

Key

- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Route I
- Route J

ARUP

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 www.arup.com

Client
 Barratt Homes
 Taylor Wimpey, and
 Persimmon Homes

Job Title
 Waterfront
 Barry

Drawing Title
 Strategic Routes

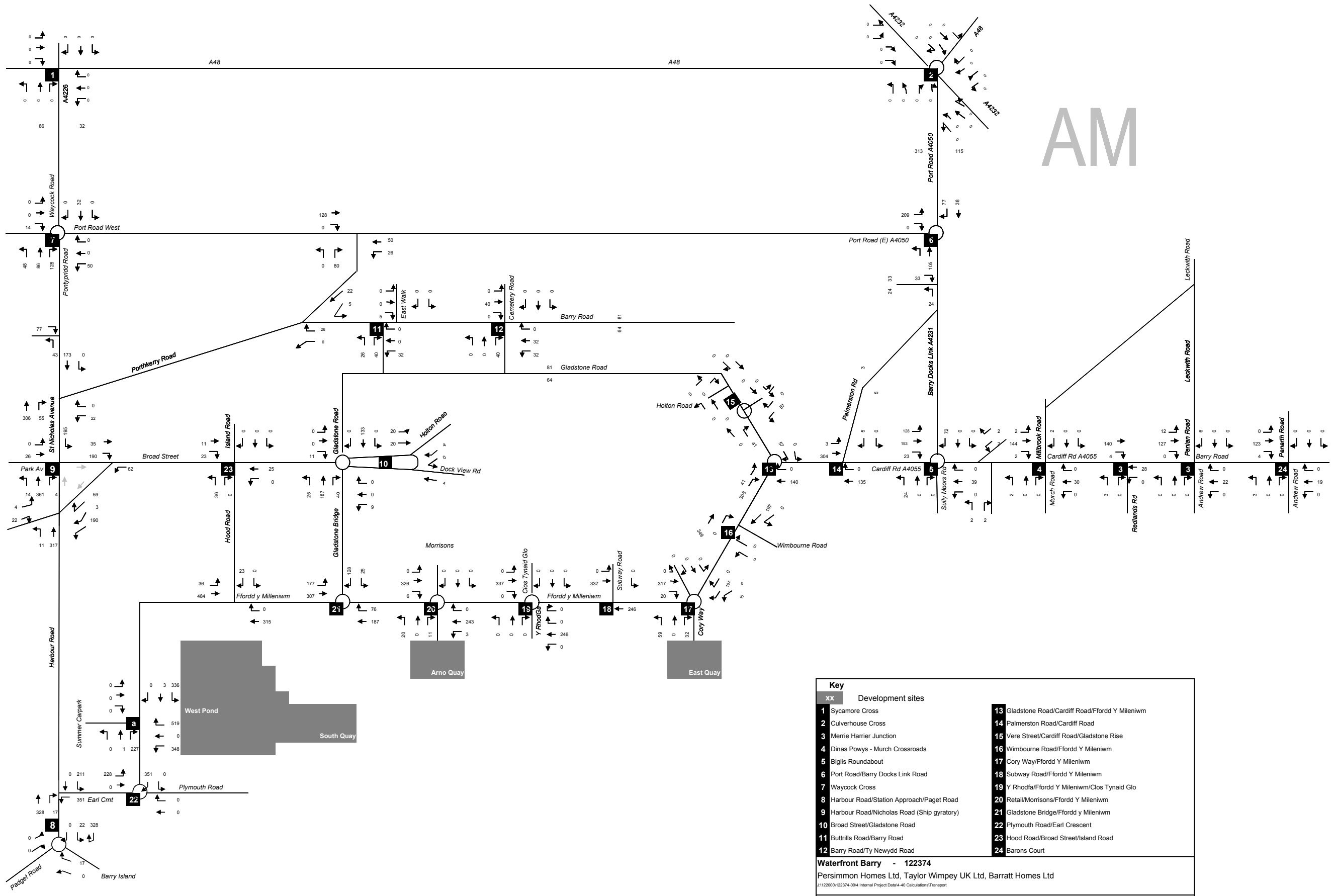
Scale at A3

Plot ID

Drawing Status

Job No 122374	Drawing No Figure 6.1	Issue
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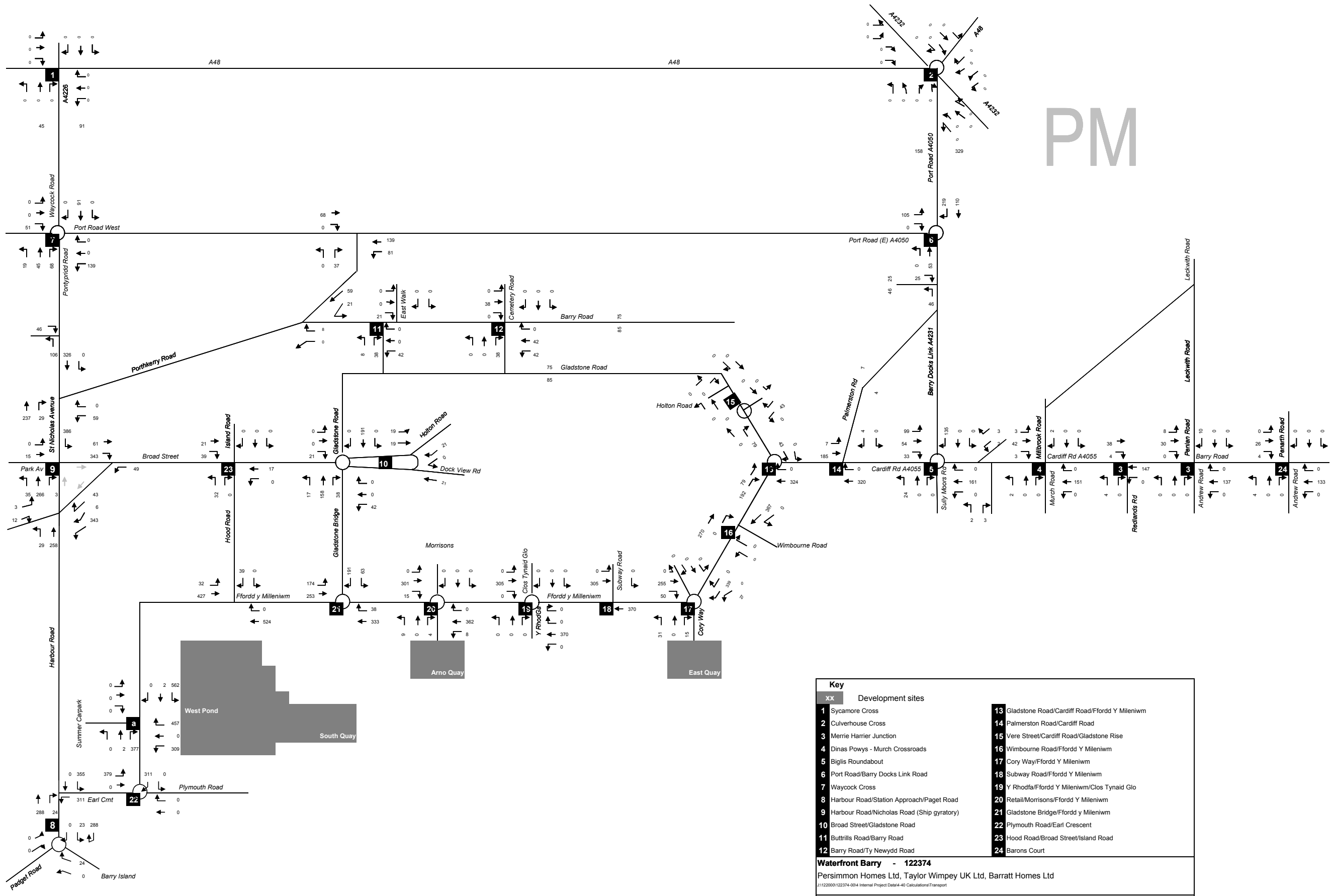
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Key	
xx	Development sites
1	Sycamore Cross
2	Culverhouse Cross
3	Merrie Harrier Junction
4	Dinas Powys - Murch Crossroads
5	Biglis Roundabout
6	Port Road/Barry Docks Link Road
7	Waycock Cross
8	Harbour Road/Station Approach/Paget Road
9	Harbour Road/Nicholas Road (Ship gyratory)
