

AWM4

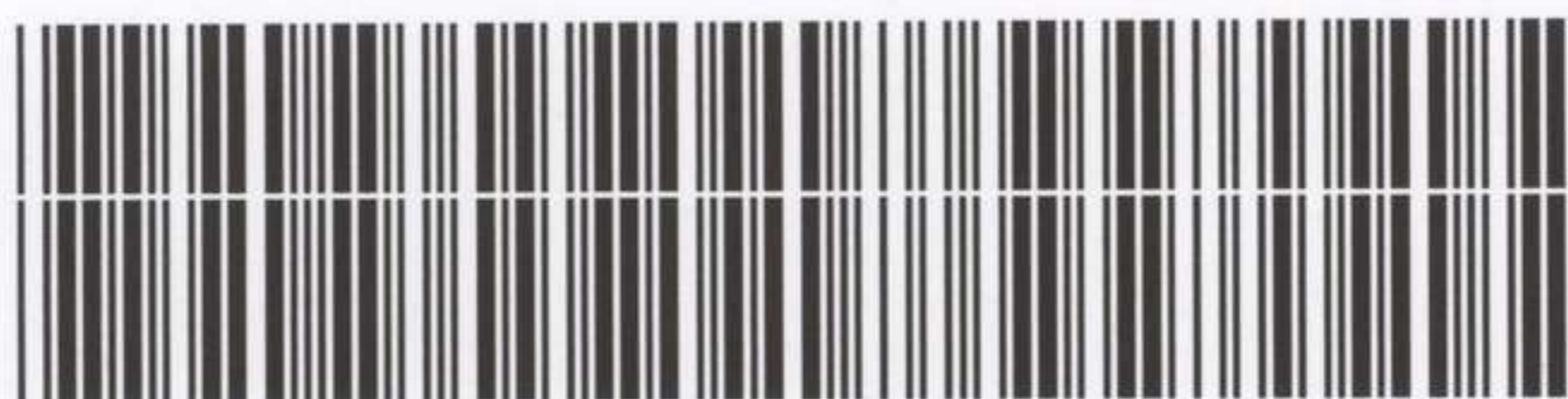
**Australian Imperial Force unit war diaries,
1914-18 War**

Medical, Dental & Nursing

Item number: 26/77/16

Title: 2nd Australian Sanitary Section

July 1917



AWM4-26/77/16

WAR DIARY

or

2nd San Sect

Army Form C. 2118.

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

INTELLIGENCE SUMMARY.

(Erase heading not required.)

VOLUME 18

Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
<p>BAPAUME 2ND AUSTRALIAN SANITARY SECTION.</p> <p>No.</p> <p>Date</p>	1/7/17.		<p>20th Division evacuating the area. 62nd Division marching in. Some 20th Division Units have left their camps in a dirty state, these were reported to Divisional Hqs. immediately. Street inspection of the area is being maintained during the change over.</p>	
	2/7/17.		<p>Work in Bapaume is progressing very satisfactorily & streets & billets are being cleaned up persistently. Bapaume is already much better fitted for use as a billeting town should it be required during the winter. Manure dumps formed & units notified as to the dumps to be used by them.</p>	
	3/7/17.		<p>Sketch plans of all villages in the area, with their surroundings, prepared & handed over to the incoming Town Major. These plans show all the sanitary works erected by the 2nd Sanitary Section, including all Public latrines, Urinals, Incinerators, manure dumps etc. Also all wells, water points & Baths. Saw Town Major (Frocueil - Baugnotre area) personally & gave him copy of the plan of his area, & discussed matters of sanitary improvement, & question of working parties required.</p>	
			<p>Saw A D S 62nd Division & arranged for working parties, & for water duty men to be placed on wells & water points for purpose of guarding & of chlorinating all water leaving the points. Men on water duty may chlorinate the cists personally, as long as they do this at the water point & under supervision of the water detail.</p>	
			<p>Inspected VAULX - VRAUCOURT area. Saw the Town Major. Gave him a plan of the area, & discussed sanitary requirements.</p>	

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<p>BAPAUME. 2ND AUSTRALIAN SANITARY SECTION.</p> <p>No.</p> <p>Date</p>	<p>4/7/17.</p>		<p>Inspected LIGNY-THILLOY area & saw R.M.O 2nd Aust. Pioneer Bⁿ camped here. Decided to close two wells, allowing three wells to remain in use. These three wells will have water details posted on them to chlorinate all water. The water details will be provided by the battalion. A copy of instructions issued to water details was sent to the R.M.O.</p>	
	<p>5/7/17.</p>		<p>Sanitary conditions good considering wrecked state of village. Serbian barrels in good working order. Other sanitary works satisfactory.</p> <p>Inspected Bapaume. Work progressing well. Inspected Railhead & saw the R.T.O reference incinerator at railhead. Inspected Y.M.C.A tent etc.</p> <p>Inspected Biefvillers & area. Satisfactory. Good progress in public latrine equipment.</p>	
	<p>6/7/17.</p>		<p>Inspected FAUREUIL area. Saw Town major re work in progress.</p> <p>54th & 55th Batterys 5th Div A.I.F. (reported on 29/6/17 for leaving camp dirty) sent back a working party & cleaned up satisfactorily. Certificate to this effect given.</p> <p>Reduced the amount of B.P. to be used in Bapaume water supply. This supply is now very good indeed & very copious. Only 1/2 measure B.P. is required per 100 galls. Notices were altered to this effect.</p>	
			<p>Inspected back portion of the area. Conditions very fair.</p> <p>a class of 18 water duty men were instructed in their duties & in the use of stock solution in chlorinating water. by Sgt HOLMES.</p> <p>Arrangements are in progress for placing tanks at all waterpoints, which are to be chlorinated in bulk, & water for water bottles petrol tins, devices etc then drawn from the chlorinated supply in the tank. This will obviate the necessity for chlorinating each small receptacle separately.</p>	

