

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

Tunnelling & Survey

**Item number:** 16/4/22

**Title:** 3rd Australian Tunnelling Company

December 1917



AWM4-16/4/22



Confidential

Original

Duplicate

Triplicate

3RD AUSTRALIAN TUNNELLING COY.
No. ....
Date .....

356

Australian Imperial Forces

War Diary  
of  
3rd Australian Tunnelling Coy.  
for  
December 1917.

Signature of Compiling Officer.

B. Shaw.  
Lt.

Signature of Officer Commanding.



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

# WAR DIARY or INTELLIGENCE SUMMARY.

(Erase heading not required.)

3RD AUSTRALIAN TUNNELLING COY.	
No.	90
Date	

Army Form C. 2118.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917.			
	Dec. 1		<p>The Company worked over area embraced by LENS - LOOS - HULLUCH - ST.ELIE - VERMELLES Sectrs. Company Strength on 1-12-17: A.I.F., 23 Officers and 662 O.R's; B.E.F. 7 Offrs, 136 O.Rs.</p> <p><u>WORK COMPLETED:-</u> Alternate entrance to Cookhouse of 3rd Australian Tunnelling Coy. personnel in 10th Avenue Tunnel. (Sheet 44a G.18a 05.35).</p> <p><u>WORK in PROGRESS:-</u> Included Listening, and routine work in the HULLUCH - VERMELLES Tunnels. At CITE ST PIERRE (LENS Sector) advancing dugout systems at Cobb, Canteen, Contract and Colony Trenches, and salvage and shaping of O.G. timber.</p> <p>At HILL 70 (LOOS Sector) progress effected with Hythe Alley Gunpit, Nelson Trench Shaft, and repairs to Coy.H.Q. Hugo Lane. Building bunks in dugouts and boring for ventilation.</p> <p><u>CORRESPONDENCE R.&amp;I.:-</u> Recd from the 139th Bde 3083/50/G Ref.Spoils parties.</p> <p><u>COMPANY ORDERS 563:-</u> 30 O.R's reported for duty and were taken on strength 30-11-18.</p>	Appendix 1.
	Dec. 2		<p><u>WORK COMPLETED:-</u> New incline to Railhead Hay Alley, named Crewe Incline (G.18a 05.40).</p> <p><u>WORK IN PROGRESS:-</u> Building bunks in dugouts for 3rd Australian Tunn. Coy (Sheet 44a. personnel Manning Tunnel. General repairs, and assisting the R.E's at Hulluch-St.Elise System. Repairs to trolleys and laying rails. At LOOS Sector, timbering H.T.M. pit. Repairs to entrances at the quarries. Putting steps in emergency exits LENS Sector as on 1-12-17.</p> <p><u>CORRESPONDENCE R.&amp;I.:-</u> Recd G.b 653 Ref.Spoils party from the 1st Cyclists Battn for work on Pointer O.P. (Sheet 44a G.29c 12.69).</p>	Appendix 2.
	Dec 3		<p><u>WORK in PROGRESS:-</u> Routine work in Hulluch-Vermelles Tunnels. Listening, repairs, laying track and stripping for thoroughfares. Work on dugouts and T.M.E's in the Lens and Loos Sectors. Listening patrols over the Company front.</p>	
	Dec. 4.		<p><u>WORK COMPLETED:-</u> Repairs to Ammtn.Chamber at 6" T.M.E. Devon Tunnel. Fixed doors at Power Plant Dugouts St.George's Tunnel.</p> <p><u>WORK in PROGRESS:-</u> ROUTINE WORK at Highland Tunnel (Sheet 44a G.11c 50.30) and on Dugouts Salvage and carrying in LENS &amp; LOOS Sectors.</p>	



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WAR DIARY  
or  
INTELLIGENCE SUMMARY.

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3RD AUSTRALIAN TUNNELLING COY.
No. <u>91</u>
Date .....

Army Form C. 2118.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917			
	Dec. 4		<p><u>CORRESPONDENCE R. &amp; I.:-</u> Received from the C.M. No.2810/2 Ref. Training R.F.A personnel at Mine School in methods of Dugout construction.</p> <p>Received from the C.E. I Corps No.2098 Ref.C113 of the 46th Div. Authority for construction of an entrance to Manning Tunnel from St.Elle R.A.P.</p> <p>Signal Message from 18th Inf.Bde re Listening to suspected mining sounds.</p>	Appendix 3. " 4. " 5
	Dec. 5		<p><u>WORK COMPLETED:-</u> Bored for ventilation in Power Plant Dugouts. Repaired Stansfield Tunnel and M.G.E. after crump by enemy Minenwerfer.</p> <p><u>WORK in PROGRESS:-</u> Repairs to Mines trolleys, and Gas doors in Vermelles system. Hulluch system: routine, and making Main Entry, and haulage off Hay Alley. In LOOS Sector tunnelling the railway cutting and stripping traverses. At LENS a Section was employed on the important dugout programme including Cobb, Canteen, and Colony Trenches. Listening patrols report "No enemy sounds on the front".</p>	
	Dec. 6		<p><u>WORK COMPLETED:-</u> Bored Ventilators T.M. personnel in S.T.Elle Tunnel (Sheet 44a G.12c 95.05)</p> <p><u>WORK in PROGRESS:-</u> Stripping and laying tram line. Bricking 5 stoves for the Battn Cookhouse in St.Elle Tunnel (Right Sub Sector). Dugout construction at LENS &amp; LOOS sectors.</p> <p>Listening, carrying cement, bricks, sand, etc, also petrol to Power Plant, Hulluch Tunnels.</p> <p><u>CORRESPONDENCE R. &amp; I.:-</u> 46th Division Order 271 re a Raid on front occupied by Tunnelling Coy. by 139th Inf.Bde on 11-12-17.</p>	Appendix 6
	Dec. 7		<p><u>WORK COMPLETED:-</u> Off "K" Outpost above "K" Tunnel, Dugout and Shaft for Periscopic O.P. in St.Elle Sector (Sheet 44a G.12d 43.55). In St.Elle Tunnel Repairs and revetting Incline to M.G.Empt.(Sheet 44a G.12c 95.10). Boring for Pump Delivery Column in Manning Tunnel, also for ventilation in H.Q. Dugouts in Support Line and Chapel Alley (Sheet 44a G.11c 50.30). Completed in Hythe Alley 6" T.M.E. (Sheet 44a H.32c 80.60).</p> <p><u>WORK in PROGRESS:-</u> Includes stripping along St.Georges Tunnel near Power House to place curves, and fairway for Rly. Boring for better ventilation in the Hulluch System. Driving the Highland Tunnel (Sheet 44a G.11a 95.87) connecting the lateral gallery for better communication with the listening saps ahead of Border Redoubt, and excavation of H.Q. dugouts off Chapel Alley (G.11c 50.30).</p>	Sketch "A" Sketch "B"



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# WAR DIARY or INTELLIGENCE SUMMARY.

(Erase heading not required.)

3RD AUSTRALIAN TUNNELLING COY.
No. 92
Date

Army Form C. 2118.

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Place	Date 1917	Hour	Summary of Events and Information	Map References : Sheet 44a.	Remarks and references to Appendices
	Dec.	7	<p><u>WORK in PROGRESS (Continued):-</u> At LOOS Sector Salvaging O.G. Mine sets and opening up dugouts in Nelson and Nizam Trenches, HILL 70. At <del>KOOM</del> LENS Sector (Cite St. Pierre) work on the programme of supplying better dugout <del>accommodation</del> accommodation in Front Line and Support Line.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> Despatched A.M.1/214 in reply to C.E. 1482 of 27-10-17 Ref. Means of Defending Tunnel Systems from Gas.</p>		Appendix 7.
	Dec.	8	<p><u>WORK COMPLETED:-</u> At Curzon Street Trench (G.34c 05.30) Dugout for Magpie O.P. with alterations to the O.P. Completed filling shellholes over Subway, VERMELLES.</p> <p><u>WORK in PROGRESS:-</u> Repairs to Devon Tunnel, and installing Railway. Work on dugouts in Cobb, Canteen, etc. LENS Sector. At LOOS, working on Railway, and on Dugouts Nelson Trench. One Section engaged on maintenance and extensions VERMELLES System.</p> <p><u>COMPANY ORDERS 570:-</u> 6089 Spr WOOD T.W., 6846 Spr WARD C.F., 6777 Spr WHITFIELD W.A. Gassed on 7-12-17. 996 Spr FINCH T. Died from Disease 11-11-17. 1099 Spr <del>MACDONALD</del> MacDonald J. returned invalided to Australia on 5-11-17.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> G.727/443 from 46th Div. Ref. 46th Div. Order 270 of 6-12-17 re Gas Operation, and Signal Message to C.O. 3rd Aust. Tunn. Coy. Signal Message from Hill 70 re enemy mines exploded.</p>		Appendix 8 9
	Dec.	9	<p><u>WORK COMPLETED:-</u> At Contract Trench (N.7d 4.9) Dugout for 2 Platoons Strutted and lagged.</p> <p><u>WORK in PROGRESS:-</u> At HULLUCH - VERMELLES Tunnels General maintenance, laying and ballasting Railway. Putting in curve at entrance to R.A.P. (G.11a 30.00) off Manning Tunnel. Routine work on Dugout construction Hill 70, and Lens. Important salvage operations of old German Sets and shaping same.</p> <p><u>INTELLIGENCE REPORTS:-</u> Company Strength stood at 23 Officers, 64 O.R.'s, Supernumerary 4 Officers 93 O.R. Permanently attached B.E.F. 7 Officers, 136 O.R.</p> <p><u>COMPANY ORDERS 571:-</u> 4449 Spr POWELL W. Invalided to Australia on 5-11-17.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> G.727/447 Ref. to 46th Div. Order 272 of 8-12-17 with appendix and message re Gas operation.</p> <p>139th Inf. Bde Order 152 re raid by 1/5 Sherwood Foresters to take place on 11-12-17.</p>		Sketch "c" Appendix 10 11



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3RD AUSTRALIAN TUNNELLING BOY.	
No.	93
Date	

Army Form C. 2118.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917			
	Dec.	10	<p><u>WORK COMPLETED:-</u> Making Rly Junction, and installing points at "The Oval". Stripping and lagging up from Special Sets. Points also installed in Dump Drive at Junction with 10th Avenue Tunnel.</p> <p><u>WORK in PROGRESS:-</u> "K" Shaft O.P. for Field Arty. and T.M.'s and 6" T.M.E. in St.Elle Tnnl (Sheet 44a G.12d 43.55). Repairing and cleaning tunnels and inclines. At LOOS &amp; LENS Sectors Dugout construction, and work at T.M.E.'s and O.P.'s. Mine (course.</p> <p><u>COMPANY ORDERS 572:-</u> Re "Poll on Conscription Referendum". 8 O.R.'s to Baking School, 8 days</p> <p><u>CORRESPONDENCE R. &amp; I.:-</u> Received G.4/11 Ref. Ref. I Corps 228 (G.O.) Ref. Batt. H.Q. Curzon St. Appendix 12</p>	
	Dec.	11	<p><u>WORK COMPLETED:-</u> Dugout for Platoon in Canteen Trench, Lens. (Sheet 44a N.8a 50.40).</p> <p><u>WORK in PROGRESS:-</u> At permanent Tunnels. Clearing Surplus Spoil. Made trench after shell bursts at Exit to Wing's Way. Repairs to M.G.E.'s in St.Elle, and Stone St. Tunnels. Filling Shell holes above Stansfield Tunnel, and repairs to mine pumps. Listening and making fairways. In Lens Sector employed on H.T.M.E. Repairs and revetting, and on new H.Q. dugouts. in Contract, Cobb and Colony Trenches. Work carried on in Loos Sector Salvaging, constructing O.P.'s, and operations in the Rly cutting. Listening patrols were maintained in all the Front Line saps, and when brought under the notice of Section Officers Special Reports were investigated in all Sectors.</p> <p><u>COMPANY ORDERS 573:-</u> 20 O.R.'s struck off strength of Company from 9-12-17.</p> <p><u>CORRESPONDENCE R. &amp; I.:-</u> ----</p>	
	Dec.	12	<p><u>WORK COMPLETED:-</u> Coy H.Q. dugouts at Chapel Alley (Sheet 44a G.11c 50.30) lines and strutted. Repaired entrances to H.T.M.E. in Hulluch Tunnel, crumped by shell fire. This emplacement situated below the now abandoned Hay Alley communication trench attracted much enemy shelling and required frequent minor repairs.</p> <p><u>WORK in PROGRESS:-</u> Stripping for Rly in Hulluch fairways, and excavating for 6" T.M.E. and dugout for gunners in St.Elle Tunnel. Cleaning debris and refuse from Listening Chambers. At Cite St.Pierre (Lens Sector) a Section at work on repairs. to H.T.M.E. off Counter Trench. and H.Q. Dugouts off Cobb and Cosy. Salvage and shaping sets. In Loos Section Dugouts off Nelson Trench, loopholes and traverses in Rly Cutting. At the VERVELLES Subways at work on Highland Tunnel and Highland Incline No.2 (G.11a 95.87). Section Listeners patrolled the (170 Coy's R.E.) galleries as far as the crump in main communication lateral until repairs were effected, the R.E. listeners patrolling to the N. side of the crumped gallery.</p>	Sketch D

D.D. W.I.L. London E.C.  
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3RD AUSTRALIAN TUNNELLING COY.
No. <i>94</i>
Dte. ....

Army Form C. 2118.

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	<i>Dec.</i>	<i>12</i>	<u>COMPANY ORDERS 574:-</u> Promotions of N.C.O's. <u>CORRESPONDENCE R. &amp; I.:-</u> 1482 from C.E. I Corps Ref. memo A.M. 1/2/6 of 25-11-17 from C.O. 3rd Aust. Tllg Coy.	<i>appendix 13</i>
	<i>Dec.</i>	<i>13</i>	<u>WORK COMPLETED:-</u> Deviation in Hay Alley for Main Exit and Haulage 10th Avenue Tunnel (St 44a G.18a 05.40). <u>WORK in PROGRESS:-</u> Work on 6" T.M.E. and Stripping for Rly in St. Elie Tunnel. Reconnaissance made of Carfax and Happy Trenches. The 34th Bde abandoned idea of making trenches there. Work continued at Colony, Cobb, and Cowley Trenches in the LENS Sector. At LOOS work was advanced in Nelson Trench and Rly Alley, and Loopholes and Embrasures made in Railway Cutting. At Vermelles work was continued at Highland Tunnel and in sinking well for water supply in tunnels in Border Tunnel. Listening was maintained. <u>COMPANY ORDERS 575:-</u> 4 N.C.O's warned for Special Duty extending over some weeks. <u>CORRESPONDENCE R. &amp; I.:-</u> Received from C.E. No. 2098 Ref. Battn H.Q. at Curzon St. " " C.E. " 2780 " " At. O.P. at Shaft off Dudley Tunnel.	<i>appendix 14</i> <i>" 15</i>
	<i>Dec.</i>	<i>14</i>	<u>WORK COMPLETED:-</u> Improvements to Proto shaft Exit off Manning Tunnel (G.11b 50.40), also repairs were effected in this tunnel, Hairpin Sector. Repairs to Gunpit at N.2a 70.20. off Nizam Trench, LOOS. Repaired exit to No 78 Outpost Stone Street Tunnel HULLUCH. <u>WORK in PROGRESS:-</u> At the permanent tunnels lined living Dugout of Tunnelling personnel. Laying Rly and work on 6" Newton T.M.E. Repaired exit to Southern Craters, and advancing Highland No 2 Incline. At LOOS work on picking up entrances to Mine System, salvaging and cutting timber. At LENS Sector, work on Cowley and Conductor Inclines to proposed dugouts; salvaging and shaping timber.	
	<i>Dec.</i>	<i>15</i>	<u>WORK in PROGRESS:-</u> Routine of repairs, listening, sanitation and work on T.M.E's and track in Main Tunnel Hulluch System. Dugout construction at LOOS & LENS. At the Raily Cutting Traverses, HILL 70, 4 doors and loopholes installed. Company Strength: Officers 23, O.R.'s 647. B.E.F. attached: Officers 11, O.R. 233.	



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Place	Date	Hour	Summary of Events and Information	Map References: Sheet 44a.	Remarks and references to Appendices
	1917				
	Dec	16	<p><u>WORK COMPLETED:-</u> Repairs to Shaft and M.G.E. off Hay Alley (G.18b 75.03) Sunk well for water supply off Border Tunnel.</p> <p><u>WORK in PROGRESS:-</u> Excavation for R.A.P. Manning Tunnel (G.11a 30.00) and routine work at LOOS. In LENS Sector, progress with H.Q. dugouts in Cowley, Conductor, and Cosy Trenches.</p> <p><u>COMPANY ORDERS 578:-</u> 4237 Cpl DOUST C. taken on strength from Supernumerary List. Church Parades.</p>		
	Dec	17	<p><u>WORK COMPLETED:-</u> Repaired and lagged up 6" T.M.E. St.Elise Tunnel (G.12c 95.05).</p> <p><u>WORK in PROGRESS:-</u> Routine work at Hulluch- Vermelles Tunnels. Listening. At LENS, advanced Dugout systems at Cobb Trench.H.Q., and repairs to H.T.M.E. off Counter Trench. Routine work on dugouts and O.P's at HILL 70.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> Received from H.Q. I Corps Ref. St.Dunstan's Hospital Fund. Despatched A.M.1/390 in reply to G.S.556. Ref.Work in Progress in 11th Div.Area. Copy of letters dealing with fund. Letter of thanks to C.O. from Lt.Col.Miller and copy of list posted at 3rd Aust Tlig Coy's billets.</p> <p><u>COMPANY ORDERS 579:-</u> 4953 Cpl GORDON A. Wounded on 15-12-17.</p>		Appendix 16 " 17
	Dec.	18	<p><u>WORK COMPLETED:-</u> Repairs to H.T.M.E. and Dugout for personnel (N.7b 15.50).</p> <p><u>WORK in PROGRESS:-</u> Routine at permanent Tunnel Systems. Repairing bunks in dugouts. Repairs and lagging up H.T.M.E. and lining Dugouts at Cobb Trench LENS Sector. At HILL 70 work in Nelson and Nizam Trenches, O.P's and operations in Rly Cutting.</p>		
	Dec.	19	<p><u>WORK COMPLETED:-</u> Platoon Dugout in Nelson Trench (N.2a 35.85) and operations at the Rly cutting, HILL 70 (H.32d 10.60). At Lens Sector <del>progress with H.Q. dugouts in Cowley, Conductor, and Cosy Trenches.</del> Dugout Extensions and extra Exits, and inter-communications <del>conducted at Cobb Trench (N.8a 50.80).</del> were completed at Cobb Trench (N.8a 50.80).</p> <p><u>COMPANY ORDERS 581:-</u> 12 O.R's reported for duty and were taken on strength as from 18-12-17.</p> <p><u>WORK in PROGRESS:-</u> At HILL 70 work on Nizam and Nelson Trenches. In the Hulluch System maintainance, and sanitation of subways, and advancing Highland Tunnel.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> Received from 13th Inf.Bde G1017 Ref.Priority List for Right and Left Tunnel Sub-Sectors.</p>		Sketch "E" Sketch "F" Appendix 18



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917			
	Dec.	20	<p><u>WORK in PROGRESS:-</u> Routine work on construction at LENS &amp; LOOS, and general maintainance, and extensions at the HULLUCH - VERMELLES Systems.</p> <p><u>COMPANY ORDERS 582:-</u> 3 O.R's taken on strength from 19-12-17. Wearing of Steel Helmets in certain areas.</p>	
	Dec.	21	<p><u>WORK COMPLETED:-</u> At Junction of Dump Drive and 10th Avenue Tunnel (Sheet 44a G.18a 07.40). construction of Crewe Siding as Rly Junction and Main Depot for forward Mine System.</p> <p><u>WORK in PROGRESS:-</u> Repairs, Sanitation, etc. of permanent Sunway Systems. At HILL 70 work was advanced on Dugout and O.P. construction. O.G. Mine sets salvaged.</p> <p>In the LENS Sector the important programme of dugout accomodation in hand at Cosy, Cowley, Carfax, Colony and Conductor Trenches was expedited. In the VERMELLES Sector, work commenced on emergency Btn H.Q. in Chapel Alley, in the Tunnels, lagging up Border Well, and making a graded fairway to the R.A.P. off Manning Tunnel (G.11a 30.00).</p> <p><u>CORRESPONDENCE R &amp; I:-</u> Report and Sketch on Reconnaissance of Dugouts in Village Line made by Lieut. A.L. KENNEDY on 17-12-17.</p>	Appendix 19
	Dec.	22	<p><u>WORK COMPLETED:-</u> Dugout for 1/2 Platoon off Chapel Alley (Sheet 44a G.11c 55.30).</p> <p><u>WORK in PROGRESS:-</u> Listening and Stripping in permanent Subways for Rly. Sanitation for Water Tank, Dugouts and all occupied Dugouts and Mine entrances. Salvaging. At LOOS &amp; LENS Sectors progress effected with Dugouts, O.P's and Salvage.</p> <p><u>COMPANY ORDERS 584:-</u> 2 O.R's invalided to Australia on 25-11-17.</p>	Sketch "G"
	Dec.	23	<p><u>WORK in PROGRESS:-</u> At the Tunnels Systems Salvaging Timber, and general repairs. At Lens Sector work interfered with by snow and debris on Rly, clearing same and salvaging timber in forward areas to meet the shortage.</p> <p>Company Strength: 23 Officers, 665 O.R's. Attached B.E.F.: 11 Officers, 251 O.R's.</p> <p><u>CORRESPONDENCE R &amp; I:-</u> Received G.600/6/2 Ref. Action in case of Attack. G.39/12/1 from 9th Can Inf Bde Ref. Working Parties.</p> <p>Correspondence from C.E. First Army re Sirroco Fan and Engine to be installed at Hulluch Tunnels. Report on same by Capt. A.J. Hillman.</p>	Appendix 20 " 21 " 22



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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917			
	Dec. 24.		<p><u>WORK COMPLETED:-</u> Off Manning Tunnel, Dugout for R.A.P. (34 Girder Sets overall) (Sheet 44a G-11a 39.00), Lagged same.</p> <p><u>WORK in PROGRESS:-</u> Driving Highland Tunnel Connections. Ballasting Fairways, and adjusting water delivery column from mine galleries to surface.</p> <p>In LENS Sector Dugout construction in forward lines, and lining H.Q. dugouts for Coy. personnel.</p> <p><u>CORRESPONDENCE R. &amp; I.:-</u> Despatched A.M. 1/274 in reply to 138th Bde G-212 Ref. Old Mine Shaft at LOOS.</p>	Sketch "H" Appendix 23
	Dec. 25		<p><u>WORK COMPLETED:-</u> Manning Tunnel Incline off R.A.P. (Sheet 44a G 11a 30.00). Deepening Border Well, making cuddies. Taking up water pipes (4") at Manning Tunnel.</p> <p><u>WORK in PROGRESS:-</u> In Tunnel Systems cutting sumps and installing pumps for drainage of fairways. At HILL 70, salvaging O.G. sets and renovating and extending Dugout Systems. At LENS forwarding the excavation, and close lining of a dugout system off Colony Trench for 3rd Aust Tunn Coy.</p> <p>The following Casualty was reported: No. 5854 Sapper WALKER W. Gassed.</p> <p><u>COMPANY ORDERS 587:-</u> do. do. on 23-12-17.</p>	
	Dec. 26		<p><u>WORK in PROGRESS:-</u> Routine work in all Sectors. Work in Catapult Trench, and opened up O.G. T.M.E. near the Rly Cutting.</p>	
	Dec. 27		<p><u>WORK COMPLETED:-</u> Excavated Lamp Room off Wing's Way West Drive (9' x 12' with racks).</p> <p><u>WORK in PROGRESS:-</u> Maintenance of Hulluch Tunnel System, and clearing out trench near Power Plant Exit to Wings Way in LOOS &amp; LENS Sectors.</p>	
	Dec. 28		<p><u>WORK COMPLETED:-</u> Coy H.Q. Natal Trench, Bored for Ventilation (N.31d 10.15).</p> <p><u>WORK in PROGRESS:-</u> Lagging and Strutting Crewe Siding, also R.A.P. off Manning Tunnel.</p> <p>General routine and work of providing dugout accomodation in advance of O.B. front line system. Divisional Reliefs interfered with regular spoils parties.</p> <p><u>COMPANY ORDERS 590:-</u> Promotions and Appointments of N.C.O's on 27-12-17 and 28-12-17.</p>	



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Summary of Events and Information

Remarks and  
references to  
Appendices

Place

Date

Hour

Dec. 29

WORK in PROGRESS:- Routine work in all Company Sectors. Listening and Salvaging.

