



Malcolm Garrett RDI
Applied Information Group
BIO 22 – 8 October 2010

Where did it all begin?

ORGASM
|
ADICT



COLLAGE - LINDER

BUZZCOCKS



duran duran

GREATEST

girls on film • rio • save a prayer • is there something i should know? • the reflex • wild boys • ordinary world

DURAN DURAN DURAN

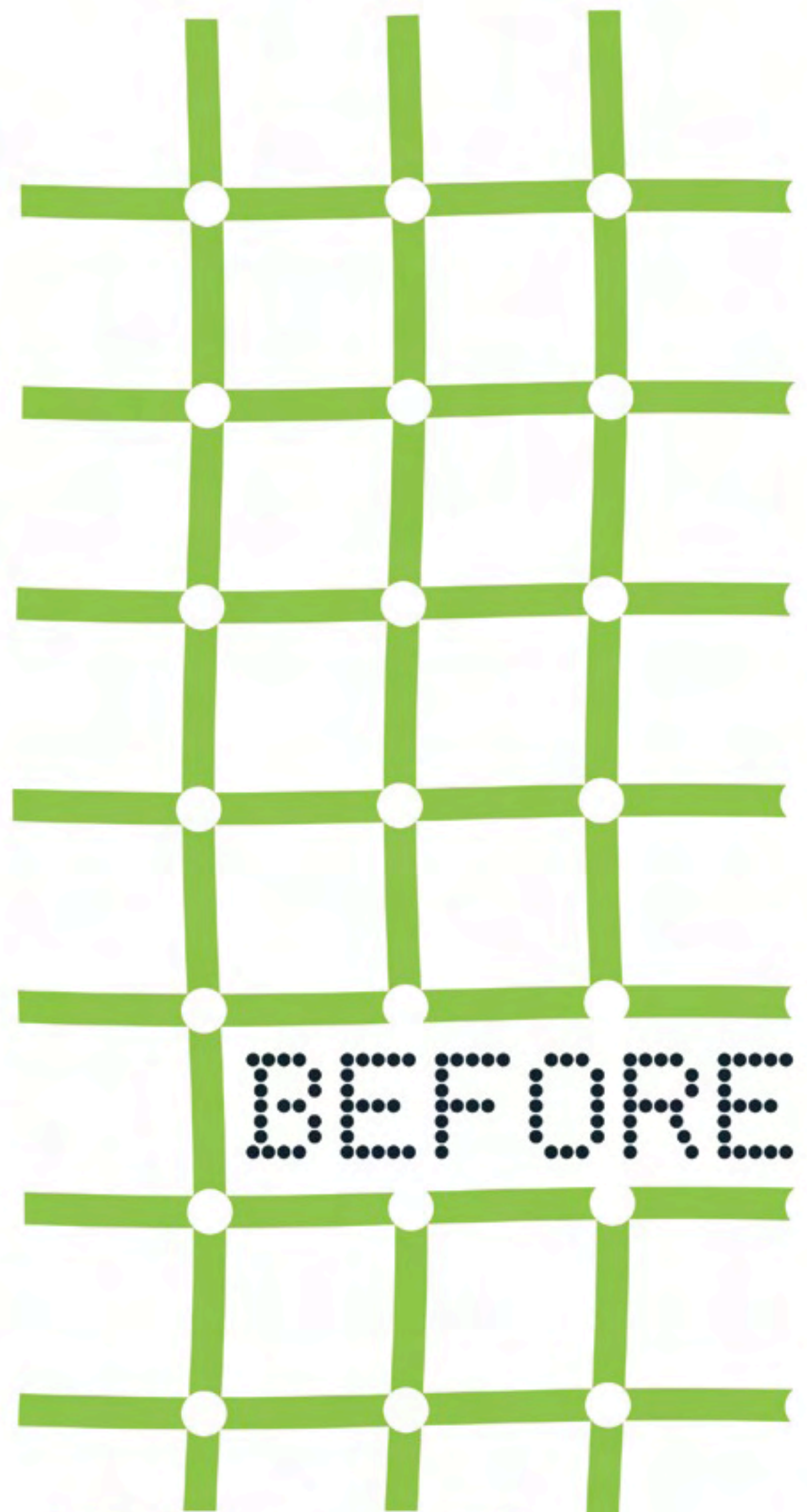
19 of their **greatest** tracks

cd – cassette – minidisc – video

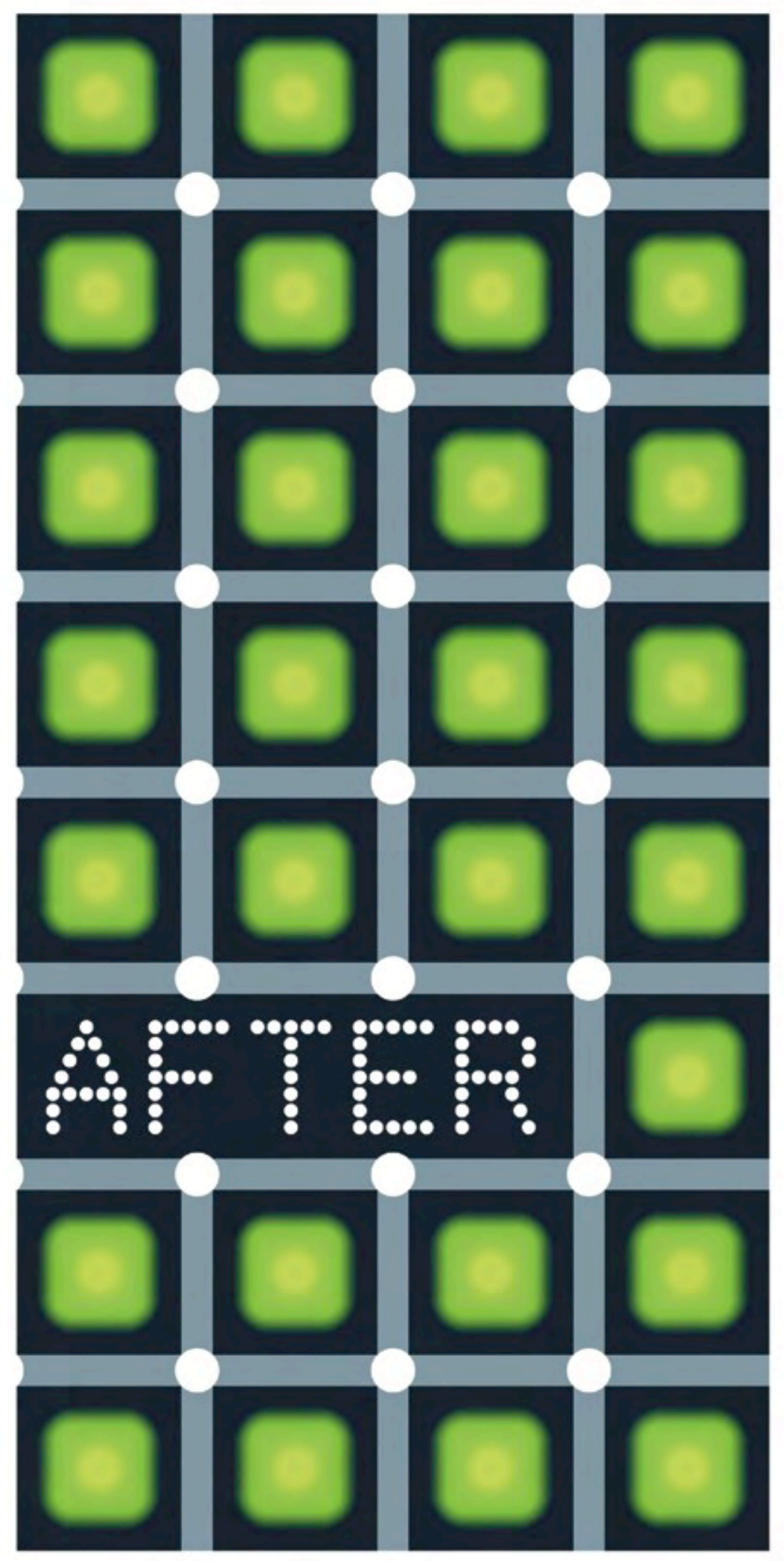
www.duranduran.com





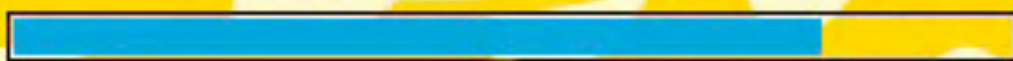


BEFORE



AFTER

Heaven 17





FUTURE OF SOUND

| [Home](#) | [Future of Sound](#) | [Events](#) | [Artists](#) | [Past Events](#) | [Press](#) | [Feedback](#) | [Contact](#) |

2009

De Montfort University,
Leicester
21-23 January

Goldsmiths,
University of London
24 March

Arncliffe, Bristol
25 April

The Sage Gateshead
23 May

Leicester Square Gardens
London
4-14 June

i-Design 09 Conference
University of Westminster
London
24 September

Future of Sound Events



Future of Sound / Future of Light Tour 2009

Theatre-sized multi-sensory environments, 3D sound, interactive light installations and animated sea beasts are brought together via the cutting edge of audiovisual experiments in **Future of Sound 2009** which launched at the De La Warr Pavilion in Bexhill-on-Sea, Sussex on 22 November 2008.

Future of Sound 2009 marries an international collective of vanguard musicians, animators, visual artists and digital masters in a nationwide tour of interactive multi-sensory performances, hosted by Martyn Ware.

Each show includes site specific performances that make every date on the tour a unique experience from the launch event at the De La Warr Pavilion to the tour's final and climatic 24-hour BFI IMAX event. Following the success of Future of Sound's inaugural 2007 tour, 2009 brings new performers and innovations to six UK venues and introduces a new strand to the programme: **Future of Light**.



In addition to evening performances, Future of Sound will feature a series of afternoon lectures that showcase the science behind the innovations and their potential application in architecture, education and occupational therapy.

Soundlife London



Soundlife London is a unique 3-D sound composition, created especially for Leicester Square Gardens in central London, revealing the three-dimensional sound world that surrounds us at all times, in the most fascinating and diverse city in the world. It will play every day from 4-14 June 2008.



DURAN DURAN



UNSEEN...

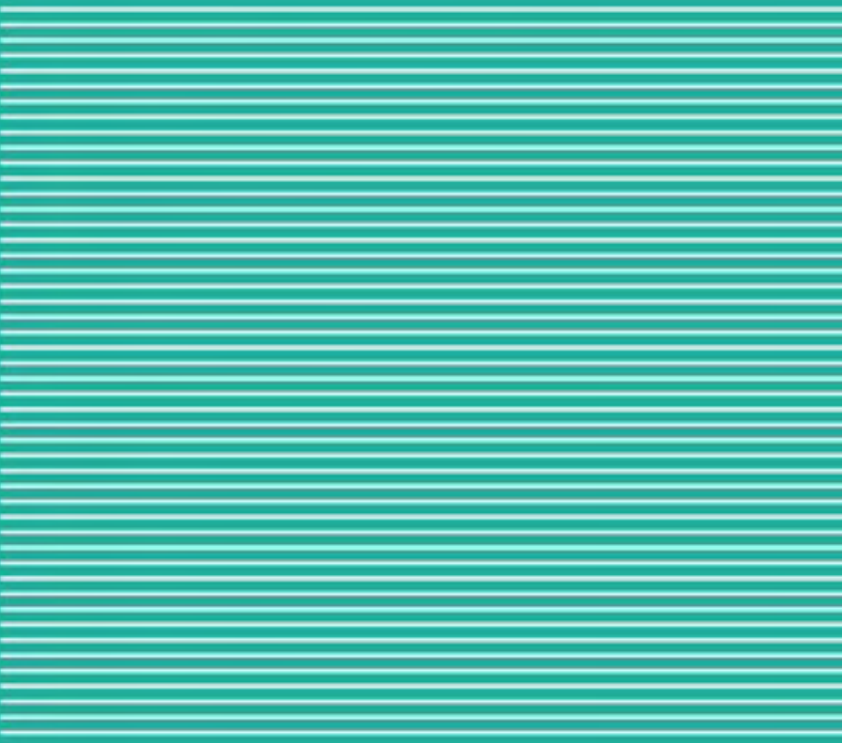
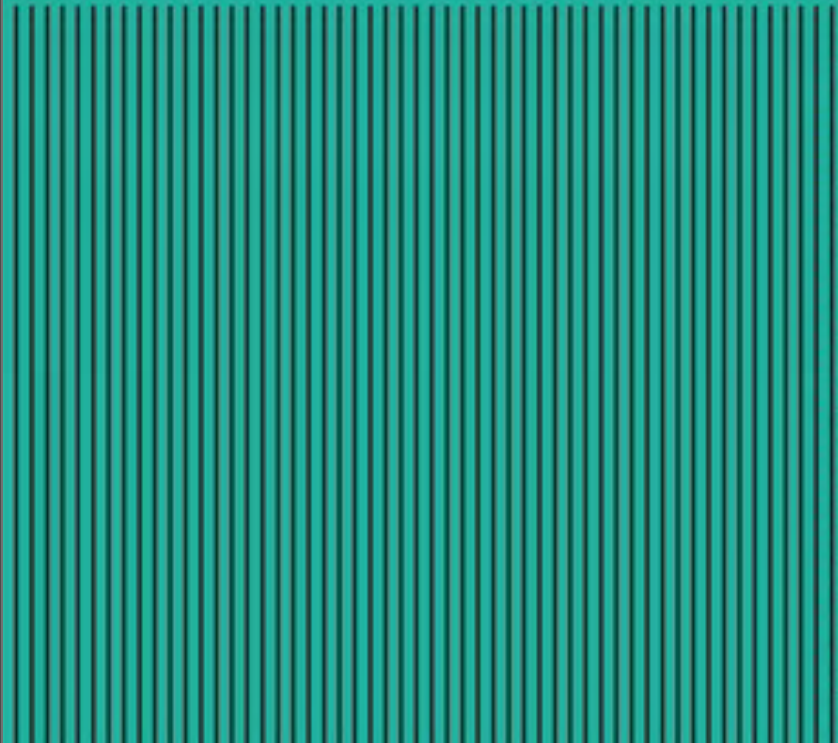
PAUL EDMOND —PHOTOGRAPHS 1979-82



MAGAZINE

MAGAZINE

The biography by Helen Chase



≡ I am ANGRY,
I am ILL,
and
I'm as UGLY
as SIN. ≡

HOWARD DEVOTO *-after F.D.*

MAGAZINE

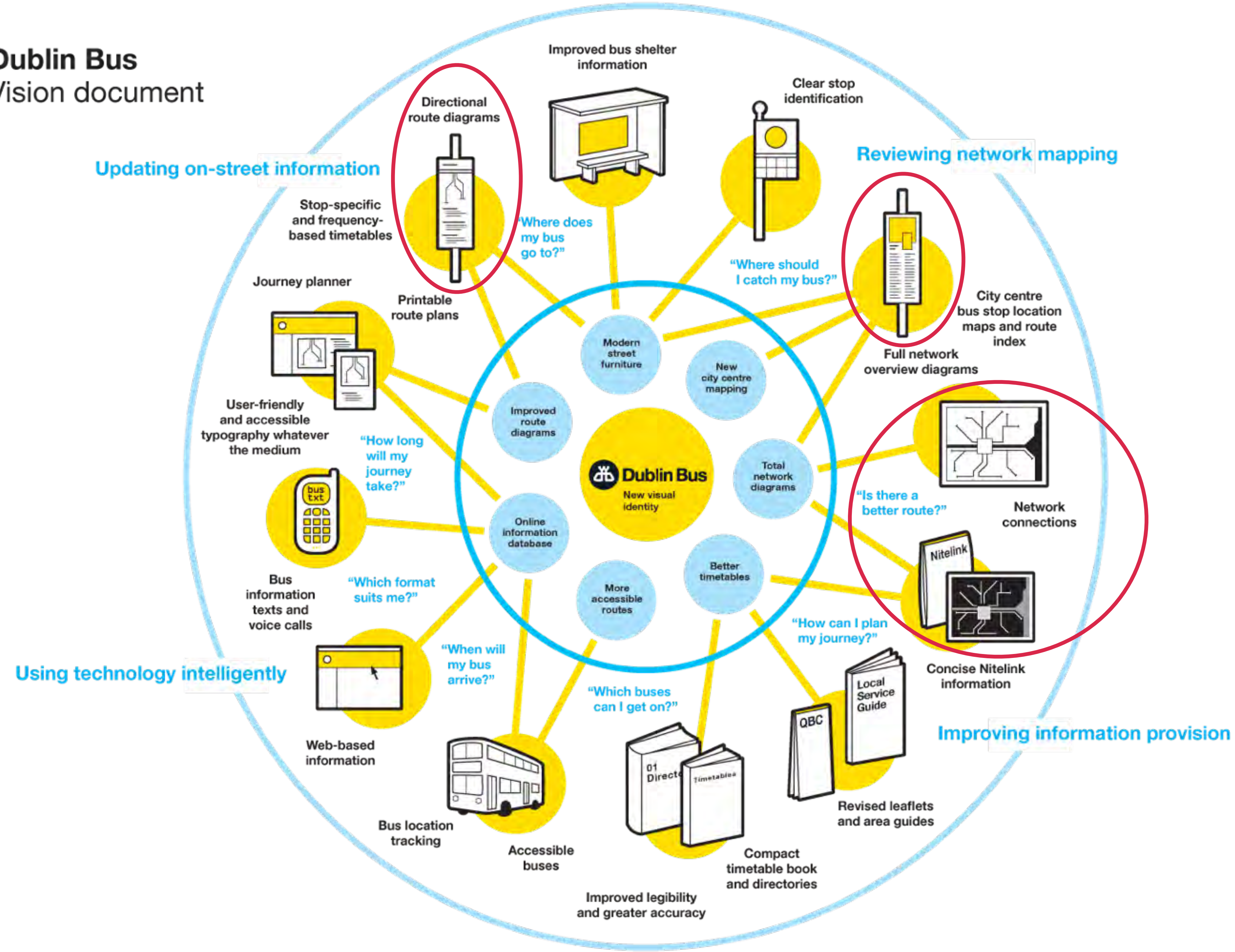


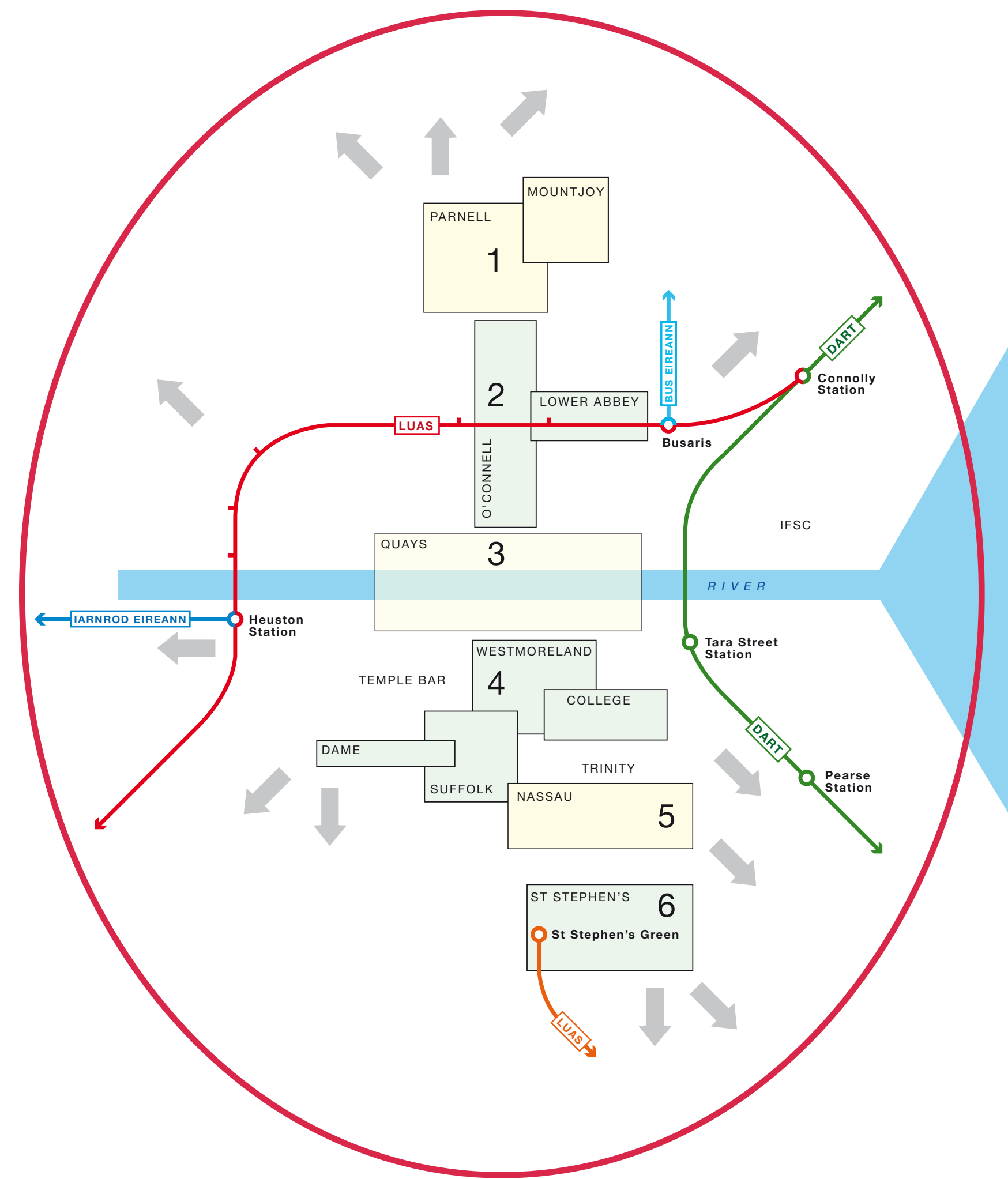
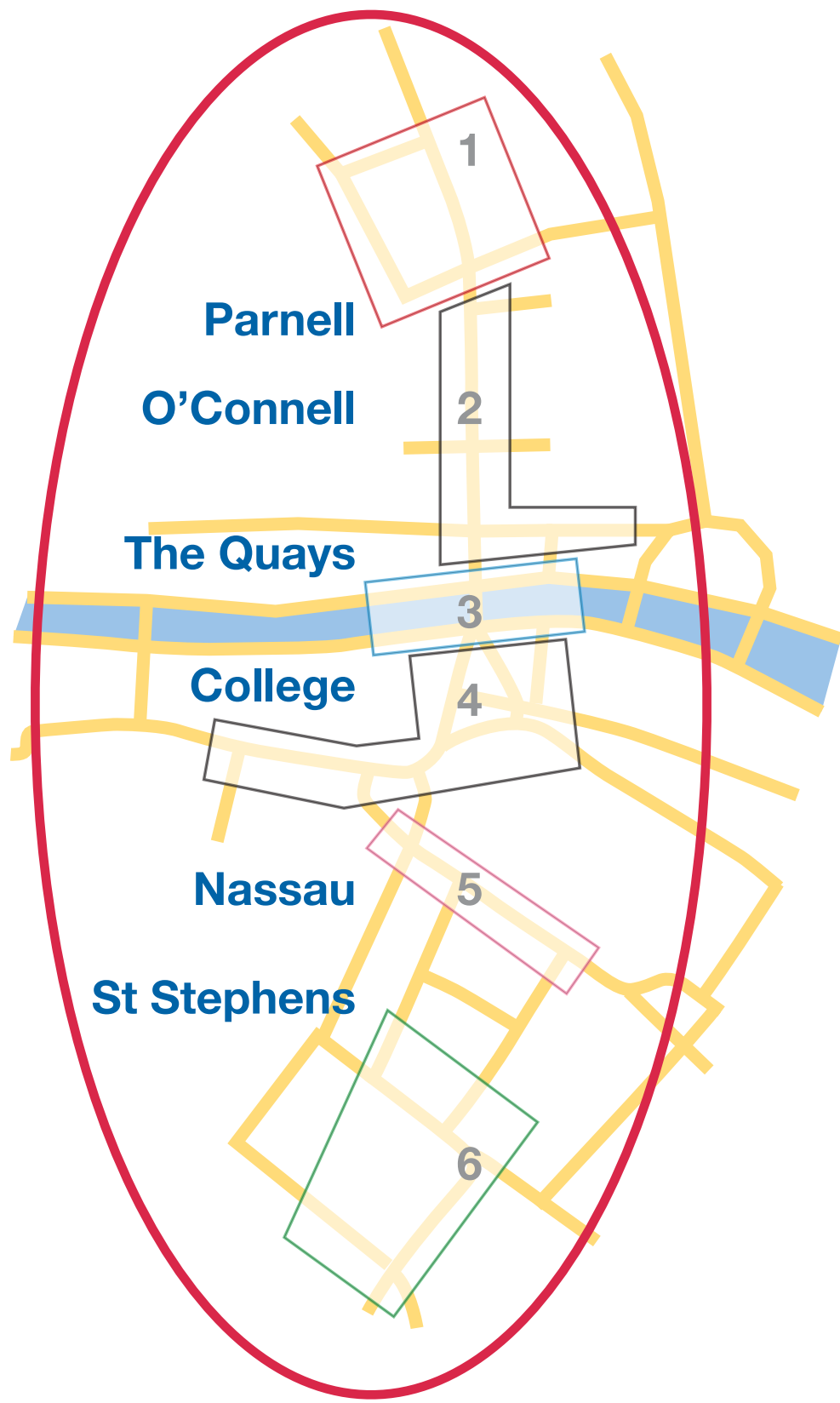
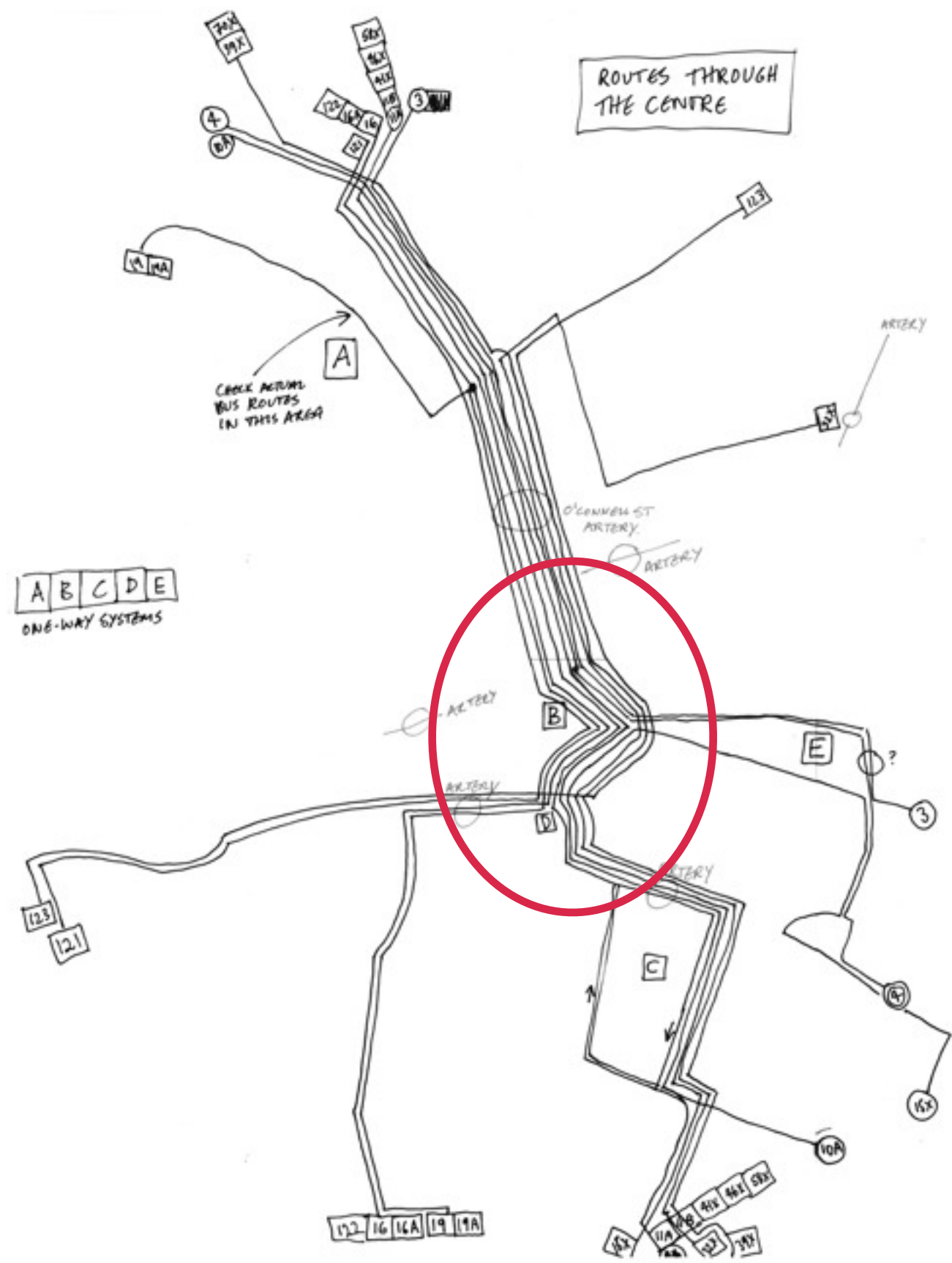
“ I KNOW
THE MEANING
OF LIFE.
*IT DOESN'T
HELP ME
A BIT.* ”

HOWARD DEVOTO

MAGAZINE

Thinking about the way people think





Reading the city



Where to catch your bus
Parnell Square stops
 Cearnóg Pharnell stads

City Centre zones

- Parnell Square
- O'Connell Street
- The Quays
- Trinity College
- Nassau Street
- St Stephen's Green

Finding the right bus stop

SJ Yellow discs show the locations of your local bus stops. The disc appears **CA** on top of the bus stops in the street.

Use the index below to find the right stop on the map above.

Other yellow dots on the map above are bus stops in adjacent areas.

General information

Telephone
01 873 4222

E-mail
info@dublinbus.ie

Phone lines open
Mon - Sat: 08:30 - 18:00
Closed Sun and public holidays

Website
www.dublinbus.ie

Head Office
59 Upper O'Connell Street
Dublin 1, Ireland

Where to catch your bus
O'Connell Street stops
 O'Connell Street stops

City Centre zones

- Parnell Square
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The purple lozenge indicates stops on the Luas line.

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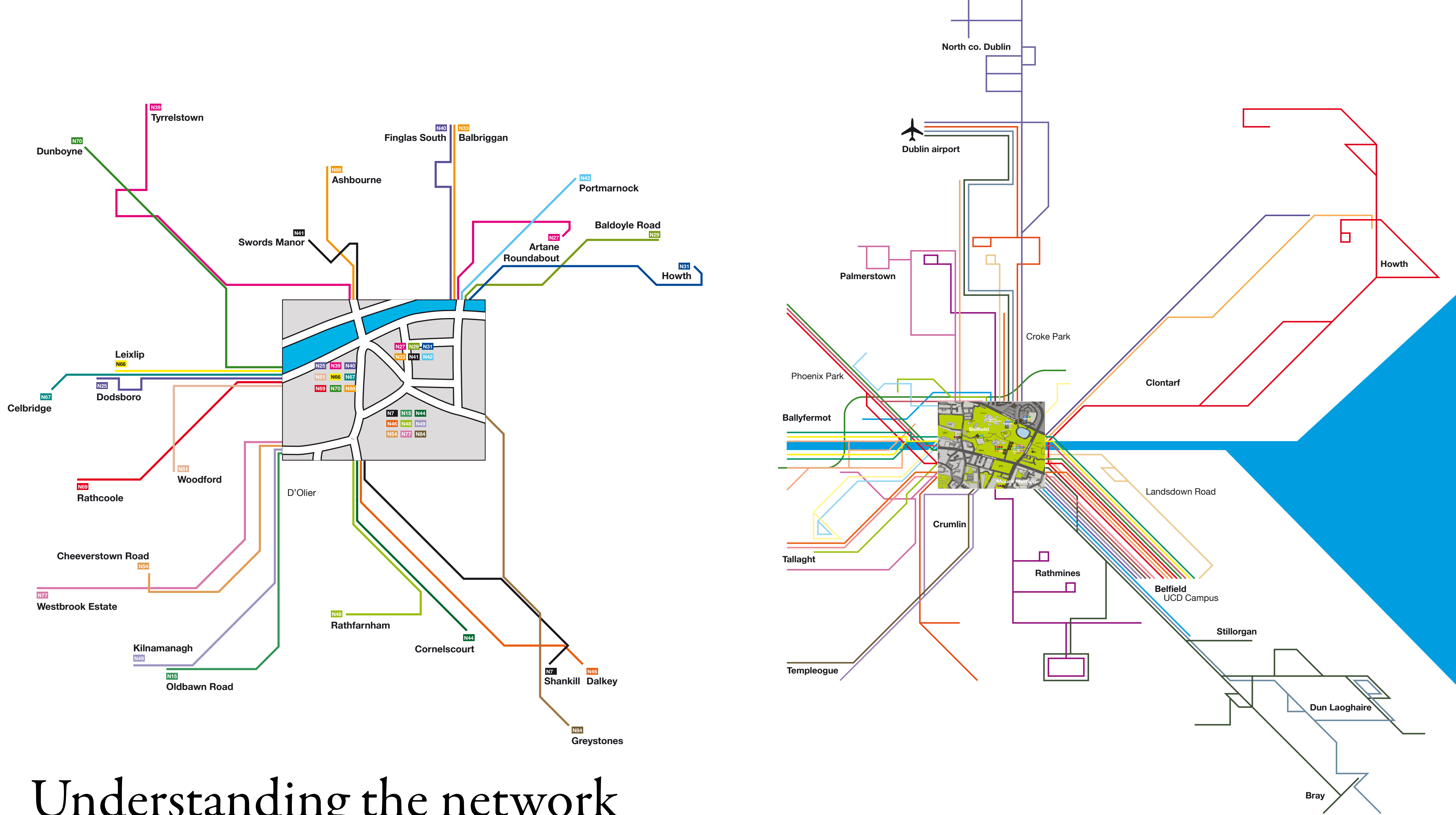
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Website
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Head Office
59 Upper O'Connell Street
Dublin 1, Ireland

