

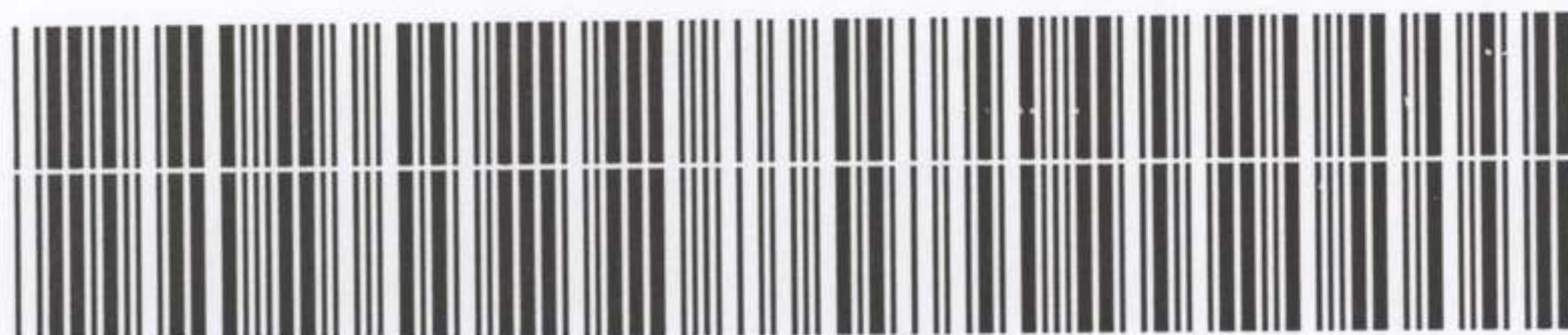
**AWM4**  
**Australian Imperial Force unit war diaries,  
1914-18 War**

Artillery

**Item number:** 13/4/5 Part 2

**Title:** General Officer Commanding, Royal  
Artillery, 1st ANZAC Corps and  
Headquarters, Royal Artillery,  
Australian Corps

September 1917



AWM4-13/4/5PART2



ARTILLERY INSTRUCTIONS No.141  
by  
G.O.C.R.A. 1st ANZAC.

22nd September 1917.

1. Preliminary Instructions Nos.1 and 2, 1st ANZAC Corps, lay down the changes in boundaries between the 1st ANZAC and the X Corps.
2. The Right Divisional Artillery will hand over the defence of the front from the REUTEL BEEK to BLACK WATCH CORNER, to the Divisional Artillery on their right (the 23rd), on the night of 22nd/23rd.  
also  
The X Corps assume responsibility for this portion of the line at 7.0 a.m. on the 23rd.
3. There is a slight adjustment of the inter-divisional boundary; the dividing line for the Artillery runs from J.9.b.25.80 and thence parallel to the POLYGONVELD road at a distance of 100 yards.
4. The necessary adjustment will be made, and the responsibility for the changed area will pass at 7.0 a.m. on the 23rd.
5. The Southern Boundary of the Corps Counter Battery area is the grid line passing East and West between Squares J.8, 9, 10, 11, etc. and J.15, 16, 17, 18, etc. The change will take place at 7.0 p.m. on the 22nd.
6. The same grid line on the South will be the boundary for all bombardments, barrages, etc., the change taking place at 7.0 a.m. on the 23rd.
7. There is no alteration in the Northern boundaries.
8. The lanes of fire will be organized as in the last operation, the Field Artillery superimposing one Brigade in each Divisional area; but in the case of the Heavy Artillery the two 6" Howitzer batteries of the mobile Sub-Groups will not be superimposed on the barrage, but will remain at the disposal of the C.B.S.O., unless or until called on by Divisional Commanders or for other purposes, on the actual day of attack.
9. The C.R.A.'s of the 5th and 4th Australian Artillery Divisions assume command of the Right and Left Artilleries at the same time as their Divisional Commanders.
10. ACKNOWLEDGE ON FORM ATTACHED.

*R.A. Seep*  
Major R.A.  
Staff Officer R.A. 1st Anzac.

Issued as under :-

- |                              |                           |
|------------------------------|---------------------------|
| Copy No.1. H.A. 1st Anzac.   | 11. R.A. X Corps. *       |
| 2. C.B.S.O.                  | 12 to 18. 1st Anzac "G" * |
| 3. 1st Aust. D.A.            | 19. 1st Anzac "Q" *       |
| 4. 2nd Aust. D.A.            | 20. 2nd Wing R.F.C. *     |
| 5. 3rd Aust. D.A. *          | 21. 4th Sqdn. R.F.C. *    |
| 6. 4th Aust. D.A.            | 22. 17th Balloon Coy. *   |
| 7. 5th Aust. D.A.            | 23. Diary.                |
| 8 and 9. R.A. Second Army. * | 24. File.                 |
| 10. R.A. V Corps. *          | 25 to 28. Spare.          |

\* for information.



9  
SECRET.

(34)

ARTILLERY INSTRUCTIONS No.142  
by  
G.O.C.R.A. 1st ANZAC.  
-----

103  
*Appendix No 34*  
23  
Copy No.

22nd September 1917.

Reference Artillery Instructions No.140.

1. Time of commencement of the barrage will be 7.0 a.m. on  
"H" day, 23rd September.

2. For this barrage and all subsequent barrages prior to  
Attack Day (2) it is of the greatest importance that early  
reports should be received of the enemy barrage in reply, as  
follows :-

A. Time of commencement.

B. Nature of barrage (calibre, and whether heavy,  
medium, or light)

C. Locality barraged.

3. ACKNOWLEDGE ON FORM ATTACHED.

*R. E. Lewis*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

Copy No.1.	Heavy Artillery 1st Anzac.	
2.	Counter Battery Staff Officer.	
3.	1st Aust.Divnl.Artilletry.	
4.	2nd Aust.Divnl.Artilletry.	
5.	3rd Aust.Divnl.Artilletry.	for information.
6.	4th Aust.Divnl.Artilletry.	
7.	5th Aust.Divnl.Artilletry.	
8 and 9.	R.A.Second Army.	}
10.	R.A. V Corps.	
11.	R.A. X Corps	
12 to 18.	1st Anzac "G"	
19.	1st Anzac "Q"	
20.	2nd Wing R.F.C.	}
21.	4th Squadron R.F.C.	
22.	17th Balloon Coy.	
23.	Diary.	
24.	File.	
25 to 28.	Spare.	



S E C R E T.

Copy No.

ARTILLERY INSTRUCTIONS No.143  
by  
G.O.C.R.A. 1st ANZAC.

22nd September 1917.

1. The Bombardment Barrage ordered in Artillery Instructions No. 140 will be carried out in conjunction with the X Corps. The barrage will cover the front of this Corps as constituted before the changes ordered in Artillery Instructions No.141, so far as X Corps boundary is concerned.
2. A Bombardment Barrage as per attached diagram will be carried out on "I" day.
3. Hour of commencement will be notified later.
4. Starting point 100 yards East of 18-pdr "S.O.S." line.
5. Order of barrage from West to East "B" "A" "D" "E".
6. 4.5" Howitzers will not fire 106 fuze.
7. Rates of fire as in Artillery Instructions No.140.
8. Ammunition expenditure estimated per gun :-

18-prs.	4.5" Hows.	6" Hows.	3" & 9.2" Hows. & 60-prs.
84	42	28	21

9. ACKNOWLEDGE ON FORM ATTACHED.

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

- Copy No.1. Heavy Artillery 1st Anzac.  
 2. Counter Battery Staff Officer.  
 3. 1st Aust.Divnl.Artillery.  
 4. 2nd Aust.Divnl.Artillery.  
 5. 3rd Aust.Divnl.Artillery.  
 6. 4th Aust.Divnl.Artillery.  
 7. 5th Aust.Divnl.Artillery.  
 8 and 9. R.A. Second Army.  
 10. R.A. V Corps.  
 11. R.A. X Corps.  
 12 to 18. 1st Anzac "G"  
 19. 1st Anzac "Q"  
 20. 2nd Wing R.F.C.  
 21. 4th Squadron R.F.C.  
 22. 17th Balloon Coy.  
 23. Diary.  
 24. File.  
 25 to 28. Sparo.

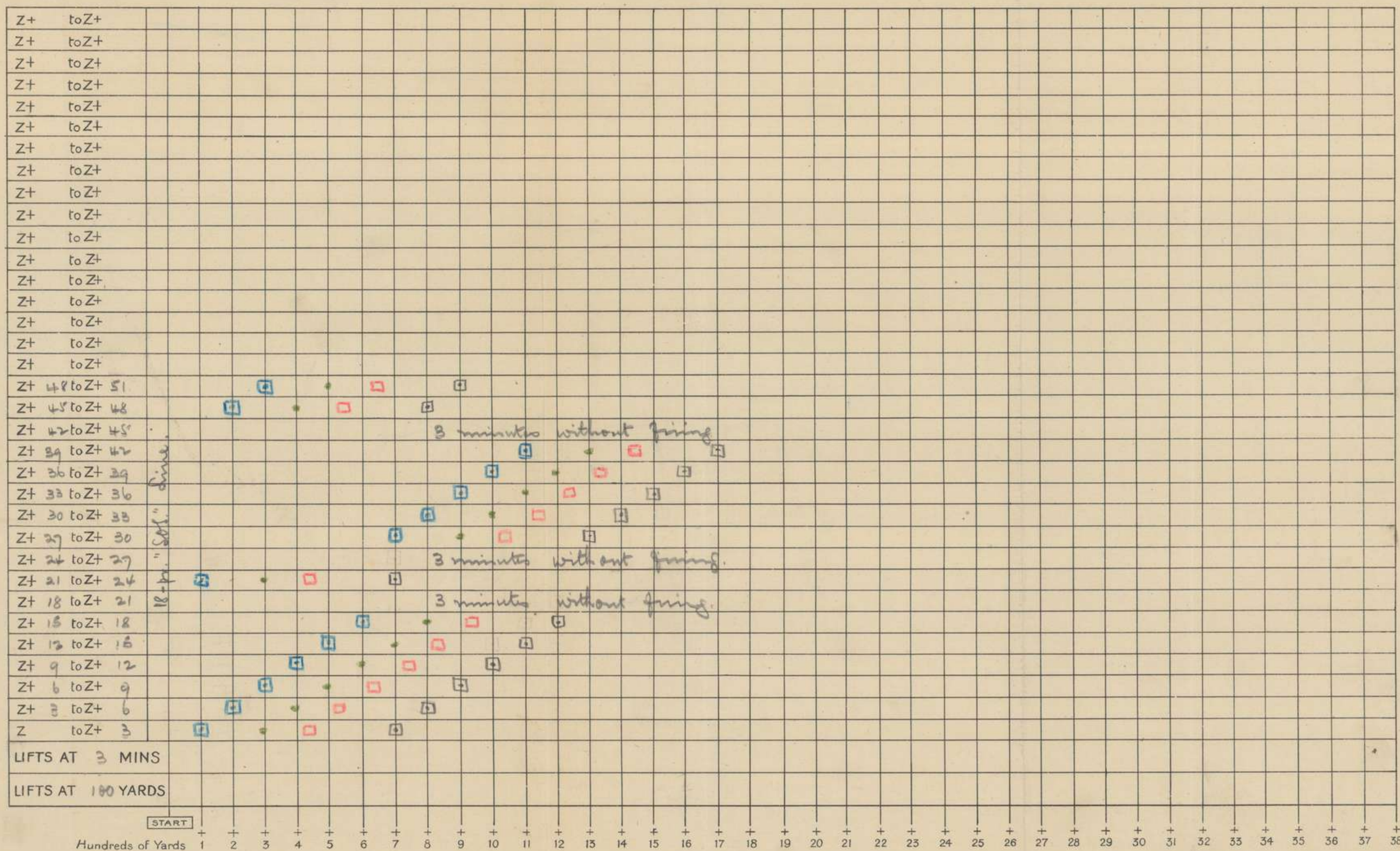
for information.



-DIAGRAM FOR BARRAGE—

Appendix № 35  
105

1st Banage 'I' Day.





1<sup>st</sup> Barrage

I Day.

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(4198) Wt. W14042—M44. 300000 Pads. 12 15. Sir J. C. & N.



23rd September 1917.

BARRAGES "J" DAY.

1. There will be two Bombardment Barrages on "J" day.
  - A. An Army Bombardment Barrage.
  - B. A Corps Bombardment Barrage.
2. Times of commencement :-
  - A. In the early morning, at a time to be notified later.
  - B. 60 minutes after the completion of A.
3. The starting line will be 150 yards East of the Infantry jumping off line for Attack day (2) as per attached tracing. In the event of Infantry occupying posts in advance of, or too close to the jumping off line, C.R.A.'s will ensure that the barrages are put down at a safe distance from them, and that the Heavy Artillery are informed of the necessary alteration.
4. Diagrams of Barrages are attached.
5. 106 fuzes will not be used within the following distances from the jumping off line :-
 

4.5" Howitzers.	450 yards.
6" Howitzers.	600 yards.
8" & 9.2" Hows.	800 yards.
6. Estimate of ammunition and rates of fire per gun per minute.

Barrage A.	18-pr.	4.5" How.	6" How.	8" & 9.2" How. & 60-pr.
Zero to Zero + 45.	2	1	2/3	1/2
Zero + 45 to Zero + 60.	1	1	2/3	1/2
Ammunition	105	60	40	30
Barrage B.				
Zero to Zero + 18	2	1	2/3	1/2
Ammunition	30	15	10	7
Total	135	75	50	37

7. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. Sear*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

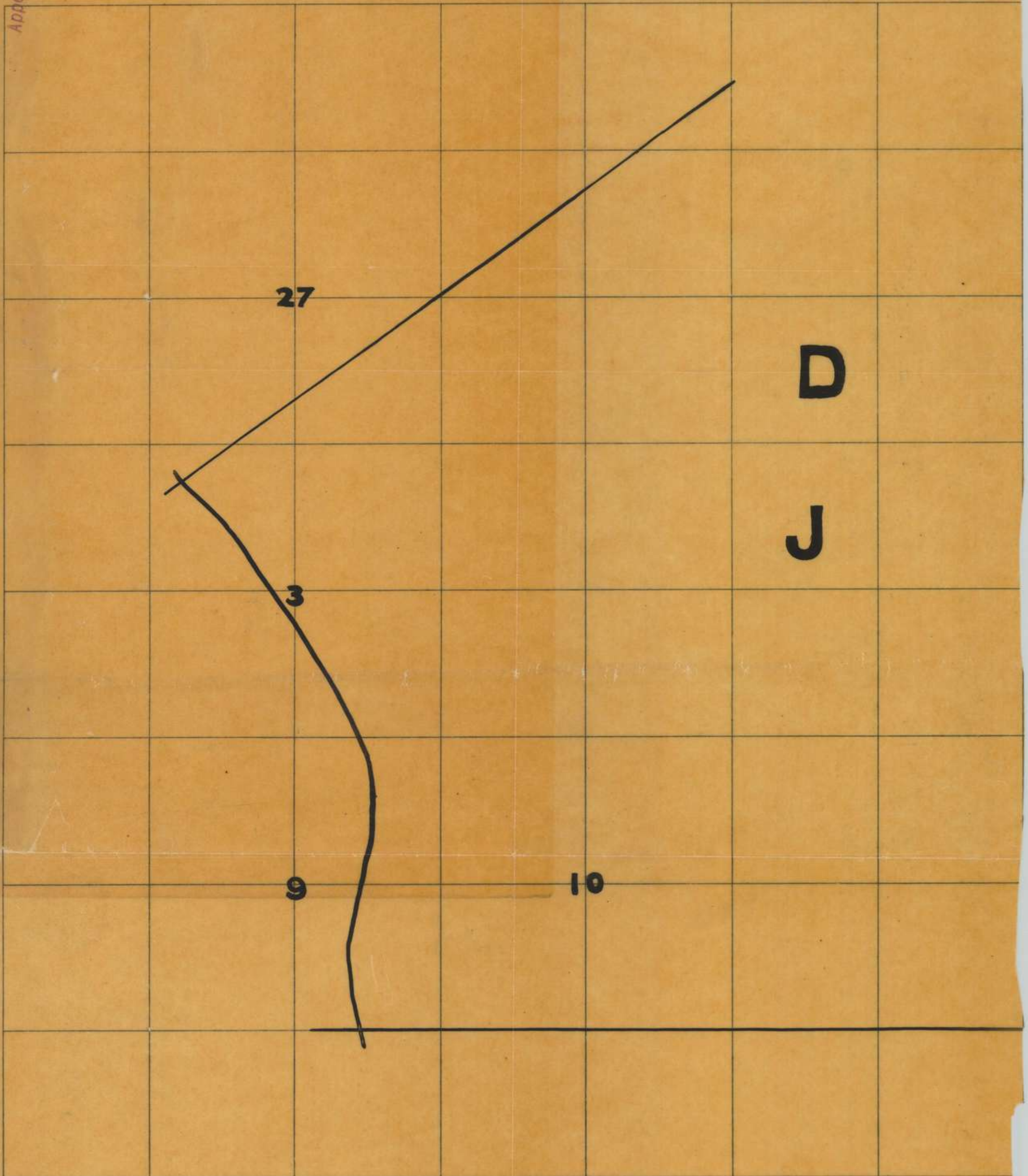
- |                             |                           |
|-----------------------------|---------------------------|
| Copy No. 1. H.A. 1st Anzac. | 11. R.A. X Corps. *       |
| 2. C.B.S.O.                 | 12 to 21. 1st Anzac "G" * |
| 3. 1st Aust.D.A.            | 22. 1st Anzac "Q" *       |
| 4. 2nd Aust.D.A.            | 23. 2nd Wing R.F.C. *     |
| 5. 3rd Aust.D.A.            | 24. 4th Sqdn. R.F.C. *    |
| 6. 4th Aust.D.A.            | 25. 17th Balloon Coy*     |
| 7. 5th Aust.D.A.            | 26. Diary.                |
| 8 and 9. R.A. Second Army.* | 27. Filo.                 |
| 10. R.A. V Corps. *         | 28 to 31. Sparo.          |

\* for information



Appendix No. 36

# Identification Trace for use with Artillery Maps.



NOTE.—(1). These traces are intended to facilitate the communication of information as to the position of targets, which have been located on a squared map.  
 (2). The squares on this trace are 500 yards in length on the 1/10,000 scale, 1,000 yards in length on the 1/20,000 scale, and 2,000 yards in length on the 1/40,000 scale.  
 (3). The squares on the trace are fitted to the squares of the map showing the targets, which are then drawn on the trace. Sufficient letters and numbers must also be added to enable the recipient to place the trace in the correct position on his own map. A little detail may also be traced, but this is not essential. The name and scale of the map to which the trace refers must be always given. The trace can be used for the 1/10,000, 1/20,000, or 1/40,000 scale.

G.S.G.S. 3023.

Tracing taken from Sheet

of the 1:.....map

Signature.....

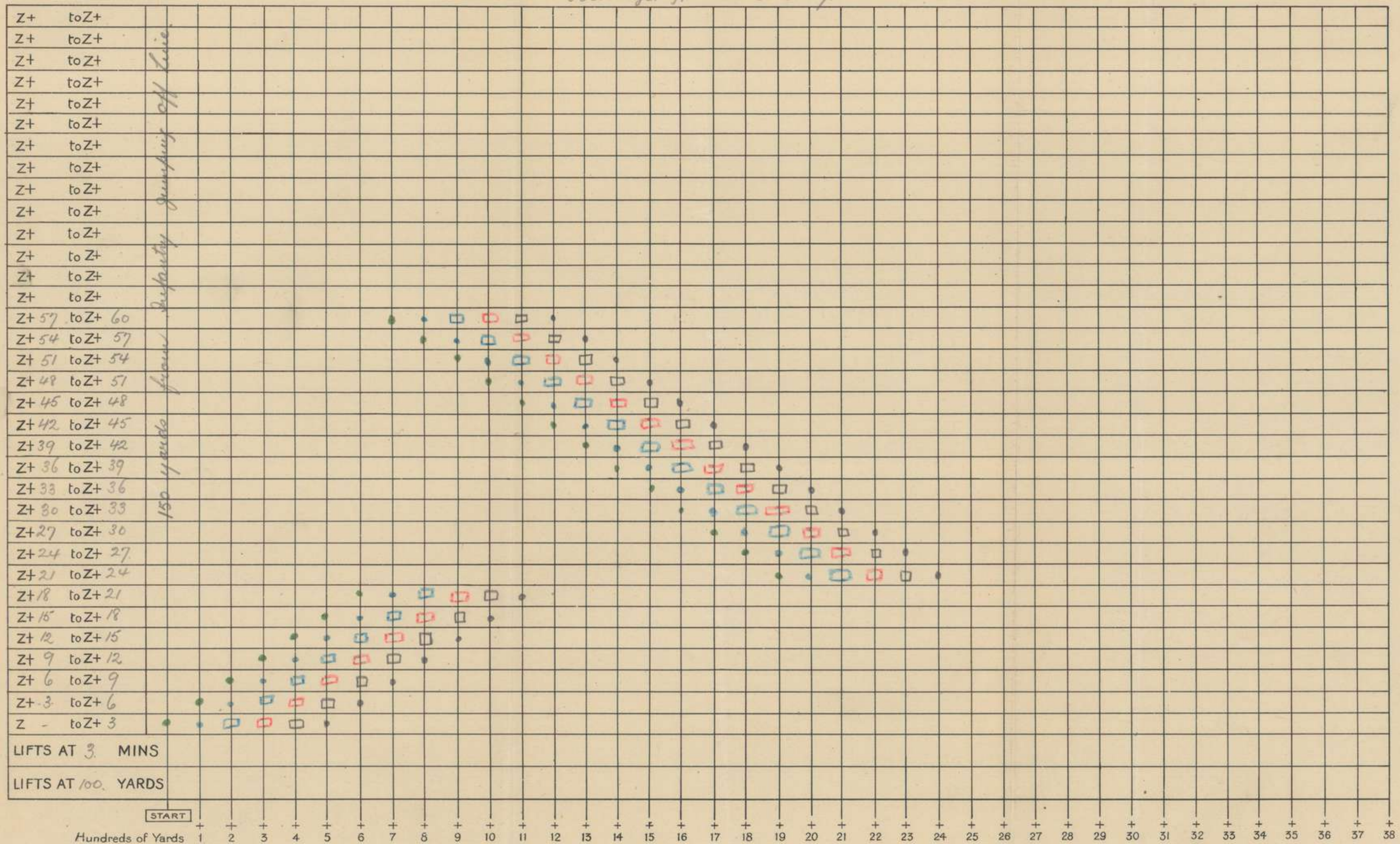


A. 18 pdr. 12 pdr. 4.5" How. M.G. 6" How. 60 pdr. 8" & 9.2" How.

# DIAGRAM FOR BARRAGE

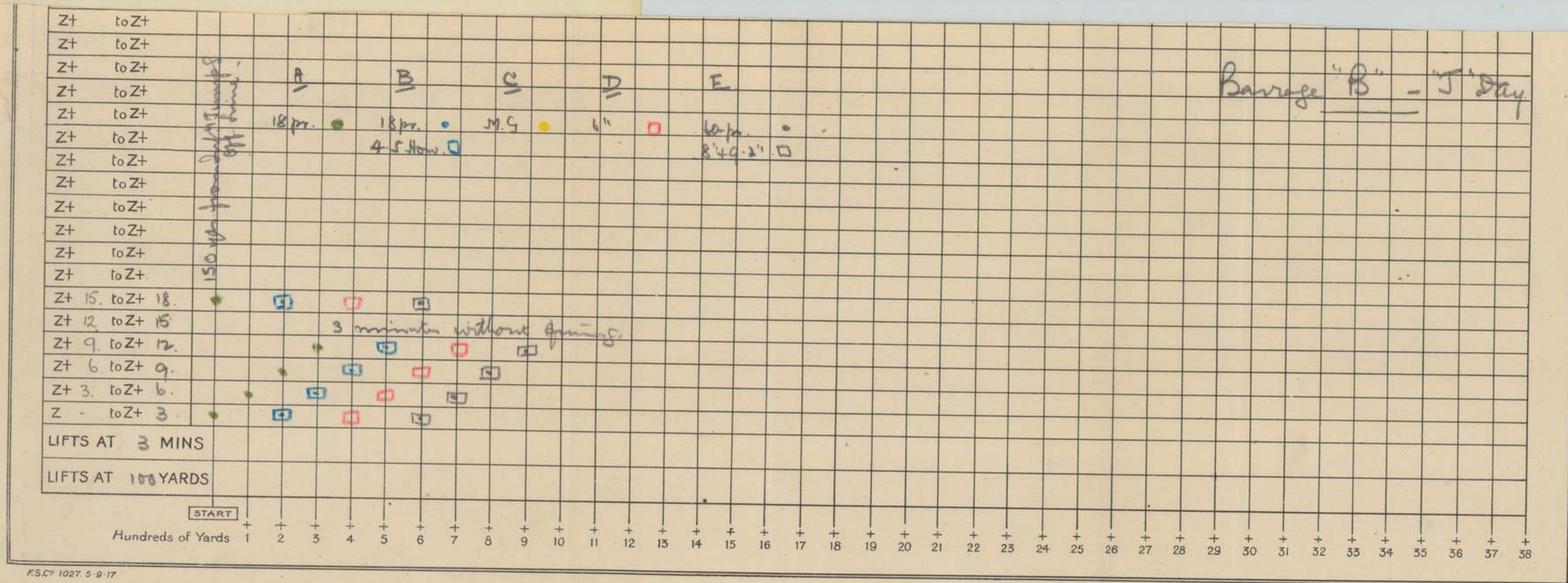
Appendix No. 36  
109

Barrage "A" - J day.





