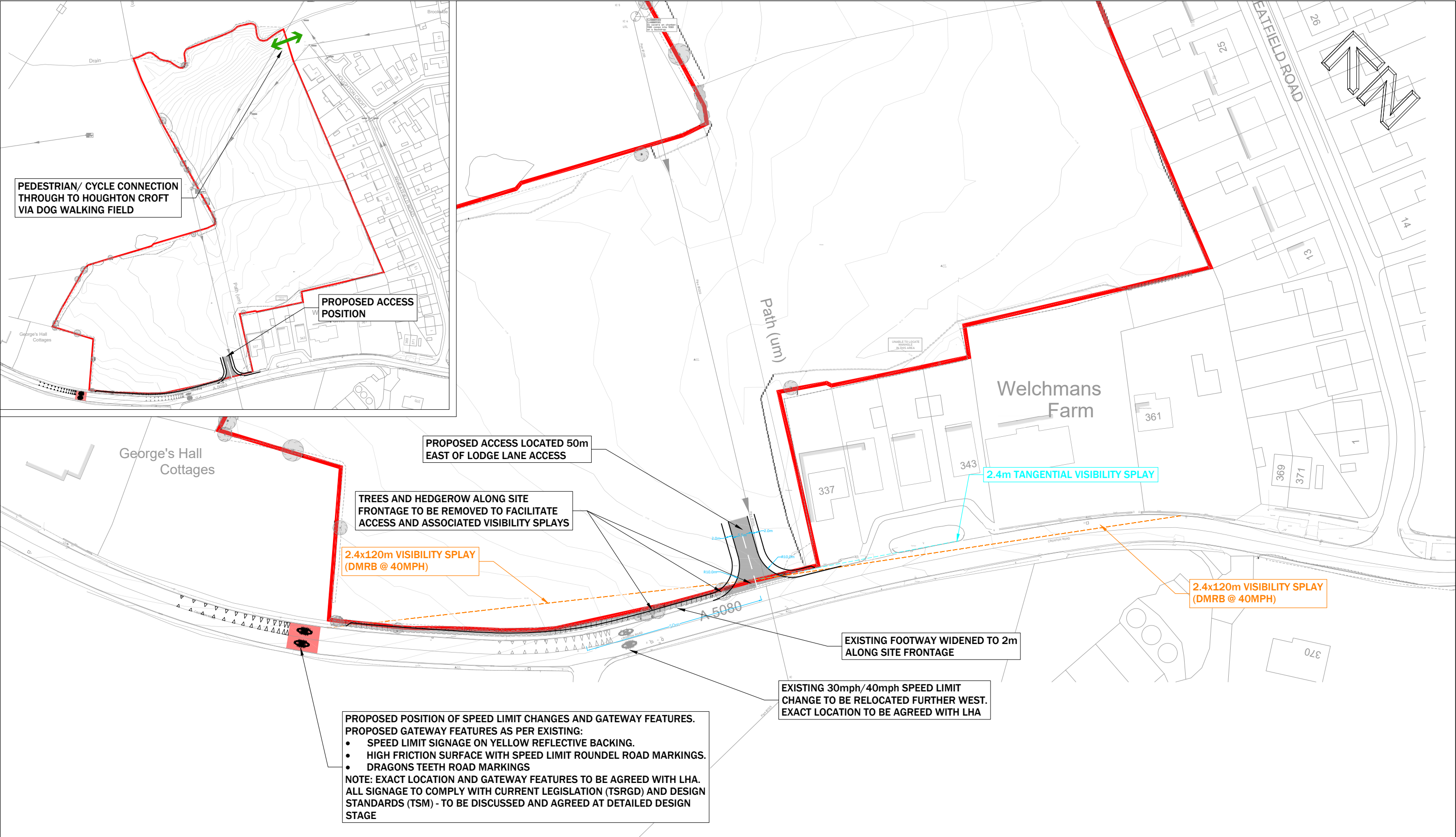
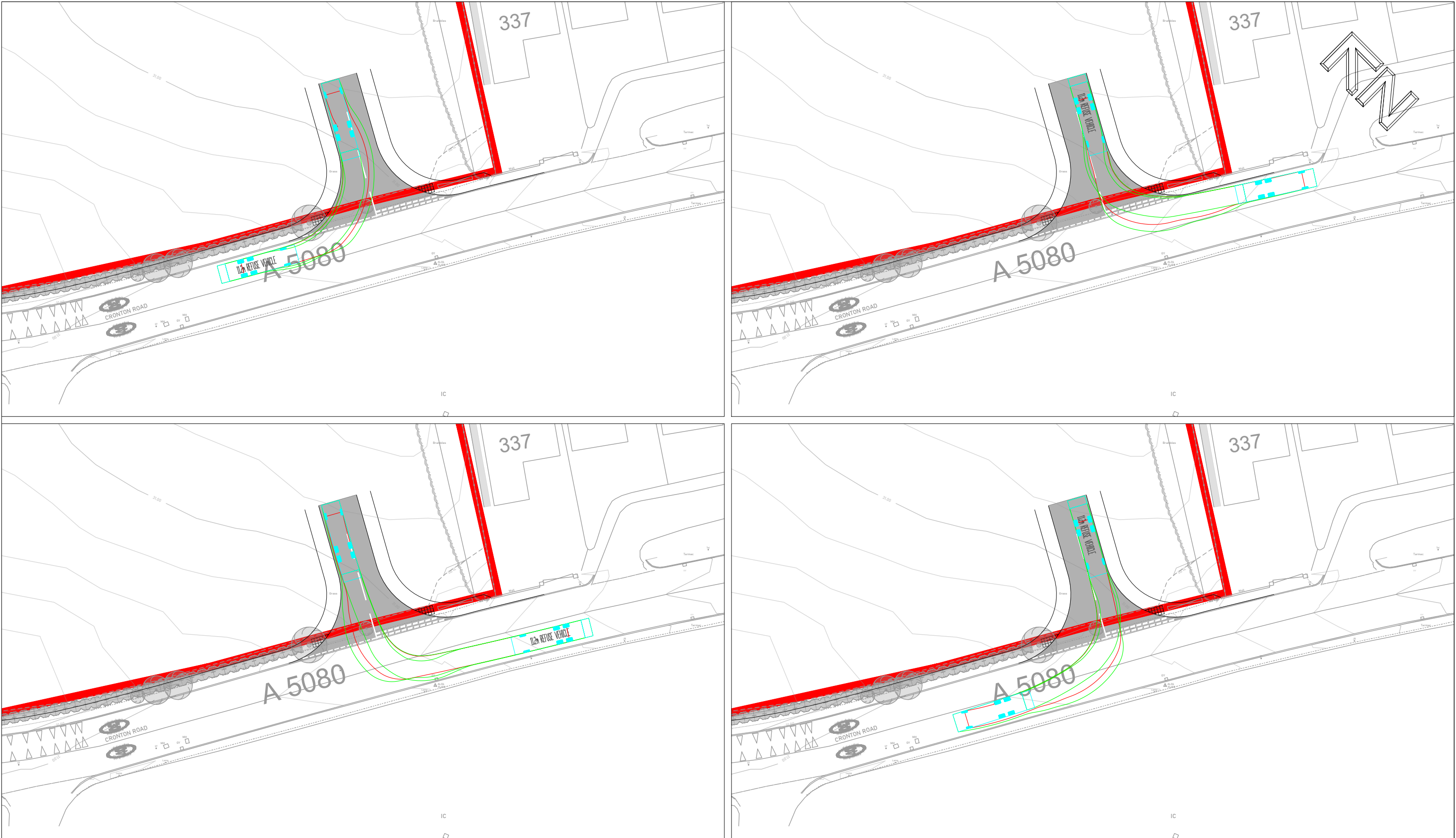




|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |    |                                            |         |                          |                           |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|--------------------------------------------|---------|--------------------------|---------------------------|---------------------------|
| <div><p>9 Hurricane Court<br/>Liverpool International Business Park   Estuary Boulevard   Liverpool   L24 8RL<br/>www.primetp.co.uk   0151 728 1860</p></div> | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 04.12.25 | VB | SUBMISSION ACCESS PROPOSALS<br>TREE SURVEY | Project | CRONTON ROAD, CRONTON    | Drawn by<br>VB            | Issue date<br>29 JAN 2025 |
|                                                                                                                                                                                                                                                 | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25.04.25 | VB |                                            |         |                          |                           |                           |
|                                                                                                                                                                                                                                                 | Rev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date     | By | Revision notes                             | Title   | PROPOSED ACCESS STRATEGY | Scale(s)<br>1:1000 @ A3   |                           |
|                                                                                                                                                                                                                                                 | DISCLAIMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |    |                                            |         |                          | Drawing No<br>P25012-001B |                           |
|                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"><li>• PROPOSALS ARE PRELIMINARY ONLY. NOT FOR CONSTRUCTION PURPOSES</li><li>• PROPOSALS WILL BE SUBJECT TO UTILITY AND DRAINAGE INVESTIGATIONS</li><li>• PROPOSALS WILL BE SUBJECT TO EXTENT OF ADOPTED HIGHWAY</li><li>• DO NOT SCALE THIS DRAWING. DIMENSIONS ARE FOR REPRESENTATIONAL AND INFORMATIONAL PURPOSES ONLY AND SUBJECT TO DETAILED DESIGN</li><li>• THIS DRAWING MUST ONLY BE USED FOR THE PURPOSE FOR WHICH IT HAS BEEN SUPPLIED</li></ul> |          |    |                                            |         |                          |                           | Status<br>FINAL           |



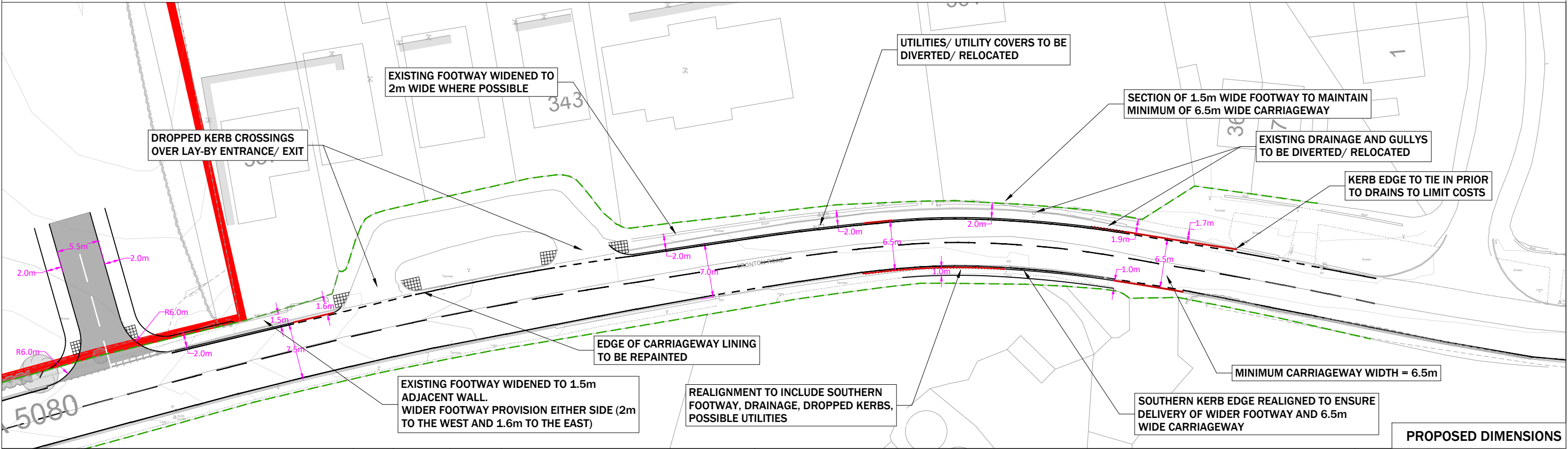
|                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><p>9 Hurricane Court<br/>Liverpool International Business Park   Estuary Boulevard   Liverpool   L24 8RL<br/><a href="http://www.primetp.co.uk">www.primetp.co.uk</a>   0151 728 1860</p></div> | <div><div><div>B</div><div>A</div></div><div>18.12.25<br/>05.11.25</div></div> <div><div>VB</div><div>RO</div></div> <div>ACCESS SWEEP PATHS ONLY<br/>SITE LAYOUT UPDATES</div> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## APPENDIX F

