

Appendix H: Multi-Modal TRICS Output

Calculation Reference: AUDIT-705118-241120-1109

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

05	EAST MIDLANDS	
	DY DERBY	1 days
	LE LEICESTERSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WK WARWICKSHIRE	1 days
08	NORTH WEST	
	AC CHESHIRE WEST & CHESTER	2 days
09	NORTH	
	DH DURHAM	1 days

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

Tetra Tech Quay West Manchester

Licence No: 705118

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: 24 to 371 (units:)
Range Selected by User: 6 to 432 (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: 18/05/17 to 18/05/22

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	1 days
Tuesday	1 days
Wednesday	1 days
Thursday	2 days
Friday	3 days

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

Selected survey types:

Manual count	8 days
Directional ATC Count	0 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:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	5
Neighbourhood Centre (PPS6 Local Centre)	2

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	6
Village	2

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	8 days - Selected
Servicing vehicles Excluded	3 days - Selected

Secondary Filtering selection:**Use Class:**

C3	8 days
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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	1 days
5,001 to 10,000	3 days
10,001 to 15,000	4 days

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

Population within 5 miles:

50,001 to 75,000	2 days
75,001 to 100,000	2 days
125,001 to 250,000	3 days
250,001 to 500,000	1 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	2 days
1.1 to 1.5	6 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	1 days
No	7 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	8 days
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This data displays the number of selected surveys with PTAL Ratings.

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Licence No: 705118

LIST OF SITES relevant to selection parameters

1	AC-03-A-04	TOWN HOUSES		CESHIRE WEST & CHESTER
	LONDON ROAD			
	NORTHWICH			
	LEFTWICH			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total No of Dwellings:	24		
	Survey date: THURSDAY	06/06/19	Survey Type: MANUAL	
2	AC-03-A-06	DETACHED HOUSES		CESHIRE WEST & CHESTER
	COMMON LANE			
	NEAR CHESTER			
	WAVERTON			
	Neighbourhood Centre (PPS6 Local Centre)			
	Village			
	Total No of Dwellings:	99		
	Survey date: FRIDAY	29/04/22	Survey Type: MANUAL	
3	DH-03-A-03	SEMI-DETACHED & TERRACED		DURHAM
	PILGRIMS WAY			
	DURHAM			
	Edge of Town			
	Residential Zone			
	Total No of Dwellings:	57		
	Survey date: FRIDAY	19/10/18	Survey Type: MANUAL	
4	DY-03-A-01	MIXED HOUSES		DERBY
	RADBOURNE LANE			
	DERBY			
	Edge of Town			
	Residential Zone			
	Total No of Dwellings:	371		
	Survey date: TUESDAY	10/07/18	Survey Type: MANUAL	
5	LE-03-A-02	DETACHED & OTHERS		LEICESTERSHIRE
	MELBOURNE ROAD			
	IBSTOCK			
	Neighbourhood Centre (PPS6 Local Centre)			
	Village			
	Total No of Dwellings:	85		
	Survey date: THURSDAY	28/06/18	Survey Type: MANUAL	
6	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	
7	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	
8	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	

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
AC-03-A-05	COVID
NY-03-A-14	Bungalow

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

MULTI-MODAL TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Total People to Total Vehicles ratio (all time periods and directions): 1.62

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	8	121	0.094	8	121	0.391	8	121	0.485
08:00 - 09:00	8	121	0.133	8	121	0.388	8	121	0.521
09:00 - 10:00	8	121	0.120	8	121	0.176	8	121	0.296
10:00 - 11:00	8	121	0.120	8	121	0.148	8	121	0.268
11:00 - 12:00	8	121	0.128	8	121	0.120	8	121	0.248
12:00 - 13:00	8	121	0.150	8	121	0.165	8	121	0.315
13:00 - 14:00	8	121	0.143	8	121	0.134	8	121	0.277
14:00 - 15:00	8	121	0.164	8	121	0.153	8	121	0.317
15:00 - 16:00	8	121	0.239	8	121	0.168	8	121	0.407
16:00 - 17:00	8	121	0.277	8	121	0.167	8	121	0.444
17:00 - 18:00	8	121	0.337	8	121	0.132	8	121	0.469
18:00 - 19:00	8	121	0.277	8	121	0.112	8	121	0.389
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.182			2.254			4.436

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:	24 - 371 (units:)
Survey date range:	18/05/17 - 18/05/22
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	2

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.