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BAPAUME. 2ND AUSTRALIAN SANITARY SECTION.	7/7/17.		Inspected Bapaume, Fossecul, Beagnatue & Biefoilleus. New working parties are doing good work. 62nd Division Units are keeping camps in good order.	M/M
	8.7.17.		Inspected Thilloz & Signy Thilloz reference water supply. Water details are now posted on the wells. Two wells have been closed down & are not in use.	
	9.7.17.		Handed over forward part of my area to Capt Carson R.A.M.C. 10th Sanitary Section who has now moved in. This is apparently a new rearrangement of sanitary sections but no previous notification has been given to me. No communication received by me from IV Corps regarding any such rearrangement.	
			Area handed over comprised all that at present occupied by 62nd Division. I still retain the area to rear of this as far as the Busse Valley, including BAPAUME, Signy Thilloz, Thilloz & Le Padouque, Biefoilleus & Grevilleus.	
			Handed over personally to Capt Carson, & furnished him with maps & plans of his new area with all sanitary works marked in, & also information re water points, wells etc.	
			Paid Unit, & completed acquaintance rolls ^{no 13} & forwarded them to Field Cashier 2nd Aust Div.	
	10.7.17.		Inspected Signy Thilloz & Albert Rd. more ablution benches required, & better drainage provision. Received visit from O.C. no 21 Sanitary Section who evidently has instruction to take over portion of my area, but no notification of this has been sent me by IV Corps.	M/M?
	11.7.17.		Conference at Corps Hq. DDMS office. But nothing of sanitary importance discussed. Representations made to Corps through DDMS re labours for cleaning up Grevilleus area (Corps reserved area) but Corps replied that no labours available for this sanitary work. For similar reason no water detail can be provided for water point in Grevilleus.	C3

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<p>Bapaume</p> <p>2ND AUSTRALIAN SANITARY SECTION</p> <p>No.</p> <p>Date</p>	<p>12/7/17.</p>		<p>Inspected Bapaume & area. New Toron Major appointed to Bapaume. Interviewed him in connection with the work in progress & that still to be done & arranged for a continuance of the working parties supplied by the ex Toron Major. Work is progressing very satisfactorily. Streets & billets being rapidly cleaned up. Inspected billets left by 354th Siege Battery RGA & found them dirty. Sent memo to O.C. Battery & asked for party to be sent back to clean up.</p>	<p>###</p>
	<p>13-7-17.</p>		<p>Visit of inspection to back part of area (Old Somme battlefield). This area is practically deserted & only little sanitary work can be done, or is really necessary. Pte GUTHRIE went on leave to U.K. Sent my corporals out to show men of No 10 Sanitary Section over the area handed over to that section, so that the new section may ease on the work in progress.</p>	<p>###</p>
	<p>14-7-17.</p>		<p>Adjusted matters in connection with alteration in allottee of Pte Corrigan (No 388) & forwarded papers to Postmaster atd of Angas Hqs. Arranged with R.T.O. at Bapaume for erection of a new incinerator at railroad. Public latrines now being erected in LIGNY-THILLOY & Biefolles. Also incinerators & other sanitary works.</p>	<p>###</p>
	<p>15-7-17.</p>		<p>O.C. 20th Sanitary Section (Imperial) has taken up sanitary supervision of Bapaume although no orders or intimation has been received by me that such a change was to be made. Saw O.C. 20th Sanitary Section personally & handed over control, giving him all particulars regarding work carried out & in progress, water points, wells, control of water supply & chlorination. Also supplied him with a map of the area showing all sanitary works, public latrines & incinerators. The town is well supplied with these, there being over 60 public latrines, & 9 public incinerators within the town boundaries. The work of cleaning up billets & making them habitable</p>	<p>###</p>

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
<div style="border: 1px solid red; padding: 2px; margin-bottom: 5px;"> BAPAOME. 2ND AUSTRALIAN SANITARY SECTION. </div> <div style="border: 1px solid red; padding: 2px;"> No. _____ Date _____ </div>			is still being energetically carried out, many hundreds of loads of refuse being removed each week by working parties under sanitary section supervision	###
	7.17		N.C.O's of 20th sanitary section shown round the area handed over to that Unit by me. These N.C.O's were personally shown all over the area by my own N.C.O's thus facilitating the work of the sanitary section now taking over the duties. Public latrines are being increased in Segue Thilloz & Biefoillens. by my unit.	###
	17.7.17		Carrying on work in Biefoillens, Segue Thilloz & Albert Rd as far as valley of the Anere this being only portion of my area now remaining.	###
	18.7.17		Tour to Div Supply Pl. for overhaul & to pick up relief driver to replace Dr Toy. Proceeding on routine work in office & in the section of area still under my control.	### Proceeding on leave
	19.7.17		Dr PITTMAN temporarily attached to Unit to relieve Dr Toy proceeding on leave to U.K. Prepared nominal Roll of Staff Sgts & Sgts. of this unit, with all particulars of service & report in each case as to suitability for Promotion, this having been called for by DDMS 1st Angou in connection with the compilation of a Seniority Roll.	###
			Inspection of area including Segue Thilloz, Albert Rd. Grevillers back to Miles & Pys is being continued & work being carried on. This is the only portion of my area not actually handed over to other sanitary sections.	###
	20.7.17		Inspected back area as far as Miles & Pys. Except at Segue Thilloz & on the Albert Rd there are practically no camps, & only small salvage parties. Very little sanitation work is required. No dead animals discovered. Country all deep in grass.	###
	21.7.17		Dr Toy went on leave to United Kingdom. Seven men of 48th Division temporarily attached to 2nd Aust Sanitary Section for duty, were today returned to their units, as the 48th Division is moving away.	###
22.7.17.	(Sunday)		Paid Unit & forwarded Requisition Roll. (to 14) to Paymaster 2nd Australian Div immediately	###

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Place	Date	Hour	Summary of Events and Information	Remarks and references to Appendices
BAPAUME. 2ND AUSTRALIAN SANITARY SECTION. No. Unit	23/7/17.		Received Orders from 1st Aust. Div. to rejoin 1st Aust. Div. & to proceed to 1st Inf Bde Hqs in order to entrain with 1st Inf Bde Group from Edgell Hill on 26/7/17 would 5.50 1st Aust. Div. regarding rationing arrangements during & after the move. made all arrangements for shifting out of camp on 25th inst & moving to Dernancourt where 1st Inf Bde Hqs is situated.	
	24.7.17.		Prepared sanitary section monthly report for July. I/O C. 20th sanitary section regarding handing over this camp & all material, stores etc to him. He will move into this camp on my departure. sent blankets (36) & other material, clothing etc, not actually required, to Ordnance sent memo to O/C 354th Battery R.G.A. referenced his denial of insanitary conditions in the camp evacuated by his Unit in Bapaume on 11/7/17.	
	25.7.17.		Marched out of camp near Bapaume at noon. Unit entrained for Albert. Motor lorry moved by road to Dernancourt. I went by Horse to Dernancourt & reported to Brigade Major 1st Aust. Inf. Bde. & arranged for billets for my unit in Dernancourt for the night, also stabling for the horse. Unit marched into Dernancourt from Albert at 10 p.m. & were billeted. Camp at Bapaume, with all material, stores etc was handed over to O/C 20th sanitary section.	
DERNANCOURT.	26.7.17.		Unit entrained at EDGE HILL at 16.22 on No. 1 train (1st Inf Bde Group) for Bavinchoise near Hasebrouck. Motor lorry went with 1st Div. Supply Col. Convoy via Dullens. St. Pol. Telleux & St. Venant to Hasebrouck. I went with the convoy & reported to 1st Aust. Div.	

