

Parliamentary Standing Committee on Public Works

REPORT

relating to the

CONSTRUCTION OF WORKING, LIVING AND AREA FACILITIES FOR ARMY AND NAVY PERSONNEL

at

Watsonia, Victoria

(Tenth Report of 1981)

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THE PARLIAMENT OF THE COMMONWEALTH OF AUSTRALIA
PARLIAMENTARY STANDING COMMITTEE ON PUBLIC WORKS

R E P O R T

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FOR ARMY AND NAVY PERSONNEL

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MEMBERS OF THE PARLIAMENTARY STANDING COMMITTEE ON PUBLIC WORKS
(Twenty-sixth Committee)

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- 1 Retired 30 June 1981
- 2 Ceased to be member on election as
President of the Senate on 18 August 1981
- 3 Appointed 25 August 1981
- 4 Appointed 25 August 1981
- 5 Appointed Vice-Chairman 27 August 1981

EXTRACT FROM
THE VOTES AND PROCEEDINGS OF THE HOUSE OF REPRESENTATIVES,
NO. 48 DATED 27 AUGUST 1981

- 14 PUBLIC WORKS COMMITTEE - REFERENCE OF WORK - CONSTRUCTION OF WORKING, LIVING AND AREA FACILITIES FOR ARMY AND NAVY PERSONNEL, WATSONIA, VIC: Mr. McVeigh (Minister for Housing and Construction), pursuant to notice, moved - That in accordance with the provisions of the Public Works Committee Act 1969, the following proposed work be referred to the Parliamentary Standing Committee on Public Works for consideration and report: Construction of working, living and area facilities for Army and Navy personnel at Watsonia, Vic.

Mr. McVeigh presented plans in connection with the proposed work.
Debate ensued.

Question - put and passed.

WITNESSES

Broadbent, C.R., Esq., Assistant Chief Mechanical Engineer, Department of Housing and Construction, 239 Bourke Street, Melbourne, Victoria

Cole, K.H., Esq., Associate Director, Projects, Department of Housing and Construction, 239 Bourke Street, Melbourne, Victoria

Day, Brigadier P.J., Director-General of Accommodation and Works - Army, Department of Defence, Russell Offices, Canberra, Australian Capital Territory

Farrell, Lieutenant Commander W.W., RAN, Director, School of Music, HMAS Cerberus, Westernport, Victoria

Knight, Lt. Colonel P.D., Project Manager, Department of Defence, Russell Offices, Canberra, Australian Capital Territory

Larsen, J.M., Esq., Project Manager, Department of Housing and Construction, 239 Bourke Street, Melbourne, Victoria

Wahlin, Lt. Colonel T.P., Director of Music - Army, Department of Defence, Northbourne House, Canberra, Australian Capital Territory

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PARLIAMENTARY STANDING COMMITTEE ON PUBLIC WORKS

CONSTRUCTION OF WORKING, LIVING AND AREA FACILITIES
FOR ARMY AND NAVY PERSONNEL, WATSONIA, VICTORIA

R E P O R T

By resolution on 27 August 1981, the House of Representatives referred to the Parliamentary Standing Committee on Public Works for investigation and report to the Parliament the construction of Working, Living and Area Facilities for Army and Navy Personnel at Watsonia, Victoria.

The Committee has the honour to report as follows:

THE REFERENCE

1. The proposal referred to the Committee is for the construction of working, living and area facilities for Army and Navy personnel at Watsonia, Victoria.

The components of the proposal are:

- working facilities for 126 Signals Squadron;
- refurbishment of two accommodation blocks;
- extensions to the dental centre;
- extensions to a kitchen and dining room;
- working facilities for the School of Music including renovation of an existing building;
- provision of fitness training facilities including gymnasium extensions and sporting facilities.

2. The estimated cost of the proposed work is \$5.0 million at August 1981 prices.

THE COMMITTEE'S INVESTIGATION

3. The Committee received written submissions and drawings from the Department of Defence and the Department of Housing and Construction. A Sectional Committee took evidence from their representatives at a public hearing in Melbourne on 12 October 1981.

4. Prior to the hearing, the Sectional Committee inspected the sites for the proposed new buildings and sporting facilities and existing buildings which are to be extended or renovated. The Sectional Committee also inspected the Victorian College of the Arts School of Music. On 20 October 1981 the Sectional Committee inspected the Canberra School of Music. A further public hearing was held at Parliament House, Canberra, on 27 October 1981.

