

AWM4

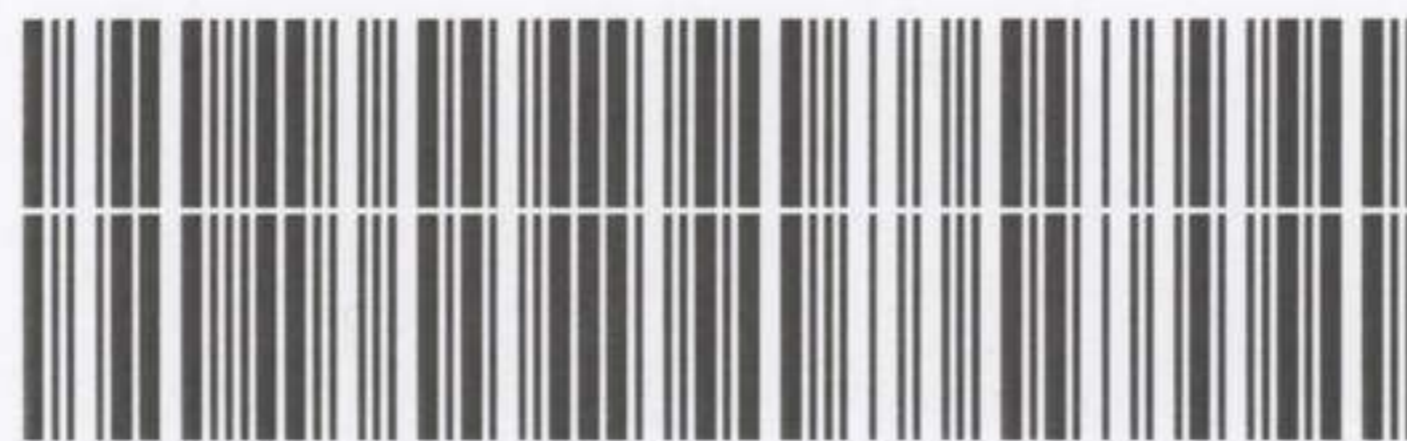
**Australian Imperial Force unit war diaries,
1914-18 War**

Tunnelling & Survey

Item number: 16/4/16

Title: 3rd Australian Tunnelling Company

June 1917



AWM4-16/4/16

WAR DIARY
or
INTELLIGENCE SUMMARY.

(These headings not required.)

War Diaries and Intelligence
Summaries are contained in F. S. Regs. Part II
and should be filed respectively. This page
will be prepared in manuscript.

3RD
AUSTRALIAN
TUNNELLING COY.

Summary of Events and Information

Remarks and
References to
Appendices

War Diary
of
3rd Aust. Tunn. Coy.
for
June 1917.

J.S.

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WAR DIARY
or
INTELLIGENCE SUMMARY.

(Erase heading not required.)

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Summaries are contained in F. S. Regs., Part II.
and the Staff Manual respectively. Title pages
will be prepared in manuscript.

			Summary of Events and Information	Remarks and references to Appendices
Place	Date	Hour		
			<p>War Diary of 3rd Div. Staff. Coy. for June 1917.</p>	

3RD
AUSTRALIAN
TUNNELLING COY.
Army Form. C. 2118.
Date

356

3rd Tunnelling Coy.
44.

WAR DIARY
or
INTELLIGENCE SUMMARY.

(Erase heading not required.)

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Place	Date 1917	Hour	Summary of Events and Information	Remarks and references to Appendices
	June 7		<p><u>WORK COMPLETED:</u> Double Crasser Road. First metalling completed also the road to Levin (M 228. 15. 15).</p> <p><u>COMPANY ORDERS:</u> - 387: 3 OR^s taken on strength as from 6/6/17.</p> <p><u>CORRESPONDENCE R+I:</u> - 2434 from Inspector of Mines Ref: Handling of Captured explosives.</p>	Appendix 2.
	June 8		<p><u>WORK IN PROGRESS:</u> - In the 1st Corps Area under 6th + 46th Divisions, Special detachment at work on Loos Water Supply to utilize water at Fosse 15. Also scheme to supply Lens and Cite St Pierre (M 100. Central). Dugouts at Hill 70 (M 66. 60. 40) Company Hd. Qrs. in O.G. 1, utilizing portion of existing enemy shaft, and opening out. The work on Hill 70 interrupted with by enemy shelling, constantly destroying trenches.</p> <p>Platoon Dugouts at (N 10. 00. 15) + (N 10. 10. 90). Salvaging old mine charges. At O.G. 1, Hill 70. Searching for enemy shafts and dugouts. Opened up O.G. N° 6 Shaft opposite Gordon Crater + O.G. N° 1 Shaft, opposite Cameron Crater. 4 O.G. Dugouts opened up + renovated. O.G. 6. 150' feet down on incline, but the enemy workings blown by Gordon Crater 1/5/16. N° 1 O.G. Shaft opened up for 64 feet + was opposite the work blown by our charge.</p>	
	June 9		<p><u>WORK IN PROGRESS:</u> - As detailed on 8th. Remaking trenches after enemy shelling</p> <p><u>WORK COMPLETED:</u> - Wiring strong points in Ridge Village Suis. Edgeware, Hoxton + Piccadilly Posts. Map A.</p> <p><u>CORRESPONDENCE R+I:</u> - Received G. B. 752. Ref: Defence.</p>	Appendix 3.

3RD
AUSTRALIAN
TUNNELLING COY.
Army Form C. 2118.
No.
Date

3rd Aust. Tnlq. Coy.
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WAR DIARY
or
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Place	Date 1917	Hour	Summary of Events and Information	Remarks and references to Appendices
	June 10		<p><u>WORK COMPLETED</u>:- Platoon Dugout at (M 29B. 70.70) Bois de Reaumont as per original design M.G. Emplacements & Dugouts off Absalom Trench (M 23d. 70.60) Rise to Shell Hole and collar set put in.</p> <p><u>COMPANY ORDER 390</u>:- 2473 Sapper Burris C. wounded by shell fire on 8/6/17. Reversion & promotion of N.C.O.^s</p> <p><u>CORRESPONDENCE R+I</u>:- 1785 from C.E. 1st Corps. Ref: Mobile Labor Parties.</p>	Appendix 4.
	June 11		<p><u>WORK COMPLETED</u>:- At Maroc, salvaged 700 yds. of light railway. Extensions & improvements to R.A.M.C. advanced dressing station. New entrances made to connect cellars.</p> <p><u>CORRESPONDENCE R+I</u>:- Received from 253rd Coy. R.E. Memo Ref: R.F.A. O.P. off Posen Alley.</p>	Appendix 5
	June 12		<p><u>WORK IN PROGRESS</u>:- As on the 8th.</p> <p><u>COMPANY ORDER 392</u>:- 5 O.R.^s taken on strength as from 11/6/17. N.C.O.^s appointments & promotions</p> <p><u>CORRESPONDENCE R+I</u>:- Memo and Blue Print of Fosse 16 Water Scheme from Capt. A.J. Hillman & report on scheme.</p>	Appendix 6.
	June 13		<p><u>WORK COMPLETED</u>:- Reforming of Double Crossier Road.</p>	
	June 14		<p><u>WORK IN PROGRESS</u>:- Deepening Absalom, Crocodile and Cavalry Trenches. Reclaiming and driving (N. a. 48. 82) N°1A enemy Mine Shaft. Removed four charges from Hill 70 Galleries to Magazine.</p> <p><u>COMPANY ORDER 394</u>:- 7 O.R.^s taken on strength as from 13/6/17.</p> <p><u>CORRES: R+I</u>:- Messages re Working Parties on salvage work from 1st Corps & 6th & 46th Divisions First Corps Order N° 195. Ref: Mining Operations.</p>	Appendix 7 " 8

D. D. & L., London E.C.
(1934) Wt W5300/P713 750,000 3/18 E 689 Forms/C2118/16

3RD
AUSTRALIAN
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Army Form C. 2118.
Date. 356

WAR DIARY

3rd Aust. Tully Coy.

INTELLIGENCE SUMMARY.

46.

(Erase heading not required.)

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	June 15		<p><u>WORK COMPLETED</u> :- Front line Trench (H 31c.45.06. to N1a.40.80)</p> <p><u>WORK IN PROGRESS</u> :- As on the 8th.</p> <p><u>CORRES: R+I</u> :- To Co. from C.R.E. 6th Division re working areas. B.M. 501 from 138th Inf. Bde. Ref: Work in Trenches Programme of Work beginning 15/16. E1039/a from C.R.E. 46th Div. Ref. Work Detailed.</p>	<p>Appendix 9</p> <p>" 10</p> <p>" 11</p> <p>" 12</p>
	June 16		<p><u>WORK COMPLETED</u> :- Deepened Cameron Alley Reserve to Front Line. Support Line deepened from Scott's Alley to Gordon Alley.</p> <p><u>COMPANY ORDER 396</u> :- 40 O.R.'s taken on strength as from 15/6/17</p> <p><u>CORRES: R+I</u> :- E 1056 from CRE 46th Division Ref: Work Detailed.</p>	<p>Appendix 13</p>

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3RD AUSTRALIAN TUNNELLING COY.
 Army Form C. 2118.
 No. _____
 Date _____

WAR DIARY

3rd Tunnelling Coy.

INTELLIGENCE SUMMARY.

47.

(Erase heading not required.)

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Place	Date 1917	Hour	Summary of Events and Information	Remarks and references to Appendices
	June 17		<p><u>Work Completed.</u> Front Line Trench from Scots Alley to H 31C. 45.06. Scots Alley deepened from M 36d. 50.45. to Front Line.</p> <p>Company strength on this date A.I.F. 20 officers, 671 OR.^s. Attached B.E.F. & Supernumerary officers 9. OR.^s 11.</p> <p><u>Company Order 397</u>: - No 4472 Sapper Scott T.E.: 1137 Spr. Rankin J.: 6810 Spr. Dingle E.A. were wounded 16/6/17.</p> <p><u>Correspondence R & I</u>: - Received from C.E. 1st Corps 1374/58 Ref: Work on Ridge Village Line Order from C.R.E. 46th Division. Ref: Work detailed.</p>	Appendix 14 " 15
	June 18		<p><u>Work Completed</u>: Platoon and Signals Dugouts Bois de Beaumont (M 29b. 70.70) The White Chateau Dugouts (Absalom Trench) M 23d. 70.60.</p> <p><u>Work in Progress</u>: Trenching, and renovating dugouts at Loos.</p>	
	June 19.		<p><u>Work in Progress</u>: Deepening Trench System at Loos.</p> <p><u>Company Order 399</u>: - No 997 Sapper Findlay C. wounded 16/6/17.</p> <p><u>Correspondence R & I</u>: - Orders from C.R.E. 46th Div. Ref: Work detailed for following dates: - 19/20. 20/21. 21/22. 22/23. 23/24. 24/25. 25/26. 26/27.</p>	Appendix 16.
	June 20.		<p><u>Work in Progress</u>: Forsee 16 Water Supply Scheme. Cleaned out water shaft. Excavations for Tanks. Tracing original French pipe main to Cite' St. Pierre. Mending breaks. At Lievin effecting repairs to Absalom Trench after bombardment of 17th June. Deepening Front Line Trench System at Loos.</p>	
	June 21		<p><u>Work Completed</u>: Loos Water Supply & Left Brigade Water Supply. Carted & assembled 2/1600 gall. Tanks. Put in foundations & installed same at Loos Cassier (G 36c. 40.50). Laying 800 ft. of 4" pipes from Cassier to Well. Completing bomb traps in Dugouts at Lievin. Trench digging in charge of the O.C. 46th Coy. R.E.</p>	21

D. D. & L., London E.C.
 (10342) Wt W5300/P713 750,000 3/18 E 688 Forms/G2112/16

3RD
AUSTRALIAN
TUNNELLING COY.
Army Form C. 2118.
No. 36
Date

WAR DIARY
or
INTELLIGENCE SUMMARY.

3rd Tunnelling Coy.
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Place	Date 1917	Hour	Summary of Events and Information	Remarks and references to Appendices
	June 22.		<u>Work in Progress</u> :- Cutting shelters & chambers in slag dump. Tunnelling under road (M30b. 10.15) Progress delayed by enemy shelling. Salvaging ammonal, rails, pumps, hoses motors etc. from the Mines at Hill 70. Fosse 16 Water Scheme and wells at St. Pierre (M. 10c. 50.50). Two wells cleaned out and tanks erected.	
	June 23.		<u>Work Completed</u> . The deepening of Absalom Trench & Railway Cutting. On work on Main Street, Maroc and Double Crassier Road. <u>Correspondence R+I</u> :- 46th Div. Orders No 198 + 200. Ref: Raid by 137th Inf. Brigade on 24/6/17.	Appendix 17.
	June 24.		<u>Work Completed</u> :- Reforming Double Crassier Road. Deepening Crocodile Trench to M23b. 85. 60. Company strength A.I.F. 21 Officers 673 O.R. Attached B.E.F. 19 O.R. <u>Company Order 404</u> :- Lieut. O.R. Howie M.C. wounded 22/6/17. 1206 2/cpl. Wray W. gassed 22/6/17 6470 Spr. Thompson C. J. reported & taken on strength 23/6/17.	
	June 25.		<u>Work Completed</u> :- Advanced R.A.M.C. Dressing Station at (A31c. 50.30) and alterations & extensions to Inclines at the old Mine Rescue Station, Loos. No 2328 Spr. Matson J gassed 24/6/17. <u>Correspondence R+I</u> :- Recd. from C.M. 1062/2 Ref: 1 of M 2515 Ref. Company Reports.	Appendix 18
	June 26.		<u>Work Completed</u> :- Dugout and shelter for H.T.M. Personnel, and Ammunition Chamber at (M6b. 60.10) Commenced Infantry Shelters & tunnel under Road at M30b. 10.00. Cut 180 feet of Trench 7' deep. Road construction & listening. <u>Comp. order 406</u> :- No 4485 Sapper Thomas R.S. gassed on 24/6/17. 4785 Spr Reed A.R. on strength 25/6/17.	
	June 27.		<u>Work Completed</u> :- As laid out in original design. Dugouts at Hill 70 & Bugs Alley (N1a. 00. 15) and (N1c. 10. 90) New Incline at C.H.Q. (M 6b. 60. 40) handed over to Battalion. <u>Company Order 407</u> :- 1152 Spr. Scholfield T.P. taken on strength 26/6/17.	

WAR DIARY

or

INTELLIGENCE SUMMARY.

(Erase heading not required.)

3rd Tunnelling Coy.
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3RD AUSTRALIAN TUNNELLING COY.
No.
Date

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Place	Date 1917	Hour	Summary of Events and Information	Remarks and references to Appendices
	28 June		<p><u>WORK</u> <u>FLW</u> Completed: D.O.s and O.P.s BOIS DE RIAUMONT (M29 B. 70.70.) Put in 3 Rises to O.P. Rise to M.G.E. (M23 d. 70.60.).</p> <p>on this date a specially selected party of Sappers assisted in RAID on HILL 70. Mobile Charges were taken over to the enemy lines, and enemy emplacements were destroyed. Listening between HILL 70, and VENDIN ALLEY</p>	
	29 June		<p><u>WORK</u> <u>FLW</u> in Progress: Driving Tunnel through Railway Embankment off NOVEL ALLEY. (N1 C. 75.40.) Salvaging timber from Enemy shaft No. 7, and carrying to Tunnel off NOVEL ALLEY. Making ROAD from FOSSE 11 to FOSSE 16. Work of Special Detachment on the FOSSE 16 WATER SUPPLY SCHEME Raising damaged Pump from Water Level. Repairing 1/4 miles of 6" MAIN. Laying 300 yds pipe in deep trench. Excavating Tank 24' x 24'. Mining at HILL 70, CAMERONS No. 1 MAIN. Advancing programme of work at LIEVIN. Demolitions of Enemy Mine Shafts on HILL 70. also deepened 250' of trench to 9'. Built 8 shelters for Infantry 5' x 3' x 12', also 2 shelters in tunnels 5' x 3' x 12' and caged up.</p> <p>In C.O. 409: of this instant a COURT of INQUIRY was formed consisting of CAPT A.J. HILLMAN CAPT A.C. MORRIS LIEUT R.E. TYLER. Waiting member LIEUT G.T. CRAWSHAW. C.R. and Instructions: Received from C.R.E. E1170 Ref: Special Investigation Party.</p> <p>Message of Thanks from 18th Div. Bde. to participants in Raid on 28/6/17 by 2nd B.L.I. + 11th Essex Bgt. Report by Capt. Sanderson on work of 3rd Aust. Tnl. Coy. at Raid on 28/6/17. + sketch.</p>	
	30 June		<p><u>WORK</u> <u>FLW</u> Completed: - WATER SUPPLY for HORSE LINES at 46th D.A.C. (L31a. 7.6.) Laying 240' of 1 1/2" pipe line connections and troughs. <u>Work in Progress:</u> As stated under the 29th inst.</p> <p>C.O. 410: of this date report the following casualties. MAJOR L. J. COULTER D.S.O. Killed in action at HILL 70 on the night of 28/6/17. CAPT A. SANDERSON M.C. Wounded (Remaining on duty) No. 1285, Sapper GRIFFIN F. Killed in Action. No. 1051, Cpl JACKSON E.E. Wounded No. 4481 Sapper SUITER R.J. Wounded 28/6/17.</p> <p>Expressions of sympathy re Major Coulter's death.</p> <p>Resumé of Work for the month ended: - Following the advances made in the HILL 70 sector, work was put in hand in consolidation and D.O. Extensions, at the same time captured Enemy shafts and galleries were investigated. The Special Detachment carried on with work of water supply to forward areas making use of the mine shafts & pumping plants. Roadwork was advanced in the Bois area.</p>	<p>Appendix 19. " 20. " 21.</p>

2353 Wt. W2544/1434 700,000 5/15 D. D. & L. A.D.S.S./Forms/C. 2118.

3rd Tunnelling Coy
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3RD
AUSTRALIAN
TUNNELLING COY.
Army Form C. 2118.
Date.....
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WAR DIARY
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	June		<p>Correspondence R+I :- Copy of 1193/3 (G.B) 26 Ap. 1917. from Gen. Staff. 1st Corps. Ref: Investigation From C.E. 1st Corps N^o 1374/54 Ref: Mining Work. C.R.E. 1st Corps. N^o P. O. 1795. Ref: Examination of Captured Material. 2 Letters of appreciation of 4485 Spt. Thomas R. G. on 9/6/17. Letter from Commonwealth Bank of Aust. re Account N^o 125411 - Sydney Letter from Paymaster A.I.F. re Appointment of Pay Sergeant to Company 3 Maps of Lens Area corrected up to 25/6/17.</p>	<p>Appendix 22 " 23. " 24. " 25. " 26 " 27. " 28</p>

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9.

