

AWM4

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

Tunnelling & Survey

Item number: 16/4/27 Part 2

Title: 3rd Australian Tunnelling Company

April 1918



AWM4-16/4/27PART2

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Appendix XXVII

CONFIDENTIAL.

A.M.2/9.

Controller of Mines,
First Army/

Herewith, please, report by Lt.J.Dow on operations of No.1 Section Detachment (recently with XV Corps) from 9th to 18th instants.

After making full enquiries, I regret having to report Lieut.N.Campbell as missing. The work of this excellent officer deserves special mention.

The casualties stated by Lt.Dow have already been reported.

The detachment did excellent work and was specially complimented by Lt-Col.Lloyd of the 19th Suffolk Regiment, 40th Division.

I am recommending that Lt.Dow.

No.1251 Cpl.Barsby S.

" 4537 Spr.Burke W.E.

& " 5794 " McManus P.

be awarded special recognition.

Sqr. Alex. Sanderson,
Major,

21/4/18.

O.C., 3rd Australian Tunnelling Company.

O.C.,
3rd Australian Tunnelling Company/

Report on operations of No.1 Section.
From 8th to 18th April, 1918.

I have to report, as follows, on the operations of No.1 Section of 3rd Australian Tunnelling Company from the 8th to 18th instant.

1918
April
9th.

Heavy enemy bombardment commenced on 8th and lasted all night (8th/9th) gas & H.E. Shells - very heavy on right. Rumoured that enemy had broken through our line at LAVENTIE. At 8 a.m. the day relief of 12 O.R.'s went to work as usual. Lt. Campbell with them. At 3.30 p.m. I stopped the 4 p.m. relief from going to work. Acting on instructions received from Lt. Campbell I telephoned the C.R.E., 34th Division for orders at 4 p.m. Ordered to report to 101st Brigade at once. Lt. Campbell returned with off-coming relief at 4.30 p.m. I fell men in with full kit-48 hours rations, 2 Officers & 38 O.R.'s in party. Marched to assembly point (No.3 series MG. Emplacements - (Sheet 36 B.39.c.40.85) whilst Lt. Campbell reported to 101st Brigade per motor bicycle. Lt. Campbell was ordered to report with party to 102nd Brigade at ERQUINGHEM. Marched men to ERQUINGHEM and reported to 102nd Bde (Sheet 36 H.4.d.30.70) at 7 p.m. 102nd Bde ordered us to report back to 101st Bde (Sheet 36 B.39.b.50.00) Marched men back to No.3 Series Emplacements (Very heavy shelling on both marches) and again reported to 101st Bde at 8 p.m. who ordered us to again report to 102nd Bde. Lt. Campbell, self & 4 men went back to ERQUINGHEM and reported to 102nd Bde at 9 p.m., leaving balance of party in charge of Cpl. Barsby at No.3 series. G.O.C. 102nd Bde ordered us to report to Major Osborne of 15th Royal Scots Regiment. Did so and sent runners back for Cpl. Barsby & party. When party arrived at 11 p.m. Major Osborne told us to report to Lt. Young, (Coy. Commander) who showed us a position and ordered us to dig in. This position was in H.10.a. facing S.W. on the right flank of and at right angles to the front of the X Batta. (A composite battalion of Pioneers, Engrs, 16th M.F. & attached infantry). Lt. Young told us we were behind the reserve line. Posted sentries and stopped there all night. Apparently no one on our right flank. - ERQUINGHEM heavily shelled until 1 a.m. 10th. Stood to at dawn. About 7 a.m. enemy appeared to be advancing - our right flank still in the air. Reported this to Lt. Young. At noon enemy seen crossing our front from left to right about 600 yds away. Right flank still unprotected. Again reported this and sent out patrols to get in touch with our nearest troops. Patrols reported a gap of 300 yds between us and some Pioneers. Patrolled gap myself and found it to be as reported. Lengthened our line to try and link up. Enemy getting closer - opened fire at 400 yds - At this stage a German was seen crossing our front about 200 yds away. Sprs. No. 5786 MUIR J No. 5858 WATSON J.A. & No. 4434 MUNN-PENDLE J., stalked him and took him prisoner. An officer then reported that a Battalion of Royal Scots (?) was coming to reinforce and fill the gap reported. Met the

April
10th.

the officer and showed him the position. Another Battalion (?) came up and took up a position parallel to the railway line and on our left flank. Enemy came nearer and occupied a farm in front Heavy enemy machine gun and rifle fire. - 6 p.m. Very heavy short range fire from enemy light artillery. Lt.Campbell now put in command of the Company of the X Battn to which we were attached in place of Lt.Young. At 7.30 p.m., Lt.Campbell received written orders from C.O. X Battn to retire and report to Col.Stephenson 16th Royal Scots at JESUS FARM. Cpl.Barsby states that as the runner with this order came along the line, he called out to the men - "Jerry is over the Canal, get back quickly" - Although I did not hear this personally, the statement has been corroborated by several men of the detachment. A number of men then retired without orders. Lt.Campbell did not seem satisfied and told me to hang on, while he saw about it. He then walked towards Headquarters and was lost to view behind a burning estaminet. He was not seen afterwards by any of the party. Both companies on our flanks then retired and I ordered my Coy to retire in conformity. During retirement Spr.Kelly was hit and fell - Believed to be killed. Enemy were then very close and enemy M.G., rifle & artillery fire very heavy. Took Spr.Ashford and went to Battn.H.Q. (15th Royal Scots) to look for Lt.Campbell - found Headquarters deserted. Picked up Cpl.Barsby & 22 O.R's at rendezvous and reported with them to JESUS FARM at 8 p.m. Balance of party missing. Looked for Col. Stephenson and found Col.Lloyd of 19th Suffolk Regt., 40th Division who took charge and posted us on left of WIGAN POST. Called roll Lt.Campbell and the following other ranks were missing:-

- | | |
|-------------------------------------|----------------------|
| 6891 Spr.Burke G.F. | 4518 Spr.Wilson P.R. |
| 5858 " Watson J.A. | 6876 " Cook C.W. |
| 6668 " Brownhill F.H. | 4898 " Yaxley A.G. |
| 1057 Spr.Kelly E.- believed killed. | |

At this stage the following men reported sick and were sent to NIEPPE:-

- | | |
|----------------------|--------------------|
| 5363 Spr.Leaver C.H. | 4882 Spr.Browne S. |
|----------------------|--------------------|

April 11th.

Stood to till 3 a.m. then fell in and marched to NIEPPE, still under Col.Lloyd's orders. Arrived NIEPPE at 3.30 a.m. Called the roll and found L/Cpl.Mayne, Spr.Ahearn & Spr.Roberts missing. Rested till 5 a.m. fell in and marched to Mill off ARMENTIERES - BAILLEUL Road (Approximate Map Reference Sheet 36 B.8.d.45.55) Dug in here. At noon ordered to fall in as platoon attached 19th Suffolks. Marched across main road and took up position (Approximate B.9.a.50.50) About 1 p.m. advanced as a wave in support of 19th Suffolks to hold enemy. South Wales Borderers? forward on left front twice retired and were collected and sent back by Sgt.Mjr.Macey of 19th Suffolks and myself. Lay out all day in field under fire.- M.G. and snipers very active. No.4765 Spr.Hogan A.W. sniped through left breast. No.4746 Spr.Cahill, 6765 Spr.How, 3891 Spr.Blizzard & 4411 Spr.Williams H., carried him to Field Dressing Station. Spr.Williams H., returned. (Other three were stopped by an officer) At dark (8.30 p.m.) 19th Suffolks retired as ordered through my position and my platoon covered retirement and followed on as rear guard, in accordance with instructions from Col.Lloyd - We marched towards BAILLEUL and rested for a few hours on BAILLEUL Road. Called

- Called roll. Sprs. How, Cahill & Blizzard missing. Fell in at 5 a.m. and marched to STRAZEELE. Rested till 3 p.m. After thanking the men for the support they had given, Col. Lloyd ordered me to report with my party to 1st Aust. Bde. H.Q., at PRADELLES - did so and bivouacked with Aust. L.T.M. Battery.
- April, 19th.
- April, 13th. Bde. Major 1st Aust. Bde. ordered me to report to 1st Field Coy Aust. Engineers at BORRE under Capt. B. Dowling - did so - rested that day.
- April, 14th. 8 a.m. marched to forward billets 1st Field Coy A.E. at PRADELLES - men attached to Nos. 2 & 3 sections 1st Field Coy. Worked on STRAZEELE defences and spitlocking and digging trenches. Heavy bombardment of billets. Sent report by D.R.L.S., to O.C., 3rd Aust. Tun. Coy., stating position, nominal roll and asking for orders.
- April, 15th. Reconnoitred positions for charges to mine roads at STRAZEELE, PONT SEC BOIS & railway.
- April, 16th. Excavated for above - no explosives to complete charging.
- April, 17th. Digging strong points and alarm posts. Heavy enemy shelling. At 8 p.m. orders received from O.C., 3rd Aust. Tun. Coy. to meet transport at WALLON CAPPELL at noon of 18th to rejoin unit.
- April, 18th. Fell in 8.30 a.m. and marched to WALLON CAPPELL. Met lorry from 3rd Aust. Tun. Coy. - Picked up Cpl. Mayne & 8 men at EBBLINGHEM. Arrived at Headquarters 3rd Aust. Tun. Coy. at 6 p.m.

The following is a nominal roll of the party *in* at 4.30 p.m. on 9/4/18:-

Lt. N. Campbell.	Lt. J. Dow.
1251 Cpl. Barsby S.	4395 L/Cpl. Mayne E.
5616 L/Cpl. Stubbs W.S.	910 SDR. Ahearn R.T.
6668 SDR. Brownhill F.H.	829 " Bennetts A.C.
6891 " Burke G.F.	4537 " Burke W.E.
4977 " Bunning W.	4746 " Cahill G.
6873 " Cook C.W.	6765 " How W.G.
4765 " Hogan A.W.	5337 " Hansson F.G.
1057 " Kelly E.	5363 " Leaver C.H.
4419 " McLean A.	4499 " McLean T.D.
1993 " Marsh E.	5786 " Muir J.
4434 " Nunn-Pendle J.	9395 " Novok S.
1915 " Peach J.	6819 " Ritter T.
6643 " Ryan T.	4469 " Roberts W.
4843 " Symons A.V.	1937 " Smitheram T.T.
4518 " Wilson P.R.	4516 " Wilson J.
5858 " Watson J.A.	1900 " Williams W.
4808 " Yaxley G.	1247 " Ashford S.F.
4989 " Browns S.	5794 " McManus P.
9891 " Blizzard D.N.	4511 8888 " Williams H.

The behaviour of the detachment under trying circumstances was splendid. Their coolness and steadiness under heavy fire was admirable. Their conduct, whilst acting as a covering screen in the retirement on the night of the 11th was worthy of the high traditions of the British Army. In this connection I should like to

to bring to your special attention the names of No.1251 Cpl.Barsby S., No.4537 SPR.Burke W.E., & No.5794 SPR.McManus P..

Cpl.Barsby was coolness personified and by his steadiness and devotion to duty gave me the greatest assistance. He commanded the second line of my platoon on the 11th and handled it with courage and initiative. When SPR.Hogan was wounded, Cpl.Barsby with SPR.How(No.6765) went to his assistance and dressed his wound at great personal risk.

Nos.5794 SPR.McManus P., & 4537 Burke W.E., on all occasions by courage and cheerfulness encouraged the rest of the detachment.

It is with very great regret that I have to report:-

Lt.Campbell N.	--	Missing.
No.1057 SPR.Kelly E.,	-	Missing (believed killed).
" 4765 "	Hogan A.W.	- Wounded (G.S.W. in chest).

John How

Lieutenant,
3rd Australian Tunnelling Company.

19/4/18.

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O. C.,
3rd Aust. Tun. Coy.

The Chief Engineer XV Corps has read the report upon the operations of your Northern Detachment during the fighting near Armentieres of 9th to 18th April, 1918.

He wishes me to convey to Lieut. DOW and all ranks of the detachment his warmest congratulations on the splendid manner in which they behaved.

First Army, H.Q.,
28th April, 1918.

R. E. E.
Lieut: Colonel, R.E.,
Controller of Mines,
First Army.

M.P.

Appendix XXVII

XV Corps No.A.C.8063/102.

CONFIDENTIAL

Chief Engineer,
XV Corps.

With reference to the recommendation submitted under your No. 1/2091 dated 29/4/18, the Corps Commander has, under authority granted by His Majesty the King, awarded the MILITARY MEDAL to:-

No. 1251 Corpl. S. BARSBY, 3rd Australian Tunnelling Coy. A.I.F.

The recipient should be informed if possible. His name will be published in the London Gazette in due course.

The Corps Commander desires that his congratulations may be conveyed to the recipient.

2/5/18.
FW.

Major.
D.A.A.G., XV Corps.

Copy & A.Fs.W.3121 to:- M.S.,G.H.Q.

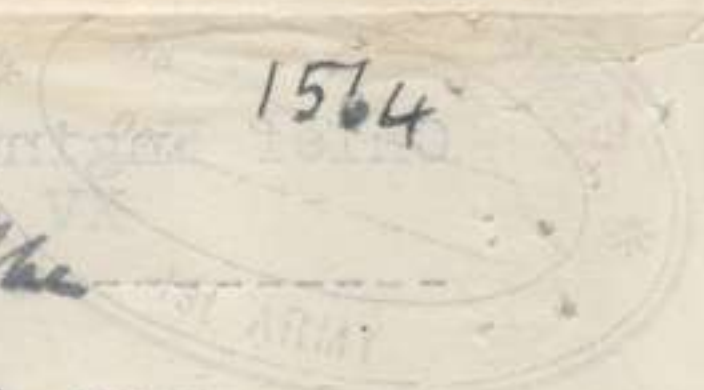
P.T.O.

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The Controller of Mines, 1st Army.

For information, will you please communicate the above & also convey my heart congratulations to Capt. Barby & to all ranks of the 3rd Australian Tunnelling Co. A.I.F.



A. J. Inglis
B.G.
C.E. x v Corps.

3/5/18.

CHIEF ENGINEER,
XV CORPS.
No. 1/2091

P.T.O.
/ /

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O.C.,
3rd Aust. Tun. Coy.

C.E. XV Corps informs me that Corpl. S. BARSBY has been awarded the Military Medal for gallantry and good service in the operations of your Northern Detachment on 11/4/18 and he wishes me to convey to Corpl. Barsby his congratulations.

It was difficult for you to single out for reward any one man in this general engagement, where all your Detachment gave such a good account of themselves. But it is recognised that the following were outstanding examples during an action of exceptional importance and difficulty in the Northern battle:-

Lieut. N. CAMPBELL.
Lieut. J. DOW.