10	Broad Street/Gladstone Road
11	Buttrills Road/Barry Road
12	Barry Road/Ty Newydd Road
13	Gladstone Road/Cardiff Road/Ffordd Y Mileniwm
14	Palmerston Road/Cardiff Road
15	Vere Street/Cardiff Road/Gladstone Rise
16	Wimbourne Road/Ffordd Y Mileniwm
17	Cory Way/Ffordd Y Mileniwm
18	Subway Road/Ffordd Y Mileniwm
19	Y Rhodfa/Ffordd Y Mileniwm/Clos Tynaid Glo
20	Retail/Morrisons/Ffordd Y Mileniwm
21	Gladstone Bridge/Ffordd Y Mileniwm
22	Plymouth Road/Earl Crescent
23	Hood Road/Broad Street/Island Road
24	Barons Court

Waterfront Barry - 122374
 Persimmon Homes Ltd, Taylor Wimpey UK Ltd, Barratt Homes Ltd
11/12/2000/122374-004 Internal Project Data/4-40 Calculations/Transport/Junction Assessments/IssueRevA

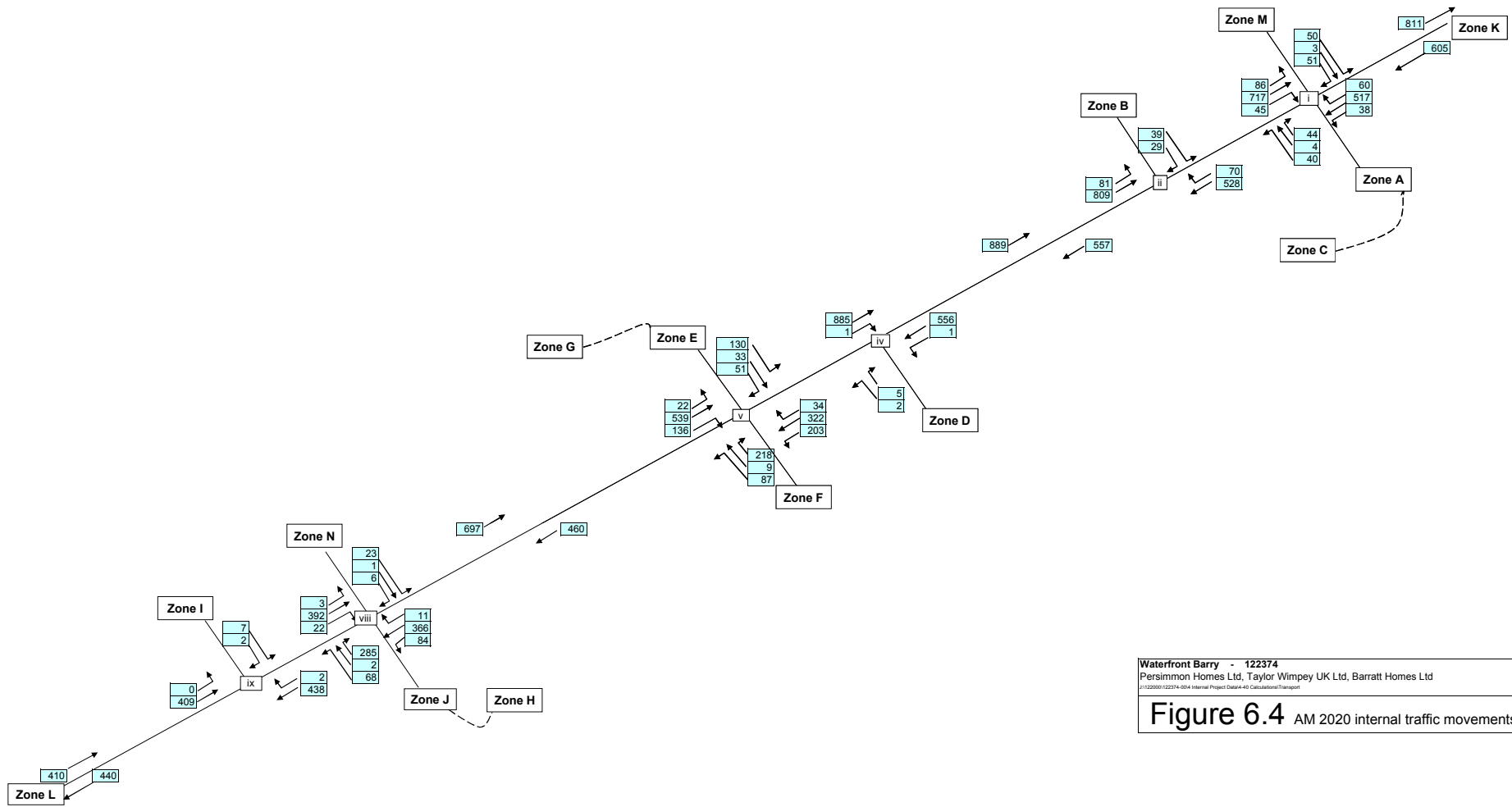
Figure 6.2 Development traffic distribution AM