War Diary
of
3rd. Aust. Tnlq. Coy.
for
June 1917.

Appendices.

J.B.S.

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(Copy)

June 6th 1917.

The O.C.,

3rd Australian Tunnelling Company/

Will you accept our grateful thanks for the very excellent work your men have done on our Dressing Station in Maroc; and convey the same to all ranks who have so generously carried out the work.

(Sgd) Walter Beavor,
Colonel, A.D.M.S.,
46th Division.

I. of M. 2434.

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Controller of Mines,
First Army.

Would you please give instructions to Tunnelling Companies engaged in salvaging operations, that all captured explosives collected must be :-

- (1) destroyed, or
- (2) kept in a secure magazine.

All Stores containing salvaged explosives must be properly handed over by Companies upon change of area, even when their contents are believed to be in an inert condition.

A serious accident occurred some time ago owing, it appears, to the ignition of a store of German explosive, abandoned because it was thought it had become inert from getting wet. In this case, the cause of its complete or partial detonation seems to have been the accidental explosion of some Stokes bombs or grenades, believed to have been left in the same store.

Explosives of the Ammonium Nitrate class, such as Ammonal, Sabulite, Donarit, etc., have been found to detonate, with an active primer, when containing up to 8% of moisture.

G. H. Q.,
6.6.17.

(Sd) R. N. HARVEY,
Brigadier General,
Inspector of Mines.

2.

O.C., No 3 Aust Coy., R.E.

C.M. / 949 / 2.
First Army.

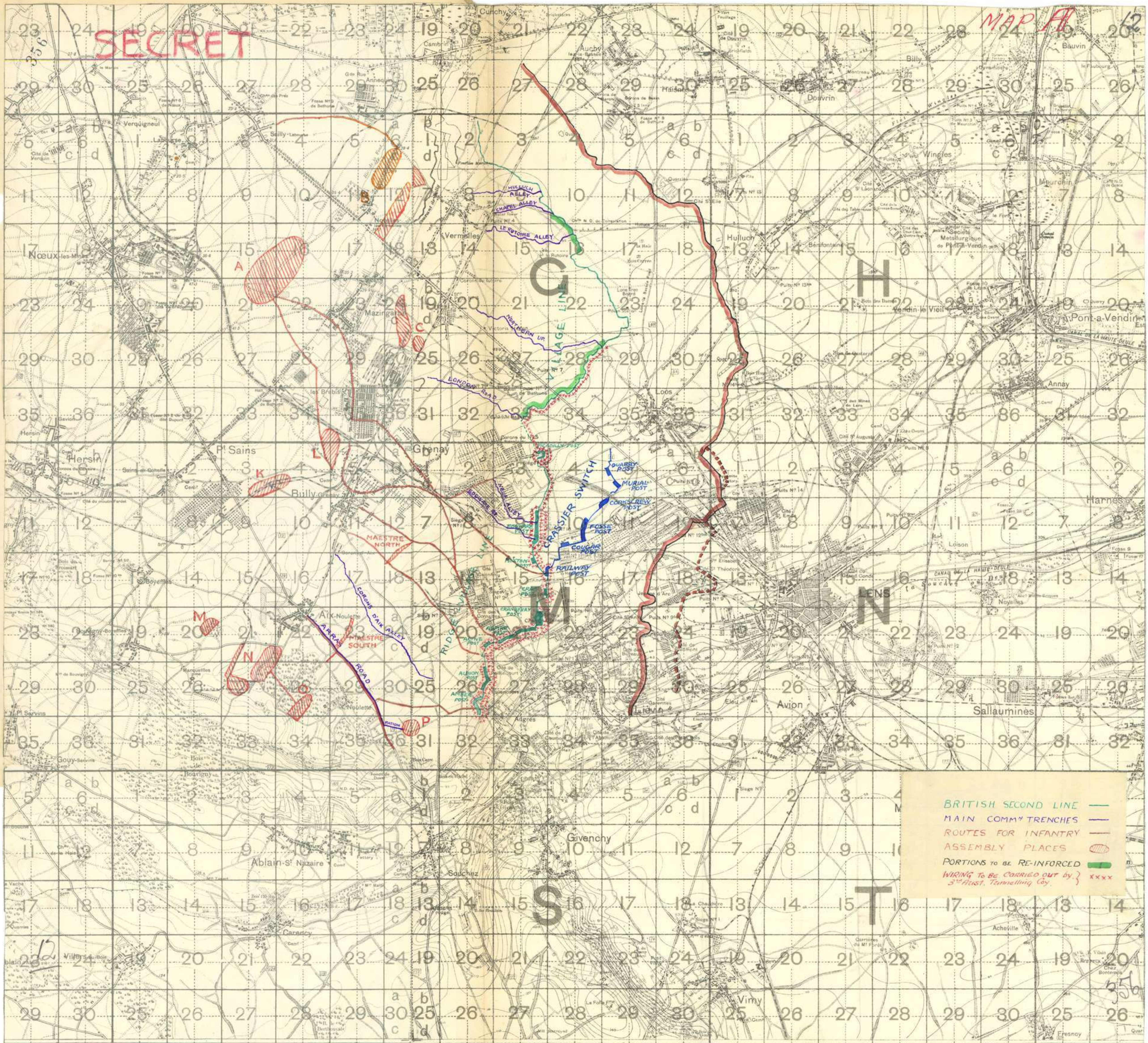
For your information.

7.6.17.

H. H. Pull
Major R.E.,
for Controller of Mines,
First Army.

SECRET

MAP A



BRITISH SECOND LINE ———
 MAIN COMM. TRENCHES ———
 ROUTES FOR INFANTRY ———
 ASSEMBLY PLACES [Red hatched symbol]
 PORTIONS TO BE RE-INFORCED [Green symbol]
 WIRING TO BE CARRIED OUT BY 3rd Post, Tunnelling Coy. [Red 'x' symbol]

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O.S.C. **APPENDIX 3.**
 Action
 Please see.
 Instruct all officers
 who have not visited
 "Position of Assembly"
 to do so & to make
 themselves familiar
 with various routes
 leading from there to
 "Ridge Village Line".
 Also see that all
 NCO's know the "Ridge
 Village Line" and that
 those that have visited
 "Position of Assembly"
 previously are well
 aware of the possibility
 of an attack.
 Initial please.
 1-6-17 R.M.
 1-1
 2-ORH
 3-
 4-
 72 Bone by sign
 11 3 1/2 hrs in Coy.

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APPENDIX 3. 14

S E C R E T.

O.C., 253rd Tunnelling Coy, R.E.
O.C., 3rd Australian Tunn: Coy, R.E.
O.C., 560th (Hants) A.T. Coy, R.E.

No. 752 (G.b.) 9th June, 1917.

With reference to the instructions for the employment of Corps Reserve in the event of serious hostile attack issued with I Corps No. 569 (G.b.) dated 31/5/17, and with I Corps Defence Scheme Appendix III.

The following arrangements for communications will be made in the event of units being ordered to the Assembly Positions allotted.

- (a) 253rd Tunnelling Coy. R.E. will keep an orderly at 67th H.A., Group, NOYELLES, to receive messages.
- (b) 560th (Hants) A.T. Coy. R.E. will similarly keep an orderly at the "CAVE" AIX NOULETTE R.22.d.9.9.
- (c) 3rd Australian Tunn: Coy. R.E. will take a ringing telephone forward and "tee on" to a line which will be shown to them by a lineman from Signal Office at 46th Division H.Q.

M. L. Sanderson
C.S.
for Brigadier General,
General Staff, I Corps.

Copies to:-

H.A., I Corps.
A.D. Signals.

M. L.

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C.E. I Corps.
No. 1785.

NOTE ON DISTRIBUTION OF LABOUR FOR AN ADVANCE.

This office minute No. 1785, dated 9th April, 1917, is cancelled and the following substituted :-

Party.	Unit, &c.	Probable employment.
A.	31st (Army Troops) Coy., R.E.	Roads, Bridges, and Tramways.
B.	560th (Hants) A.T. Coy. R.E.	do do
C.	253rd Tunnelling Company, R.E. (less 1 Mobile Section)	Roads or Dug-outs.
D.	3rd Australian Tunnelling Coy. (less 1 Mobile Section)	do
E.	4th Bn. British West India Regt.	Roads.
F.	1 Mobile Section, 170th Tunnelling Coy. Company, R.E.	To move with advanced troops. Charged with duty of searching and rendering harmless German Traps and Land Mines, and assisting with Water Supply in Right Divn. area as per detailed instructions already issued.
G.	1 Mobile Section, 253rd Tunnelling Company, R.E.	do do in Left Divn. area
H.	1 Mobile Section, 3rd Australian Tunnelling Coy.	As for Party 'F'.

2. Applications for transport, material, &c., will be made to the Chief Engineer, I Corps, who will allocate that which is available through 'Q'.

3. As much unskilled labour as is available will be supplied to parties.

John ...
Captain R.E.
for Chief Engineer, I Corps.

10/6/17.

Copies to :- 'G', 'Q', C.E. First Army, D.A.D.L., Corps Roads Offr. C.R.E., Corps Troops, C. of Mines, Field Engineer, Cs.C. A.T. Coys., Cs.C. Tunnelling Coys., O.C. 4th Bn. B.W.I. Regt.

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6th Divisional Artillery

Attached please find plan for construction of mined O.Ps. off POSEN ALLEY.

The site was chosen by your Intelligence Officer, and he is satisfied that it has under observation the area required by you. Its position is G.24.c., or about 80 to 90 yards East of CHAPPS O.P.

The construction would take one month, and we would require a fatigue party of 50 men to help in the disposal of the spoil and in carrying the necessary timber.

I would suggest that the 50 men be sent to our billets at SAILLY LABOURSE, where, while one of our sections is away, we can accommodate them. They will then accompany our sappers to the work and return with them, doing exactly the same hours as our men.

If this Scheme A is approved, the work can be commenced after the arrival of the 50 men.

(sd) John J. FREUND, Capt. R.E.
a/O.C. 253rd Company R.E.

11th June 1917

Attached, plan of Scheme A.

Handwritten initials

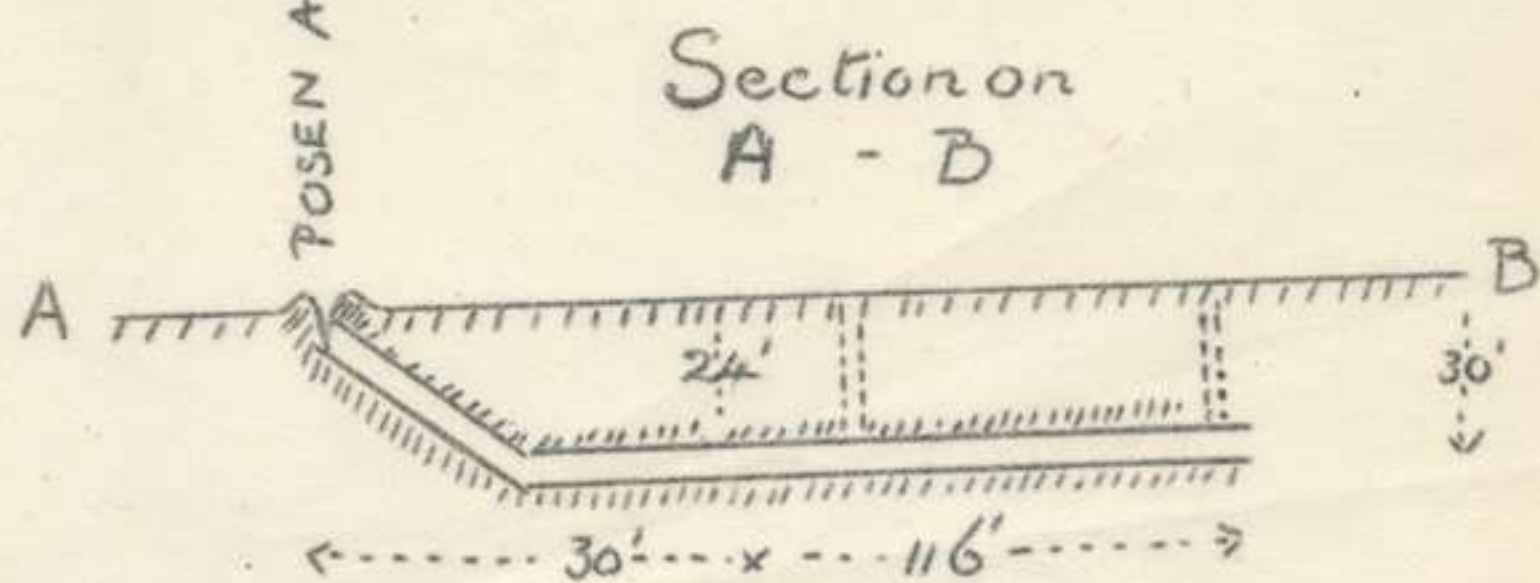
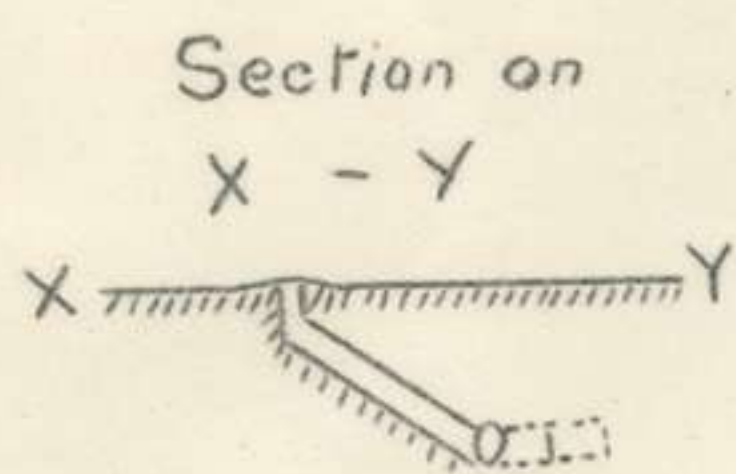
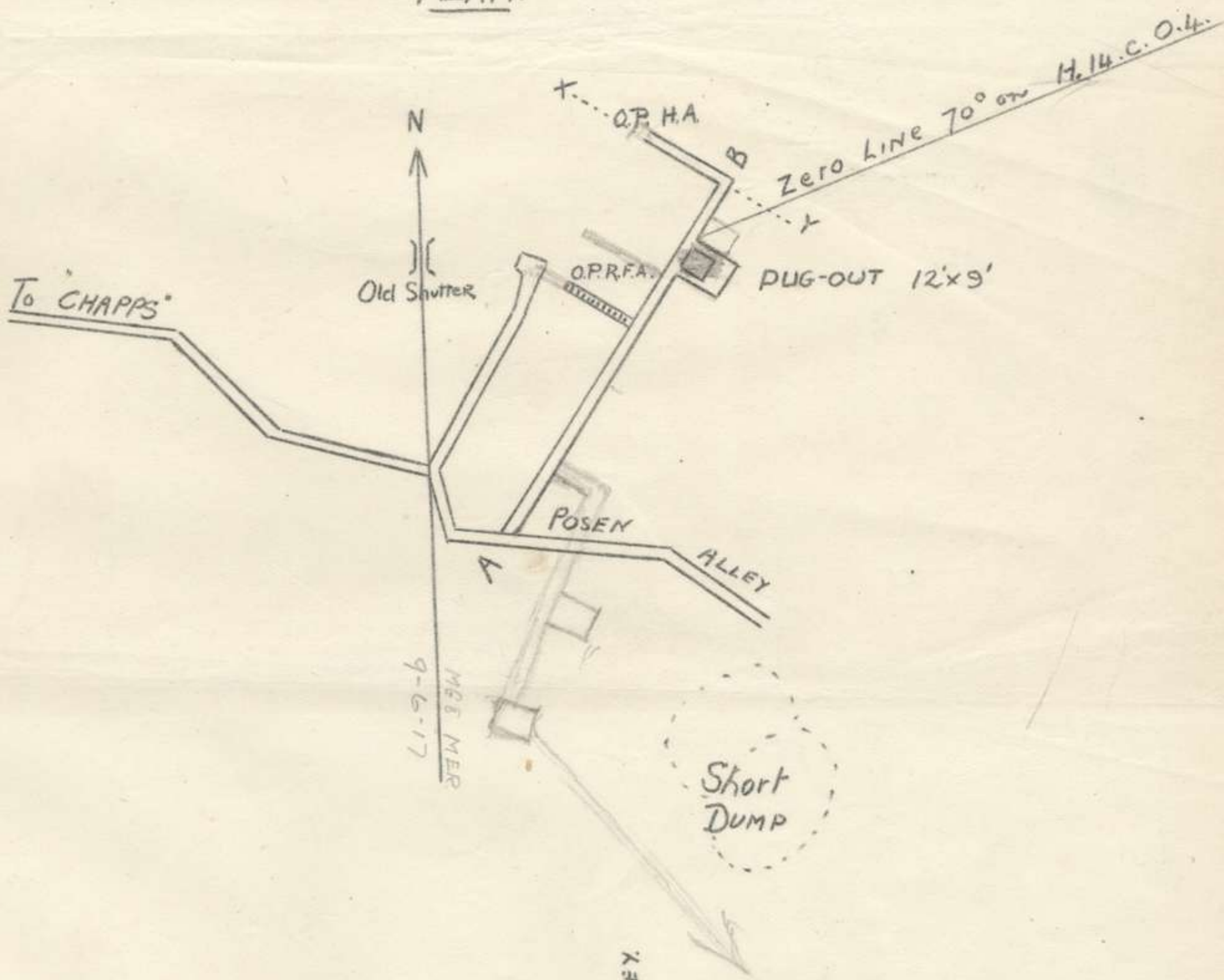
Memo
Work of constructing these
O.P.s. carried out by 3rd Australian
Immunology Coy.
at