No. 1251 Corporal BARSBY S.
4537 Sapper BURKE W.E.
5794 Sapper McMANUS P.

✓
First Army, H.Q.,
4th May, 1918.

R. E. E.
Lieut: Colonel, R.E.,
Controller of Mines,
First Army.

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APPENDIX 27
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Appendix XXVII.

(COPY).

*Vide
Other Reports*

1.

First Army No.G.S.1174.

C.E.

The Army Commander desires to express to Lieut. DOW and all ranks of the Northern Detachment, 3rd Australian Tunnelling Company, his appreciation of the active part taken, and of the skill and gallantry displayed during the heavy fighting commencing April 9th.

(Sgd) ... W.H.ANDERSON.
Major General, for Staff
First Army.

First Army.
6/5/18.

2.

(COPY).

Controller of Mines.

For information and communication to 3rd Australian Tunnelling Company.

(Sgd) ... H.H.WHEATLEY.
Major.R.E.
S.O.R.E.

8/5/18.

3.

O.C.,
3rd Australian Tun.Company.

C.M. 1615
First Army.

Forwarded.

First Army,H.Q.
8th May,1918.

R Stokes
Lieut-Colonel,R.E.
Controller of Mines,
First Army.

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Appendix XXVIII

SECRET

3rd Canadian Division

G. 991

7th Canadian Inf. Bde.	(7 copies))
8th Canadian Inf. Bde.	(7 ")
9th Canadian Inf. Bde.	(7 ")
C.R.A.	(18 ")
C.R.E.	(5 ")
D.M.C.C.	(5 ")
123rd Canadian Pwr. Bn.	(3 ")
3rd Cdn. Divl. Train	(5 ")
A.D.M.S.	(5 ")
Camp Commandant	(1 ")
Signals	(1 ")
H.A. Group	(4 ")
- 3rd Aus. Tuml. Co.	(2 ")
C.S.C., R.E., Third Army	(10 ")
"O"	(1 ")
"I"	(1 ")

Herewith copies as above of Canadian Corps Instructions for Anti-Aircraft Defence.

Appendix "A" is not attached, and will be forwarded later.

These instructions cancel all previous instructions issued by the Canadian Corps on Anti-Aircraft Defence.

Please acknowledge.

Handwritten signature

Lieut.-Colonel,
General Staff,
3rd Canadian Division.

22:4:18.

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SECRET

CANADIAN CORPS
G.834/25-5
19th April, 1918.

3rd Cdn. Div.
... ..

Herewith Copy No.3 of Canadian Corps Instructions for Anti-Aircraft Defence, dated 19th April, 1918.

These instructions should be read in conjunction with S.S. 205 "Notes on Observation from Aeroplanes" issued in February, 1918, special attention being paid to pages 7, 8 and 9.

It must be impressed on all ranks that it is an old fallacy that if men in the trenches look up at aeroplanes their white faces will show.

This is only true if the machine is flying so low that the men who look up could see the white face of the observer if he looked over the side.

The surest means of preventing a hostile plane coming sufficiently low to see men's faces is by opening heavy Rifle, Lewis and Machine Gun fire. If no fire is opened the pilot naturally becomes bolder, flies lower and remains longer in the area.

It is difficult for an observer to locate the source of Rifle, Lewis and Machine gun fire, and practically impossible for the pilot of a single-seater machine to do so.

(Sgd) A.W. WEBBER, B.G., G.S.,
Canadian Corps.

SECRETCopy No. 3.Ref: Map 36 B. 1/40,000CANADIAN CORPS INSTRUCTIONS FOR ANTI-AIRCRAFT DEFENCE

These instructions cancel those issued on 3rd March, 1918, under Cdn. Corps G.44/25-5, all copies of which will be destroyed.

- 1. RESPONSIBILITY** The Commander of every Field Unit, wherever located, will be responsible at all times for the defence of his Unit against enemy aircraft below 3,000 feet, and each Unit is now equipped with Lewis (or Machine) guns for this purpose.
- 2. CLASSIFICATION OF AREAS.** Areas are classified as follows:-
- (i) **DEFENDED AREAS**
The whole area occupied by the British Armies except the area lying east of a line joining the H.Q. of Divisions in the line.
- (ii) **UNPROTECTED AREAS**
The area lying east of a line joining the H.Q. of Divisions in the line.
- In the area at present held by the Canadian Corps, the line joining H.Q. of Divisions in the line will run as follows:-
Along the railway from L.9.a.5.0. to F.13.c.0.9. thence along road to F.13.a.4.2. to F.13.e.2.8, thence north along track to CHAUSSEE BRUNHAUT, F.1.c.7.9, thence along north east side of CHAUSSEE BRUNHAUT to W.30.c.6.3, thence along road to VILLERS AU BOIS, round western edge of VILLERS AU BOIS to X.19.a.1.9, thence northwest along road to W.5.c.5.6, thence northeast through W.5.central round western edge of GOUY SERVINS to Q.35.d.9.4. to Q.36.a.8.3, thence northeast by track running through Q.36.b.3.7, R.25.c.5.6. and R.25.d.8.8. to MARQUIPPES Pmc. (inclusive) thence along track to main ARRAS-BETHUNE Road, R.15.b.7.7, thence northwest along road to PT. SAINS (village inclusive to Forward Area) to L.25.b.5.3, thence round western outskirts of BRACQUEMONT to Corps boundary, K.24.b.9.8.
- 3. CO-ORDINATION OF DEFENCES** Divisions in the line will be responsible for the co-ordination of Lewis or Machine gun A-A defences in their portion of the Unprotected Area against enemy aircraft below 3,000 feet.
- Dispositions regarding A-A organization in the Unprotected Area will be given by Divisions in their Operation Orders or Schemes of Defence. These dispositions will include the defence of battery positions, including Heavy Batteries.
- 4. ORGANIZATION OF DEFENCES.** The co-ordination of Lewis and Machine guns in the Unprotected Area will be organized as follows (vide Chapter VII - "Tactical Employment of Lewis Guns C.S. 197):-

- (a) A line of A-A Lewis guns found by Infantry battalions in front line will be established about 500 yards behind the front line.
The Lewis guns so detailed should be grouped in pairs, and will not be more than 1,000 yards apart.
- (b) A second line of Lewis guns, found by battalions in support, or Machine guns, found by Machine gun battalion, will be established about 1,500 yards in rear of the front line.
These guns will also be grouped in pairs, and should not be more than 1,000 yards apart.
- (c) A third line of A-A Lewis guns, furnished by the Field Artillery, corresponding with the line of Field artillery battery positions and about 2,500 yards from the front line.
The A-A Lewis guns on this line should be grouped in pairs and should, if possible, be not more than 1,000 yards apart.
- (d) A fourth line of A-A Lewis guns, furnished by the Heavy artillery and corresponding with line of Heavy Artillery positions.
The A-A Lewis guns on this line should, if possible, be grouped in pairs and should not be more than 1,000 yards apart.

5. RIFLE, LEWIS AND MACHINE GUN FIRE BY DAY.

By day all hostile aeroplanes flying at a height of 3,000 feet and under (i.e., when the struts of the plane are visible to the naked eye) will be engaged by all A-A Lewis or Machine guns and by all available rifles within range. Rifle fire by single men is of little value and every effort should be made to concentrate the fire of at least 50 rifles on the plane.

6. RIFLE, LEWIS AND MACHINE GUN FIRE BY NIGHT AGAINST AEROPLANES.

By night -

(a) IN THE DEFENDED AREA.

- (i) Rifle, Lewis and Machine gun fire will be opened on any aeroplane located in this area by night which does not either sound its Klaxon horn or show its navigation lights, or which is unmistakably identified/in the beam of a searchlight.
as hostile

N.B. The navigation lights are four in number - one at the top of the outer edge of each of the bottom planes, one on the tail, and one underneath the machine shining vertically downwards. The port and starboard lights on the planes are red and green respectively. The lights on the tail and underneath are white. The fact that the machine is not showing navigation lights is not to be taken as proof that it is an enemy machine, providing it is sounding its Klaxon horn.

- (ii) As the successful action of our defences at night depends very largely on locating the enemy aircraft by means of listening instruments and thus being able to direct the searchlights in the right direction with a reasonable prospect of picking them up, indiscriminate firing or barrage either by guns or small arms is likely to do more harm than good.

- 3 -

Moreover, when they know that searchlights are in the vicinity, enemy aircraft seldom fly at heights below 7,000 feet, at which height small arm fire is useless. As a general rule, it may be taken that an aeroplane is within range of small arms fire (a) if the plane can be seen against the sky (b) if the struts can be seen when the plane is in the beam of a searchlight.

It is important, therefore, that the fire of units in the vicinity of A-A defence should be efficiently controlled in order that the efficacy of these defences may not be impaired.

(b) IN THE UNPROTECTED AREA

No Rifle, Lewis or Machine gun fire will be opened on aeroplanes by night unless they disclose their hostile identity unmistakably by dropping bombs or opening fire, or their identity is unmistakably revealed in the beam of a searchlight.

7. **ORDERS RELATING TO FIRE AGAINST AIRSHIPS.** In the Defended and Unprotected Areas by night the opening of fire against any airship is prohibited unless the airship has revealed its hostile character unmistakably by dropping bombs.
8. Orders regarding the mounting of Lewis guns for A-A defence, for the defence of certain localities, are attached - Appendix "A".

19th April, 1918.

(Sgd) A.W. Webber, B.G., G.S.,
Canadian Corps.

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APPENDIX 29⁷³



Appendix XXIX

GMcL/RGR

Canadian Corps.
C.E. 316/S-6-10.

- 1st Tunnelling Company C.E.
- 176th Tunnelling Company R.E.
- 185th Tunnelling Company R.E.
- 3rd Australian Tunnelling Company.

Herewith copy of First Army
No. 2914 (G) of 19-4-18, for your information
and necessary action.



Robert Boyd
Major.
Staff Officer
for C.E., Canadian Corps.

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Appendix XXIX

First Army No. 1914(G)

Canadian Corps.

Ref. First Army 1914(G) dated 13-4-18.

Under no circumstances are troops to be permitted to open fire on aeroplanes with British markings.

First Army,
19-4-18.

(Sgd) O.M.L. Nicholson, Lt-Col.,
for Major General,
General Staff, First Army.

--2--

CANADIAN CORPS.
G.889/25-5
21st April, 1918.

1st C.M.M.G. Bde.

C.L.H.

C.E. Cyclists Batt'n.

C.E. (12 copies for distribution to
Tunnelling Co's & A.T. Co's.)
Labour Commandant. (12 copies for
distribution to Labour Co's.)

C.C.H.A.

C.M.G.O.

S.M.T.O.

Forwarded for information and necessary
action.

J. D. Deighton
Major

D.G., G.S.,
Canadian Corps.

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JLHB/RGR

Appendix XXX

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Canadian Corps.
C.E. 514/6-0

- C.R.E. Corps Troops
- C.R.E. 5th Can. Divisional Engineers.
- 1st Tunnelling Company C.E.
- 176th Tunnelling Company R.E.
- 185th Tunnelling Company R.E.
- 3rd Australian Tunnelling Company

In accordance with G-874/23-11 of 21-4-18:

IN THE ALERT ZONE.

1. The orders that the Box Respirator must be worn in the Alert position applies equally to men digging trenches or carrying out any work in the Zone.

IN THE PRECAUTIONARY & READY ZONE.

Men employed on digging trenches need not wear the Box Respirator, but must have it close at hand by the side of their task.

Men employed on any other work in these Zones must carry their box Respirators.

3. The C.R.E. Corps Troops and the C.R.E. 5th Canadian Divisional Engineers are held responsible that orders relating to gas precautions are known by units under their command or administered by them.

4. Os.C. Tunnelling Companies to whom this communication is addressed are held responsible that orders relating to gas precautions are known by Detachments Pioneer Reinforcements attached to them for quarters, rations and work.

5. Canadian Corps Instructions for Gas Precautions are being republished and copies will be distributed as soon as available.



W. G. Boyd
 Major.
 Staff Officer
 for C.E., Canadian Corps.

C.R.E. Corps Troops

G.R.E. Corps Troops



1st G.R.E. Cavalry Corps
1914-1918

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RECEIVED
1st G.R.E. Cavalry Corps
1914-1918

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1st G.R.E. Cavalry Corps
1914-1918

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JLHB/RGR

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Canadian Corps.
C.E. 326/D-19.

3rd Australian Tunnelling Company
C.R.E. 3rd Canadian Division
Canadian Corps "G")
3rd Canadian Division "G") For information.

CANTEEN TUNNEL.

1. The following work will be carried out on CANTEEN TUNNEL commencing April 24th, 1918:-
 - (a) Stripping of 480' of Tunnel between DOUGLAS TRENCH and CARP TRENCH from 5' x 2' to 6' x 3'.
 - (b) M.G. Emplacement at N.8.b.3.2. to be repaired.
 - (c) Completion of rise to M.G. Emplacement at N.8.b.15.15.
 - (d) One rise for Lewis Gun Position at MASONS HOUSE.
2. 3rd Australian Tunnelling Coy. will provide one half Section for this work and supervise it.
3. C.R.E. 3rd Cdn.Divn. will arrange for a party of 90 men to be detailed from 3rd Cdn.Divn. and placed under 3rd Austln. Tunlg. Coy. for work from April 24th, 1918, and will advise O.C. 3rd Austln. Tunlg. Coy. the unit from which this party will be detailed.
4. O.C. 3rd Aust. Tunlg. Coy. will arrange all the necessary working details direct with O.C. of the unit from which this party is detailed.
5. O.C. 3rd Austrln. Tunlg. Coy. will forward to this office by 8.00 p.m. daily, progress report of work done up to 12.00 noon same day, for the preceding 24 hours
6. Acknowledge by wire. ✓



W. B. Bogan
Major.
Staff Officer

SECRET

Appendix XXXI

123rd Cdn. Pioneer Bn.
9th Field Co. C.E.)
9th Cdn. Inf. Bde.) for
3rd Australian Tunnelling Co) information.

C.R.E. 6-138

1. Work on the CANTEEN Tunnel will be taken over by the 3rd Australian Tunnelling Coy. on the 24th instant. The party from the Pioneer Bn. will continue working on CANTEEN Tunnel until relieved, on which they will rejoin their unit under arrangements to be made by their Battalion.
2. Arrangements for relief to be made direct between 123rd Cdn. Pioneer Bn. and 3rd Australian Tunnelling Coy.
3. After relief, this party of Pioneers will work on cleaning out and repairing entrances to cellars and shelters in Fosse 7 vicinity.

G. H. Shaw
Major

Lieut. Col.
C. R. E.

3rd Canadian Division.

23-4-18.

Canadian Corps.
C.E. 326/D-19.

3rd Australian Tunnelling Company
C.R.E. 3rd Canadian Division
Canadian Corps "G")
3rd Canadian Division "G") For information.