WATSONIA ARMY COMPLEX

5. The Army complex at Watsonia, Victoria, is situated on 193 hectares and is 15 kms north of Melbourne. The site was acquired by the Commonwealth in 1943-51 and has been progressively developed as a major Army signals centre, a district support centre and the Army enlistment and discharge centre for Victoria.

6. The following units presently occupy facilities at Watsonia:

- 2 Signals Regiment;
- 6 Signals Regiment;
- 126 Signals Squadron;
- School of Signals;
- District Support Unit Watsonia;
- 8 Dental Unit;
- 13 Psychology Unit.

7. The majority of the Army personnel at Watsonia belong to the two Signals Regiments, the School of Signals and 126 Signals Squadron. The latter is a composite Regular Army and Army Reserve Unit. The District Support Unit and the Dental and Psychology Units cater for Army personnel in the Melbourne Area.

A. SCHOOL OF MUSIC

BACKGROUND AND NEED

8. Military Bands At present there are 558 Navy and Army personnel serving in three Navy and 14 Army bands (8 regular and 6 battalion). There are two types of Army Band - Type A, of which there are four, located in Brisbane, Sydney, Townsville and Canberra, each having 50 musicians; Type B of which there are also four, each having 34 musicians, located at Townsville, Kapooka, Adelaide and Perth. The RAAF has two bands located at Richmond, NSW and Laverton, Victoria.

9. The Navy and Army Reserves also have a number of bands and their combined strength exceeds 1000 personnel; these personnel have dual qualifications, their function in their respective Reserve not being confined to musicians.

10. The question of the number of military bands, their function and size was the subject of reviews undertaken by the three Services and as a result of these reviews, which sought to establish the best use of scarce Service manpower, the present number of regular military bands was established.

11. The function of military bands is to support training, take part in both civic and military ceremonial activities, assist service public relations and to raise morale.

12. Training of Musicians Navy and Army musicians are recruited as apprentices and after passing a trade test and completing basic training attend the Army School of Music at Balcombe, 60 km east of Melbourne, or the Navy School of Music at HMAS Cerberus for up to eighteen months. The Navy and the Army aim to recruit about 15 and 40 students respectively each year. Students are trained by Service instructors and attend special classes in Melbourne if necessary. After completing their music training they are posted to one of the eight regular Army or three Navy bands.

13. The need to plan for a relatively large number of students is brought about by students withdrawing from their courses and trained musicians not re-engaging after their six year enlistment. About 25-30 musicians do not re-enlist each year; of 15-18 students in a recent intake, only 11 remain, although the Army plans to graduate 30 musicians each year. Shortfalls are made up from general enlistment and recently some direct recruiting of trained musicians was made necessary.

14. The RAAF recruits qualified musicians and has no requirement for a School of Music.

15. In addition to training apprentice musicians, the two Schools of Music also run promotion courses and courses for Reserve personnel. Courses vary in length and range from 17 weeks for a sergeants promotion course to two weeks for Army Reservists.

16. Army School of Music The Army School of Music at Balcombe shares common facilities with the Army Apprentices School which will be relocated in new facilities at Bonegilla, Victoria, at the end of 1982. The relocation of the Apprentices School and the construction of new facilities were the subject of a previous reference to the Committee in 1978 (Development of Army Site, Stage 1, Bonegilla, Victoria, Parliamentary Paper 386/1978).

17. The buildings at Balcombe consist of timber framed, galvanised iron huts built in the Second World War. They impose relatively high repair and maintenance costs to keep a reasonable standard; they lack features common to modern music training institutions such as purpose-designed, acoustically treated private practice studios. Balcombe is also relatively remote from other music-teaching institutions and Victoria-based bands and this remoteness is not conducive to providing trainees with opportunities to frequently attend special classes or join with other bands, and any alternative location should desirably be less remote.

18. The need to relocate the Army School of Music has arisen from a number of factors. When the Apprentices School moves to Bonegilla at the end of 1982, it will not be practical for the School of Music to remain at Balcombe; firstly, because of the extra support staff, now shared with the Apprentices School, that would be required to keep it functioning; secondly, because the Army had indicated its intention to vacate the property at Balcombe on completion of the relocation of the Apprentices School; and thirdly, the facilities occupied by the School of Music are similar to those occupied by the Apprentices School which were described by the Committee in 1978 as being some of the worst living and working accommodation occupied by the Services.