City centre zones



Understanding the network

Dublin Bus Network

7

6

5

4

3

2

1

A

B

C

D

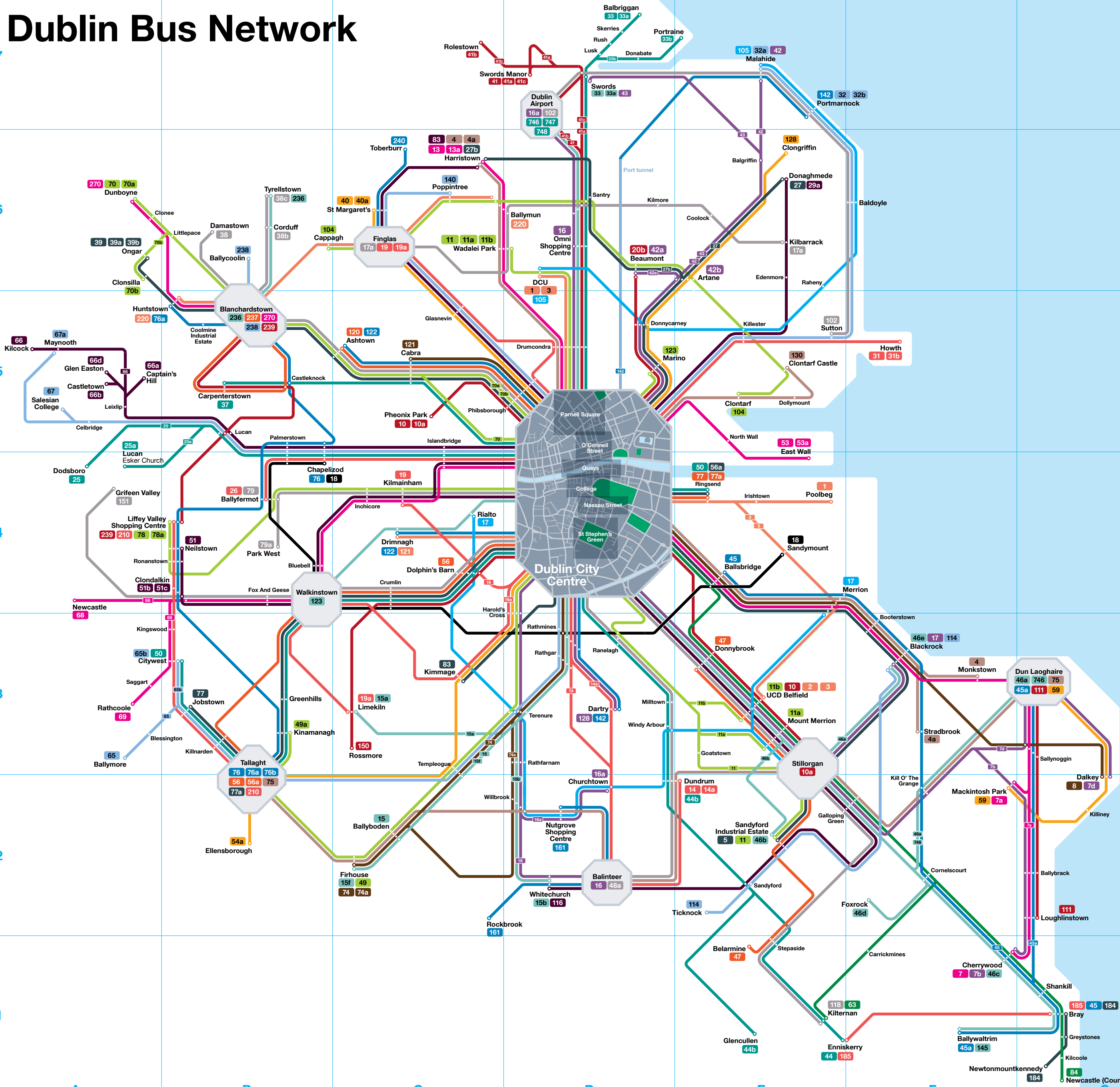
E

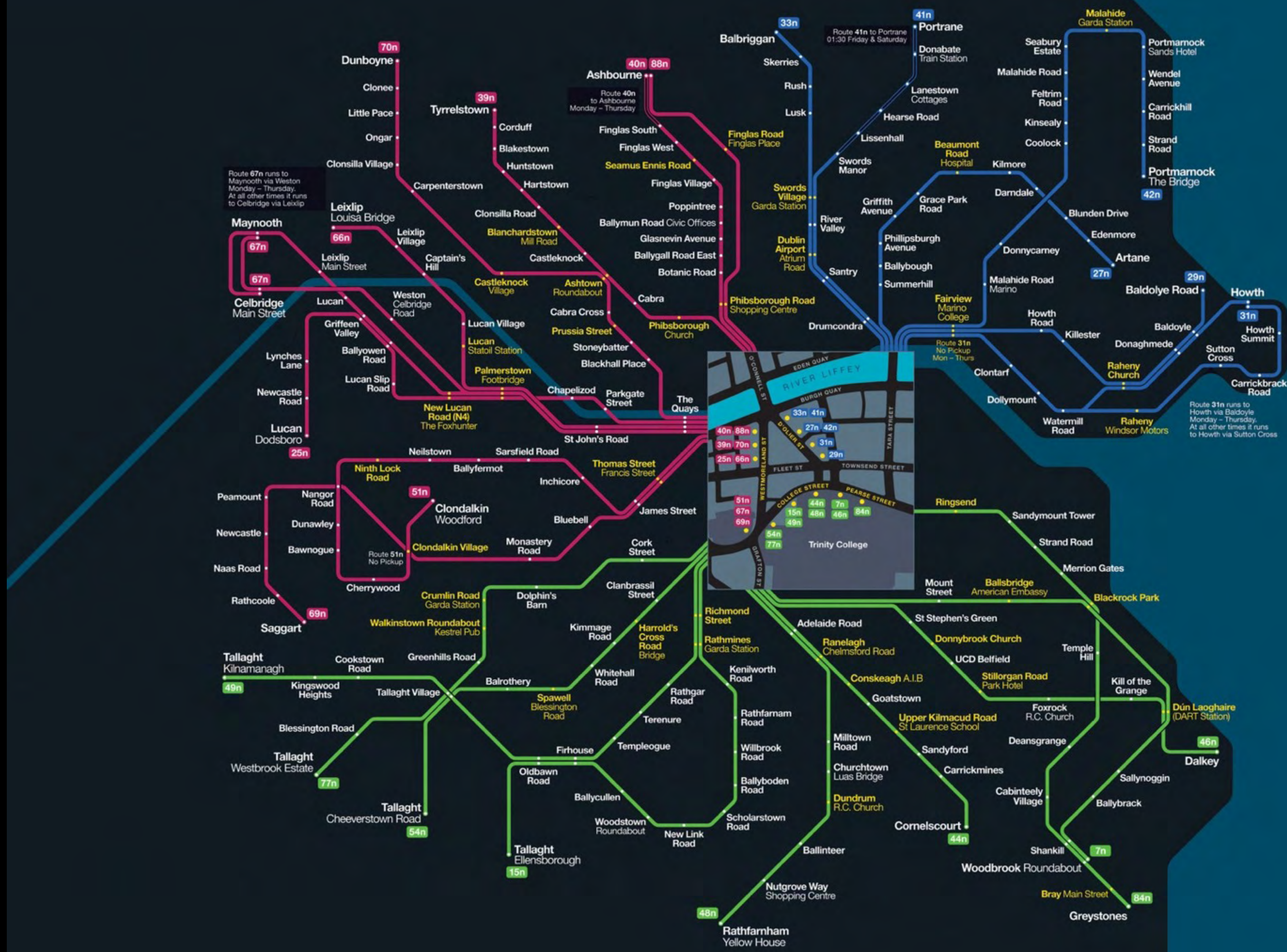
F

G

Destination finder

Artane	E6	Dun Laoghaire	F3	(County Wicklow)	G1
Ashtown	C5	Dunboyne	A6	Newtonmountkenedy	F1
Balbriggan	D7	Dundrum	E2	North Wall	E5
Baldoyle	F6	East Wall	E4	Nutgrove Shopping Centre	D2
Balgriffin	E6	Edenmore	E6	Omni Shopping Centre	D6
Balinteer	D2	Ellensborough	B2	Shopping Centre	D6
Ballsbridge	E4	Enniskerry	E1	Ongar	A6
Ballyboden	C2	Finglas	C6	Palmerstown	B5
Ballybrack	G2	Firhouse	C2	Park West	B4
Ballycoolin	B6	Fox And Geese	B4	Phoenix Park	C5
Ballyfermot	B4	Foxrock	E2	Phibsborough	C5
Ballymore	A3	Galloping Green	E2	Poolbeg	E4
Ballymun	D6	Glasnevin	C5	Poppintree	C6
Ballywaltrim	F1	Glen Easton	A5	Port tunnel	D6
Beaumont	D6	Glencullen	E1	Portmarnock	E7
Belarmine	E1	Goatstown	E3	Portraine	D7
Blackrock	F3	Greenhills	B3	Raheny	E6
Blanchardstown	B5	Greystones	G1	Ranelagh	D3
Blessington	A3	Griffen Valley	A4	Rathcoole	A3
Bluebell	B4	Harold's Cross	D4	Rathfarnham	D3
Boosterstown	F3	Harristown	C6	Rathgar	D3
Bray	G1	Howth	F5	Rathmines	D3
Cabra	C5	Huntstown	A5	Rialto	C4
Cappagh	B6	Inchicore	C4	Ringsend	E4
Captain's Hill	A5	Irishtown	E4	Rockbrook	C2
Carpenterstown	B5	Islandbridge	C5	Rolestown	C7
Carrickmines	F1	Jobstown	B3	Ronanstown	A4
Castleknock	B5	Kilbarrack	E6	Rossmore	C3
Castletown	A5	Kilcock	A5	Rossmore	C3
Celbridge	A5	Kilcoole	G1	Rush	D7
Chapelizod	B4	Kill O' The Grange	F2	Saggart	A3
Cherrywood	F1	Killester	E5	Salesian College	A5
Churchtown	D2	Killiney	G2	Sallynoggin	G3
Citywest	A3	Killnarden	B3	Sandyford	E2
Clondalkin	A4	Kilmainham	C4	Sandyford Industrial Estate	E2
Clonee	A6	Kilmore	D6	Sandymount	E4
Clongriffin	E6	Kiltarnan	E1	Santry	D6
Clonsilla	A6	Kimmage	C3	Shankill	G1
Clontarf	E5	Kinamanagh	B3	Skerries	D7
Clontarf Castle	E5	Kingswood	A3	St Margaret's	B6
Coolmine Industrial Estate	B5	Leixlip	A5	Stepaside	E1
Coolock	E6	Liffey Valley Shopping Centre	B4	Stillorgan	E3
Corduff	B6	Limekiln	C3	Stradbrook	F3
Cornelscourt	F2	Littlepace	B6	Sutton	D5
Crumlin	C4	Loughlinstown	G2	Swords	D7
DCU	D6	Lucan	B5	Swords Manor	C7
Dalkey	G2	Lucan Esker Church	A4	Tallaght	B3
Damastown	B6	Lusk	D7	Templeogue	C3
Dartry	D3	Mackintosh Park	F2	Terenure	D3
Dodsboro	A4	Malahide	E7	Ticknock	D2
Dollymount	E5	Marino	D5	Toberburr	C6
Dolphin's Barn	C4	Maynooth	A5	Tyrellstown	B6
Donabate	D7	Merrion	E4	UCD Belfield	E3
Donaghmede	E6	Milltown	E4	Wadalei Park	C6
Donnybrook	E3	Monkstown	F3	Walkinstown	B4
Donnycarney	D5	Mount Merrion	E3	Whitechurch	D2
Drumconra	D5	Neilstown	B4	Willbrook	C2
Dublin Airport	D7	Newcastle	A4	Windy Arbour	D3
		Newcastle	A4		





Route 67n runs to Maynooth via Weston Monday - Thursday. At all other times it runs to Celbridge via Leixlip

Route 40n to Ashbourne Monday - Thursday

Route 41n to Portrane 01:30 Friday & Saturday

Route 31n No Pickup Mon - Thurs

Route 31n runs to Howth via Baldoyle Monday - Thursday. At all other times it runs to Howth via Sutton Cross





Dublin Bus
Serving the entire community

4821-3

April 2006

50X KILLINARDEN - BELFIELD **XPRESSO**

FROM KILLINARDEN	FROM BELFIELD
0720	1620 (College Green: 1645)
Monday to Friday Service only (excluding Bank Holidays)	
<p>STOPS</p> <p>ZONE 1</p> <ul style="list-style-type: none"> Killinarden Heights Killinarden Road Springfield The Square / Hospital Belgard Road Mayberry Road Greenhills Rd. (Cuckoo's Nest) Greenhills Rd. (Green Park) Dolphin's Barn (Bridge) South Circular Road Clanbrasil Street Patrick Street Christchurch Place Lord Edward Street Dame Street Fleet Street Townsend Street Lombard Street Westland Row Merrion Square West Merrion Square East Baggot Street (Bridge) Waterloo Road <p>ZONE 2</p> <ul style="list-style-type: none"> Dolphin's Barn (Bridge) South Circular Road 	<p>STOPS</p> <p>ZONE 2</p> <ul style="list-style-type: none"> Belfield Campus Stillorgan Road Donnybrook Road Morehampton Road Waterloo Road Baggot Street (Bridge) Merrion Square East Merrion Square North Ciare Street Lincoln Place Westland Row Pearse Street College Green Lord Edward Street Wentworth Street Bride Street The Grange Clare Street Dolphin's Barn (Bridge) <p>ZONE 1</p> <ul style="list-style-type: none"> Waterloo Road Baggot Street (Bridge) Merrion Square East Merrion Square North

Dublin Bus Document for consultation
 Colour palette and colour vision deficiency
 Simulations of the most common types of colour deficiency
 4 Oct 2007

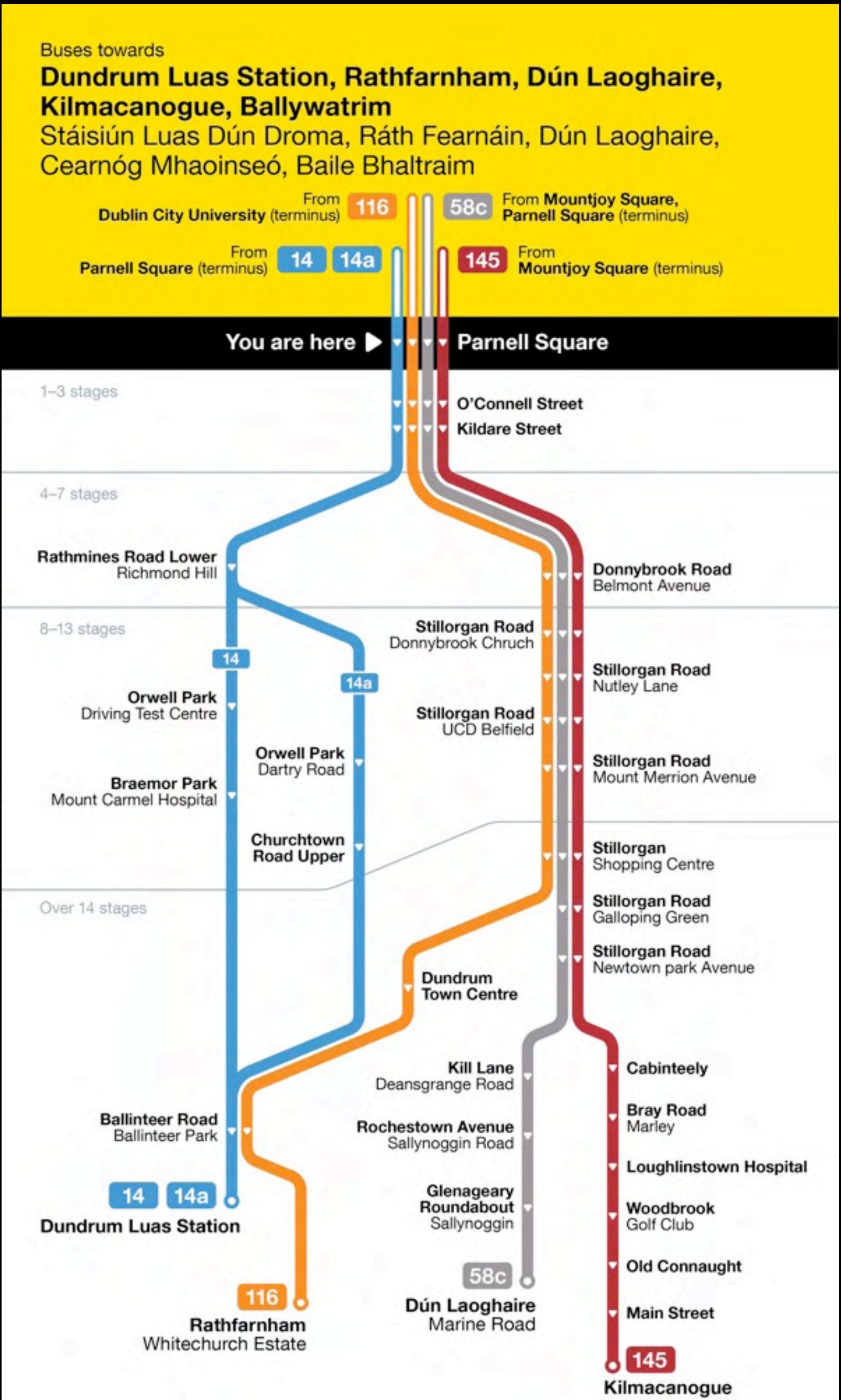
The colours below are to be used on the multiple vertical route diagrams, they should be used in the exact order that they appear below. This guarantees maximum contrast between adjacent colours.

Brand and primary colours

Simulated deuteranopia

Simulated tritanopia

Simulated protanopia



Stating the obvious



o Contr
ease wait
front of desk

3

port Control
ease wait
front or desk

2

Exit
Baggage claim

 UK Border

 UK

Please stand behind the line until called

2

Please stand behind the line until called

3



UK Border

5

6

1

2

3

4

Wait until called forward
One person at a time
No phones at desk

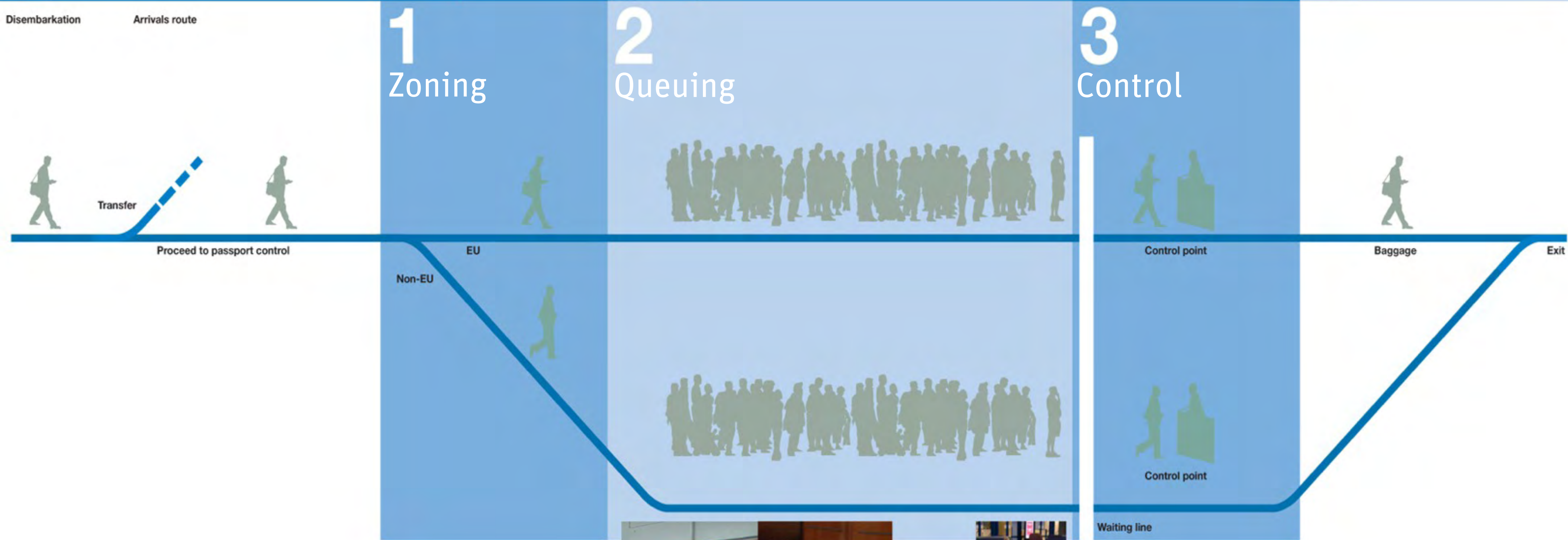
Wait until called forward
One person at a time
No phones at desk

Wait until called forward
One person at a time
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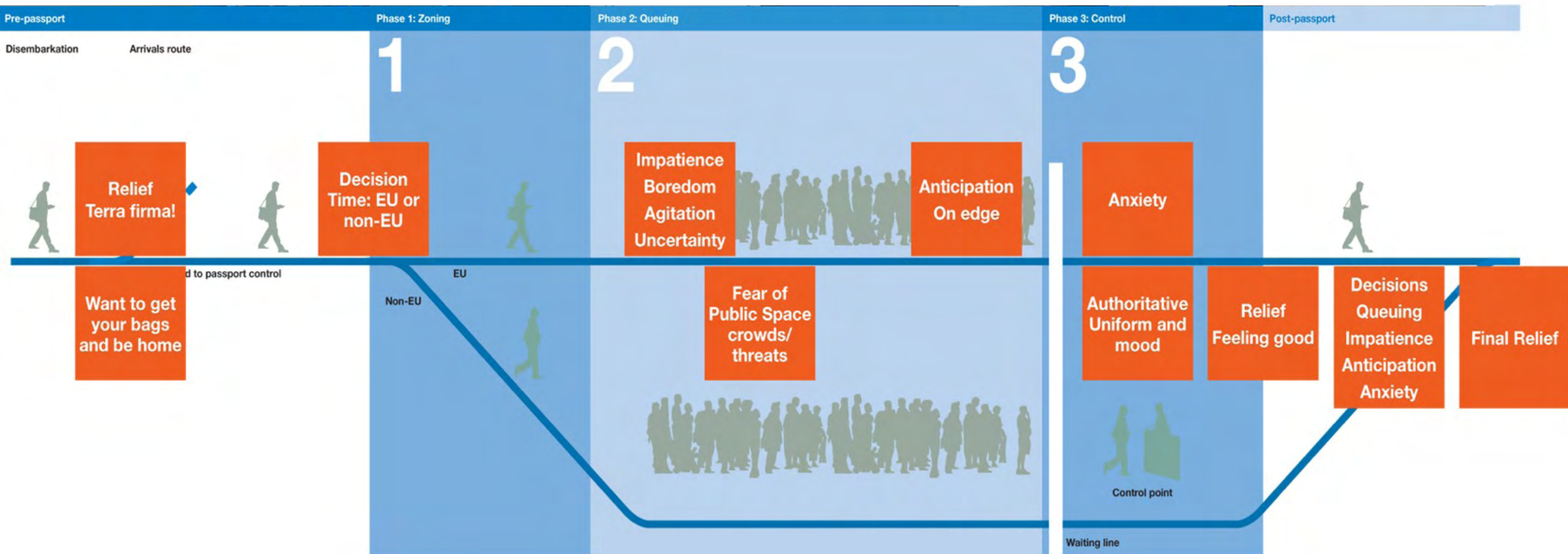


Pre-passport Phase 1: Zoning Phase 2: Queuing Phase 3: Control Post-passport

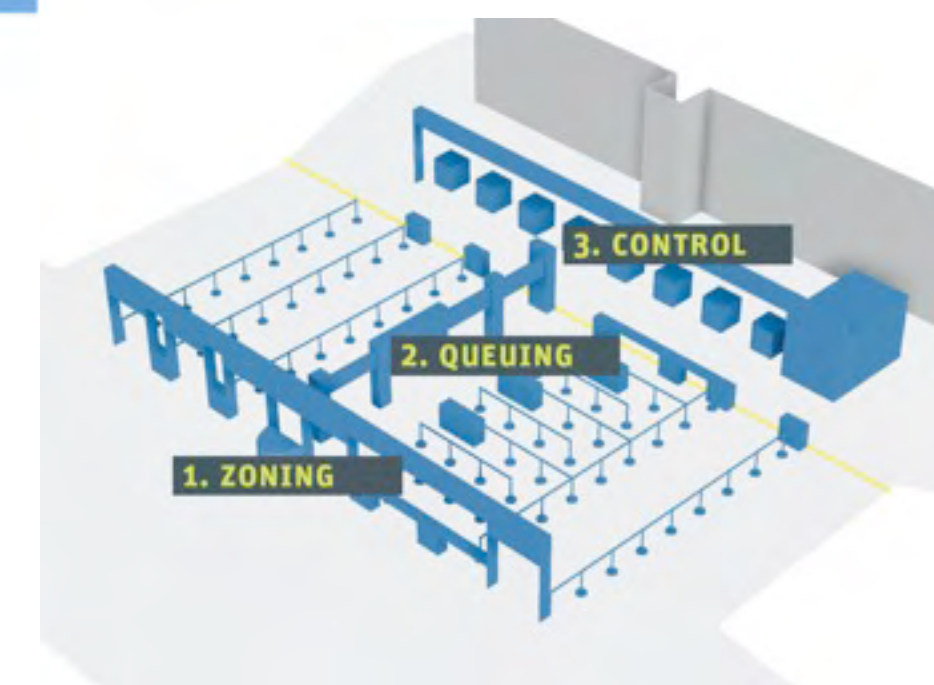


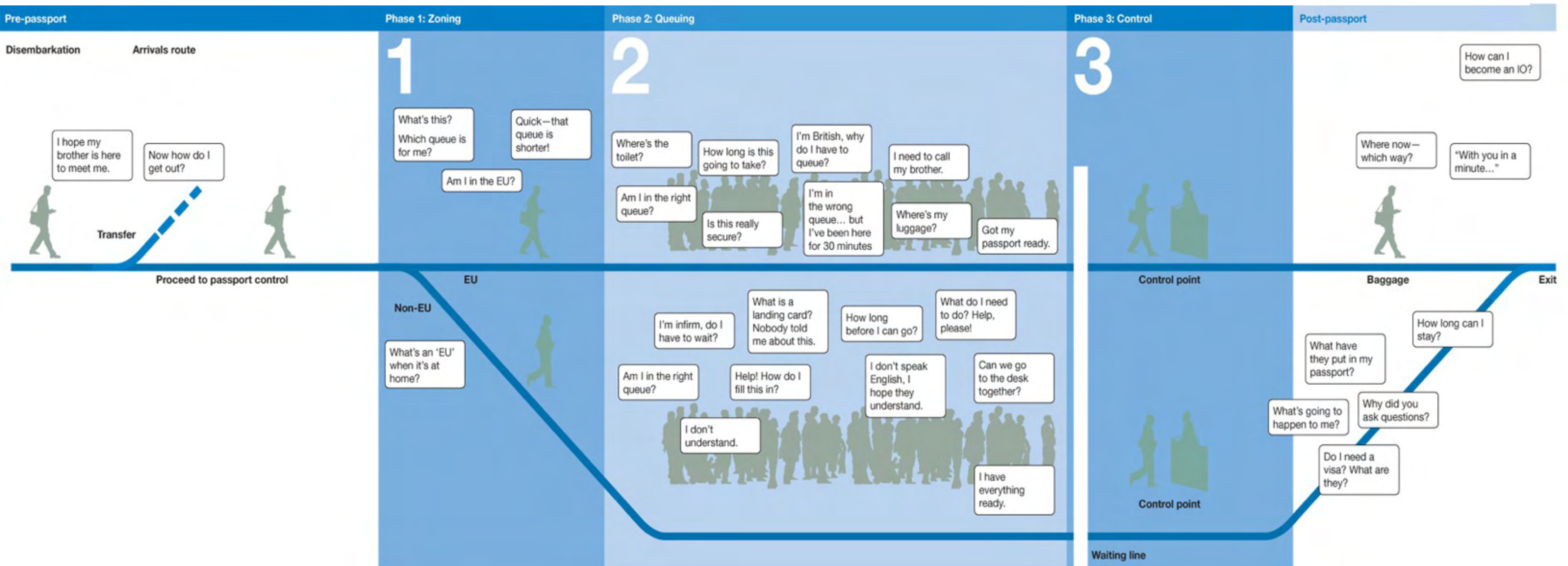
Where am I going?



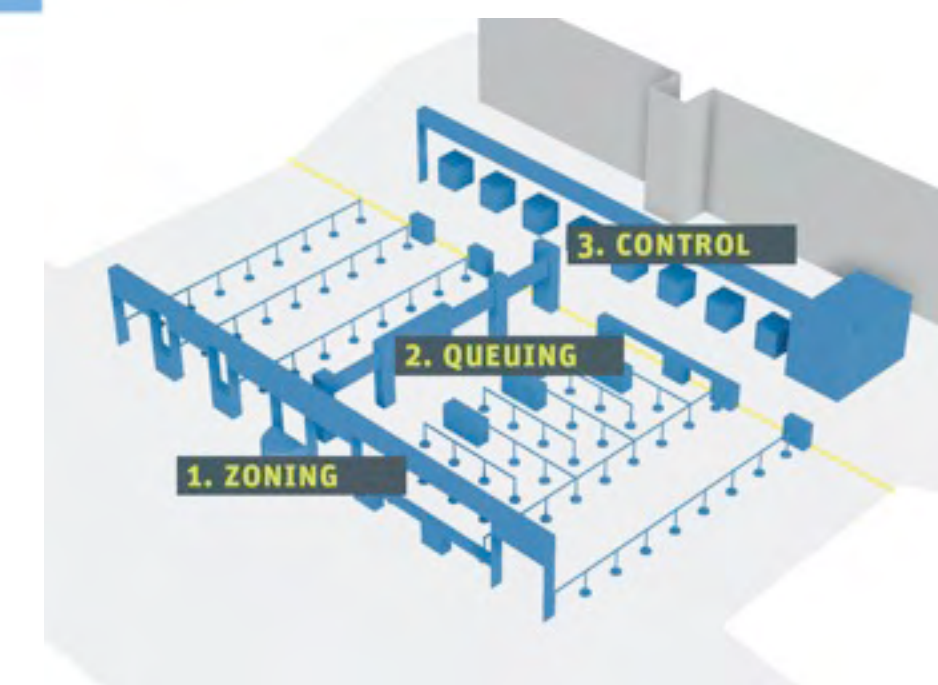


What am I thinking?





What do I need to know?



Campaign

Campaign
Welcome to the new UK Passport control service

Campaign
We are vigilant and professional.

Campaign
We take abusive behaviour seriously.

Campaign
We are bringing waiting times down. This is why you are waiting...

Campaign
Why are border controls tighter?

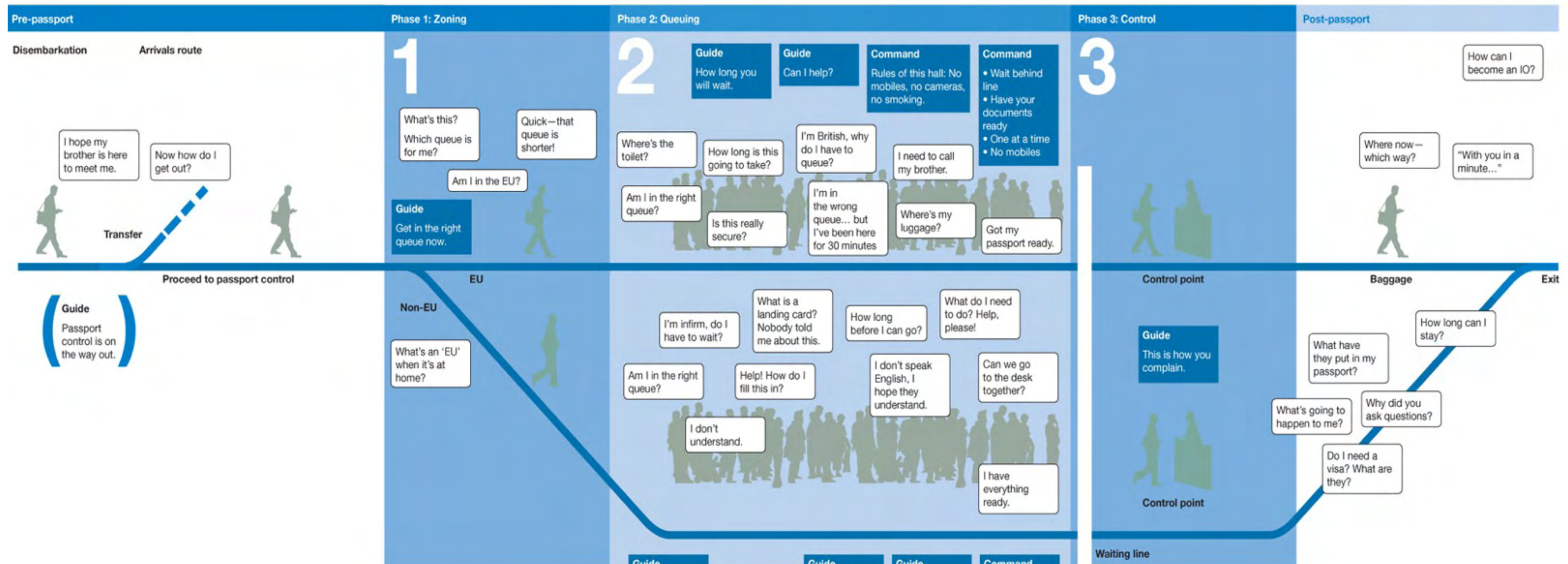
Campaign
Performance targets:

Campaign
Thank you.

Campaign
Welcome to the UK.

Campaign
This service is run by IND, part of the UK Home Office.

Command



What am I being told?

Guide

Guide
This is the queue for...

Guide
Landing card: You need one, this is what it is and how to fill it in.

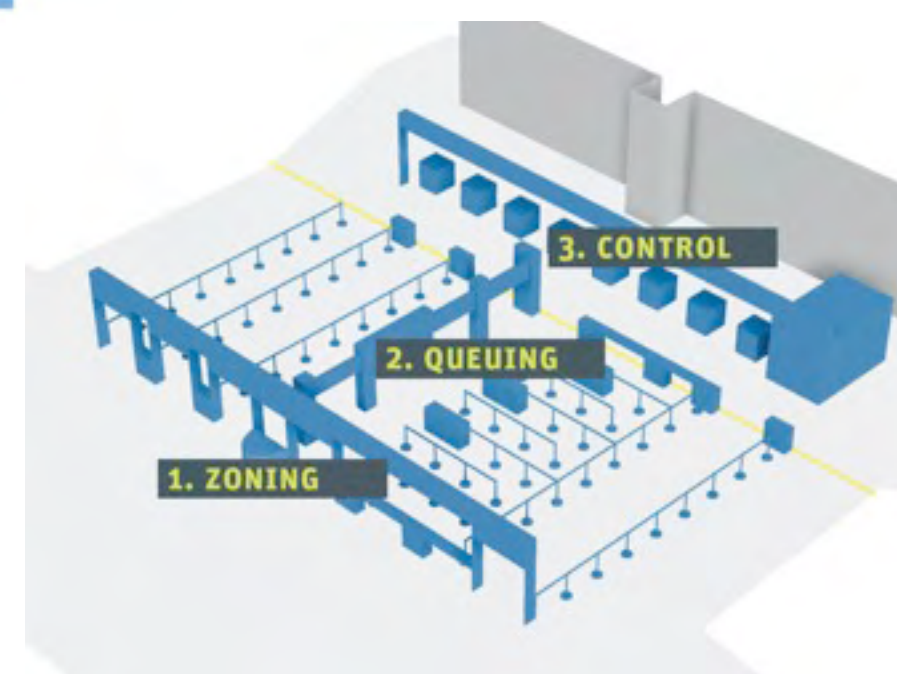
Guide
Landing card: It's available here in your language.

Guide
What you can expect of us. Wait & how we deal with you.

Guide
What we can expect of you and why.

Command
You need a valid passport and landing card (one per person).

Guide
Present valid documents, one at a time.





UK/EU Passports

Including Switzerland and the European Economic Area

UK Border

9

8

7

6

4

3

2

UK Border

UK Border

The Border & Immigration Agency works with HM Revenue & Customs and the Police to secure the border.

What happens at the UK Border

You must show your passport or relevant documents to the Immigration Officer. We will carry out checks to confirm your identity, nationality and entitlement to enter the country. These checks can take some time to complete and may cause delays during busy periods.

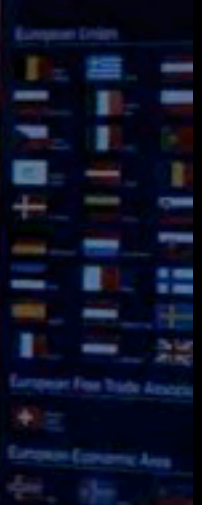
Normally we will keep you waiting no more than 20 minutes. We aim always to keep you within 45 minutes. Your understanding and cooperation in helping our borders remain secure is appreciated.

Use of mobile phones is allowed while queuing but not at desks

Expect some delay due to document checks and high volume of arrivals

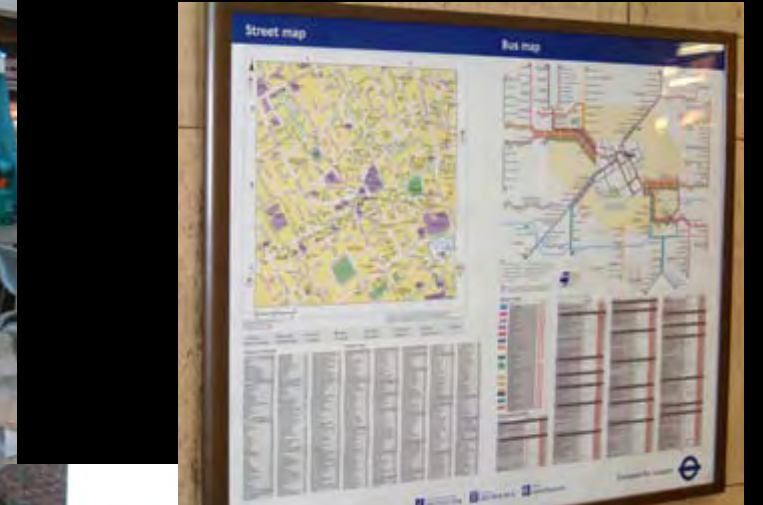
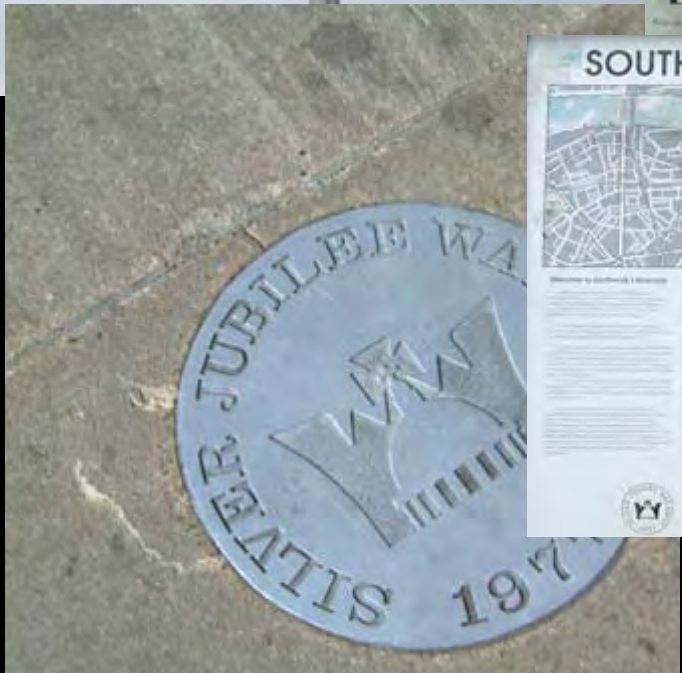
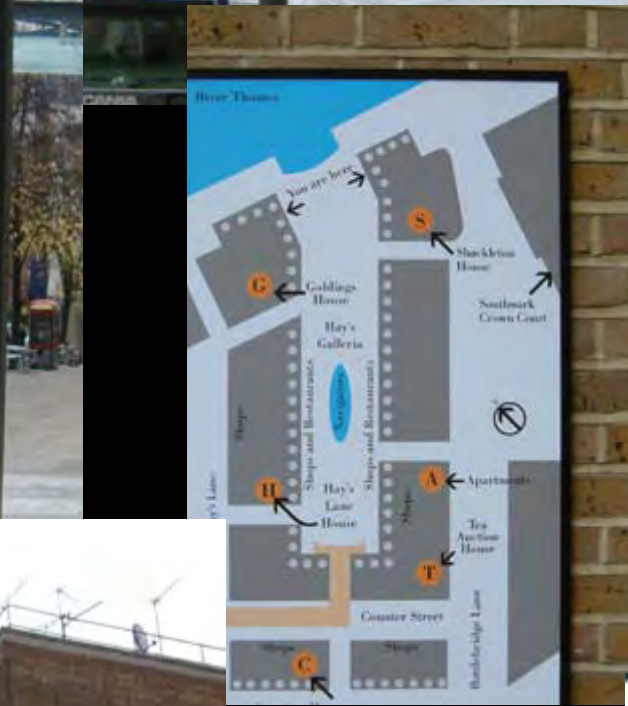
Assaults We take extremely seriously any attempt to intimidate our staff either by threats or assault

UK/EU Passport Including Switzerland and the European Economic Area



Border & Immigration Agency

Real world and virtual world





London Canal Museum 

King's Cross Thameslink  

King's Cross Station  
St. Pancras Station 

 Almeida Theatre
King's Cross

onald's

Mc

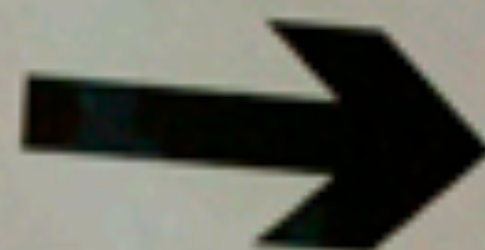


Shopping



Leicester Sq

Picadilly
Hyde Park



WASTE COLLECTION
Monday to Sunday
9.30am, 3pm & 11pm

RESIDENTIAL RECYCLING

LEON

PANTON STREET SW1

BOROUGH OF HACKNEY

MARTELLLO
STREET, E.8.