CANTEEN TUNNEL.

1. The following work will be carried out on CANTEEN TUNNEL commencing April 24th, 1918:-
 - (a) Stripping of 480' of Tunnel between DOUGLAS TRENCH and CARP TRENCH from 5' x 2' to 6' x 3'.
 - (b) M.G. Emplacement at N.8.b.3.2. to be repaired.
 - (c) Completion of rise to M.G. Emplacement at N.8.b.15.15.
 - (d) One rise for Lewis Gun Position at MASONS HOUSE.
2. 3rd Australian Tunnelling Coy. will provide one half Section for this work and supervise it.
3. C.R.E. 3rd Cdn.Divn. will arrange for a party of 90 men to be detailed from 3rd Cdn.Divn. and placed under 3rd Austln. Tunlg. Coy. for work from April 24th, 1918, and will advise O.C. 3rd Austln. Tunlg. Coy. the unit from which this party will be detailed.
4. O.C. 3rd Aust.Tunlg. Coy. will arrange all the necessary working details direct with O.C. of the unit from which this party is detailed.
5. O.C. 3rd Austrln. Tunlg. Coy. will forward to this office by 8.00 p.m. daily, progress report of work done up to 12.00 noon same.day, for the preceding 24 hours
6. Acknowledge by wire. ✓



W. B. Bogach Major.
Staff Officer
for C.E., Canadian Corps.

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43rd. Canadian Bn.
58th. Canadian Bn.
3rd. Australian Tunnelling Coy. R.E. (for information)

1. The following working parties will be required from 43rd. Canadian Battalion for 3rd. Australian Tunnelling Coy. R.E. for work on CANTREN TUNNEL, commencing 24th. April 1918 :-

"X" party.	25 men	at 1.30.p.m.	20	} amended by wire on 30/4/18.
"Y" do.	40 "	" 9.30.p.m.	50	
"Z" do.	25 "	" 5.30.a.m.	20	

Parties will report at junction of LENS-BERHUNE Road and COIN ALLEY in the trench at N.7.c.0.9. where guides from the 3rd. Australian Tunnelling Coy. R.E. will meet them.

2. The 58th. Canadian Battalion will provide an Officer for the control of Tunnel and disposal of spoil from the work, and will be responsible for assisting in the work by keeping traffic in the tunnel down to a minimum.

3. An Officer from the 3rd. Australian Tunnelling Coy. R.E. will call at Headquarters of 58th. Canadian Battalion in the Line to arrange details. *with officer.*

4. In addition to above parties 43rd. Canadian Battalion will furnish party "W" consisting of 16 O.Rs. to work in 3 shifts - *6 each* W.1.-W.2.-W.3. reporting at 2pm.-10pm. and 6.30am. daily, commencing 25th. instant. Party will rendezvous at dugout under construction at M.12.d.3.8.

5. Please acknowledge. ✓

Capt.
Brigade Major,
9th. Canadian Inf. Bde.

23.4.18.

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O. C. 3rd Australian Tunnelling Coy.

Under instructions received from you I proceeded to HILL 70 on morning of 23/4/18 to investigate the report of suspicious sounds heard at post H32 D 10.90.

On arrival at ICOS I questioned tunnelling N.C.O. and listeners re the above report.

Cpl Curtis the N.C.O. in charge reported to me that he had received a call from Company in the lines to listen at this post.

He took with him two listeners - Spr McDonald & Spr Miller and in company with an Infantry Officer he listened for some time but could hear no sounds of mining, but only an occasional faint knocking. He reported accordingly to the Infantry.

I attached Cpl Curtis's report.

On morning of 23/4/18 I first of all reported to C.O. in the lines and there took an Infantry Officer with me and proceeded to point H32.C05,75 underground, and listened here for some time with geophone, but I could detect no sounds of mining.

I then proceeded to point H32 D07,80 underground and listened here for some time. Here I could occasionally pick up faint sounds with the geophone, caused, I should say, by movement on the surface. No sounds of picking could be detected, or any sounds similar to those caused by mining operations.

I then visited post at H 32/D10.90 and after listening for some time with geophone I could occasionally pick up sounds similar to those heard at H32 D07.80.

I then went to post H32D15.80 and listened here for some time without hearing any sounds.

After listening for five or ten minutes I again heard sounds similar to those heard at H32 D07.80 and post at H32 D10.90. On further investigation I found these to be caused by a man walking along sap leading to the post.

I listened with the geophone from 7.45 a.m. to 9.45 a.m. and during this period I heard no sounds of mining or underground working.

I left listeners at the post and gave instructions for listening to be carried out both by day and by night. Up to 6 a.m. 24/4/18 no sounds of mining or underground work have been heard.

In reference to the above I wish to draw attention to Cpl Curtis' report, in which he distinctly states that he reported to the Infantry Officer present that his listeners could hear no sounds of mining.

I am of the opinion that no sounds have been heard to justify any belief of enemy mining operation being carried out in this Sector.

(Sd) A.C. Morris.

Captain,
O.C. No 3 Section,
3rd Australian Tunnelling Coy.

24/4/18.

v MB

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SECRET.

826
B.M....

To:-

- 9th West Yorkshire Regt.
- 6th Yorkshire Regt.
- 6th York and Lancaster Regt.
- 3rd Australian Tunnelling Coy., R.E., (for information)

x Each main tunnel in the ST. ELIE Section is provided with a charge for blowing in the tunnel in case of emergency. A traverse is provided in each tunnel between the charge and the rear tunnel exit which is closed before firing the charge. The attached tracing shews positions of charges and traverses.*

The following instructions are issued in connection with the above.

(a) A picquet of 2 N.C.O's and 6 men will be detailed to man each traverse in case of attack.

(b) The keys ~~for~~ ^{of} the exploders for the charges in ST. ELIE and ST. GEORGE'S Tunnels will be kept in the Right Company Headquarters of the Right Battalion (G.12.d.15.15) in DUDLEY Tunnel.

The keys of the exploders for the charge in MANNING Tunnel will be kept at the Left Battalion Support Company Headquarters (G.11.a.3.0) in the dugout connected with MANNING Tunnel.

The keys must be under the charge of the Company Commander at whose Headquarters they are kept.

(c) One N.C.O. of the Tunnelling Company will be responsible that the leads and charges in each Tunnel are in good order. In case of attack he will report to the Company Headquarters where the keys are kept, and will fire the charge on receipt of orders from the Battalion Commander through the Company Commander concerned.

x (d) No charges will be blown without orders from Divisional Headquarters.

(e) A copy of these instructions will be kept at both Company Headquarters concerned and will always be handed over on relief.

W. Stone

Captain.
Brigade Major.
32nd Infantry Brigade.

25th April 1918.

* Tracing not attached.

W.S.

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Appendix XXXIV

B.M. 814.....

To:-
 170th Tunnelling Coy., R.E.
 3rd Australian Tunnelling Coy., R.E. }
 3rd Infantry Brigade. } - For information.
 34th Infantry Brigade. }

Please arrange to transfer 1 Officer and 78 O.R's of 32nd Infantry Brigade at present attached to you and working in the HOHENZOLLERN Section to the 3rd Australian Tunnelling Company, R.E., for work in the ST. ELIE Section. The 3rd Infantry Brigade are sending 1 Officer and 80 O.R's to you to replace the above personnel.

The 32nd Infantry Brigade personnel whom you are sending to the 3rd Australian Tunnelling Company, R.E., are to relieve personnel of the 34th Infantry Brigade at present working in the ST. ELIE Section.

The above reliefs will take place at 12 noon,

27th April.

W. G. ...

26th April 1918.

Captain.
 Brigade Major.
 32nd Infantry Brigade.

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Appendix XXXV

EPF/RGR

Canadian Corps.
C.E. 387/D-19

✓ 3rd Australian Tunnelling Company
 1st Tunnelling Company C.E.
 Canadian Corps "G")
 3rd Canadian Division) For information.
 C.R.E. 5th Canadian Divisional Engineers.)

Confirming telephone conversation of today, the following readjustment of work is to be made at once:

HYTHE TUNNEL, forward of H.31.d.57.48, all work will be done by 3rd Canadian Division. Galleries are to be completed by you to open gaps from H.31.d.57.48 to H.31.d.48.49, from H.31.d.21.50 to H.31.d.07.47 and from H.31.d.03.40 to Battalion H.Q. at about H.31.d.03.33.

Tunnelling personnel required to carry on this work will be drawn from personnel at present on machine gun dugouts for BULLY SWITCH.

The work on BULLY SWITCH at present being carried on by these Tunnellers, will be taken over by 1st Tunnelling Company C.E., the details to be arranged between Os.C. 3rd Australian Tunnelling Coy. and 1st Tunnelling Coy. C.E.

Spoil parties required for HYTHE TUNNEL will be arranged for with 3rd Canadian Division direct. Spoil parties at present working on BULLY SWITCH machine gun emplacements will continue on this work under supervision of 1st Canadian Tunnelling Company.

A blue print is attached, showing the portions of the Tunnel to be completed by you.

E. P. Fetherstonhaugh

Captain.
for C.E., Canadian Corps.



To:-

9th West Yorkshire Regt.
6th Yorkshire Regt.
6th York and Lancaster Regt.
82nd L.T.M. Battery.
86th Field Company, R.E.
87th Field Company, R.E.
3rd Australian Tunnelling Coy., R.E.
D.T.H.O.

} - For information.

System of Work - ST. ELIE Section.

1. (a) Battalions in the line will be responsible for the maintenance and improvement of all trenches in use and wire East of the Reserve Line inclusive.
(b) 87th Field Company, R.E., will detail trench wardens from the Brigade Pioneer Company for the maintenance of C.T's in use West of the Reserve Line.
(c) The Reserve Battalion will be responsible for the maintenance of the trenches and wire of the VILLAGE LINE, LE RUTOIRE Locality and VERMELLES Locality.
2. (a) The most important work to be undertaken by Battalions in the line is the strengthening of wire round and between Posts. Any parts of the Reserve Line wire which are weak must also be strengthened.
(b) The right of the Reserve Line (ST. GEORGES TRENCH) is in bad condition and should be improved at once. In parts of the Reserve Line the sides have begun to fall in.. The berms require clearing and the sides require sloping back.
3. (a) The main C.T's West of the Reserve Line - CHAPEL ALLEY, STANSFIELD ROAD and HULLUCH ALLEY are in good condition. The only work required is to clear, to berm and reslope the sides in places where the latter have commenced slipping in.
(b) Island traverses are under construction in HULLUCH ALLEY, which is the Northern defensive flank of the ST. ELIE Section. This work is being carried out by 87th Field Company, R.E., additional labour being supplied as required by the Reserve Battalion under orders from Brigade Headquarters.
(c) Each of the above main C.T's has a belt of wire on its Northern side between the Reserve and Village lines. It is proposed to double these belts as soon as the supply of wiring material admits. This work will be carried out by a special wiring party under 87th Field Company, R.E.

(Contd)

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re System of Work - ST. ELIE Section.
(Contd - Sheet 2)

4. (a) The defences of the Village Line and VERMELLES and LE RUTOIRE Localities should be improved continually by Battalions whilst in Reserve.

Proposals for any extensive improvement or modification of the existing defences which Battalion Commanders consider desirable should first be submitted to Brigade Headquarters for approval.

- (b) Disused C.T's running into the defences require blocking with wire.

This has already been done in many places.

5. Attached Table gives detail of working and carrying parties to be found by Battalions daily. Other parties required from Battalions by the D.T.M.O, Tunnelling Companies or Field Companies, R.E., will be detailed from Brigade Headquarters as required.

W. H. Stone

Captain.
Brigade Major.
52nd Infantry Brigade.

26th April 1918.

Table of Working & Carrying Parties.

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Serial No.	Found by	Strength of Party.	Rendezvous	Time	Guide found by	Remarks.
1.	Right Battn.	1 N.C.O. & 10 men.	Left Battn. H.Q.	8 p.m.	86 th Field Coy., R.E.	Spoil Party.
2.	Right Battn.	1 N.C.O. & 15 men.	CHAPEL POST	8 p.m.	86 th Field Coy., R.E.	Spoil Party.
3.	Left Battn.	1 Officer & 25 O.R's.	EXETER CASTLE G.11.c.5.9.	8 a.m.	32nd L.T.H. Battery.	Carry 3" Stokes Mortar Bombs. 5 of these men may be used at night for unloading if required by arrangement with Left Battn.H.Q.
4.	Left Battn.	1 N.C.O. & 8 O.R's.	JUNCTION KEEP in HULLUCH ALLEY G.10.a.05.10.	8 a.m.	3rd Aust. Tunnelling Company.	Spoil Party.
5.	Left Battn.	1 N.C.O. & 8 O.R's.	--do--	8 p.m.	--do--	Spoil Party.
7.	Left Battn.	1 N.C.O. & 16 O.R's.	--do--	10 p.m.	--do--	Spoil Party.

Appendix XXXVI

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11th Div'nl. Arty.
NO-----
B.M. 2762.

SECRET.

E

11th Division.

May the assistance of the Australian Tunnelling Company be obtained for the construction of a shaft at LILLY O.P. G.18.a.70.80. This was asked for before, but owing to a change in front, the O.P. was not required, and the work was never finished. It is now wanted again, and the O.C. Tunnelling Section has expressed his willingness to do the work. Could he be asked to get into touch with O.C. C/58 Brigade R.F.A. at G.14.d.09.59.?

C. Richards Major

26-4-18.

E Brigadier General R.A.,
Commanding 11th Divisional Artillery.

*OC. 3 Australian Tunnelling Co
London. Please arrange this. Section
for Corps was obtained 6 April 1855 (60).*

*H. S. Simpson Major
11th Division*

H.Q.
11th DIVISION.
No. 18/GS/9
Date. 26/4/18.

JLHB/RGR

Canadian Corps.
C.E. 397/D-19

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3rd Australian Tunnelling Coy.
1st Tunnelling Coy. C.E.
Detch. Pioneer Reinforcements (Attd. 3rd Austln. Tnlg. Coy.)
Canadian Corps "G"
3rd Canadian Division
C.R.E. 5th Canadian Divisional Engineers.

