

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

Tunnelling & Survey

Item number: 16/4/23

Title: 3rd Australian Tunnelling Company

January 1918



AWM4-16/4/23

CONFIDENTIAL.

ORIGINAL.
DUPLICATE.
TRIPLICATE.

3RD AUSTRALIAN TUNNELLING COY.	
No.
Date

356

Australian Imperial Force.

WAR DIARY

OF

3rd Aust. Tunnelling Coy.

FOR

January 1918.

Signature of Officer compiling

B. Shaw.
Lt.

Signature of Officer Commanding

WAR DIARY

or

INTELLIGENCE SUMMARY.

(Erase heading not required.)

3rd AUSTRALIAN TUNNELLING Coy.	
No.	100
Date	

Army Form C. 2118.

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Place	Date	Hour	Summary of Events and Information	Map References : Sheet 44a.	Remarks and references to Appendices
	1918		<p>Area over which Company worked embraced LENS - LOOS - HULLUCH - ST. ELIE - VERMELLES Sectors and a detachment worked at ARMENTIERES.</p> <p>Company Strength on 1-1-18: A.I.F. 28 Officers, 670 O.R's. B.E.F. 2 Officers and 179 O.R's.</p> <p><u>WORK in PROGRESS:-</u> New Winch Chamber and Incline off Hay Alley (G.18a 05.40. 6" T.M. Empt and Dugout St. Elie Tunnel (G.12c 95.05). Battalion H.Q. Curzon St (G.24c 05.95). Command H.Q. in Cosy, Cowley, and Conductor Trenches. Dugouts for 3rd Aust. Tunnelling Coy Forward Billets and H.Q. in Frankx Colony Trench (M.12b 55.20). Completing Dugout Systems on HILL 70 and preparing Reconnaissances and Surveys for proposed Infantry subways at CITE ST. PIERRE (LENS) Sector. Driving Highland Tunnel and stripping the main Mine Lateral through from Manning to St. George's Tunnel. Listening over the Company front.</p> <p><u>CORRESPONDENCE R & I.:-</u> G.703/1 from the 3rd Canadian Division about proposed Infantry Subways between Canteen Trench and outpost Mason's House, Carp Trench. From 9th Canadian Infantry Bde re "Shoot" for 2-1-18.</p>		Appendix 1. " - 2.
			<p><u>WORK COMPLETED:-</u> Winch Chamber (G.18a 05.40) at HULLUCH entry. Dump Tunnel.</p> <p><u>WORK in PROGRESS:-</u> Dugout for Battn Cookhouse personnel ST. ELIE Tunnel (G.12c 85.03) Drying Room off Power Plant St. George's Tunnel. H.Q. Dugouts at Catapult, Cosy etc.</p> <p>Commenced 5 Inclines off Hythe Alley for Tunnel entrances, HILL 70. In main HULLUCH and VERMELLES Tunnels: Listening, Salvaging, baling sumps, and maintenance of Subways.</p> <p><u>COMPANY ORDERS 595:-</u> 2/Lieut J.W.L. PURVES, and 2/Lieut J. DOW were promoted to be Lieutenants as from 13-8-17.</p>		Sketch "A"
			<p><u>WORK COMPLETED:-</u> Boring for Ventilation Btn H.Q. NATAL TRENCH (N.31d 10.15).</p> <p><u>WORK in PROGRESS:-</u> At HILL 70 and LENS Sectors Subway Inclines, and Salvage of O.G. Sets. HULLUCH System, Extending Drying Room, and 6" T.M.E. Laying 3" Demolition Charges.</p> <p>VERMELLES: Extending Hyland connections; Listening, repairs, etc.</p> <p><u>COMPANY ORDERS 596:-</u> No 2472 Spr ANDERSON W.H. was wounded on 2-1-18.</p> <p><u>CORRESPONDENCE R & I.:-</u> Memo from Eng.in Chief G.H.Q. re Lieut. A.L. KENNEDY's casualty.</p>		Appendix 3.

3rd
AUSTRALIAN
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	Jan. 4.		<p><u>WORK COMPLETED:-</u> Entrance to Manning Tunnel from R.A.M.C. Aid Post. Repairs to H.T.M. Empt (G.12c 95.05). Ammunition Chamber for 6" T.M.E. (Devon) (G.12c 98.18). Enlarged Coy H.Q. Dugout Northern Tunnel (G.18b 80.00). Deepening Wells in Border Tunnel, also wells A No 204 and "F", for water levels. Routine work on LENS and HILL 70 Sectors.</p> <p><u>CORRESPONDENCE R.&I.:-</u> G.42/1 and 24/176 from 42nd Div. Reference movement in Trenches. S.W.17 from 230th Brigade H.Arty. Reference Strong Doors at T.M.Empt approaches. Corr. re Order C.C. 8a-6 from O.C. Canadian Troops. Report from Capt. R.Y. Langdon to C.O. Company re small enemy raid.</p>		<p>Sketch "B" " " "C" Appendix 4 " 5 " 6 " 7</p>
	Jan. 5.		<p><u>WORK COMPLETED:-</u> St. Elie Tunnel 6" T.M.E. (G 12c 95.05) and Enlargement of Batty Drying Room off Power Plant (G.18a 67.85). Rise off Manning Tunnel for Periscope O.P. (G.11c 40.85).</p> <p><u>WORK in PROGRESS:-</u> Btn H.Q. Curzon St. Tunnel Extensions, cutting sumps and grooves for drainage. Latrine pits off Hay Alley. Mine lateral, fairways. Dugout extensions at Cosy Trench Canteen, etc. HILL 70: Inclines to subways and O.P. Catapult Trench. T.M. Ammunition Chamber Border Tunnel. Detachment at CUINCHY enlarging dugouts Nos 23 and 7.</p> <p><u>COMPANY ORDERS 598:-</u> No. 960 Spr COPELIN F. Wounded 3-1-18.</p> <p><u>CORRESPONDENCE R. & I.:-</u> G.4/052 from 5th Canadian Inf. Bde. Ref. Camouflage of Chalk.</p>		<p>Sketch "D" " " "E" Appendix 8.</p>
	Jan. 6		<p><u>WORK in PROGRESS:-</u> Stripping Incline at T.M.Empt (St. Elie). Cutting sumps and cleaning tunnel fairways, Listening. Command H.Q. Curzon, Cosy, Canteen etc. Hythe Tunnel System started with. Inclines A B C D & E. from Hythe Trench, and making trenches. Carrying all Material. Maintenance of Manning Tunnel System., and pumping galleries for Listeners.</p> <p><u>COMPANY ORDERS 599:-</u> N.C.O's Promotions. Church Parades.</p>		
	Jan. 7		<p><u>WORK COMPLETED:-</u> Dugout St. Elie Tunnel (G.12g 85.03).</p> <p><u>WORK in PROGRESS:-</u> Platoon Dugouts off St. Georges Tunnel (G.18a 65.95 536c). Entrance to Centre Coy H.Q. Dudley Tunnel (G 12d 45.30). Building Sumps steps. Repairs, Listening etc. At CITE ST PIERRE commenced inclining off Dugouts at Canteen Tunnel and Chicory Tunnel for Subways, O.P.'s and Hythe Inclines, and improvements in VERMELLES Tunnels.</p>		

D. D. & L., London E.C.
(10344) Wt W5300/P713 750,000 3/18 E 688 Forms/C2118/16

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AUSTRALIAN
TUNNELLING Coy.
No. 102
Date

Army Form C. 2118.

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	Jan. 7.		<p><u>CORRESPONDENCE R & I.</u>:- G 820 of the 3rd Canadian Division: Ref. Spoils Parties. Notice from Controller of Mines re Sugar Tickets. <u>COMPANY ORDERS 600</u>:- 45 O.R.'s Struck off Strength as from 6-1-18. N.C.O.'s Promotions.</p>		Appendix 9 " 10
	Jan. 8		<p><u>WORK in PROGRESS</u>:- Dugouts (St. Georges Tunnel) Boring for Ventilation. H.Q. Dugout entrance (G.12a 45.30). Battn H.Q. Curzon St. (G.24 c 05.95). Repairs H.Q. Dugout 45th Battery R.A.F. on Maroc.- Loos Rd. (G.34c 70.00). HILL 70: Inclines off Hythe Alley (and steps); O.P. in Reserve Line. Gas doors and repairs Stanfield Tunnel, and advancing Hyland Tunnel; No. C6 Well sunk and timbered.</p> <p><u>COMPANY ORDERS 601</u>:- 2/Lt E.P. HORN reported for duty from C.E. Aust. Corps, and was taken on strength from 6-1-18. Distinction of M.C. was awarded to Lieut. Hugh RUSSELL, and Lieut. C.C. SHAW was mentioned in despatches for distinguished war service.</p> <p><u>INTELLIGENCE REPORTS</u>:- Spoil parties for work at Hythe Alley and Reserve Line supplied by 1st Canadian Mounted Rifles.</p> <p><u>CORRESPONDENCE R & I.</u>:- B.M.R. 61/14 from 7th Canadian Inf. Divn and G.85/081, and 082, from the 8th Canadian Infantry Divn: Ref. Spoils Parties.</p>		Appendix 11.
	Jan. 9		<p><u>WORK COMPLETED</u>:- Platoon Dugout Cozy Trench (N.2d 15.15); Hulluch sumps, demolition charges, laying leads, ammunition recesses. Carried on with stripping Hairpin Lateral, C.6 Well; Timbering and putting in ladderways to O.P.'s Defence Blocks, Manning and Featham Tunnels. St. George Dugout Curzon Street Command Dugouts etc. At CITE ST PIERRE advanced Dugout systems Canteen, Colony, Cowley etc. At HILL 70 put steps in inclines, and tramlines Hurdle and Catapult Dugouts. Listening over the whole area worked by Company. Opened up face from Carp Trench (Mason's House); Salvaging and carrying.</p> <p><u>COMPANY ORDERS 602</u>:- Notified that 4485 Spr THOMAS R.G. was awarded the D.C.M.</p> <p><u>CORRESPONDENCE R & I.</u>:- 137 Infantry Bde Order 176.</p>		Sketch "F" " "G" " "H" Appendix 12.

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No. <u>103</u>
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Place	Date	Hour	Summary of Events and Information	Map Reference: Sheet 44a.	Remarks and references to Appendices
	Jan.	10	<p><u>WORK COMPLETED</u>:- Highland Tunnel; Installed Demolition charge Manning Tunnel and leads, Excavating for Dugouts St George, Dudley, and Curzon. Connecting Highland Tunnel to 209. Repairing Proto incline. Extensions at Chicory and Canteen, and inclining for for Subway to Cobb Trench and Carp-Hythe Tunnel faces, and repairs to trenches. The work of detachment at CUINCHY delayed by shelling at dugouts 7 and 23.</p>		Sketch "Ha"
	Jan.	11	<p><u>WORK in PROGRESS</u>:- As above. Also work on St. George's W. and "K" Tunnel T.M. Empts. Commenced Dugout in O.B.4 (G.10b 60.40) for Platoon. Enlarging Dugouts 6 and 7 (A.21a 00.40) and No 23 (A 20d 95.30) in Village Line CUINCHY.</p> <p><u>COMPANY ORDERS 603</u>:- 6819 Spr JOHNSTONE W.J. Wounded 9-1-18.</p>		
	Jan.	12	<p><u>WORK in PROGRESS</u> :- On this date includes excavation for Btn H.Q. Curzon St. and Platoon Dugouts in the Tunnels. Commenced chamber for Electric Fan for ventilation. At VERMELLES Tunnels Dugouts for T.M. personnel, and Platoon Dugout in O.B. 4 Trench. With two sections employed at the subway systems existing, in addition to work in progress tramlines were laid, fairways ballasted and cleaned, and all repairs effected. Two Sections had the new subways at HILL 70 and ST.PIERRE, and Dugout accomodation in their respective sections, under development. At CUINCHY a Detachment was employed enlarging and reinforcing Nos 6, 7 and 23 Dug-out Systems.</p>		
	Jan	13	<p><u>WORK in PROGRESS</u>:- Details of Tunnel Defence Works. T.M.E's at Cut-off Trench (N.8c 30.75). Dugout Systems at O.B.4, Curzon, Cowley, Conductor, and Chicory Trenches. The H.Q. Dugouts for 3rd Australian Tunnelling Coy at Colony Trench on the LENS - BETHUNE ROAD. Work in progress at Hythe Tunnels, and Gas Blankets put in all inclines. Dugouts for Platoon and M.G. team in Catapult Trench (N.1b 90.60). CUINCHY Dugouts 7 and 23 camouflaged.</p> <p><u>CORRESPONDENCE R & I</u>:- G.180/17 from General Staff 46th Division re Working parties.</p>		Appendix 13.

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	Jan.	14.	<u>WORK in PROGRESS:-</u> As on 12th and 13th. In addition, Sentry Dugout in Manning Tunnel, and Dugout for 6" T.M. personnel in Slag View, Border Tunnel. Salvaging, Pumping and Listening.		
	Jan.	15.	<u>WORK in PROGRESS:-</u> Dugouts for "Blocks" in St. Elie, St. George's and Hulluch Tunnels. Canteen Subway faces. 6" Newton T.M.E. Easter Trench (N.c 50.00) and Cut-off Trench. O.P. for Field and Corps Arty; Hurdle Trench (H.32a 15.70) Hythe Tunnel (H 31d 60.40 and H 32d 10.80). At VERMELLES Dugouts at Slag View (G.11b 10.70) and O.B.4. Drainage of System. Stripping Mine Lateral Hairpin System, (G.11b 87.24). Blocking Hythe Highland Tunnel. <u>COMPANY ORDERS 608:-</u> N.C.O's appointments. Notified that the Company forwarded £10 in aid of St. Dunstan's Hospital for Blind Soldiers and Sailors.		
	Jan.	16.	<u>WORK COMPLETED:-</u> In Dudley Trench alternate entrance to Coy H.Q. (G.12d 45.30) also Dugout for T.M. (G 11b 10.70) personnel in Border Tunnel. Demolition charges complete in every main subway. <u>WORK in PROGRESS:-</u> Fan chamber excavations. Cuddys for leads. Complete drainage of HULLUCH system. Canteen subway faces, Cut-off and Easter T.M. Empts HILL 70 Subways, and VERMELLES System defences. Salvaging and Stripping. <u>CORRESPONDENCE R. & I.:-</u> From C. of Mines First Army Ref. Demolitions.		Sketch "J". Appendix 14.
	Jan.	17.	<u>WORK COMPLETED:-</u> In Colony Trench (M 12b 55.20) H.Q. Dugouts for 3rd Australian Tunnelling Coy personnel. <u>WORK in PROGRESS:-</u> Doors to control ventilation in Tunnels. Platoon Dugouts off St. Georges Tunnel, and in the O.B.4 Trench. Remade O.B.2 Trench at Tunnel exit. Clearing surplus bags from Tunnels. Hythe Tunnel exits, camouflage of Spoil. Winch Chamber and Steps. Canteen Tnl as usual. Detachment at CUINCHY on Dugout renovation, carrying and shaping timber. <u>CORRESPONDENCE R. & I.:-</u> No 138/4 from C.R.E. 38th (Welsh) Divn. Ref. Coy Detachment. <u>COMPANY ORDERS 610:-</u> 30 O.R's reported for duty and were taken on strength as from 16-1-17.		Appendix 15.

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	Jan.	18.	<p><u>WORK in PROGRESS:-</u> Heavy rains followed by partial flooding of all underground systems. To meet this pumps installed and slurry baled from sumps. Duckboards laid where practicable. Hand pumps installed at Exits. Much labour involved. Roofing leaking Dugouts. Canteen and Kxxxx Hythe Subways being expedited.</p> <p><u>COMPANY ORDERS 611:-</u> 1064 Spr LANGFORD L. and 5952 Spr ANDREWS T.W. Wounded on 16-1-18.</p> <p><u>CORRESPONDENCE R & I.:-</u> G 80/181 from 8th. Canadian Inf. Bde. re "Shoot" and Signal message.</p>		Appendix 16.
	Jan.	19.	<p><u>WORK in PROGRESS:-</u> Tunnel Drainage, Salvage and Repairs. Overhauling Lamps. Routine work on new Subways at HILL 70 and LENS Sectors. XXXXXXXXXXXX.</p> <p><u>COMPANY ORDERS 612:-</u> Church Parades. Lieut W.W. GRAINGER M.C. admitted to 1st Corps Officers Rest Station AIRE on 3-1-18 and returned to duty 17-1-18.</p> <p><u>CORRESPONDENCE R & I.:-</u> 12/4 from C.E. Canadian Corps, Ref. Mining Sets. G.85/193 from 8th Canadian Infantry Brigade re Spoils Parties. 139th Inf. Bde Order No 154.</p>		Appendix 17 " 18 " 19
	Jan.	20.	<p><u>WORK in PROGRESS:-</u> Routine at HULLUCH, HYTHE, CANTEEN, and VERMELLES Systems.</p>		
	Jan.	21	<p><u>WORK in PROGRESS:-</u> Btn. H.Q. Curzon St. 1½ Sections employed on Tunnel Systems, repairs, making fairways, duckboarding and drainage. One full Section on development work HILL 70. One Section in CITE ST. PIERRE. Coy Detachment at CAMBRIN. Renovating and extending existing Dugout Systems. On this date a CINEMA was opened at H.Q. in the Mens' Dining Hall.</p> <p><u>COMPANY ORDERS 614.</u> 1 O.R. struck off Strength.</p> <p><u>CORRESPONDENCE R & I.:-</u> 25/18 from the 331st Road Construction Coy R.E., Ref. Sounds of Mining. G 230/9 from the 1st Canadian Bde, Ref. Spoils Parties.</p>		Appendix 20 " 21
	Jan.	22	<p><u>WORK in PROGRESS:-</u> Pumping, duckboarding and repairs in Tunnels. Sinking Inclines and opening out the new Subway Systems. Camouflage of all spoil. Divisional Reliefs interfered with Routine. T.M. Empt at Easter Trench.</p> <p><u>COMPANY ORDERS 615:-</u> 1218 Spr HOY H. was wounded by shrapnel coming out through Lone Trench on 20-1-18.</p>		

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	Jan.	22.	<u>CORRESPONDENCE R. & I.:-</u> Received 12/4 from the C.E. Canadian Corps, Ref. Timber. 596/8/G from 139th Inf. Bde re orders in case of Advance. Note from Lieut. T. Taylor to Adjutant reporting Casualties to Lieut. RUSSEL and Sapper CARDEN at Hythe Alley, LOOS.		Appendix 22 " 23 " 24
	Jan.	23	<u>WORK COMPLETED:-</u> In Village Line (QUINCHY) (A.21a 00.40) Dugouts 23 and 24 for 3 Platoons. Bunking and Wiring in hand. <u>WORK in PROGRESS:-</u> At new Subways. Listening galleries at HILL 70 submerged. At Tunnels measures continued to meet problem of water and slurry. <u>COMPANY ORDERS 616:-</u> Lieut. H. RUSSEL died of Wounds, received at Hythe Alley, HILL 70. also 5001 Spr CARDEN J. Killed in Action 22-1-18.		Sketch "K" " "L"
	Jan.	24	<u>WORK COMPLETED:-</u> Repairs 10th Avenue Tunnel following the rains. Extra sumps out Rat Creek and Better's Posts roofed and duckboarded. Additional entrance to 3rd Aust. Tllg Coy Cookhouse. <u>WORK in PROGRESS:-</u> As usual with Sections and Detachment.		
	Jan.	25	<u>WORK COMPLETED:-</u> Platoon Dugout, Catapult Trench (N.1d 90.60) also Dugout for M.G. personnel. At Village Line (QUINCHY) Dugouts for 2 Platoons (A.20d 45.30). WORK in PROGRESS:- Includes Cleaning Tunnel, fairways, and blocking up all unused exits and shafts as precaution against Gas. At HILL 70 clearing spoil which had accumulated during the constant heavy bombardment. Progress at twin T.M. Epmts Cut-off Trench. <u>CORRESPONDENCE R. & I.:-</u> B.M. 323 and G.272/9 from 1st and 2nd Canadian Bdes and 5 WP/95, Ref. Spoils Parties.		Sketch "M" Appendix 25.
	Jan.	26.	<u>WORK COMPLETED:-</u> Platoon Dugouts and extra entrance O.B.4 Trench (G.10b 60.40) Dugout No 24 (A.20d 95.50), and Dugout for M.G. crew near Btn H.Q. (A.21c 12.70), Dugout No 4 (A.21a.03.02) QUINCHY. Bunking same. <u>WORK in PROGRESS:-</u> Maintenance of Tunnel Systems, Fairways, and Listening. Subway drives at Canteen and Hythe. Flooring and bunking at H.Q. Colony Trench. <u>CORRESPONDENCE R. & I.:-</u> From C.E. 2881a Ref. Command Post Dugouts. 34/70 from 42nd Div. (E.L) Ref. Reliefs. 125th Inf Bde Order 69 re working parties.		Sketch "N" " "P" " "Q" Appendix 26 " 27 " 28

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	Jan.	27.	<p><u>WORK COMPLETED</u>:- Traverse at FREUND'S SHAFT (G.12d 02.11).</p> <p><u>WORK in PROGRESS</u>:- Stripping Tunnels to provide clear Field of Fire ahead of Defence Blocks. Laying "Points" and crossings Reserve Line O.P., and Subways HILL 70.</p>		
	Jan.	28	<p><u>WORK in PROGRESS</u>:- Routine in permanent Subways, and good progress with work at Subways HILL 70 and LENS, in spite of Reliefs in trenches cutting out the regular Spoils Parties.</p> <p><u>COMPANY ORDERS 621</u>:- 14 O.R.'s struck off Strength as from 27/1/18. 13 O.R.'s embarked for Australia in England 21-12-17.</p> <p><u>CORRESPONDENCE R. & I.</u>:- 1st Canadian Division Operation Order No. 230.</p>		Appendix 29
	Jan.	29.	<p><u>WORK COMPLETED</u>:- Excavation for Fan chamber at junction of ST.ELIE and HULLUCH Systems (termed the "Oval"). G.18a 60.70 and M.G. Dugout No 9 (A.21c 10.80) CUINCHY.</p> <p><u>WORK in PROGRESS</u> :- Tunnel Defence and Routine Boring for Ventilation; Repairs, Listening etc. At HYTHE stripping fairways, destroying old German explosives. Camouflaging spoil. Detachment at CUINCHY Revetting and Bunking. Detachment sent to PONT DE NIEPPE.</p> <p><u>COMPANY ORDERS 622</u>:- Nos 7319 Spr WALSH W. and 1245 MARTIN A. accidentally wounded 27-1-18.</p>		Sketch "R".
	Jan.	30	<p><u>WORK COMPLETED</u>:- Chamber off "D" Incline Canteen Tunnel (LENS), and "Rise" to shell hole for spoil dump. This was occupied by Machine Gun Team (N.3b 45.00). Auxilliary drainage schemes in HULLUCH, ST.ELIE, DEVON, FEATHAM, MANNING Tunnels.</p> <p><u>WORK in PROGRESS</u>:- Stripping Hairpin Lateral, Curzon Bn H.Q. and Devon Dugout for T.M. crew. Tamping up mine exits, ballasting fairways, Subways at LENS and HILL 70 Sectors.</p>		
	Jan.	31	<p><u>WORK COMPLETED</u>:- Stripping Wing's Way West Drive. Tramline and points.</p> <p><u>WORK in PROGRESS</u>:- Routine work at Tunnels and Subways. Rails, Boring, Timbering etc. Two Coy Detachments completing Dugout systems at CUINCHY and opening up M.G. Series of Empts and Dugouts at NIEPPE.</p>		

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	Jan. 1918.		<p>RÉSUMÉ for the Month:- -----</p> <p>Work completed in the 11th Corps Area at CUINCHY on renovation and extensions of existing Dugout System.</p> <p>Work in the XV Corps Area at PONT DE NIEPPE was commenced by a detachment of No. 1 Section. In the 1st Corps Area important Tunnel Systems were maintained, extended, and more adequate Dugout accommodation provided for Garrison troops. All O.P.'s, Gun Emplacements, Fairways and Exits were kept in Repair.</p> <p>Under the Canadian Corps at HILL 70 and LENS Sectors new Subway Systems were developed to eliminate traffic through Main Surface Communication arteries with Front Line Posts; additional Dugout Accommodation in the same Sectors.</p> <p>Underground Listering was maintained, and special reports investigated, and where necessary, the Infantry Battalions concerned were advised of enemy movements.</p> <p>Working Parties were supplied by the 2nd and 9th Canadian Infantry Brigades on the LENS - LOOS Section; and by the 46th Divn B.E.F. up till 16th Jan. (137, 138, and 139th Infantry Brigades), then by the 33rd and 34th Infantry Brigades till the end of the month, in HULLUCH - ST. ELIE - VERMELLES Sections.</p>		<p><i>Added.</i></p> <p><i>Appendices</i></p> <p><i>30 & 57</i></p> <p><i>"Ca"</i></p> <p><i>58 & 59</i></p>

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WAR DIARY

OF

3rd Aust. Tunnelling Coy.

FOR

January 1918.

LIST OF APPENDICES.

- | No. | Subject. |
|-------|--|
| ✓ 1. | G 703/1 from 3 rd Canadian Div. re Tunnels at Canteen. |
| ✓ 2. | Letter from 9 th Canadian Inf. Bde. re "Shoot" for 2/1/18. |
| ✓ 3. | Memo from Engineer-in-Chief G.H.Q. re Lieut. Ad. Kennedy's Casualty. |
| ✓ 4. | G. 42/1 + 24/176 from 42 nd Div. referring to movement in Trenches. |
| ✓ 5. | S.W. 17 from 230 th Bde. H. Div. re Shoring Doors of T.M.E. approaches. |
| ✓ 6. | Correspondence re Order G.C. - 8a - 6. from O.C. Canadian Corps Troops. |
| ✓ 7. | Report from Capt. R.V. Langdon to C.O. re small surprise enemy raid. |
| ✓ 8. | G. 64/052 from V th Can. Inf. Bde. re camouflage of chalk. |
| ✓ 9. | G. 820 of 3 rd Can. Inf. Div. with regard to Spoil Parties. |
| ✓ 10. | Notice from Controller of Mines re sugar tickets for men on leave. |
| ✓ 11. | B.M.R. 61/14 from 7 th Can. Inf. Div. G 85/081 + G 85/082 from the 8 th Can. Inf. Div. referring to Spoil Parties. |
| ✓ 12. | 137 th Inf. Bde. Order 176. |
| ✓ 13. | G. 180/17 from General Staff 46 th Div. re Working Parties. |
| ✓ 14. | N ^o 334 from C.M. 1 st Army re Demolitions. |
| ✓ 15. | 138/4 from C.R.E. 38 th Div. referring to Company Detachment. |
| ✓ 16. | G 80/181 from 8 th Can. Inf. Bde re "Shoot"; also signal message. |
| ✓ 17. | 12/4 from C.E. Can. Corps. re Mining Timber Sets. |
| ✓ 18. | G. 85/193 from 8 th Can. Inf. Bde re Spoil Parties. |
| ✓ 19. | 139 th Inf. Bde. Order N ^o 154. |
| ✓ 20. | 25/18 from the 331 st Road Const. Coy R.E. referring to "Sounds of Mining". |
| ✓ 21. | G. 230/9 from 1 st Can. Bde. referring to Spoil Parties. |
| ✓ 22. | 12/4 from C.E. Can. Corps with reference to Timber. |
| ✓ 23. | 596/8/6. from 139 th Inf. Bde re orders in case of Advance. |
| ✓ 24. | Note from Lieut. T. Taylor to Adjutant reporting casualties to Lieut. N. Russel + Sapper Carden at Hythe Alley, Loos. |
| ✓ 25. | B.M. 323 + G 272/9 from 1 st + 2 nd Can. Bds. + 5 W.P./95 re Spoil Parties. |
| ✓ 26. | 34/70 from 42 nd E.L. Div. re Reliefs. |
| ✓ 27. | 2881 A from C.E. referring to Command Post Outposts. |
| ✓ 28. | 125 th Inf. Bde. Order 69 re Working Parties. |
| ✓ 29. | 1 st Canadian Division Operation Order 230. |

J.P.S.

Added Appendices 30 - 57.

APPENDIX

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APPENDIX

APPENDIX

Canadian Corps G.818/21-7.31-12-17.

SECRET

3rd Canadian Division.

G.703/1.

Appendix 1

9th Canadian Inf. Bde.

C.R.E.

D.M.G.C.

3rd Australian Tunnelling Coy.

Permission has been given for tunnel to be
put in from MASON'S HOUSE, N.8.d.5.9 $\frac{1}{2}$, to CANTEREN Trench,
N.8.a.9.2.

1-1-18.

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

(18)

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12.
Appendix 2.

SECRET.

9th. Canadian Inf. Bde.
G. 40/10.

- 43rd. Canadian Bn.
- 52nd. Canadian Bn.
- 58th. Canadian Bn.
- 116th. Canadian Bn.
- 9th. Canadian T.M. Bty.
- 9th. Canadian H.A.G. Coy.
- 3rd. Australian Tunnelling Coy.
- 10th. Brigade C.F.A.
- 2nd. Canadian H.A.G.
- 91st. H.A.G.
- 3rd. Can. Div'l. H.T. Officer.
- 3rd. Canadian Division.
- 3rd. Can. Div'l. Arty.

- 9th. Field Coy. C.E.
- 7th. Can. Inf. Bde.
- 8th. Can. Inf. Bde.

1. In continuation of this office G. 40/5 of 29.12.17 on January 2nd. 1918. there will be a concentrated shoot on enemy new trench approximately from N. 14. b. 05. 65 to N. 8. d. 60. 75.

2. The shoot will be carried out by Heavy artillery 4.5" Hows. and Divisional Trench Mortars as follows :-

Jan'y. 2nd. From 10.0 a.m. to 1. p.m.

3. Zones of fire will be as follows :-

35th. Battery C.F.A. of 10th. Brigade C.F.A. from N. 14. b. 05. 65. to N. 8. d. 20. 25. for 1 1/2 hours with 4.5" Hows.

2nd. Canadian Siege Battery of 2nd. Canadian H.A.G. from N. 14. b. 05. 65. to N. 8. d. 20. 25 for 1 1/2 hours with 6" Hows.

3rd. Canadian Divisional Trench Mortars from N. 8. d. 20. 25. to N. 8. d. 60. 75 for 3 hours with 6" Howtons.

4. During the same hours the 96th. Siege Battery of 91st. H.A.G. will shoot on selected enemy trench mortar positions with 9.2" Hows.

5. Officers commanding Right and Left Sub-Sections will be responsible that the trenches are cleared or men under secure cover for a distance of 300 yards from our front line between N. 8. c. 6. 0. to N. 8. b. 4. 8.

Battalion Commanders will, however, arrange to have a proportion of Lewis guns and crews established under cover within the cleared zone in case of emergency.

6. As it is probable that this shoot may draw considerable retaliation from the enemy, all troops in the forward area of the ST. GILES Section must be warned of the hour of the shoot to be prepared to take cover.

7. The following code word will be used to signify "shoot cancelled" and will be wired or 'phoned if necessary to those concerned :-

Shoot cancelled January 2nd. CODE WORD.
GREEN.

Please acknowledge.

[Signature]
Capt.
Brigade Major,
9th. Canadian Inf. Bde.

January 1st. 1918.

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ENGINEER-IN-CHIEF,
G. H. Q.
NE 5044

O. C.
3rd Aust. Tunnelling Coy.

Your nominal roll dated 31.12.17.

Will you please state the nature of the casualty affecting Lieut. A.L. KENNEDY; whose name is now omitted ?

G. H. Q.,

3 .1.18.

W. J. ...
Major General.
Engineer in Chief.

COPY.

42nd Division. G.42/1.

C.R.E. 356
125th Inf. Brigade.
126th Inf. Brigade
127th Inf. Brigade.

Recent enemy artillery activity on our front system tends to show there is too much movement by day, especially when the visibility is good and the enemy balloons are up.

