

**VALUABLE**

SUBJECT ELEV. WELL HOUSE  
# RR-46 RIFLE RANGE

RETURN TO  
 PUBLIC WORKS  
 OFFICE  
 CAMP LEJEUNE  
 NORTH CAROLINA

FIELD PARTY  
DENNIS IN CHARGE  
 \_\_\_\_\_ INSTRUMENT  
 \_\_\_\_\_ NOTES  
 \_\_\_\_\_ TAPE READ  
 \_\_\_\_\_ TAPE OR ROD  
 \_\_\_\_\_ TAPE OR ROD  
 \_\_\_\_\_ INSTRUMENT No.  
 \_\_\_\_\_ TAPE No.

WEATHER  
 CLEAR \_\_\_\_\_ SNOW \_\_\_\_\_  
 CLOUDY \_\_\_\_\_ HOT \_\_\_\_\_  
 WINDY \_\_\_\_\_ MODERATE \_\_\_\_\_  
 RAIN \_\_\_\_\_ COLD \_\_\_\_\_  
 FAIR \_\_\_\_\_ FOG \_\_\_\_\_  
 FIGURED BY \_\_\_\_\_  
 NOTES CHECKED BY \_\_\_\_\_  
 PLOTTED BY \_\_\_\_\_

FILE No. \_\_\_\_\_  
 FLDR. No. \_\_\_\_\_  
 SHEET 1 of 1  
 DATE 12-19-50

Quad. No. \_\_\_\_\_

STATION	DIST.	ANGLE ° ' "	H. I. BEARING	VER. ANG. DIFF.	ELEVATION	
B.m.			346 59 56	✓	54 10	SPIKE IN P.P. # SR-26 S.E. SIDE OF RANGER D. BETWEEN GUARD HOUSE AND BLDG. # RR-39
T.P.			362 56 09	✓	7.09 52 47	
T.P.			5 32 57 99	✓	3.42 52 67	
			2 96 57 93	✓	3.02 54 97	FLOOR RR-46
T.P.			3 36 55 94	✓	5 35 52 58	
T.P.			6 60 59 59	✓	2.95 52 99	
B.m.				✓	3 49 56 10	SAME AS ABOVE

REV LEAD 2

REV LEAD 2

REV LEAD 2

REV LEAD 2



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19537

**VALUABLE**

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

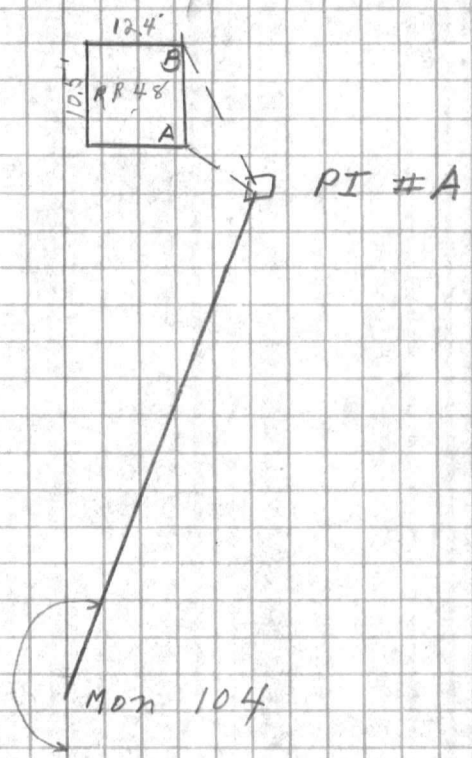
SUBJECT Location Well  
House # R.R. 48

**FIELD PARTY**  
Tullinger in Charge  
Instrument \_\_\_\_\_  
Notes \_\_\_\_\_  
Tape Read \_\_\_\_\_  
Tape or Rod \_\_\_\_\_  
Tape or Rod \_\_\_\_\_  
Instrument No. \_\_\_\_\_  
Tape No. \_\_\_\_\_