FORMERLY

TOWER ST, N.E.

SKATING

OR

CYCLING

NO

THAMES PATH
WATERLOO
TATE SHAKESPEARE'S GLOBE PIER
ROYAL FESTIVAL HALL HAYWARD GALLERY

THAMES P
LONDON BRIDGE
VINOPOLIS GOLDEN
ANCHOR PUBLIC



Way
out

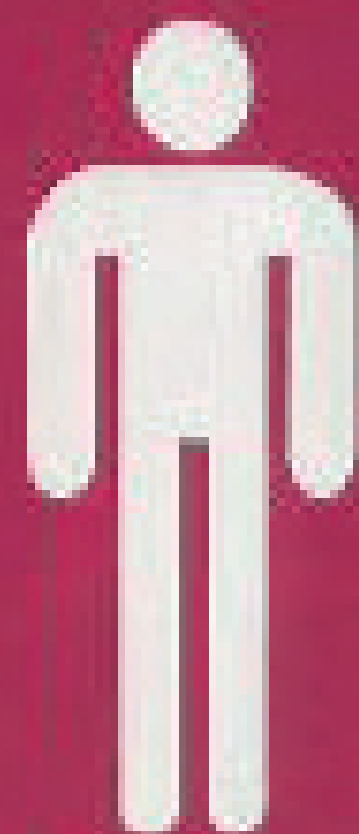


Foam/AFFF

Transport for London

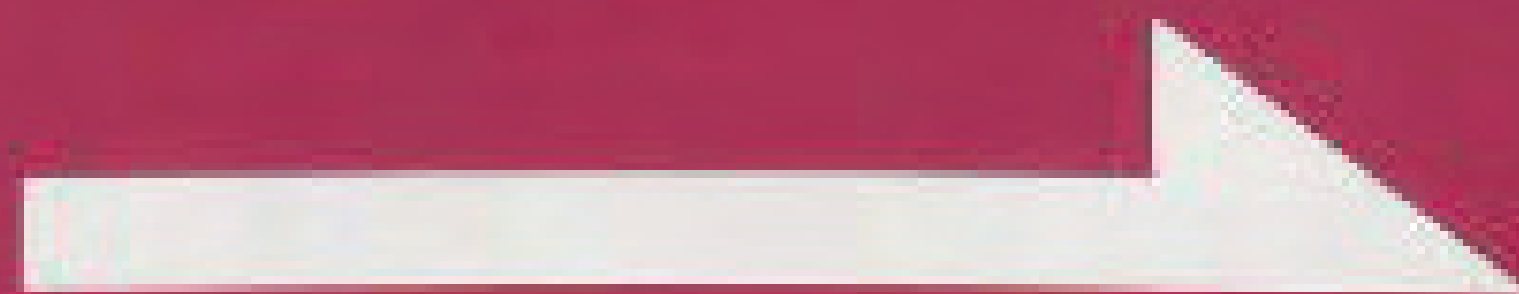






洗手間

Genitl Emen





ドアにはさまれると痛い。
さらに視線も痛い。

It's painful to get caught
between the closing doors.
Even more so are the eyes
of those looking at you.



クツ底で火は

モクモクと煙をはく

T LIOS DÚIN BHEARNA
69 LISDOONVARNA 10

CARR CHALADH
51 KILLIMER
CAR FERRY



án Ór km
ANORE 14

CORA FINNE
COROFIN 15

MONK'S PUB
ON THE PIER 200 YDS.

km GREGANS
5 CASTLE HOTEL

An Féar Sorza
TEA & GARDEN ROOMS

3/4 Km. RUSHEEN
LODGE



AILLWEE CAVE
BALLYVAUGHAN



HOLYWELL

Aran Islands
Doolin Ferries
(Shortest Sea Route)

Burren
Dolmen
West Clare
Cycleways

2 NEWTOWN CASTLE
km & TRAIL



Geneve
Lausanne
Z.I. Ouest

Boudry
1000 m

Geneve
Gd-Saconnex
Lausanne
Ferney
Fret-Cargo

Champagne
800 m

Gd-Saconnex
Ferney
Palexpo Arena
Fret-Cargo

Choindex 650 m

Geneve-
Aéroport
900 m

Viamala



Maida Vale

Paddington

Edgware Road

Baker Street

Great Portland Street

Euston

Angel

Paddington

Edgware Road

Marylebone

Regent's Park

Warren Street

Euston Square

Farringdon

Old Street
(no weekend service)

Liverpool Street

Bayswater

Holland Park

Notting Hill Gate

Lancaster Gate

Bond Street

Oxford Circus

Goodge Street

Holborn

Russell Square

Barbican

Moorgate
(no weekend service)

St. Paul's Bank

Aldgate

Queensway

Marble Arch

Oxford Circus

Tottenham Court Road

Covent Garden
Leicester Square 340m

Cannon Street

High Street Kensington

Hyde Park Corner

Green Park

Piccadilly Circus

Leicester Square

Mansion House

Monument

Tower Hill
Fenchurch Street 150m

Knightsbridge

Gloucester Road

Sloane Square

St. James's Park

Charing Cross

Blackfriars

Temple

West London

Earl's Court

South Kensington

Victoria

Westminster

Embankment
Charing Cross 100m

London Bridge

Bermondsey

Fulham Broadway

Waterloo
International rail services now depart from King's Cross St. Pancras

East London line is closed for major line extension



Covent Garden

Leicester Square

Piccadilly Circus

Mansion House

James's Park

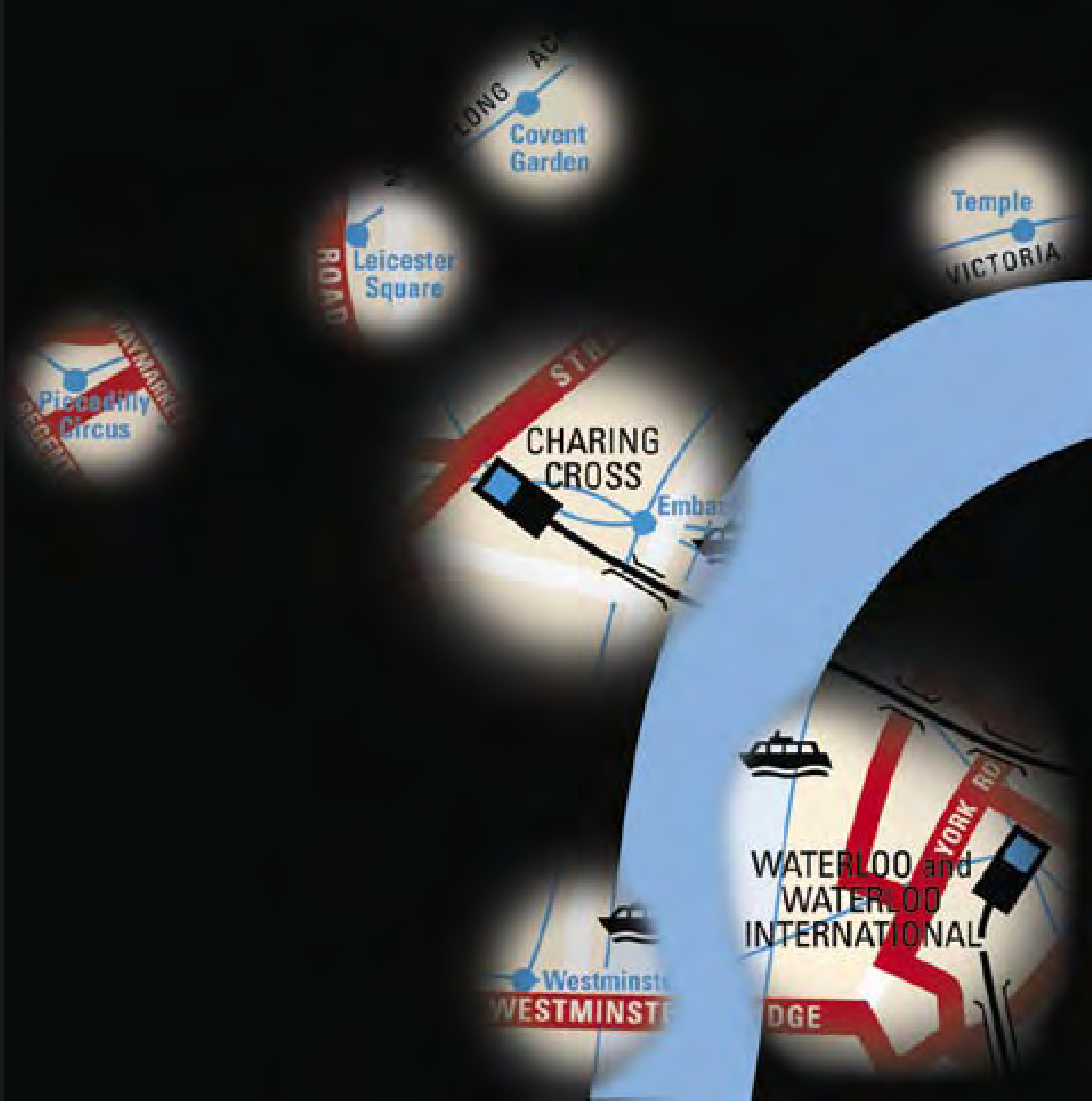
Temple VICTORIA

CHARING CROSS

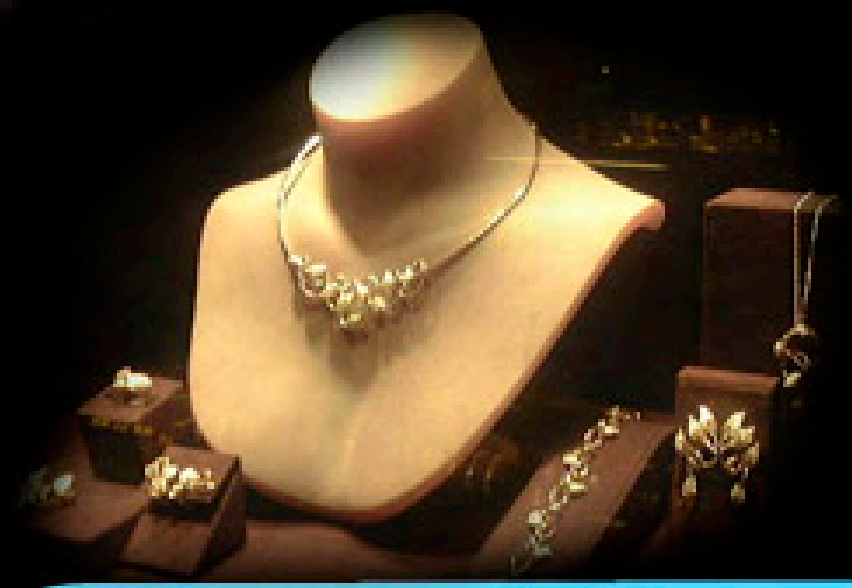
WESTMINSTER

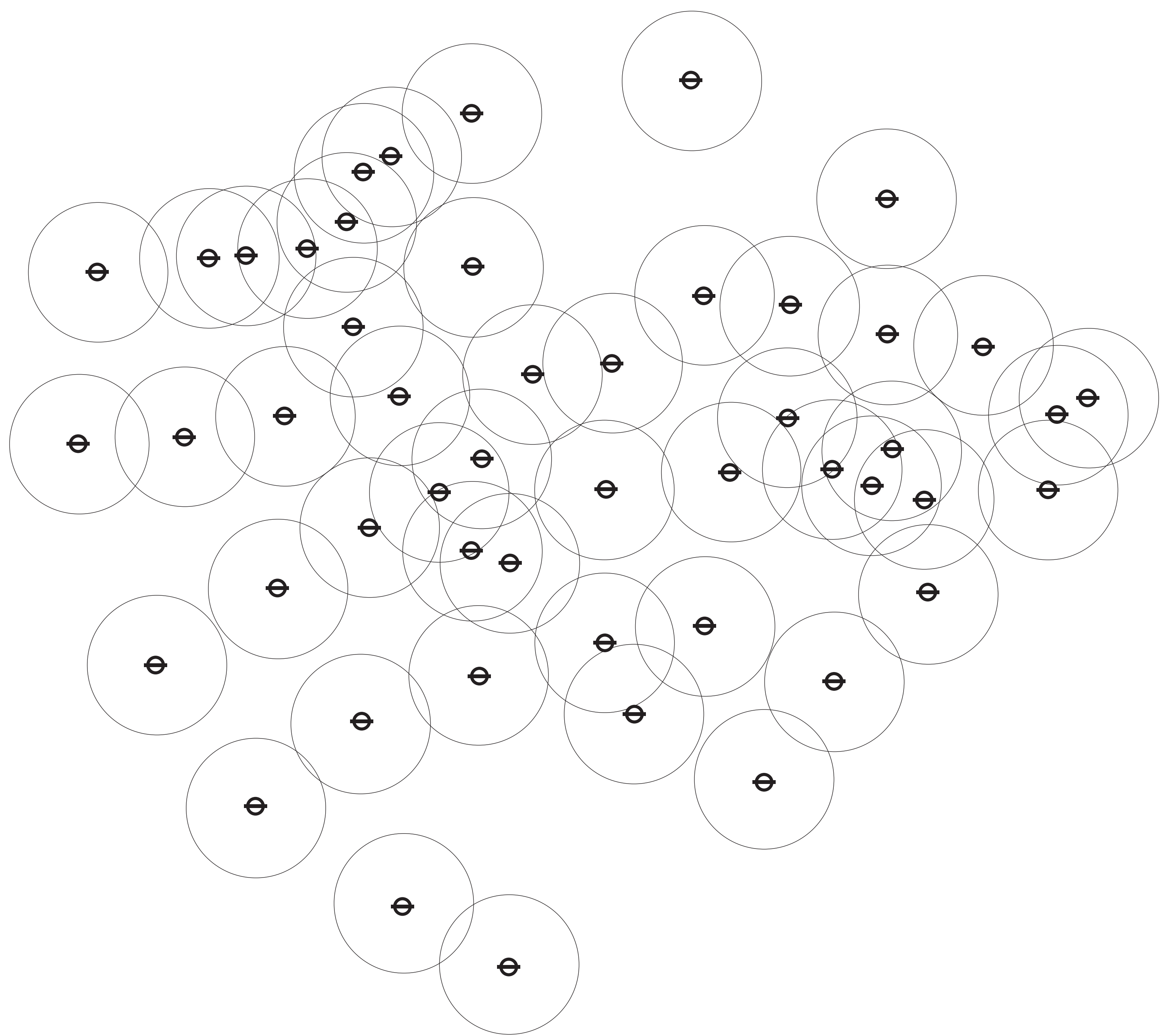
Embankment
Charing Cross 100m

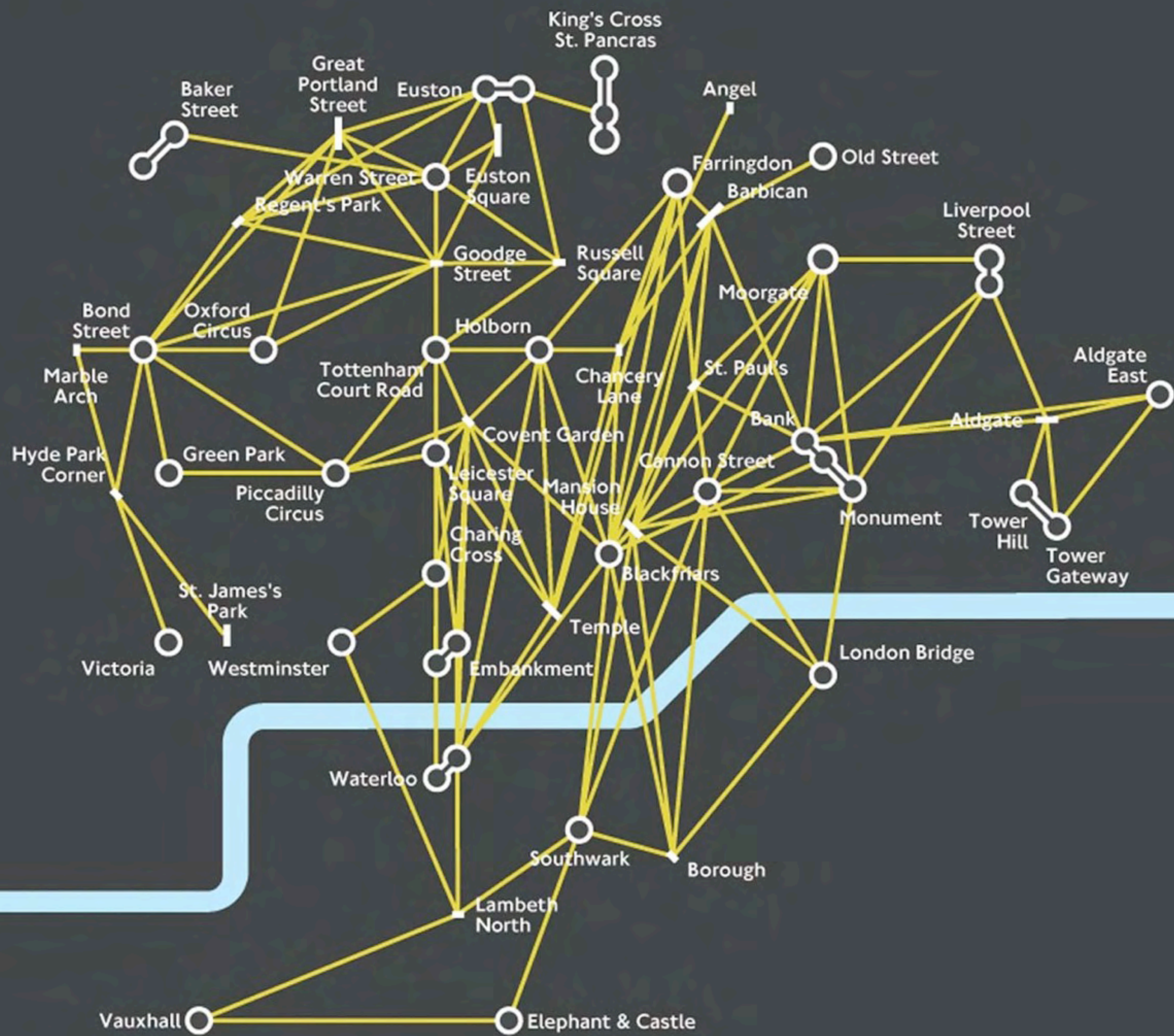










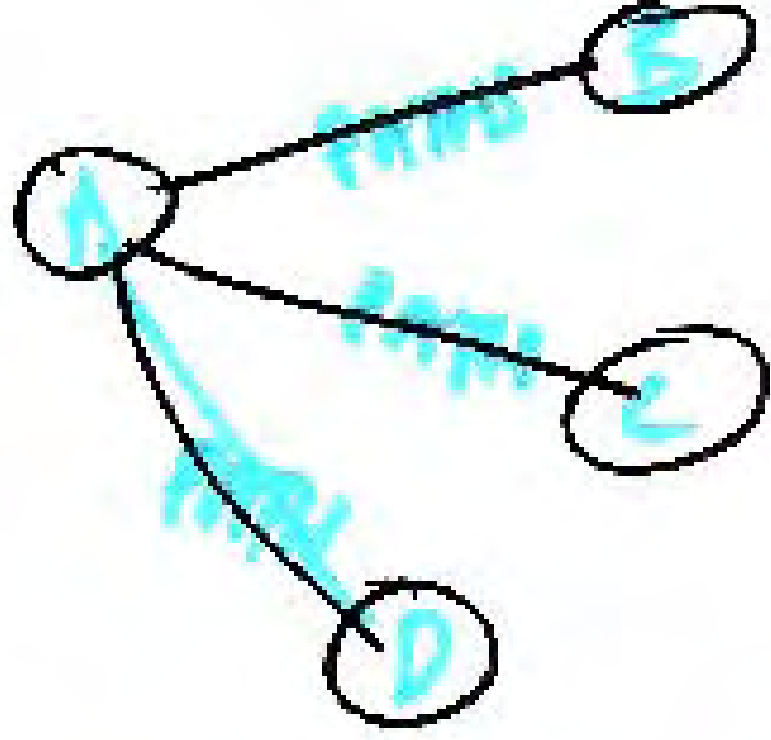


1



beginner

2



intermediate

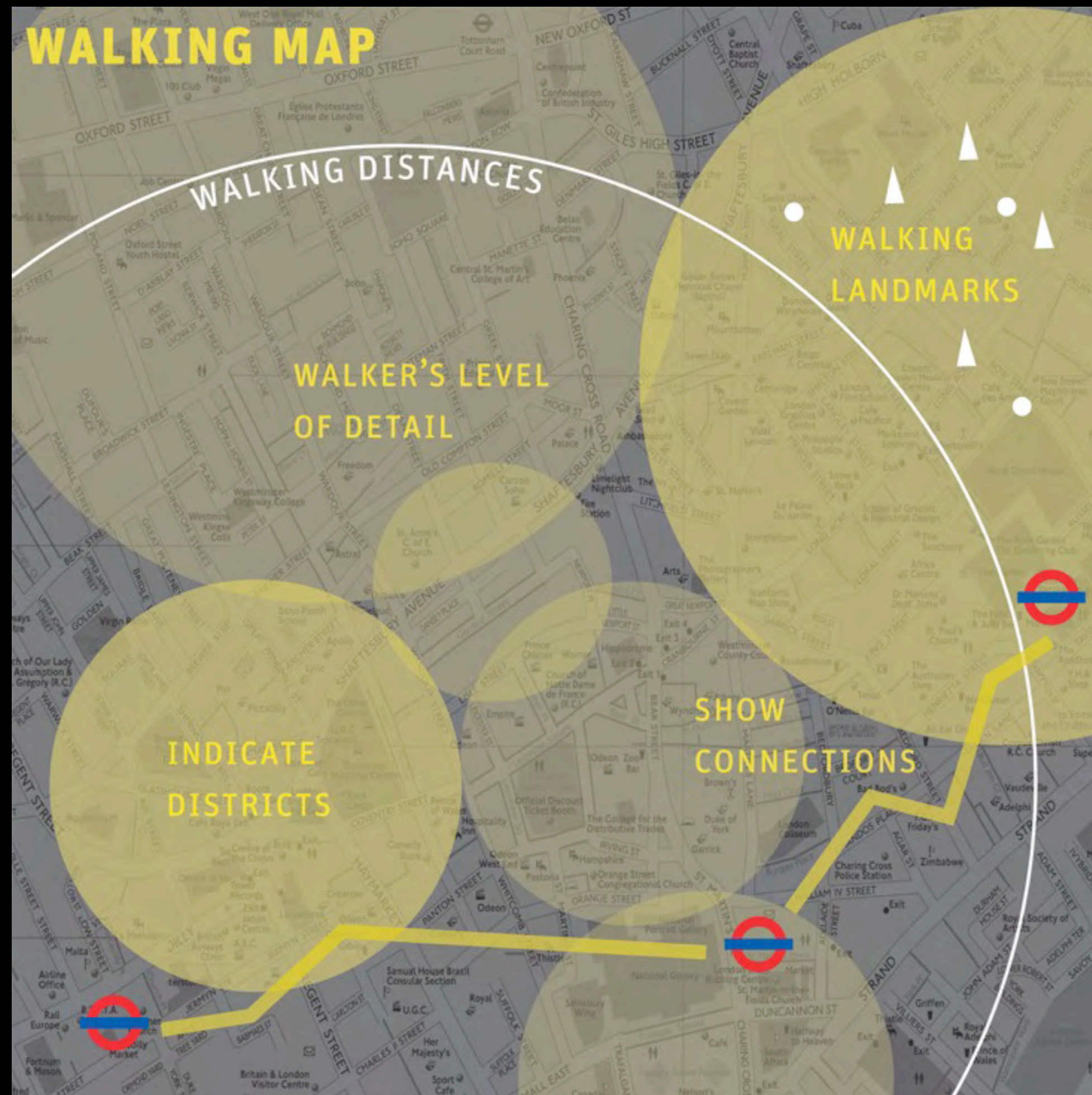
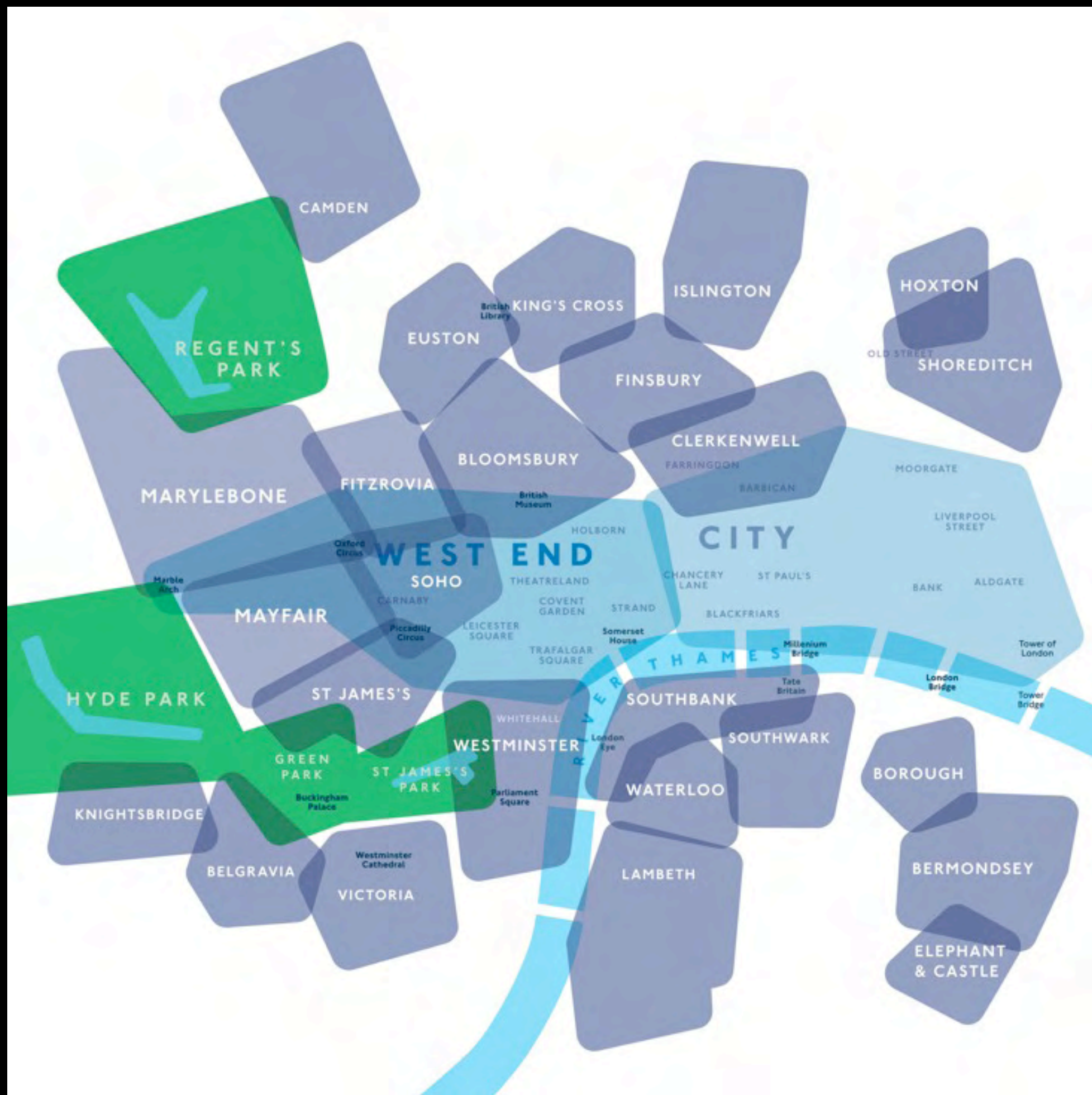
3



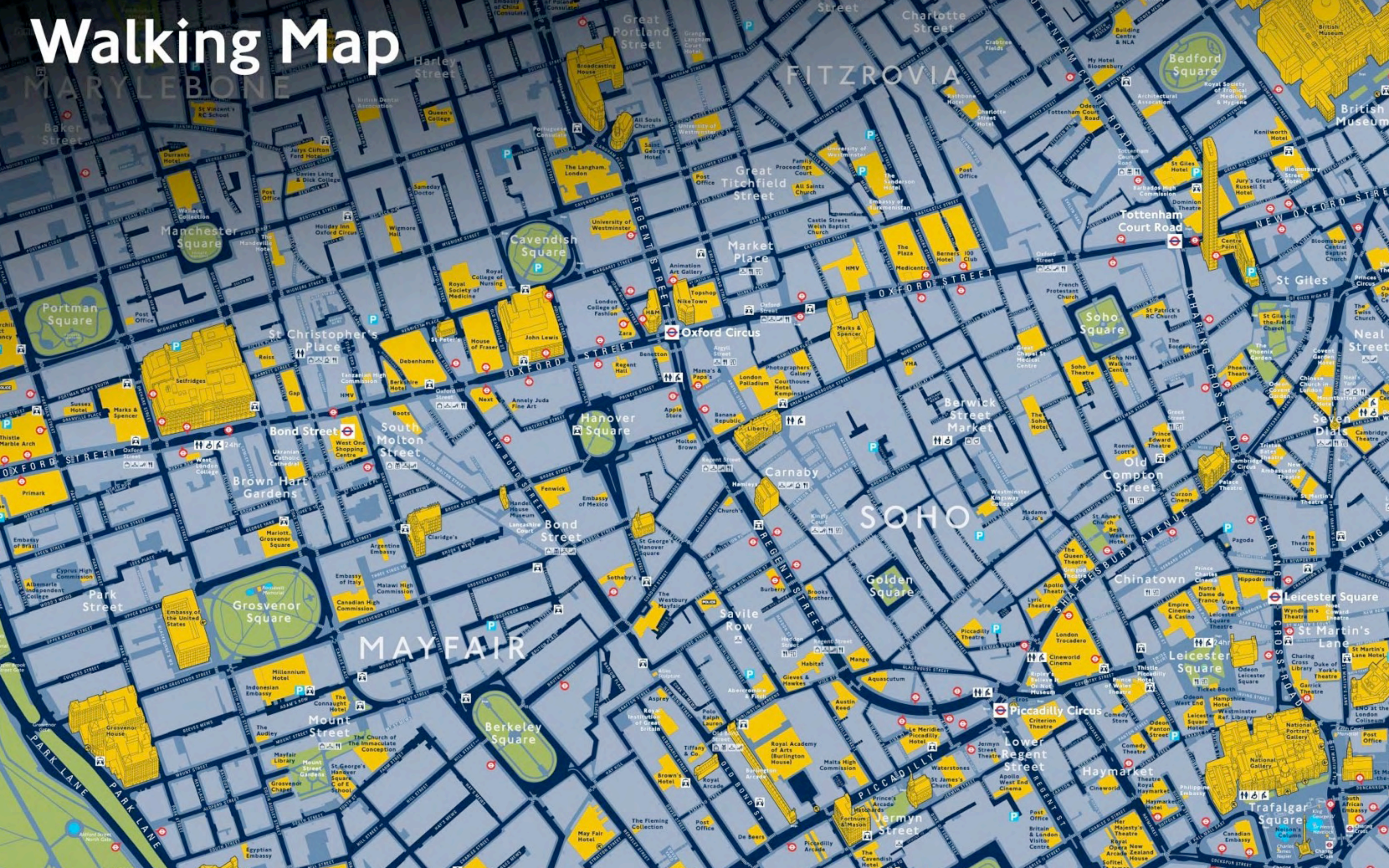
expert

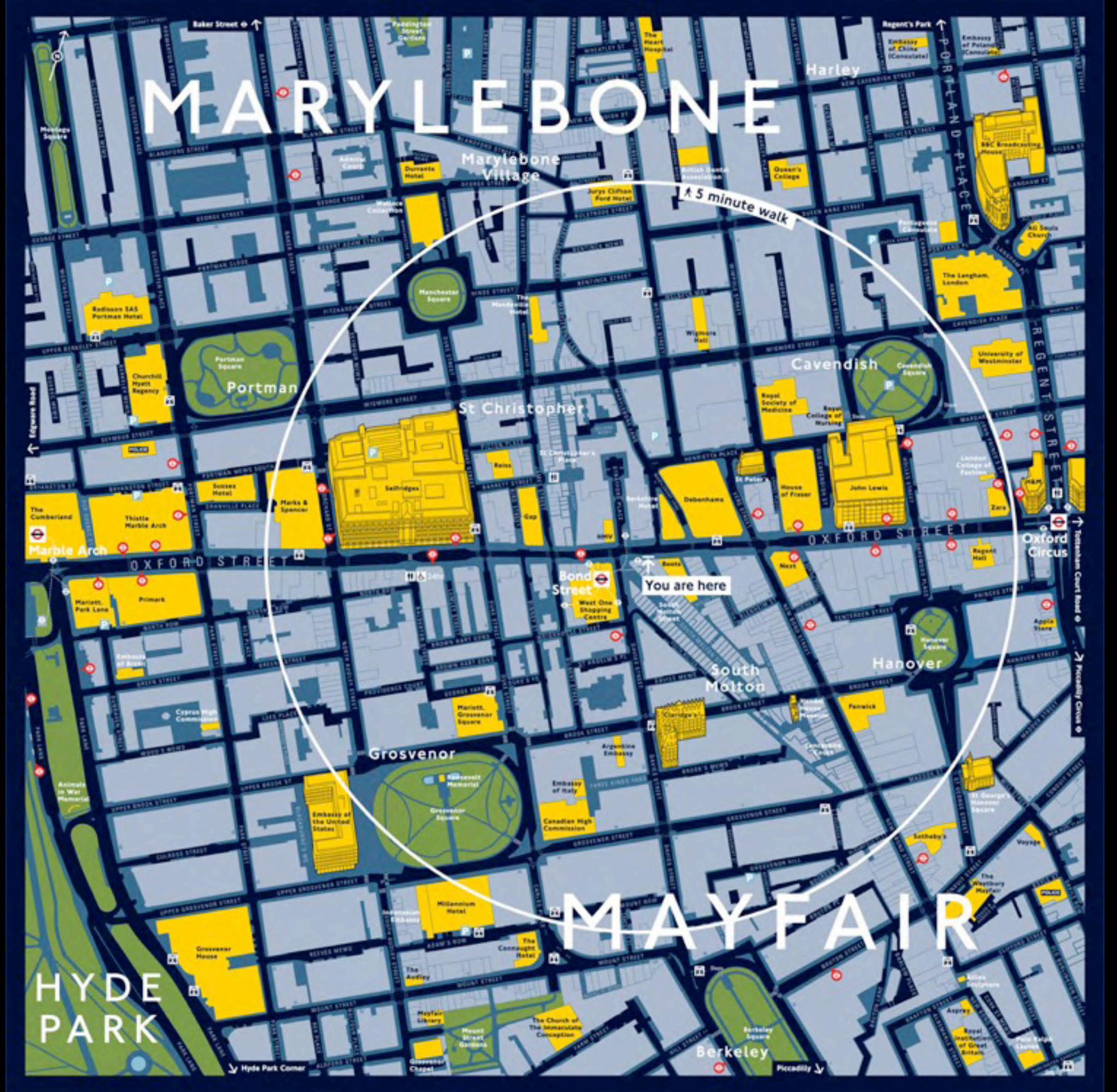
"PATH INTEGRATION"
- mental map





Walking Map





Monolith



WEST END
Oxford Street

← **HYDE PARK**
PADDINGTON
Grosvenor
Marble Arch

SOMO →
FITZROVIA
Bond Street
Oxford Circus

Walking Time Table

Paddington	12 min
Covent Garden	15 min
Leicester Square	17 min
King's Cross St Pancras	20 min
Covent Garden	21 min
Hyde Park	23 min
Portico Street	24 min
Summer's Court	25 min
Summer's Court West	26 min
Empire Theatre	27 min
Smith Museum	28 min
Trinity Square	29 min
Smith Library	30 min
London Eye	31 min

HYDE PARK

MAP OF LONDON
City of Westminster
Transport for London





WEST END
Oxford Street

FITZROVIA
SOHO
South Molton
Bond Street ●
Oxford Circus ●

MARYLEBONE
St Christopher
Marylebone Village

MAYFAIR →
Grosvenor




City of Westminster
Transport for London

Minilith



London travel information

020
7222
1234

Listen to London
To hear about where you are call:

0870
240
6094

Location 228



Local services information
Rubbish collected,
street cleaning,
noise complaints,
street lighting,
recycling

