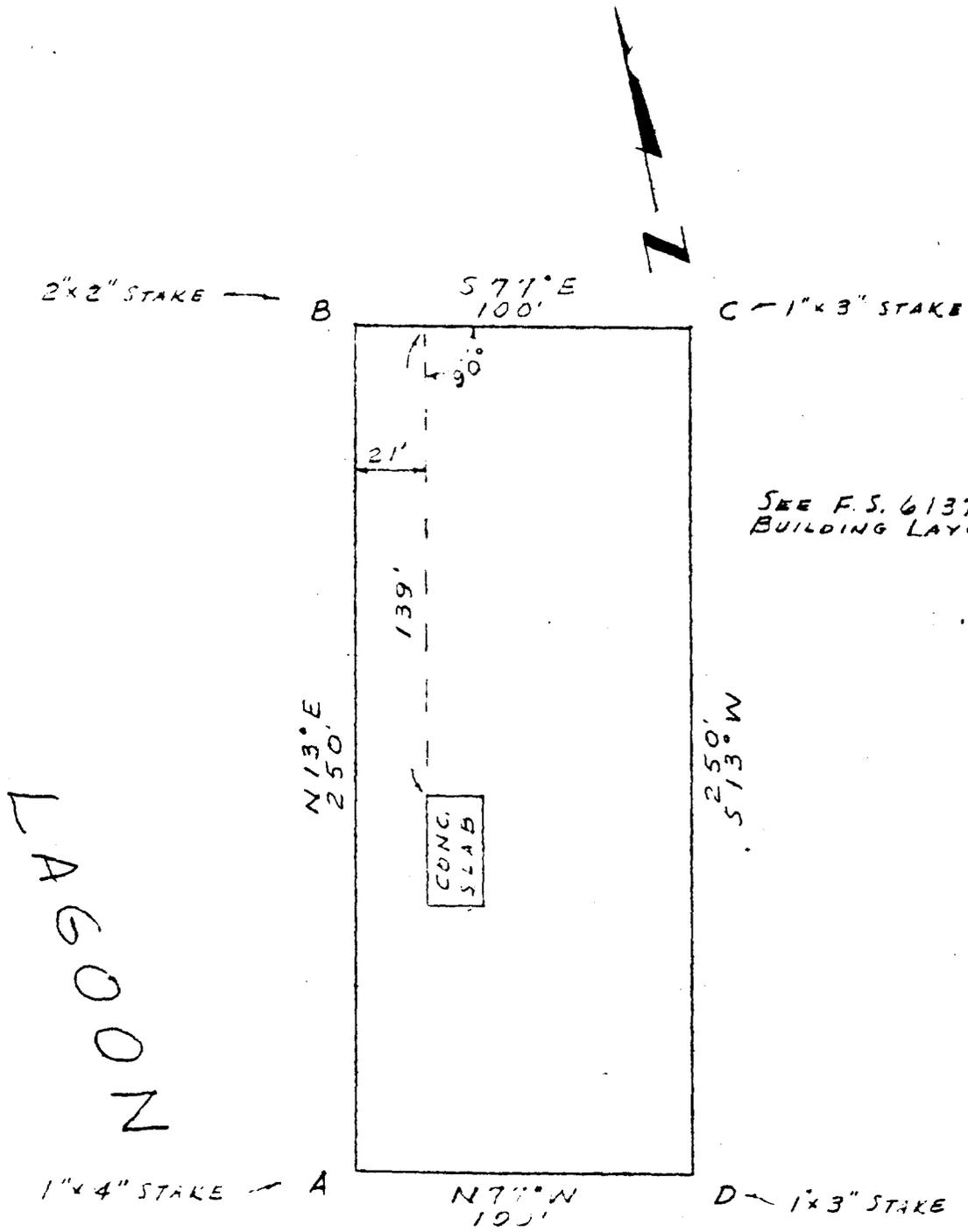
SURVEYED 3 JULY 1957

M. P. G. ...

NOTE:
1" x 4" STAKES, 15" LONG WITH
TACK DRIVEN FLUSH WITH THE
NATURAL GROUND AT POINTS A, B, C & D.

OFFICIAL USE ONLY

REV.	DATE	DESCRIPTION	CHK.	APP.	JOB NO. 942
RAYDIST STATION CAMP PLAT WOTHO ISLAND WOTHO ATOLL					DRAWING NO. FS 6315
DRAWN BY ALD		APPROVED: H & N <i>[Signature]</i>		DATE	HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS
CHECKED BY					



SEE F.S. 6137 FOR BUILDING LAYOUT.