Appendix No 36

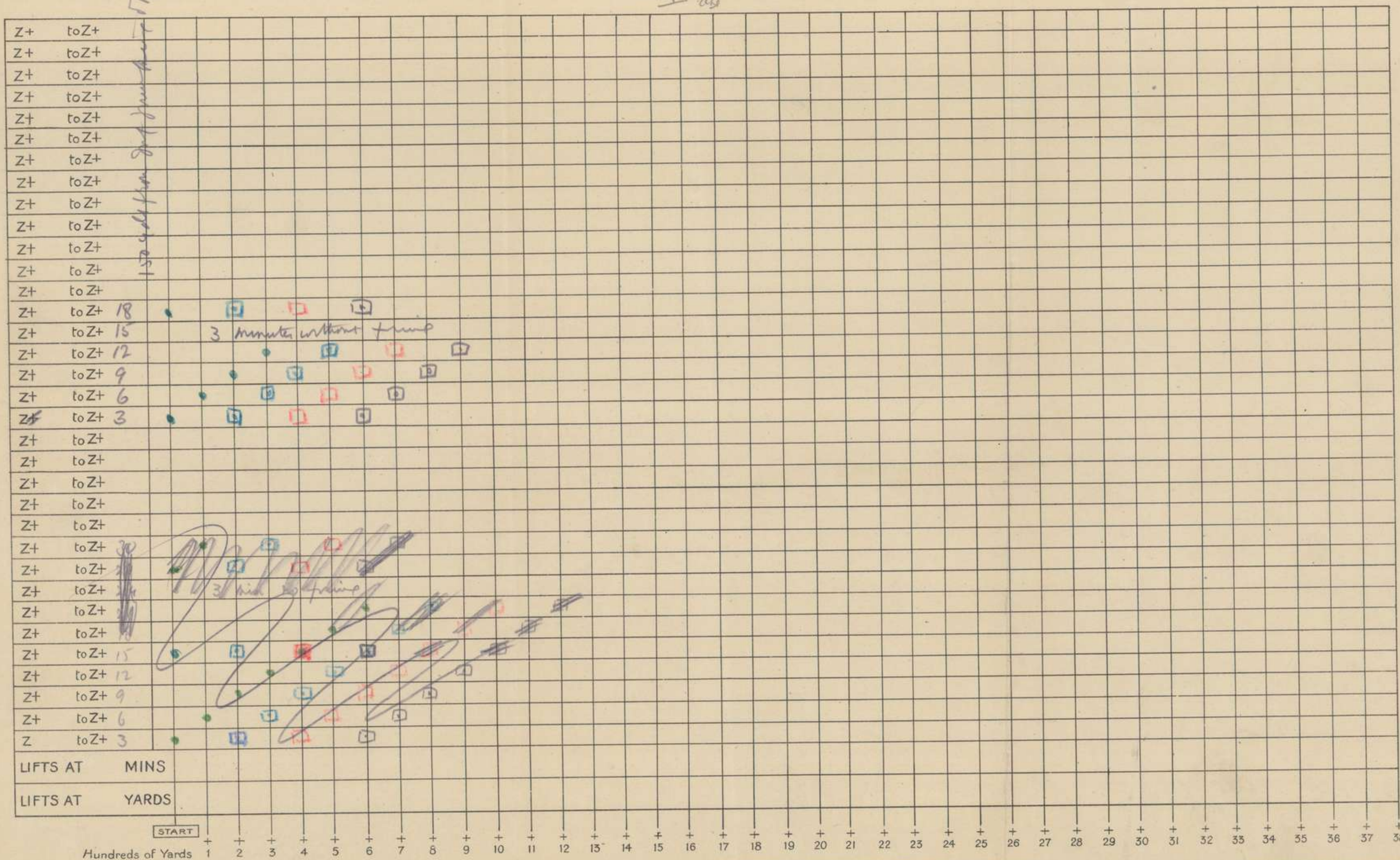




-DIAGRAM FOR BARRAGE

Banana B J Day

12 copies





## Army Form O. 2121.

(4198) Wt. W14042-M44. 800360 Pads. \* This line should be 12/15. Sir J. C. & S.



ARTILLERY INSTRUCTIONS No. 145

by  
G.O.C.R.A. 1st ANZAC.

24th September 1917.

1. At Zero hour on the day of attack a barrage will be put down similar to that ordered in Artillery Instructions 125.
2. The two stages of the advance are as follows :-
  - (a) The RED LINE. J.10.c.2.0 - J.10.c.55.55 - J.10.a.88 - J.4.c.65.45 - J.4.c.8.8 - D.27.d.9.4 - D.27.d.8.8.
  - (b) The BLUE LINE. JOIST FARM inclusive - JETTY trench - JUBILEE trench - line of the road leading to the Brick Kiln as far as J.27.b.95.10.
3. The starting line of the Infantry is shown on the maps which are issued.
4. The innermost barrage will be 150 yards in front of the line shown.
5. The barrage will advance as shown on the diagram and maps issued to all concerned.
6. On reaching the protective barrage line for the second stage, the 1st line of 18-prs will remain on this line during the time of consolidation; the 4.5" Howitzer barrage will remain 200 yards beyond the 18-pr barrage, and the machine guns will search the ground for 600 yards behind this.
 

The 8" Howitzer, 9.2" Howitzer, and 60-pr barrage will cease fire at Zero +147 for 15 minutes to adjust their lines, and from Zero +162 to Zero +327 will search the ground behind the Machine Gun barrage, as shown on attached diagram.
7. The fire ceases unless further required, at Zero +327.
8. Every 18-pr gun of the 1st barrage line, as it reaches each successive protective barrage, will fire three rounds of Smoke Shell in quick succession to mark its arrival on that line.
9. There will be no over-lap of the barrage on the left of the Corps front, and Shrapnel only will be fired within 150 yards of the boundary line.

On the right there will be an over-lap of 50 yards.

10. The rates of fire are as follows :-

	18-pr.	4.5" How.	6" How.	8" How.	9.2" How.	60-pdr.
Per gun per minute.	During advance.					
	2	1	2/3	1/2	1/2	1/2
	During time Infantry are halted.					
	1	1/2	1/3	1/4	1/4	1/4
	During first four minutes.					
	4	-	-	-	-	-
	For four minutes before advancing after each pause on a protective barrage line.					
	4	1	-	-	-	-



(2)

11. ACKNOWLEDGE ON FORM ATTACHED.

*R. C. Lewis*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

Copy No.1.	Heavy Artillery 1st Anzac.	
2.	C.B.S.O.	
3.	1st Aust.Divnl.Artillery.	(for information)
4.	2nd Aust.Divnl.Artillery.	(for information)
5.	3rd Aust.Divnl.Artillery.	(for information)
6.	4th Aust.Divnl.Artillery.	
7.	5th Aust.Divnl.Artillery.	
8 and 9.	R.A.Second Army.	) for information.
10.	R.A. V Corps.	
11.	R.A. X Corps.	
12 to 21.	1st Anzac "G"	
22.	1st Anzac "Q"	
23.	2nd Wing R.F.C.	
24.	4th Squadron R.F.C.	
25.	17th Balloon Coy.	
26.	Diary.	
27.	Filo.	
28 to 31.	Spare.	



TABLE SHEWING MOVEMENT OF CREEPING BARRAGE AFTER CAPTURE OF FINALOBJECTIVE.

To accompany Instructions for Barrage on day of attack.

AMMUNITION REQUIRED.

- |                       |    |  |
|-----------------------|----|--|
|                       | 1. | From Zero + 147 to Zero + 162 all Heavy and Medium Howitzers cease fire to adjust lines.   |
|                       | 2. | At Zero + 162, 6" Howitzers advance on a line parallel to consolidation line at the rate of 100 yards in 4 minutes for 12 consecutive lifts, creep back again to within 600 yards of the consolidation line at same rate, forward again to the same limits and back once more until Zero + 327; then cease fire. 165 minutes firing. |
| 6" Hows. 83 rounds.   |    | Rate of fire :- 1 round every two minutes.   |
| 8" Hows. 55 rounds.   | 3. | 8" and 9.2" Hows. The same on a line parallel to the 6" Howitzers 100 yards in advance of it. Rate of fire :- 1 round in three minutes.  |
| 9.2" Hows. 55 rounds. |    |  |
| 60-pdrs. 55 rounds.   | 4. | 60-pdrs. the same, on the same line as the 8" and 9.2" Howitzers. Rate of fire :- 1 round in three minutes.  |

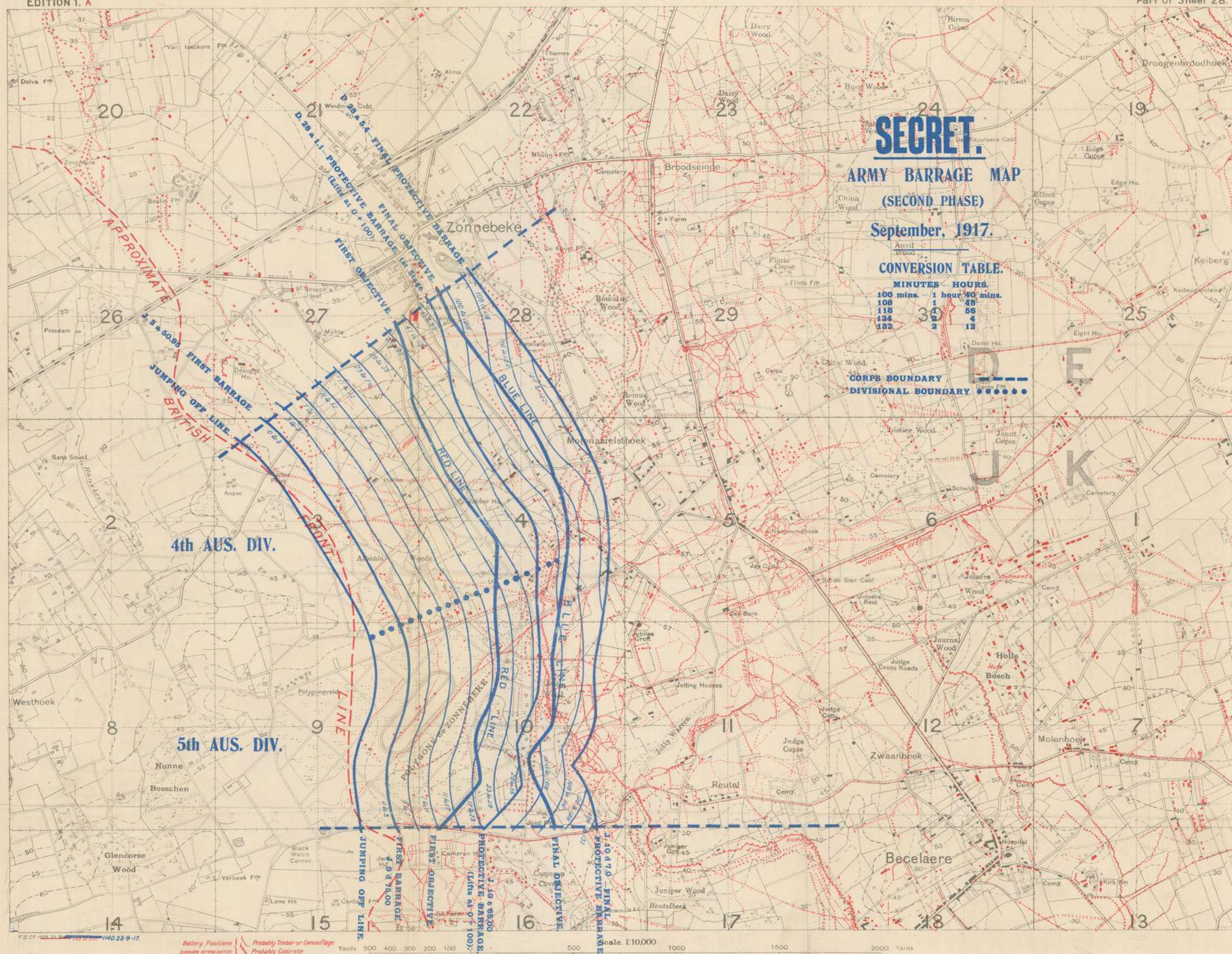


EDITION 1. A

## BECELAERE

German Trenches corrected to 21-9-17.

Part of Sheet 28.





(4198) Wt. W14042—M44. 800000 Pads. 12 15. Sir J. C. & S.



SECRET.

38

Appendix No. 38

Copy No. 26

ARTILLERY INSTRUCTIONS No. 146  
by  
G.O.C.R.A. 1st ANZAC.

24th September 1917.

1. A Bombardment Barrage over the Second Army front will be carried out on the day after the attack ( L day )
2. Time of commencement will be 5.0 a.m.
3. Order from West to East will be "A" "B" "D" "E".
4. Distance between M.P.I. of barrages will be 150 yards.
5. Times, lifts and distances are shown in attached diagram.
6. Starting line of "A" barrage on "S.O.S." lines.

7.	<u>Rates of fire</u>	<u>Required.</u>
	<u>18-pr.</u> 2 rounds per gun per minute	66 rounds.
	<u>4.5" How.</u> 1 round per gun per minute	51 do.
	<u>6" How.</u> $\frac{2}{3}$ round per gun per minute	34 do.
	<u>8" How.</u> $\frac{1}{2}$ round per gun per minute	25 do.
	<u>9.2" How.</u> $\frac{1}{2}$ round per gun per minute	25 do.
	<u>60-pdr.</u> $\frac{1}{2}$ round per gun per minute	25 do.

8. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. Staff*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

- |             |                             |                   |
|-------------|-----------------------------|-------------------|
| Copy No. 1. | Heavy Artillery 1st Anzac.  |                   |
| 2.          | C.B.S.O.                    |                   |
| 3.          | 1st Aust. Divnl. Artillery. | (for information) |
| 4.          | 2nd Aust. Divnl. Artillery. | (for information) |
| 5.          | 3rd Aust. Divnl. Artillery. | (for information) |
| 6.          | 4th Aust. Divnl. Artillery. |                   |
| 7.          | 5th Aust. Divnl. Artillery. |                   |
| 8 and 9.    | R.A. Second Army.           |                   |
| 10.         | R.A. V Corps.               |                   |
| 11.         | R.A. X Corps.               |                   |
| 12 to 21.   | 1st Anzac "G"               |                   |
| 22.         | 1st Anzac "Q"               |                   |
| 23.         | 2nd Wing R.F.C.             |                   |
| 24.         | 4th Squadron R.F.C.         |                   |
| 25.         | 17th Balloon Coy.           |                   |
| 26.         | Diary.                      |                   |
| 27.         | File.                       |                   |
| 28 to 31.   | Spare.                      |                   |
- for information.



# — DIAGRAM FOR BARRAGE —

A

B

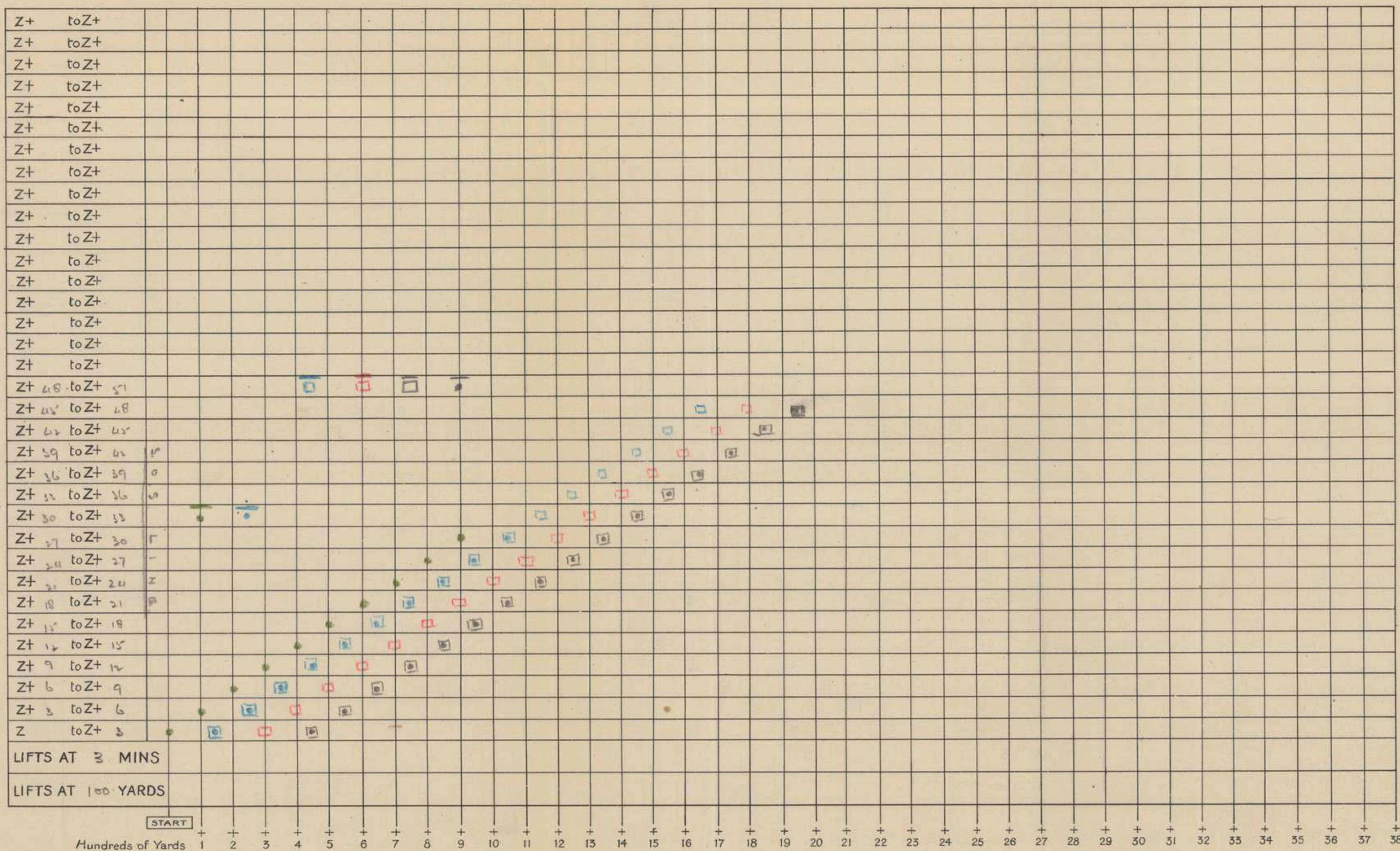
D

E

18 ft. •

10 ft. •  
4.5" How. □for  
I Day

6" How. □

8" + 9.2" How. □  
60 ft. •







39  
S E C R E T.

120  
Appendix No. 39

26  
Copy No.

ARTILLERY INSTRUCTIONS No.147  
by  
G.O.C.R.A. 1st ANZAC.  
-----

25th September 1917.

ARTILLERY PLAN FOR SECOND STAGE OF THE ATTACK.

1. PREPARATION OF THE ATTACK.

The Artillery Plan for the Second Phase of the operations is similar to that for the First.

2. The chief difference is due to the fact that there are many more strong points and trenches prepared for defence than there were in the path to the first objective.
3. There is also a certain amount of wire.
4. This necessitates more expenditure of heavy howitzer ammunition in observed destructive shoots, and less rounds will be available for Bombardment Barrages.
5. The daily amount of ammunition available has been given in Table "D" attached to Artillery Instructions No.139.
6. The affiliation of Bombardment Groups to Divisions up to the day of attack, and the allotment to them of one Brigade of Field Artillery and two 6" Howitzers of the <sup>Sub</sup> Mobile Groups on the day of attack will be as before.
7. The whole of the Heavy Artillery batteries have been moved forward, and they are now grouped on both sides of the MENIN road as far forward as I.12 and 18.
8. Nearly the whole of the Field Batteries have also been moved forward into Squares I.12 and 18 and J.7.
9. Wire cutting, destruction of strong points, harassing fire on communications, and isolating fire on certain fixed points in rear of the hostile battery positions, in order to prevent ammunition and supplies being brought up to the batteries, is proceeding daily.

10.



10. COUNTER BATTERY WORK.

Counter Battery work has been continued without any cessation since before the last advance; the Royal Flying Corps were early able to get information of new positions occupied by hostile batteries, and several observed shoots doing much damage have been, and are being carried out. Concentrated shoots on areas known to be occupied by batteries have also constantly been fired.

11. Shoots on selected batteries with Special Shell are also being carried out, for about two hours at a time, on every night before the attack, that on "J"/"K" night being fixed to be fired from 9.0 to 11.0 p.m..

12. BARRAGES.

Four Bombardment Barrages are being carried out on the three days prior to "K" day, one of them on "J" day is fired under the orders of the Army, being co-ordinated with the other Corps.

13. Separate Artillery Instructions have been issued in each case, with maps and diagrams.

14. SPECIAL SHELL.

Not less than 1000 60-pr Special Shell and 2000 4.5" How. will be retained on hand for the day of attack.

DAY OF ATTACK.

15. The day of attack is "K" day.

THE ADVANCE.

16. The second step in the advance of the 1st ANZAC Corps is the capture of the BLUE line - JOIST FARM - JETTY trench - JUBILEE trench and the line of the road to BRICK KILN, all inclusive.

17. The advance will be effected in two stages. The intermediate stage being the RED line J.10.c.2.0 - J.10.c.55.55 - J.10.a.88 - J.4.c.65.45 - J.4.c.88 - D.27.d.94 - D.27.d.88.

18.



BARRAGE.

18. It will be made under cover of a barrage in depth, in a similar manner to the last attack; there are slight variations in the times between lifts, etc. Artillery Instructions No. 145, with maps and schedules have been issued giving in detail all information required for the working of the barrage.
19. The signal for each gun to mark its arrival on a protective barrage line, will be three rounds of Smoke Shell fired in quick succession.
20. As before, as a signal to the Infantry that the barrage is about to leave the protective line and to give the Infantry time to creep under it, the rate of fire for 18-prs will be increased from one to four rounds a minute for four minutes previous to its lifting; similarly the 4.5" howitzer will quicken up to one round a minute for the same four minutes.
21. The heavy creeping barrage during the halt on the RED line creeps out as far as the reverse slopes of the PASSCHENDAELE Ridge; during the consolidation on the BLUE line it reaches another 1200 yards, thus thoroughly sweeping the whole of the slopes towards the East.

FLEETING OPPORTUNITIES.

22. The arrangements for answering "G.F." and "L.L." calls will be the same as before.

SELECTED BATTERIES.

23. Special batteries will be told off to keep under fire during the whole of the advance and during the time of consolidation, localities in which it is known that the enemy is likely to assemble for counter attacks, and the forward communications from these points. These batteries will be the four 6" How. Batteries of the Mobilo Sub-Groups and one 60-pr Battery to be told off by B.G.C.H.A. The selected points will be given in a separate Instruction.
24. It must be clearly understood that if any of these 6" batteries are called on by Divisional Commanders or for "G.F." calls, they must respond at once.

25.



(4)

LIAISON.

25. B.G.'s R.A. Divisional Artilleries and B.G.C.H.A. will be careful that the liaison between the Artillery and the Infantry is complete, as also that between flank Brigades and Groups, and flank Brigades and Groups of Artillery of Corps on the right and left.

AFTER THE ATTACK. "S.O.S." LINES.

26. As soon as our barrages have died down after the attack, "S.O.S." lines will be at once established.
27. In the case of the <sup>Medium</sup> Heavy Howitzers, no gun will fire closer to the consolidated line than 800 yards, and Heavy Artillery batteries must be prepared to have to push <sup>their lines</sup> ~~them~~ still further out on any intimation from the Divisions that posts have been established beyond the BLUE line.
28. Divisional Artilleries must, in the same way, have an <sup>adjustable</sup> easily line.

BARRAGE.

29. On the morning following the attack, a creeping barrage in depth will be put down at dawn as laid down in Artillery Instructions No.146.

FORWARD MOVES.

30. No batteries will be moved forward on the night of the attack except in the case of a general retirement on the part of the enemy.

To prepare for such an eventuality, 4th and 5th Australian Divisional Artilleries and Mobile Sub-Groups of Heavy Artillery will previously reconnoitre the roads by which they would have to advance.

ARRANGEMENTS FOR NEXT OBJECTIVE.

31. The dividing lines between Corps will change on an early day after the capture of the position, the 1st ANZAC taking over as far North as the Railway line, and the Southern boundary slipping further North.

32.



(5)

32. Very few of Heavy Artillery batteries will probably have to advance for the final stage in the attack, but Field Artillery Brigades will please reconnoitre positions in the HANNEBEKE Valley for some of their further back batteries, the Right Division in J.8.b. and d., and the Left in J.2.b. and d. and J.3.c.

33. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. L. S. P.*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

Copy No.1.	Heavy Artillery 1st Anzac.	
2.	Counter Battery Staff Officer.	
3.	1st Aust.Divnl.Artilloery.	) for information.
4.	2nd Aust.Divnl.Artilloery.	
5.	3rd Aust.Divnl.Artilloery.	
6.	4th Aust.Divnl.Artilloery.	
7.	5th Aust.Divnl.Artilloery.	
8 and 9.	R.A. Second Army.	) for information.
10.	R.A. V Corps.	
11.	R.A. X Corps.	
12 to 21.	1st Anzac "G"	) for information.
22.	1st Anzac "Q"	
23.	2nd Wing R.F.C.	
24.	4th Squadron R.F.C.	
25.	17th Balloon Coy.	
26.	Diary.	
27.	Filo.	
28 to 31.	Spare.	