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26.6.17			Headquarters A. Branch. & ascertained where my unit was to be billeted. This was in a camp located at Vg d 3.9 map 27. near Hondeghem. Visited this camp & arranged for unit to occupy a certain section of the camp. Proceeded with lorry at 12 (midnight) to Basmechove. Unit entrained at 2 a.m. & marched into camp at 4 a.m. 1 Officer. 37 other ranks. Missing NIL.	
<div style="border: 1px solid red; padding: 2px;"> 2ND AUSTRALIAN SANITARY SECTION. </div> No. _____ Date _____	27.7.17		Marching in state sent to D.D.M.S. 1st Army; A.D.M.S. 1st Aust. Div. & O.C. 1st Aust. Div. Reported personally to D.D.M.S. 1st Army & to A.D.M.S. 1st Aust. Division. Neither of these had any instructions for this unit, not having yet received any notification from Army as to the disposal of this unit. On advice of A.D.M.S. 1st Aust. Division I sent monthly report for July to D.M.S. 3rd Army direct, as I am not yet under the administration of either Army Corps or 1st Australian Division. The report deals with work carried out in the 3rd Army area.	
	28.7.17		Sanitary improvements carried out in the camp at Vg d 3.9. Latrines put in incinerator built.	
	29.7.17		Arranged with 3rd Field ambulance to carry out necessary sanitary improvements. Saw O.C. 3rd F. ambulance personally. Also visited O.C. sanitary section in the area & the Area Commandant at staple, but could get no material of any kind for carrying out necessary sanitary work. Notified Area Sanitary Officer of need for material & for work to be carried out at camp at Vg d 3.9. 3rd Field ambulance. Meantime only rough sanitation is possible.	
	30.7.17		Received instructions from 1st Army Corps that 2nd sanitary section will for time being be attached to 1st Aust. Division & will carry out sanitary duties in the area occupied by the division & will arrange with the Area Sanitary Officer for the partition of duties in that area.	

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APPENDIX 2ND AUSTRALIAN SANITARY SECTION.

8

Report for month of JULY 1917.

Forward Area

3rd Army

2nd Australian Sanitary Section

24.7.17.

Furnished to DMS. 3rd Army.

During this month (JULY) the area worked by the 2nd Australian Sanitary Section, has been handed over bit by bit to other Sanitary Sections, so that continuous work by this Unit has not been carried out throughout the whole area, the area under my control being gradually reduced.

On July 12th the whole of the forward part of the area, comprising the 60th Divisional area, & including HAVLX - VRAUCOURT, BEUGNATRE & FAUREUIL was handed over to the 10th Sanitary Section.

On July 15th The B.F. Area, including BAPAUME was handed over to 20th Sanitary Section

On July 17th. The 34th Sanitary Section undertook the work in the back part of the area. A certain amount of work has still been carried on by 2nd Australian Sanitary Section in a round being Thilloz & the Albert-Bapaume Rd.

In handing over to the several sanitary sections as shown above, maps & plans of the locality with sanitary works marked down, were given to the incoming sanitary section, together with all necessary particulars regarding work in progress, water supply & sewerage etc.

On July 23rd instructions were received for 2nd Aust. Sanitary Section to vacate this area & rejoin the 1st Australian Division for further movement.

I 42
Billets.

Billets. & other Quarters.

a. Nature, in front line & support lines, trenches and shallow dugouts in sunken roads. Elsewhere, in billets in the wrecked villages or under canvas in the open country around these villages.

Recently more camps have been formed, & the number of troops billeted in the villages is correspondingly reduced. This is a distinct improvement. The country on this ridge is ideal camping ground, & the troops are best off under canvas during the summer.

Still more recently the formation of permanent camps has been begun. The ground on this ridge holds water & becomes very boggy after rain. Good drainage should be ensured in the permanent permanent camps.

c. There is no overcrowding.

d. General conditions. The Villages have been still further improved & are now in a sanitary condition. Permanent working parties with G.S. Wagons were obtained from the Divisions in the Area, & worked under supervision of the Sanitary Section.

The work done by these parties included: burning & burying refuse accumulations; burning or destroying old German latrines; filling in shell holes, trenches etc fouled by troops; filling in offensive sumps & cess pits; cleaning out dugouts & billets; burying dead animals; spraying offensive matted heaps; spraying offensive ponds of stagnant water with oil, & where possible draining or filling them in; erecting public latrines, urinals & incinerators. In this way the villages have been rendered sanitary, & fly breeding has been minimized. The Camps have been maintained at a high

3

Sanitary level by the troops. & are well supplied with latrines, incinerators, ablution benches, grease traps & other sanitary works. In the forward part of the area good progress has been made by units in providing deep pit fly proof latrines to replace the shallow trench or any imperfect pan system. Public latrines have been erected by the sanitary section in Vaucluse - Vancourt & the ramken roads in the neighbourhood.

2.

WATER SUPPLIES.

a. Nature of Supplies.

The water supply is obtained

1. From water points on main roads, water being pumped from wells or boxes.
2. From wells, especially in the front area.

There are only twelve wells in use in the area the number having been reduced to a minimum to enable proper supervision.

5 of these wells have pumping plants, supplying the water to water points at a short distance so that the well is in no danger of pollution.

7 are open wells with windlass & bucket. Of these 7, two are used for washing purposes only.

b. Chlorination. Has been satisfactorily carried out on the whole. The details are given in the special water point & Summary attached to this report.

c. Water points. The area is well stocked with water points, water being supplied to standpipes for water carts; to dixie fillers or tanks for smaller vessels; & to troughs for horses. The water is of excellent quality; in many cases being obtained from deep boxes & reticulated from well protected reservoirs so that contamination is impossible.

With the provision of these water points, wells have been closed down completely & only a few of the best now remain in use. Most of these are provided with a guard who controls the chlorination of the water.

4.

APPENDIX.

