

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Education
 January 2004
 Advanced Subsidiary Examination



**GEOGRAPHY (SPECIFICATION A)
 Unit 3**

GGA3

Tuesday 13 January 2004 Morning Session

In addition to this paper you will require:

- the resource booklet (enclosed).
 You may use a calculator.

Time allowed: 1 hour

Instructions

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.
- Do all rough work in this book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 50.
- Mark allocations are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary, where appropriate.
- The degree of legibility of your handwriting and the level of accuracy of your spelling, punctuation and grammar will also be taken into account.

Advice

- Where appropriate, credit will be given for the use of diagrams and where reference is made to your personal investigative work.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
Total (Column 1)		→	
Total (Column 2)		→	
TOTAL			
Examiner's Initials			

Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.

SECTION A

Answer **all** parts of the question in the spaces provided.

The Physical Environment

Title: Channel processes and landforms

1 (a) Figure 1a (*resource booklet*) shows the long profile of the River Thames whilst **Figures 1b** and **1c** (*resource booklet*) show valley cross profiles at two locations.

(i) Distinguish between the long profile and the cross profile of a river.

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(4 marks)

(ii) Describe the long profile of the River Thames shown on **Figure 1a**.

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(4 marks)

(iii) Outline the contrasts between the two valley cross profiles of the River Thames shown on **Figures 1b** and **1c** and suggest reasons for the contrasts noted.

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(8 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

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- (b) **Figure 2** (*resource booklet*) is a photograph of a river channel in its upper course. Label **Figure 3** (*the black and white photograph*) to show the channel characteristics and evidence that discharge, when the photograph was taken (summer), was relatively low.



Figure 3

(8 marks)

- (c) **Figures 4a-e**, found in the centre of the resource booklet on pages 6 and 7, show the location of satellite images of the Jamuna River and old Brahmaputra (**Figures 4b and 4c**) taken in February and August 1987. **Figures 4d and 4e** are maps of part of the satellite images.
Describe the changes in channel characteristics, landforms and processes shown on **Figures 4b-e**.

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(8 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

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(e) You have experienced geography fieldwork as part of your course.

(i) For **any** geography fieldwork study that you have undertaken, briefly outline its aim.

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(2 marks)

(ii) For your chosen study in (e)(i):
outline the nature of **one** item of primary data collected;
state how this item of primary data was subsequently processed and/or presented;
and justify your choice of processing/presentation technique.

Item of primary data:

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(6 marks)

TURN OVER FOR THE NEXT QUESTION

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Do **not** answer this Section if you have answered Question 1 in Section A.

SECTION B

Answer **all** parts of the question in the spaces provided.

The Human Environment

Title: Central Business District: change in space and time

- 2 (a) (i) **Figure 6** (*resource booklet*) is a photograph of part of San Francisco, USA, a city in the MEDW. Label **Figure 7** (*the black and white photograph*) to show the contrasts between the two zones shown and the characteristics of the boundary between the zones.



Figure 7

(8 marks)

- (ii) **Figure 8** (*resource booklet*) is a plan of part of the Central Business District (CBD) of San Francisco as shown on a tourist guide.

Describe and comment on the pattern of land use shown in **Figure 8**.

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(8 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

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(ii) Distinguish between re-urbanisation and gentrification.

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(4 marks)

(iii) **Figure 9d** (*resource booklet*) shows the proposed land use in that part of the Paradise Street Development Area shown on **Figure 9a**.

Describe how you would map the data shown on **Figures 9a** and **9d** to clearly show the land use changes planned.

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(4 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

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THERE ARE NO QUESTIONS PRINTED ON THIS PAGE

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- Question 1(a): Figures 1a, b and c: Geofile Online, Jeremy Boot, Nelson Thornes.
Question 1(c): Figure 4a: Geography Review. Philip Allan. (1996).
Question 1(c): Figures 4b, c, d, e: Source; Geography Review. Author; Hugh Brammer.
Title; 'Bangladesh's Braided Brahmaputra'. Publisher; Philip Allan. Nov 1996.
Question 2(a ii): Figure 8: Guide Publishing Group.
Question 2(b iii): Figures 9a and d: Paradise Street Development Plan. Grosvenor.