WORK COMPLETED:- Surveys, and Reconnaissances for proposed Subways at Hythe Tunnels.  
WORK in PROGRESS:- Highland Tunnel (1 and 2) re-opening drive off 2 O.G. Stripping and laying rails in Right Mine Lateral under the Hairpin to Hulluch System. Cleaning out O.G. Dugouts on HILL 70, and carrying material to dugout sites.

Company Strength: A.I.F. 23 Officers, 670 O.R.'s. Attached B.E.F.: 12 Officers, 299 O.R.'s.

CORRESPONDENCE R & I:- Received G.148/2 46th Divn. Ref. M.G.E. and D.O. in Right Subsection. Appendix 24

Dec. 31

WORK COMPLETED:- The complete programme of Dugouts at Hill 70 with exception of those at Sheet 44a H.31d 10.30 and H.31d 85.45.

WORK in PROGRESS:- Commenced Dugouts off Scott's Alley for Tunnelling Coy personnel. Placed cleats in Crewe Incline. Pump repairs and tamping up all exits from Mine System as a precaution against enemy gas. In the Lens Sector work continued on Dugouts for Command

COMPANY ORDERS 593:- 1244 Dvr PHIPPS L.N. to be Lance Corporal from 31-12-17. Posts.  
CORRESPONDENCE R & I Report from Captain A.J. HILLMAN re "Test Gas Alarm" carried out on 31-12-17.

Recd. G.148/2 46th Div. Ref. M.G.E. + D.O. in Right Subsection.

RÉSUMÉ OF WORK FOR THE MONTH:- The month of December completed the programme of work on Dugouts in O.G. Lines, HILL 70, where, ever since its capture, a Section had been employed in opening up and renovating old German Dugouts, in salvaging O.G. sets from the captured enemy galleries, and crumpled dugouts, and in carrying and shaping them for construction of new dugouts, O.P.'s & T.M.E.'s. This month the late Lieut. H. RUSSEL had been engaged in preparing reconnaissances, and surveys for proposed subways. All data were obtained, and plans completed with the end of the month. The opening days of the new year saw the new phase of the work well in hand. In the LENS Sector a similar change was in process, also, but here the Dugout programme being larger and more difficult of completion, it was not until well on to the latter end of January that the driving on the actual tunnel faces was put in hand.

At the Hulluch-Vermelles permanent subways, two Sections were employed. All repairs to exits, gun emplacements, and galleries were effected, and the fairways underground were kept in a safe and sanitary condition.





Army Form C. 2118.

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WAR DIARY  
or  
INTELLIGENCE SUMMARY.

(Erase heading not required.)

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

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
	1917			
	Dec. 1917		<p>A number of important R.F.A. O.P's were constructed, and excavations for T.M.E's.</p> <p>Listening patrols over the Company Front proved that the enemy was engaged on very little underground mining.</p> <p>During the month in our working area Labour Parties were supplied by the 138th, 139th Infantry Bdes, 1st Cyclist Btn, 9th Canadian Infantry Bde, and the 33rd and 34th Infantry Brigades.</p>	<p><u>Added.</u></p> <p><u>Appendices</u></p> <p><u>26 to 35.</u></p>



## WAR DIARY

OF

*3<sup>rd</sup> Aust. Tunnelling Coy.*

FOR

*December 1917*

## LIST OF APPENDICES.

- | No. | Subject.                                                                                                                             |
|-----|--------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | 3083/50/9 from 139 <sup>th</sup> Bde. Ref: Spoil Parties.                                                                            |
| 2.  | G.O. 653. Ref: Spoil Parties from 1 <sup>st</sup> Cyclist Batt <sup>n</sup> for work at (G. 290. 42. 69)                             |
| 3.  | 2810/2 from Controller of Mines Ref: Training at Mine School.                                                                        |
| 4.  | 2098 from C.E. 1 <sup>st</sup> Corps Ref: C113 of 46 <sup>th</sup> Div. Authority for work at Manning <sup>n</sup> . <sup>Tul.</sup> |
| 5.  | Signal Message from 18 <sup>th</sup> Inf. Bde. re listening to suspected enemy sounds.                                               |
| 6.  | 46 <sup>th</sup> Div. Order 271 Ref: Raid on front where 3 <sup>rd</sup> Aust. Tnl. Coy. were at work.                               |
| 7.  | 1/214 in reply to C.E. 1482 of 27/10/17. Ref: Defence of Tunnel System from Gas.                                                     |
| 8.  | G. 727/443 from 46 <sup>th</sup> Div. Ref: 46 <sup>th</sup> Div. Order 270 of 6/12/17 re Gas Operation etc.                          |
| 9.  | Signal Message from Hill 70 re enemy Mines exploded.                                                                                 |
| 10. | G. 727/447. Ref: 46 <sup>th</sup> Div. Order 272 of 8/12/17 re Gas Operation.                                                        |
| 11. | 139 Inf. Bde. Order 152 re Raid to take place on 11/12/17 by 1/5 Sherwood Foresters.                                                 |
| 12. | G. 4/11. Ref: 1 Corps G.O. 228 with regard to B <sup>n</sup> H.Q. Curzon St.                                                         |
| 13. | 1482 from C.E. 1 <sup>st</sup> Corps. Ref: Memo A.M. 1/276 of 25/11/17 from C.O. 3 <sup>rd</sup> Aust. Tnl. Coy.                     |
| 14. | 2098 from C.E. Ref: B <sup>n</sup> H.Q. at Curzon St.                                                                                |
| 15. | 2780 from C.E. 1 Corps Ref: Artillery O.P. at "K" Shaft off Dudley Tunnel.                                                           |
| 16. | From H.Q. 1 Corps. Ref: St. Dunstons Hospital Fund + correspondence.                                                                 |
| 17. | 1/300 A.M. in reply to G.S. 556. Ref: Work in progress in 11 <sup>th</sup> Division Area.                                            |
| 18. | G. 1017 from 13 <sup>th</sup> Inf. Bde. Ref: Priority list for Right & Left Tunnel Subsectors.                                       |
| 19. | Report on Reconnaissance of Dugouts in Villagedunies by Lieut. A.L. Kennedy.                                                         |
| 20. | G. 600/6/2. Ref: Action in case of Attack.                                                                                           |
| 21. | G. 39/12/1 from 9 <sup>th</sup> Can. Inf. Bde. Ref: G. 39/12 of 23/12/17 re Working Parties.                                         |
| 22. | Correspondence re Sirroco Fan & Engine to be installed in Hulluck Tunnels and Report on same by Capt. A.J. Hillman.                  |
| 23. | A.M. 1/274 in reply to 138 <sup>th</sup> Bde: G. 212 Ref: Old Mine Shaft at Loos.                                                    |
| 24. | G. 148/2 from 46 <sup>th</sup> Div. Ref: M.G.E. & Dugout in Right Subsector, Hulluck.                                                |
| 25. | G. 650/5-2 Ref: Plan of O.P. on Hill 70.                                                                                             |
| 26. | Report from Capt. A.J. Hillman re "Test Gas Alarm" on 30/12/17                                                                       |
| 26. | I of M. 3200. Ref: Tabulation of Boring Results.                                                                                     |
| 27. | From Chief Eng. 1 <sup>st</sup> Arzac Camp. Ref: Lieut. E.P. Horn.                                                                   |
| 28. | From A.G. B.D. re Return of Sapper H.R. Proctor.                                                                                     |
| 29. | From C.R.E. Corps Troops. No 103/7 Ref: Decoration of Officers & S.R.                                                                |
| 30. | Correspondence re billeting of attached officer & S.R. from 7 <sup>th</sup> Can. Inf.                                                |
| 31. | From C.E. to D.C. No 2 Section. Ref: Action in case of hostile attack.                                                               |
| 32. | Repunishment of 5989 Spr. Sleeson T.                                                                                                 |
| 33. | Instructions to Left Brigade in case of an Enemy Retirement.                                                                         |



3083/50/G.  
-----

139th Infantry Brigade.  
\*\*\*\*\*

Reference 3083/46/G dated 28th November, 139th  
Infantry Brigade will not now be required to find party of  
1 N.C.O. and 19 men for work on the T.M. emplacement.

C.R.A. is arranging to increase the party of  
D.A.C. working on this emplacement.

*L.R. Sanderson* Capt.

1st December, 1917.

Lieut-Colonel,  
General Staff, 46th Division.

Copy to :-

C.R.A.  
3rd Australian Tunnelling Co: ✓

*1/12/17*



APPENDIX

Appendix 2.

S E C R E T.

O.C.,  
1st Cyclist Battalion.

-----  
No. 653 (G.b). 2nd December, 1917.  
-----

On completion of the work on MAGPIE O.P. please  
detail 18 men of your battalion for work on POINTER O.P.  
(G.29.c.12.69), under the orders of the 3rd Australian  
Tunnelling Coy:.

Further details should be arranged direct with O.C.  
3rd Australian Tunnelling Coy:.

*MR Canham*  
for Brig: General,  
General Staff, I Corps.

Copy to:-  
3rd Australian Tunn: Coy:.  
C.E., I Corps.

*VNB.*





## Appendix 3.

Lieut. A. L. Kennedy

1045 Cpl. Jones H. S.

1000 a/2/Cpl. Towlun W. J.

4238 Cpl. Gebbie A. M. L.

1214 Cpl. Yeardye A. C.

---

The above were warned for special duty at the  
Mine School, Houchin on 13/12/17.



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U R G E N T.

Appendix 3

15.

C.M./2810/2.  
First Army.

O.C., 3<sup>rd</sup> Aust. T. Coy. A.E.  
-----

Orders have been issued for the training of 2000 - 3000 Gunners in elementary Dugout construction during the winter, with a view to providing all Batteries in First Army, ( Heavy & Field) with pioneer squads of 10 - 12 men. To meet this sudden and urgent demand, the Mine School at HOUCHIN is to be extended.

Personnel for training purposes will be drawn from Tunnelling Companies on the basis of one Officer and 5 N.C.Os. to each party of 100 Gunners at the course, which will be of two weeks duration. It is intended to have up to 400 men continuously, so that the full numbers can be trained in about 3 months.

Would you please put forward as early as possible the names of

Officers ..... 1

N.C.Os. .... 4

suitable for these duties. N.C.Os. (or senior Tunnellers, capable of carrying unpaid Lance stripe) should be experienced men and can be drawn from those unfit for active front line work, if otherwise keen men and their general qualifications are satisfactory.

It is recognised that the provision of suitable officers and N.C.Os. will constitute a distinct drain on Tunnelling Companies, but the demands for this training have been stated by the Army Commander to be of first importance.

N.C.Os. will be required about the middle of the month and will be instructed in their duties and tested for two weeks before the first course for Gunners opens.

The above personnel for instructional duties  
will train the I Corps parties of gunners.

First Army, H.Q.,  
4th Dec., 1917.

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

*RB.*



C.E., I Corps.  
No. 2098.

356

O.C., 3rd Australian Tunnelling Coy.  
-----

Reference 46th Division G.113, dated 3.12.17,

requesting authority for an entrance to MANNING

TUNNEL from the ST. ELIE R.A.P.

This work is approved, and should be put in  
hand at once, obtaining the spoils party from the  
Division.

*H. H. H. H. H.*

Captain, R.E.

for Chief Engineer, I Corps.

4.12.17.

APPENDIX 4

16.

S E C R E T.  
-----

G. 113.  
-----

I Corps.  
\*\*\*\*\*

Reference G. 984/1 of 7th October, 1917.--

1. May following work be added to the priority list of work for tunnellers: spoil parties of 24 men in three reliefs will be found by the Division.  
I should like the work to commence at once.
2. Task :- Sloping shaft to be made into MANNING TUNNEL from ST ELIE R.A.P. This would expedite the evacuation of wounded at this point very considerably.
3. The 3rd Australian Tunnelling Company have examined the ground and consider the proposed work quite feasible.

*H. H. H. H. H.*

Lieut-Colonel, G.S.,  
for Major-General Commanding  
46th Division..

3-12-1917.

Copy to O.C., 3rd Australian Tunnelling Co.  
A.D.M.S., 46th Division.



"A" Form.

## MESSAGES AND SIGNALS.

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

No of Message.....

Prefix.....	Code.....	m.	Words	Charge	This message is on a/c of:  .....Service.  (Signature of "Franking Officer.")	Recd. at.....m.
Office of Origin and Service Instructions.			Sent			Date.....
frd-4			At.....m.			From.....
			To.....			By.....
By.....						

TO {	CREDIT
------	--------

Sender's Number. * 24	Day of Month. 14	In reply to Number.	AAA
--------------------------	---------------------	---------------------	-----

Sounds	of	mining	Larr	been
heard	by	Boyan	51	AAA
Two	miners	Larr	been	listening
all	night	and	they	and
The	boy	Commander	Larr	heard
sounds	of	picking	shovelling	tubbing
and	driving	props	AAA	Could
a	tunneller	be	sent-	up
to	deal	with	this	phase

OC. 3rd Australian Lrr by 14

Could you please look into this -

H. Dickins

Bds. Major 13th Infantry Brigade.

From	CANJID
Place	
Time	

The above may be forwarded as now corrected.

(Z)

Censor.

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

\* This line should be erased if not required.

100,000 Pads. W. 12098. M1217. M.C. & Co., Ltd. 1/17. (E. 764). Forms C/2121/11.



356  
SECRET.Copy No. 16

## 46TH DIVISION ORDER No. 271.

\*\*\*\*\*

Ref: Maps.- ST ELIE, HULLUCH (2)  
and Secret Trench, 1/10,000.6th December, 1917.

1. On 11th December at a time to be notified later, the 139th Infantry Brigade will carry out a daylight raid on the enemy's first, second and third line trenches within the area H 7 c 10.05 - H 7 c 50.12 - H 7 c 17.70 - G 12 d 90.63.
2. The object of the raid will be to obtain identifications and to kill the enemy.  
Special parties will be told off to secure and bring back identifications.
3. In conjunction with the raid the following operations will be carried out :-
  - (a) A demonstration with dummies will be made at Zero - 7' on the front BOYAUX 70 - 72 (Southern Dummy Raid front), the artillery to commence at Zero - 8'.
  - (b) A demonstration with dummies will be made at Zero - 3' on the front between GORDON ALLEY and HULLUCH ALLEY (Northern Dummy Raid front), the artillery to commence at Zero - 4'.
  - (c) Artillery to put down a barrage on enemy's trenches in H 25 b at Zero - 4'.
4. The C.R.E., 46th Division, will make all arrangements regarding the showing of the dummy figures.
5. Wire-cutting on the real raid front and the dummy raid fronts will be carried out by field and heavy artillery from now until Z Day.  
In addition, the heavy artillery will bombard selected enemy concrete O.P.'s, Machine Gun Emplacements and trench junctions before and during the raid, on both real and dummy raid fronts.
6. The artillery programme will be drawn up by the C.R.A and issued separately.
7. The D.M.G.O will arrange machine gun barrages on the flanks of the real and dummy raid fronts.  
The machine gun arrangements will be issued separately.
8. No. 4 Special Company, R.E., will co-operate
  - (a) by placing a smoke screen on the flanks of real raid front from Zero to Zero plus 45'.
  - (b) by placing a smoke screen in front of dummies on southern dummy raid front at Zero - 8' to Zero plus 20'.
  - (c) by placing a smoke screen in front of dummies on northern dummy raid front at Zero - 4' to Zero plus 25'.
  - (d) by firing gas bombs into HULLUCH and CITE ST ELIE from Zero onwards.
9. In addition to the above operations on Z Day, No. 4 Special Co, R.E., will fire smoke and gas bombs on the ST ELIE and HULLUCH fronts on Z - 2 days; separate orders will be issued for this operation.
10. The timings of artillery, machine gun, smoke and gas arrangements are shown in Appendix "A". Detailed arrangements, including wind

P.T.O.



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(2)

limits for the smoke and gas discharges are shown in Appendix "B".

11. A searchlight will be used as the recall signal under special arrangements to be issued later.
12. The R.F.C. will co-operate by :-
  - (a) Patrolling the front prior to Zero.
  - (b) Dropping bombs on selected targets after Zero.
 Further details regarding arrangements will be issued later.
13. Watches will be synchronized at 139th Infantry Brigade Headquarters four hours previous to Zero on Z Day. O.C., No. 4 Special CO., R.E., will send a representative to 139th Infantry Brigade Headquarters at this time.
14. ACKNOWLEDGE. ✓

*J. H. J. J. J.*

Lieut-Colonel,  
General Staff, 46th Division.

Issued at 8 pm.-

Copy No. 1 to	C.R.A.
2	C.R.E.
3	O.C., Signals.
4	137th Inf: Bde.
5	138th : :
6	139th : :
7	1st Monmouths.
8	178th M.G. Co.
9	D.M.G.O.
10	A.A. & Q.M.G.
11	A.D.M.S.
12	A.P.M.
13	A.D.C. for G.O.C.
14	'D' Special Co, R.E.
15	No. 4 : : :
16	3rd Australian Tunnelling Co. ✓
17	170th Tunnelling Co, R.E.
18	I Corps H.A.
19	I Corps R.A.
20	I Corps C.B.O.
21/22	I Corps.
23	11th Division.
24	42nd : :
25/26	File.
27/28	War Diary.
29	No. 2 Squadron, R.D.B.



## APPENDIX "A" issued with 46th Division Order No. 271.

	Artillery fire starts at	Artillery lift off enemy front line at	Artillery fire to stop at	M.G.barrage starts at	Dummies shown at	4" Stokes fire smoke	4" Stokes fire gas
Real Raid Front.	Zero	Under arrangements to be issued separately.	When all clear.	To be arranged later.		Zero to Zero plus 45'.	Zero onwards on HULLUCH and ST ELIE.
Southern Dummy Raid Front.	Zero - 8'.	Zero - 6'.	Zero - 4'.	Zero - 8'.	Zero - 7'.	Zero - 8' to Zero plus 20'.	
Northern Dummy Raid Front.	Zero - 4' onwards.	Zero - 3'.		Zero - 4'.	Zero - 3'.	Zero - 4' to Zero plus 25'.	-
Area - H 25 b.	Zero - 4' onwards.	-	-	To be arranged later.	-	-	-

N.B.- Appendix "B" will be issued later.



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APPENDIX 'B' ISSUED WITH 46th DIVISION ORDER NO. 271.

1. The arrangements for co-operation by No.4 Special Company R.E., on real and dummy raid fronts will be as under :-

2. Emplacements.

'O' Section, 6 Mortars at about H.13.c.15.75.  
 6 " " " G.18.d.90.90.  
 'Q' Section, 3 Mortars at about G.12.c.40.65.  
 6 " " " G.11.b.25.50.  
 3 " " " G.11.b.15.85.

3. Targets, times of firing and wind limits are in accordance with undermentioned table :-

Targets.	Object.	Time of Firing.	Wind limits.
H.19.a.6.6. - H.13.c.6.3.	Southern dummy raid.	Z - 8 to Z plus 40 mins.	S. via W., N., and E. to S.E.
G.5.c.7.1. - G.5.c.2.3.	Northern dummy raid	Z - 4 to Z plus 50 mins.	All Winds.
If wind is between W & N.W., bombs will be dropped 250 yds N.E. of targets named.			
H.13.c.5.8. - H.13.a.5.3.	Real raid front Southern barrage	Z to Z plus 20'	S. via W & N. to E.
If wind is between S.W. & S. bombs will be dropped 200 yds E. of targets named			
W. of School House about H.13.b.5.9.	-do-	-do-	-do-
G.12.d.7.8. - G.12.b.2.1.	Real raid front Northern barrage	Z to Z plus 20 minutes.	S. via W. to N.W. & N.E. to S.
If wind is between W. and N.W., bombs will be dropped 300 yds E. of targets named.			
S. of raid area; 150 yds radius round point H.13.b.5.0 150 yds radius round point H.13.b.9.8.	Rapid fire from zero - 8 mins. till all ammunition is fired.		S.W., through W. to N.W.  -do-
N. of raid area: 150 yds radius round point G.12.b.6.7.			S. to W.
Front and second lines from ZEPPELIN ALLEY to N. end of QUARRIES.			do.

4. Communications. O.C. 'O' Section, No.4 Special Company, R.E., will be located at battalion H.Q. in HULLUCH TUNNEL.  
 O.C. 'Q' Section will be at battalion H.Q. in STANSFIELD ROAD.

P.T.O.



22  
APPENDIX 6

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- 2 -

O.C. 'O' Section will send a priority wire, in code, to 46th Divisional H.Q., 137th, 138th and 139th Inf. Bde., 2 hours previous to the operation taking place whether smoke and gas will be fired or not.

5. Codos.

Smoke and Gas will be fired at Zero:	...	BETTER.
Smoke only will be fired at Zero:	...	GOOD.
'ALL CLEAR'	... ..	BEST.

6. Special Precautions.

All personnel will wear smoke helmets and all gas doors will be closed from zero minus 10 minutes till 'ALL CLEAR', within the following areas :-

East of the following line :-

H.19.a.4.3. - G.12.d.0.0. - G.11.a.9.9.

*L. R. Sandeman* *Capt.*

*Lt.* Lieut-Colonel,  
General Staff, 46th Division.

Issued to all recipients of D.O. 271 at 7 a.m., 8/12/17..  
Also 1st Bde. R.F.C.

*22 only*



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SECRET.

With reference to para 7 of 46th Division Order No. 271 dated 6th December, 1917.

Appendix 'C' to 46th Division Order No. 271 (Machine Gun Arrangements) is as follows :-

A P P E N D I X 'C'.  
- - - - -1. REAL RAID. (See attached map 'A').

No. of guns.	Times of fire.	Target.	Position of gun
--------------	----------------	---------	-----------------

Guns of 137th Infantry Brigade.

1.	Zero plus 3' to Zero plus 10'.	'A' (HALIFAX ALLEY).	G.18.a.
2.	" " " " " "	'B'	G.24.d.
1.	" " " " " "	'C'	G.17.d.
1.	" " " " " "	'E'	CURZON STREET.
3.	" " " " " "	'F' (HAMLET TR:)	"
1.	" " " " " "	'G'	G.24.b.
1.	" " " " " "	'J' (HYSON ALLEY).	"
1.	" " " " " "	'R'	G.18.c.
1.	" " " " " "	'D'	HAY ALLEY.

Guns of 139th Infantry Brigade.

1.	Zero plus 3' to Zero plus 10'	'K'	G.11.d.
2.	" " " " " "	'M' (HAMLET TR:)	G.11.c.
1.	" " " " " "	'O'	G.10.b.
1.	" " " " " "	'P'	"
1.	" " " " " "	'S'	G.10.c.
2.	" " " " " "	'N'	G.23.a.
2.	" " " " " "	'L'	G.11.c.

Guns of 138th Infantry Brigade.

2.	Zero plus 3' to Zero plus 10'.	'Q' (GRIZZLY ALLEY).	G.10.a.
----	--------------------------------	----------------------	---------

Guns of 178th Machine Gun Company.

2.	Zero plus 3' to Zero plus 10'.	'H'	G.24.d.
----	--------------------------------	-----	---------

Rate of fire for all guns - Rapid.

Orders with reference to fire at the later stages of the raid will be issued later.