) For
) information

1. C.E. 387/D-19 of 25-4-18 is hereby cancelled.
2. The work on BULLY SWITCH at present being carried out by 3rd Australian Tunnelling Coy. will be taken over by 1st Tunnelling Company C.E., April 26th, 1918, details to be arranged direct between Officers Commanding these units.
3. The Spoil Party (Pioneer Reinforcements) attached to 3rd Australian Tunnelling Coy. will be taken over by the 1st Tunnelling Coy. C.E., details to be arranged between the Os.C. concerned.
4. The half-section, 3rd Australian Tunnelling Coy. now working at CANTEEN TUNNEL will be released to I Corps
5. Work on CANTEEN TUNNEL now in progress and HYTHE TUNNEL, as detailed in para. 7 below, will be carried out by one section 3rd Australian Tunnelling Company, (withdrawn from work on BULLY SWITCH), the necessary spoil men being arranged for by O.C. 3rd Australian Tunnelling Company with 3rd Canadian Division direct.
6. Work to be carried out in CANTEEN TUNNEL has already been specified in my C.E. 326/D-19 of 22-4-18.
7. Work to be carried out in HYTHE TUNNEL will comprise the completion of gaps as follows:-
 - (a) Gap from H.31.d.57.48 to H.31.d.48.49
 - (b) Gap from H.31.d.21.50 to H.31.d.07.47.
 - (c) Gap from H.31.d.03.40 to Battalion Headquarters at about H.31.d.03.33.
8. All work on HYTHE TUNNEL forward of H.31.d.57.48 will be carried out by 3rd Canadian Division.
9. Report when these reliefs have been completed and work in HYTHE TUNNEL has been commenced.
10. ACKNOWLEDGE.

26/4/18

R.H. Boyan Major.
Staff Officer
for C.E., Canadian Corps.

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CANADIAN CORPS.
M.G. R.O.10
21st April 1918.

O.C., 3rd Australian Tunnelling Coy.

BULLY SWITCH

	<u>Map Location</u>	<u>NAME</u>	<u>MAIN FIELD OF FIRE.</u>
L	M.27.a.20.45.	ALBION M.G.POST	330° G.B.
K	M.20.d.20.15.	ADA M. G.POST	85° G.B.
J	M.20.c.20.60.	BOVRIL M.G.POST	75° G.B.
I	M.19.d.10.35.	BULLY M.G.POST	60° G.B.
H	R.24. ^{20.00} 55.90 .	MECHANIC M.G.POST	310° G.B.
{G	R.23.b. ⁴⁵ 55.50 .	CORONS D'AIX BATTERY (Right)	95° G.B.
{G	R.23.b. ⁴⁰ 50.55.	" " " (Left)	10° G.B.
F	R.17.c. ⁰ 95.40.	MAISTRE BATTERY (Right)	45° G.B.
E	R. ^{17c 40 00} 23.a.70.95 .	" " (Left)	310° G.B.
{D	R.16.a. ^{30.10} 4.1 .	BRICK BATTERY (Right)	80° G.B.
{D	R.16.a.20.25.	" " (Left)	5° G.B.
{B	R.9.c. ²⁰ 80.15.	SIEGE BATTERY (Right)	90° G.B.
{B	R.9.c.55.15.	" " (Left)	285° G.B.
{A	R.14.a. ^{05.45} 25.50 .	BOYEFFLES BATTERY (Right)	60° G.B.
{A	R.14.a. ^{05.50} 15.50 .	" " (Left)	320° G.B.

W. French
for Colonel.,
Commanding Canadian Machine Gun Corps.

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APPENDIX

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Appendix XXXIX

3rd Canadian Division.
G.133

8th Canadian Inf. Bde.
3rd Australian Tunnelling Coy. ✓

The 8th Canadian Inf. Bde. will provide 72 men daily as Spoil Party for work on HYTHE TUNNEL. These men will work in three shifts of 24 men each, as follows :-

2 P.M.	24	OK!
6 P.M. <i>am.</i>	24	-
10 P.M.	24	-

First party will report to ^{3rd Aust.} Tunnellers at 2 p.m. 27th inst.

Herbert Molson Major
for Lieut-Col.,
General Staff,
3rd Canadian Division.

26-4-18.

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1st S. Wales Bord.

The party of 28 men working in detachments of 7 in two shifts for 3rd Australian Tunnelling Coy R.E. will be increased to 40 men working in detachments of 10 men on each task. All arrangements will continue to be made as at present between 3rd Australian Tunnelling Coy R.E. and the Right Battalion in the Line.

W. Sawcut.

27/4/18.

Captain,
Brigade Major, 3rd Infantry Brigade.

Copies to :- 1st Glouc. R. ✓
3rd Australian Tunnelling Coy R.E ✓

a/c. No. 2 Section.

The Brigadier is very anxious to get this accommodation as early as possible and is therefore increasing the spoils parties as detailed above.

28/4/18.

*Alex. Anderson
Major
O.C. 3rd Aust Tunn. Coy.*

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APPENDIX

75 ⁹⁰ 41

C.R.E., Corps Troops No. 651/1

O.C., No. 10 Foreway Coy., R.E.,
560 (Hants) A.T. Coy., R.E.,
170 Pannelling Coy., R.E.,
3rd Australian (T) Coy. A.E.,

Appendix XLT

Herewith I Corps Instructions No. 17 re
"Anti-Aircraft Defence" for information.

I Corps Instructions No. 17, issued on 3rd April
forwarded under my 651/1 dated 7/4/18 are cancelled.

J. Morgan

Capt. & Adjutant,
R.E., I Corps Troops.

27th April, 1918.

COMMANDING ROYAL ENGINEER. I CORPS.
No.
Date.

S E C R E TI CORPS INSTRUCTIONS No. 17.ANTI-AIRCRAFT DEFENCE.

These Instructions cancel I Corps Instructions No. 17 issued on April 3rd, all copies of which will be destroyed.

---ooo000ooo---

1. The Commander of every Field Unit wherever situated will be responsible at all times for the defence of his unit against enemy aircraft below 3,000 feet.
2. Anti-Aircraft Defence will be divided into the following areas:—
 - (i) "Defended Area". The whole area occupied by the British Armies except the area lying East of a line joining the H.Q. of Divisions in the line.
 - (ii) "Unprotected Area". The area lying East of a line joining the H.Q. of Divisions in the line.

The line joining the H.Q. of Divisions in the line will be considered to run from BAS RIEUX through GOSNAY, VERJAIN and BRAJEUHONT to VILLERS AU BOIS.

3. Organization of Defences.

(a) Divisions in the line will be responsible for the A.A. Defence of the Unprotected Area against enemy aircraft flying at 3,000 feet and under.

They will coordinate the Lewis and machine gun A.A. Defences and include them in their operation orders and defence schemes. A sketch map showing the dispositions to be submitted to Corps.

(b) The Defence will consist of pairs of Lewis guns, organised in three lines. Each pair of guns should be approximately 1,000 yards from the next (S.S.197 chapter VII).

The first line will be approximately 500 yards behind the front line trenches and the second line 1,000 yards further back. These guns will be found by the Infantry in the line.

The third line will be 1,000 yards behind the second line, or 2,500 yards from the front line trenches. These guns will be largely found by the Field Artillery, and will correspond with the line of F.A. positions.

The fourth line of defence will consist of the Lewis guns of the Heavy Artillery mounted for the defence of their battery positions.

In addition to the above Divisions will provide guns for the defence of the principle dumps and sidings in their areas.

4. Stokes Mortars. Each Division in the line will provide 2 Stokes Mortars for A.A. work. These will be sited in the 1st line of A.A. Defence, and should be arranged to work in conjunction with a pair of Lewis guns.

5. Firing at Aeroplanes.

(a) All hostile aeroplanes within range flying at 3,000 feet and under will be engaged by all A.A. Lewis guns and every available rifle. For daylight firing, the importance of continuous fire as distinguished from the "short burst" method should be impressed upon Lewis gunners.

(b).....

(b) By Night. In the "Defended Area".

- (i) Rifle and machine gun fire will be opened on any aeroplane located in this area by night, which does not either sound its Klaxon horn or show its navigation lights, or which is unmistakably identified as hostile in the beam of a searchlight.

N.B. The navigation lights are four in number, one on the top of the outer edge of each of the bottom planes, one on the tail and one underneath the machine shining vertically downwards. The port and starboard lights on the planes are red and green respectively. The lights on the tail and underneath are white. The fact that a machine is not showing navigation lights is not to be taken as proof that it is an enemy machine, provided that it is sounding its Klaxon horn.

- (ii) As the successful action of our defences at night depends very largely on locating the enemy aircraft by means of listening instruments and thus being able to direct the searchlights in the right direction with a reasonable prospect of being able to pick them up, indiscriminate firing or barrage either by guns or small arms is likely to do more harm than good.

Moreover, when they know that searchlights are in the vicinity enemy aircraft seldom fly at heights below 7,000 feet at which height small arms fire is useless. As a general rule it may be taken that an aeroplane is within range of small arms fire (a). if the plane can be seen against the sky, (b). if the struts can be seen when the plane is in the beam of a searchlight.

It is important therefore that the fire of units within the vicinity of A.A. Defences should be efficiently controlled in order that the efficacy of these defences may not be impaired.

(c) By Night. In the "Unprotected Area".

No rifle, Lewis or machine gun fire will be opened on aeroplanes by night unless they disclose their hostile identity unmistakably by dropping bombs or opening fire, or their identity is unmistakably revealed in the beam of a searchlight.

6. Airships. In the Defended and Unprotected Areas by night the opening of fire against any airship is prohibited unless the airship has revealed its hostile character unmistakably by dropping bombs.

G. W. Stordern.

Brigadier General,
General Staff, I Corps.

26th April, 1918.

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Secret Appendix ~~XXX~~
XLIII

A.M. 2/05

*C. Canadian Corps.
Controller of mines, 1st Army.*

Copy

Reference to a number of strong reinforced concrete M.G. Emplacements and O.Ps. facing our defences in forward localities, particularly in LIEVIN - HILL 70 Sector. These were constructed and used by the enemy prior to our advance in April 1917. May authority be issued for demolition of the emplacements referred to, please?

Alex. Sanderson

Major,

28/4/18.

O.C. 3rd Australian Tunnelling Company.

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SECRET.

- 1st Division.
- 11th Division.
- 46th Division.
- 55th Division.

I Corps No. 15. (G.O.) 28th April, 1918.

In continuation of I Corps No. 988 (G.O.) dated 25-4-18., the following Roads and Bridges should be added :-

(a) BRIDGES.

<u>Description.</u>	<u>Map reference.</u>	<u>Unit responsible for inspecting charge & carrying out demolition.</u>
<u>11th DIVISIONAL AREA.</u>		
29. Brick Arch Railway Bridge.	L.21.e.3.2.	8th Rly.Co.R.E. BARLIN Station.
30. Girder Railway Bridge.	Q.5.d.10.25.	ditto.

(b) ROADS.

<u>11th DIVISIONAL AREA.</u>		
12. Road Mine.	L.26.e.05.25.	3rd Australian Tunnelling Company. ✓

Adams
for
Brigadier General,
General Staff, I Corps.

Copies to :-

- C.E. I Corps.
- XIII Corps.
- O.C. 170th T. Company, R.E.
- R.C.E.1.
- R.A. I Corps.
- H.A. I Corps.
- O.C. 3rd Aust. T. Coy. R.E. ✓
- O.C. 8th Railway Coy. R.E.

Canadian Corps.

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3rd Brigade No.G.X.158/1

3rd Australian Tun. Coy. R.E. ✓
Officer i/c Bde Bands.

1. 3rd Australian Tun. Coy. R.E. will mine dug-outs for two new Battalion H.Q. at about G.2.d.0.0. and A.25.d.8.2. respectively. Work will commence at 2 p.m. tomorrow.
2. Officer i/c Bde Bands will provide spoil parties as follows :-
 - (a) There will be three shifts commencing at :-
 - 6 a.m.
 - 2 p.m.
 - and 10 p.m.
 - (b) For the first four days 6 men will be required on either task each shift, i.e, 36 men per day in all. Later the number of men will be increased. All arrangements will be made direct between 3rd Australian Tun. Coy. R.E. and Officer i/c Bde Bands.
 - (c) The first shifts will report to 3rd Australian Tun.Coy. R.E. at the site of their respective tasks at 2 p.m. 29th instant.

W. J. Sawant

28/4/18.

Captain,
Brigade Major, 3rd Infantry Brigade.

Copy to 23rd Field Coy. R.E.



9TH. CANADIAN INFANTRY BRIGADE.

SECRET.

OPERATION ORDER No. 159.

Copy No. 14

Reference map - ST. NAZAIRES RIVER-1/20,000.

April 28th, 1918.

1. The following reliefs will take place within the Brigade on the night April 30th/May 1st, 1918.
2. (a). The 116th. Canadian Battalion will relieve the 50th. Canadian Battalion in the Front Line Left Sub-Section, with Hdqrs. at M.7.b.8.G.
- (b). The 43rd. Canadian Battalion will relieve the 52nd. Canadian Battalion in the Front Line Right Sub-Section, with Hdqrs. at N.7.c.1.V.
3. On completion of relief :-
 - (a). The 58th. Canadian Battalion will move into Brigade Support with Hdqrs. at M.11.d.95.50.
 - (b). The 52nd. Canadian Battalion less 1 company will move into Divisional Reserve with Hdqrs. at R.5.c.65.35.
 - (c). One company 52nd. Canadian Battalion will move into billets vacated by the company of the 116th. Canadian Battalion in LIEVIN and will come under the orders of the G.O.C., 7th. Canadian Infantry Brigade with company Hdqrs. at M.23.c.30.50. (sheet 35c.S.W.1.)
 - (d). Advance parties from company of 52nd. Canadian Battalion will visit the billets of the company of the 116th. Canadian Battalion at present there and reconnoitre the following lines of defence in 7th. Cdn. Inf. Bde. area, before 3.p.m. of day of relief.
 - (1). RIAMONT SUPPORT Line.
 - (2). BAILLEUL-RIAMONT-LOOS Line (RED LINE)
 - (3). BROWN LINE.
 The Company will report its arrival in billets to 7th. Cdn. Inf. Bde. and 9th. Cdn. Inf. Bde.
4. The order of relief will be as follows :-
 - (a). The 116th. Cdn. Bn. will relieve the 58th. Cdn. Bn.
 - (b). The 58th. Cdn. Bn. (as it becomes relieved) will relieve the 43rd. Canadian Bn.
 - (c). The 43rd. Cdn. Bn. (as it becomes relieved) will relieve the 52nd. Canadian Bn.
 - (d). The 52nd. Cdn. Bn. (as it becomes relieved) will march out to billets at BULLY CRANAY, with one company in LIEVIN.

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Appendix XLVI

9TH. CDN. INF. BDE., O.O. 159.

-- 2 --

SECRET.

- 5. No reliefs will commence until after dark, and 116th. Canadian Battalion will not move forward of cross roads, west of RIDGE at POSSE 16 de LENS until after dark (8.45.p.m.)
- 6. Battalions will carefully hand over all working party tables and Policy of work, and work will be interfered with as little as possible.
- (a). Party "Y" and party "W"2. will be provided by 58th. Canadian Battalion on 30th. April.
- 7. All other details of relief will be arranged between Officers Commanding Battalion concerned.
- 8. Completion of relief will be wired to Brigade Headquarters using the code phrase "HUDSON" (Time)

Workup Parties on Canteen Tmts. E⁶ in Corden.