LAGOON

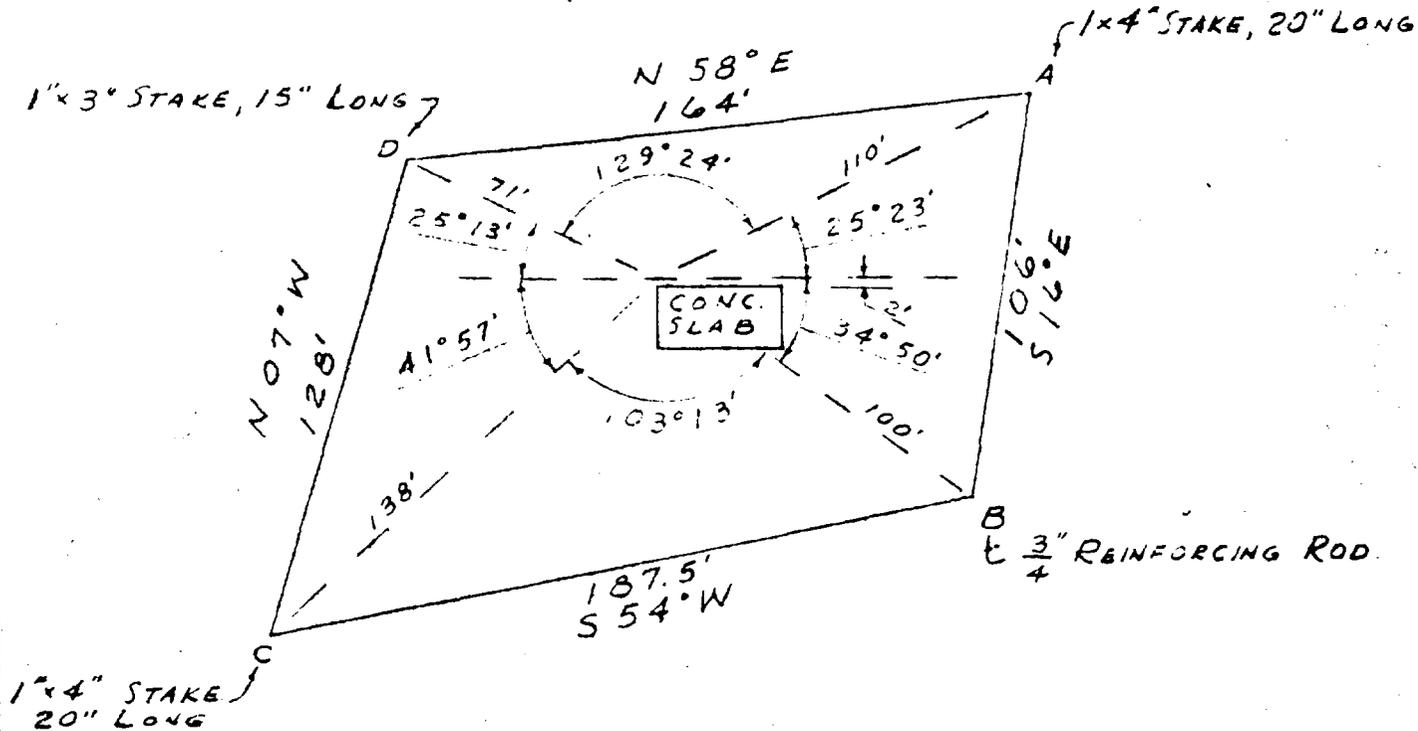
SURVEYED 3 JULY 1957

M. P. Curran

REV.	DATE	DESCRIPTION	CH'K.	APP.	RAYDIST STATION 562.01 PLAT W. THO ISLAND WOTHO ATOLL	JOB NO.
						W. O. NO.
DRAWN BY M.P.C.		APPROVED: H & N <i>[Signature]</i>		DATE 7-8-57	HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS	DRAWING NO. F.S. 6316
CHECKED BY A.R.C.						