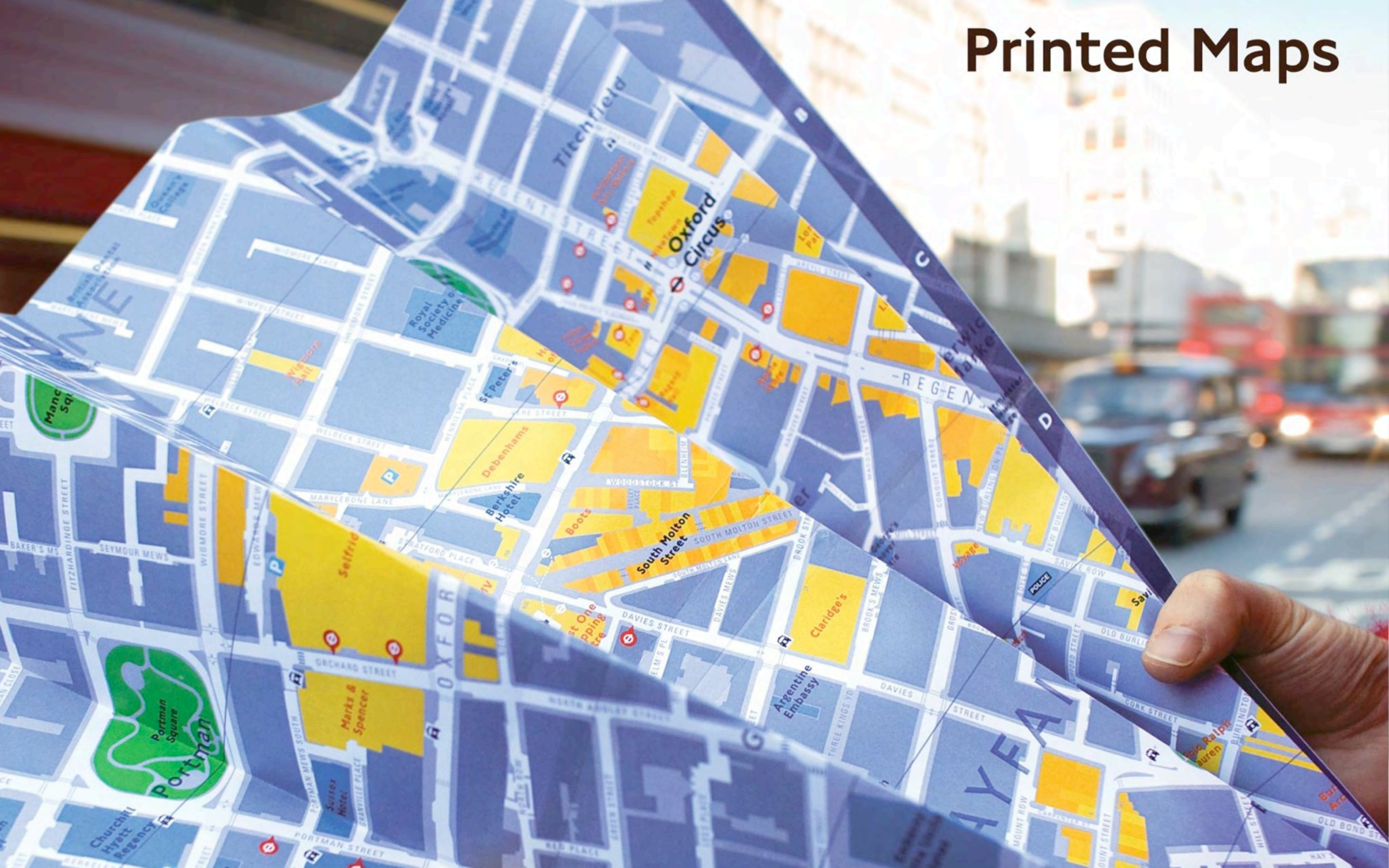
020
7641
2000



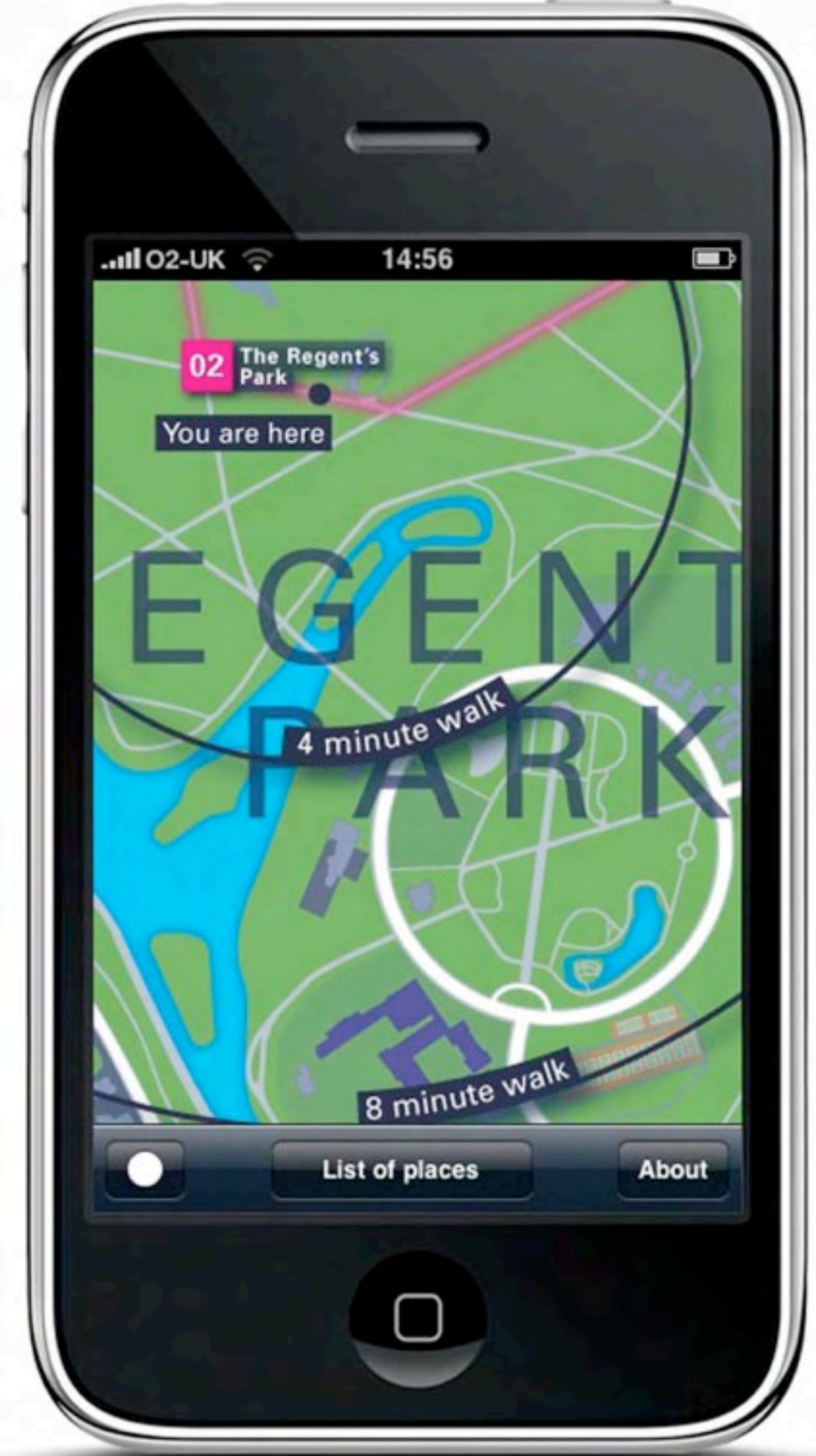
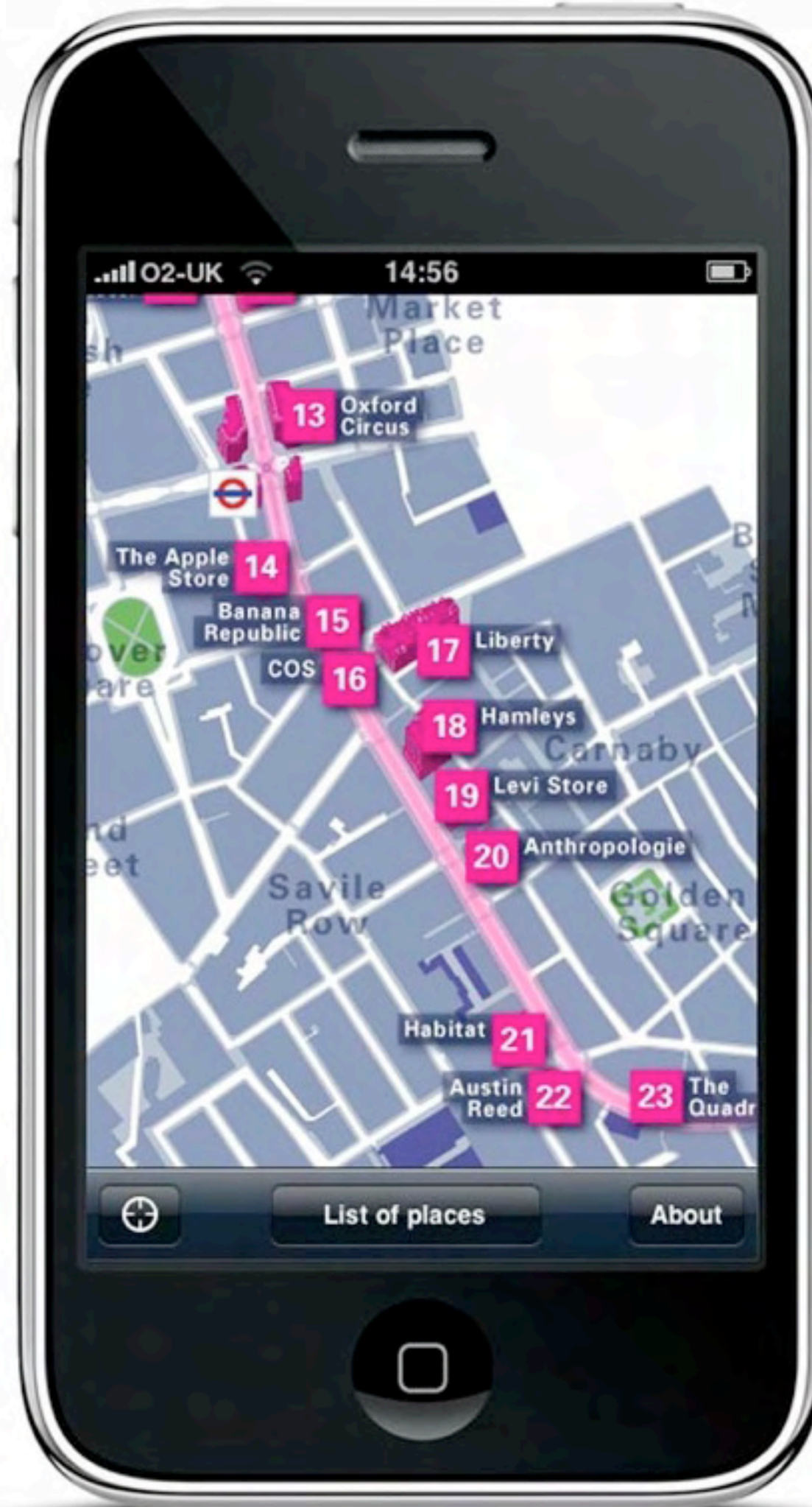
Feedback
legiblelondon.info



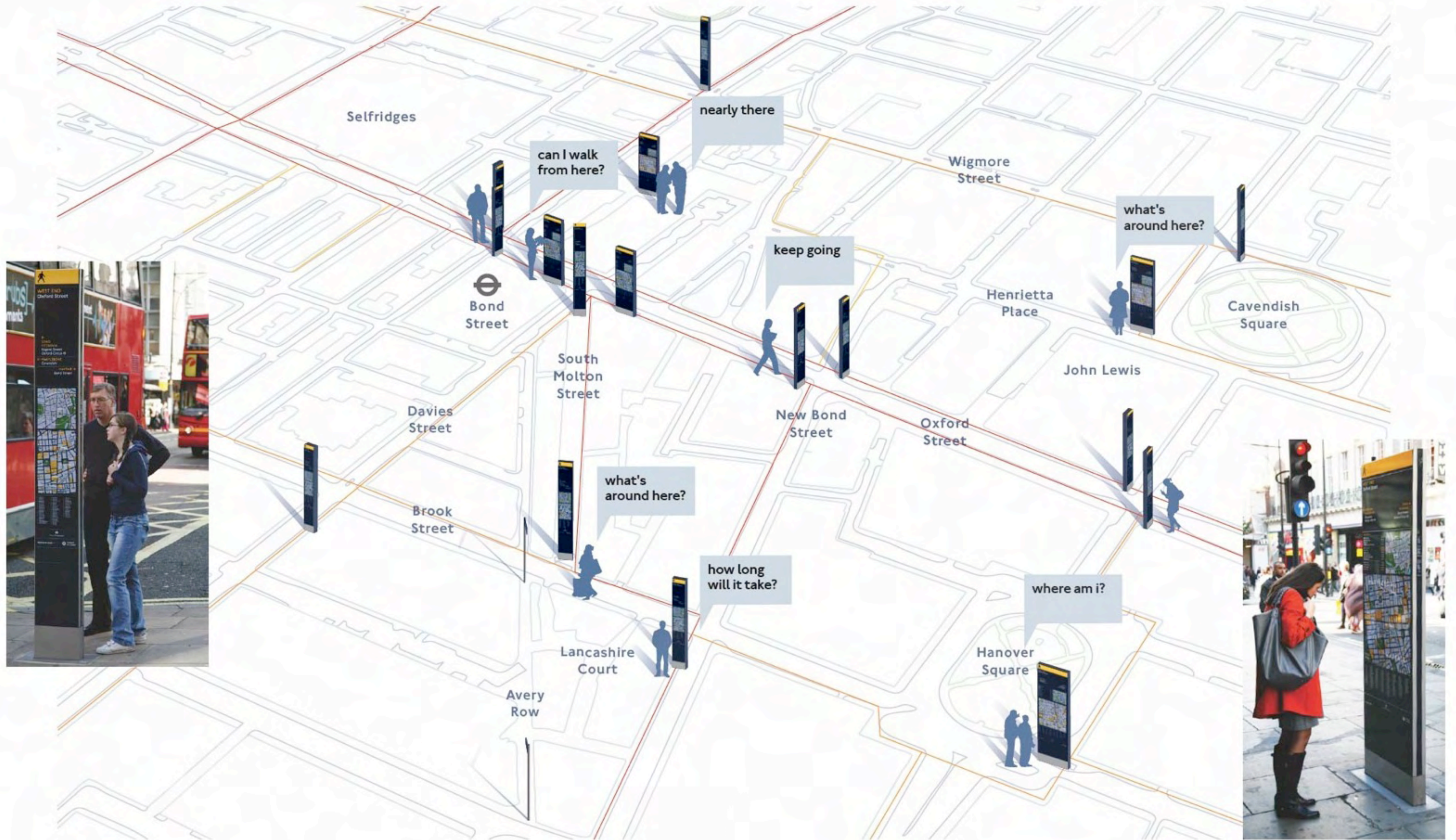
Printed Maps



Mobile



Prototype





CYCLE HIRE

Clerkenwell
Berry Street

↑ ST. LUKE'S
Old Street

BARBICAN →
⊕ Barbican



P
Cycle
hire
only

BARCLAYS

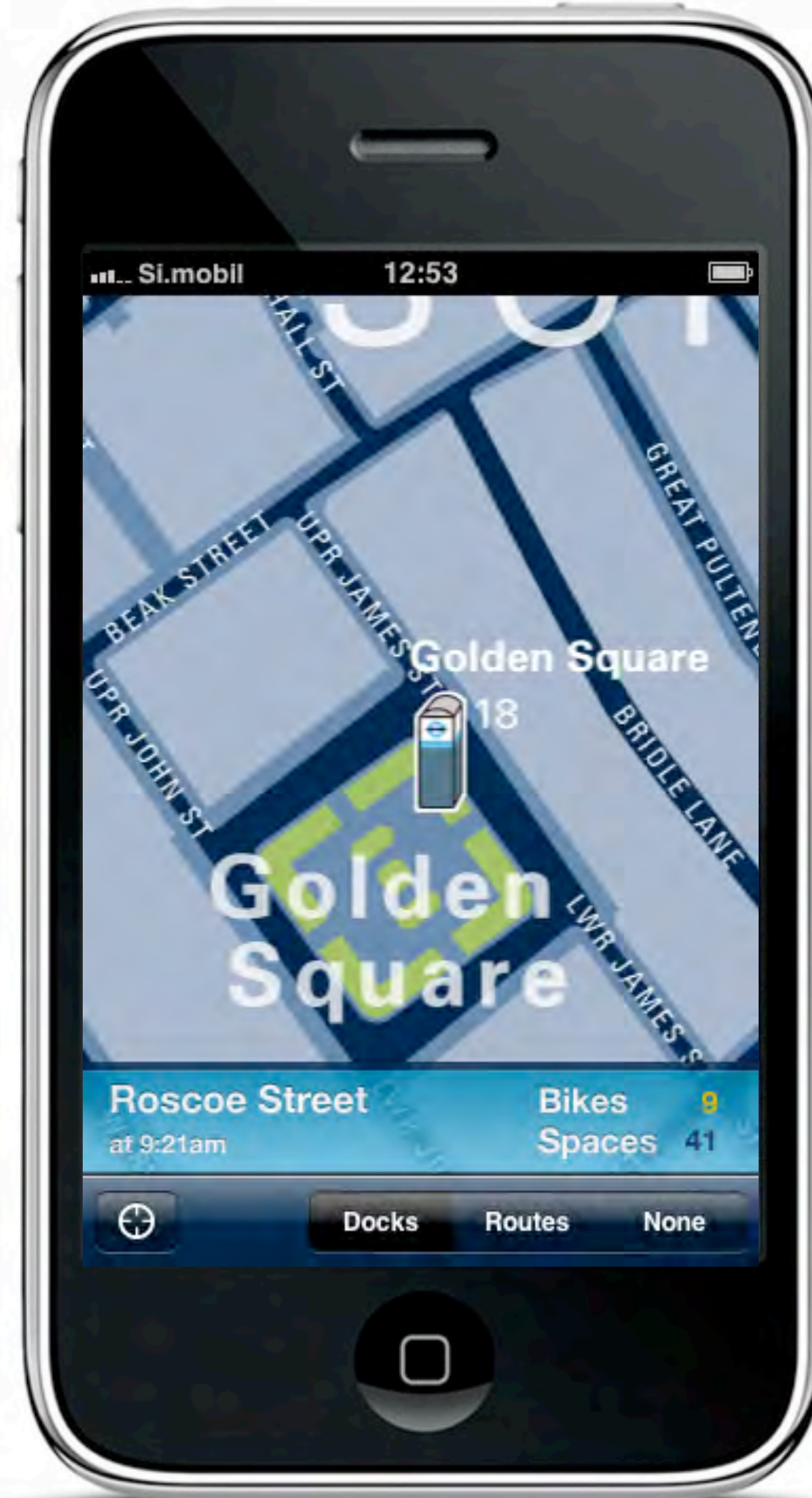
15338

BARCLAYS

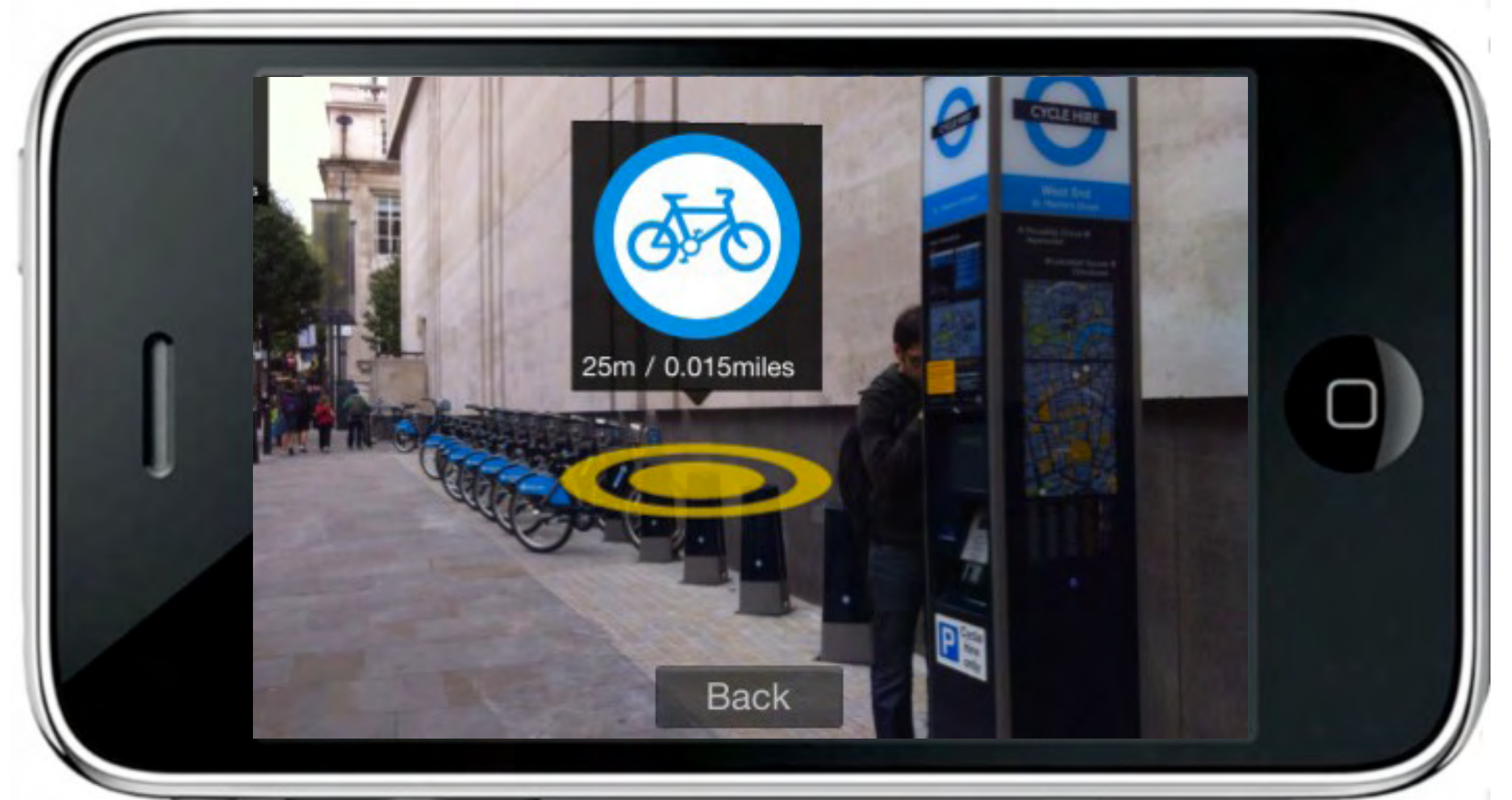
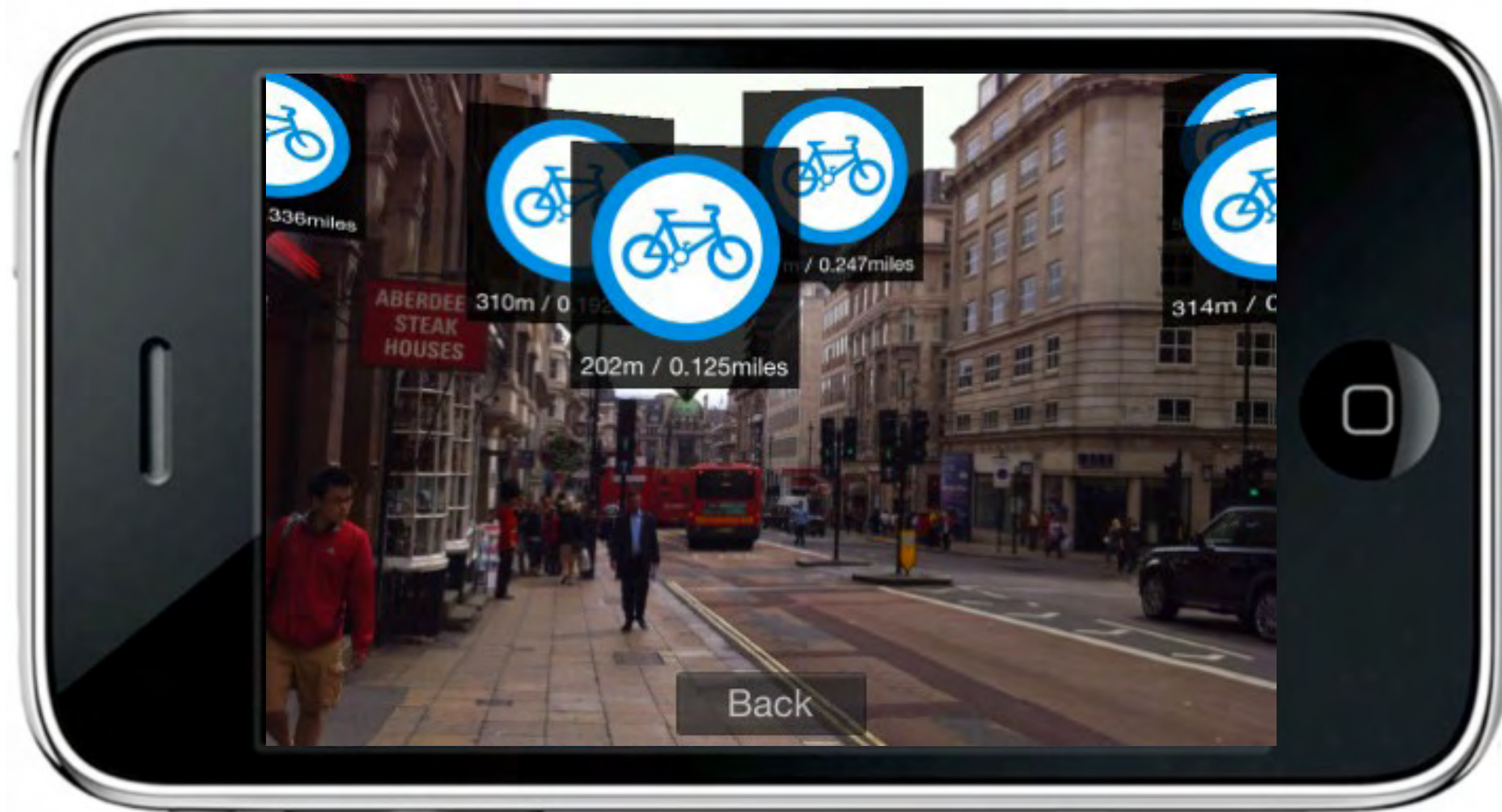
17181

Charterhouse
Square

Mobile



Mobile



Why not Google For use in the street



Google Maps

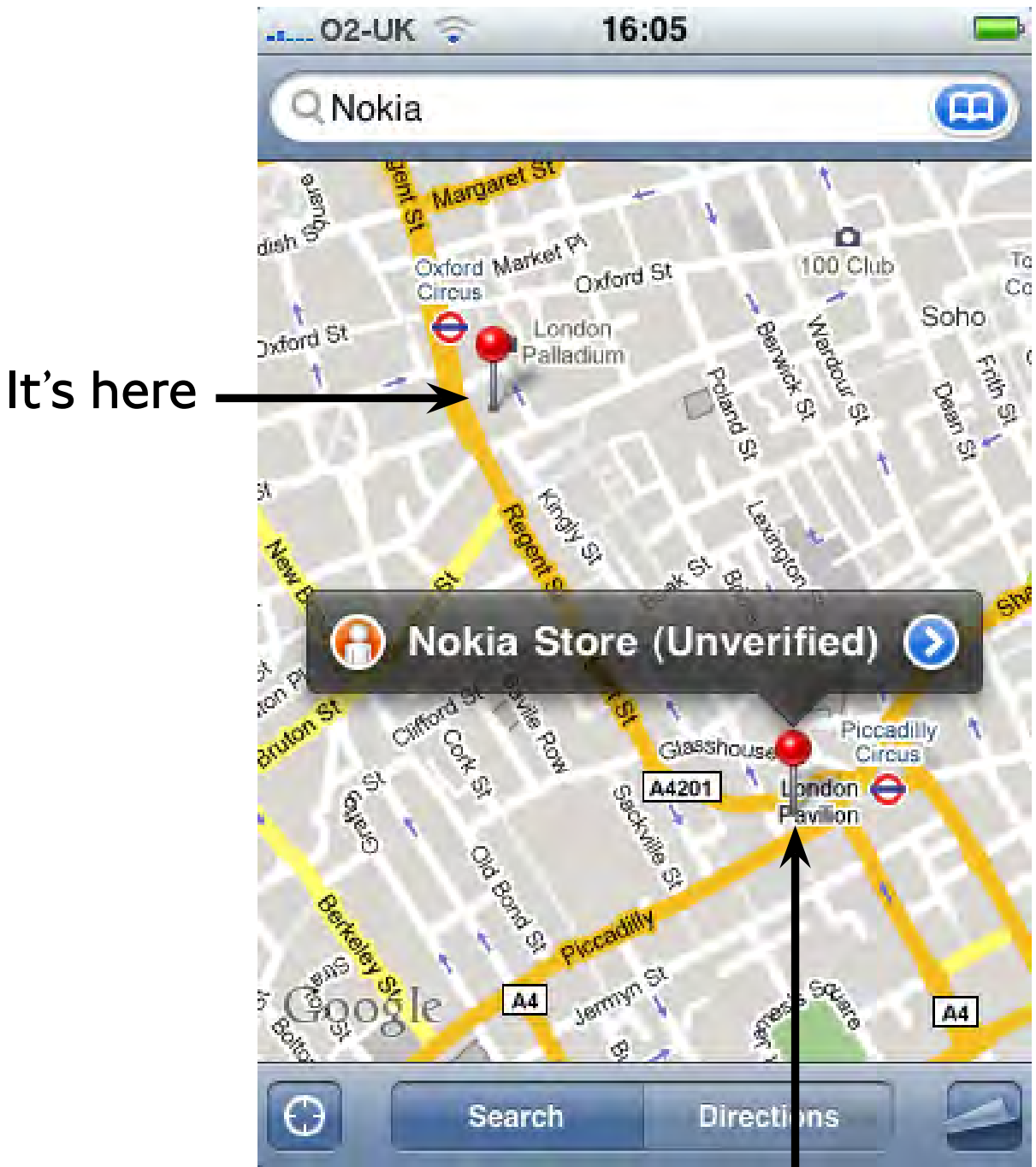


Excellent coverage of the world



A road map, not a walking map

Google is inaccurate for walking.



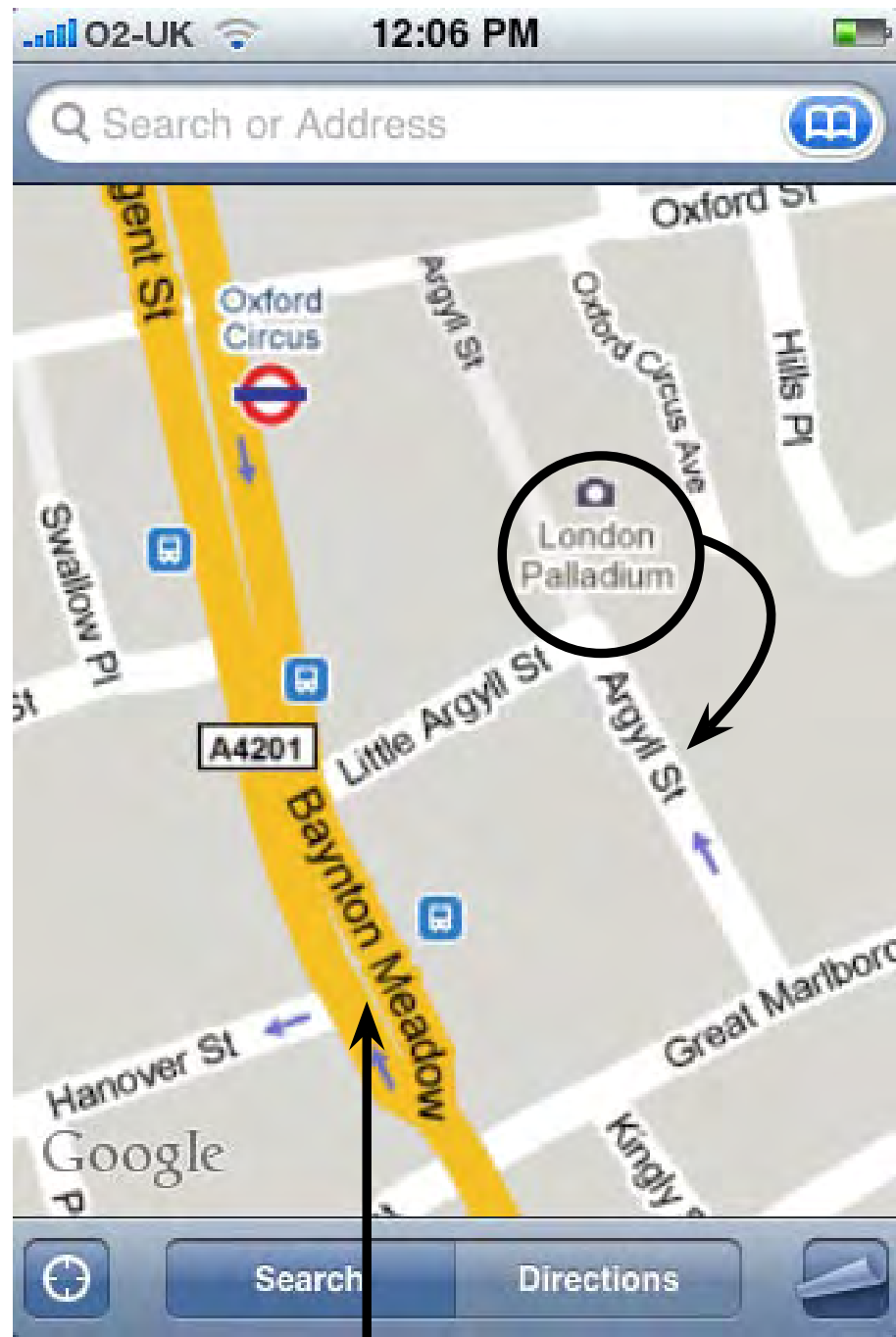
It's here

Incorrect location given as first result



Incorrect location on map

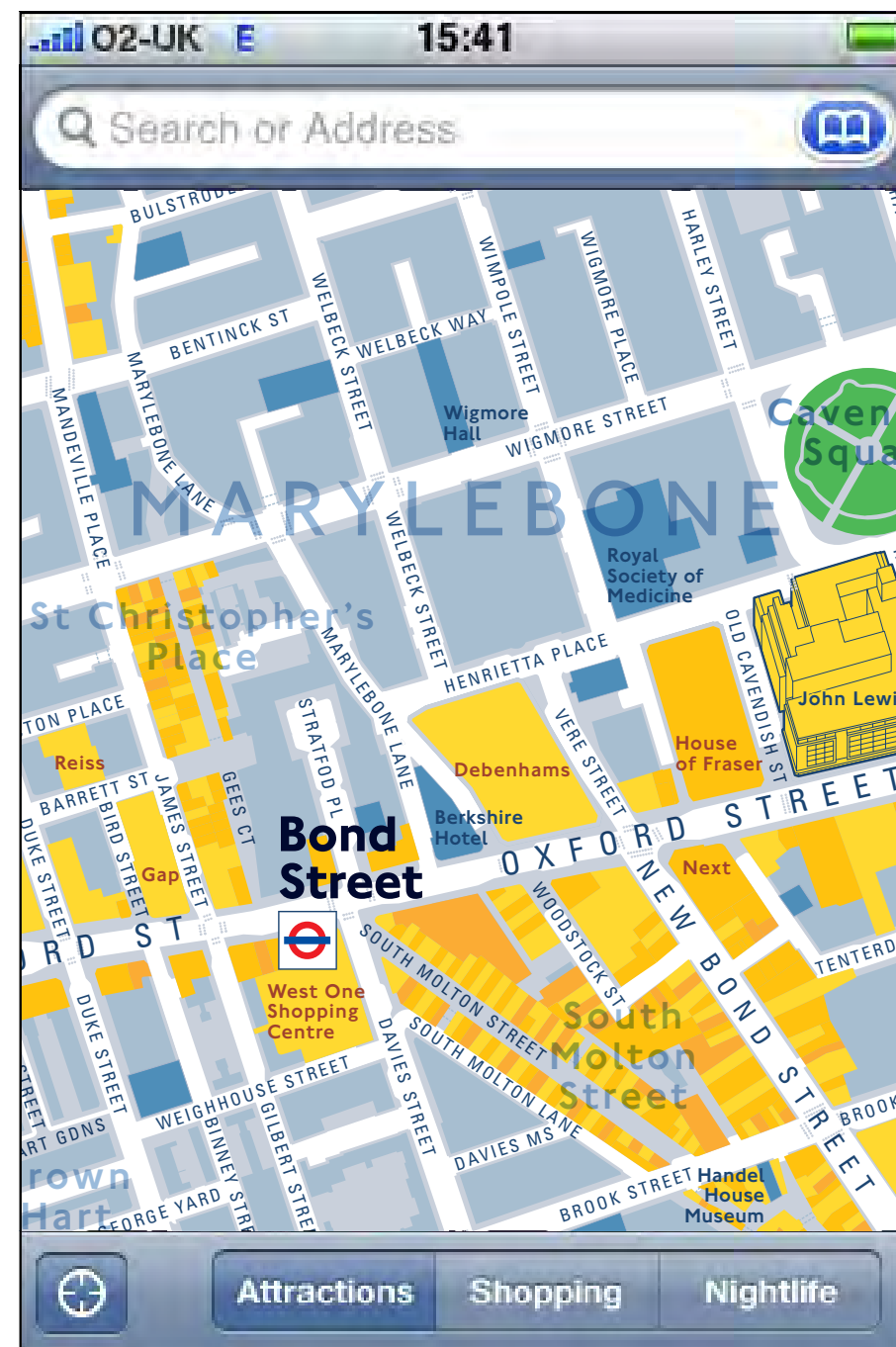
It's here



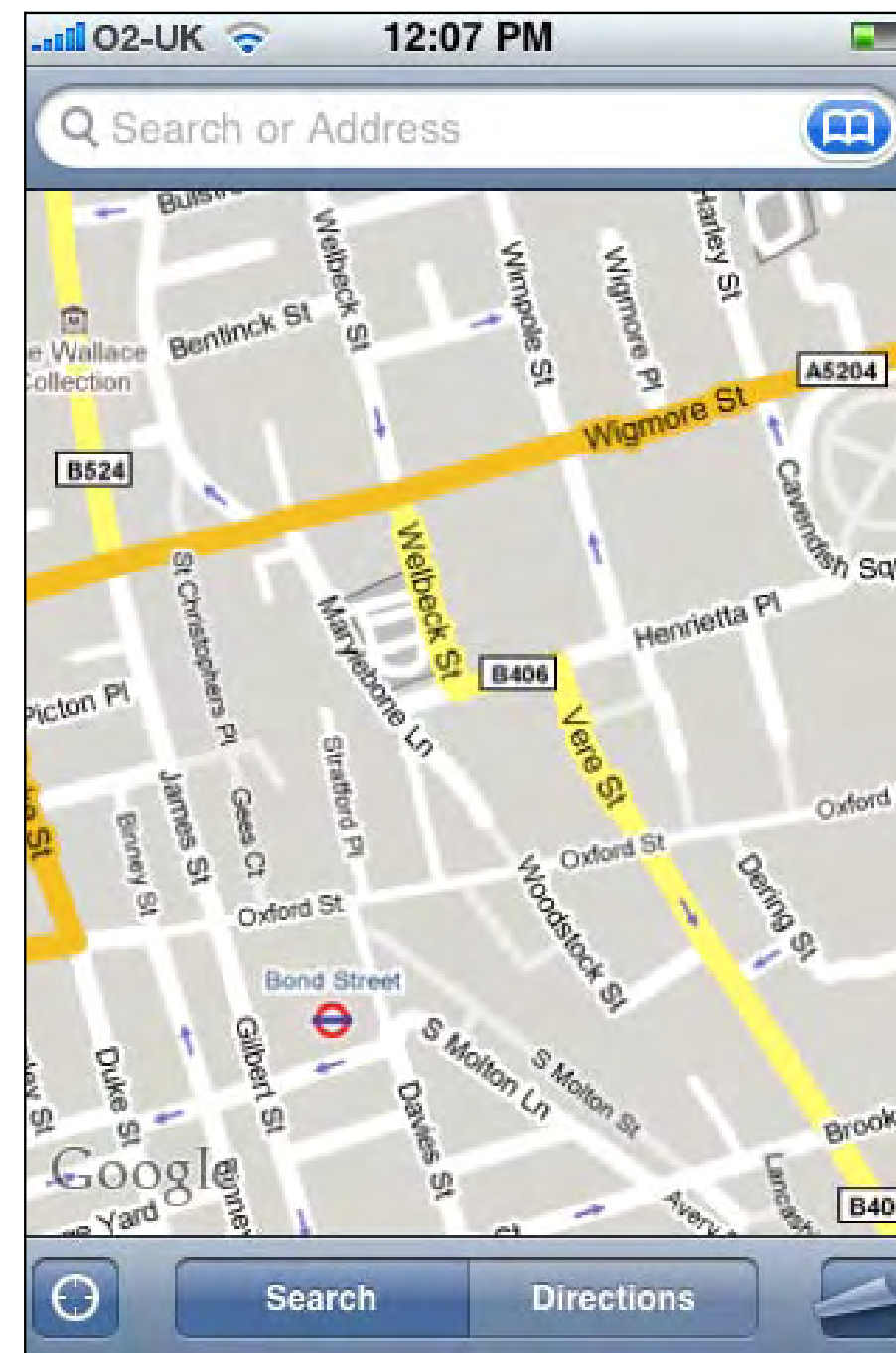
Doesn't exist as a street!