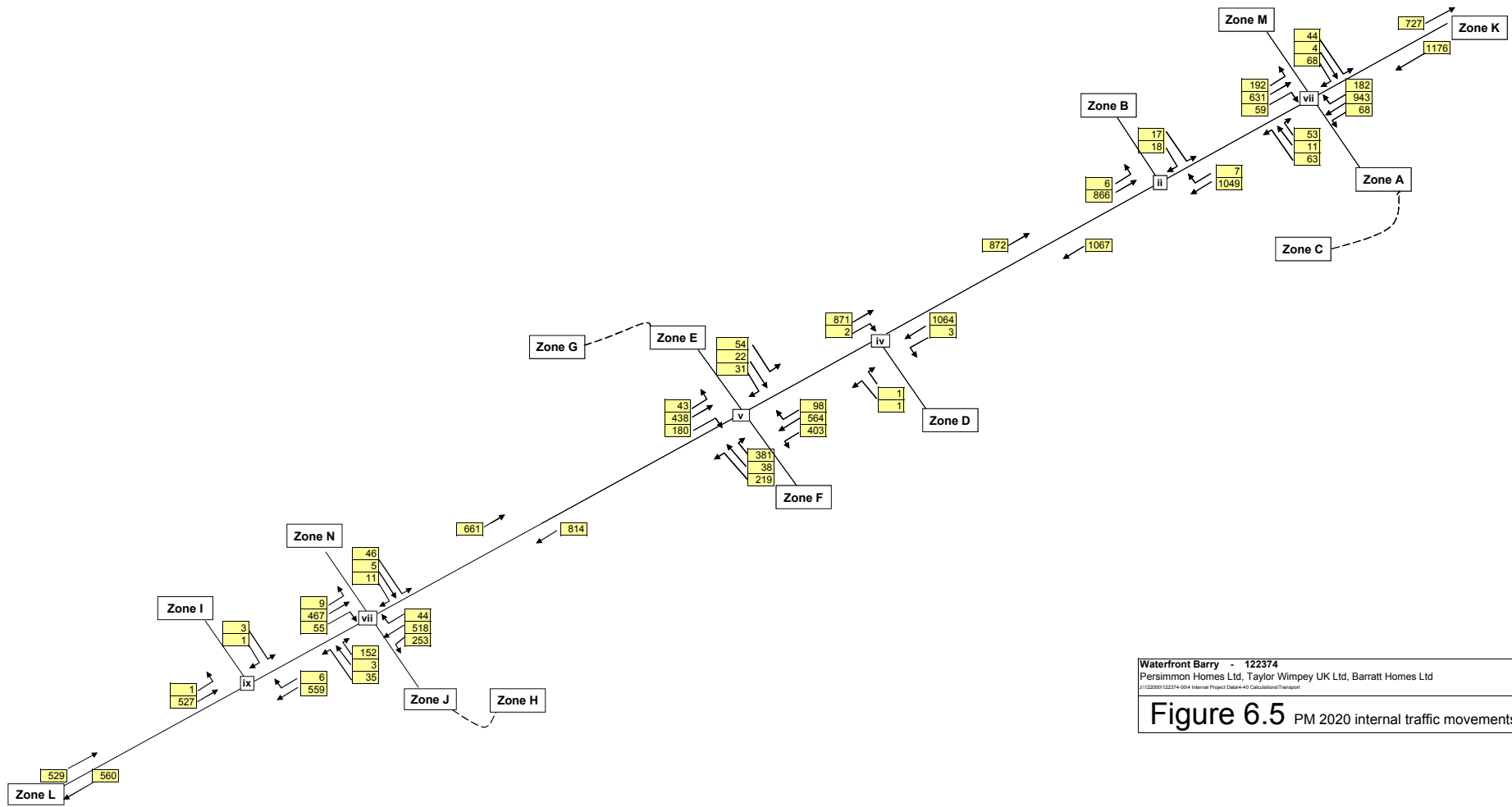
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Waterfront Barry - 122374
 Persimmon Homes Ltd, Taylor Wimpey UK Ltd, Barratt Homes Ltd
11/22000/122374-004 Internal Project Data-40 Calculations/Transport

Figure 6.3 Development traffic distribution PM



Waterfront Barry - 122374
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 j:\1220001\122374-004 Internal Project Data\4-10 Calculational\Transport
Figure 6.4 AM 2020 internal traffic movements



Waterfront Barry - 122374
 Persimmon Homes Ltd, Taylor Wimpey UK Ltd, Barratt Homes Ltd
 j:\1220001\122374-004 Internal Project Data\4-10 Calculational\Transport
Figure 6.5 PM 2020 internal traffic movements