### ILLUSTRATIVE OFF-SITE IMPROVEMENT DRAWINGS

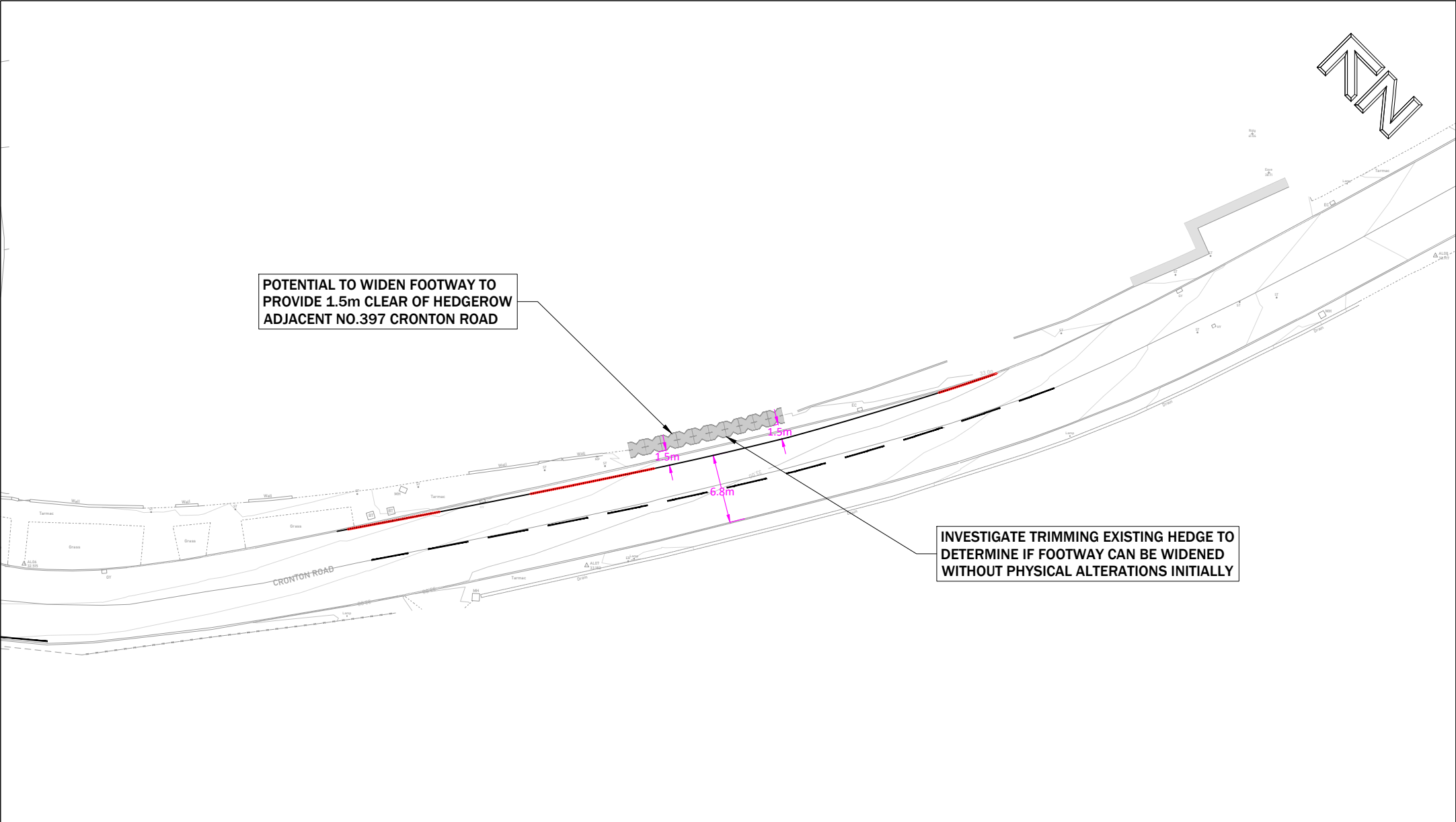


EXISTING DIMENSIONS

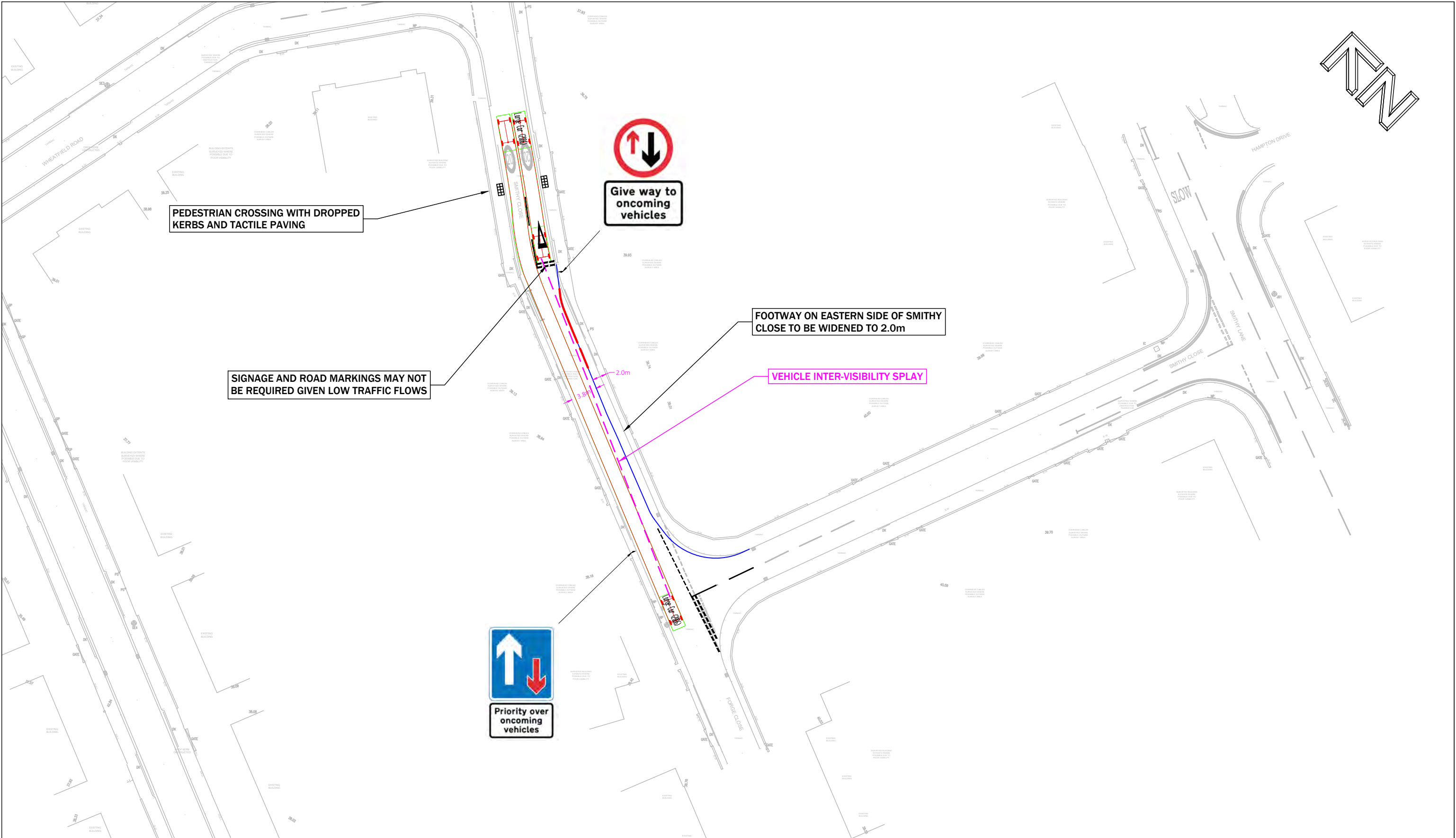


PROPOSED DIMENSIONS

|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |    |                |         |                                                  |                              |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|----------------|---------|--------------------------------------------------|------------------------------|---------------------------|
| <div><p>9 Hurricane Court<br/>Liverpool International Business Park   Estuary Boulevard   Liverpool   L24 8RL<br/>www.primetp.co.uk   0151 728 1860</p></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |    |                | Project | CRONTON ROAD, CRONTON                            | Drawn by<br>VB               | Issue date<br>31 JUL 2025 |
|                                                                                                                                                                                                                                                 | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18.12.25 | VB | MINOR UPDATES  |         |                                                  | Scale(s)                     | 1:1000 @ A3               |
|                                                                                                                                                                                                                                                 | Rev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date     | By | Revision notes | Title   | POTENTIAL FOOTWAY IMPROVEMENTS<br>- CRONTON ROAD | Drawing No<br>P25012-004-02A |                           |
|                                                                                                                                                                                                                                                 | DISCLAIMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |    |                |         |                                                  | Status                       | INFORMATION               |
|                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"><li>• PROPOSALS ARE PRELIMINARY ONLY, NOT FOR CONSTRUCTION PURPOSES</li><li>• PROPOSALS WILL BE SUBJECT TO UTILITY AND DRAINAGE INVESTIGATIONS</li><li>• PROPOSALS WILL BE SUBJECT TO EXTENT OF ADOPTED HIGHWAY</li><li>• DO NOT SCALE THIS DRAWING. DIMENSIONS ARE FOR REPRESENTATIONAL AND INFORMATIONAL PURPOSES ONLY AND SUBJECT TO DETAILED DESIGN</li><li>• THIS DRAWING MUST ONLY BE USED FOR THE PURPOSE FOR WHICH IT HAS BEEN SUPPLIED</li></ul> |          |    |                |         |                                                  |                              |                           |



|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |                |                                                                                       |                           |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|----------------|---------------------------------------------------------------------------------------|---------------------------|---------------------------|
| <div><p>9 Hurricane Court<br/>Liverpool International Business Park   Estuary Boulevard   Liverpool   L24 8RL<br/>www.primetp.co.uk   0151 728 1860</p></div> | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 18.12.25 | VB | MINOR UPDATES  | Project<br><br>CRONTON ROAD, CRONTON                                                  | Drawn by<br>VB            | Issue date<br>31 JUL 2025 |
|                                                                                                                                                                                                                                                 | Rev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Date     | By | Revision notes |                                                                                       | Scale(s)<br>1:500 @ A4    |                           |
|                                                                                                                                                                                                                                                 | DISCLAIMER <ul style="list-style-type: none"><li>• PROPOSALS ARE PRELIMINARY ONLY, NOT FOR CONSTRUCTION PURPOSES</li><li>• PROPOSALS WILL BE SUBJECT TO UTILITY AND DRAINAGE INVESTIGATIONS</li><li>• PROPOSALS WILL BE SUBJECT TO EXTENT OF ADOPTED HIGHWAY</li><li>• DO NOT SCALE THIS DRAWING. DIMENSIONS ARE FOR REPRESENTATIONAL AND INFORMATIONAL PURPOSES ONLY AND SUBJECT TO DETAILED DESIGN</li><li>• THIS DRAWING MUST ONLY BE USED FOR THE PURPOSE FOR WHICH IT HAS BEEN SUPPLIED</li></ul> |          |    |                | Title<br><br>POTENTIAL FOOTWAY IMPROVEMENTS<br>- CRONTON ROAD EAST OF WHEATFIELD ROAD | Drawing No<br>P25012-007A |                           |
|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |                |                                                                                       | Status<br>INFORMATION     |                           |
|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |                |                                                                                       |                           |                           |



|                                                                                                                                                                                                                                                                                        |                           |          |    |                |                                                               |                               |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------|----|----------------|---------------------------------------------------------------|-------------------------------|----------------------------|
| <div><p>9 Hurricane Court<br/>Liverpool International Business Park   Estuary Boulevard   Liverpool   L24 8RL<br/><a href="http://www.primetp.co.uk">www.primetp.co.uk</a>   0151 728 1860</p></div> | A                         | 18.12.25 | VB | MINOR UPDATES  | Project<br><br>CRONTON ROAD, CRONTON                          | Drawn by<br>RO                | Issue date<br>19 JULY 2025 |
|                                                                                                                                                                                                                                                                                        | Rev                       | Date     | By | Revision notes |                                                               | Scale(s)<br><br>1:500 @ A3    |                            |
|                                                                                                                                                                                                                                                                                        | Status<br><br>INFORMATION |          |    |                | Title<br><br>POTENTIAL FOOTWAY IMPROVEMENTS<br>- SMITHY CLOSE | Drawing No<br><br>P25012-005A |                            |
|                                                                                                                                                                                                                                                                                        |                           |          |    |                |                                                               |                               |                            |

## APPENDIX G

### SUSTAINABLE TRAVEL ISOCHRONES

## Walking Isochrone



Development Site

### Local Services/Education



Cronton CofE Primary School

Cronton Community Centre

Cronton Crown Green Bowls Club

Cronton Garden Centre



Cronton village centre



Cronton Road (Alder Lane) Bus Stops



Cronton Road (crossroads) Bus Stops



Cronton Sixth Form College

Cronton Wesleyan Chapel

Dog Walking Field

Hampton Drive Shops



Holy Family Catholic Primary School and Nursery

Holy Family Church



Hough Green Medical Centre and Pharmacy



Hough Green neighbourhood centre

Parkland Sports Club and Cafe Parklands

Pasture Park and Gardens

Pex Hill Country Park

Playground



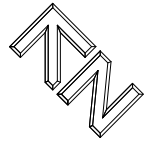
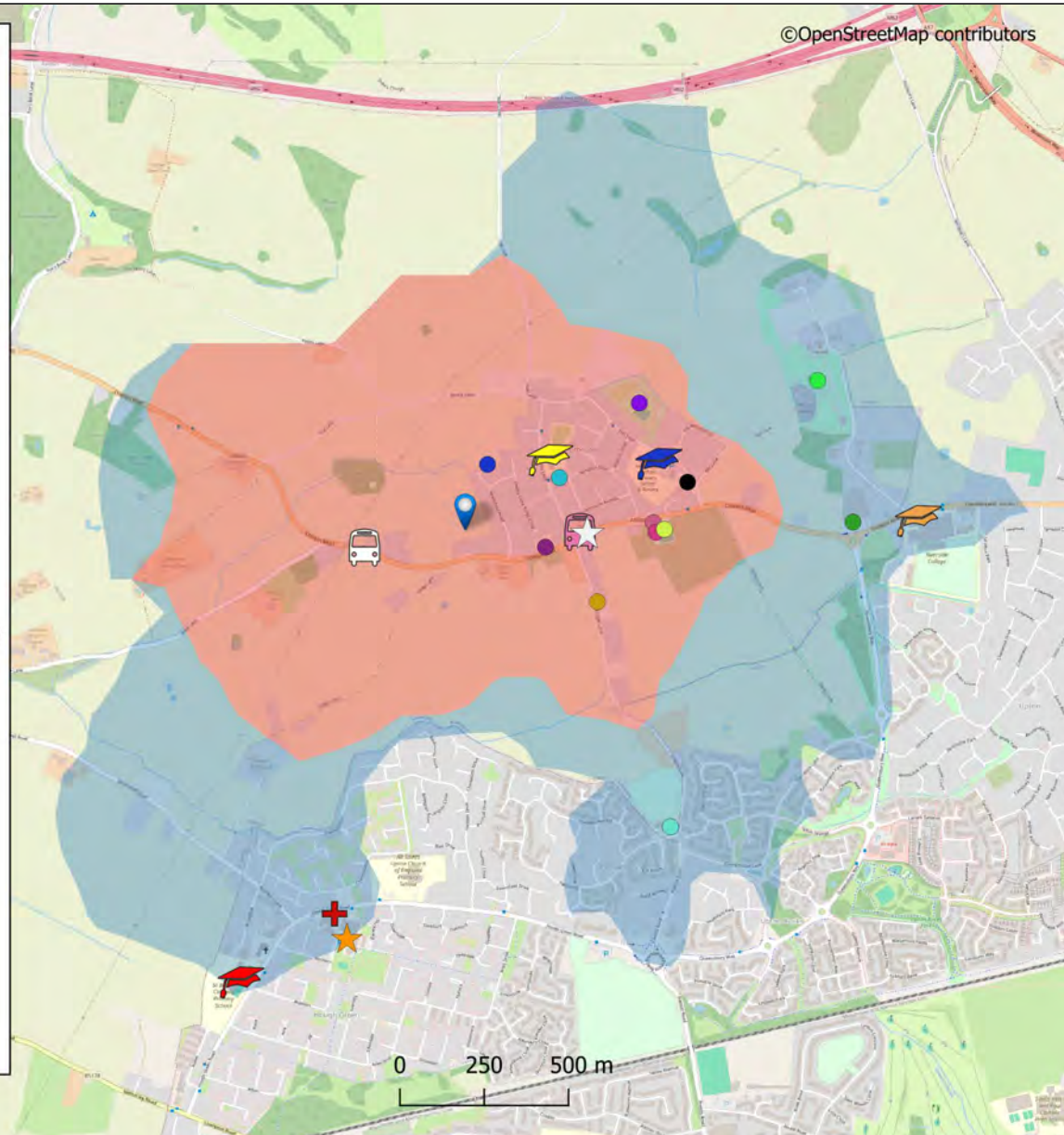
St Basil's Catholic Primary School