SECRET

TABLE ISSUED IN CONNECTION WITH PARA. 23 OF ARTILLERY INSTRUCTIONS No.147 d/- 25-9-1917.

Battery.	Time.	Objectives.
6" Howitzer Battery.	0 to + 100	JUNIPER trench from J.10.b.45.00 to J.11.c.2.0, and Machine Gun positions at J.11.d.3.1 and J.11.c.30.15.
	+ 100 to + 320	Reserve position centred about J.12.b.2.2 and about K.7.b.15.50.
6" Howitzer Battery.	0 to + 100	One section on JONAH trench from J.4.b.60.55 to J.4.b.55.00 One section on hutment just North of J.5.Central
	+ 100 to + 320	Reserve position, hutment centred round K.1.c.70.
6" Howitzer Battery.	0 to + 100	DE KNOOT FARM and RETALIATION FARM.
	+ 100 to + 320	Hutment about D.30.a.60.80, and alternately reserve positions in huts in D.30.d.5.0 and E.25.c.30
60-pdr. Battery.	0 to + 100	One section searching and sweeping from J.11.a.05.90 to 05.30.
	do.	One section searching and sweeping from J.5.c.05.60 to J.5.c.05.00.
	do.	One section sweeping DUTIFUL trench from D.28.b.9.3 to D.29.c.1.5
	+ 100 to + 320	One section searching and sweeping lines of approach from reserve position at J.12.b.22 centred about J.11.b.93.
	do.	One section searching and sweeping lines of approach past IN DE STER CABARET at J.5.d.8.5.
	do.	One section searching and sweeping lines of approach with FLINT FARM D.29.b.3.6 as a centre.

Appendix No. 39

125



9  
S E C R E T.

Appendix No 39

Copy No. 26 126

CORRECTIONS TO ARTILLERY INSTRUCTIONS 147.

Paragraph 6, line 3.

for "Sub-Mobile Groups" read "Mobile Sub-Groups"

Paragraph 24, line 1.

insert "6-inch" after "these"


Paragraph 27, line 3.

erase "them"

insert "their lines" after "push"

R.A. 1st Anzac.

25-9-1917.



Major R.A.

Staff Officer R.A. 1st Anzac.

Issued to all recipients of Artillery Instructions 147.



9.  
S E C R E T.

(40)  
ARTILLERY INSTRUCTIONS No.148  
by  
G.O.C.R.A. 1st ANZAC.  
-----

127  
Appendix No. 40  
Copy No.

26th September 1917.

1. At an early date the 3rd Australian Divisional Artillery will be withdrawn from the line and will be relieved by the 5th Australian Divisional Artillery.
2. Guns will be handed over 'in situ'.
3. The 1st Australian Divisional Artillery will hand over to the 5th Australian Divisional Artillery such guns and stores as the 5th Australian Divisional Artillery have handed in to the Gun Pool.

The number of such stores, etc. being determined by the receipts which the 5th Australian Divisional Artillery hold from the Gun Pool.

These receipts will pass to 1st Australian Divisional Artillery.

This transfer will be completed at once.

4. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. S.*

Major R.A.

Staff Officer R.A. 1st Anzac.

Issued as under :-

Copy No.1.	1st Aust.Divnl.Arty.	
2.	3rd Aust.Divnl.Arty.	
3.	5th Aust.Divnl.Arty.	
4.	2nd Aust.Divnl.Arty.	)
5.	4th Aust.Divnl.Arty.	)
6.	Heavy Arty.1st Anzac.	)
7.	C.B.S.O.	)
8 and 9.	R.A.Second Army.	)
10.	A.D.Ordnance, 1st Anzac.	)
11 to 20.	1st Anzac "G"	)
21.	1st Anzac "Q"	)
22.	Diary.	
23.	File.	
24 to 27.	Spare.	

for information.



9  
SECRET

(41)  
ARTILLERY INSTRUCTIONS No. 149  
by  
G.O.C.R.A., 1st A.N.Z.A.C.

128  
Appendix No. 41  
Copy No. 281

26th September 1916.

1. The 1st ANZAC Heavy Artillery will be prepared to hand over the following groups and batteries to X Corps at an early date, guns being handed over "in situ".
2. The date will be that on which the X Corps takes over from the 1st ANZAC the line as far north as J.4.d.4.6.
3. From 7 p.m. on 28th September the Counter Battery area of the 1st ANZAC will be bounded as follows :-  

On the North by the railway line as far east as D.12.d.30, thence east along the Grid Line.  
On the South by the Grid Line running east and west between squares J.6., K.1, etc. and J.12., K.7. etc.
4. The Corps boundaries will be, on the north, the railway line, on the south the continuation of the present inter-division boundary through J.4.d.4.6.
5. The inter-division boundary will be notified as soon as possible.
6. All field batteries will be required to move forward as soon as possible to positions east of a line running from I.6.c.85.45 to J.13.a.30.75 and must be within the Corps boundary lines.
7. Positions may be found in squares J.2.d and 8.b.
8. Reports to be forwarded as soon as possible of selected positions.
9. Any heavy batteries more than 2,500 yards to the east of the line given in para 6 will be required to be moved forward.
10. All moves to take place as soon as possible, but not more than one third of field batteries of either division to be out of action at one time.
11. ACKNOWLEDGE ON FORM ATTACHED.

*S. 1st Oct.  
10 a.m.  
Garter Point -  
Romulus Wood*

*R.E. Smith*

Major R.A.,

Staff Officer R.A., 1st ANZAC.



## Issued as under :-

Copy No. 1	H.A., 1st ANZAC.	
2	C.B.S.O.	
3	4th Aus. Div. Arty.	
4	5th " " "	
5	1st " " "	}
6	2nd " " "	
7	3rd " " "	
8 & 9	R.A. Second Army	
10	R.A.V Corps	}
11	R.A. X Corps	
12 to 21	1st ANZAC "G"	
22	1st ANZAC "Q"	
23	2nd Wing R.F.C.	}
24	4th Sqdn. R.F.C.	
25	17th Balloon Coy.	
26	Diary	
27	File	
28 to 31	Spare.	

For information.



SECRET.

ARTILLERY INSTRUCTIONS No.150  
by  
G.O.C.R.A. 1st ANZAC.

Copy No.

26th September 1917.

1. The Ammunition Allotment for days "L" to "P" inclusive, also the amounts to be in battery possession at midnight on "PQ" day.

Bulk allotment for days "L" to "P" inclusive. Table "A"

	18-pr.	4.5"H.	60-pr.	6" H.	6" Gun.	8" H.	9.2" H.	12" H.	15" H.
Bulk.	91,080	30,360	6,660	18,780	800	5,040	4,440	360	--
Per Gun.	568	562	277	260	200	193	201	60	--

Dumps in rounds per gun to be in possession at midnight "PQ" day.  
Table "B"

	18-pr.	4.5"H.	60-pr.	6" H.	6" Gun.	8" H.	9.2" H.	12" H.	15" H.
*	1200	1000	550	700	240	475	430	135	100

\* The above amounts will be brought up in addition to the allotment.

2. This ammunition will be used as follows on these days :-

18-pr. Harassing communications and usual daily work.  
4.5"Hows. The same; cutting wire, destructive shoots, etc.  
60-pr. One half the allotment for counter-battery work (neutralizing fire), one half harassing fire and isolation of enemy's batteries.  
6" Hows. ) Counter-battery work according to the  
8" Hows. ) number of guns told off, destructive work,  
9.2" Hows. ) and harassing fire.  
12" Hows. Counter-battery work.  
15" Hows. Destructive work.  
6" Gun. On distant communications and other selected points; two thirds of the ammunition being used at night.

3. ACKNOWLEDGE ON FORM ATTACHED.

Major R.A.

Issued as under :-

for Staff Officer R.A. 1st Anzac.

Copy No. 1. Heavy Arty. 1st Anzac. 12 to  
 2. C.B.S.O. 21. 1st Anzac "G" \*  
 3. 4th Aust. Divnl. Arty. 22. 1st Anzac "Q" \*  
 4. 5th Aust. Divnl. Arty. 23. 2 Wing R.F.C. \*  
 5. 1st Aust. Divnl. Arty. ) for 24. 4 Sqn. R.F.C. \*  
 6. 2nd Aust. Divnl. Arty. ) in- 25. 17 Balln. Coy. \*  
 7. 3rd Aust. Divnl. Arty. ) for- 26. Diary.  
 8 and 9. R.A. Second Army. ) ma- 27. File.  
 10. R.A. V Corps. ) tion. 28. )  
 11. R.A. X Corps. ) to ) Spare.  
 31.



43

Appendix No. 43

S E C R E T.

Copy No. 27

ARTILLERY INSTRUCTIONS No.151  
by  
G.O.C.R.A. 1st ANZAC.  
-----

27th September 1917.

1. The 3rd Australian Divisional Artillery will move out of the line complete to their wagon lines on the night of 28th/29th.
2. They will move to new area under the orders of 2nd ANZAC on 29th.
3. Paragraph 2 of Artillery Instructions No.148 is cancelled.
4. The 5th Australian Divisional Artillery will move into the line on the night 29th/30th under orders of C.R.A. 5th Australian Division, in accordance with 1st ANZAC Corps Order 179.
5. From midnight 28/29th the front of the Right Division will be covered by one R.F.A.Brigade detailed by X Corps, and three Australian Army F.A.Brigades. All under the command of the C.R.A. 5th Australian Division for defensive purposes.
6. ACKNOWLEDGE ON FORM ATTACHED.

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

Copy No.1.	3rd Aust.Divnl.Arty.	} for information.
2.	5th Aust.Divnl.Arty.	
3.	R.A. 2nd Anzac.	
4.	1st Aust.Divnl.Arty.	
5.	2nd Aust.Divnl.Arty.	
6.	4th Aust.Divnl.Arty.	
7.	Heavy Arty.1st Anzac.	
8.	C.B.S.O.	
9 and 10.	R.A.Second Army.	
11.	R.A. V Corps.	
12.	R.A. X Corps.	
13 to 22.	1st Anzac "G"	
23.	1st Anzac "Q"	
24.	2nd Wing R.F.C.	
25.	4th Squadron R.F.C.	
26.	17th Balloon Coy.	
27.	Diary.	
28.	File.	
29 to 32.	Spare.	



SECRET.

(44)

ARTILLERY INSTRUCTIONS No. 152  
by  
G.O.C.R.A. 1st ANZAC.  
-----

28th September 1917.

1. In accordance with 1st ANZAC Corps Order 179, the 1st Australian Divisional Artillery will move into the line on the night of the 29th/30th into positions already selected.
2. On completion of the move, the 3rd, 6th and 12th Army Brigades Aust. Field Artillery will be withdrawn from the line (probably on October 1st) and moved to a back area.
3. Army Brigades will hand over guns, etc. to complete the 1st Australian Divisional Artillery; and any guns that may remain in possession of the Army Brigades on leaving the line will be handed over to the Gun Pool, and not taken to back areas.
4. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. S. V.*

Major R.A.

Staff Officer R.A. 1st Anzac.

Issued as under :-

- |             |                           |   |
|-------------|---------------------------|---|
| Copy No. 1. | 1st Aust. Divnl. Arty.    |   |
| 2.          | 3rd Army Bde. Aust. F.A.  |   |
| 3.          | 6th Army Bde. Aust. F.A.  |   |
| 4.          | 12th Army Bde. Aust. F.A. |   |
| 5.          | 2nd Aust. Divnl. Arty.    | } |
| 6.          | 3rd Aust. Divnl. Arty.    |   |
| 7.          | 4th Aust. Divnl. Arty.    |   |
| 8.          | 5th Aust. Divnl. Arty.    |   |
| 9.          | Heavy Arty. 1st Anzac.    |   |
| 10.         | C.B.S.O.                  | } |
| 11 and 12.  | R.A. Second Army.         |   |
| 13.         | R.A. V Corps.             |   |
| 14.         | R.A. X Corps.             |   |
| 15.         | A.D. Ordnance, 1st Anzac. | } |
| 16 to 25.   | 1st Anzac "G"             |   |
| 26.         | 1st Anzac "Q"             |   |
| 27.         | 2nd Wing R.F.C.           |   |
| 28.         | 4th Squadron R.F.C.       |   |
| 29.         | 17th Balloon Coy.         |   |
| 30.         | Diary.                    |   |
| 31.         | File.                     |   |
| 32 to 35.   | Spare.                    |   |

for information.



SECRET.

Copy No. 26

(45)

ARTILLERY INSTRUCTIONS No.153  
by  
G.O.C.R.A. 1st ANZAC.  
-----

28th September 1917.

ARTILLERY PLAN.      3rd PHASE OF THE ATTACK.

INFORMATION.

1. The 2nd Phase of the operations having been brought to a successful issue, the Second Army is proceeding, after due preparation, to make a further advance; the Fifth Army co-operating on the left flank.
2. The 1st ANZAC Corps, which is in the centre of the advance, will have as its objective the capture of the main ridge, with a footing on the further slopes from D.23.a.88 to J.5.b.4.2 (the BLUE LINE)
3. The advance will be made in two stages, the first stage the RED line running from D.22.b.53 to J.5.a.55.00.
4. Tracings have been issued shewing the exact positions of the lines.
5. The inter-division boundary is shewn on the same tracing.
6. The days prior to the attack will be known as "K" "L" "M" "N" "O" "P" "Q" etc., "K" day being the day of the last attack.

ORGANIZATION.

7. The attack is being made by two Divisions in the line, and the Field Artillery allotted to each is, on the right, the 1st and 5th Australian Divisional Artilleries under the command of Brigadier General A.J.BESSELL-BROWNE, C.M.G., D.S.O., and on the left, the 2nd and 4th Australian Divisional Artilleries under the command of Brigadier General ~~W.L.H. BURGESS, D.S.O.~~ G.J. JOHNSON, C.B., C.M.G.
8. The 3rd, 6th and 12th Army Brigades Aust. Field Artillery will be in reserve.
9. The Field Artillery will be organized for the attack as before, three Brigades in each Division actually covering the front, and one superimposed.
10. Consequent on the withdrawal of a certain number of Heavy and Siege batteries, the Heavy Artillery Groups have been reorganized, but the same principle has been adhered to, and there is a Bombardment Group affiliated to each Division in the line up to the day of attack.
11. For the day of attack two 6" Howitzer batteries will be at the disposal of each Division Commander.
12. The boundaries of the new Counter-Battery area have been laid down in Artillery Instructions.



13. The boundaries for barrages and destruction work will be as follows :-

On the South a straight line from J.4.d.37, J.5.b.42 and on.

On the North a straight line from D.22.a.70 through D.23.a.75.80.

14. The allotment of ammunition to noon "P" day has been issued, further allotment will follow.

#### PREPARATION FOR THE ATTACK.

15. Counter battery work is being continued vigorously.
16. Preparatory Bombardment Barrages will be commenced on "P" day, and will be continued daily at the rate of two a day until the day of attack.
17. Destructive work on the front to be taken over by 1st ANZAC will commence at 12.0 noon on the 28th instant.
18. This work must be carried on with utmost vigour, every endeavour being made to locate the enemy strong points and Machine Gun positions.
19. Harassing fire on billets, roads and tracks is being continued by night and day, and isolating fire will be employed by the Heavy Artillery on the outer line beyond the enemy's battery positions, and by the Field Artillery on the inner line.
20. The outer line will be from D.12.d.95.00 to E.14.d.44 to WATERDAMHOEK to POTTERIJIBRUG.
21. Bombardments with Special Shell will be carried out under separate instructions.

#### DAY OF ATTACK.

22. The attack will be carried out as before, the Infantry advancing behind a barrage in depth of all natures of guns and howitzers, which will continually search the ground in front; a back barrage being placed on likely points of assembly of the enemy and on strong points and possible Machine Gun positions beyond the reach of the creeping barrage.

#### FURTHER ADVANCE.

23. Divisional Artilleries will reconnoitre positions for their batteries behind the ANZAC Ridge.
24. The Heavy Artillery will reconnoitre positions behind the WESTHOEK and BELLEWAARDE ridges.
25. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. S. P.*

Major R.A.

#### Issued as under:-

Staff Officer R.A. 1st Anzac.

- |                                    |                           |
|------------------------------------|---------------------------|
| Copy No. 1. Heavy Arty. 1st Anzac. | 11. R.A. X Corps. *       |
| 2. C.B.S.O.                        | 12 to 21. 1st Anzac "G" * |
| 3. 1st Aust. Div. Arty.            | 22. 1st Anzac "Q" *       |
| 4. 2nd Aust. Div. Arty.            | 23. 2nd Wing R.F.C. *     |
| 5. 4th Aust. Div. Arty.            | 24. 4th Sqdn. R.F.C. *    |
| 6. 5th Aust. Div. Arty.            | 25. 17th Balln. Coy. *    |
| 7. 3rd Aust. Div. Arty. *          | 26. Diary.                |
| 8 and 9. R.A. Second Army. *       | 27. File.                 |
| 10. R.A. V Corps. *                | 28 to 31. Spare.          |
- \* for information.



(46)

Appendix No. 46

135

SECRET.

Copy No. 75

ARTILLERY INSTRUCTIONS No.154  
by  
G.O.C.R.A.1st ANZAC.

29th September 1917.

1. There will be two Bombardment Barrages on "P" day over the Second Army front.

2. Times of commencement :-

"P" 1. at 9.30 a.m.  
"P" 2. at 8.15 p.m.

3. The starting line will be 150 and 450 yards respectively East of the Jumping Off Line as shewn in attached tracing.

In the event of Infantry occupying posts too close to the starting line, C.R.A.'s will ensure that barrages are put down at a safe distance; and the Heavy Artillery will be informed of the necessary alteration.

4. Diagrams of barrages are attached.

5. Rates of fire, and estimate of Ammunition required :-

		Rates.		Required.	
				"P" 1.	"P" 2.
18-prs.	2 rounds per gun per minute.			84	90
4.5" Hows.	1 round per gun per minute.			50	45
6" Hows.	2/3 round per gun per minute.			33	30
8" Hows.	1/2 round per gun per minute.				
9.2" Hows.					
60-pdrs.				25	23

6. 106 Fuze will not be used within the following distances from the Jumping Off Line :-

4.5" Hows. ... 450 yards.  
6" Hows. ... 600 yards.  
8" and 9.2" Hows. ... 800 yards.

7. ACKNOWLEDGE ON FORM ATTACHED.

Major R.A.

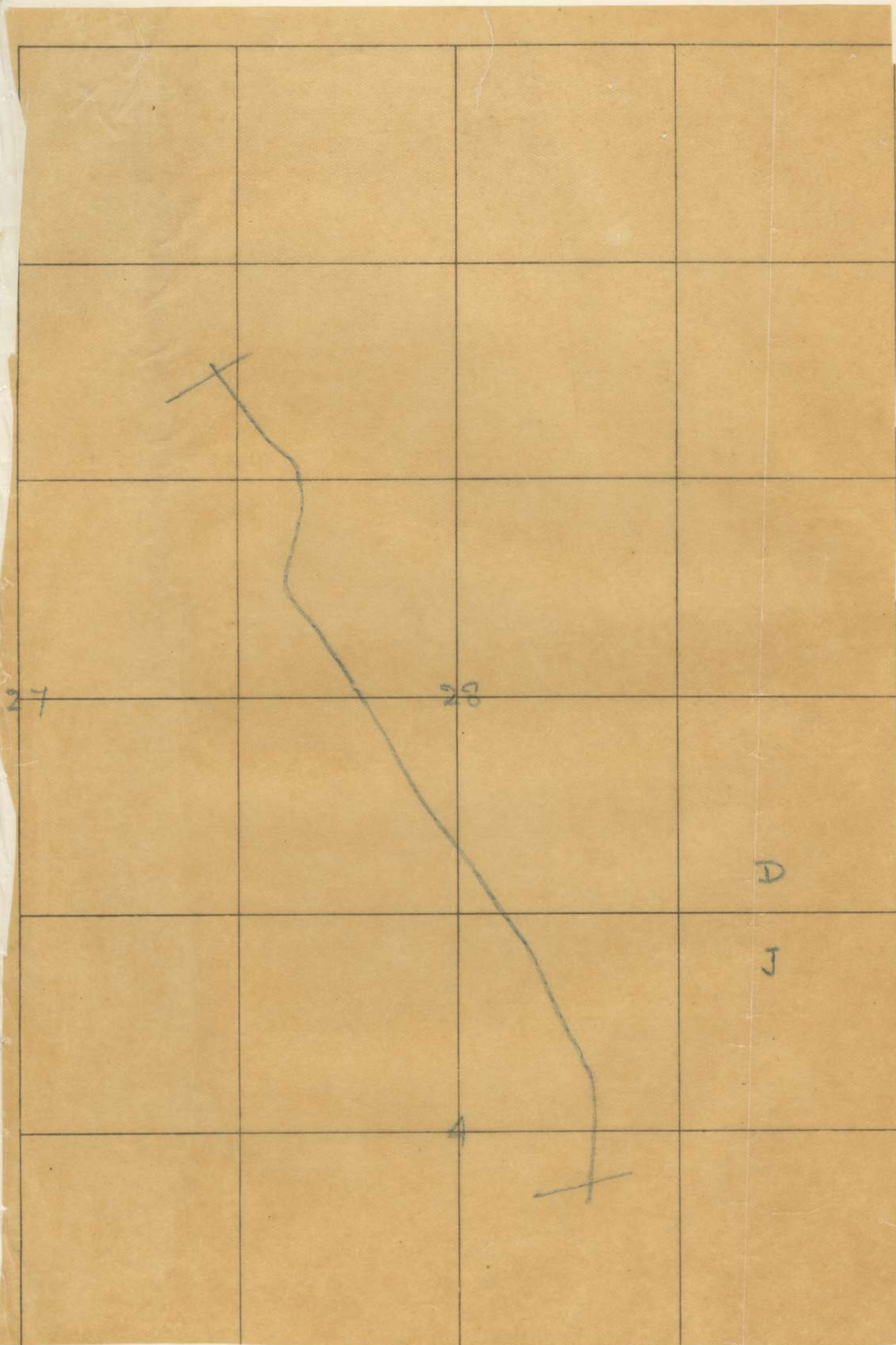
Issued as under:-

for Staff Officer R.A.1st Anzac.

- Copy No.1. Heavy Arty.1st Anzac.  
2. C.B.S.O.  
3. 4th Aust.Divnl.Arty.  
4. 5th Aust.Divnl.Arty.  
5. 1st Aust.Divnl.Arty.  
6. 2nd Aust.Divnl.Arty.  
7&8. R.A. Second Army.  
9. R.A. V Corps.  
10. R.A. X Corps.  
11. 2nd Wing R.F.C.  
12. 4th Squadron R.F.C.  
13. 17th Balloon Coy.  
14 to 23. 1st Anzac "G"  
24. 1st Anzac "Q"  
25. Diary.  
26. File.  
27 to 30. Spare.

for information.







21

27

~~28~~

28

D

J

4



# DIAGRAM FOR BARRAGE

Appendix No 46

138

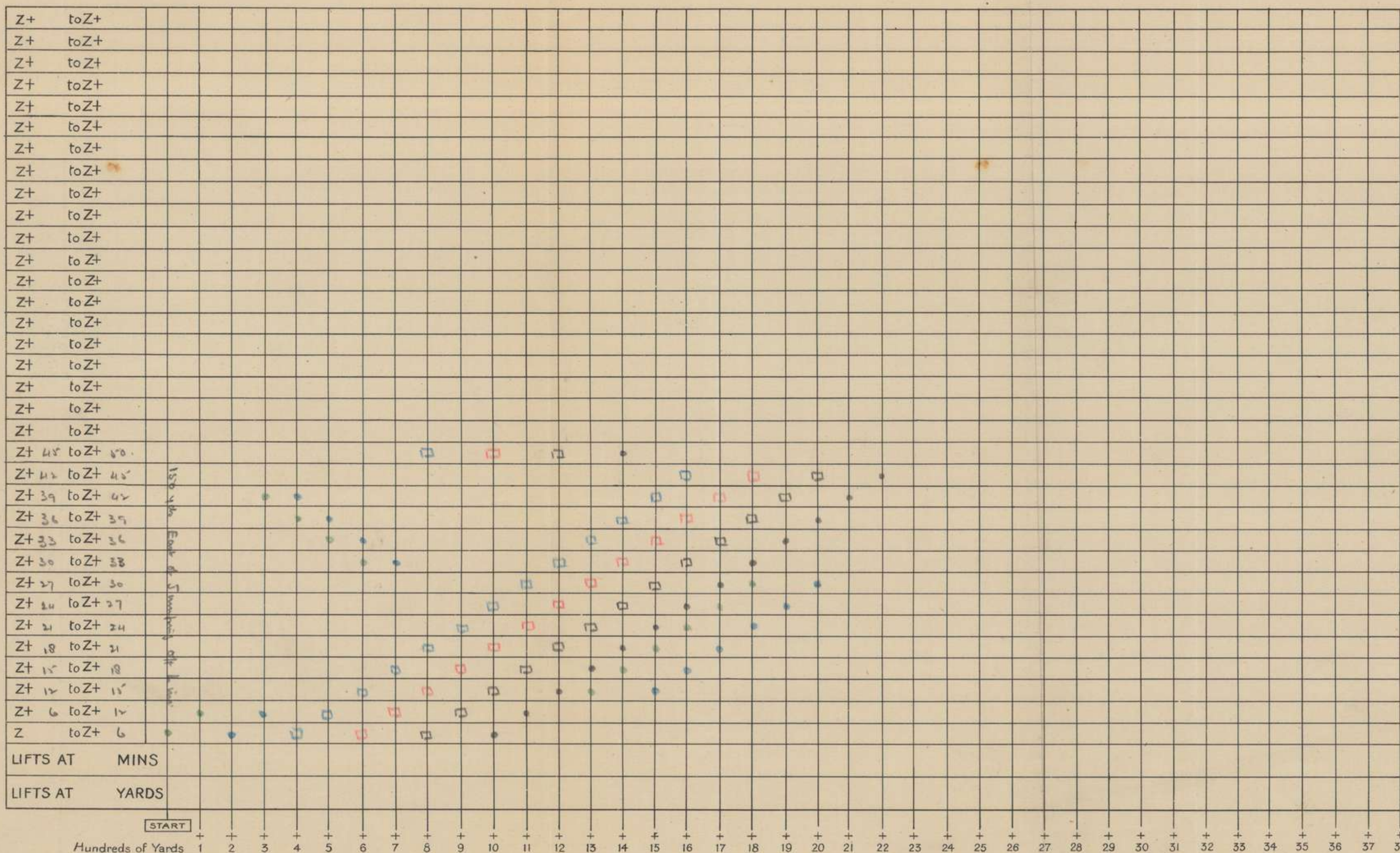
A  
10 pm

B  
10 pm  
4-12 ft

P 1.