It's here

Legible London is designed specifically for walking.



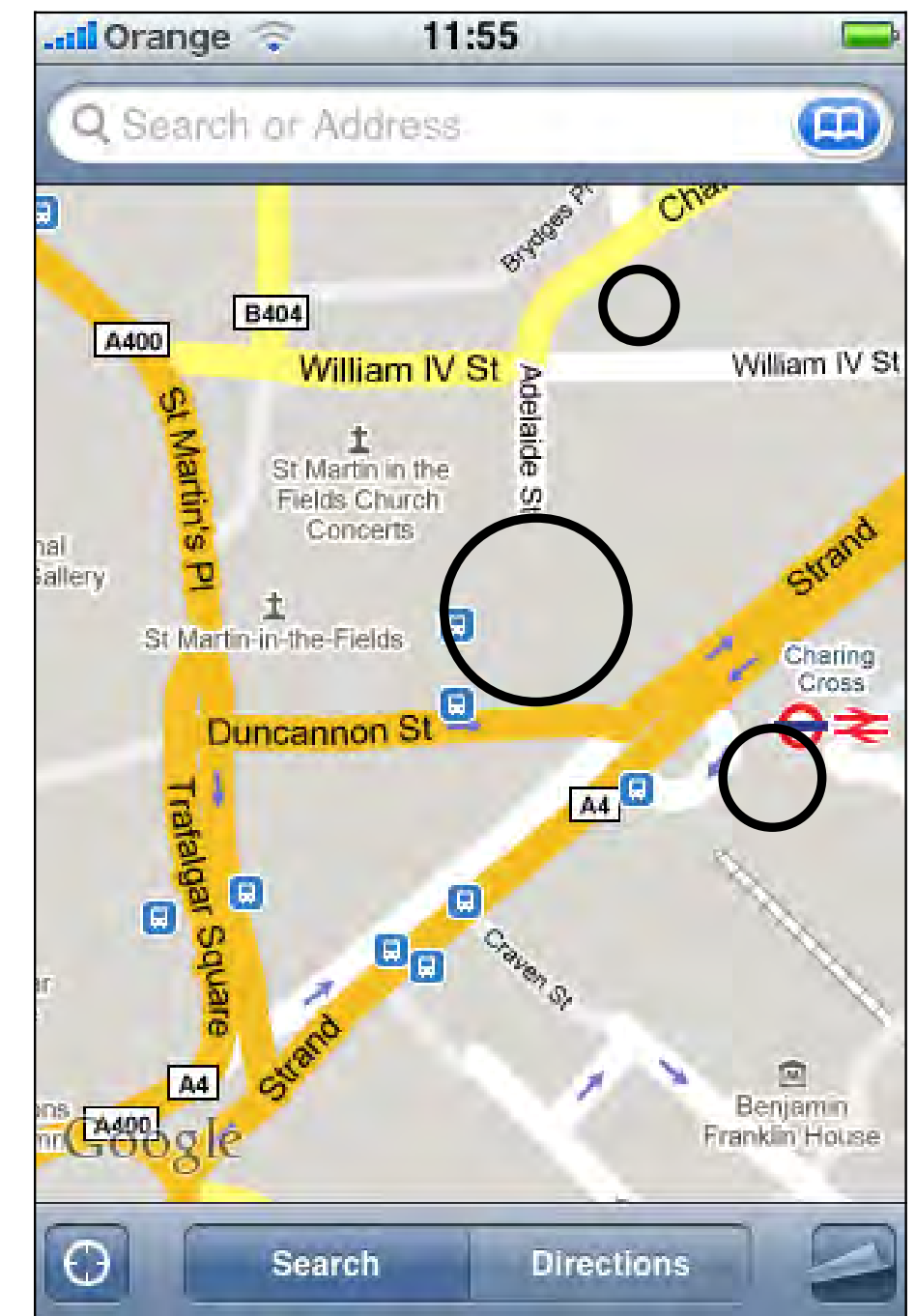
Oxford Street is shown as an important thoroughfare



Oxford Street is shown as lowest priority (as it is a restricted access street)

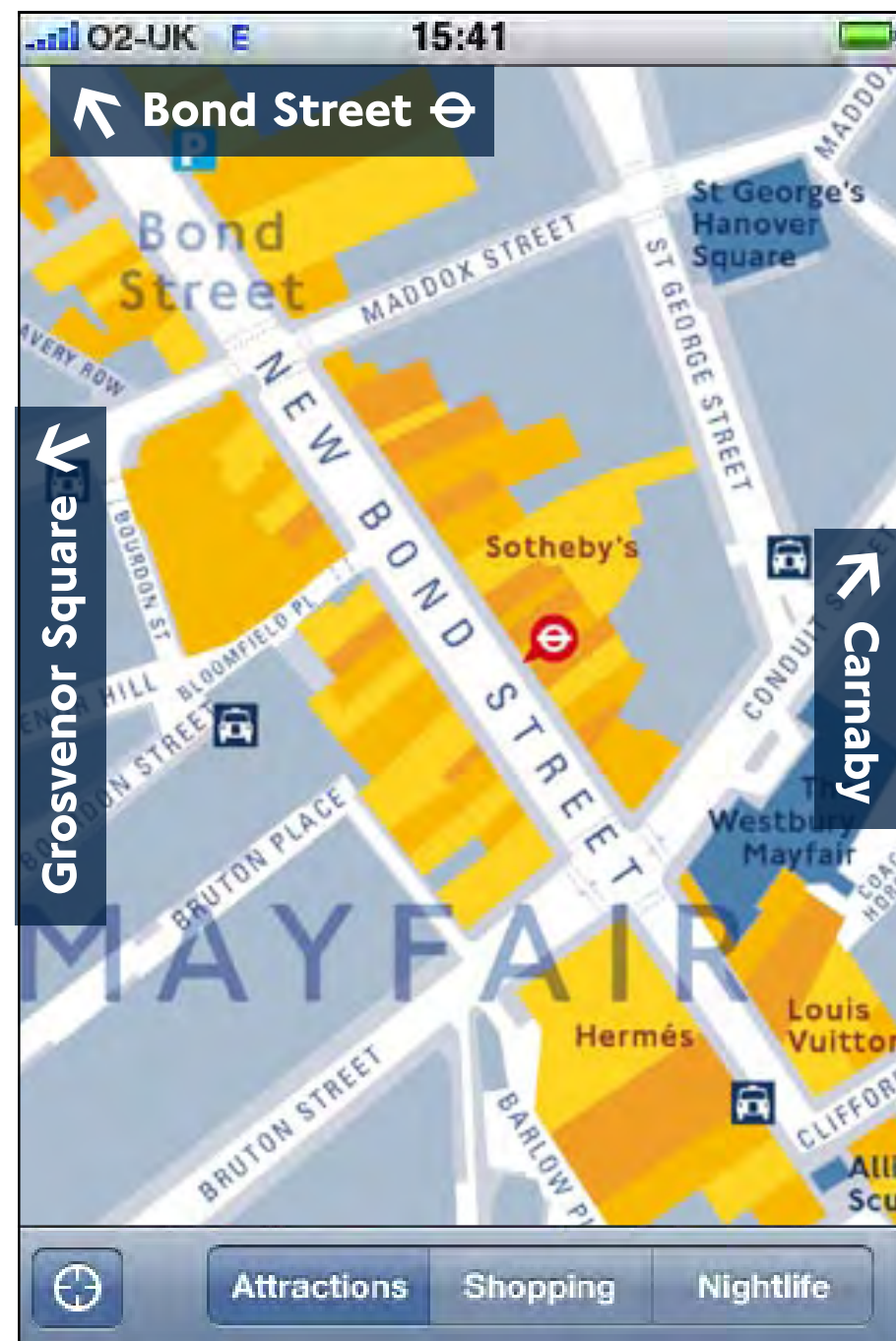


Legible London is designed to show you where you can walk

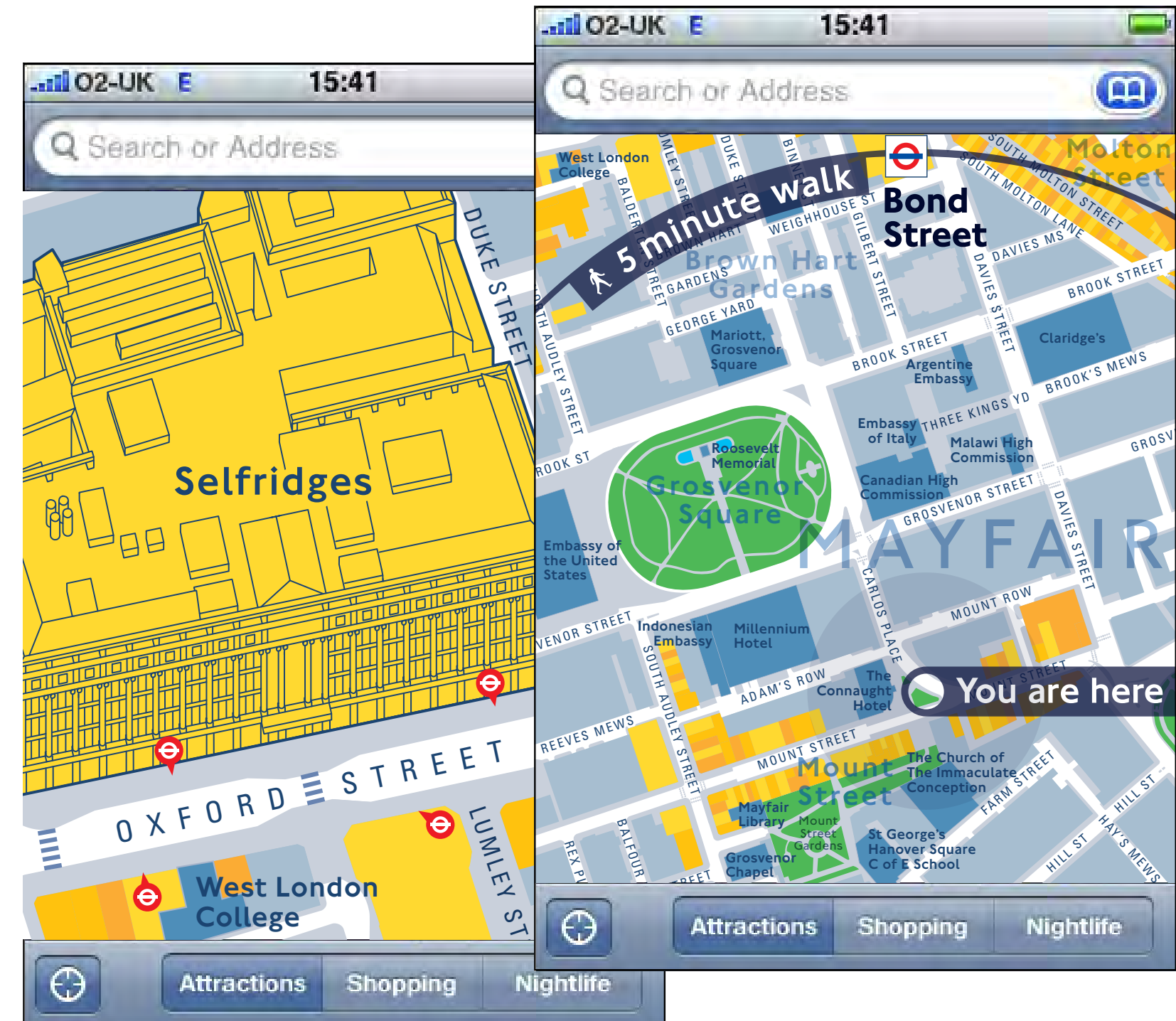


Google doesn't show all walking connections

Features for walking in the West End.



Directional pointers link to Legible London signs and allow walkers to navigate off the map



3D buildings and walking distances to help orientation and planning

Shopping – browsing and searching features.



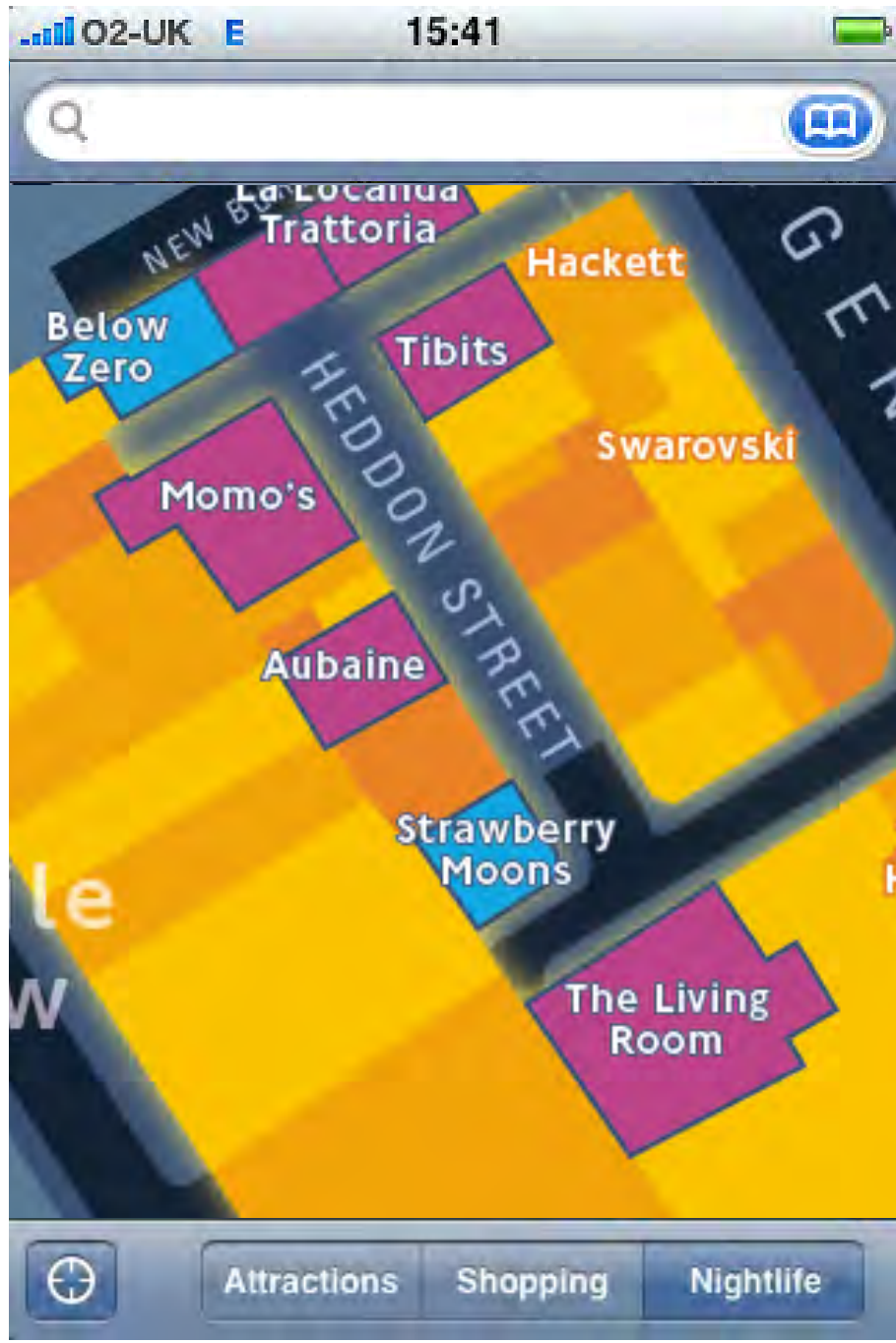
Searching every shop (including search by category)



Browsing with all shop locations shown



Descriptive information about West End neighbourhoods



Multiple layers and appearances, including nightlife

Google doesn't have any of these features on mobiles.

Living Map



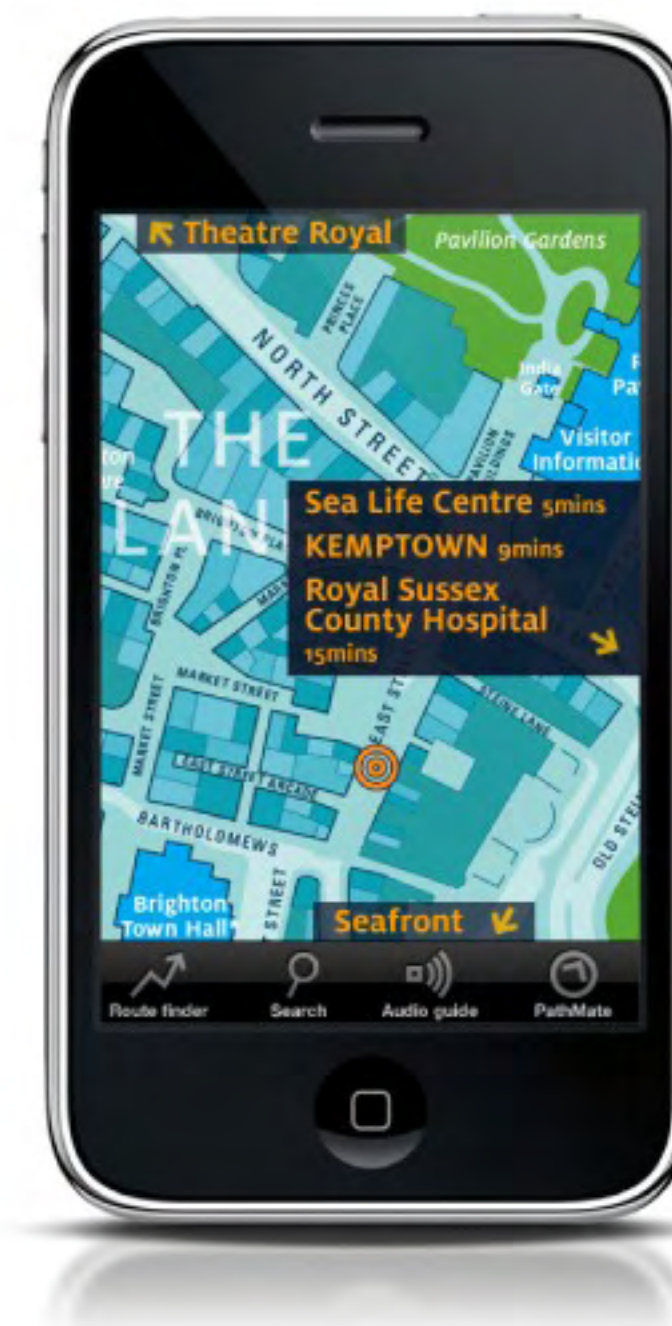
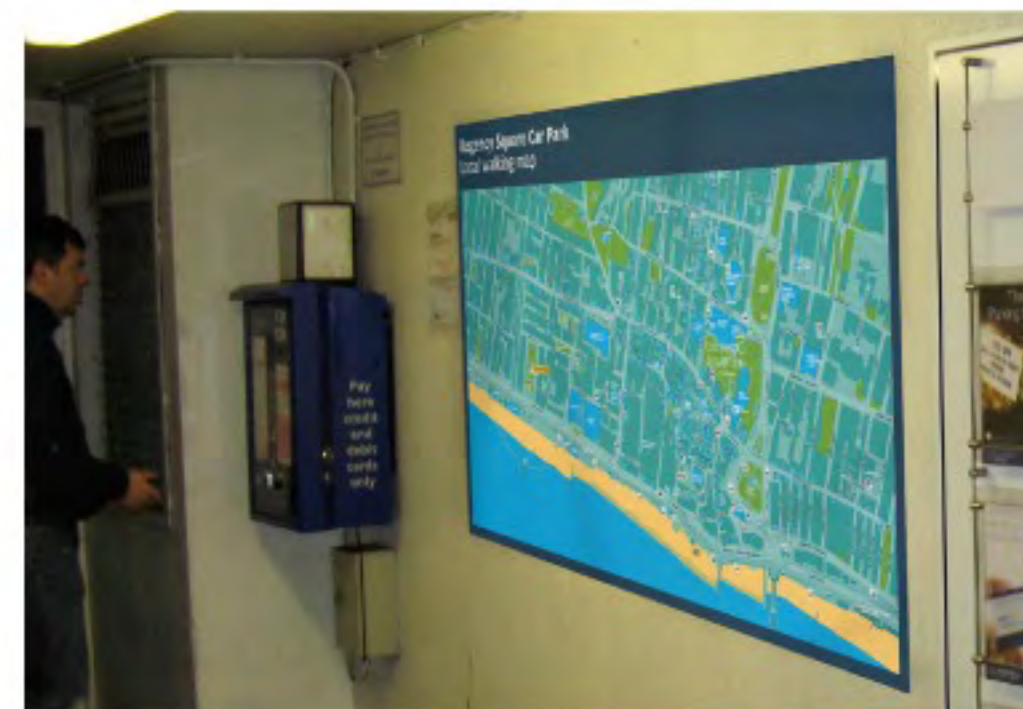
Vision

Grand Junction Road Brighton Seafront

Brighton Marina 20mins
 Coach Station 10mins
 The Lanes 7mins
 Visitor Information 4mins
 Royal Pavillion 4mins
 North Laine 5mins

East Street The Lanes

Coach Station 1min
 Seafront 2mins
 6mins Churchill Square



Brighton Maps - VisitBrighton

<http://www.visitbrighton.com/site/maps-guides-and-interactive/maps>

visitBrighton
The official tourism guide to Brighton

Home Accommodation Things to Do Culture What's On Eating & Shopping Maps, Guides & Interactive Tourist Information Brighton

Home Guides Blue Badge Podcasts Travel Buddy Walking Tours Brighton Villages Images of Brighton Competitions Shop

You are here: Maps, Guides & Interactive > Maps [Print this page](#) [Print this page](#)

Brighton Maps

Find your way around Brighton & Hove with our easy-to-use Brighton maps, listed below.

Download a handy map of Brighton
 Please note - clicking on any of the downloadable maps below will open the map in a new window.

You will also need **Adobe Reader** (free software) installed to view these maps.

- Download the PDF Citywide map of Brighton and Hove (300 KB)
- Download the PDF map of Brighton City Centre (5 mb)
- Download a South East Regional map, showing major airports and seaports (1 MB)

Please note, these maps are copyrighted to VisitBrighton. If you wish to use the maps for anything other than personal use please contact us.

Plan Your Trip

Guided Searches

- Accommodation
- Things to Do
- Culture
- What's On
- Eating & Drinking
- Shopping

Contact Us

Brighton Visitor Information Centre:
 0906 711 2255
 (calls cost 50p per minute, UK only)

Special Offers

[View All Special Offers](#)

Situation

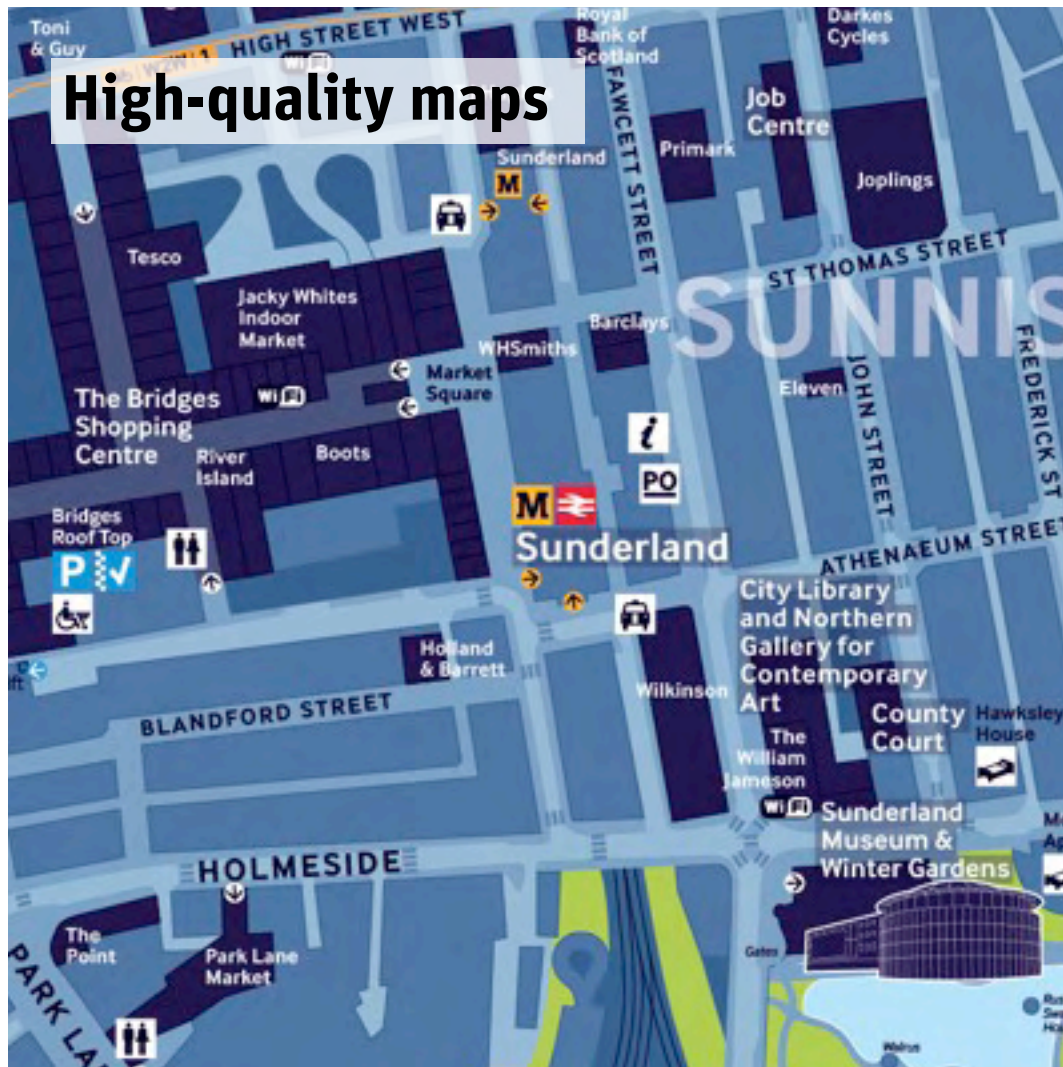
Ubiquity

Legibility

Manual production

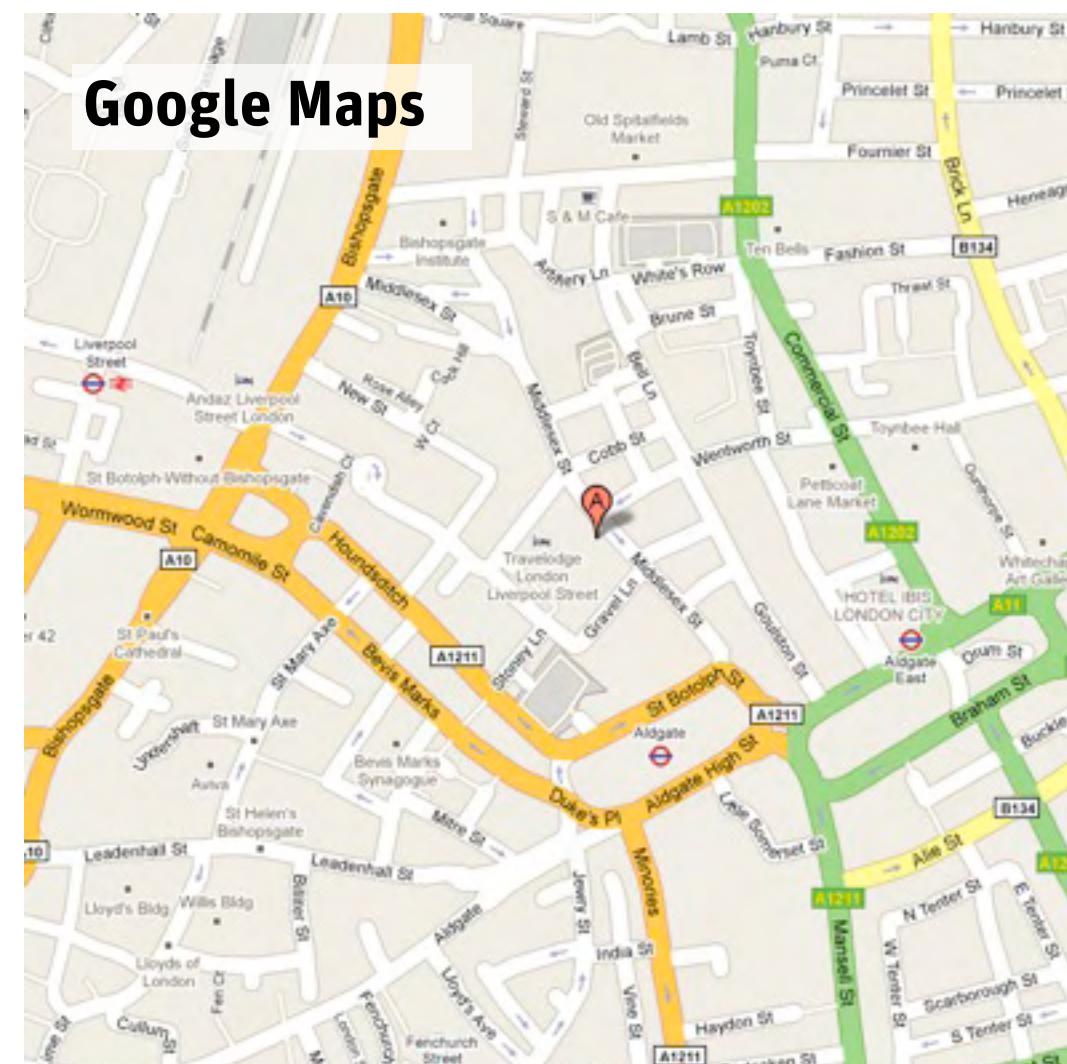


Integrity
Power
Usefulness



Availability

Quality levels



GIS

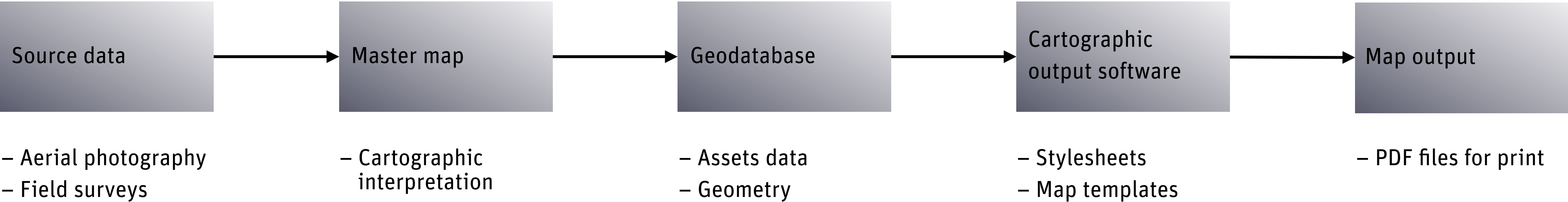
ID	OBJE...	ID 2	NAME
1950	1	1	Elmore Golf Course
1951	2	2	Houghton Le-Spring
1952	3	3	Wearside Golf Club L
1953	4	4	George Washington
1954	5	5	Fulwell Driving Range

ID	OBJE...	ID 2	LOCATION
1901	1	1	Billy Hardy Complex
1902	2	2	Barnes Park Extensio
1903	3	3	Community North Sp
1904	4	4	Community North Sp
1905	5	5	Easington Lane Flats
1906	6	6	Shirley Row
1907	7	7	Northern Area Playin
1908	8	8	Fulwell Quarry Playin
1909	9	9	Globe Football Groun
1910	10	10	Herrington Recreatio
1911	11	11	Hetton Lyons
1912	12	12	Hylton Road
1913	13	13	King George V Playin
1914	14	14	Lower Southmoor
1915	15	15	Leyburn Grove
1916	16	16	Marley Pits

ID	OBJE...	TRUST	HOSPITAL	TELEPHONE	EAST...	N...
1961	1	1	City Hospitals Sunder...	Sunderland Royal Ho...	0191 5656256	437970 554
1962	2	2	City Hospitals Sunder...	Sunderland Eye Infr...	0191 5656256	439900 551
1963	3	3	City Hospitals Sunder...	Ryhygan General Hosp...	0191 5656256	440279 552
1964	4	4	Mental Health NHS Tr...	Morriswearmouth Hos...	0191 5656256	439399 553
1965	5	5	Mental Health NHS Tr...	Cherry Knowle Hospital	0191 5656256	440675 552
1966	6	6	Independent	Bupa Hospital Washin...	0191 4151272	428386 552

Living Map

Production process overview

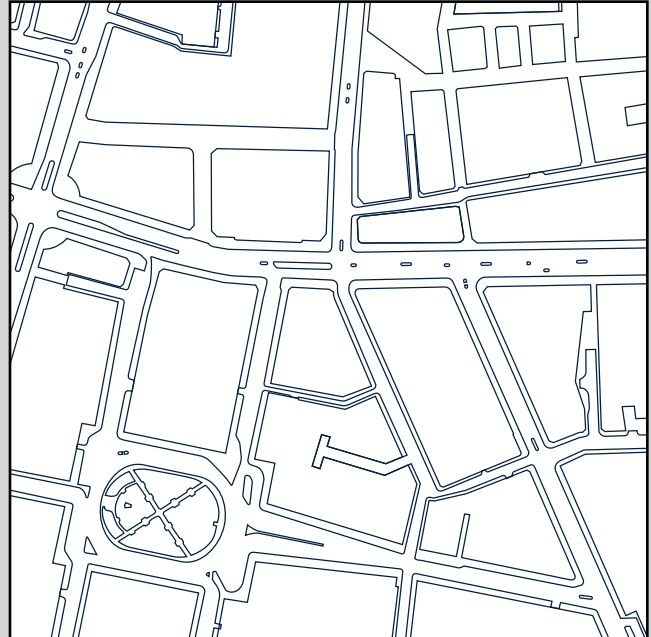


Living Map

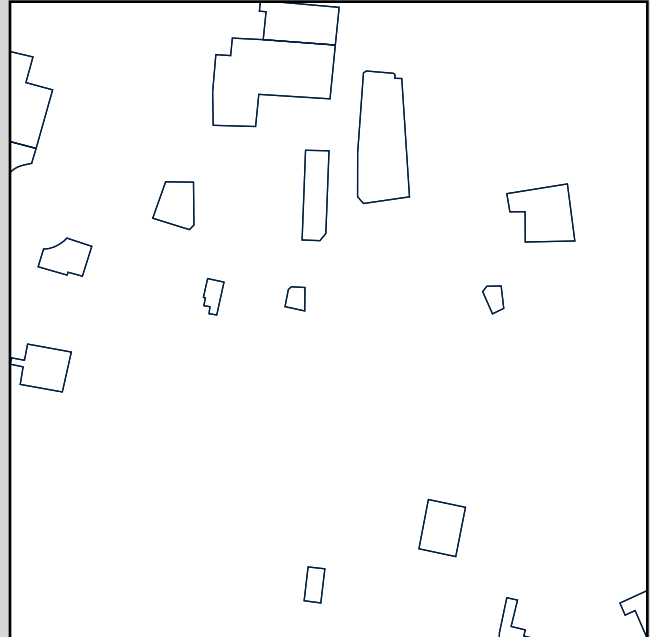
Source data

Different kinds of features are stored in the database as simple geometry with relevant tabular information.

These features have no graphic style applied.