OCEAN



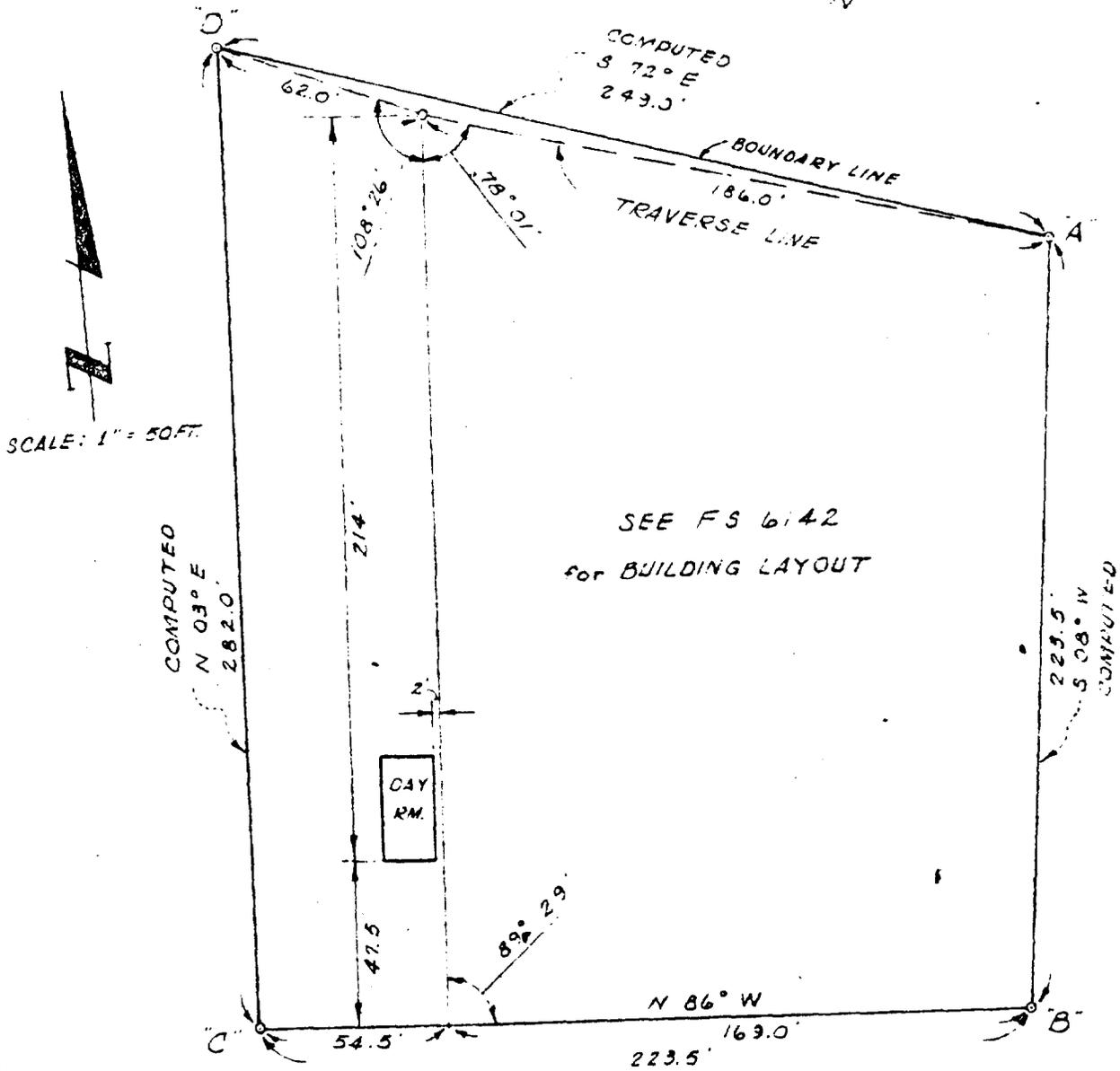
SEE F.S. 6137 FOR BUILDING LAYOUT.

SURVEYED 3 JULY 1957
M. P. C.

OFFICIAL USE ONLY

REV.	DATE	DESCRIPTION	CHK.	APP.	JOB NO.
<p>RAYDIST STATION 562.02 PLAT WOTHO ISLAND WOTHO ATOLL</p>					<p>W. O. NO.</p>
<p>DRAWN BY <i>M. P. C.</i></p>		<p>APPROVED: <i>[Signature]</i></p>		<p>DATE 2-27</p>	<p>DRAWING NO. F.S. 6137</p>
<p>CHECKED BY</p>		<p>H & N</p>		<p>HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS</p>	

L A G O O N



NOTE:

1"x3" STAKE 15" LONG WITH TACK
 DRIVEN FLUSH WITH NATURAL
 GROUND AT POINTS A, B, C & D.

SURVEYED 4 JULY 1957

M. O. Burrard

~~FOR OFFICIAL USE ONLY~~

REV.	DATE	DESCRIPTION	CHK.	APP.	WEATHER STATION PLAT		JOB NO. 942
					UJELANG ISLAND - UJELANG ATOLL		W. O. NO.
DRAWN BY 420					APPROVED: H & N		DATE
					HOLMES & NARVER, INC. ENGINEERS-CONSTRUCTORS		DRAWING NO. FS 1310