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Proposed O.P. on site chosen
by Artillery Intelligence Officer
on 8/6/17.

Scheme 'A'

PLAN.



SCALE 1:800.

(Sd) John J. Freund
Capt R.E.
A/O.C. 253rd Coy R.E.

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S E C R E T.

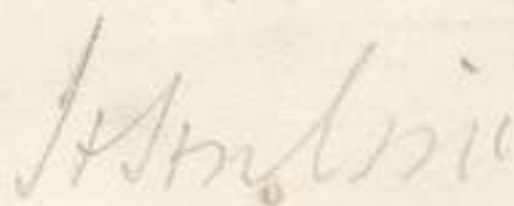
Headquarters,

Heavy Artillery, I Corps.

No. 1/C.A./984

11th June, 1917.

The 6th Division have put forward a scheme for making two Artillery O.Ps. from a tunnel off POSEN ALLEY for which they are asking for the assistance of the 253rd Tunnelling Company. The G.O.C., R.A., I Corps approves of this scheme, but wishes as well from this tunnel to construct an O.R. for the H.A. For this work the 6th D.A. are finding a working party of 30 men. Will you please detail a working party of 20 men to report to the 253rd Tunnelling Company at SAILLY LA BOURSE on 13/6/17 to assist in this work, which will probably take one month.



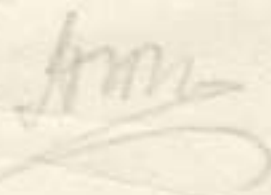
Major, R.A.,

Staff Officer, E.A. I Corps.

1 Corps H.A. told to hold party up a
 blue date would be sent there

9.2 AM

13/6/17



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APPENDIX 6.

O.C. 3rd Australian Tunnelling Coy.
1 Blue Print herewith of proposed
general arrangement of
water supply at Fosse 16, together
with list of water-supply
stores.

12-6-17.

J. Millman Capt
Q.W.S. Officer in Charge

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O. C. 3rd Australian Tunnelling Coy

Re Fosse 16 Scheme.

1. It is quite possible that by making use of the existing reticulation of St Pierre the greater part of the 7400' of 4" piping which this scheme involves may be obviated.
2. The attached plan shows the route of a 6" pipe from Fosse 16 to the Lens-Bethune Road. The route is dotted where I have not so far located the pipe, & gaps in the full line denote a break in the pipe which I propose to repair with 4" tube.
3. Our immediate object will be effected if water can be got to existing Lens reticulation system at M 12 b 4.5.4.0.
4. A party of say 4 men and 1 N. C. O. could be profitably employed opening up the ground at the breaks in the 6" pipe and excavating in certain spots which I could point out on the ground to further locate the course of the pipe.

A. J. Hillman Capt
Water Supply Officer
1st Coy.

14-6-17.

Water Supply

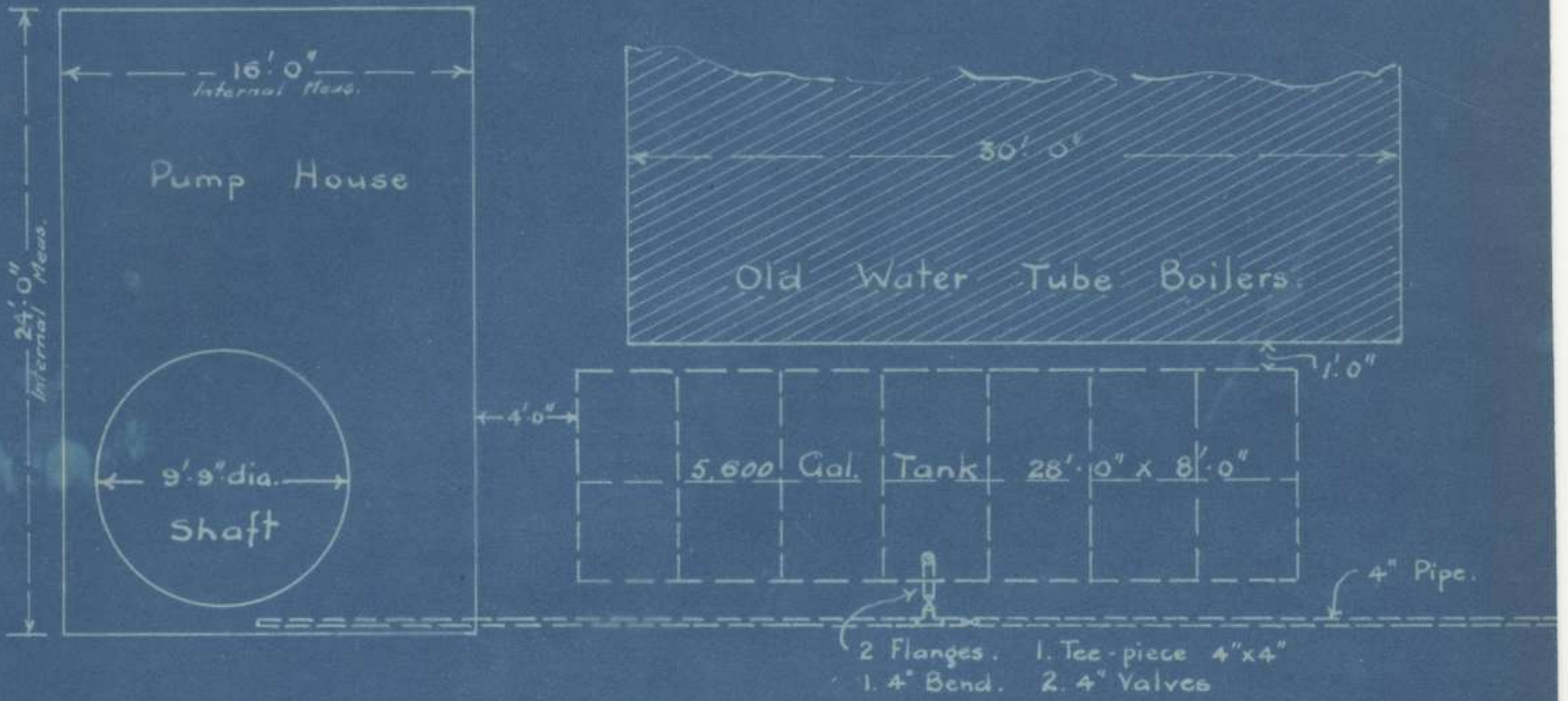
Fosse 16 Scheme

APPENDIX 6.

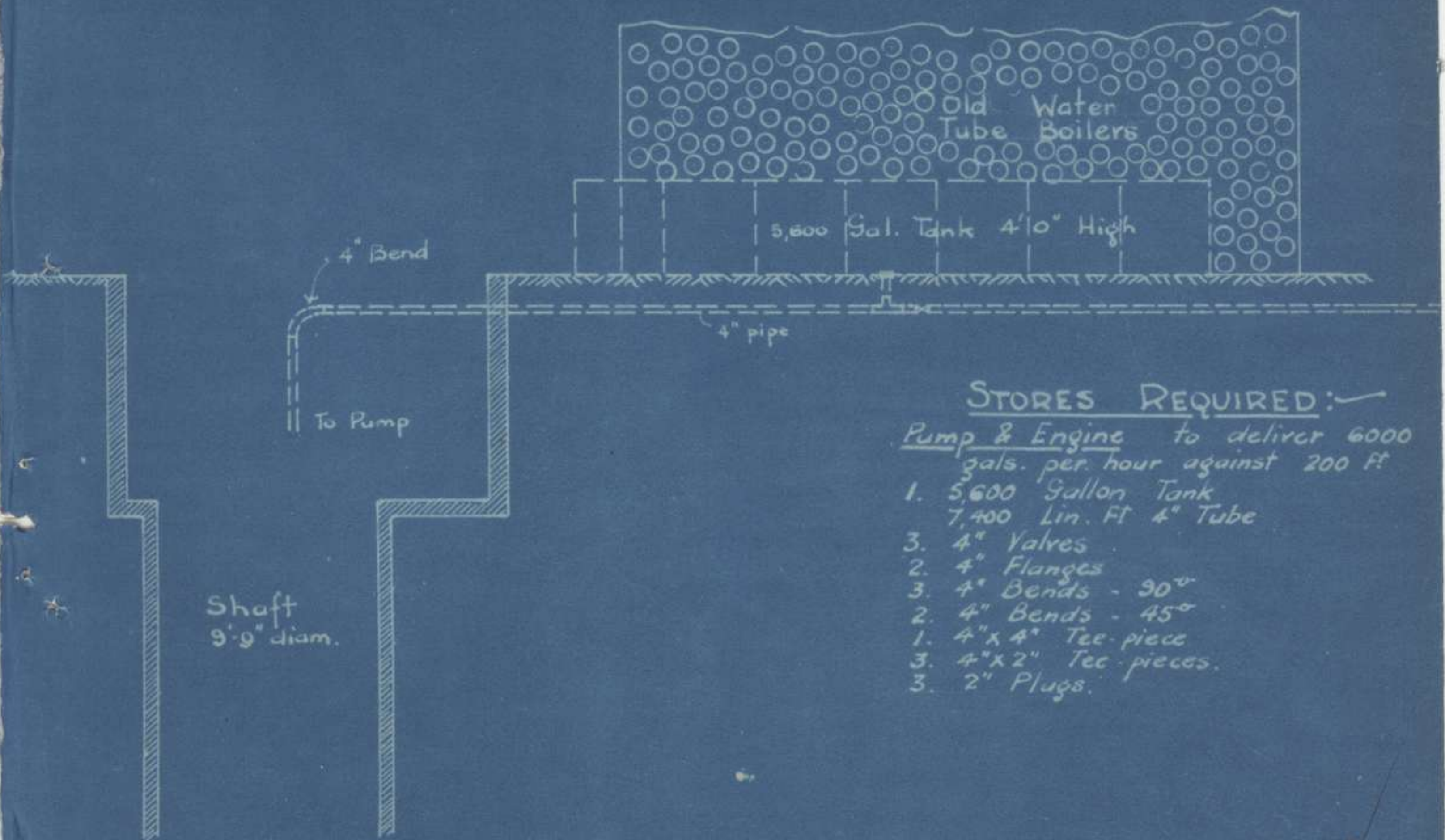
21

Scale = 8 Feet = 1 Inch

Proposed Work shown dotted



Plan



Elevation

STORES REQUIRED:

- Pump & Engine to deliver 6000 gals. per hour against 200 Ft
1. 5,600 Gallon Tank
 - 7,400 Lin. Ft 4" Tube
 3. 4" Valves
 2. 4" Flanges
 3. 4" Bends - 90°
 2. 4" Bends - 45°
 1. 4" x 4" Tee-piece
 3. 4" x 2" Tee-pieces.
 3. 2" Plugs.

A. J. Killman Capt.
 Water Supply Officer
 1st Corps.
 10-6-1917.

Prefix.....	Code.....	Words.....	Received	Sent, or sent out	Office Stamp
£ s. d.			From.....	At..... m.	14.VI.17 F- TELEGRAPHS
Charges to collect			By.....	To.....	
Service Instructions.			By.....		
Handed in at.....		Office.....	m.	Received.....	m.

TO Page II APPENDIX 7

*Sender's Number	Day of Month	In reply to Number	AAA
9838			AAA
from	Salving light	railway	aaa
South	Irish Horse	160	ORS
1st	bicyclist Bn	210	ORS
aaa	Tunnelling companies	will arrange	
to	leave from	sections detailed	
minimum number of	men necessary		
for	listening duties and	supervision	
of	tunnels	aaa	06
parties detailed	will report		
for	instructions direct to		
Divisions concerned	who will arrange		
for	accommodating them	in billets	
Convenient to work	aaa	Acknowledge	
aaa	Adsd	6 th	and 4 th
Divns	253 rd	Tunn	boy 3 rd
aus	Tunn	boy	1 Corps
mounted troops	4 th	En Bw	India Regt
FROM	1 Corps		
PLACE & TIME	6:25 pm		

* This line should be erased if not required.
 (B 8188) Wt. v. 7496-M857 250,000 Pads. 1/17 H & S (F489.) Forms/C.2123/3.

Prefix.....	Code.....	Words.....	Received	Sent, or sent out	Office Stamp
£ s. d.			From.....	At..... m.	14.VI.17 F- TELEGRAPHS
Charges to collect			By.....	To.....	
Service Instructions.			By.....		
Handed in at.....		Office.....	m.	Received.....	m.

TO 3rd Aus Tunn to RB APPENDIX 7

*Sender's Number	Day of Month	In reply to Number	AAA
9838	14/6		AAA
Following troops	will be	attached	
to	Divisions to	Commence digging	
work	with all	available men	
on	night 15 th	June	aaa
Those not	immediately available	will	
Commence work	as early as		
possible	aaa	10	6 th
3 rd	Australian Tunn	boy	one
Section	aaa	253 rd	Tunn
two	Sections	aaa	West
Regt	two	companies	aaa
now	employed on	6 th	Division
front	aaa	10	4 th
3 rd	aus	Tunn	boy
Sections	from west	Billets	253 rd
Tunn	boy	two	Sections
6 th	Division front	one	Section
FROM	Continued		
PLACE & TIME			

* This line should be erased if not required.
 (B 8188) Wt. v. 7496-M857 250,000 Pads. 1/17 H & S (F489.) Forms/C.2123/3.