The Unicorn Inn Public House

### Walking Range (m)

0-1200

1200-2000



| *      | *    | *  | *              |
|--------|------|----|----------------|
| Rev    | Date | By | Revision notes |
| Status |      |    |                |
| FINAL  |      |    |                |

|         |                       |                            |                           |
|---------|-----------------------|----------------------------|---------------------------|
| Project | CRONTON ROAD, CRONTON | Drawn by<br>VB             | Issue date<br>18 DEC 2025 |
|         |                       | Scale(s)<br><br>NTS        |                           |
| Title   | PEDESTRIAN ISOCHRONE  | Drawing No<br><br>FIGURE 1 |                           |

## Cycling Isochrone



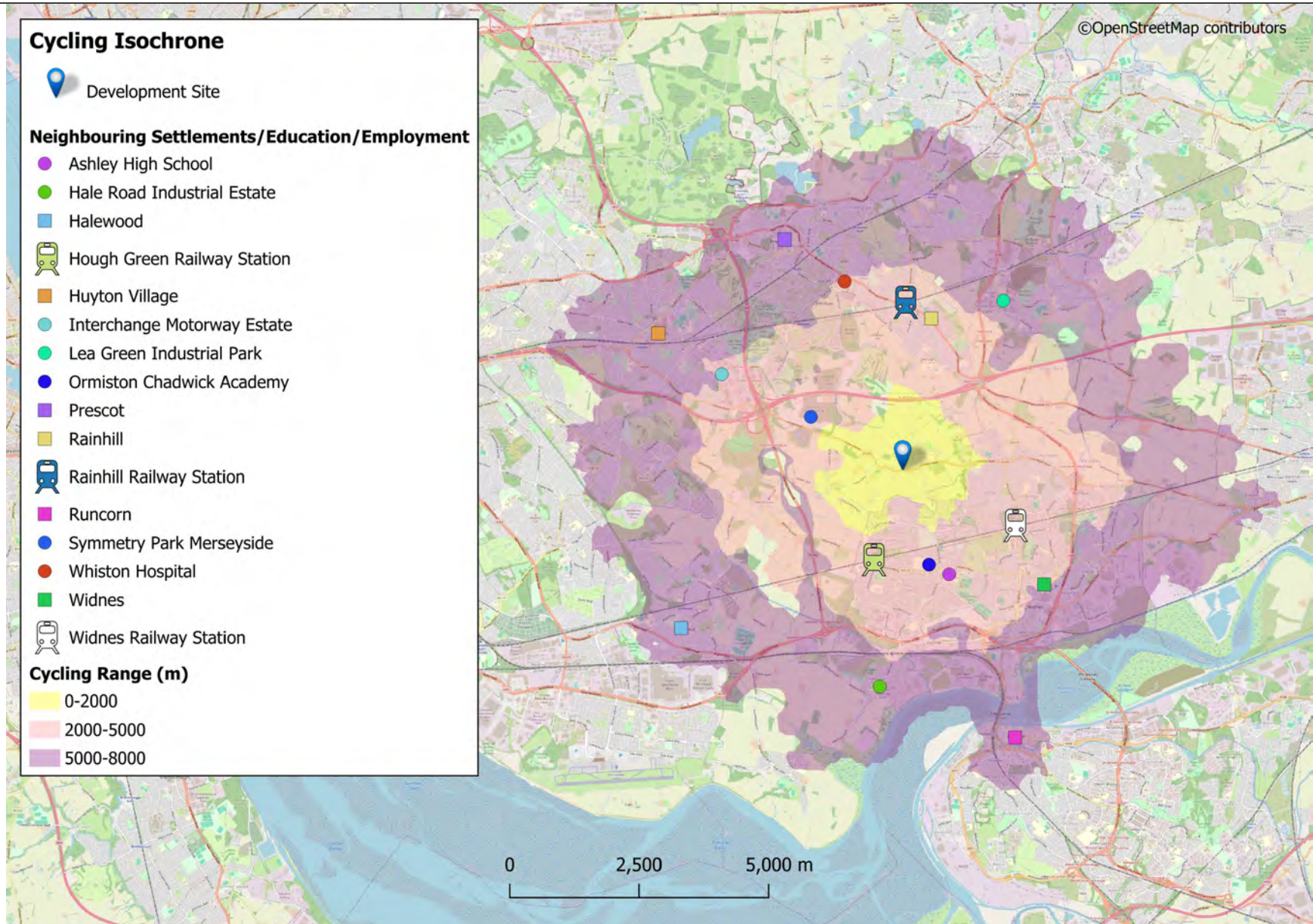
Development Site

### Neighbouring Settlements/Education/Employment

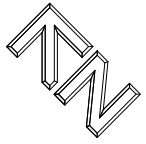
- Ashley High School
- Hale Road Industrial Estate
- Halewood
- Hough Green Railway Station
- Huyton Village
- Interchange Motorway Estate
- Lea Green Industrial Park
- Ormiston Chadwick Academy
- Prescott
- Rainhill
- Rainhill Railway Station
- Runcorn
- Symmetry Park Merseyside
- Whiston Hospital
- Widnes
- Widnes Railway Station

### Cycling Range (m)

- 0-2000
- 2000-5000
- 5000-8000



©OpenStreetMap contributors

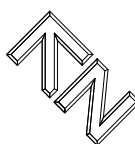
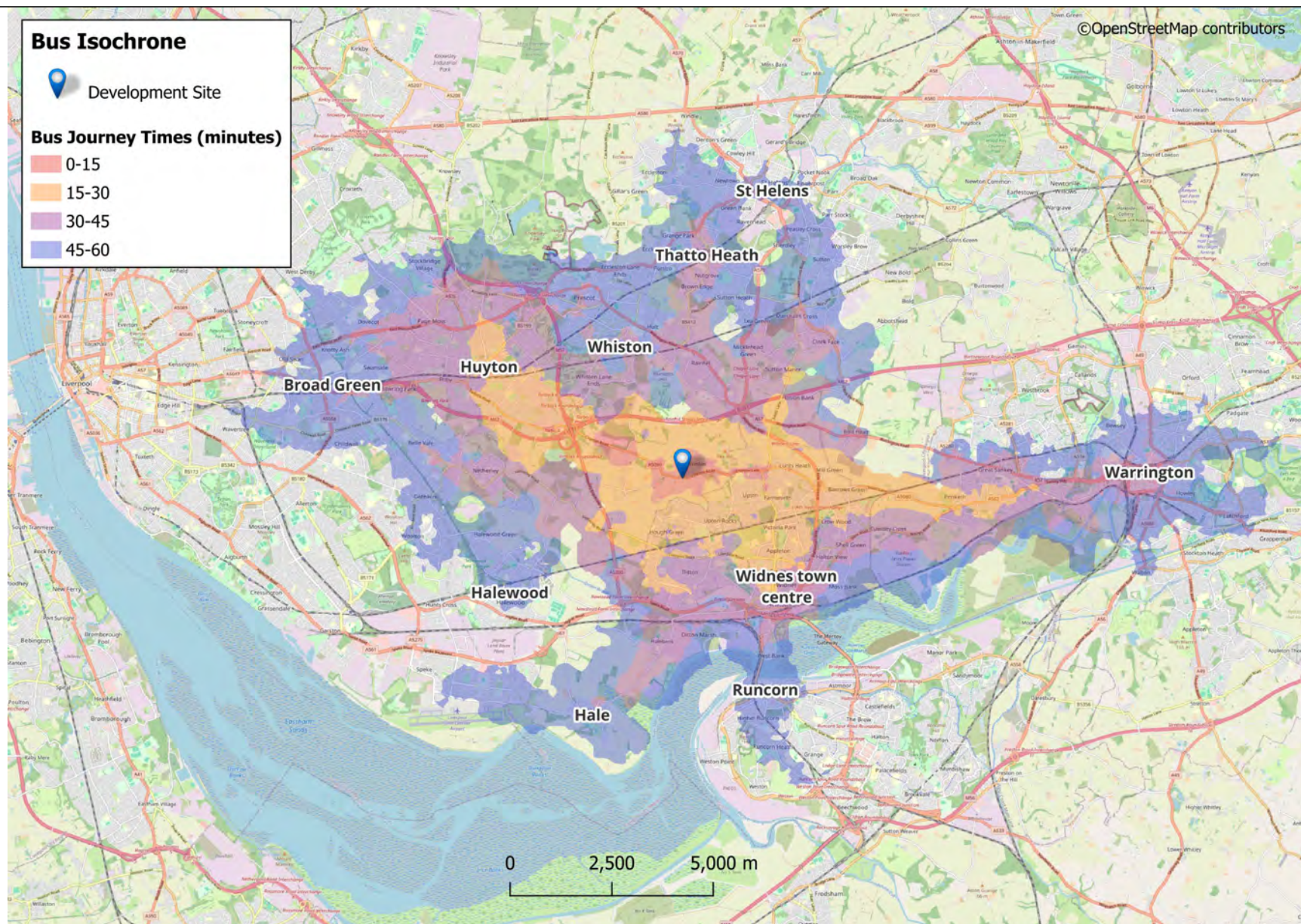


9 Hurricane Court  
Liverpool International Business Park | Estuary Boulevard | Liverpool | L24 8RL  
www.primetp.co.uk | 0151 728 1860

| *      | *    | *  | *              |
|--------|------|----|----------------|
| Rev    | Date | By | Revision notes |
| Status |      |    |                |
| FINAL  |      |    |                |

|         |                       |
|---------|-----------------------|
| Project | CRONTON ROAD, CRONTON |
| Title   | CYCLING ISOCHRONE     |

|                        |                           |
|------------------------|---------------------------|
| Drawn by<br>VB         | Issue date<br>18 DEC 2025 |
| Scale(s)<br>NTS        |                           |
| Drawing No<br>FIGURE 2 |                           |



9 Hurricane Court  
Liverpool International Business Park | Estuary Boulevard | Liverpool | L24 8RL  
www.primetp.co.uk | 0151 728 1860

| *      | *    | *  | *              |
|--------|------|----|----------------|
| Rev    | Date | By | Revision notes |
| Status |      |    |                |
| FINAL  |      |    |                |

|         |                       |
|---------|-----------------------|
| Project | CRONTON ROAD, CRONTON |
| Title   | BUS CATCHMENT PLAN    |

|                |                           |
|----------------|---------------------------|
| Drawn by<br>VB | Issue date<br>18 DEC 2025 |
| Scale(s)       | NTS                       |
| Drawing No     | FIGURE 3                  |

## APPENDIX H

### MASA

## Accessibility Assessment Form

| Access on foot  |                                                                                                                                                                                                                                                                                               |     | Points | Score | Justification for Scoring                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location        | <u>Residential Development</u> : Is the site within 800m of a district or local centre (see Accessibility Maps)<br><br><b>OR</b><br><u>Non-residential development</u> : Is the density of existing local housing (i.e. within 800m) more than 30 houses per hectare (see Accessibility Maps) | Yes | 2      | 0     |                                                                                                                                                                           |
|                 |                                                                                                                                                                                                                                                                                               | No  | 0      |       |                                                                                                                                                                           |
| Internal layout | Does ‘circulation’ and access inside the sites reflect direct, safe and easy to use pedestrian routes for all, with priority given to pedestrians when they have to cross roads or cycle routes?                                                                                              | Yes | 1      | 1     | Circulation and access reflects direct, safe and easy to use pedestrian routes for all.                                                                                   |
|                 |                                                                                                                                                                                                                                                                                               | No  | 0      |       |                                                                                                                                                                           |
| External layout | Are there barriers between site and local facilities or housing, which restrict pedestrian access?<br>Examples include no dropped kerbs at crossings or on desire lines; steep gradients; a lack of a formal crossing where there is heavy traffic; security concerns, e.g. lack of lighting  | Yes | -1     | 1     | Whilst substandard footway widths have been identified, it is still possible to access the site.<br>Improvements to footways are also proposed as part of the development |
|                 |                                                                                                                                                                                                                                                                                               | No  | 1      |       |                                                                                                                                                                           |
|                 | Total Score                                                                                                                                                                                                                                                                                   |     |        | 2     |                                                                                                                                                                           |
|                 | Minimum score required                                                                                                                                                                                                                                                                        |     |        | 2     |                                                                                                                                                                           |