Water points & wells are situated approximately

Place	Location	Nature of Supply	Remarks
NOREUIL	C 10 d . 1	well.	Pump attached.
"	C 10 c 8.2.	well	Drinking water.
LAGNICOURT.	All wells	condemned.	Fouled or poisonous
VRAUCOURT	B 24 d 7.6.	Well. (sucerie).	Pump supplies a water point.
VAULX.	C 26 a 7.2	well.	Canoas band pump supplies water point & Horse troughs.
	I. b 7.4	Shallow well	
BEUGNATRE.	H 11 c 9.2	Water point & Horse troughs	} all supplied from a deep bore.
	H 17 b 6.9.	Water point for water carts	
	H 17 b 5.7	Water point & Horse troughs	
FAUREUIL	H 16 a 5.2	well.	Baths supply
	H 16 a 3.2	Water point & Horse troughs	Supplied from Well by pump.
	H 15 b 9.1	Water point for water carts.	
BIEFVILLERS	H 19 a 9.1	well.	Washing Only
GREVILLERS	G 30 a 9.2	Water point	Compression pump attached. Water raised from deep wells
BAPAUME.	H 34 b 7.3	Water point & Horse troughs.	Bancourt Rd Water Pt.
	H 34 c 5.8	Tanks & Horse troughs.	
	H 27 d 1.1.	Town Hall.	Stand pipes
	H 27 a 9.2	Sucerie.	Horse troughs & Water point
	H 28 c 6.1	well (deep).	
	H 34 a 2.9	well (deep).	
	<u>Lezing Thillay</u>	N 7 b 7.2	well
	N 7 a 8.9	well.	Pump & Windlass
	N 7 a 4.9	well.	Brick. Steered. Pump & Windlass.

Monthly Water Report2nd Australian Sanitary SectionJULY, 1917

Return of water carts, dippers, petrol tins, tanks etc from which samples were taken & tested to check regularity of water chlorination within the area

DATE.	Samples Tested				Results	
	Water Carts	Dippers	Petrol Tins	Tanks	Chlorinated	Unchlorinated
June						
26 th .	17	14	11	4	45	1
27 th	11	2	4	1	17	1
28 th .	9	7	-	5	20	1
29 th .	5	4	2	2	7	6
30 th .	4	3	7	2	16	-
July						
1 st	10	7	1	-	18	-
2 nd	8	-	1	3	10	2
3 rd	7	2	3	4	11	5
4 th	7	-	7	4	17	1
5 th	7	14	5	4	28	2
6 th	8	-	-	2	10	-
7 th	11	-	-	-	11	-
8 th	10	-	-	2	12	-
9 th	3	6	-	2	9	2
10 th	4	1	-	-	5	-
11 th	1	2	1	2	6	-
12 th	2	2	-	1	5	-
13 th	1	2	3	-	6	-
14 th	4	2	1	-	7	-
15 th						
16 th						
17 th						
18 th						
19 th						
TOTAL	129	68	46	38	260	21
			281			281

6.

Comments on monthly water report.

The figures show

Water carts inspected & tested	129.
Dixies	do 68.
Petrol tins	do 46.
Tanks.	do 38.

Total 281

Of these samples

Total found to be chlorinated 260.

Not chlorinated 21.

Total 281

Percentage chlorinated 92.6 %

Not chlorinated 7.4 %.

Most of the samples found not to have been chlorinated, were taken from dixies and petrol tins, the water having been drawn direct from wells in these small receptacles. As long as any well remains unguarded water will be drawn in this way & will escape chlorination.

As many men as possible were obtained from the divisions, & trained in chlorination duties, & were placed on wells & water points with instructions to personally chlorinate all water drawn in small receptacles, by means of stock solution of Bleaching powder.

The chlorination of water carts is left to the orderly in charge of the cart, but the man on duty at the water point is responsible for seeing that this orderly chlorinates the water cart before leaving the water point.

During the month 129 water carts were inspected & tested, & only 2 were found unchlorinated.

Unfortunately it was not possible to obtain enough water duty men to enable one to be continuously stationed at every well & water point during drawing hours. However, the number of wells in use was reduced to an extreme minimum.

7.

Consequently two or three wells were at times unguarded, with the result that a certain amount of water drawn in small receptacles escaped chlorination.

In Bigy Thiloy, where the only source of supply was from open wells, the C.O. 2nd Pioneer Battalion placed men on duty at the three wells in use, for guard & chlorination purposes. It will be seen that the principle of having a trained man on guard at each well & water point has been followed, but could not be perfectly carried out owing to shortage of men available. It has nevertheless resulted in the chlorination of the great bulk of water drawn (92.6%) & also in water being drawn in a cleanly fashion by troops.

In the event of an advance these guards on well will be more than ever necessary.

Food.

Food is good, & supplies plentiful.

More care is taken in protecting food from flies, dust & rats. Safes & covers have been made by units; & butter muslin for the purpose has been supplied through the sanitary section.

Cookhouses are well kept. Refuse is disposed of by incineration, except in the forward part of the area, where it is buried. Grease traps & soakage pits are extensively used. See summary at the end of this report.

BATHS

Baths & Ablution places.

Divisional baths are established at FAUREUIL & BAPAUME. Baths for Corps Troops at GREVILLERS.

In addition to these, a large number of small baths for units are in use. These take the form of showers, or plunge baths as explained in my previous report. Foot baths are also in use, ground sheets being let into a shallow trench for the purpose.

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as regards drainage from Bathes & Ablution places, it is found that the running of water into soakage pits, even after clarification is often unsatisfactory, as the subsoil is of clay, & non porous in many places. A system of surface irrigation works well the water being run along a drain & then turned by a cross drain into freshly broken up ground; where it is taken up by absorption & evaporation. The broken up ground can be renewed frequently.

5
LAUNDRIES

There are no laundries in this area.

6
DISINFECTANTS

Of blankets, clothing etc is done by Divisional arrangements of premises or billets, is done by Sanitary Section.

7
LATRINES

The Area is well provided with Public latrines & camp latrines. These are all of the standard deep pit, fly proof type, the pits being dug to a depth of 10 ft. The number existing in the Area is shown in the Summary at the end of this report.

8
URINALS

The system of Public latrines has been widely extended & there are now 139 of these in the Area. They have been erected mostly in the villages & in Bapaume & along the main troop routes. These latrines are erected & maintained by the Sanitary Section with the help of working parties obtained from the Division occupying the Area.

In Bapaume practically all the latrines are Public, there being 48 Public latrines in the town. The troops billeted in the town use these, & the erection of small imperfect private latrines behind billets is unnecessary & is disallowed.

No open pit latrines or temporary latrines now exist in the Area. All have been standardised to the deep pit fly-proof type, except in the

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9.
 extreme forward area, where some modification has to be made, but the principle of the deep pit type is adhered to as far as possible.

In Camps, the units provide their own fly proof deep pit latrines & urinals. Where difficulties in obtaining the necessary box seats, or materials to make them, exists, the units are advised to send any men with a knowledge of carpentering, to the sanitary section HQ workshop, where they can build for themselves the box seats required by their unit.

8.
REFUSE

Refuse disposal. In the area forward of VAULX refuse is buried in shell holes etc., but in all other parts of the area it is invariably incinerated.