D  
6" ft

E  
60 pm  
8" 9" ft





# — DIAGRAM FOR BARRAGE — P. 2.

Appendix No. 46

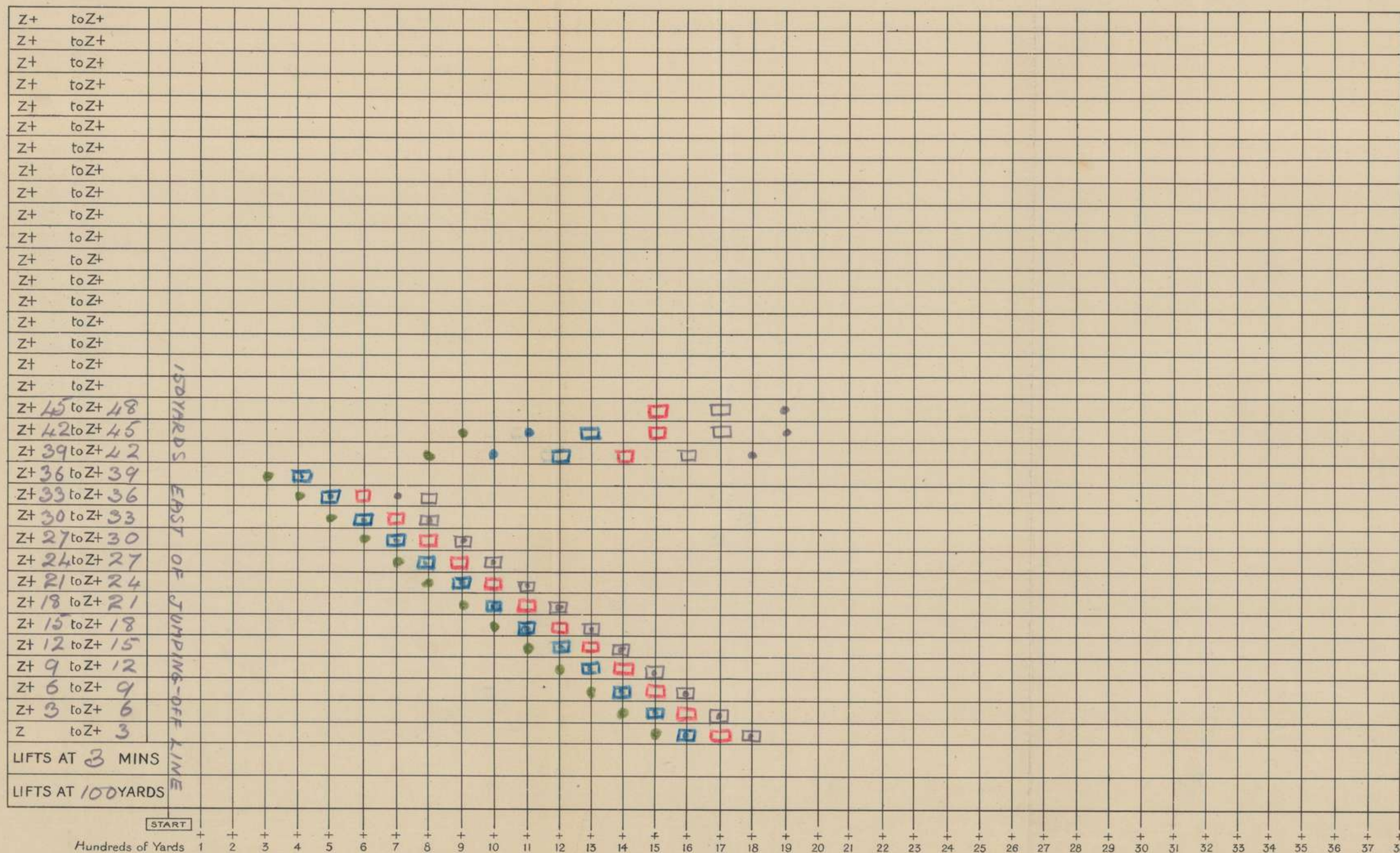
139

A  
18 PDR •

B  
18 PDR •  
4.5" H □

D  
6" HOW. □

E  
60 PDR •  
8" & 9.2" H □





(47)

ARTILLERY INSTRUCTIONS No. 155  
by  
G.O.C.R.A. 1st ANZAC.  
-----

29th September 1917.

1. Previous orders concerning allotment for "P" day are cancelled. The following Table shows allotments "P" "Q" "R" and "S" days, and amount required to be in hand on midnight of "R"/"S" day.

	18-pr.	4.5"H.	6"Gun.	60-pr.	6" H.	8" H.	9.2" H.	12"H.	15"H.
"P" Bulk.	28800	9600	160	1950	8140	1950	1650	90	10
Per gun.	200	200	40	65	110	75	75	--	--
"Q" Bulk.	28800	9600	160	1950	8140	1950	1650	90	20
Per Gun.	200	200	40	65	110	75	75	--	--
"R" Bulk.	28800	9600	160	1950	8140	1950	1650	90	20
Per Gun.	200	200	40	65	110	75	75	--	--
"S" Bulk.	57600	19200	160	1950	9250	2340	1920	90	20
Per Gun.	400	400	40	65	125	90	90	--	--
To be in hand per gun midnight "R"/"S" day.	960	760	200	470	655	445	390	120	60

2. ACKNOWLEDGE ON FORM ATTACHED.

Major R.A.

Issued as under:-

Staff Officer R.A. 1st Anzac.

- Copy No. 1. Heavy Arty. 1st Anzac.  
 2. C.E.S.O.  
 3. 4th Aust. Divnl. Arty.  
 4. 5th Aust. Divnl. Arty.  
 5. 1st Aust. Divnl. Arty.  
 6. 2nd Aust. Divnl. Arty.  
 7 and 8. R.A. Second Army.  
 9. R.A. V Corps.  
 10. R.A. X Corps.  
 11. 2nd Wing R.F.C.  
 12. 4th Squadron R.F.C.  
 13. 17th Balloon Coy.  
 14 to 23. 1st Anzac "G"  
 24. 1st Anzac "Q"  
 25. Diary.  
 26. File.  
 27 to 30. Spare.

for information.



9  
SECRET.

Appendix No 48

Copy No. 141

(48)

ARTILLERY INSTRUCTIONS No.156  
by  
G.O.C.R.A. 1st ANZAC.  
-----

29th September 1917.

1. The 1st ANZAC Corps front will be covered by Divisional Artillery as follows :-

- (a) From midnight 28th/29th September until 10.0 a.m. October 1st, the front of the Right Division will be covered by the 3rd., 6th. and 12th Army Brigades Australian Field Artillery, reinforced by a Brigade from the X Corps, and the 5th Australian Divisional Artillery who are taking up positions in the line.
- (b) At 10.0 a.m. October 1st the X Corps take over the front as far North as J.4.d.68.
- (c) From 10.0 a.m. October 1st to 10.0 a.m. October 2nd the front of the Right Division will be covered by the 5th Australian Divisional Artillery and the 1st Australian Divisional Artillery, and will receive such assistance as may be necessary from the 2nd and 4th Australian Divisional Artilleries.
- (d) At 10.0 a.m. 2nd October the 1st ANZAC Corps will extend its front to the left as far as the YPRES - ROULERS Railway (D.21.d.21). The Right Division front will then be covered by the 1st and 5th Australian Divisional Artilleries, and the Left Division front will be covered by the 2nd and 4th Australian Divisional Artilleries.

2. For the purposes of Bombardment Barrages, Divisional Artilleries cover the Corps front as constituted on October 2nd at 10.0 a.m.

3. ACKNOWLEDGE ON FORM ATTACHED.

*R. C. Lewis*

Major R.A.

Issued as under :-

Staff Officer R.A. 1st Anzac.

- Copy No.1. Heavy Artillery 1st Anzac.
- 2. C.B.S.O.
- 3. 1st Aust.Divnl.Arty.
- 4. 2nd Aust.Divnl.Arty.
- 5. 4th Aust.Divnl.Arty.
- 6. 5th Aust.Divnl.Arty.
- 7 and 8. R.A.Second Army.
- 9. R.A. V Corps.
- 10. R.A. X Corps.
- 11. 2nd Wing R.F.C.
- 12. 4th Squadron R.F.C.
- 13. 17th Balloon Coy.
- 14 to 23. 1st Anzac "G"
- 24. 1st Anzac "Q"
- 25. Diary.
- 26. Filo.
- 27 to 30. Spare.

} for information.



"A" Form.				Army Form C. 2121	
MESSAGES AND SIGNALS.				No. of Message _____	
Prefix _____	Code _____ m.	Words _____	Charge _____	This message is on a/c of: _____	
Office of Origin and Service Instructions _____		Sent _____		Date _____	
At _____ m.		To _____		From _____	
By _____		(Signature of "Franking Officer.") _____		By _____	
TO { _____					
2nd Aust. Divnl. Arty.					
Sender's Number _____		Day of Month _____		In reply to Number _____	
* A A A					
R.I. 335 1/10					
Reference	Artillery	Instructions	156	the	
Field	and	Heavy	Artillery	1st	
Anzac	will	take	over	respon-	
sibility	of	new	Corps	front	
from	YPRES	ROULERS	Railway	to	
J.4.d.68	at	6	a.m.	October	
2nd.	Addressed	Heavy	Artillery	1st	
Anzac,	4th	Aust.	Divnl.	Arty.,	
5th	Aust.	Divnl.	Arty.	Repeated	
1st	Anzac	"G",	R.A.	Second	
Army,	R.A.	2nd	Anzac,	R.A.	
10th	Corps,	2nd	Aust.	Divnl.	
Arty.					
From _____					
Place R.A.		1st		Anzac.	
Time _____					
The above may be forwarded as now corrected.				(Z) Robert Major R.A.	
Censor.				Signature of Addressor or person authorised to telegraph in his name.	
* This line should be erased if not required. 1st ANZAC.					



9  
S E C R E T.

(49)  
ARTILLERY INSTRUCTIONS No.157  
by  
G.O.C.R.A. 1st ANZAC.  
-----

Appendix No. 49

Copy No. 25

143

30th September 1917.

1. There will be two Bombardment Barrages on "Q" and "R" days respectively over the Corps front.
2. Times of commencement :-

"Q" 1.	6.15 a.m.
"Q" 2.	5.0 p.m.
"R" 1.	3.30 a.m.
"R" 2.	1.30 p.m.

3. The Infantry Jumping Off line will be as shewn in tracing attached to Artillery Instructions No.154.  
The starting line of barrages will be as shewn in diagram attached, and to include, at a safe distance, any Infantry posts. Heavy Artillery will be informed of any alteration.
4. Diagrams of barrages attached. Any fault in barrages will be corrected in "Q" 2 barrages.
5. Rates of fire as detailed in Artillery Instructions No.154.

Ammunition required :-

	"Q" 1.	"Q" 2.	"R" 1.	"R" 2.
18-pdr.	84	60	66	66
4.5" How.	42	30	33	33
6" How.	28	20	22	22
8" How. }				
9.2" How. }	21	15	17	17
60-pdr. }				

6. The usual restrictions as to the use of 106 Fuze.
7. There will be no overlap on the left with the 2nd ANZAC, but an overlap on the right, of 50 yards, with X Corps.
8. ACKNOWLEDGE ON FORM ATTACHED.

*R. A. Searp*

Major R.A.

Issued as under:-

Staff Officer R.A. 1st Anzac.

Copy No.1.	Heavy Artillery 1st Anzac.
2.	C.B.S.O.
3.	4th Aust.Divnl.Arty.
4.	5th Aust.Divnl.Arty.
5.	1st Aust.Divnl.Arty.
6.	2nd Aust.Divnl.Arty.
7 and 8.	R.A. Second Army.
9.	R.A. 2nd ANZAC.
10.	R.A. X Corps.
11.	2nd Wing R.F.C.
12.	4th Squadron R.F.C.
13.	17th Balloon Coy.
14 to 23.	1st Anzac "G"
24.	1st Anzac "Q"
25.	Diary.
26.	File.
27 to 30.	Spare.

for information.



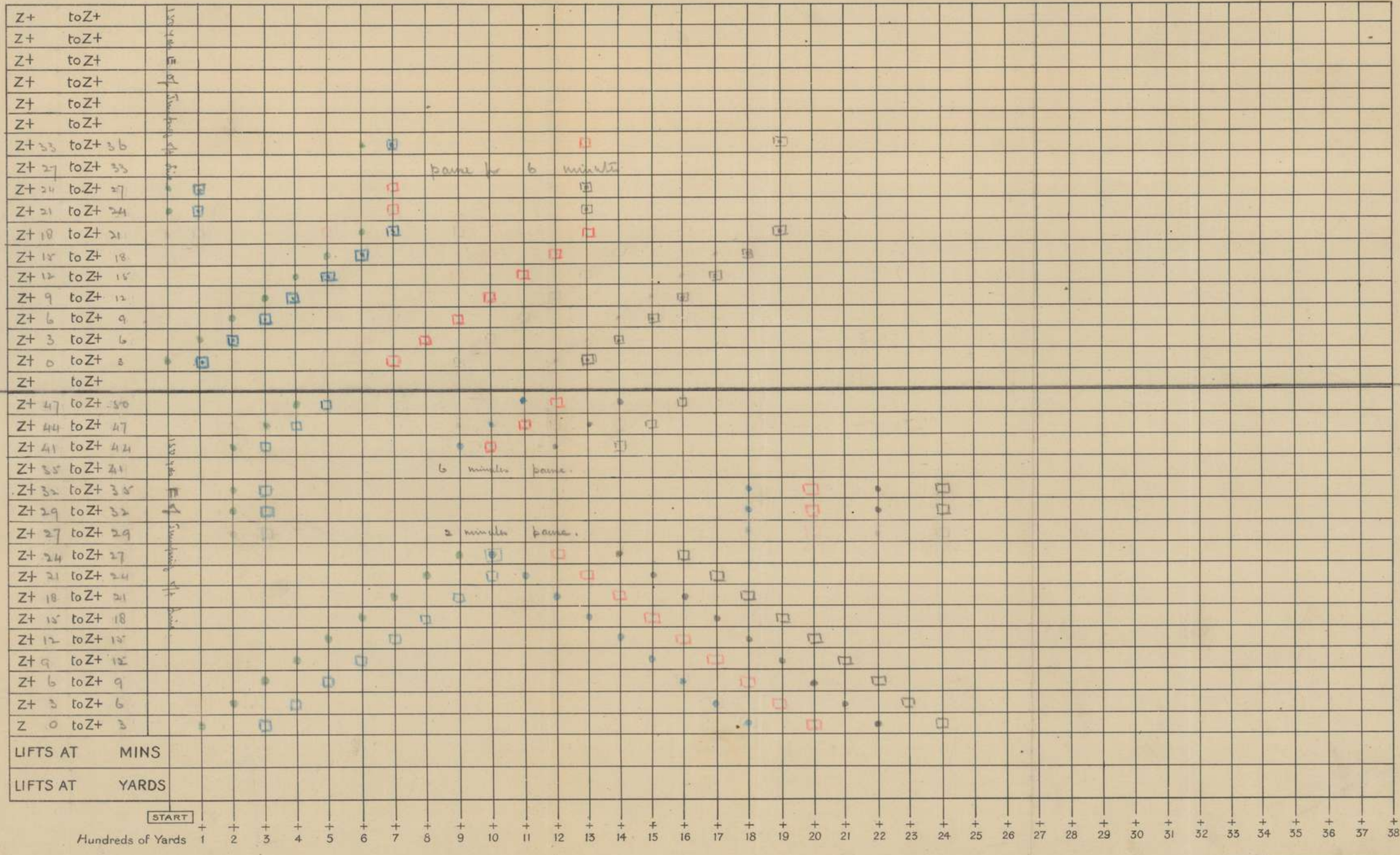
# DIAGRAM FOR BARRAGE

A  
18 ft. •  
B  
10 ft. •  
4-5 ft. •

Q. DAY.

D  
6" ft. •

E  
Appendix No 49  
8" 9-2" ft. •  
60 ft. •  
144



Q. 2.  
5:00 pm  
18 ft. 60  
4-5 ft. 30  
6" 20  
8" } 15  
9-2" }  
60 ft.

Q. 1.  
6:15 am  
18 ft. 84  
4-5 ft. 42  
6" 28  
8" } 21  
9-2" }  
60 ft.



# DIAGRAM FOR BARRAGE

A  
18 ft.

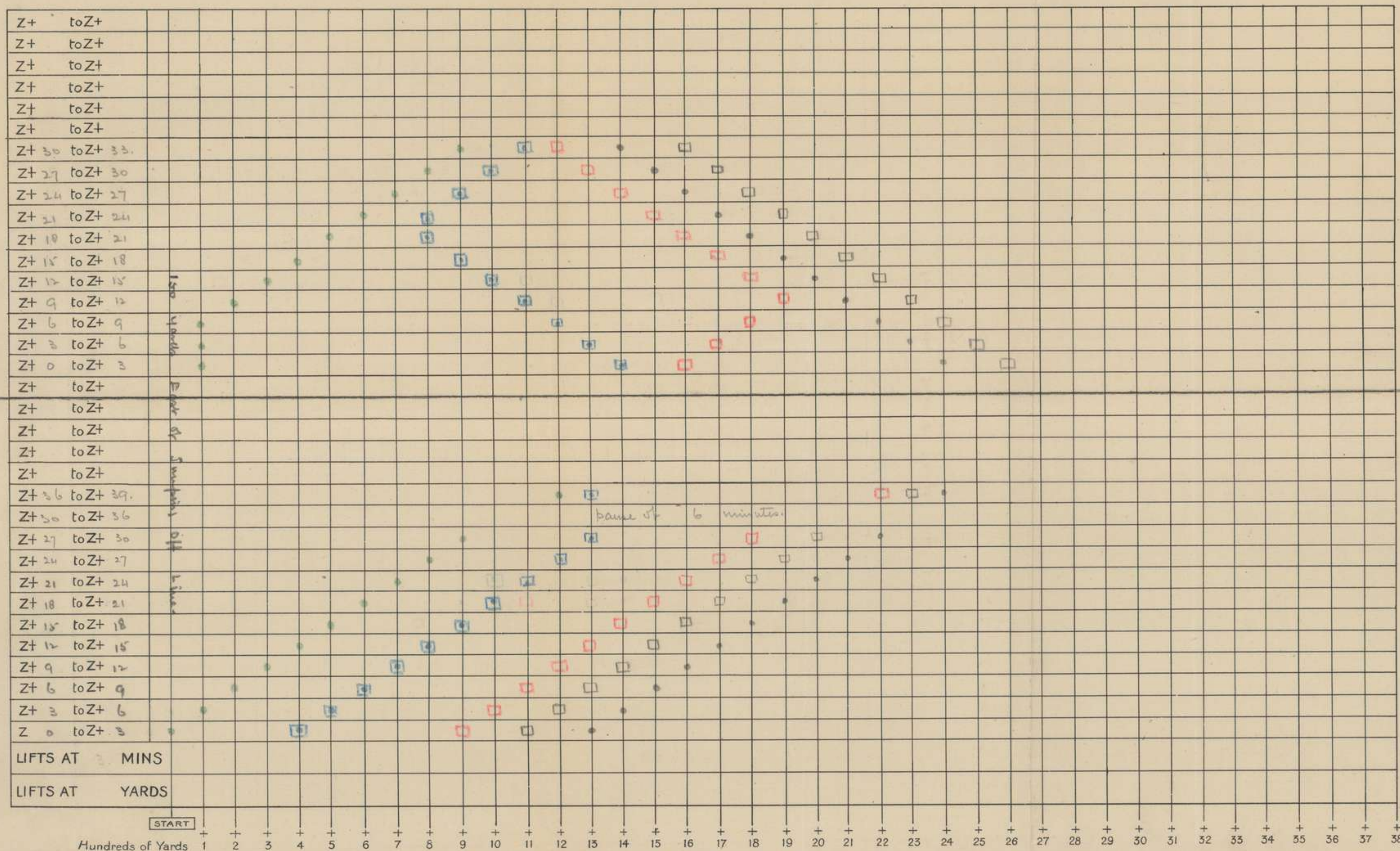
B  
18 ft.  
4.5" Am. □

R. DAY

D  
6" Am. □

E  
8" + 9.2" □  
60 ft.

Appendix No 49



R. 1  
3.30 am  
18 ft 66  
4.5" 33  
6" 22  
8" } 17  
9.2" }  
60 ft

R. 2  
1.30 pm  
18 ft 66  
4.5" 33  
6" 22  
8" } 17  
9.2" }  
60 ft



"A" Form.  
MESSAGES AND SIGNALS.

Army Form C. 2121

No. of Message\_\_\_\_\_

Prefix.....	Code.....m.	Words	Charge	This message is on a/c of: _____ _____ Service. (Signature of "Franking Officer.")	Recd. at.....m.
Office of Origin and Service Instructions.					Date.....
.....		Sent.....			From.....
.....		At.....m.			By.....
.....		To.....			
.....		By.....			

TO

Sender's Number.

Day of Month

In reply to Number

\*

B.T. 574

1/10

A A A

Reference	Artillery	Instructions	157	para.
2	for	R.L.	5.30	a.m.
read	R.L.	7.15	a.m.	
Addressed	all	recipients	of	Artillery
Instructions	157.			

From

Place

Time

The above may be forwarded as now corrected.

(Z)

*Censor.*

Signature of Addressor or person authorised to telegraph in his name

\* This line should be erased if not required.



2nd. AUSTRALIAN DIVISIONAL ARTILLERY WARNING ORDER No.30.  
=====

147

Reference : 1/10,000 ZILLEBEKE SHEET.  
-----

Headquarters,  
Sept. 6th.1917.

1. The 2nd. Australian Divisional Artillery will shortly be relieved in their present sector, and will take over positions as detailed in para.9. Guns will be withdrawn and put in new positions.
2. The 2nd. Australian Divisional Artillery will be reinforced by the 4th. Australian Divisional Artillery and constitute the Left ANZAC Group, consisting of two Groups (2nd. Aust. D.A.G. and 4th. Aust. D.A.G.) which will cover an approximate front from J.8.c.3.3. to J.2.c.5.7..
3. There will be very little time between the occupation of positions and the commencement of operations, so it is essential that work is commenced and improvements made directly positions are taken over. Each Battery will send an officer tomorrow, 7th. September, to learn their respective Battery positions, and organization of ammunition supply and communications.
4. Slit trenches immediately behind guns for the protection of active numbers are to be dug as deep as possible and 1' 6" wide. Concrete is available for these, so that with a system of drainage, personnel should have cover.  
Ammunition recesses at Battery positions will be made weatherproof.
5. It is probable that a rapid rate of fire will have to be maintained for considerable periods.  
(a) Arrangements are to be made that the minimum personnel are actually at the guns, and a resting position will be selected and made as shell proof as possible, about two or three hundred yards from the usually shelled area. Minimum detachments will work in relief.  
(b) One section will always be resting, checking sights, cleaning and sponging out, etc..  
(c) Receptacles for water for sponging out and cooling guns are essential. Biscuit tins let into the ground, failing anything else, will answer the purpose.
6. Communication forward of Batteries will be difficult and visual signalling from O.P's and for F.O.O's will be a necessity to supplement telephones.
7. Present O.P's commanding the zone are situated from J.8.c.1.8. along the WESTHOEK RIDGE to "KIT & KAT."  
J.7.b.8.8. is visible to MANBA CRATER about I.12.c.3.8. MANBA CRATER is visible to Battery positions in I.17.b..  

P.T.O..

*Notes*



18

2.