**WEATHER**  
Clear \_\_\_\_\_  
Cloudy \_\_\_\_\_  
Windy \_\_\_\_\_  
Rain \_\_\_\_\_  
Fair \_\_\_\_\_  
Snow \_\_\_\_\_  
Hot \_\_\_\_\_  
Moderate \_\_\_\_\_  
Cold \_\_\_\_\_  
Fog \_\_\_\_\_

FILE No. 218-13  
Fldr. No. \_\_\_\_\_  
Sheet 48049  
Date 5-29 19 46  
Quad. No. 218

Station	Dist.	Angle " "	+	H. I. Bearing	Ver: Ang. Diff.	Elevation
Well House R.R. 48 Cor A	55'					
		121 56 30				
		5 49 30				
		121 56 30				
Cor B	61 1/2'					
		130 05 15				
		30 16				
		130 05 20				
PI A	739 1/8					
		195 37				
		226 51				
		195 37	M			
at #104						
BS Mon 103						



Plotted By: VLT 6-5-46  
Checked By: J.F.M. 6-11-46

Mon 103

VALUABLE

Return To  
Post Office  
Care of  
Peter G. ...

SUBJECT

Station

Dist.

Angle

H

Vertical  
Dist. Elevation

FIELD DATA  
Time of Day  
Location  
Type of ...  
Remarks

WEATHER  
Clear  
Cloudy  
Rain  
Snow  
Fog  
Thunder  
Lightning  
Wind  
Direction  
Force

TIME  
Date  
Time  
Observer  
Checked by  
Dated by

1943

1943

**VALUABLE**

SUBJECT BENCH MARKS FOR  
PROPOSED WELL SITE AT  
RIFLE RANGE

RETURN TO  
PUBLIC WORKS  
OFFICE  
CAMP LEJEUNE  
NORTH CAROLINA

FIELD PARTY  
DENNIS IN CHARGE  
INSTRUMENT \_\_\_\_\_  
NOTES \_\_\_\_\_  
TAPE READ \_\_\_\_\_  
TAPE OR ROD \_\_\_\_\_  
TAPE OR ROD \_\_\_\_\_  
INSTRUMENT NO. \_\_\_\_\_  
TAPE NO. \_\_\_\_\_

WEATHER  
CLEAR \_\_\_\_\_ SNOW \_\_\_\_\_  
CLOUDY \_\_\_\_\_ HOT \_\_\_\_\_  
WINDY \_\_\_\_\_ MODERATE \_\_\_\_\_  
RAIN \_\_\_\_\_ COLD \_\_\_\_\_  
FAIR \_\_\_\_\_ FOG \_\_\_\_\_  
FIGURED BY \_\_\_\_\_ SHEET 1 of 1  
NOTES CHECKED BY \_\_\_\_\_ DATE 11-5-58  
PLOTTED BY \_\_\_\_\_

FILE No. 218-13  
FLDR. No. \_\_\_\_\_  
DATE 11-5-58

Quad. No. \_\_\_\_\_

STATION	DIST.	ANGLE			H. I. BEARING	VER: ANG. DIFF.	ELEVATION	
		°	'	"				
B.m.				5 10	54.71	49.61	✓	MON # 101
B.m.				2.74	54.80	2 65 52.06	✓	ON TOP BOLT N.E. PIER WATER TANK AT RIFLE RANGE For Well T-18
B.m.						5 19 49.61	✓	MON # 101
B.m.				3 43	59.53	56 10		SPIKE IN P.P.# SR-26 EAST SIDE OF RANGER D. BETWEEN GUARD GATE & BLDG.# RR-39
B.m.				5 48	59.71	5 30 54.23		SPIKE IN P.P.# SR-24 NEAR GUARD GATE For Well T-19
B.m.						3 61 56.10		SPIKE IN P.P.# SR-26

TABULAR

SUBJECT

RETURN TO  
PUBLIC WORKS  
OFFICE  
CAMP LEONE  
NORTH CAROLINA

STATION DAY

ANGLE

BRASS

TOP AND

ELEVATION

DATE

TABULAR

INSTRUMENT NO.