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GEOGRAPHY (SPECIFICATION A)
Unit 3

Resource Booklet



GGA3

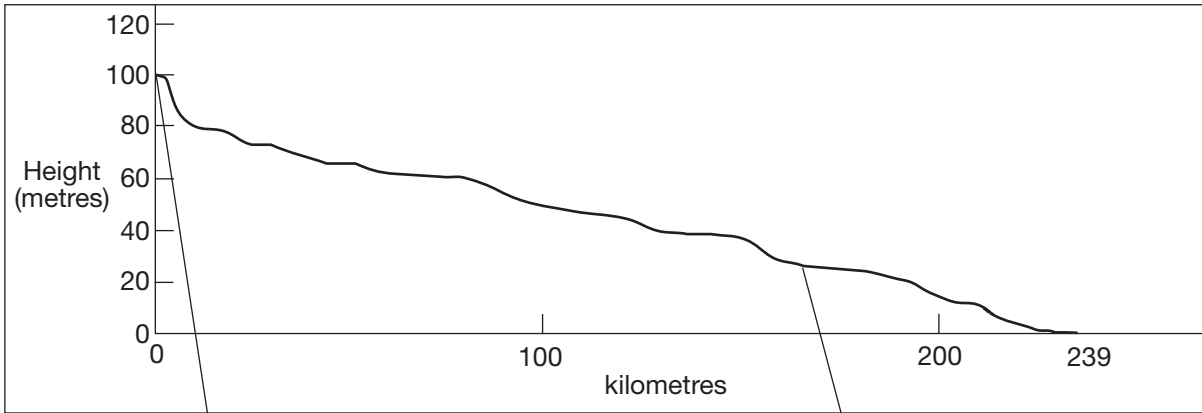


Figure 1a

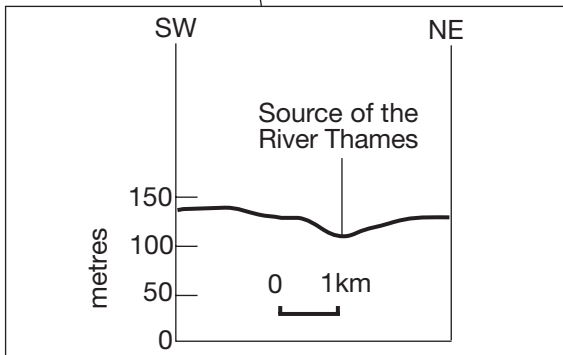


Figure 1b

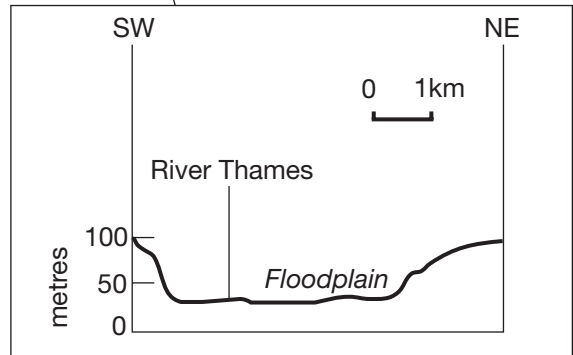


Figure 1c

Turn over ►



Figure 2



Figure 5c



Figure 5a

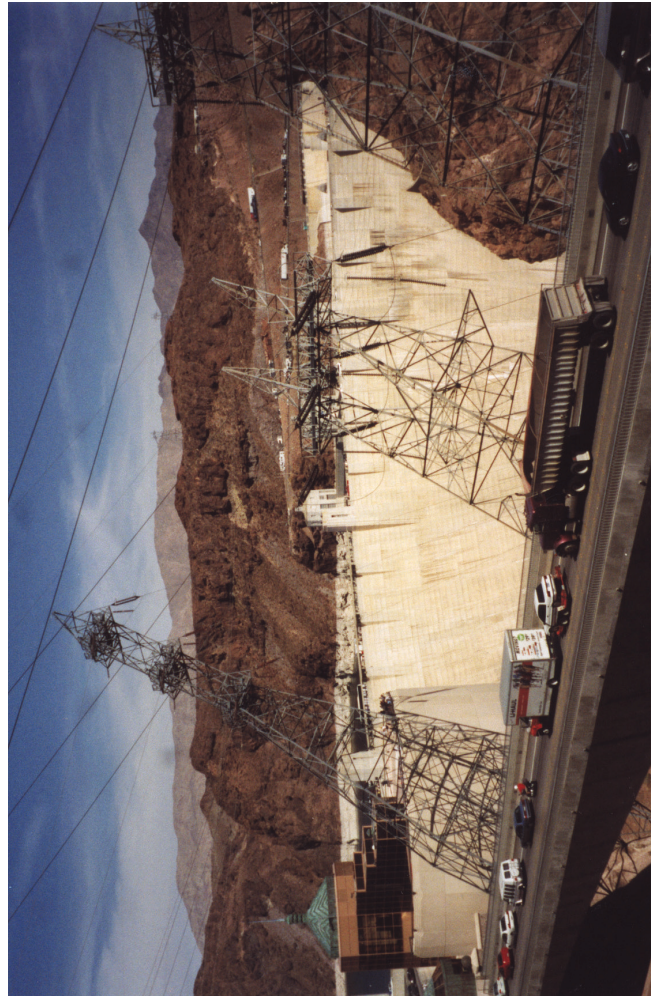


Figure 5b