ACKNOWLEDGE.

John Thomas

Issued through Signals at 10.30.p.m.

Copies To :-

- 1 to 43rd. Cdn. Bn.
- 2 52nd. Cdn. Bn.
- 3 58th. Cdn. Bn.
- 4 116th. Cdn. Bn.
- 5 9th. Cdn. T.M. Bty.
- 6 G.O.O.
- 7 Brigade Major.
- 8 Staff Captain A. & Q.
- 9 Staff Captain "I".
- 10. Brigade Signal Officer.
- 11 No. 1. Cdn. M.G. Coy.
- 12 9th. Field Coy. C.E.
- 13 123rd. Cdn. Pioneer Bn.
- 14 3rd. Australian Tunn. Coy. R.E.
- 15 "B" Special Coy. R.E.
- 16 "M" Special Coy. R.E.
- 17 7th. Cdn. Inf. Bde.
- 18 8th. Cdn. Inf. Bde.
- 19 3rd. Cdn. D.T.M.O.
- 20. 10th. Bde. C.F.A.
- 21 91st. H.A.G.
- 22/23 3rd. Cdn. Division "G".
- 24/25 Canadian Corps.
- 26 File.
- 27/29 War Diary.

Capt.
Brigade Major,
9th. Canadian Inf. Bde.



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SECRET.~~98~~9th. Canadian Inf. Bdo.
G. 20/70.

The following "Passwords" will come into effect in 9th. Canadian Infantry Brigade area (ST. MILE SECTION) as follows :-

From Noon	April 28th.	to Noon,	April 29th.	-SECOND.
"	" 29th.	"	" 30th.	-MINUTE.
"	" 30th.	"	May 1st.	-HOUR.
"	May 1st.	"	" 2nd.	-DAY.
"	" 2nd.	"	" 3rd.	-WEEK.
"	" 3rd.	"	" 4th.	-MONTH.
"	" 4th.	"	" 5th.	-YEAR.



Capt.
Brigade Major,
9th. Canadian Inf. Bdo.

28.4.18.

Copies To :-

43rd. Cdn. Bn.
52nd. Cdn. Bn.
58th. Cdn. Bn.
116th. Cdn. Bn.
9th. Cdn. T.M. Bty.
G.O.C.
Brigade Major.
Staff Captain "I"
B.G.O., 9th. C.I.B.
E.E.O., 9th. C.I.B.
7th. Cdn. Inf. Bdo.
8th. Cdn. Inf. Bdo.
10th. Bdo. C.F. 1.
91st. H.A.C.
9th. Field Coy. C.E.
3rd. Cdn. D.T.M.C.
"B" Special Coy. R.E.
"M" Special Coy. R.E.
3rd. Australian Tunn. Coy. R.E.
3rd. Canadian Division "G".

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SECRET

Copy No. 20.....

= 34th. Infantry Brigade Order No. 113 =
=====*****=====

Reference Maps:- 33.B., N.E. 1/20,000.
33.C., N.W. 1/20,000. 29th. April 1918.

1. 34th. Brigade will relieve 3rd. Brigade in the HULLUCH Section on the night 2nd./3rd. May.
2. The relief will be carried out as follows:-
 - (a) 5th. DORSET REGIMENT will relieve 6th. LINCOLN REGIMENT in the Left Sub-Section. They will not move East of Brigade H.Qrs. (L.23.c.7.0.) MAZINGARBE before 8-15 pm. and will be clear of same place by 9 pm.
 - (b) 11th. MANCHESTER REGIMENT will relieve 9th. SHERWOOD FORESTERS in Brigade Support. The two Companies going to LOHE LOCALITY will not move East of Brigade H.Qrs., MAZINGARBE, before 9 pm. and will be clear of same place by 9-30 pm.
 - (c) 8th. NORTHUMBERLAND FUSILIERS will relieve 7th. SOUTH STAFF. REGIMENT in the Right Sub-Section. They will not move East of Brigade H.Qrs. MAZINGARBE before 9-30 pm.
 - (d) 34th. L.T.M.B. will relieve 32nd. L.T.M.B.
3. All movement East of MAZINGARBE must be in no larger bodies than platoons with intervals of 200 yards.
4. One man per. Lewis Gun Team will proceed to the Line 24 hours before the relief and will live with the team manning the position his section will take over.
5. All other details of relief, arrangements for guides, etc. will be settled direct by O's, C. Units concerned.
6. The following will report to O.C., 3rd. AUSTRALIAN TUNNELLING COY. at his H.Q., BRAQUEMONT (L.25.d.8.4.) by 8 pm. on 2nd. May in relief of a similar party now found by 3rd. Brigade:-

From 8th. Northd. Fusiliers.	1 L/Corporal and 9 Privates.
" 5th. Dorset Regt.	1 " " 9 "
" 11th. Lanc. Regt.	1 Sergeant " 9 "
7. All Defence Schemes, (Brigade, Battalion and Company), Working Party Schedules, Aeroplane Photographs, Intelligence and Disposition Maps, and all orders re: protection of gas cylinders, if not discharged by then, will be taken over from relieved units.
8. Administrative Instructions will be issued separately by the Staff Captain.
9. Completion of all reliefs will be wired to Brigade H.Qrs. in the "B.A.B." Code.
10. Brigade H.Qrs. will close at BRAQUEMONT at 9 pm. on 2nd. May and will open at WHITE CHATEAU, MAZINGARBE on completion of relief, when Command of HULLUCH Section will pass to G.O.C., 34th. Brigade.
11. ACKNOWLEDGE.

ISSUED AT 2 pm.

F.G. Turner, Captain,
Brigade Major, 34th. Infantry Brigade.

/Distribution.....

=====
= D I S T R I B U T I O N =
=====

- | | | | |
|-------------|-------------------|-------------------|------------------------|
| Copy No. 1. | Office. | 10. | 34th. L.T.R.B. |
| 2. | Staff Capt. | 11. | 32nd. Bde. |
| 3. | War Diary. | 12. | 33rd. Bde. |
| 4. | do. | 13. | 11th. Divn. |
| 5. | Bde. Sigs. | 14. | 38th. Fd. Co. R.E. |
| 6. | 8th. W.F. | 15. | Right Group Arty. |
| 7. | 5th. Dorset R. | 16. | 35th. Fd. Amb. |
| 8. | 11th. Manch. R. | 17. | T.M., MAZINGARBE. |
| 9. | "G" Coy. M.G. Bn. | 18. | T.M., MOEUX-LES-MINES. |
| | 19. | T.M., BRAQUEMONT. | |
- ;

SECRET.

Copy No.....

29th April 1918.

33rd Infantry Brigade Order No. 160.

Ref Maps-

36.b. 1/40,000

36.c.N.W. 1/10,000

1. The 33rd Infantry Brigade will be relieved by the 34th Infantry Brigade in the HULLUCH Section on the night 2nd/3rd May 1918.
On relief, the 33rd Infantry Brigade will be in Divisional Reserve.
Relief is to be completed by 4.0 a.m. 3rd May.
2. The relief will be carried out as follows:-
 - (a) 6th LINCOLN Regt in the LEFT sub-section will be relieved by the 5th DORSET Regt, and on relief will proceed to huts at BOIS du FROISSANT, Q. 18.a.
5th Dorset Regt will not move East of Brigade H.Q. MAZINGARBE (L. 23.a. 7/0) before 8.15 p.m. and will be clear of the same place by 9.0 p.m.
 - (b) 9th SHERWOOD FORESTERS in support, will be relieved by the 11th MANCHESTER Regt, and on relief will proceed to BRACQUEMONT.
11th Manchester Regt will not move East of Brigade H.Q. MAZINGARBE before 9.0 p.m. and will be clear of the same place by 9.30 p.m.
The two Companies of 9th Sherwood Foresters in MAZINGARBE will not move off until they have been relieved.
 - (c) 7th SOUTH STAFF Regt in the Right sub-section will be relieved by 8th NORTHUMBERLAND FUSILIERS, and on relief will proceed to Southern Huts MAZINGARBE.
8th Northumberland Fusiliers will not move East of Brigade H.Q. MAZINGARBE before 9.20 p.m.
 - (d) 33rd Light Trench Mortar Battery will be relieved by 34th Light Trench Mortar Battery under arrangements to be made between officers commanding Batteries, and on relief will proceed to MAZINGARBE.

Incoming Units will proceed from Brigade H.Q. via LAMBERTS TRACK, LONE BOARD and LONE TRENCH.
3. LONE Trench will not be used by outgoing units until all three Battalions of the 34th Inf. Bde have passed through it.
4. All movement East of BRACQUEMONT will be by parties not larger than platoons at 200 yards distance.
5. One man per Lewis gun team of 34th Inf. Bde units will proceed to the line 24 hours before the relief takes place, and will live with the Lewis gun team to be relieved by his team.
6. All other details of the relief, including arrangements for guides will be arranged between officers commanding Units concerned.
7. Separate instructions are being issued as to relief of tunnel wardens attached to the 3rd Australian Tunnelling Coy. The mining platoon and the Infantry attached to the 68th Field Coy. R.E. will remain with that Field Coy.

8. All Defence Schemes (Brigade, Battalion & Company), Documents relating to the area, Aeroplane Photographs, Intelligence and Disposition Maps, details of Work in hand including work on Anti-gas Defences, and all orders regarding Gas Cylinders and Projectors, will be handed over, and receipts obtained. Copies of these receipts will be forwarded to this office by 4th May.
9. Administrative Instructions will be issued separately by the Staff Captain.
10. Completion of all reliefs will be wired to Brigade H.Q. in B.A.B.Code.
11. 33rd Inf. Bde H.Q. will close at MAZINGARBE on completion of relief, when command of the HULLUCH Section will pass to G.O.C. 34th Infantry Brigade, and open at BRACQUEMONT on arrival.
12. ACKNOWLEDGE.

Issued to Signals at 8.0 p.m.

James Howes

Major.
Brigade Major.
33rd Infantry Brigade.

Distribution:-

Copy No. 1 B.G.C.	16 Hulluch Group R.F.A.
2 B.M.	17 35th Field Ambulance.
3 Staff Capt.	18 D.T.M.O.
4 Int. Officer.	19 11th Division.
5 Bde Signal Pffr.	20 8th Can. Inf. Bde.
6 Bde Transport Offr.	21 32nd Inf. Bde.
7 War Diary.	22 34th Inf. Bde.
8 File.	23 T. Major Mazingarbe.
9 6th Lincoln R.	24 Sub Area Cndt Bracquemont.
10 7th S. Staff. R.	25 T. Major HERSDN.
11 9th Sh. Fors.	26 C. Special Coy. R.E.
12 33rd I.T.M. Bty.	27 K. do
13 No. 3 Co. 11/Div. Train.	28 P. do
14 C. Coy. 11/Bn. M.G.C.	29 Z. do
15 68th Field Coy. R.E.	✓ 30 3rd Australian Tun: Coy.



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Appendix XLIX

SECRET. 11th. Division Intelligence Summary No. 100.
For period ending 6 p.m. April 29th. 1918.
NOT TO BE TAKEN BEYOND BATTALION HEADQUARTERS.

1. OUR OWN OPERATIONS. (a) Snipers claim hits at G.6.a.4.f and H.1.a.9.d.
(b) Field Artillery successfully engaged individual movement and working parties throughout the day. 4.5" Hows. carried out special retaliatory fire on HULLUCH TRENCH in reply to the hostile bombardment of VENDIN ALLEY and RESERVE LINE. Night harassing fire was also carried out.
(c) Machine guns fired 12,000 rounds harassing fire.
(d) Stokes Mortars fired on enemy posts, M.G. and T.M. emplacements and also light railway in G.6.c. Medium T.M.'s expended 38 rounds in wire cutting and neutralisation.
2. ENEMY OPERATIONS. (a) Artillery activity was normal. The RESERVE LINE of the Right Section, POSEN ALLEY and VENDIN ALLEY were intermittently bombarded by 10.5 cm. Hows. Bursts of fire were directed on several areas in the ST. ELIE Section including VERMELLES and PHILOSOPHE, G.18.a. and c., G.12.c. and d., and CORONS DE RUTOIRE. A little gas is reported at the latter locality.
(b) The enemy was seen firing an M.G. over the parapet at H.13.a.7.e. A gun on the Dump fired on the HULLUCH ROAD during the night.
(c) Trench Mortars were quiet during the period.
3. MOVEMENT. A motor lorry was seen proceeding towards the dump on the road in A.29.d. Six cyclists wearing full pack were seen on the same road going towards HAINES. There was abnormal individual movement along and in GANDER TRENCH principally in the direction of HAINES, but only two men were full marching order.

4. PATROLS.....

To 2nd. Inf. Coy
In information



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- 2 -

4. PATROLS. 4 patrols were out during the night. One of these entered the enemy's front line at H.13.c.6.1 and descended a shaft at H.13.c.65.30 which split up into two, 15 feet down. Two notice boards were brought back and one of the enemy was chased down the shaft as far as the junction. The boards bore the inscription "Galerie nach Adler" (passage to eagle) and "Galerie nach Gans 'Wasser'" (passage to Goose, "Water"). The same patrol found front line wired along the parapet as well as along the parapet. Posts 15 and 16 (H.13) found unoccupied. Sentry seen at post 17 (H.13.c.6.5). Patrol attempted to rush this post but it was wired in and the enemy threw bombs from the support line. As the enemy were advancing in force the patrol withdrew covered by a Lewis Gun which fired on the enemy, several of whom were seen to fall, and his casualties are estimated at, at least 10. Our patrol reached our lines with no casualties.

Another patrol found Post 13 in H.19 occupied but were unable to rush the post as the inner belt of wire was too thick. Bombs were thrown and shouting heard.

A patrol reconnoitred the enemy front line at G.12.a.35.15 and report odd Very Lights fired from about G.12.a.25.38.

5. ENEMY AIRCRAFT.

Enemy aircraft were rather more active than usual. An E.A. flew fairly low over PHILOSOPHE at 8 a.m. and at 7.10 a.m. another flew low over our lines in the HULLUCH Section. At 9.30 p.m. a plane flew over G.11.d. and dropped two red lights, but no action followed. Several others crossed our lines during the day.

H. J. Cohen s/lt
for Captain,

General Staff, 11th. Division.

HEADQUARTERS,
38th INFANTRY BDE.
No. 19/15
DIS. 356
RET.

Additional Report on Shaft at about H.13.c.60.35.
reported in Patrol Report, 29/4/18.

The shaft was found in the German Front Line, a few yards S. of HENDON ALLEY. For about 45^{ft} the shaft runs fairly steeply W. under "No Mans Land". There are wooden steps, in some cases broken. About 40 yards along the shaft, there is a branch shaft leading approx. N. The unbroken board was taken from here.