### Comments or action needed to correct any shortfall

The site is not located within or near to a recognised local or town centre given Cronton's rural location. The site is however located approximately 600m from the village centre which offers a range of amenities and access to public transport

| Access by Cycle |                                                                                                                                                                                                                                                                                                      |     | Points | Score | Justification for Scoring                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-------|----------------------------------------------------------------------|
| Location        | <u>Residential Development:</u><br>Is the site within 1500m of a district or local centre (see Accessibility Maps)<br><br><b>Or</b><br><br><u>Non-residential development:</u> Is the density of existing local housing (e.g. within 1500m) more than 30 houses per hectare (see Accessibility Maps) | Yes | 2      | 0     |                                                                      |
|                 |                                                                                                                                                                                                                                                                                                      | No  | 0      |       |                                                                      |
| Internal layout | Does ‘circulation’ and access inside the site reflect appropriate and direct cycle routes, with priority given to cyclists where they meet motor vehicles?                                                                                                                                           | Yes | 1      | 1     | Circulation and access reflects appropriate and direct cycle routes. |
|                 |                                                                                                                                                                                                                                                                                                      | No  | 0      |       |                                                                      |
| External Access | Is the development within 400m of an existing or proposed designated cycle route and/ or proposes to create a link to a cycle route, or develop a route.                                                                                                                                             | Yes | 1      | 1     | 825m from off-road cycle track. Funding towards Bridleway            |
|                 |                                                                                                                                                                                                                                                                                                      | No  | -1     |       |                                                                      |
| Other           | Development includes cycle parking, shower facilities, and lockers for cyclists.                                                                                                                                                                                                                     | Yes | 1      | 1     |                                                                      |
|                 |                                                                                                                                                                                                                                                                                                      | No  | 0      |       |                                                                      |
|                 | Total Score                                                                                                                                                                                                                                                                                          |     |        | 3     |                                                                      |
|                 | Minimum score required                                                                                                                                                                                                                                                                               |     |        | 2     |                                                                      |

#### Comments or action needed to correct any shortfall

As above, the site is not located within or near to a recognised local or town centre given Cronton's rural location.

Whilst the site is located circa 825m from an off-road cycle route, the applicant is willing to provide funding towards PRow improvements for the Bridleway opposite.

| Access by Public Transport              |                                                                                                                                                                                                              |     | Points | Score | Justification for Scoring                                                   |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-------|-----------------------------------------------------------------------------|
| Location and access to public transport | Is the site within a 200m walk of a bus or tram stop, and/or within 400m of a rail station?                                                                                                                  | Yes | 2      | 0     |                                                                             |
|                                         |                                                                                                                                                                                                              | No  | 0      |       |                                                                             |
|                                         | Are there barriers on direct pedestrian routes to bus or tram stops or rail stations e.g. a lack of dropped kerbs, footpaths less than 2m wide, a lack of formal crossings and / or bus stop infrastructure. | Yes | 0      | 0     |                                                                             |
|                                         |                                                                                                                                                                                                              | No  | 1      |       |                                                                             |
| Frequency                               | High (four or more bus or tram services or trains an hour)                                                                                                                                                   |     | 2      | 2     | High frequency for village - generally 3-4 services per hour during daytime |
|                                         | Medium (two or three bus or tram services or trains an hour)                                                                                                                                                 |     | 1      |       |                                                                             |
|                                         | Low (less than two bus or tram services or trains an hour)                                                                                                                                                   |     | 0      |       |                                                                             |
| Other                                   | The proposal contributes to bus priority measures serving the site                                                                                                                                           | Yes | 1      | 0     |                                                                             |
|                                         |                                                                                                                                                                                                              | No  | 0      |       |                                                                             |
|                                         | The proposal contributes to bus stops, bus interchange, tram facilities or bus or rail stations in the vicinity and/or provides bus stops or bus interchange in the site                                     | Yes | 1      | 1     | Upgrade to local bus stops                                                  |
|                                         |                                                                                                                                                                                                              | No  | 0      |       |                                                                             |
|                                         | The proposal contributes to an existing or new supported bus service                                                                                                                                         | Yes | 1      | 0     |                                                                             |
|                                         |                                                                                                                                                                                                              | No  | 0      |       |                                                                             |
|                                         | Total Score                                                                                                                                                                                                  |     |        | 3     |                                                                             |
|                                         | Minimum score required                                                                                                                                                                                       |     |        | 6     |                                                                             |

#### Comments or action needed to correct any shortfall

Substandard footway widths have been identified - Improvements to footways are proposed as part of the development proposals including:

- Widening of the northern footway along Cronton Road between the proposed site access and Wheatfield Road - including realignment of Cronton Road carriageway and associated works to southern footway, dropped kerb crossings and drainage;
- Widening of the Cronton Road northern footway adjacent no.397 Cronton Road; and
- Widening of the Smithy Close footway on the eastern side of the road, with a priority controlled arrangement giving priority to northbound vehicles (ref: P25012-005)

| Parking                                             |                                                                                                                                                                                                        |             | Points | Score | Justification for Scoring |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-------|---------------------------|
| Parking                                             | The off-street parking provided is as advised in Section 4 for that development type                                                                                                                   | Yes         | 1      | 1     |                           |
|                                                     |                                                                                                                                                                                                        | No          | 0      |       |                           |
|                                                     | The off street parking provided is less than 75% of the amount advised in Section 4 for that development type (or shares parking provision with another development).                                  | Yes         | 2      |       |                           |
|                                                     |                                                                                                                                                                                                        | No          | 0      |       |                           |
|                                                     | For development in controlled parking zones:                                                                                                                                                           |             |        |       |                           |
|                                                     | Is the proposal for a car free development?                                                                                                                                                            | Yes         | 1      |       |                           |
|                                                     |                                                                                                                                                                                                        | No          | 0      |       |                           |
|                                                     | Does it supports the control or removal of on-street parking spaces (inc provision of disabled spaces) or contributes to other identified measures in the local parking strategy (including car clubs) | Yes         | 1      |       |                           |
|                                                     |                                                                                                                                                                                                        | No          | 0      |       |                           |
|                                                     |                                                                                                                                                                                                        | Total Score |        |       | 1                         |
|                                                     | Minimum score required                                                                                                                                                                                 |             |        | 1     |                           |
| Comments or action needed to correct any shortfall. |                                                                                                                                                                                                        |             |        |       |                           |

## APPENDIX I

### DFT'S NATIONAL ROAD TRAFFIC PROJECTIONS CALCULATION

Table 2a: Road traffic projections (billion vehicle miles, bvm) from 2015 to 2060

| Vehicle Type | Road Type | Country | Region     | Traffic - Billion Vehicle miles (bvm) |              |             |             |           |              |        |        |        |
|--------------|-----------|---------|------------|---------------------------------------|--------------|-------------|-------------|-----------|--------------|--------|--------|--------|
|              |           |         |            | 2015                                  | 2020         | 2025        | 2030        | 2035      | 2040         | 2045   | 2050   | 2055   |
| HGV          | A road    | England | North West | 0.3850                                |              | 0.3961      | 0.3990      | 0.3979    | 0.4013       | 0.4032 | 0.4072 | 0.4101 |
| HGV          |           |         |            |                                       |              |             |             |           |              |        |        |        |
|              |           |         |            | Year                                  | 5 Year Value | 5 Year Diff | Linear Diff | Increment | 1 Year Value | Check  | Factor |        |
|              |           |         |            | 2015                                  | 0.3850       | 0.0111      | 0.0011      |           |              | 0.3850 |        |        |
|              |           |         |            | 2016                                  |              |             |             |           | 1            | 0.3861 |        |        |
|              |           |         |            | 2017                                  |              |             |             |           | 2            | 0.3872 |        |        |
|              |           |         |            | 2018                                  |              |             |             |           | 3            | 0.3883 |        |        |
|              |           |         |            | 2019                                  |              |             |             |           | 4            | 0.3894 |        |        |
|              |           |         |            | 2020                                  | 0.0000       |             |             |           | 5            | 0.3905 |        |        |
|              |           |         |            | 2021                                  |              |             |             |           | 6            | 0.3916 |        |        |
|              |           |         |            | 2022                                  |              |             |             |           | 7            | 0.3928 |        |        |
|              |           |         |            | 2023                                  |              |             |             |           | 8            | 0.3939 |        |        |
|              |           |         |            | 2024                                  |              |             |             |           | 9            | 0.3950 | 18-25  |        |
|              |           |         |            | 2025                                  | 0.3961       | 0.0029      | 0.0006      |           | 10           | 0.3961 | 0.0000 | 1.0201 |
|              |           |         |            | 2026                                  |              |             |             |           | 1            | 0.3967 |        |        |
|              |           |         |            | 2027                                  |              |             |             |           | 2            | 0.3973 |        |        |
|              |           |         |            | 2028                                  |              |             |             |           | 3            | 0.3978 |        |        |
|              |           |         |            | 2029                                  |              |             |             |           | 4            | 0.3984 |        |        |
|              |           |         |            | 2030                                  | 0.3990       | -0.0012     | -0.0002     |           | 5            | 0.3990 | 0.0000 |        |
|              |           |         |            | 2031                                  |              |             |             |           | 1            | 0.3988 | 25-32  |        |
|              |           |         |            | 2032                                  |              |             |             |           | 2            | 0.3985 | 1.0062 |        |
|              |           |         |            | 2033                                  |              |             |             |           | 3            | 0.3983 |        |        |
|              |           |         |            | 2034                                  |              |             |             |           | 4            | 0.3981 |        |        |
|              |           |         |            | 2035                                  | 0.3979       | 0.0034      | 0.0007      |           | 5            | 0.3979 | 0.0000 |        |
|              |           |         |            | 2036                                  |              |             |             |           | 1            | 0.3985 |        |        |
|              |           |         |            | 2037                                  |              |             |             |           | 2            | 0.3992 |        |        |
|              |           |         |            | 2038                                  |              |             |             |           | 3            | 0.3999 |        |        |
|              |           |         |            | 2039                                  |              |             |             |           | 4            | 0.4006 |        |        |
|              |           |         |            | 2040                                  | 0.4013       | 0.0019      | 0.0004      |           | 5            | 0.4013 | 0.0000 |        |
|              |           |         |            | 2041                                  |              |             |             |           | 1            | 0.4016 |        |        |
|              |           |         |            | 2042                                  |              |             |             |           | 2            | 0.4020 |        |        |
|              |           |         |            | 2043                                  |              |             |             |           | 3            | 0.4024 |        |        |
|              |           |         |            | 2044                                  |              |             |             |           | 4            | 0.4028 |        |        |
|              |           |         |            | 2045                                  | 0.4032       | 0.0040      | 0.0008      |           | 5            | 0.4032 | 0.0000 |        |
|              |           |         |            | 2046                                  |              |             |             |           | 1            | 0.4040 |        |        |
|              |           |         |            | 2047                                  |              |             |             |           | 2            | 0.4048 |        |        |
|              |           |         |            | 2048                                  |              |             |             |           | 3            | 0.4056 |        |        |
|              |           |         |            | 2049                                  |              |             |             |           | 4            | 0.4064 |        |        |
|              |           |         |            | 2050                                  | 0.4072       | 0.0029      | 0.0006      |           | 5            | 0.4072 | 0.0000 |        |

## APPENDIX J

### TRICS OUTPUT

Calculation Reference: AUDIT-753001-250501-0522

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
Category : A - HOUSES PRIVATELY OWNED  
TOTAL VEHICLES

Selected regions and areas:

|    |                                |        |
|----|--------------------------------|--------|
| 02 | SOUTH EAST                     |        |
|    | CT CENTRAL BEDFORDSHIRE        | 1 days |
|    | ES EAST SUSSEX                 | 2 days |
|    | EX ESSEX                       | 2 days |
|    | HC HAMPSHIRE                   | 4 days |
|    | HF HERTFORDSHIRE               | 1 days |
|    | KC KENT                        | 2 days |
|    | SC SURREY                      | 2 days |
|    | WB WEST BERKSHIRE              | 1 days |
|    | WS WEST SUSSEX                 | 3 days |
| 03 | SOUTH WEST                     |        |
|    | DC DORSET                      | 1 days |
|    | SM SOMERSET                    | 1 days |
| 04 | EAST ANGLIA                    |        |
|    | NF NORFOLK                     | 5 days |
| 05 | EAST MIDLANDS                  |        |
|    | NT NOTTINGHAMSHIRE             | 1 days |
| 06 | WEST MIDLANDS                  |        |
|    | ST STAFFORDSHIRE               | 2 days |
|    | WK WARWICKSHIRE                | 1 days |
| 07 | YORKSHIRE & NORTH LINCOLNSHIRE |        |
|    | NY NORTH YORKSHIRE             | 1 days |
| 08 | NORTH WEST                     |        |
|    | LC LANCASHIRE                  | 1 days |
| 09 | NORTH                          |        |
|    | DH DURHAM                      | 1 days |
|    | IM ISLE OF MAN                 | 2 days |
| 11 | SCOTLAND                       |        |
|    | AS ABERDEENSHIRE               | 1 days |

*This section displays the number of survey days per TRICS® sub-region in the selected set*

Primary Filtering selection:

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: No of Dwellings  
Actual Range: 26 to 248 (units: )  
Range Selected by User: 25 to 250 (units: )

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 18/09/14 to 18/09/24

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*

Selected survey days:

Monday 7 days  
Tuesday 10 days  
Wednesday 8 days  
Thursday 5 days  
Friday 5 days

*This data displays the number of selected surveys by day of the week.*

Selected survey types:

Manual count 34 days  
Directional ATC Count 1 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Edge of Town 35

*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*

Selected Location Sub Categories:

Residential Zone 34  
Out of Town 1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included 13 days - Selected  
Servicing vehicles Excluded 68 days - Selected

Secondary Filtering selection:

Use Class:

C3 35 days

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.*

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

|                  |         |
|------------------|---------|
| 1,001 to 5,000   | 4 days  |
| 5,001 to 10,000  | 9 days  |
| 10,001 to 15,000 | 14 days |
| 15,001 to 20,000 | 5 days  |
| 20,001 to 25,000 | 3 days  |

*This data displays the number of selected surveys within stated 1-mile radii of population.*

Population within 5 miles:

|                    |         |
|--------------------|---------|
| 5,001 to 25,000    | 8 days  |
| 25,001 to 50,000   | 4 days  |
| 50,001 to 75,000   | 3 days  |
| 75,001 to 100,000  | 5 days  |
| 125,001 to 250,000 | 12 days |
| 250,001 to 500,000 | 3 days  |

*This data displays the number of selected surveys within stated 5-mile radii of population.*

Car ownership within 5 miles:

|            |         |
|------------|---------|
| 0.6 to 1.0 | 9 days  |
| 1.1 to 1.5 | 23 days |
| 1.6 to 2.0 | 3 days  |

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Travel Plan:

|     |         |
|-----|---------|
| Yes | 19 days |
| No  | 16 days |

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

|                 |         |
|-----------------|---------|
| No PTAL Present | 34 days |
| 2 Poor          | 1 days  |

*This data displays the number of selected surveys with PTAL Ratings.*

LIST OF SITES relevant to selection parameters

|   |                                                            |                          |          |                      |
|---|------------------------------------------------------------|--------------------------|----------|----------------------|
| 1 | AS-03-A-02<br>FARROCHIE ROAD<br>STONEHAVEN                 | MIXED HOUSES             |          | ABERDEENSHIRE        |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 131      |                      |
|   | Survey date: WEDNESDAY                                     |                          | 20/04/22 | Survey Type: MANUAL  |
| 2 | CT-03-A-03<br>ARLESEY ROAD<br>STOTFOLD                     | MIXED HOUSES             |          | CENTRAL BEDFORDSHIRE |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 73       |                      |
|   | Survey date: TUESDAY                                       |                          | 27/06/23 | Survey Type: MANUAL  |
| 3 | DC-03-A-10<br>ADDISON CLOSE<br>GILLINGHAM                  | MIXED HOUSES             |          | DORSET               |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 26       |                      |
|   | Survey date: WEDNESDAY                                     |                          | 09/11/22 | Survey Type: MANUAL  |
| 4 | DH-03-A-03<br>PILGRIMS WAY<br>DURHAM                       | SEMI-DETACHED & TERRACED |          | DURHAM               |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 57       |                      |
|   | Survey date: FRIDAY                                        |                          | 19/10/18 | Survey Type: MANUAL  |
| 5 | ES-03-A-09<br>THE FAIRWAY<br>NEWHAVEN                      | DETACHED & SEMI-DETACHED |          | EAST SUSSEX          |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 47       |                      |
|   | Survey date: MONDAY                                        |                          | 13/03/23 | Survey Type: MANUAL  |
| 6 | ES-03-A-13<br>A265<br>HEATHFIELD                           | DETACHED HOUSES          |          | EAST SUSSEX          |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 36       |                      |
|   | Survey date: MONDAY                                        |                          | 18/03/24 | Survey Type: MANUAL  |
| 7 | EX-03-A-02<br>MANOR ROAD<br>CHIGWELL<br>GRANGE HILL        | DETACHED & SEMI-DETACHED |          | ESSEX                |
|   | Edge of Town<br>Residential Zone<br>Total No of Dwellings: |                          | 97       |                      |
|   | Survey date: MONDAY                                        |                          | 27/11/17 | Survey Type: MANUAL  |

LIST OF SITES relevant to selection parameters (Cont.)

|    |                        |                          |                     |
|----|------------------------|--------------------------|---------------------|
| 8  | EX-03-A-03             | MIXED HOUSES             | ESSEX               |
|    | KESTREL GROVE          |                          |                     |
|    | RAYLEIGH               |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 123                      |                     |
|    | Survey date: MONDAY    | 27/09/21                 | Survey Type: MANUAL |
| 9  | HC-03-A-21             | TERRACED & SEMI-DETACHED | HAMPSHIRE           |
|    | PRIESTLEY ROAD         |                          |                     |
|    | BASINGSTOKE            |                          |                     |
|    | HOUNDMILLS             |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 39                       |                     |
|    | Survey date: TUESDAY   | 13/11/18                 | Survey Type: MANUAL |
| 10 | HC-03-A-22             | MIXED HOUSES             | HAMPSHIRE           |
|    | BOW LAKE GARDENS       |                          |                     |
|    | NEAR EASTLEIGH         |                          |                     |
|    | BISHOPSTOKE            |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 40                       |                     |
|    | Survey date: WEDNESDAY | 31/10/18                 | Survey Type: MANUAL |
| 11 | HC-03-A-27             | MIXED HOUSES             | HAMPSHIRE           |
|    | DAIRY ROAD             |                          |                     |
|    | ANDOVER                |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 73                       |                     |
|    | Survey date: TUESDAY   | 16/11/21                 | Survey Type: MANUAL |
| 12 | HC-03-A-37             | MIXED HOUSES             | HAMPSHIRE           |
|    | REDFIELDS LANE         |                          |                     |
|    | FLEET                  |                          |                     |
|    | CHURCH CROOKHAM        |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 50                       |                     |
|    | Survey date: WEDNESDAY | 27/03/24                 | Survey Type: MANUAL |
| 13 | HF-03-A-03             | MIXED HOUSES             | HERTFORDSHIRE       |
|    | HARE STREET ROAD       |                          |                     |
|    | BUNTINGFORD            |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 160                      |                     |
|    | Survey date: MONDAY    | 08/07/19                 | Survey Type: MANUAL |
| 14 | IM-03-A-05             | MIXED HOUSES             | ISLE OF MAN         |
|    | SCARLETT ROAD          |                          |                     |
|    | CASTLETOWN             |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 45                       |                     |
|    | Survey date: TUESDAY   | 21/05/24                 | Survey Type: MANUAL |

LIST OF SITES relevant to selection parameters (Cont.)

|    |                                                                                                  |                                    |
|----|--------------------------------------------------------------------------------------------------|------------------------------------|
| 15 | IM-03-A-06 MIXED HOUSES<br>MOORAGH PROMENADE<br>RAMSEY                                           | ISLE OF MAN                        |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 129<br>Survey date: THURSDAY 23/05/24 | Survey Type: MANUAL                |
| 16 | KC-03-A-04 SEMI-DETACHED & TERRACED<br>KILN BARN ROAD<br>AYLESFORD<br>DITTON                     | KENT                               |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 110<br>Survey date: FRIDAY 22/09/17   | Survey Type: MANUAL                |
| 17 | KC-03-A-10 MIXED HOUSES<br>HEADCORN ROAD<br>STAPLEHURST                                          | KENT                               |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 106<br>Survey date: TUESDAY 09/05/23  | Survey Type: MANUAL                |
| 18 | LC-03-A-31 DETACHED HOUSES<br>GREENSIDE<br>PRESTON<br>COTTAM                                     | LANCASHIRE                         |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 32<br>Survey date: FRIDAY 17/11/17    | Survey Type: MANUAL                |
| 19 | NF-03-A-13 MIXED HOUSES<br>BEAUFORT WAY<br>GREAT YARMOUTH<br>BRADWELL                            | NORFOLK                            |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 198<br>Survey date: TUESDAY 11/09/18  | Survey Type: DIRECTIONAL ATC COUNT |
| 20 | NF-03-A-33 MIXED HOUSES<br>LONDON ROAD<br>ATTLEBOROUGH                                           | NORFOLK                            |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 143<br>Survey date: THURSDAY 29/09/22 | Survey Type: MANUAL                |
| 21 | NF-03-A-34 MIXED HOUSES<br>NORWICH ROAD<br>SWAFFHAM                                              | NORFOLK                            |
|    | Edge of Town<br>Out of Town<br>Total No of Dwellings: 80<br>Survey date: TUESDAY 27/09/22        | Survey Type: MANUAL                |
| 22 | NF-03-A-37 MIXED HOUSES<br>GREENFIELDS ROAD<br>DEREHAM                                           | NORFOLK                            |
|    | Edge of Town<br>Residential Zone<br>Total No of Dwellings: 44<br>Survey date: TUESDAY 27/09/22   | Survey Type: MANUAL                |

LIST OF SITES relevant to selection parameters (Cont.)

|    |                        |                          |                     |
|----|------------------------|--------------------------|---------------------|
| 23 | NF-03-A-39             | MIXED HOUSES             | NORFOLK             |
|    | HEATH DRIVE            |                          |                     |
|    | HOLT                   |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 212                      |                     |
|    | Survey date: TUESDAY   | 27/09/22                 | Survey Type: MANUAL |
| 24 | NT-03-A-08             | DETACHED HOUSES          | NOTTINGHAMSHIRE     |
|    | WIGHAY ROAD            |                          |                     |
|    | HUCKNALL               |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 36                       |                     |
|    | Survey date: MONDAY    | 18/10/21                 | Survey Type: MANUAL |
| 25 | NY-03-A-14             | DETACHED & BUNGALOWS     | NORTH YORKSHIRE     |
|    | PALACE ROAD            |                          |                     |
|    | RIPON                  |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 45                       |                     |
|    | Survey date: WEDNESDAY | 18/05/22                 | Survey Type: MANUAL |
| 26 | SC-03-A-05             | MIXED HOUSES             | SURREY              |
|    | REIGATE ROAD           |                          |                     |
|    | HORLEY                 |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 207                      |                     |
|    | Survey date: MONDAY    | 01/04/19                 | Survey Type: MANUAL |
| 27 | SC-03-A-11             | MIXED HOUSES             | SURREY              |
|    | FOLLY HILL             |                          |                     |
|    | FARNHAM                |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 96                       |                     |
|    | Survey date: TUESDAY   | 14/05/24                 | Survey Type: MANUAL |
| 28 | SM-03-A-01             | DETACHED & SEMI          | SOMERSET            |
|    | WEMBDON ROAD           |                          |                     |
|    | BRIDGWATER             |                          |                     |
|    | NORTHFIELD             |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 33                       |                     |
|    | Survey date: THURSDAY  | 24/09/15                 | Survey Type: MANUAL |
| 29 | ST-03-A-07             | DETACHED & SEMI-DETACHED | STAFFORDSHIRE       |
|    | BEACONSIDE             |                          |                     |
|    | STAFFORD               |                          |                     |
|    | MARSTON GATE           |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 248                      |                     |
|    | Survey date: WEDNESDAY | 22/11/17                 | Survey Type: MANUAL |
| 30 | ST-03-A-08             | DETACHED HOUSES          | STAFFORDSHIRE       |
|    | SILKMORE CRESCENT      |                          |                     |
|    | STAFFORD               |                          |                     |
|    | MEADOWCROFT PARK       |                          |                     |
|    | Edge of Town           |                          |                     |
|    | Residential Zone       |                          |                     |
|    | Total No of Dwellings: | 26                       |                     |
|    | Survey date: WEDNESDAY | 22/11/17                 | Survey Type: MANUAL |

*LIST OF SITES relevant to selection parameters (Cont.)*

|    |                        |                 |                     |
|----|------------------------|-----------------|---------------------|
| 31 | WB-03-A-03             | MIXED HOUSES    | WEST BERKSHIRE      |
|    | DORKING WAY            |                 |                     |
|    | READING                |                 |                     |
|    | CALCOT                 |                 |                     |
|    | Edge of Town           |                 |                     |
|    | Residential Zone       |                 |                     |
|    | Total No of Dwellings: | 108             |                     |
|    | Survey date: FRIDAY    | 09/09/22        | Survey Type: MANUAL |
| 32 | WK-03-A-04             | DETACHED HOUSES | WARWICKSHIRE        |
|    | DALEHOUSE LANE         |                 |                     |
|    | KENILWORTH             |                 |                     |
|    | Edge of Town           |                 |                     |
|    | Residential Zone       |                 |                     |
|    | Total No of Dwellings: | 49              |                     |
|    | Survey date: FRIDAY    | 27/09/19        | Survey Type: MANUAL |
| 33 | WS-03-A-04             | MIXED HOUSES    | WEST SUSSEX         |
|    | HILLS FARM LANE        |                 |                     |
|    | HORSHAM                |                 |                     |
|    | BROADBRIDGE HEATH      |                 |                     |
|    | Edge of Town           |                 |                     |
|    | Residential Zone       |                 |                     |
|    | Total No of Dwellings: | 151             |                     |
|    | Survey date: THURSDAY  | 11/12/14        | Survey Type: MANUAL |
| 34 | WS-03-A-08             | MIXED HOUSES    | WEST SUSSEX         |
|    | ROUNDSTONE LANE        |                 |                     |
|    | ANGMERING              |                 |                     |
|    | Edge of Town           |                 |                     |
|    | Residential Zone       |                 |                     |
|    | Total No of Dwellings: | 180             |                     |
|    | Survey date: THURSDAY  | 19/04/18        | Survey Type: MANUAL |
| 35 | WS-03-A-14             | MIXED HOUSES    | WEST SUSSEX         |
|    | TODDINGTON LANE        |                 |                     |
|    | LITTLEHAMPTON          |                 |                     |
|    | WICK                   |                 |                     |
|    | Edge of Town           |                 |                     |
|    | Residential Zone       |                 |                     |
|    | Total No of Dwellings: | 117             |                     |
|    | Survey date: WEDNESDAY | 20/10/21        | Survey Type: MANUAL |