TABULAR FOR

TABULAR FOR

TABULAR

NUMBER

EMERGENCY

IN CHANGE

FIELD ENTRY

Sheet No

FIELD BY

DATE

NO.

NO.

NO.

FIELD No

VALUABLE

SUBJECT Officer Holmes  
Rifle Range

Return To  
 Public Works  
 Office  
 Camp Lejeune  
 North Carolina

FIELD PARTY  
Turlington In Charge  
 Instrument \_\_\_\_\_  
 Notes \_\_\_\_\_  
 Tape Read \_\_\_\_\_  
 Tape or Rod \_\_\_\_\_  
 Tape or Rod \_\_\_\_\_  
 Instrument No. \_\_\_\_\_  
 Tape No. \_\_\_\_\_

WEATHER  
 Clear \_\_\_\_\_  
 Cloudy  \_\_\_\_\_  
 Windy \_\_\_\_\_  
 Rain \_\_\_\_\_  
 Fair \_\_\_\_\_  
 Snow \_\_\_\_\_  
 Hot \_\_\_\_\_  
 Moderate \_\_\_\_\_  
 Cold \_\_\_\_\_  
 Fog \_\_\_\_\_  
 Figured By \_\_\_\_\_  
 Notes Checked By \_\_\_\_\_  
 Plotted By \_\_\_\_\_

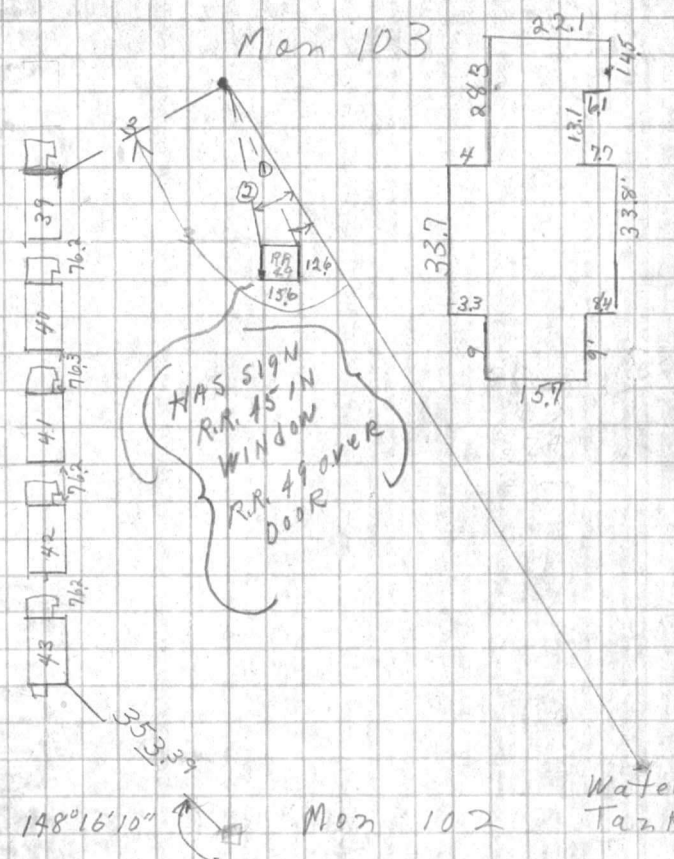
FILE No. 218-13  
 Fldr. No. \_\_\_\_\_  
 Sheet 2/049  
 Date 6/3 19 46

Quad. No. \_\_\_\_\_

Station	Dist.	Angle	+	H. I. Bearing	Ver: Ang. Diff.	Elevation
House 39						
		7619 30				
(3)		228 58 30				
		7619 30				
Well # RR 49						
(2)		173 15				
		19 01 30				
		57 04 30				
(1)		19 01 30	M			
		172 89				
		13 51 45				
		41 35 15				
		13 51 45	M			