A few yards further on a shaft branches off approx. S. The broken board was taken from here.

The main shaft continues west at a gentle slope. On the floor run a pair of wooden boards, (probably rails) on which trucks had been used.

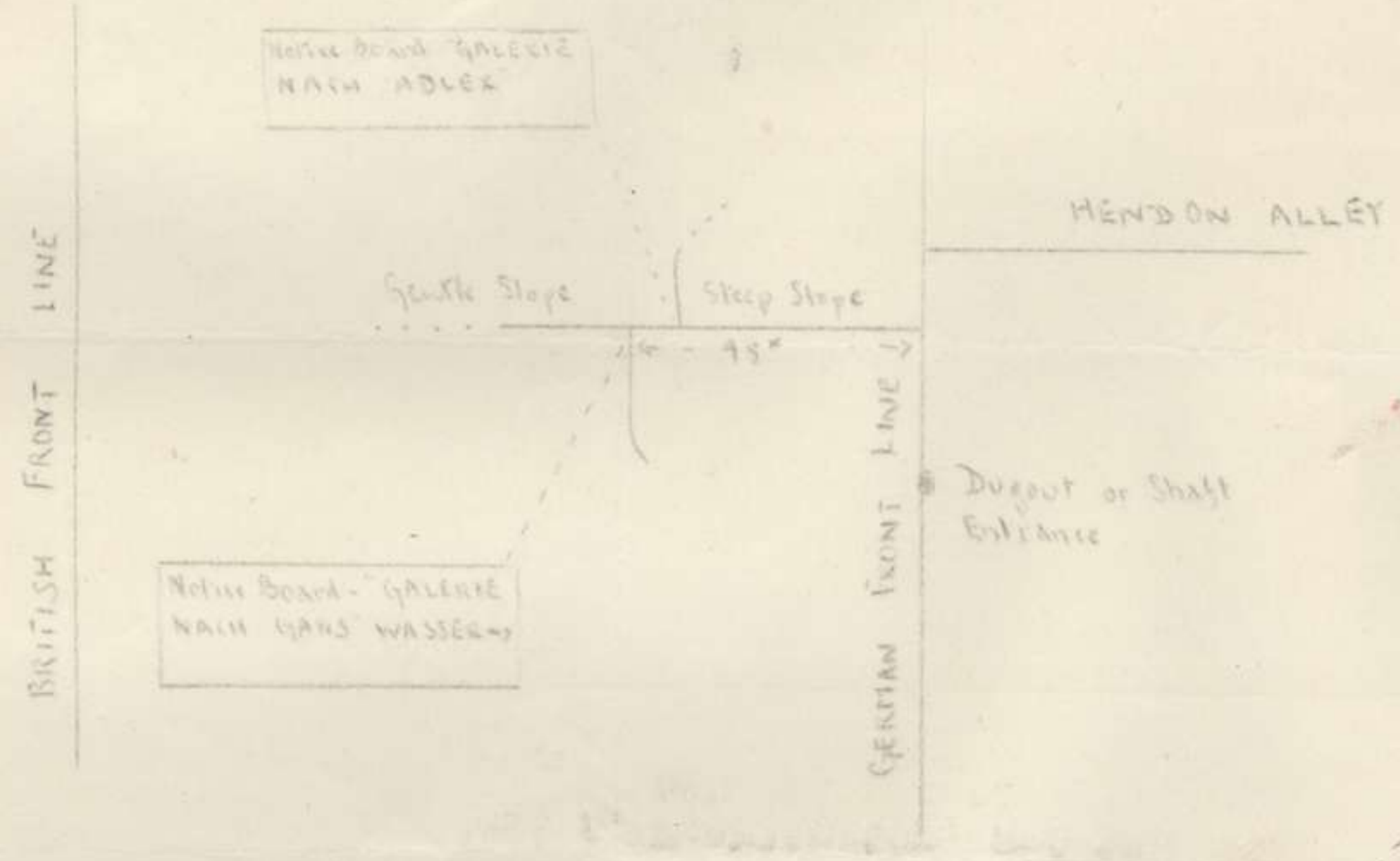
A dugout was seen about 20 yards down from the entrance. This was on the south side of the shaft. No new chalk or earth was observed.

The shaft did not appear to be greatly used, and appeared to be old work. A Gas Bell was brought back from the entrance of the shaft.

A tin full of urine was seen in the dugout, also old shavings and a brazier.

(sd) S. Pocklington, 2nd Lt.
6th Bn. Lincoln Regiment.

Copy of sketch forwarded in above report



2 copies to H. R. ...
1 copy to ...

Sent to CO. 3rd Aust. Trench Coy.
for information

Forwarded for information
J. L. Keenan
Int. Officer
38th Inf Bde

20.4.18.

356

3rd Canadian Division.
G.734/8



3rd Australian Tunnelling Coy.

Reference your A.M.2/90 of to-day's date.

The 225 men mentioned in your letter have been allotted to us by Canadian Corps for tactical purposes, and until we receive notification from Canadian Corps to the contrary we will consider them available as laid down in 3rd Canadian Division G.734/2 of 16th inst.

The Canadian Corps, however, are being written to on this subject.

C. F. B. Gray
for Lieut-Col.,
General Staff,
3rd Canadian Division.

29-4-18.

Copy.

SECRET.

Appendix L.
A.M.2/90.

General Staff,
3rd Canadian Division/

Reference your G.734/2 dated 16/4/18 para.2.(d).

The 225 men mentioned are now in 1 Corps Area and 1 Corps Instructions are that they garrison portion of NOEUX les MINES locality in L.21.b. in event of an enemy attack.

Will you, therefore, please cancel the paragraph referred to.

(Sd) Alex. Sanderson.

Major,
O.C., 3rd Australian Tunnelling Company.

29/4/18.

Date.

IN WITNESS WHEREOF I have hereunto set my hand this
day of..... A.D. 191.....

.....(Signature).

Signed by the said Testator as his last Will and Testament the same
having been read over and explained to him, in the presence of us
both present at the same time who at his request and in his presence
and in the presence of each other have subscribed our names
as witnesses.

ations
tialled
or and
WITNESS.

Signature of Witness.....

Address and Occupation.....

WITNESS.

Signature of Witness.....

Address and Occupation.....

N.B.-Personal Estate includes Pay, Effects, Money in Bank,
Insurance Policy, in fact everything except Real Estate.

81-4-18

NOTARIAL DISTRICT

General Office

Loc-Street

Witness to this subject

the following names, names, etc. etc.

of this date

Witness to this subject

the following names, names, etc. etc.

of this date

Witness to this subject

Witness to this subject

NOTARIAL DISTRICT

G.S.O. 2

11th Division

This is the document
you wished to see

Will you please
return after perusal.

29/4/18. Alex. Sanderson
Major
D.C. 3rd Aust. Inf. Coy

50
31st Aust. Inf. Coy.

Many thanks

A. B. Simpson
Esq.

29/4/18
A. B. Simpson



CANADIAN CORPS
G.128/21-7
30th April, 1918.

356
3rd Canadian Division

In reply to your G.734/9 of the 29th inst.

The general ruling regarding troops attached to Divisions is that these troops will be tactically employed in case of necessity by the Division to whom they are attached, irrespective of where they are billeted. As regards the 3rd Australian Tunnelling Company, one section will consequently remain under your *tactical* control.

(Sgd) W.R. Bertram, Lt.-Col.,
for B.G., G.S.,
Canadian Corps.

- 2 -

3rd Canadian Division
G.734/10

3rd Aus. Tunl. Co.

For your information, with reference to your A.M.2/90 of 29:4:18 and in continuation of 3rd Cdn.Div. G.734/8 of same date.

J. F. B. Gray
for Lieut.-Colonel,
General Staff,
3rd Canadian Division.

30:4:18.

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SECRET.

3rd Canadian Division.
G.734/2

- 7th Canadian Inf. Bde.
- 8th Canadian Inf. Bde.
- 9th Canadian Inf. Bde.
- C.R.A.
- C.R.E.
- D.M.G.C.
- 123rd Can. Pioneer Bn.
- A. & Q.
- Signals.
- A.D.M.S.
- 11th Tank Bn.
- Major Bunker, C.S.O., R.E. (Sains on Gohelle).
- 3rd Australian Tunnelling Coy.
- Town Major:-
 - LES HREBIS.
 - BULLY GRENAY.
 - MAROC.
 - GARENCEY.
 - ABLAIN ST. NAZAIRE.
- Canadian Corps (for information).

ACTION OF TROOPS IN DIVISIONAL RESERVE.

- 1.(a) In continuation of this Office letter No.734 of 12-4-18, the following additional troops shown in para. 2 are located in the Divisional area.
- (b) In case of attack these Units will be ordered to Stand To and will be ready to move at ½ hour's notice to positions shown in para. 3.
- 2.(a) P, K, Z and No.4 Special Coys. R.E. will be known as BULLY GRENAY GROUP - Commander Capt. WIGHT.

Company.	Location.	O.C., Coy.	O. O.R.		U.S.A. attached		TOTAL.	
					O.	O.R.		
"P"	R.5.c.4.6.	Capt. F.H. GEAKE.	7	120	-	-	7	120
"K"	R.5.d.0.2.	Capt. H.R. WIGHT, M.C.	0	238/			0	238/
"Z"	L.35.d.4.4.	Capt. J. BANSALL, M.C.	7	170	1	21	8	199
No.4 (less 2 Sections)	M.2.c.6.4. (36.c.)	Lieut. J. THOMPSON.	8	112	-	-	8	112
TOTAL			30	648	1	21	31	669

/ Including Americans.

2.(b) B, O and L Special Coys. R.E. will be known as the SAINS on COHELLE GROUP - Commander Capt. BRUCE.

Company.	Location.	O.C., Company.	O. O.R.		U.S.A. attached		TOTAL	
					O. O.R.	O. O.R.	O. O.R.	O. O.R.
"B"	R.7.a.6.4.	Capt. A.T. SUMNER.	5	167	-	-	5	167
"L"	R.2.d.6.3.	Capt. R. BRUCE.	3	115	1	20	4	135
"O"	R.2.e.4.7.	Capt. W. WRIGHT-HADLEY.	6	150	-	-	6	150
TOTAL			14	432	1	20	15	452

(c) G, J, Q and 2 Sections No.4 Special Coys. R.E. will be known as RUITZ GROUP.

Commander

Strength (each Coy. about 250) = 750

H.Q. and Billets at RUITZ.

(d) 3rd Australian Tunnelling Coy. billeted at BRACQUEMONT.

O.C., Major A. SANDERSON.

Strength 225.

NOTE:- This does not include 25 men at HILL 70 and 25 at LOOS.

(e) Town Major's Party BULLY GRENAY and MAROC (includes Salvage Coy.)

Strength

(f) Town Major's Party LES BRESIS.

Strength

(g) Town Major's Party CARENCY and ABLAIN ST. MAZAIRE.

Strength

(h) "P" Special Coy. R.E. - Strength
No.3 Special Coy. R.E. - Strength

Not yet arrived in area.

(i) Six Tanks of 11th Tank Battalion.

O.C., Capt. HARGREAVES.

H.Q., SOUCHEZ S.2.e.5.0 (about).

Memo. 3rd Com. Div. have been asked to cancel this para. A.S. 27/4/18.

Note:- 150 fighting men available. I Corps instructions are that there would Garrison in L 21 b. in an enemy locality. A.S. 27/4/18.

3. On receipt of the order from Divisional Headquarters to "Move to Assembly Positions", Units will move as follows:-

- (a) (i) The BULLY GRENAY GROUP to assemble on the MAISTRE Line (M.8.a.& c.). A representative to report to Division advanced Report Centre at EDGEWART POST (M.9.d.5.5.) for further orders.
- (ii) This Group may be ordered subsequently to man any part of the RIDGE-VILLAGE Line between CITE de CORNAILLES (M.21.central) and PICCADILLY POST (M.3.b.). If sufficient troops are not available to occupy the portion of the line allotted, the following points will be occupied:
- CRANBERRY POST.
CRAB POST.
RAILWAY POST.
HORTON POST.
EDGEWART POST.

or (iii) To man the MAISTRE Line between R.17.b.9.0. and the Railway at M.8.a.6.3.

(iv) In the event of move vide 3 (a) (ii) above, the Group will probably be put under orders of G.O.C., 9th Canadian Inf. Bde.

- (b) (i) The SAINS en GOHELLE GROUP. To assemble at AMBER POST (M.26.d.). A representative to report to G.O.C., 7th Canadian Inf. Bde. at KING'S CROSS (S.8.d.) for further orders.

This group will probably be put under orders of G.O.C., 7th Canadian Inf. Bde. and may be used either--

(ii) To man RIDGE-VILLAGE LINE from Plank Road (S.15.central) - SOUCHEZ RIVER (S.2.d.).

or (iii) To man RIDGE-VILLAGE LINE from SOUCHEZ RIVER (S.2.d.) - AMBER POST (M.26.d.).

or (iv) To man the RIDGE-VILLAGE LINE from AMBER POST (M.26.d.) - CITE de CORNAILLES (M.21.central).

- (v) To man the VIMY-LIEVIN (BROWN) Line at any point between S.11.a.O.O. and CRANBERRY POST (M.21.b.9.2.). If sufficient troops are not available to man the portion of the line allotted, the following points will be occupied:

ARTHUR'S SEAT.
BRICK STACK POST.
CEMETERY POST.
PAMELA POST.
CABARET POST.

NOTE:- The distance from SAINS on COHELLE to AMBER POST is about 8,000 yards (say 4 miles). The Group could not be expected to arrive in less than 2 - 3 hours from time of issue of orders.

(c) RUITZ GROUP.

- (i) To move to SAINS on COHELLE and report to Divisional Headquarters for orders.
- (ii) This Group may subsequently be moved forward to take the place of either of the BULLY GREY or SAINS on COHELLE Groups and to occupy positions as allotted to those Groups in para. 3(a) and (b) above.
- (iii) The distance from RUITZ - SAINS on COHELLE is about 5 miles - say 2 - 3 hours march.

(d) The 3rd Australian Tunnelling Coy.

- (i) To assemble in the GREY - VERMELLES Line in G.26.c. and to send a representative to report to G.O.C. 8th Canadian Inf.Bde. at PREVITE CASTLE (G.26.central).
- (ii) This Company would probably be subsequently put under orders of G.O.C., 8th Canadian Inf.Bde. They may be employed anywhere on or in rear of the RIDGE-VILLAGE Line.
- (iii) The distance from BRACQUEMONT to Assembly Position is about 8,000 yds. (say 4 miles). The Company could not be expected to arrive until about 2 - 3 hours after issue of order.

(e) The Town Major's Party BULLY GREY and MAROC.