Steps must be taken to reduce movement in view of the enemy to a minimum. Advantage should be taken of C.Ts., screens, houses and any available cover.

The provision of shell-proof accommodation is an essential portion of the work programme and it is particularly important that the large amount of work going on both in and in front of the Village Line should not be interfered with, otherwise it may be necessary to undertake less work by day and increase the work by night.

The above applies not only to troops living in the line, but also to working parties who have come up for the day to work.

(Sgd.) B. J. CURLING,
Lieut. Colonel, G.S.,
42nd Division.

4/1/18.

H.Q.
42ND (E.L.) DIVISION.
R.E.
No. 24/176
Date

NB

Appendix 4.

- O.C. 3rd Australian Tunnelling Co. R.E. ✓
- O.C. 170th Tunnelling Co. R.E.
- O.C. 251st Tunnelling Co. R.E.
- O.C. 422 Field Co. R.E.
- O.C. 427 Field Co. R.E.
- O.C. 428 Field Co. R.E.
- O.C. 429 Field Co. R.E.
- O.C. 1/4 S.Lanes. Regt.

For information and necessary action.

Lt. Cawmugh.
Please note
minute attached.
Where the ground is
under observation from
enemy balloons or other-
wise the spoil should be
emptied and camouflaged at
night time. Movement during
the day in view of the enemy
should be stopped.
6/1/18. Allen Sanderson
O.C. 3rd Aust. Tunn. Co.

A.N. Walker

Capt. & Adj. R.E.,
 for C.R.E., 42nd Division.
O.C. 3rd A.T. Coy. Noted
A. Cawmugh
6-1-18

H.Q.
42ND (E.L.) DIVISION.
R.E.
No. 24/176
Date 4/1/1918.

N

APPENDIX 5



Appendix 5.

SECRET AND URGENT.

230th BRIGADE, R. F. A.
No. S.W. 17:
Date:

TO,
O.C. Australian Tunnelling Coy.
St. Elie Sector.

It has been suggested as a protection to Trench Mortar Emplacements in the Tunnel in case of Hostile attack that STRONG and HEAVY DOORS opening only from the tunnel should be erected in the entrance to each Trench Mortar Emplacement.

Capt. & Adjt.
St. Elie Group, 48th. D.A.

4/1/18.

NB.

Appendix 6.

Camp Commandant.

CC - 8a - 6.

O.C., 3rd Australian Tunnelling Coy.

Please note for your future guidance that you are administered by the 3rd Canadian Division, so will you please pass all communications direct to them and not through this office.

2-1-18.

W. H. Miller
Lieut-Colonel,
Camp Commandant,
O.C., Canadian Corps Troops.

Appendix 6.

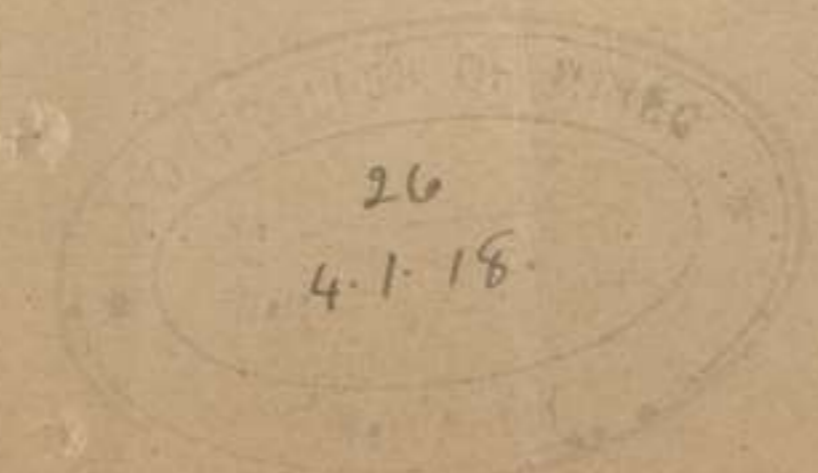
The Controller of Mines
1st Army.

Ref. attached.

Hitherto we have been administered by either the Corps Camp Commandant or the C.R.C. Corps Troops.

Am I to regard the attached as an instruction that this unit will now come under the 3rd Canadian Division for administration, please.

3/1/18. *Alex. Sanderson*
Major.
O.C. 3rd Aust. Tunn. Coy.



Appendix 6.

cm. 171.

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O.C.
3rd Australian T. Coy

Yes. This has been arranged between I & Canadian Corps.

4/1/18

R. Stokes
at work
C. J. P. H. S.

APPENDIX

6/6

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APPENDIX

7^{17.}

Appendix 7.

Copy:

O.C.,

3rd Australian Tunnelling Company/

I beg to report that at 5 a.m., on 1/1/18, a party of about 20 of the enemy entered our trenches under a heavy barrage, at a point opposite what is known as "No.1 Post" (Southern tunnel exit). The N.C.O., in charge of the post withdrew his men to the bottom of the incline and manned the loop-hole in the traverse with a Lewis gun. The enemy was thus prevented from entering the tunnel system, and after throwing down a few bombs, which did no harm, withdrew, leaving two large unexploded mobile charges, one in the tunnel near the exit, and one on the parapet. These charges were removed by 466 Coy.R.E.

The Map Reference of above post is:-
36 C. N.W.3 H.13.c.90.70.

(Sd) Reg. Y. Langdon

Captain, O.C. No.1 Section,
3rd Australian Tunnelling Company.

2/1/18.

M.B.

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5th C.M.R. Battalion.

26.

Headquarters,
8th Canadian Infantry Brigade.

I beg to call you attention to the fact that the Tunnellers who are working on the entrances of the Tunnel in HYTHE ALLEY are piling the excavated chalk on the top around the mouths of the entrances they are working at. When the snow leaves, this will show up very plainly to the enemy and give away the fact that we are tunnelling there.

As this is the only communication trench we have to our left front, could steps be taken please to have the tunnellers either dump the chalk in sandbags or carried as far away from the entrances as possible.

Sgd. F.D. Sneath, Major.
for O.C. 5th C.M.R. Battalion.
5-1-18.

- 2 -

8th Canadian Infantry Brigade.

G.4/052

3rd Australian Tunnelling Coy.

With reference to Minute 1, will you please look into this matter and see what can be arranged.

Trimmer

Major,
Brigade Major.
8th Canadian Infantry Brigade.

5-1-18

Capt. Morris - Please note the above. Spoil must not be dumped near the entrances and in any case it should not be piled but spread along the parapet well back from the trench

*Noted
A.M. 6/1/18.*

6/1/18.

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

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3rd Canadian Division.
G.820.

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

1. Commencing Wednesday, January 9th, the ^{7th and 8th} 8th Canadian Inf.Bde. will supply 100 men daily with a proportion of Officers and N.C.Os. over and above this number, for work with the 3rd Australian Tunnelling Coy.
2. Brigades are at present supplying a certain number to the 3rd Australian Tunnelling Coy. for work, and if a Brigade is supplying a number less than 100, that number will have to be made up to 100.

NOTE:- In the case of the 9th Canadian Inf.Bde.,- which is supplying 111 daily,- no additional 22 men will be required.

3. Brigades can arrange at their own discretion to make these parties permanent, or have them supplied from the support Battalion. If supplied from the support Battalion it must be arranged that on relief days no more than two shifts are lost for this work, that is, the mid-day and afternoon shifts, the Battalion going into the line that night supplying the early morning shifts of the day of relief, and the Battalion coming out of the line supplying the early morning shift for the day after relief.
4. A representative from the 3rd Australian Tunnelling Coy., will call at each Brigade Headquarters on January 8th to make arrangements in connection with the distribution of work and working personnel.

P. Kelly
capt

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

7-1-18.

MB

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APPENDIX 10²⁰



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Appendix 10.



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

Herewith one book of Sugar Tickets No. P 176301 - 176400. Please acknowledge receipt. Further supplies will be issued to you in accordance with your leave allotment.

First Army, H.Q.,
7th Jan., 1918.

H.H. Hill
Controller of Mines,
First Army.

PI

356.

*Appendix II.*7th Canadian Infantry Brigade.B.M.S. 61/14.

R.C.R.

P.P.C.L.I.

42nd Battalion

49th Battalion

3rd Australian Tunnelling Coy. (for information)

Reference 7th Canadian Infantry Brigade B.M.S. 61/4

dated 27-12-17;

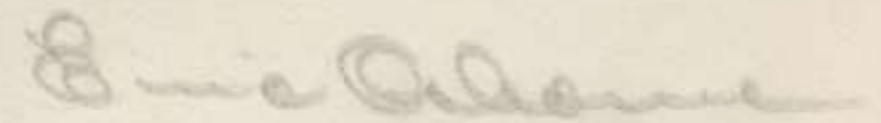
1. Each Battalion will det-11 11 Other Banks in addition to those already attached to the 3rd Australian Tunnelling Coy.

2. The party will work permanently for the Tunnelling Coy. until further orders, and will be rationed and accommodated by them.

3. Party will assemble on the 9th Inst. at Rear Hqrs. 7th Canadian Infantry Brigade, Billet 52 SAINS EN GONELLE, at 2 p.m., where they will be met by a guide from the 3rd Australian Tunnelling Coy.

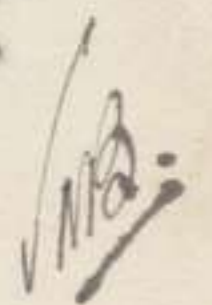
4. Blankets and 24 hours rations will be carried.

5. ACKNOWLEDGE.



Captain,
for Brigade Major,
7th Canadian Infantry Brigade.

8-1-18



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8th Canadian Infantry Brigade.
G.85/081.

1st, 2nd, 4th, 5th,
C.M.R. Battalions,
3rd Australian Tunnelling Coy. (for information)

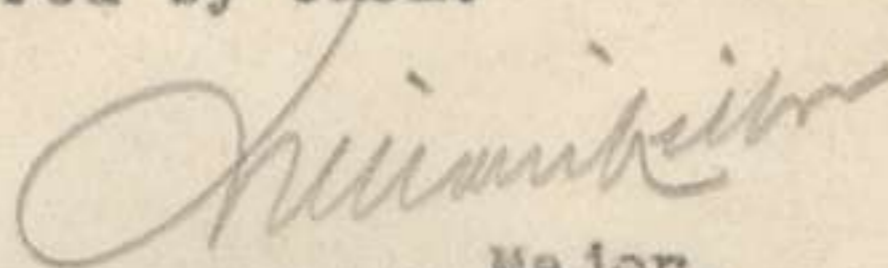
With reference to the three parties of 30 each, supplied to the 3rd Australian Tunnellers, by the Support Battalion, when reliefs take place, the following will be the procedure:-

The Support Battalion will furnish on day of relief, the 6 a.m. party.

The 2 p.m. party will be missed.

The Battalion coming into Support must furnish the 10 p.m. party without fail.

The outgoing Battalion will arrange to leave one guide for the incoming Battalion, if required by them.



Major,
Brigade Major,
8th Canadian Infantry Brigade.

8-1-18.



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SECRET

SECRET.

Copy No. 11

137th INFANTRY BRIGADE WARNING
ORDER No. 176.

9th January, 1918.

1. The 137th Infantry Brigade will be relieved by the 33rd Infantry Brigade, 11th Division. Relief will probably commence on the 16th January, 1918.
2. The personnel of Nos. 1 & 2 Platoons, Brigade Pioneer Company, Trench Wardens, and Battalion Pioneers working at NOBUX-les-MINES camp, will re-join their units on the 14th instant rationed for that date.
Orders will be issued later as to the relief of the men attached to the 3rd Australian Tunnelling Coy. R.E.
3. Attention is drawn to Appendix III, 46th Div. Trench Orders.
Great care will be taken to collect all tools into dumps before handing over.
Accurate Lists of Stores will be made, and dumps of R.E. Stores will be handed over full.
Particular attention will be paid during the last two days before relief to cleaning up the line generally, especially dugouts, tunnels, cook-houses, clearing out underneath trench-boards, and to minor repairs such as bomb and ammunition cupboards, gas blankets and doors, etc.
4. ACKNOWLEDGE.

C. S. J. Macock Leggett

9-1-18. Issued at 9 pm. Captain.
Brigade Major, 137th Infantry Brigade.

Copies to :-

- | | | | |
|------|------------------|-----|--------------------------|
| No.1 | Bde. Commander. | 7. | 137th T.M. Bty. |
| 2 | 3/5th S. Staffs. | 8. | C.R.E. 46th Div. |
| 3 | 1/6th S. Staffs. | 9. | 137th Pioneer Coy. |
| 4 | 1/5th N. Staffs. | 10. | 466th Fld. Coy. R.E. |
| 5 | 1/8th N. Staffs. | 11. | 3rd Aust. Tun. Coy. R.E. |
| 6 | 137th M.G. Coy. | 12. | Staff Captain. |

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Secret.

G.180/17.

11th Division.

1. The undermentioned O.R. are attached by Brigades to 3rd Australian Tunnelling Company :-

137th Inf. Bde. (HULLUCH Section) - 1 Sergeant.
2 L/Corporals.
27 men.

139th Inf. Bde. (ST.ELIE Section) - 1 Sergeant.
4 L/Corporals.
79 men.

2. Could you arrange to relieve the above special parties - your men to be sent direct to Headquarters 3rd Australian Tunnelling Company, L.25.d.8.4, on 16th January, carrying two days rations.

O.C., 3rd Australian Tunnelling Company will arrange for your men to relieve men of 46th Division in the line on 17th January and for the 46th Division men to be sent back to their units on 18th January.

3. 137th and 139th Brigades will inform O.C., 3rd Australian Tunnelling Company places to which their men are to be sent on 18th January.

4. In the case of 138th Brigade (CAMBRIN Section) Brigades are arranging reliefs direct with O.C., 170th Tunnelling Co.

G. Q. Sanderman Comd.

fr.

13/1/18.

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

Copy to - 3rd Australian Tunnelling Co. ✓
137th Infantry Brigade.
139th -do-
'Q'.

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SECRET.

Appendix 14.

25.

C.M. 334
First Army.

Chief Engineer,
FIRST ARMY.

Under your orders, I visited I Corps yesterday, with reference to the placing of demolition or blocking charges in the HULLUCH - ST.ELIE and MANNING Tunnels (in front of Reserve line), and to the question of responsibility for control and firing. The matter was discussed with the acting Corps Commander, B.G.G.S., and S.O.,R.E. The following points were brought forward:-

1. The necessity for giving authority for firing to the local command and the consequent difficulty of relying on the explosion of the mines in accordance with the broad tactical requirements.
2. The danger of their employment at a time and under circumstances rendering the consequent blocks of greater value to the enemy than ourselves.
3. The opportunities for clearing the enemy out of the galleries by miners, intimately acquainted with all conditions, having the enemy under every disadvantage.
4. The possible use of Machine Guns mounted on trucks in gallery fighting, proposed by 3rd Australian Tunnelling Coy.
5. The probable bad moral effect upon the Infantry fighting in the forward portions of the trench systems, conscious of mines that may possibly be fired behind them.

B.G.G.S. considered that the question of the retention of these charges should now be referred to the 11th Division for approval, before orders as to control and employment, if any, are introduced in Corps instructions. Corps Commander agreed.

Four mines are actually laid, but their withdrawal would be simple, leaving empty chambers of value in case the deliberate forming of blocks should be required at these particular points.

The whole question of rear tunnel defence, in case of enemy occupation of the front line, is likely to be brought forward again shortly, when G.O.C. 11th Division has had time to consider it. I will go into the question with 3rd Australian Tunnelling Company and put forward proposals to C.E. I Corps, as to the utilisation of the Tunnellers to best advantage and the provision of portable demolition charges to be in readiness for any deliberate operation.

First Army, H.Q.,
16th Jan., 1918.

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

Copy to :- C.E. I Corps.

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C. R. E.,	
38th (WELSH)	
DIVISION.	
No.	138/4
Date	

O.C. 3rd Australian Tunn. Coy.

With reference to the party of one Officer and 30 Other Ranks being temporarily attached for work under C.R.E., 38th Division arrangements have been made for this party to be attached for billeting and rations to the 2/7th Liverpool Battalion at PONT de NIEPPE.

Billets will be available on the 19th inst. and the party will be rationed from and including 20th inst.

17/1/18.

Geoff Morgan
 Captain, R.E. for
 C.R.E., 38th Division.

The party should report to HQ 2/7 Liverpool Batt. at Pont de Nieppe.

VB

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S E C R E T8th Canadian Infantry Brigade

G.80/181

4th and 5th
C.M.R. Battalions.

On the 19th inst. it is proposed to carry out a destructive shoot on the enemy front and support trenches on the HILL 70 Section, at an hour to be arranged later.

The hour will be notified to all concerned as so many minutes plus or minus 7-00 a.m. January 19th.

The shoot will be carried out by Medium and Heavy T.Ms. with the co-operation of Stokes mortars and 18-pdrs. and 4-5's.

The attached Table gives the localities being bombarded. Os.C. Battalions will make any necessary arrangements for clearing trenches during the shoot. On conclusion of shoot, posts cleared will be immediately re-established. The first two 10 minutes period will be fired continuously, but there will be an interval of 50 minutes between the 2nd and 3rd 10 minute periods.

Completion of the shoot will be wired to Bns. using the code "BROWN". In the event of the shoot being cancelled, the code word "ASQUITH" will be used meaning shoot cancelled.

ACKNOWLEDGE.

L. J. Young *CM*
Major,
Brigade Major.
8th Canadian Infantry Brigade.

18-1-18

8th Canadian Infantry Brigade.

*2nd Australian
Lumley Coy (For information)*

*acknowledged
18-1-18
APC*

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APPENDIX 16²⁸



Appendix

"C" Form
MESSAGES AND SIGNALS. No. of Message.....

Army Form C. 2123
(In books of 100.)

Prefix.....	Code.....	Words.....	Received Am 18	Sent, or sent out	Office Stamp
Charges to collect			From.....	At..... m.	
Service Instructions.			By.....	To.....	
Handed in at.....			Office.....	Received..... m.	
TO <i>2nd Australian Tunnelling Coy</i>					
*Sender's Number <i>Bom 296</i>		Day of Month <i>18</i>		In reply to Number AAA	
<i>Ref our 280/181 this date</i>					
<i>and plus sixty</i>					
FROM <i>Regal</i>					
PLACE & TIME <i>7 pm</i>					

* This line should be erased if not required.
(B 6188) Wt. w. 7496-M857 250,000 Pads. 1/17 H & S (E489.) Forms/C.2123/3.

T A B L E

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Ref. Map HILL 70
Scale 1/10,000.

MORTAR	CAL.	LOCATION	PERIOD 1		PERIOD 2		PERIOD 3		Rates of Fire.
			0 to 0 + 10	+ 10 to + 20	+ 20 to + 30				
1	6"	N.8.a.00.50.	Trench to	N.8.b.80.45. N.9.a.20.45.	Trench to	N.9.a.20.45. N.9.a.20.60.	Trench to	N.9.a.20.60. N.8.b.90.70.	35 rounds to
3	6"	N.2.a.61.61.	Trench to	N.3.c.10.40. N.3.c.00.70.	Trench to	N.3.c.00.70. N.2.d.95.85.	Trench to	N.2.d.95.85. N.2.b.87.00.	be expended
4	6"	N.2.a.65.65.	Trench to	N.2.b.70.40. N.3.a.00.42.	Trench to	N.3.a.00.42. N.2.b.87.05.	Trench to	N.2.b.87.05. N.2.b.70.22.	during 30
5	6"	H.31.d.55.28.	Trench to	H.32.d.82.80. H.33.c.00.70.	Trench to	H.33.c.00.70. H.33.c.35.90.	Trench to	H.33.c.10.79. H.33.a.12.00.	minutes.
6	6"	H.32.c.10.85.	Trench to	H.32.b.65.10. H.32.b.92.25.	Trench to	H.32.b.92.25. H.33.a.00.15.	Trench to	H.33.a.00.15. H.33.a.12.00.	
8	6"	H.31.b.69.38.	Trench to	H.26.d.30.15. H.26.d.50.15.	Trench to	H.26.d.50.15. H.32.b.42.93.	Trench to	H.32.b.42.93. H.32.b.15.95.	
9	6"	H.31.b.08.65.	Trench to	H.25.d.75.90. H.25.b.95.05.	Trench to	H.25.b.95.05. H.26.a.25.00.	Trench to	H.26.a.25.00. H.26.c.15.85.	
1	9.45"	N.7.b.60.50.	Dugouts along Railway: from N.3.d.3.5. to N.3.b.80.30.						Searching fire
3	9.45"	H.31.b.35.50.	Track and Road at Ferme des Mines de LENS H.33.a.						Searching fire

Note: 50 Minutes pause between Period 2 and 3

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Canadian Corps.
C.E. 12/4.

O.C., 1st Tunnelling Coy. C.E.
O.C., 3rd Australian Tunnelling Coy.

(a) The standard Mining Set which has been cut for use in this Corps is composed of the following pieces :-

- 2 pieces 6' 2" long.
- 2 " 3' 6" "
- Spreaders of 1" material and 3' long attached to sills ^{and} caps.
- These sets are constructed out of 2 1/2" x 8" material.

(b) For Vertical Shafts it is proposed to adopt a standard as follows :-

- 2 pieces 4' 8" long.
- 2 pieces 3' 6" long.
- Spreaders on ends to be of 1" material 3' long.

(c) For Inclined Shafts it is proposed to adopt a standard as follows :-

- 2 pieces 5' 4" long.
- 2 pieces 3' 6" long.
- Spreaders to be of 1" material, 3' long on caps and sills.

It is not intended to change the size of (a), but I would be pleased to know if the sizes of (b) and (c) will be satisfactory..

[Signature] Major,
for C.E., Canadian Corps.

19-1-18.

Copy

The Chief Engineer
Canadian Corps.

Replying to your C.E. 12/4 of 19.1.18.
The standards proposed will be quite satisfactory.

Alex Sanderson
25/1/18.
3rd Aust. Tunn. Coy.

O.C. No 2 Section
O.C. No 3

To note & return H.W.B.
A.G.M.

Please make a note of the above standards which will be adopted, except in Special Cases, such as the main tunnels of Infantry Subways.
20.1.18 Alex Sanderson

O.C. 3rd Australian Tunnelling Company.

Noted as directed

[Signature]

21-1-18

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31.

APPENDIX 18

Appendix 18.

8th Canadian Infantry Brigade.
G.85/193

- 2nd C.M.R. Battalion.
- 2nd C.I. Bde.
- 8th Cdn. Inf. Bn.
- 5th Cdn. Inf. Bn.
- Med. T.M. Battery,
- 3rd Australian Tunnellers)

} For information

Enclosed is working party table for the 8th and 5th Cdn. Battalions, which please turn over to the 8th Cdn. Battalion. The 8th Cdn. Bn. will also turn this over to the 5th Cdn. Battalion.

The 2nd C.M.R. Battalion will carry out the Tunnellers party at 3 p.m. 30th Inst.

The 2nd C.M.R. Bn. will provide one guide for the 8th Bn. for the Tunnellers parties and the 8th Bn. will provide one guide for the 5th Bn. parties, for first trip only.

[Handwritten Signature]
 Major,
 Brigade Major,
 8th Canadian Infantry Brigade.

19-1-18.

WORKING PARTY TABLE.

to be supplied by 8th Cdn.Bn. Night 20/21st and Day 21st Inst. & by 5th Cdn.Bn. Night 21st and Day 22nd.

<u>Party</u>	<u>Unit</u>	<u>Date</u>	<u>No. of men</u>	<u>Time to report.</u>	<u>Rendezvous</u>	<u>Report to</u>	<u>Work at</u>
1	8th Cdn.Bn.	20th	35	10 p.m.	Junct. of NETLEY & CATAPULT (N.1.b.9.9.)	Representative 3rd Australian Tunnelling Coy.	Spoil parties
2	do	21st	35	6 a.m.	do	do	do
3	do	21st	35	2 p.m.	do	do	do
4	5th Cdn.Bn.	21st	35	10 p.m.	do	do	do
5	do	22nd	35	6 a.m.	do	do	do
6	do	22nd	35	2 p.m.	do	do	do
7	do	22nd	35	10 p.m.	do	do	do
8	8th Cdn.Bn.	21st	20	8 a.m.	North Dump H.31.b.1.6.	Representative Med.T.M.Battery	Carrying T.M.Bombs.
9	do	21st	20	8 a.m.	South Dump H.31.d.0.5.	do	do
10	5th Cdn.Bn.	21st	20	8 a.m.	North Dump	do	do
11	do	21st	20	8 a.m.	South Dump	do	do

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APPENDIX

18

32.

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SECRET

Appendix 1.9 33
13
Copy No. 13

139th INFANTRY BRIGADE ORDER No. - 154.

Ref :- BETHUNE Combined sheet, 1/40,000.

January 19th, 1917.

1. 139th Infantry Brigade Orders Nos. 153 & 153(A) are cancelled.
2. The 139th Infantry Brigade will be relieved in the ST. ELIE SECTOR by the 34th Infantry Brigade (11th Division) - Relief to commence on 21st instant and be complete by the 23rd instant.
3. Movements will take place in accordance with attached "Movement Table".
Completion of moves will be reported daily to Brigade H.Qrs by wiring the serial number.
4. For the relief of the front line Battalions the following trenches and tracks will be available :-

For Battalion reliefs in RIGHT SUBSECTOR -
CHAPEL & CURLEY TRACK & CHAPEL ALLEY.

For Battalion reliefs in LEFT SUBSECTOR -
RIBER TRACK & STANSFIELD ROAD.

No movement of troops East of PHILOSOPHE will take place before 4.45 p.m.
All other details of relief and arrangements for guides, etc., to be arranged between C.Os concerned.
5. Trench Wardens and Brigade Wiring Party (less those of the 8th Battalion S.Foresters) will join their units on evening of 21st instant, under orders to be issued by O.C., 465 Field Company R.E; men belonging to 8th Battalion S.Foresters will join and march to new area with 7th Battalion S.Foresters.
6. Tunnel Wardens and Spoil Parties attached to 3rd Australian Tunnelling Company will rejoin their units in the new area on 21st instant in accordance with original arrangements.
7. Billeting Parties in charge of an Officer will report to Town Majors concerned by 10 a.m., on the day of the move.
8. All Defence Schemes, Aeroplane Photos, Secret Trench Maps, Trench Stores and Gun Boots will be handed over.
All copies of receipts on handing over will be sent to Brigade Headquarters by 6 p.m., 24th instant.
9. Brigade H.Qrs will close at PHILOSOPHE on completion of Infantry front line reliefs on night 22/23rd January when command of the ST. ELIE SECTOR will pass to G.O.C., 34th Infantry Brigade.
Brigade Headquarters will open at BURBURE on arrival.
10. ACKNOWLEDGE.

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

Distribution over.

[Handwritten notes in blue ink: "with Major", "20.1.17"]

34. 19
APPENDIX

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Issued at 2pm to :-

- Copy No. 1. 46th Division.
2. 34th Infantry Brigade.
3. 137th Infantry Brigade.
4. 138th Infantry Brigade.
5. 5th Battalion Sherwood Foresters
6. 6th Battalion Sherwood Foresters
7. 7th Battalion Sherwood Foresters
8. 8th Battalion Sherwood Foresters
9. 139 M.G. Company.
10. 139 T.M. Battery.
11. ST. ELIE GROUP R.A.
12. 465 Field Company R.E.
13. 3rd Australian Tunnelling Company. ✓
14. Staff Captain.
15. 1/1st N.M.F. Amb.
16. 139 Brigade School.
17. Brigade Transport Officer.
18. Brigade Supply Officer.
19. 454 Company A.S.C.
20. Brigade Signal Officer.
21. Town Major, BURBURE.
22. Town Major, LAPUGNOY.
23. Sub-area Commandant, LABOURSE.
24. Town Major, NOEUX LES MINES.
25. A.P.M., 46th Division.

MOVEMENT TABLE TO ACCOMPANY 139th INFANTRY BRIGADE ORDER No. 154.

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Serial No.	DATE	UNIT.	FROM	TO	REMARKS.
1.	JANY. 21	8th Sherwood Foresters.	VERQUIN	BURBURE	On relief by 11th Manchester Regt. Take over billets vacated by 5th Dorset Regt.
2	21	6th Sherwood Foresters.	PHILOSOPHE & TRENCHES.	NOEUX	On relief by 9th Lanc.Fus. Billets in NOEUX to be allotted by Town Major.
3	22	8th Sherwood Foresters.	NOEUX	LAPUGNOY.	NOEUX to be clear by Noon; take over billets vacated by 9th Lanc.Fusiliers.
4.	22/23.	5th Sherwood Foresters.	TRENCHES (Rt.Subsector)	SAILLY LABOURSE.	On relief by 9th Lanc.Fusiliers Billets in LABOURSE to be allotted by Town Major.
5.	22/23.	7th Sherwood Foresters.	TRENCHES (Left Subsector)	NOEUX.	On relief by 11th Manchester Regt. Take over billets vacated by 6th Battn.S.Foresters.
6.	22/23.	139 T.M. Btty.	TRENCHES	NOEUX	On relief by 34th T. Battery. Billets in NOEUX to be allotted by Town Major.
7.	22/23.	139 Inf.Bde. Headquarters.	PHILOSOPHE	BURBURE.	On relief by 34th Inf. Bde.Headquarters.
8.	23.	5th Sherwood Foresters.	SAILLY LABOURSE.	LAPUGNOY.	SAILLY LABOURSE to be clear by 12 Noon
9.	23.	7th Sherwood Foresters.	NOEUX	BURBURE	NOEUX to be clear by 11 a.m.
10-	23.	139 T.M. Batt-ery.	NOEUX	BURBURE	To leave NOEUX after 7th Battalion S.Foresters
11.	23.	139 M.Gun Company.	TRENCHES	CENSELLE LA VALLEE	On relief by 34th M.G.Company.
12.	23.	139 Brigade Schools.	VERQUIGNEUL	HURIONVILLE	

NOTE :- Attention is directed to A.R.O. 2125 dated 27/11/17.

Appendix 19.

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Appendix 20

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21/1/18

To: Engineering Officer
3rd Coy
C.E.

Would you kindly let me know if there is any work being carried on at Tasse No 2 Lieren, as there appears to be mining activity under M 14-d 20-70.

W. Morrison Lt.
for O.C. 3rd Air Wing

P.S. Work seems to have been going on for the past 24 hours, as noise is quite audible.

MAP REF.
1/10,000-36°SW1



URGENT

9:30 356
- P.M. -

[Appendix 20]

From O.C.
To: O.C.
3rd Aus. Tunneling Coy

The attached passed to you for information and necessary action
Please

J. Booth No
CAPT, R.E.
O/C 331st COY. ROAD TROOPS, R.E.

APPENDIX 210

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Appendix 20.

11

^{my}
From. O/C Detachment.
Levin

21-1-18
 HQ 331 ST
 ROAD CONSTRUCTION
 COMPANY,
 R.E.
 No. 9.30 PM,
 Date 21-1-18

Received

^{my}
To O/C.

331st Road Construction
Company. R.E.

The attached having been brought to my notice,
 was investigated by me. The sounds heard being
 very intermittent. I was unable to form any definite
 opinion as to their origin.
 For your information & necessary action
 Please.

S. W. Dowling R.E.
 O/C Detachment.

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Appendix 21. 38

G.230-9.

1st. Canadian Infantry Brigade,

January 21st. 1918.

3rd. Canadian Battalion.
 4th. Canadian Battalion.
 1st. Canadian Battalion.)
 2nd. Canadian Battalion.) For
 1st. Canadian Division.)
 3rd. Canadian Division.)
 9th. Cdn. Inf. Bde.) information.
 2nd. Cdn. Inf. Bde.)
 3rd. Australian Tunnelling Coy.)

1. The following parties will be attached to 3rd. Australian Tunnelling Coy. for work on the MASON'S HOUSE and HYTHE Tunnels. Reserve (3rd.Cdn.) Battalion. (From company in CITE ST EDOUARD)

3 officers and 102 other ranks (including proportion of N.C.Os) To work on MASON'S HOUSE Tunnel in shifts of 1 officer and 34 O.Rs. each.