Tetra Tech Quay West Manchester

Licence No: 705118

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

MULTI-MODAL TAXIS

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	8	121	0.000	8	121	0.000	8	121	0.000
08:00 - 09:00	8	121	0.008	8	121	0.007	8	121	0.015
09:00 - 10:00	8	121	0.004	8	121	0.004	8	121	0.008
10:00 - 11:00	8	121	0.004	8	121	0.004	8	121	0.008
11:00 - 12:00	8	121	0.000	8	121	0.000	8	121	0.000
12:00 - 13:00	8	121	0.002	8	121	0.002	8	121	0.004
13:00 - 14:00	8	121	0.003	8	121	0.002	8	121	0.005
14:00 - 15:00	8	121	0.005	8	121	0.005	8	121	0.010
15:00 - 16:00	8	121	0.004	8	121	0.004	8	121	0.008
16:00 - 17:00	8	121	0.002	8	121	0.002	8	121	0.004
17:00 - 18:00	8	121	0.002	8	121	0.002	8	121	0.004
18:00 - 19:00	8	121	0.001	8	121	0.003	8	121	0.004
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.035			0.035			0.070

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.

Tetra Tech Quay West Manchester

Licence No: 705118

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

MULTI-MODAL OGVS

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	8	121	0.002	8	121	0.000	8	121	0.002
08:00 - 09:00	8	121	0.006	8	121	0.004	8	121	0.010
09:00 - 10:00	8	121	0.003	8	121	0.003	8	121	0.006
10:00 - 11:00	8	121	0.004	8	121	0.004	8	121	0.008
11:00 - 12:00	8	121	0.002	8	121	0.000	8	121	0.002
12:00 - 13:00	8	121	0.006	8	121	0.008	8	121	0.014
13:00 - 14:00	8	121	0.007	8	121	0.004	8	121	0.011
14:00 - 15:00	8	121	0.001	8	121	0.005	8	121	0.006
15:00 - 16:00	8	121	0.003	8	121	0.005	8	121	0.008
16:00 - 17:00	8	121	0.002	8	121	0.002	8	121	0.004
17:00 - 18:00	8	121	0.000	8	121	0.001	8	121	0.001
18:00 - 19:00	8	121	0.001	8	121	0.001	8	121	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.037			0.037			0.074

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.

Tetra Tech Quay West Manchester

Licence No: 705118

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

MULTI-MODAL PSVS

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	8	121	0.000	8	121	0.000	8	121	0.000
08:00 - 09:00	8	121	0.000	8	121	0.000	8	121	0.000
09:00 - 10:00	8	121	0.000	8	121	0.000	8	121	0.000
10:00 - 11:00	8	121	0.000	8	121	0.000	8	121	0.000
11:00 - 12:00	8	121	0.000	8	121	0.000	8	121	0.000
12:00 - 13:00	8	121	0.000	8	121	0.000	8	121	0.000
13:00 - 14:00	8	121	0.000	8	121	0.000	8	121	0.000
14:00 - 15:00	8	121	0.000	8	121	0.000	8	121	0.000
15:00 - 16:00	8	121	0.000	8	121	0.000	8	121	0.000
16:00 - 17:00	8	121	0.000	8	121	0.000	8	121	0.000
17:00 - 18:00	8	121	0.000	8	121	0.000	8	121	0.000
18:00 - 19:00	8	121	0.001	8	121	0.001	8	121	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.001			0.001			0.002

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL CYCLISTS
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	8	121	0.004	8	121	0.003	8	121	0.007
08:00 - 09:00	8	121	0.006	8	121	0.005	8	121	0.011
09:00 - 10:00	8	121	0.003	8	121	0.003	8	121	0.006
10:00 - 11:00	8	121	0.004	8	121	0.001	8	121	0.005
11:00 - 12:00	8	121	0.002	8	121	0.007	8	121	0.009
12:00 - 13:00	8	121	0.001	8	121	0.000	8	121	0.001
13:00 - 14:00	8	121	0.002	8	121	0.001	8	121	0.003
14:00 - 15:00	8	121	0.001	8	121	0.002	8	121	0.003
15:00 - 16:00	8	121	0.004	8	121	0.007	8	121	0.011
16:00 - 17:00	8	121	0.007	8	121	0.001	8	121	0.008
17:00 - 18:00	8	121	0.004	8	121	0.006	8	121	0.010
18:00 - 19:00	8	121	0.004	8	121	0.007	8	121	0.011
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.042			0.043			0.085

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
 MULTI-MODAL VEHICLE OCCUPANTS
 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	8	121	0.112	8	121	0.541	8	121	0.653
08:00 - 09:00	8	121	0.161	8	121	0.649	8	121	0.810
09:00 - 10:00	8	121	0.155	8	121	0.231	8	121	0.386
10:00 - 11:00	8	121	0.147	8	121	0.186	8	121	0.333
11:00 - 12:00	8	121	0.165	8	121	0.162	8	121	0.327
12:00 - 13:00	8	121	0.212	8	121	0.219	8	121	0.431
13:00 - 14:00	8	121	0.193	8	121	0.184	8	121	0.377
14:00 - 15:00	8	121	0.227	8	121	0.216	8	121	0.443
15:00 - 16:00	8	121	0.378	8	121	0.235	8	121	0.613
16:00 - 17:00	8	121	0.430	8	121	0.236	8	121	0.666
17:00 - 18:00	8	121	0.496	8	121	0.181	8	121	0.677
18:00 - 19:00	8	121	0.402	8	121	0.156	8	121	0.558
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.078			3.196			6.274