2. SOUTHERN DUMMY RAID. (Ref: map, HULLUCH (2) - Special map not issued).

No. of guns.	Times of fire.	Targets.	Position of gu
--------------	----------------	----------	----------------

Guns of 137th Infantry Brigade.

4.	Zero minus 8' to Zero plus 1'.	HULLUCH TR: from H.13.d.3.5 to H.19.b.97.37.	CURZON STREET.
----	--------------------------------	----------------------------------------------------	-------------------

Guns of



# APPENDIX 6

2.

No. of guns. Times of fire. Target. Position of gun.

## Guns of 139th Infantry Brigade.

1. Zero minus 8' to Zero plus 1'. HENDON ALLEY at G.11.c.  
H.13.a.25.66.  
1. " " " " " " " " HILDA TR: at G.11.d.  
H.19.b.25.29.

## Guns of 178th Machine Gun Company.

2. Zero minus 8' to Zero plus 5' From H.13.c.90.90 G.30.d.  
to H.13.c.85.50.

## Guns of 11th Division.

2. Zero minus 8' to Zero plus 5'. H.19.d.55.45.

## 3. NORTHERN DUMMY RAID. (Ref: attached map 'A').

No. of guns. Times of fire. Target. Position of gun.

## Guns of 42nd Division.

4. Zero minus 4' to Zero plus 5'. 'W'. 'A' Battery.

## Guns of 138th Infantry Brigade.

1. Zero minus 4' to Zero plus 5'. 'X'. G.9.a.  
1. " " " " " " " " 'U'. "  
1. " " " " " " " " 'T'. "

## Guns of 139th Infantry Brigade.

1. { Zero minus 4' to Zero plus 5'. 'Y'. G.10.c.  
" " " " " " " " 'Y'. G.23.a.  
1. Zero minus 4' to Zero plus 1'. 'Z'. "  
1. " " " " " " " " 'Z'. "

Rate of fire for all guns - Rapid.

## 4. H.25.b. AREA. (Ref: map, HULLUCH (2) - special map not issued).

No. of guns. Times of fire. Target. Position of gun.

## Guns of 11th Division.

2. Zero minus 4' to Zero plus 5'. HOBBS ALLEY.  
2. Zero minus 8' to Zero plus 5'. H.19.d.55.45.

Rate of fire for all guns - Rapid.

5. (a). Where guns are enfilading trenches sufficient traverse must be given to ensure the target being hit.  
(b). Attention must be paid to the allowances for the "Error of the day".  
(c). Gun positions must be sited to allow of safe clearances being ensured.

6. SYNCHRONIZATION. Machine Gun Companies will synchronize watches with their own Brigades: 178th M.G. Coy: with 139th Inf: Brigade.

*H. D. Sandeman. Capt.*

Lieut. Colonel,  
General Staff, 46th Division.

8th December, 1917.

Issued at 2.30 pm to all recipients of D.O.271 -  
Maps only forwarded to units concerned.



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APPENDIX

25  
6

*Appendix 6.*

S E C R E T.  
- - - - -

G. 742/260.

\*\*\*\*\*

AMENDMENT No. 1 to

46th DIVISION ORDER No. 271.

\*\*\*\*\*

Reference Appendix "A", - Northern Dummy Raid Front.

The artillery will lift off the enemy front line at Zero - 2'  
and not Zero - 3' as stated.

*H. R. Sandeman Capt.*

*H. R.*  
Lieut-Colonel,  
General Staff, 46th Division.

Issued at 2 pm, 7-12-1917,-

To all recipients of 46th Division Order No. 271.



356  
S E C R E T.  
- - - - -

G. 742/365.  
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AMENDMENT No. 2 to

46TH DIVISION ORDER No. 271.

\*\*\*\*\*

With reference to 46th Division Order No. 271, Appendix "B", para. 6.- Amend map references of special precautions to read as follows :-

H 19 a 4.3 - G 18 b 40.22 - G 18 b 80.70 and G 12 c 35.72  
- G 11 a 98.26 - G 11 a 9.9.

--- ---

Reference 46th Division Order No. 271.

Appendix "B" gives the correct timings for the smoke and gas barrages :-

Order No. 271 and Appendix "A" will now require to be amended as follows :-

Order 271, para. 8,- amend as follows :-

- (a) Zero to Zero plus 20'.
- (b) Zero - 8' to Zero plus 40'.
- (c) Zero - 4' to Zero plus 50'.

Appendix "A", Order No. 271, amend as follows :-

4" Stokes fire smoke :-

Real Raid Front - Zero to Zero plus 20'.

Southern Dummy Raid Front - Zero - 8' to Zero plus 40'.

Northern Dummy Raid Front - Zero - 4' to Zero plus 50'.

*L. A. San Juan* *Capt.*

*fr:*  
Lieut-Colonel,

General Staff, 46th Division.

8-12-1917.

Issued at 8 pm, to all recipients of Order No. 271 and  
1st Brigade, R.F.C.



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APPENDIX

27

6

SECRET  
\*\*\*\*\*

No. G.700/18.

3rd Aust Coy RE

Reference 139th Infantry Brigade Order No. 152,

para. 1:-

ZERO hour will be 3.40 p.m., 11th December.

ACKNOWLEDGE.

10/12/17.

Captain.

Brigade Major, 139th Inf. Brigade.



S E C R E T.  
- - - - -G. 742/273.  
-----

ADDENDUM No. 2 to 46TH DIVISION ORDER No. 271.

\*\*\*\*\*

Reference para. 1.- Zero hour will be 3.40 pm.-Reference para. 11.- A Searchlight will be placed near the French Cemetery, South of VERMELLES,

in G 14 c.

The Light will be exposed from Zero plus 60' onwards.

Reference para. 12.- Arrangements have been made by 1st Brigade, R.F.C., for the following operations to be carried out on the 11th inst: by 1st and 10th Wings, R.F.C.-

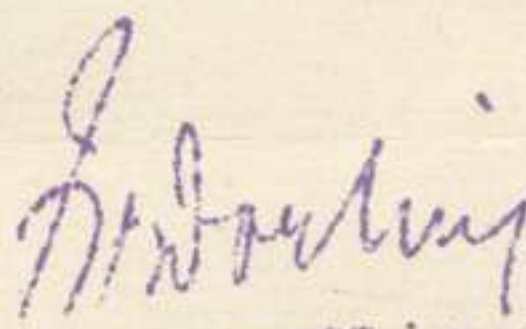
1. (a) O.C., 1st Wing will detail machines for the necessary counter battery work.

(b) O.C., 1st Wing will detail machines to bomb various German Headquarters at intervals from Zero - 2' until dusk.

2. O.C., 10th Wing will arrange for offensive patrols of scouts between LA BASSEE and HARNES from Zero - 1 hour till dusk.

The chief duty of these patrols is to prevent hostile aeroplanes from observing the assembly of troops.

--- \*\*\* ---

ACKNOWLEDGE.Lieut-Colonel,  
General Staff, 46th Division.

Issued at 8 pm, 10-12-1917,-

To all recipients of 46th Division Order No. 271  
and Capt: GOTCH, O.C., No. 4 A.A. Searchlight Section, R.E.



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APPENDIX

29  
6

SECRET  
\*\*\*\*\*

No. G.975.

*3rd Aust Coy.*

Owing to unfavourable wind, the operation detailed in  
139th Infantry Brigade Order No. 151 did not take place today.  
This operation will take place tomorrow 10/12/17, all  
other details remain the same.

ACKNOWLEDGE. ✓

*Asst. Quarter Master*  
*for*

Captain.

9/12/17.

Brigade Major, 139th Infantry Brigade



SECRET

\*\*\*\*\*

Copy No. 16

## 139th INFANTRY BRIGADE ORDER No. 151.

Ref :- Map 36.c.N.W.3. 1/10,000

1. A gas operation will be carried out by No. 4 Special Company R.E., on the HULLUCH and ST.ELIE Fronts on 9th December.  
This operation will consist of a rehearsal of the smoke screens to be used in connection with the 139th Infantry Brigade Raid on the 11th instant, but in this case gas bombs will be mixed with the smoke.

## 2. Emplacements :-

"O" Section. 6 Mortars at about H.13.c.15.75  
6 " " " G.18.d.90.90

"Q" Section. 3 Mortars at about G.12.c.40.65  
6 " " " G.11.b.25.50  
3 " " " G.11.b.15.85.

3. Targets, times of firing and wind limits will be in accordance with the under-mentioned table :-  
Targets, etc., for smoke :-

Targets.	Object.	Time of firing	Wind limits.
H.19.a.6.6 - H.13.c.6.3.	Southern dummy screen.		
G.5.c.7.1 - G.5.c.2.3 If wind is between Q. & N.W., bombs will be dropped 250 yds N.E. of targets named.	Northern dummy screen.		
H.13.c.5.8 - H.13.a.5.3 If wind is between S.W. & S., bombs will be dropped 200 yds E. of targets named.	Real raid front, Southern smoke barrage.	Z to Z plus 10.	S. to N.W. through W.
G.12.d.7.8 - G.12.b.2.1.	Real raid front, Northern Smoke barrage		

## Targets, etc., for GAS :-

Targets.	Wind limits.	Time of firing
Southern Dummy smoke screen	S. via W. to N.W.	
Smoke screen, real raid - Southern barrage.		
Raid area		
Smoke screen, real raid - Northern barrage.		
Northern Dummy Smoke screen.	S. to W.	
		Rapid fire at Zero till all Ammunition is fired.

P.T.O.



- 356
4. Special Precautions. All personnel will wear box respirators and all gas doors will be closed from ZERO - 5' till 'ALL CLEAR' is given within the following areas :-  
East of the following line - H.19.a.4.3 - G.12.d.0.0 - G.11.a.9.9.
5. Communications  
O.C. "O" Section will be located at Battalion Headquarters in HULLUCH TUNNEL.  
O.C. "Q" Section will be at Battalion Headquarters in STANSFIELD ROAD.  
A priority message will be sent to all recipients of this order from Brigade Headquarters two hours previous to ZERO to say whether the operation is to take place or not, and another when all is clear.
6. ZERO.  
Alternative Zeros have been arranged as follows :-  
First ZERO. 10 a.m.  
Second ZERO. 1.30 p.m.
7. Synchronisation.  
O.C. "O" Section, No. 4 Special Company R.E., will synchronise watches at Battalion Headquarters in HULLUCH TUNNEL at a.m.  
Each front line Battalion will send a representative to these Headquarters to synchronise with O.C. "O" Section at this hour
8. Codes.  
Operation will take place at First Zero - FIRST SHELL  
First Zero cancelled: operation will take place at second Zero SECOND SHELL  
Operation completed - "ALL CLEAR" BURST  
Operation cancelled for the day. BLIND.
9. ACKNOWLEDGE.

*[Signature]*  
Captain.  
Brigade Major, 139th Inf. Brigade.

230pm  
Issued at to

Copy No. 1. 46th Divn.  
3. 138 Inf. Bde.  
5. 5th Battalion S.F.  
7. 7th Battalion S.F.  
9. 139 M.G. Company.  
11. 465 Fd. Coy. R.E.  
13. Bde. Signal Officer.  
15. 1/2nd N.M.F.A.

Copy No. 2. 137 Inf. Bde.  
4. ST. ELIE GROUP.  
6. 6th Battalion S.F.  
8. 8th Battalion S.F.  
10. 139 T.M. Battery.  
12. B.T.O.  
14. Staff Captain.  
16. 3rd Aus T. Coy. ✓



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Appendix 6. 32

SECRET.  
\*\*\*\*\*Copy No. 11

R.A.M.C. OPERATION ORDER NO. 133.  
issued by  
Colonel T. KAY., A.M.S.  
A.D.M.S. 46th. (North Midland) Division.  
\*\*\*\*\*

Reference 46th. Division Order 271. Map-sheets ST.ELIE.  
HULLUCH (2) and  
Secret Trench Map 1/10.000.

1. On December 11th. at a time to be notified later, the 159th. Infantry Brigade will carry out a daylight raid, in the Area H.7.c.10.05. - H.7.c.50.12. - H.7.c.17.70. - G.12.d.90.63.
2. An Advanced R.A.P., under the Command of the M.O. i/c., 1/5th. Sherwood Foresters, will be established in the Tunnel at the foot of the Shaft which leads down from BOYAU 78. Thence cases will be evacuated by way of STONE ST., DUDLEY and HULLUCH TUNNELS.
3. O.C. 1/1st. N.M. Field Ambulance will detail 1 M.O. to be at ST.ELIE "B" R.A.P. (G.17.b.6.9.). He will also detail 16 R.A.M.C. Bearers to be at BOYAU 78; 3 R.A.M.C. Bearers at the POWER-HOUSE; while at HULLUCH SHAFT R.A.P., and the posts A.1., A.2., and A.3., the usual personnel will be doubled.
4. O.C. 1/3rd. N.M. Field Ambulance will detail 2 Motor Ambulances to be at M.D.S. LABOURSE by noon on December 11th.
5. All stretcher cases will be evacuated direct to 33 C.C.S. All walking wounded will be sent by Motor Ambulance to LABOURSE.
6. M.O. i/c., HULLUCH TUNNEL R.A.P. will furnish all assistance in his power.
7. O.C. 3rd. Australian Tunnelling Company will arrange for Tunnels to be kept clear while wounded are passing down. All sandbags, planks, and similar obstructions should be removed, so that the fairway be kept clear.

O. Steel

7/12/17.

Captain D.A.D.P.C.  
for A.D.M.S. 46th. Division.

Copy to :-

D.D.M.S. 1. Corps.  
A.D.M.S. 11th. Division.  
A.D.M.S. 42nd. Division.  
"G", 46th. Division.  
"Q", 46th. "  
C.R.A., 46th. "  
C.R.E., 46th. "  
H.Q., 137th. I. Bde.  
H.Q., 138th. I. Bde.  
H.Q., 139th. I. Bde.  
O.C. 3rd. Aus. Tunnelling Coy. ✓  
O.C. 1/1st. N.M. F. Amb.  
O.C. 1/2nd. do.  
O.C. 1/3rd. do.  
M.O. i/c., 1/5th. Sherwoods.  
War Diary.  
Office.



356 Copy  
SECRET.

Appendix 7.

33.

A.M.1/214.

Chief Engineer,  
1st Corps/

Replying to your minute No.1482 re suggestion for defending subways by driving poison gas along the tunnels.

It would be quite possible by installing a fan somewhere in the vicinity of the power plant and regulating doors at the junctions of the tunnels to cause a five or six miles per hour breeze along any of the forward subways at any time.

As we have a standby generating set, there is ample power in the existing plant for driving the fan even when the lights are on.

On account of the possible danger to our own troops, I do not think it would be wise to use gas for defensive purposes in the way suggested; but it may perhaps be advisable to instal a system of forced draught in order to clear any portion of the subway system which might be gassed by local enemy shelling or bombing.

*Alex. Sanderson*

Major,

7/11/17.

O.C., 3rd Australian Tunnelling Company.

*VKB.*



(Copy)  
SECRET.C.E., 1st Corps, No.1488.

O.C.,

3rd Australian Tunnelling Company/

It has been suggested that, in view of a possible penetration into the infantry subways by the enemy, it would be a good thing to instal fans worked by the electric generating plant by means of which gas could be driven down the galleries.

The whole system depends on the direction of the natural ventilation and the power required.

Will you consider the matter and let me know whether you consider the scheme feasible and what it would mean.

27/10/17.

(Sgd) H.W.Gordon,  
C.E., 1st Corps.

W.B.



G.727/443.

WITH REFERENCE to 46th DIVISION ORDER No. 270 of  
6th December, 1917.

1. 46th Divisional Artillery will bombard selected enemy front, support and reserve trenches 5 minutes after the projectors are fired, i.e., 8.35 pm to 8.40 pm.
2. The object of the artillery fire is to catch any enemy who may run forward when they come under our gas bombardment.
3. Detailed orders have been sent to 138th and 139th Inf. Bdes. and all artillery units concerned, under 46th Divisional Artillery Order No. 262.

Chas. Thurman Carr.

for: Lieut-Colonel,  
46th Division...

8/12/17.

Issued at 2 p.m. to all recipients of D.O.270.

[illegible]



356  
Secret.

Copy No. 23

## 46th DIVISION ORDER NO. 270.

Ref: Map - Secret Trench, 1/10,000.

6th December, 1917.

1. A Gas Operation will be carried out on the CAMBRIN Front (138th Infantry Brigade), on the night 9th/10th. December 1917 or on the first night the wind is favourable.

2. 'D' Special Company will bombard enemy positions in the vicinity of AUCHY and CORONS de MAROC.

Positions of projectors and targets are as follows :-

	Position.	Target.
(a)	100 (4') at about A.27.c.95.75.	AUCHY.
(b)	300 (2'9") " G.4.a.05.20	Area G.5.a.30.60.
(c)	400 (2'9") " G.3.b.90.50	Area A.29.c.50.00 - A.29.c.50.30.

The above 800 projector bombs will be fired simultaneously at zero.

3. Wind Limits. - South by West through South-west to West.

4. Special Precautions. - All personnel will wear box respirators and all gas doors will be closed from Zero minus 5' till 'ALL CLEAR' is given, within the following areas :-

- (a) A.27.c.80.60 - A.27.b.50.30 - front line to A.27.d.90.70 - A.27.c.80.60.
- (b) G.3.b.90.70 - A.28.c.40.40 - front line to G.4.d.50.80 - G.3.b.90.10 - G.3.b.90.70.

5. Codes. The following codes will be used :-

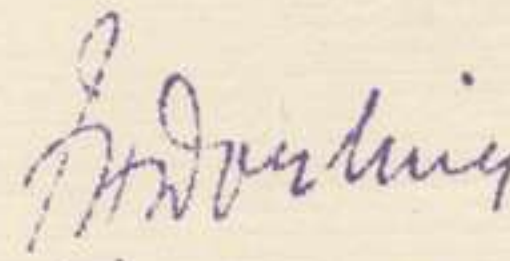
Operation will take place to-night.	...	SUMMER.
Operation will not take place to-night.	...	WINTER.
'ALL CLEAR'	...	SPRING.

Officer in charge of Gas Operation, 'D' Spl. Company, R.E., will send a priority wire, in code, to Division and 138th I.B. Headquarters, saying whether operation will take place or not.

6. Synchronization. - Officer of 'D' Spl. Company, R.E. in charge of operations will synchronize watches at 138th Inf. Bde. Headquarters on the evening of the operation.

7. Zero. Zero hour will be at 8.30 p.m.

3. ACKNOWLEDGE.



Lieut-Colonel,  
General Staff, 46th Division...

Issued at 2 p.m. - (see distribution over).



- 2 -

Copy No. 1 to G.R.A.  
2 C.R.E.  
3 O.C. Signals.  
4 137th Inf. Bde.  
5 138th     ,,  
6 139th     ,,  
7 1st Monmouths.  
8 178th M.G.Co.  
9 D.M.G.O.  
10 A.A. & Q.M.G.  
11 A.D.M.S.  
12 D.G.O.  
13 A.D.C. for G.O.C.  
14 No. 4 Spl. Coy. R.E.  
15 'D' Spl. Coy. R.E.  
16 11th Division.  
17 42nd Division.  
18 I Corps H.A.  
19 I Corps R.A.  
20 I Corps C.B.O.  
21/22 I Corps.  
23 5rd Australian Tunnelling Co.  
24 170th Tunnelling Co.  
25/26 File.  
27/28 War Diary.



(27802) Wt. W14832/M1523. [E 930] 100,000 Pads—3/17. M.R.Co., Ltd. Forms C./2123.



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APPENDIX

39.  
10

Appendix

Form.

Appendix 10

S e c r e t.

G.727/442.

REFERENCE 46th DIVISION ORDER NO: 272 dated  
8th DECEMBER, 1917.

Cancel para. 6 of above order and substitute :-

Zero. - Alternative Zeros have been arranged as  
follows :-

First Zero - 10 a.m. Second Zero - 1.30 pm.

ACKNOWLEDGE.

*L. D. Sandeman* *Subv.*

Lieut-Colonel,  
General Staff, 46th Division.

8/12/17.

Issued at 2 pm., to all recipients of D.O.272



S e c r e t.

G.727/447.

The Operation mentioned in 46th DIVISION ORDER No. 272 dated 8th December, 1917 and amendment thereto (G.727/442), did not take place to-day, owing to the wind being unfavourable.

This Operation will take place to-morrow 10/12/17, at the same zero hours as mentioned in G.727/442 of 8/12/17.

ACKNOWLEDGE.

*J. H. M. O'Connell*

Lieut-Colonel,  
General Staff, 46th Division.

Issued at 8<sup>5</sup> p.m., 9/12/17 to all recipients of D.O.272.



356

H H H H H H,

Copy No. 23

## 48TH DIVISION ORDER No. 272.

\*\*\*\*\*

Ref: Map, 1/10,000,  
LOOS Secret.8th December, 1917.

1. A gas operation will be carried out by No. 4 Special Company, R.E., on the HULLUCH and CITE ST ELIE Fronts on 9th December. This operation will consist of a rehearsal of the smoke screens to be used in connection with the 139th Infantry Brigade Raid on the 11th instant, but in this case gas bombs will be mixed with the smoke.

## 2. Emplacements.-

"O" Section. 6 Mortars at about H 13 c 15.75.  
6 : : : G 18 d 90.90.

"Q" Section.- 3 Mortars at about G 12 c 40.65.  
6 : : : G 11 b 25.50.  
3 : : : G 11 b 15.85.

3. Targets, times of firing and wind limits will be in accordance with the under-mentioned table :-

Targets, etc, for SMOKE :-

Targets.	Object.	Time of firing.	Wind limits.
H 19 a 6.6 - H 13 c 6.3.	Southern Dummy Screen.		
G 5 c 7.1 - G 5 c 2.3. If wind is between W. & N.W., bombs will be dropped 250 yds N.E. of targets named.	Northern Dummy Screen.		
H 13 c 5.8 - H 13 a 5.3. If wind is between S.W. & S., bombs will be dropped 200 yds E. of targets named.	Real Raid Front, Southern Smoke Barrage.	Z to Z plus 10.	S. to N.W. through W.
G 12 d 7.8 - G 12 b 2.1.	Real Raid Front, Northern Smoke Barrage.		

Targets, etc, for GAS :-

Targets.	Wind Limits.	Time of firing.
Southern Dummy Smoke Screen.		
Smoke screen, real raid - Southern barrage.	S. via W. to N.W.	
Raid area.		Rapid fire at Zero till all ammunition is fired.
Smoke screen, real raid - Northern barrage.	S. to W.	
Northern Dummy Smoke Screen.		

P.T.O.



(2)

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4. Special Precautions.- All personnel will wear box respirators and all gas doors will be closed from Zero - 5' till 'ALL CLEAR' is given within the following areas :-  
East of the following line - H 19 a 4.3 - G 12 d 0.0 - G 11 a 9.9.
5. Communications.- O.C., "O" Section, will be located at Battalion Headquarters in HULLUCH Tunnel,.  
O.C., "Q" Section will be at Battalion Headquarters in STANSFIELD ROAD.  
O.C., "O" Section will send a Priority wire in code to 46th Division headquarters, 137th, 138th and 139th Infantry Brigade headquarters two hours previous to Zero to say whether the operation is to take place or not and another wire when all is clear.
6. Zero.- Alternative Zeros have been arranged as follows :-  
First Zero - ~~12 noon~~ <sup>10 am</sup> Second Zero - ~~3.30 pm~~ <sup>1.30</sup>
7. Synchronization.- O.C., "O" Section, No. 4 Special Company, R.E., will synchronize watches at Battalion Headquarters in HULLUCH Tunnel at 8 am.
8. Codes.- Operation will take place at First Zero - FIRST SHELL.  
First Zero cancelled: operation will take place at Second Zero - SECOND SHELL.  
Operation completed - "ALL CLEAR" - BURST.  
Operation cancelled for the day - BLIND.
9. ACKNOWLEDGE.

*L. R. Sandeman. Capt.*

*for:*  
Lieut-Colonel,  
General Staff, 46th Division.