19. In summary, for the Army School of Music to remain at Balcombe after the relocation of the Apprentices School would require the retention of extra support staff; it would mean the site could not be vacated by the Army and it would mean the continued occupancy of sub-standard living and working accommodation. None of these alternatives can be justified.

20. Navy School of Music HMAS Cerberus is the main Naval training centre in Victoria. The Navy School of Music occupies facilities designed for industrial use which are not conducive to teaching and learning music. Sleeping and living accommodation are shared with other personnel at HMAS Cerberus. Music students requiring special teaching are required to attend classes in Melbourne, which is time-consuming and inefficient.

21. Combined School of Music During the public hearing into the relocation of the Apprentices School from Balcombe in 1978, the Department of Defence foreshadowed that the Army School of Music would also need to be relocated and that a study on the integration of the Navy and Army Schools of Music into a joint School of Music was underway.

22. This study suggested there would be considerable benefits in having a combined School of Music provided it could be located in an area with:

- access to certain music education facilities, teachers and activities;
- access to a military band;
- flexibility in training; and
- an existing administrative and logistic infrastructure.

23. Nineteen Army locations around Australia were assessed against these criteria.

24. The Watsonia site was finally selected as suitable on the grounds that it met most requirements and those that could not be met be remedied with the minimum disruption and at less cost than elsewhere.

THE PROPOSAL

25. New Building It is proposed to construct a new building for the School of Music containing individual group practice studios, class rooms and a rehearsal auditorium.

26. The new building will have four levels. The lower and mid levels will be the principal working floors containing a rehearsal auditorium, group practice studios, studio offices, the main foyer, instrument cleaning area, and music library, as well as individual practice studios.

27. In all it is proposed to have 80 individual practice studios, the balance being in the upper and lower ground floors. This requirement is based on the following factors;

- the training program for the school of music will require a minimum of four hours of individual practice per day;

- most of the remaining programmed training is group training involving the entire student body, leaving insufficient flexibility for staggering individual practice to allow for the sharing of practice studios e.g. one morning individual practice session for half the students and an afternoon session for the remainder;
- present practice is to provide one studio for each student at Balcombe and HMAS Cerberus;
- students cannot practice in their barrack block.

28. Accepting these factors as determining the need for practice studios, particularly relating to timetable inflexibility the requirement for 80 individual practice studios is further justified on the basis of the following planned student numbers:

- 110 Navy and Army students commencing basic courses;
- a reduction of 30 students through the year due to student withdrawal and failure, early course completion and failure to recruit sufficient numbers;
- an allowance for 20 advanced students undergoing promotion courses sharing individual practice rooms when studios are unoccupied by basic trainees.

29. In order to gain a better understanding of building and functional requirements in music schools the Committee visited the Victorian College of the Arts School of Music and the Canberra School of Music. The former has 51 individual practice studios catering for a student body of 280 full time and up to 3,000 part time students and the latter has 15 for a student body of 80 full time and 420 part time students. The Navy and the Army argued however that a direct comparison between practice studios and student ratios at these schools and ratios proposed for the school at Watsonia cannot be made for the following reasons:

- students at the civilian schools of music are expected to complete most of their individual practice in their home;
- the nature of their courses allow for flexibility in the programming of individual practice studios;
- at the proposed Navy and Army School of Music each student will spend the entire day, and some nights, at the school in a totally structured program;
- this military program not only trains students on their specific instrument but also teaches and practices them as members of a band.

30. The Committee nevertheless believed that these factors are not sufficient justification for the 80 studios. With a re-structuring of the timetable it should be possible to reduce the number of studios by at least 22 without affecting the overall training program. This would mean some students sharing studios but a re-structured timetable should ensure that no clashes occur. It would also mean a saving of \$200,000 on the cost of the building. The Navy and the Army were asked to respond to this suggestion and reiterated:

- a minimum of four hours practice per student per day is required;
- the balance of a training day consists of group activities such as concert training in which the entire student body and staff take part;
- by reducing the number of practice studios it would be necessary to stagger the timetable, two parallel courses would need to be operated and more teaching staff would be required;
- this would reduce the number of individual practice hours available to basic students necessitating a reduction in the number of trainee musicians commencing each course;

- a reduction in the number of studios available would result in advanced and remedial students being unable to practice when studios are vacant and lead to fewer available training hours, extension to advanced courses and reduce the throughput of advanced students; the number of courses would also need, to be reduced.