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142 46th

"C" - Form *Boland*

356

142 46th

22

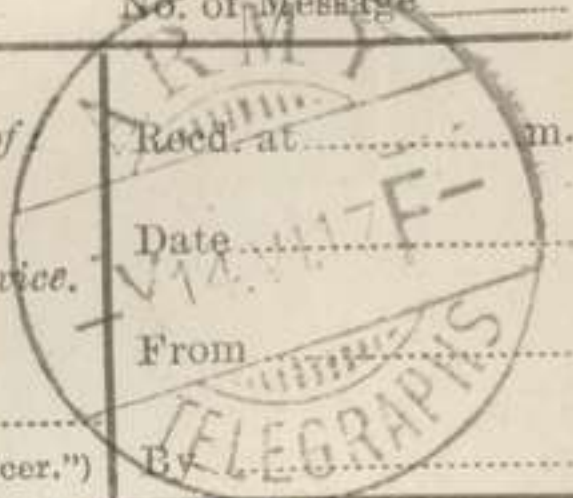
Appendix 7

Form

Army Form C.2121
(in pads of 100)

MESSAGES AND SIGNALS.

No. of Message



Prefix Code m. Words Charge

Office of Origin and Service Instructions: *Priority H.Q.*

Sent At To By (Signature of "Franking Officer.")

Reed. at Date From

This message is on a/c of Service.

TO *3rd Australian Tunnelling Co*
252 Tunnelling Co

APPENDIX

Sender's Number: *906/16/1* Day of Month: *14* In reply to Number: *—* **AAA**

Ref *1st Corps G 838* of today *aaa*
Wire numbers you will have for
work under this division *aaa*
Also send officer to this Div *H.Q.*
tonight for instructions

703 *100*

From *6th Div*

Place

Time *7.45 pm*

The above may be forwarded as now corrected. (Z) *N.S.*

Censor. Signature of Addressee or person authorised to telegraph in his name.

"C" Form Appendix 7. Army Form C. 2123
(In books of 100.)

MESSAGES AND SIGNALS. No. of Message

Prefix Code Words Received Sent, or sent out Office Stamp

From To

Charges to collect By

Service Instructions. *3 Adds a/b* *Priority*

Handed in at Office m. Received m.

TO *3. Aus. Tunn. Coy*

APPENDIX

Sender's Number: *4839* Day of Month: *14/6* In reply to Number: *—* **AAA**

Reference my *G 838* attachment of
two sections *253rd* *Tunn* *Co*
to *46th* *Division* *read*
one section from *6th* *Divn*
front and one section from
Halving light Railway *aaa* *South*
Irish Horse for *160* *ORS*
read *200* *ORS* *aaa* *Adds*
all recipients of *G 838*

FROM *1 Corps*

PLACE & TIME *7.15 pm*

* This line should be erased if not required.
(B 8188) Wt. w. 7496-M857 250,000 Pads. 1/17 H & S (R489.) Forms/C.2123/3.

256

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Appendix 7
 Form Army Form C. 2123 (In books of 100.)
MESSAGES AND SIGNALS. No. of Message.....

Prefix..... Code..... Words.....
 Received Sent, or sent out Office Stamp.
 From..... At..... m.
 By..... To.....
 Charges to collect
 Service Instructions.
 Handed in at..... Office..... m. Received..... m.

APPENDIX

TO 3rd Australian Tunneling Co R.A.

*Sender's Number 9643 Day of Month 15 In reply to Number AAA

All Infantry attached to PIER will return to their units after work today 15th inst. Parties to be retained by their units from 16th inclusive and added Girl Gold Gape and PIER

FROM 46 Div
 PLACE & TIME 12.20 am.

* This line should be erased if not required.
 (B 8188) Wt. w. 7496-M857 250,000 Pads. 1/17 H & S (E489.) Forms/C.2123/3.

Appendix 7
 Form Army Form C. 2123 (In books of 100.)
MESSAGES AND SIGNALS. No. of Message.....

Prefix SM HES Code..... Words 68 Received Sent, or sent out Office Stamp.
 From ALC At..... m.
 By..... To.....
 Charges to collect
 Service Instructions. Urgent
 Handed in at..... Office..... m. Received..... m.

APPENDIX

TO 3rd Australian Tun Co

*Sender's Number 9641 Day of Month 14th In reply to Number AAA

Reference this office 2709/276 of
 10th June classes of Instruction
 will not now be held
 and Girl will arrange for
 return to their units of
 class of 20 at present
 attached for instruction to no
 1 section PIER and class
 from Gold which should have
 reported 15th June will not
 assemble and Addist 3 Bdes
 and PIER

FROM 46 Div
 PLACE & TIME 8.15 Pm

* This line should be erased if not required.
 (B 8188) Wt. w. 7496-M857 250,000 Pads. 1/17 H & S (E489.) Forms/C.2123/3.

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SECRET.I CORPS ORDER No.175.
-----14th June, 1917.

In continuation of I Corps Order No.174 dated 13th June, 1917.

1. Infantry Brigade of XI Corps will be attached to the 6th Division from 18th June till 1st July when it will rejoin XI Corps. All arrangements for this attachment will be made direct between 6th and 49th Divisions.
2. The preparations detailed in para.2(a) of above quoted Order will be completed by 28th June. ^{be}
Preparations detailed in para.2(b) will/so far completed by 28th June as to lead the enemy to expect attack on the front indicated by the Blue Dotted Line shown on Map "X" attached to I Corps Order No.174 and will take priority over work detailed in para.3 which will, however, be pushed forward so far as possible with the labour available.
3. To assist in the work of preparation the troops as shown in Appendix "A" attached, will be placed at the disposal of Divisions to commence work with all available men on 15th June. Those men not immediately available will commence work at the earliest possible date.
4. O.C., Tunnelling Companies who are required to relieve Sections from mining operations will arrange to leave sufficient men for listening duties and general supervision of tunnels, but this number must be reduced to the minimum necessary for these duties.
5. O.C., Units or parties detailed for work will report for instructions at the H.Q., of Divisions concerned.
Divisions will arrange to accommodate the troops placed at their disposal in billets convenient to work.
6. ACKNOWLEDGE.

W.R. Candlish
C.S.
for Brigadier General,
General Staff, I Corps.

Issued at 9.30p.m.

Copies to :-

- | | | | |
|--------|------------------|--------|-----------------------|
| No. 1. | 6th Division. | No.12. | A.D.C. to G.O.C. |
| 2. | 46th Division. | 13. | D.D.L.S. |
| 3.) | | 14. | I Corps Mounted Troop |
| 4.) | Adv. First Army. | 15. | 3rd Aus.Tunn.Coy.R.E. |
| 5. | Canadian Corps. | 16. | 253rd Tunn.Coy.R.E. |
| 6. | XI Corps. | 17. | 4th Bn.Brit.W.India |
| 7. | H.A., I Corps. | 18. | File. |
| 8. | G.O.C., R.A. | 19. | War Diary. |
| 9. | Intelligence. | 20. | C.E. |
| 10. | D.A. & Q.L.G. | 21. | No.2 Squadron R.F.C. |
| 11. | A.D.Signals. | | |

STATEMENT OF WORKING PARTIES TO 6th and 46th DIVISIONS.

(To accompany I Corps Order No.175).
Remarks.

<u>Division to which attached.</u>	<u>Unit.</u>	<u>Present Employment.</u>	<u>Approx: Nos.</u>	<u>Remarks.</u>
6th Divn:	1 Section 3rd Aust: Tunn: Coy: R.E.	Mining 6th Div: Front.	100	O.C.Coy: will leave sufficient men for listening and supervision duties.
	2 Sections 253rd Tunn: Coy: R.E.	- do -	150	"
	2 Coys: West India Regt:	Working 6th Div: Front.	300	
46th Divn:	2 Sections 3rd Aust: Tunn: Coy: R.E.	Billets BRAQUEMONT.	200	
	2 Sections 253rd Tunn: Coy: R.E.	1 Sec: Mining 6th Div: Front. 1 Sec: Salving Light Railway.)	150	"
	South Irish Horse	-	200	
	1st Cyclist Battn:	-	210	
	From First Army	-	600	Details not yet received.

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APPENDIX

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Appendix 9

Scout's progress

9.6

OC. 3rd Australian Tunnelling Co

The B.G.C. 18th Inf Bde agrees to the proposed area for your work which was arranged last night - i.e. that you should take on :-

- Front line { Cameron crater saps between B.G. 1 and Cameron Alley
- { Front line from Bayan 44 to Bayan 46
- Support line { support line from Gordon alley to Scots Alley
- CT's { Gordon alley from Reserve Trench to support line
- { Cameron alley and Bayan 44
- { Scots alley ~~and Bayan 46~~ forward of Reserve trench and Bayan 46

He would like you to get the front-line done tonight if possible - anything first of all - He is trying to get all the rest of the front line done tonight with other labour and considers there would be less chance of a strike if he gets all done in one night -

15/6/17

[Signature]
CBE 6th Div ✓

ATTACH

SECRET.

APPENDIX 10. 28

B.M.501.

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O.C. 4th Line.	O.C. T.M. Btty.
5th Line.	468th Field Co R.E.
4th Leic.	3rd Aus. Tun. Co R.E.
5th Leic.	253rd Tun. Co R.E.
M. Gun Co.	

Work will be carried out tonight 15th/16th June as follows ;-

- (a) A new trench, as taped out last night, will be dug from M.24.c.85.75 to M 18 d 40.56.
170 men from the South Irish Horse) working under
170 men from I Corps Cyclists) the C.R.E.
will be employed in addition to 400 men from this Brigade.
The work will be under the supervision of the 468th Field Company R.E.
- (b) 1st Monmouths will be employed on clearing existing assembly trenches in the CITE de RIAUMONT.
- (c) 3rd Australian Tunnelling Coy R.E., will complete dug-outs at CHATEAU. The remainder to clear ABSALOM and CROCODILE (night work).
253rd Tunnelling Coy R.E., will clear CROCUS and COWDEN Trenches.

Reference (a) above.

O.C., 4th Leicestershire Regiment will provide a complete Company as covering party to be in position by 10-30 pm from about M.24.c.95.60 - thence East of the line of Posts in the Left Sub-sector to-FOSSE 9. These will come in at 2-30 a.m.

All Posts to be warned.

Password will be " LEMONS".

- (a) O.C., 5th Line Rgt., will find 300 men, with their Company Officers, under the 2nd in-Command or Senior Company Commander, for digging.
O.C., 4th Leic Rgt., will find 50 men, with their Company Officers under a Senior Company Commander, for digging.
Sector to be dug by these two parties is from ABSALOM inclusive to CROCODILE inclusive.
- (b) O.C., 4th Leic Rgt., will find 50 men with Company Officers to dig from CROCODILE Northwards.

Party (A) Rendezvous at Dressing Station M.28.b.70.05 at 9-30 pm.
Tools provided and R.E., Guides at Quarry-Dump.

Party (b) Rendezvous R.E., Headquarters M.28.b.40.50 at 9-30 pm.
Tools and R.E., Guides provided.

All Officers proceeding with working parties will meet O.C., 468th Field Company R.E., at R.E., H.Q., Post Office, M.28.b.40.50 at 4-0 pm. this afternoon.

Hubbard

Captain,

15th June, 1917.

Brigade Major, 138th Inf Bde.

APPENDIX //

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DISTRIBUTION.

Copies.

1st West Yorks.....	1
11th Essex.....	1
2nd D.L.I.....	1
14th D.L.I.....	1
18th M.G.Coy.....	1
18th L.T.M.Btty.....	1
C.R.E.....	1
12th Field Coy. R.E.....	2
11th Leicester Regt.....	3
4th B.W.I. Regt.....	1
3rd Australian T. Coy.....	1
253rd Tunnelling Coy.....	1
6th Divn "G".....	1
Garrison Adjnt. LOOS.....	1

PROGRAMME OF WORK COMMENCING NIGHT 15/16th JUNE - 14 BIS SECTION.

UNIT.	NOS.	RENDEZVOUS.	TIME.	TASK.	REMARKS.
2nd D.L.I. (10 Offs, 250 men)	2 Offs, 50 men.	Junction of Res.Line and RAILWAY ALLEY.	10 p.m.	Front line, from BOYAU 52. Southwards.	(1 Officer from each party (to report to an Officer (of 12th Fd.Coy.R.E. at (CRUCIFIX Aid Post at 8 p.m. (-Route via PICCADILLY to (CEMETERY Road through (LOOS to junction of ENGLISH (ALLEY and LOOS ALLEY.
	- do -	- do -	10.10 p.m.	- do -	
	- do -	Junction of ENGLISH ALLEY and Res.Line.	10.20 p.m.	Boyau 47 Northwards.	
	- do -	- do -	10.30 p.m.	Boyau 47 Southwards.	
	- do -	- do -	10-40 p.m.	Boyau 46 Northwards	
2 Coys 11th Leices.Regt. (Pioneers).	2 Platoons "B" Coy.			CHALK PIT ALLEY from GUN TRENCH towards Reserve Line.	(To commence work (at 11 p.m.
	1 Platoon "B" Coy. 3 Platoons "C" Coy.			Continue work on TOSH ALLEY. RAILWAY ALLEY, from Res. Line towards front line.	
3rd Aust. T, Company.	100 men.	Under arrangements with O.C. Tunnelling Coy.		SCOTS ALLEY to GORDON ALLEY including CAMERON ALLEY front and support line.	
253rd T.Coy.	140 men.	Junct. of POSEN ALLEY with VILLAGE LINE.	10 p.m.	Support Line from BOYAU 61 to BOYAU 52.	(Route: POSEN ALLEY Res. (Line, CHALK PIT ALLEY.
4/B.W.I. Regt.	150 men.	LONE HOUSE.	9 p.m.	North ST. from junct.with PICCADILLY, towards LOOS.	(Route LONDON Road; O.C. (12th Fd.Coy R.E. will (provide a guide.
	50 men (Day Party)	Under arrangements with 12th Coy. R. E.		South St. from Junct.with Union St., working towards ENCLOSURE.	
	75 men.	- do -		Continuing their present task.	

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ORDERS BY BRIGADIER-GENERAL C.V. WINGFIELD-STRAFORD. C.M.G.
C.R.E. 46th. DIVISION

O.C. 465th Field Co R.E.
O.C. 466th Field Co R.E.
O.C. 468th Field Co R.E.
O.C. 1st. Monmouths
3rd Australian Tunnelling Co.
253rd Tunnelling Co.
Headquarters "G" (for information)



1. O.C. 465th Field Co. R.E. will arrange for the taping of a new line N.18.b.32.50 to N.7.c.00.41. on night of 16/17th. and will have a dump of stores collected at N.17.a.25.35. for the digging and wiring of trench on night of 17/18th.
2. O.C. 466th Field Co R.E. will detail two Sections for making O.P's. at sites selected by C.R.A., an officer of 466th Field Co R.E. will be sent to C.R.A.'s office at 9 a.m. to-morrow to obtain instructions.
Remainder of Company will be employed on S.P. as previously detailed.
- 3 (a) O.C. 468th Field Co. R.E. will arrange for the taping out of a line of wire to protect the projected front assembly trench which will be wired on night of 17/18th. in addition to the taping out of the 2nd. line as directed in G/697/4 attached.

(b) He will also have the trenches commenced tonight completed on night of 16/17th, and continued North from the "F" in FOSSE to CORKSCREW Trench at N.18.b.35.60.
Troops available will be :-
170 South Irish Horse) Rendezvous and arrangements for
170 Corps Cyclists) tools to be made direct with O.Cs.
400 138th Brigade --- Details to be arranged with 138th. Bde.
30 Companies 1st. Monmouthshire Regiment.
- 4 The O.C. Monmouthshire will have his Companies detailed as below.
3 Companies for work as in 3 above, an officer to be sent to O.C. 468th Field Co R.E. at POST OFFICE LIEVIN N. 25.b.4.5. at 12 noon 16.6.17 to get instructions.
Half Company for work on CHATEAU
Half Company for work on Railways.
5. O.C. 3rd Australian Tunnelling Co. will continue work on dugouts by CHATEAU and the deepening and clearing of CROCODILE and ABSALOM Trenches as previously directed.
O.Cs will arrange for tools and assembly, work not to be commenced before 10-30 p.m.
6. O.C. 253rd Tunnelling Co. will work on CROCUS and COWDEN Trenches and will make his own arrangements for tools and assembly, work not to be commenced before 10-30 p.m.

Chas. A. Huston ✓

Lieut & Adjutant R.E.
for C.R.E. 46th Division

June 15th 1917

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 C.R.E. 48th Division.

With reference to 48th Division Order No 191

15th June 1917.

Work will be carried out as follows :-

1. Night 15th/16th June

- (a) New trench to be dug M.24.c.85.75 to M 18.d.40.58
 Troops to be employed -
 South Irish Horse (About 170 men)
 I Corps Cyclists do
 138th Inf. Bde. (approximately 400 men)
 G.O.C. 138th Infantry Brigade will arrange for
 a covering party of one complete company to be in
 position by 10-30 p.m. The work will be supervised
 by 468th Field Co R.E.

(b) All available men of the 1st Monmouths will be
 employed on clearing existing assembly trenches in
 CITE DE RIAUMONT.