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

MANUALLY DESELECTED SITES

| Site Ref   | Reason for Deselection                      |
|------------|---------------------------------------------|
| BO-03-A-01 | Covid-19                                    |
| ES-03-A-07 | Contains flats - not representative of site |
| ES-03-A-08 | Contains flats - not representative of site |
| ES-03-A-10 | Contains flats - not representative of site |
| ES-03-A-14 | Contains flats - not representative of site |
| HC-03-A-34 | Contains flats - not representative of site |
| HF-03-A-06 | Low trips in the PM                         |
| KC-03-A-12 | Contains flats - not representative of site |
| NF-03-A-15 | Contains flats - not representative of site |
| NF-03-A-16 | Contains flats - not representative of site |
| NF-03-A-25 | Contains flats - not representative of site |
| NF-03-A-35 | Contains flats - not representative of site |
| SF-03-A-10 | Covid-19                                    |
| SP-03-A-02 | Contains flats - not representative of site |
| WS-03-A-12 | Covid-19                                    |
| WS-03-A-13 | Covid-19                                    |
| WS-03-A-22 | Contains flats - not representative of site |
| WS-03-A-23 | Contains flats - not representative of site |

PRIME Transport Planning ' Hurricane Court Liverpool

Licence No: 753001

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

| Time Range    | ARRIVALS |             |           | DEPARTURES |             |           | TOTALS   |             |           |
|---------------|----------|-------------|-----------|------------|-------------|-----------|----------|-------------|-----------|
|               | No. Days | Ave. DWELLS | Trip Rate | No. Days   | Ave. DWELLS | Trip Rate | No. Days | Ave. DWELLS | Trip Rate |
| 00:00 - 01:00 |          |             |           |            |             |           |          |             |           |
| 01:00 - 02:00 |          |             |           |            |             |           |          |             |           |
| 02:00 - 03:00 |          |             |           |            |             |           |          |             |           |
| 03:00 - 04:00 |          |             |           |            |             |           |          |             |           |
| 04:00 - 05:00 |          |             |           |            |             |           |          |             |           |
| 05:00 - 06:00 |          |             |           |            |             |           |          |             |           |
| 06:00 - 07:00 |          |             |           |            |             |           |          |             |           |
| 07:00 - 08:00 | 35       | 96          | 0.098     | 35         | 96          | 0.295     | 35       | 96          | 0.393     |
| 08:00 - 09:00 | 35       | 96          | 0.140     | 35         | 96          | 0.362     | 35       | 96          | 0.502     |
| 09:00 - 10:00 | 35       | 96          | 0.143     | 35         | 96          | 0.186     | 35       | 96          | 0.329     |
| 10:00 - 11:00 | 35       | 96          | 0.136     | 35         | 96          | 0.166     | 35       | 96          | 0.302     |
| 11:00 - 12:00 | 35       | 96          | 0.139     | 35         | 96          | 0.143     | 35       | 96          | 0.282     |
| 12:00 - 13:00 | 35       | 96          | 0.158     | 35         | 96          | 0.149     | 35       | 96          | 0.307     |
| 13:00 - 14:00 | 35       | 96          | 0.161     | 35         | 96          | 0.156     | 35       | 96          | 0.317     |
| 14:00 - 15:00 | 35       | 96          | 0.170     | 35         | 96          | 0.196     | 35       | 96          | 0.366     |
| 15:00 - 16:00 | 35       | 96          | 0.263     | 35         | 96          | 0.183     | 35       | 96          | 0.446     |
| 16:00 - 17:00 | 35       | 96          | 0.254     | 35         | 96          | 0.161     | 35       | 96          | 0.415     |
| 17:00 - 18:00 | 35       | 96          | 0.319     | 35         | 96          | 0.160     | 35       | 96          | 0.479     |
| 18:00 - 19:00 | 35       | 96          | 0.274     | 35         | 96          | 0.144     | 35       | 96          | 0.418     |
| 19:00 - 20:00 | 1        | 97          | 0.062     | 1          | 97          | 0.052     | 1        | 97          | 0.114     |
| 20:00 - 21:00 | 1        | 97          | 0.031     | 1          | 97          | 0.021     | 1        | 97          | 0.052     |
| 21:00 - 22:00 |          |             |           |            |             |           |          |             |           |
| 22:00 - 23:00 |          |             |           |            |             |           |          |             |           |
| 23:00 - 24:00 |          |             |           |            |             |           |          |             |           |
| Total Rates:  |          |             | 2.348     |            |             | 2.374     |          |             | 4.722     |

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP\*FACT. Trip rates are then rounded to 3 decimal places.

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#### Parameter summary

Trip rate parameter range selected: 26 - 248 (units: )  
Survey date range: 18/09/14 - 18/09/24  
Number of weekdays (Monday-Friday): 35  
Number of Saturdays: 0  
Number of Sundays: 0  
Surveys automatically removed from selection: 28  
Surveys manually removed from selection: 18

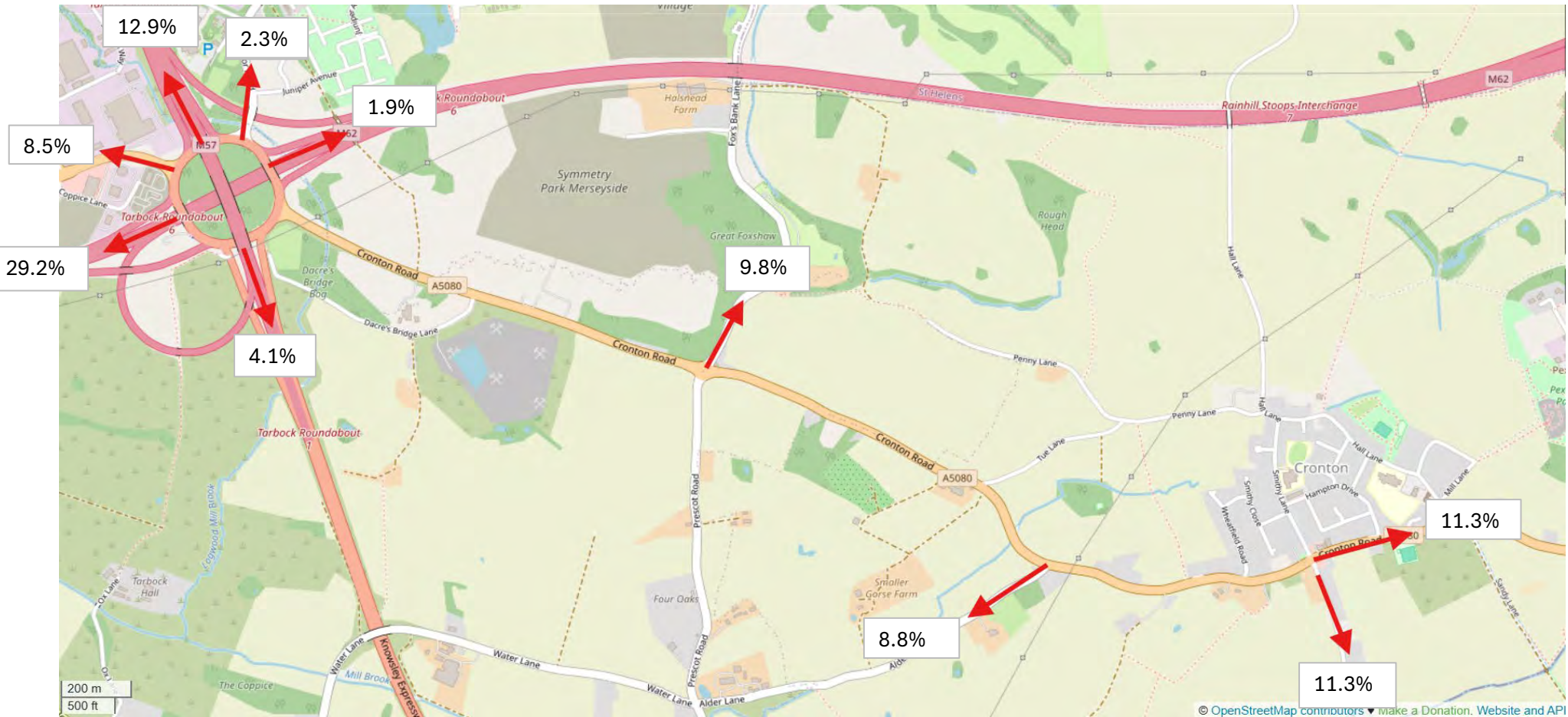
This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