31. Meares House Meares House is a solid brick two storey building constructed during the 1930s and used as a residence by the former owner of the Watsonia property. It was used as a residence by the Commander of 3rd Military District after the Army took over the site but proved too costly to run and maintain and has not been used continuously for any useful purpose for some time. The Heidelberg City Council has expressed the view that the building should be retained and remain in its present form although it does not carry a National Trust classification.

32. It is proposed to use Meares House for administrative and logistics activities associated with the School of Music. Some internal refurbishing will be carried out.

THE SITE

33. Meares House is located on a ridge overlooking the Watsonia complex. The new School of Music building will be about 100 metres north east of Meares House. There is a six metre fall across the building site and this has influenced the design of the building. An outdoor rehearsal area will be north of the school building.

COMMITTEE'S CONCLUSIONS

34. The Committee accepts the need for a relocated School of Music for the Army and the Navy. The Committee agrees with the location of the School at Watsonia, the proposed scope of the School of Music Building and its siting and recommends the construction of the work.

B. BUILDING FOR 126 SIGNALS SQUADRON

BACKGROUND AND NEED

35. 126 Signals Squadron is a composite Regular Army and Army Reserve unit which supports commando units based at Williamstown and in New South Wales. The unit is located in two double storey barrack blocks which lack desirable purpose-designed features such as lecture rooms, secure communications areas and workshops. Under present arrangements lecture rooms consist of partially converted bedrooms; workshops and communications areas likewise are converted bedrooms and lack desirable levels of security. Storage areas both inside and outside the building lack sufficient space and security.

THE PROPOSAL

36. There are two facets to the proposal. First, it is proposed to construct a new two-storey building containing communications area, workshops, lecture and training rooms and offices for 126 Signals Squadron.

37. The first floor will have two lecture rooms, a keyboard and morse training room and an operations room. The ground floor will contain the communications centre, transmitter and receiver rooms, secure areas, toilets, change rooms and offices.

38. It is also proposed to provide security fencing and lighting for the unit parking area as well as covered storage areas for large pieces of equipment such as boats.

39. The Committee notes that at present the Army Reserve component of the unit's strength is below establishment and believes the unit and the Army Reserve should mount a vigorous recruiting campaign to bring its strength up to establishment.

40. The second facet of the proposal involves re-converting the present working facilities to barrack accommodation for School of Music students. This will only require minor internal alterations such as the repartitioning of rooms. This factor, the relatively modest expense associated with providing discrete living accommodation for School of Music rank and file students, was one reason for the selection of Watsonia as the most suitable site for the School.

THE SITE

41. The site for the proposed new building is immediately east of the School of Signals. The site is relatively flat and minimal excavation will be required.

COMMITTEE'S CONCLUSIONS

42. The Committee accepts the need for a new building for 126 Signals Squadron. The Committee agrees with the siting and construction of the proposed work and with the refurbishing of the two barrack blocks for living accommodation for rank and file School of Music students and recommends the construction of the work.

C. AREA FACILITIES

BACKGROUND AND NEED

43. Sporting Facilities At present there are 3 tennis courts, one football oval, three other playing fields, a 30 metre six lane swimming pool, a nine hole golf course and a gymnasium at Watsonia. Sporting facilities are provided in accordance with Services Scales and Standards, the number of ovals, tennis courts etc being a function of the number of servicemen based at a particular installation. The Army considers the number and range of facilities available at Watsonia to be significantly deficient and this deficiency will be slightly compounded with the influx of additional staff and students associated with the new School of Music. In terms of scales and standards there would need to be a nine lane 50 metre covered and heated swimming pool, eleven tennis courts, five sports ovals, a gymnasium of 640 square metres and four squash courts.

44. Rank and File Kitchen and Senior NCO Dining Room The mess and kitchen building was constructed in 1959 and is generally in good condition. After more than twenty years operation the kitchen equipment, mechanical and electrical services are below acceptable standards of operation and hygiene. The need to remedy this situation is made more immediate by additional rank and file from the School of Music.