(c) 3rd Australian Tunnelling Co. to complete dog-outs
 in CHATEAU. Remainder to clear ABSALON and CROCODILE
 trenches (night work)
 253rd Tunnelling Co. to clear CROCUS and COWDEN
 trenches.

Night 16th/17th June

As for night 15th/16th June.

In addition Trenches S. end of COPPER Trench to E.
 end of CORKSCREW Trench, and a second line about 75 Yds in
 front of this one to be taped by 465th Field Co R.E.

468th Field Co R.E. to tape out second line on
 E. side of cutting parallel to one described in para
 1 (a).

2. Work for succeeding days will be detailed later.

3. All men of the 3rd Australian Tunnelling Co will be
 billeted in LIEVIN, 253rd Tunnelling Co in ANGRES.
 3rd Australian Tunnelling Co. will make their own
 arrangements for billets, 253rd Tunnelling Co being
 allotted theirs by 138th Infantry Brigade (Advanced
 H.Q. ANGRES M.27.c.6.0.)

15/6/17

Sd/ G. THORPE Lieut-Col.
 General Staff 48th Division

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O R D E R S
BY
BRIG-GENL. C.V. WINGFIELD-STRATFORD, C.M.G.
C.R.E. 46TH. DIVISION.

O.C. 465th Field Co.R.E.
O.C. 466th Field Co.R.E.
O.C. 468th Field Co.R.E.
O.C. 1st Monmouths Regt.
O.C. 3rd Australian Tunnelling Co.R.E.
O.C. 253rd Tunnelling Co.R.E.
Headqrs "G". 46th Divn.



Work on the night of 17th/18th, will be as follows :-

468th Field Co.R.E.

1. Wiring of assembly trenches as taped out on night of 16th/17th.
2. Continuation of digging of trenches to E. of F in FOSSE to CORNSCREW TRENCH.
3. Troops available,
3 Companies 1st Monmouths.
170 South Irish Horse.
170 Corps Cyclists.
4. O.C. 468th Field Co.R.E., to arrange direct with O.C., parties as to time of assembly &c., and to provide necessary guides and supervision as required.
5. Arrangements to be made with 158th Infantry Brigade for covering party.
6. Lieut. MARSHALL to be detailed for taping out practice trenches, he should report to C.R.E., Headquarters, at 1 pm., on 17:6:17.

465th Field Co.R.E.

Supervision of wiring and digging of trenches taped out on night of 16th/17th.

466th Field Co.R.E.

Work on O.Ps and Strong Posts as arranged.

1st Monmouths.

Three Companies to be employed on wiring of new assembly trenches.
An Officer of each Company to get instructions from O.C., 468th Field Co.R.E., at POST OFFICE, LIEVIN at noon on 17:6:17.

3rd Australian Tunnelling Co.A.E.

Continuation of work on ABSALOM and CROCODILE Trenches, O.P., in BGIS de RIAUMONT and CHATEAU dug-outs.

253rd Tunnelling Co.R.E.

Continuation of work on CROCUS and COWDEN Trenches.

All O.C. Companies will render daily to C.R.E., by 9 am a short report on the work done the previous evening.

Chas. Atkinson
Lieut & Adjutant.R.E.
for C.R.E., 46th Division.

June 16th, 1917.

956
 COMMANDING
 ROYAL ENGINEER,
 I CORPS.
 No. 148
 Date

APPENDIX 14. 24

C.E. I Corps.
 No. 1374/58.

C.R.E., Corps Troops.

The Corps Commander inspected the RIDGE - VILLAGE Line yesterday and has made the following remarks on the work done :-

(a) Southern portion (up to junction with CRASSIER SWITCH).

Work has been very well done and is highly satisfactory.

(a) Northern Portion.

This portion of the line is still sketchy and needs more work done on it. EDGEWARE Post will be put in good order by the Brigade occupying it.

The wire in the Northern portion is rather weak in places and should be strengthened.

2. Please arrange for a few men to be put on this work to complete it as soon as the Tunnelling Coys. have completed the special work which they now have in hand.

R. E. Sheehy

Captain R.E.

17/6/17.

for Chief Engineer, I Corps.

2
 O.C. 3rd. Aust. (Tunnelling Co.)

As soon as you have a small party available for work on the Northern half of the RIDGE - VILLAGE, i.e. from PICCADILLY POST to junction with CRASSIER SWITCH, please let me know - I will go along the line beforehand with the officers concerned.

C. Mellon M.C. P.E.

C.R.E. Corps Troops.

17.6.17

ORDERS
BYBRIG GENL. C.V. WINGFIELD STRATFORD, C.M.G.,
C.R.E., 46TH DIVISION.

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O.C. 465th Field Co.R.E.
 O.C. 466th Field Co.R.E.
 O.C. 468th Field Co.R.E.
 O.C. 1st Monmouths.
 O.C. 3rd Aust:Tunnelling Co.R.E.
 O.C. 253rd Tunnelling Co.R.E.
 South Irish Horse.
 I Corps Cyclists.
 O.C. Detachment, 1st Cav: Division.
 138th Infantry Brigade.
 C.R.E., I Corps Troops.
 Headqrs "G" 46th Divn.

465th Field Co.R.E.

Complete front trench begun to-night and dig support trench.
 Troops available - Corps Cavalry.
 Arrangements for rendezvous to be made direct with O.C.,
 Cavalry.

466th Field Co.R.E.

O.P's. The O.P., in the BOIS de REAUMONT to be taken over
 from 468th Field Co.R.E., and arrangements made with
 O.C. 3rd Aust:Tunnelling Co.A.E., for tunnelling
 according to instructions given to O.C., 468th Field
 Co.R.E.

468th Field Co.R.E.

Arrange for completion of trenches commenced to-night, to
 North of FOSSH 9 and dig front line trench. Available
 R.Es to carry on with strengthening *cellars*.
 Troops available - S.I.H.
 I Corps Cyclists.
 3 Companies 1st Monmouths.
 138th Inf:Bde, by arrangement with Bde.
 Arrangements for rendezvous to be made direct with O.C.,
 parties.

3rd Aust:Tunnelling Co.A.E.

To carry on work commenced, and an Officer to see O.C.,
 468th Field Co.R.E., at Post Office, LIEVIN, M.28.b.4.5.
 in order to take over work in some of the cellars in
 SITE de REAUMONT.

253rd Tunnelling Co.R.E.

Continue work as previously detailed and open out trench
 from M.24.a.10.95 to second line trench.

1st Monmouths.

3 Companies of Monmouths will work as laid down in
 instructions to 468th Field Co.R.E., above. Detailed ~~units~~
 orders for the work to be obtained from O.C., 468th
 Field Co.R.E., at Post Office, LIEVIN, to-morrow
 morning.

Chas. A. Hunter
 Lieut & Adjutant.R.E.

for C.R.E. 46th Division.

June 17th, 1917.

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O R D E R S
BY
BRIG-GENL. C.V. WINGFIELD-STRATFORD. C.M.G.
C.R.E. 46TH. DIVISION.

Work for night 19th/20th.

O.C. 465th Field Co.R.E.
O.C. 466th Field Co.R.E.
O.C. 468th Field Co.R.E.
O.C. 1st Monmouths.
O.C. 3rd Aust:Tunnelling Co.A.E.
O.C. 253rd Tunnelling Co.R.E.
O.C. South Irish Horse.
I Corps Cyclists.
O.C. Detachment, 1st Cav: Divn.
138th Infantry Brigade.
O.C. 46th Divnl. Signal Co.R.E.
C.R.E., I Corps Troops.
Headqrs "G" 46th Divn.

*Rev 11.20 am
19/6/17*

465th Field Co.R.E.

Work will be commenced on the second line between "CORKSCREW" and "COLLEGE". One nights work only will be put on this work and the whole length should be commenced.

Work will be commenced on the tunnel under the railway connecting the new front line in the left sector with the new front line in the right sector.

Troops available Detachment 1st Cav. Div.

466th Field Co.R.E.

Work will be continued on O.P's. O.C. 468th Field Co.R.E., to make arrangements with 3rd Aust:Tunnelling Co.A.E., with reference to strengthening cellars and making further accommodation in CITE de RIAUMONT.

468th Field Co.R.E.

(a) Work will be continued on the digging of trenches between FOSSE 9 and CORKSCREW.

(b) Work will be continued on the C.T., from M.24.a.10.95 forward to new second line.

(c) Work will be continued on digging trench from M.24.c.45.60 to new second line at M.24.a.85.00.

Troops available for above - S.I.H. and Corps Cyclists, and 138th Infantry Brigade (if available).

(d) Wiring of front line from ABSALOM to FOSSE 9 by 3 Companies of 1st Monmouths.

Line to be taped out before men are put on the work.

Detailed arrangements of work to be settled direct with O.C. Parties by O.C. 468th Field Co.R.E.

3rd Aust:Tunnelling Co.A.E.

Work will be continued on ABSALOM and CROCODILE but concentrated in the forward portion of each trench joining up with the new line being dug.

253rd Tunnelling Co.R.E.

Work will be carried out on cable trench under O.C. Signal Co.R.E., as detailed to-day.

1st Monmouths.

Work on wiring of front line from ABSALOM to FOSSE 9 by 3 Companies. An Officer to O.C. 468th Field Co.R.E. at Post Office LIEVIN at noon to-morrow to arrange details.

*Chas. Adkins
Lieut & Adjutant, R.E.
for C.R.E. 46th Division.*

18/6/17

356

O R D E R S
BY
BRIG-GENL. C.V. WINGFIELD-STRATFORD. C.M.G.
C.R.E., 46TH DIVISION.

Work for 20th and night 20th/21st.

- O.C. 465th Field Co.R.E.
 - O.C. 466th Field Co.R.E.
 - O.C. 468th Field Co.R.E.
 - O.C. 1st Monmouths.
 - O.C. 3rd Aust:Tunnelling Co.A.E.
 - O.C. South Irish Horse.
 - I Corps Cyclists.
 - O.C. End Cav: Bde Pioneer Bn.
 - 139th Infantry Brigade.
 - C.R.E. I Corps Troops.
 - Headqrs "G" 46th Divn.
-

465th Field Co.R.E.

- 2 Sections to work under instructions from 139th Inf:Bde.
- 1 Section to work on tunnel under railway connecting left and right sectors at CAVALARY TRENCH.
- 1 Section resting.

466th Field Co.R.E.

- 1 Section on O.P's.
- 1 Section on Advanced Bde: Headquarters.
- 1 Section improving and strengthening entrances to cellars.
- 1 Section instructing Units of 137th Inf:Bde in wiring.

- 468th Field Co.R.E.)
- Cav:Bde Pioneer Bn.)
- South Irish Horse)
- Corps Cyclists)
- 1st Monmouths)
- 139th Inf:Bde)
- 3rd Aust:Tunn: Co.)

Programme attached for work to night 22nd/23rd inclusive.

Chas Attentis

Lieut & Adjutant.R.E.
for C.R.E. 46th Division.

June 19th, 1917.



P R O G R A M M E O F W O R K .

 under supervision of O.C. 468th Field Co., R.E.

The following names have been given to the new trenches and are referred to by their names below :-

Front Line to be known as CAVALRY TRENCH
 Second : : : CYCLIST TRENCH
 Communication Trench (M.18.c.05.08 to CAVALRY) CRIME TRENCH
 Trench M.24.c.40.57 to M.24.a.85.05 AUBURN TRENCH

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Date.	Work.	Troops available.	Approx: Strength.	REMARKS.
Night 20th/21st.	1. Digging of CAVALRY TRENCH from M.24.c.85.75 to FOSSE 9.	Cavalry. S.I.H. Cyclists. 1st Mons.	450 170 150 250	The Cavalry will dig from ABSALOM to CROCODILE. Remainder to work from CROCODILE Northwards. Line to be taped before work is commenced.
	2. Deepening and connecting CRIME to CAVALRY TRENCH as taped out.	139th Bde.	200	
	3. Continue digging of AUBURN TRENCH begun on night of 19th/20th.	3rd Aust: Tunn:Co.	60	
Night 21st/22nd.	1. Continue as above.	as above.	as above.	
	2. Continue on CRIME & complete. Deepen CROCODILE.	139th Bde.	200	
	3. Continue digging of ABSALOM TRENCH in front of AUBURN TRENCH.	3rd Aust: Tunn:Co.	60	
Night 22nd/23rd.	Work on CAVALRY, CYCLIST, AUBURN, CRIME, CROCODILE and ABSALOM where necessary and complete.	Cavalry S.I.H. Cyclists 1st Mons 139th Bde.	450 170 150 250 200	The 3rd Aust:Tunn:Co will be required for tunnelling of dugouts if the situation permits. Orders will be issued later.

NOTE: O.C. 468th Field Co., R.E., will arrange direct with O.C., Working parties for the work of each night and will furnish guides &c., as required.

Chas. A. Hurlin

Lieut & Adjutant, R.E.
 for C.E.F. 46th Division.

APPENDIX 16

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June 19th. 1917

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S E C R E T.

46th Division No. G.555/59.

138th Infantry Brigade,
139th Infantry Brigade,
1st Monmouth Regt.,
3rd Australian Tunnelling Coy.,
South Irish Horse,
I Corps Cyclists,
2nd Cav. Bde. Pioneer Bn.

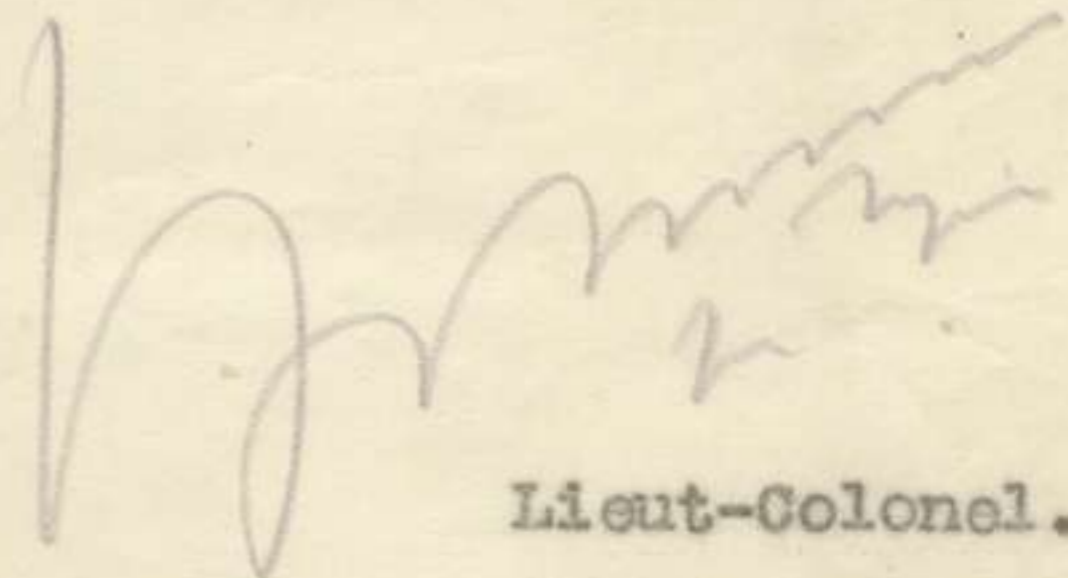
W O R K.

1. A programme of work for information of Officers Commanding has been issued by the C.R.E., 46th Division, under date, 19th June.

2. Although the R.Es., will supply guides as far as is necessary and possible, the Officers Commanding Detachments should arrange for previous reconnaissance and be quite certain from their own inspection of the routes to, and the locality of, the work on which they will be engaged.

They can then in most cases take their own men on to the ground with a full knowledge of what is required.

The O.C., 468th Field Company, R.E., will always be able to give any additional information that may be wanted.



Lieut-Colonel.

General Staff, 46th Division.

20th June 1917.

Copy to:

C.R.E. (for information).

Secret: 356
Urgent.

ORDERS
BY
BRIG-GENL. C.V. WINGFIELD-STRAFORD C.M.G.
C.R.E. 48th DIVISION

For work on night 21/22nd. under
O.C. 48th Field Co R.E.

- O.C. 48th Field Co R.E.
- O.C. 48th Field Co R.E.
- O.C. 2nd. Cav. Bde. Pion. Bn.
- O.C. Monmouths.
- 139th Inf. Brigade.
- 3rd Australian Tunnelling Co. ✓
- C.R.E. I Corps Troops.
- Headquarters "G"
- *****

Cavalry Pioneer Battn. (a) Will improve CROCODILE and cut a trench through the cutting at N.24.a.85.58.
 (b) Will work on Cavalry trench from CROCODILE to the road i.e. about N.24.a.9.6. to about N.24.a.99.25.
 O.C. 48th Field Co R.E. will arrange for a guide to be at WHIZZBANG CORNER at 9-30 p.m. to-night 21/6/17.