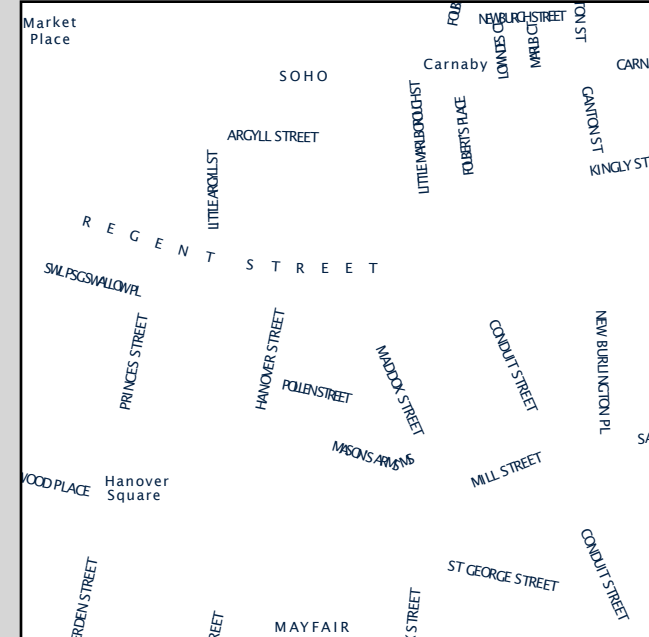
Topography



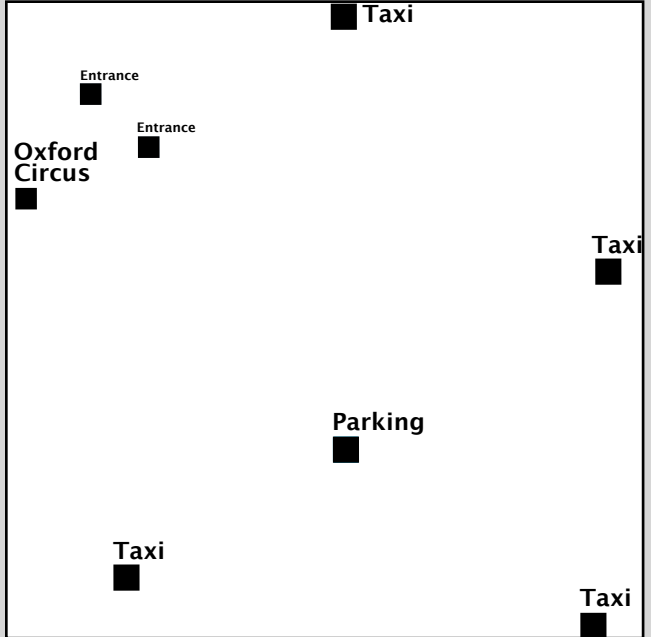
Landmarks



Retail, other amenities



Naming



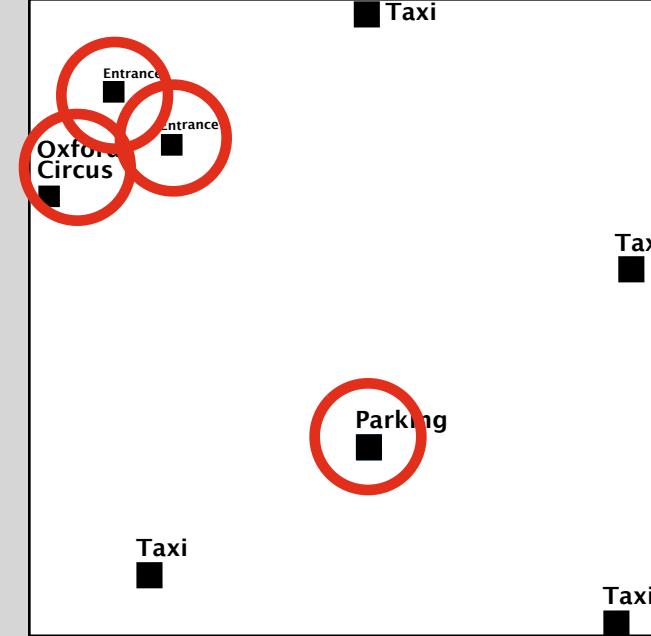
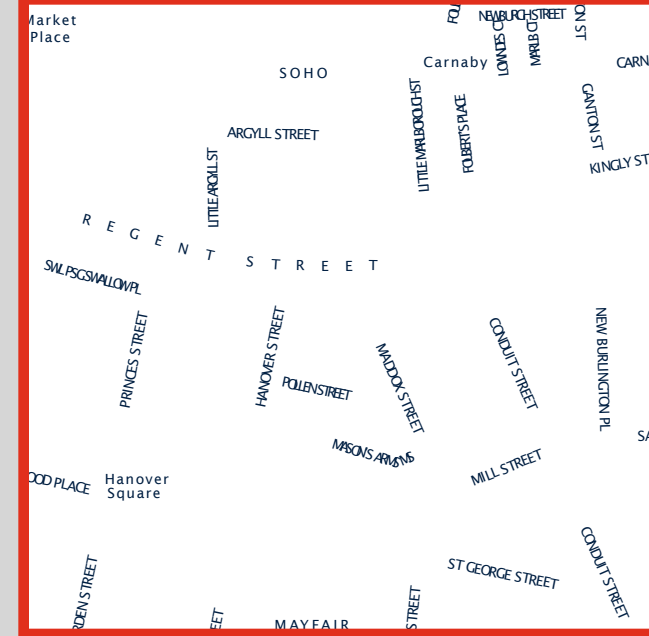
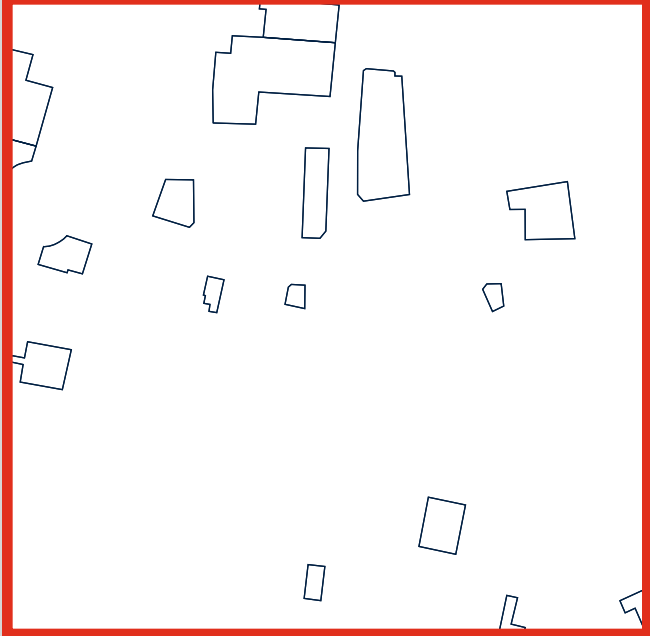
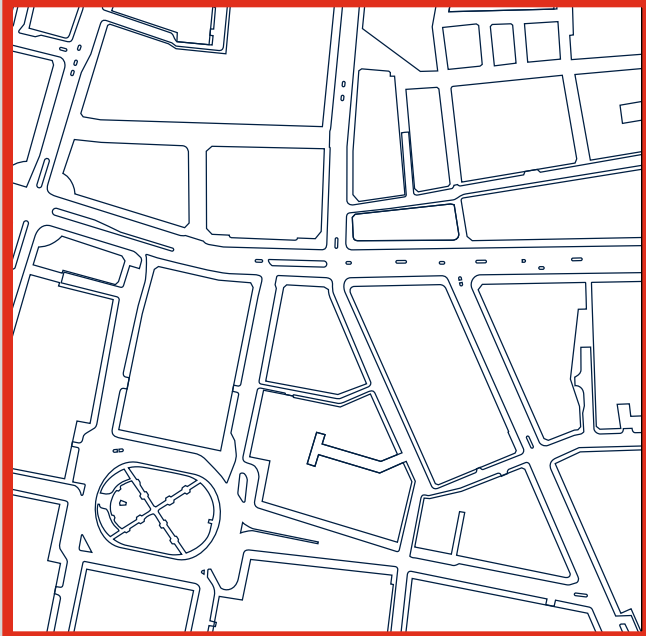
Transport

Living Map

Source data

Selection

For a given map style, different selections of features are made according to the use

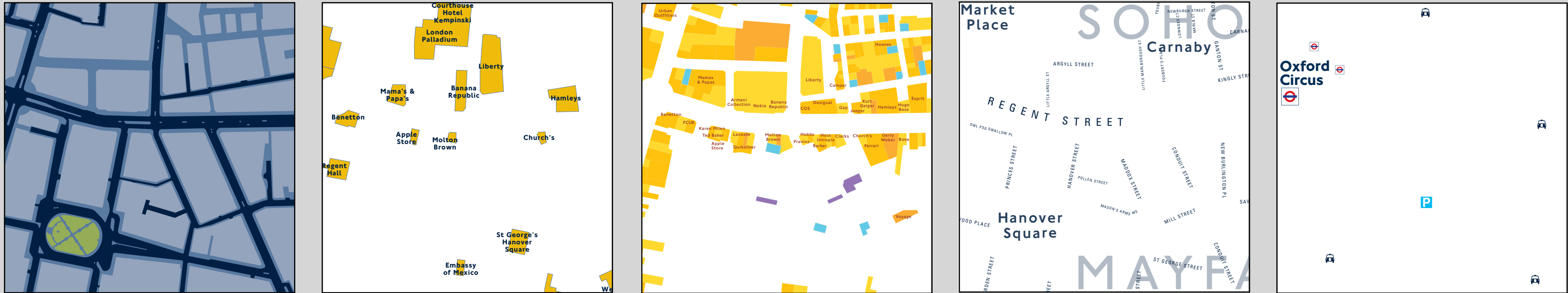


Living Map

Source data

Selection

Stylesheet
Text



The image displays five sequential map panels illustrating the design process for a 'Living Map' style. The first panel shows a raw street network with a blue and grey color scheme. The second panel highlights specific buildings and landmarks in yellow and orange, with labels like 'Courthouse Hotel Kempinski', 'London Palladium', and 'Liberty'. The third panel shows a more detailed view of the highlighted buildings with various colors. The fourth panel shows a clean, minimalist map with street names like 'Regent Street' and 'Hanover Square' in a sans-serif font, and large, stylized text for 'SOHO' and 'MAYFAIR'. The fifth panel shows the final map with a white background, blue street lines, and a central 'Oxford Circus' station icon.

Living Map

Creation of geodatabase

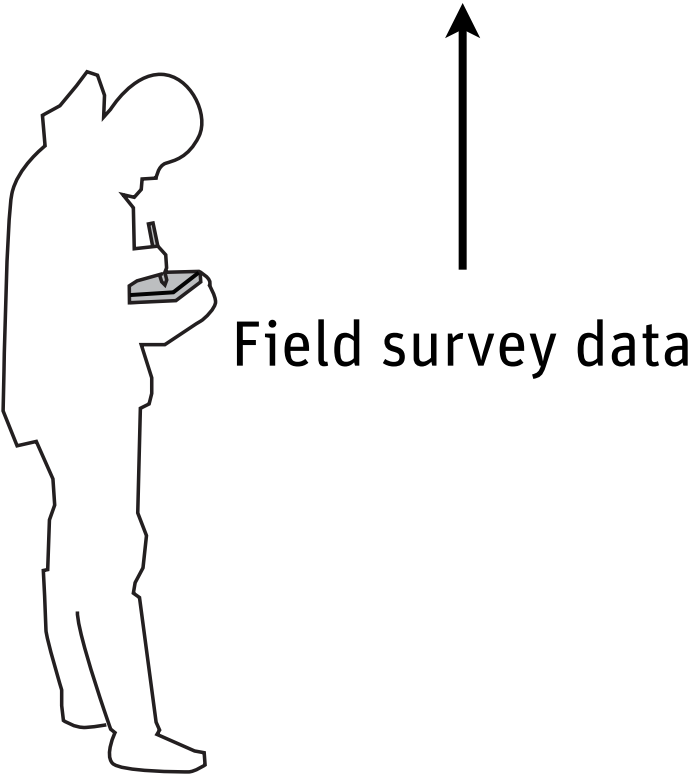
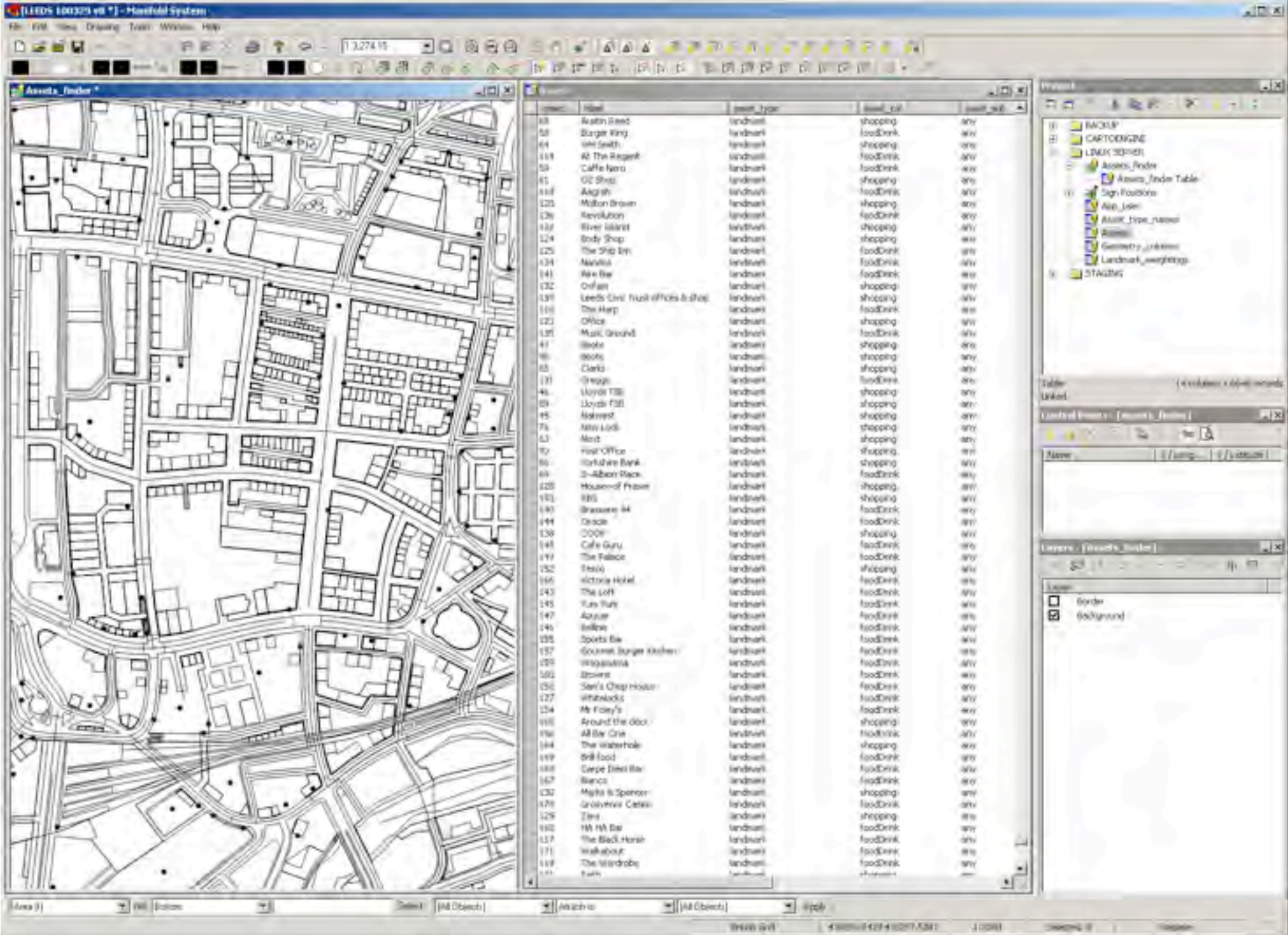
Base map data



Master map

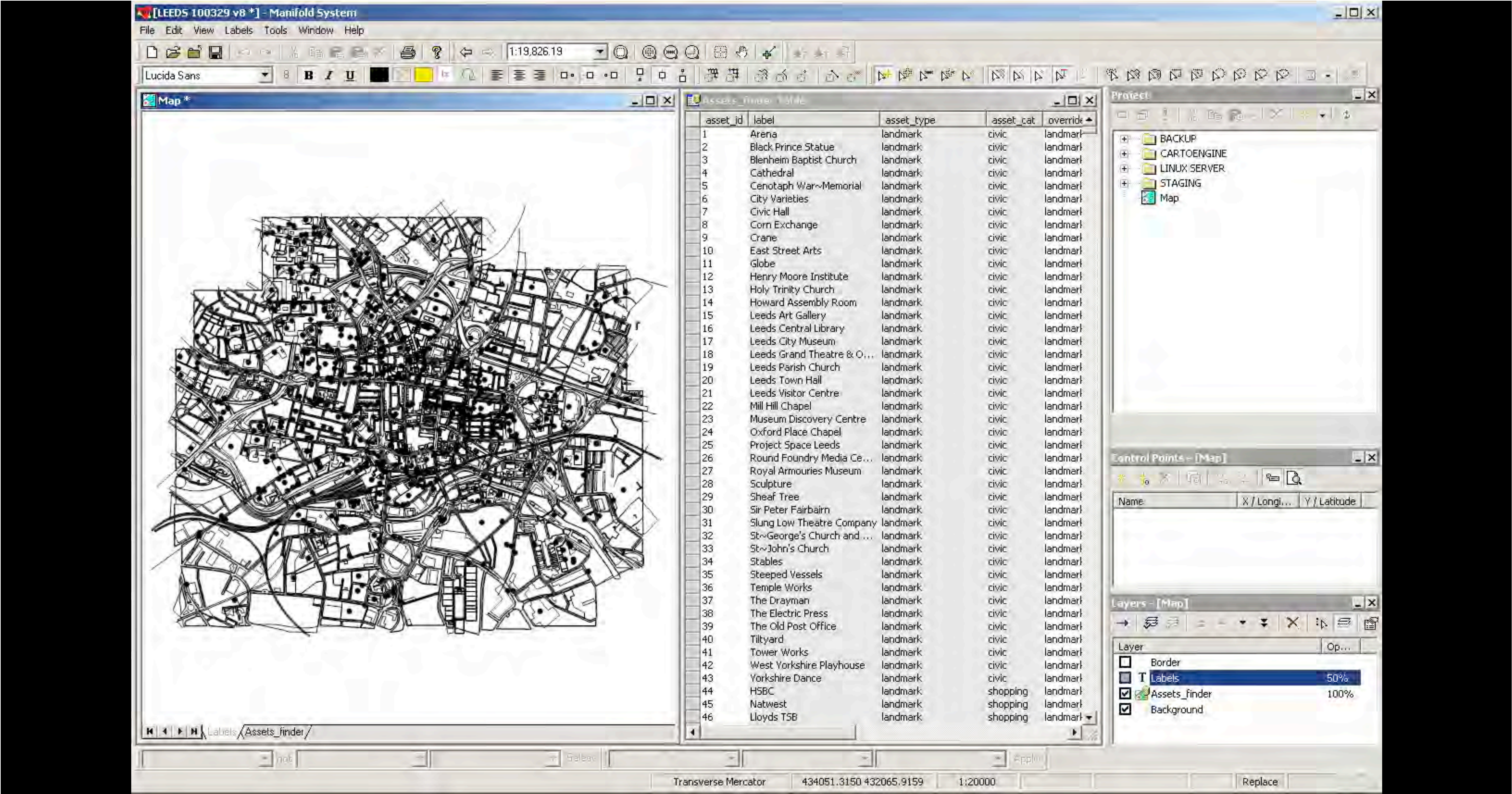


Geodatabase



Geodatabase demonstration

As viewed in Manifold GIS



Geodatabase outputs

Codified design



Map style tables

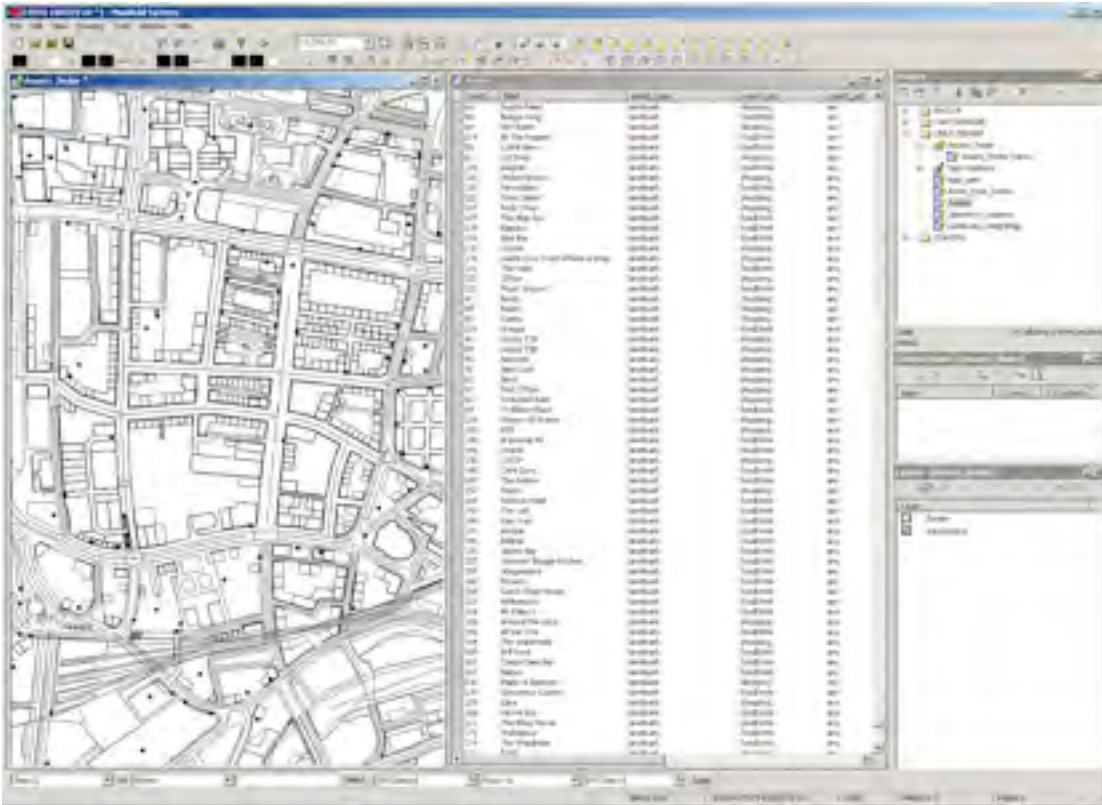
map_class	asset_type	ui_name	show_geometry	show_label	show_icon	icon_name
area	topography.pavement	Topograph...	1			
area	topography.generalS...	Topograph...	1			
area	topography.carPark	Topograph...	1			
area	pedestrianPavingFea...	Pedestrian...	1			
area	topography.green	Topograph...	1			
area	topography.riverDark	Topograph...	1			
area	topography.water	Topograph...	1			
area	topography.building	Topograph...	1			
area	topography.motorway	Topograph...	1			
area	topography.trainLand	Topograph...	1			
area	trainLine	Topograph...	1			
area	topography.pavemen...	Topograph...	1			
area	activeFrontageOpacity	AF	1			
area	activeFrontageShopp...	AF	1			
area	activeFrontageShoppUnit	AF	1			
area	activeFrontageShoppD...	AF	1			
area	activeFrontageOutlines	AF	1			
area	pedestrian.barrier	Pedestrian...	1			
area	pedestrianSteps	Pedestrian...	1			
area	landmark	Landmarks...	1			
area	railStation	any	1			
area	stationDivision	any	0			

```

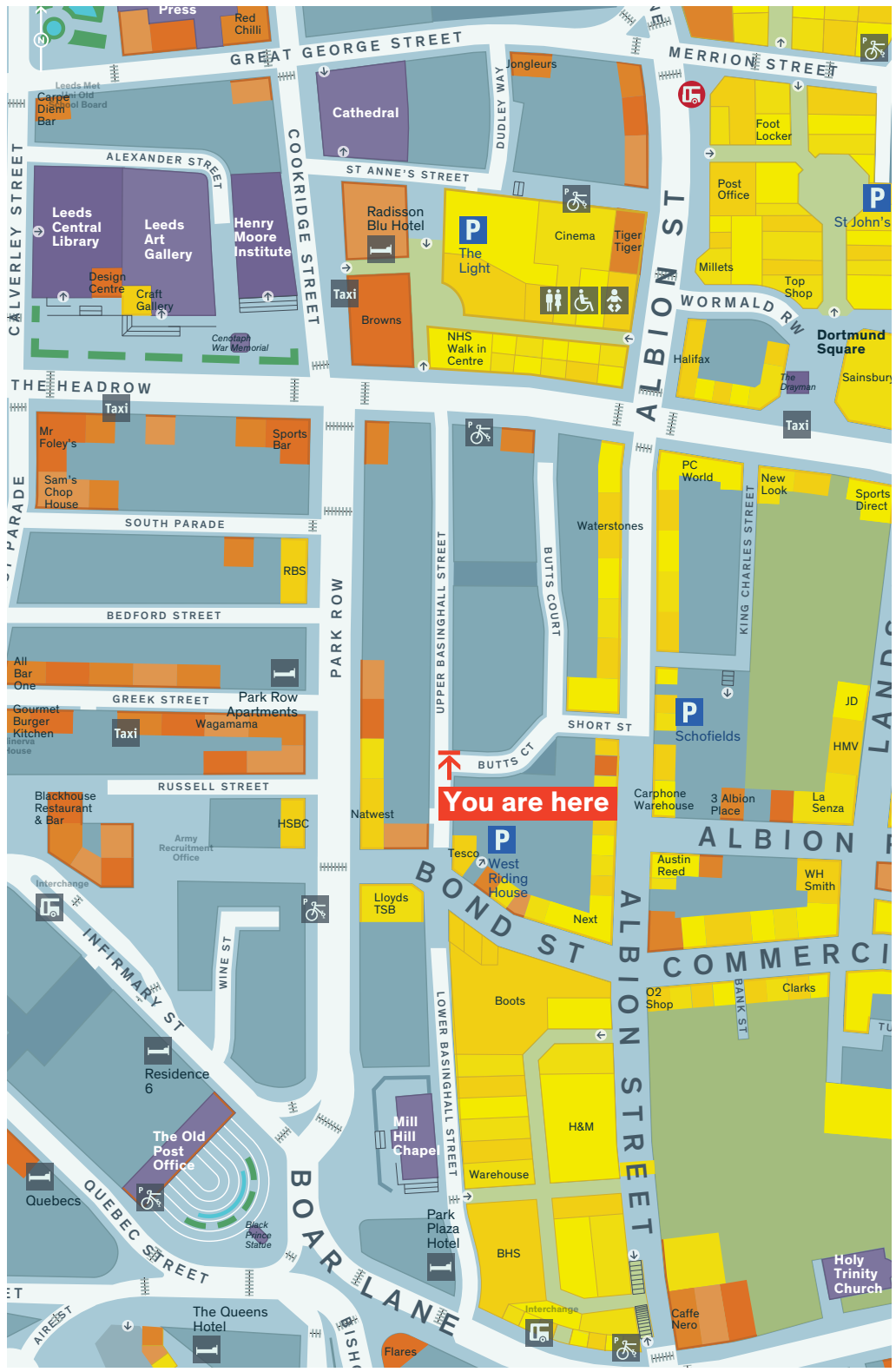
<map name="Minilith">
  <map-class>area</map-class>
  <map-genre>Minilith</map-genre>
  <default-params>
    <scale>1185</scale>
    <output-resolution>300</output-resolution>
    <map-width>500</map-width>
    <map-height>750</map-height>
    <x-offset>250</x-offset>
    <y-offset>300</y-offset>
    <label-limit>1000</label-limit>
  </default-params>
  <index>
    <cols>2</cols>
    <rows>3</rows>
  </index>
  <map-template>minilith-map.xml</map-template>
  <styles>