Turn over ►

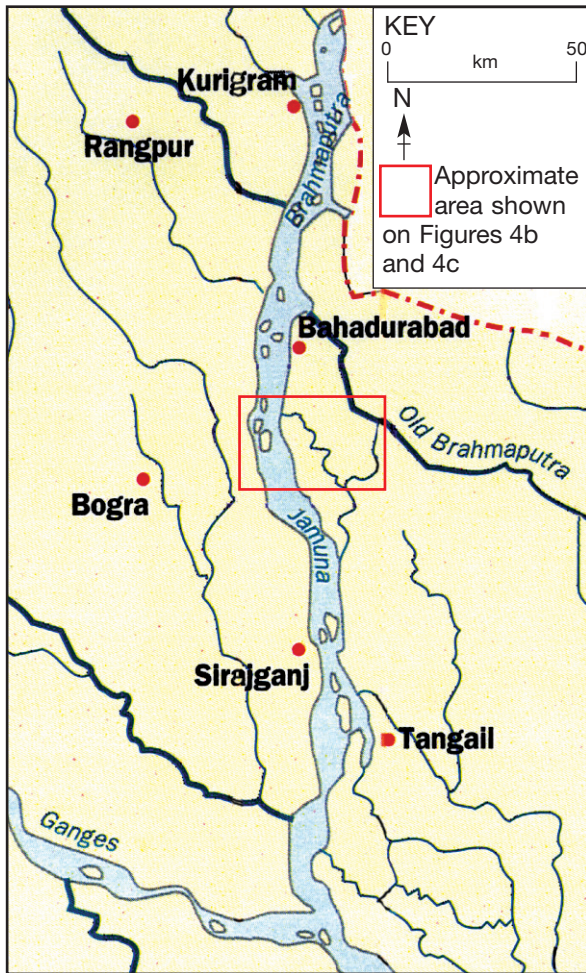


Figure 4a

Fig 4b, 4c, 4d, 4e *Satellite images*, source; Geography Review, by Hugh Brammer, Philip Allan (1996) – not reproduced here, due to third-party copyright constraints.



Figure 6

Fig 8, *Street plan of San Francisco*, Guide Publishing Group – not reproduced here, due to third-party copyright constraints.