Issued at 7 am.-

- Copy No. 1 to
- |       |                                 |
|-------|---------------------------------|
| 1     | G.R.A.                          |
| 2     | C.R.E.                          |
| 3     | O.C., Signals.                  |
| 4     | 137th Inf: Bde.                 |
| 5     | 138th : :                       |
| 6     | 139th : :                       |
| 7     | 1st Monmouths.                  |
| 8     | 178th M.G. Co.                  |
| 9     | D.M.G.O.                        |
| 10    | A.A. & Q.M.G.                   |
| 11    | A.D.M.S.                        |
| 12    | D.G.O.                          |
| 13    | A.D.C. for G.O.C.               |
| 14    | No. 4 Special Co, R.E.          |
| 15    | "D" Special Co, R.E.            |
| 16    | 11th Division.                  |
| 17    | 42nd Division.                  |
| 18    | I Corps H.A.                    |
| 19    | I Corps R.A.                    |
| 20    | I Corps C.B.O.                  |
| 21/22 | I Corps.                        |
| 23    | 3rd Australian Tunnelling Co. ✓ |
| 24    | 170th Tunnelling Co., R.E.      |
| 25/26 | File.                           |
| 27/28 | War Diary.                      |
| 29    | No. 2 Squadron, R.F.C.          |
| 30    | 1st Brigade, R.F.C.             |



"C" Form  
MESSAGES AND SIGNALS.

No. of Message:

MESSAGES AND SIGNALS.			No. of Messages		Office Stamp.	
Prefix	Code	Words	Received.	Sent, or sent out.		
		£ s. d.	From	At	m.	
Charges to Collect			By	To		
Service Instructions			By		m.	
Handed in at			Office	Received	m.	
TO	<div style="border: 1px solid black; padding: 5px;"> <p>170 <del>Yamaguchi</del> <del>for R6</del>  3rd <del>Amstn</del> <del>Shimizu</del> <del>Coy.</del></p> </div>					
*Sender's Number	Day of Month		In reply to Number		A A A	
9344	9th		-			
SECOND	shell					
<div style="border: 1px solid black; padding: 5px;"> <p>46 Div  8.25 am</p> </div>						

\* This line should be erased if not required.

[18958] W528/M1970 50m 4/17 W. & Co. Ltd. E1213



APPENDIX

43.  
10



# MESSAGES AND SIGNALS.

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

No. of Message.....

Prefix.....	Code.....	Words.....	Charge.....
Office of Origin and Service Instructions.			
This message is on a/c of:		Reed. at ..... m.	
Sent		Date.....	
At.....		Service.....	
To.....		From.....	
By.....		By.....	

TO { *Pierre*

Sender's Number. * <i>G 392</i>	Day of Month. <i>10</i>	In reply to Number. <i>AAA</i>
------------------------------------	----------------------------	-----------------------------------

*SECOND SHELL*

*46 km.*

From	
Place	
Time	

The above may be forwarded as now corrected, (Z)

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

\* This line should be erased if not required.

(3198.) Wt. W 12952/M1294. 375,000 Pads. 1/17. H. W. & V., Ltd. (E. 818.)

# MESSAGES AND SIGNALS.

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

No. of Message.....

Prefix.....	Code.....	Words.....	Charge.....
Office of Origin and Service Instructions.			
This message is on a/c of:		Reed. at ..... m.	
Sent		Date.....	
At.....		Service.....	
To.....		From.....	
By.....		By.....	

TO { *Z. E. 1*

Sender's Number. * <i>T 282</i>	Day of Month. <i>9</i>	In reply to Number. <i>AAA</i>
------------------------------------	---------------------------	-----------------------------------

*Reference Gold order*

*151 a a a*

*BLIND*

From <i>139 Bae</i>	
Place	
Time	

The above may be forwarded as now corrected, (Z)

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

\* This line should be erased if not required.

(3198.) Wt. W 12952/M1294. 375,000 Pads. 1/17. H. W. & V., Ltd. (E. 818.)

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APPENDIX 10

44



356

SECRET  
\*\*\*\*\*

Copy No. 16  
-----

139th INFANTRY BRIGADE ORDER No. 152.  
-----

Ref. Maps :- HULLUCH (2)  
QUARRIES (2)  
Secret Trench Maps 1/10,000.  
-----

9th December, 1917.  
-----

1. On the 11th December, 1917, the 1/5th Battalion Sherwood Foresters will raid the enemys' 1st, 2nd and 3rd line trenches within the area H.7.c.10.05 - H.7.c.50.12 - H.7.c.17.70 - G.12.d.90.63.  
ZERO hour will be notified later.
2. The raid will be carried out with four Companies in depth; each Company will be allotted a definite area to clear.
3. The raiders will assemble in front line trench between BOYAUX 78 and 79.  
The raid will be carried out in three waves :-  
The first wave will clear and hold enemy's front line.  
The second " " " " " " " " second "  
The third " " " " " " " " third "
4. In conjunction with the raid, the following operations will be carried out :-
  - (a) A demonstration with dummies will be made at ZERO - 7' on the front BOYAUX 70 - 72 (southern dummy raid front), the Artillery to commence at ZERO - 8'.
  - (b) A demonstration with dummies will be made at ZERO - 3' on the front between GORDON ALLEY and HULLUCH ALLEY (northern dummy raid front), the Artillery to commence at ZERO - 4'.
  - (c) Artillery to put down a barrage on enemys' trenches in H.25.b. at ZERO - 4'.
5. Wire cutting on the real raid front and the dummy fronts, will be continued up to and including "Z" day.
6. No. 4 Special Company R.E., are co-operating by placing :-
  - (a) Smoke screen on the flanks of the real raid front from ZERO to ZERO plus 45' 20'
  - (b) A smoke screen in front of dummies on southern dummy raid front from ZERO - 8' to ZERO plus 20' 40'
  - (c) A smoke screen in front of dummies on northern dummy raid front at ZERO - 4' to ZERO plus 25' 50'
  - (d) By firing gas bombs into HULLUCH and CITE ST.ELIE from ZERO - 8' onwards.  
Detailed arrangements of smoke and gas discharges are shown in Appendix "B" attached.
7. The timing of Artillery, Machine Guns, Smoke and Gas, are shown in Appendix "A" (attached)

P.T.O.



# APPENDIX

8. Co-operation by 3" Stokes Mortars is shown in Appendix "C" (attached)
9. Artillery barrages have been issued to all concerned.
10. Machine Gun arrangements are shown in Appendix "D"
11. The R.F.C. are co-operating by :-
  - (a) Patrolling the front prior to ZERO.
  - (b) Dropping Bombs on selected Regimental Headquarters in rear, after ZERO.
12. Watches will be synchronised at 139th Infantry Brigade Headquarters at ZERO - 4 hours on "Z" day. For Units in the line, watches will be synchronised at Right Battalion Headquarters, DEVON LANE, at ZERO - 3 hours.
13. The 8th Battalion Sherwood Foresters will detail sufficient men to take over the Posts of the 5th Battalion Sherwood Foresters for the afternoon and night of the 11th instant. Separate instructions will be issued to all concerned concerning this.
14. ACKNOWLEDGE

*[Signature]*

Captain.  
Brigade Major, 139th Inf. Brigade.

Issued at 8 AM to :-

- |             |                                  |     |
|-------------|----------------------------------|-----|
| Copy No. 1. | 46th Division.                   |     |
| 2.          | 137th Infantry Brigade.          | *   |
| 3.          | 138th Infantry Brigade.          | *   |
| 4.          | 5th Battalion Sherwood Foresters | * ✓ |
| 5.          | 6th Battalion Sherwood Foresters |     |
| 6.          | 7th Battalion Sherwood Foresters | *   |
| 7.          | 8th Battalion Sherwood Foresters | *   |
| 8.          | 139 M.G. Company                 | φ   |
| 9.          | 139 T.M. Battery                 | *   |
| 10.         | ST. ELIE GROUP R.A.              | *   |
| 11.         | 465 Field Company R.E.           |     |
| 12.         | 1st Monmouth Regiment.           |     |
| 13.         | Brigade Transport Officer.       |     |
| 14.         | Brigade Signal Officer.          |     |
| 15.         | Staff Captain.                   |     |
| 16.         | 3rd Australian Tunnelling Coy. ✓ |     |
| 17.         | No. 4 Special Company R.E.       |     |
| 18.         | 1/2nd N.M.F. Amb.                |     |

N.B. Appendix "C" is issued only to copies marked \*

Appendix "D" is issued only to copies marked φ



APPENDIX "A" ISSUED WITH 139th INFANTRY BRIGADE ORDER No. 152.  
 \*\*\*\*\*

	Artillery fire starts at	Artillery fire lifts off enemy front line at	Artillery fire ceases at	M.G. Barrage starts at	Dummies shown at	4" Stokes fire smoke.	4" Stokes fire gas.
REAL RAID FRONT:	ZERO	Under arrange- ments issued to all concerned	When all clear	ZERO plus 3'	-	ZERO to ZERO plus 20'	ZERO - 8'
SOUTHERN DUMMY RAID FRONT	ZERO - 8'	ZERO - 6'	ZERO - 2'	ZERO - 8'	ZERO - 7'	ZERO - 8' to ZERO plus 40'	on CITE ST. ELIE and
NORTHERN DUMMY RAID FRONT.	ZERO - 4'	ZERO - 2'	ZERO plus 7'	ZERO - 4'	ZERO - 3'	ZERO - 4' to ZERO plus 50'	HULLUCH
AREA H.25.b.	ZERO - 4'		ZERO plus 8'	ZERO - 4'			

Appendix II

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APPENDIX 'B'  
\*\*\*\*\*

1. The arrangements for co-operation by No. 4 Special Company R.E. on real and dummy Raid fronts will be as under : -

2. Emplacements.
- |              |   |         |          |               |
|--------------|---|---------|----------|---------------|
| 'O' Section, | 6 | Mortars | at about | H.13.c.15.75. |
|              | 6 | "       | "        | G.18.d.90.90. |
| 'Q' Section, | 3 | "       | "        | G.12.c.40.65. |
|              | 6 | "       | "        | G.11.b.25.50. |
|              | 3 | "       | "        | G.11.b.15.85. |

3. Targets, times of firing and wind limits are in accordance with undermentioned table : -

TARGETS FOR SMOKE.

Targets.	Object.	Time of firing	Wind limits
H.19.a.6.6. - H.13.c.6.3.	Southern dummy raid.	Z - 8 to Z plus 40 mins.	S. via W N. & E. to S.E.
G.5.c.7.1. - G.5.c.2.3.	Northern dummy Raid.	Z - 4 to Z plus 50 mins.	All winds
If wind is between W. & N.W. bombs will be dropped 250 yds N.E. of targets named.			
H.13.c.5.8. - H.13.a.5.3.	Real Raid Southern barrage.	Z to Z plus 20 mins.	S. via W. & N. to E.
If wind is between S.W. & S. bombs will be dropped 200 yds.E. of targets named.			
W. of School House about H.13.b.5.9.	do	do	do
G.12.d.7.8. - G.12.b.2.1.	Real Raid front Northern barrage.	Z to Z plus 20 minutes.	S. via W. to N.W. & N.E. to S.
If wind is between W. and N.W. bombs will be dropped 300 yds E. of targets named.			

TARGETS FOR GAS.

S. of Raid area; 150 yards radius round point H.13.b.5.0.	Rapid fire from ZERO - 8 mins.	S.W. through W. to N.W.
150 yds radius round point H.13.b.9.8.		
N. of raid area: 150 yds radius round point G.12.b.6.7.	till all ammn. is fired	do S. to W. do
Front and second lines from ZEPPELIN ALLEY to N. end of QUARRIES.		

(4.Over.



4. Communications.

O.C. "O" Section No. 4 Special Company R.E., will be located at Battalion Headquarters in HULLUCH TUNNEL.

O.C. "Q" Section will be at Battalion Headquarters in STANSFIELD ROAD.

5. If the wind is unfavourable for the whole of this Programme to be carried out, only those targets for which the wind is favourable will be engaged.

6. The following code will be used and a message will be sent to all concerned at ZERO - 2 hours.

SMOKE and GAS will be fired	= BETTER
SMOKE ONLY	= GOOD
ALL CLEAR	= BEST

7. If gas as well as smoke is going to be discharged discharged the following precautions will be necessary. All troops will wear Box respirators and all gas doors will be closed within the area formed by joining the following three map references together, from ZERO - 10' to "ALL CLEAR"

(1) H.19.a.4.3  
G.18.b.2.7 14 22  
G.18.b.8.7

(2) G.11.a.9.9  
G.12.c.8.3 35 72  
G.12.c.9.7  
G.11.a.98 26



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SECRET.

G. 4/11.

I Corps.  
\*\*\*\*\*

With reference to I Corps 228 (G.O) dated 6-12-1917.-  
It is desired to commence work on the improvement of the  
Right Battalion Headquarters, HULLUCH Section, in CURZON  
STREET as soon as possible, and for this purpose the  
assistance of 3rd Australian Tunnelling Company is  
required.

2. May approval be given please for the employment of  
tunnellers on this work. If so, it is requested that O.C.,  
3rd Australian Tunnelling Co should place himself in touch  
with G.O.C., 137th Infantry Brigade (H.Q.- MAZINGARBE) who  
will be able to furnish all the necessary particulars as to  
requirements.
3. 137th Infantry Brigade will furnish the necessary spoil  
parties.

*Handwritten signature*  
Major-General,  
Commanding 46th Division..

10-12-1917.

Copy to 3rd Australian Tunnelling Co.  
137th Infantry Brigade.

*Handwritten initials*

*Handwritten initials*

Appendix 13

C.E. I Corps.  
No. 1482.

Controller of Mines,  
First Army.

Reference memo. No. A.M.1/276, from O.C.  
3rd Australian Tunnelling Coy., dated 25/11/17.

The Corps Commander does not approve of  
any scheme of tunnelling being undertaken at present,  
as all available labour is required for other work  
on defences.

*Handwritten signature*

Brigadier General,  
Chief Engineer, I Corps.

12/12/17.

*Handwritten initials in a circle*

*Handwritten date*  
4031/2.

*Handwritten initials*



A.M. 1/276.

Copy  
356  
Controller of Mines,

Advanced First Army/

Herewith a proposal for an Infantry and 60 c.m.,  
railway subway under HILL 70:-

- (a) First proposal marked A B C D E on plan.
- (b) Afterwards to extend if required from B to J and K and from D to G.
- (c) Eventually to connect with railway in "The Cutting" at point marked "F".

Reason for proposal - To provide a protected main line of communication through which troops ammunition etc., could pass to forward positions at any time.

Size of proposed tunnels 6'6" x (4'x 3') 3'6"

Ruling gradient 1 : 100 Average depth from 30 to 35 feet.

The tunnel A B C D E could be completed and available for traffic in eight weeks.

Practically the whole of the tunnel would be in hard chalk, so that with the exception of that required for the entrances little material would be necessary.

Labour required:-

Two sections of 3rd Australian Tunnelling Company plus labour Battalion of 600 for removing spoil, carrying parties etc.

Submitted for your consideration, please.

*Alex. Sanderson*  
Major,

25/11/17.

O.C., 3rd Australian Tunnelling Company.

Copy sent to C.E., 1st Corps.

*Memo. This tunnel since constructed by 3rd Aust. Tunnelling Coy. - It is named Hythe Tunnel*  
*Alex. Sanderson*  
*Major*  
*24/1/18.*



S E C R E T.

46th Division.

No. 246. (G.O.). 13th December, 1917.

Reference your G.4/11 of 10.12.17; approval is given for tunnellers of 3rd Australian Tunnelling Coy: to be employed on the Battalion Headquarters in GURZON STREET and the O.C. has been directed to communicate with G.O.C., 137th Infantry Brigade.

W. R. Candelero Meyer  
 for Brig: General,  
 General Staff, I Corps.

Copy to C.E.

W.B.

C.E.

Ref. attached  
 will you please  
 direct O.C. 8<sup>th</sup>  
 Australian C. to  
 place himself in  
 communication with  
 G.O.C. 137<sup>th</sup> Inf. Bde.

Copy of reply to  
 46<sup>th</sup> Div. is attached



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Appendix 15.

53.



O.C. 3rd Australian Tunnelling Coy.

R.A. 46th Division require certain improvements to an O.P. at 'K' dump off the Tunnel system.

2. Please see the Brigade Major, 46th Divisional Artillery, ascertain what is required, and arrange to put the work in hand, obtaining a spoils party from 46th Divisional Artillery.

*H. H. Heathcote*

Captain, R.E.

for C.E. I Corps.

13/11/17.

Copies to:-

R.A. I Corps.  
R.A. 46th Division.

*JMB*



Appendix 16

18th December, 1917.

Dear

*Sanderson*

Perhaps your officers and men would like to subscribe to St. Dunstan's Hostel, either from a Unit fund if you have one, or individually. The smallest sums will be acceptable.

I shall be glad to receive anything you may collect by the <sup>31<sup>st</sup></sup> ~~25<sup>th</sup>~~ instant.

Yours sincerely,

*Memo*

*£10 sent to Col. Mellor from Officers, P.C.O. and Sappers of 3rd Australian Tunnelling Coy. 20/12/17.*

Appendix 16

I Corps H.Q.

17th December, 1917.

Dear Mellor,

The Corps Commander wishes me to send you the attached copy of a letter received from Major General P.G. TWINING, C.M.G., M.V.O., D.A. & Q.M.G., First Army, with reference to the St. Dunstan's Hostel for Blind Soldiers and Sailors, Regents Park.

The Corps Commander has authorized me to give as big a donation as we can from our Corps Funds, which, unfortunately are not very large at present.

If you can see your way to making a donation from Canteen Funds or Cinema profits, or by raising subscriptions from Units, it is suggested that the amount collected, together with a list of units subscribing, be sent to Corps Headquarters not later than the 1st January, so that arrangement could be made for a cheque, for the whole amount subscribed by the Corps, to be sent to Sir Arthur PEARSON.

I am sure you will agree with the Corps Commander that there could scarcely be a more deserving charity, nor one which would appeal more to the men out here.

Yours sincerely,

Sd. N.G. Anderson.

Lt.Col. C.MELLOR, R.E.,  
C.R.E., I Corps Troops.

*NA*



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Dear General Holland,

You may have seen in First Army Orders the other day that we sent Two hundred pounds (£200) from our Army Canteen to the St. Dunstan's Hostel for Blind Soldiers and Sailors, Regents Park.

You probably know all about this Institution, founded and run by Sir Arthur Pearson, himself blind. He started many months ago now with six blind soldiers and some cobblers lasts. St. Dunstan's now has an average roll of 500 totally blind soldiers and sailors, the place covers a lot of ground, and it is altogether one of the most wonderful organizations in the world. I went over it when I was at home the other day. Sir Arthur Pearson gets hold of every one of our blind soldiers and sailors, teaches them in the first place that blindness is not an affliction, gives them a new interest in life, and teaches them any trade or business they want to learn, from playing a musical instrument to making the case for a piano which I saw being done. When they leave he sets them up with the instruments and tools of their trade and a supply of raw material, finds a suitable place for them to work at their trade, and thereafter never loses sight of them. During the time they are at St. Dunstan's they are fed, clothed, looked after and taught free, and Government does not help at all except to the extent of giving to Sir Arthur's Institution the equivalent to the cost of the man's keep in hospital for the time he is at the Hostel. I saw English soldiers and sailors, Canadians, Australians, New Zealanders and West Indians there all as happy as men can be, and working away at their trades or business with splendid courage and cheerfulness.

I am putting this before you as I know Sir Arthur Pearson is in need of all the help he can get - almost all his instructional help he gets free. You may think that you can spare something for his Hostel out of the Canteen or Cinema profits of your Corps and Divisions. There could scarcely be a better way of giving these as I am sure you would agree if you saw St. Dunstan's. I think anything from £5 to £500 would be acceptable. I have no mission from Sir Arthur Pearson to ask for money, but I know the fact that it is wanted, and thought you might perhaps like to know something of the Institution if you do not already know of it.

The address is :-

Blinded Soldiers' and Sailors' Hostel,  
St. Dunstan's,  
(Sir Arthur Pearson) Regents Park, N.W.1,  
G.B.E.) LONDON.

Money can be sent to :-

The St. Dunstan's Blinded Soldiers' and  
Sailors' Care Committee,  
St. John's Wood Branch,  
L. & S.W. Bank.

If you are sending anything, would you inform Sir Arthur Pearson himself at his address as above, and let him know the sources from which the money has been collected.

Yours sincerely,

Sd. P.G. Twining.

Lt.Gen. A.E.A. Holland, C.B., M.V.O.,  
G.O.C.,  
I Corps.

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Appendix 16

Dear Sanderson -  
 Many thanks to you & your Co. for the  
 273 fr. received on account of St. Dunstan's  
 Hotel. The foundation has collected close  
 £100 -

Yrs. sincerely  
 C. Mellor

O.C. 3rd. Australian Tunnelling Co.

31.12.17



Copy.

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Appendix 16 57

3rd AUSTRALIAN TUNNELLING COMPANY.

New Year Subscriptions for St. Dunstan's Hostel for Blind Soldiers and Sailors, Regents Park, London, N.W.1.

St Dunstan's has now an average roll of 500 totally blind soldiers and sailors. It is one of the most wonderful organisations in the world. Sir Arthur Pearson, himself blind, gets hold of every one of our blinded soldiers and sailors, gives them a new interest in life by teaching them any trade or business they want to learn. When they leave he sets them up with the instruments and tools of their trade and a supply of raw material, finds a suitable place for them to work at their trade and thereafter never loses sight of them. While at St. Dunstan's they are fed, clothed, looked after and taught free. At present the soldiers and sailors at St. Dunstan's comprise English, Canadians, Australians, New Zealanders and West Indians all working at learning their trades with splendid courage and cheerfulness.

It is proposed to send this fine institution a New Year's Donation for the purpose of buying tools, materials, musical instruments etc.

All those willing to subscribe please add their names and pay the amounts to Capt West or Sergeant Goodwin.

A. Sanderson  
Major,

30/12/17

O.C., 3rd Australian Tunnelling Company.

SUBSCRIPTION LIST.

Name	Frcs.	Name	Frcs.	Name	Frcs.	Name	Frcs.
OFFICERS							
H.C.O's							
SAILORS							

To Subscribed and sent  
to C.R.C. I Corps Troops  
to be forwarded with  
I Corps subscriptions

A. Sanderson  
31/12/17



A.M. 1/390.

General Staff,

11th Division/

In reply to your memo G.S.556 of 17/12/17.

The following work is in progress in 11th  
Divisional Area. (Includes that recently arranged for).

Locality.	Description of work.	Map Reference.	Spoil Party reqd.	Probable date of completion.
Nelson Trench	Dugout for platoon	N2a 35.85		20/12/17.
" "	Dugouts for two platoons.	H32c 65.40	45	28/12/17.
Nizam Trench	Repairs to T.M. Emplacement.	N2a 70.90		19/12/17.
"The Cutting"	Making Traverses in entrances to dugouts and fixing doors and loopholes.	H32d 10.60		20/12/17
Cobb Trench	Dugouts for two platoons and Coy.H.Q.	N2a 45.75		20/12/17.
	Repairing H.T.M. Emplacement and making chamber for personnel.	N7b 15.50		20/12/17.
Railway Alley	O.P. for Flash spotters.	G99c 15.65 (1st Corps Spoil Party)		26/12/17.
Colony Trench	Dugout for Tun- nellers	M12b 55.20	24	17/1/18.
Cosy Trench	Dugout for platoon	N2d 15.15	24	31/12/17.
Cowley Trench	Dugout for platoon	N8c 60.60	20	7/1/18.
Conductor Trench	Dugout for platoon	N8c 45.55	20	7/1/18.
Reserve Line	Dugout for platoon	N1b 85.55	24	7/1/18.
Reserve Line	Dugout & Machine Gun Emplacement.	N1b 85.50	12	7/1/18.

*Alex Sanderson*  
Major,

17/12/17.

O.C., 3rd Australian Tunnelling Company.