8. AMMUNITION. Dumps will be maintained at the guns -

18-pounder 1250 rounds per gun.  
4.5" How. 1000 Rounds, 106 fuze, per how.

9. 2nd.Aust.Div.Artly.Group H.Q. ) will relieve "B" Group at  
4th. " " " " ) I.14.b.1.6. (Lieut-Colonel  
A.P.GORDON,D.S.O.)

10th.Bty.A.F.A. will relieve A/112 at I.11.c.5.4.  
11th. " " " " B/112 " I.11.c.5.6.  
12th. " " " " C/112 " I.11.c.6.8.  
104th. " " " " D/112 " (I.17.b.6.8.  
(I.18.a.1.5.

13th. " " " " A/235 " I.11.d.2.4.  
14th. " " " " B/235 " I.11.c.95.55.  
15th. " " " " C/235 " I.11.c.95.70.  
105th. " " " " D/235 " I.11.c.8.5.

4th.Aust.Div.Artillery will relieve

37 A/113 " I.11.d.6.7.  
38 B/113 " I.17.b.15.65.  
39 C/113 " I.11.d.6.8.  
40 D/113 " I.17.a.1.9.

41 A/236 " I.17.b.6.7.  
42 B/236 " I.17.b.6.5.  
43 C/236 " I.17.b.35.60.  
44 D/236 " I.17.b.20.40.

10. ACKNOWLEDGE.

Major R.A.  
Brigade-Major, 2nd.Aust.Div.Artillery.

# DISTRIBUTION:-

- Copy No. 1. 1st.ANZAC R.A.  
2. 2nd.Aust.Division "G"  
3. 4th.A.F.A.Brigade.  
8 -12.5th.A.F.A.Brigade.  
13 -16.2nd.Aust.D.A.C..  
17. 2nd.Aust.D.T.M.O.  
18. Artly.Sig.Officer.  
19. 1st.Aust.Div.Artillery  
20 -29 4th.Aust.Div.Artillery.  
30. Staff Captain.  
31 -33 War Diary  
34. File.

Issued at 8.p.m.



SECRET.

19

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY



Headquarters,

8th September, 1917.

1. The Boundary line between Sub-Groups of LEFT ANZAC GROUP will be the prolongation of a line connecting points J.7.b.90.25 and J.8.b.0.8
2. 4th Aust. D.A.GROUP will cover the RIGHT Sector,  
2nd AUST. D.A.GROUP will cover the LEFT Sector.
3. S.O.S. Lines will overlap the Sector Boundaries by 50 yards and be brought in as close as Battalion Commanders consider fit. Liaison Officers will give constant information regarding this to GROUP H.Q.
4. Harassing fire will be continued in the proportion of 1/3 by day and 2/3 by night.
5. GROUPS will find Battalion Liaison Officers for the Battalions holding their respective sectors and arrange that Liaison Officers of 25th D.A. are relieved in good time.

Major, R.A.,

Brigade Major,

2nd Australian Divisional Artillery.

4th Australian D.A.Group, 10 Copies,

2nd Australian D.A.Group, 10 Copies.

9/11/17



SECOND AUSTRALIAN DIVISIONAL ARTILLERY

OPERATION ORDER No 31

by

BRIGADIER-GENERAL G.J. JOHNSTON, C.B., C.M.G., V.D.

Reference Map: 1/10,000: ZILIEBEKE Sheet

8th September, 1917.

1. *that* 1st A.N.Z.A.C. took over at noon on 5th September, from Second CORPS portion of the line held by them between JAP AVENUE and J. 1. d. 6-2-

2. 2nd Australian Division will eventually hold this line from J. 8. c. 4. 7. to J. 1. d. 6. 2., supported by 2nd and 4th Austrn. D.A. Groups under Brig-General G.J. JOHNSTON, C.B., C.M.G., V.D., as LEFT ANZAC GROUP. The 1st Australian Division will be on the RIGHT, the 42nd Division on the LEFT.

BOUNDARIES of 2nd Australian Division will be:-  
On the South, continuation of the road running along the Northern edge of POLYGON WOOD - J. 8. d. 0. 6. - J. 13. a. 52. 92.-  
I. 18. b. 2. 5. along the MENIN ROAD.

On the North, J. 28. c. 0. 9. - J. 1. d. 6. 2. - J. 7. a. 6. 7. -  
I. 12. b. 0. 5 - I. 12. a. 1. 0.

4. Left A.N.Z.A.C. GROUP will relieve 25th D.A. Group, and support 47th Division (who will be holding the Corps Front) over the Sector detailed on para. 2. The 1st Australian D.A. GROUP will cover the right of the 47th Division Sector.

5. RELIEFS will be carried out as under:-  
One Section per Battery on the first night and two on the second. Guns will be taken in and Registrations completed as soon as possible.

Advance parties, consisting of 1 Officer and 3 Telephonists will proceed to Group H.Q. and Battery positions to take over communications, etc., on the morning of the first day of relief.

Camouflage, Aiming posts, maps, photographs and any Trench stores will be taken over. Attention is drawn to G.H.Q. Arty. Circ. 2

On nights, September 9/10, 10/11, 2 Brigades 4th Aust. D.A. will relieve 113th and 238th Brigades R.F.A.

On nights September 9/10, 10/11, 4th Aust. F.A. Bde will relieve 235th Brigade R.F.A.

On nights September 10/11, 11/12, 5th Aust. F.A. Brigade will relieve 112th Brigade R.F.A.

6. Lt-Col. J.L. SHELLSHEAR will command the 2nd Aust. D.A. GROUP Headquarters, I. 14. b. 1. 6.

Lt-Col. T.J.C. WILLIAMS, D.S.O., will command the 4th Aust. D.A. GROUP Headquarters, I. 14. b. 1. 6.

7. AMMUNITION will be taken over at noon on the second day of relief. LEFT A.N.Z.A.C. GROUP will take over accounting for Ammunition of the Brigades to be relieved by them as from noon, 9th inst. Scale of ammunition as detailed in Order No 30 will be maintained.

8. WIRELESS SETS will be erected at GROUP HEADQUARTERS.

9. Commands will pass on completion of reliefs. Completion of relief of each Section and GROUP Headquarters to be notified V.D.A.H.Q. to

10. LIASION: An officer of the rank of Captain or over will be detailed by 2nd Aust. D.A. Group to report to Infantry Brigade H.Q. at BIRR X Roads at 4 p.m. on 10th September

*to act as Liaison Officer.*

T.T.O.



# APPENDIX

9

1c1

(2)

## OPERATION ORDER No 31 - Contd.

11. The 2nd Aust. D.A.C. will relieve 25th D.A.C. by night 13/14 Septr.  
The 4th Aust. D.A.C. will relieve 47th D.A.C. by night 10/11 Septr.
12. 2nd Australian Div. Artillery H.Q. will take over from 25th Division Artillery H.Q. at 8 a.m, on 10th September, at SCOTTISH CAMP G.23.b.O.7.
13. ACKNOWLEDGE.



Major, R.A.

Brigade Major,

2nd Australian Divisional Artillery.

Issued at 3.30 p.m.

### DISTRIBUTION:-

Copies 1-5	4th A.F.A.Bde,
6-10	5th A.F.A.Bde,
11-14	2nd Aust D.A.C,
15-16	D.T.M.O.
17-28	4th Aust. D.A.
29	2nd Aust Div. "G",
30	R.A., 1st A.N.Z.A.C.
31	1st Aust. Div Arty.
32	42nd Div. Arty
33	25th Div. Arty,
34	6th Squad. R.F.C.,
35	1st ANZAC H.A.
36-37	47th Division
38	Staff Captain,
39	Reconnaissance Officer,
40	Artillery Sig. Officer,
41-43	War Diary,
44	File,
44-50	Spares.



SECRET

APPENDIX

COPY TO

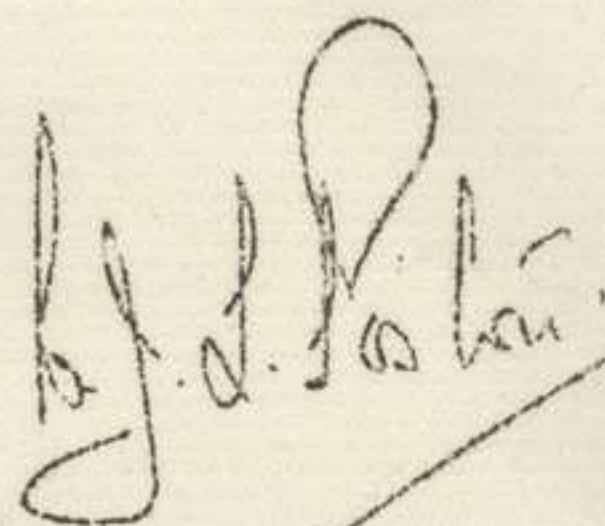
17  
152SECOND AUSTRALIAN DIVISIONAL ARTILLERY  
=====

Headquarters,

8th September, 1917.

AMENDMENT No 1 to O.O. No 31  
-----

PARA 5, line 3.      4th Australian F.A. BRIGADE only will take in  
their guns; the remainder will be exchanged and  
guns taken over in situ.



Major,

Brigade Major,

2nd Australian Divisional Artillery.

To all recipients of O.O. No 31.

OK



SECRET

COPY No. 31

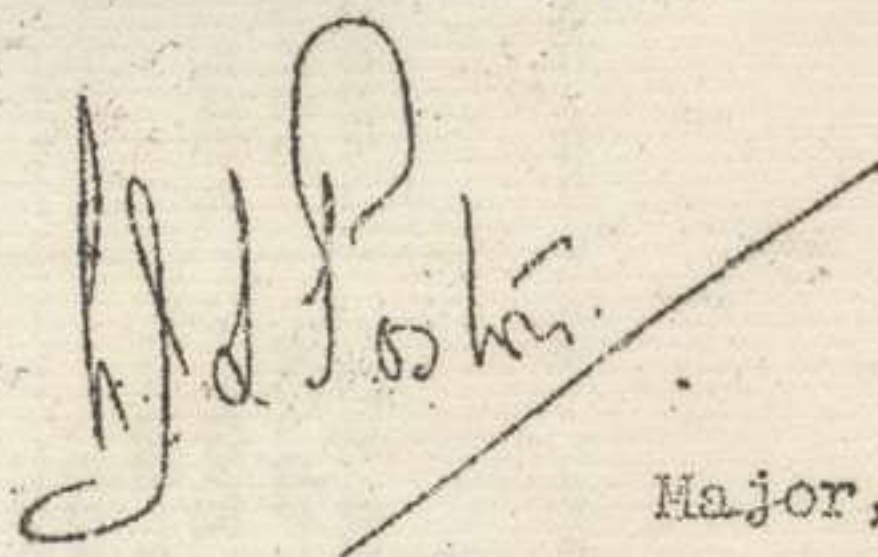
153

## OPERATION ORDER No 32

by

BRIGADIER-GENERAL G.J. JOHNSTON, C.B., C.M.G., V.D.,  
Commanding 2nd AUSTRALIAN DIVISIONAL ARTILLERY.Headquarters,  
9th September, 1917.

1. During forthcoming operations, 5th A.F.A. Brigade will move to forward positions on the capture of certain objectives by the Infantry.
2. The C.O., 5th A.F.A. Brigade will reconnoitre positions for three 18 pdr Batteries about I.12.b.5.0. to 5.5 and for one Howitzer Battery about J.7.c.2.4. No more room than is absolutely necessary must be taken as other Brigades will be advancing later. Batteries will have to be in echelon.
3. Roads are being constructed from I.11.d.4.2. round the North end of the ETANG DE BELLEWARDE to meet a road starting from I.18.a.5.6..
4. The C.O.'s, <sup>4th</sup> 5th and 10th Brigades will reconnoitre positions for their Brigades about the North end of J.7.d. and J.7.b., respectively. It is not thought possible that these can be made ready in time for occupation during the first phase of operations. But they MUST be occupied during the first pause. Consequently they are to be sited and completed as soon as possible.
5. Roads will be constructed towards these positions from that mentioned in para. 3.
6. Positions are to be pegged out and reconnoitred and a report, giving exact co-ordinates, forwarded to this Headquarters as soon as possible.
7. Ammunition will be dumped in accordance with Table overleaf. It has been decided that ammunition dumped in forward positions will be surplus to this amount.

*Issued at 6 pm.*


Major, R.A.

Brigade Major,

C.O., 4th A.F.A. Bde,	Copies 1/5	2nd Australian Divisional Artillery
C.O., 5th A.F.A. Bde,	" 6/10	
2nd Aust. D.A.	" 11/21	
C.O., 2nd Aust. D.A.C.	" 23/25	
1st ANZAC R.A.	" 26	
2nd Aust. Div.	" 27	
Staff Captain,	" 28	
2nd D.A. Sig Officer.	" 29	
Recon. Officer,	" 30	
File	" 31	
War Diary	" 32/34	
Spare	" 35/39	



TABLE "A".

1. Nature of Piece	2. Total amount of Ammunition to be dumped per gun- 7 complete days before attack.	3. Amount to be fired on actual day of attack.	4. Probable total amount of Ammu- nition to be fired during operations.	5. Amount to be on hand in bat- tery positions at midnight after day of attack.	6. Amount to be dumped in bat- tery positions 7 complete days beforehand.	7. Amount to be brought up during the 7 days previous to day of attack.
18-pdr.	1250	340	1350	500	1000	850
4.5" How.	1150	290	1300	300	1000	600

NOTES: (1) All special shell, Smoke or Gas, will require to be included in the above allotments.  
 (2) Any Ammunition dumped in forward positions will be in addition to the above figures.

APPENDIX



AMENDMENT No 1 to O.O. No 32

PARA 4, Line 1 for "5th Brigado" read "4th Brigade".

Headquarters,  
2nd Aust.D.A.,  
11/9/17.

*L.P. O'H.*

Major, R.A.,  
Brigade Major,  
2nd Australian Div. Arty.

To all recipients of O.O. No 32.

*Copies sent direct to  
4th D.A.G.*

*9/11/17*



SECOND AUSTRALIAN DIVISIONAL ARTILLERY

156

Headquarters,

12th September, 1917.

C.O., "C" Group,  
C.O., "D" Group,  
✓ ~~Staff~~, 4th Aust D.A.  
Staff Captain,



With reference to C.O. No 32 and the establishment of Ammunition shown in Table, the following is an explanation:

- Column 2. This amount must be available, but 250 rounds of it.
- Column 3. Is clear.
- Column 4. Includes the 340 rounds mentioned in No 3.
- Column 5. Is clear.
- Column 6. Is now clear with the explanation to column 2.
- Column 7. If only 1000 rounds are actually at the gun position, <sup>850</sup> ~~1000~~ will have to be brought up in order to cover the amount expended in Columns 4 and 5.

Column 4 plus Column 5 = Column 3 plus Column 7.

*J. P. [Signature]*  
Major, R.A.  
Brigade Major,  
2nd Aust. Div. Arty.



S E C R E T

157

## DIVISIONAL ARTILLERY ORDER No 33

1. With reference to 2nd Australian D.A. Instruction No 1, the first two bombardment barrages will be carried out on a day and at hours which will be notified separately.
2. The first will be a Corps barrage only and as simple as possible. The second will be carried out in conjunction with the Corps on our right.
3. Machine guns will not be used, as the depths of the barrage will be less than laid down in the stereotyped plan. It will consist of Areas "A", "B", "D" and "E", the intervals being as follows:  
From line of H.P.1 of 18-pdrs "A" to "B":-200 yds; "B" to "D":-200 yds; "D" to "E":- 100 yards.
4. The nearest lines of the "A" barrage before commencing to creep, will be about 500 yards in front of our present line, as shown on barrage map attached.
5. The lifts of the barrage are shown in attached diagram.
6. Attention is drawn to para 8 of above quoted Instructions and reports are to reach this office by last D.R. of the day of practice.
7. All batteries will take part in the barrages.
8. Ammunition: 18-pdr. 164 rounds.  
4.5" Hows. 102 rounds.
9. Rates of Fire: 18-pdr. 2 rounds p.g.p.m.  
4.5" Hows. 1 round p.g.p.m.
10. ACKNOWLEDGE.

2nd Aust. Div. Arty,  
11th September, 1917.

"C" Group,	5	
"D" Group,	5	
1st ANZAC R.A.	1)	
4th Aust D.A.	1)	
1st Aust D.A.	1)	
42nd D.A.	1)	For
11th A.F.A.Bde	1)	information
5th A.F.A.Bde	1)	only
War Diary	3)	no
R.C.	1)	map
Sig. Officer	1)	
File	1)	
Spares	3)	

*over*



*H. J. P.*  
Major, R.A.,  
Brigade Major,  
2nd Aust. Div. Arty.



DIVISIONAL ARTILLERY INSTRUCTION No 1,  
by  
BRIGADIER-GENERAL G.J. JOHNSTON, C.B., C.M.G., V.D.,  
COMMANDING 2nd AUSTRALIAN DIVISIONAL ARTILLERY.

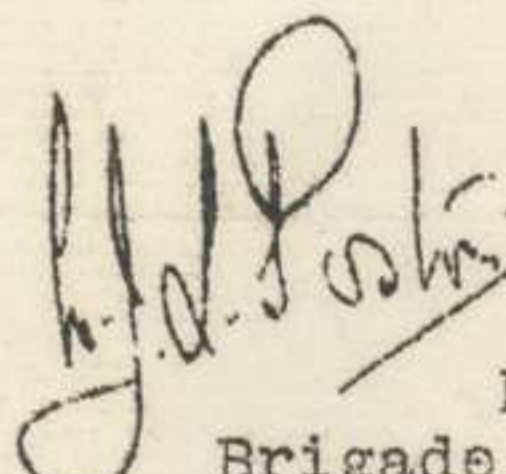
1. The Second Army is continuing its offensive operations and the Fifth Army will advance at the same time.
2. The role of the 1st ANZAC will be to advance in a North-Easterly direction and seize the high ground between BROOD SEINDE and BECELAERE.
3. The first step in this advance will be the capture of the line  
J.15.d.3.9.- CARLISLE FARM - J.15.b.2.8. - J.9.d.2.7. -  
J.9.b.3.1.- J.9.b.4.4.- J.9.b.2.6.- J.3.d.05.40.- J.3.a.6.2.-  
J.3.a.7.5.- ANZAC HOUSE.
4. The four Australian F.A. Brigades now covering the Left half of the Divisional Front are not all required for Defensive purposes. Consequently Group Commanders will arrange for half their command to be on duty until active operations commence. This will allow more men for the preparation of forward positions. All Batteries will register datum and other necessary points immediately they have taken over.
5. The 104th Howitzer Battery is placed at the disposal of B.G.C.H.A. for counter-battery work.  
Every opportunity of neutralising hostile guns within range of 18- pdrs is to be taken, either with observation from the ground or air. Group commanders will detail one battery to answer all Zone calls. In the case of LL calls, all batteries on duty will answer, unless Barrage fire or a special task is being carried out. The enemy's system of defence from shell holes and counter attack often produces very vulnerable targets.
8. With reference to harassing fire, certain lines of communication are to be left untouched, or fired on very lightly, in order to induce the enemy to use these, when they will be thoroughly dealt with. The route selected on this front is the road running along the Northern edge of POLYGON WOOD, thence by J.4.d.3.1.- J.5.c.1.6.- J.5.a.90.45.- D.30.d.10.55.
7. In order to deal effectively with the enemy's new system of defence, the old principles of creeping and standing barrages are inadequate. It is necessary to cover the whole ground to be taken to a depth of a thousand yards into successive lines of barrages from different natures of guns. These lines move forward as the Infantry advance. On an objective being gained, a continual searching of the ground beyond the protective barrage is necessary. This is the system on which barrages will be arranged on the day of attack. Heavy Artillery fire will be directed on strong points within their zones so as not to cover the country with a mass of shell holes.
8. Practice barrages will take place twice a day during the preliminary bombardment. Group commanders will see that these are even and joined up and forward a report to D.A.H.Q., also on the hostile barrage.
9. All communication trenches will be blocked on the first day of bombardment. This will be done by 4.5" Hows, assisted if necessary by 6" Hows. Any hostile fire is to be reported and will be dealt with immediately.
10. On the day of attack, for four hours previous to Zero hour, 60-pdrs and 4.5 Hows. will neutralise all hostile batteries with Gas shell. This procedure will also be carried out during the preliminary bombardment. 70% of shell will be Lachrymatory and 30% Lethal, all C.B.R. if possible. Attention is drawn to S.S. 134 "Instructions on the use of "Lethal and Lachrymatory Shell"  
In all cases the bombardment should start with a few rounds of H.E. as more damage may be done before the change to gas shell is noticed.



11. Gas shell will also be employed on several occasions during the preparatory period by 60-pdrs and 4.5" Hows for neutralising batteries and also for concentrated shoots by 4.5" Hows on selected localities, such as known assembly positions.
12. A proportion of gas shells will be retained for this purpose of gassing probable assembly positions or lines of approach of counter attack after the objective had been gained. The areas to which Divisions are known to move forward on the period of special vigilance being ordered are:-
- The trenches in front of BECELAERE in squares J.18.a. and c. also the trenches in J.10.c. and d. and J.4.d. about MOLEN AARELSTHOEN
13. Rates of fire will, as a general rule, not exceed
- |            |                |
|------------|----------------|
| 18-pdr     | 2 rds p.g.p.m. |
| 4.5" Hows. | 2 rds p.g.p.m. |
- The rates for 18-pdrs at the commencement of the barrage will be higher.
14. [40%] The proportion in which gas shell should be drawn for 4.5" Hows is to 104th Battery and 20% to each of the other How. Batteries.
15. Each Brigade will have at least one O.P. of its own, self-contained; and pool resources in order to maintain the lines. Alternative lines should be laid and laddered when thought desirable. Dugouts are to be made for all personnel at O.P.'s and all O.P.'s must have organised visual communication, which is to be practised daily and nightly by test messages. One O.P. will be manned at night. The above is the minimum. [PER GROUP]
16. A Tactical O.P. for watching enemy barrages and area shoots S.O.S. etc, will be maintained at MONBA CRATER and the system taken over from "B" Group of 25th D.A. Group will hold good. MONBA CRATER is substituted for YEOMANRY POST.
17. In order to ensure communication with F.O.O.'s during an attack, Brigades will pool their resources and concentrate on the one line until such time as Battery observers can get their own communication, which will be done as soon as possible. Each Battery will supply two or three telephonists, two telephones and half a mile of wire. Two officers will go out and two signalling lamps per Brigade. Forward O.P.'s will be selected before the attack and one officer with the two signallers and one lamp will go to this as soon as it is taken and get into communication by lamp with the old O.P. The other officer will lay the line, dropping men with telephones about every 3 or 400 yards (A man cannot maintain more) The first message may be answered by some prearranged signal, such as a Very light but the remainder should be D.D. messages.
18. In future the 4th D.A. GROUP will be known as "C" GROUP,   
2nd D.A. GROUP will be known as "D" GROUP 

Headquarters,

2nd Aust. Div. Arty.  
11/9/17

  
Major, R.A.  
Brigade Major,  
2nd Australian Div Arty.

Issued to:-

1st ANZAC R.A.	Copy No 1
"C" Group,	2
"D" Group	3
4th Aust D.A.	4
47th Division	5
2nd Aust. Div	6
Sig. Officer	7
Recon. Officer	8

War Diary Nos 9-11  
File 12



## SECOND AUSTRALIAN DIVISIONAL ARTILLERY.

INSTRUCTIONS No. 2.Headquarters,  
Sept. 13th. 1917.

1. It is intended to form pools of 18-pounders and 4.5" Howitzers for the forthcoming operations.  
A pool will be formed at the Mobile Workshops for the Divisional Artillery Group.
2. When a gun requires replacing, another may be drawn from the pool on an ordinary indent; and the team that brings the new gun must take the damaged one back to the Workshop, or a certificate from the Battery Commander that the gun is too badly damaged to replace. On arrival on a new gun from the Base it will go into the pool.
3. Guns will be sent from the pool stripped and the following procedure will be followed in the case of replacement of stores sights, etc.:-  
When a store or sight becomes a casualty, an indent will be sent in the usual way, or the damaged article itself may be sent in, in which case the store will be issued from the pool. The new store on arrival from the Base will go into the pool. In the case of stores, Battery Commanders' certificates will only be accepted when the stores have been actually destroyed. Memorandum of Examination will accompany all guns sent to or drawn from the pool.
4. Battery Commanders must conform implicitly to these orders, which it is hoped will enable Ordnance to keep the Batteries in the line up to strength. Very great chaos has been caused in the past by Battery Commanders not observing rules on this subject.
5. The 1st. and 5th. Australian Divisional Artilleries will each send six 18-pounders and three 4.5" howitzers for the pool. the 1st. Aust. Divisional Artillery for the Right Division and the 5th. Australian Divisional Artillery for the Left Division.
6. Pool guns will be at Nos. 24 and 29 Ordnance Mobile Workshops at Street 27 - L.33.d.2.4..
7. The following is a list of stores that will be sent with the guns in the pool, and these stores are the only ones available for exchange with the pool :-

18-pounder.  
Memoranda of Examination  
Sights, Dial, No. 7.  
Sights, Rocking Bar  
Sights, Telescopic  
Sights, Clinometer

4.5" Howitzer.  
Memoranda of Examination  
Sights, Dial, No. 7.  
Sights, Bar, Carriage,  
Field, 4.5" Howitzer.