Support (4th.Cdn.) Battalion.

48 O.R. to work on HYTHE Tunnel in 3 shifts of 16 O.Rs. each.

2. In each case shifts will be as follows:-

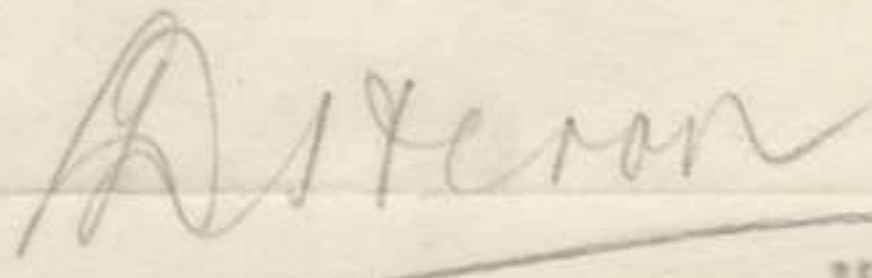
6.00 a.m. to 2.00 p.m.
 2.00 p.m. to 10.00 p.m.
 10.00 p.m. to 6.00 a.m.

3. Work will commence with the 10.00 p.m. shift on the 22nd. inst. This shift will rendezvous at Left Battalion Headquarters, N.7.b.6.1. at 9.00 p.m., 22nd. inst. and will be met by guides supplied by 3rd. Australian Tunnelling Coy.

Runners will be attached to the first shift in each case to reconnoitre the routes and act as guides to the 6.00 a.m. and 2.00 p.m. shifts on the 23rd. inst.

4. The work will continue until further notice. It is desirable that the parties should as far as possible be permanent; Battalions will therefore not make any change in the personnel of the parties without reference to Brigade Headquarters.

5. Please acknowledge.



Major,
 Brigade Major,
 1st. Canadian Infantry Brigade.



Canadian Corps.
C.E. 12/4.

Corps R.E. Park, COUPIGNY.
Corps Expense Store, MT. ST. ELOY.
No. 2 Forest Party.
1st. Tunnelling Coy. C.E.
3rd. Australian Tunnelling Coy. ✓
C.R.E., 1st Canadian Division.
C.R.E., 2nd Canadian Division.
C.R.E., 3rd Canadian Division.
C.R.E., 4th Canadian Division.
C.R.E., Corps Troops.

All previous correspondence reference sizes to be adopted as standards in Mining Frames, is hereby cancelled.

Only two sizes will be adopted, and are as follows :-

Type "A" - Standard Gallery Sets.

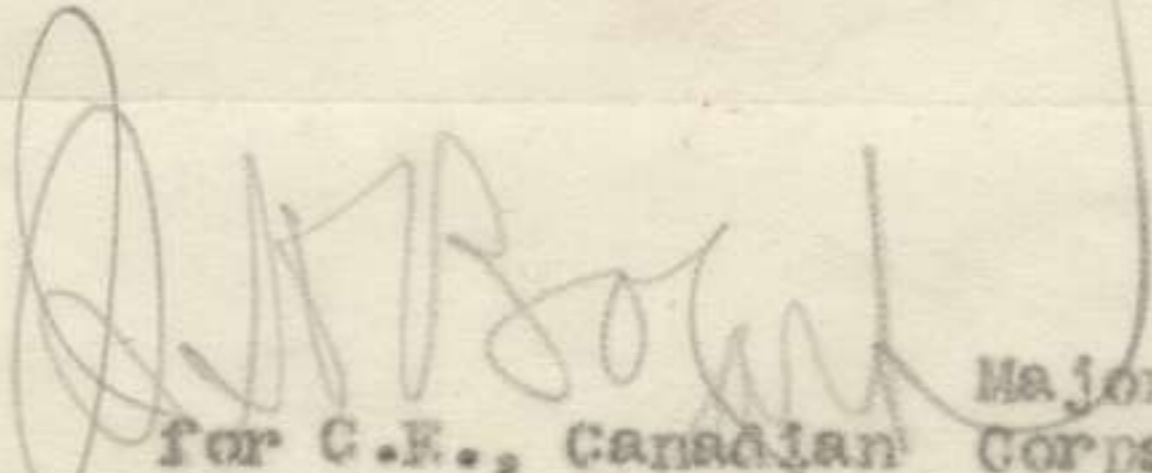
2 pieces 6' 2" long.
2 pieces 3' 6" long.
Spreaders of 1" material, 3' long,
attached to sills and caps.
Material to be 2½" x 8".
(These will also be supplied as Vertical Shaft Sets).

Type "B" - Special Incline Shaft Sets.

2 pieces to be 5' 4" long.
2 pieces to be 3' 6" long.
Spreaders to be of 1" material, 3'
long, attached to caps and sills.
Material to be 2½" x 8".
(These will only be supplied when specially ordered,
and are not as yet made a stock supply).

Until present stocks of the Standard Gallery Sets are reduced, the Standard Gallery Sets will be supplied for all purposes.

22-1-18.


Major,
for C.E., Canadian Corps.

MB.

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APPENDIX 23 40

MESSAGES AND SIGNALS.

No. of Message

Prefix Code m.	Words	Charge	This message is on a/o of: <i>Appendix 23</i>	Recd. at m.
Office of Origin and Service Instructions.	Sent			Service.
	At m.			From
	To		(Signature of "Franking Officer.")	By
	By			

TO { *3rd Australian Tunnelling Coy*

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

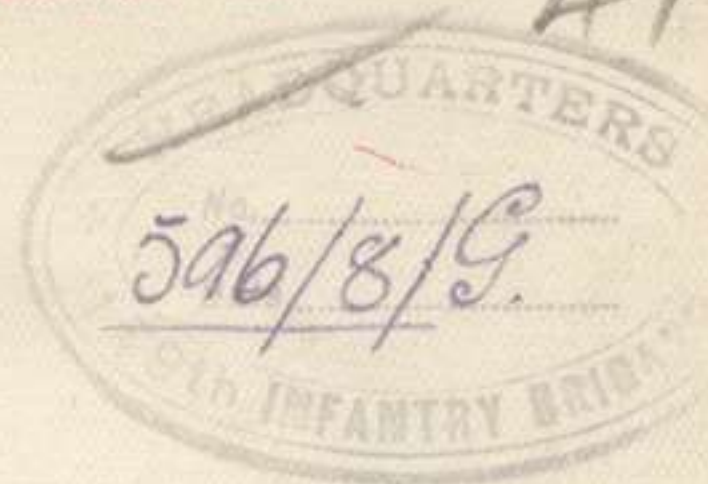
Herewith "Orders in case of an advance" for Left Brigade of the Division.
 Owing to the changes in the Sector Boukharis etc these orders require to be amended. but the general principle remains as stated therein.

[Signature]
 Capt
 A/Bacsbayos
 139 m Bd

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.
 W 2165-2509. H. W. & V., Ltd. 6/16.



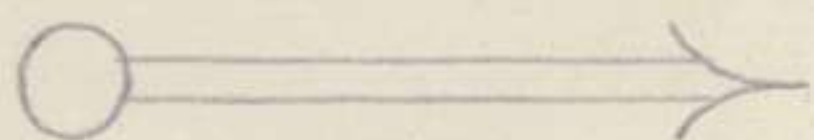
SECRET.

ARRANGEMENTS FOR AN ADVANCE.

1. Battalions will keep constant pressure by means of strong patrols, following up any retirement on their front.
2. If any trenches or positions are found to have been evacuated they should at once be occupied and information sent back immediately to Brigade Headquarters.
3. Should the retirement be confirmed the advance will be on a two Battalion front.
Northern Boundary as at present extended to junction of Tramway and Trench N.1.b.36.63. along tramway to N.2.a.64.50.
Southern Boundary will be GRENAY-LENS RAILWAY-N.13.e.6.9. then along Railway line which passes through FOSSE 1. and Puits 2. (exclusive to 139. Inf Bde.)
 Dividing line between Battalions - line E. and W. through N. 7. and 8 central.
 The leading Battalions will be covered by a number of patrols - passing through the cities which will be avoided by formed bodies as far as possible.
4. First objective will be the LENS-LA.BASSEE RD (N.1.d.2.5. - N.14.c.4.8). If this is obtained without severe opposition Battalions will advance to second objective - NUN'S ALLEY; with ultimate objective the Railway line from Cite St. Auguste to FOSSE 1.

5. R.E. reconnaissance parties will be attached at once to each Battalion in the line by 465 Field Coy. R.E.

Detachments of Australian R.E. will be attached to Battalions in the line to search for Mines and Traps, etc. left by the enemy. They will place Traffic Arrows to show streets that have been investigated and are considered safe for traffic. These Arrows will be shaped



PAINTED GREEN.

Red danger Boards with white lettering will be placed on roads and houses etc; where traps are suspected.

DANGER

- Each Battalion in the line will detail 1 N.C.O. and 20 men to be attached to the Australian R.E. for sentry duty.
6. The Support Battalions will move as ordered by Brigadier commanding the Brigade.
7. Officer commanding Machine Gun Company will attach 2 Guns to each Battalion and hold the 1st objective LENS-LA BASSEE RD with 8 guns and will move the remainder under orders from Brigadier General commanding.

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8. Officer Commanding 139 Trench Mortar Battery will detail two Guns to be at the disposal of each of the front Battalions, who will detail the necessary carrying parties. The remainder of the Battery will be collected and move forward as soon as Transport arrives.
9. Brigade Headquarters will move to the following points as the situation allows—present Right Battalion Headquarters M. 11. 6. 55. 45. —Hospital N. 7. c. 0. 7. where Report Centre will be established immediately the leading Battalions advance.
10. Communication by visual will be established as soon as possible after the advance begins.
11. To be handed over on Relief.

Appendix 24.
Hillyo.
Forward Bullets
22-1-18
2 p.m.

To Adjt
3rd Aus Tunn Coy.
Sir

I regret to report that
No²⁰ Russel has been badly wounded
and Sapper Barden killed in Kythe
Alley today. No²⁰ Russel was
taken to Metley R.A.P. and then
on to the dressing station at St Pierre

I will arrange for Sapper Barden's
body to be brought down and
sent in by G. S. Waggon if it comes
out tonight

J. Taylor Lt
O/c No³ Section

COPY.

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Sta 24a. APPENDIX 24.45

3rd Australian Tunnelling Company,
January 24th 1918.

Mrs H. Russel,
View Street, Cottesloe,
Western Australia.

Dear Mrs. Russel/

It is with very deep sympathy and regret that I have to write to tell you of the death of your gallant husband, Lieut. Hugh Russel M.C., who was severely wounded in Action in France on the 22nd inst. at 10.30 a.m. and died in No. 7 C.C.S. 14 hours later.

While engaged on some important survey work near the front line he was severely wounded by an enemy shell which fell and burst a few feet from him. He was immediately attended to and carried to a field Dressing Station from whence he was sent by Motor Ambulance to No. 7 Casualty Clearing Station.

The Medical Officer did all that was possible for him and he was quite conscious until midnight. Just before I left the hospital at about 11 p.m. he said "I am not feeling much pain, I expect I will pull through although I am very badly wounded". About an hour and a half later he quietly passed to join many of his brave Comrades. It was a very sad day for the 3rd Australian Tunnelling Company as he was loved by every man in the Unit. Always anxious to help in any duty, no matter how dangerous the task, he was admired by all who came in contact with him. A tower of strength to the Company and one of my most efficient officers.

For Devotion to Duty and conspicuous bravery during the performance of some very important reconnaissance work in action last year he was awarded the Military Cross by His Majesty the King, in the New Year's Honours List. No one ever better merited the award.

He had been wounded on three previous occasions and each time so narrowly escaped death that we all thought his was a charmed life.

Unfortunately, the end of the War seems still a long way off and many of us will probably meet the same fate as Hugh but we are all certain of the ultimate result and despite the loss of such fine comrades we are not down-hearted.

The Military conditions will not allow me to give you more information at present but I will later on send you additional particulars as to the location and a photograph of Hugh's grave.

He was buried in the presence of a very large number of officers and soldiers alongside the graves of over 50 of his comrades of this unit, in the Communal Cemetery of a fairly big town in Northern France. We will erect a Cross over the grave.

His personal effects will be sent on to you through the usual channels at A.I.F. Headquarters.

I shall be very grateful if you will kindly send, when you feel able to do so, a few particulars about Hugh's earlier History (some notes for a short early biography) and also, if possible, a photograph of him, preferably in military uniform, for inclusion in the Historical Records of this Company which will later be deposited in the Records Section of the Australian War Museum.

I have been requested by the officers of this Company to express to you and Miss Russel our deepest sympathy. We grieve that you have lost such a splendid husband and we are very brave and dear comrade, but there is some consolation in the thought that he proved himself a man, willing to die on the field of battle doing his duty sooner than be defeated by an enemy.

I pray that you will be sustained in your bereavement by the Honour which the Nation will show for such a man.

Yours very Sincerely,
(Sgd) Alex. Sanderson,
Major,

C.O., 3rd Australian Tunnelling Company.

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COPY.

CONFIDENTIAL.

817.24a.

APPENDIX 24

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Headquarters,
2nd Canadian Infantry Brigade,
August 17th 1917.

Officer Commanding,
3rd Australian Tunnelling Company.

I wish to call your attention to the most excellent work done by Lieutenant H. Russel of your Company during the operations against HILL 70.

Lieutenant Russel was in charge of the Investigation Party. On the completion of his work in connection with the dugouts as far as the RED Line, he made a special reconnaissance of the dugouts in the Chalk Quarry. This task he was asked to perform in daylight. As this area was under constant shell fire, he had great difficulty in getting to the scene of operations. However, he succeeded in doing this, bringing back an excellent report on the condition of the dugouts in the quarry.

I cannot speak too highly of Lieutenant Russel's work through the operations.

(Sgd) F.W. Loomis,
Brigadier-General,
Commanding 2nd. Canadian Infantry Brigade.

356 COPY.

3rd Australian Tunnelling Company,
A. I. F., France,
January 7th 1919.

Dear Mrs. Russel/

I have just received a letter from General Sir W.R. Birdwood K.C.B. etc., Commanding the A.I.F., in connection with a request for some particulars of the service for which your husband the late Lieut. H. Russel, M.C., was awarded the Military Cross.

I had not forgotten my promise of 24/1/18 to send you further information when military conditions would permit and would have done so ere now but for the fact that I have daily been expecting to receive a letter from you with the information for our records in regard to Lieut. Russel's earlier history.

I have on several occasions during the past year written to the Graves Registration Directorate requesting some photographs of the graves of members of this unit and have been informed that all the graves are being photographed and that the Next-of-Kin will receive photographs of them in due course. As a great deal of work is entailed it may be a long time before the prints are available, therefore, when the censorship regulations in regard to cameras were relaxed, I made arrangements to have the graves photographed by a local photographer. I expect to receive the prints in a few days when those of Lieut. Russel's grave will be forwarded to you.

At the time Lieut. Russel was wounded he was on HILL 70 near LENS making the preliminary survey for a tunnel which was afterwards constructed by the 3rd Australian Tunnelling Company through HILL 70. This work is known as HYTHE Tunnel. It is a mile and a half long with numerous lateral tunnels and exits to Machine Gun posts, accommodation for garrison, etc., and in the latter stages of our defensive campaign it formed the main defence of the famous HILL 70 position.

Lieut. Russel's war history is largely associated with the operations on HILL 70. A few months after he joined the unit we took over the underground protection of the front line on the HULLUCH-LOOS-MAROC Sector. This line traversed the western slope of HILL 70 which was the main enemy position opposite our front. The enemy was trying to force our troops further down the slope of the Hill by mining and at the time we commenced operations against him he was actually underneath and blowing portions of our front line on HILL 70. We had then some very stiff mine fighting for several months during which time Lieut. Russel was wounded on three occasions, twice nearly losing his life. However, we have it to our credit that before many months we had the enemy back under his own line and by July 1917 captured the whole of his HILL 70 mining system. This was largely due to the excellent work done by all the officers and men of this unit. Lieut. Russel did his share most splendidly.

In August 1917 the Canadians were ordered to capture HILL 70. This Company was ordered to supply a party for investigation for enemy mines and traps and for reconnaissance of dugouts etc., during the operations Lieut. Russel was placed in command of the party which consisted of 4 officers and 60 other ranks of this unit in addition to 40 attached infantry. The work was carried out bravely and excellently and was of very great value, the whole of the main HILL 70 position was then captured. During the operation Lieut. Russel personally carried out reconnaissances in the front line of the fighting and sometimes ahead of it. This gallant work was very highly commended and he was afterwards awarded the Military Cross in recognition of his bravery and the excellent work done on that occasion.

The

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The many important duties which he carried out were always well done and when the Unit's History is completed I hope to have recorded in detail the work with which he was connected..

I have extracted from this Unit's records personal History file of Lieut. Russel an original document which is enclosed herewith and have replaced it with a copy. I have done this as the original will be of greater value to you but I am anxious to make the records as complete as possible and shall be grateful if you will send me a few particulars as asked for in my letter of 24/1/18. If you have already done so they have not reached me.

Lieut. Russel's grave is in the Cemetery of HERSIN a town situated about six miles South of BETHUNE, Northern France. A cross has been erected over the grave.

I cannot think of any additional information to send you at the present moment. It is expected that we may be back in Australia in the near future when I hope to have the opportunity of personally telling you of the great assistance given to me as Commanding Officer of the 3rd Australian Tunnelling Company by your late gallant husband.

Yours sincerely,

(sd) Alex Sanderson.

Mrs. H. Russel,
View Street,
Cottesloe,
Western Australia.

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Headquarters,
2nd Canadian Infantry Brigade.
January 26th. 1918.

Headquarters,
5th C.I. Battalion (Western Cavalry)
7th C.I. Battalion (1st British Columbia)
3rd Australian Tunnelling Coy. R.E.

On being relieved by the 10th C.I. Battalion, the 7th C.I. Battalion will supply a permanent party of three officers and 150 O.R. to the 3rd Australian Tunnelling Coy. R.E., to be rationed and quartered by the Tunnellers, to report as follows:-

- (a) First Party. One officer and 50 men to report to the Tunnellers at 10 p.m. on the night of the 26th January.
- (b) Second Party. One officer and 50 men to report at six a.m. on the morning of 27th January.
- (c) Third Party. One officer and 50 men to report at two p.m. on the afternoon of the 27th instant.

The last party that the 5th C.I. Battalion will supply to the Tunnellers will be the two p.m. party on the afternoon of the 26th January. The 5th C.I. Battalion will arrange for guides to take the first party of the 7th C.I. Battalion to their work with the Tunnellers. The Tunnelling Officer will supply guides to take the Second and Third parties of the 7th C.I. Battalion to their places. The above parties will be relieved by the 3rd C.I. Brigade on a date to be notified later.

The 7th C.I. Battalion will also supply parties as ~~follows~~:- shown on attached table:-

ACKNOWLEDGE.



J. Machuzi
Major,
Brigade Major,
2nd Canadian Infantry Brigade.

V.M.

Appendix 25

WORK PARTY TABLE.

ISSUED WITH 2ND CANADIAN INFANTRY BRIGADE B.M. 323.

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<u>Party.</u>	<u>Unit.</u>	<u>Date.</u>	<u>No. of Men.</u>	<u>Time to Report.</u>	<u>Rendezvous.</u>	<u>Report To</u>	<u>Work at.</u>
1.	7th C.I. Bn.	Daily.	20	8 a.m.	North Dump H.31.b.1.6	Representative Med.T.M. Battery.	Carrying P.M. Bombs.
2.	ditto	do.	20	8 a.m.	South Dump H.31.d.0.5	do.	do.
3.	ditto.	do.	20	8 a.m.	North Dump	do.	do.
4.	ditto.	do.	20	8 a.m.	North Dump.	do.	do.
5.	ditto.	do.	25	9 a.m.	Crucifix Dump (K) (G.29.d.6.0)	Representative 2nd C.T.M. Battery.	Carrying 3" Stokes.

-+++++-----

APPENDIX 25

50.

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G.272-9.

1st Canadian Infantry Brigade.
January 25th, 1918.

- 1st Canadian Battalion.
- 2nd Canadian Battalion.
- 3rd Canadian Battalion.
- 4th Canadian Battalion.
- 3rd Aust. Tunnelling Coy.
- Staff Captain Q.

1. Reference 1st C.I.B. G.230-9 dated 21st January. The party of 3 Officers and 103 O.R's supplied from Company of 3rd Canadian Battalion in CITE ST. EDOUARD for work under 3rd Australian Tunnelling Coy. will cease work on completion of the shift ending at 10.00 p.m. tomorrow 26th and will remain in their present billets.

2. The following party will be attached to the 3rd Australian Tunnelling Coy. for the remainder of the period during which the Brigade is in the line:-

For work on CANTEEN TUNNEL.

- 1st Canadian Battalion - 1 Officer, 37 O.R's
- 2nd Canadian Battalion - 1 Officer, 37 O.R's.
- 3rd Canadian Battalion - 1 Officer, 26 O.R's.

Handwritten notes: P 40, 785

For work on HYPHE TUNNEL.

- 3rd Canadian Battalion - 11 O.R's. #
- 4th Canadian Battalion - 1 Officer, 37 O.R's.

To report to officer of 4th Canadian Battalion at rendezvous.

3. The parties detailed in para. 2 will rendezvous at R.E.DUMP N.7.c.15.95. at the following times tomorrow 26th inst.

- 1st Canadian Battalion 6.00 p.m.
- 2nd Canadian Battalion 6.10 p.m.
- 3rd Canadian Battalion (1 Off. 26 O.R's) 6.20 p.m.
- 3rd Canadian Battalion (11 O.R's) } 6.30 p.m.
- 4th Canadian Battalion }

Handwritten notes: M. Remous, 3rd Aust. Tunnelling Coy.

Guides from 3rd Australian Tunnelling Coy. will meet parties.

4. 3rd Australian Tunnelling Coy. will arrange billets and will ration parties for consumption on the 27th instant onwards. Parties will carry the unexpended portion of rations for 26th and the necessary cooking utensils.

5. Parties will work in three 8 hour shifts daily and will be sent out for rest, bath and change of clothing two days out of every eight.

Handwritten signature: R. H. H. H.

Major,
Brigade Major,
1st Canadian Infantry Brigade.

Handwritten note: Orders sent to Adv. Section Billet.

Handwritten initials: HWB.

Handwritten initials: H.B.

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Appendix 25 52

8th Lincoln R.
6th Border R.
7th S. Staff R.
9th Sh. Foresters.

33rd Inf. Bde No. 5/WP/95.

The Battalion in the Right Sub-section of the line will, in future, earmark 1 N.C.O and 12 men to work under No. 1 Section, 3rd Australian Tunnelling Coy on the new dugout for the Right Battalion H.Q.

They will be ready to start work at 4 hours notice.

The 3rd Australian Tunnelling Co. will communicate direct with the Right Battalion as to when the above party is required.

This party will not be available for work on the afternoon of an inter-battalion relief.

Further

25th January 1918.

Major.
Brigade Major.
33rd Infantry Brigade.

Copy to 3rd Australian Tunnelling Co for information.

MB

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APPENDIX

26⁵³

Appendix 26.

O.C. 170th Tunnelling Coy. R.E.
O.C. 3rd Australian Tunnelling Coy. R.E.

The infantry party (60 strong) at CAMBRIN now working with the 3rd Australian Tunnelling Coy. will be relieved by a similar party from the 127th Infantry Brigade on the 29th instant in time to allow one shift to commence work at 2 p.m.

This party will be further increased by an additional party of 25 other ranks for work with the 170th Tunnelling Coy. in order to commence the work of enlarging the dugout under THE MILL - this work will commence on the 30th instant.

O.C. 170th Tunnelling Coy. will please make arrangements direct with the O.C. Infantry working party in CAMBRIN on the afternoon of the 29th instant.

ACKNOWLEDGE.

H.Q., 42ND (E.L.) DIVISION, R.E.
No. 34/70 26/1/1918.

Robert Seal

Lieut. Colonel,
C.R.E., 42nd Division.

W.B.

Appendix 27

2881 A

O.C., 3rd Australian Tunnelling Coy.

Command post dug-outs are required at the following places:-

- (i) ANNEQUIN, behind and under Fosse. Map reference F.29.c.2.2. (about)
- (ii) LONE LOCALITY, behind VILLAGE LINE at HOWSONS POINT about G.23.a.2.7.
- (iii) RUTOIRE LOCALITY, off Chapel ALLEY about G.9.d.5.7.

These Command posts will eventually be enlarged to correspond to Battalion Headquarters, but until Mining personnel is available they should be two entrance dug-outs. Please let me know what day you can start and what infantry labour you will require on each.

(sp) H. G. Gordon
Brigadier General,
Chief Engineer, I Corps.

26.1.18.

Copy to:-
"G", I Corps.

[Handwritten initials]

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APPENDIX

27
54.

SECRET

125th Infantry Brigade Order No. 69.

Copy No. 8...

26/1/18.

ref. BETHUNE Combined Sheet, 1/40,000.
LA BASSEE Sheet, 1/10,000,

1. The 125th Infantry Brigade will relieve the 127th Inf. Brigade in the CANAL Sector on the 29th and 30th Instant, in accordance with the attached table "A".
2. All details of relief will be arranged between C.Os concerned.
3. All Trench stores, A.A. Lewis Gun positions, Defence Schemes, aeroplane photos, sketches, schemes of work in progress, proposed work, and working parties etc., will be taken over on relief. Lists of Trench stores taken over will be forwarded to the Staff Captain within 48 Hours of relief.
4. (1) Company Commanders, 1 Officer from 125th M.G. Coy, and 1 Officer from 125th T.M.B. will visit line on 27th Instant.
(2) Advance parties of 1 Officer per Company, 1 from Battalion H.Q., and 1 N.C.O. per platoon from all Battalions, less Reserve Battalion will proceed to line on 28th Instant, and remain until their Units come in. Guides for Company Commanders on 27th Instant, and advance parties on 28th Instant will meet at PONT FIXE, A.14.c. at 11-0 a.m.
5. (1) Attached Table "B" shows permanent working parties to be found by Battalions for work under 428th Field Company R.E. This table will come into operation at 9-0 a.m. 30th Instant.
(2) Party of 1 N.C.O. and 20 men to be found by 6th L.F. will report at 6-0 p.m. 28th Instant for work under R.E. KANTARA Dump F.3.c.5.2, and relieve similar party of 7th Manchester Regiment. ~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~. Rations for consumption 29th to be taken.
(3) Party of 1 Officer and 60 O.R. of 8th L.F. working under 3rd Australian Tunnelling Coy. at CAMBRIN will be relieved by similar party of 7th Manchester Regiment by 10/30 a.m. 29th Instant.
6. In the event of the 29th Instant being a very bright day reliefs will be postponed as shown in last Column of Table "A" attached, the code word "OBJECTION" being wired to all concerned.
7. Completion of relief to be reported to Brigade Headquarters by wiring the code word "ENSEMBLE".
8. Brigade Headquarters will close at VENDIN - les - BETHUNE at 9/30 a and reopen at CANAL HOUSE, F.10.d.9.9. at 11-0 a.m. 29th Instant. Command of CANAL SECTOR will pass to G.O.C. 125th Inf. Brigade on completion of Infantry relief.

9. ACKNOWLEDGE.

PBB Nichols
Captain.
A/Brigade Major.
125th Brigade.

ISSUED AT 8 AM THRO' SIGNALS

- | | |
|--|--------------------------------------|
| Copy No. 1. to 5th L.F. | Copy No. 19. to B'de Signal Officer. |
| " " 2. to 6th L.F. | " " 20. to Supply Officer. |
| " " 3. to 7th L.F. | " " 21. to B'de T.O. |
| " " 4. to 8th L.F. | " " 22. to Sub-Area Commandant, LCCW |
| " " 5. to 125th M.G. Coy. | " " 23. to " " BEUVRY. |
| " " 6. to 125th T.M.B. | " " 24. to Town Major, BETHUNE. |
| " " 7. to 429th Coy. A.S.C. | " " 25. W.D. |
| " " 8. to 3rd Australian Tunnelling Coy. | " " 26. W.D. |
| " " 9. to 170th Tunnelling Coy. | " " 27. F I L E. |
| " " 10. to 210th B'de R.F.A. | |
| " " 11. to 428th Fld Coy. R.E. | |
| " " 12. to 126th Inf. Brigade. | |
| " " 13. to 127th Inf. Brigade. | |
| " " 14. to 32nd Inf. Brigade. | |
| " " 15. to 42nd Division. | |
| " " 16. to do. do. | |
| " " 17. to C.R.E. 42nd Division. | |
| " " 18. to Staff Captain. | |

*acknowledged
27.1.18
RAC*

RELIEF TABLE ISSUED WITH 125TH INFANTRY BRIGADE ORDER NO. 69.

TABLE "A" 28/1/18.

Serial No.	Date.	UNIT.	From.	To.	ROUTE.	To Relieve.	Guides.	Remarks.
1.	29th.	5th L.F.	HINGETTE.	SUPPORT.	LE HAMEL-GORRE Southern CANAL BANK.	6th Manchester Regiment.	WESTMINSTER BRIDGE. F.18.a. 1.0 p.m.	If bright day guides meet 4/45 p.m. ³⁵⁶
2.	29th.	6th L.F.	FERME DU ROI.	RESERVE.	Southern CANAL BANK-Road leading from F.9.b.8.6.to LE PREOL.	7th Manchester Regiment.	Road junction F.10.c.5.2. 9/45 a.m.	To be clear of Drawbridge F.3.c.10/15 a.m.
3.	29th.	7th L.F.	BEUVRY	RIGHT FRONT.	ANNEQUIN.	8th Manchester Regiment.	CAMBRIN X Roads. F.20.c. 10/30 a.m.	If bright day guides meet 3/30 p.m.
4.	29th.	8th L.F.	OBLINGHEM.	LEFT FRONT.	BETHUNE RD E.5.c. 6.3. - E.11.b.4.9. Southern CANAL BANK.	5th Manchester Regiment.	WESTMINSTER BRIDGE. F.18.a. 11/30 a.m.	Not to pass Drawbridge F.3.c. before 10/15 a.m. If bright day guides meet 3/30 p.m.
5.	30th.	125 M.G.C.	ESSARS.		No restrictions.	127th M.G.C.		Relief to be complete by 2-0 p.m. All details to be arranged between C.Os concerned.
6.	29th.	125th T.M.B.	BEUVRY.		*	127th T.M.B.		Relief to be complete by 2-0 p.m. All details to be arranged between C.Os concerned.

NOTE. Distance of 200 yds will be maintained between platoons on the march.

Appendix 28.

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WORKING PARTY TABLE TO ACCOMPANY 125th INFANTRY BRIGADE ORDER NO. 69.

