

Cover photograph We see Southampton city centre from the air, looking northwards over the Royal Pier and Mayflower Park (where a Boat show is taking place) in the foreground. The low-lying area in the left centre, occupied mainly by industrial buildings, is formed of reclaimed land over Estuarine Alluvium deposits. Most of the rest of the city is built on River Terrace Deposits overlying formations of the Bracklesham Group. Cambridge University Copyright: photo 70K - BW 45

Natural Environment Research Council BRITISH GEOLOGICAL SURVEY

APPLIED GEOLOGICAL MAPPING SOUTHAMPTON AREA

Area covered by 1:50 000 Geological sheet No. 315 (Southampton) Parts of OS 1:10 000 sheets SU20, SU21, SU22, SU30, SU31, SU32, SU40, SU41, SU42, SU50, SU51 and SU52

R. A. Edwards, R. C. Scrivener and A. Forster

VOLUME 3: MAPS OF DRIFT GEOLOGY

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Authors

R. A. Edwards BSc PhD R. C. Scrivener BSc PhD British Geological Survey St Just 30 Pennsylvania Road Exeter EX4 6BX

A. Forster BSc

British Geological Survey Keyworth Nottingham NG12 5GG

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EXETER BRITISH GEOLOGICAL SURVEY 1987

MAPS OF DRIFT GEOLOGY (B1-B6)

VOLUME 3

BGS Research Report ICSO/87/2

Notes to the user

There is considerable variation in the quality and reliability of the source data used to compile this report and the accompanying set of applied geology maps, as well as a great disparity in the density of site investigation data within the study area. Therefore, the accuracy and reliability of the interpreted information reflects that of the source data. However, emphasis has been placed throughout on the most reliable data, particularly those derived from authoritative sources such as geotechnical engineers and geologists.

Thus the report and maps are to be regarded as the best interpretation of the information available at the time of compilation. They should be used for preliminary studies only and are not intended as a substitute for on-site investigations or detailed local searches. The responsibility for assuring that geological, geotechnical and mineral and water resource data for any given site are as indicated in the maps and in the figures and text of this report must remain solely that of the user.

The possible occurrence of undetected anomalous site conditions should always be anticipated. The indicated occurrences of mineral deposits do not necessarily imply an economic resource. The possible presence of unmapped variable thicknesses of superficial deposits and Made Ground, particularly within the urban area of Southampton, should also be taken into account in any planning procedures.

There is no substitute for the knowledge provided by a detailed site investigation that takes into consideration the extent, nature and location of a proposed development. Therefore the report and maps are intended a) to give guidance on when to seek specialist advice and b) to aid developers in formulating effective investigations.

No information made available after the end of 1986 has been taken into account in this report.

All National Grid references in the report lie within the 100km square SU. Grid references are given to either eight figures (accurate to within 10m), or six figures for more extensive locations.

Data used in preparing this report and associated maps is lodged at the Exeter office of the British Geological Survey. Any enquiries concerning these documents should be directed to that office. Enquiries concerning the computer techniques or methodology should be directed to the Edinburgh or Keyworth office of the Survey. Enquiries about purchase of the report or maps should be

directed to the National Geosciences Data Centre, British Geological Survey, Keyworth, Nottingham NG12 5GG.