- Key**
- 1 Sycamore Cross
 - 2 Culverhouse Cross
 - 3 Merrie Harrier Junction
 - 4 Dinas Powys - Murch Crossroads
 - 5 Biglis Roundabout
 - 6 Port Road/Barry Docks Link Road
 - 7 Waycock Cross
 - 8 Harbour Road/Station Approach/Paget Road
 - 9 Harbour Road/Nicholas Road (Ship gyratory)
 - 10 Broad Street/Gladstone Road
 - 11 Buttrils Road/Barry Road
 - 12 Barry Road/Ty Newydd Road
 - 13 Gladstone Road/Cardiff Road/Ffordd Y Mileniwm (RA to south of rail line)
 - 14 Palmerston Road/Cardiff Road
 - 15 Vere Street/Hillary Rise/Gladstone Rise
 - 16 Wimbourne Road/Ffordd Y Mileniwm
 - 17 Cory Way/Ffordd Y Mileniwm
 - 18 Subway Road/Ffordd Y Mileniwm
 - 19 Y Rhodfa/Ffordd Y Mileniwm/Clos Tynaid Glo
 - 20 Retail/Morrisons/Ffordd Y Mileniwm
 - 21 Gladstone Bridge/Ffordd Y Mileniwm
 - 22 Plymouth Road/Earl Crescent
 - 23 Hood Road/Broad Street/Island Road
 - 24 Barons Court

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Barratt Homes
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Persimmon Homes

Job Title
Waterfront
Barry

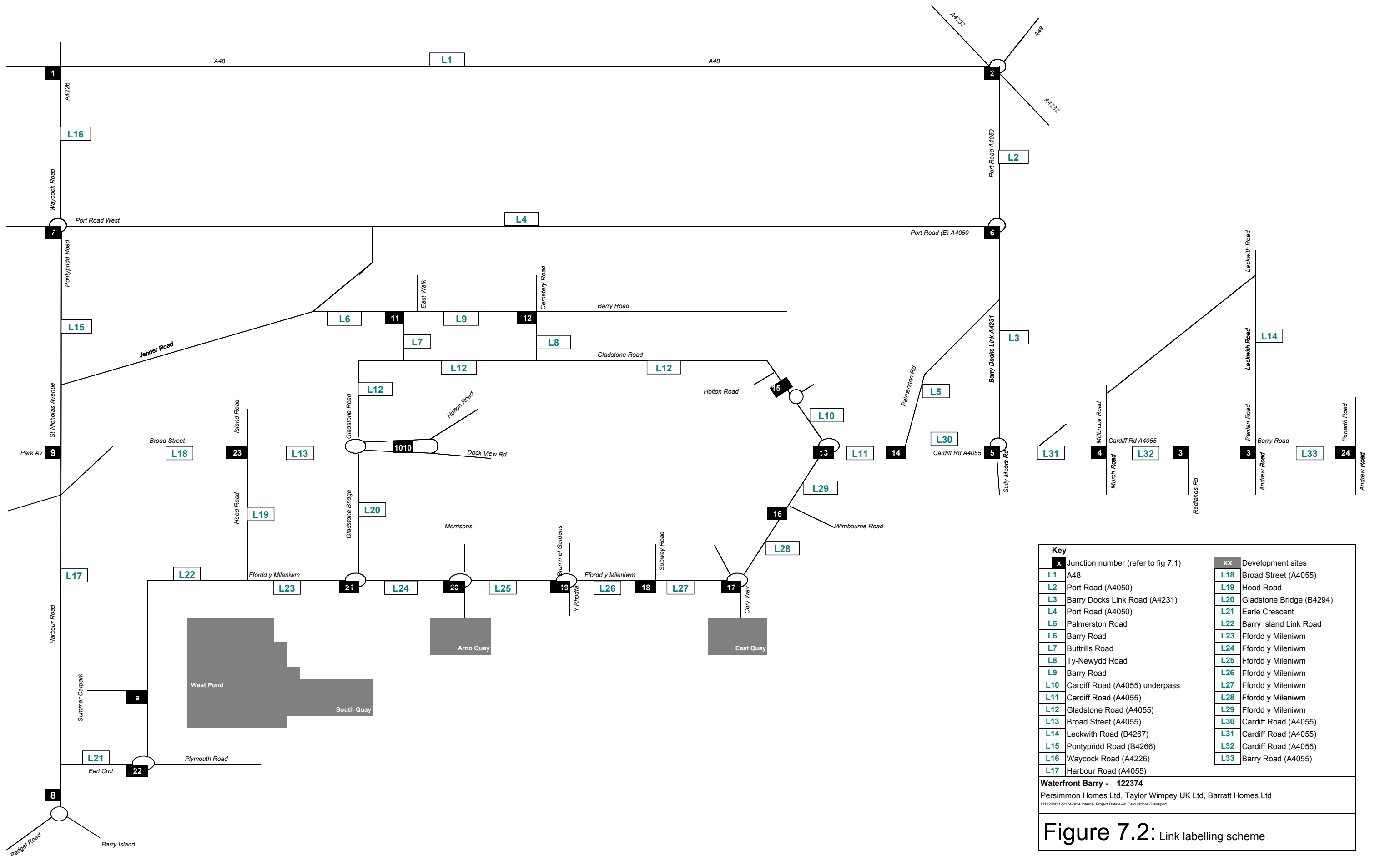
Drawing Title
Junction Locations

Scale at A3

Plot ID

Drawing Status

Job No 122374	Drawing No Figure 7.1	Issue
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Key	
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L1	A48
L2	Port Road (A4050)
L3	Barry Docks Link Road (A4231)
L4	Port Road (A4050)
L5	Palmerston Road
L6	Barry Road
L7	Buttrills Road
L8	Ty-Newydd Road
L9	Barry Road
L10	Cardiff Road (A4055) underpass
L11	Cardiff Road (A4055)
L12	Gladstone Road (A4055)
L13	Broad Street (A4055)
L14	Leckwith Road (B4267)
L15	Pontypridd Road (B4266)
L16	Waycock Road (A4226)
L17	Harbour Road (A4055)
xx	Development sites
L18	Broad Street (A4055)
L19	Hood Road
L20	Gladstone Bridge (B4294)
L21	Earle Crescent
L22	Barry Island Link Road
L23	Ffordd y Mileniwm
L24	Ffordd y Mileniwm
L25	Ffordd y Mileniwm
L26	Ffordd y Mileniwm
L27	Ffordd y Mileniwm
L28	Ffordd y Mileniwm
L29	Ffordd y Mileniwm
L30	Cardiff Road (A4055)
L31	Cardiff Road (A4055)
L32	Cardiff Road (A4055)
L33	Barry Road (A4055)