Turn over ►

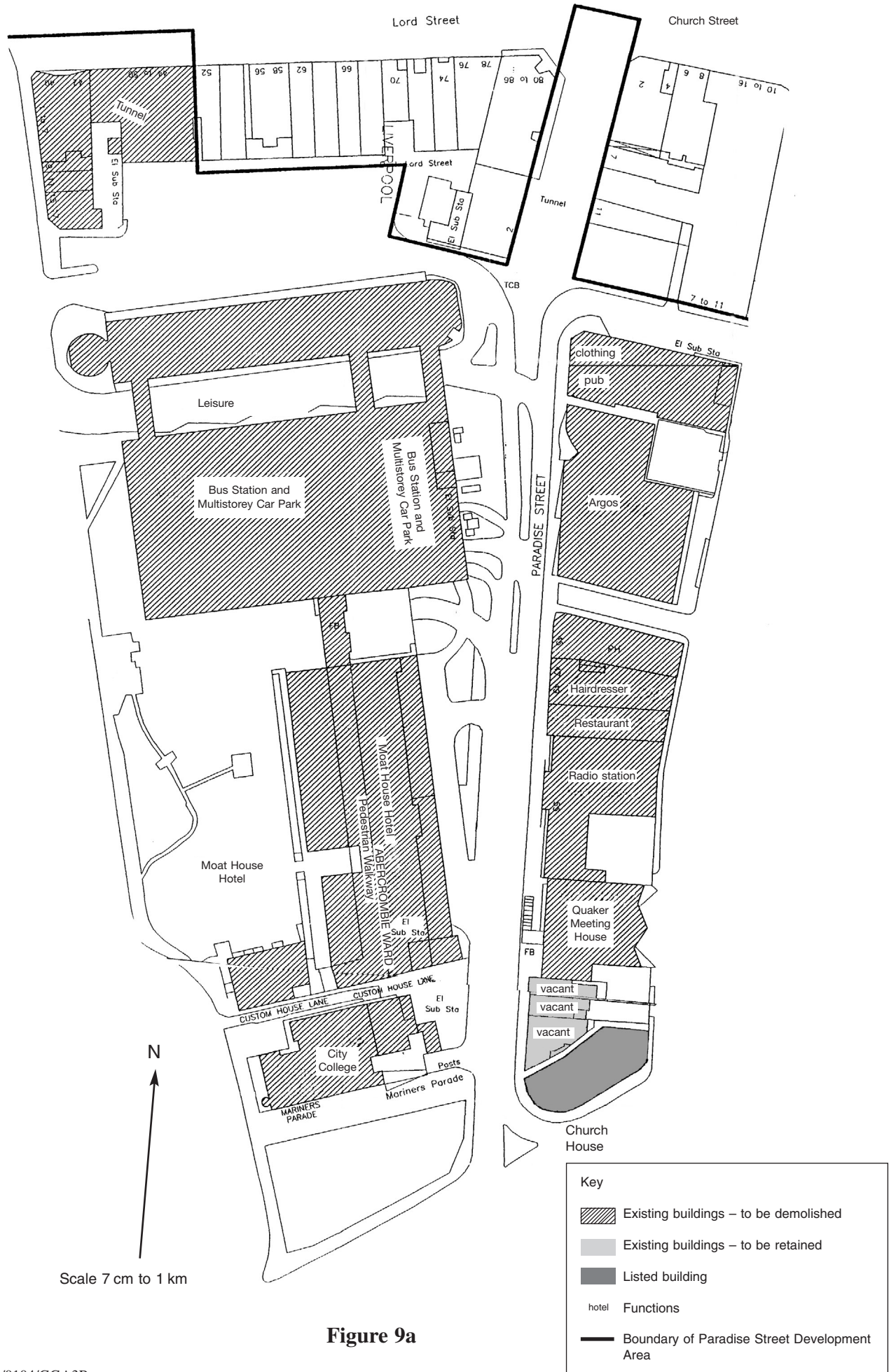


Figure 9a



Figure 9b