TABLE "B"

Serial No.	Number	To report		Nature of work.	Rations to be taken.	Time at which work will probably cease.	Found by.	
		Required:	Time.					Place.
1.	1	0. 28	9/15 a.m.	SPOIL BANK KEEP.	SPOIL BANK KEEP CONCRETE SHELTER.	YES.	4 p.m.	Support Battalion.
2.		21	9/0 a.m.	PONT FIXE RE DUMP.	No 1 Concrete Shelter OXFORD TERRACE.	YES.	4 p.m.	Reserve Battalion.
3.		21	9/0 a.m.	do.	No. 2 Concrete Shelter OXFORD TERRACE.	YES.	4 p.m.	do. do.
4.		26	9/15 a.m.	ORCHARD KEEP.	No. 4 Concrete shelter ORCHARD KEEP.	YES.	4 p.m.	Support Battalion.
5.		28	9/0 a.m.	Junction of LAWSON ST & HARLEY ST.	No. 5 Concrete shelter Buzzer Station A. 15. c. 6. 3.	YES.	4 p.m.	14 O.R. Left Front Bn. 14 O.R. Support Battn.
7.	1	14	9/30 a.m.	Junction of the Lane & HARYLEBONE.	No. 7 Concrete Shelter. P. B. III	YES.	4 p.m.	Support Battalion.
		14	5/30 p.m.	do.	do. A. 21. c. 8. 7.	NO.	11/30 p.m.	Support Battalion.
8.		14	9/30 a.m.	Junction of GRAFTON ST & HARYLEBONE.	No. 8. do. P. B. IV	YES.	4 p.m.	Support Battalion.
		14	5/30 p.m.	do.	No. 8. do. A. 21. c. 8. 7.	NO.	11/30 p.m.	Support Battalion.
9.		10	9/0 a.m.	PONT FIXE R.E. Dump.	TRENCH REPAIRS.	YES.	4 p.m.	Support Battalion.
10.		5	4-0 p.m.	do.	OFF LOADING TRANSPORT.	NO.	8 p.m.	Support Battalion.
11.	1	2 N.C.Os	9/30 a.m.	HARLEY ST R.E. Dump.	TRENCH REPAIRS.	YES.	4 p.m.	Support Battalion.
		20 men.	9/30 a.m.	HARLEY ST R.E. Dump.	TRENCH REPAIRS.	YES.	4 p.m.	Support Battalion.
12.	1	52	5/30 p.m.	do.	do. do.	NO.	10/30 p.m.	RESERVE BATTALION.
13.	1	50	5/30 p.m.	PONT FIXE R.E. Dump.	do. do.	NO.	10/30 p.m.	RESERVE BATTALION.
14.	2	50	6/0 p.m.	do.	do. do.	NO.	11 p.m.	RESERVE BATTALION.

NOTE. 1. Serial Nos 2 and 3 are cancelled as long as Serial numbers 12, 13, and 14 are found by RESERVE BATTALION.
 2. Reference Serial No 5 Left Front Battalion will not find these 14 O.R. at present.
 3. No tools are ~~to be taken~~ by any working party.
 4. All parties report to ^{an} Officer or N.C.O. of 428th Fld Coy R.E.

Appendix 28.

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S E C R E T .1st Canadian Division.
January 28th 1918.

Copy No... 23

1ST CANADIAN DIVISION.OPERATION ORDER NO. 230.

1. The 3rd Canadian Infantry Brigade will relieve the 2nd Canadian Infantry Brigade in the HILL 70 Section on the night Jan. 31st/ Feb. 1st.

Command will pass on completion of relief, which will be wired to Divisional Headquarters, using the Code Word "JOHN".

2. All Maps, Papers, Aeroplane Photographs and Instructions will be handed over to relieving Brigade.

3. Permanent Working Parties with the Tunnelling Company will be relieved before the afternoon shift on January 31st. All other Working Parties will be relieved by 8 p.m. January 31st.

4. On completion of relief 2nd Canadian Infantry Brigade will be in Divisional Reserve.

5. ACKNOWLEDGE.

[Signature]
Lieut-Colonel,
General Staff,
1st Canadian Division.

Issued through Signals.....

Copy No. 1 - 1st Cdn. Divl. Artillery.
2 - 1st Cdn. Inf. Bde.
3 - 2nd Cdn. Inf. Bde.
4 - 3rd Cdn. Inf. Bde.
5 - 1st Cdn. Divl. Engineers.
6 - 1st Cdn. Divl. Signal Co.
7 - 1st Cdn. Divl. Train.
8 - 107th Cdn. Bn. (Pioneers).
9 - D.M.G.C.
10 - A. and Q.
11 - A.D.M.S.
12 - A.P.M.
13 - Canadian Corps.
14 - Canadian Corps.
15 - 4th Canadian Division.
16 - 11th (British) Division.
17 - D.G.O.
18 - War Diary.
19 - War Diary.
20 - War Diary.
21 - General Staff.
22 - I.D.P.S., Canadian Corps.
23 - 3rd Australian Tunnelling Company. ✓
24 - 91st H.A.G.

OL 356

3rd Australian Tunnelling Co.

I should like to thank you for the excellent - Regimental Aid Post - which you have constructed for us at the top of STANSFIELD R^d trench (911230). This will be of the greatest use if we ever have to keep wounded there for any length of time, & we are now able to get them back from the front-line to the R.A.P. in absolute safety. Please convey my thanks to the officer who has supervised the work.

J Brindley Smith
 Lt Col
 a/a D.M.S. 40418

2/1/18



3/26
O.C., 3rd Australian Tunnelling Coy.

Appendix 32

Notified for your information, please that Lieut. W.W.GRAINGER, of your Unit, has this day been admitted to the I Corps Officers Rest Station, AIRE, suffering from "Debility".

You will be notified direct from this office as to his disposal.

3.1.1918.



J. W. Murray
Captain,
for D.D.M.S., I Corps.

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APPENDIX 33 62

Appendix 33

C.M. 186
First Army.

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

I regret that it will not be possible to send two officers on special leave from your company simultaneously.

I would be glad to recommend either of these officers for long leave and the other for 14 days leave, in France.

Also leave could only be granted to one place in the South of France (with privilege to break journey at Paris), - in the present case presumably Mentone.

Please let me know which officer you recommend first for long leave and the dates for both.

First Army, H.Q.,
5th Jan., 1918.

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

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Op. 33
A.M. 1/458. 63

CONFIDENTIAL.

Controller of Mines,
Advanced First Army/

Application is made for 30 days special leave from the 38th inst., for the undermentioned Section Commanders of this Company. They have served at the front for a period of 19 months and their efficiency would be increased by such a rest.

The following particulars are forwarded:-

	<u>Capt. R.Y. LANGDON</u> <u>O.C. No. 2 Section.</u>	<u>Capt. A.C. MORRIS</u> <u>O.C. No. 2 Section.</u>
(1) Period of continuous service	19 months	19 months.
(2) Date of last leave	28/10/17-6/11/17	19/9/17-29/9/17 <i>fine</i>
(3) Officer who would perform duties	Lt. W. GRAINGER M.C.	Lt. D'A. WENTWORTH. <i>Now!</i>
(4) Each of these officers are run down in health and in need of a long rest.		
(5) Their subsequent services are likely to be of more value after the rest.		

If the above leave is granted the officers desire to spend it in France, each as follows:-

ADDRESS.

BORDEAUX from 28/1/18 to 1/3/18 (5 days) Hotel de Bayonne, 6-10 Rue Martignac.

MARSEILLES from 2/2/18 to 5/2/18 (4 days) Grand Hotel 36/28 Rue Noailles.

MENTONE from ~~6/2/18~~ ^{21/2/18} to ~~23/2/18~~ ^{24/2/18} (18 days) Hotel Royal Westminster, Rue St. Michele.

PARIS from 24/2/18 to 26/2/18 (3 days) Elysee Palace Hotel, Avenue des Champs Elysees.

July 6

Alex Sanderson
Major,

1/1/18.

O.C., 3rd Australian Tunnelling Company.



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APPENDIX 33

64.

Ap. 33

A.M.1/499.

Controller of Mines,
Advanced First Army/

Application is made for 30 days special leave to South of France for Capt.R.Y.LANGDON O.C., No.1 Section of this Company. The health of this officer has not been good and his efficiency would be improved by such a rest.

The following particulars are forwarded:-

- (1) Period of continuous service 19 months.
- (2) Date of last leave 28/10/17 - 6/11/17
- (3) Officer who would perform duties during absence Lieut.W.W.GRAINGER M.C.
- (4) If granted, the leave would be spent at MENTONE, South of FRANCE from 21/1/18 - 20/2/18.
- (5) Address while on leave Hotel Royal Westminster
Rue St.Michele,
MENTONE, FRANCE.
- (6) Privilege of breaking the journey at PARIS is desired

L. Alex. Sudson

Major,

O.C., 3rd Australian Tunnelling Company.

8/1/18.

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APPENDIX

33⁶⁵

Op. 33

A.M.1/493.

Controller of Mines,
Advanced First Army/

Capt.A.C.MORRIS, O.C., No.3 Section of this
Company desires 14 days leave in France, for purpose
of rest.

I recommend that he be granted permission
to go to MENTONE, South of FRANCE from 31/1/18 to
4/3/18. The following particulars are forwarded:-

- (1) Period of continuous service 19 months.
- (2) Date of last leave 19/9/17 - 29/9/17.
- (3) Officer who would perform
duties during absence Lieut.D'A.WENTWORTH.
- (4) This officer is in need of a rest.
- (5) His efficiency is likely to be improved.
- (6) Address while on leave. Hotel Royal Westminster,
Rue ST.Michele,
MENTONE, FRANCE.
- (7) Privilege of breaking the journey at PARIS is
desired.

Sqn Alex. Anderson.

Major,

8/1/18.

O.C., 3rd Australian Tunnelling Company.

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Adjutant General's Branch of the Staff	
No.	
Date	
Headquarters 1st Army	

Controller of Mines.

First Army No. 943/2014.A./2 /1918.

Reference you C.M.491 dated 2nd.inst.

Leave of absence for 14 days as from 7th to 21st.Feb/18,
with permission to proceed to Mentone,
is approved for

Captain A.C.Morris, 3rd.Australian Tunnelling Coy.

Address :- Hotel Royal Westminster,
Rue St.Michele, Mentone.

On arrival and departure he must report in writing to the Headquarters,
British Base, Marseilles, in accordance with G.R.O. 1856.

He must be provided with a copy of this authority for leave, together with written
instructions as required by A.R.O. 590.

The above quoted orders and G.R.O. 1823 must be strictly complied with.

Headquarters,
First Army.

R.N. Guenwood
Capt S. C. G.

A.A.G., First Army.

O.C. 3rd Aust. T. Coy M.C.

Forwarded.



*1/11/18 H.H. Gull
Major M.C.
for C.O. 1st
First Army*

356

Adjutant General's Branch of the Staff
No. _____
Date _____
Headquarters 1st Army.

Controller of Mines.

First Army No. 943/ 3 / 2 / 1918.
C. 1022/499.

Reference your C.M. 490 dated 2nd. February 1918,
 Leave of absence for 30 days as from 7-2-18 to 9-3-1918,
 with permission to proceed to MENTONE,
 is approved for
 Captain R.Y. Langdon, 3rd. Australian Tunnelling Coy.

Address :- Hotel Royal Westminster,
 Rue St Michele, Mentone.

On arrival and departure he must report in writing to the Headquarters,
 British Base, Marseilles, in accordance with G.R.O. 1856.
 and A.F.W. 3105 duly completed,
 He must be provided with a copy of this authority for leave together with written
 instructions as required by A.R.O. 590.

The above quoted orders and G.R.O. 1823 must be strictly complied with.

Headquarters,
 First Army.

R. H. Greenwood

 Capt SCfu
 A.A.G., First Army.

Book of Names

Controller of Prices.

Price fixed by the Director 1918

Reference to C.E. 430 dated 2nd February 1918.

Amount of advance for 20 days in 1918 V-2-18 for 2-2-1918, with provision to be made to RECTOR.

in approved for

Address :- Local Hotel RECTOR, RECTOR, RECTOR.

On arrival and departure for RECTOR in RECTOR the RECTOR.

British Isles RECTOR in RECTOR with RECTOR 1918.

The RECTOR and RECTOR with a view of the RECTOR in RECTOR with RECTOR.

Instructions to RECTOR by A.H.O. 200.

The above quoted orders and RECTOR 1918 must be RECTOR and RECTOR.

Director
1918

[Handwritten signature]
Director

A.H.O. 200

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APPENDIX *Ap. 34* 68

AUSTRALIAN GENERAL BASE DEPOT.

GENERAL BASE DEPOT
No. <i>9/100/27</i>
Date

O. C.,
3rd Australian Tunnelling Coy.

II

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. Wilson
Cap

Commandant Australian General Base Depot. Lieut-Colonel,

Rouilles,
December 24th. 1917.

Ap. 34

A.M.1/395.

AUSTRALIAN GENERAL BASE DEPOT
No. <i>9/100/26</i>
Date

C.O.,
Australian General Base Depot/

I

re No. 358 Spr. PROCTOR H.R.

This soldier was admitted to 16th Field
Ambulance on 18/9/17 V.D. G. He was discharged to
Base Details from 39th General Hospital, HAVRE on
1/10/17. May I ask please if this soldier may be
returned with the next draft to this Company?

W. S. ...

Captain,

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

18/12/17.

W. S. ...

O. C.

Appendix 34

AUSTRALIAN GENERAL BASE DEPOT.	
No.	<i>C/101/57</i>
Date	

69

O.C., 353
3rd. Australian Tunnelling Company.

This sapper is being sent forward on the first draft moving out. His retention here seems to have been a misapprehension of the late Adjutant's, and is now before me for the first time.

M. J. McDonnell

Lieut-Colonel,
Commandant Australian General Base Depot.

Havre,
3-1-1918.

Ap. 34.

A.M. 1/445.

111

Commandant,
Australian General Base Depot/

re Your C/100/27 of 24/12/17.
Return of Sapper PROCTOR H.R.

I shall be glad if the abovenamed sapper, who belongs to this unit, is returned, please, pending consideration of his application, which has not been seen by me.

Alex Sanderson

Major,

29/12/17.

O.C., 3rd Australian Tunnelling Company.

O. 356

3rd. Aust. Tunnelling Coy.

I beg to report that at 8.0 am. 1-1-18,
 a party of about 20 of the enemy entered our
 trenches under a heavy barrage, at a point
 opposite what is known as "No 1. Post", (Southern
 tunnel exit). The N.C.O in charge of the Post
 withdrew his men to the bottom of the
 incline, & manned the loop-hole in the
 traverse with a Lewis gun. The enemy
 was thus prevented from entering the tunnel
 system, after throwing down a few bombs,
 which did no harm, withdrew, leaving
 two ^{large} unexploded mobile charges, one in
 the trench near the exit, & one on the
 parapet. These charges were removed by 466. Coy. R.E.
 The map reference of above post is 36. C. N. W. 3. H. 13. C. 20. 70.

K. H. Langdon. Capt.
 O.C. No 1 Section
 3rd Aust. Tunn. Coy.

3
1
18

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(COPY).

Appendix H.

SECRET.

C.R.E., 1st Corps,
S.306.

1. The following units were transferred to Canadian Corps for administration on 23rd December 1917:-

331st Road Construction Coy.
 3rd Australian Tunnelling Coy.
 Det.3rd Bn., Ox. & Bucks L.I.
 5th Canadian Div. Artillery.
 No.1 Coy., 5th Cdn. Div. Train.

3. First Army Siege Park ceased to be administered by 1st Corps from 30/12/17.

1st Corps H.Q.,
5/1/18.

(Sgd) J. Buckley, Captain,
D.A.Q.M.G., 1st Corps.

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ITRMS 356
S

A
A
B
C

S
malaya
Cebu

A
A
A

Genl. Mission Corps
CRE Corps Troop

ITDST First Army
Claims Office
SMTO.

"A" Corps Army Par
"A" Corps Supply Co
Camp Commandant

G

R.A.

C.E.

First Army "Q"
Canadian Corp

356

SECRET.C.M. 305.
First Army.C.E. XV Corps.

With reference to the party of 1 Officer and 30 Other Ranks being temporarily attached to you from 3rd Australian Tunnelling Company on 18.1.18 for tunnelling requirements near ARMENTIERES, I discussed the question of accomodation; timber requirements, etc., with C.R.E. 38th Division in accordance with your wishes.

The following arrangements were made provisionally:-

1. Party to be attached to some conveniently situated unit for accomodation, transport and rations. (Party will be without transport and about 20 miles from Coy.H.Q.).
2. C.R.E. will investigate and advise.
3. Work to be undertaken as follows :-
 - (a) Tunnel under Railway Embankment for 57th Div.Signals, reference your 1/1066 of 7.1.18, at 36NW.B.29.c.45.90.
 - (b) Double Mined Machine Gun Emplacement at B.24.c.25.65.
 - (c) Single or Double Mined Machine Gun Emplacement at B.23.d.95.80.
4. The Emplacements will be sited by C.R.E. 38th Division.
5. Officer of 3rd Aust.Tunng.Coy. will go over the ground on 16th or 17th inst with C.R.E. 38th Division and prepare estimate of timber requirements.
6. For initial gallery work, until survey made, 150 sets (9" x 3") 4'10" x 2'6" in the clear will be required, as shewn on attached sketch.
7. Details as to mining stores, such as picks, which detachment could bring with them or which should be obtained locally, to be arranged between C.R.E. and Tunnelling Company.
8. 3rd Australian Tunnelling Company will be responsible for the efficient execution of the work direct to C.R.E.
9. Working party required, - probably 80 men in all or 20 men available for continuous work. Same party till completion if possible.

First Army, H.Q.,
14th Jan., 1918.

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

Copy to :- C.R.E. 38th Division.

O.C. 3rd Aust.Tunng.Coy. ✓



100. 250 1000 1000
 100. 250 1000 1000
 100. 250 1000 1000
 100. 250 1000 1000

Handwritten signature or initials

1. The following information is for your information...
 2. The following information is for your information...
 3. The following information is for your information...
 4. The following information is for your information...

1. The following information is for your information...
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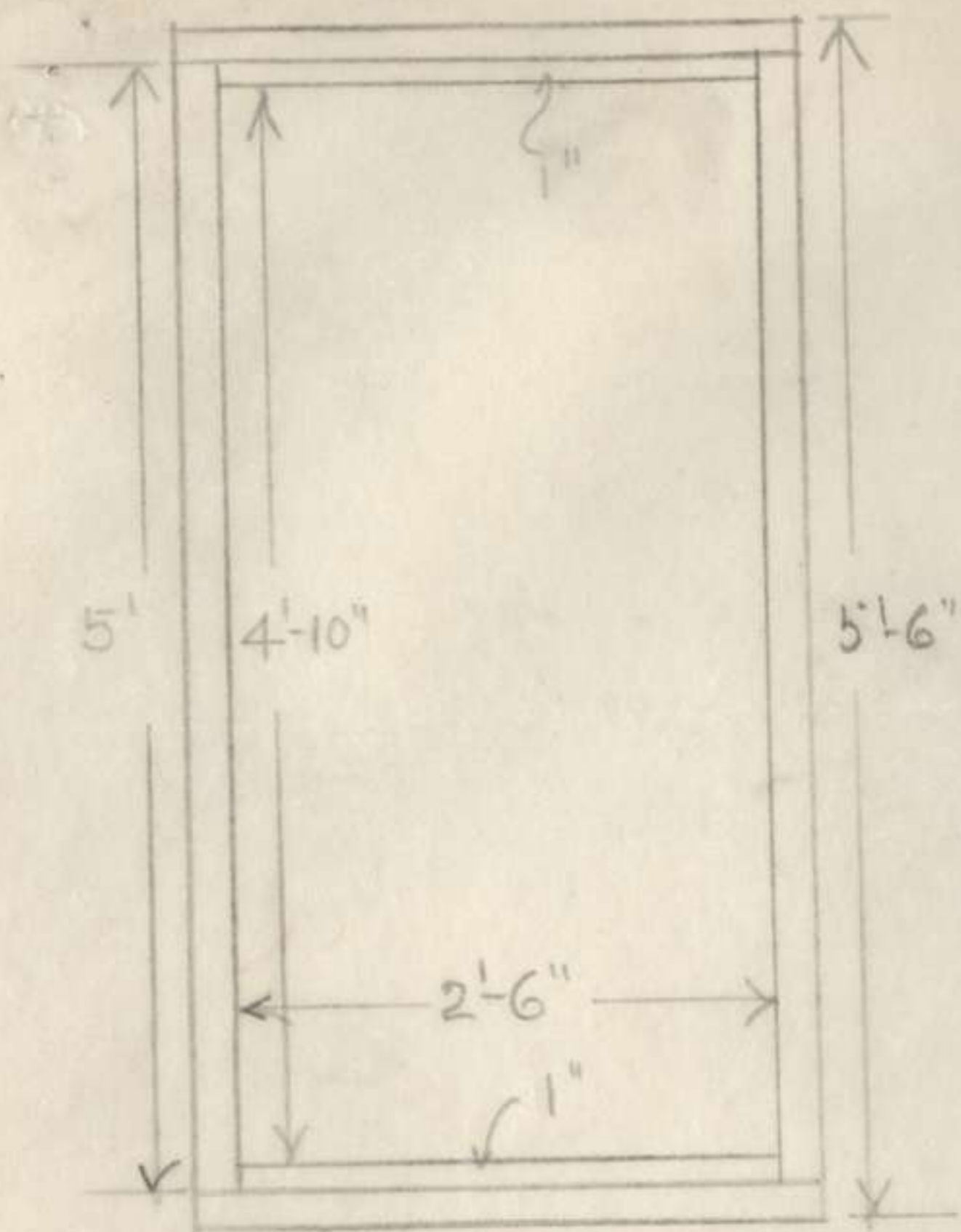
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100. 250 1000 1000

Not to Scale

Ap. 37.



Sets in 9"x3", with 1" distance pieces

4'-10" x 2'-6" in the clear

(5'-6" x 3'-0" excavation)



Appendix 38.

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Mines First Army.

9/60. 14/1.

Reference conversation your party can be attached as proposed and Infantry party, will be available AAA please let me have a few days notice of date of ~~party~~ date party will move so that details may be arranged AAA

C.R.E. 38th Division.

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

C.M. 307
First Army.

Above copy of wire for your information, further to my C.M.305 of 14.1.18.

First Army, H.Q.,
15th Jan., 1918.

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

*Cel Kilsall
Merrivale*

APPENDIX 37 + 38 73.

356
SECRET.

APPENDIX 39-40 74
No. G. 1116.

Officer Commanding,

3rd Australian Tunnelling Company R.E. ✓
5th Sherwood Foresters. }
6th Sherwood Foresters. } For information.
7th Sherwood Foresters. }
8th Sherwood Foresters. }
Brigade Wiring Party. }

Reference 139th Infantry Brigade Order No. 153 para 6.

Men attached to 3rd Australian Tunnelling Company R.E. will rejoin their Units in the BURBURE Area on the 18th inst.

Lt. SUTTON, 8th Battalion Sherwood Foresters (attached Brigade Wiring Party) will be at 3rd Australian Tunnelling Company headquarters L.25.d.8.4. at 9 am. on 18th inst. to take over these men.

On arrival in the new Area he will hand them over to their respective Units.

Battalions will be located in the new Area as under -

5th & 6th Sherwood Foresters. LAPUGNOY.
7th & 8th " " BURBURE.

[Signature]
Captain.

Brigade Major, 139th Infantry Brigade.

14.1.18.

Appendix 40

SECRET

Officer Commanding,
1/5th South Staffs Regt.
1/6th South Staffs Regt.
1/5th North Staffs Regt.
1/6th North Staffs Regt.

137th Bde: C/303.
=====

para. 2. Reference 137th Bde. Warning Order No. 176,

Personnel attached to the 3rd Australian Tunnelling Company, R.E., will be relieved in the line on the 17th instant, and will return to their units on the 18th instant.

[Signature]

14-1-18.

Brigade Major, 137th Infantry Brigade. Captain.

Copy to :- O.C. 3rd Australian Tunn. Coy. R.E.

SECRET.33rd Infantry Brigade No. 5/WP/37.

6th Lincoln R.
 6th Border R.
 7th S. Staff R.
 9th Sh:Foresters.
 137th Inf: Bde:
 3rd Australian Tunnelling Co.) for information.

1. Units will send parties as below to H.Q., 3rd Australian Tunnelling Coy, L.25.d.8.4., Sheet 38.b.N.E. tomorrow, 16th inst., to report there by 11.a.m.

The unconsumed portion of the days rations and also rations for the 17th and 18th insts., will be carried, after which the parties will be rationed by the Australian Tunnelling Coy.-

6th Lincoln R.	1 Sgt.	& 7 men.
6th Border R.	1 L/Cpl.	7 men.
9th Sh:Foresters.	1 "	7 men.
7th S. Staff R.		6 men.

2. These men are to act as "Tunnel wardens" over the tunnels in the left sub-section, and for removing spoil.

[Signature]
 Major,
 Brigade Major.
 33rd Infantry Brigade,


15th January, 1918.

JB/GL
AM37A.I.F. ADMINISTRATIVE HEADQUARTERS,
WESTMINSTER, LONDON, S.W. 1.TELEGRAPHIC ADDRESS:
"ADMINAUST, LONDON."CABLE ADDRESS:
"STRALIS, LONDON."TELEPHONE:
VICTORIA 88 60 (10 LINES).

IN REPLY PLEASE QUOTE

14Ar.....
97808

.....16th January.....1918.

Officer Commanding,
No. 3 Aust. Tunnelling Coy,
B.E.F. FRANCE.No. 1176 Cpl STREET, L.A. 3rd Tun. Coy.Your A.M. 1/498 of 10th inst., together with Distinguished
Conduct Medal and Mine Rescue Certificate for the above-named N.C.O.
received.
for Officer i/c Records. Lieut.SECRET.Appendix 43.
First Army G.S.254.C.E., First Army.
I Corps.) For
XV Corps.) information.
-----Please arrange to allot to XV Corps 1 Officer and
30 other ranks from 3rd Australian Tunnelling Coy., now
working for I Corps, to carry out work on tunnelled
signal dug-out and machine gun emplacements in the
neighbourhood of PONT de NIEPPE.First Army,
14th Jan., 1918.Sd/ P. Neame, Major,
for Major General,
General Staff, First Army.

Copy to :- D.A. & Q.M.G.

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- 2 -

3rd Canadian Division.

Q. 45-2.

3rd Australian Tunnelling Coy.

Reference minute 1.

There is a typewriter mechanic available at Canadian Corps Headquarters, and also at Army Headquarters. If any spare parts are required it will be necessary to have repairs made by Army Mechanic.

As all our machines have been recently overhauled, we will not be sending for the services of this mechanic for a little while.

Will your machine hold out until then?

W. H. Harrison Capt.,
D.A.Q.M.G.,

17-1-18.

3rd Canadian Division.

AP 44.

A.M. 1/522.

"Q" Branch,

3rd Canadian Division/



Could you please say if your Typewriting Machine Mechanic would be available to overhaul our CORONA machine. It is very much out of order at present and I would appreciate it if he may look to our machine. If so, I will have it sent up at a convenient time.

W. H. Harrison Captain,

18/1/18.

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



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Appendix 45

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3rd Australian Tunnelling Coy.A.E.

Notified for your information that Lieut.W.W.GRAINGER of your Unit has this day been discharged to duty from the I Corps Officers' Rest Station, AIRE.



W.W. Grainger
Captain,
for D.D.M.S., I Corps.

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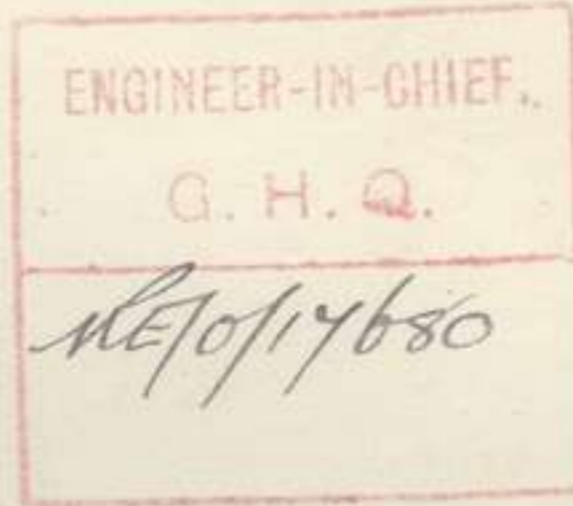
APPENDIX

47⁸⁰

C.



Appendix 47



Controller of Mines,
First Army.

Reference your C.M. 320 of 16th instant.
Lieut. HOWIE has been noted for posting to 3rd
Australian Tunnelling Company on return to this
country.

G. H. Q.,
18.1.18.

Mr Biggs
for Major General.
Engineer in Chief.

O. C.
3rd Aust. Tunn. Coy.

To note, reference your minute of 14.1.18

19.1.18.

R. White
Lieut. Colonel R. B.
Controller of Mines
First Army

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3rd AUSTRALIAN TUNNELLING COMPANY.

Appendix 48
Secret 81.

No. 4 SECTION.

DETACHED PARTY 22/1/18.

DEPARTURE .

Party will leave H.Q. BRACQUEMONT on 22/1/18.

STRENGTH .

1 Officer & 30 O.R.'s as per attached nominal roll.

BILLETS .

Party will billet with and draw rations from 2/7th Liverpool Regt., whose H.Q. are at PONT de NIEPPE 36 N.W. B.23 b.4.2. Actual billet is No. 2888N opposite these H.Q., in main ARMENTIERES road. In event of this unit going into the line before 22nd inst the billet and ration arrangements will not be upset for the Q.M. of 2/7th remains at PONT de NIEPPE. The O.C., Party will mess with 2/7th or in their absence with Q.M. & T.O., of that unit.

WORKING PARTY .

work is under control of C.R.E., 38th Division but lies in 57th Divisional area, whose H.Q., are at STEINWERCKE and working party as per attached requisition will be supplied by that unit, probably in first instance from 172nd Brigade and subsequently from 171st.

MATERIAL .

R.E. material will be drawn from C.R.E., xv Corps Troops dump at La GORGUE through C.R.E., 38th Division, who is in charge of the work. Not less than 40 R.E. Sets and 1000 sandbags will be deposited by C.R.E. 38th Division at site of the work PONT de NIEPPE bridge B23d.10.8 in charge of traffic post on or before 22nd inst. Thereafter requisitions for transport must be in hands of Adjutant C.R.E., 38th Division (MERVILLE) by noon on day previous. R.E., sets have been ordered at rate of 30 per day up to 500. C.R.E., 38th has been asked to arrange for Candles to be drawn up to 40 lbs per day.

WORK .

Work will be in accordance with sketches attached. Daily report on usual form will be sent to H.Q. BRACQUEMONT per D.R.L.S., and likewise a summary of the daily progress to C.R.E., 38th Division.

LOOTING .

All ranks must be cautioned against interference with private property in deserted houses; as such interference is punished with utmost severity. Attached letter, however, authorises furniture to be moved from one portion of the buildings to another at the site of operations.

TOOLS .

4 Picks.	} These will be drawn from
8 Shovels.	
1 Hand Saw.	
2 Hammers leading.	
14 lbs. 3" & 4" nails.	
1 Axe.	
2 Spirit Levels.	