In addition to the above, the following spare stores will be sent to the pool by each of the 1st. and 5th. Australian Divisional Artilleries :-

18-pounder.  
Sights, Dial, No. 7. ....5  
Sights, Rocking Bar.....2  
Sights, Telescope.....3  
Sights, Clinometer.....5  
Breech mechanism, complete.....4  
For Air recuperator Carriages  
Pumps.....3  
Flexible Tube.....3  
Gauge Glasses.....3

4.5" Howitzer  
Carriage, No. 1.....3  
Sights, Bar, Carriage,  
Field, 4.5" Howitzer...2  
Breech mechanism.....2



(2)

These spare stores will not be in sufficient quantities in the Divisional Ammunition Columns and must be taken from batteries. A receipt for all guns and stores sent to Ordnance Workshops will be demanded and given.

8. Every officer is to be made acquainted with these instructions, and the fact impressed upon him that he will only cause delay and vexation by departing in the slightest from them. It is all important that all batteries should be kept up to establishment.

9.

ACKNOWLEDGE. ✓ *Ans*

Major R.A.,  
Brigade Major,  
2nd Australian Divisional Artillery.

DISTRIBUTION.

"C" Group,	1-9
"D" Group.	10-18
4th Aust.D.A.	19
5th A.F.A.Ede.	20
11th A.F.A.Ede.	21
2nd Aust.D.A.C.	22/25
4th Aust.D.A.C.	26/29
File	30
War Diary.	31/33



SECRET

## SECOND AUSTRALIA DIVISIONAL ARTILLERY

COPY No 2/162

ORDER No. 34

Headquarters,  
13th Sept. 1917.

1. Maps and Diagrams for the two Bombardment Barrages to be carried out on "A" day are enclosed.
2. 1st Barrage "A" day:  
Will only cover the front of the Left Group of each Divisional Artillery.  
The whole of the guns of Left ANZAC Group will however be used, as the object is to intensify the fire. The Batteries of "C" Group will be superimposed on those of "D" Group.
3. Distance of Starting Line of Creeping Barrage - 500 yards beyond the Eastern line shown in attached map, and as stated in Barrage Diagram.
4. Time of commencement of Barrage - 5.0 a.m.
5. 2nd Barrage "A" Day:  
Will be carried out throughout the whole front of the Second Army. Barrages will overlap the Corps Sector 100 yards; Divisional Sector as before ordered.
6. Starting line of Creeping Barrage - 500 yards beyond the Eastern Line shown in attached map.
7. Time of commencement of Barrage - 10.0 a.m.
8. Ammunition required:
 

16 - Pdr.	168 rounds,
4.5" Hows.	144 rounds,
9. Rates of Fire and Reports: as in O.C.33.
10. Orders re synchronism of watches will be issued later.
11. ACKNOWLEDG. ✓ *AS*

Issued at 3.30 p.m.

C.O. "C" Group,	Copies No 1/3,
C.O. "D" Group,	10/18
1st ANZAC B.A.	19
2nd Aust. Div.	20
4th Aust. B.A.	21
1st Aust. D.A.	22
42nd D.A.	23
C.O., 11th A.P.A. Bde,	24
C.O., 5th A.P.A. Bde,	25
War Diary	26/28
File	29
47 "D" Div	30

Major, P.A.,  
Brigade Major,  
2nd Aust. Div. Arty.

For  
information

no

map.



9  
SECRET

APPENDIX

Copy No 2

SECOND AUSTRALIAN DIVISIONAL ARTILLERY

INSTRUCTION No 3

168

Reference: HOOGE Sheet  
1/10,000  
Sheet 28, 1/40,000

14th September, 1917.

1. DISPOSITIONS: The operation outlined in 2nd Aust.D.A. Instruction No 1 will be carried out by the 1st Aust Div on the Right and the 2nd Aust. Div. on the Left. The 9th Division will be on the Left of the 2nd Aust.Div. The 6th A.I.Bde will be prepared in the first instance to take over the Divisional Front. The attack will be carried out by the 7th and 5th Bdes (Inf) on the Right and Left respectively.

2. HEADQUARTERS: Advanced Divisional Headquarters, H.21.d.6.2.  
6th A.I.Bde, BIRR X ROADS,  
5th and 7th A.I.Bdes I.12.c.3.5.  
5th and 7th A.I.Bdes, (Advanced) I.7.a.3.1.

In the event of the 6th A.I.Bde being required to move forward from I.12.b., Headquarters will be on WESTHOEK RIDGE.

3. COMMUNICATIONS: Two buried lines run forward from BIRR X ROADS Exchange to BELLEWARDE RIDGE; this is being carried on. Arrangements are being made for more direct communication with No 17 Balloon Coy.

4. BARRAGES: The 5th and 10th Aust.F.A.Bdes will be superimposed on the 4th and 11th Aust F.A.Bdes respectively. The 5th Aust. F.A.Bde will be placed at the disposal of the G.O.C., 2nd Aust. Division, but will be employed in Barrage fire unless otherwise ordered.

5. WIRELESS: (a) Four Wireless masts will be used:-  
1. in connection with Batteries at the disposal of the G.O.C. (5th A.I.Bde)  
1. " " " 104 How.Bty for C.B.work,  
1. " " " "C" Group 18-pdr Btys.  
1. at Divisional Headquarters.  
(b) G.F. and M.F. Calls will be answered by all batteries not already employed on a special task, otherwise as in sub para (d).  
(c) L.L. Calls will be answered by all batteries that can reach the spot. If other important work is in progress one section per battery only will be taken off for the call.  
(d) If G.F. calls are received during the advance and Barrage fire, those calls within range will be answered by 5th A.I.Bde. Should those batteries be engaged on special tasks for the G.O.C., 2nd Aust.Div., each will divert one section to answer the call.  
(e) The wireless operator is not to translate messages from the code or to put out or to give orders to put out Ground Strips. This is the duty of the Battery Commander.

6. RATES OF FIRE: As a rule, <sup>18-pdr</sup> Batteries will fire 20 rounds per gun and 10 rounds per 4.5" How. for G.F.Calls. For L.L. calls all guns, that under above arrangement can fire, will do so at a rapid rate for 5 minutes, when they will stand to for further Aeroplane signals, and will either recommence or return to their original tasks.

7. SITUATION: The likelihood of a call signifying a counter attack should be carefully considered by Group Commanders beforehand and they will study, what will in all probability be, the line of advance of the attack and should give previous orders to their batteries as to distribution.

P.T.O.



If it is certain that a counter attack is in progress they will not be limited to five minutes or a fixed number of rounds, but will continue to fire as long as they are required.

8. HARASSING & ISOLATING FIRE. If required, registration of approaches, etc, can be carried out by 17th Balloon Coy.
9. COUNTER BATTERY: The 104th How. Bty detailed for counter battery work, will answer all N F and G F calls in the inner zone,
10. LIAISON ✓ Lt-Col. H.W.LLOYD, C.M.G., D.S.O., will act as Liaison Officer with the 5th A.I.Bde during forthcoming operations.  
 ✓ Lt-Col EDWARDS- P.M. will act as Liaison Officer with the 7th A.I.Bde.
11. AMMUNITION. Smoke shell will probably be required; orders will be issued later.
12. ACKNOWLEDGE. ✓ *as*

*J.P. Smith*

Major, R.A.,  
 Brigade Major,  
 2nd Australian Division Artillery

1st ANZAC R.A. Copy No 1  
 1st ANZAC H.A. 2  
 2nd Aust. Div. 3  
 "C" Group 4-12  
 "D" Group 13-21  
 5th A.F.A.Bde. 22  
 11th A.F.A.Bde. 23  
 1st Aust.D.A. 24  
 4th Aust.D.A. 25  
 42nd D.A. 26  
 47th ~~D.A.~~ Div. 27  
 No. 17 K.B. Coy. 28  
 2nd Aust.D.A.C. 29  
 4th Aust.D.A.C. 30  
 Staff Capt. 31  
 Arty. Sig. Officer. 32a  
 File 32-34  
 War Diary. 35

*W.H.D.*



A35/33.

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Headquarters,  
15th Sept. 1917.NORMAL DISTRIBUTION OF OPERATION ORDERS.

"C" Group.	1-9
"D" Group.	10-18
2nd Aust. Div.	19
1st ANZAC R.A.	20
1st ANZAC H.A.	21
5th A.F.A.Bdo.	22
11th A.F.A.Bde.	23
42nd Div. Arty.	24
1st Aust. Div. Arty.	25
47th Division.	26
2nd Aust. D.A.C.	27
4th Aust. Div. Arty.	28 ✓
4th Aust. Division.	29
4th Aust. D.A.C.	30
File .	31
War Diary.	32-33

Issued to all of  
abovementioned.

Major R.A.,  
Brigade Major,  
2nd Aust. Divnl. Arty..



## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

ORDER No 35

15th September, 1917.

1. Maps and Diagrams for Bombardment Barrages on "B" Day are enclosed.  
 2. These Barrages will be in conjunction with the Corps on the Left.  
 3. 1st BARRAGE, "B" DAY:

- (a) Will cover the Corps Front.  
 (b) The usual overlap of 100 yards on the Corps Boundary and 50 yards on the Divisional Boundary.  
 (c) Starting Time - Dawn (Exact time will be notified later)

4. 2nd BARRAGE "B" DAY: *Right*  
 (a) Will cover the front of the ~~Left~~ Groups of Divisional Artillery Groups.  
 (b) All available guns will be used to intensify the fire. "D" Group will be superimposed on "C" Group.  
 (c) The usual Divisional overlap.  
 (d) Starting Time - 3 p.m.

5. The starting line for Barrages, 450 yards East of Infantry Jumping off line as shown on Maps issued with 2nd Aust. D.A. Order No 34.

Ammunition Required:		
	1st Barrage	2nd Barrage
18-pdr	84	78
4.5" How.	54	48

7. Rates of Fire and Reports: as in O.O.33

8. ACKNOWLEDGE. ✓ *Ans*

Major, R.A.,  
 Bde-Major, 2nd Aust. Div. Artillery

Issued at 1.30 p.m.

NORMAL DISTRIBUTION



SECRET

Copy No 28

187

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

ORDER No 36

15th September, 17

1. Diagrams for two Bombardment Barrages to be carried out on "C" Day are enclosed.

2. 1st BARRAGE "C" Day.

(a) This barrage will be carried out on the entire front of the Second Army, and in the following order of natures of guns from West to East, - B, A, E, D.

(b) The starting line ("B" Barrage) will be 650 yards East of the Infantry Jumping off line as shown in map issued with 2nd Aust D.A. Order No 34.

(c) Starting time - 6 a.m.

3. 2nd BARRAGE "C" Day

(a) Over entire front of 2nd Army and in the following order from West to East, - A, B, D, E.

(b) The starting line will be 2,950 yards East of the Infantry jumping off line as shown in above mentioned map.

(c) Starting Time, 8.30 a.m.

4. The usual Corps and Divisional overlap.

5. Ammunition Required:

	1st Barrage	2nd Barrage
18-pdr	84	84
4.5" How	69	84

6. Rates of Fire and Reports, as in O.O. 33

Issued at 1.30 p.m.

NORMAL DISTRIBUTION.

*[Signature]*  
Major, R.A.,  
Bde-Major, 2nd Aust. Div. Arty

*[Handwritten mark]*



## LOCATION STATEMENT No 3

168

## LEFT ANZAC GROUP ARTILLERY

UNIT	LOCATION	WAGON LINES
Left ANZAC Group Headquarters. (2nd Aust. D.A.)	G.23.b.1.5.	(H.21.d.3.2.from 10am 18/9/17)
"C" Group, (10th A.F.A.Bde)	I.14.b.1.6.	G.23.c.7.0.
37th Battery,	I.11.d.6.7.	
38th Battery,	J.7.a.00.15	
39th Battery,	I.11.d.6.8.	
110th Battery (How)	I.17.a.1.9.	
11th A.F.A.Bde,	G.24.b.6.7.	G.24.b.6.7.
41st Battery,	I.18.a.08.34.	
42nd Battery,	I.12.c.68.08.	
43rd Battery,	I.17.b.22.15.	
111th How.Bty.,	I.17.b.20.40.	
"D" Group, (4th A.F.A.Bde)	I.14.b.1.6.	H.19.a.7.4.
10th Battery,	I.11.d.2.4.	
11th Battery,	I.11.c.95.55.	
12th Battery,	I.11.c.95.70.	
104th How. Bty,	I.11.c.8.5.	
5th A.F.A.Bde,	G.29.a.5.9.	G.29.a.5.9.
13th Battery,	I.11.c.5.4.	
14th Battery,	I.11.c.5.6.	
15th Battery,	I.11.c.6.8.	
105th How. Bty.	(I.17.b.6.8.) (I.18.a.1.5.)	
2nd Aust. D.A.C.	G.18.c.6.8.	
4th Aust. D.A.C.	Headquarters, 1st Section, 2nd Section, "B" Echelon,	G.20.b.1.1. G.14.d.0.5. G.15.c.5.5. G.21.d.2.6.
2nd Aust D.T.E.C.	H.13.d.0.5.	

DISTRIBUTION as per statement accompanying report of 11/9/17.  
To be destroyed on receipt of a later issue.

Headquarters,  
2nd Australian Div.Arty.,  
16th September, 1917.



SECRET

APPENDIX

SECOND AUSTRALIAN DIVISIONAL ARTILLERY

INSTRUCTION No 4

169

COMMUNICATIONS AND LIAISON

Headquarters,  
16th September, 1917

1. With reference to 2nd Aust.Div.Arty. Instruction No 3, para 3, and Instruction No 1, para.17 -  
In the latter, for Brigade read Group.
2. The buried system has now reached the point J.7.a.3.2. and is being carried towards J.7.d.8.9. and J.1.d.65.05. Group Commanders must keep in touch with this.
3. Four pairs in this system have been allotted to the Left ANZAC Group: two pairs (Nos 1 and 3) will be for the Brigade Artillery Liaison Officers: two pairs (Nos 2 and 4) will be for Group F.O.O's.
4. In the first stages of the attack, each Group will find one F.O.O. with party and equipment as outlined in Instruction No 1, para 17, and go forward with Battalion Headquarters. They will connect up to the two pairs Nos 2 and 4 at cablehead, wherever it may have reached and communicate with Group H.Q. and Batteries via BIRR X ROADS (BX). F.O.O's should also be in touch with, and as close as possible to, compatible with a good O.P., the Power Buzzer.
5. F.O.O's must remember that information is essential to the success of an operation; negative information is of value. They are Liaison Officers with the Battalions and F.O.O's. Having found where Battalion H.Q. will be, it is their business to observe, meanwhile informing H.Q. where they will be located.
6. F.O.O's and their parties are to be detailed at once; told the system on which they will work and given time to study the operation, map and ground. They will pick their next O.P. in collaboration with Brigade Signal Officers, and must be able to see the final objectives and as much ground as possible around them, in order to deal with counter attacks.
7. 

H.Q.

Brigade Liaison Officers will report to 5th and 7th Aust. Inf. Brigades, and Battery Liaison Officers to their Battalions, on the afternoon of the 19th inst. The former will take telephone operators and runners.
8. 

from F.O.O.

Visual Signalling back to old O.P's on WESTHORN RIDGE will be arranged as detailed in Instruction No 1.
9. Flank Batteries of Groups are to be connected by telephone direct with the Flank Batteries of Divisional Groups on Right and Left.
10. ACKNOWLEDGE. ✓ *Ans*

*Ans*  
NORMAL DISTRIBUTION with  
extra copies for 2nd A.D.  
Infantry Bdes and Btns.

*J. P. ...*  
Major, R.A.,  
Bde-Major, 2nd Aust. Div. Arty



SECRET

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

ORDER No 38

Headquarters,  
18th September, 1917"D" DAY BARRAGE No A.1.

1. At 5 0 am, "D" Day, the following barrage will be put down.

Depth of Barrage and Nature.

As for the attack day from Zero to Zero plus 45 minutes.

Breadth of Barrage.

For 500 yards South from the barrage dividing line between 1st ANZAC and V Corps.

Number of Guns to be used.

The actual batteries which will be firing on the above area during the attack.

2. There will be no overlap between Corps.
3. 18-pdrs will fire Shrapnel only if within 200 yards laterally of the Corps boundary. This proviso will also apply to Attack day Barrage.
4. In order to even up the ammunition expenditure of "D" day, a breadth and extent of barrage similar to that in paragraph 1, will be omitted from "D" day barrage No 1.

5. ACKNOWLEDGE. *ack*

*J. P. Ki*  
Major, R.A.  
Bde-Major, 2nd Aust. Div. Art

NORMAL DISTRIBUTION.

ISSUED AT 4 p.m.



SECRET

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

COPY No 28

ORDER No 39

Headquarters,

18th September, 1918

1. In order to join up with the V Corps, the RED protective barrage line has been curved to meet theirs on the Corps barrage boundary line at J.2.b.5.3. Tracings will be sent out showing this. It will only affect the Left of "D" Group, (2nd Australian Division).

2. During the attack Day Barrage, 18-pdrs firing within 200 yards laterally of the inter-corps boundary of the 1st ANZAC and V Corps will only fire Shrapnel.

3. ACKNOWLEDGE. *193*

*J. J. Polin*

DISTRIBUTION NORMAL

Major, F.  
Bde-Major, 2nd Aust. Div. Art

*Ans. 13.*



SECRETCopy No 21  
172

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

ORDER No 40  
=====

Headquarters,

18th September, 1917.

1. At zero hour on the Day of Attack, a barrage will be put down, under which the Infantry will move forward in each stage of their advance. As it creeps forward, a portion of this will remain as protective barrage whilst the Infantry halt at successive stages; the remainder sweeping the ground in front to a considerable distance and then returning in time to advance again in front of the Infantry in their next stage.
2. The starting times of the Infantry and the three stages of the advance are shown in barrage maps already issued.
3. The Infantry will use Red Flares to mark their position to contact Aeroplanes.
4. The innermost line of the barrage will be 150 yards in front of the line shown as the 'jumping off line'.
5. During the advance, every 18-pdr of "A" barrage, as it reaches each successive protective barrage line, will fire one round of smoke shell to mark its arrival. Batteries requiring smoke shell, will draw from the nearest battery able to supply, within the group.
6. Times of lifts, duration of protective barrages, programmes of the searching barrages and times of its return ready for a further advance are all shown on Barrage Maps and Diagrams already issued under this office A 35/44 of 16th inst. and A 35/50 of 17th inst.
7. The fire ceases, unless further required, at Zero plus 488 minutes (8 hours 8 mins).
8. The rates of fire are as follow:-
 

	<u>18-pdr</u>	<u>4.5" How.</u>	
During Advance	2 rds	1 rd	p.g.p.m.
During time Infantry are halted.	1 "	$\frac{1}{2}$ "	"
During first 4 minutes	4 "	1 "	"
For 4 mins. before advancing after each pause	) 4 "	1 "	"
9. These rates will be fired by guns in action. Rates will not be quickened to make up for guns resting, unless the battery is reduced below six guns. The rate of fire for four guns as laid down above must be maintained. From Zero to Zero plus 35 minutes, ALL 18-pdrs in the "A" barrage will be kept in action.
10. It must be carefully noted, that after each advance of the creeping barrage, whilst the Infantry are halting, every barrage on its return to the line, will be on a new line, parallel to the protective barrage. Time has been allowed in the Barrage Diagram, to adjust this line and it should, if possible, be registered beforehand.
11. Resting and overhaul of guns will be carried out as already detailed.

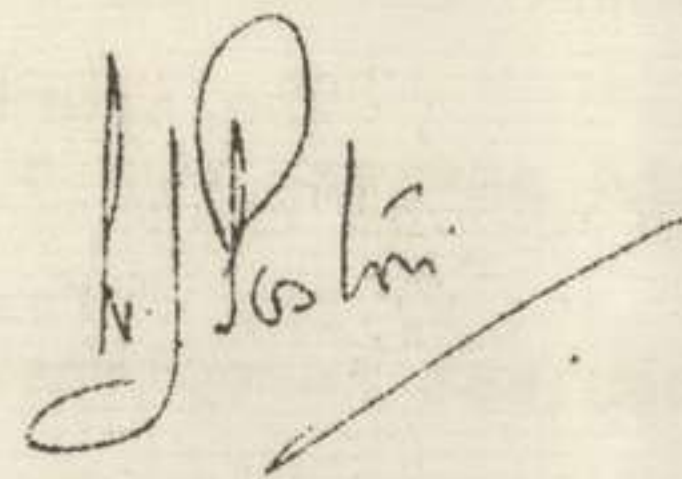
( P.T.O. )



173

( 2 )

12. <sup>B</sup> In addition to Liaison duties already detailed for Infantry Brigades and Battalions, Lt-Col. F. O'MAHONY, will act as 2nd Aust. D.A. Liaison Officer with the 9th Divisional Artillery at the MENIN GATE.
13. Communications and wireless as already detailed.
14. The extreme importance of accurate synchronisation of watches and exact timing is evident.
15. ACKNOWLEDGE. *ad*



Major, R.  
Ede-Major, 2nd Aust. Div. A

1/9 *	"C" Group
10/18 *	"D" Group
19	5th A.F.A.Bdo,
20	11th A.F.A.Bde,
21	4th Aust D.A.
22/25	2nd Aust. Div.
26	R.A., 1st ANZAC
27	H.A., 1st ANZAC
28	9th D.A.
29	1st Aust. D.A.
30	Liaison Officer (6th A.I.Bde)
31 *	Lt-Col H.W.LLOYD, C.B.E., D.S.O.
32 %	Lt-Col P.H. EDWARDS ("C")
33	Lt-Col F.O'MAHONY ("C")

Note- \* Maps & Diagrams issued,  
% Map only issued.





SECRET

Copy No 2174

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

ORDER No 41

=====.

Headquarters,

19. 9. 17.

1. On the morning after the attack, about 4.30 a.m.,  
(exact Zero hour will be notified later) a barrage will be put  
down.
2. The starting point will be the 18-pdr S.O.S. Line  
which should be approximately :-  
"C" Group, 18-pdr, J.9.b.90.70. to J.3.d.25.90.  
"D" Group, 18-pdr, J.3.d.30.80 to D.27.c.50.10.  
This however must be exactly detailed by Brigade Liaison  
Officers to Group H.Q., in consultation with G.O.C., Inf. Bde..
3. The Diagrams of timing, lifts and distances for the  
Creeping Barrages are attached.
4. The inner Group boundary will be the continuation  
to N.E. of the line J.7.b.90.27. to J.3.d.30.82, with an overlap  
of 25 yards.
5. From Zero to Zero plus 12, the Heavy Artillery will  
search and sweep likely places of assembly <sup>and</sup> S.V. positions. They  
will join in the creeping barrage at Zero plus 18.
6. ACKNOWLEDGE. ✓ 9.3.

*[Signature]*  
Major, R.A.  
Bde-Major, 2nd Aust. Div. Arty.

Normal Distribution (A 35/57)

Diagrams to:-

"C" Group,  
"D" Group,  
L.O., Right Inf Bde,  
L.O., Left Inf Bde.



## SECOND AUSTRALIAN DIVISIONAL ARTILLERY.

\* \* \* ORDER No. 42. \* \* \*

Reference Map-ZONNEBEKE 1/10-000.

Headquarters,  
19th Sept. 1917.

1. On the assumption that the GREEN line has been taken and held on the day of the attack, the 5th Aust. F.A.Bde. of "D" Group less 105th Howitzer Battery, and one 18-pdr. battery of "C" Group will move to prepared forward positions in I.12.b. and J.7.a. respectively.
2. Orders for this move will be issued from D.A.H.Q..
3. The 4th and 10th Brigades will immediately prepare and complete with ammunition (ammunition allotment is given in table overleaf) the forward positions chosen and pegged out in J.7.a. and b..
4. Every available man is to be put on this work and a party of gunners will be detailed by the 2nd, and 4th D.A.C's and T.M's to assist. It is essential that the work should be completed at the earliest possible moment.
5. Guns will be moved into forward positions as soon as possible. Not more than one third of the guns are to be out of action at the same time.
6. Progress reports on positions stating probable time they will be ready for occupation, will be rendered by last D.R. nightly.
7. Orders to move will be issued from Div. Arty. H.Q.
8. The first business of the Field Artillery is to cut the wire in front of JUBILEE TRENCH and this must be commenced on the first day after the advance by 4.5" Hows. with 106 Fuzes. Trench mortars will assist.
9. Modified bombardment barrages will probably be carried out during the next five days after the attack, but where there are strong trenches and points, these are to be specially dealt with.
10. The Field Artillery will be responsible for Harassing fire on communications and approaches over the inner 3000 yards.
11. Divisional and Group Boundary lines for the present will be a prolongation N.E. of the present Boundary lines. Any alteration will be notified.
12. The present system of superimposed Brigades will be continued.
13. Brigade O.P's with organized telephone and visual communication to a transmitting station, must be found as soon as possible.
14. ACKNOWLEDGE. *Vau*

*WAT*  
Normal Distribution and  
2nd Aust D.A.C.,  
4th Aust D.A.C.  
2nd Aust D.T.M.C. & 4th Aust D.T.M.C.

*J.P. McK.*  
Major, R.A.  
Bde-Major, 2nd Aust. Div. Arty.

P.T.O.



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## SECOND AUSTRALIAN DIVISIONAL ARTILLERY .

(2).