In the villages the great accumulations of refuse & filth mentioned in ^{the} previous report have been cleaned up by working parties obtained from Division through the Town Majors. The units occupying billets remove their refuse day by day to the Public incinerators where it is burnt.

In Bapaume some thousands of loads of refuse & filth have been removed from billets, yards & streets, by working parties provided by the Area Commandant HQ works under the Sanitary section. These parties of about 25 men per day have been working every day for the past 3 months with the result that the sanitary condition of Bapaume is very greatly improved. Scores of old German latrines have been burnt out, & large accumulations of filth of all kinds burnt or removed, & various accumulations removed & buried in trenches outside the town. Billets have been cleaned out with the result that if necessary these billets can be repaired & used as winter quarters.

In Bapaume a system of scavenging has been in progress. Refuse from billets is gathered day by day by a scavenging party & taken to the Public Incinerators for burning.

In Bapaume & the various villages, public incinerators have been erected by the Sanitary Section, & are attended by men obtained from the Town Major.

In Camps. Units build & maintain their own incinerators.

In small units this is still disposed of by burning or burial in trenches, but the method of disposal almost uniformly carried out by units possessing more than a very few horses, is that of packing & blinding. Manure dumps have been established in convenient situations by Area Commandant & units are told off to their respective dumps, & the correct system of packing & blinding is explained. Mineral wood preservative oil is obtained from the Sanitary Section for the preparation of the ground on which the dump is to go. & this oil is also used to keep away flies. As time goes on this system of packing & blinding is being more & more satisfactorily carried out.

An improvement has been gained by the withdrawal of houses from Bapaume. Very few horses are now stabled in the town, & the old difficulty of tracing the blame for manure accumulations has been removed.

10. Antilouse & anti-scabies measures are carried out by Divisions.

11. Destruction of Rats. Rats are not at all present & no special measures have been taken.

12. Instruction in Sanitation. Classes have been held for purpose of instruction water details in their duties.

9.
HORSE
REFUSE

Infectious Disease

- a. There are no civil inhabitants in this area.
- b. Methods of Control. Instructions are issued in individual cases of infectious disease regarding isolation of patients & contacts where necessary, & any special measures necessary.

Disinfection is carried out as far as ^{is} possible under the conditions in which the disease occurs.

General Remarks

Flies are not at all prevalent in the villages & Camps.

In the trenches they are fairly numerous. Anti fly measures taken include:

1. Proper packing & blending of horse refuse together with use of mineral wood preserving oil.
2. Protecting food, & food waste.
3. Early incineration of refuse.
4. Use of deep pit fly proof latrines only.
5. Oil spraying.

Labour. Has been satisfactorily supplied by divisions.

Material. Obtained mainly from wrecked dwellings, or as salvage from the field.

Particular features. The sanitary control of the area is in good running order & there are no particular difficulties or features requiring attention.

A summary of work carried out in the area is attached.

2ND AUSTRALIAN SANITARY SECTION.	
NO.	25.7.17.
Date	

office copy
 J. Holmes Capt
 O.C. 2nd Australian Sanitary Section

Forward Area.

3rd Army.

July 1917.

42

Sanitary works erected by or under supervision of 2nd Australian Sanitary Section in undermentioned area, & handed over with the area to relieving sanitary sections.

Situation	Latrines (Standard)			Urinals	Incinerators	Ablution Benches	Grease traps	Baths in Use	Water carts Inspected.	Remarks.
	Public	Camp.	Seats							
Central Area										
Laureuil + area	16	188	653	197	63	121	215	1 Divisional 32 Unit.		Handed over July 17th 1917
Beugnatie.	14	33	141	39	16	10	15	2 Unit.		
Vaux Draucourt + area	39	57	367	61	11	17	16	6 Unit.		
Bapaume	48	9	249	59	14	18	27	1 Divisional 3 Unit.		
Savoillers	4	24	112	21	8	21	17	1 Corps Troops 3 Unit.		
Biepvillers Avenues.	7	50	228	59	17	16	25	2 Unit.		
Signy Hilloy + Albert Rd.	11	16	97	31	16	19	21	2 Unit.		
Total.	139	377	1847	467	145	222	336	53 including small Unit Baths.		
	all deep pit.									

Handed over July 17th

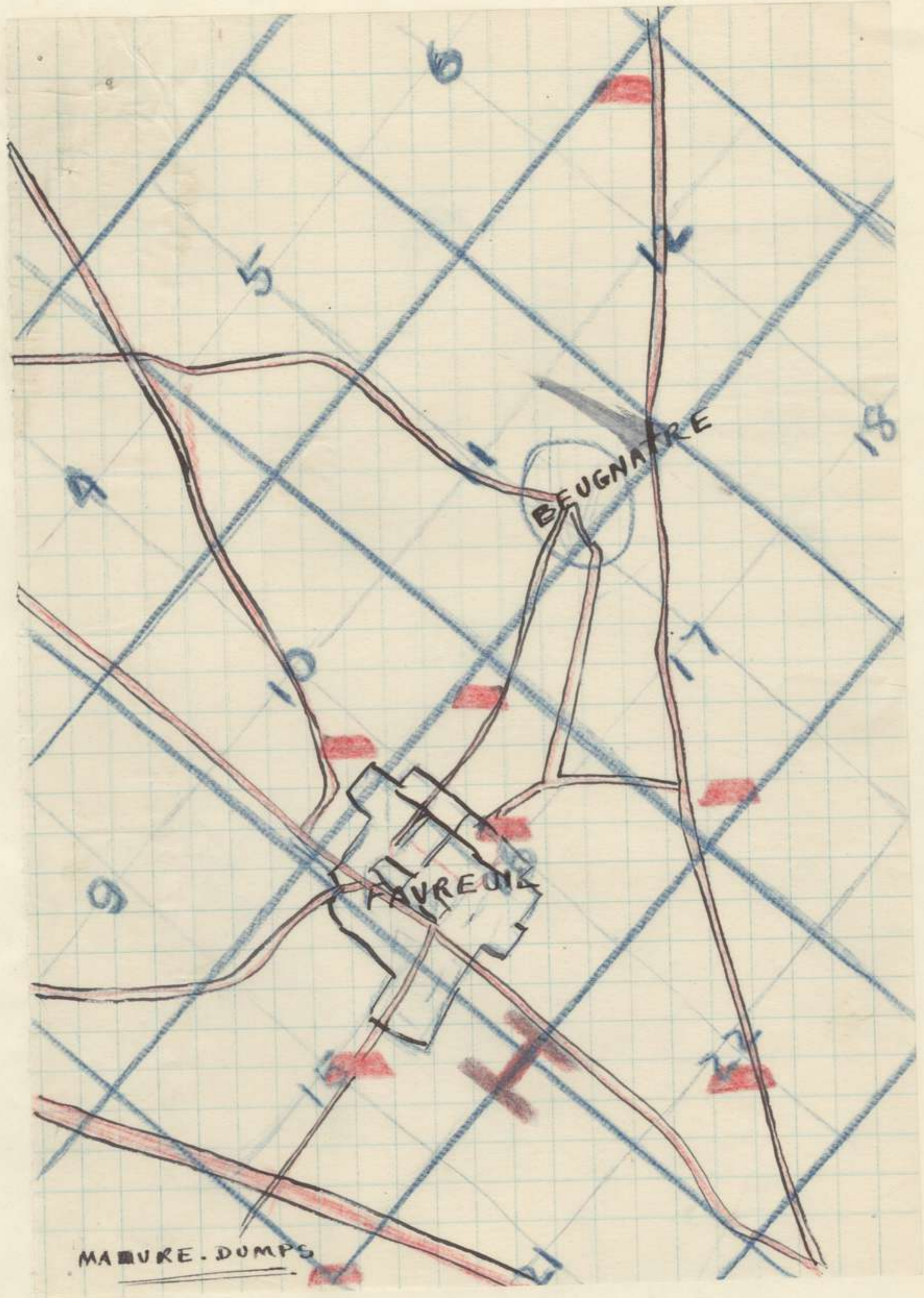
See special table 129 Examined and tested.