45. The senior NCO mess is likewise in good condition but there is a shortage of space in the dining room.

46. Dental Facilities The dental centre and laboratories, operated by 8 Dental Unit, shares a single storey building with the medical centre. The unit caters for Army personnel in the Melbourne area and present demand

on services exceeds capacity. Three dentists are considered insufficient to cope with the present workload. The laboratories area is small, unplanned and lacks desirable industrial health features provided in most modern laboratories and workshops.

THE PROPOSAL

47. Sporting Facilities It is proposed to upgrade existing facilities and to provide additional facilities more in line with Services Scales and Standards. This upgrading and expansion will include an additional sports oval, to be constructed north of Meares House, five volleyball courts, three additional tennis courts, a grassed exercise area and an enlarged gymnasium. Drainage to the existing oval and playing fields will also be improved.

48. Kitchen and Mess It is proposed to modernise the rank and file kitchen and to extend the area of the senior NCO dining room by 40 per cent.

49. Dental Facilities The dental unit will be refurbished and extended to provide four modern dental surgeries, cobalt, ceramic and general laboratories, associated areas such as waiting, recovery and lecture rooms and a study/library. These improvements are aimed to bring the facilities in line with current demands, to reduce delays and to improve working conditions for dental mechanics.

50. The additional buildings to be constructed, and the refurbishment of others, will necessitate the upgrading of existing or the provision of extra power, water supply, gas reticulation, stormwater, sewage disposal and road systems. Details are provided under 'Construction' below.

THE SITES

51. Sports Oval and Volleyball Courts The existing sports oval is located on the northern boundary of the complex. The new sports oval will be immediately north of Meares House. The site is on top of a ridge and is considered superior to one further east where additional cost penalties associated with excavation would be incurred.

52. The volleyball courts will be west of Meares House, adjacent to existing playing fields.

53. Other components of the works involve extensions or alterations to existing buildings.

COMMITTEE'S CONCLUSION

54. The Committee accepts the need to:

- provide additional sporting facilities;
- modernise the rank and file kitchen and enlarge the senior NCO dining room;
- modernise and extend the dental centre;

at Watsonia and recommends the construction of the proposed works.

ENVIRONMENTAL IMPACT

55. The proposal has been cleared by the Department of Home Affairs and the Environment in accordance with the Environment Protection (Impact of Proposals) Act 1974 as having no significant environmental impact.

OTHER OBSERVATIONS

56. Use of Facilities by the Public Heidelberg City Council requested that arrangements be made for the sharing of sporting and musician training facilities at Watsonia. The Army has subsequently advised the Committee that recreation and sporting facilities are used by the local community by arrangement. An appropriate time for discussions with the City of Heidelberg Council on the possible use of musician training facilities would be when the staff of the new School of Music has moved to Watsonia. The Committee understands specific requests will be treated sympathetically by the Army and commends the Army for its active efforts at fostering community relations.

PROGRAM

57. Tenders will be advertised early in 1982 and construction completed about 18 months later. The aim is to have sufficient facilities completed at Watsonia by December 1982 to enable the Army School of Music to vacate Balcombe when the Apprentice School moves to Bonegilla. If necessary, temporary accommodation arrangements will be made until the project is completed.

ESTIMATE OF COST

58. The estimated cost of the work when referred to the Committee was \$5.0 million at August 1981 prices.

CONSTRUCTION

59. Structure Building footings will be founded in the slightly weathered mudstone which is one or two metres below the natural surfaces.

60. The rehearsals auditorium and the three large practice studios in the School of Music building require large spans consisting of steel framing on concrete pad footings. Apart from these areas the structure will be of load bearing brickwork with reinforced concrete floor slabs. The roof of the building will consist of pre-finished insulated metal decking.

61. The building for 126 Signals Squadron will have reinforced concrete ground and first floors and a steel deck roof on a steel structure supported by reinforced concrete columns with brick veneer external walls.

62. Acoustic Treatment - School of Music Practice studios and other music areas have been designed to minimise noise transfer. The use of dense, well fired bricks, the irregular shape of the practice studios and the offset design of wings containing the practice studios, are intended to reduce

noise transfer to an acceptable level. The possibility of using concrete instead of brick walls was raised during the public hearing. The Committee was advised that brick walls were less expensive and offered the same acoustic features as concrete walls of similar dimensions as those proposed. External walls will be double cavity brick; walls separating individual practice studios will be double brick and walls separating studios and corridors will be single brick. All walls will be painted.