## APPENDIX K

### DISTRIBUTION CALCULATIONS

| MSOA      | Trips | MSOA Name                     | Local Area                                                                                    | Pri Route | Pri %  | Sec. Route | Sec %  | Ter. Route | Ter%   | Notes   |
|-----------|-------|-------------------------------|-----------------------------------------------------------------------------------------------|-----------|--------|------------|--------|------------|--------|---------|
| E02003845 | 5     | Cheshire West and Chester 007 | Ellesmere Port (north)                                                                        | Chapel    | 0.27%  |            |        |            |        |         |
| E02003877 | 5     | Cheshire West and Chester 015 | Helsby                                                                                        | Chapel    | 0.27%  |            |        |            |        |         |
| E02002574 | 10    | Halton 001                    | Lunt's Heath Primary School                                                                   | A5080 E   | 0.53%  |            |        |            |        |         |
| E02002576 | 14    | Halton 003                    | Brookfield's School                                                                           | A5080 E   | 0.74%  |            |        |            |        |         |
| E02002577 | 13    | Halton 004                    | Hough Green Station                                                                           | Alder     | 0.34%  | Chapel     | 0.34%  |            |        |         |
| E02002578 | 11    | Halton 005                    | Victoria Park                                                                                 | A5080 E   | 0.58%  |            |        |            |        |         |
| E02002579 | 15    | Halton 006                    | Co-Op Ditton                                                                                  | Chapel    | 0.80%  |            |        |            |        |         |
| E02002580 | 70    | Halton 007                    | Widnes Town Centre                                                                            | Chapel    | 1.86%  | A5080 E    | 1.86%  |            |        |         |
| E02002581 | 28    | Halton 008                    | Hale                                                                                          | Chapel    | 1.48%  |            |        |            |        |         |
| E02002582 | 28    | Halton 009                    | Brook Wood                                                                                    | Chapel    | 1.48%  |            |        |            |        |         |
| E02002583 | 8     | Halton 010                    | St Augustine's Catholic Primary School & Nursery                                              | Chapel    | 0.42%  |            |        |            |        |         |
| E02002585 | 12    | Halton 012                    | Runcorn Hill Park                                                                             | Chapel    | 0.64%  |            |        |            |        |         |
| E02002588 | 11    | Halton 015                    | Palace Fields Primary Academy                                                                 | Chapel    | 0.58%  |            |        |            |        |         |
| E02001327 | 9     | Knowsley 001                  | NE Kirkby                                                                                     | M57 N     | 0.48%  |            |        |            |        |         |
| E02001329 | 9     | Knowsley 003                  | Kirkby Shopping Centre, Kirkby High School, Knowsley Community College (Kirkby Campus)        | M57 N     | 0.80%  |            |        |            |        |         |
| E02001330 | 6     | Knowsley 004                  | Kirkby                                                                                        | M57 N     | 0.32%  |            |        |            |        |         |
| E02001331 | 54    | Knowsley 005                  | Knowsley Industrial Park                                                                      | M57 N     | 2.86%  |            |        |            |        |         |
| E02001333 | 49    | Knowsley 007                  | Presot Town Centre                                                                            | Fox's     | 1.56%  | M57 N      | 1.04%  |            |        |         |
| E02001334 | 9     | Knowsley 008                  | Page Moss                                                                                     | M62 W     | 0.48%  |            |        |            |        |         |
| E02001335 | 69    | Knowsley 009                  | Whiston, Whiston Hospital, E Prescott                                                         | Fox's     | 3.66%  |            |        |            |        |         |
| E02001336 | 5     | Knowsley 010                  | Knowsley Safari Park                                                                          | M57 N     | 0.27%  |            |        |            |        |         |
| E02001337 | 15    | Knowsley 011                  | Huyton & Prescott Golf Course                                                                 | M57 N     | 0.80%  |            |        |            |        |         |
| E02001338 | 11    | Knowsley 012                  | S Page Moss                                                                                   | M62 W     | 0.58%  |            |        |            |        |         |
| E02001339 | 15    | Knowsley 013                  | Whiston Lane Station                                                                          | Windy     | 0.80%  |            |        |            |        |         |
| E02001340 | 10    | Knowsley 014                  | Swanside, Bowring Park                                                                        | M62 W     | 0.53%  |            |        |            |        |         |
| E02001341 | 78    | Knowsley 015                  | E Huyton                                                                                      | A5080 W   | 4.14%  |            |        |            |        |         |
| E02001342 | 41    | Knowsley 016                  | Huyton Town Centre, Knowsley Community College, Roby Train Station, Huyton Train Station      | A5080 W   | 2.17%  |            |        |            |        |         |
| E02001343 | 73    | Knowsley 017                  | Cronton, W Halewood, Interchange Motorway Estate                                              | A5080 W   | 1.55%  | Windy      |        | 1.55%      | Chapel | 0.77%   |
| E02001344 | 6     | Knowsley 018                  | Halewood Green, Maple Lodge Care Home                                                         | Alder     | 0.19%  | A5080 W    | 0.13%  |            |        |         |
| E02001345 | 13    | Knowsley 019                  | Plantation Primary School, Halewood Triangle Country Park                                     | Alder     | 0.69%  |            |        |            |        |         |
| E02001346 | 41    | Knowsley 020                  | Wood Road Park                                                                                | Alder     | 2.17%  |            |        |            |        |         |
| E02001347 | 19    | Liverpool 001                 | Fazakerley High School, Fazakerley Primary School                                             | M57 N     | 1.01%  |            |        |            |        |         |
| E02001350 | 6     | Liverpool 004                 | Gilmoss, St John Bosco Arts College                                                           | M57 N     | 0.32%  |            |        |            |        |         |
| E02001351 | 9     | Liverpool 005                 | Archbishop Beck Catholic Sports College, Aintree Hospital                                     | M57 N     | 0.48%  |            |        |            |        |         |
| E02001354 | 5     | Liverpool 008                 | Liver Industrial Estate, Jacobs                                                               | M57 N     | 0.27%  |            |        |            |        |         |
| E02001360 | 11    | Liverpool 014                 | N Kirkdale                                                                                    | M62 W     | 0.35%  | M57 N      | 0.23%  |            |        |         |
| E02001366 | 9     | Liverpool 020                 | West Derby School, Lister Infant School                                                       | M62 W     | 0.48%  |            |        |            |        |         |
| E02001368 | 11    | Liverpool 022                 | Huskisson Dock, New Everton Stadium, S Kirkdale                                               | M62 W     | 0.29%  | M57 N      | 0.29%  |            |        |         |
| E02001369 | 14    | Liverpool 023                 | Everton                                                                                       | M62 W     | 0.74%  |            |        |            |        |         |
| E02001370 | 7     | Liverpool 024                 | St Margarets Anfield Primary School, ASDA, Whitefield Primary School                          | M62 W     | 0.37%  |            |        |            |        |         |
| E02001372 | 55    | Liverpool 026                 | Alder Hey Children's Hospital, Broadgreen Hospital, Broughton Hall High School, Knotty Ash    |           |        |            |        |            |        |         |
| E02001373 | 17    | Liverpool 027                 | Primary School                                                                                | M62 W     | 2.92%  |            |        |            |        |         |
| E02001374 | 18    | Liverpool 028                 | Fairfield, Liverpool Shopping Park                                                            | M62 W     | 0.90%  |            |        |            |        |         |
| E02001375 | 7     | Liverpool 029                 | Liverpool Innovation Park, TJ Hughes, Barclays                                                | M62 W     | 0.95%  |            |        |            |        |         |
| E02001377 | 46    | Liverpool 031                 | Old Swan Library, Broadgreen Primary School                                                   | M62 W     | 0.37%  |            |        |            |        |         |
| E02001380 | 5     | Liverpool 034                 | Royal Liverpool Hospital, Liverpool Women's Hospital, University of Liverpool                 | M62 W     | 2.44%  |            |        |            |        |         |
| E02001381 | 19    | Liverpool 036                 | Broad Green, Northway Primary School and Nursery                                              | M62 W     | 0.27%  |            |        |            |        |         |
| E02001382 | 5     | Liverpool 037                 | Wavertree Technology Park, Archbishop Blanch High School                                      | M62 W     | 1.01%  |            |        |            |        |         |
| E02001383 | 7     | Liverpool 038                 | Childwall, St Paschal Baylon Catholic Primary School                                          | M62 W     | 0.27%  |            |        |            |        |         |
| E02001384 | 5     | Liverpool 039                 | Canning/ Gerogian Quarter, Liverpool Cathedral                                                | M62 W     | 0.37%  |            |        |            |        |         |
| E02001385 | 5     | Liverpool 039                 | S. Wavertree, Smithdown Rd                                                                    | M62 W     | 0.27%  |            |        |            |        |         |
| E02001386 | 13    | Liverpool 040                 | Toxteth, Lodge Ln                                                                             | M62 W     | 0.27%  |            |        |            |        |         |
| E02001387 | 15    | Liverpool 041                 | Belle Vale, Belle Vale Health Centre                                                          | M62 W     | 0.41%  | A5080 W    | 0.28%  |            |        |         |
| E02001388 | 12    | Liverpool 042                 | King David Campus, Liverpool Hope University                                                  | M62 W     | 0.80%  |            |        |            |        |         |
| E02001389 | 6     | Liverpool 043                 | The Royal School for the Blind, The Blue Coat School, Liverpool College, Spire Hospital       | M62 W     | 0.64%  |            |        |            |        |         |
| E02001391 | 10    | Liverpool 045                 | Princes Park, Bellerive FJC Catholic College                                                  | M62 W     | 0.19%  | Alder      | 0.13%  |            |        |         |
| E02001392 | 9     | Liverpool 046                 | Netherley                                                                                     | Alder     | 0.53%  |            |        |            |        |         |
| E02001393 | 13    | Liverpool 047                 | Woolton High School, Reynolds Park                                                            | Alder     | 0.29%  | A5080 W    | 0.19%  |            |        |         |
| E02001394 | 13    | Liverpool 048                 | Liverpool Hope University, Calderstones School, Abbot's Lea School                            | M62 W     | 0.67%  | Alder      | 0.45%  |            |        |         |
| E02001395 | 10    | Liverpool 049                 | Mossley Hill Hospital, St Hilda's High School                                                 | M62 W     | 0.41%  | Alder      | 0.28%  |            |        |         |
| E02001396 | 10    | Liverpool 050                 | Tesco, Dovedale Primary School                                                                | M62 W     | 0.53%  |            |        |            |        |         |
| E02001397 | 19    | Liverpool 051                 | Dingle                                                                                        | M62 W     | 0.32%  | Alder      | 0.21%  |            |        |         |
| E02001398 | 6     | Liverpool 052                 | Woolton Village, Sainsburys, Woolton Primary School                                           | Alder     | 1.01%  |            |        |            |        |         |
| E02001400 | 5     | Liverpool 054                 | Liverpool Festival Gardens, Brigadier Phillip Toosey Barracks                                 | M62 W     | 0.32%  |            |        |            |        |         |
| E02001401 | 29    | Liverpool 055                 | Alberton Primary School, Triumph Business Park                                                | M57 S     | 0.16%  | Alder      | 0.11%  |            |        |         |
| E02001402 | 7     | Liverpool 056                 | Alopp High School                                                                             | M62 W     | 0.77%  | M57 N      | 0.77%  |            |        |         |
| E02001403 | 10    | Liverpool 057                 | Monksdown Primary School                                                                      | M62 W     | 0.37%  |            |        |            |        |         |
| E02001404 | 126   | Liverpool 058                 | Garston, Garston IE                                                                           | M57 S     | 0.27%  | Alder      | 0.13%  | Chapel     | 0.13%  |         |
| E02001405 | 12    | Liverpool 059                 | Liverpool Airport, Estuary Banks Business Park, New Mersey Retail Park, Skypark International | M57 S     | 3.34%  | Alder      | 1.67%  | Chapel     | 1.67%  |         |
| E02006932 | 57    | Liverpool 060                 | Industrial Estate                                                                             | M57 S     | 0.32%  | Alder      | 0.16%  | Chapel     | 0.16%  |         |
| E02006933 | 50    | Liverpool 061                 | Speke Shopping Park, Morrisons, Iceland, Lifestyles gym                                       | M62 W     | 3.02%  |            |        |            |        |         |
| E02006934 | 58    | Liverpool 062                 | Liverpool City Centre, Lime Street, Cavern Quarter                                            | M62 W     | 2.65%  |            |        |            |        |         |
| E02001097 | 8     | Manchester 053                | Liverpool Waterfront                                                                          | M62 W     | 3.08%  |            |        |            |        |         |
| E02006902 | 7     | Manchester 054                | Liverpool City Centre                                                                         | M62 E     | 0.42%  |            |        |            |        |         |
| E02001160 | 5     | Salford 004                   | Manchester Airport                                                                            | M62 E     | 0.37%  |            |        |            |        |         |
| E02001178 | 5     | Salford 022                   | Manchester City Centre, Victoria Station                                                      | M62 E     | 0.27%  |            |        |            |        |         |
| E02001184 | 10    | Salford 028                   | S Little Hulton                                                                               | M62 E     | 0.27%  |            |        |            |        |         |
| E02001448 | 7     | Sefton 020                    | University of Salford, Blackfiars                                                             | M62 E     | 0.53%  |            |        |            |        |         |
| E02001455 | 6     | Sefton 027                    | Salford Quays, Ordsall                                                                        | M57 N     | 0.37%  |            |        |            |        |         |
| E02001457 | 10    | Sefton 029                    | SW Maghull, Sefton Meadows Garden Centre                                                      | M57 N     | 0.32%  |            |        |            |        |         |
| E02001460 | 5     | Sefton 032                    | Aintree Retail Park & Aintree Racecourse                                                      | M57 N     | 0.53%  |            |        |            |        |         |
| E02001461 | 10    | Sefton 033                    | Netherton & Litherland                                                                        | M57 N     | 0.27%  |            |        |            |        |         |
| E02001463 | 6     | Sefton 035                    | Seaforth & Waterloo                                                                           | M57 N     | 0.53%  |            |        |            |        |         |
| E02001465 | 15    | Sefton 037                    | Savio Salesian College                                                                        | M57 N     | 0.32%  |            |        |            |        |         |
| E02001410 | 14    | St. Helens 005                | Trinity Park, Bootle Cemetery                                                                 | M62 W     | 0.40%  | M57 N      | 0.40%  |            |        |         |
| E02001412 | 12    | St. Helens 007                | Bootle Centre                                                                                 | Fox's     | 0.37%  | A5080 E    | 0.37%  |            |        |         |
| E02001417 | 22    | St. Helens 012                | St. Helens                                                                                    | Fox's     | 0.32%  | A5080 E    | 0.32%  |            |        |         |
| E02001419 | 17    | St. Helens 014                | Denton's Green                                                                                | Fox's     | 0.58%  | A5080 E    | 0.58%  |            |        |         |
| E02001421 | 5     | St. Helens 016                | St. Helens College                                                                            | Fox's     | 0.45%  | A5080 E    | 0.45%  |            |        |         |
| E02001423 | 7     | St. Helens 018                | Holy Trinity Church                                                                           | Fox's     | 0.27%  |            |        |            |        |         |
| E02001424 | 12    | St. Helens 019                | Taylor Park                                                                                   | Fox's     | 0.37%  |            |        |            |        |         |
| E02001426 | 20    | St. Helens 021                | West Park Rugby Club                                                                          | Fox's     | 0.64%  |            |        |            |        |         |
| E02001427 | 6     | St. Helens 022                | The Clng                                                                                      | Fox's     | 1.06%  |            |        |            |        |         |
| E02001428 | 10    | St. Helens 023                | Rainhill Station                                                                              | Fox's     | 0.32%  |            |        |            |        |         |
| E02002592 | 5     | Warrington 003                | Sutton Manor                                                                                  | A5080 E   | 0.53%  |            |        |            |        |         |
| E02002593 | 15    | Warrington 004                | Oakdene Primary School                                                                        | Fox's     | 0.27%  |            |        |            |        |         |
| E02002598 | 28    | Warrington 009                | Burtonwood, Winwick                                                                           | A5080 E   | 0.80%  |            |        |            |        |         |
| E02003600 | 7     | Warrington 011                | N Birchwood                                                                                   | A5080 E   | 0.80%  |            |        |            |        |         |
| E02002602 | 22    | Warrington 013                | Barrow Hall Primary School                                                                    | A5080 E   | 1.48%  |            |        |            |        |         |
| E02002607 | 17    | Warrington 018                | Warrington & Vale Royal College, Beaumont Collegiate Academy                                  | A5080 E   | 0.37%  |            |        |            |        |         |
| E02002613 | 6     | Warrington 024                | Dallam Rec Playground                                                                         | A5080 E   | 1.17%  |            |        |            |        |         |
| E02005317 | 5     | West Lancashire 014           | Warrington Town Centre                                                                        | A5080 E   | 0.90%  |            |        |            |        |         |
| E02001294 | 5     | Wigan 008                     | Stretton, Appleton Thorn, W Thelwall                                                          | Chapel    | 0.32%  |            |        |            |        |         |
| E02001297 | 5     | Wigan 011                     | Digmoor                                                                                       | M57 N     | 0.27%  |            |        |            |        |         |
| E02001472 | 6     | Wirral 006                    | Wigan Centre, S Gidlow                                                                        | A5080 E   | 0.27%  |            |        |            |        |         |
| E02001482 | 9     | Wirral 016                    | W Kitt Green                                                                                  | A5080 E   | 0.27%  |            |        |            |        |         |
| E02001487 | 5     | Wirral 021                    | The Kingsway Academy, Holy Spirit Primary School                                              | M62 W     | 0.32%  |            |        |            |        |         |
| E02001505 | 5     | Wirral 039                    | N Birkenhead, Hamilton Square                                                                 | M62 W     | 0.48%  |            |        |            |        |         |
|           |       |                               | S Birkenhead, Cammell Laird                                                                   | M62 W     | 0.27%  |            |        |            |        |         |
|           |       |                               | Bromborough                                                                                   | Chapel    | 0.13%  | M62 W      | 0.13%  |            |        |         |
|           | 1886  |                               |                                                                                               |           | 85.21% |            | 12.06% |            | 2.74%  | 100.00% |