60 lb Candles
2 Bales Bags
Cooking Utensils

N.J. Hillman Captain,

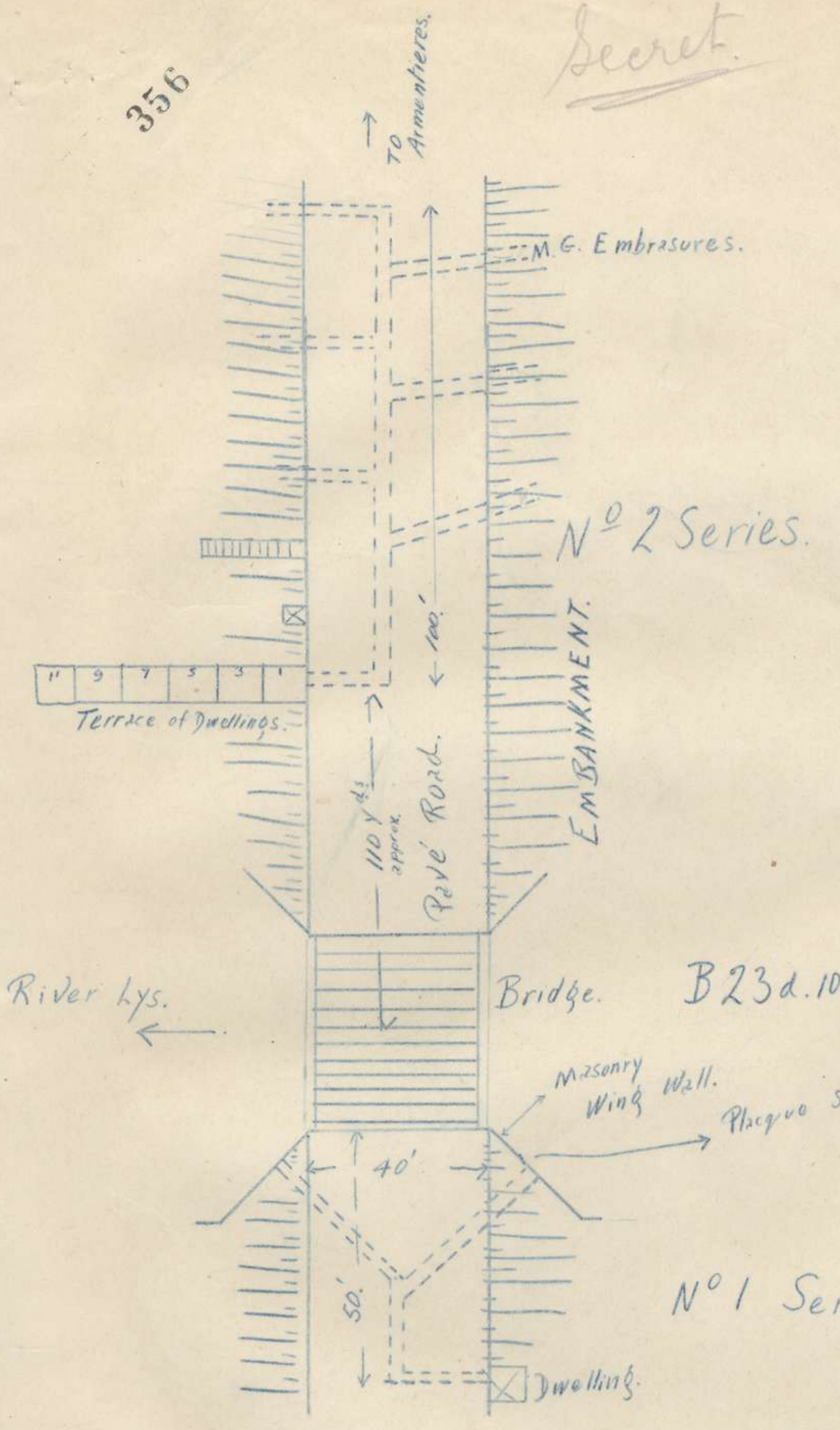
O.C., No. 4 Section,
3rd Australian Tunnelling Company.

19/1/18.

356

Secret.

Appendix 48 87



In addition to this work a bore hole or
 pack pipe hole must be put through
 Railway Bank at 29. 45. 90. for 57" dia. Synals
 to carry lined cables. At present water is
 too high to admit of work.

Pack pipe using Barbet Jack

Headings 4' 10" x 2' 6" in clear to be driven along dotted lines.
 N° 1 Series to commence about 1' above level of basement of
 Dwelling & run in on the level, turning at right angles when
 under centre of Road. Positions for openings in Wing Walls will
 be fixed by C.R.E 38th Division.
 N° 2 Series to commence at floor level of Terrace & run in on
 level. Work inside building & make passageway to carry spoil
 through partition walls. Commence dumping spoil in well.
 Positions for embrasures will be fixed by C.R.E
 38th Division.

A. Millman. Capt.
 19-1-18.

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APPENDIX 49⁸³

Appendix 49

AM37

A.I.F. ADMINISTRATIVE HEADQUARTERS,
WESTMINSTER, LONDON, S.W. 1.

HB/TAM.

TELEGRAPHIC ADDRESS:
"ADMINAUST, LONDON."

CABLE ADDRESS:
"STRALIS, LONDON."

TELEPHONE:
VICTORIA 8860 (10 LINES).

IN REPLY PLEASE QUOTE

Ab. 99041

20 JAN
19th. January 191⁸

Officer Commanding,
3rd. Australian Tunnelling Company.

Lieut. J. W. ALLEN, 3rd. Tunnelling Coy.

The above-named Officer, who was due to proceed overseas to rejoin his Unit to-day, reported at this office at 2.30 p.m., reporting that he had mislaid the return half of his Leave Ticket, and had spent the time since his discovery of this in looking for it.

Arrangements are being made with the War Office for Lieut. Allen to proceed Overseas on Monday, 21st. January.

Brig.-General,
Commandant.

Controller of Mines,

Advanced First Army/

Re Defence Scheme for HULLUCH-St. ELIE & HAIRPIN
INFANTRY Subways.

Further to our conversation of 16th inst., and your minute No. C.M 334 to C.E., 1st Army of same date, please.

It is noted that the whole question of tunnel defence in case of an enemy attack, is likely to be brought forward again shortly, the following particulars are forwarded for consideration.

The forward exits from the Subways are defended by infantry posts. It may be advisable to similarly defend all other required exits forward of the Reserve Line, and to solidly tamp exits not required for ventilation or for other special purposes. Bomb pits, traverses and blocks with loopholes might be constructed in all inclines, the exits from which are to be kept open, and electric alarm bells installed in all Infantry Company Headquarters and Tunnellers Headquarters with leads connecting to switches at the exits, so that an immediate alarm could be given by the sentries in case of an enemy attack. All troops could be allotted to definite posts and duties, and practice alarms might be carried out.

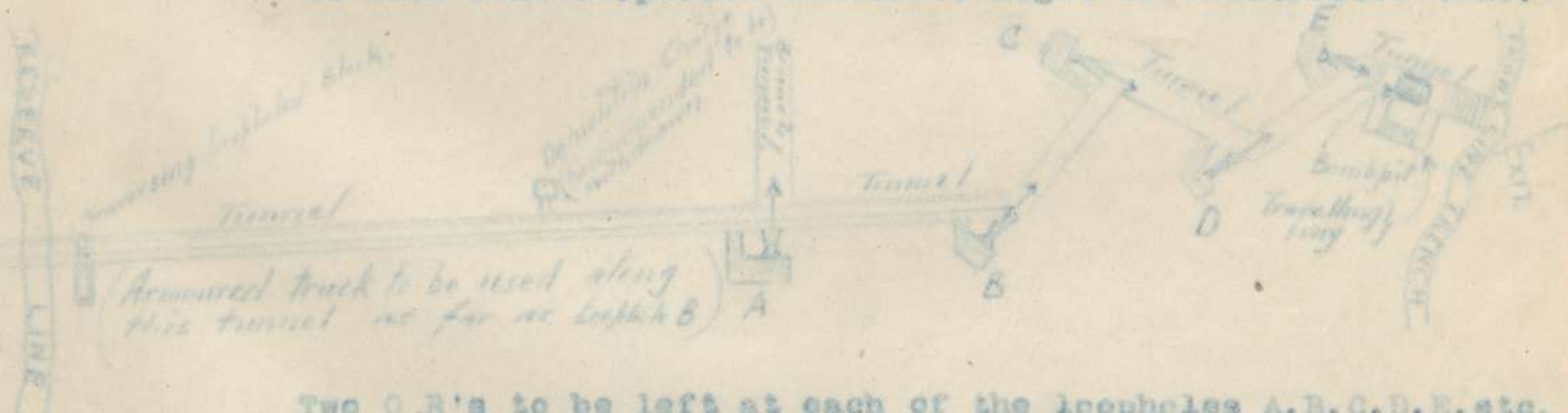
With the above arrangements completed a good defence of the tunnels would be possible.

COUNTER ATTACK.

In the event of the enemy occupation of the subways in front of the Reserve Line the following scheme of counter attack is suggested.

For clearing the long straight tunnels a double-ended armoured truck, with hinged steel plates opening inwards, loopholed each end and carrying a fixed machine gun might be of good service. Three armoured trucks would be required. One in HULLUCH system, one in St. ELIE System and one in HAIRPIN System - The trucks should be manned by two machine gunners with supply of ammunition and bombs. Two O.R.'s would be required to push each truck. The ~~lengths~~ short lengths of straight tunnel would be captured by the attacking party in rushes, from one bend to the next.

At each bend loopholed traverses might be constructed thus:-



Two O.R.'s to be left at each of the loopholes A, B, C, D, E, etc, as the counter attacking party proceeds along the tunnels.

Two large ventilating fans to be installed with airway inlets from behind the Reserve Line - One fan in HULLUCH-St. ELIE System (now being arranged for) and one fan in HAIRPIN System. These fans would be started as soon as the alarm of enemy attack is given. As the counter attacking party proceeds along the tunnels the regulating doors would be so adjusted as to keep a good draught of air moving ahead of the counter attacking party.

The personnel required for counter attacking operations would be as follows:-

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In the HULLUCH System:-

	2 Machine gunners on truck.
	2 O.R.'s to push truck.
1 Officer	4 O.R.'s for attacking party.
1 "	36 O.R.'s to man loopholes & supply reinforcements.
	6 O.R.'s carrying ammunition.
	6 O.R.'s Runners.
	4 O.R.'s Stretcher bearers.
Total	<u>2 Officers & 60 O.R.'s.</u>

In the St. ELIE System:-

3 Officers & 90 O.R.'s on similar basis., and

In the HAIRPIN System:- Similarly,

3 Officers & 90 O.R.'s.

Total 8 Officers & 240 O.R.'s for HULLUCH - St. ELIE & HAIRPIN In fantry Subway & Mining Systems.

For counter attacking operations it is suggested that miners who are well acquainted with the galleries should be used as far as possible.

So long as the Reserve Line is in our possession there should be no difficulty in keeping the enemy out of the subway and mining system in front of it.

The construction of the preparatory work referred to above, viz:-

Loopholed traverses, bomb pits, doors, truck sidings etc. would take five weeks to complete using the two sections of this Company at present employed in the tunnels mentioned.

I recommend that a scheme for defence and counter attack somewhat on the above lines should be adopted, and that the demolition charges laid in the subways be withdrawn.

Sqn. Alex. Sanderson

Major.

23/1/1918.

O.C., 3rd Australian Tunnelling Company.

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Appendix 51.

G.O. 3rd Aust. Coy., N.E.

G.M. 393
First Army.

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Herewith copy of I Q M. 2483 of 22.1.18

The use of Mine Rescue Apparatus in Fighting Fires.

Your attention is directed to paragraph 3, page 8 of recently revised "Memorandum on Gas Positioning in Mines".

"In fighting fires in mines, dugouts, etc., the asbestos hood and apron should be worn, and the three compartment bag containing 5 lbs. of caustic soda instead of 4 lb, and 2 lbs of sodium sulphate placed in the back compartment, used with the Proto apparatus, the back of the bag being also protected by Asbestos covering".

The three compartment Proto bag filled with 5 lbs of caustic soda and 2 lbs. of sodium sulphate, ensures cool breathing even in very hot atmospheres, and is quite essential in fighting fires if work is to be carried on for any length of time. The asbestos hoods, aprons and coverings of Proto bag give the necessary protection against the heat and flame and permit the wearer to approach much nearer the fire.

A limited supply of these accessories is now available at First Army Mine School, and can be had on application.

First Army, H.Q.
23rd Jan., 1918.

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

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No 3 Section

Appendix 52

25/1/18

C.O.
3rd A.T.C.

Old Brigade H.Q. Quarry.

At present occupied by
Machine Gunners and Signallers
about 6 men to each dug out.

Also an Infantry Co. 5th BATT H.Q.
and Machine Gun Co. H.Q.

One dug out is too wet at present and is
unoccupied.

Our former mens quarters are at present
occupied by a platoon of Infantry
(5th BATT) who are being relieved tomorrow
night. About 40 men at present in
these dug outs.

BATT H.Q. near Quarry.

All dug outs are full at present with
Infantry and Canadian Engineers.

S. Wentworth. Lt
No 3 Section.

11th. Division No. G.N/498.

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- C.R.E.
- 6th. E. Yorks Regt.
- 32nd. Inf. Bde.
- 33rd. " "
- 34th. " "
- 3rd. Aust. Tunnelling Coy.
- 170th. Tunnelling Coy.

The direction boards and labels in the trenches require certain additions and alterations; this should be done as early as possible.

Where names on the boards differ from those on the new Secret Map, the fact should be reported to this office, and it is intended as a general policy to alter the map rather than the names at present in use.

In the right sector CHALK PIT ALLEY has been wrongly shown as RAILWAY ALLEY and maps should be amended accordingly. In many cases the boards are correct but an arrow is required to indicate the trench referred to.

The trenches are fairly well labelled but arrows are required in a number of the boards. Tunnelling Coys. are responsible for boards etc. in tunnels. A certain number of boards in the latter and in trenches require cleaning or re-painting.

M. K. M. Major,

24th. January 1918. General Staff, 11th. Division.

St. Cavanagh *AM. 1/572* *Appendix 54.*
 Please arrange through Q Branch 1st Can Div. of C.R.E. & Corps Troops to obtain some vegetable seeds for about $\frac{1}{8}$ acre of ground. *A. Sanderson Major 1/2/18.*

CORPS ROUTINE ORDERS

by

Lieut.-General Sir Arthur HOLLAND, K.C.B., M.V.O., D.S.O., Commanding I Corps

26th January, 1918

2058. VEGETABLE GROWING.- Attention is drawn to A.R.O. 2343. Area Commandants will be held responsible that all available ground round Y.M.C.A. and Church Army Huts is cultivated, and will ensure the provision of seeds for this purpose. (I Corps No. Q.1422).

2059. ARMY SCHOOL OF COOKERY.- The twenty-third Course for Regimental Cooks commences 5/2/18 and ends on 18/2/18. Vacancies are allotted as follows: 11th Division 3, 42nd Division 3, 46th Division 3, 55th Division 3, D.A.D.L., I Corps 2.

N.C.Os. and men detailed for this Course will report to the O.C., School of Cookery, BETHUNE, by 5.0 p.m. 4/2/18, and will return to their units on 19/2/18.

O.S. units are responsible that personnel attending these Courses are bathed and provided with a clean change of underclothing, and also that they receive an advance of pay.

Arrangements have been made that men are bathed and given a clean change of underclothing once a week during the Courses.

Care should be taken that candidates selected have not previously attended an Army School of Cookery in FRANCE.

Formations will make their own arrangements to convey students to these Courses. (First Army No. 4042/3.Q.A., d/- 25/1/18.- I Corps No. Q.344).

N.G. ANDERSON, Brig.-General,
 D.A. & Q.M.G., I Corps.

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Appendix 5589

Headquarters,
3rd Canadian Infantry Brigade,
28th January 1918.

13th Canadian Battalion,
14th Canadian Battalion,
15th Canadian Battalion,
16th Canadian Battalion,
2nd Canadian Infantry Brigade,
3rd Australian Tunnelling Company.

The following party will relieve party
of 2nd Canadian Infantry Brigade now working with
3rd Australian Tunnelling Company:-

	<u>Officers</u>	<u>Other ranks</u>	
13th Battalion	1	37	1 off. 57 O.R. } for 6 days 1 off. 17 O.R. } about
14th Battalion	1	37	
15th Battalion	1	38	
16th Battalion	-	38	

This party will be rationed and quartered
in LOOS by the 3rd Australian Tunnelling Company and
will be employed throughout the Brigade tour.

The relief will be carried out on the
night January 30th/31st.

Further details will be sent by wire.

ACKNOWLEDGE.

Jenkins
Major,
Brigade Major,
3rd Canadian Infantry Brigade.

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APPENDIX

56 90

Appendix 56.

C.E. First Army 785/224.

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- C.E. I Corps.
 - C.E. XIII Corps.
 - C.E. XV Corps.
 - C.E. Canadian Corps.
 - C.E. Portuguese Corps.
-

Owing to the shortage of timber, it is suggested that the following procedure should be adopted to ensure that material required for dugout work undertaken by units other than Tunnelling Companies is not wasted.

The unit should first submit their proposals to the O.C. of the Tunnelling Company working in their sector, who will give (a) an estimate of the material required to the unit, who will forward it to the C.E. or C.R.E. for authority to draw; (b), sketches of the most suitable type of construction taking into consideration the accommodation required and the nature of the ground.

29/1/18.

Sd/ H.H. Wheatley,
 Captain R.E.,
 S.O., R.E.

- 2 -

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



For your information

*1/2/18 H.H. Gill
 Major R.E.
 J.R.C.M.*

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APPENDIX 57^{91.}

Appendix 57.

3rd Australian Tunnelling Co,

33rd Inf. Bde No. S/D 2/135

Will you please let me have a tracing
showing all the tunnels in the HULLUCH Section
and all particulars concerning them, especially
with regard to the places where gas curtains
should be erected.

S. D. 2/135

31st January. 1918.

Major.
Brigade Major.
33rd Infantry Brigade.

*Can you call here at some
time convenient to you. The funeral
is generally in about 7.0 pm. Perhaps
you would stay to dinner.
Sincerely,
S. D. 2/135*

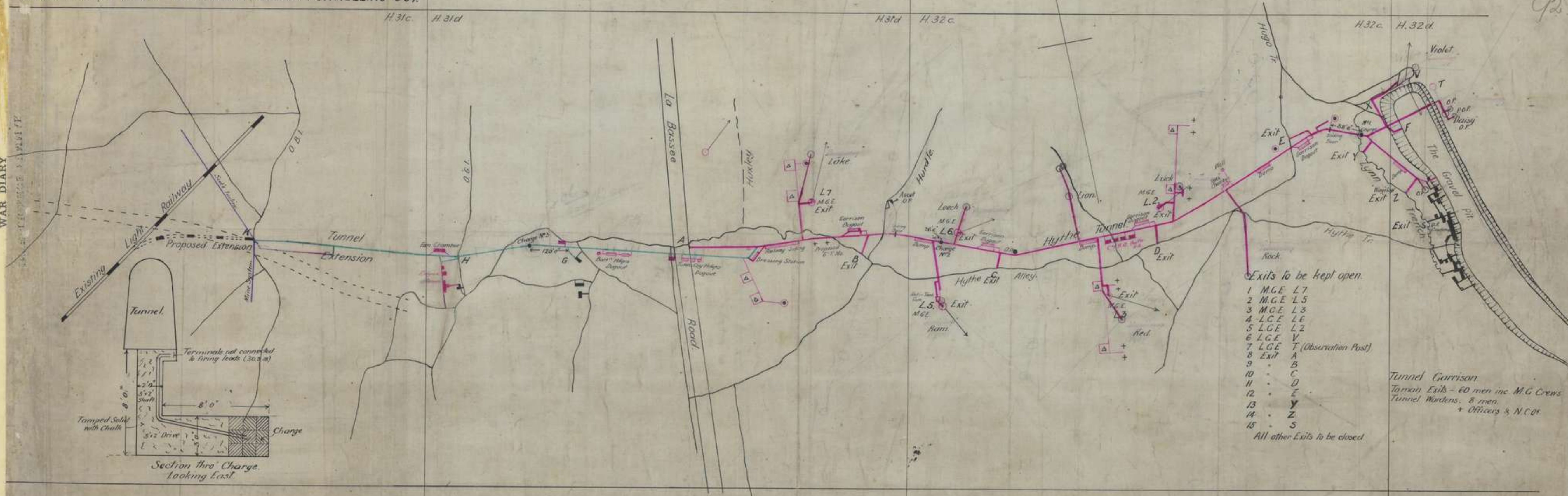
256

TOPEN

HEAD OFFICE PLAN 3RD AUSTRALIAN TUNNELLING COY

Hythe Tunnel Scale 1:2000.

Not to be taken away.
Appendix "Ca"
O.C. 3rd Australian Tunnelling Coy.



- Exits to be kept open.
- 1 MGE L7
 - 2 MGE L5
 - 3 MGE L3
 - 4 LGE L3
 - 5 LGE L2
 - 6 LGE V
 - 7 LGE T (Observation Post)
 - 8 Exit A
 - 9 - B
 - 10 - C
 - 12 - E
 - 13 - Y
 - 14 - Z
 - 15 - S
- All other Exits to be closed

Tunnel Garrison
 Trench Exits - 60 men inc. M.G. Crews
 Tunnel Wardens - 8 men
 + Officers & N.C.Os

92

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58

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3298
I-of-M.

Controller of Mines,
First Army.

With reference to the construction of concrete shelters, machine gun emplacements etc., it is most important that material and labour should not be expended on bad designs.

In order to avoid this and to assist us to arrive at the best types, detailed pencil sketches showing method of reinforcement etc., should be sent in by each Company with the Weekly Report in which the particular shelter, emplacement etc., is first mentioned. These will be examined by a concrete expert.

G. H. G.,
9/1/18.

Sd/ B.W.H. Danford,
Lieut.-Colonel, R.E.,
for Inspector of Mines.

- B -

- O.C., 170th Coy., R.E.
 - O.C., 176th Coy., R.E.
 - O.C., 188th Coy., R.E.
 - O.C., 251st Coy., R.E.
 - O.C., 3rd Aust. Tunn. Coy.
 - O.C., 1st Can. Tunn. Coy.
-

O.M. 266
First Army.

For information and necessary action.

First Army, H.Q.,
11th Jan., 1918.

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

Jan 1918

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NOTES ON DEFENCE OF HILL 70 SECTION

1. General considerations on which the details of the defence are based.
- (i) The defence of the BLUE line must be regarded as the ruling factor in any plan of defence on this front. The method of holding the front line and the disposal of reserves behind will be arranged so as to ensure the maximum of resistance on the BLUE line.
- (ii) The dominant feature in this part is HILL 70, a flat knoll at the east end of a ridge which runs from Fosse 12. A flat ridge also runs from Fosse 12 to about Fosse 14; the dip between these ridges is commanded from both.
- (iii) The BLUE line runs roughly along the highest part of these ridges, slightly behind the crest. The front line is on the edge of the ridges and therefore in the valley, and on the sides of the ridges it is on the forward slopes and very exposed.
- (iv) A German advance except along the ridges would not improve his position. Therefore, we may expect that the object of any attack which is launched will be primarily to capture HILL 70 and FOSSE 14 and the ground east of it.
- (v) In our defences these ridges should form Bastions in front of the BLUE line and cover with their fire ground on either flank. The defence of the BLUE line with these two ridges defended in depth will thus form the back bone of our defensive arrangements.
- (vi) The front line is held lightly by picquets forming localities with supports behind. These supports will, for the most part, be on the ridges.
- (vii) Behind the BLUE line there is a line for counter-attack and support troops.
- (viii) Behind this in the area TOWER BRIDGE QUARRY, Fosse 12 there should be machine gun strongpoints to check any advance which had succeeded in forcing the BLUE line and prevent our being pushed right off the plateau, for if this was done it would be difficult to deliver a counter-attack.

II.

Details of the Defences.

- (i) HILL 70 must receive special attention, and we may expect that it will be the main target of the enemy's bombardments. The garrison to hold it must therefore be in good bomb-proof cover.

The method of defence will be to drive a tunnel from between HUXLEY TRENCH and O.G.L., roughly along the line of HYTHE ALLEY to northern end of the quarry in H.32.b. This tunnel will be

d

lit by electric light, and will provide accommodation for reserves, storage for rations, water, ammunition, etc. Off it will be run machine gun emplacements for guns to enfilade the front of the BLUE line north and south, and it may be possible to enfilade the front of the front line. Trench mortar emplacements may be made off it.

The possibility of the Germans mining the Quarries must be considered and precautions taken in the construction accordingly.

This tunnel will take a considerable time to complete. Therefore, to get our defences working earlier, the tunnel will be begun simultaneously at The Quarry, BILL or NESTOR Trench, the BLUE line and the entrance. The first work will be to put in a chamber and shaft for machine guns, so that they can be in action while the tunnel is being completed.

On the north and south slopes of the 70 SPUR, machine guns with head cover will be placed in the space between the front line and BLUE line.

(ii) The defence of the Fosse 14 ridge.

It is a flat topped ridge rather in the nature of a plateau. The effect of this is that a line of guns running at right angles to the BLUE line would probably not give us full command of it. The same system of defence as on Hill 70 would be useful, but the result would not be so good, and as labour is short we will not attempt to construct a tunnel just at present.

Between the front and BLUE lines there is a good deal of ground which is not under observation from the Germans.

For the defence of this portion, the BLUE line must have in or near it deep bomb-proof dugouts for machine gun crews; between the two lines machine guns will be arranged in depth to cover each other and some may enfilade our front line in case it is occupied by the Germans. These guns will be of assistance to a counter-attack and also to give time for the guns in the BLUE line to be manned. These guns must be fired from a cupola so that they will not mask each other's fire nor the fire of the BLUE line guns.

(iii) For the rear defences about Fosse 12 de Lens, Tower Bridge:

(a) The old Brigade Battle H.Q. in the Quarries should form the Keep of this system; it would be the command post with, say, 2 or 4 guns.

The other machine gun strongpoints will be

(b) Fosse 12

(c) The old concrete M.G. emplacement behind Fosse 12.

(d) About N.l.a.O.5.

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59.

- 3 -

- (e) Slag heap on which is Tower Bridge.
- (f) South of Fosse ¹² (place not located).

III. Disposition of Troops.

Of front line Battalions--

About one-quarter in front line in localities, about one platoon together (not scattered in small posts).

About one-quarter in support for counter-attack or to hold support trenches.

About one-half in BLUE line. At least half of this must be detailed as garrison of the BLUE line and must on no account be used for counter-attacks or reinforcing the front line.

Part of the BLUE line troops or some of the Brigade reserve Battalion may be in the support trenches to the BLUE line. The Battalion in Brigade reserve must be looked upon primarily as the reinforcing or counter-attack battalion for the BLUE line. The Brigadier will have to consider whether he will move it up to the support trenches to the BLUE line in case attack is threatened. If this is done their place would have to be filled in Brigade support.

The foregoing has been drawn up before we have taken over in the line, so there may have to be modifications, but this will act as a general guide for the scheme of defence and scheme of work.

War Diary
of
3rd Aust. Tunnelling Coy.
for
January 1918.
appendices.

Sketch A	Winch Chamber + Incline off Hay Alley (Sheet 44a	G.18a.05.40)
" B	Devon Tunnel - Ammunition Chamber ("	G.12c.98.18)
" C	Extension of C.H.P. Dugout ("	G.18b.88.00)
" D	St. Elie Tunnel. H.T.M. Empt. ("	G.12c.92.03)
" E	Drying Room St. Elie Incline ("	G.18a.67.85)
" F	Cosy Trench Dugout ("	N.2d.15.15)
" G	{ Recess for Demolition Charges } in Hulluck Tunnel ("	G.18a.60.00)
" Ha.	{ Recess for Demolition Charges } in Manning Tunnel ("	G.11a.60.00)
" H	Curzon St. Dugouts ("	G.24c.05.95)
" J	Border Tunnel Dugout ("	G.11b.10.70)
" K	Enlargement of Dugouts ⁶⁴⁷ , Village Line ("	A.21a.00.40)
" L	Enlargement of Dugout 23, Village Line ("	A.20d.95.30)
" M	Catapult Trench Dugouts. ("	N.1b.90.60)
" N	O.B.4. Trench Dugout. ("	G.10b.60.40)
" P	Dugout N ^o 24, Village Line ("	A.20d.95.50)
" Q	Dugout for M.G. Team, Village Line ("	A.21c.12.70)
" R	Fan Chamber - The Oval. ("	G.18a.60.70)

J.B.S.

3 Australian Tunn^{ing} Coy.

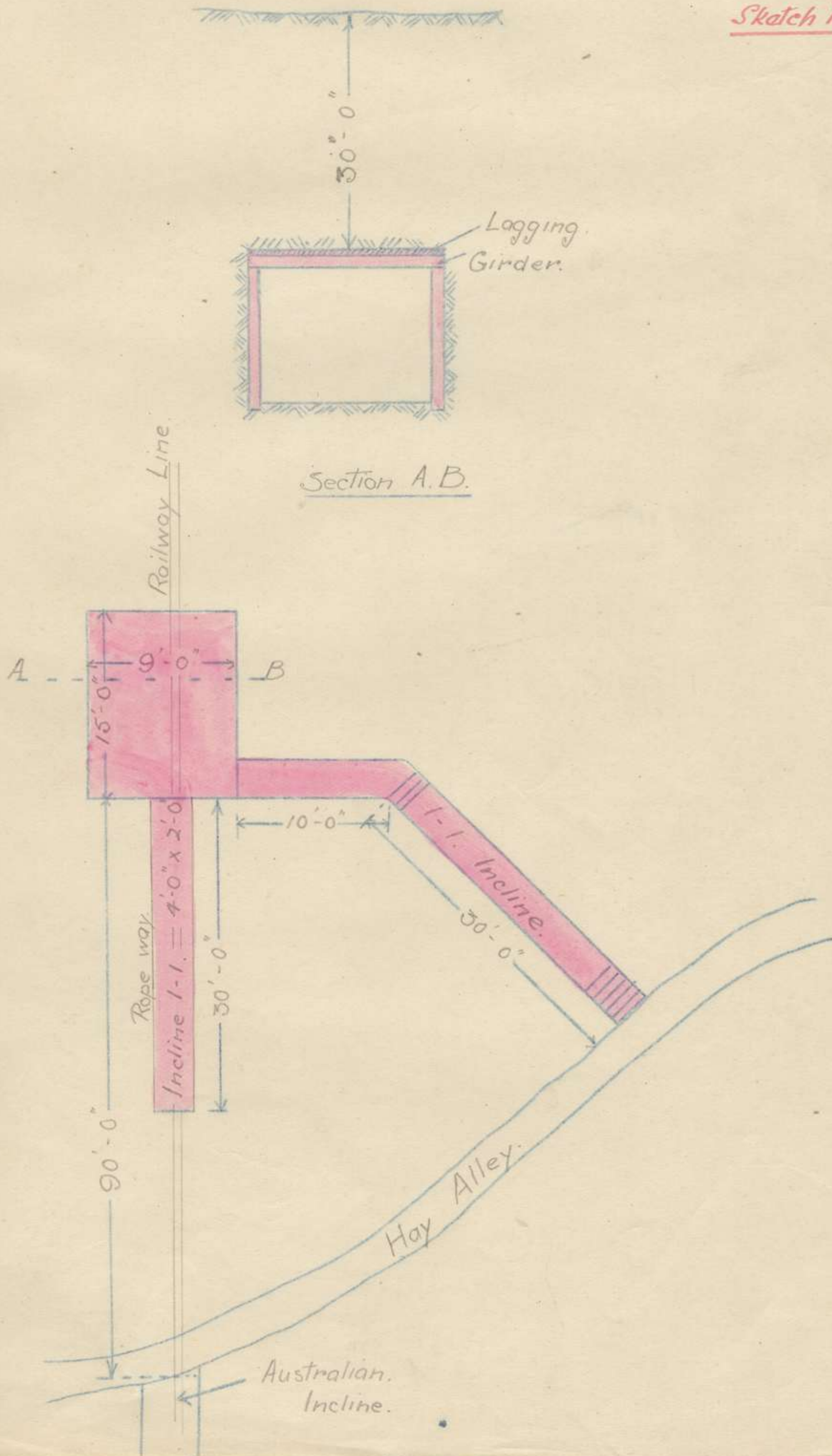
Winch chamber + Incline. off Hay Alley.

Sheet 44^A.