2ND AUSTRALIAN SANITARY SECTION

No.

Date 24/7/17.

APPENDIX 19



To ARRAS. RD



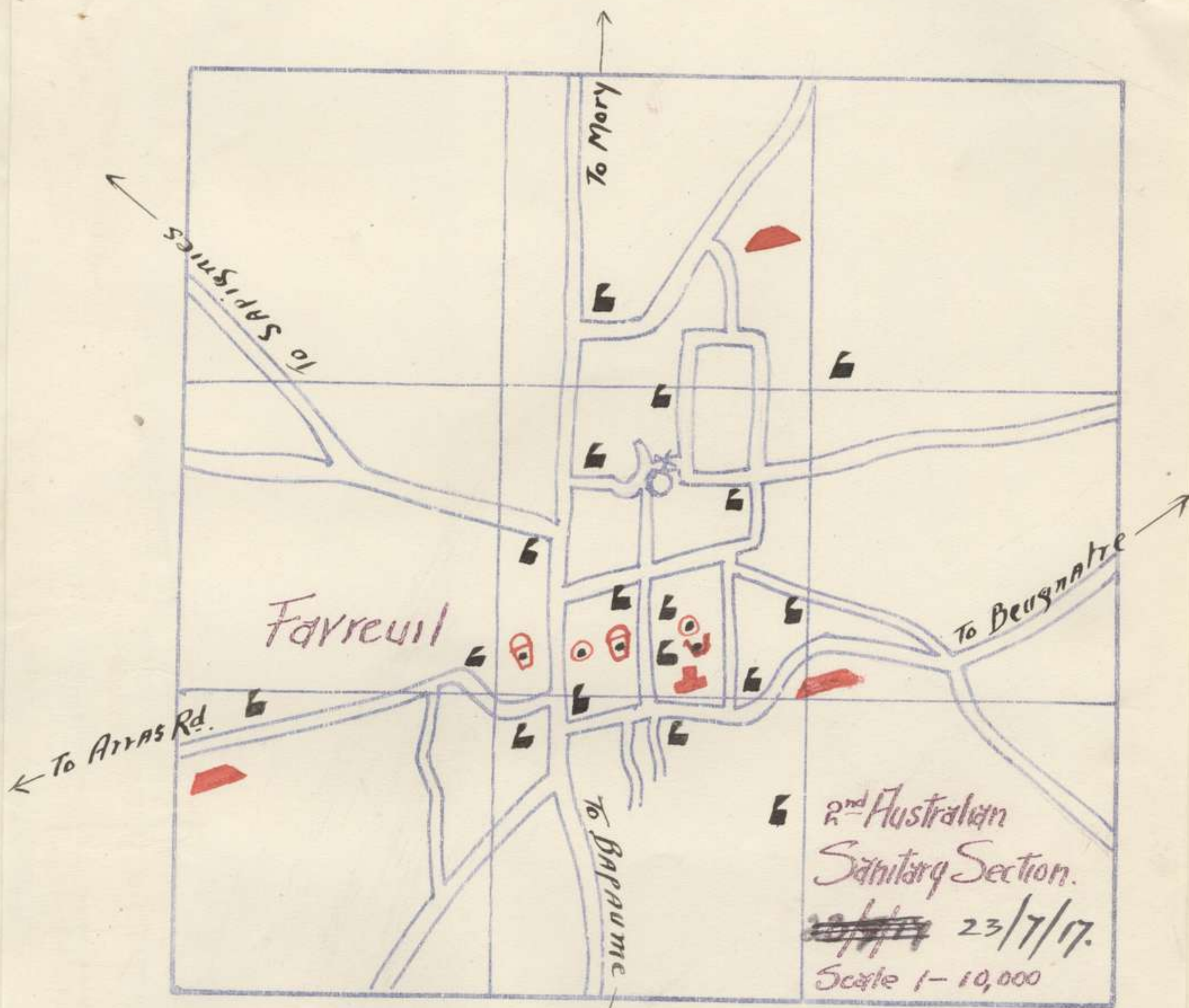
2nd Australian Sanitary Section. Scale 1-5000

Public Latrines.

Well.