NB



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Appendix 18

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RIGHT SUBSECTOR.

- ✓ 1. ST. GEORGE'S TRENCH dugout, complete entrance and increase accommodation. ✓
- ✕ 2. Drying room near Power Station and dugouts for cooks near Cookhouse. ✓
- ✕ 3. Second entrance to Centre Company Headquarters. ✓
- ✕ ✓ 4. 4 Ammn. recesses 6' x 5' x 3'6" (for 139 T.M. Battery)
- ~~✕~~ 5. Open out T.M. Position in LANCER SAP " " "
- ~~6.~~ 6. Deep dugouts - Battalion Headquarters.
- ✕ ~~7.~~ 7. Dugout and M.G. Emplacement in FOSSE WAY.
- ~~8.~~ 8. Dugout for M.G. Team in TENTH AVENUE.

LEFT SUBSECTOR.

- [illegible]

— 000 —

Brig - General.

19/12/17.

Commanding 139th Infantry Brigade....

Copy to 3rd Australian Tunnelling Company.



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# APPENDIX

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Appendix 19

Reconnaissance of dugouts  
made by Lt Kennedy on  
17/12/17.

A





	LOCATION	Ref	No of Entrances	Head Cover	Accommodation		Remarks.	<u>A.</u>
					Sleeping	Standing		
N <sup>o</sup> 18.	Village Line, north of Dawson St.	A19D.68.11.	4	6'	20	60	Requires cleaning and part retimbering. Apparently just below H. water level. Flood marks on legs. There is an old hand pump & hose in D.O. showing requires pumping. This D.O. cannot be deepened. D.O. 5'x5' high	356
N <sup>o</sup> 19.	Village Line, South of Dawson St.	A20B.70.95	3	6'	24	60	Two dugouts 36' & 39' long, each 5' wide x 5' high. Entrances require cleaning. Timbering in good order. Lagged with Galv. Iron. Floor has been under water. Sunk bore in centre of southern dugout and struck water 6' from the floor, in marl. Cannot be deepened.	
N <sup>o</sup> 20. (MG DO V.56)	ditto.	A20B.80.80	2	7'	4	12	Machine gun dugout in good order. Cannot be deepened. On H.W.L.	
N <sup>o</sup> 21	ditto.	A20B.90.70	2	7'	4	10	Small dugout in good order. Cannot be deepened. On H.W.L.	
N <sup>o</sup> 22.	VILLAGE LINE near Jn with GLAGOW ROAD.	A20B.92.56	4	12'	30	70	Length of D.O. connecting entrances 88' 5' wide by 5' high. Minor repairs required to inclines & timbers. D.O. lagged with wire netting. Dugout between two southernmost entrances wet underfoot with water dripping from roof. Sunk bore in centre of D.O. and struck water at 5' rose to 3'4" from floor. Bore sunk in marl. Cannot be deepened on account of water.	
N <sup>o</sup> 23	ditto.	A20B.95.40	1	12'	-	-	Incline only - partly collapsed. D.O. (if any) quite collapsed.	
N <sup>o</sup> 6 & 7.	VILLAGE LINE near Jn with HERTFORD St.	A20B.99.30	8	15'	75	150	One long dugout 5' high 4'6" wide on the clear connecting entrances. Sides partly lagged with timber and partly with wire netting. In good order, at present occupied. Could deepen 3' only without danger of striking H. water level.	



Dug Out Number	LOCATION	Map Ref	No of Entrances	Head Cover	Accomodate		Remarks
					Sleep?	Stand?	
No number	VILLAGE LINE Mt HERTFORD St and MOUNTAIN LAKE		1	10'	-	-	Inclines only at intervals. No dugouts started. Could be deepened & <del>extended</del> opened up for dugouts <sup>15'</sup> cover obtainable.
do	ditto		1	10'	-	-	
do	ditto		1	5'	-	-	
do	ditto		1	5'	-	-	
No 24	VILLAGE LINE at Jn of MOUNTAIN LAKE	A21A.01.11 ✓	2	20'	30	70	One entrance in VILLAGE LINE and one in MOUNTAIN LAKE. Dugouts in good order.
No 4 (QUINCY)	VILLAGE LINE South of MOUNTAIN LAKE	✓	4	15'	28	60	3 dugouts 5' wide by 5' high 21', 24' & 36' long. in good order. Minor repairs to steps required & also to timber. <del>Could be deepened</del> 5' more head cover obtainable.
M.G. Dug Out V.L. 9. Empl.	VILLAGE LINE near BRADDELL POINT	✓	2	10'	7	14	Machine gun dugout. In use, and in good order. <del>Could be deepened to</del> 20' cover obtainable.
No 3 (QUINCY)	VILLAGE LINE at BRADDELL POINT	A21C 15.73 ✓	4	18'	80	150	4 dugouts. one, 32' x 8' wide by 6'6" high one 68' x 8' .. by 6'6" .. two 9' x 8' .. .. 6'6" All in good repair. Used as Battalion HQ.
No. Number (Marked R.S.M.)	✓ ditto	ditto	2	9'	3	10	In good order. Could be enlarged, or deepened. <del>to</del> 18'-20' cover obtainable here.

B.

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Appendix 19

Dug Out NUMBER	LOCATION	Map Ref.	No. of Entrances	Head Cover	Accommodation		Remarks.	C
					Sleeping	Standing		
N <sup>o</sup> 25	The Lane.	A21 C 10.62	2	7'	5	12	Machine Gun Dugout. In good order & 356 in use. <del>Could be deepened to 15' cover</del> available	
N <sup>o</sup> 24 (Curichy 2.)	Village Line South of the Lane.	A20 D 95.40	4	15'	26	60	3 dugouts 5' wide by 5' high. Dugouts 22'-36' x 22' long. In good order & <del>Could be deepened 18'-20 feet</del> cover available	
N <sup>o</sup> 23 (Curichy 1.)	Village Line <del>Between</del> between the Lane & Wilson's Way.	A20 D 90.30	4	17'	28	60	3 dugouts 5' wide by 5' high Dugouts 33'-36'-18' Sides require lagging. In good order <u>Tunk bore</u> 5'6" in floor of dugout between entrances A & B in good solid Chalk. No water struck. <del>Could be mined deeper to 20' cover</del> available	
N <sup>o</sup> 22 V 49.	Village Line near Wilson's Way Dogs Leg.	A20 D 90.20	2	12'	3	10	Machine gun Dugout in good order. <del>Could be deepened to 20' cover</del> available.	
No number	SHAW'S CUT. (50 yds from Junction of Wilson's Way and Wimpole St.	A20 D 80.30	2	14'	28	60	3 dugouts in good order. Entrances to inclines require strengthening Doubtful if this could be deepened without getting below H.W.L.	





Appendix 19

(2). Mined dugouts in Village Line as follows:-  
For two platoons near junction of WILSONS WAY with Village Line.  
For three platoons between BRADDELL POINT and HERTFORD STREET.  
For two platoons between HERTFORD STREET and DAWSON STREET. Each platoon's strength one officer and 35 other ranks.

The above dugouts might be in extension of existing dugouts, or the latter if repaired might be accepted in part reduction of our requirements.

I have made a preliminary reconnaissance with an officer of 170 Tunnelling Co. R.E. and the general conclusions we arrived at were:-

(a) Tunnels of sufficient depth can be mined between BRADDELL POINT and GLASGOW ROAD, but North and South of this area there may be water difficulties which can only be determined by boring.

(b) The existing dugouts with a few exceptions are not sufficiently deep and all except the Battalion Headquarters at BRADDELL POINT & WOBURN ABBEY require re-timbering.

C.R.E.  
42' 8" 2'



65

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Appendix 19.

No:	LOCATION	ACCOMMODATION		APPROXIMATE DEPTH OF HEAD COVER	REMARKS.
		SLEEPING	STANDING		
R.23	THE WALK	3 <del>X</del>	8	12 feet	
D.O.101		5 ✓	12	12 "	
D.O.3	CHEYNE WALK	5 ✓	10	10 "	2 entrances, M.G.Dugout.
V.L.9		5 ✓	12	10 "	4 entrances.
D.O.4		28 ✓	60	15 "	2 "
D.O.24		30 ✓	70	20 "	
D.O.6 & 7		75 ✓	150	15 "	8 entrances, good. Sides not cased and collapsing in places. Wants cleaning
D.O.22		30 ✓	70	12 "	2 entrances.
D.O.23				12 "	1 entrance. Shaft & Gallery collapsed.
D.O.21.		4 ✓	10	16 "	2 entrances. In good condition.
R.58.					
R.59.					
R.60.					
R.61.					



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Appendix 20

SECRET  
\*\*\*\*\*

O.C.

No. 600/6/2/G.

3rd Australian Tunnelling Coy  
M.E.

This Office Memo. No. 600/6/1/G of 19/12/17 is cancelled, also para. 2 of No. G.951/1 of 12/12/17 (issued only to 7th & 8th Battalions S.F.) referring to action of 3rd Australian Tunnelling Company R.E., in case of attack and the following substituted :-

- "In case of attack, O.C. Reserve Company of Left Battalion
- "in the line, will at once notify O.C. No. 4 Section
- "3rd. Aus. T. Company, who will arrange for all Tunnelling
- "personnel to collect at entrance to Tunnel in O.B.2.
- "The Tunnelling Officer as soon as aware of attack will
- "report to O.C. Reserve Company of Left Battalion in the
- "line (at junction of STANSFIELD ROAD and O.B.2) and (O.B.1.)
- "arrange with him for disposal of such personnel where
- "most suitable for defence of the Reserve Line"

It is notified that Tunnelling personnel in Right Battalion area come under orders of Left Battalion of 137th Infantry Brigade, in case of attack.

M.W. [Signature]

Captain.

Staff Captain, 139th Inf. Bde.

23/12/17.

V.N.B.



9th. Canadian Inf. Bde.  
G.39/12/1.

58th. Canadian Bn.  
3rd. Australian Tunnelling Coy. (for information)  
-----

Reference 9th. Cdn. Inf. Bde. G.39/12 dated 22.12.17.

1. The following additional Working Parties will be furnished by the Battalion in Brigade Support daily, commencing with shift reporting at 9.45.p.m., December 23rd:-  
"A" Party. - 3 N.C.Os. and 42 O.Rs. which will be divided into 3 shifts of 1 N.C.O. and 14 O.Rs. reporting as follows - at 5.45.a.m.- 1.45.p.m.- 9.45.p.m.  
"B" Party. - 3 N.C.Os. and 36 O.Rs. which will be divided into 3 shifts of 1 N.C.O. and 12 O.Rs. reporting as follows - at 5.45.a.m.- 1.45.p.m.- 9.45.p.m.  
"C" Party. - 3 N.C.Os. and 24 O.Rs. which will be divided into 3 shifts of 1 N.C.O. and 8 O.Rs. reporting as follows - at 5.45.a.m.- 1.45.p.m.- 9.45.p.m.
2. All the above parties will be for work with the 3rd. Australian Tunnelling Company.
3. RENDEZVOUS. For all above parties at times mentioned will be 3rd. Australian Tunnelling Company Hqrs. at Billet No.16. on LENS-BETHUNE Road (M.12.b.50.30.)
4. The N.C.O. in charge of each shift of each party will always carry with him to his work a chit showing to which party he belongs - "A", "B" or "C" and hand same to 3rd. Australian Tunnelling Company when reporting with his shift.
5. The N.C.O. in charge of each shift will always report when going off work at the 3rd. A.T.C. Hqrs. Billet No. 16.
6. Rendezvous mentioned in para.3 should be reconnoitred by guide or guides from Support Battalion beforehand in order that there may be no chance of parties going astray.
7. Parties above detailed must be up to full strength, but if for some <sup>reason</sup> any party is to be short the fact must be reported to Brigade as soon as possible.

ACKNOWLEDGE.

December 23rd.1917.

*R. L. May*  
Capt.  
Brigade Major,  
9th. Canadian Inf. Bde.



D. E. 3<sup>rd</sup> Aust. T. Coy. Appendix

15  
25 Will you please  
send an officer to  
inspect this farm, if  
it is suitable arrange  
to convey it to this area  
by rail.

25-12-17.

So R.

$\frac{1}{2}CE$

## APPENDIX

68  
22

C.E. Third Army No. W.S. 39/1665.

\*\*\*\*\*

Engineer-in-Chief,  
G.H.Q.



ENGINEER-TOWN  
G. H. C.  
R. E. 9165  
6489.

Reference your R.E. 9165/6393 of 16-12-17; one Sirroco Fan and Engine can be spared for C.E., First Army. The Fan and Engine are at 352 E & M. Coy's shops at ARRAS, and the Company have been warned to have them ready for issue to C.E., First Army on application.

19-12-17.

(Sd) C. Du Cane,  
Major, R.E.  
for C.E., Third Army.

Chief Engineer,  
First Army.

The above copy of memo. W.S. 39/1665 dated 19/12/17 from C.E., Third Army, is forwarded for information and necessary action reference your 2205/96 dated 16/12/17.

G.H.Q.,  
21/12/17.

for Engineer-in-Chief.

C. 6 1 Corps

Three

Cm.

Seen  
1/3/17

Resting

2/20/1900

not Any

For necessary action

1/4 wheathy

Capistrano



358. C. 3<sup>rd</sup> Australian Tunnelling Coy.

I have inspected the fan & engine at 352. E.M.C. at Anas-to-day.

The Fan. Single Inlet 24" dia. Impeller 24"

Outlet 15½" x 19½"

Make. Starvacant.

Floor Space. 4'6" x 3' 4' high.

Pulley. 12" dia. x 6"

Weight. About 10 cwt.

The Engine.

Coventry Simplex. 4 cylinders. Petrol.

12-16 H.P.

Revolutions. About 1000.

Pulley. 10½" diam. x 6"

Weight. About 25 cwt.

Floor Space. 3'6" x 2'6"

Recently overhauled.

The whole, including the belt will be available for this Company on or after 28 inst. The readiest & safest method of transport would be by lorry.

Address of E & M Coy. is 94 Rue Faidherbe.

A. J. Hillman. Capt.

26-12-17.





*Appendix 24.*

S E C R E T.  
=====

G.148/2.  
-----

I Corps.  
-----

With reference to 46th Division G.148/1 of 21/12/17,  
please add to the list dug-out for machine gun emplacement  
at G.17.b.6.8 as the last item on the Right Sub-Section.

30th December, 1917.

*H. M. Campbell*  
Brigadier-General,  
Commanding 46th Division....

Copy to : -  
3rd Australian Tunnelling Co. ✓  
139th Infantry Brigade.

*VMB*



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APPENDIX

25<sup>71</sup>

*Appendix 25*

3rd Canadian Divisional Artillery

G. 650/5-2

Dec. 31-1917.

✓ O.C., 3rd Australian Tunnelling Company.  
-----

Herewith plan showing approximate arrangement of proposed new O.P. HILL 70 (H. 32.c. 05.75).

When this work is done, will you kindly advise this office so that we communicate with the Corps Camouflage Officer, who will then arrange for the installing of a periscope.

*H. Macdonnell*

Captain, C.F.A.  
Brigade Major, R.A.  
3rd Canadian Division.

M.



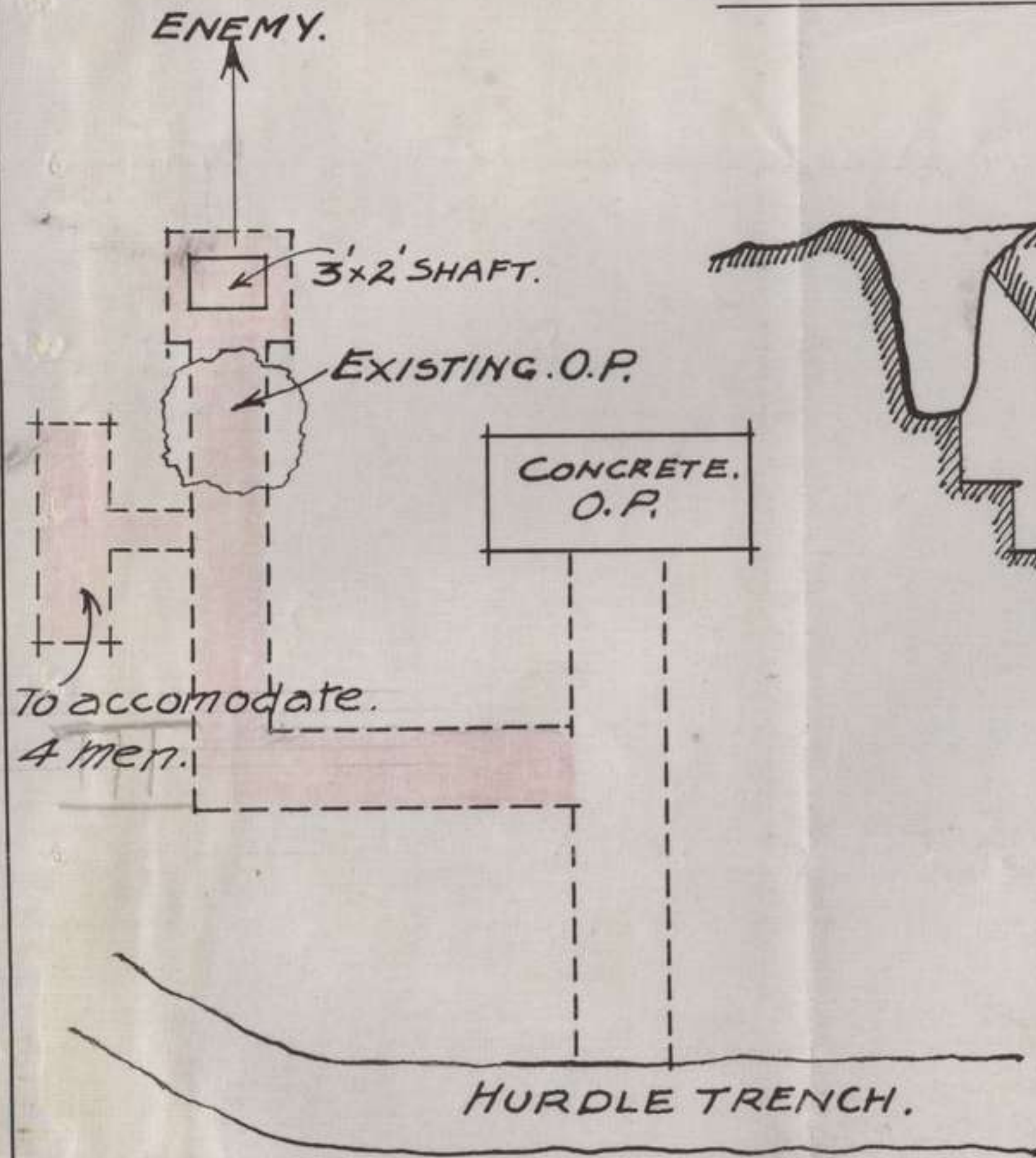
EXCAVATION for O.P.

— AT. —

H. 32. C. 05. 75.

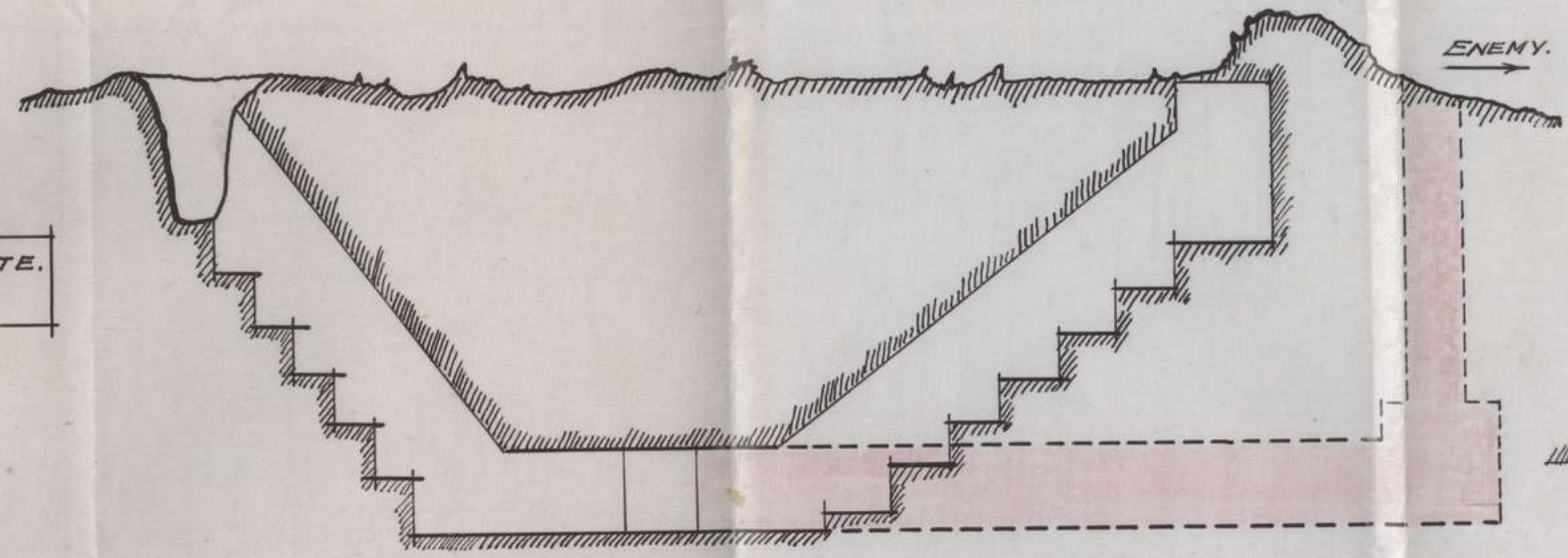
HILL. 70.

SPECIAL WORKS PASS, R. E.
No. _____
Date _____



PLAN.

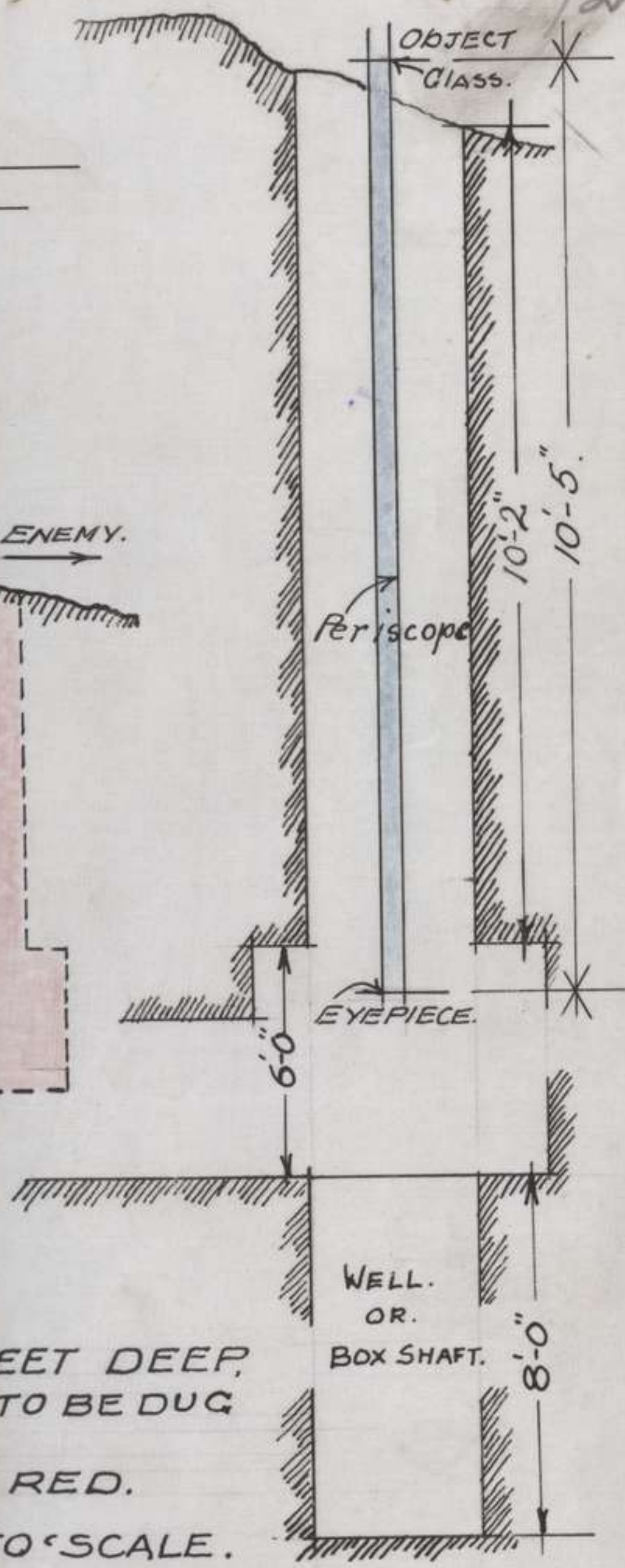
for 3<sup>rd</sup> Australian Tunnelling Coy.