Waterfront Barry - 122374
 Persimmon Homes Ltd, Taylor Wimpey UK Ltd, Barratt Homes Ltd
J:\122000\122374-004 Internal Project Data\4-40 Calculations\Transport LinkCapacityRevA.xls : Labelling

Figure 7.2: Link labelling scheme

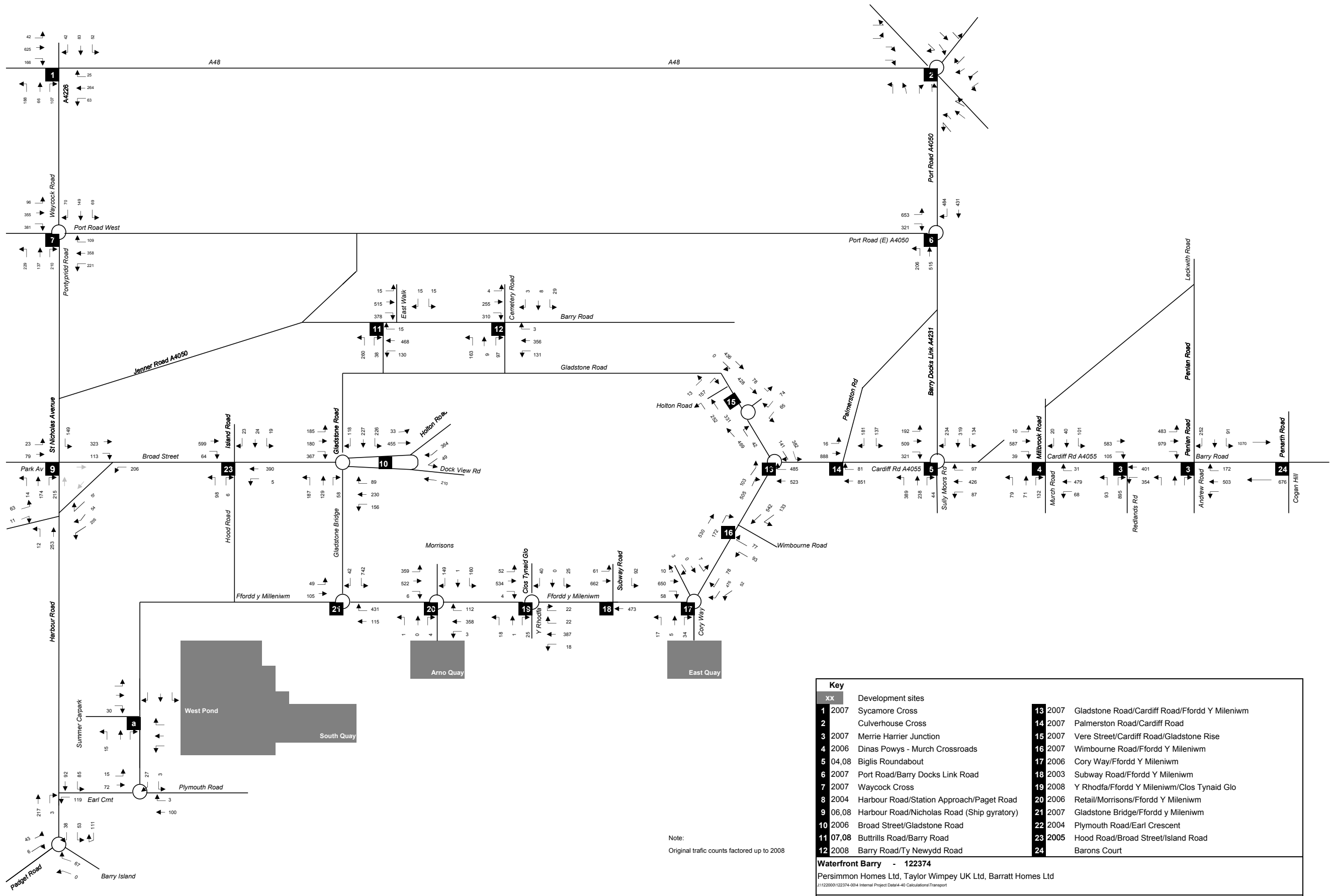
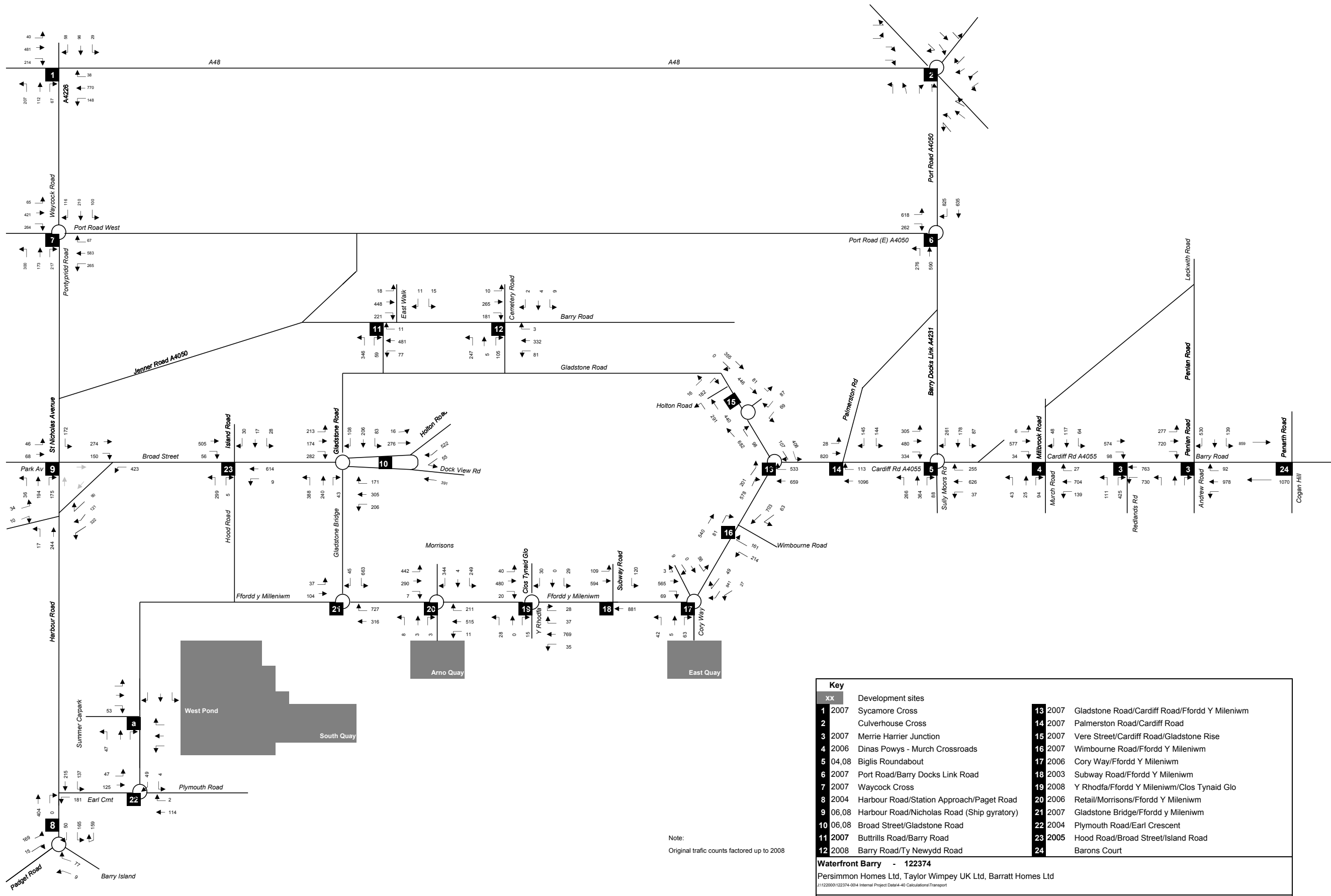