Tat Mon #103

BS  
 Water Tank



Plotted By: J.F.M. 6-11-46  
 Checked By: V.L.T. 7-31-46

MON 101

VALUABLE

SUBJECT

Public Works  
Office  
Game License  
Roads

Station

Angle

Baromet

Elevation

WIND DIRECTION

Wind Force

Direction

Force

Time

Time

Time

Time

Time

WEATHER

Clear

Cloudy

Partly

Light

Drizzle

Light

Light

Light

Time

Time

Time

Time

Time

Time

Time

Time

SALE RECORD



PUBLIC WORKS DEPARTMENT  
Camp Lejeune, North Carolina  
Survey Department

File 218-B  
Quadrangle 218  
Date 4 June 1946  
Sheet 1 of 3

Traverse Computation  
Description

*Building Coordinates - Rifle Range Area*

*R.D.D.*

Station	Distance	Bearing	Cosine	Sine	Latitude	Departure	Y Coordinate North	X Coordinate East
Mon. 101 to 102 Bldg. # 43	353.39	50°54'27"E	8420943	5393302	297.59	190.59	309,686.87	2,466,660.00
Mon. 103 to Water Tank Well # RR 45 (1)	172.89	N1°19'46"W	9997314	0231720	172.84	4.05	308,817.31	2,466,674.70
" " " (2)	173.15	N3°50'05"E	9977611	0668786	172.76	11.58	308,990.07	2,466,686.28
Bldg. # 39	209.15	N61°08'05"E	4827517	8757572	100.96	183.16	308,918.27	2,466,857.01
Mon. 102 to 101 Bldg. # RRS	29.04	N0°54'27"W	0172924	9998505	0.50	29.03	309,686.27	2,466,631.90
Mon. 101 to 102 Bldg. # RRI	29.00	S89°00'33"W	0170500	9998546	0.49	28.99	310,634.74	2,466,616.93
Mon. 102 to 101 Bldg. # RR 47 (1)	139.80	S0°54'27"E	9785968	2057867	136.80	78.60	310,634.74	2,466,616.93
" " " (2)	142.40	N11°55'32"W	9572816	2891571	136.31	41.17	310,771.54	2,466,617.37
" " 19 (3)	444.31	N16°48'27"W	9209834	3896017	409.20	173.10	311,043.94	2,466,472.87
" " 16 (4)	628.14	N22°55'47"W	4800661	8772373	301.55	551.02	310,936.29	2,466,094.90
" " 17 (5)	464.01	N61°18'37"W	6203609	7843164	287.85	363.93	310,927.59	2,466,791.99
" " 17 (6)	441.60	N51°39'27"W	6765654	7363825	298.77	325.18	310,933.51	2,466,370.71