Cover 30'-0"

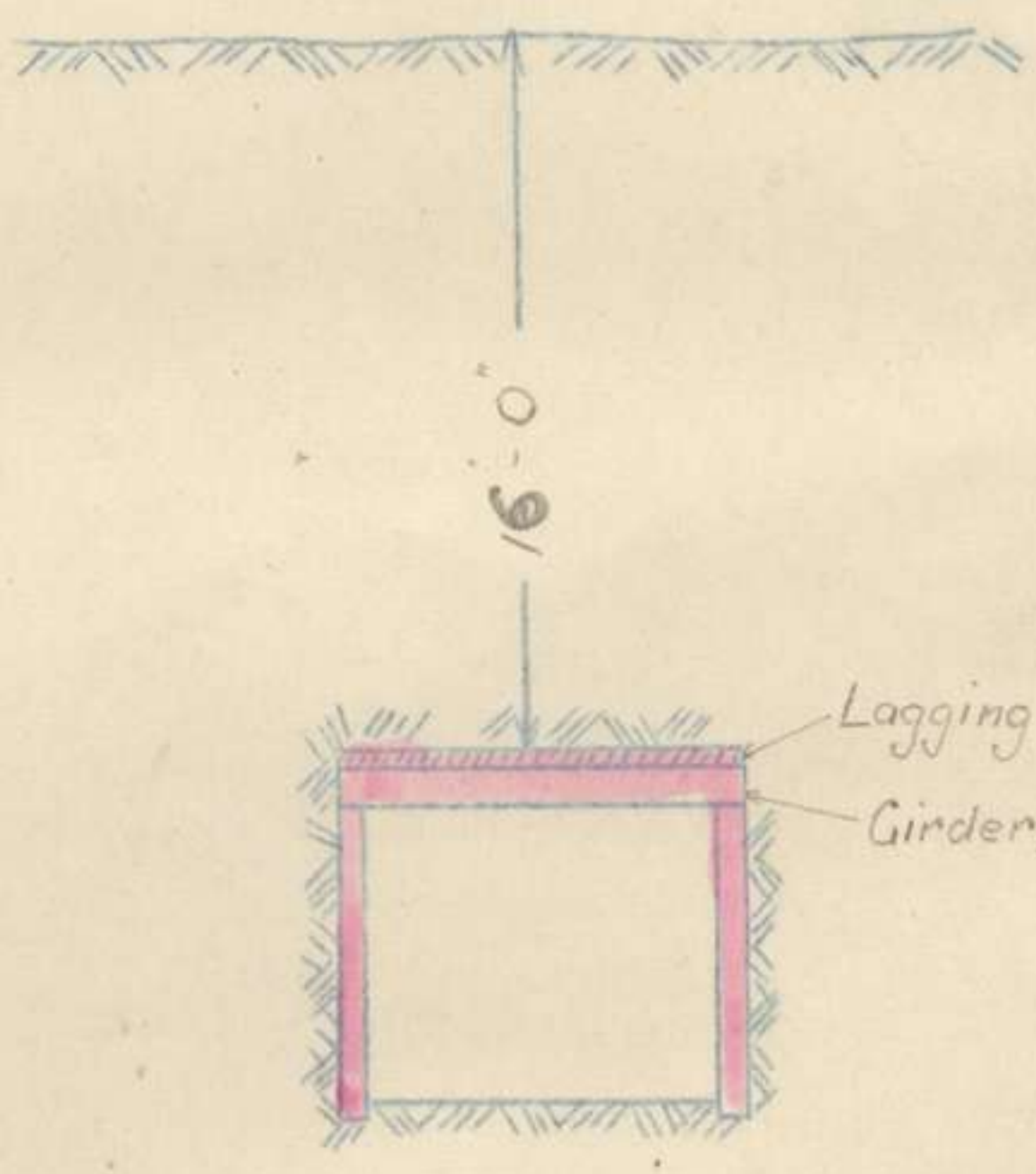
Ref: G18.a. 05-40.

Sketch A

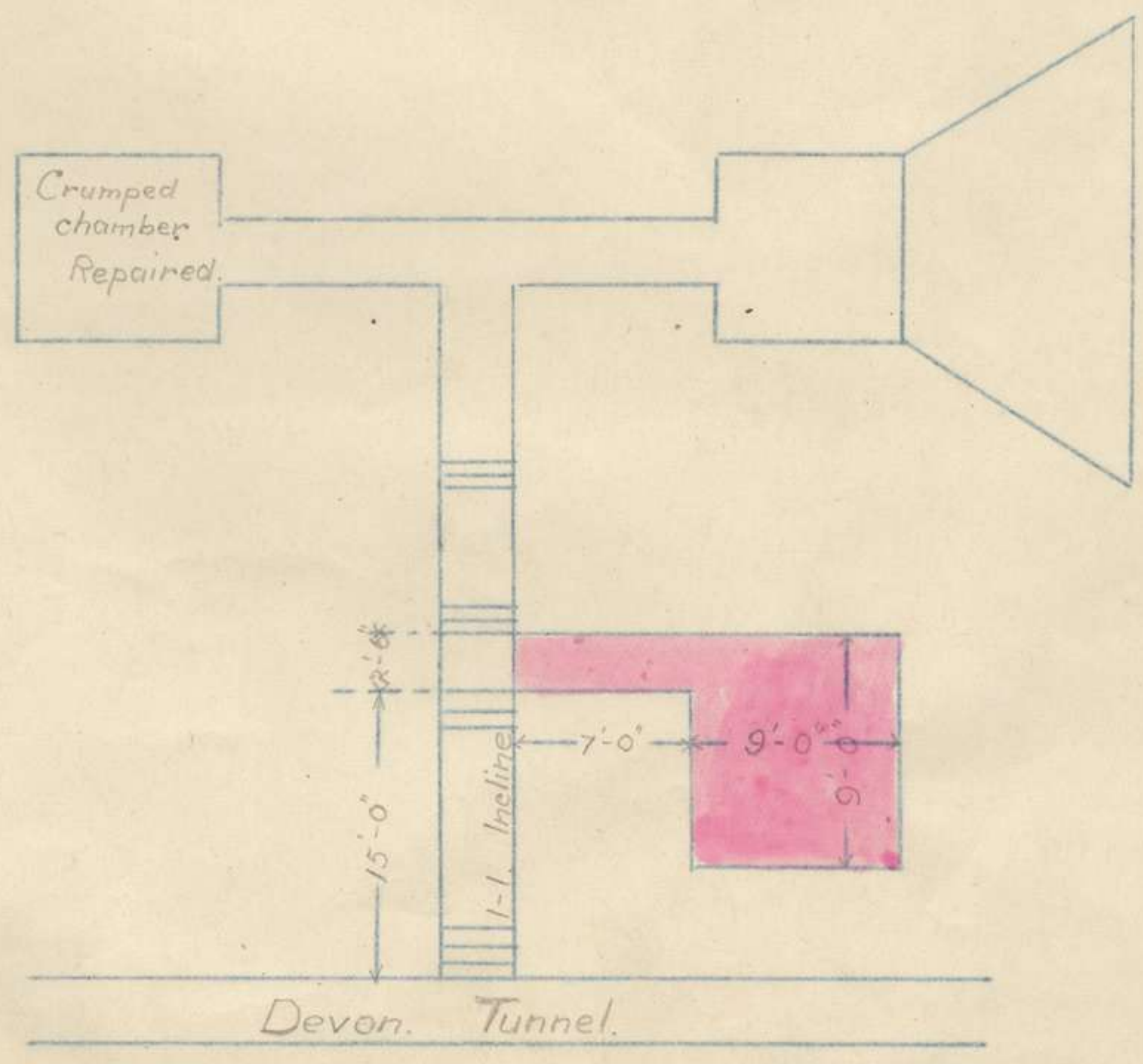


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3rd Australian Tunnelling Coy.
 Devon Tunnel, Ammunition Chamber.
 Sheet 44^a. Ref: G12C. 98-18.
 Cover. 16'-0"



Sketch "B"

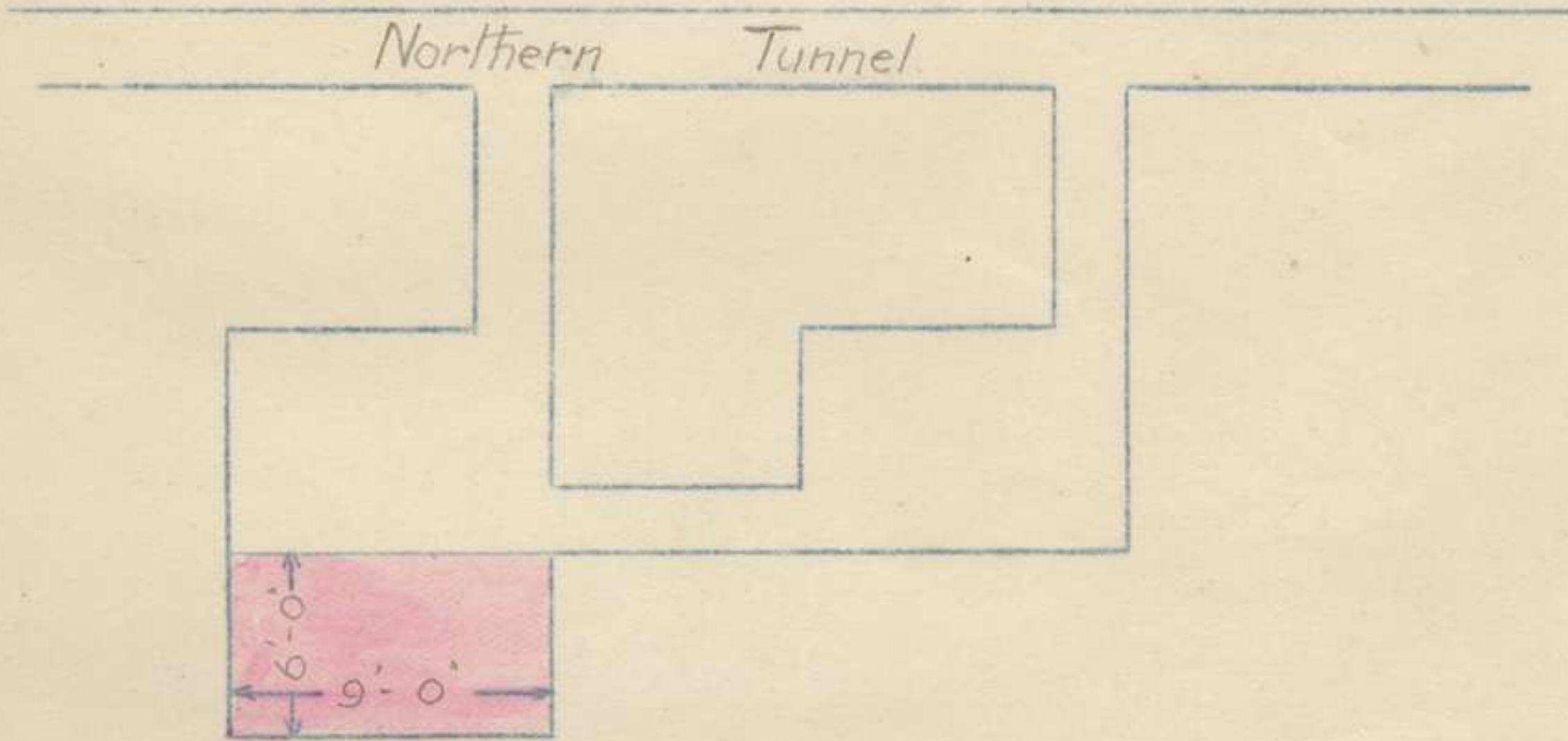


3rd Australian Tunnelling Coy.

Extension to Coy. H. Q. Dug-out. Northern Tunnel.

Sheet 44^A. Ref. G18b. 80.00.

Sketch "C."

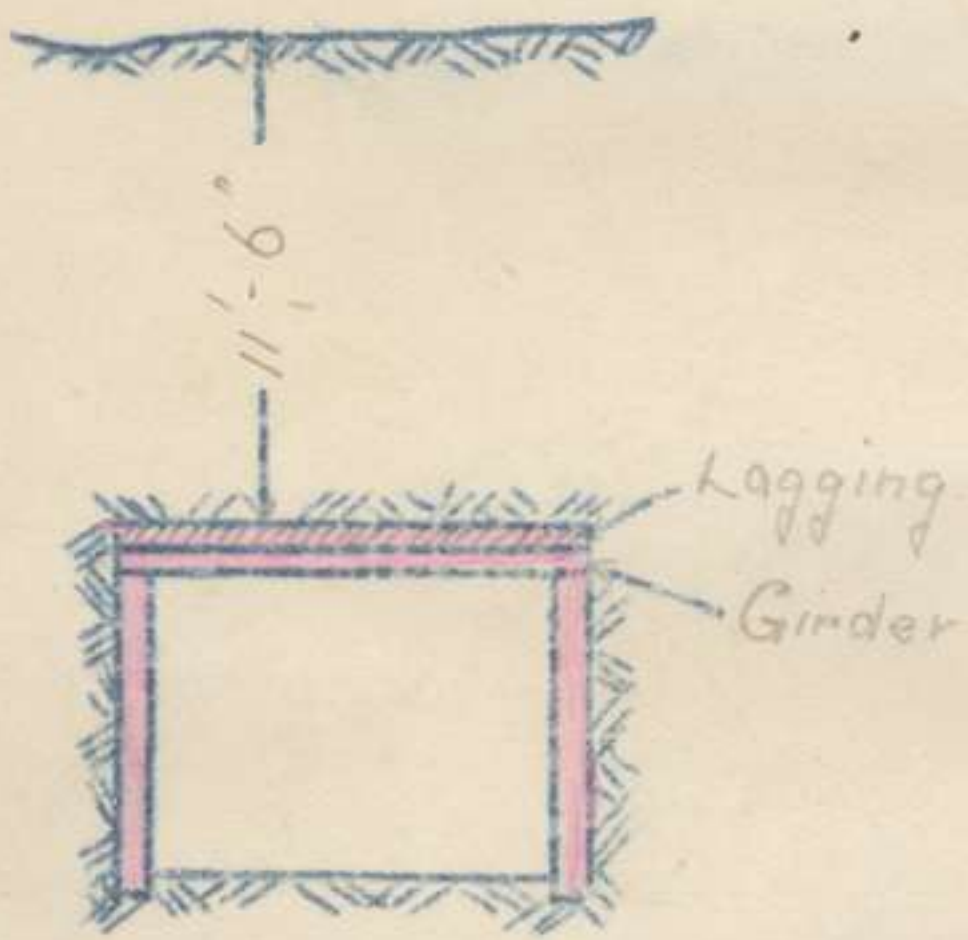


356
3rd

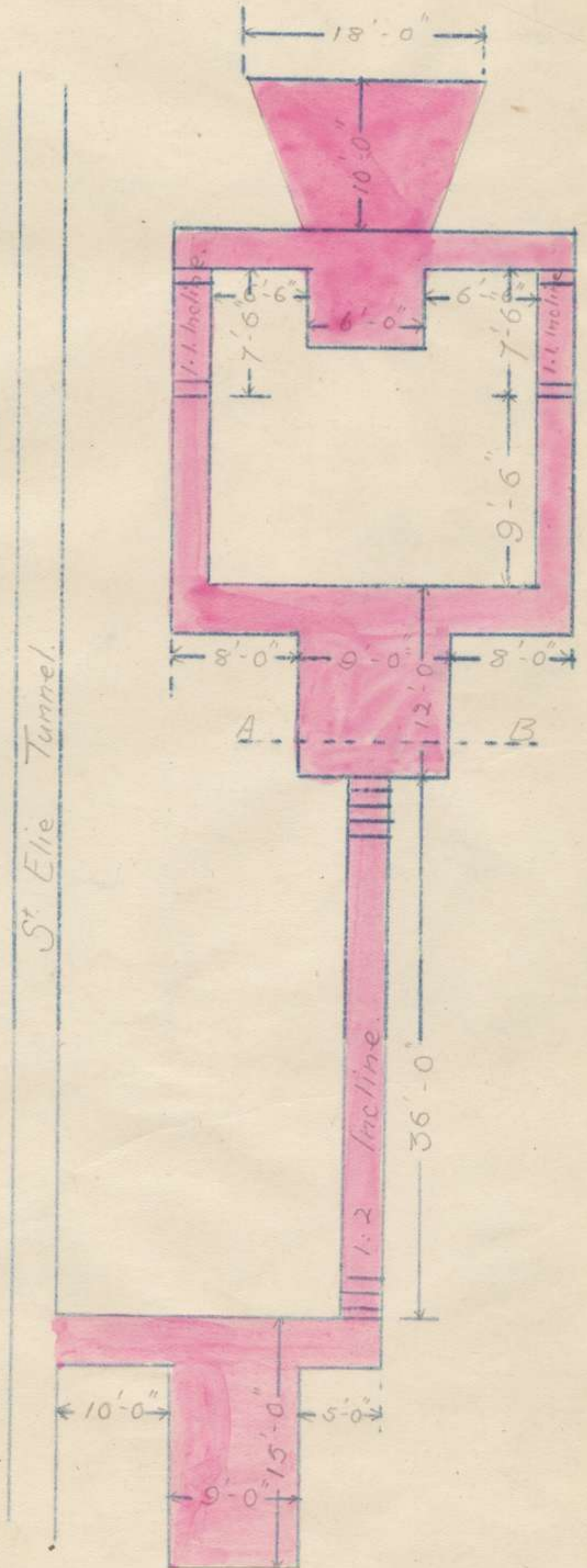
Australian Tunnelling Coy.

St. Elie Tunnel H.T.M. Emp^r. Sheet 44^A. Ref: G12c. 92-03.

Cover 11'-6"



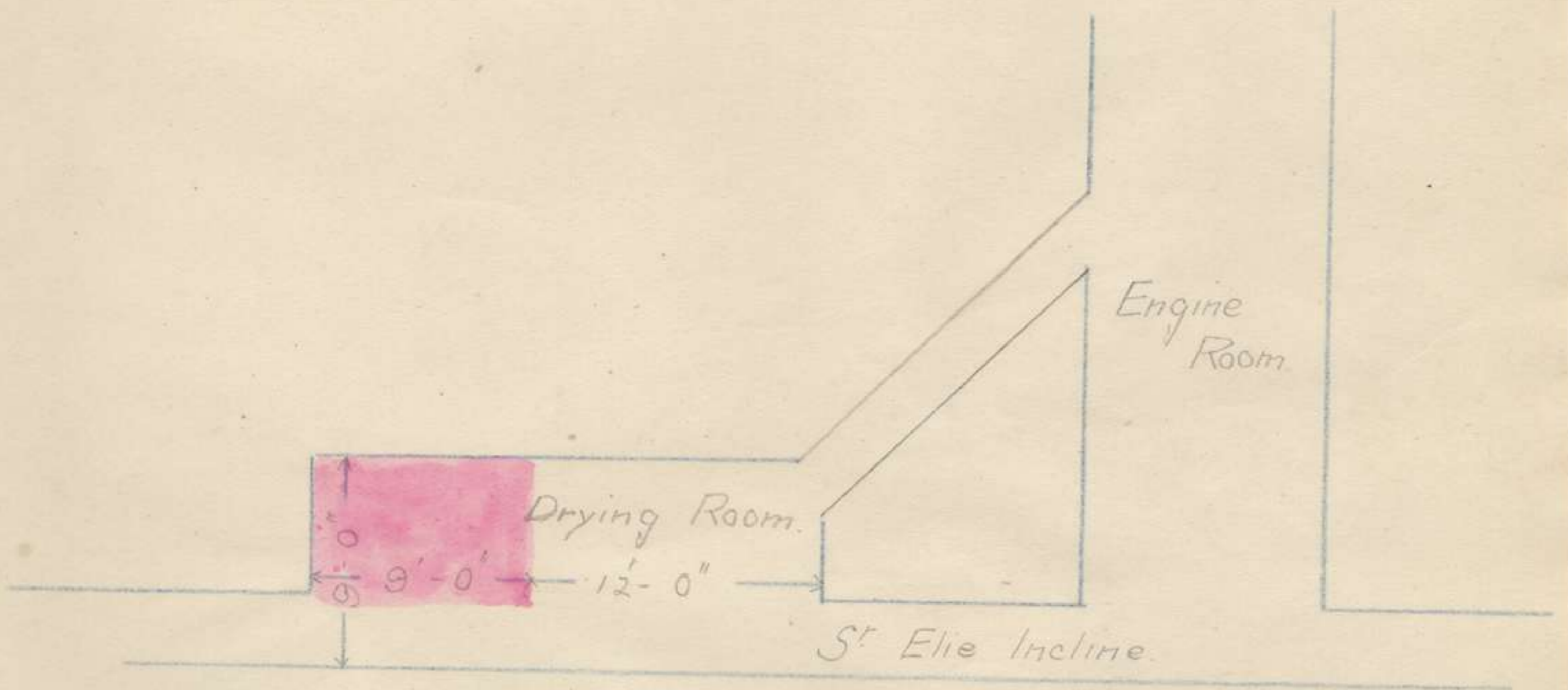
Section A B



3rd Australian Tunnelling Coy.

Drying room St Elie Incline Sheet 44^A Ref: G18a 67-85.

Sketch "E"



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103.

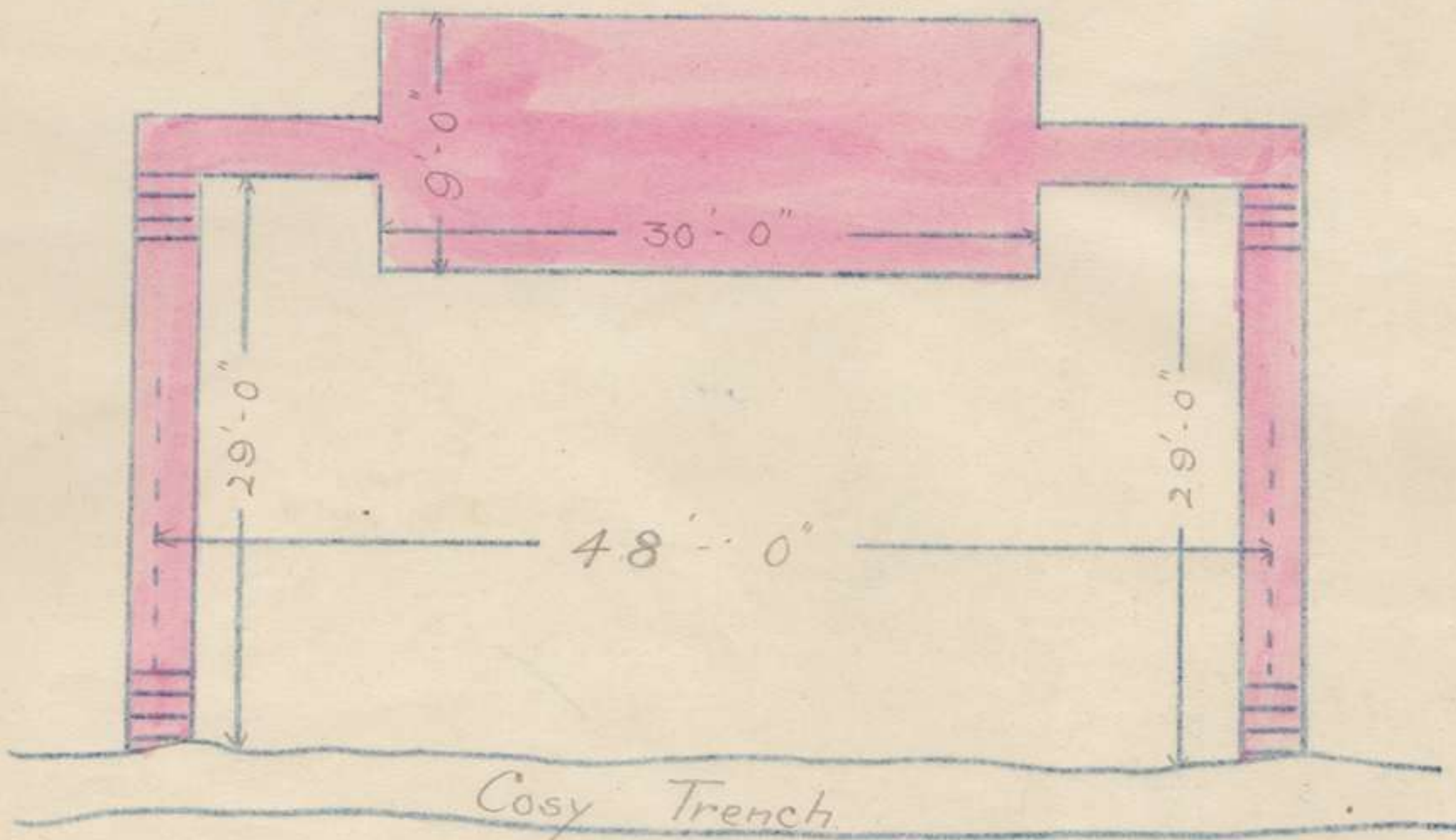
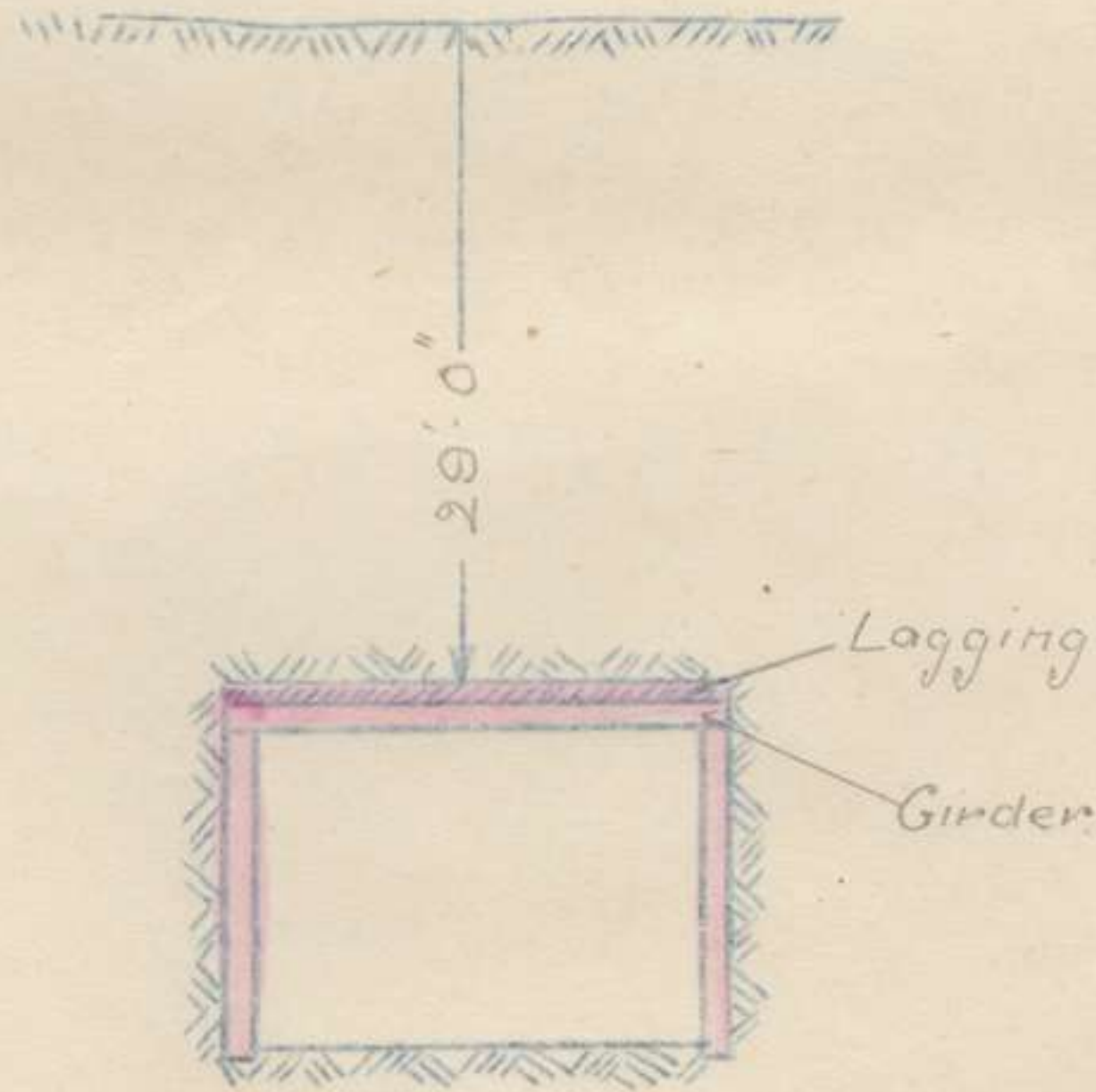
APPENDIX

3rd Australian Tunnelling Coy.

Cosy Trench Dug-out. Sheet. 44^A. Ref: N2d. 15.15

Cover 29'-0"

Sketch "F"



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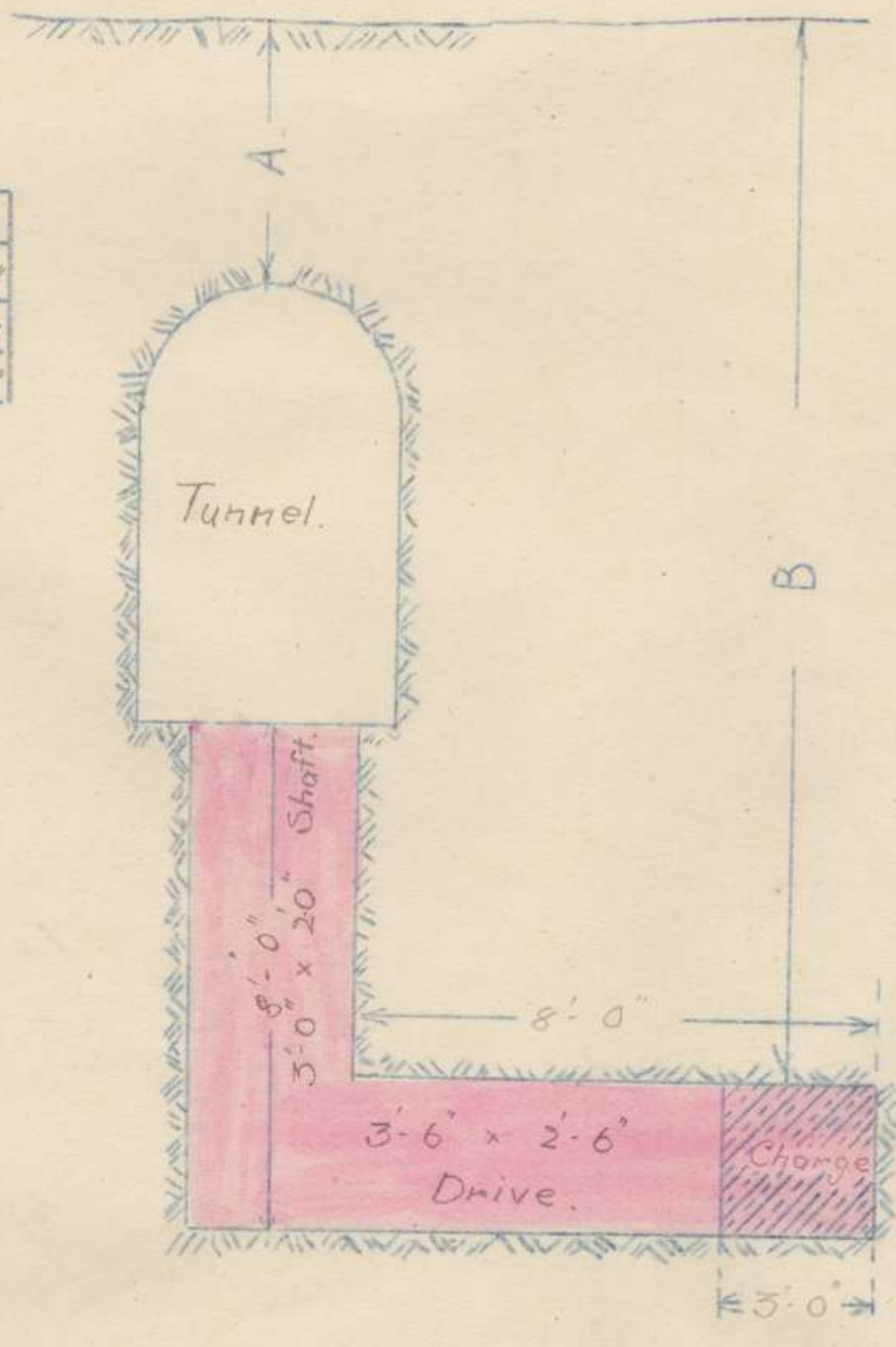
3rd Australian Tunnelling Coy.

Recess for Demolition Charges in Hulluch Tunnel.