- Monmouths Will work on AUBURN TRENCH
- 139th. Brigade (100) Will complete GRIMS TRENCH
- 3rd Australian Tunn. Co. Will work on ABSALOM TRENCH as pointed out by G.S. this morning. Remainder of men to assist 48th Field Co R.E. on tunnelling in the Pimple BOIS DE RIAUMONT. (10 men)
 O.C. 48th Field Co. & O.C. 3rd Australian Tunn. Co. will get in touch with one another to arrange details.
- 48th Field Co R.E. Will arrange for the correction of the taping out of the CAVALRY TRENCH where it joins ABSALOM TRENCH. He will also arrange all details with the above parties.
- SOUTH IRISH HORSE No work
- CYCLISTS No work.

The pass word for to-night is MANHALADE

Chas A. Hinton
Lieut & Adjutant R.E.
for C.R.E. 48th Division

June 21st. 1917.



ORDERS

By.

BRIG-GENL C.V. WINGFIELD-STRATFORD C.M.G.
C.R.E. 46th DIVISION.

For work on night 22/23rd under
468th Field Co R.E.

O.C. 468th Field Co R.E.
O.C. 468th Field Co R.E.
South Irish Horse.
2nd Cavalry Bde. Pioneer Bn.
Corps Cyclists
O.C. Monmouths.
3rd Australian Tunnelling Co. ✓
Headquarters "G"
C.E. I Corps.
C.R.E. I Corps Troops.

Cavalry Pioneer Battn.

Work on CAVALRY and ABSALOM Trench from
junction of ABSALOM and AUCTION to the
road at M.24.a.99.25.

1st Monmouths.

Work on AUBURN TRENCH

South Irish Horse
&
Cyclists.

Work on CYCLISTS TRENCH from its junction
with AUBURN to CRIME. The men to be put on
where work is required to complete it.
Any surplus men to work on CRIME.

468th Field Co R.E.

Will erect 2 barricades across the road
where CYCLIST & CAVALRY cross the road at
approx. M.24.a.20.25 and M.24.a.99.25.
Steps will also be made from the trench
down into the road and sited so as to be
concealed from view as far as possible.
He will also arrange all details with above
parties and supply guides etc. as required.

Monmouths.

Work will be continued on consolidation
of AFRICA TRENCH as directed by 138th.
Brigade.

3rd Australian Tunn. Co.

Will work on Dug-outs and shelters in
M.30 central as detailed by C.R.E. and
on O.P. in BOIS DE RIAUMONT with 468th.
Field Co R.E.

The pass word for to-night will be "JAM"

Chas Admittin

Lieut & Adjutant R.E.
for C.R.E. 46th Division.

June 22nd. 1917.

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ORDERS
BY
BRIG-GENL. G.V. WINGFIELD-STRATFORD, C.M.G.
C.R.E. 46TH DIVISION.

- O.C. 465th Field Co.R.E.
- O.C. 466th Field Co.R.E.
- O.C. 468th Field Co.R.E.
- O.C. South Irish Horse.
- O.C. 1st Monmouths.
- O.C. 3rd Austn Tunn: Co.A.E.
- Headqrs "G" 46th Division.
- C.E., I Corps.
- C.R.E., I Corps Troops.



No work to be carried out on front line trenches on night 24th/25th South of CROCODILE.

465th Field Co.R.E.

To assist 139th Inf: Bde: in defence of FOSSE 9. To get in touch with the 139th Inf: Bde: and arrange details &c.

466th Field Co.R.E.

To continue present work on O.Ps &c. No work will be done in the Bois de RIAUMONT. *brought*

468th Field Co.R.E.

To arrange for carrying ladders from forward dumps and taking same to a convenient place in the hollow at the head of CRIME.

Men available - S.I.H.

To arrange to have the cellars strengthened in the new Battalion H.Q., at :-

Right Battalion.	M.30.c.75.95
Left "	M.30.a.10.45

South Irish Horse

To carry ladders, guides will be supplied by O.C. 468th Field Co.R.E.. To rendezvous at Post Office LIEVIN at 9.15 pm., 24:6:17.

1st Monmouths.

Will not be required for work under the C.R.E.

3rd Austn: Tunn: Co.A.E.

Continuation of work in M.30 central.

No work to be done in the Bois de Riauxmont to-night.

Chas A. Martin
Lieut & Adjutant.R.E.
for C.R.E. 46th Division.

June 24th, 1917.

ORDERS
BYBRIG-GENL. C.V. WINGFIELD-STRATFORD, C.M.G.
C.R.E. 46th DIVISION.

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O.C. 465th Field Co.R.E.
O.C. 466th Field Co.R.E.
O.C. 468th Field Co.R.E.
O.C. 2nd Cav: Bde: Pioneer Bn.
O.C. South Irish Horse.
O.C. 3rd Aust: Tunn: Co.A.E.
Headqrs "G" 46th Division.
Chief Engineer, I Corps.
C.R.E. I Corps Troops.

Work for night 26th/27th June 1917.465th Field Co.R.E.

1. Improve CRIME TRENCH.
2. Work as required by 139th Infantry Brigade.
3. Tunnel under railway.
Working parties to be obtained from 139th Infantry Brigade.

466th Field Co.R.E.

At disposal of Brigadier General Commanding 137th Infantry Brigade. Any men not required by 137th Infantry Brigade to carry on with O.Ps.

468th Field Co.R.E.

1. CROCODILE Trench to be deepened and screened so as to ensure that troops walking in trench are not seen.
2. Cut steps in railway embankment for troops to get out of cutting by - and make slits in embankment to afford protection from shelling.
3. Complete placing ladders in CAVALRY and CYCLIST Trenches.
4. Complete trench from M central to ABSALOM by U in Gite du BOIS de LIEVIN and any places in CAVALRY, CYCLIST or ABSALOM Trenches that may require attention.

Troops available -

2nd Cav; Bde; Pioneer Bn.	400
South Irish Horse.	100
468th Field Co.R.E.	

O.C. 468th Field Co.R.E., will arrange to guide the working parties and show them the work to be done.

This must be ~~see~~ clearly explained to the Officers before the men are put on the task.

O.C. 468th Field Co.R.E., should arrange that ladders are brought as near as possible to the site of the work by wheeled transport.

3rd Aust: Tunn: Co.A.E.

Continuation of work in hand.

The password for to-night is "COWSLIP".

C. Wingfield-Stratford

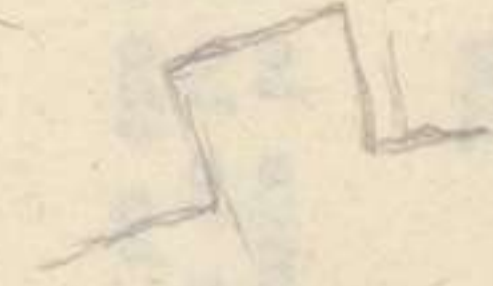
Brig-Genl.

C.R.E. 46th Division.

June 26th, 1917.

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APPENDIX

46th DIVISION ORDER No 198

Ref : Map, LENS 36.C. S.W.1. 1/10,000

22nd June 1917

1. The 137th Infantry Brigade will on 24th instant capture and consolidate the enemy's front and second lines AHEAD and ADMIRAL Trenches. Line to be consolidate to run along BOOT Trench, thence to M.30.b.5.4. thence along ADMIRAL Trench to M.30.b.35.98, thence to M.24.d.22.20.
2. I Corps H.A. are bombarding ADMIRAL and AHEAD trenches from ALICE Trench northwards from 10 a.m. to 7-45 p.m. 24th instant Divisional Artillery are co-operating as follows :-
Enfilade fire on ALMANAC, ALICE and AGNES Trenches.
Trench mortars will co-operate as follows :- 2" mortars by wire cutting in front of AHEAD Trench from ALICE Trench to M.24.d.22.20, 4.5" trench mortars bombarding on trench east of M.24.d.40.30
3. The infantry attack will take place from south to north Zero will be notified later.
Artillery
4. At Zero, Divisional will :-
(a) Barrage AHEAD Trench from its junction with ALICE Trench to M.24.d.22.20 and ADMIRAL Trench from M.30.b.50.50. northwards, lifting as infantry advance is carried on.
(b) 4.5" howitzers will bombard PIT in M.30.d. and embankments between PIT and River SOUCHEZ.
(c) AGNES and ALMANAC Trenches will be kept under enfilade fire.
(d) I Corps H.A. bombarding RESERVOIRS for 20 minutes with two 6" howitzers and blacking trench at M.24.d.75.42. with two more 6" howitzers for half-an-hour
5. Machine Gun barrages from Zero onwards will be arranged by Divisional Machine Gun Officer and will include an enfilade barrage on the approximate line N.25.a.3.1. to M.24.d.65.45 and an overhead barrage from the River SOUCHEZ to N.25.a.3.1. Arrangements will also be made for supporting the advance by direct machine gun fire at short range.
6. It is probable that 4th Canadian Division will at Zero attack the PIT in M.30.d. If this is arranged the necessary modifications will be made to the artillery programme.
7. Watches will be synchronised from Divisional Headquarters at hours to be notified later.
8. ACKNOWLEDGE.

Sd/ G. THORPE Lieut -Col.
General Staff 46th Division.

✓ O.C. 466th Field Co R.E.
3rd Australian Tunnelling Co A.E.
O.C. 1st Monmouths.

For your information please.

ACKNOWLEDGE.

Chas. A. Hunter

Lieut & Adjutant R.E.
for C.R.E. 46th Division.

June 23rd 1917.

Zero will be 9.30 pm
CWS

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Secret

Copy No 2

APPENDIX 17
45

46th DIVISION ORDER No 200

Ref : Map LENS 36 C S.W.1
1/10,000

23rd June.1917

The following amendmants and additions to Order No 198 will be made. :-

1. Bombardment by I Corps H.A. will commence at 11 45 am and continue till Zero.
The bombardment by I Corps H.A. detailed in para 4 (d) of Order No 198 will commence at Zero.
- 2 Zero will be at 9-30 p.m.
- 3 The 4th Canadian Division are at Zero advancing their posts to the embankment at M.50.d.9.4 and the PIT at N.25.c.1.9.
The howitzer fire detailed in Para 4 (b) of Order 198 will therefore not take place or the machine gun barrage from the river SOUCHEZ to N 25 a 3 1
This advance by the 4th Canadian Division will be covered by a rolling barrage from the river SOUCHEZ northwards to M 30 b 8 2, carried out by Canadian Artillery.
- 4 The 46th Divisional Artillery barrage as detailed in para 4 (a) of Order 198 will remain stationary for five minutes, guns then being lifted off AHEAD and ADMIRAL Trenches 50 yds at a time every 3 minutes from the southern limits of the barrage, re-opening fire on their new S.O.S. lines by batteries at a slow rate for 40 minutes.
- 5 Watches will be synchronised from Divisional H.Q. by telephone to I Corps H.A at 10 a.m. An Officer from Divisional H.Q. will bring the time to 137th. Infantry Brigade H.Q. at 2 p.m.
Further synchronization of watches with I Corps H.A. will take place by telephone from Divisional H.Q. at 3 p.m.

ACKNOWLEDGE

Sd/ G. THORPE Lieut-Col
General Staff 46th Division.

✓ G.C.46th Field Co R.E.
3rd Australian Tunn. Co. A.E.
O.C. 1st. Bn. Monmouthshire Regt.

For your information please

ACKNOWLEDGE.

Chas. Atkinson

June 23rd 1917

Lieut & Adjutant R.E.
for G.R.E. 46th Division. ✓

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APPENDIX 18

Appendix 18.

Controller of Mines,
First Army.

I. of M.
2515.

In order to reduce the amount of work entailed by the Company Reports, as far as information required in this Office is concerned, will you please note that sketches of dugouts, Machine Gun Emplacements etc. are only required :-

1. When the work is commenced.
2. When the work is completed - when any varieties in the original sketch (1) should be recorded.

It is suggested that labour could also be saved by making one sketch do for two or more dugouts when the type remains the same, and the actual design varies slightly to fit in with the accidents of the ground.

(Sd) R.N. Harvey,
Brig.-General,
Inspector of Mines.

G. H. Q.,
25/6/17.

X X X X X X X X X X X X

O.C., No 3 Aust Coy., R.E.

C.M. // 1062 / 2.
First Army.

For information and necessary action, please.

H.H. Gill
Major R.E.,
A/Controller of Mines,
First Army.

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SECRET & PRESSING.



O.C. 3rd Austn: Tunn: Co.A.E.
O.C. 170th Tunnelling Co.R.E.
Chief Engineer, I Corps.
C.R.E., I Corps Troops.
Headqrs "G" 46th Division.

1. The dividing line between the Right and Left Sectors for the parties detailed for searching for traps will be the LIEVIN - LENS road, instead of that previously stated. The LIEVIN-LENS road will be inclusive to the Left Sector.
2. O.C. 170th Tunnelling Co.R.E., will furnish the parties South of this road and will get intouch with :
 - (i) Brig-Genl., Commanding 138th Infantry Brigade. Advanced Headquarters., M.29.a.65.20.
 - (ii) Brig-Genl., Commanding 137th Infantry Brigade. Advanced Headquarters., M.23.c.60.85.

These two Brigades will be South of the road.
3. O.C. 3rd Australian Tunnelling Co.A.E., will get in touch with the Brig-Genl., Commanding 139th Infantry Brigade, Advanced Headquarters M.9.d.30.90., this Brigade being North of the road.

C. Myer. Sta. Prod.

Brigadier-General.
C.R.E., 46th Division.

June 29th, 1917.

W.B.



APPENDIX 20.

6th Divn. GO/2/85(8).

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G.O., 11th Essex Regt.
2nd D.L.I.
M.G. Coy.
L.T.M. Btty.
Right Group R.F.A.
3rd Australian T. Coy.



The following message has been received from the Divisional Commander, and is forwarded for communication to all ranks:-

"In view of all the circumstances, the Divisional Commander considers that the Raid carried out yesterday by the 2nd D.L.I. and 11th Essex Regt. was a very fine achievement. He wishes his appreciation and congratulations conveyed to those Battalions and to all concerned in the Raid."

[Handwritten signature]

30/6/17.

Captain,
A/Bde. Major, 18th Infantry Bde.

C. E. First Corps
Essex Div.
G.O.C. 18th Inf. Bde
Controller of Mines. 1st Army.

APPENDIX 21
A.N. 0636.

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Copy

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During the raid at HILL 70 by the 18th Infantry Brigade yesterday evening, three parties of the 3rd Australian Tunnelling Company each comprising 1 N.C.O., and 6 sappers, under the command of Capt. A. Sanderson M.C., went over the block in the old German front line at H1a 45.80 for the purpose of carrying out an examination and demolition of the enemy's mine system between that point and H31 0 92.05.

The parties left the block at zero plus 5 minutes. Three mine shafts were found and destroyed.

Shaft marked "A" on sketch is 5'6" x 3' and inclined for 30' from surface at 3:1 on a bearing of about 340°. Then on a bearing of about 70° for 6' on 3:1 incline followed by 12' on level at which point it junctions with a gallery from the communication trench. This gallery is level and was followed on bearing of about 340° for 80 feet at which point an incline commences on slope of about 3:1.

Three electric leads were tacked on the back of the gallery. These were destroyed. Owing to the infantry bombing party having thrown a number of bombs into the shaft completely filling it with smoke, the party was unable to continue the examination further. A charge consisting of 150 lb of ammonal and 10 lb of guncotton was fired at 7.50 p.m. at the point marked X on sketch completely wrecking the gallery.

Shaft marked "B" (on sketch) about 5' x 8'6". Owing to the smoke from bombs, which had been thrown into the shaft by our ^{infantry} bombers, it was found impossible to examine this shaft below a depth of about 30'. At about a depth of 30', a charge of 150 lb of ammonal and 10 lb of guncotton was fired at 7.55 p.m., completely wrecking the shaft.

Shaft marked "C". This is a big shaft, on about 3:1 incline and bearing about 350° with gallery turning off to right about 30' below the surface. This shaft was followed down for about 50', but owing to the smoke from bombs being very dense it was impossible to further explore it.

Two electric leads which were fastened along the back of the gallery were destroyed. A charge of 130 lb of ammonal and 10 lb of guncotton was fired in the junction 20' below the surface at 8 p.m., destroying the shaft.

The two dugouts marked "D" & "E" from which some of the enemy threw bombs were both destroyed at 7.16 p.m., by mobile charges.

The parties commenced to slowly withdraw at 8.5 p.m. and reported at the rendezvous at (Cameron shaft) at 8.30 p.m.

Casualties were:-

- 1 Officer slightly wounded, (remaining on duty)
- 1 N.C.O., severely wounded.
- 1 O.R. killed.
- 1 O.R. slightly wounded.

Each party engaged on the above operation worked splendidly under very trying conditions.