SECTION.

NOTE:- IF SHAFT IS NOT 20 FEET DEEP,  
A WELL 8 FEET DEEP, TO BE DUG  
UNDER SHAFT.  
NEW WORK COLOURED RED.

THIS DRAWING IS NOT TO SCALE.





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73

I-of-1.  
3200

Controller of Mines,  
First Army.

In reference to results of trial bores for dugouts etc. in your Army area, will you please forward to me every week, at the same time as you send your Mine Reports, any information on this subject sent you by Companies, so that it may be tabulated in my records.

The information should be sent in the following form:-

Number of bore on your list.	Map Reference	B O R E S			Object	Remarks.
		Thickness	Nature	Wet, moist or dry.		
x. 140	Sheet 80. U.12.d.8.8.	3'0"	Brown loam	Dry	Dugout for Battal- ion H.Q.	Fair. Not run- ning sand contains only small amount of water. Dug- out possi- ble.
		3'0"	Grey sand			
			somewhat clayey.	Moist		
		1'0" 28'0"	Grey sand. Tough blue clay.	Wet Dry.		

G.O.C.,  
5/12/17.

Sd/S.S. Harvey,  
Brigadier General, Inspector of Mines.

G.O.C., 3rd Aust Coy., R.E.

G.O.C. / 2841 / R.  
First Army.

For information and necessary action, should any useful data be obtained.

5/12/17.

R Stokes  
Lt.-Col. R.E.,  
Controller of Mines,  
First Army.



Cont

are  
your  
that

Must  
bore  
your  
x.

AP

8.8.  
8/13

8.8.

8/13



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Appendix 27

FIRST AUSTRALIAN AND NEW ZEALAND ARMY CORPS.CHIEF  
ENGINEER,  
1st ANZAC.

Headquarters,

8th. December, 1917.

2147260

O.C. 3rd. Australian Tunnelling Coy.

2/Lieut. E.P. HORNE reported here on 5/12/1917, and has been temporarily allotted for duty with Corps Water Supply Officer, 1st. Anzac, until such time as he is specially needed by the 3rd. Australian Tunnelling Company, to which Unit he has been posted as a reinforcement officer. He is employed with the Tunnelling Company Reinforcements now engaged on water supply work.

WE/

*Johns. Burnell* Captain, A.E.  
for Chief Engineer, 1st. ANZAC.



AUSTRALIAN GENERAL BASE DEPOT.

O. C. 356  
3rd Australian Tunnelling Coy.

Appendix 28

75

AUSTRALIAN GENERAL BASE DEPOT.
No. 9100/27
Date

Re your AM 1/395 of 18-12-17 - return of Sapper  
Proctor H.R.

Prior to my taking over command of this Depot, this man  
made application for transfer to Dental Corps, and his application is  
being considered by the D.M.S. A.I.F.

*E. J. Milson*  
Lieut-Colonel,  
Commandant Australian General Base Depot.

Rouilles,  
December 24th. 1917.





Appendix 29.

Headquarters I Corps No.A.56/178.

C.R.E., Corps Troops No.103/7.

URGENT.

O.C. 31st (A.T.) Company, R.E.  
 O.C. 560th (Hants) A.T. Coy, R.E.  
 O.C. 170th Tunnelling Coy. R.E.  
 O.C. 3rd Australian (T) Coy. A.E.  
 O.C. 331st Road Construction Coy, R.E.

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

Please forward to this office, as soon as possible, and not later than the evening of 23rd inst, the names of any officers and other ranks who have been awarded decorations as "Immediate Rewards" but who have not yet been presented with ribbons on parade. The list should show the decoration awarded and be accompanied by a description of the action for which the decoration was granted.

The officers and other ranks concerned should be held in readiness to attend a parade which will be held on Wednesday, 26th instant. Further particulars will be issued in due course. Any alterations to the lists submitted should be immediately notified to this office.

*for 23rd inst*

21st December, 1917.

*S. Morgan*

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



## 3rd Canadian Division

G. 606

7th Canadian Inf. Bde.  
 3rd Australian Tunnelling Coy. )  
 A. & Q. ) for  
 8th Canadian Inf. Bde. ) information.  
 9th Canadian Inf. Bde. )

-----

1. The 7th Canadian Inf. Bde. will detail one officer and 60 other ranks for work under the 3rd Australian Tunnelling Company on HILL 70.

This party will work permanently for the Tunnelling Company until further orders, and will be accommodated and rationed by them.

2. This will not release the men of the 8th and 9th Canadian Inf. Bdes. who are at present working for the 3rd Australian Tunnelling Company.

The party will report to the officer commanding 3rd Australian Tunnelling Company at G.36.d.4.6. at 2.00 p.m. on the 29th instant.

Twenty-four hours' rations will be carried.

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

26:12:17.

Capt. West-

Please instruct P.C. No 3 Section to arrange for billeting these men in cellars near Loos Hqs. They will work six days in, <sup>the line</sup> and two days out. 15 Men will come out to Coy. Hqs on 31/12/17, 15 on 2/1/18, 15 on 4/1/18 and so on. Until the other two detachments of one officer and 60 O.R.s arrive the officer in charge of this detachment will do three days duty in the line and then come out to Coy. Hqs for three days.

P.T.O.



Altogether accomodation for ~~one~~ officer  
and 150 <sup>Other</sup> ranks will have to be found  
in Loos and accomodation for

3 Officers and 50 O.R.s at Coy. Hqs.

The 2<sup>nd</sup> and 3<sup>rd</sup> detachments will arrive  
about the 5<sup>th</sup> or 6<sup>th</sup> of January—

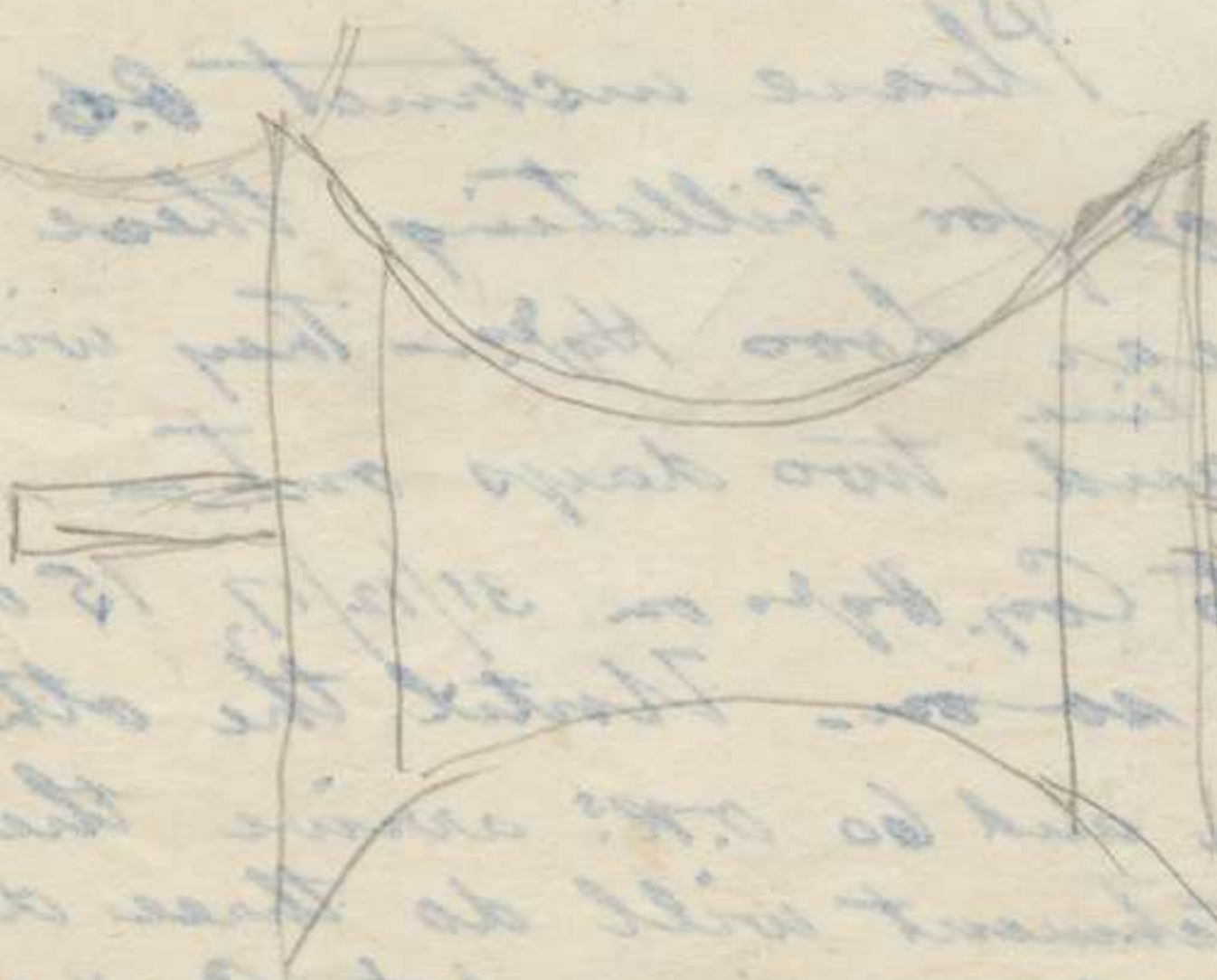
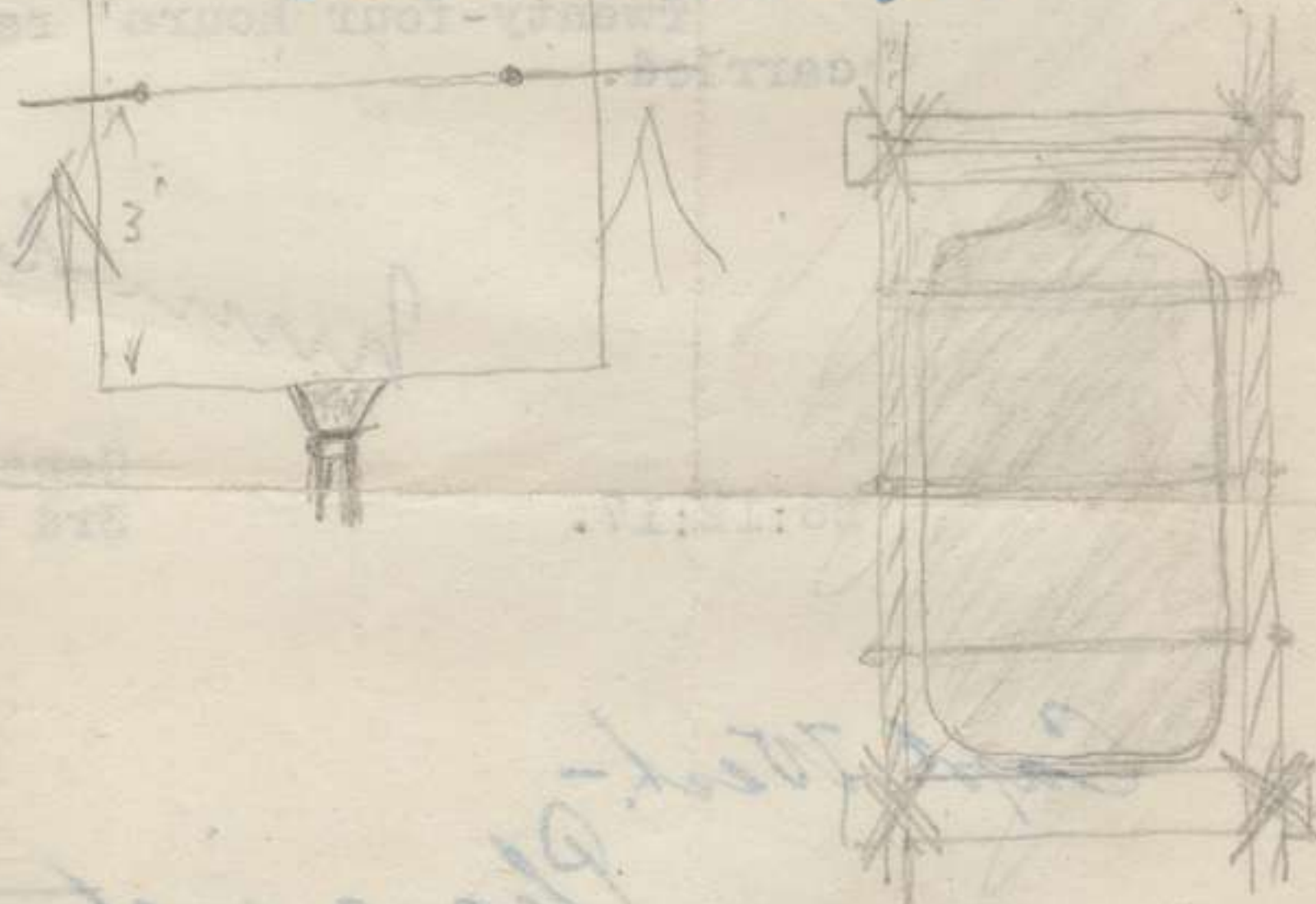
Please arrange in regard to  
rationing the party which will  
report on 29/12/17.—

Also please arrange to billet at  
Coy. Hqs. 1 Officer & 15 O.R.s from the  
31<sup>st</sup> inst.—

Pass to Capt. Morris to note, please  
and return.

23/12/17.

Alex. Sanderson  
Major





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The O.C.,

No. 3 Section/

The action to be taken in the event of a  
 (9th Canadian Inf. Bde Area)  
 hostile attack in your sector will be as follows:-

Extract from  
 9th Canadian Inf. Bde  
 Defence Scheme.

The Officer in charge of the Section  
 will report at once with his sappers  
 and spoils parties to nearest Company  
 Commander to the work.

Please note and return.

*Alex. Sanderson*  
 Major,

27/12/17.

O.C., 3rd Australian Tunnelling Company.

J.W.B.  
 28/12/17

AN

"

IN



32

APPENDIX

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PW.

ADMINISTRATIVE HEADQUARTERS,

## AUSTRALIAN IMPERIAL FORCE,

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

Appendix 32

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.

93405

31st December, 1917.

C.O.  
3rd Tunn. Coy. A.I.F.  
B.E.F. France.

5989 SPR. GLEESON, T.

The above named soldier of your Command was paraded  
before Major C. H. Howard, O.C. Australian Troops in  
London on the 29th inst., for A.W.L. from 7.30 a.m. on  
20.11.17 until 26.12.17, and was remanded for D.C.M.

*C. H. Howard*  
Colonel.  
COMMANDANT.

✓

956



358

mm417

Appendix 33  
Copy No .. 80

# LEFT BRIGADE

## INSTRUCTIONS IN CASE OF AN ENEMY RETIREMENT.

\*\*\*\*\*

Reference Maps HILL 70 1/10,000..  
36c.N.W.3 1/10,000.

Page 4

3rd. December 1917.

1. The enemy may be forced to retire from his present position by offensive action, in the neighbourhood of LENS, or elsewhere, or he may withdraw voluntarily.  
In either case, the line to which he would probably withdraw in the first place may be taken to be:-

VITRY-EN-ARTOIS -- BROUCOURT -- MONTIGNY -- HARNES --  
ANNAY -- WENDIN-LE-VIEUX -- HAISNES -- AUJHY or HAISNES-LA  
BASSEE.

Troops in the line will be on the alert to notice any sign of hostile withdrawal. They will be constantly prepared to follow up any withdrawal immediately by advanced guards preceded by patrols.

### 2. BOUNDARIES:

- Forward boundaries for the advance of the Left Brigade are
- (a) HYMAN TRENCH (inclusive) on the South.
  - (b) HOBBS ALLEY - H.20.d.8.9. - H.21.a.4.5. - HIVE ALLEY (all inclusive) on the north.

Inter Battalion boundary will be as under:-  
HEAVEN TRENCH to its junction with HERCULES; thence road running from H.32.b.70.67. to Road junction H.27.d.15.60; and continuing along HARRY road to H.22.d.0.0. (all inclusive to Right Battalion).

### 3. PRINCIPLES ON WHICH ADVANCE WILL BE CARRIED OUT:

The advance will be by bounds.

Each successive objective will be secured by consolidating tactical points while strong patrols are pushed forward to the next objectives and Artillery is brought up if necessary to cover the further advance.

Patrols so pushed forward must be fighting patrols, not less than a platoon strong with a Lewis Gun. The fact that fire is opened on the patrols does not necessarily imply that the position is strongly held. The strength of all such positions must be tested immediately, and encircling tactics developed against them.

Stokes Mortars, with not less than 30 rounds a gun, must be got forward at once. These weapons have been found invaluable during semi-open warfare against hostile strong points, machine guns etc. Arrangements must, therefore, be thought out before the advance takes place for pushing forward these guns at all costs.

Lateral communication between patrols and between supporting units is all-important, and touch must be established before proceeding to the next bound.

Similarly Head Quarters of Battalions must keep in touch with those on their right and left, and all units must be prepared to form a defensive flank should their neighbouring units be held up and unable to advance abreast of them.

/4.....



4. BOUNDS.

The first bound of the Left Brigade will be:-

H.33.c.55.38.  
Water Tower H.33.a.6.1.  
H.33.a.00.85.  
H.26.b.5.3.  
H.26.a.85.70.

The second bound will be to the line:-

FOSSE 8 (on centre brigade front).  
BOIS DES DAMES.

5. ADVANCE OF LEADING BATTALIONS OF LEFT BRIGADE:

- (a) The advance of the Brigade will be on a two Battalion front, each Battalion will advance on a two company front with two companies in support. The roll of the companies in support will be to counter-attack in support of leading companies, or, to form a defensive flank in the event of neighbouring units being held up.
- (b) Battalions in the front line on learning that the enemy has evacuated his front line will at once occupy and consolidate it. At the same time they will push forward strong patrols consisting of 1 platoon each with Lewis guns up to the line of the first bound as laid down in para 4.  
As soon as this line is reached posts will be established in it.  
No further advance will take place until touch is gained with flank battalions except by reconnoitring patrols.
- (c) As soon as touch is gained fighting patrols of not less than 1 platoon with L.G. will push forward to the trench line HAMILTON TRENCH - FOUR TRENCH - H.21.a.4.3.  
When this line is gained leading Battalions will occupy it and fighting patrols will go forward to the line:-  
Eastern Edge of BOIS DES DAMES - X ROADS at H.34.b.3.8.  
On gaining this line, posts will be established at approximately the following places:-  
Right Battalion.
1. HUMAN TRENCH near X roads at H.34.b.3.8.
  2. X Roads at H.34.a.85.95.
  3. HENRY ROAD about H.28.c.0.5.
- Combined post.
- Junction of HUBBARD ALLEY with HARRY ROAD.
- Left Battalion.
1. H T ROAD about H.21.d.7.0.
  2. HARPOON ALLEY about H.21.d.8.5.
  3. Eastern edge of BOIS DES DAMES (2 posts).
- (d) No further advance will take place without orders from Brigade Head Quarters.  
Reconnoitring patrols will be sent forward, however, to gain touch with the enemy.

/ e.....



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(3)

- (e) Throughout the advance it is essential that all information, negative and positive, be transmitted back by the quickest available means.  
Signallers should be detailed to accompany patrols.

#### 6. Support Battalion.

As soon as our present front line is cleared by the leading Battalions, it will be occupied by the Support Battalion.

The latter will carry out, any further advance under orders from Brigade Head Quarters.

Its role will be to support the leading Battalions by counter-attack, or, to form a defensive flank in the event of neighbouring Brigades being held up.

The Support Battalion will maintain close touch with leading Battalions, and will detail a liaison officer to accompany each.

#### 7. Head Quarters.

Forward moves of Head Quarters will take place as under, as soon as the objectives of the 1st. Bound are taken and consolidated.

Brigade Head Quarters to present Left Battalion H.Q.

Right Battalion H.Q. to present Right Coy. H.Q. in QUARRY  
H.32.d.12.60.

Left Battalion H.Q. to present Centre Coy. H.Q. at  
H.26.c.30.25.

#### 8. Reserve Battalion.

The Battalion in Brigade Reserve at MAZINGARBE will be prepared to move on receipt of orders from Brigade Head Quarters, to positions at present occupied by the Support Battalion in O.G.L. and Reserve Line.

#### 9. Machine Guns.

O.C. Machine Gun Company will select positions for 8 guns from which a protective barrage can be formed to cover the objectives of the 1st. Bound.

As soon as the Infantry have reached the objectives of the 2nd. Bound the barrage guns will be moved forward to cover these objectives.

2 guns will be attached to each Leading Battalion.

4 guns will be in reserve at present M.G. positions in LOOS TRENCH where M.G. Company H.Q. will be established.

#### 10. Stokes Mortars.

1 Section L.T.M. Battery will be attached to each leading Battalion. 30 rounds of ammunition will be taken forward for each gun, necessary carrying parties being provided by battalions to whom guns are attached.

The above guns will be found from those at present in action in the front line system. The 3 guns of the L.T.M. Battery at present at MAZINGARBE, will move under orders from Brigade Head Quarters to H.Q. L.T.M. Battery and will be in Reserve, together with 1 gun now in action in HULL ALLEY which will remain in its present position.

#### 11. Artillery.

During the advance the Left Brigade will continue to be covered by the Left Group, C.D.A. Batteries of this group will move forward, 2 batteries at a time, to positions from which, an advance beyond the objective of the 2nd. Bound, can be covered.

/12.....



# 83. APPENDIX 33<sup>(4)</sup>

## 12. Contact Aeroplanes.

Contact Aeroplanes will call for flares by sounding KLAXON HORNS and firing White Very Lights.

Ground Flares will at once be lit by the most forward troops only.

A supply of flares for this purpose will be kept at Brigade and Battalion Head Quarters.

## 13. Enemy Traps.

(a) A party of 1 officer and 12 O.R. from the 3rd Australian Tunnelling Company will be attached to the Left Brigade for the purpose of examining roads, bridges, dugouts etc.

Officer i/c this party will report at Brigade Head Quarters for instructions.

The Support Battalion will detail 2 N.C.O's and 40 O.R. for work with the Tunnelling Company. This party will assemble at Support Battalion Head Quarters in readiness to move forward on receipt of orders from Brigade Head Quarters. /TOSH ALLEY

(b) The party will wear a distinguishing badge, consisting of a strip of RED cloth, one inch wide and extending the length of the sleeve, on both arms.

The following marks will be used :-

(Green Chalk) ..... Examined  
..... Coy., R.E.

Considered  
safe

(White tin sign).....Considered Safe.

(Red Chalk).....Dangerous.

Roads will be marked as follows :-

DANGER

When road has  
not been examined  
or is found mined.

SAFE

When road has  
been inspected  
and found fit  
for traffic.

## 14. Signal Communication.

(a) Buried Cable.

Cable Heads are situated as follows:-

Left Battn. H.26.c.28.20.

Right Battn. H.32.c.70.60.

(b) Visual.

A Brigade visual station will be established in HYTHE ALLEY at H.32.c.70.60.

Leading Battalions will establish visual communication with this station.