63. External Services Some site levelling for the buildings and the new oval will be necessary. Existing roads will be extended to the new buildings. Some car parks will be extended.

64. Water will be piped from existing mains; the water main supplying Meares House will be diverted around the new sports oval and increased in size.

65. Stormwater from the new buildings will be piped to a natural water course; stormwater from extensions will be connected to the existing system.

66. Sewage will be discharged to existing sewers. It will be necessary to pump sewage from the School of Music via a rising main because the fall of the land.

67. Security fencing will be provided for the vehicle and equipment storage area adjacent to the new building proposed for 126 Signals Squadron.

68. Power will be provided from existing mains. Additional high and low voltage reticulation will be necessary and will be run underground to avoid electrical interference with radio signals. New substations will be installed near the 126 Signals Squadron building and the School of Music building.

69. External security lighting will be provided to both new buildings and the outdoor rehearsal area at the School of Music will be floodlit.

70. Internal Services Gas will be used for space heating and electricity will power refrigerated air conditioners.

71. Air conditioning will be provided in occupied areas such as class rooms and to meet functional requirements for equipment operation and acoustic control. These areas are the music practice rooms, auditorium, library, recording room and studio offices at the School of Music; the lecture rooms, radio transmitter and receiver rooms, communications centre, crypto and shielded rooms at 126 Signals Squadron; and the surgeries, laboratories, recovery rooms, staff/lecture rooms and the study/library at the dental unit.

72. An evaporative cooling system, in the NCO Mess, will be upgraded to serve the extension to the dining room.

73. Heating and mechanical ventilation is proposed for those areas that are not air conditioned in the School of Music, 126 Signals Squadron, the dental unit, Meares House and the NCO Mess. The gymnasium roof mounted mechanical ventilation system will be upgraded to serve the new extension.

74. Special services, comprising oxygen, acetylene, natural gas and compressed air, will be provided to dental laboratories. A dust extraction system will be provided in the grinding and polishing areas.

75. Fire Protection The present water supply system will be extended and portable fire extinguishers will be provided in accordance with requirements. Automatic thermal fire detection and smoke detection systems and manual fire alarm call points will be installed.

76. Landscaping Landscaping will use native plants and the Meares House garden will be retained.

RECOMMENDATIONS AND CONCLUSIONS

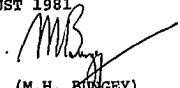
77. The summary of recommendations and conclusions of the Committee and the paragraph in the report to which each refers is set out below.

	<u>Paragraph</u>
1. THE COMMITTEE ACCEPTS THE NEED FOR A RELOCATED SCHOOL OF MUSIC FOR THE ARMY AND THE NAVY.	34.
2. THE COMMITTEE AGREES WITH THE LOCATION OF THE SCHOOL AT WATSONIA, THE PROPOSED SCOPE OF THE SCHOOL OF MUSIC BUILDING AND ITS SITING AND RECOMMENDS THE CONSTRUCTION OF THE WORK.	34.
3. THE COMMITTEE ACCEPTS THE NEED FOR A NEW BUILDING FOR 126 SIGNALS SQUADRON. THE COMMITTEE AGREES WITH THE SITING AND CONSTRUCTION OF THE PROPOSED WORK AND WITH THE REFURBISHING OF THE TWO BARRACK BLOCKS FOR LIVING ACCOMMODATION FOR RANK AND FILE SCHOOL OF MUSIC STUDENTS AND RECOMMENDS THE CONSTRUCTION OF THE WORK.	42.
4. THE COMMITTEE ACCEPTS THE NEED TO: - PROVIDE ADDITIONAL SPORTING FACILITIES; - MODERNISE THE RANK AND FILE KITCHEN AND ENLARGE THE SENIOR NCO DINING ROOM; - MODERNISE AND EXTEND THE DENTAL CENTRE; AT WATSONIA AND RECOMMENDS THE CONSTRUCTION OF THE PROPOSED WORKS.	54.