```

Stylesheets and map template files



Geodatabase

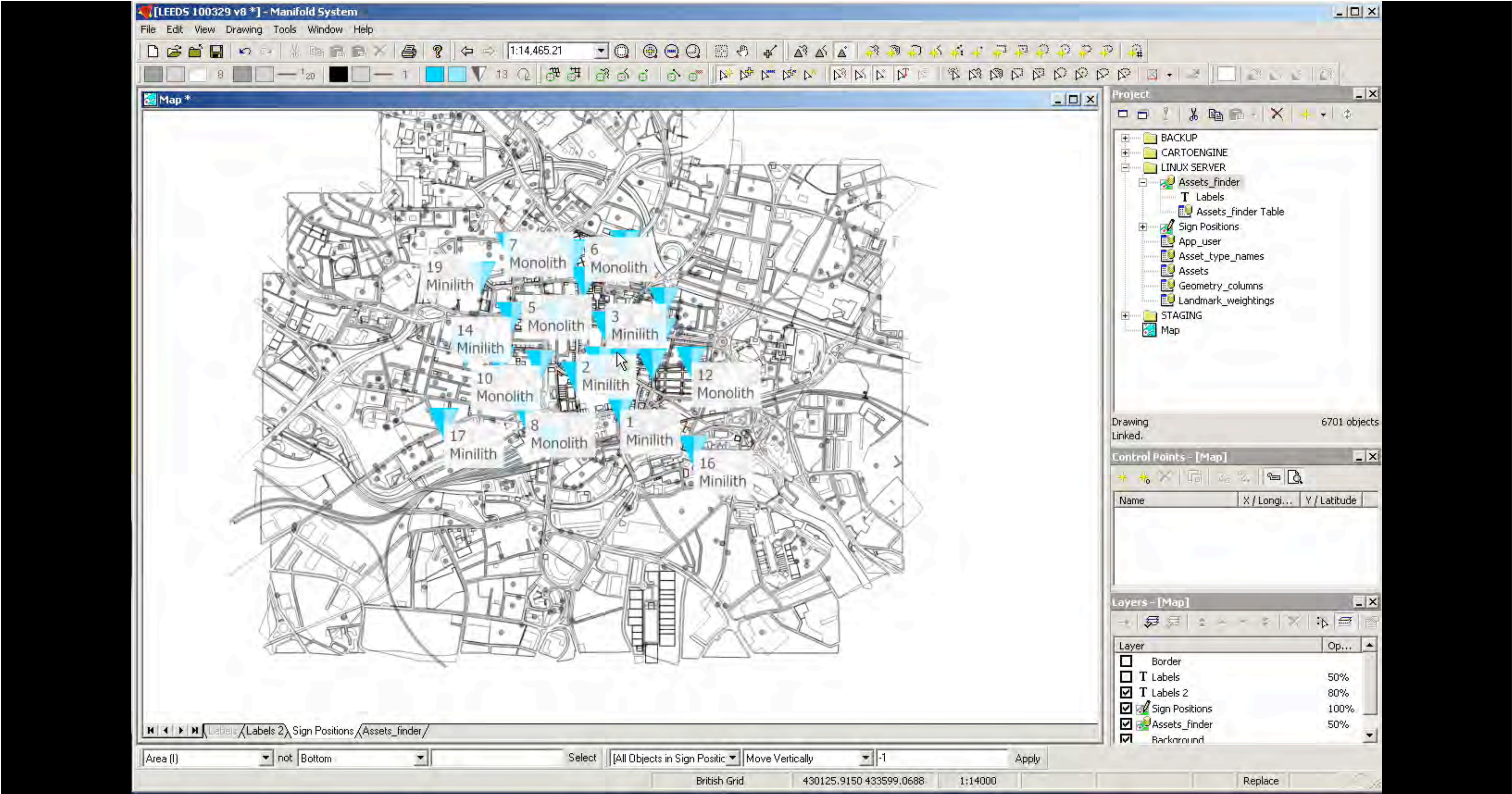


Map output

Cartographic output software

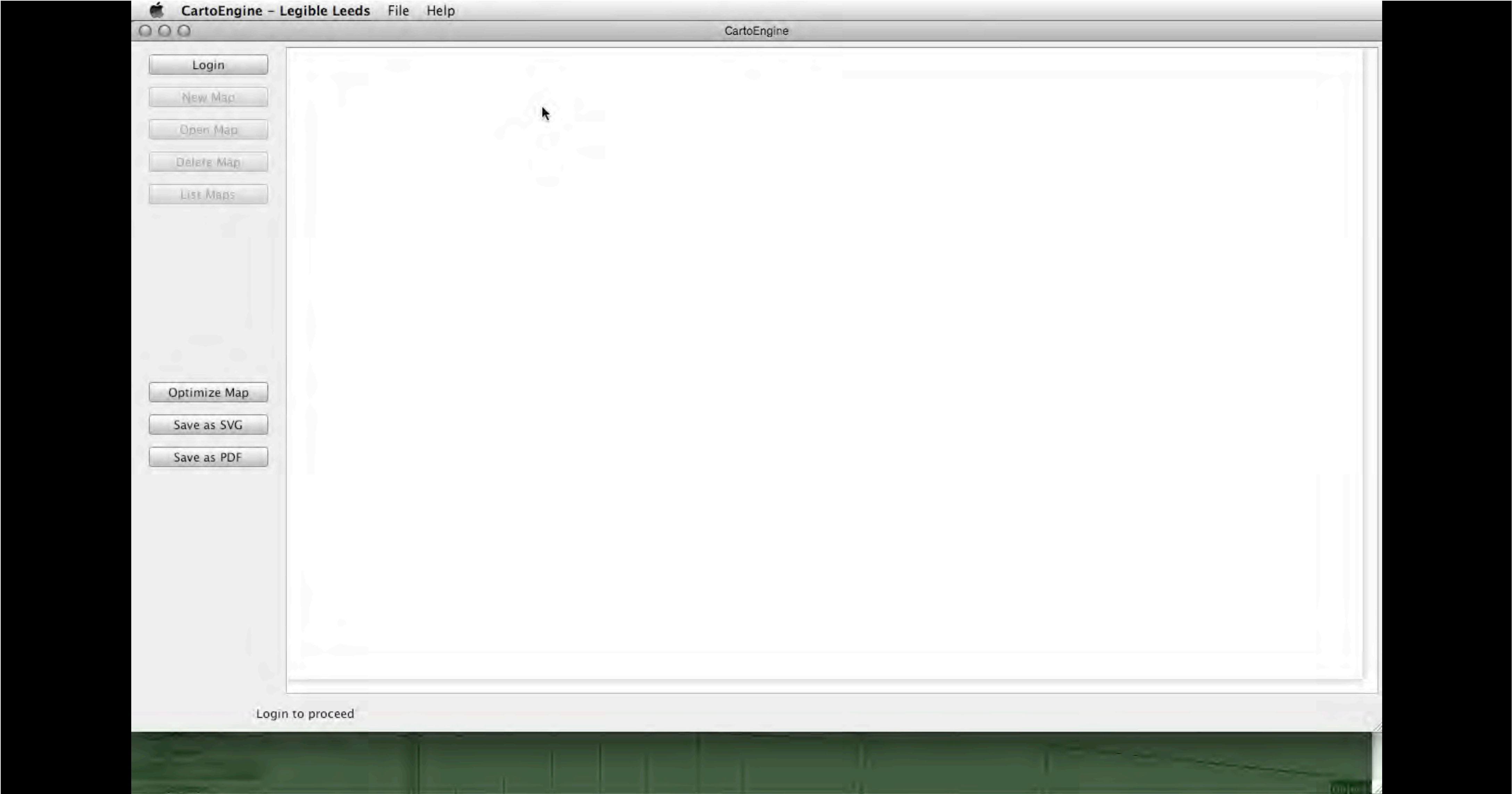
Geodatabase demonstration

Creation of a map using CartoEngine



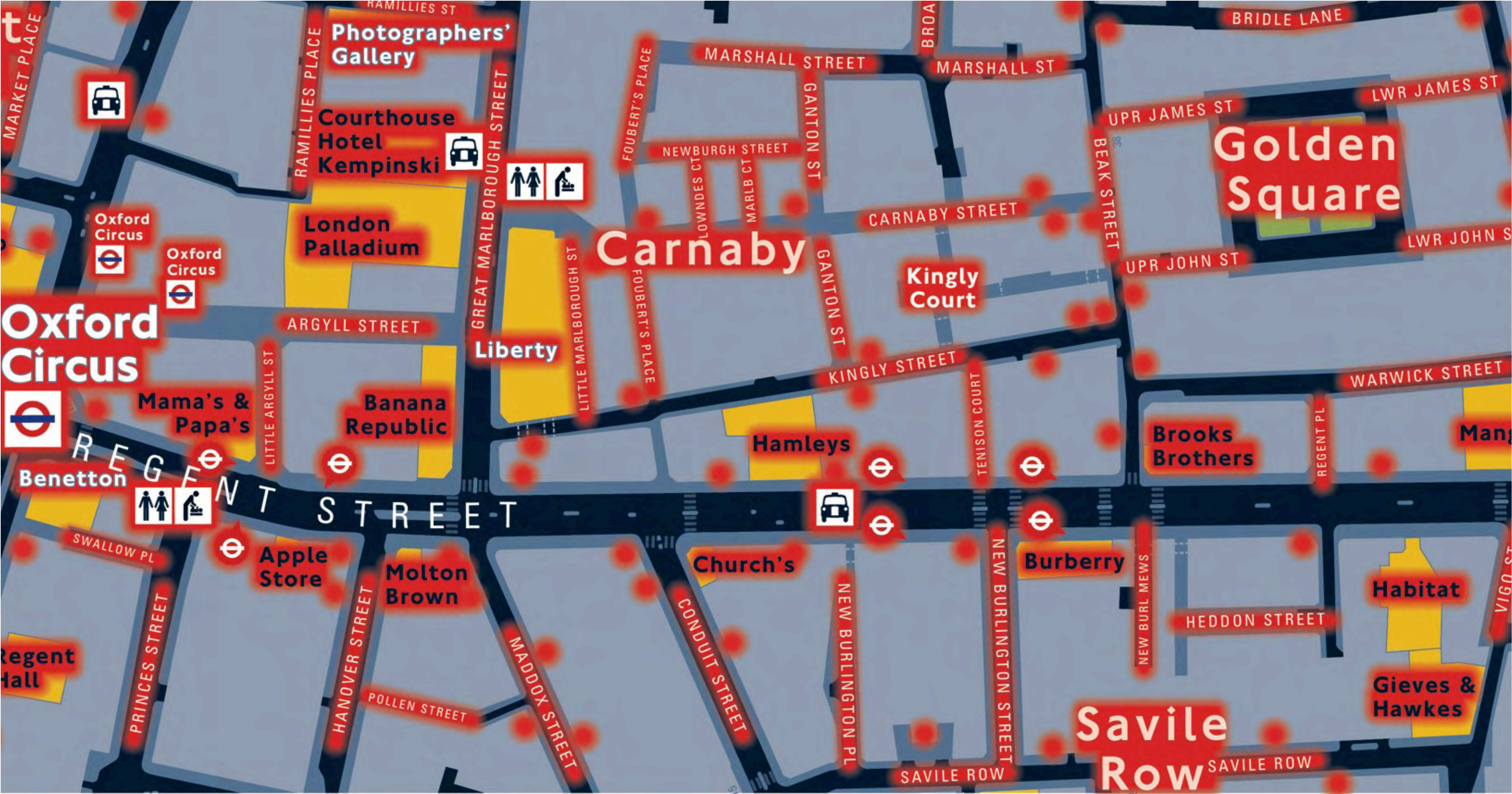
Geodatabase demonstration

Creation of a map using CartoEngine



Problem solving

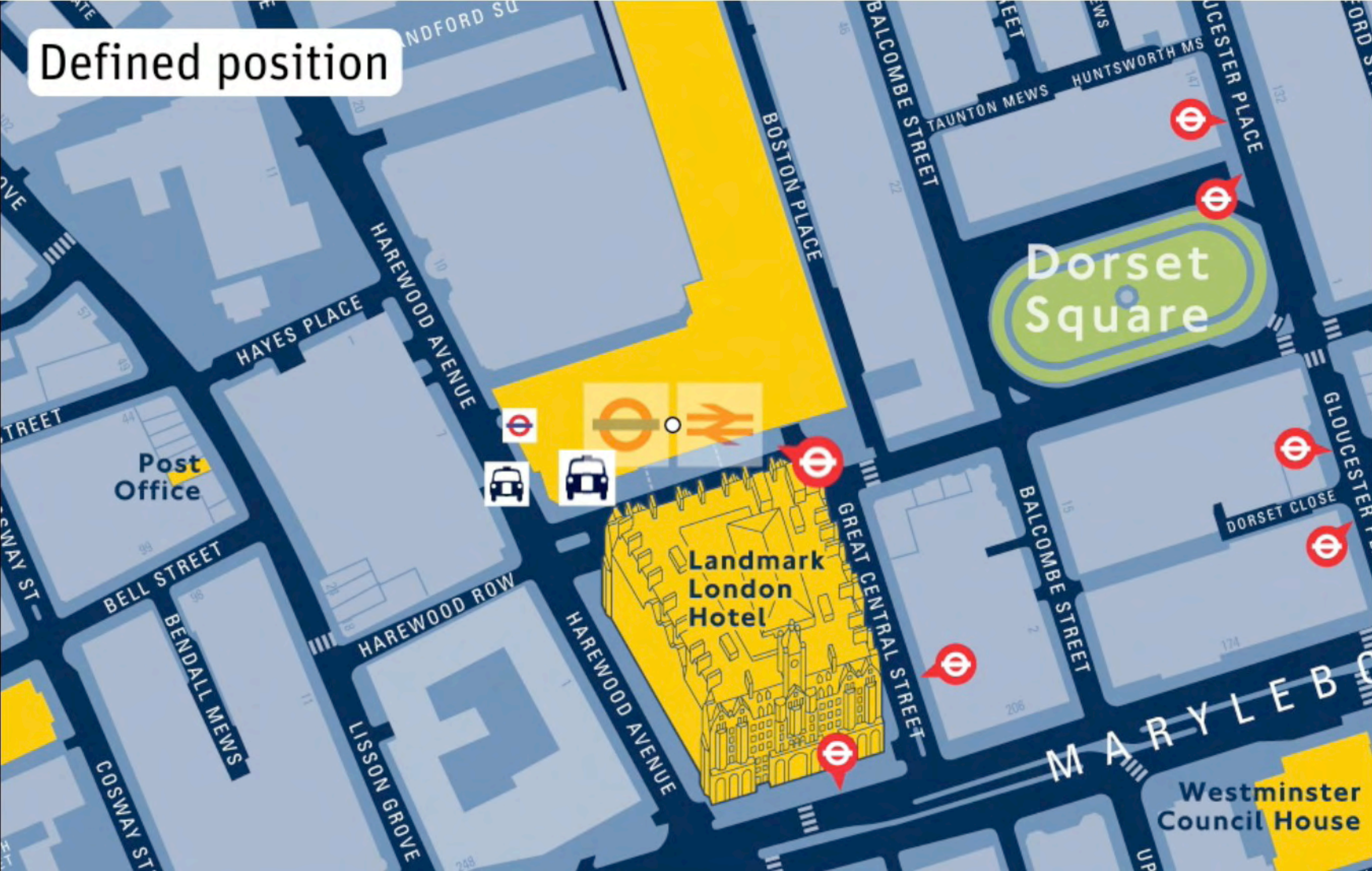
Energy levels



Optimisation

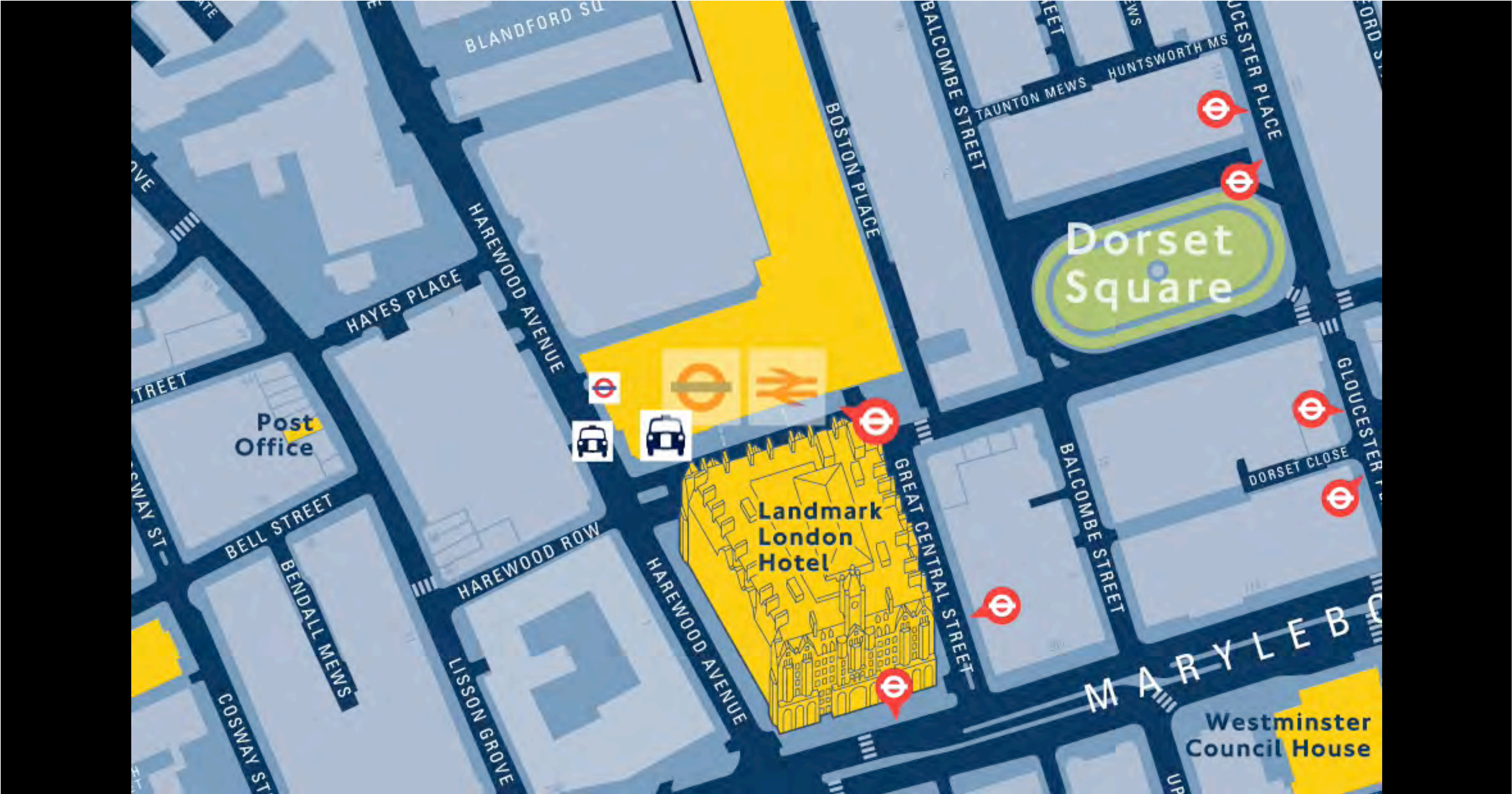
Basic geometry

Defined position



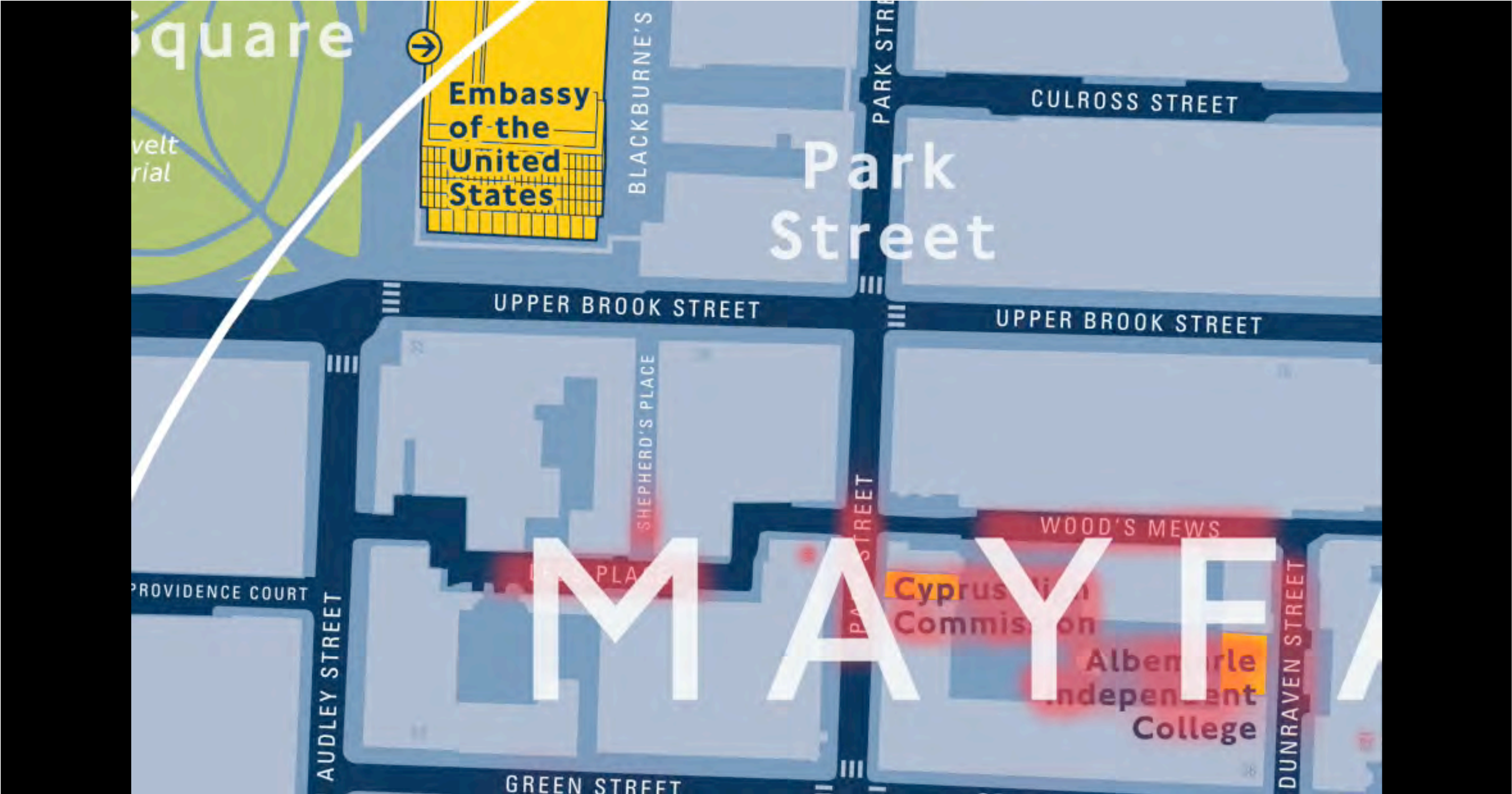
Optimisation

Elastic



Optimisation

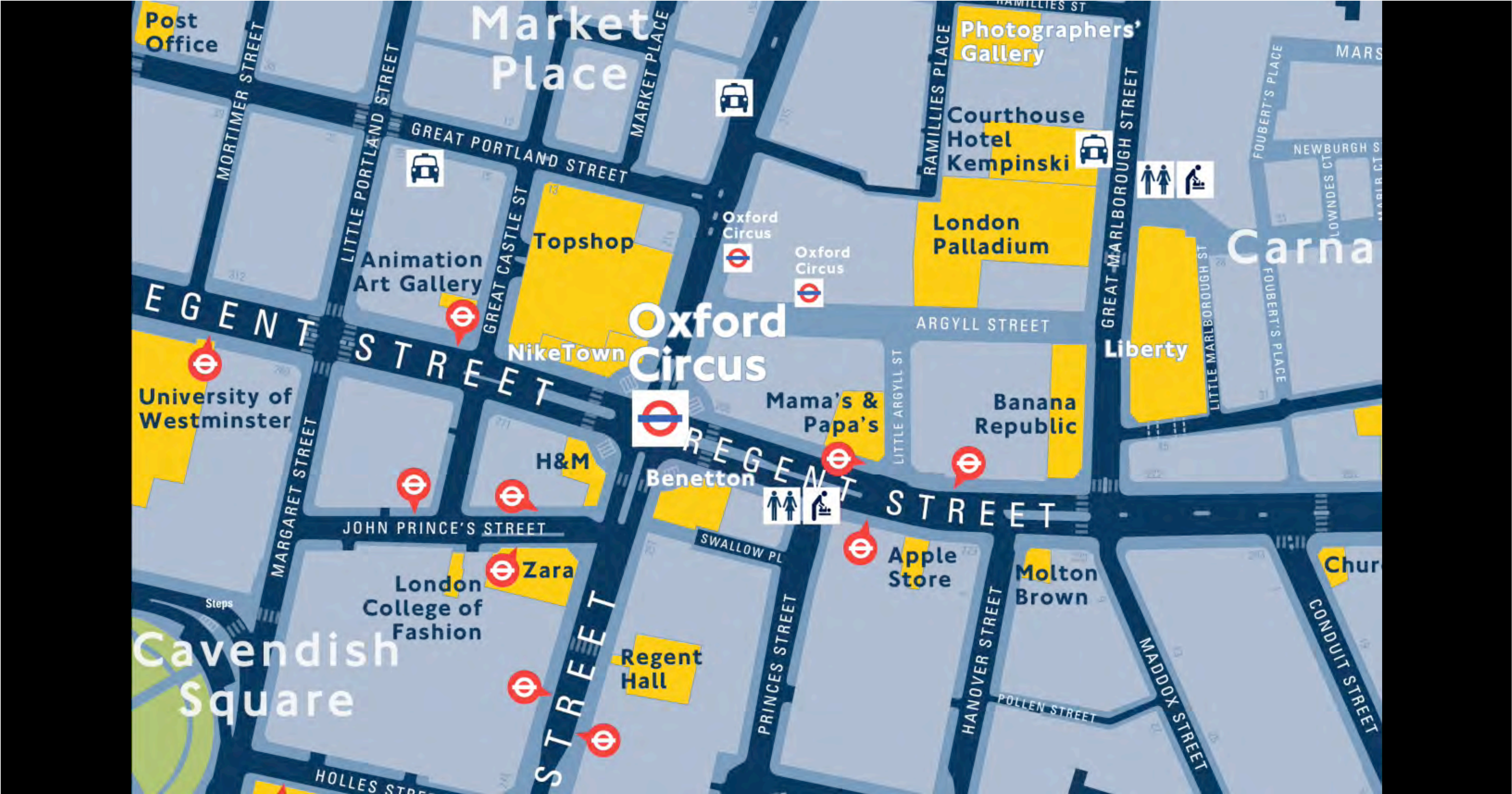
Elastic



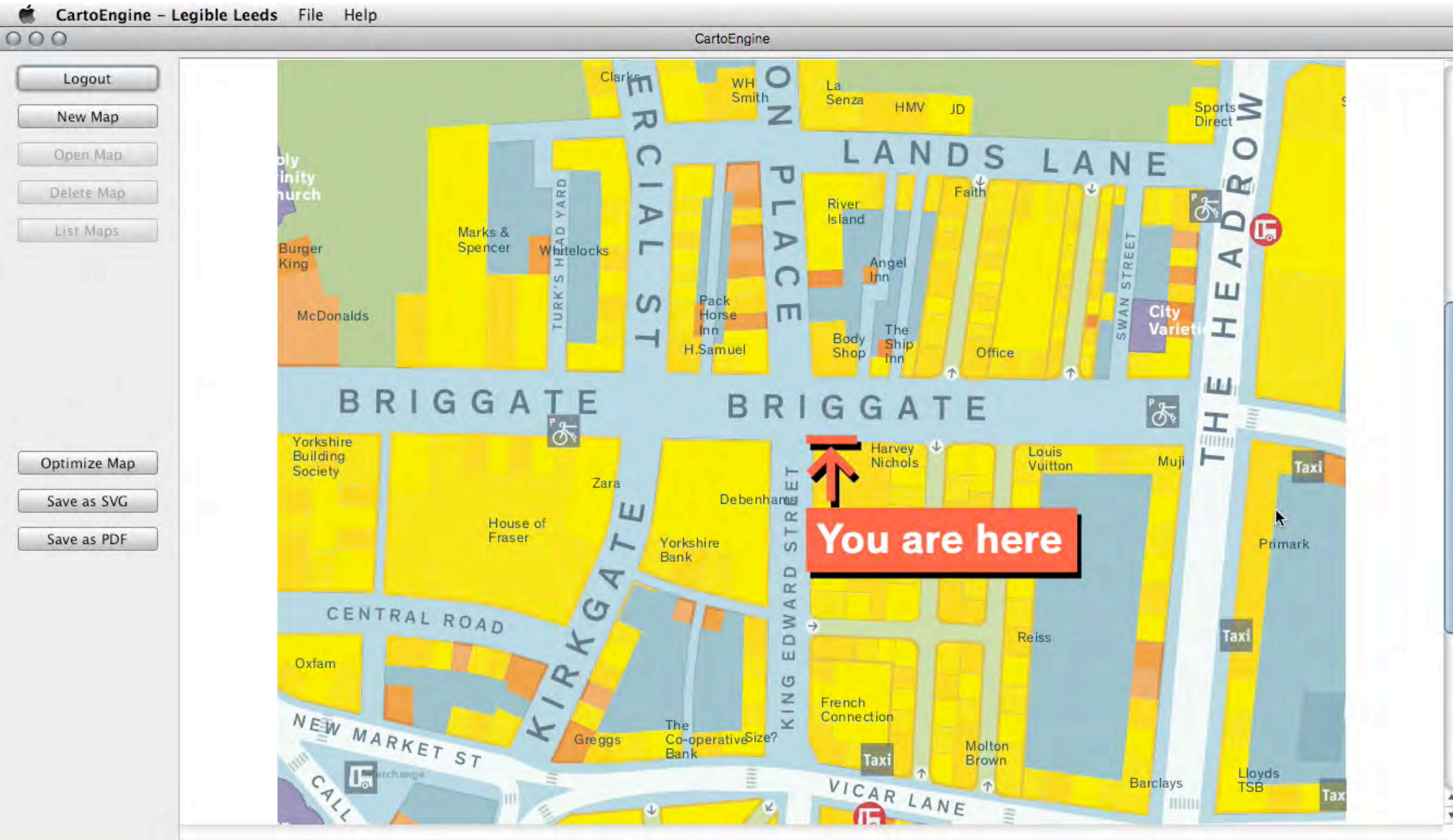
Optimisation Zone



Optimisation Roads



Map optimisation



Done!

```
INFO: 83* Vicar Lane  
22-Apr-2010 10:58:08 com.aiglondon.LivingMap.application.AppInitializer$1 log  
INFO: 83* Vicar Lane
```


Views

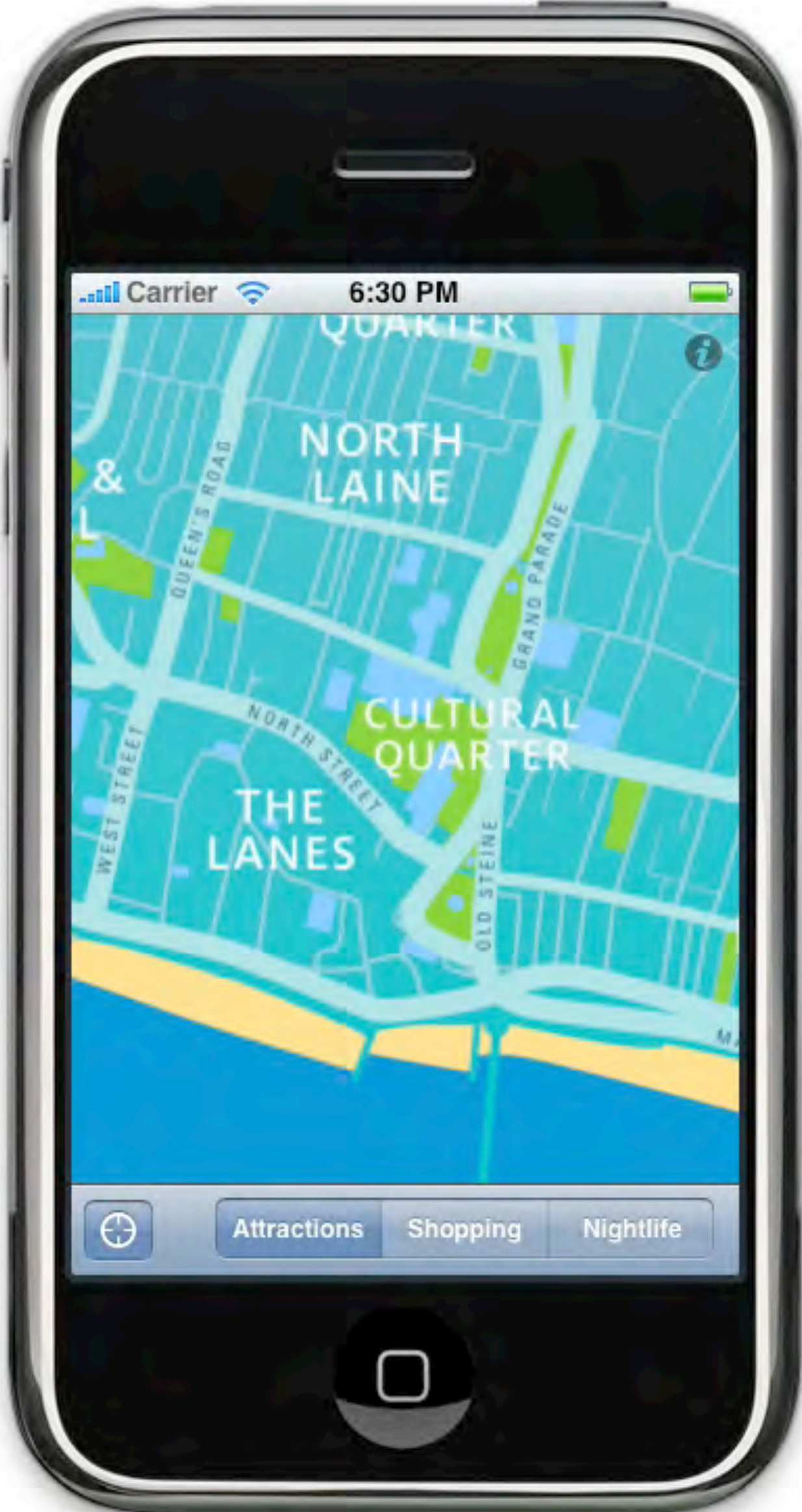
Rotation



Views Rotation















Views Style



Editing

Key

-  Underground exit
-  National Rail station
-  Bus station
-  Taxi rank
-  Public toilet
-  Library
-  Embassy
-  Theatre
-  Cinema
-  Footpaths
-  Oyster Ticket Stop selling One Day and longer Bus & Tram Passes and Travelcards. You can also top up your Oyster credit balance, to pay as you go.
-  Tube stations sell ticket products including Oyster and One Day Travelcards

Important places & Street index:

Please see back cover

Bus services:

For information on local bus services, please see front cover

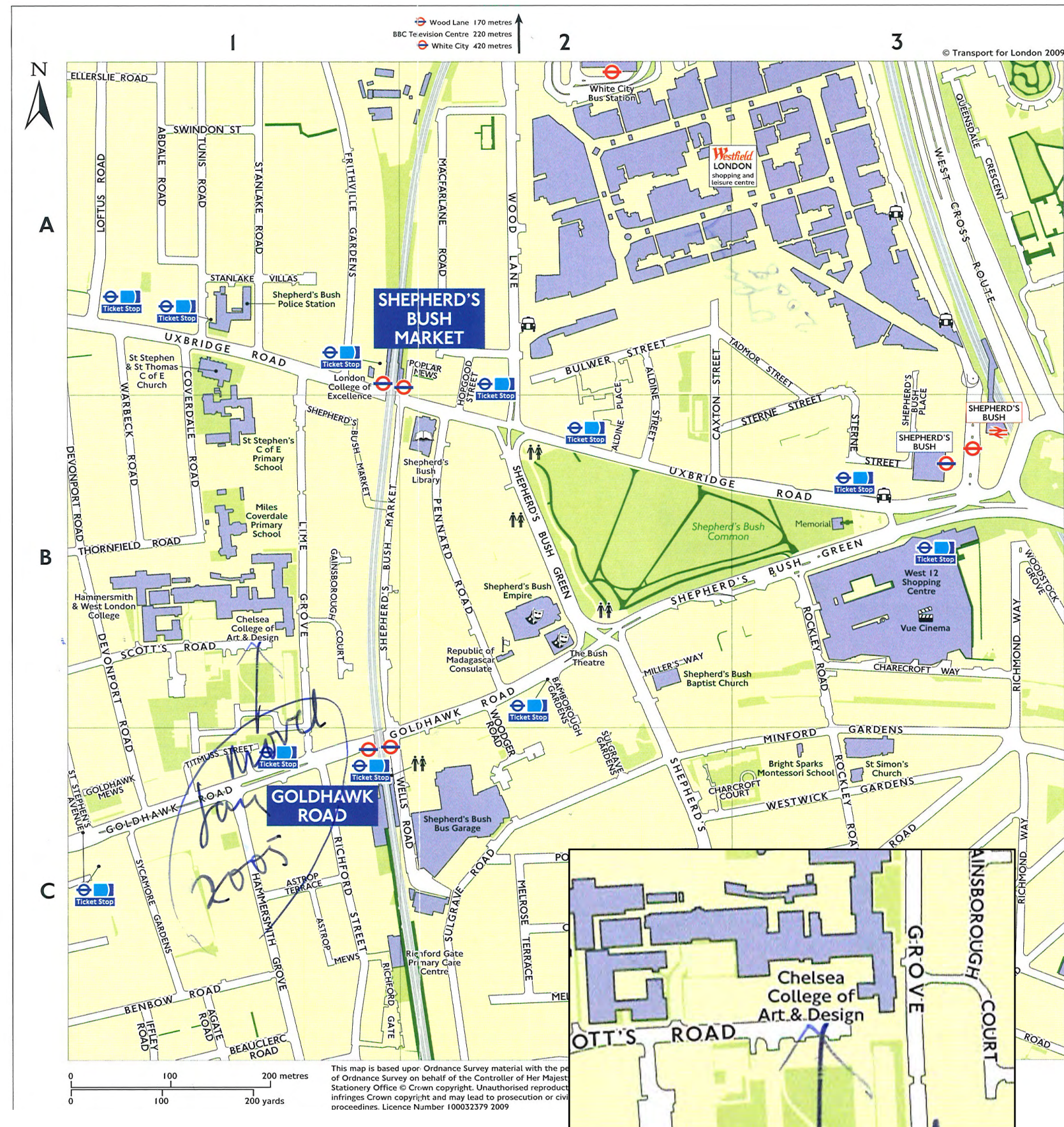


CABWISE is a text message-based service that helps you find a taxi or licensed minicab.

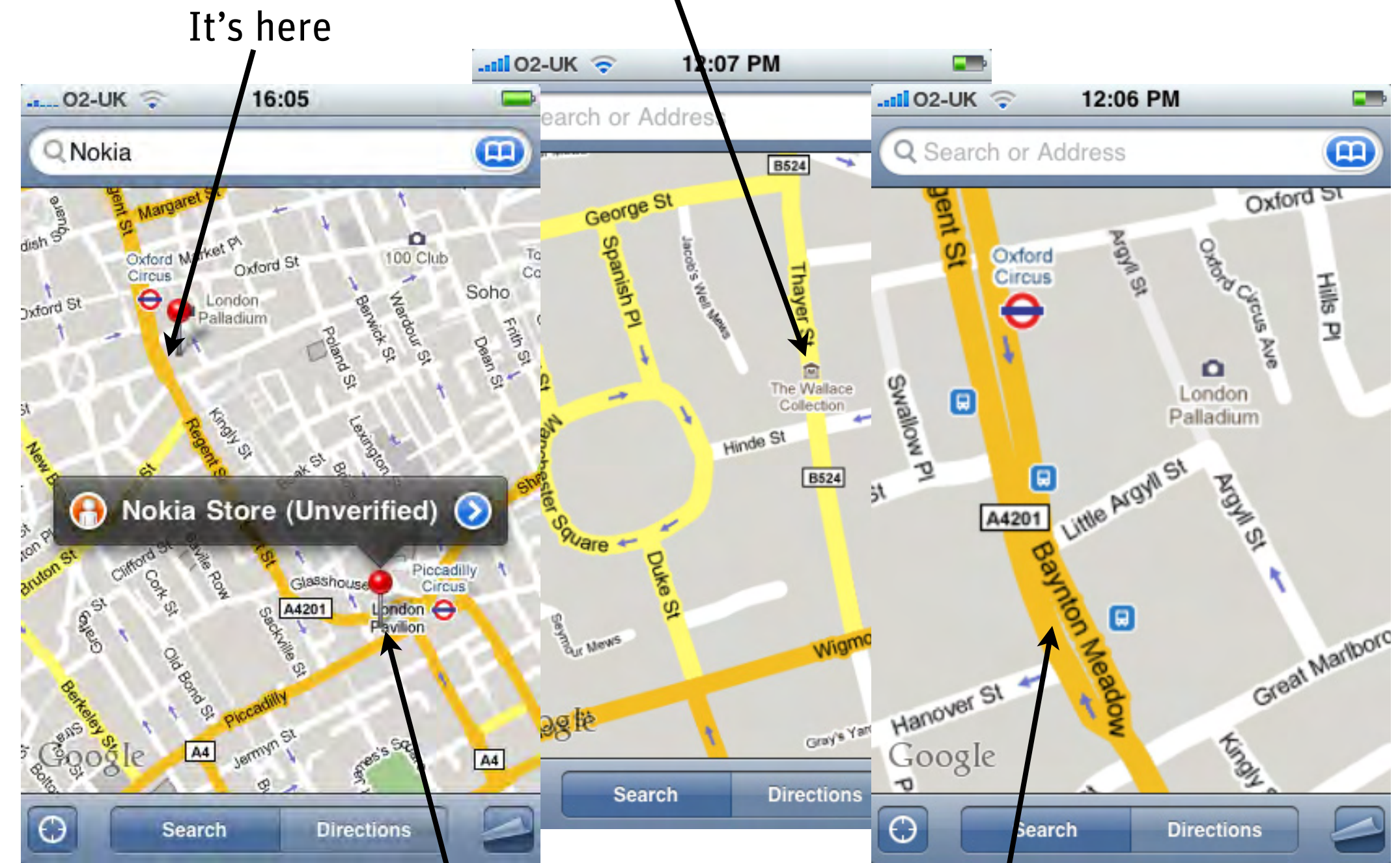
Simply text **HOME** to **60835** to get one taxi and two local, licensed minicab numbers sent straight to your mobile.

Remember, if your minicab isn't booked, it's not legal and it's not safe. Be **CABWISE**.

Text charged at 35p per enquiry plus standard text message rate. Roaming rates apply to overseas networks. Customers on 3 and overseas networks need to enter different information. See tfl.gov.uk/cabwise for further details.



Is this right?



It's here

Incorrect location given as first result

What is this?

Transport for London vicinity maps

Google Maps

Data changes

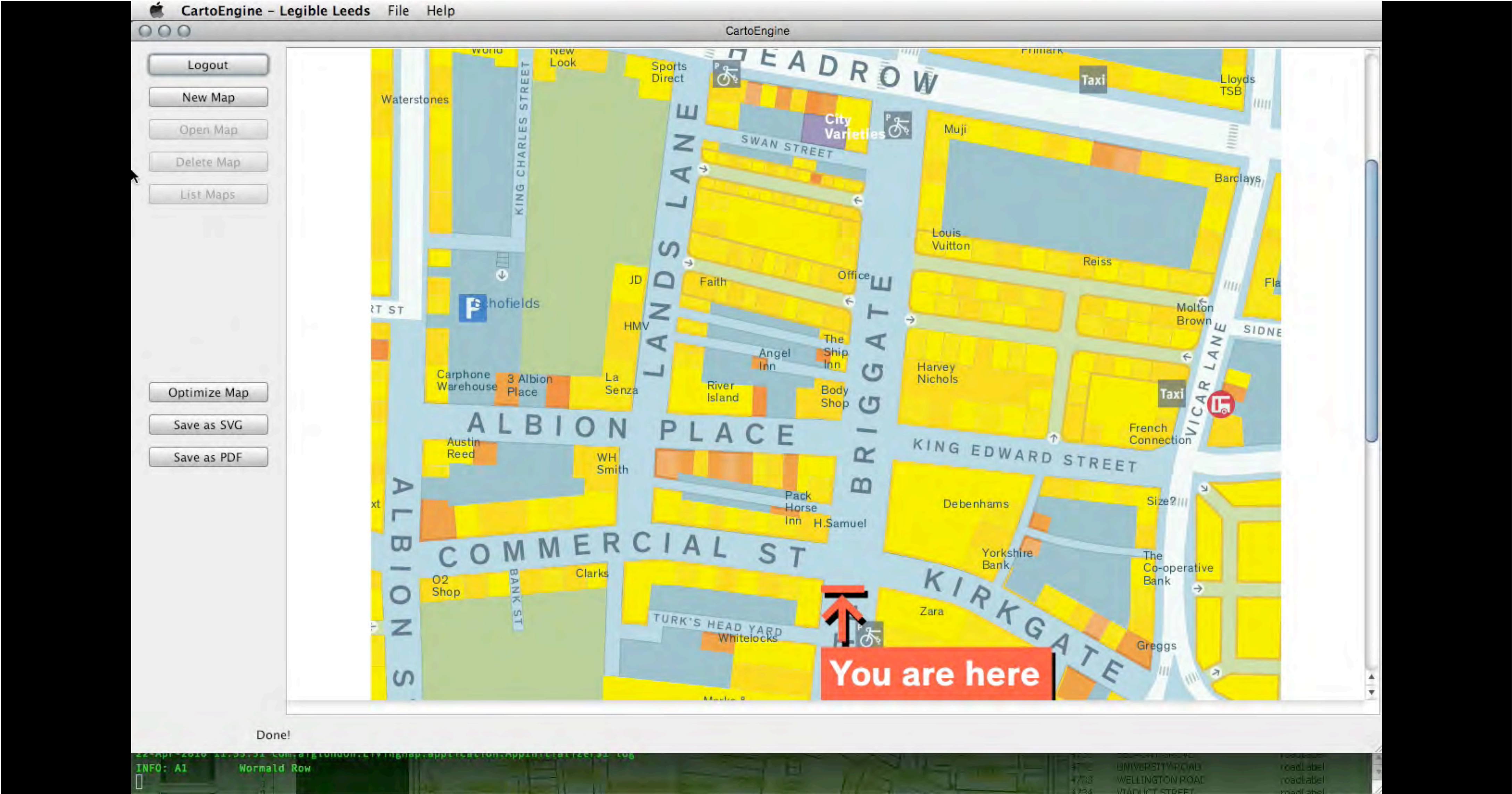
The screenshot displays the LEEDS 100329 v8 - Manifold System interface. The main map area shows a street network with numerous yellow labels. The Assets table on the right lists the following data:

asset...	label	asset_type
4702	BRIGGATE	roadLabel
4703	BRIGGATE	roadLabel
4704	EASTGATE	roadLabel
4705	EASTGATE	roadLabel
4706	REGENT STREET	roadLabel
4707	LANDS LANE	roadLabel
4708	ALBION PLACE	roadLabel
4709	KIRKGATE	roadLabel
4710	COMMERCIAL ST	roadLabel
4711	DUNCAN ST	roadLabel
4712	BOAR LANE	roadLabel
4713	ALBION STREET	roadLabel
4714	BOND ST	roadLabel
4715	ALBION ST	roadLabel
4716	PARK ROW	roadLabel
4717	NEVILLE ST	roadLabel
4718	WADE LANE	roadLabel
4719	THE HEADROW	roadLabel
4720	BACK BLENHEIM TERRACE	roadLabel
4721	BANK ST	roadLabel
4722	QUEEN'S COURT	roadLabel
4723	CHERRY TREE WLK	roadLabel
4724	RIVER	riverLabel
4725	AIRE	riverLabel
4726	NAVIGATION WALK	roadLabel
4727	WELLINGTON STREET	roadLabel
4728	LITTLE NEVILLE ST	roadLabel
4729	DARK NEVILLE STREET	roadLabel
4730	CHORLEY LANE	roadLabel
4731	BELMONT GROVE	roadLabel
4732	UNIVERSITY ROAD	roadLabel
4733	WELLINGTON ROAD	roadLabel
4734	VIADUCT STREET	roadLabel
4735	UNIVERSITY ROAD	roadLabel
4736	BRICK STREET	roadLabel
10000		topography.pavei
10001		topography.pavei
10002		topography.pavei
10003		topography.pavei
10004		topography.pavei
10005		topography.pavei
10006		topography.pavei
10007		topography.pavei
10008		topography.pavei
10009		topography.pavei
10010		topography.pavei

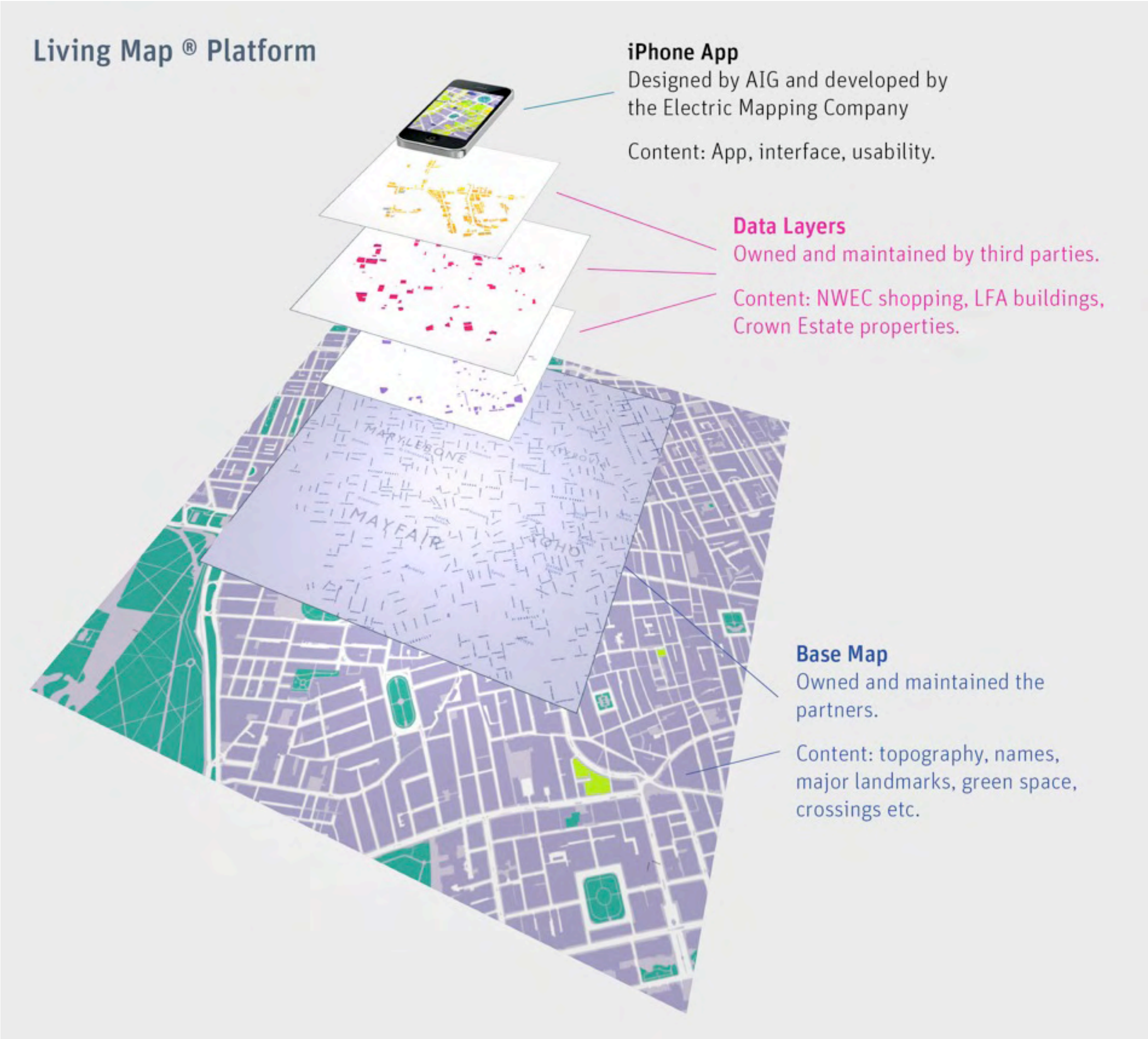
The Project panel on the right shows a tree view with folders: BACKUP, CARTOENGINE, LINUX SERVER, Assets_finder (containing Labels and Assets_finder Table), Sign Positions, App_user, Asset_type_names, Assets, Geometry_columns, Landmark_weightings, STAGING, and Map. Below this, a 'Table' section indicates 14 columns x 6646 records. The 'Layers - [Map]' panel shows a list of layers with checkboxes and opacity settings: Border, T Labels (50%), T Labels 2 (80%), Sign Positions (100%), Assets_finder (50%), and Background.