## AMMUNITION ALLOTMENT

	NATURE	A and AX per gun	B X per gun
1.	Minimum in possession at midnight F /F	500	300
2.	Allotment, midnight E/F to midnight K/L	1050	1050
3.	To be in possession at midnight J/K	850	650
4.	To be fired between E/F and J/K (5 days)	750	700
5.	To be in possession at midnight K/L	500	300
6.	To be fired on K Day	350	350



H.Q.	
2ND AUSTRALIAN DIVISIONAL ARTILLERY.	
No.	
Date	7.33/12

Headquarters,

19th September, 1917.

Reference Order No 42, para 4, Working parties of 3 N.C.O's and 22 men each will be detailed in accordance with table below, on the 20th instant:-

From	To what	To report to
1st Party	2nd D.A.C.	10th Battery
2nd Party,	do	11th Battery
3rd Party	2nd Aust.D.T.M.O.	12th Battery
4th Party	do do	104th How. Ety.
5th	4th D.A.C.	37th Battery
6th Party	do	38th Battery
7th Party	4th Aust. D.T.M.O.	39th Battery
8th Party	do do	110th Battery.

Each party will be met by a responsible guide from each Battery, at MENIN GATE. An officer from each battery will take charge of party and supervise work to be done. Parties will be provided with six picks and twelve shovels; batteries to provide these for Trench Mortars and D.A.C's to provide their own.

Guides and parties will be detailed ready to move from 3 p.m. onwards. Orders to start will be issued from this office.

All working parties at present attached to Groups from D.A.C's and Trench Mortars will be relieved of their work and come under the orders of their O's C forthwith.

ACKNOWLEDGE. *✓ aq*

*Robt. Plome* Captain,  
Staff Captain  
2nd Aust. Div. Arty.

"C" Group	1/9
"D" Group	10/18
5th A.F.A. Bde,	19,
11th A.F.A. Bd	20
2nd Aust D.A.C	21
4th Aust D.A.C.	22
2nd Aust D.T.M.O.	23
4th Aust D.T.M.O.	24

*DA Bde received by  
TM's at 13pm 20-9-17*



SECRET

APPENDIX

Copy No

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

178

ORDER No 43.  
=====

Headquarters,

19th September, 1917

1. On arrival at the GREEN line, which is the final objective, the Infantry will push out posts to a distance of 100 yards in advance of the line that is being consolidated.

2. When the final Protective Barrage ceases at O plus 500 minutes, patrols properly supported will be pushed forward all along the Corps Front. Tactical posts found to be unoccupied by the enemy will be occupied and consolidated.

3. RED FLARES will be lit in taking objectives approximately at:-

RED line,	O plus 60 minutes,
BLUE line,	O plus 164 minutes,
GREEN line,	O plus 285 minutes.

4.

ACKNOWLEDGE. ✓ *ans*

*J. D. P. O'Brien*  
Major, R  
Brigade-Major  
2nd Aust. Div. rty.

Normal Distribution.

*Ans*



SECRET

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

Copy No 51

179

ORDER No 44

Headquarters,

21st September, 1917.

AMMUNITION

1. Reference 2nd Aust. D.A., Order No 42, Ammunition Allotment Serial No 4, for A & AX "750" read "700".
2. The daily allotment from Serial No 4 works out at 140 rds A & AX and 140 rds BX per gun per day.  
This amount includes expenditure on Bombardment Barrages which will be continued. Diagrams already issued should be kept as they will probably be repeated.
3. Old gun positions are to be cleared of ammunition before ammunition will be issued from the Dumps. Arrangements will be made by Staff-Captain for return of empties.
4. Dumps at gun positions will be kept up to 850 A & AX and 350 BX per gun with full echelons.
5. The front will be covered under the same system as heretofore, and all arrangements re Liaisons, care of equipment, O.P's., Rest for personnel and Resting plans for detachments will hold good and be organised in the new positions.
6. The Officer Commanding 11th Brigade will reconnoitre the forward positions within the Divisional area for the Batteries of his Brigade. They must be within range of a line J.S. Central and D.S. Central.
7. Report and reconnaissance to be forwarded to this H.Q. as soon as possible.
8. Work on the positions must be commenced forthwith.
9. ACKNOWLEDGE. ✓ *Ad*

*R. E. Aborn.* CAPT.  
for Major, R.A.  
Bde-Major, 2nd Aust. Div. Arty.

NORMAL DISTRIBUTION  
Copy for S.C.

*Ad*  
22-9-17



SECRET

Copy No 22

## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

O R D E R No 45  
-----oOo-----

Headquarters,

Reference: WESTHOEK Sheet 1/10,000

22nd September, 1917.

1. The Second Australian Division will be relieved in the forward area and in the line by the 4th Australian Division on the nights 22nd/23rd and 23rd/24th September.
2. The 4th and 13th Australian Infantry Brigades will relieve the 6th Aust. Inf. Bde in the line.
3. On relief Divisional H.Q. will be at RENINGHELST.
4. Divisional and Inter-Group Boundaries will be as follows:-
  - (a) North Div. Boundary:-  
Line from J.1.d.6.2. to D.27.d.9.7. to BROODSEINDE (exclusive)
  - (b) South Div. Boundary:-  
Line from J.8.c. 5.5. to J.8.d.2.5. to J.8.d.6.9. to J.9.a.5.3. to POLYGON ROAD (inclusive).
  - (c) Inter-Group Boundary:-  
J.8.a.CO.25 to J.3.d.0.7.
5. The 2nd Aust. D.A.H.Q. at H.21.d.5.2. (Forward) and HORSE SHOW CAMP (Rear) will close at 10 a.m. on 24th instant and open at RENINGHELST at the same hour. At the same time responsibility for covering the Divisional Front will pass to the C.R.A., 4th Aust. Division.
6. ACKNOWLEDGE ✓ *and*

Major, R.A.

Bde-Major, 2nd Aust. Div. Arty.

ISSUED AT NOON.

NORMAL DISTRIBUTION also to  
2nd and 4th Aust D.A.C.,  
2nd and 4th D.T.M.O.



SECRET

COPY No

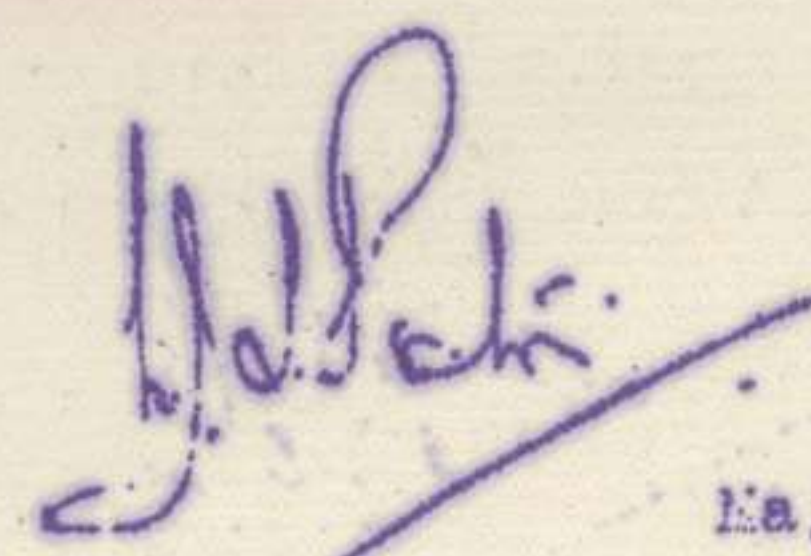
## SECOND AUSTRALIAN DIVISIONAL ARTILLERY

181

O R D E R No 46 .

----000----

1. *X* Herewith Bombardment Barrage Diagram for Barrage on "F" Day
2. Divisional and Group Boundaries as detailed in No 45.
3. Starting point of "A" Barrage:- 100 yards East of 18-pdr  
C.C.S. Line.
4. Time of commencement will be notified later.
5. Rates of Fire:-  
 18-pdrs. .... .. 2 rounds p.g.p.m.  
 4.5" Hows. .... .. 1 round p.g.p.m.  
 AMMUNITION required:-  
 18-pdrs..... .84 A & AX,  
 4.5" Hows..... .42 BX.
6. The usual overlap will be allowed.
7. ACKNOWLEDGE. *✓ aut*



Major, R.A.,  
Bde-Major, 2nd Aust. Div. Arty.

2nd Aust. D.A.H.Q.,

22nd September, 1917.

Issued at Noon,

NORMAL DISTRIBUTION

=====

*X Groups only*




## SECOND AUSTRALIAN DIVISIONAL ARTILLERY.

Headquarters,

23rd September, 1917.

A 35/CO.

This office A 35/57 of 19th inst. is cancelled and the following substituted:-

NORMAL DISTRIBUTION OF ORDERS.

"C" GROUP, .....	Copies 1/9
"D" GROUP.....	10/13
4th A.F.A.Bde.....	19
10th A.F.A.Bde.....	20
4th Aust. D.A.....	21
2nd Aust. Div.. ..	22
R.A., 1st ANZAC.....	23
H.A., 1st ANZAC.....	24
1st Aust D.A.....	25
9th D.A.....	26
War Diary.. ..	27/29
File. . . . .	30

-----oOo-----



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY

COPY NO. .... 183

SECRETINSTRUCTION NO. 7HEADQUARTERS,  
24th September 1917.

1. There will be two bombardment barrages carried out on "J" day, 25th September.  
Barrage "A" will be carried out throughout the Second Army Front.  
Barrage "B" will be a Corps barrage.

2. Diagrams of lifts and timings are attached. (Groups only).

3. The starting line for both barrages will be the 18-pr. "A" Barrage 150 yards East of the Infantry jumping off line for Attack Day (2) which is shown on attached tracing. (Infantry Brigades Artillery Groups and 4th Aus. Division only).

Any Infantry Posts East of the Infantry jumping off line are being withdrawn.

4. Zero hours for the barrages will be notified later.  
Barrage "A" will be in the early morning.  
Barrage "B" will commence 60 minutes after the completion of barrage "A".

5. 106 fuze will not be used within 500 yards of the Infantry jumping off line.

6. Estimate of ammunition and rates of fire per gun per minute will be as follows :-

	<u>18-prs.</u>	<u>4.5" How.</u>
<u>Barrage "A"</u>		
Zero to Z plus 45 min.	2	1
Zero plus 45 to zero plus 60	1	1
	--	--
Ammunition.	105	60
	===	===
<u>Barrage "B"</u>		
Zero to zero plus 18	2	1
	---	---
Ammunition	30	15.

7. ACKNOWLEDGE on form attached.  
=====

Normal distribution..

*CM Jates*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.



## FOURTH AUSTRALIAN DIVISIONAL ARTILLERY. COPY NO.....

SECRETINSTRUCTION NO. 8HEADQUARTERS,  
24th September 1917.

The following will be the normal distribution of  
4th Australian Divisional Artillery INSTRUCTIONS and ORDERS :-

"C" Group	Copies 1/9.	
"D" Group	10/18	
4th Aus. F.A. Bde.	19	
10th " " "	20	
4th Aus. Div.	21	} for inf.
2nd Aus. D.A.	22	
R.A. 1st ANZAC.	23	
H.A. 1st ANZAC.	24	
5th Aus. D.A.	25	
3rd (British) D.A.	26	
4th Aus. Inf. Bde.	27	
12th " " "	28	
13th " " "	29	
War Diary	30/32	
File	33	
C.R.A.	34	
R.O.	35	
S.C.	36	

*CMates*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.



SECRETINSTRUCTION NO. 9

185

HEADQUARTERS,  
24th September 1917.

1. 2nd Army Barrage maps for Attack Day (2) have been issued to all concerned.
2. Diagrams are issued herewith showing the Lifts and Timings. (Groups only).  
The diagram is made out for the guns with the greatest number of lifts, and from the map it should be noticed that the first gun to reach the RED Line Protector Barrage does so at Zero plus 23 after which this Protector is gradually built up till the last gun reaches it at Zero plus 53.  
For BLUE Protector Barrage the first gun reaches it at Zero plus 116, and the last at Zero plus 132.
3. The "A" Barrage (18-prs.) will commence 150 yards East of the Infantry Jumping Off Line as shown on the Barrage map.
4. After Zero plus 132 the 18-prs. of "B" Barrage will cease firing.  
After Zero plus 162 the 18-prs. of "A" Barrage will not fire between Zero plus 162 and Zero plus 192, between Zero plus 207 and Zero plus 237, and between Zero plus 252 and Zero plus 282 - finally ceasing fire unless further required at Z plus 297.
5. As it reaches each of the RED and BLUE Protector Barrages, each gun of "A" Barrage will fire 3 rounds of smoke shell in quick succession to mark its arrival on that line.
6. There will be no overlap with the Vth Corps on the Left (3rd British Division), or between Groups.  
There will be an overlap of 100 yards with the 5th Australian Division on the Right.
7. <sup>will</sup> 18-prs/ fire shrapnel only within 150 yards of the Left Boundary of the Division. This will not eliminate the smoke shell mentioned in para. 5.
8. Rates of fire will be as follows (per gun per minute) :-
 

		<u>18-prs.</u>	<u>4.5" How.</u>
During advance	--	2	1
When Inf. are halted	--	1	$\frac{1}{2}$
Zero to zero plus 4	--	4	1
Zero plus 96 to Zero plus 100	--	4	1
9. Until reaching the RED LINE Protector Barrage all available guns will be kept in action. After that time guns will be rested as laid down in S.S. 114 (C.E.Q. Circular).
10. ACKNOWLEDGE on form attached.

Normal distribution.

*C. M. D. A. T. E. R.*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.



SECRET

INSTRUCTION NO. 10

186

HEADQUARTERS,  
24th September 1917.COMMUNICATIONS AND LIAISON ON ATTACK DAY.

1. After Zero hour forward Stations are being established as laid down in S.S. 148 (FORWARD INTER-COMMUNICATION IN BATTLE) as follows :-

	<u>Right Inf. Bde.</u>	<u>Left Inf. Bde.</u>
From Cable heads at	J 9 a 4545	J 3 c 2 8
To Stations at	J 4 c 2545	J 3 b 7 6.

and after capture of BLUE Line extended to Stations at

J 4 d 1590	D 27 d 9 7.
------------	-------------

2. Each of these main routes will consist of three pairs, one of which is allotted to Artillery and will be connected at Cable head direct on to the Groups' pairs. No other wires are to be laid across NO MAN'S LAND until after Attack day.

3. F.O.O. parties will consist of the following, per Group :-

1 F.O.O. per Brigade.  
3 Signallers per Brigade.  
2 Linesmen per Brigade.  
Runners as required.

and the following equipment per Brigade :-

1 Signalling Lamp.  
1 Signal shutter  
 $1\frac{1}{2}$  miles of D Twin or twisted, previously labelled with the Groups' call at frequent intervals. (Cable for this purpose already labelled is being issued from this Headquarters).

4. Each Group party will concentrate on keeping the wires going between selected O.Ps. and forward Infantry Brigade Stations and visual back to old O.Ps. on WESTHOEK. The maintenance of wires back to Cable head from Infantry Brigade Forward Station is a Signal Company matter.

5. There will be power buzzers at each of the Forward Stations, those for the RED line being moved forward to the BLUE line forward Stations during the establishment of the latter.

The forward Stations will also have pigeons and Runners and visual, all of which will be at the disposal of F.O.Os. for important messages in the event of the Artillery lines not holding.

6. The following localities are probably the best for O.P. work in the new area :-

"C" Group -- J 4 d 1 1  
"D" Group -- TOKIO FARM, D 27 d 9 7.

The former cannot be occupied till after the capture of the BLUE Line, while the latter is in the RED Line and will finally have a Brigade Forward Station near it. This Station will not be waited for but lines will be laid

To the .....



## INSTRUCTION NO. 10 (Continued)

6 Continued.

to the Station at J 3 b 7 6.

7. F.O.Os. will remember that negative information is of value and that all messages must be numbered and timed. In the BLUE Line each Infantry Brigade will have two Battalions. F.O.Os. must find out the position of Battalion Headquarters and inform the Battalions where they are stationed so that the Battalions can communicate their needs to them.

8. For visual signalling and for messages which owing to the breakdown of the Artillery wire, may have to be sent over the Infantry Lines, F.O.Os. may use the same Code as used by aeroplanes to Ground Stations for LL and QF calls, denoting living targets. Such messages will be addressed to the Group.

9. A Divisional Visual Receiving Station is being established at ZERO minus 4 hours at J 1 d 7 1. All messages for this Station will be sent as a whole three times. Answers will not be sent by this Station.

10. Arrangements are being made to bury cable forward of the present Cable heads on Attack Day.

11. Liaison Officers with the Infantry Brigades are appointed as follows :-

4th Aus. Inf. Bde.	--	Lieut.-Col. F. O'MAHONY.
13th Aus. Inf. Bde.	--	Lieut.-Col. S.F. SHELSHEAR

These Officers will take up their duties on the morning of the 25th instant.

12. Groups will please furnish this Office with the names of the Officers selected as F.O.Os..

13. ACKNOWLEDGE on form attached.

Normal distribution.

*C.M. J. J. J.*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.



SECRET

INSTRUCTION NO. 11

HEADQUARTERS,  
24th September 1917.METHOD OF  
ATTACK

1. The attack on the RED and BLUE Lines shown on Barrago maps already issued to all concerned will be carried out by the Infantry as follows :-

	13th Aus. Inf. Bde.	4th Aus. Inf. Bde.
--	---------------------	--------------------

RED Line	50th Battalion	16th Battalion
BLUE Line	51st & 49th Bns.	14th & 15th Bns.

The Battalions for the attack on the BLUE line form up 350 yards behind our present front line at ZERO hour and pass through the 50th and 16th Battalions on the RED Line.

BARRAGE

2. The attack will take place covered by a barrage by all naturas of guns and Howitzers up to 9.2", distributed in depth in the same manner as on the 20th September. During the consolidation of the RED and BLUE Lines the barrages, other than the 18-pr. (A) Barrage will search back as per diagrams already issued to Groups.

CONTROL OF  
BARRAGE

3. The control of the barrage is under the Command of the G.O.C.R.A. 1st ANZAC..

GUNS AT  
DISPOSAL OF  
G.O.C.  
DIVISION

4. The 5th Aus. F.A. Brigade and one 6-inch Howitzer Battery are at the disposal of the G.O.C. Division during the barrage. These Units have tasks allotted to them during the barrage. The Group Commander of "D" Group will arrange his task so that the 5th Aus. F.A. Brigade or any portion of it can be taken off his barrage line without creating gaps.

CALL FOR  
ABOVE GUNS

5. Brigade Liaison Officers will report to D.A. Headquarters if the services of the above Units are required at any time during or after the barrage.

WIRELESS  
CALLS

6. The 5th Aus. F.A. Brigade is detailed to answer NF and GF calls. LL calls will be taken up by all Batteries which can reach the spot: if other important work is going on, with one Section at least. In the case of the 5th Aus. F.A. Brigade "other important work" will include any special task ordered under para. 4.

GF and LL  
CALLS, REPLY  
TO

7. Replies to GF and LL calls will be as follows :-

G F

L L

18-prs.	-	20 rds. per gun	(	5 minutes rapid
4.5" Hows-	10	" "	how.	fire.

After an LL call guns will stand by for further calls from the aeroplanes and then either re-commence as required or return to their original tasks.



## INSTRUCTION NO. 11 (Continued)

COUNTER  
ATTACKS

8. Group Commanders must recollect that an LL call may be the prelude to a counter-attack. Special maps are being issued showing the points from which counter-attacks may be expected and the direction of the same. Group plans for meeting counter-attacks will take these routes into consideration, the Protective Barrage being thickened in places covering them.
9. The general provisions of Instructions issued for the attack on 20th September will apply unless contradicted by instructions issued from this Office. The following Instructions have been issued by 4th Australian Divisional Artillery :-
- No. 7 - Barrages on 25th September.
  - No. 8 - Normal distribution of orders and Instructions.
  - No. 9 - Barrage, maps and Diagram.
  - No. 10 - Communications and Liaison on Attack Day.
10. Headquarters of Divisional Artillery and Infantry Brigades will be as follows :-
- Divisional Artillery -- H 21 d 6 2.
  - 4th Aus. Inf. Brigade -- J 7 d 9 9
  - 13th Aus. Inf. Brigade -- J 1 d 7510
11. ACKNOWLEDGE on form attached.

Normal distribution.

*CM Jones*  
4th Australian Divisional Artillery.

Major, R.A.,  
Brigade-Major,



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

COPY NO. .... 38 190

SECRETINSTRUCTION NO. 12HEADQUARTERS,  
25th September 1917.

1. Assuming that the BLUE Line has been captured on Attack Day (2) and in default of further instructions/ S.O.S. Lines after Zero plus 327 will be as follows :- from this Office or Liaison Officers,

18-prs. -- 100 yards East of BLUE Line Protector Barrage.

4.5 Hows. -- "D" GROUP :-

1 Battery on road from Cross Roads D 25 c 2 5 to D 22 d 1 3.  
1 Battery searching and sweeping between REMUS and ROMULUS Woods.

"C" GROUP :-

1 Battery on trench system D 29 c 9 0 to crater D 29 c 6 7.  
1 Battery searching and sweeping between J 5 c 4580 and J 5 a 3 5.

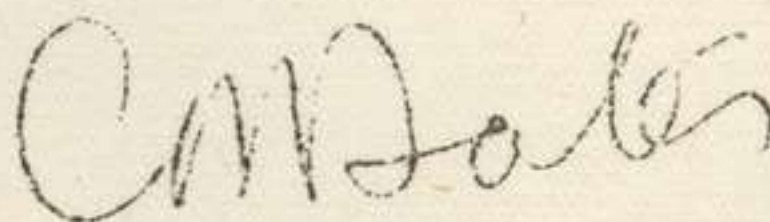
- 2 Rates of fire will be as follows - in rounds per gun per minute :-

18-prs. -- 5 minutes .. 4 rounds, then  
5 minutes .. 2 rounds, then

$\frac{1}{2}$  round until the situation is clear or the S.O.S. is repeated.

4.5 Hows. -- At half the above rates.

3. ACKNOWLEDGE on form attached.



Major, R.A.,  
Brigade-Major,

4th Australian Divisional Artillery.

Normal distribution.



SECRET

INSTRUCTION NO. 18

191

HEADQUARTERS,  
25th September 1917.

1. A bombardment Barrage over the 2nd Army Front will be carried out on "L" day, 27th September.

2. Time of commencement -- 5 a.m.

3. Timing, Lifts and distances between Barrages will be as per attached diagram (Groups only).

4. Starting line, "A" Barrage on S.O.S. Line.

5. Rates of fire per gun per minute, and estimate of ammunition per gun :-

		<u>18-pr.</u>	<u>4.5" How.</u>
Rate	--	2	1
Ammunition	--	66	51

6. ACKNOWLEDGE on form attached.

*CM Mates*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.



4th AUSTRALIAN DIVL. ARTILLERY	192
No. 5794	
Date	

FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET.

HEADQUARTERS,  
25th September 1917.

"D" GROUP (9 copies)

AMENDMENT TO BARRAGE MAP (ARMY)

The 100 to 108 line from about D 28 c 4 9 to the North will be curved back and made parallel to the 53 to 100 Line so that it meets the Corps Boundary at D 28 a 3 2.

The 108 to 116 Line will similarly be curved back from about D 28 a 6 0 to the Corps boundary at D 28 a 3852.

*CMZates*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

END



SECRET.

ORDER NO. 93

198

HEADQUARTERS,  
25th September 1917.

1. On "K" day, 26th September, the 1st ANZAC Corps in conjunction with the Corps on Right and Left will continue the operations against the PASSCHENDAELE Ridge.
2. 4th Australian Divisional Order No. 80 of the 25th September has been issued to all Brigades Australian Field Artillery.
3. Zero hour will be notified later.
4. 4th Australian D.A. Instructions Nos. 9, 10 and 11, dealing with the timing, lifts, and rates of fire of Barrage, Communications and Liaison with Infantry, the General methods of attack, guns at the disposal of the Divisional Commander during the Barrage, and the answering of aeroplane wireless calls have been issued, as have also Barrage Maps showing the protective Barrages and the 2 objectives.
5. 4.5" Howitzer Batteries will each retain not less than 500 rounds Special shell for tasks which may be given them on "K" day.
6. Special Heavy and Siege Batteries are being detailed to keep under fire during the advance and consolidation localities in which it is known that the enemy is likely to assemble for counter attacks and the Routes forward from those points.
7. (a). After the cessation of the Barrage at Zero plus 327 minutes the Infantry are pushing out patrols 200 to 250 yards in advance of the BLUE line.  
(b) Consideration must be given to the best methods of supporting the patrols in the event of the Infantry being ordered to exploit their success further.
8. The S.O.S. line for the Divisional Artillery after the attack is laid down in 4th Australian D.A. Instructions No. 12.  
It must be understood that this line is liable to alteration Eastwards either on orders from this office or at the request of Liaison officers with Infantry Brigades or by the Group Commanders on information received from F.O.Os.  
Any changes thus made will be communicated at once to Groups on flanks and to D.A. Headquarters.  
The S.O.S. Barrage line is not to be brought further west without orders from D.A. Headquarters.
9. From the above it will be seen of what vital importance it is that F.O.Os should get back the very earliest information of the Map locations of the Line held by the Infantry.
10. FORWARD MOVES OF BATTERIES.

No Batteries will move forward on the night "K"/"L" days, unless it is rendered necessary to carry out the better support of the Infantry as in para. 7 (b).