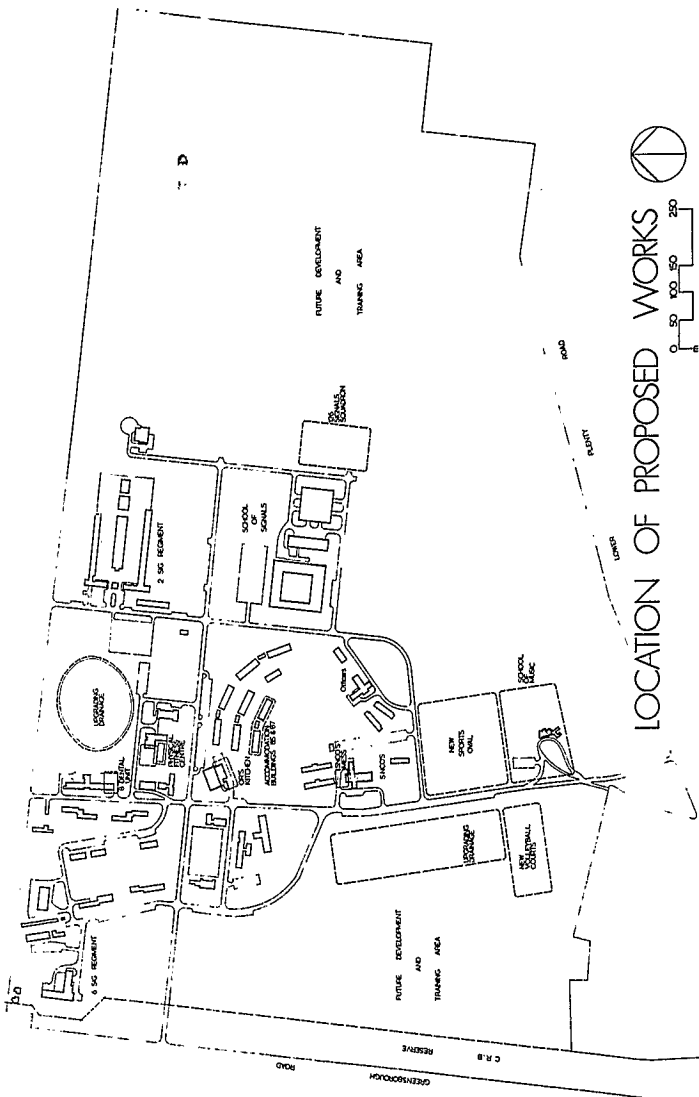
Paragraph

5. THE ESTIMATED COST OF THE WORK
WHEN REFERRED TO THE COMMITTEE
WAS \$5.0 MILLION AT AUGUST 1981
PRICES.

58.


(M.H. BUNGEY)
Chairman

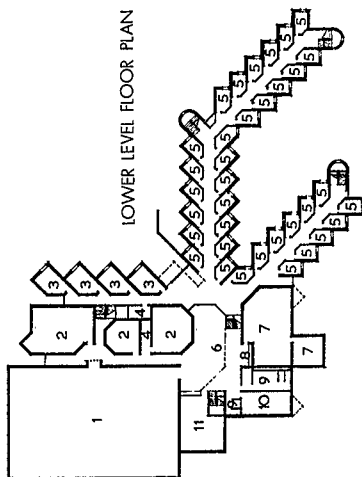
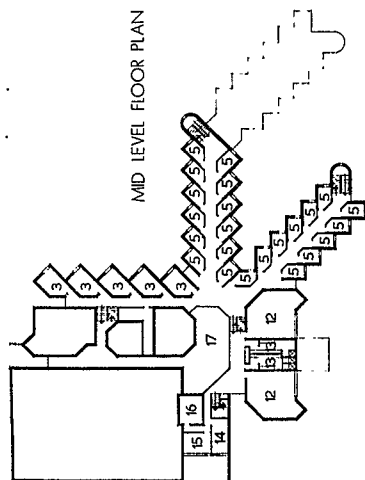
Parliamentary Standing Committee on Public Works,
Parliament House,
CANBERRA.
27 October 1981