## 15. Water Supply.

(a) Until the existing pipe lines are extended, sources of water supply will be as at present.

it will be necessary to carry water forward in petrol tins making use of pack transport if possible.

/ (b).....



(5)

- 356
- 15.(L) The location of all wells or other sources of supply which may be discovered during the advance will be at once reported to Brigade Head Quarters.

*R. H. K. v. d. L.*

Captain.

Brigade Major.

32nd. Infantry Brigade.

Issued at:-

*H. 30 pm.*

Copies to:-

1. 9th. West Yorkshire Regt.
2. 6th. Yorkshire Regt.
3. 8th. West Riding Regt.
4. 6th. York & Lancaster Regt.
5. 32nd. Machine Gun Company.
6. 32nd. L.T.V. Battery.
7. 11th. Division G.
8. 33rd. Infantry Brigade.
9. 34th. Infantry Brigade.
10. 137th. Infantry Brigade.
11. 67th. Field Company R.E.
12. 3rd. Australian Tunnelling Company. ✓
13. Left Group, 1st. C.D.A.
14. Staff Captain.
15. O.C. Brigade Signals.
16. War Diary.
17. " "



Inspector of Mines  
G.H.Q.

Does the  
3<sup>rd</sup> Australian T. Coy.  
now adopt the new  
Highs Establishment  
for Tunneling Coy. please?

20/11/17

R.H.K.  
M.H.K.  
Controller of Mines



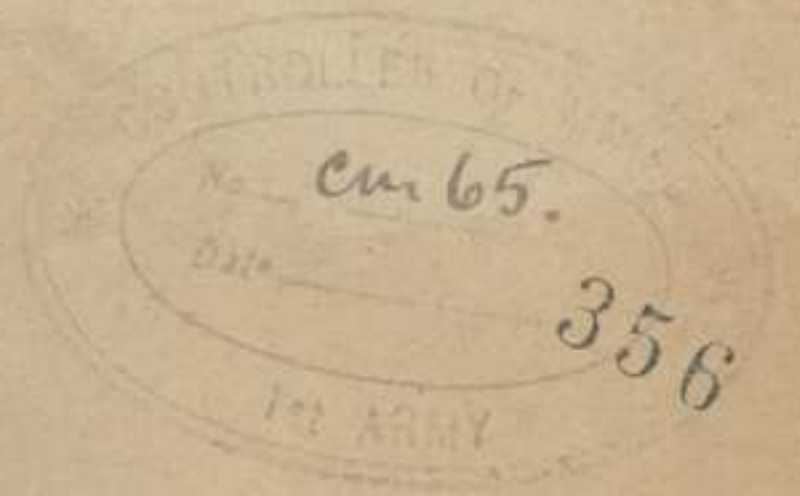
Lt. Col. First Army

Yes.

R.H.K.

G.H.Q.

89  
J. H. M.



O.C.  
3<sup>rd</sup> Australian T. Coy.

For information

R.H.K.  
M.H.K.  
Controller of Mines

23/11/17

APPENDIX

34  
89



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35

3rd Aust Tunnelling Coy

## HEADQUARTERS, AUSTRALIAN IMPERIAL FORCE.

FRANCE 25th DECEMBER 1917.

On the occasion of our fourth Christmas on active service, I send my heartiest greeting to all members of the A.I.F. Another strenuous year is drawing to a close—a year in which the magnificent traditions of the A.I.F. have been fully upheld by the loyal and gallant service of one and all. During this period, Bapaume—Bullecourt, Messines and Ypres have been added to the splendid list of honours, which begins with the landing at Gallipoli—Lone Pine—and later Pozieres—names which are indelibly recorded in the History of Australia, and which will never be forgotten.

At this season of the year, our thoughts go out especially to those who have fallen, and those now in hospital as a result of sickness and wounds. The memory of our gallant comrades who have made the supreme sacrifice can but strengthen our determination to achieve complete victory over our enemies in this struggle for the preservation of right, and the establishment of a peace under conditions which will permanently safeguard the freedom of the world.

I know that all in France will join with me in sending best wishes to our comrades in hospital for their rapid and complete recovery.

W. R. BIRDWOOD.

A.I.F. P.S.—389—M—12.17

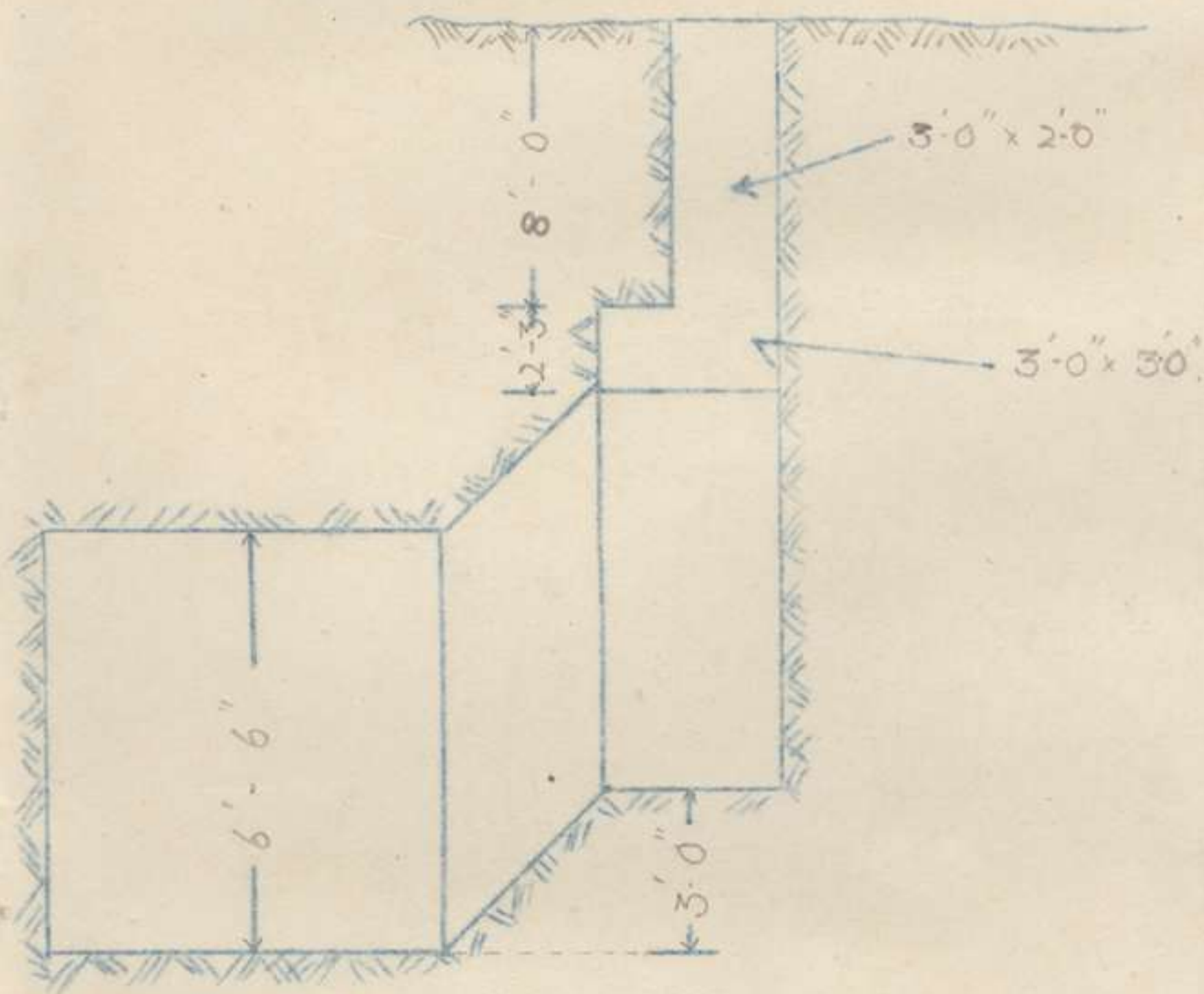
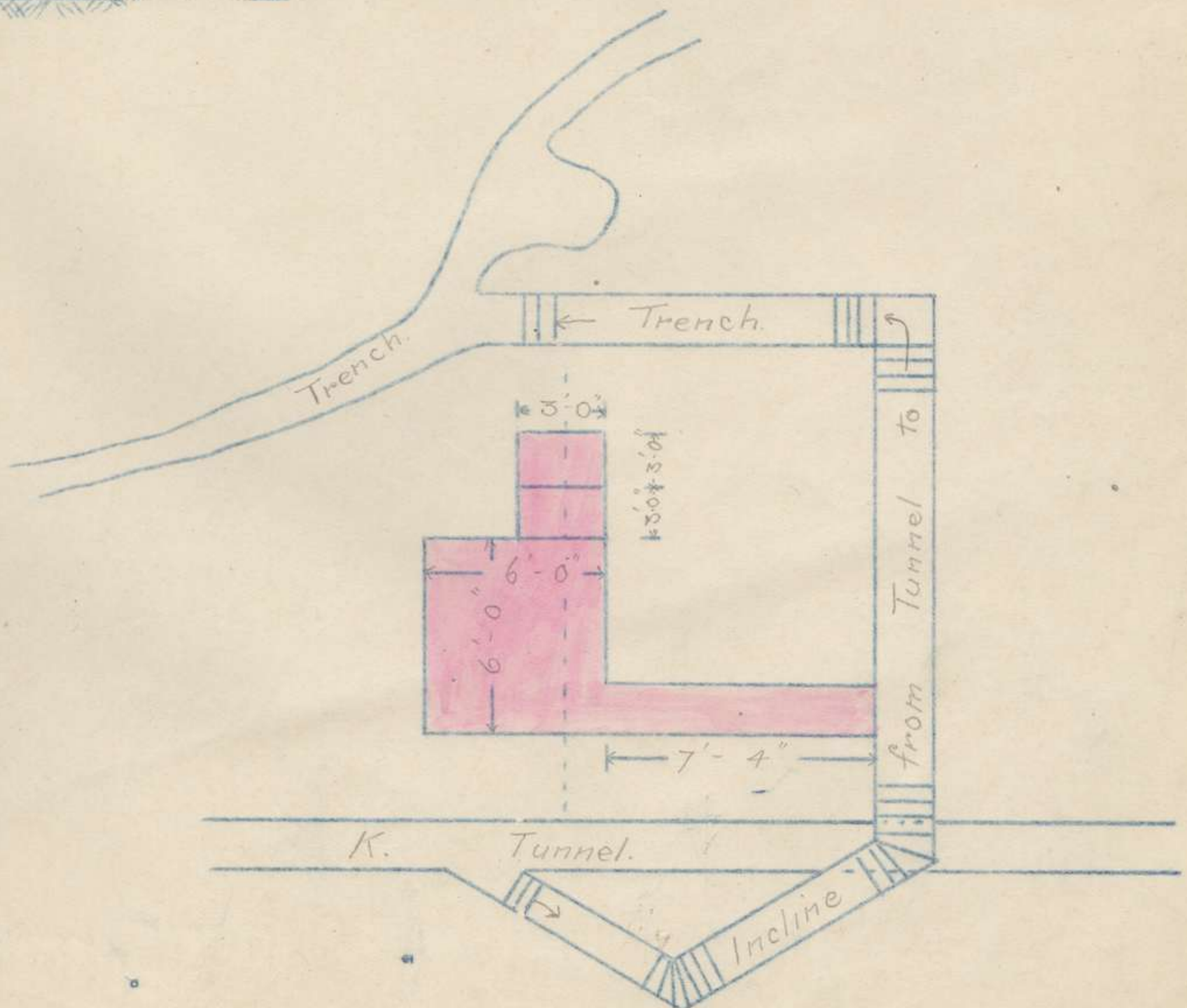


3<sup>rd</sup> Australian Tunnelling Coy.

K Shaft O.P.

Sheet 44<sup>A</sup>

Ref. Grid. 43.55.

Sketch "A"



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3<sup>rd</sup> Australian Tunnelling Coy

Cover: 4'-0"

Sketch "B"



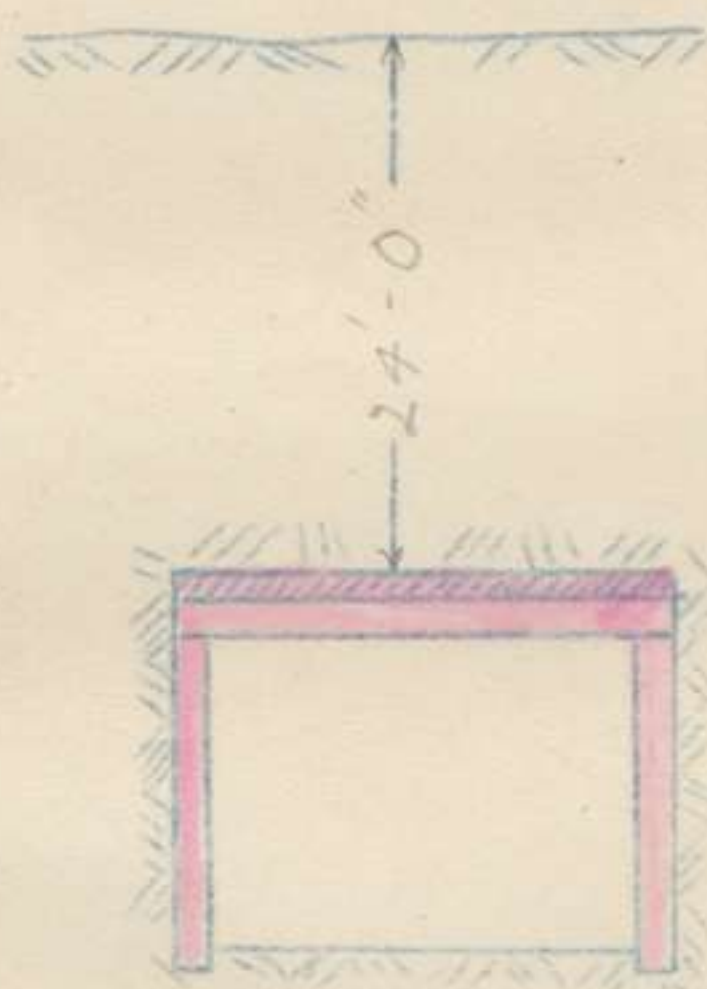
3<sup>rd</sup> Australian Tunnelling Coy.

Contract Trench Dug-out.

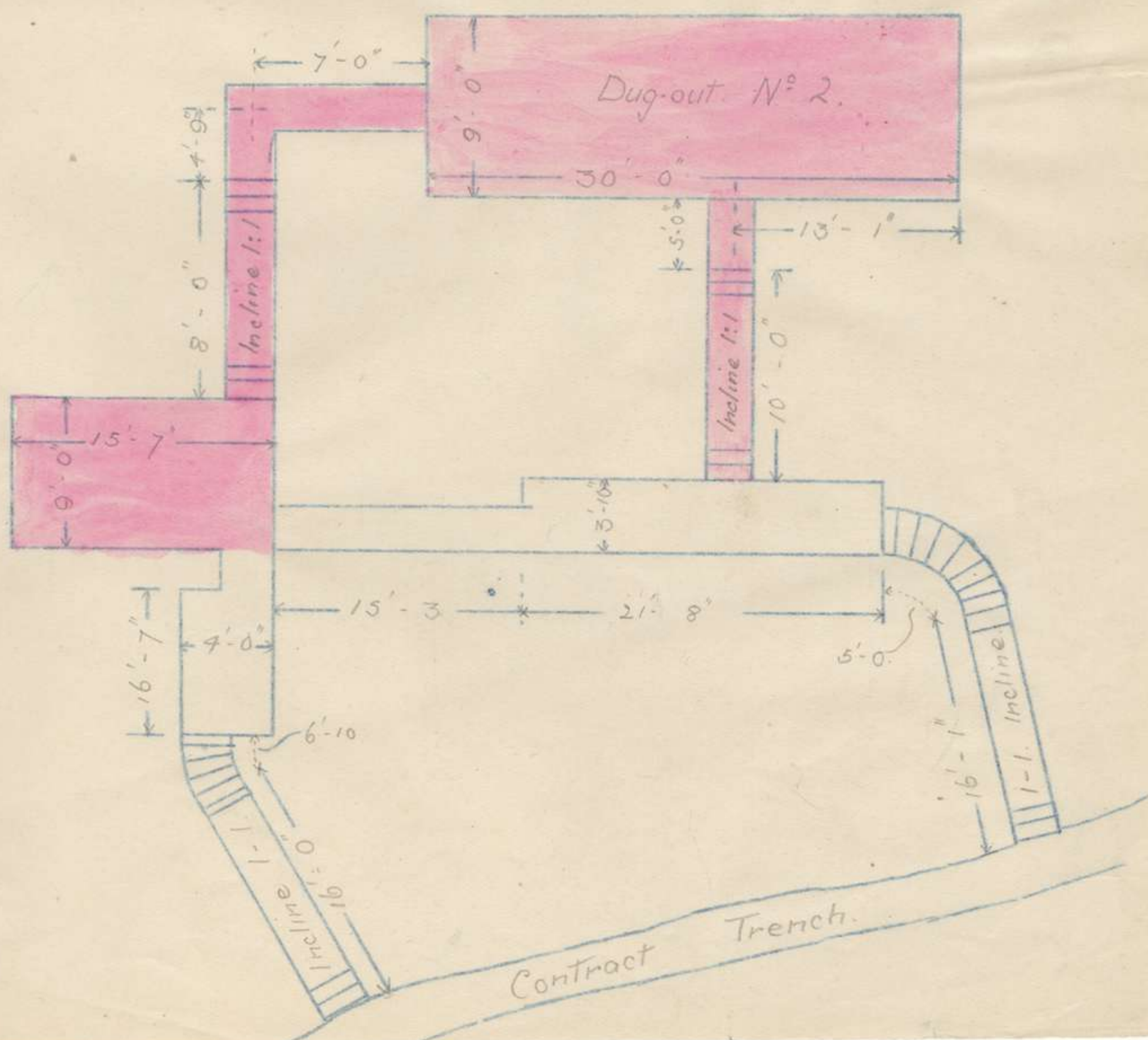
Sheet 44<sup>a</sup>

Ref. N.7d. 40.90.

Cover 28'-0"

Sketch "C"

Section D.O. N° 2

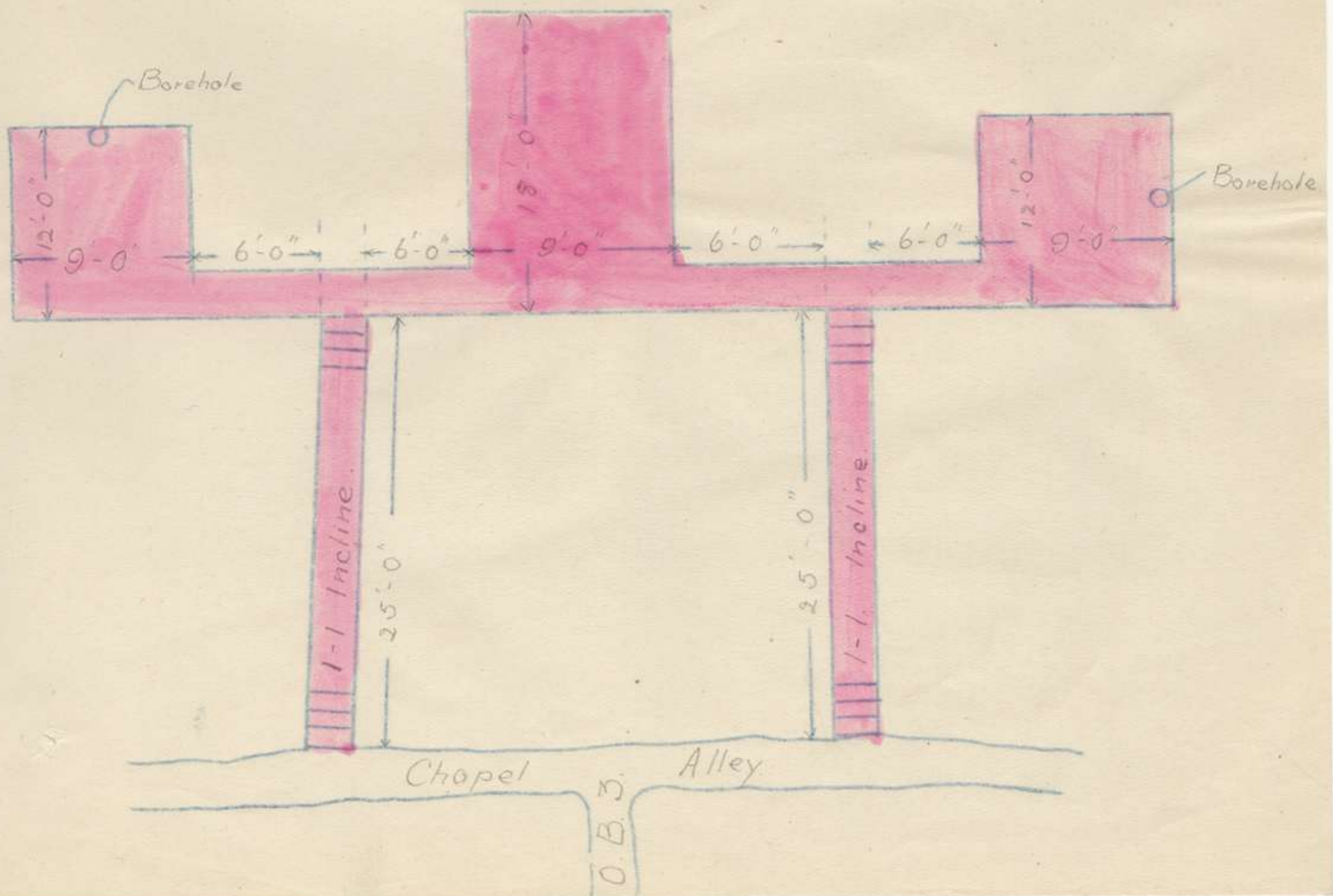
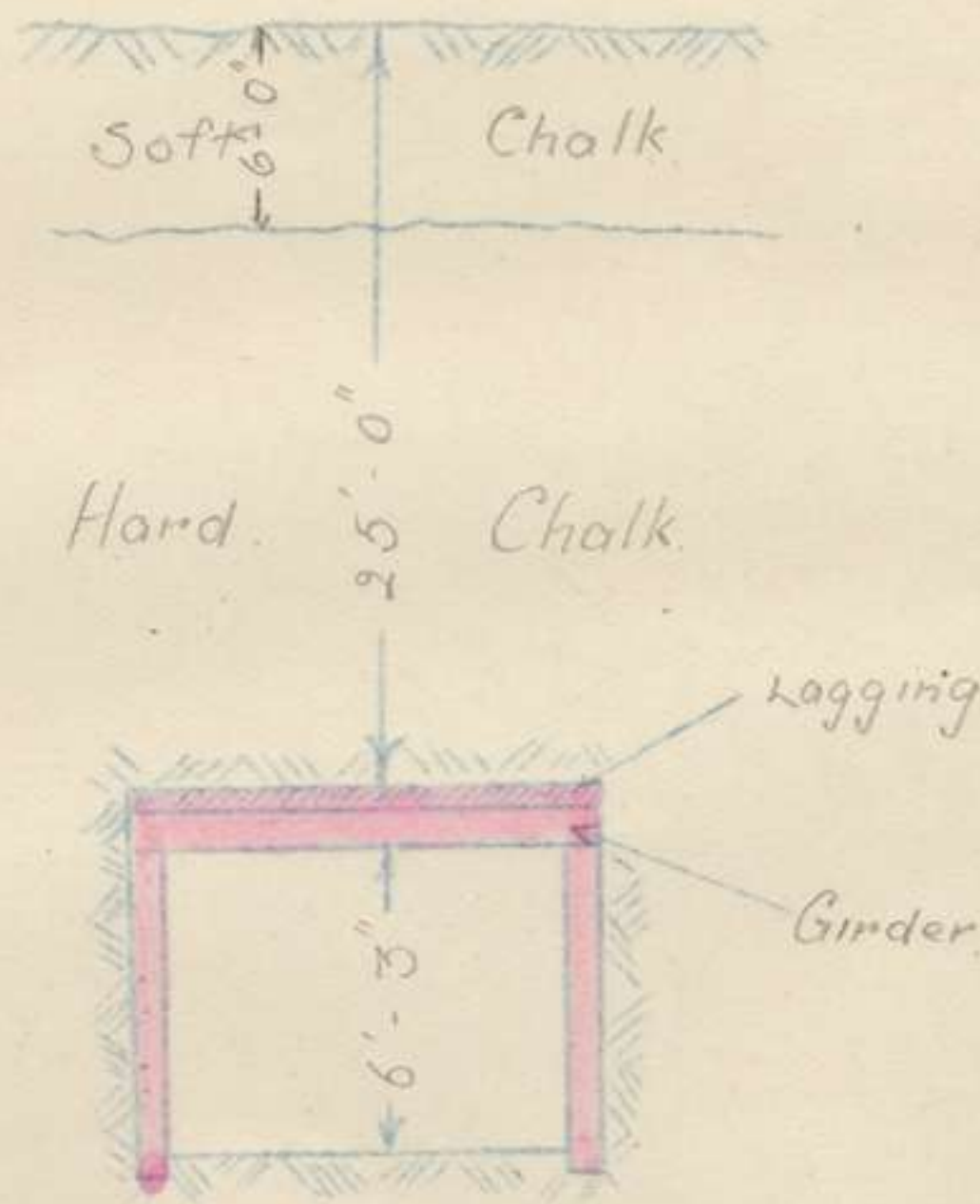




3<sup>rd</sup> Australian Tunnelling Coy.