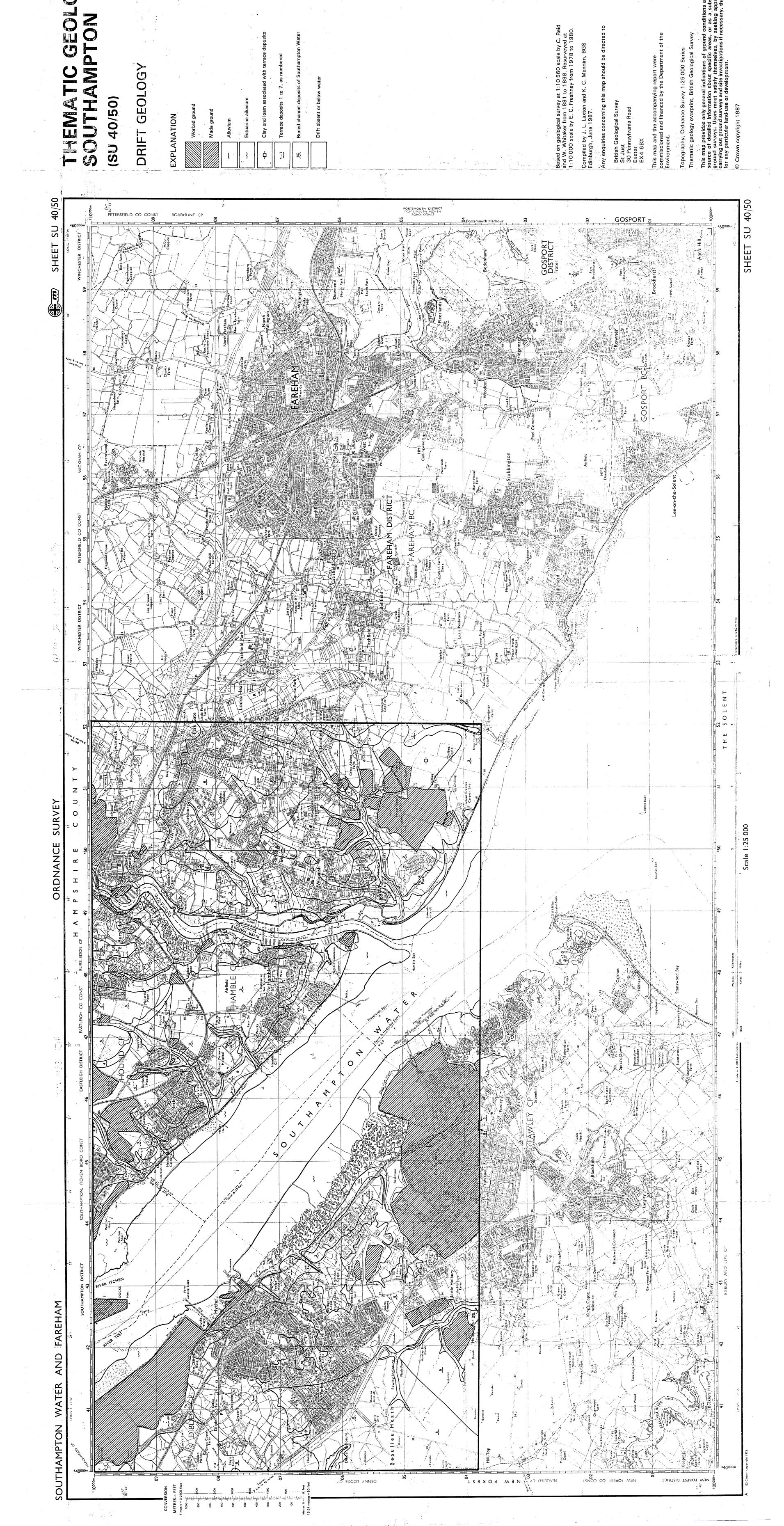
DESCRIPTION OF THE APPLIED GEOLOGY MAPS

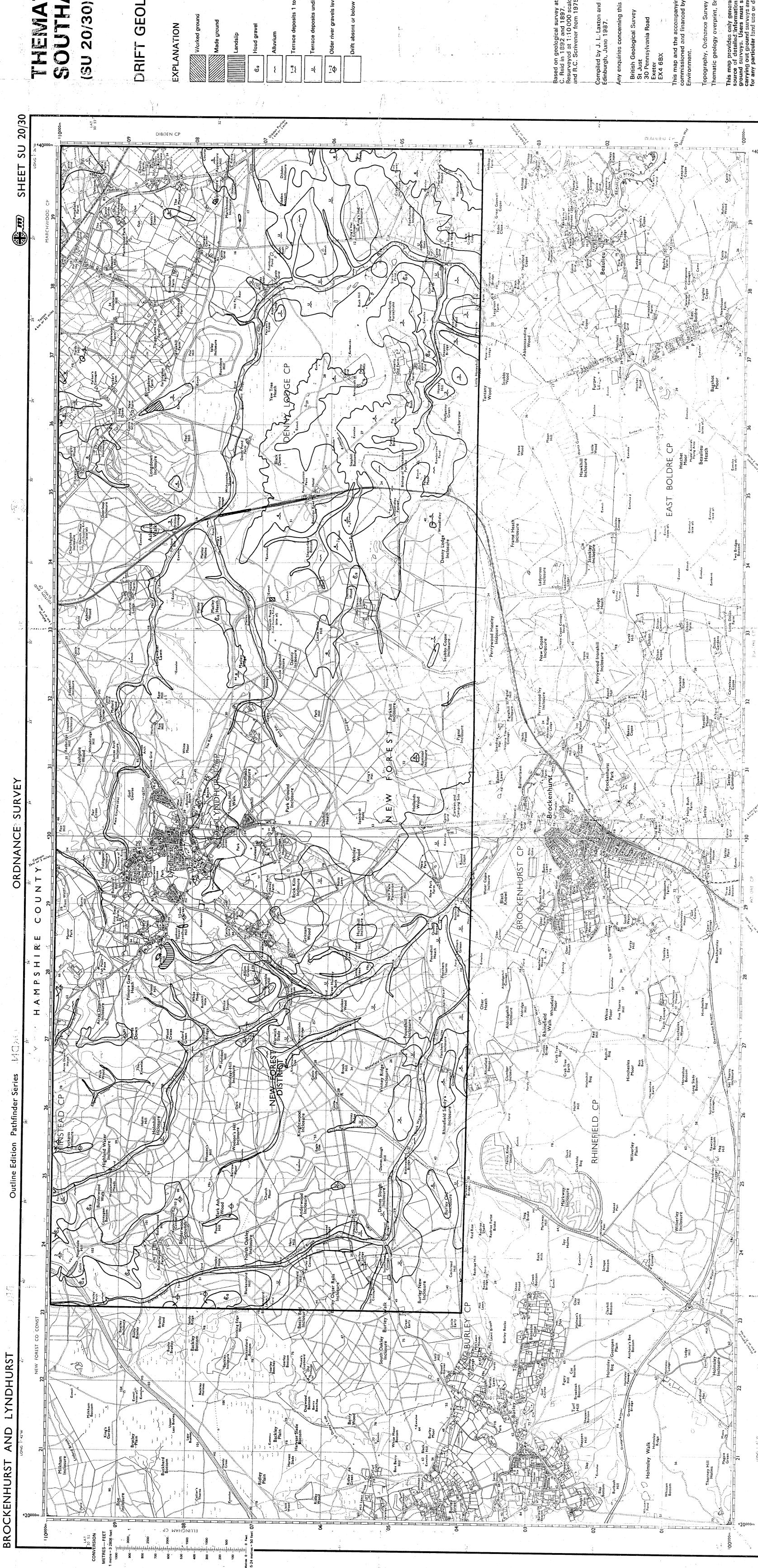
Drift geology (Maps B1-B6)

This set of maps consist of six sheets at the 1:25 000 scale showing the distribution of the drift deposits (Quaternary and Recent) and Made Ground that overlie the solid formations of the study area.

The maps are derived directly from 1:10 000 scale geological maps produced during the most recent (1973-80) survey of the area, by digitising the drift lines and transferring them, with the appropriate scale-change, onto 1:25 000 base maps.

Description of the drift deposits shown on the map are given in the Appendix.





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DRIFT GEOLOGY

SHEET SU 20/30

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FORDINGBRIDGE RD TORDINGBRIDGE CP