Sheet 44ⁿ Ref:

Sketch "G"

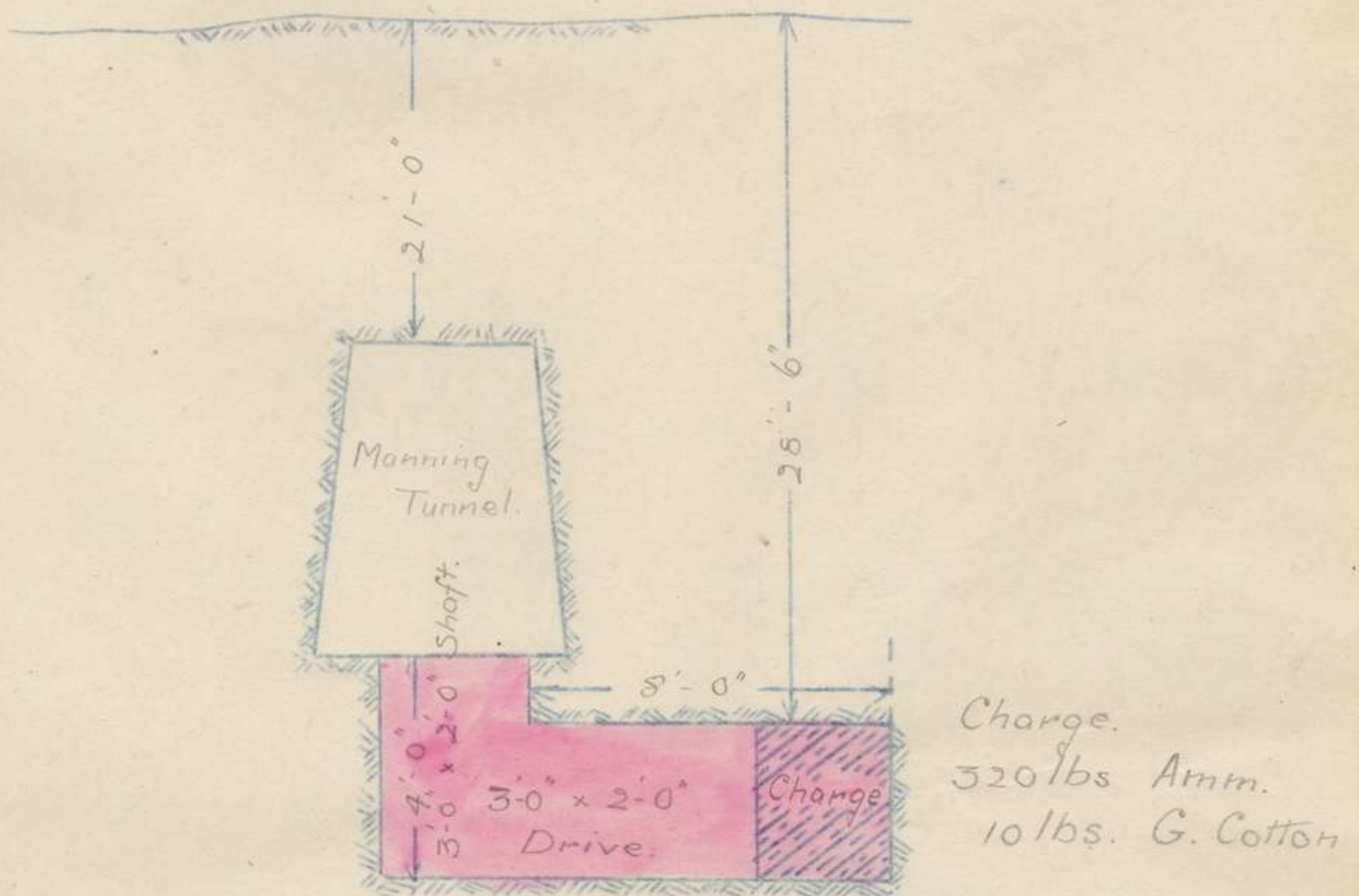
Tunnel	A	B
Hulluch	33'-0"	45'-0"
St. Elie	28'-0"	40'-0"
St. Georges	28'-0"	40'-0"



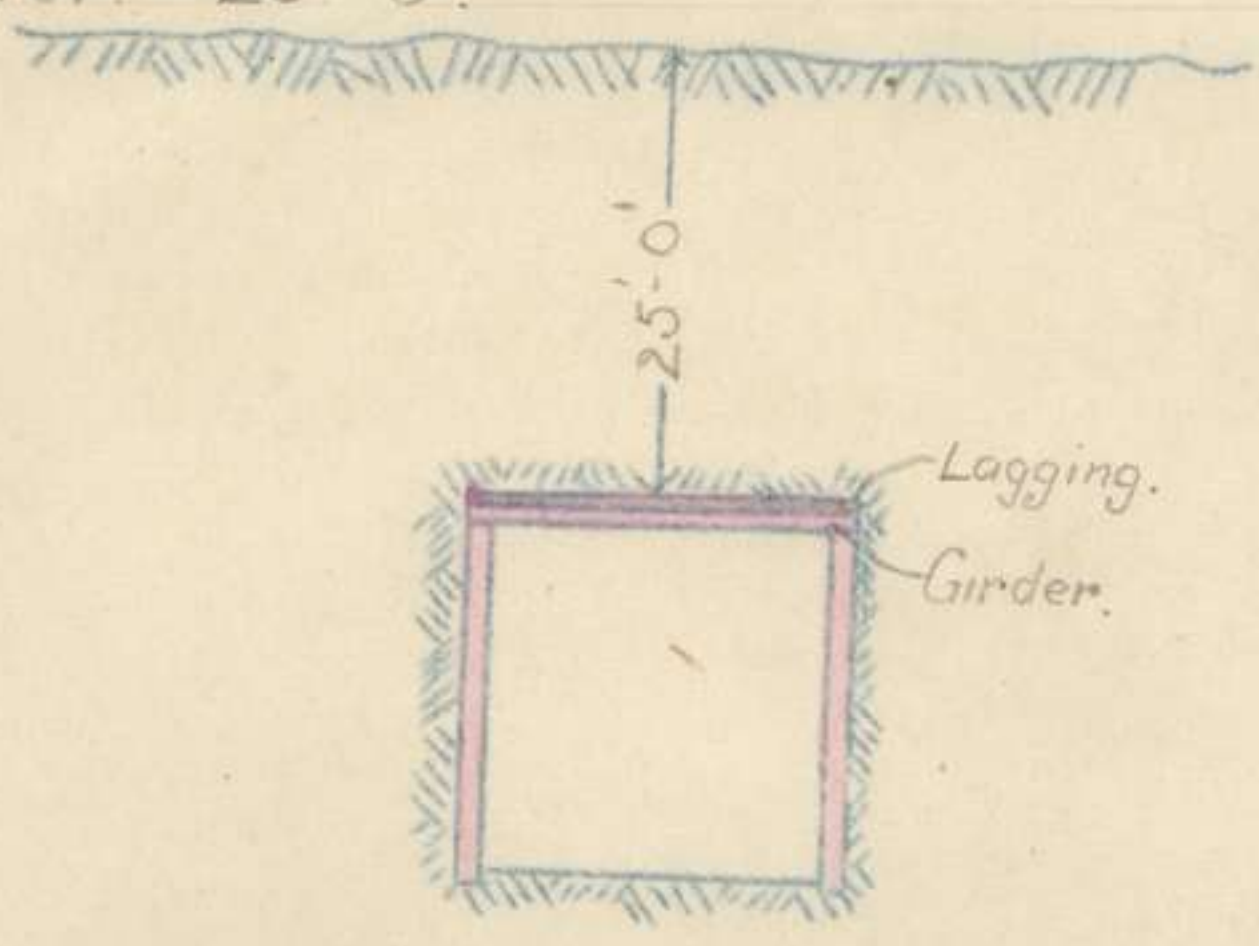
Charge.
 { 420 lbs. Ammonal.
 { 20 lbs. Gun. Cotton.

3rd Australian Tunnelling Coy.

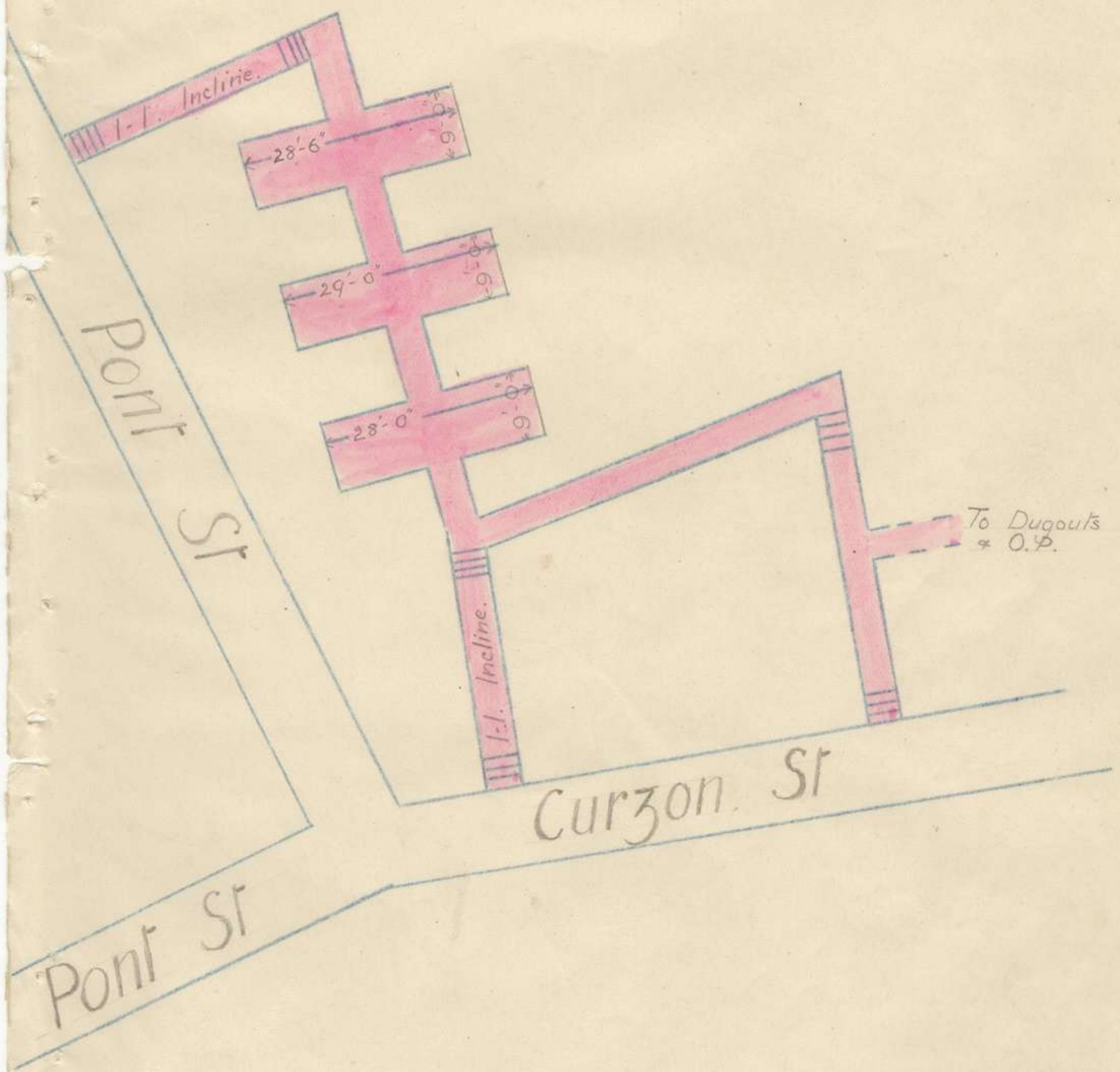
Recess for Demolition Charges in Manning Tunnel.

Sheet 44^A Ref.Sketch "Ha"

356 Australian Tunnelling Coy.
 Curzon St. Dugouts. Sheet. 44^A Ref. G 24C. 05. 95.
 Cover. 25'-0"



Sketch "H"



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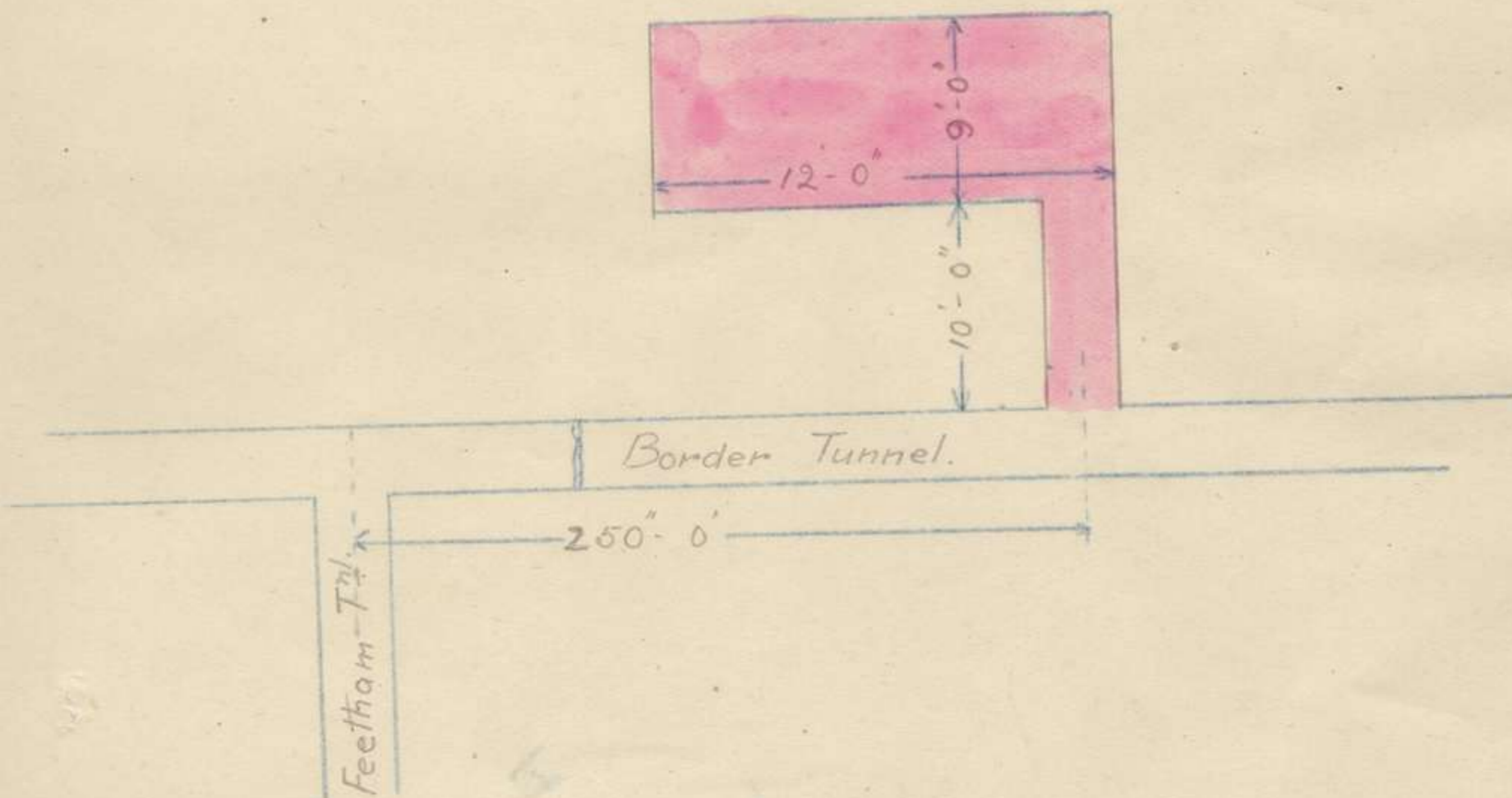
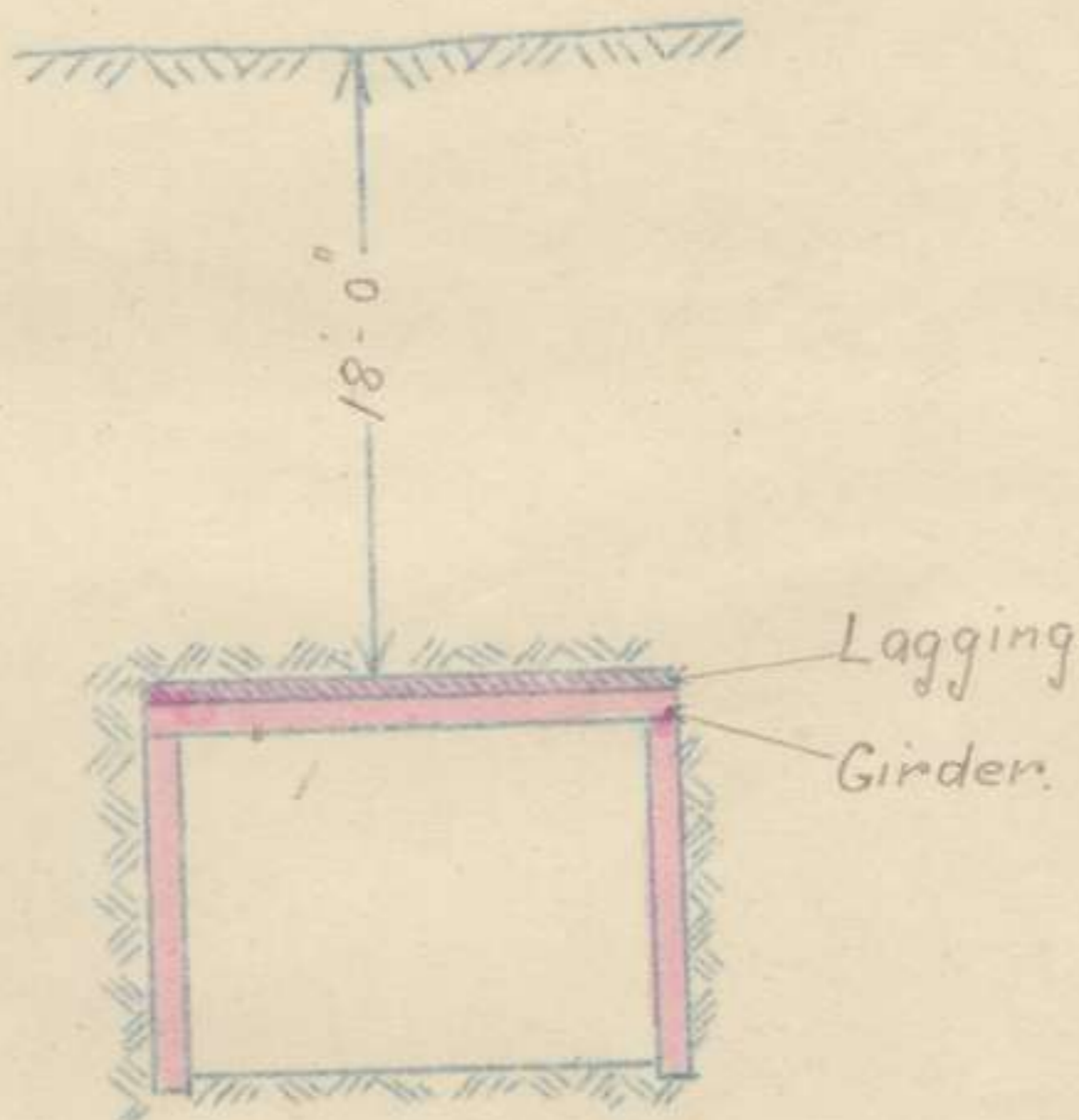
APPENDIX ¹⁰⁷⁻

3rd Australian Tunnelling Coy.

Border Tunnel. Dug-out. Sheet 44^A. Ref. G11b. 10-70.

Cover 18'-0"

Sketch "J"

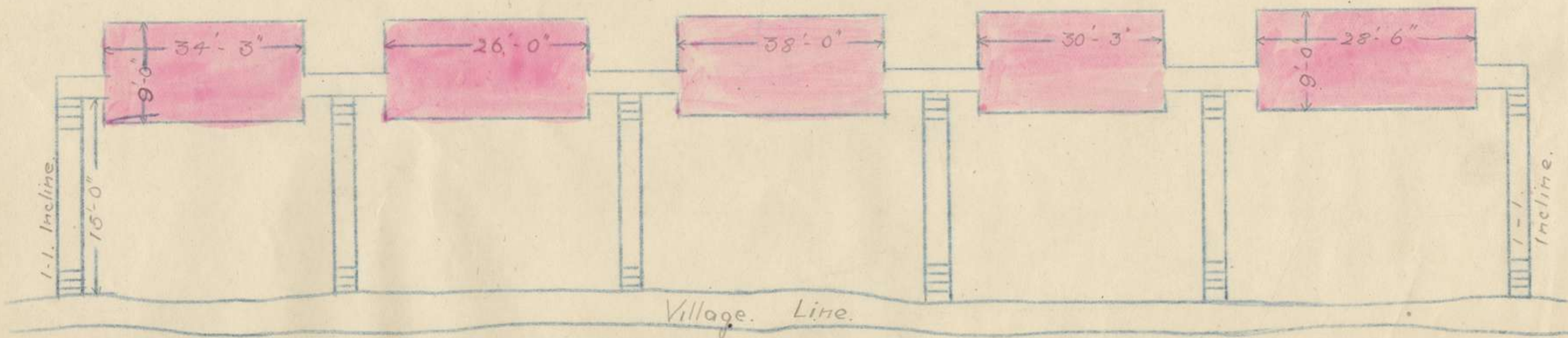
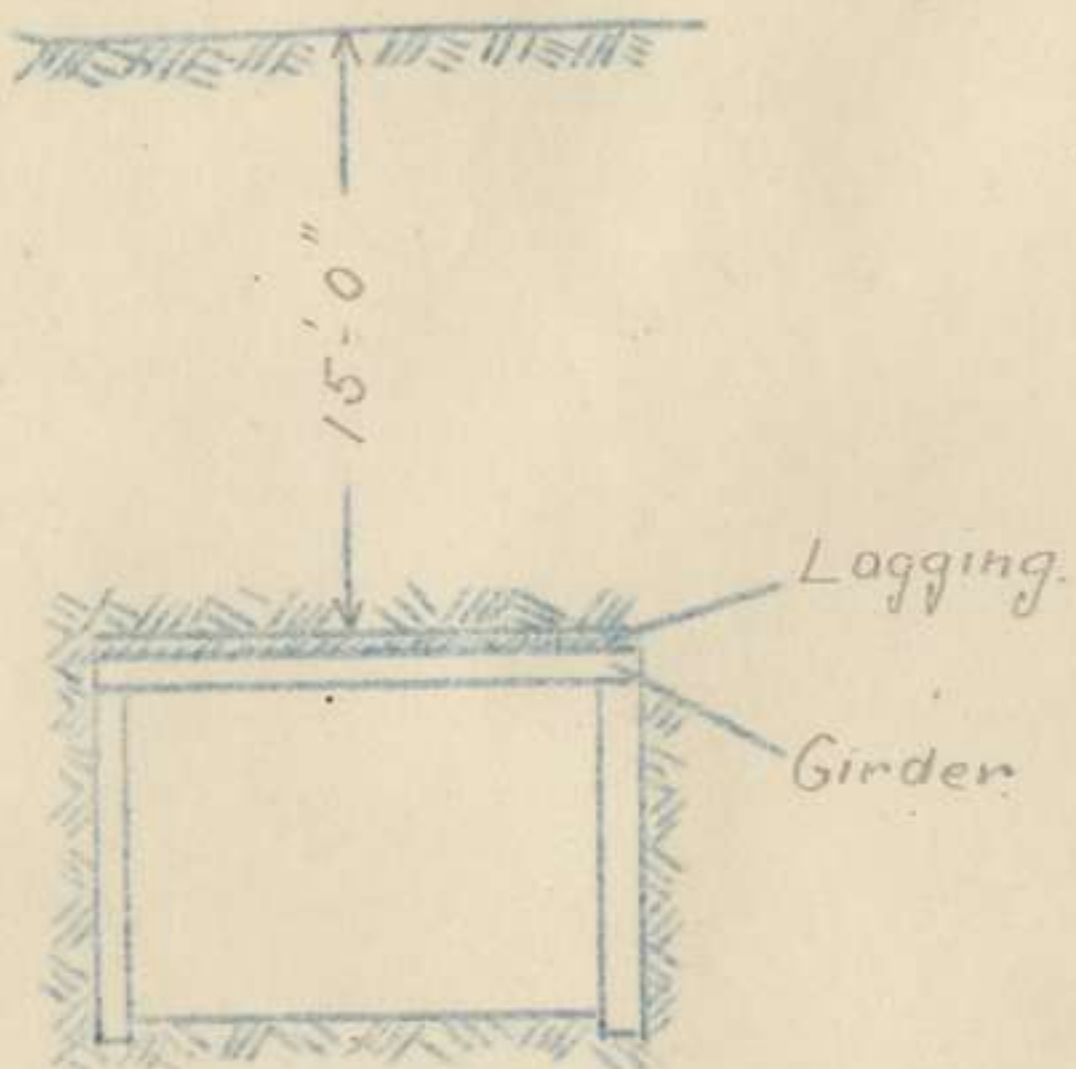


3rd Australian Tunnelling Coy.

Enlargement of Dug-out 6+7 Village Line. Sheet. 44^A.

Ref: A 21a. 00-40. cover. 15'-0".

Sketch K.



APPENDIX

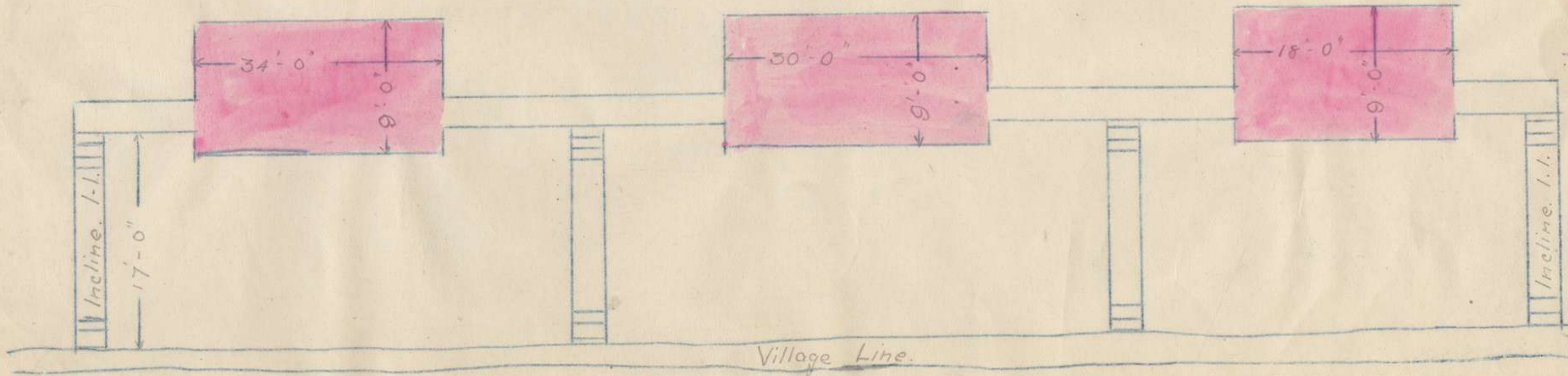
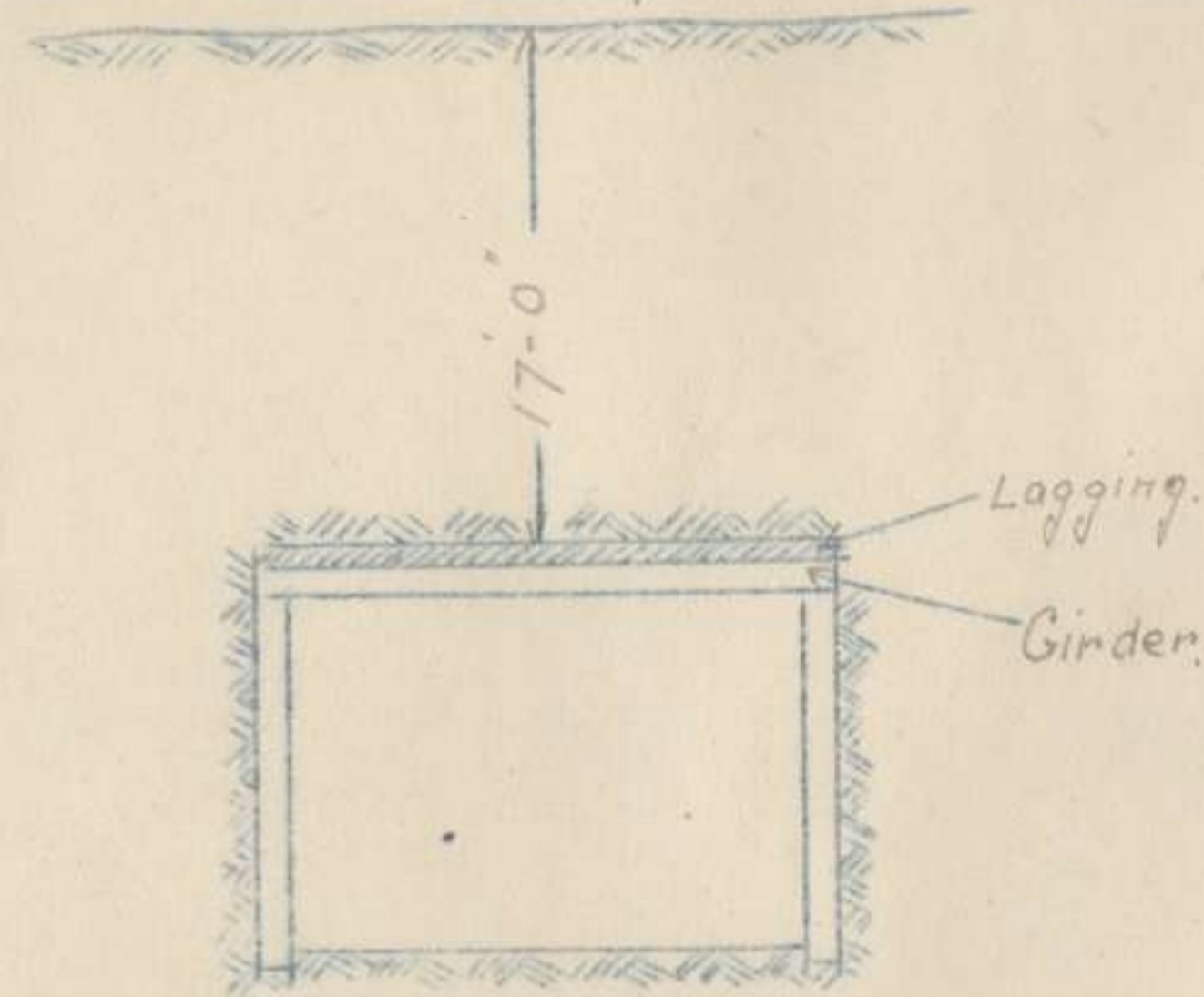
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108.

3rd Australian Tunnelling Coy.
Enlargement of Dug-out N^o 23 Village Line. Sheet 44^A
Ref: A20d. 95-30. Cover: 17'-0"

Sketch L.