Figure 9c

Turn over ►

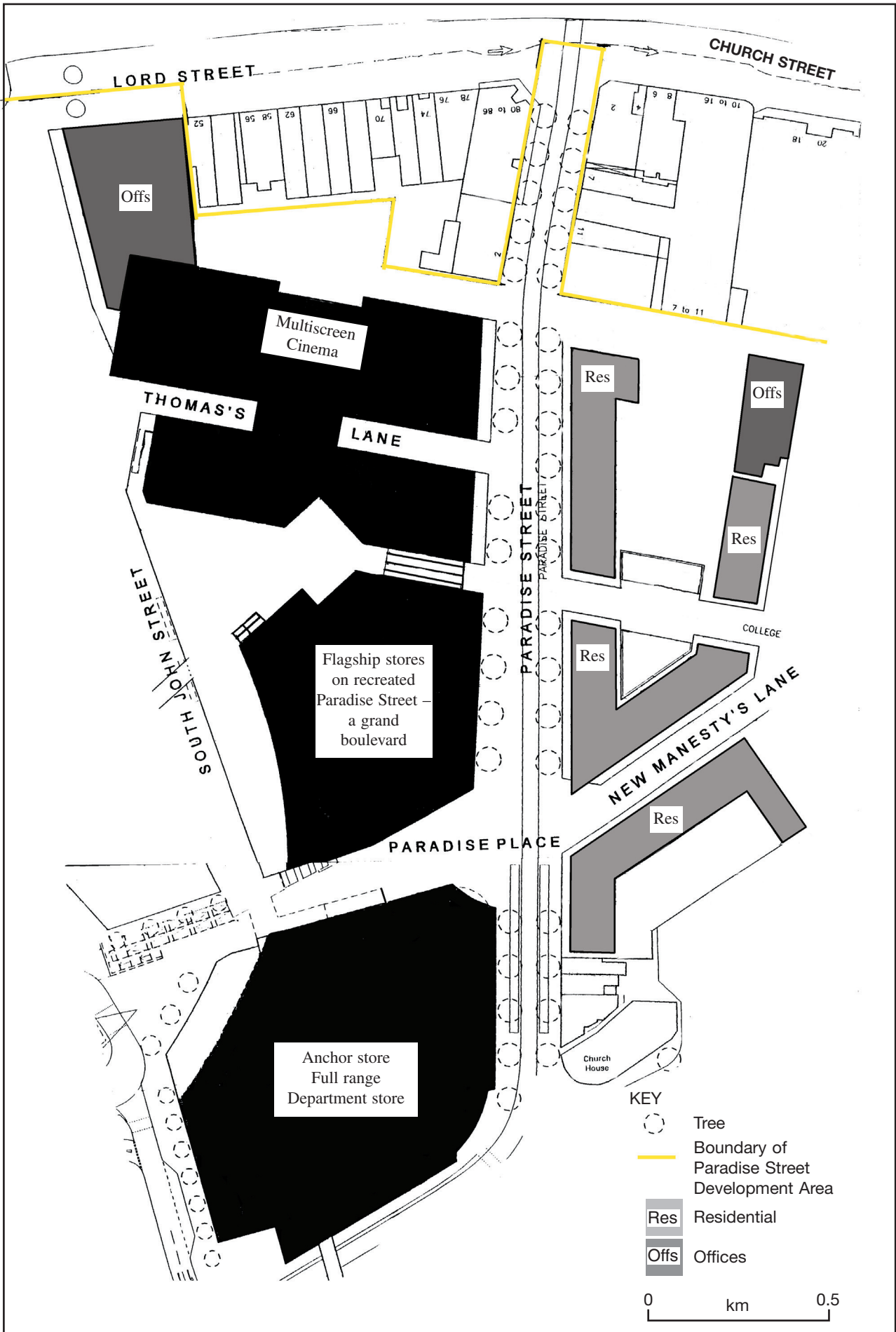


Figure 9d