Database

Output of updated map



Data Control

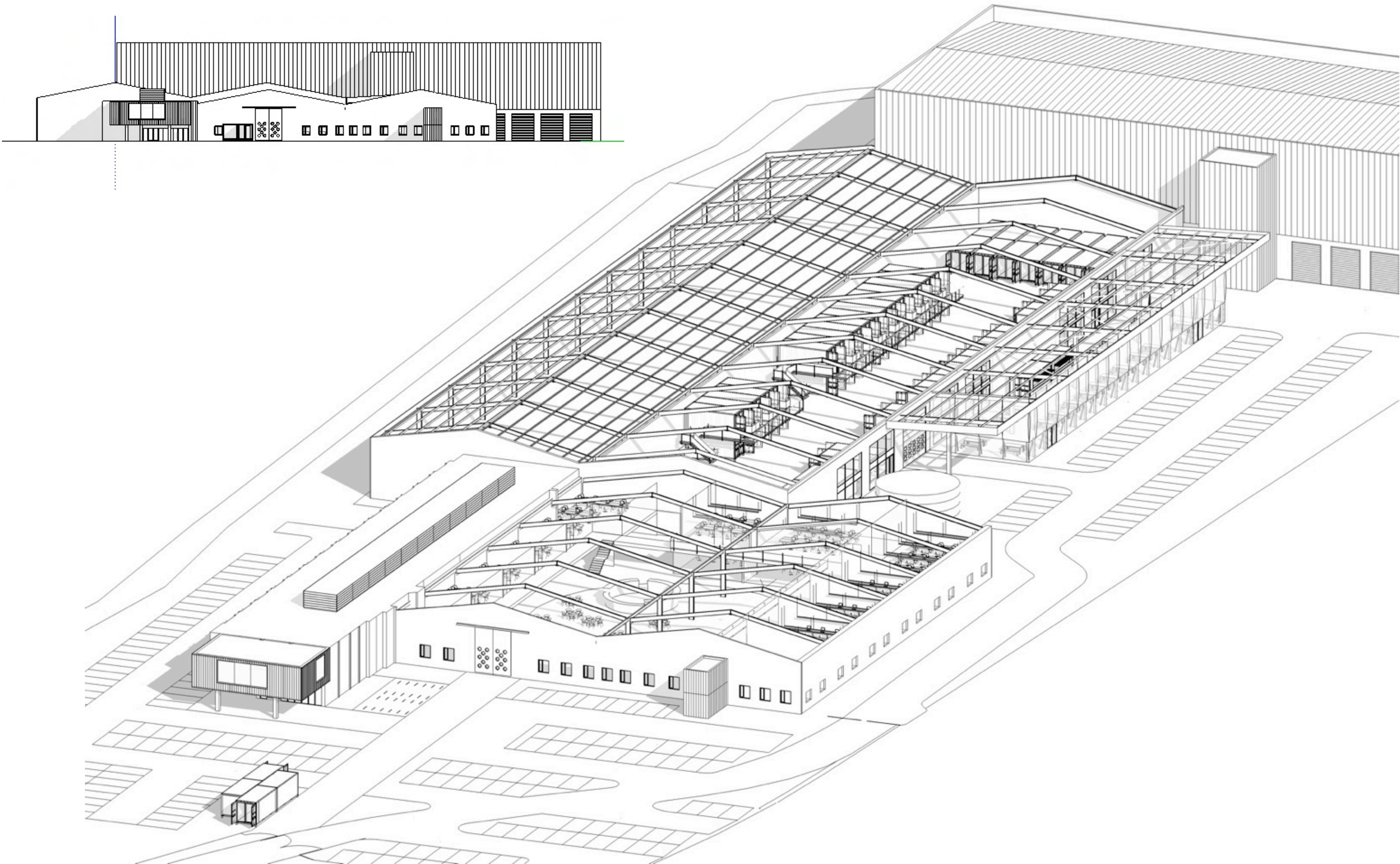


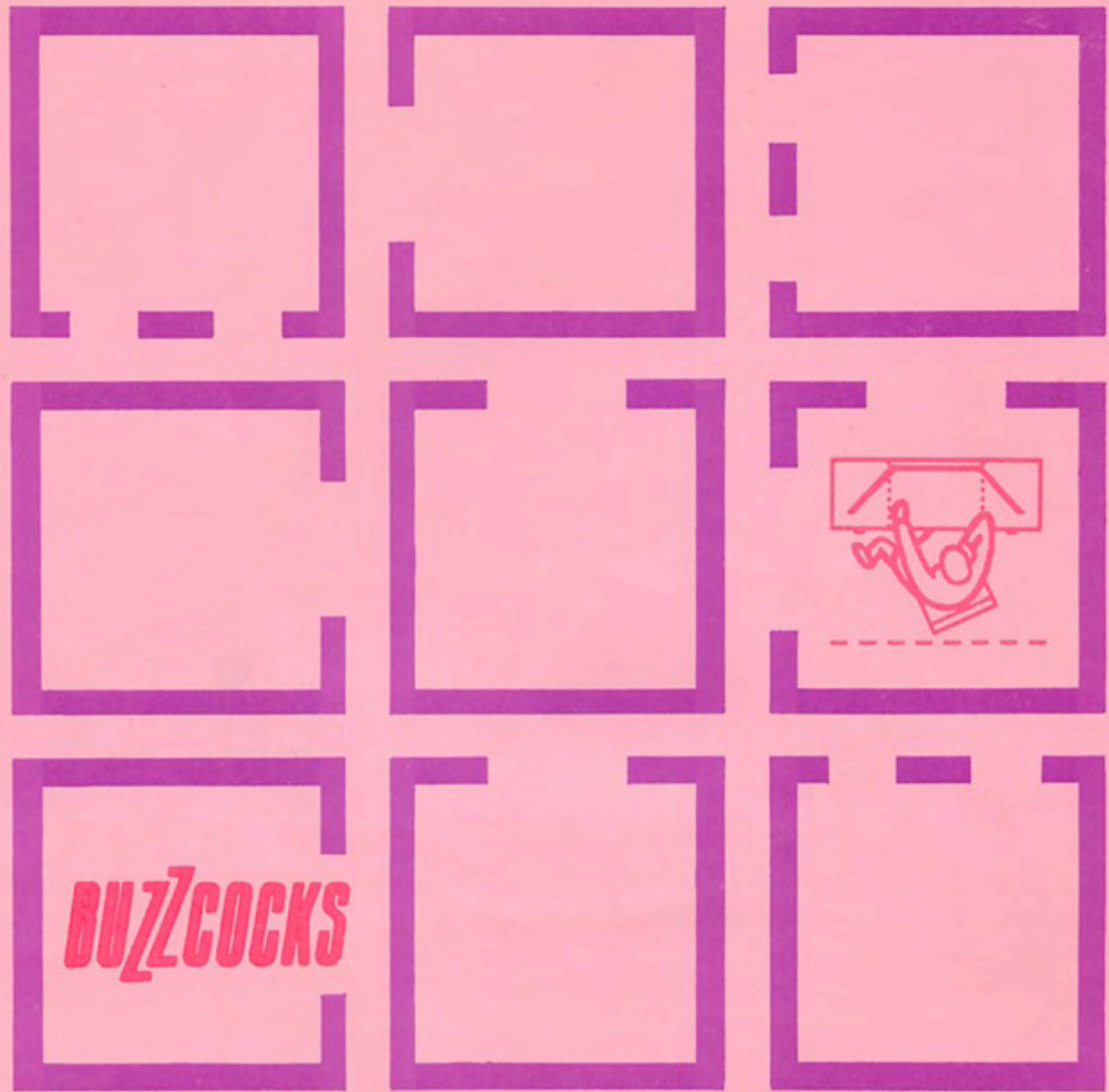
One last thing.



SHARP

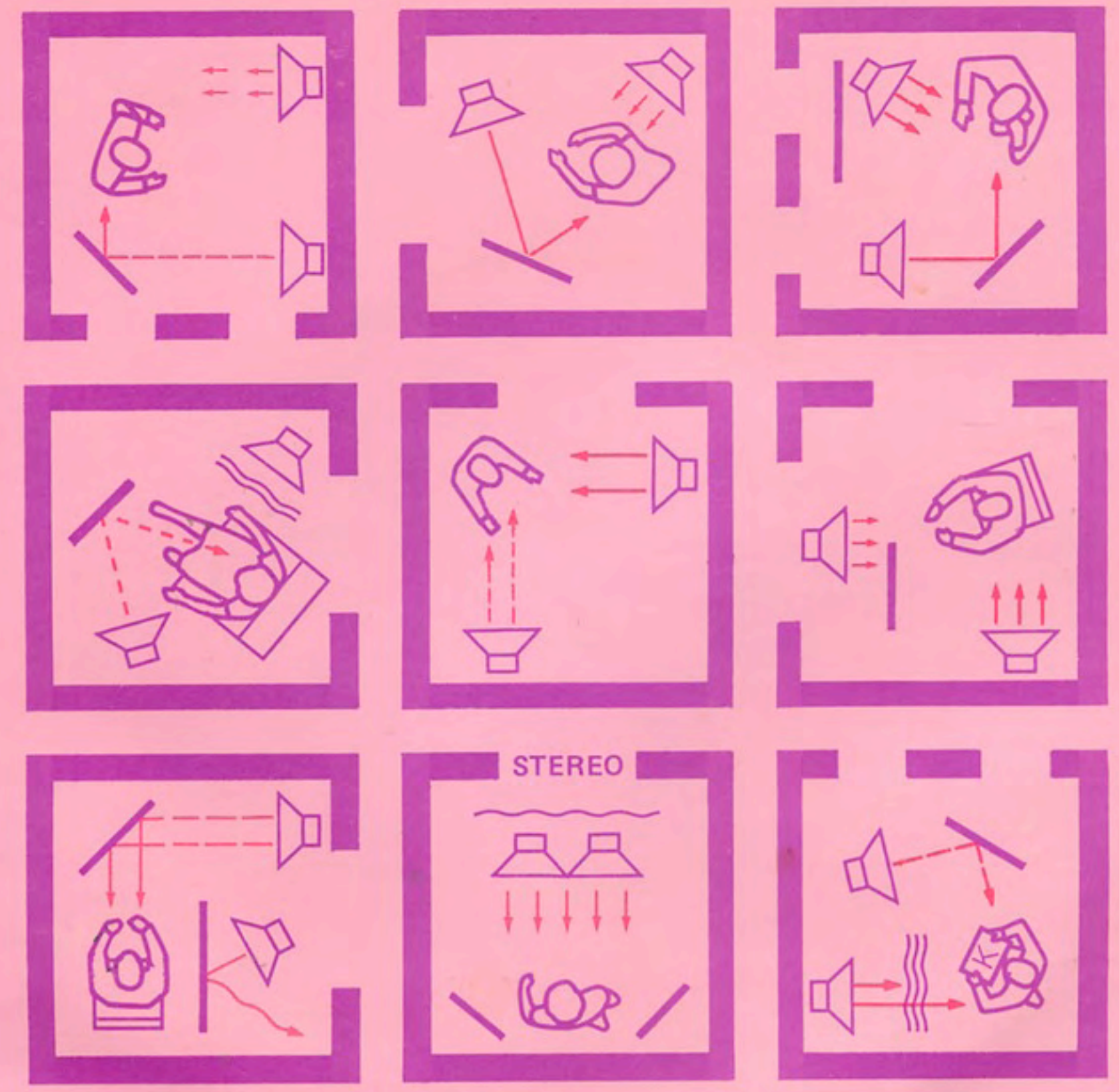
S





UP 36433: LOVE YOU MORE

AURICULAR IMAGES



UP 36433: NOISE ANNOYS

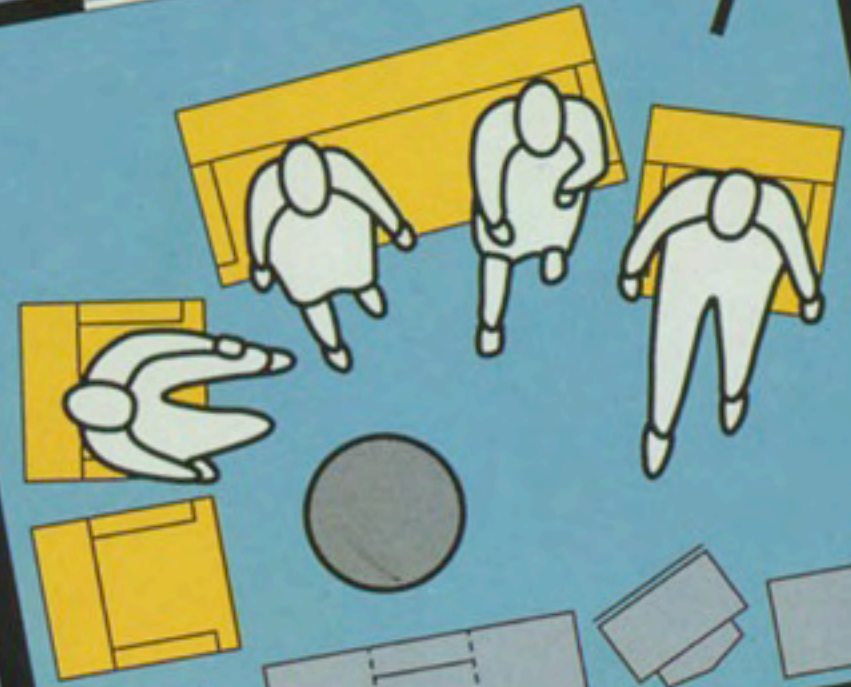
W
© 1970 AMPS INC.

BUZZCOCKS

live at the

hammersmith odeon

march 1979



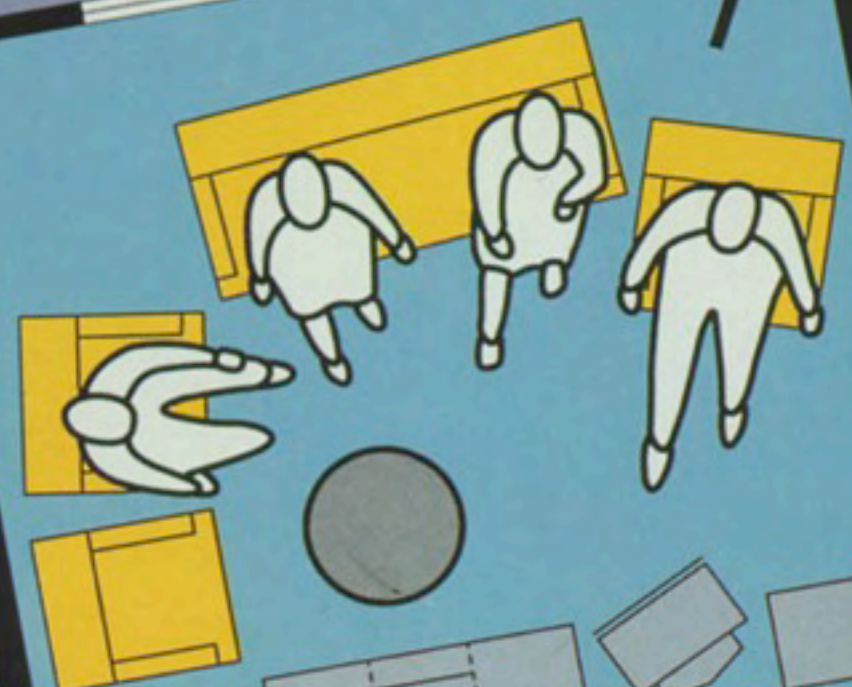
entertaining friends

BUZZCOCKS

live at the

hammersmith odeon

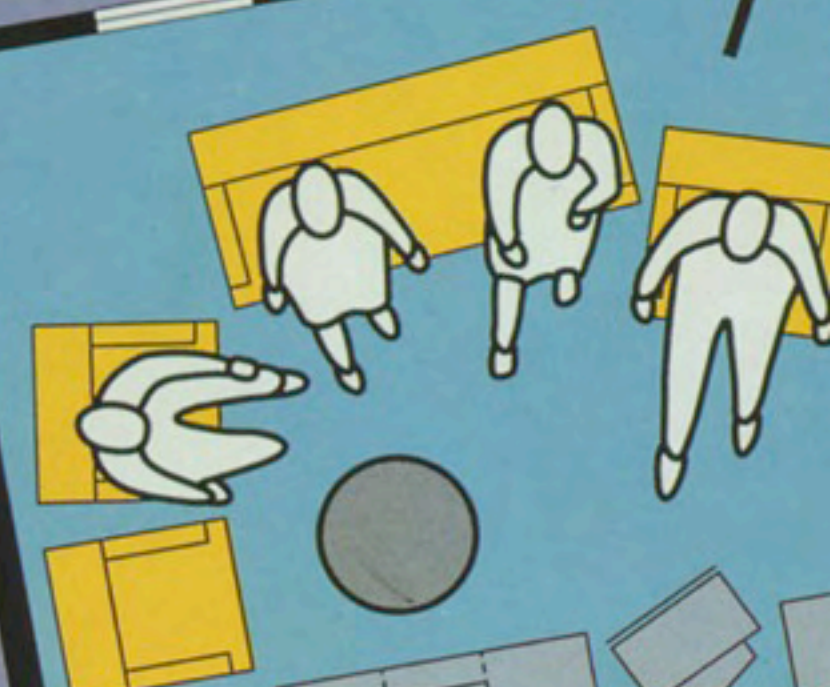
march 1979



entertaining friends

BUZZCOCKS

live at the



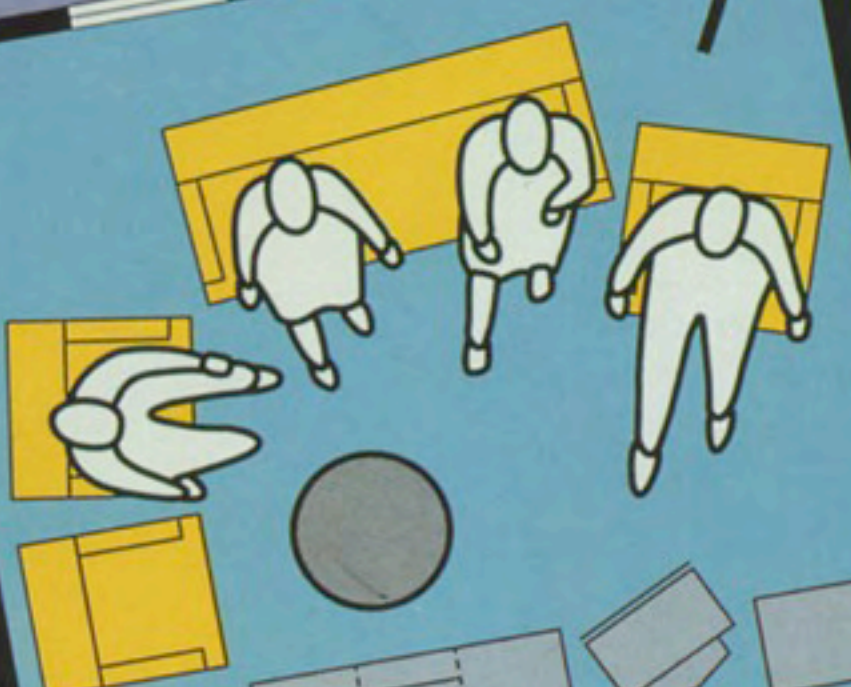
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BUZZCOCKS

live at the

hammersmith odeon

march 1979



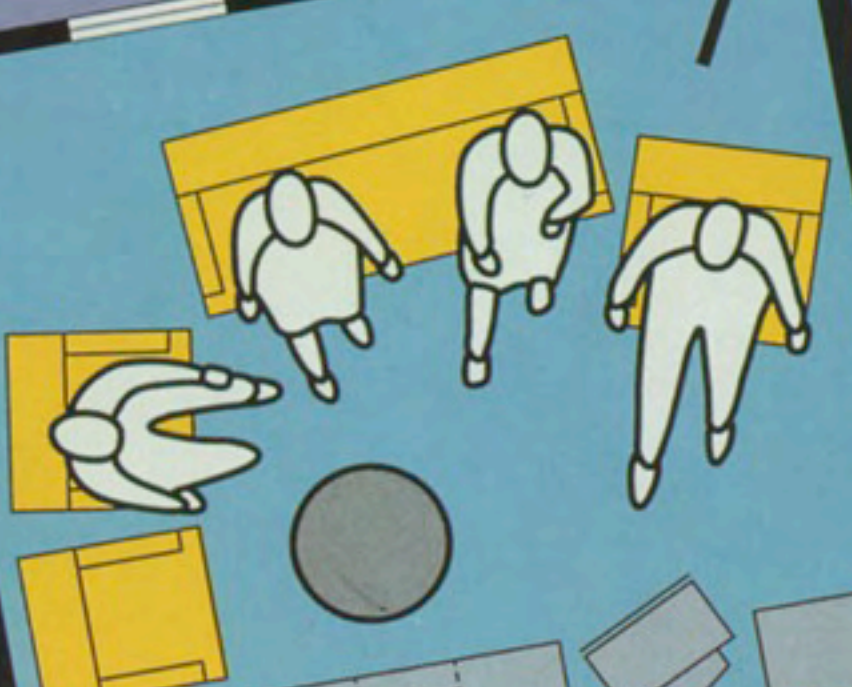
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BUZZCOCKS

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hammersmith odeon

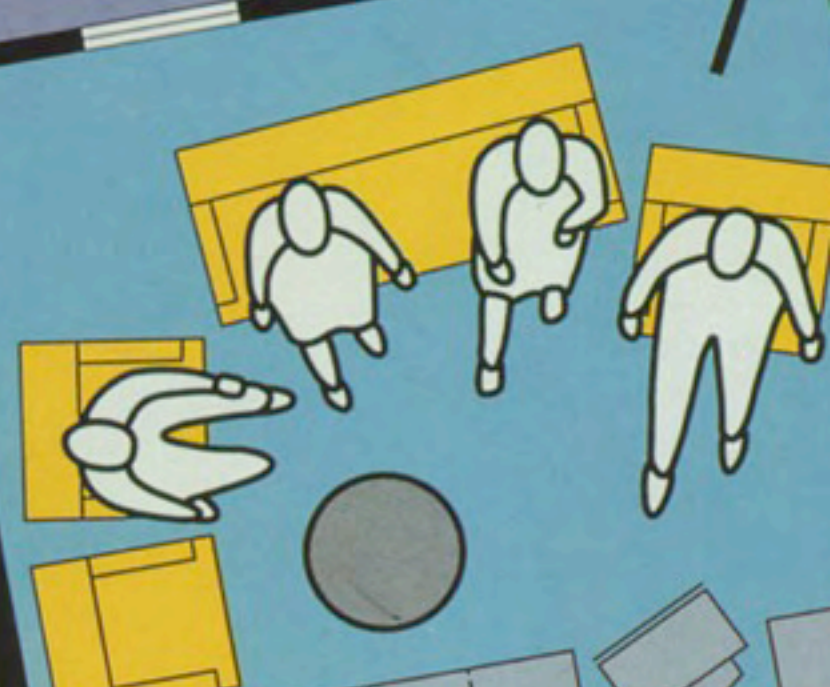
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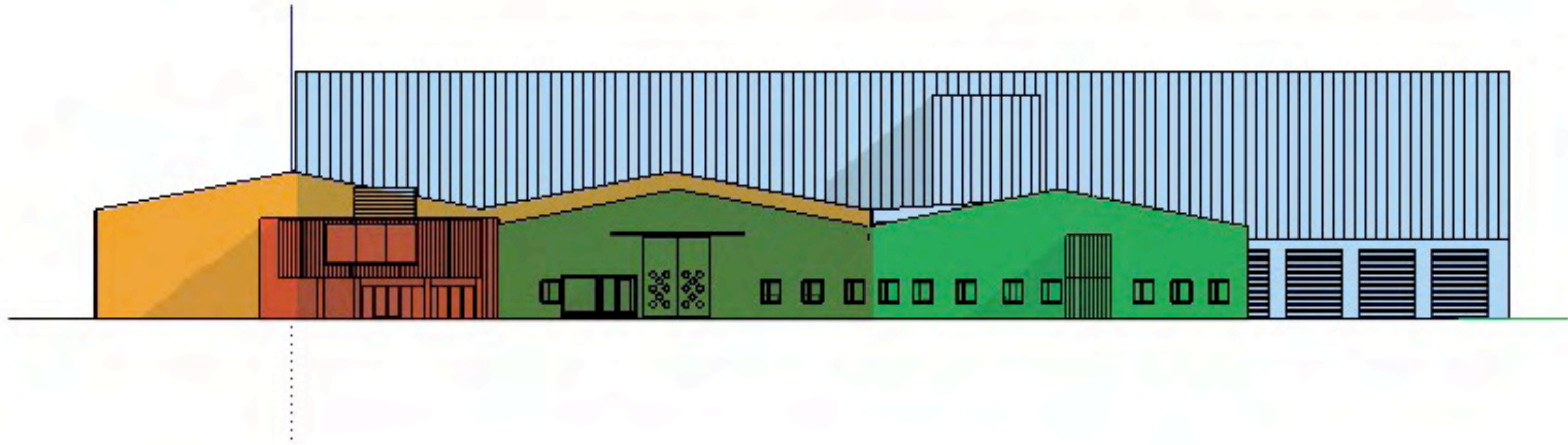
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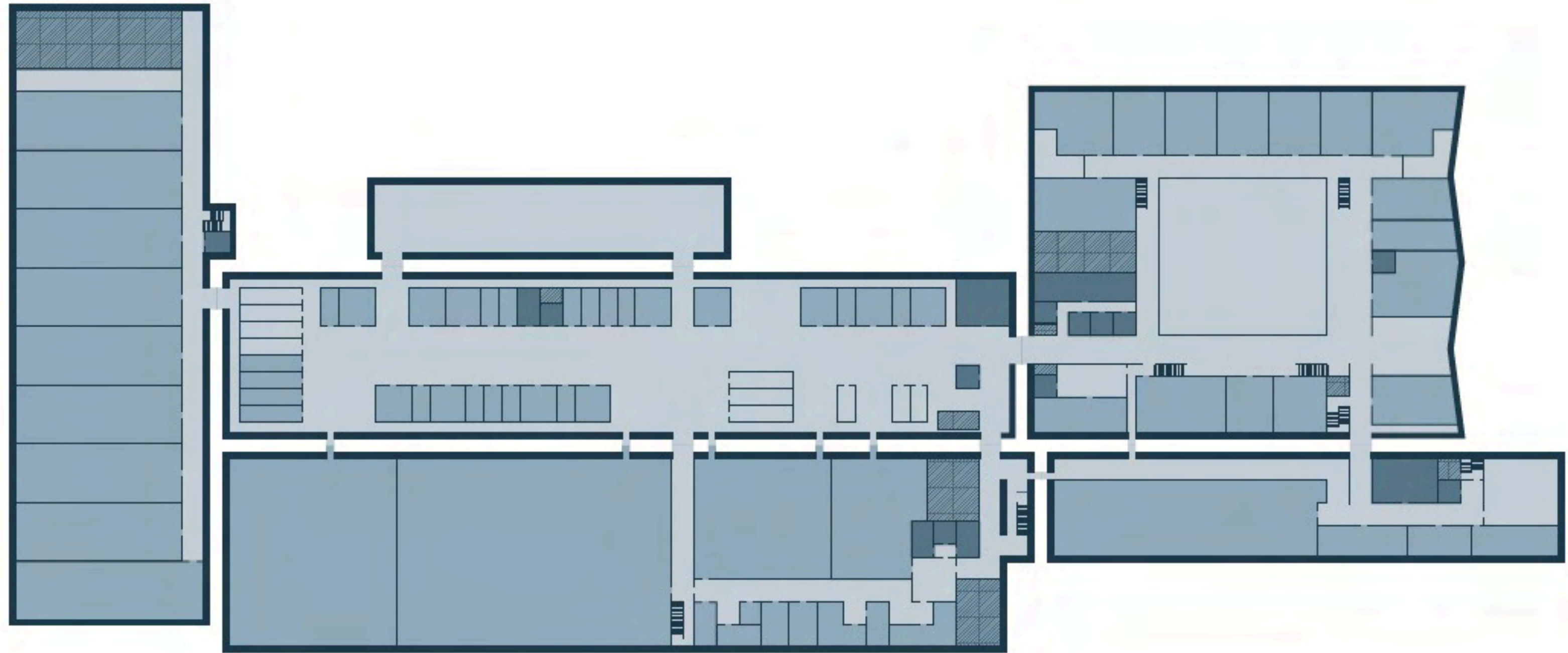
live at the



entertaining friends

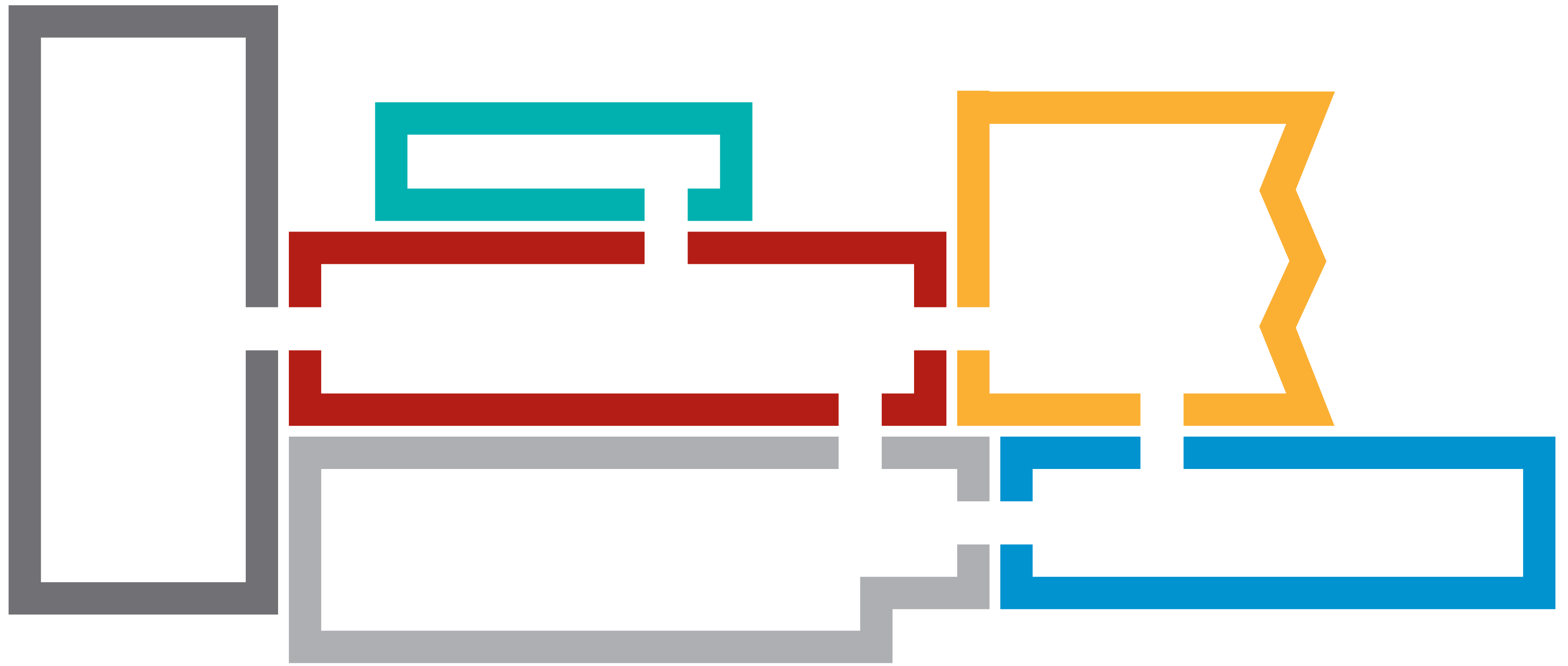




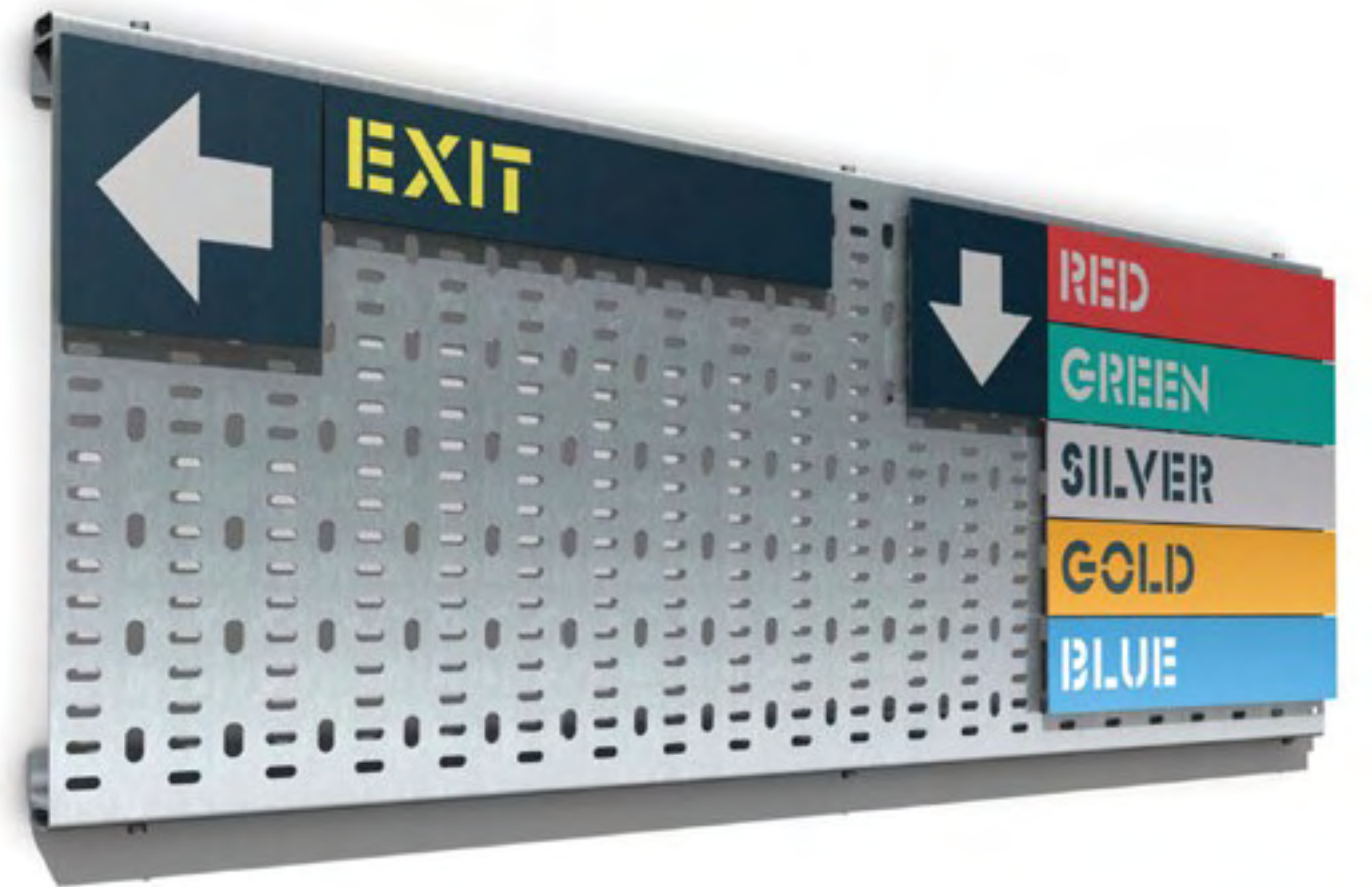








THE **SHEFF** PROJECT



Thank you.