2 ND AUSTRALIAN SANITARY SECTION.	
No.
Date	24/7/17

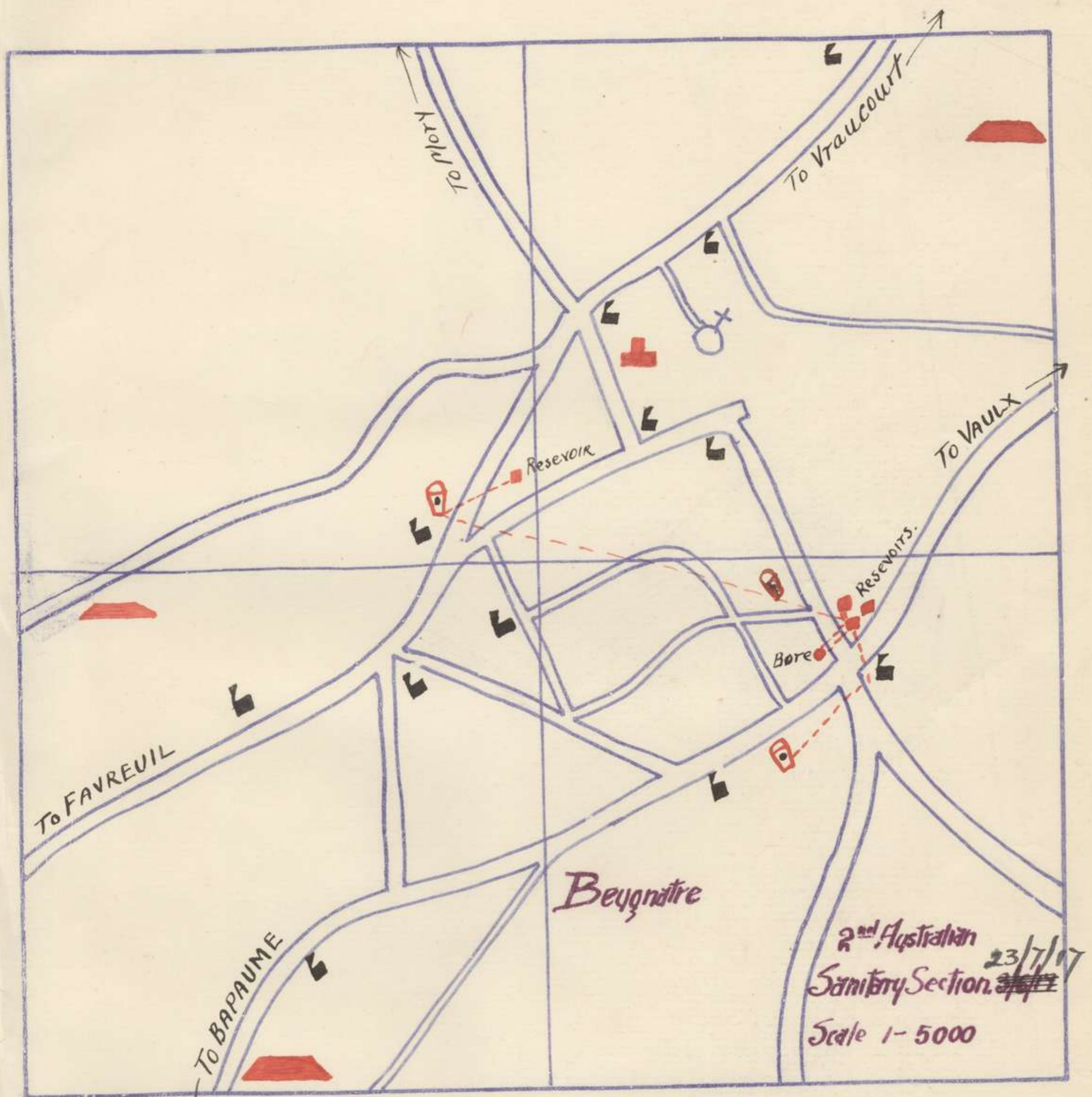
To BAPAUME







2ND
AUSTRALIAN
SANITARY SECTION.

No.
Date 24/7/17

- Public Latrine
- .. INCINERATOR.
- Waterpoint
- Well
- Baths
- Manure Dump.



-  PUBLIC LATRINE
-  " INCINERATOR
-  WATERPOINT
-  MANURE DUMP.

2ND
AUSTRALIAN
SANITARY SECTION.

No.