I cannot praise too highly the excellent behaviour of the infantry (11th Essex Batt.) engaged on the raid under cover of which the above operation was carried out; particularly one sergeant and a corporal were deserving of mention, but unfortunately, I did not get their names. The enemy were in greater numbers ^{than our infantry} and put up a fierce resistance. A great many of the enemy were killed. Praise is also deserved for the very excellent shooting in the barrages put up by the artillery.

Alex. Sanderson
Captain,

39/8/17.

Acting O.C. 3rd Australian Tunnelling Company.

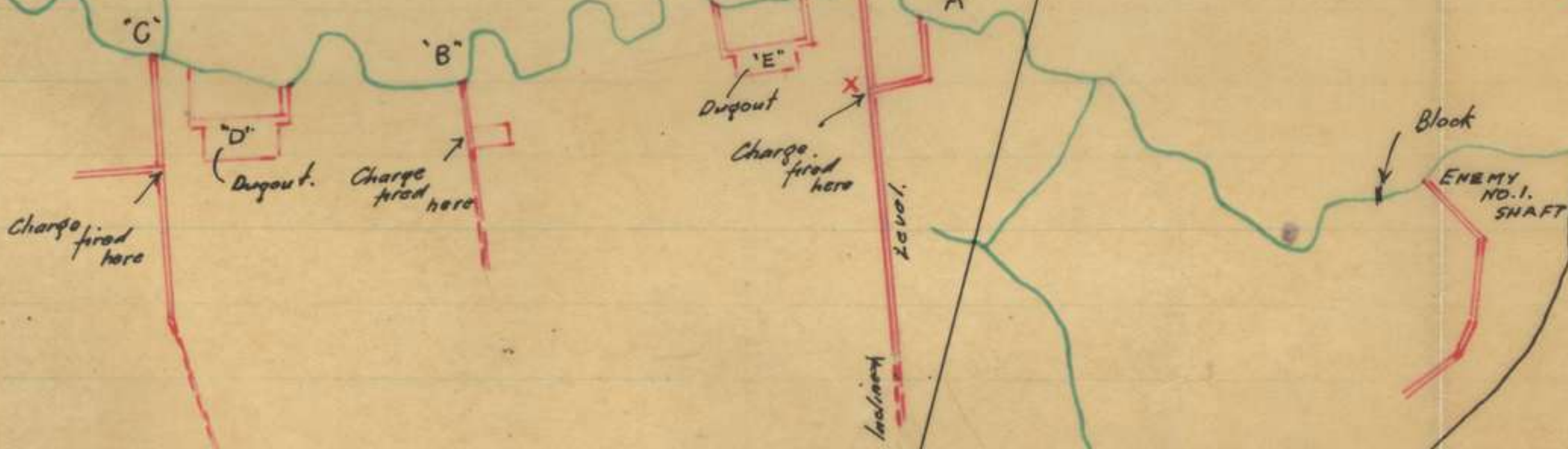
SKETCH

Showing positions of enemy shafts and dugouts destroyed by 3rd Aust. Tunnelling Company during raid on 28.6.17.

356

Alley

Nash



BRITISH

No. 1. SHAFT.

CAMERON SHAFT

Scale 1/800

Alex. Sanderson
Capt
3rd Aust. Tunn. Coy.

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46th Division.
 C.R.E. 46th Division.
 Controller of Mines, First Army. (For information)
 175rd Tunn.Coy. R.E.
 3rd Australian Tunn.Coy. R.E.
 Capt. Ball, R.E.

 No.1195/3 (G.b.) 26th April, 1917.

- Cancelled*
1. O.C. 175rd Tunnelling Coy. R.E. and O.C. 3rd Australian Tunnelling Coy. will each detail a party of 3 Officers and 30 O.Re. to be held in readiness to move forward at a few hours' notice to search for, investigate and remove enemy's mines, traps, etc.
 2. The area allotted to each party is drawn on attached map.
 3. Investigation will be made first of Main Roads, Road Junctions, Railways, Bridges, Squares, and important buildings and afterwards of the remainder of the area.
 4. On discovery of an enemy mine or trap, sentries will be posted and a conspicuous notice erected to give warning until such a time as the mine or trap can be rendered harmless.
 5. The discovery of a mine or trap will be reported at once to the nearest Brigade Headquarters and to Tunnelling Company Headquarters who will forward the information received to the Division and G.E., I Corps.

W. C. ...

for Brigadier General,

General Staff, I Corps.

✓

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SECRET.

C.E. I Corps.
No. 1374/54.

52

6th Division.

No. 576 (G.b). 5th June, 1917.

In reply to your No. G.O.9/28 dated 2nd June, 1917.

This matter has been further discussed by the Chief Engineer, I Corps, with the Controller of mines, and the conclusion drawn is that the Tunnelling Coy. Commanders probably did not clearly understand what was wanted.

Para. 3. The fact that an enemy's gallery is say 12' away and that 12' can be driven in 8 hours, does not mean we can guarantee breaking through, because of the probable difference in depth.

The breaking through to the German galleries in the crater fighting on BOHEM VOLLERN, although successful, took 3 to 4 days to go a short distance, although we had actually surveyed the German mines.

Para. 4. G.C. Parties concerned have been instructed to get in touch with Brigade Commanders, who are free to issue such instructions with regard to the parties detailed as you may consider advisable.

No time should be lost in meeting the situation and it is considered that Brigade Commanders might wisely leave the decision as to when parties should move forward to Battalion Commanders.

Para. 5. The parties detailed are only reconnaissance parties. All the men of the Tunnelling Companies in the line at the time will be at the disposal of the reconnaissance party to remove enemy's charges and to open up entrances to dug-outs and mine systems if necessary and to follow them up to make examination more thorough. They will also endeavour to break through from our mine galleries to the enemy's galleries and establish underground communication across 'No Man's Land'.

It should be understood that the instructions issued by my No. 597 (G.b) dated 1st June, 1917, only deal with a small withdrawal of the enemy, e.g. a withdrawal from his front line system. Special arrangements have been made for a withdrawal of the enemy on a larger scale and instructions would be issued in this event for the examination of villages, cross roads, main buildings, &c.; action in case of mines or traps being discovered; reports to be rendered to Divisions. Special notices showing 'safe' and 'danger' are being prepared and would be issued by the Corps.

Sd. H.B. SANDILANDS, Major G.S.
for Brig. General,
General Staff, I Corps.

(2).

G.O. of Mines, First Army.
G.C. 170th Tunnelling Coy. R.E.
G.C. 253rd Tunnelling Coy. R.E.

For information.

J. H. Sheehy

Captain R.E.

for Chief Engineer, I Corps.

6/6/17.

Copy :- G.C. 3rd Australian Tunn: Coy.

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Headquarters I Corps No. Q.O. 1795.

COMMANDING ROYAL ENGINEER, I CORPS.	
No.....	202.
Date.....	

First Army.

With reference to G.H.Q. Letter No.1/a/E/72, dated 21/5/17.

As it has been found that the information derived from the examination of captured War Material has been of great value in arriving at the condition of the enemy's resources, a special Section known as the War Trade Intelligence Section, working under the Intelligence Branch of the General Staff is now being organised, and this personnel will visit your Army for this special work.

They should be granted the necessary authority -

1. To visit all salvage dumps for the purpose of examining all enemy material that may be passing through.
2. To remove such samples of either material, rations, or foodstuffs that they consider should be sent home for analysis.
3. To arrange for all samples so selected to be packed and despatched to the Ordnance representative of Divisions or Corps to the Bases, when they will be despatched Home to the D.D.O.S., Woolwich Arsenal.

I shall be glad if you will issue the necessary instructions to ensure this being done.

G.H.Q.,
29th May, 1917.

Sd. C.T. Dawkins, Major-General.
for Quartermaster General.

2.

C.R.E. I Corps Troops.

For information and necessary action should any of the War Trade Intelligence Section visit I Corps.

H.Q. I Corps.
6th June, 1917.

Sd. J. Buckley, Captain,
for D.A.Q.M.G. I Corps.

3.

- O.C. 170th Tunnelling Coy, R.E.
 - O.C. 253rd Tunnelling Coy, R.E.
 - O.C. 3rd Australian Tunn. Coy.
 - O.C. 31st (A.T.) Company, R.E.
 - O.C. 560th (Hents) A.T. Company, R.E.
-

For information.

S. H. Morgan

7/6/1917.

Lieut. & Adjutant,
R.E. Corps Troops.

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APPENDIX

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APPENDIX 25.

The O.C.
No 1 Sect.

3rd Australian Tunnelling Coy 356

I wish to express to you my thanks for, and high appreciation of, the services voluntarily rendered to me by N^o 4485 P^t Thomas. R.G. of the Section under your command, on the evening of the 9th inst, he volunteered to help my men in bringing in some wounded who we had kept in cellars under cover after our little stint the night before, and rendered very valuable assistance to me. It is most gratifying to receive such an offer of help from our side our own Regiment, and shows good comradeship.

Capt Godd at Wolah
1/4 Lincoln Regt.

11-6-17



356

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LV/C **APPENDIX** 26

TELEGRAPHIC ADDRESS:-
"COMBANKAUS, LONDON."

TELEPHONE:-
LONDON WALL 1675 (3 LINES)



In reply please
quote M.S.B.D. N.S.W.

Commonwealth Bank of Australia

36-41, New Broad Street.

London, E.C. June 20th 1917.

ALL LETTERS TO BE ADDRESSED
"THE MANAGER."

No. 998 - Sapper H. Fisher,
3rd Aust. Mining Coy., A.I.F.,
Broad Campden,
Glos.

Dear Sir,

Account No. 125411 - Sydney.

We have received your letter of the 19th instant, and in reply desire to say that we have not been advised of any allotment for credit of the above account, and your balance is still 5/9d. It would, therefore, appear as if your instructions to the Military Authorities in the matter were not quite clear, otherwise the presumption is that they would have been acted upon.

We are most wishful to do all we can in the interests of members of the A.I.F., and if you will kindly complete and return the enclosed form, supplying particulars of your account, we shall be pleased to cable to Sydney on your behalf. The cost of the message will require to be borne by you when a remittance is received.

Yours faithfully,

C. A. B. Cameron
Manager. *W.P.*

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IV/MW

TELEGRAPHIC ADDRESS:-
"COMBANKAUS, LONDON."TELEPHONE:-
LONDON WALL 1675 (3 LINES)

L.B.39.

APPENDIX 26.

In reply please
quote M.S.B.D...N.S.W.

Commonwealth Bank of Australia

ALL LETTERS TO BE ADDRESSED
"THE MANAGER."

36-41, New Broad Street,

London, E.C. 2nd., July, 1917

Pte. H. Fisher. 998.
Aust. Miners Batt.
Australian Base France.

Dear Sir,

Account No. 125411. Sydney.

We are in receipt of your letter of 26th. ult., and in reply desire to say that we have been fully advised regarding your Military Savings Bank Account, on which there is an available balance as at foot, according to the latest information received by mail from Australia. If you would like us to send you a portion of this amount, please complete and return the enclosed Withdrawal Form and instruct us how you would like the amount remitted.

Owing to the prohibition of registered letters for soldiers by the Australian Military Authorities, and the disappearance of letters containing Notes sent under instructions through the non-registered post, we regret that we are obliged to discontinue using for the present the Australian Camp Post Offices as a means of transmitting moneys.

As you are aware, they can be remitted by registered letter for delivery through the ordinary English Post Office or by our Cheque, which you could arrange to cash through a local Bank, after identification, or through the Chief Paymaster, by means of your paybook, the amount being made available in the latter case irrespective of the balance in your paybook.

Assuring you that our desire is to meet your convenience in every way in our power, and awaiting your further instructions.

I am Dear Sir,
Yours faithfully.

Manager.

Pass-book Number. 125411.
Branch where Account opened. Sydney
Available balance. £- 5/9.
Date of last Advice from Sydney April 13th. 1917.

To facilitate reference kindly quote in correspondence the Branch where your A/c was opened and the Passbook number.

Perth
25382 *3/-*



APPENDIX 27

Appendix 27.
 PAYMASTER A.I.F.
 ATT'D 1ST ANZAC
 Ref. No. 2/4/5
 Date

Ob.
 3rd Aust. Tunnelling Coy

Pay Sergeant.

Reference yours a.m. 0409 to A.A.G., A.I.F., which has been referred to me in connection with appointment of Pay Sergeant, the following is an extract from advice to me of Australian Paymaster Boulogne.

"The Adjutant of this unit does not consider the appointment of a Pay Sergeant a necessity in his unit. At present there is a Sergeant who spends most of his time at pay work. The S.E.O. is a middle aged man and appears to be quite capable. We have no complaints concerning the way in which this work is forwarded to this office."

Please advise me of your views as early as possible.

22.6.17

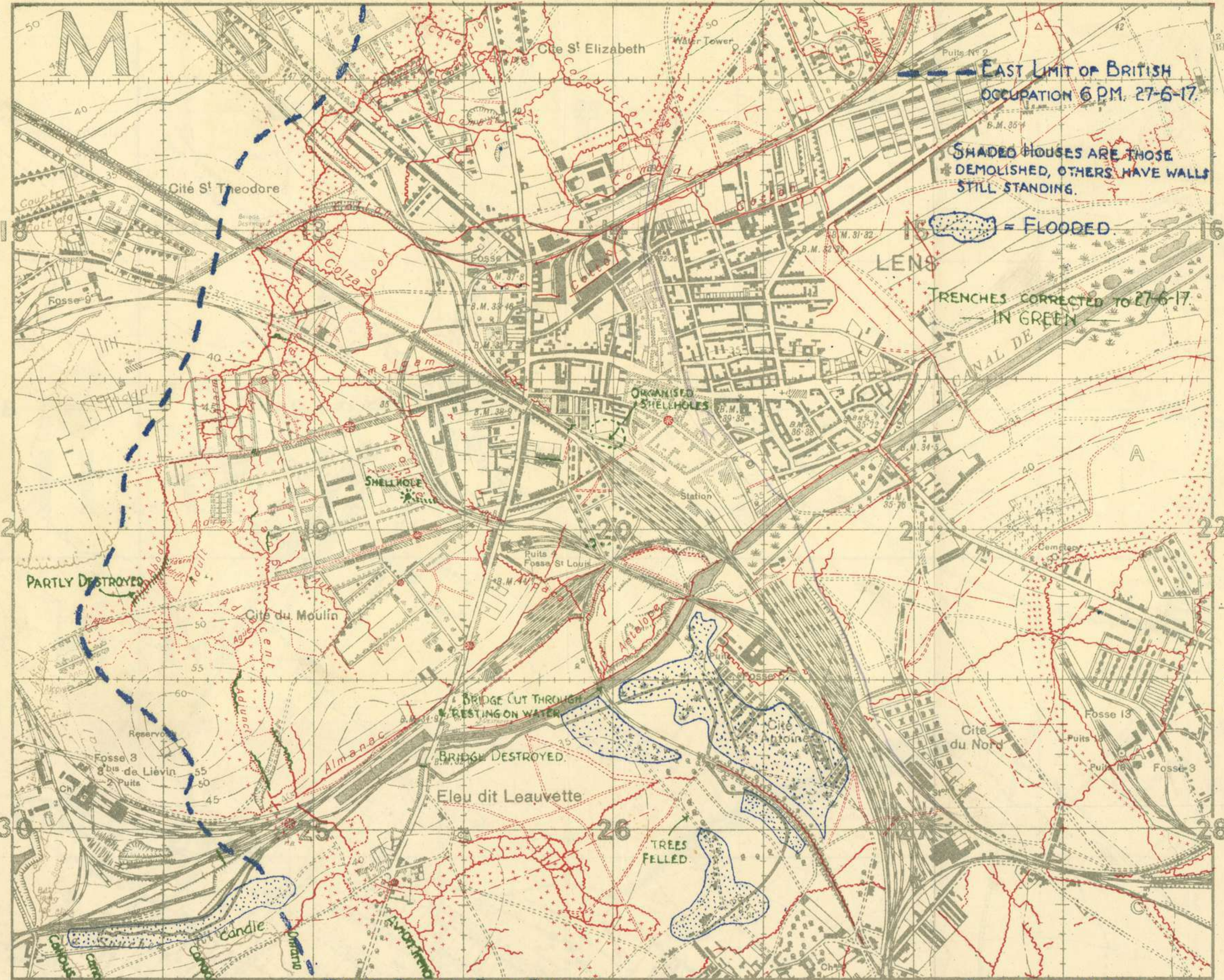
Stanford
 MAJOR
 PAYMASTER, A.I.F.,
 ATTACHED 1ST ANZAC Hd. QRS.

LENS (2)

APPENDIX 28
TRENCHES CORRECTED TO 25-6-17

356

58



1st Field Survey Co. R.E. 2380.
T. 127.

Ruins shown
TRENCHES PASSING E. OF BREWERY
& E. OF LA COULOTTE.