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APPENDIX 109

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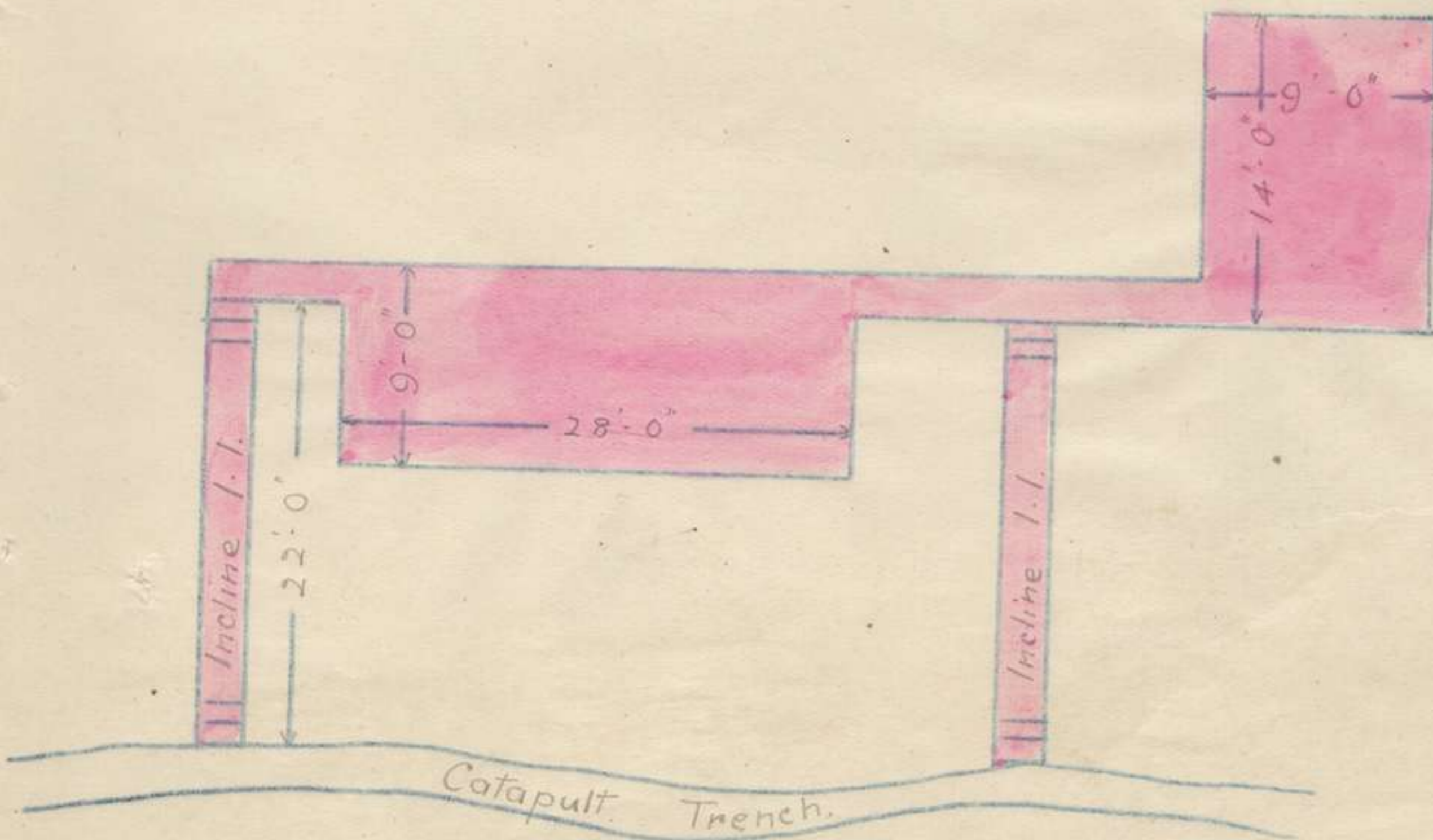
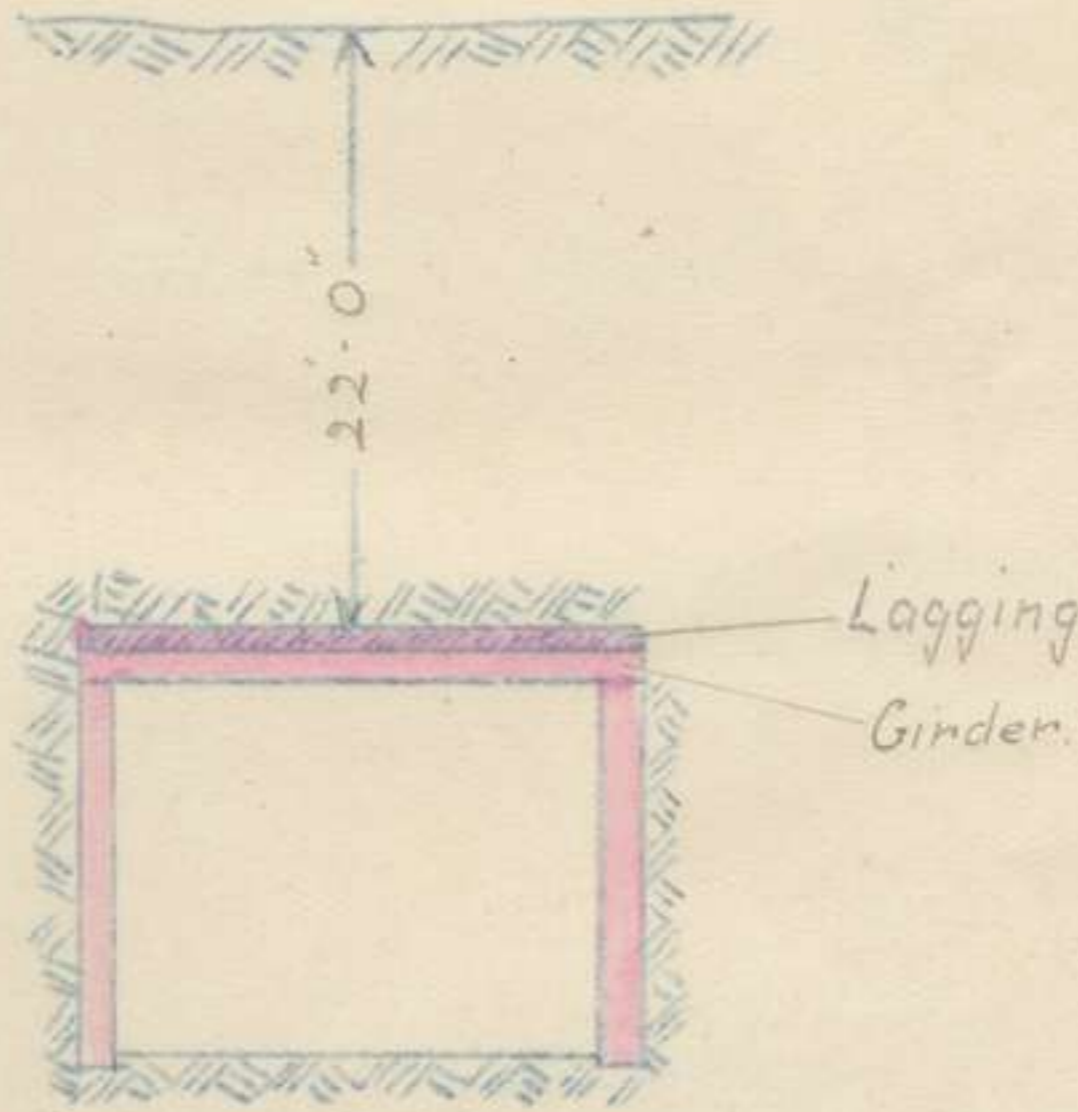
3rd Australian Tunnelling Coy.

Catapult Trench Dug-outs. Sheet 44^A

Ref: N.I.b - 90-60.

Cover 22'-0"

Sketch "M"



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APPENDIX

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3rd Australian Tunnelling Coy.

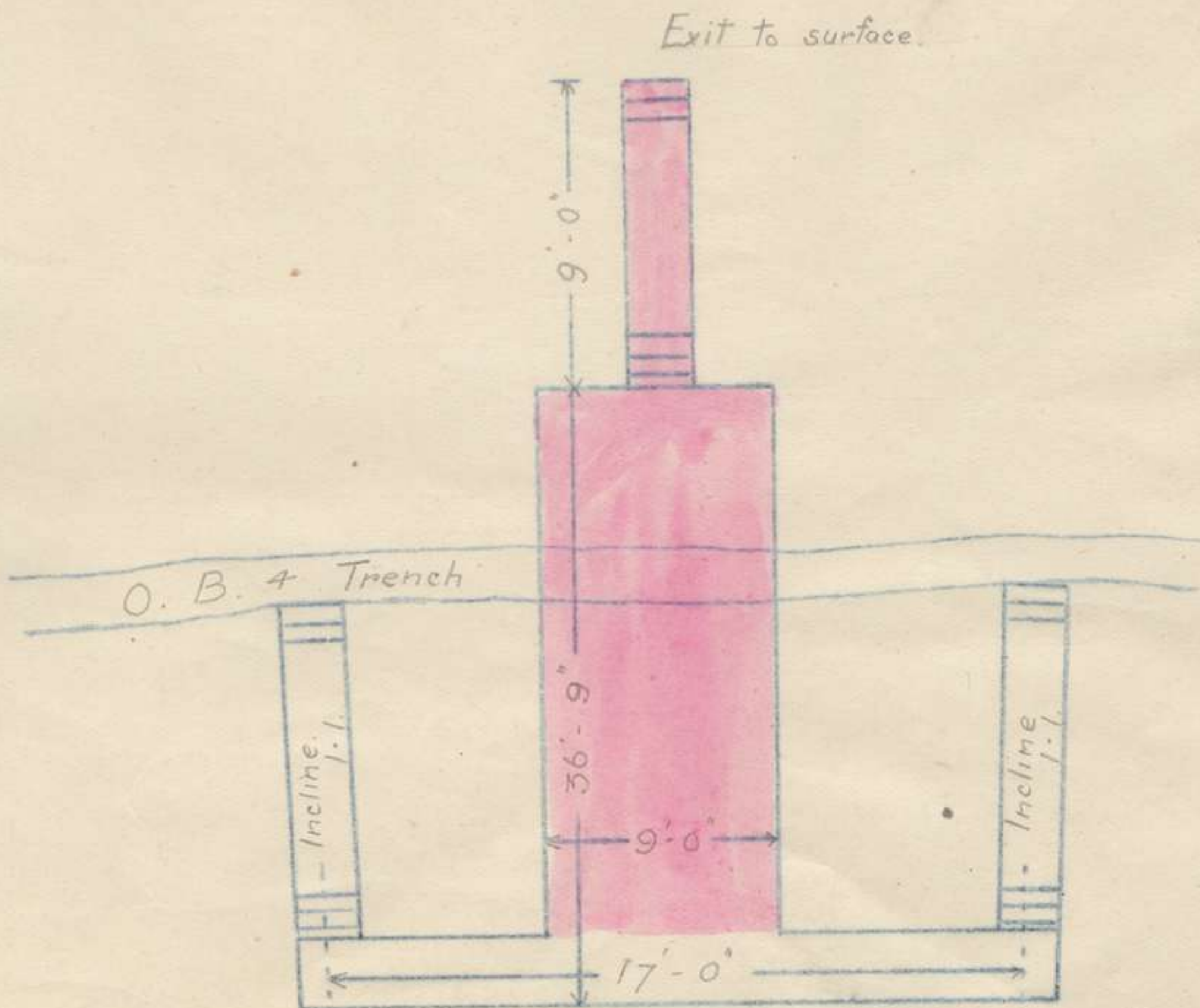
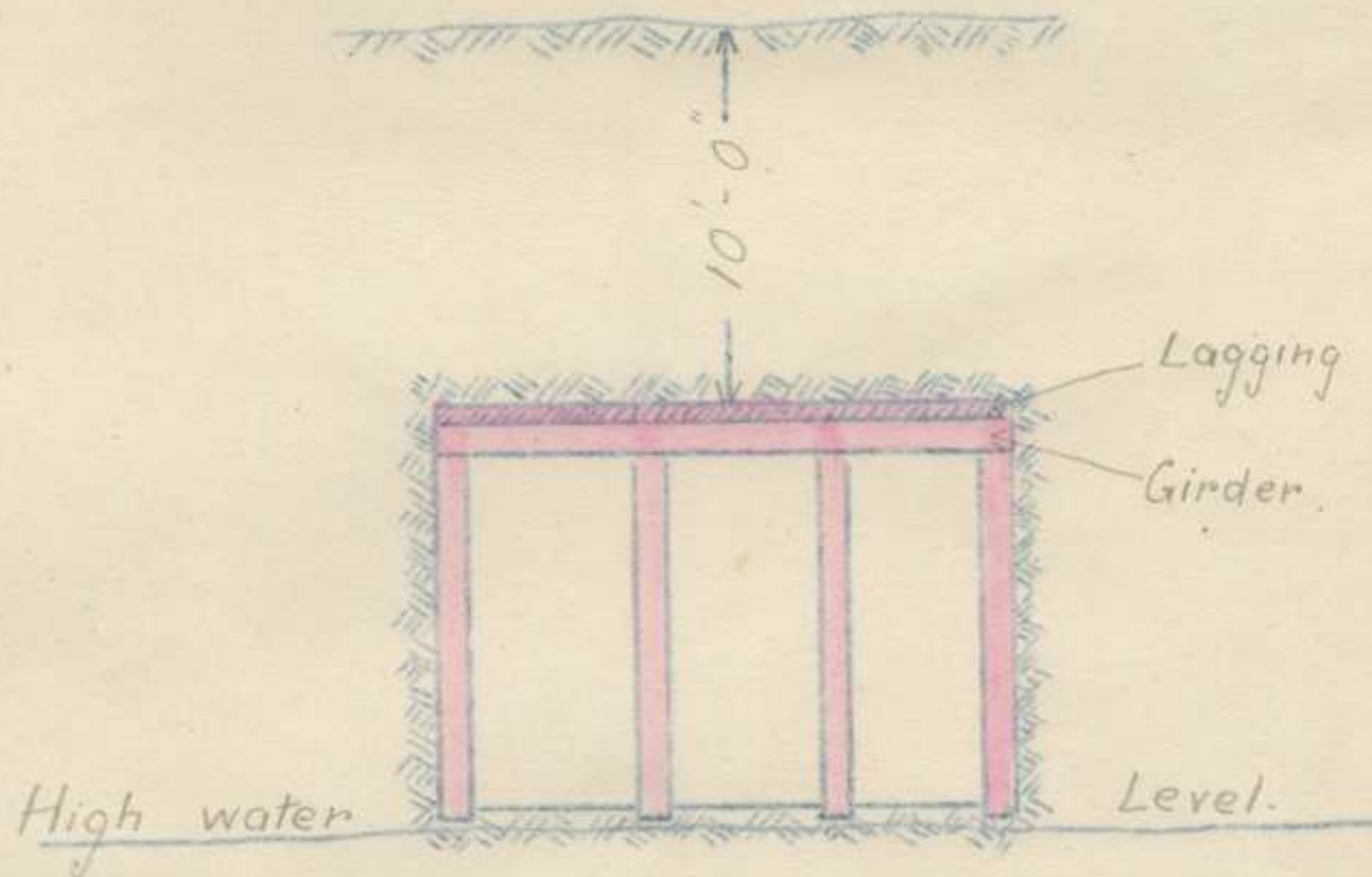
O. B. 4. Trench. Dug-out.

Sheet 44^A

Ref: Glob. 60-40.

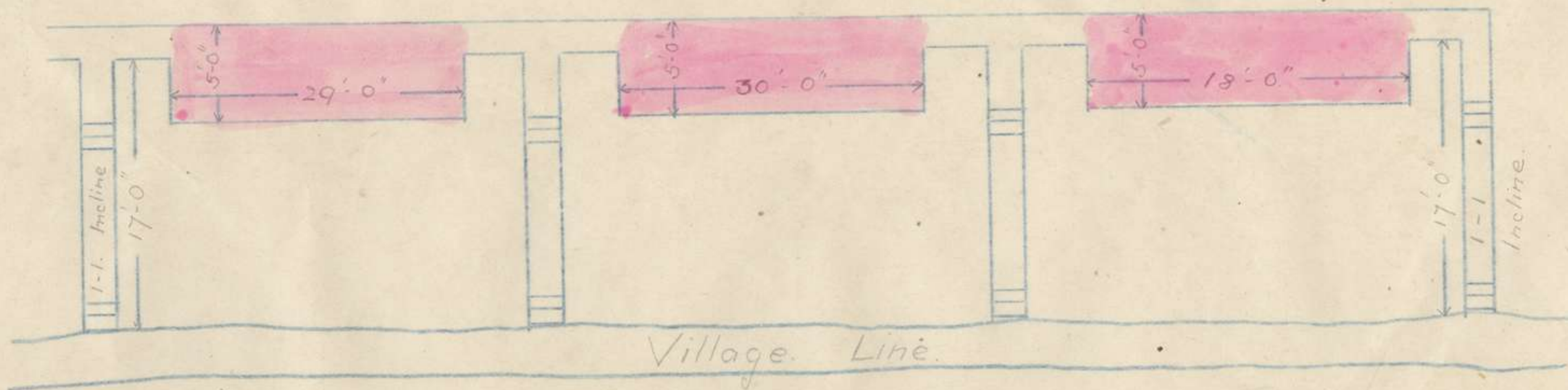
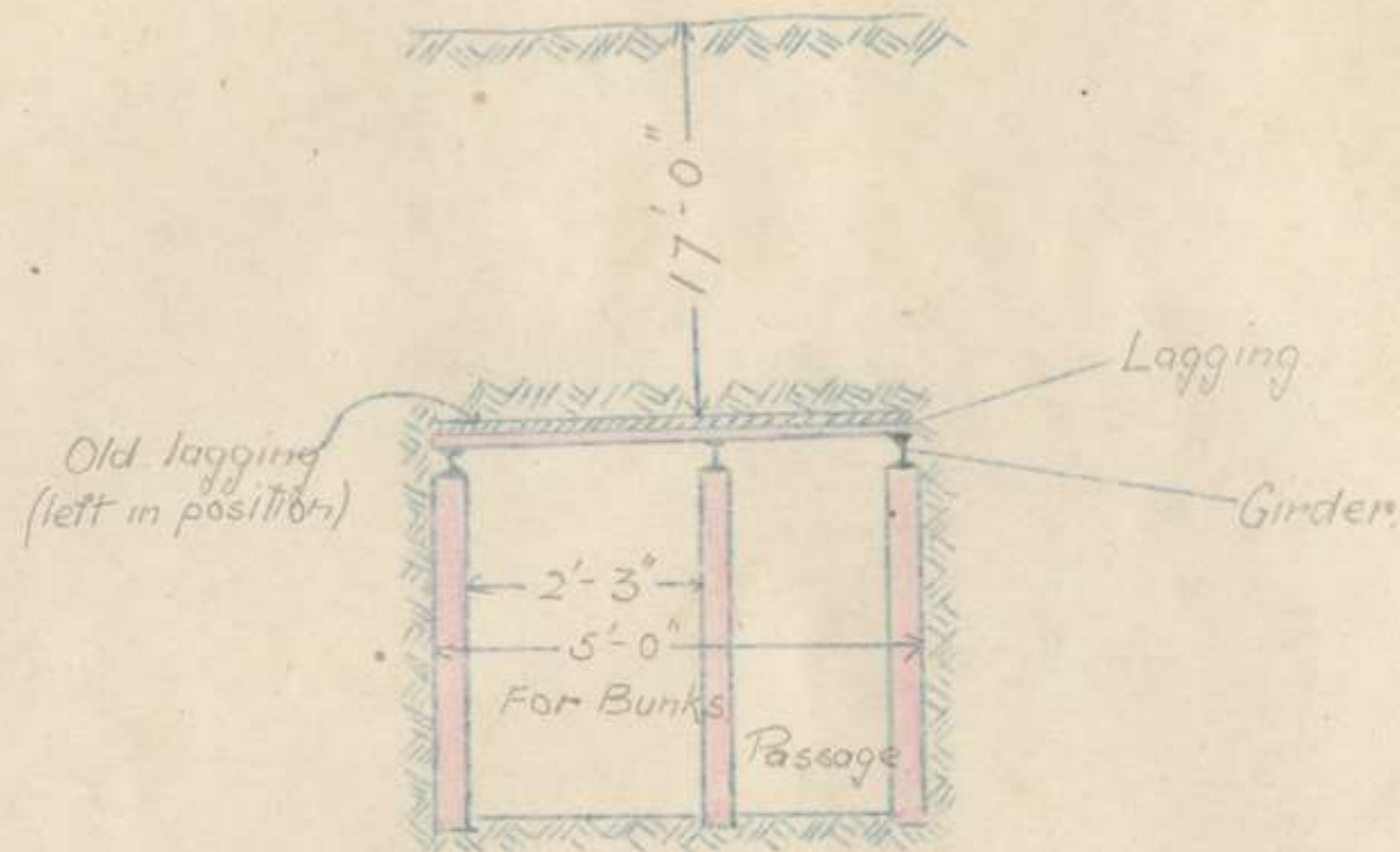
Cover 10'-0"

Sketch "N"



3rd Australian Tunnelling Coy.
 Strengthening Dug-out. N^o 24. Village Line. Sheet 44^A.
 Ref: A.20.d 95-50. Cover. 17'-0"

Sketch "P"



APPENDIX

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113.

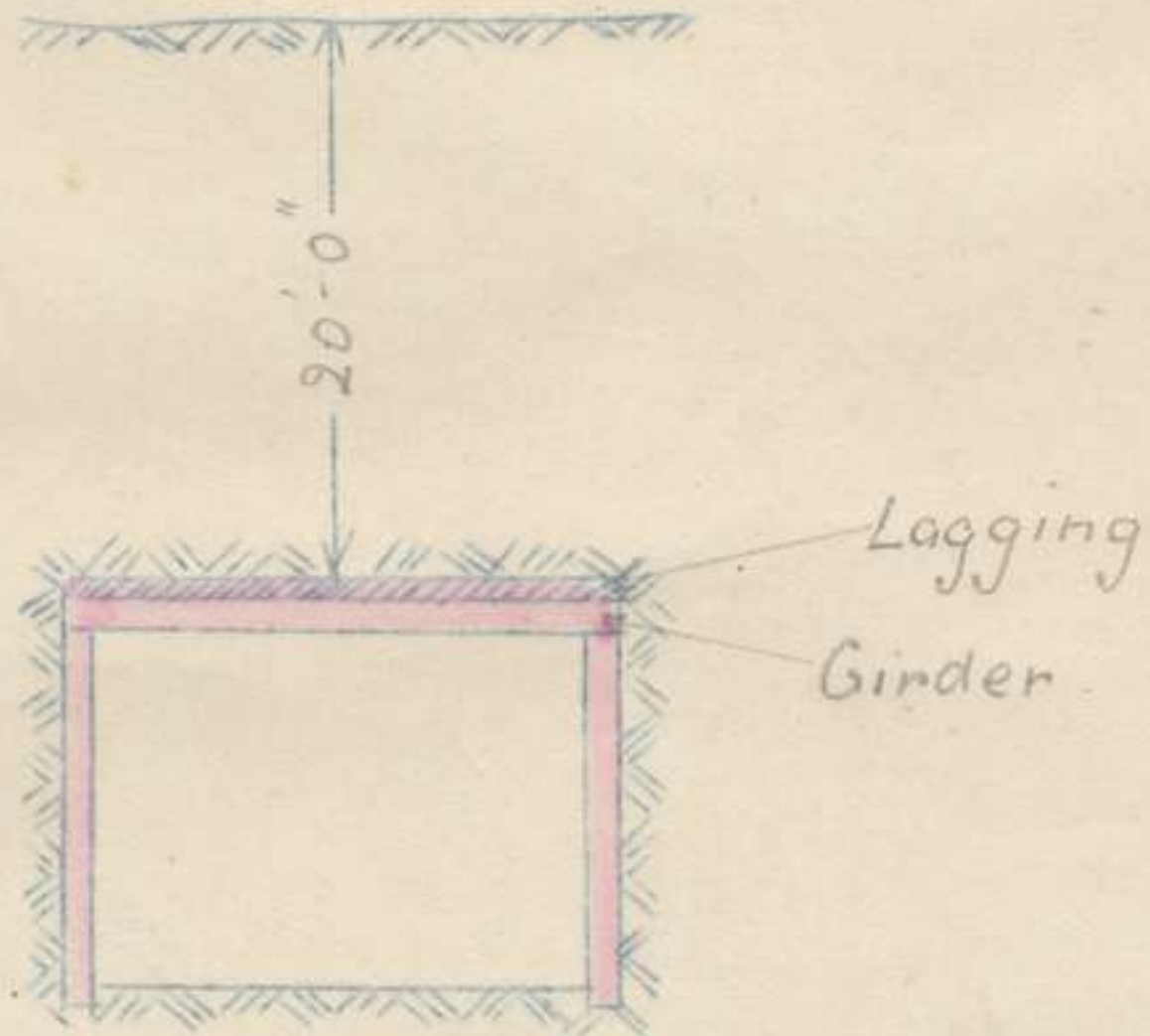
APPENDIX

3rd Australian Tunnelling Coy.

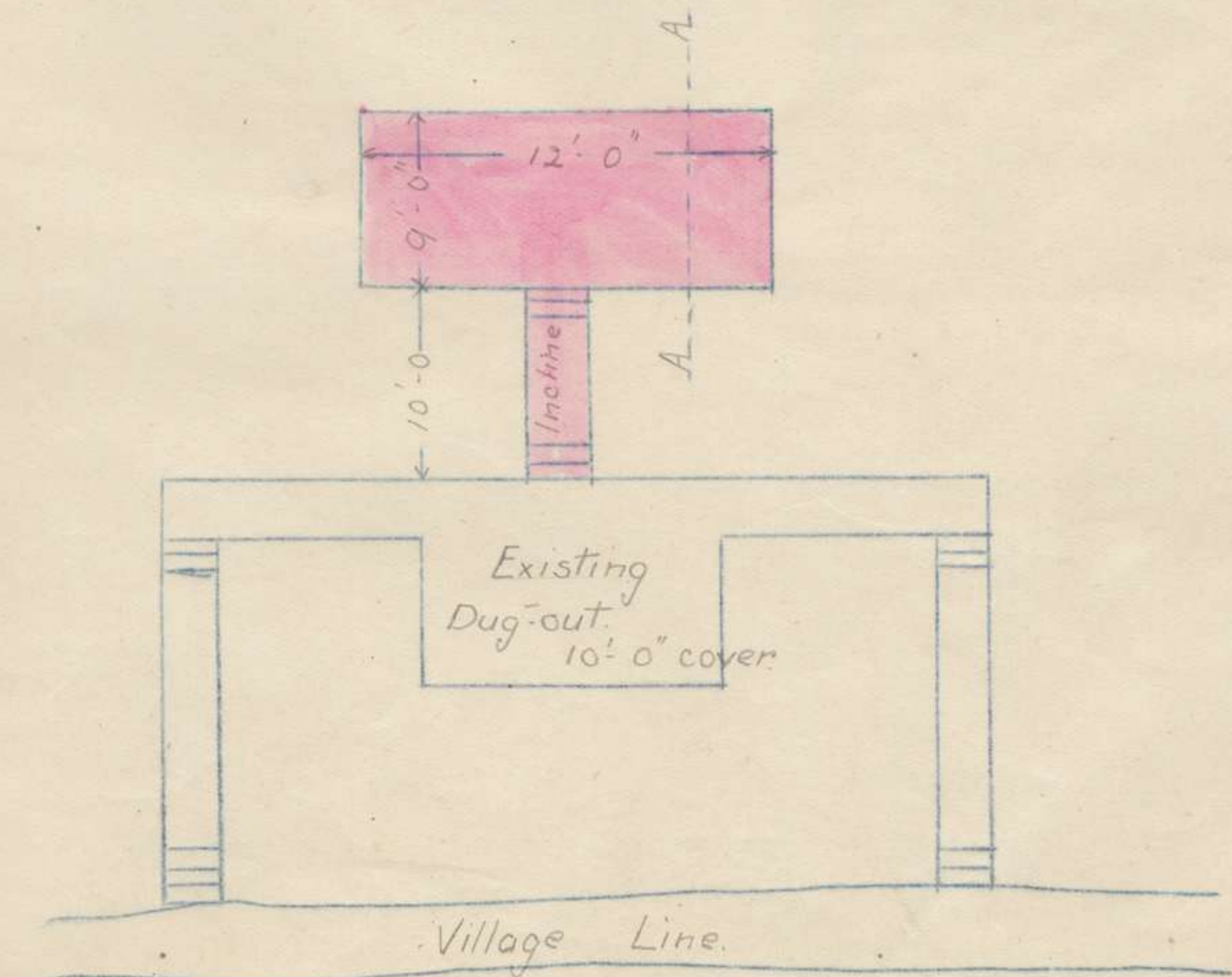
Dug-out in Village Line for M.G. Team. Sheet 44^A. Ref. A21c. 12-70.

Cover. 20'-0".

Sketch "Q"



Section A-A.



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114.

3rd Australian Tunnelling Coy.

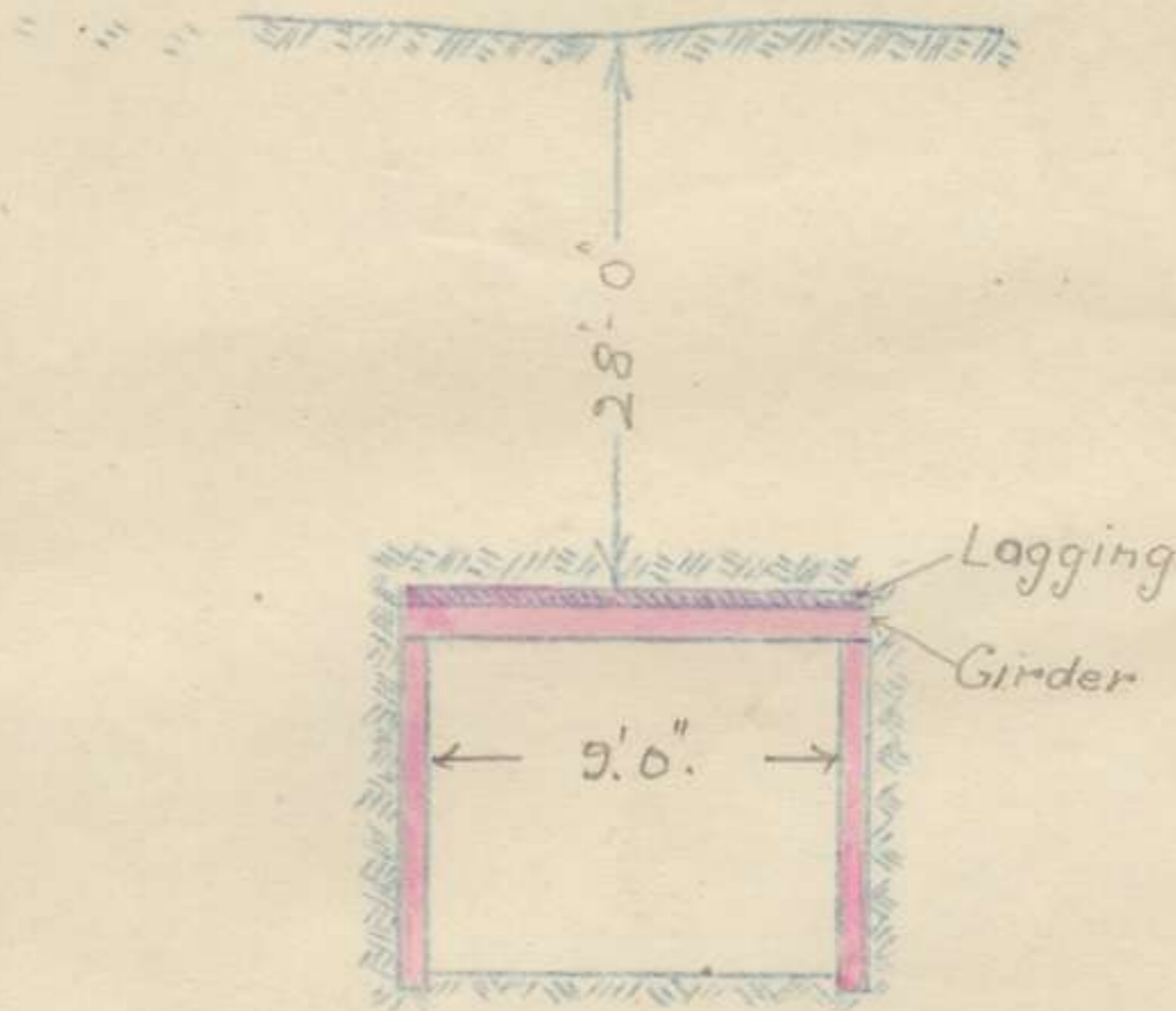
Fan Chamber. The Oval.

Steel 44^A.

Ref: G18a: 60-70.

Cover. 28'-0"

Sketch "R"



Section A-B.