In this event the following Brigades would be moved and in the following order :-

11th Aus. F.A. Brigade	--	18-pdr Batteries.
5th Aus. F.A. Brigade	--	18-pdr Batteries.
111th Howitzer Battery.		
105th Howitzer Battery.		

Routes forward will be at once reconnoitred.

11/17



INSTRUCTION

NO.

93

(Continued).

194

11. ARRANGEMENTS FOR THE NEXT OBJECTIVE.

At an early date after the capture of the BLUE line, the Corps boundaries will change, the 1st ANZAC taking over as far North as the YPRES - ROULERS RAILWAY and handing over some of its Southern Area.

Positions for the 11th and 5th Aus. F.A. Brigades will be reconnoitred for in the HANNE BEKE Valley in J 2 b and d, and J 3 c.

12. ACKNOWLEDGE on form attached.

C. M. Tate

Major, R.A.,  
Brigade-Major,

4th Australian Divisional Artillery.

---

DISTRIBUTION.

No. 1	to	4th Aus. F.A. Bde..
2	"	5th " " "
3	"	10th " " "
4	"	11th " " "
5	"	5rd (British) Div. Arty.
6	"	5th Aus. Div. Arty.
7	"	R.A. 1st ANZAC.
8	"	H.A. " "
9	"	4th Aus. Div.
10	"	4th Aus. Inf. Bde.
11	"	12th " " "
12	"	13th " " "
13	)	
14	)	War Diary
15	"	File
16	"	C.R.A..
17	"	R.O.
18	"	S.C..
19	)	Liaison Officers.
20	)	



"A" Form.  
MESSAGES AND SIGNALS.

Army Form C. 2121.  
(In pads of 100.)

No. of Message.....

Prefix.....	Code..... m	Words.	Charge.	This message is on a/c of:  ..... Service.	Recd. at ..... m.
Office of Origin and Service Instructions.		Sent			Date.....
<i>Secret</i>		At..... m.			From.....
		To.....			By.....
		By.....		(Signature of "Franking Officer.")	

TO { *COS C & D troops*  
*Left Secta 1st ANZAC A.C.*

Sender's Number. * <i>B M 8</i>	Day of Month. <i>25th</i>	In reply to Number.	<b>AAA</b>
------------------------------------	------------------------------	---------------------	------------

Reference order no.	<i>93</i>
of <i>25th</i> unit	<i>zero</i>
hour will be	<i>Five</i>
<i>Fifty (5.50) A.M.</i>	<i>26th</i>
<i>September AAA</i>	<i>please</i>
<i>acknowledged by wire</i>	
<i>AAA addressed COS</i>	
<i>C &amp; D troops.</i>	<i>1st ANZAC ARTY</i>

From <i>4 Aus Div Artly</i>	
Place	
Time <i>1.10 pm</i>	

The above may be forwarded as now corrected.

(Z)

*Mater major RA*

Censor.

Signature of Addressor or person authorised to telegraph in his name.

\* This line should be erased if not required.

(3796.) Wt. W 492/M1647. 650,000 Pads. 5/17. H.W. & V., Ltd. (E. 1187.)



SECRETORDERNO.94HEADQUARTERS,  
26th September 1917

1. On a date to be notified later the Xth Corps will take over from 1st ANZAC. the line as far North as J 4 d 4 6 and the 1st ANZAC. will extend to the North as far as the MPRES - ROULERS Railway.  
The Corps Boundary on the South will be the present Inter-Divisional Boundary and its continuation through J 4 d 4 6.

2. The new Inter-Divisional Boundary will be notified as soon as possible.

3. All Field Batteries will be sited East of a line running from I 6 c 8545 to J 13 a 3075 and North of the Corps Southern Boundary.

4. On the 27th and night 27th/28th September the 5th Aus. F.A. Brigade 18-pr. Batteries will move to positions in J 1 c and d, and the 41st and 43rd Batteries' rear Sections will join their Forward Sections.  
On the 28th September and night 28th/29th September the 42nd Battery will move to position in J 2 c or d.

The following positions have been reconnoitred and are suggested in J 1 c and d :-

J 1 d 4020  
J 1 d 1560  
J 1 c 9010  
J 1 c 5040

5. The O.C. "C" Group will please have J 2 thoroughly reconnoitred with a view to moving the balance of his Brigade or other Batteries into that square.

6. The Os. C. "D" and "C" Groups will please report on the capacity for Battery positions in J 1 and J 2 respectively, and further state what roads or tracks they require making to render those positions available for occupation.

8. ACKNOWLEDGE on form attached. (Groups by wire).

DISTRIBUTION.

No. 1 "C" Group.  
" 2 "D" Group.  
" 3 10th Aus. F.A. Bde.  
" 4 4th " " "  
" 5 3rd (British) B.A. )  
" 6 5th Aus. D.A. )  
" 7 2nd Aus. D.A. )  
" 8 R.A. 1st ANZAC. )  
" 9 H.A. 1st ANZAC. )  
" 10 4th Aus. Div. )  
" 11 2nd Aus. D.A.C. )  
" 12 4th " " )  
13 - 15 Diary  
16 File  
17 C.R.A..  
18 - 19 S.C. & R.O..

*CM Bates*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

for inf.

-----



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

197

SECRETINSTRUCTION NO. 14HEADQUARTERS,  
27th September 1917.1. AMMUNITION :-

The following is the bulk allotment for ammunition for "L" to "P" days inclusive, per gun and Howitzer :-

	For 5 days	per diem.
18-pr.	568	113
4.5" How.	562	112.

TABLE  
"A".

In addition to the above allotment, the following rounds per gun will be brought up to Battery positions, so that at mid-night "P"/"Q" day, Batteries will be in possession of per gun or How -

18-pr.	--	1200
4.5" How.	--	1000

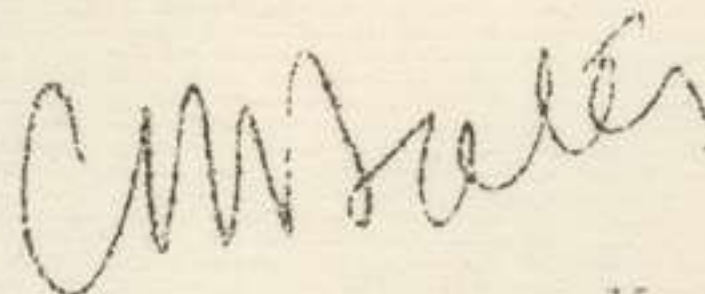
## 2. The allotment ammunition as in TABLE "A" will be as follows

<u>18-prs.</u>	--	Usual daily work and harassing communications.
<u>4.5 Hows.</u>	--	Ditto, wire-cutting and destructive shoots.

Two thirds of the ammunition used for harassing fire will be used at night.

3. GROUP HEADQUARTERS :-

Group Headquarters will be moved forward.  
Group Commanders will at once reconnoitre for more advanced Headquarters.  
The new Headquarters will be in complete occupation by mid-night "O"/"P" days and the present Headquarters evacuated.

4. ACKNOWLEDGE on form attached.


Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

COPY NO. .... 33

SECRET

INSTRUCTION NO. 15

HEADQUARTERS,  
28th September 1917.

1. On the night 28th/29th September the 42nd Battery will have completed its move to position at J 8 d 5280 and the 15th and 14th Aus. F.A. Batteries will commence their move from positions at J 7 b 7 7 - 69 to positions at J 1 d 3530 and J 1 c 4 8.
2. On the night 29th/30th September the 111th How. Battery and 37th Battery will place one Section each in action in J 2 d North of the ZONNEBEKE - WESTHOFF Road, and the remaining Sections on the night 30th Sept./1st October.
3. All moves must be completed and ammunition according to 4th Australian Divisional Artillery Instruction No. 14, dumped by mid-night 1st/2nd October.
4. 4th Aus. Divisional Artillery Headquarters Wireless Set is allotted to "C" GROUP and will be installed in position convenient to 37th, 42nd and 111th How. Batteries under orders of the Senior Battery Commander.
5. ACKNOWLEDGE on form attached.

Normal distribution

*CMSale*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.



## FOURTH AUSTRALIAN DIVISIONAL ARTILLERY

COPY NO. 33

SECRET

INSTRUCTION NO. 16

HEADQUARTERS,  
29th September 1917.

1. The following reliefs are taking place in the Artillery of the Right Divisional front.

The 3rd Australian Divisional Artillery were withdrawn on the night 28th/29th September.

The 1st Australian Divisional Artillery are taking up positions in J 7 c and d and on completion the 7rd, 6th and 12th (ARLY) Brigades, Australian Field Artillery are being withdrawn to Reserve (probably on October 1st).

The 5th Australian Divisional Artillery are moving into the line on the night Sept. 29th/30th and are taking up positions as follows :-

J 8 c 8065  
J 8 d 5090  
J 8 c 9090  
J 8 c 6090  
J 8 b 7075  
J 8 b 6585  
J 2 d 6000  
J 2 d 5000

2. Infantry reliefs are as per 4th Aus. Divisional ORDER 10. 82.

3. Lieut.-Colonel T.I.C. ILLIAMS, D.S.O., 10th Aus. P.A. Brigade will relieve Lieut.-Colonel P.L. EDWARDS, 11th Aus. P.A. Brigade, in the Command of "C" GROUP on September 30th.

4. LIAISON :-

The Liaison Officer with the 12th Aus. Infantry Brigade will be relieved by a Captain to be detailed by the O.C. "C" GROUP on the 29th instant under arrangements to be made between Groups concerned.

5. ACKNOWLEDGE on form attached.

*C.M. J. A. T.*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

SECRET

INSTRUCTION NO. 17

HEADQUARTERS,  
29th September 1917.

INTENTION  
1.

The Second phase of the operations against the PASSCHENDAELE Ridge has been brought to a successful conclusion and the 2nd Army is proceeding to make a further advance co-operating with the 5th Army on the Left flank.

OBJECTIVE  
2.

The 1st ANZAC. Corps will have as its objective the capture of the main ridge with a footing on the Eastern slopes from J 5 b 4 2 to D 23 a 8 8 (the "BLUE LINE"). The first stage in this advance will be a "RED LINE" running from J 5 a 5500 to D 22 b 5 3.

CODE DAYS  
3.

The days prior to the Attack Day will be known as "K", "L", "M", "N", "O", "P", "Q", etc. "K" day having been the 26th September.

ARTILLERY  
SUPPORT  
4.

The attack is being made with two Divisions in the line, that on the Right being covered by the 1st and 5th Divisional Artilleries under the C.R.A. 5th Australian Div. while that on the Left will be covered by the 2nd and 4th Australian Divisional Artilleries under the C.R.A. 2nd Aus. Division.

GROUPING  
5.

Grouping and general arrangements will be as for Attack Days, No. 1 and No. 2 on the 20th and 26th September.

GROUP  
HEADQUARTERS  
6.

Group Headquarters are being moved as follows :-

"C" GROUP -- to vicinity of MOMBER Crater.  
"D" GROUP -- to I 12 b 2 0.

GENERAL  
DISTRIBUTION  
OF THE  
FIELD  
ARTILLERY  
7.

The general distribution of the Artillery by "P"/"Q" night will be as follows :-

2nd Aus. D.A. - 3 18-pr. Batteries J 1 c and d.  
3 " " J 7 a and b  
1 4.5" How. Bty. J 7 b  
1 " " " J 7 c

4th Aus. D.A. 2 18-pr. Batteries and 1 4.5  
in J 2 d.  
and the remainder in J 7 a, c  
and I 12 d.

Artillery

NF and GF  
CALLS AND  
BRIGADE AT  
DISPOSAL OF  
G.O.C.  
ATTACKING  
DIVISION.  
8.

The 4th Australian Divisional Batteries in J 2 d will be detailed to answer NF and GF calls.  
The 4th Australian F.A. Brigade will be at the disposal of the G.O.C. attacking Division for special tasks during the barrage if required.  
This Brigade and the 4th Australian Divisional Artillery Batteries in J 2 d will be superimposed on their respective Groups' fronts.

AMMUNITION  
9.



INSTRUCTION NO. 17 (Continued)AMMUNITION

9.

All Batteries have been ordered to have 1200 rounds per 18-pr. and 1000 rounds per 4.5" How. at or in vicinity of positions by "P"/"Q" midnight.  
The allotments for days after noon "P" day will be given later.

BOMBARDMENT BARRAGES

10.

Bombardment Barrages on similar lines as previously will commence on "P" Day.

HARASSING FIRE

11.

Harassing fire on billets and tracks is being carried out by Field Artillery for 3000 yards E. of the present front line, (on their present zones until 10 a.m. October 2nd). 10 rounds per gun or How. during the day and 20 rounds per night in bursts of fire.  
If bombardment barrages do not leave sufficient ammunition on the day's allotment to admit of the above, the above amounts must be reduced.  
4.5" Hows. will in addition cut wire and carry out destructive shoots.  
The attention of Group Commanders is called to the map showing the principal tracks etc. used by the enemy. (BECULAERE, 1/10,000, dated Sept. 22nd.).  
After 10 a.m. October 2nd the zones will be changed as in para. 14.

SILENT BATTERIES

12.

Batteries in J 2 d will be kept as quiet as is possible and will only be used in emergency prior to attack day and during bombardment barrages.

GAS SHELL BOMBARDMENTS.

13.

Bombardments with special shell from 4.5" How. Batteries will be carried out under separate instructions to be issued.

BOUNDARIES

14

Up to 10 a.m. October 2nd the boundaries for all purposes will be as at present.  
After 10 a.m. on October 2nd the boundaries for the Division and Corps will be as already sent to Groups as per tracing, and will be according to the following map references :-

Division Southern Boundary -- D 30 a 0077 - D 29 a 0035  
- GARTER Point J 3 a 5247.

Division Northern Boundary -- D 23 b 0 9 - D 22 a 8210,  
thence along the Railway Westwards.

The Inter-Group Boundary will be  
-- D 23 d 4085 - D 22 d 4520  
- DRAUGHT HOUSE,  
D 27 c 3054.

From 10 a.m. October 1st to 10 a.m. October 2nd the Artillery will be covering the 3rd Brigade 1st Australian Division, and one Battalion 12th Aus. Inf. Brigade, on the present Divisional front under the G.O.C. 1st Australian Division.

After 10 a.m. October 2nd the Artillery will cover the new front as above held by the 2nd Aus. Division Infantry under the G.O.C. 2nd Aus. Division.

CHANGE OF COMMAND  
15.



## INSTRUCTION NO. 16 (Continued)

CHANGE OF  
COMMAND  
15.

Command of the 2nd and 4th Australian Divisional Artilleries will pass to the C.R.A. 2nd Aus. Division at 10 a.m., 2nd October.

16.

After the attack all Batteries now west of J 2 will be moved to positions East of WESTHOEK Ridge.

"C" GROUP is allotted J 2 c and d and 8 a North of the ZONNEBEKE - WESTHOEK Road.

"D" GROUP is allotted J 2 a and b and D 26 c, d and b South of the Railway Line.

Positions for Batteries will at once be reconnoitred and work on platforms started.

This Office will be informed as to positions selected.

17.

ACKNOWLEDGE.  
=====

*CM Sater*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

DISTRIBUTION.

No. 1	4th Aus. F.A. Bde.	
2	5th Aus. F.A. Bde..	
3	10th Aus. F.A. Bde..	
4	11th Aus. F.A. Bde..	
5	2nd Aus. D.A.	)
6	5th Aus. D.A.	)
7	3rd Aus. D.A.	)
8	R.A. 1st ANZAC.	)
9	4th Aus. Div.	) for
10	1st ANZAC. H.A.	) inf.
11	12th Aus. Inf. Bde.	)
12	3rd Aus. Inf. Bde.	)
13	File	
14)		
15)	Diary	
16)		
17	S.C.	
18	C.R.A.	
19	R.O.	
20		



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

COPY NO.

203

SECRET

HEADQUARTERS,  
1st October 1917.

1. AMENDMENT to 4th Australian Divisional Artillery  
INSTRUCTION No. 17, paras. 11 and 14 and INSTRUCTION  
No. 20, para. 6 :-

For "10 a.m., October 2nd" read "6 a.m. October 2nd"  
whenever the words occur.

2. AMENDMENT to 4th Australian Divisional Artillery  
INSTRUCTION No. 21 :-

Time of commencement of R.1 Barrage will be 7.15  
a.m. and NOT 5.30 a.m..

3. ACKNOWLEDGE on form attached.

*C.M. Jule*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

DISTRIBUTION.

1	-	9	"C" Group	
10	-	18	"D" Group.	
19			4th Aus. F.A. Bde..	
20			5th " " "	
21			10th " " "	
22			11th " " "	
23			2nd Aus. D.A..	}
24			5th " " "	
25			3rd " " "	
26			R.A. 1st ANZ.C.	
27			H.A. " " "	
28			3rd Aus. Inf. Bde..	}
29	-	32	2nd Aus. Div.	
			33 57th H.A.G..	}
			34 Major W.L. POSTON,	
			D.S.O., R.A..	
			35 File	
			36 C.R.A..	
			(37 War Diary	
			(38	
			(39	
			40 S.C..	
			41 R.O..	

for  
inf.



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY

COPY NO. 34

SECRETINSTRUCTION NO. 18HEADQUARTERS,  
30th September 1917.

1. Previous orders concerning allotment for "P" day are cancelled. The following table shows allotments "P", "Q", "R" and "S" days, and amount required to be in hand on mid-night of "R"/"S" day.

	18-pr.	4.5" H.
"P" Bulk	28800	9300
Per gun	200	200
"Q" Bulk	28800	9600
Per gun	200	200
"R" Bulk	28800	9600
Per Gun	200	200
"S" Bulk	57600	19200
Per Gun	400	400
To be in hand per Gun mid- night "R"/"S" day.	960	760

2. ACKNOWLEDGE on form attached.

*Comdante*

Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.

& 37 -- 4th D.A.C..  
38 -- 2nd D.A.C..



FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

COPY 205

SECRET

INSTRUCTION NO. 19

HEADQUARTERS,  
30th September 1917.

1. The following barrages will be carried out on "P" day :-
- |     |                                      |
|-----|--------------------------------------|
| P.1 | Commencing at 9. <sup>30</sup> a.m.. |
| P.2 | " " 8.15 p.m..                       |
- Both barrages are in conjunction with Corps on Right and Left.
2. The front to be covered by "C" and "D" Groups Left Divisional Artillery will be that laid down in INSTRUCTION NO. 17, para. 14, "after 10 a.m., October 2nd".
3. The starting line will be as follows :-
- |        |                              |             |
|--------|------------------------------|-------------|
| P 1 :- | D 28 d 1792 - D 22 c 6 2     | D 22 c 1760 |
| P 2 :- | 300 yards East of the above. |             |
4. Diagrams of barrages are attached.
5. Rates of fire and ammunition required, in rounds per gun per minute/are as follows :-
- |            |    |   |      |      |
|------------|----|---|------|------|
|            |    |   | P. 1 | P. 2 |
| 18-prs.    | -- | 2 | 84   | 90   |
| 4.5" Hows. | -- | 1 | 50   | 45   |
6. 106 fuze will not be used within 300 yards of the line in para. 3.
7. Batteries in J 2 will not fire.
8. ACKNOWLEDGE on form attached.

*C.M. Ales*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.



## FOURTH AUSTRALIAN DIVISIONAL ARTILLERY. COPY NO...

SECRETINSTRUCTION NO. 20HEADQUARTERS,  
30th September 1917.WIRELESS  
SETSThe following will be the distribution of Wireless  
1. Sets for Attack Day (3) :-

4th Aus. D.A. H.Q. set	in J 2 d
4th Aus. F.A. Bde. set	to 104th How. Battery (Counter-Battery).
5th Aus. F.A. Bde. set	to 5th Aus. F.A. Bde. ("D" Group)
10th " " " set	to 10th Aus. F.A. Bde. ("C" Group).
11th " " " set	to "C" Group for 11th How. Battery if wires forward are available.
2nd Aus. D.A. H.Q. set	at D.A.H.Q..

2. F.O.O. and Communications on Attack Day (3) :-

F.O.O. arrangements and communications will be exactly as on Attack Day No. 1, 20th September, vide 2nd Aus. Divisional Artillery INSTRUCTION NO. 1 of 11/9/17 and NO. 4 of 16/9/17. There will thus be 2 F.O.Os. in each Group forming one party. Names of F.O.Os. to be given to Headquarters, 2nd Aus. D.A..

3. LIAISON on Attack Day No. 3 :-

With Right attacking Infantry Brigade :-

Lieut.-Col. F. O'MAHONY. -

With Left attacking Infantry Brigade :-

Lieut.-Col. J. SHELSHEAR.

With D.A. Headquarters for liaison with flank D.As.:-

Lieut.-Col. P.M. EDWARDS, 11th Aus. F.A. Bde..

The above Officers will take up their duties by 11 a.m. "R" Day, unless otherwise ordered.

4. Over lap in Barrages

With the Division on the Left there will be no overlap: the railway and boundary will be inclusive. With the Division on the Right there will be an overlap of 50 yards. Between Groups there will be no overlap: boundary will be inclusive to both Groups. Group Commanders will ensure that their inner flank Batteries join up.

5. The ammunition allotments have been altered vide INSTRUCTION NO. 18.

/The difference.



INSTRUCTION NO. 20 (Continued)

5 Contd. The difference between the amounts used for barrages on any one day is available for destructive shoots and harassing fire on that day. The ammunition used for the latter purpose is not to drop below 30 rounds per gun or Howitzer, except under the circumstances given in INSTRUCTION No. 17, para. 11, second sentence. The amount used daily between 6 p.m. and 6 p.m. is to be wired to D.A.H.Q. daily by 7 p.m. under the following headings :-

<u>EXPENDITURE</u>	<u>6 p.m. to 6 p.m.</u>
	A                  AX                  BX
Harassing	--
Barrages	--
Other purposes	--

6. S.O.S. LINE :-

As from 10 a.m., October 2nd, the S.O.S. line on the Left Divisional Front will be as follows :-

D 28 d 1792 - D 22 c 6 2 - D 21 d 7 5.

The Infantry front line runs as follows :-

J 4 d 8075 - J 4 b 3047 - D 28 d 1200 -  
 D 28 a 3025 - Western edge ZONNEBLKE Lake -  
 D 28 a 3075 - D 22 c 0 0 - D 21 d 2015 -  
 D 21 c 5572, thence North with posts 50 to 100 yards East

7. ACKNOWLEDGE on form attached.

*C.M. Bates*  
 Major, R.A.,  
 Brigade-Major,  
 4th Australian Divisional Artillery.

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## FOURTH AUSTRALIAN DIVISIONAL ARTILLERY

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SECRET

INSTRUCTION NO. 21

HEADQUARTERS,  
30th September 1917.

1. There will be two Corps Bombardment Barrages on each of "Q" and "R" days.

2. Times of commencement-

Q. 1	Barrage	--	6.15 a.m..
Q. 2	"	--	5 p.m.
R. 1	"	--	3.30 a.m.
R. 2	"	--	1.30 p.m..

3. The starting line will be as follows, with reference to line on attached tracing :-

Q. 1	-	"A" Barrage 100 yards E. of line.
Q. 2	-	"A" Barrage on line.
R. 1	-	"A" Barrage 100 yards E. of line.
R. 2	-	"A" Barrage on line.

4. Diagrams of barrages are attached.  
Any faults in Barrage distribution will be checked during Q 2 Barrage.

5. Rates of fire will be as in INSTRUCTION No. 19.

Estimate of ammunition is as follows in rounds per gun :-

	<u>Q. 1</u>	<u>Q. 2</u>	<u>R. 1</u>	<u>R. 2</u>
18-prs.	84	30	36	66
<u>4.5" How.</u>	42	30	33	33

6. There will be the usual restrictions as to the use of No. 106 Fuze.

7. ACKNOWLEDGE on form attached.

*C. M. A. T.*  
Major, R.A.,  
Brigade-Major,  
4th Australian Divisional Artillery.

Normal distribution.

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SECRET.

2119

FOURTH AUSTRALIAN DIVISIONAL ARTILLERY.

"C" Group. } 3 copies.  
 "D" Group. }  
 -----

HEADQUARTERS,  
 30th September 1917.

GAS SHELL BOMBARDMENT  
on night 30th Sept./1st October 1917.

1. At mid-night 30th Sept./1st October, if weather conditions continue suitable, the following gas shell bombardments will be carried out :-

TASKS -

"C" GROUP	:-	Enemy Regimental Headquarters	J 5 5 0 8
"D" GROUP	:-	" "	" D 29 a 2095
		" "	" D 29 d 8 6

2. Ammunition allotment for each target - 300 rounds special shell.

3. RATES OF FIRE :-

Zero to zero plus 5 min.	-	4 rds. per How. per min.
Zero plus 5 to zero plus 60	-	1 1/2 " " Bty. " "
Zero plus 60 to zero plus 65	-	2 " " How. " "
Zero plus 65 to zero plus 105	-	1 rd. " Bty " "
Zero plus 105 to zero plus 106	-	2 rds. " How. " "

4. H.E. will not be mixed with these shell.  
 Any P.S. in possession will be fired in the first burst.

5. ACKNOWLEDGE by wire.

*Imvra*  
 Major, R.A.,  
 Brigade-Major,  
 4th Australian Divisional Artillery.

..... Howitzer Battery.

Your task is ....

ACKNOWLEDGE by wire.

Adjutant,  
 ..... Group.  
 Left Sector, 1st ANZAC. Artillery.