Coy. H. Q<sup>trs</sup> Dug-out Chapel Alley. Sheet 44<sup>A</sup>. Ref. G.I.I.c. 50-30.

Cover 25'-0"





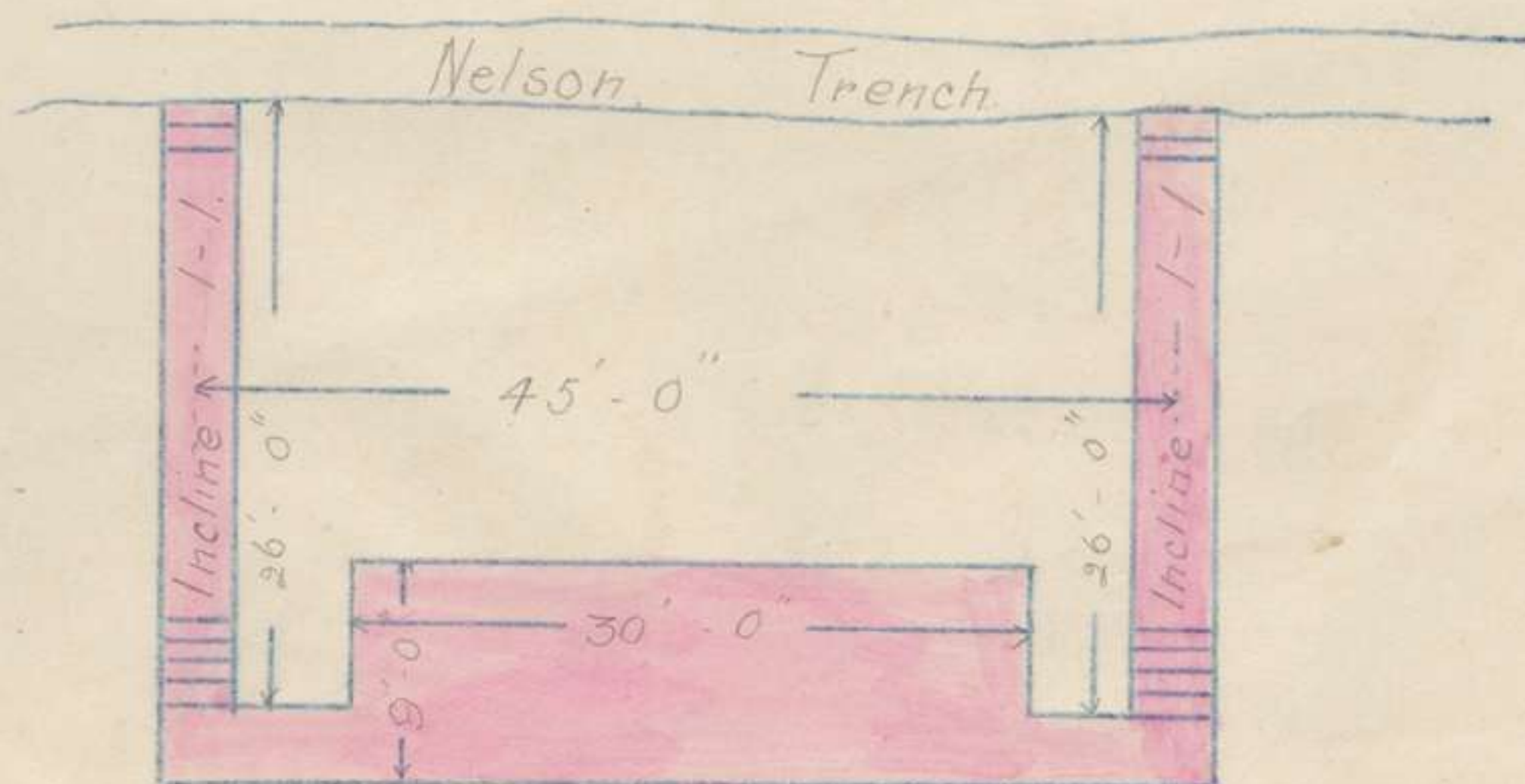
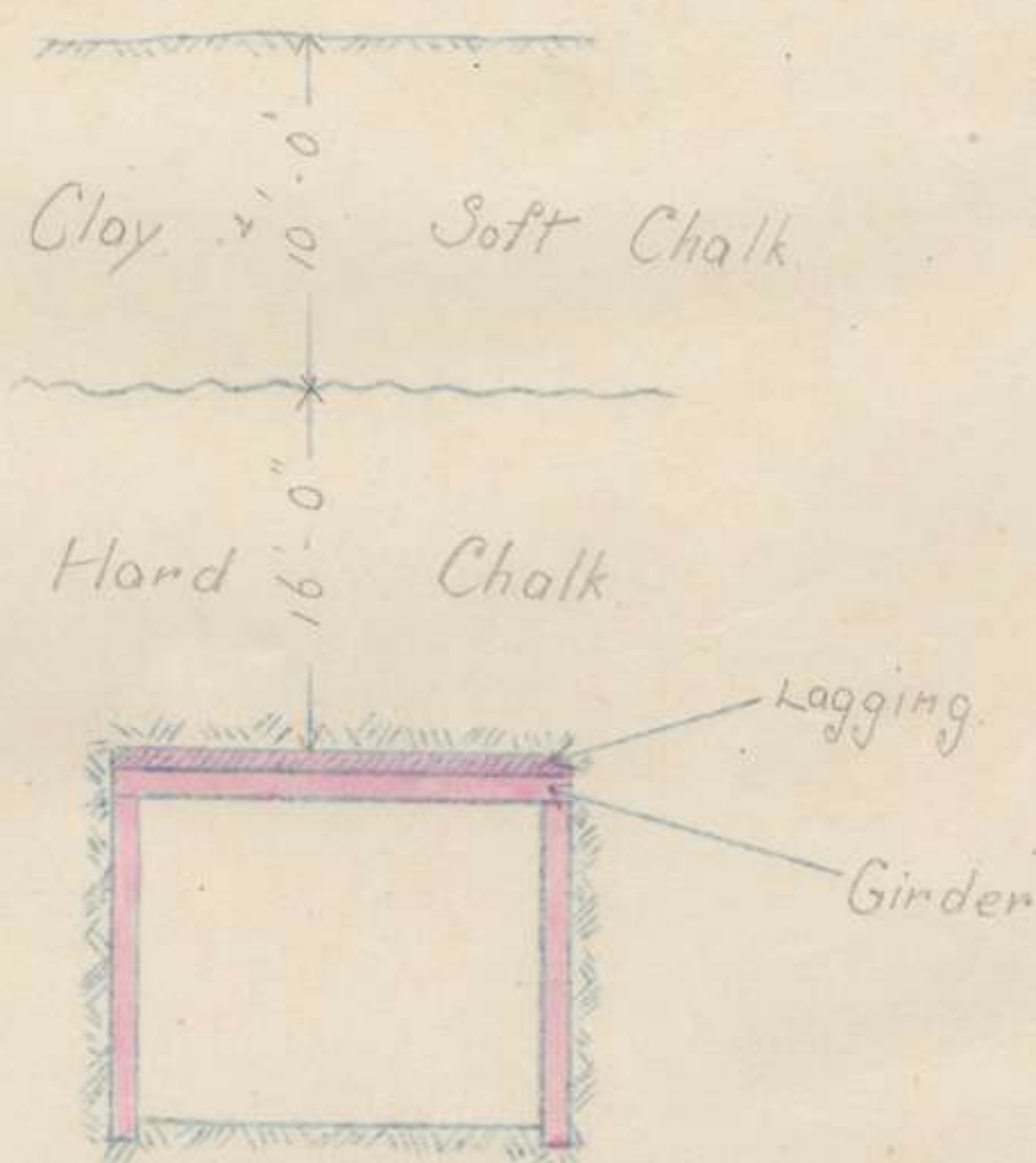
3<sup>rd</sup> Australian Tunnelling Coy.

Nelson Trench Dug-out.

Sheet 44<sup>A</sup>

Ref. N2a 35-85.

Cover 26'-0".

Sketch "E"



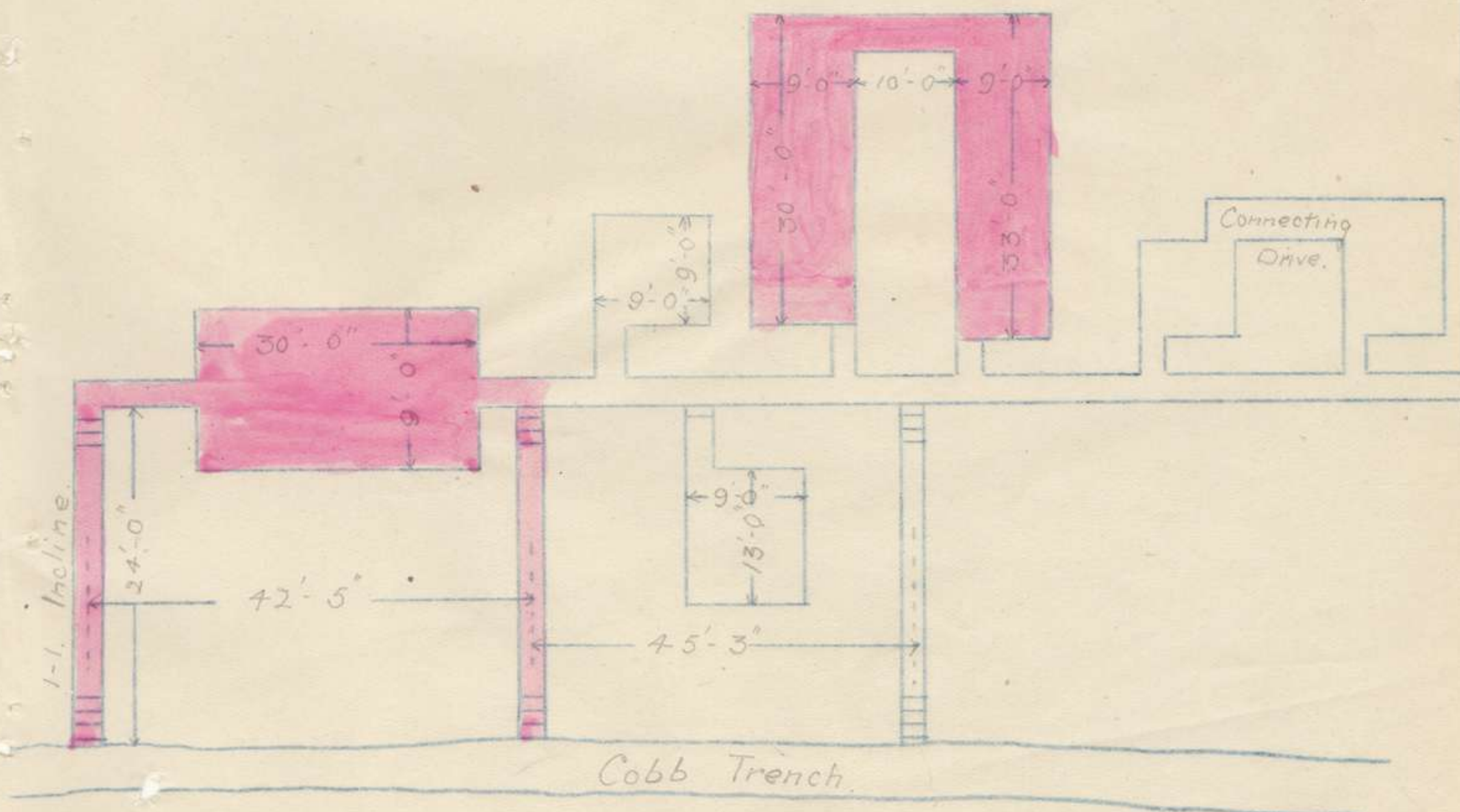
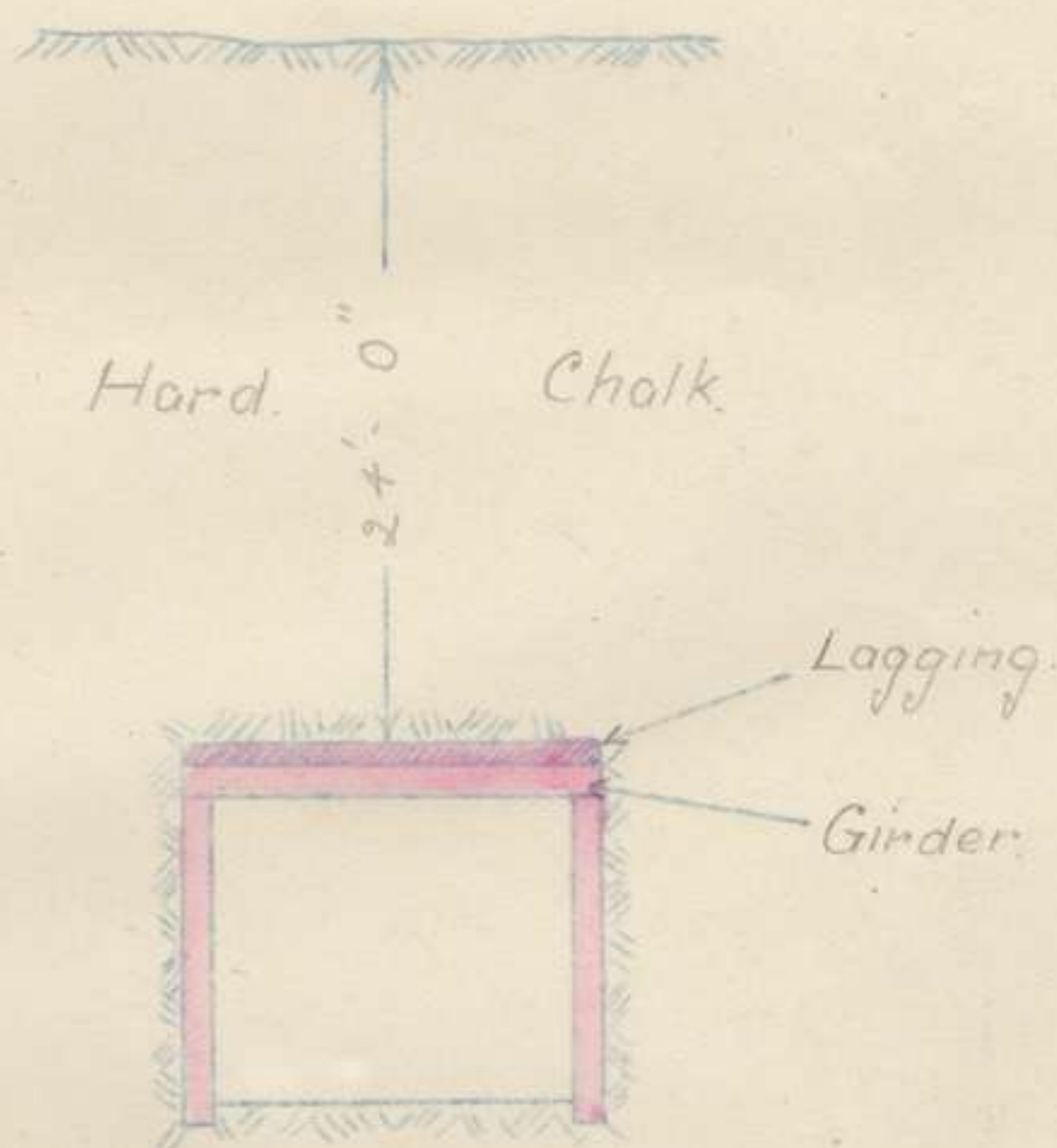
3<sup>rd</sup> Australian Tunnelling Coy.

Dug-out. Cobb Trench.

Sheet 44<sup>A</sup>.

Ref. N8a 50.80.

Cover 24'-0"

Sketch "F"



3<sup>rd</sup> Australian Tunnelling Coy.

Chapel Alley Dug-out.

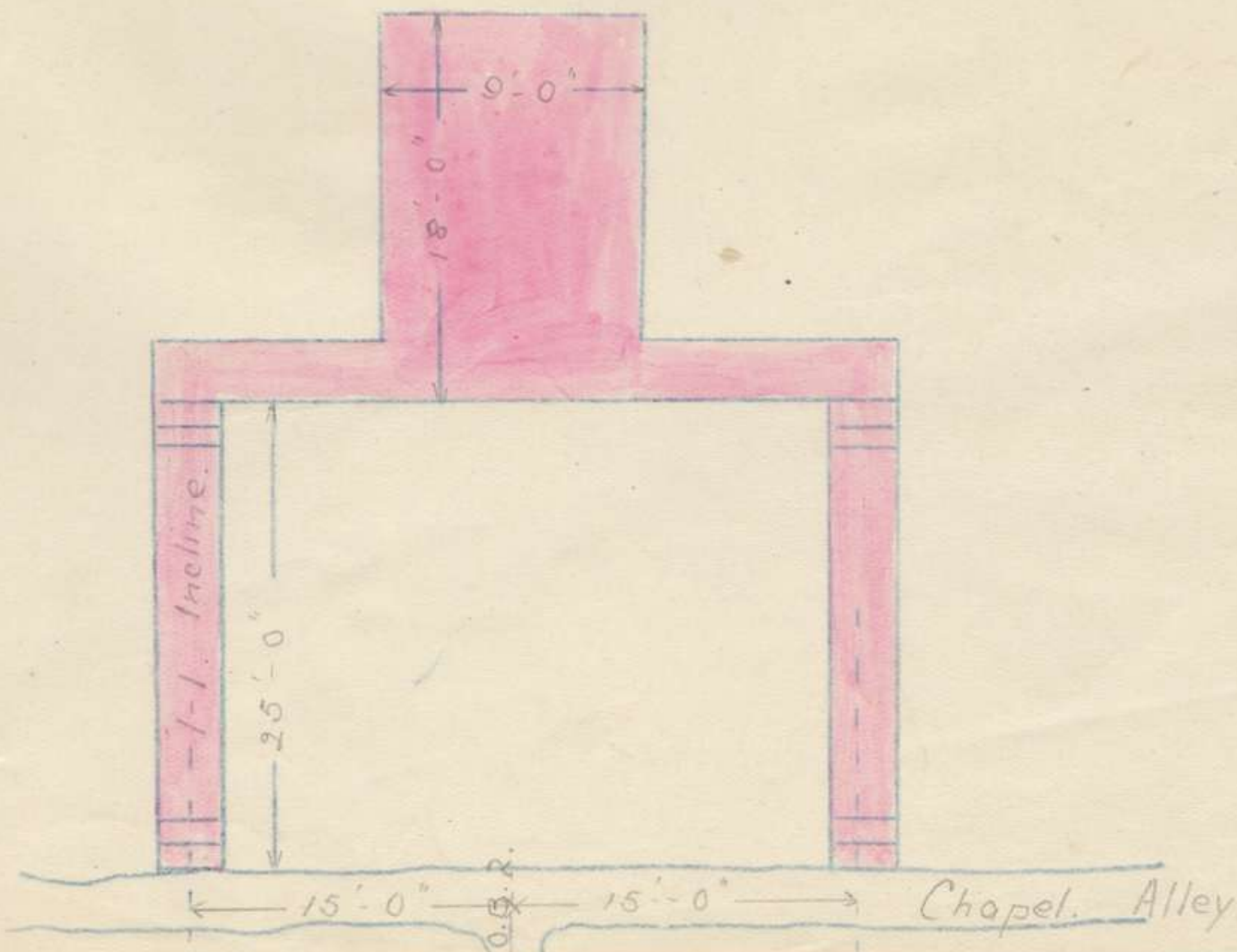
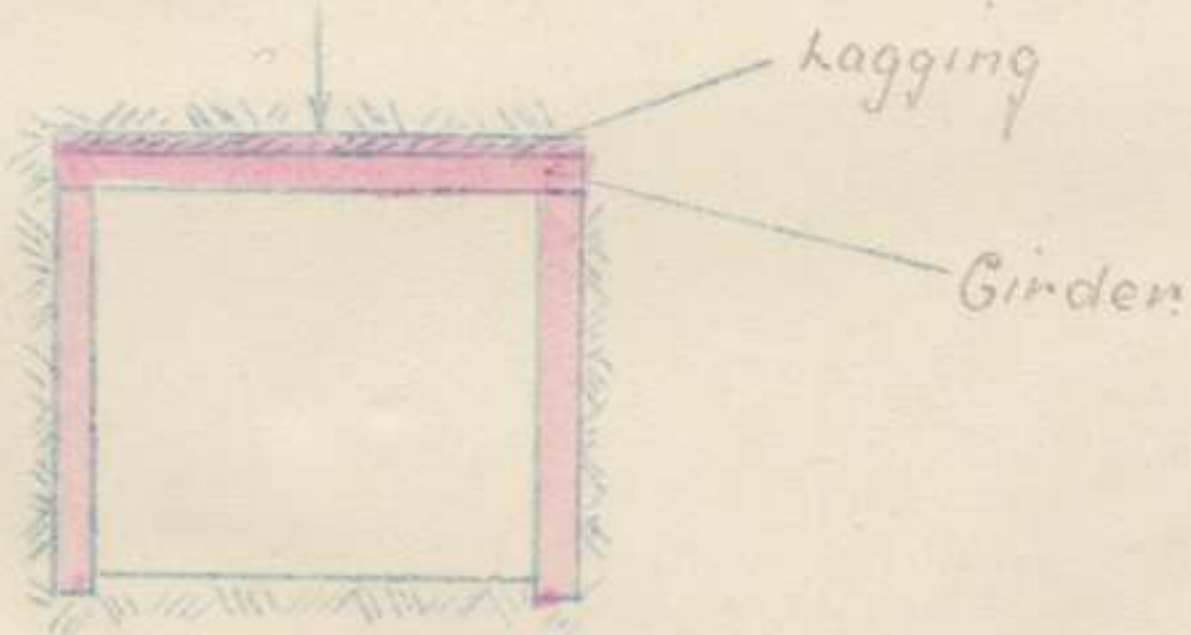
Sheet 44<sup>A</sup>.

Ref: G.I.I.C. 65.30.

Cover 25'-0".

Sketch 'G'

Hard 19'-0" Chalk





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## APPENDIX

3<sup>rd</sup> Australian Tunnelling Coy.

Dug-out for R.A.P. off Manning Tunnel. Sheet 44. Ref. G11a. 30.00.

Cover 22'-0"

Sketch "H".