Figure 7.3 AM Existing traffic flows



Note:
Original traffic counts factored up to 2008

Figure 7.4 PM Existing traffic flows

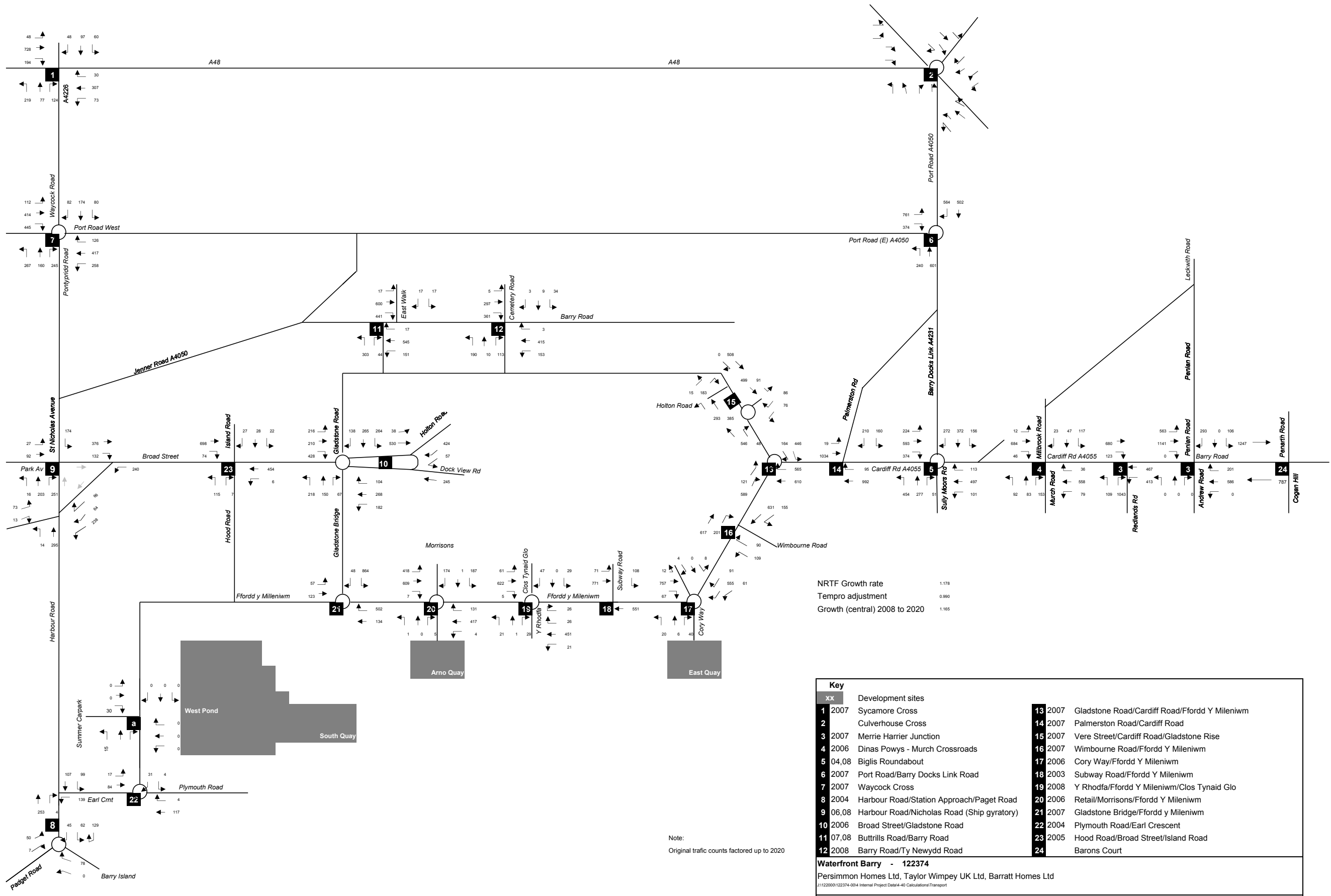