To assemble in BULLY locality (MAISTRE LINE) R.18.b. and R.11.d. O.C. to remain on the telephone at BULLY GREY and report to Divl. Headquarters by Phone for further orders.

(f) Town Major's Party LES BREBIS.

To assemble in GREY - NOYELLES Line at WELLINGTON KEEP G.25.b. O.C. to stay on the telephone at LES BREBIS and Phone Divl. Headquarters for further orders.

(g) Town Major's Parties in CARENCY and ABLAIN ST.NAZAIRE.

To assemble in vicinity of their respective Villages and await further orders.

(h) TANKS The six Tanks are located as follows :-

S.3.a.2.8.
M.33.c.1.3.
M.32.central.
M.26.d.4.3.
M.26.central.
S.2.b.8.3. (reserve Tank)

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~~109~~

The fire of these Tanks can cover the whole of the ground from the BOIS DE GIVENCHY to M.20.d.central.

- 4. It is possible that the number of Special Coys. actually in rear billets at any time may not be exactly as shown, portions of these Units may be working in forward area.

- 5. All Troops of above Units, therefore, who are at the commencement of attack East of the RIDGE-VILLAGE Line will report themselves to the nearest Battalion or Brigade Commander and will come under orders of that Commander.

5. COMMAND.

Major BUNKER, C.S.C., R.E., 3rd Army, at present attached to 3rd Canadian Division, will be in command of all Special Coys. R.E. and all orders to these Units will be issued through him.

6. RECONNAISSANCE.

All Units mentioned above will reconnoitre :-

- (a) The Assembly Positions allotted to them.
- (b) The Trenches mentioned ^{in para 3} which they might have to man.

The RUITZ GROUP will send Officers to reconnoitre all lines suggested for the BULLY GREY and SAINS on COHELIE GROUPS.

7. RATIONS & AMMUNITION.

All Units when moving to Assembly Positions will carry with them the unexpended portion of the day's rations, their Iron Rations, and emergency Rations for 24 hours.

All Units will carry on the man 170 rounds S.A.A. and will take forward 100 rounds per man of Reserve S.A.A. in boxes.

8. MAPS.

"I" Branch, 3rd Canadian Division, will arrange to provide any Maps necessary for Special Coys. R.E.

- 9. Completion of all moves to Assembly Positions will be reported by Phone or Priority Wire to Divl. Headquarters and to the Brigade Headquarters concerned.

Please acknowledge.

W. J. ...
 Lieut-Col.,
 General Staff,
 3rd Canadian Division.

16-4-18.

ADMINISTRATIVE HEADQUARTERS,

AM184

GS.

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AUSTRALIAN IMPERIAL FORCE,

130, HORSEFERRY ROAD,
WESTMINSTER LONDON. S.W. 1.

114.
Appendix 52

TELEGRAPHIC ADDRESS:
"ADMINAUST, LONDON."

CABLE ADDRESS:
"ADMINAUST, LONDON."

TELEPHONES (10 LINES)
VICTORIA 8860.

REPLY COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMMANDANT.

IN REPLY QUOTE AD.G.210.

1st. April......191 8

19285
Commanding Officer,
3rd. Tunnelling Company,
A. I. F. FRANCE.

No.1062. Spr. Kirwan. J. 3rd.Tun.Co.

Re our G.4539. 19/3/18.

Spr. Kirwan reported at these Headquarters on the 31st.ult, having missed his train. He was instructed to report to the R.T.O. Victoria Station, 7.30.a.m. on the 1st.inst., to proceed overseas to rejoin his Unit .

His lateness was not excused.

[Handwritten signature]
CAPTAIN.
D.A.A.G.

AUSTRALIAN IMPERIAL FORCE,

115

130, HORSEFERRY ROAD,
WESTMINSTER LONDON, S.W. 1.

Appendix 53.

PW.

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TELEGRAPHIC ADDRESS:
"ADMINAUST, LONDON."

CABLE ADDRESS:
"ADMINAUST, LONDON."

TELEPHONES (10 LINES)
VICTORIA 8860.

REPLY COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMMANDANT.

IN REPLY QUOTE 'A.C. 2115/1/19.

3rd April, 1918.

C.O.,
3rd Tunns. A.I.F.
B.E.F., France.

5005 SPR. GOVER, J.

Please expedite a reply to our memo of the 1st March re the above named soldier of your Command:-

"The above named soldier of your Command was this afternoon paraded before the O.C. Australian Troops in London, for A.W.L. from 21.2.18 until 3 p.m. on 28.2.18, and was remanded for you to deal with him, if you so desire. He will be released without prejudice after being put on board the train for France to-morrow morning. Please notify this office what action has been taken."

28 days Pay
27 " under R.V.

ack
am. 1/9³⁵
3/4/18. 180.

C. H. D. King
Brig-General.
COMMANDANT.



SECRET

Appendix 54

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C.E., I Corps No. 2968

0.5.6
O.C., 170th Tunn. Coy., R.E.
O.C., 3rd Australian Tunn. Coy. ✓

The enclosed Map shews the road or bridge demolition charges which are being prepared in the I Corps area.

You will be in charge of the RIGHT/~~LEFT~~ SECTION for inspection and firing when necessary.

Six men should be told off as maintenance party to patrol these charges and act as guides when required. All your Officers will acquaint themselves with the location and nature of each charge.

On receipt of order from I Corps "Stand by to demolish roads and bridges", you will detail two men to proceed to each site, and two Officers each to take charge of a group of charges.

If time permits, orders will be issued from Corps H.Q. to Company H.W. concerned to fire any or all of the charges, but failing the receipt of definite orders the Officer in charge of each group - or in the event of his becoming a casualty the next senior - will be responsible for firing the charges at the last possible moment, after consultation with the Senior Infantry or Artillery Officer on the spot, or with the nearest Brigadier if time permits.

In order to safeguard Commanders who have guns or transport forward of these charges, a red flag will be erected as soon as the charge is ready to fire in a conspicuous place near the site. Commanders will then be able to notify the men in charge if any delay in firing is required.

The ruling principle to be impressed on all concerned is that firing should be delayed till the last possible moment, or until further delay is ~~made~~ rendered impossible by the presence of the enemy.

Should any further charges be prepared, they should be added to the Map, and this Office notified of the map reference.

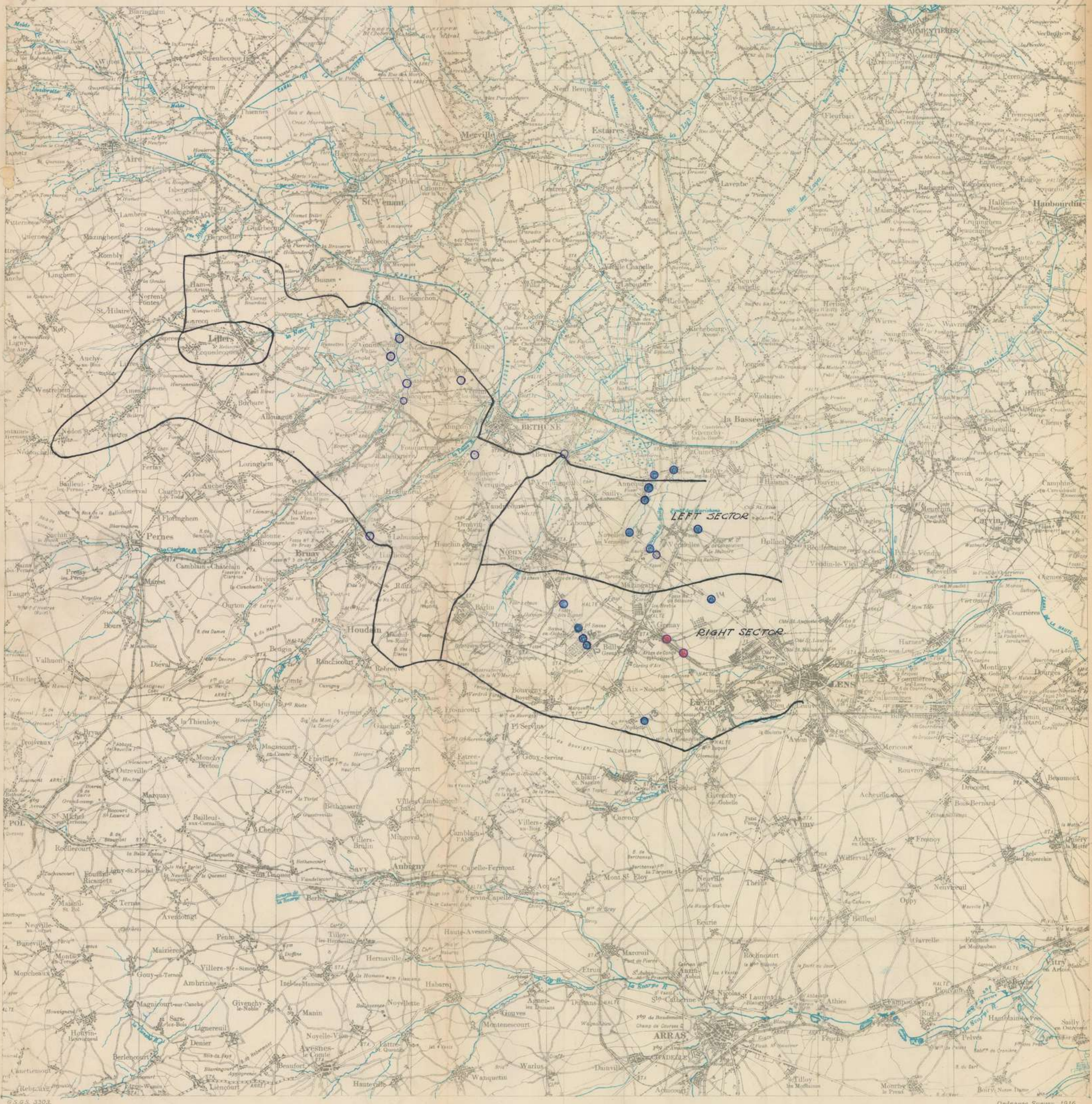
Detailed instructions should be got out for each party, and a copy kept on the site of each charge shewing the exact method of firing.

Acknowledge receipt ✓

R.P.C.

J.W. Gordon
Brigadier General,
Chief Engineer, I Corps.

4.4.18.

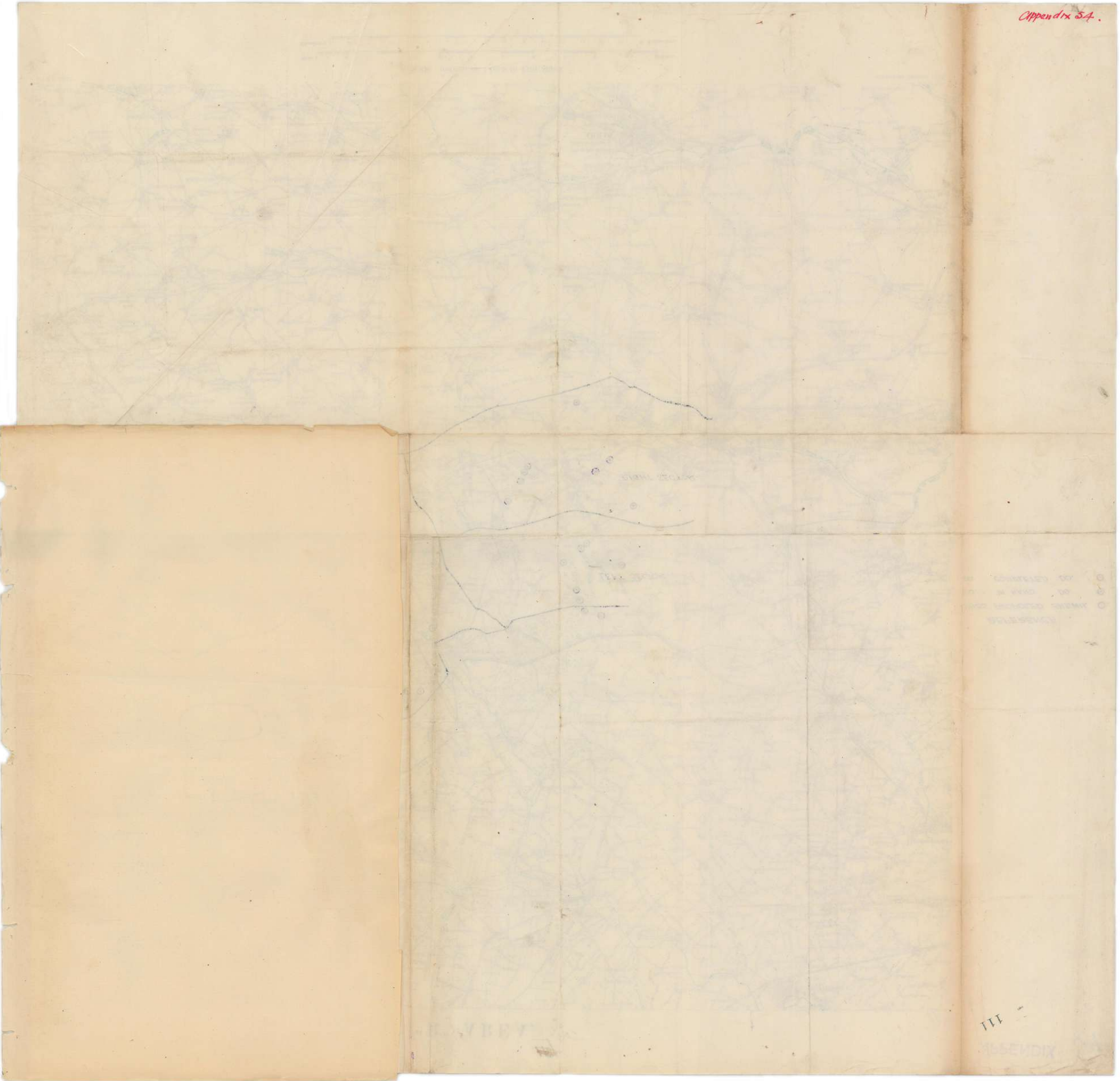


REFERENCE
 MINES PROPOSED SHOWN. ○
 DO. IN HAND DO. ●
 DO. COMPLETED DO. ●

Scale 100000 or 1 inch to 1.58 Miles



Ordnance Survey, 1916



APPENDIX

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SECRET.

138th. Inf. Bde.
No. G.362/1.

O.C. 5th. Lincs.
4th. Leics.
5th. Leics.
138th. T.M. Bty.
'D' Coy. 46th. M.G.Bn.
3rd. Aus. Tunn. Coy. R.E.
465th. Fd. Coy. R.E.
Town Major, LOOS.
Staff Captain.

H.Q. 139th. Inf. Bde.)
33rd. Inf. Bde.)
11th. Division.)
O.C. HILL 70 Group, R.F.A.) For information.
91st. Bde. R.G.A.)
D.F.M.O. 46th. Division.)