Plotted By: V.C.T. 6-5-46  
checked By: J.F.M. 6-11-46



PUBLIC WORKS DEPARTMENT  
Camp Lejeune, North Carolina  
Survey Department

File 218-13  
Quadrangle 218  
Date 4 June 1946  
Sheet 7 of 3

Traverse Computation  
Description

*Building Coordinates - Rifle Range Area*

*RDP*

Station	Distance	Bearing	Cosine	Sine	Latitude	Departure	Y Coordinate North	X Coordinate East
Bldg. # RR18 (7)	405.71	N30°00'12"W	8657054	5005541	350.79	202.22	310,634.74	2,466,645.92
" " " (8)	400.34	N26°56'27"W	8914748	4530702	356.89	181.38	310,991.63	2,466,464.54
U.S.N. # 7 to 6		S2°24'00"E					309,079.90	2,468,792.24
Bldg. # 210	7.00	S46°54'00"W	6836984	7297646	4.78	5.10	309,075.12	2,468,787.14
" " 217	105.05	S84°42'30"E	0922257	9957381	4.68	104.60	309,070.42	2,468,896.84
U.S.N. # 6 to 7		N2°24'00"E					308,138.29	2,468,752.78
Bldg. # 201	7.05	N42°43'40"W	7345857	6785159	5.17	4.78	308,143.46	2,468,748.00
" " 211	104.86	N89°34'30"E	0074175	9999725	0.78	104.85	308,137.27	2,468,857.63
U.S.N. # 7 to 6		S2°24'00"W					308,138.29	2,468,752.78
Bldg. # 218	204.75	S89°44'30"E	0030543	9999953	8.48	204.72	308,134.81	2,468,957.50
U.S.N. # 6 to 7		N2°24'00"E					309,079.90	2,468,792.24
Bldg. # 206	204.92	S86°07'00"E	0677250	9977040	13.88	204.45	309,066.02	2,468,996.69
U.S.N. # 6 to 7		N2°24'00"E					308,138.29	2,468,752.78
P.O.T.	555.21	N2°24'00"E	9991228	0418256	554.72	23.25	308,693.01	2,468,776.53

Plotted By: J.F.M. 6-11-46  
Checked By: VLT 8-6-46

WORLD FOOD WEALTH

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PUBLIC WORKS DEPARTMENT  
Camp Lejeune, North Carolina  
Survey Department

File 218-B  
Quadrangle 218  
Date 4 June 1946  
Sheet 3 of 3

Traverse Computation  
Description

*Building Co-ordinates - Rifle Range Area.*

*RDP*

Station	Distance	Bearing	Cosine	Sine	Latitude	Departure	Y Coordinate North	X Coordinate East
							308,693.01	2,468,776.03
Bldg. # 200 (1)	314.80	S59°52'20"W	5019301	8649082	158.00	272.27	308,535.01	2,468,503.76
" " (2)	370.90	S77°49'10"W	2109930	9774876	78.25	362.55	308,614.76	2,468,413.48
Well T-1 HRR227 (3)	603.38	S79°33'20"W	1812820	9834311	109.38	593.38	308,583.63	2,468,182.65
(4)	608.80	S80°45'50"W	1605033	9870353	97.71	600.90	308,595.30	2,468,175.13
Mon. 103 to 104		S0°54'26"E					308,217.66	2,466,684.20
P.T. # A	739.18	S14°42'34"W	9673259	2539174	715.03	187.69	307,502.63	2,466,496.51
Bldg. # RR 48 (A)	55.00	S43°20'56"E	7772873	6864391	40.00	37.75	307,467.63	2,466,534.26
" " " " (B)	61.41	S35°12'06"E	8171281	5764561	50.18	35.40	307,487.25	2,466,531.91
102 to 101		N0°54'26"W					309,686.87	2,466,660.93
P.O.T.	180.0	N0°54'26"W	9998746	0158333	179.98	2.85	309,866.85	2,466,658.09
Bldg. # RR 6 (A)	386.84	S83°20'04"W	1160736	9933080	44.90	384.25	309,821.95	2,466,273.83
" " " " (B)	415.26	N81°15'26"W	1519988	9883807	63.11	410.43	309,949.96	2,466,247.65

Plotted By: *J.F.M.* 6-11-46  
Checked By: *YLT* 8-6-46

11030 ZID  
 599  
 217  
 1226  
 De Hoop  
 11710

$$\begin{array}{r}
 24 \overline{) 160} \\
 \underline{144} \phantom{0} \\
 160
 \end{array}$$

VALUABLE

SUBJECT

TEST BORING

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

RIFLE RANGE

Swimming Pool

FIELD PARTY  
Garner In Charge  
Instrument  
Notes  
Tape Read  
Tape or Rod  
Tape or Rod  
Instrument No.  
Tape No.WEATHER  
Clear  
Cloudy  
Windy  
Rain  
Fair  
Snow  
Hot  
Moderate  
Cold  
Fog  
Figured By  
Notes Checked By  
Plotted By

FILE No.