Figure 7.5 AM 2020 Base traffic

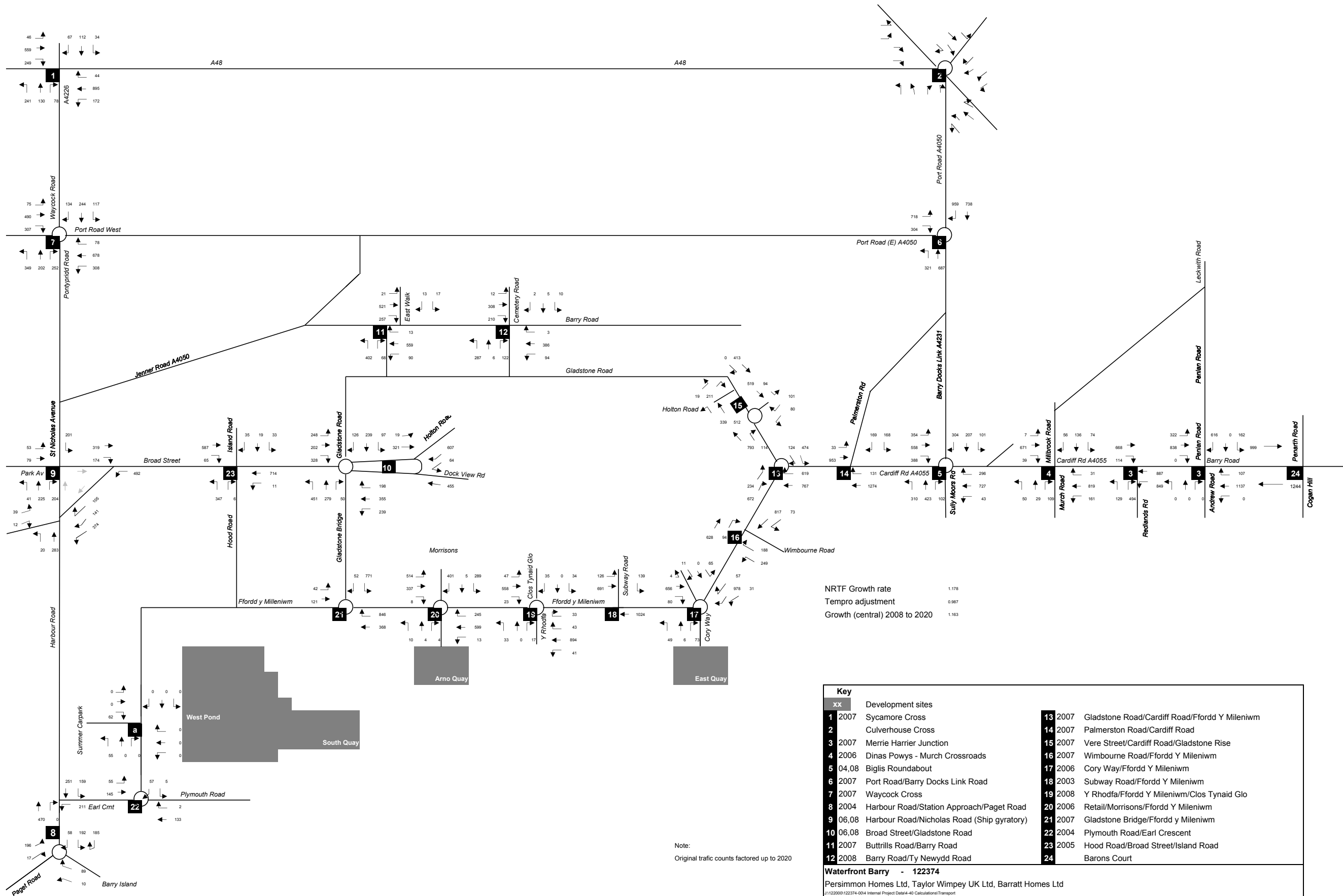
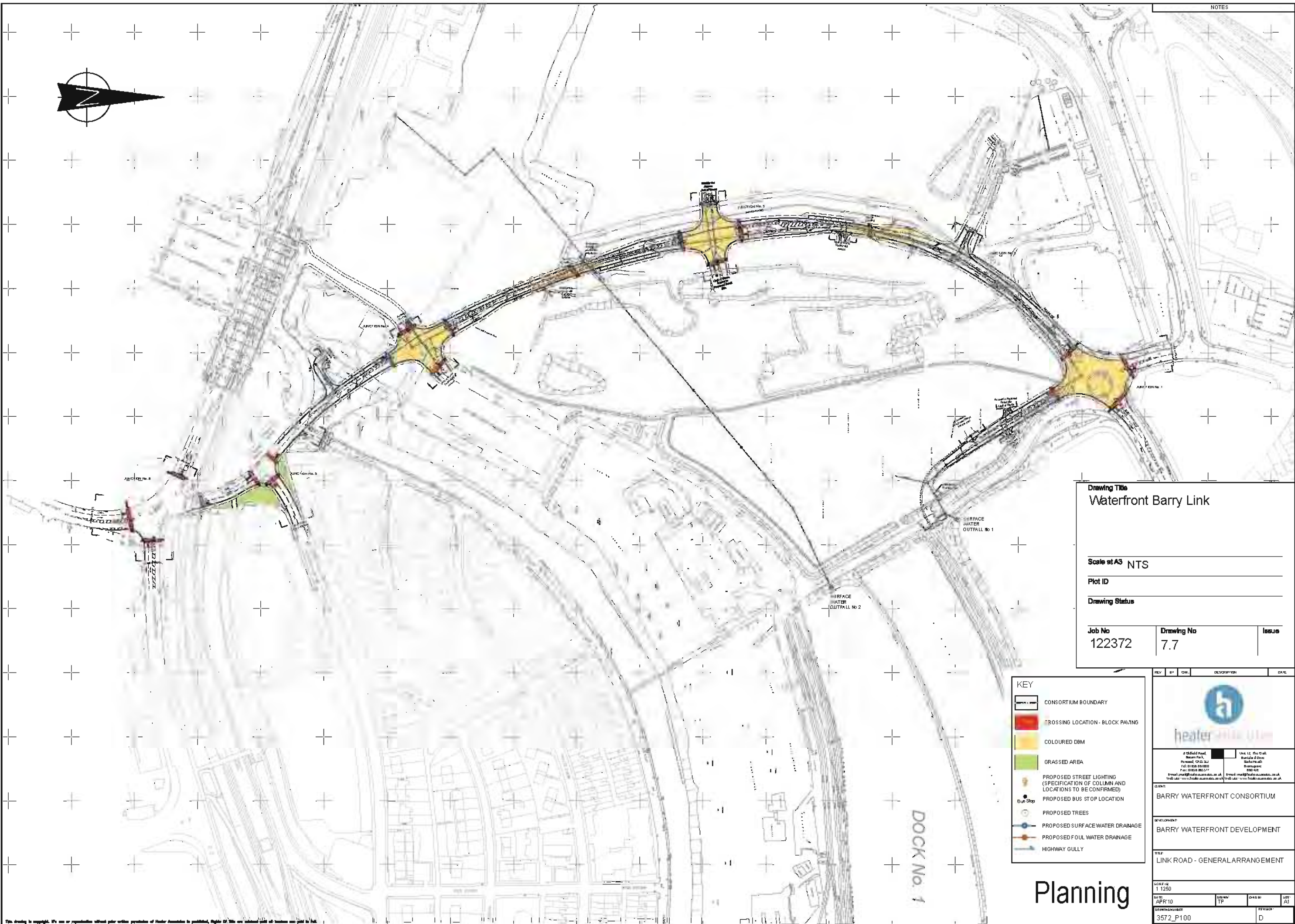
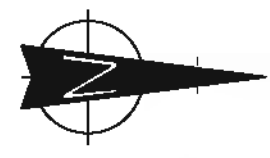