Herewith 1 Copy of 138th. Infantry Brigade
Preliminary Defence Scheme for the HILL 70 Section.

Please acknowledge.

[Handwritten signature]
4/4/18

Captain,
Brigade Major, 138th. Infantry Brigade.

5th. April 1918.

3rd Aust. Tunnelling Coy

See pages 3, 4, & 5

138th. INFANTRY BRIGADE.
-----PRELIMINARY DEFENCE SCHEME , HILL 70 SECTION.
-----GENERAL.

1. The Policy in the present line is a defensive policy, with continuous activity in the way of patrolling and raids.
2. Identifications of the enemy are particularly important at the present time, and every opportunity must be taken to secure prisoners by means of bold and active patrols and raids. Patrolling should be particularly active just before dawn.
3. HILL 70 is a most important tactical feature and must be held at all costs.
4. Battalion Commanders will be entirely responsible for the Defence of their Sub-section.
They will pay particular attention to :-
 - (i) The wiring and maintenance of the Front Line system.
 - (ii) The wiring and maintenance of the RESERVE or BLUE Line, and the Communication Trenches leading to the front line.

DEFENSIVE LINES.

1. The Defensive Lines in the Brigade Area are :-
 - (a). The Front Line.

This consists of a series of posts, well wired and connected up by a continuous trench, which will be continuously patrolled night and day.
By day only those posts that are necessary for complete observation over the German Line will be occupied. By night the posts will be occupied in strength, as at present.
Evacuation will take place in the morning at 'Stand to' and re-occupation at 'Stand down' at night.
The position of these posts, both by day and night are to be varied as much as possible, to make the enemy believe that the line is strongly held. During the day, when the posts are thinned out, periscopes should be left in their usual places for the purpose of deceiving the enemy.
 - (b). The BLUE or Main Line of Resistance.

This consists of a continuous trench well wired and fire-stepped at intervals.
 - (c). The RED or Support Line.

This trench runs across the Whole Brigade section in a North Westerly direction, starting from N.A.b., continuing in front of LOOS, joining GUN Trench G.35.b. and thence along GUN Trench to Brigade Boundary. This Line is in a bad condition.
LOOS Village immediately in rear of the RED Line is defended by Keeps A., B., C., D., and E., which are not permanently garrisoned.

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SYSTEM OF DEFENCE.

The general System of Defence is to hold the Front Line as an outpost and observation line and to make the BLUE Line the main line of Defence and to hold it to the last.

DISPOSITIONS.

RIGHT SUB-SECTION (1 Battalion).

- Observation Posts in Front Line.
- 2½ Platoons in NELSON TRENCH.
- 1 Company in HYTHE TUNNEL.
- Remainder in or behind RESERVE LINE.

By night the Front Line will be occupied in strength.

Battalion Headquarters at H.31.d.10.30.

LEFT SUB-SECTION (1 Battalion).

- Observation Posts in Front Line.
- Remainder of Battalion in or behind RESERVE Line.

By night the Front Line will be occupied in strength.

Battalion Headquarters at G.30.d.82.18.

BRIGADE RESERVE. (1 Battalion).

- | | | | | |
|------------|---|-----------------|---|----------------------------|
| 1 Company | - | HARTS CRATER. | } | Right Sub-section Reserve. |
| 1 Company. | - | HARRISON CRATER | | |
| 1 Company | - | TOSH ALLEY. | } | Left Sub-section Reserve. |
| 1 Company | - | VILLAGE LINE. | | |

Battalion Headquarters in VILLAGE LINE - G.29.a.20.70.

Each Front Line Battalion will detail 1 Platoon to be used for Counter-attack on Front Line posts.

The garrison of the BLUE Line, except the Platoon mentioned above will not be used for counter-attack on the front line posts.

In the event of an attack on the Right Sub-section the Company in HYTHE TUNNEL will withdraw to the RESERVE LINE under instructions to be issued by the Battalion Commander holding the Right Sub-section. Care will be taken that on the withdrawal of this Company to the BLUE LINE the Tunnel and its entrances are blocked.

The Battalion in Brigade Reserve will not move without orders from the Brigade Commander. When Companies are ordered to move they will, in every case leave behind 1 Platoon as permanent nucleus garrison, which will remain until relieved by troops coming up from the rear. On relief they will move forward and join their respective Companies.

In case of a break-through by the enemy on the Left Flank of the Brigade, the Battalion in Brigade Reserve must be prepared to form a Defensive Flank along CHALK PIT ALLEY - TRIANGLE POST.

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Appendix 55/2/

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d. 3rd. AUSTRALIAN TUNNELLING CO. R.E.

The relief of No.3 Section, 3rd. Australian Tunnelling Coy. working in HYTHE TUNNEL will actively assist in the Defence of the Tunnel, and in fighting from the Exits. Two men will immediately stand to at the block between E and F Exits to defend the forward entrance to the Tunnel between A and E exits, and at the back between B and C exits. The balance of the relief will be employed to reinforce where necessary, and to keep up constant communication between the parties. The Officer or Senior N.C.O. in charge of the relief will report to the Battalion Commander, Right Sub-sector, for further orders.

The two reliefs of No.3 Section, 3rd. Australian Tunnelling Coy. in billets at G.36.d.40.60. will immediately move and garrison 'C' Keep of LOOS Defences. The Officer or Senior N.C.O. in charge will report to the Company Commander in TOSH ALLEY for further orders.

All Officers and N.C.Os. of No.3 Section, 3rd. Australian Tunnelling Company must immediately make themselves thoroughly acquainted with the positions mentioned.

e. The Town Major of LOOS and personnel will man Keep 'D', the Officer reporting to O.C. Company in TOSH ALLEY.

f. Personnel of the 485th. Field Company R.E. who happen to be in the forward area will report at once to the nearest Infantry Officer. Personnel in the VILLAGE Line will 'Stand to Arms' and an Officer will report to Brigade Headquarters, for instructions.

g. The Company of the 1st. MONMOUTH Pioneer Battalion, working on the RED LINE will man the piece of line in which they are working, and will report to O.C. Company in HARTS CRATER for orders.

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138th. Inf. Bde.
No. 500/12/G.

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TUNNEL ORDERS.

The Battalion Commander, Right Sub-sector will be entirely responsible for the portion of HYTHE TUNNEL occupied by one of his Companies.

He will see that -

- (a) It is kept scrupulously clean.
- (b) That sentries with their reliefs are posted at forward entrances.
- (c) Each Tunnel entrance is provided with 2 blanket curtains or doors.
- (d) The Tunnel System is divided into areas by gas blankets or doors at each main junction.
- (e) Gas Blankets must be inspected daily and kept moist by Battalion and Company Gas N.C.Os.
- (f) Practice Gas Alarms are carried out periodically.
- (g) Fires are kept ready laid in braziers at the foot of each staircase.
- (h) Strombos Horns are kept at, or near, all forward exits.
- (j) Gas blankets are kept permanently down in shafts out of use (These must not be neglected).
- (k) Nothing is placed on or near blanket or door which will prevent its being quickly adjusted.
- (l) Plugs are always kept close to all ventilating shafts.
- (m) No telephone wires pass through the inside of a blanket frame.
- (n) Officers and men of other Units in their sector are warned in case of Gas.

FIRES. No fires are allowed in the Tunnels, except by special permission, or the lighting of Braziers in the case of a Gas Alarm.

PRACTICE ALARMS. These must be practiced at least once every tour.

LATRINES. Battalion and Company Commanders are responsible that all Tunnels and dugouts are kept scrupulously clean. No Latrines, except Urine buckets, are to be permitted. CRESOL, and not Chloride of Lime, is to be used for disinfecting purposes. The Exit steps must be kept free from Mud.

TRAFFIC CONTROL/-



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- 2 -

TRAFFIC CONTROL. Arrangements will be made by Battalion and
----- Company Commanders for traffic control, and for the
prevention of straggling in case of attack.

TRENCH MORTAR AMMUNITION. No Trench Mortar Ammunition is to be
----- stored in Tunnel entrances, or Tunnels.
Special recesses will be made in the sides of the stairs leading
to emplacements.

The above orders are in addition to any rules laid down by the
3rd. Australian Tunnelling Company.

Sentries For Tunnel entrance in HYTHE ALLEY will be found by
Right Battalion as desired by O.C. 3rd. Australian Tunnelling
Company.

SECRET

Appendix 56

GENERAL INSTRUCTIONS re ROAD & CULVERT DEMOLITIONS

1. All Road Mine entrances are to be given a distinctive sign about 15"x 10", marked as follows:-



(White characters on Red background)

2. In all galleries which are sufficiently dry to allow immediate charging, the explosive (in tins) is to be tamped with 4 feet of good clay tamping. Primers will not be inserted into the charge.

3. Extra tamping will be placed at the entrance for use should circumstances allow.

4. In the gallery and wholly outside this tamping, there will be available, in a dry and secure place:-

- (a) Fuse (5 mins.) detonators and primer, made up for immediate use.
- (b) Mobile charge, R.E. Workshop pattern, (20 lbs) with 5 minutes time fuse.

5. An Oldham accumulator lamp will also be available in each gallery.

6. Entrances will be boarded up, to prevent unauthorised entry, without causing serious delay in breaking open upon emergency.

7. In the few cases where mines are in pairs so close that the firing of one mine would be liable to destroy the other, all requirements for electrical firing from a safe distance will be actually available in the gallery.

8. Charges in borehole mines will not be laid until actually required. The cylinders should be stored near at hand.

SECRET

Appendix 56

C.M. First Army 1256.

C.E., I Corps No. 2968

C.E., I Corps.

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Herewith some draft instructions which it is suggested should be followed in the preparation of all road and culvert demolitions.

These methods are already being ~~followed~~ employed by Tunnelling Companies in most cases, but, if standardised and ordered by Corps, the conditions will be more widely and readily made known to the Units ordered to effect the demolitions.

If you approve, could these instructions be issued to formations and units concerned in connection with Corps orders as to demolitions.

5th April, 1918.

(sgd) R. STOKES, Lt. Col., R.E.
Controller of Mines, First Army.

- 2 -

O.C., 170th T. Coy., R.E.

O.C., 3rd Australian T. Coy. ✓

The attached instructions are passed to you for information and necessary action, please.

Completion report of each Road Mine should be submitted to this Office on attached pro-forma.

6.4.18.

[Signature]
Captain, R.E.
S.O., R.E., I Corps.

APPENDIX

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SECRET

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R O A D D E M O L I T I O N S

R E C O R D O F C O M P L E T E D M I N E S .

This Report is to be forwarded to C.E.Corps (2 copies) and Controller of Mines upon completion of charging. For mines not to be immediately charged, owing to water, shortage of explosives or rear situation, send report on completion of gallery or borehole with note of "proposed charge"

Reference No.

Map reference.

Locality.

Form of Mine.

Charge laid (or proposed) lbs. of

Depth to centre of charge.

Tamping and Firing
Arrangements.

Sketch, shewing entrance.

Date.....

O.C., Tunnelling Coy., R.E.

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Appendix 57.

C.R.E., Corps Troops No. 651/1

- O.C., 560 (Hants) A.T.Coy., R.E.,
- 10 Foreway Coy., R.E.,
- 170 Tunnelling Coy., R.E.,
- 3rd Australian (T) Coy., A.E.,
- 148 A.T.Coy., R.E.,
- 2nd Tramway Coy., C.E.,
- 1st A.T.Coy., C.E.

COMMANDING ROYAL ENGINEER, I CORPS.
No.
Date

I Corps Instructions No. 17 re Anti-Aircraft Defences dated 3/4/18, is forwarded for information.

Only para. 1 is applicable to your unit, and you will use your discretion as to opening fire.

H. Morgan
Capt RE

H Lieut. Colonel, R.E.,
C.R.E., Corps Troops.

7/4/18.

SECRET.

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I CORPS INSTRUCTIONS NO.17.
-----ANTI-AIRCRAFT DEFENCE.

1. The Commander of every Field Unit wherever situated, will be responsible at all times for the defence of his Unit against enemy aircraft below 3,000 feet.
2. Anti-Aircraft Defence will be divided into the following areas:-
 - FORWARD AREA - The area between the British front line, and a line joining the Headquarters of Divisions in the front line, i.e. between VERQUIN and BRAQUEMONT and thence to VILLERS AU BOIS.
 - INTERMEDIATE AREA. - The existing Corps Area West of the line joining the Headquarters of Divisions in the front line.
 - REAR AREA. - The remainder of the Army Area.
3. Divisions in the line will be responsible for the co-ordination of Lewis and Machine Gun defences in the Forward Area. They will include the dispositions for A.A. Defences in their operation orders and Defence Schemes, and will embody the same on a sketch map to be submitted to Corps.
4. Lewis Gun Defences of the Forward Area, will be arranged as follows.
 - (a) There will be two lines of A.A. Lewis Gun Defence. The forward of these lines will run approximately along the Reserve Line. The second line will run approximately 1,000 yards in rear of the Reserve Line. In addition, adequate defence will be provided for the principle Dumps and Sidings.
 - (b) Guns will be sited in pairs. In the Reserve Line no two pairs will be more than 1,000 yards apart. In the second line they will be not more than 1,500 yards apart.
 - (c) These guns will be found by the Infantry Battalions.
5. By day Anti-Aircraft Lewis Guns will engage all hostile aeroplanes within range, flying at 3,000 feet and under.

By night Orders as regards opening fire on hostile aeroplanes will be as follows :-

 - (a) In the Forward Area, no rifle or machine gun fire will be opened on aeroplanes, unless they disclose their hostile identity unmistakably by dropping bombs or opening fire, or their identity is unmistakable revealed in the beam of a searchlight.
 - (b) British aeroplanes when flying over the Intermediate or Back Areas, will light their navigation lights or sound their Klaxon horns at frequent intervals as a warning against fire from our troops. Rifle and machine gun fire will be opened on any aeroplane located in this area by night, which does not sound its Klaxon horn or show its navigation lights, or which is unmistakably identified as hostile in the beam of a searchlight. Navigation lights are four in number, one on the top of the outer edge of each of the bottom planes, one on the tail, and one on the machine shining vertically downwards.

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57.

The fact that the machine is not shewing navigation lights is not to be taken as a proof that it is an enemy machine providing it is sounding its Klaxon horn.

6. Anti-Aircraft machine guns stationed in the vicinity of searchlights will fire in bursts only, in order to allow for silent periods for listening. (G.H.Q. Letter No. O.B./1769 dated 6/2/18). The successful action of our defences at night depends primarily on the facilities for listening for the sounds of the hostile engine. Consequently any indiscriminate firing neutralizes the searchlight.

3rd April, 1918.

Sgd., G.V.Hordern,
Brigadier General,
General Staff, I Corps.