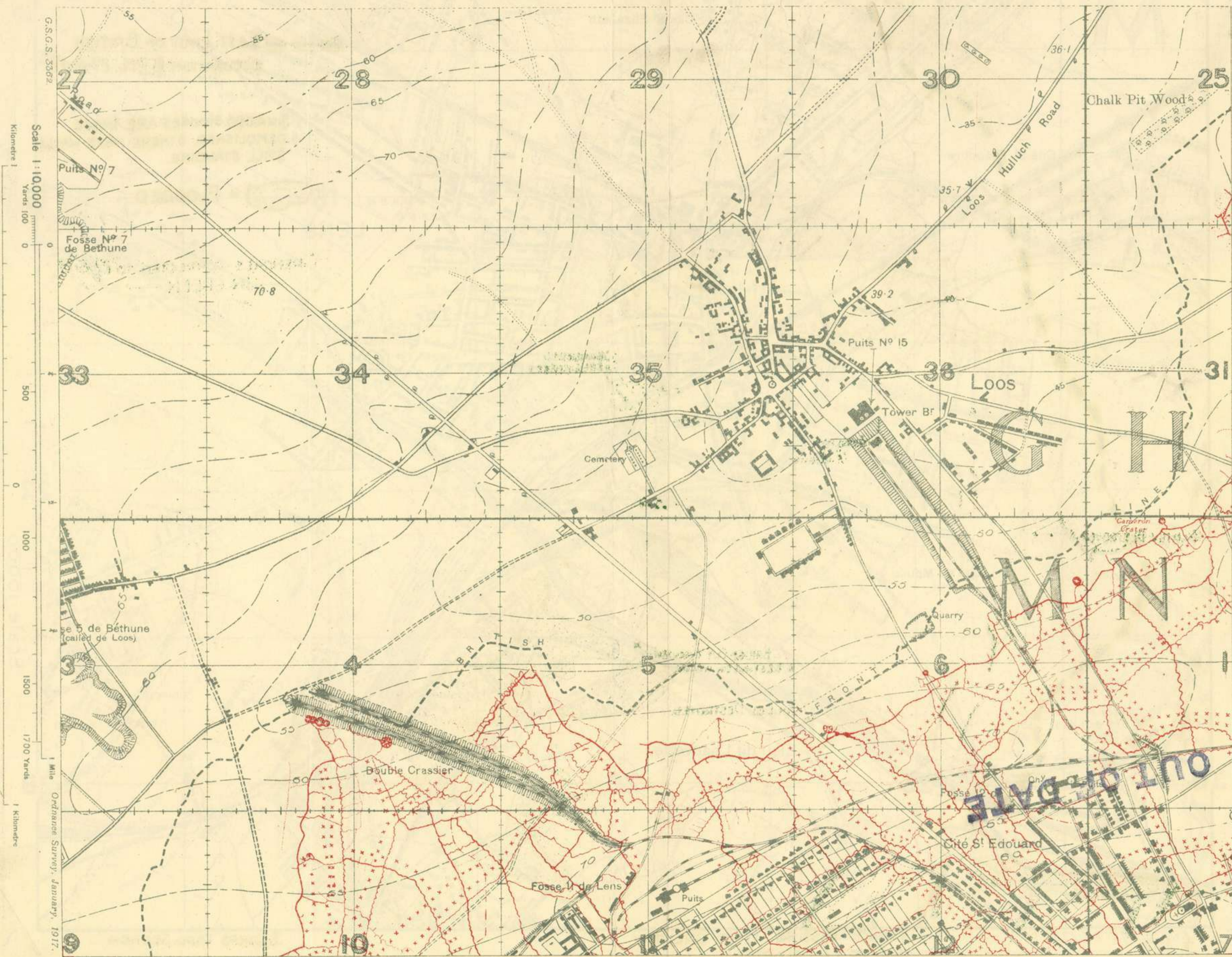
I CORPS TOPO SECTION.

Scale 10000

1500 1000 500 0 100 200 300 400 500

Grid North
Magnetic

12 16
1917



FIRST ARMY FRONT. 3.

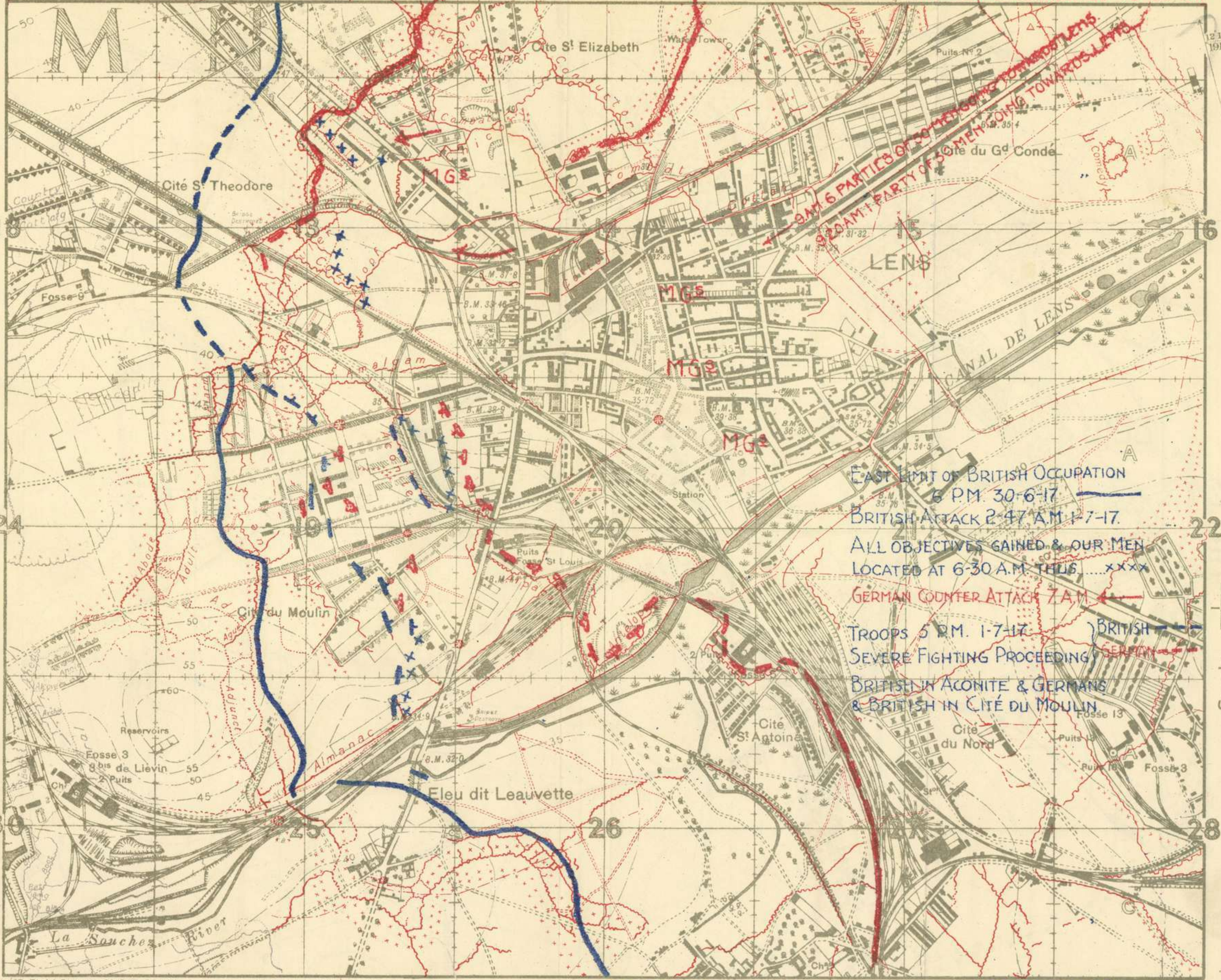
G.S.G.S. 3362
 Scale 1:10,000
 Yards 100 0 500 1000 1500 1700
 Kilometre 1
 Ordnance Survey, January, 1917.

356

LENS (2)

TRENCHES CORRECTED TO 25-6-17

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EAST LIMIT OF BRITISH OCCUPATION
 6 P.M. 30-6-17 ———
 BRITISH ATTACK 2-47 A.M. 1-7-17.
 ALL OBJECTIVES GAINED & OUR MEN
 LOCATED AT 6-30 A.M. THIS xxxxx
 GERMAN COUNTER ATTACK 7 A.M. ←
 TROOPS 5 P.M. 1-7-17
 SEVERE FIGHTING PROCEEDING
 BRITISH IN ACONITE & GERMANS
 & BRITISH IN CITE DU MOULIN

Magnetic Grid North

Scale 10000

1st Field Survey Co. R.E. 2380.

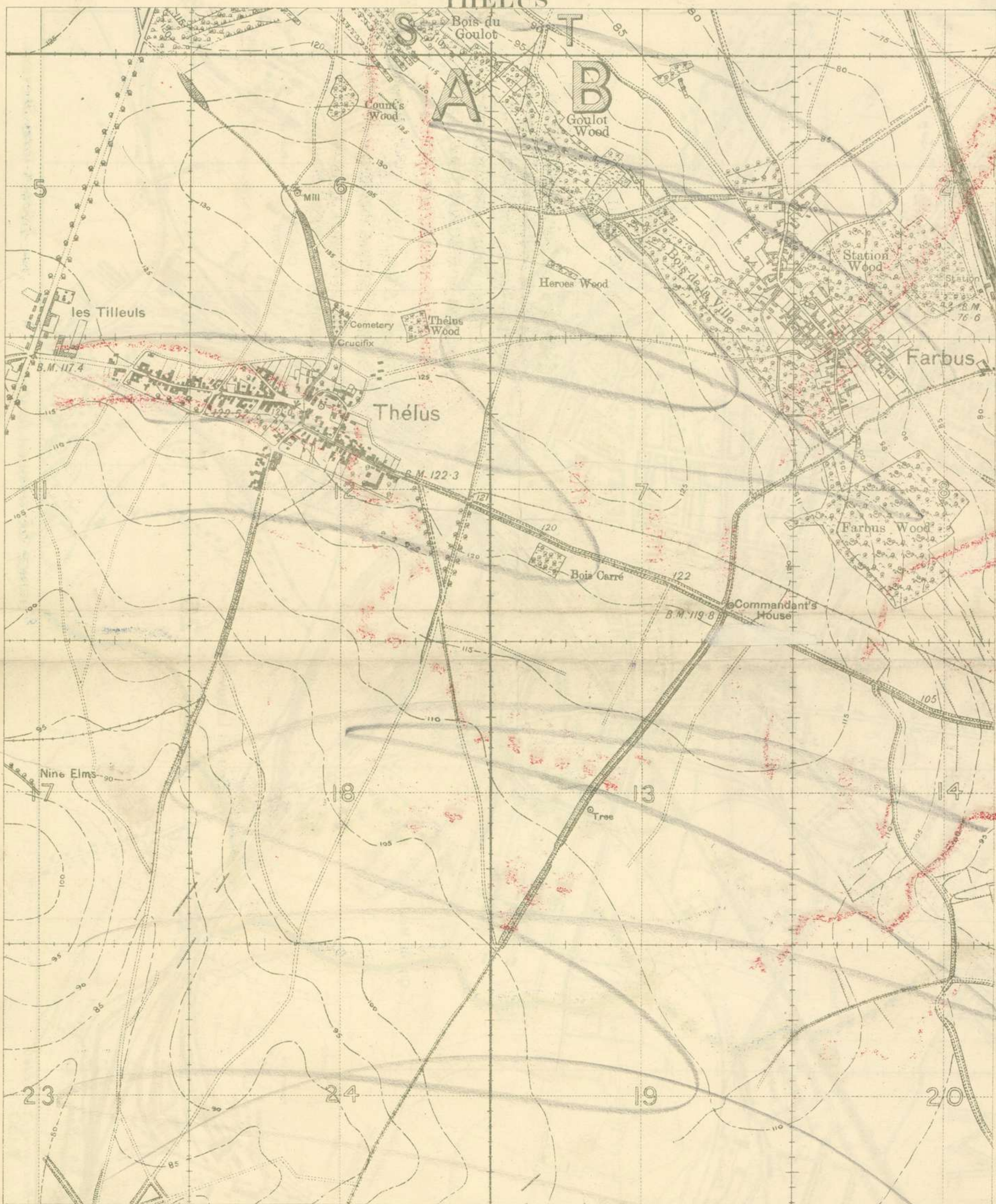
T.130

Ruins shown thus

THENCE S.E. THROUGH AVION.

I CORPS TOPO SECTION.

THELUS



G.S.G.S. 3455

Scale 1:10,000

Yards 100 0

500

1000

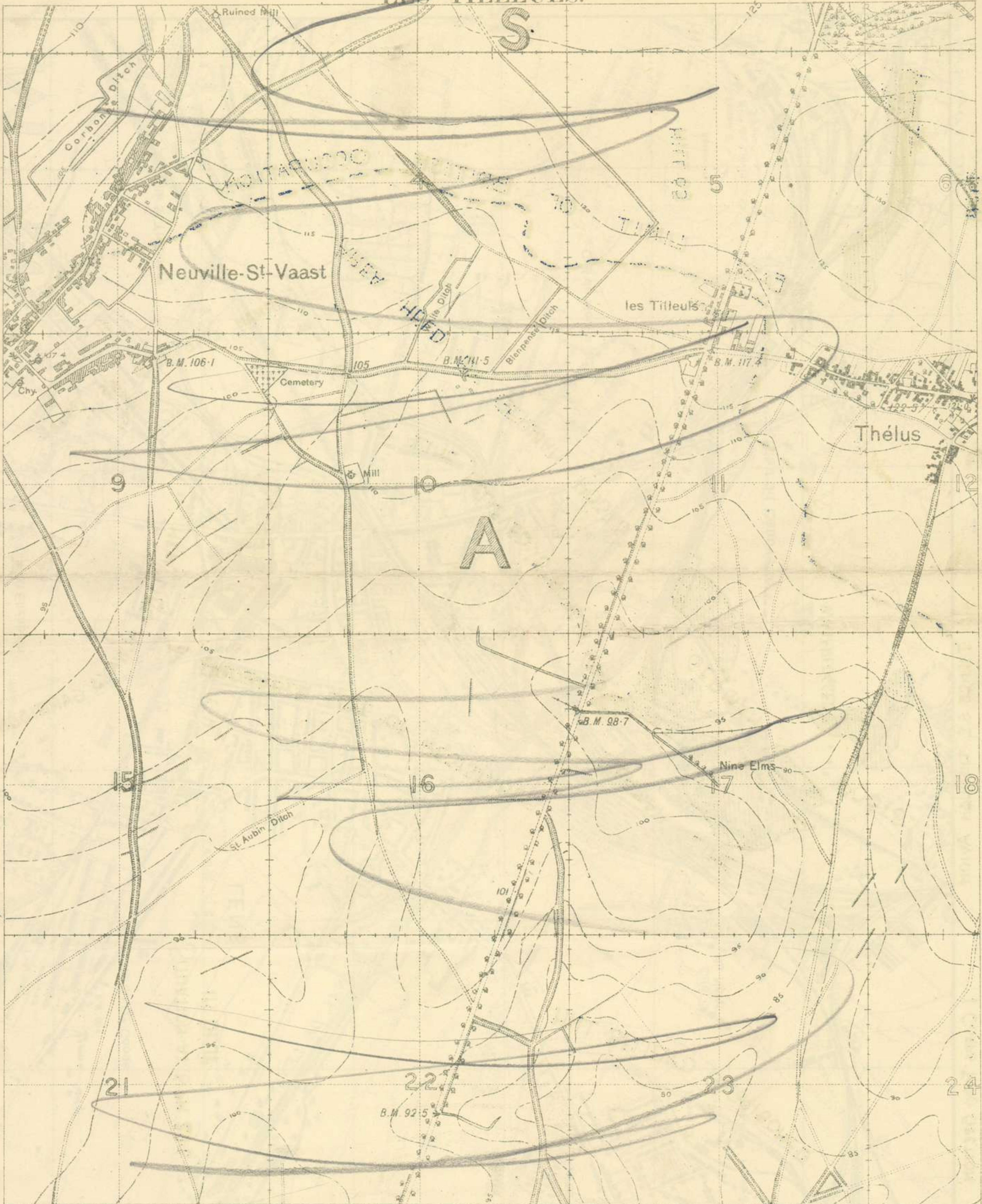
1500

1700 Yards

1 Mile

Ordnance Survey, February, 1917

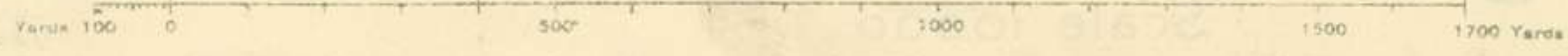
LES TILLEULS.



356

U.S.S. 3454

Scale 1:10,000



Ordnance Survey, February, 1917.