218-B

Fldr. No.

Sheet

#1 of 3

Date

6/26 1946

Quad. No.

218

Station	Dist.	Angle " "	+	H. I. Bearing	Ver: Ang. Diff.	Elevation
1+26.00 = #1		274		5363	89	50.89 44.73 ✓
						Depth of Hole 40 40.7 ✓
		" "		" "	11.5	<del>42.1</del> 33.2 ✓
						Depth of Steel Rod 13.5 31.2 ✓
						06 44.1 ✓

6" OAK  
(GROUND ELE. (INDITCH))  
BLACK SAND (MUD?)  
BROWN SAND

Sand packed too tight to withdraw auger  
from a greater depth.

Contact of 2" Steel Rod with apparently a  
fairly solid strata.

WATER TABLE

VALUABLE

2 BERT

Public Works  
Office  
Camp Leland  
North Carolina

WEATHER

FIELD PART

FILE NO

Snow  
Fog  
Clouds  
Wind  
Cold  
Rain  
Fog

Clear  
Mist  
Light  
Dark  
Heavy

FILE NO

Checked By

Checked By

FILE NO

Checked By

Checked By

DATE

Checked By

Checked By

FILE NO

RECEIVED

STATION

DATE

TIME

FILE NO



VALUABLE

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

SUBJECT Test Boring  
Swimming Pool  
Rifled Range

FIELD PARTY  
Garnett In Charge  
Instrument \_\_\_\_\_  
Notes \_\_\_\_\_  
Tape Read \_\_\_\_\_  
Tape or Rod \_\_\_\_\_  
Tape or Rod \_\_\_\_\_  
Instrument No. \_\_\_\_\_  
Tape No. \_\_\_\_\_

WEATHER  
Clear \_\_\_\_\_  
Cloudy \_\_\_\_\_  
Windy \_\_\_\_\_  
Rain \_\_\_\_\_  
Fair \_\_\_\_\_  
Snow \_\_\_\_\_  
Hot \_\_\_\_\_  
Moderate \_\_\_\_\_  
Cold \_\_\_\_\_  
Fog \_\_\_\_\_  
Figured By \_\_\_\_\_  
Notes Checked By \_\_\_\_\_  
Plotted By \_\_\_\_\_  
Quad. No. 218

FILE No. 218-13  
Fldr. No. \_\_\_\_\_  
Sheet # 2 of 3  
Date 6/26 1946

Station	Dist.	Angle "	+	H. I. Bearing	Ver: Ang. Diff.	Elevation	
				274 53 63		50.89	6" OAK
					9 13	44.50	GROUND ELE. BRACK MUD BROWN SAND 90% CLAY - SAND BLIE MUCK
				Depth of Hole 45		40.0	
				" " "	140	30.5	
				" " "	220	22.5	
				Water Table	1.5	43.0	

1467.00  
= H2

RELEASABLE  
Return To  
Public Works  
Office  
Camp Johnson  
North Carolina

SUBJECT

Station  
Dir.  
Angle

H. J.  
Barrish

Vert. Ang. Elev. 110°  
Dist.

FIELD PARTY

In Charge  
Instrument  
Notes  
Tape Roll  
Tape in Roll  
Tape in Roll  
Tape in Roll  
Tape No.

WEATHER  
Snow  
Ice  
Moonlight  
Wind  
Rain  
Fog

Hidden by  
Notes checked by  
Checked by

Grid No.

FILE NO.

Plot No.

Sheet

Date

VALUABLE

SUBJECT

Test Borings  
Swimming Pool  
11 Rifled Range

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

FIELD PARTY

Garner In Charge  
Instrument  
Notes  
Tape Read  
Tape or Rod  
Tape or Rod  
Instrument No.  
Tape No.