Figure 7.6 PM 2020 Base traffic



Drawing Title
Waterfront Barry Link

Scale at A3 NTS

Plot ID

Drawing Status

Job No 122372	Drawing No 7.7	Issue
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KEY

- CONSORTIUM BOUNDARY
- CROSSING LOCATION - BLOCK PAVING
- COLOURED DBM
- GRASSED AREA
- PROPOSED STREET LIGHTING (SPECIFICATION OF COLUMN AND LOCATIONS TO BE CONFIRMED)
- PROPOSED BUS STOP LOCATION
- PROPOSED TREES
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL WATER DRAINAGE
- HIGHWAY GULLY

CLIENT
BARRY WATERFRONT CONSORTIUM

DEVELOPMENT
BARRY WATERFRONT DEVELOPMENT

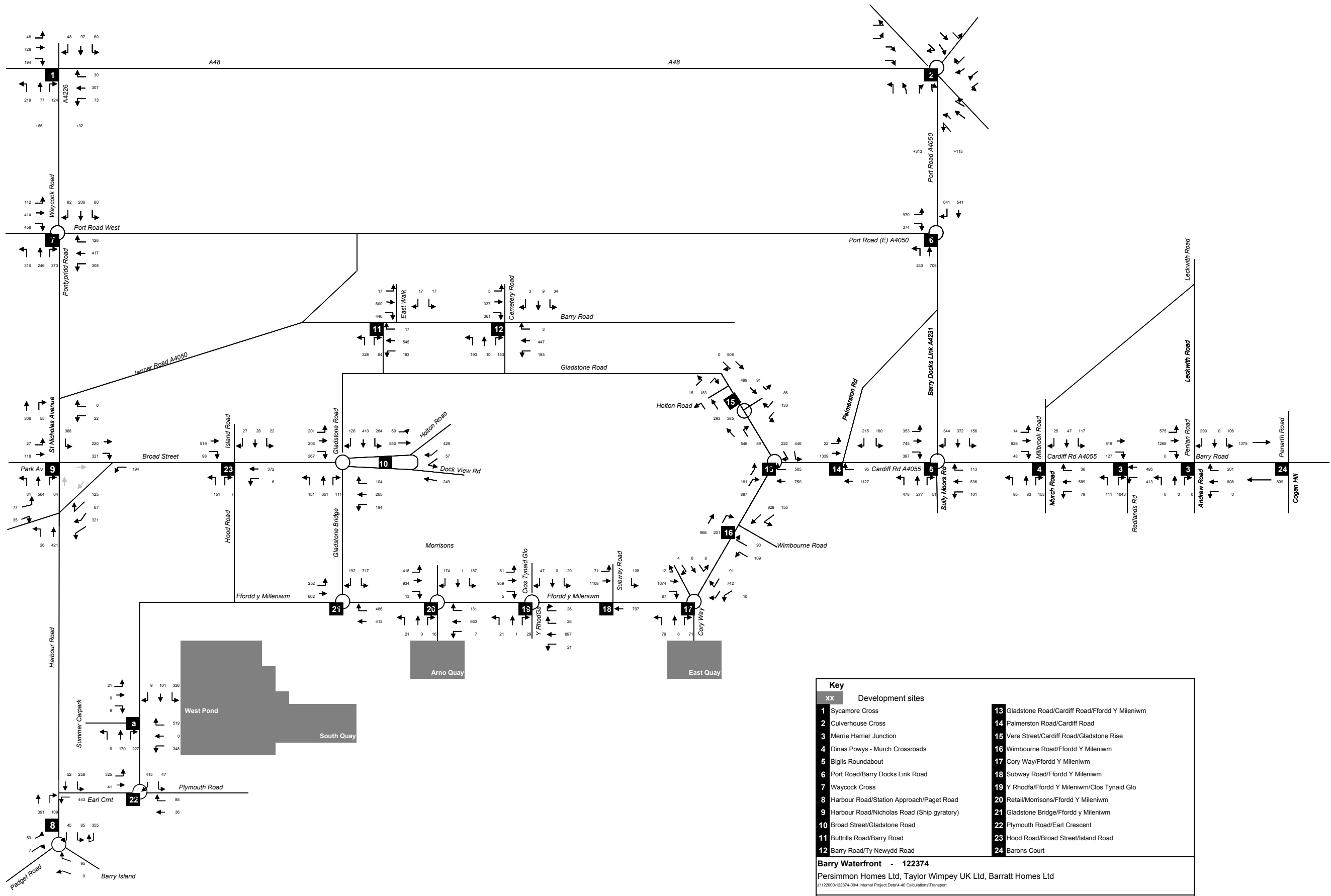
TITLE
LINK ROAD - GENERAL ARRANGEMENT

SCALE
1:1250

DATE APR 10	DRAWN TP	CHECKED	APP'D AT
DRAWING NUMBER 3572_F100	REVISION	DATE D	

Planning

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Barry Waterfront - 122374
 Persimmon Homes Ltd, Taylor Wimpey UK Ltd, Barratt Homes Ltd
11/220000/122374-004 Internal Project Data/4-40 Calculations/Transport

Figure 7.8 AM Development situation traffic