Date 23/7/17

2nd Australian
Sanitary Section. 23/7/17
Scale 1-5000

To Feoust →

→ To Longette

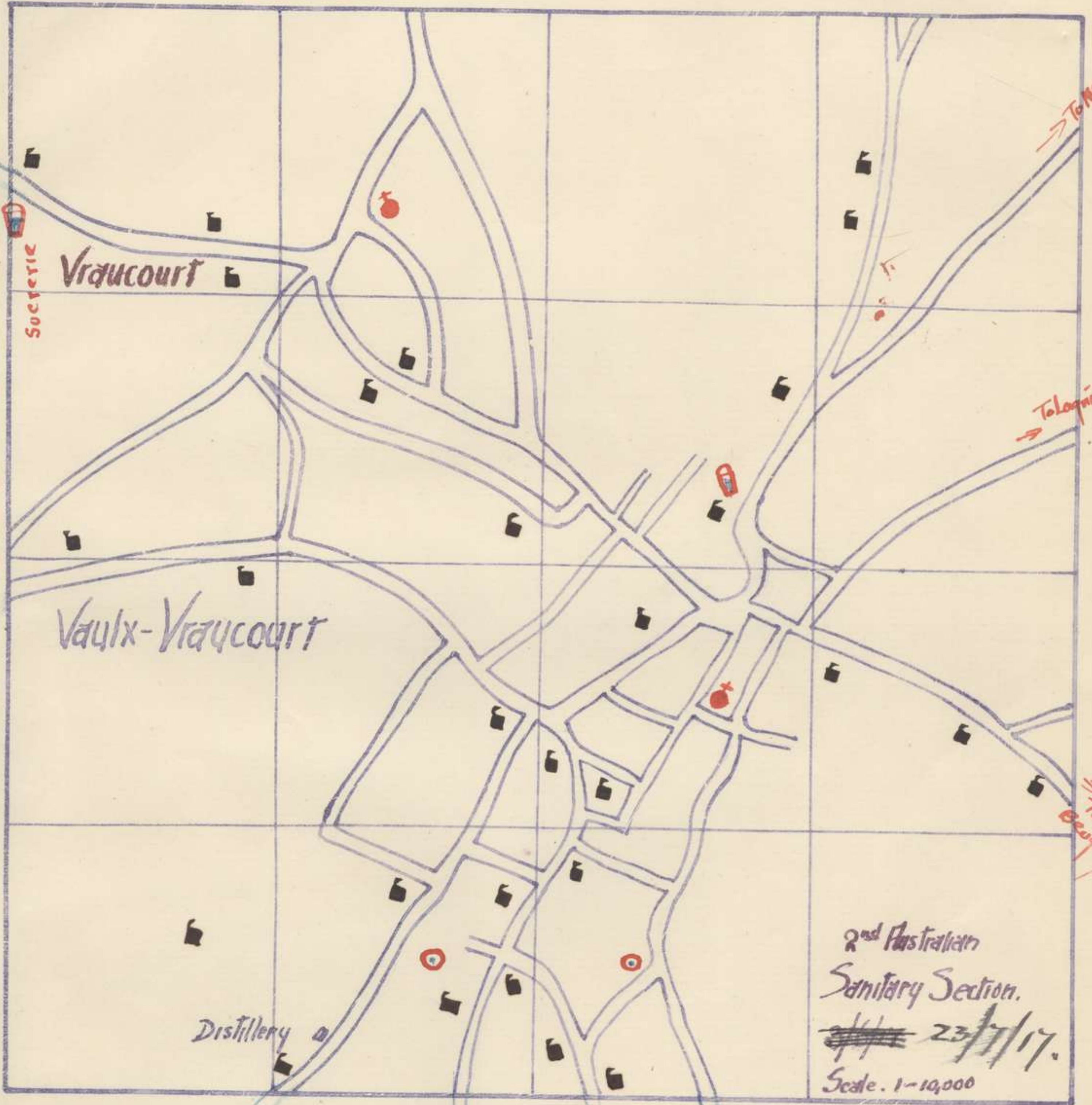
→ To Moreuil

→ To Lognoncourt







→ To Beauvill

→ To Beaucourt

→ To Frenicourt



2nd Australian
Sanitary Section.
~~23/7/17~~ 23/7/17.
Scale. 1-10,000

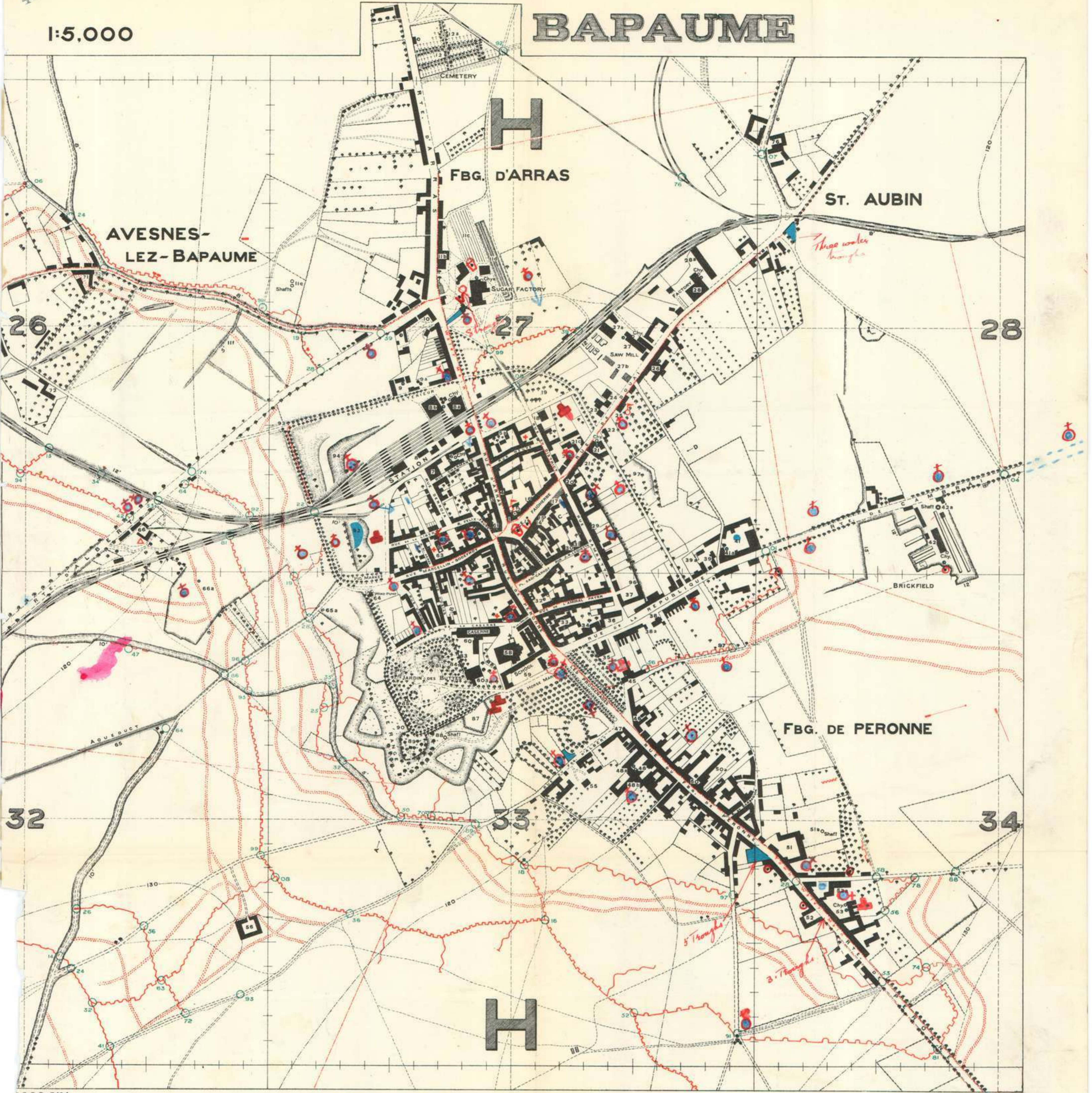
- Public Latrine 
- Public Incinerator. 
- Water Point 
- Well. 
- BATHS. 
- Manure Dump. 

2nd
AUSTRALIAN
SANITARY SECTION.
No. _____
Date 23/7/17

42

1:5,000

BAPAUME



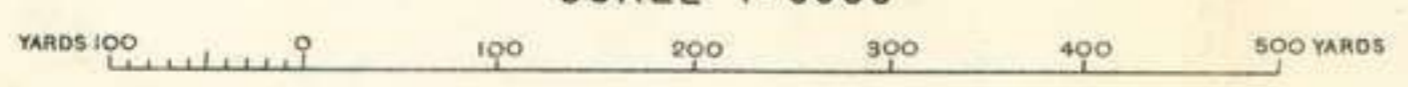
F.S.G.S. 3494.

Ordnance Survey, March, 1917.

REFERENCE.

- Public Latrines
 - INCINERATORS
 - MAIN WATERPOINTS
 - Wells AND TANKS for Dixies
 - BATHS.
 - Road, pipe line or cable
 - Air line
 - Well defined tracks used by enemy
 - Hedge or wall (uncertain which)
 - Hedges
 - Barbed wire fence
 - Street fountains
 - Brick stacks or timber stacks (non-permanent)
 - Principal wells (positions approximate)
- From the fact that an obstacle is not represented on the map it is not to be taken for granted that one does not exist.
 This map differs in detail from current maps of smaller scales.
 The numbers against circles are co-ordinates. When used as a means of reference the square also must in all cases be indicated.
 Depths of cuttings, etc., on railway are from official records; elsewhere approximate only.

SCALE 1:5000



2ND
 AUSTRALIAN
 SANITARY SECTION.
 No.
 Date 24/7/17

Assessors.
Good filling points
all vehicles
 M 11 a 5-7
 3 Troughs