WEATHER

Clear  
Cloudy  
Windy  
Rain  
Fair  
Snow  
Hot  
Moderate  
Cold  
Fog

FILE No. 218-15  
Fldr. No. \_\_\_\_\_  
Sheet # 3 of 3  
Date 6/26 19 46  
Plotted By \_\_\_\_\_  
Quad. No. 218

Station	Dist.	Angle " "	+	H. I. Bearing	Ver: Ang. Diff.	Elevation	
				274 5363		50.89	6" OAK
2+12.00 = #3					11.8	41.83 ✓	GROUND ELE.
				Depth of Hole	3.0	38.8 ✓	BLACK MUD
				" " "	11.0	30.8 ✓	BROWN SAND
				Depth of Steel Rod	11.0	30.8 ✓	
				Water Table	2.6	39.2 ✓	Sand Packed too tight to withdraw auger from a greater depth.

VALUABLE

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

SUBJECT

Station

Dist.

Angle

Ht.  
Sighting

Dist.  
Sighting

FIELD PARTY

In Charge

Instrument

Notes

Time Used

Remarks

Tap on Rod

Instrument No.

Tap No.

WEATHER

Snow

Fog

Clear

Cloudy

Partly

Clear

Fog

FILE NO.

Field No.

Sheet

Notes Checked By

Dated

Guard No.

RECEIVED  
MAY 19 1950  
U.S. ARMY  
ENGINEERING CENTER  
FORT MONROE  
VA.

VALUABLE

Return To  
Public Works  
Office  
Camp Lejeune  
North Carolina

SUBJECT

Location Bldg  
# 6 Rifle Range

FIELD PARTY

Turlington In Charge  
Instrument  
Notes  
Tape Read  
Tape or Rod  
Tape or Rod  
Instrument No.  
Tape No.

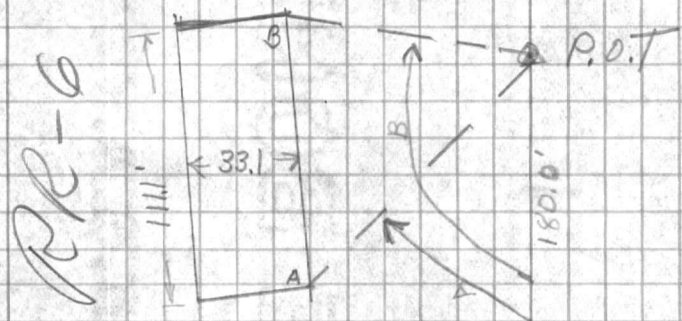
WEATHER

Clear  
Cloudy  
Windy  
Rain  
Fair  
Snow  
Hot  
Moderate  
Cold  
Fog

FILE No. 218-13  
Fldr. No.  
Sheet 49079  
Date 5-29 1946  
Quad. No. 218

Station	Dist.	Angle	"	+	H. I. Bearing	Ver: Ang. Diff.	Elevation
Bldg RR 6							
Cor A	386 <sup>84</sup>						
	84	1430					
	252	4330					
	84	1430		M			
Cor B	415 <sup>26</sup>						
	99	39					
	298	57					
	99	39		M			

Δ Mon 101



Δ Mon # 102

Plotted By: TDR  
6-7-46

Plotted By: V.C.T. 6-5-46  
Checked By: J.F.M. 6-11-46

VALUABLE  
Return to  
Public Works  
Office  
Camp Lejeune  
North Carolina

CU 1501

Station      Dist      Angle      Bearing      Alt.      Elevation

WEATHER  
Clear  
Snow  
Part  
Cloudy  
Moderate  
Rain  
Cold  
Fog

FIELD PARTY  
In Charge  
Instrument  
Notes

Time Read  
Time of Day  
Time of Day

Plotted By  
Notes Checked By  
Plotted By

Quad No.

Instrument No.  
Tape No.

Field No.

Plot No.

Sheet

Date