A



LOCATION OF PROPOSED WORKS



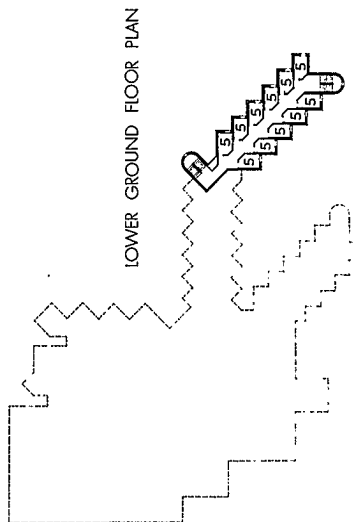
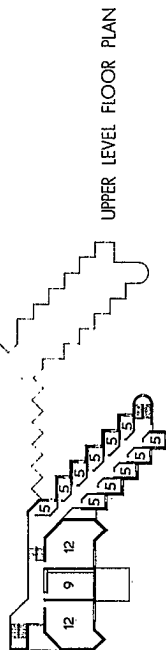
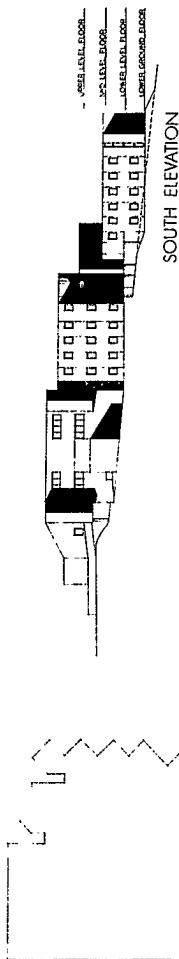
LEGEND

1. MAIN REHEARSAL AUDITORIUM
2. GROUP PRACTICE STUDIO
3. STUDIO OFFICE
4. CLEANER
5. INDIVIDUAL PRACTICE STUDIO
6. FOYER
7. PLANT ROOM
8. TEA ROOM
9. TOILETS
10. INSTRUMENT CLEANING AREA
11. MUSIC LIBRARY
12. CLASSROOM
13. CHANGE ROOM
14. INTERVIEW COUNSELLING ROOM
15. SENIOR INSTRUCTORS OFFICE
16. RECORDING / AUDIO VISUAL CONTROL ROOM
17. VOID

SCHOOL OF MUSIC

NEW BUILDING





LEGEND

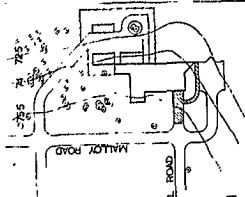
- 5. INDIVIDUAL PRACTICE STUDIO
- 9. TOILETS
- 12. CLASS ROOM



SCHOOL OF MUSIC

NEW BUILDING





SITE PLAN

LEGEND

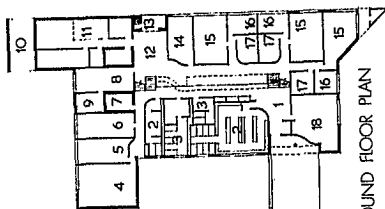
1. Foyer
2. CHANGE ROOM
3. TOILETS
4. COMMUNICATION CENTRE
5. TRANSMITTER ROOM
6. RECEIVER ROOM
7. CRYPTO ROOM
8. TECHNICAL MAINTENANCE WORKSHOP
9. SHIELDED ROOM
10. BOATING STORE
11. Q. STORE
12. ISSUJE AREA
13. LOADING DOCK
14. Q. AND TRANSPORT OFFICE
15. TROOP OFFICE
16. TROOP COMMANDERS OFFICE
17. TROOP STORE
18. ORDERLY ROOM
19. PLANT ROOM
20. LECTURE ROOM
21. TRAINING OFFICE
22. KEYBOARD TRAINING ROOM
23. MORSE TRAINING ROOM
24. OPERATIONS ROOM
25. SSM. OFFICE
26. ADMINISTRATION OFFICERS OFFICE
27. OFFICER COMMANDING OFFICE
28. WAITING AREA
29. T.I.C. OFFICE
30. RECRUITING OFFICE
31. VOID



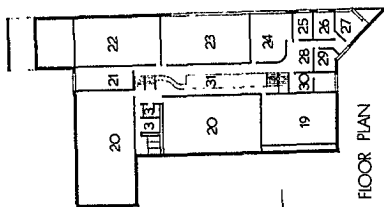
SECTION AA



EAST ELEVATION



GROUND FLOOR PLAN



FIRST FLOOR PLAN



126 SIGNALS SQUADRON