| Proposed Vehicle Trip Rates            |               |        |        |       | 120     |             |    |  |               | 60            |    |  |               |                    |
|----------------------------------------|---------------|--------|--------|-------|---------|-------------|----|--|---------------|---------------|----|--|---------------|--------------------|
| No. dwells =                           |               |        |        |       |         |             |    |  |               | 57            |    |  |               |                    |
| AM Peak =                              |               |        |        |       |         |             |    |  |               |               |    |  |               |                    |
| PM Peak =                              |               |        |        |       |         |             |    |  |               |               |    |  |               |                    |
| Routes                                 | Abbreviations | Pri%   | Sec%   | Ter%  | Total   | Trips AM Pe |    |  | Trips PM Peak | Trips AM Peak |    |  | Trips PM Peak |                    |
| 1 A5080 Cronton Road East (Warrington) | A5080 E       | 7.7%   | 3.6%   | 0.0%  | 11.3%   | 7           | 6  |  |               | 35            | 34 |  |               | Tarbock Roundabout |
| 2 Chapel Lane (Widnes)                 | Chapel        | 8.2%   | 0.3%   | 2.7%  | 11.3%   | 7           | 6  |  |               | 14            | 13 |  |               | Signals            |
| 3 Smithy Lane/ Hall Lane (Rainhill)    | Hall          | 0.0%   | 0.0%   | 0.0%  | 0.0%    | 0           | 0  |  |               |               |    |  |               |                    |
| 4 Alder Lane (south Liverpool)         | Alder         | 5.6%   | 3.1%   | 0.0%  | 8.8%    | 5           | 5  |  |               |               |    |  |               |                    |
| 5 Fox's Bank Lane (Prescot)            | Fox's         | 9.8%   | 0.0%   | 0.0%  | 9.8%    | 6           | 6  |  |               |               |    |  |               |                    |
| 6 M57 South (Speke)                    | M57 S         | 4.1%   | 0.0%   | 0.0%  | 4.1%    | 2           | 2  |  |               |               |    |  |               |                    |
| 7 M62 West (Liverpool)                 | M62 W         | 29.1%  | 0.1%   | 0.0%  | 29.2%   | 18          | 17 |  |               |               |    |  |               |                    |
| 8 A5080 Cronton Road West (Huyton)     | A5080 W       | 7.9%   | 0.6%   | 0.0%  | 8.5%    | 5           | 5  |  |               |               |    |  |               |                    |
| 9 M57 North (Knowsley)                 | M57 N         | 10.2%  | 2.7%   | 0.0%  | 12.9%   | 8           | 7  |  |               |               |    |  |               |                    |
| 10 Windy Arbor Road (Whiston)          | Windy         | 0.8%   | 1.5%   | 0.0%  | 2.3%    | 1           | 1  |  |               |               |    |  |               |                    |
| 11 M62 E (Manchester)                  | M62 E         | 1.9%   | 0.0%   | 0.0%  | 1.9%    | 1           | 1  |  |               |               |    |  |               |                    |
|                                        |               | 85.21% | 12.06% | 2.74% | 100.00% | 60          | 57 |  |               |               |    |  |               |                    |



| Routes                                                            | Development traffic | AM Trips | PM Trips |
|-------------------------------------------------------------------|---------------------|----------|----------|
| 1 A5080 Cronton Road (East) - towards Warrington                  | 11%                 | 7        | 6        |
| 2 A5080 Cronton Road/ Chapel Lane - towards Widnes                | 11%                 | 7        | 6        |
| 3 A5080 Cronton Road W/ Alder Lane - towards south Liverpool      | 9%                  | 5        | 5        |
| 4 A5080 Cronton Road W/ Fox's Bank Lane - towards Whiston         | 10%                 | 6        | 6        |
| 5 A5080 Cronton Road W/ M57 (South) - towards Speke               | 4%                  | 2        | 2        |
| 6 A5080 Cronton Road W/M62 (West) - towards Liverpool City Centre | 29%                 | 18       | 17       |
| 7 A5080 Cronton Road West - towards Huyton                        | 8%                  | 5        | 5        |
| 8 A5080 Cronton Road W/M57 North - towards Knowsley               | 13%                 | 8        | 7        |
| 9 A5080 Cronton Road W/Windy Arbor Road - towards Whiston         | 2%                  | 1        | 1        |
| 10 A5080 Cronton Road W/M62 (East) - towards Manchester           | 2%                  | 1        | 1        |
| Total                                                             | 100%                | 60       | 57       |

|   | Junctions                                                       | development traff | AM Trips | PM Trips |
|---|-----------------------------------------------------------------|-------------------|----------|----------|
| 1 | A5080 Cronton Road/ Chapel Lane/ Smithy Lane (signals)          | 23%               | 14       | 13       |
| 2 | A5080 Cronton Road/ Alder Lane (priority)                       | 77%               | 46       | 44       |
| 3 | A5080 Cronton Road/ Fox's Bank Lane/ Prescott Road (roundabout) | 69%               | 41       | 39       |
| 4 | Tarbock Roundabout                                              | 59%               | 35       | 34       |

## APPENDIX L

### MODEL REPORT OUTPUTS

| Junctions 11                                                                                                                                                     |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| PICADY 11 - Priority Intersection Module                                                                                                                         |  |  |  |
| Version: 11.1.0.2307                                                                                                                                             |  |  |  |
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**Filename:** Import of SA-Cronton.j11

**Path:** C:\Users\b.gaze\Prime Transport Planning\PrimeSharepoint - Documents\Projects 2025\P25012 - Cronton Road, Town End, Widnes\6.Technical\Models

**Report generation date:** 11/12/2025 10:01:38

»D1 - 2032 | With Development | AM

»D2 - 2032 | With Development | PM

## File summary

### File Description

|                    |                                   |
|--------------------|-----------------------------------|
| <b>Title</b>       | Cronton Road/Proposed Site Access |
| <b>Location</b>    | Cronton                           |
| <b>Site number</b> |                                   |
| <b>Date</b>        | 11/12/2025                        |
| <b>Version</b>     |                                   |
| <b>Status</b>      | Final                             |
| <b>Identifier</b>  |                                   |
| <b>Client</b>      | Bellway                           |
| <b>Jobnumber</b>   | P25012                            |
| <b>Enumerator</b>  | GHC\b.gaze                        |
| <b>Description</b> | Checked by D. Stoddart            |

## Units

| Distance units | Speed units | Traffic units input | Traffic units results | Flow units | Average delay units | Total delay units | Rate of delay units |
|----------------|-------------|---------------------|-----------------------|------------|---------------------|-------------------|---------------------|
| m              | kph         | PCU                 | PCU                   | perHour    | s                   | -Min              | perMin              |

## Analysis Options

| PICADY short flare model | Vehicle length (m) | Calculate Queue Percentiles | Calculate detailed queueing delay | Show lane queues in feet / metres | Show all PICADY stream intercepts | Calculate residual capacity | RFC Threshold | Average Delay threshold (s) | Queue threshold (PCU) | Use simulation for HCM roundabouts | Use iterations for HCM roundabouts |
|--------------------------|--------------------|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------|---------------|-----------------------------|-----------------------|------------------------------------|------------------------------------|
| PICADY 4.1               | 5.75               |                             |                                   |                                   |                                   |                             | 0.85          | 36.00                       | 20.00                 |                                    |                                    |

## Demand Set Summary

| ID | Year | Scenario         | Time period | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) | Run automatically |
|----|------|------------------|-------------|----------------------|--------------------|---------------------|---------------------------|-------------------|
| D1 | 2032 | With Development | AM          | ONE HOUR             | 07:45              | 09:15               | 15                        | ✓                 |
| D2 | 2032 | With Development | PM          | ONE HOUR             | 16:30              | 18:00               | 15                        | ✓                 |

## Analysis Set Details

| ID | Include in report | Network flow scaling factor (%) | Network capacity scaling factor (%) |
|----|-------------------|---------------------------------|-------------------------------------|
| A1 | ✓                 | 100.000                         | 100.000                             |

# D1 - 2032 | With Development | AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

| Junction | Name                              | Junction type | Arm A Direction | Arm B Direction | Arm C Direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|-----------------------------------|---------------|-----------------|-----------------|-----------------|-----------------------|--------------------|--------------|
| 1        | Cronton Road/Proposed Site Access | T-Junction    | Two-way         | Two-way         | Two-way         |                       | 0.59               | A            |

### Junction Network

| Driving side | Lighting       | Network delay (s) | Network LOS |
|--------------|----------------|-------------------|-------------|
| Left         | Normal/unknown | 0.59              | A           |

## Arms

### Arms

| Arm | Name                       | Description | Arm type |
|-----|----------------------------|-------------|----------|
| A   | Cronton Road (Western Arm) |             | Major    |
| B   | Proposed Site Access       |             | Minor    |
| C   | Cronton Road (Eastern Arm) |             | Major    |

### Major Arm Geometry

| Arm                            | Width of carriageway (m) | Has kerbed central reserve | Has right-turn storage | Visibility for right turn (m) | Blocks? | Blocking queue (PCU) |
|--------------------------------|--------------------------|----------------------------|------------------------|-------------------------------|---------|----------------------|
| C - Cronton Road (Eastern Arm) | 6.50                     |                            |                        | 94.4                          | ✓       | 0.00                 |

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

### Minor Arm Geometry

| Arm                      | Minor arm type | Lane width (m) | Visibility to left (m) | Visibility to right (m) |
|--------------------------|----------------|----------------|------------------------|-------------------------|
| B - Proposed Site Access | One lane       | 2.75           | 23                     | 21                      |

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

| Stream | Intercept (PCU/hr) | Slope for A-B | Slope for A-C | Slope for C-A | Slope for C-B |
|--------|--------------------|---------------|---------------|---------------|---------------|
| B-A    | 483                | 0.086         | 0.218         | 0.137         | 0.311         |
| B-C    | 621                | 0.093         | 0.236         | -             | -             |
| C-B    | 629                | 0.238         | 0.238         | -             | -             |

The slopes and intercepts shown above include custom intercept adjustments only.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

## Traffic Demand

### Demand Set Details

| ID | Year | Scenario         | Time period | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) | Run automatically |
|----|------|------------------|-------------|----------------------|--------------------|---------------------|---------------------------|-------------------|
| D1 | 2032 | With Development | AM          | ONE HOUR             | 07:45              | 09:15               | 15                        | ✓                 |

### Demand overview (Traffic)

| Arm                            | Linked arm | Profile type | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|--------------------------------|------------|--------------|--------------|-------------------------|--------------------|
| A - Cronton Road (Western Arm) |            | ONE HOUR     | ✓            | 551                     | 100.000            |
| B - Proposed Site Access       |            | ONE HOUR     | ✓            | 43                      | 100.000            |
| C - Cronton Road (Eastern Arm) |            | ONE HOUR     | ✓            | 489                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

| From                           | To |                                |                          |                                |
|--------------------------------|----|--------------------------------|--------------------------|--------------------------------|
|                                |    | A - Cronton Road (Western Arm) | B - Proposed Site Access | C - Cronton Road (Eastern Arm) |
| A - Cronton Road (Western Arm) |    | 0                              | 13                       | 538                            |
| B - Proposed Site Access       |    | 33                             | 0                        | 10                             |
| C - Cronton Road (Eastern Arm) |    | 485                            | 4                        | 0                              |

## Vehicle Mix

| HV data entry mode | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Heavy Vehicle %

| From                           | To |                                |                          |                                |
|--------------------------------|----|--------------------------------|--------------------------|--------------------------------|
|                                |    | A - Cronton Road (Western Arm) | B - Proposed Site Access | C - Cronton Road (Eastern Arm) |
| A - Cronton Road (Western Arm) |    | 0                              | 0                        | 4                              |
| B - Proposed Site Access       |    | 0                              | 0                        | 0                              |
| C - Cronton Road (Eastern Arm) |    | 3                              | 0                        | 0                              |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS | Average Demand (PCU/hr) | Total Junction Arrivals (PCU) |
|--------|---------|---------------|-----------------|---------|-------------------------|-------------------------------|
| B-AC   | 0.15    | 13.77         | 0.2             | B       | 39                      | 59                            |
| C-AB   | 0.01    | 4.67          | 0.0             | A       | 8                       | 12                            |
| C-A    |         |               |                 |         | 441                     | 661                           |
| A-B    |         |               |                 |         | 12                      | 18                            |
| A-C    |         |               |                 |         | 494                     | 741                           |

# D2 - 2032 | With Development | PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

| Junction | Name                              | Junction type | Arm A Direction | Arm B Direction | Arm C Direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|-----------------------------------|---------------|-----------------|-----------------|-----------------|-----------------------|--------------------|--------------|
| 1        | Cronton Road/Proposed Site Access | T-Junction    | Two-way         | Two-way         | Two-way         |                       | 0.33               | A            |

### Junction Network

| Driving side | Lighting       | Network delay (s) | Network LOS |
|--------------|----------------|-------------------|-------------|
| Left         | Normal/unknown | 0.33              | A           |

## Traffic Demand

### Demand Set Details

| ID | Year | Scenario         | Time period | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) | Run automatically |
|----|------|------------------|-------------|----------------------|--------------------|---------------------|---------------------------|-------------------|
| D2 | 2032 | With Development | PM          | ONE HOUR             | 16:30              | 18:00               | 15                        | ✓                 |

### Demand overview (Traffic)

| Arm                            | Linked arm | Profile type | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|--------------------------------|------------|--------------|--------------|-------------------------|--------------------|
| A - Cronton Road (Western Arm) |            | ONE HOUR     | ✓            | 393                     | 100.000            |
| B - Proposed Site Access       |            | ONE HOUR     | ✓            | 19                      | 100.000            |
| C - Cronton Road (Eastern Arm) |            | ONE HOUR     | ✓            | 490                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|      | To                             |                                |                          |                                |
|------|--------------------------------|--------------------------------|--------------------------|--------------------------------|
|      |                                | A - Cronton Road (Western Arm) | B - Proposed Site Access | C - Cronton Road (Eastern Arm) |
| From | A - Cronton Road (Western Arm) | 0                              | 29                       | 364                            |
|      | B - Proposed Site Access       | 15                             | 0                        | 4                              |
|      | C - Cronton Road (Eastern Arm) | 481                            | 9                        | 0                              |

## Vehicle Mix

| HV data entry mode | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Heavy Vehicle %

|      | To                             |                                |                          |                                |
|------|--------------------------------|--------------------------------|--------------------------|--------------------------------|
|      |                                | A - Cronton Road (Western Arm) | B - Proposed Site Access | C - Cronton Road (Eastern Arm) |
| From | A - Cronton Road (Western Arm) | 0                              | 0                        | 2                              |
|      | B - Proposed Site Access       | 0                              | 0                        | 0                              |
|      | C - Cronton Road (Eastern Arm) | 1                              | 0                        | 0                              |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS | Average Demand (PCU/hr) | Total Junction Arrivals (PCU) |
|--------|---------|---------------|-----------------|---------|-------------------------|-------------------------------|
| B-AC   | 0.06    | 11.06         | 0.1             | B       | 17                      | 26                            |
| C-AB   | 0.03    | 4.55          | 0.0             | A       | 18                      | 27                            |
| C-A    |         |               |                 |         | 432                     | 648                           |
| A-B    |         |               |                 |         | 27                      | 40                            |
| A-C    |         |               |                 |         | 334                     | 501                           |