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.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL PEDESTRIANS
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	8	121	0.018	8	121	0.029	8	121	0.047
08:00 - 09:00	8	121	0.030	8	121	0.055	8	121	0.085
09:00 - 10:00	8	121	0.019	8	121	0.019	8	121	0.038
10:00 - 11:00	8	121	0.020	8	121	0.019	8	121	0.039
11:00 - 12:00	8	121	0.022	8	121	0.019	8	121	0.041
12:00 - 13:00	8	121	0.014	8	121	0.010	8	121	0.024
13:00 - 14:00	8	121	0.009	8	121	0.014	8	121	0.023
14:00 - 15:00	8	121	0.019	8	121	0.025	8	121	0.044
15:00 - 16:00	8	121	0.060	8	121	0.033	8	121	0.093
16:00 - 17:00	8	121	0.034	8	121	0.018	8	121	0.052
17:00 - 18:00	8	121	0.028	8	121	0.022	8	121	0.050
18:00 - 19:00	8	121	0.030	8	121	0.026	8	121	0.056
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.303			0.289			0.592

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL BUS/TRAM PASSENGERS
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	8	121	0.000	8	121	0.018	8	121	0.018
08:00 - 09:00	8	121	0.000	8	121	0.018	8	121	0.018
09:00 - 10:00	8	121	0.004	8	121	0.008	8	121	0.012
10:00 - 11:00	8	121	0.009	8	121	0.005	8	121	0.014
11:00 - 12:00	8	121	0.006	8	121	0.009	8	121	0.015
12:00 - 13:00	8	121	0.003	8	121	0.005	8	121	0.008
13:00 - 14:00	8	121	0.003	8	121	0.004	8	121	0.007
14:00 - 15:00	8	121	0.005	8	121	0.005	8	121	0.010
15:00 - 16:00	8	121	0.021	8	121	0.005	8	121	0.026
16:00 - 17:00	8	121	0.021	8	121	0.001	8	121	0.022
17:00 - 18:00	8	121	0.012	8	121	0.004	8	121	0.016
18:00 - 19:00	8	121	0.013	8	121	0.000	8	121	0.013
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.097			0.082			0.179

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL TOTAL RAIL PASSENGERS
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	8	121	0.000	8	121	0.005	8	121	0.005
08:00 - 09:00	8	121	0.000	8	121	0.005	8	121	0.005
09:00 - 10:00	8	121	0.000	8	121	0.003	8	121	0.003
10:00 - 11:00	8	121	0.000	8	121	0.002	8	121	0.002
11:00 - 12:00	8	121	0.001	8	121	0.001	8	121	0.002
12:00 - 13:00	8	121	0.000	8	121	0.001	8	121	0.001
13:00 - 14:00	8	121	0.001	8	121	0.000	8	121	0.001
14:00 - 15:00	8	121	0.002	8	121	0.000	8	121	0.002
15:00 - 16:00	8	121	0.007	8	121	0.000	8	121	0.007
16:00 - 17:00	8	121	0.006	8	121	0.000	8	121	0.006
17:00 - 18:00	8	121	0.001	8	121	0.000	8	121	0.001
18:00 - 19:00	8	121	0.001	8	121	0.000	8	121	0.001
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.019			0.017			0.036

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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL PUBLIC TRANSPORT USERS
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	8	121	0.000	8	121	0.023	8	121	0.023
08:00 - 09:00	8	121	0.000	8	121	0.023	8	121	0.023
09:00 - 10:00	8	121	0.004	8	121	0.011	8	121	0.015
10:00 - 11:00	8	121	0.009	8	121	0.007	8	121	0.016
11:00 - 12:00	8	121	0.007	8	121	0.010	8	121	0.017
12:00 - 13:00	8	121	0.003	8	121	0.006	8	121	0.009
13:00 - 14:00	8	121	0.004	8	121	0.004	8	121	0.008
14:00 - 15:00	8	121	0.007	8	121	0.005	8	121	0.012
15:00 - 16:00	8	121	0.028	8	121	0.005	8	121	0.033
16:00 - 17:00	8	121	0.027	8	121	0.001	8	121	0.028
17:00 - 18:00	8	121	0.013	8	121	0.004	8	121	0.017
18:00 - 19:00	8	121	0.014	8	121	0.000	8	121	0.014
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.116			0.099			0.215

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.

Tetra Tech Quay West Manchester

Licence No: 705118

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL TOTAL PEOPLE
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period
Total People to Total Vehicles ratio (all time periods and directions): 1.62

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	8	121	0.134	8	121	0.595	8	121	0.729
08:00 - 09:00	8	121	0.197	8	121	0.732	8	121	0.929
09:00 - 10:00	8	121	0.181	8	121	0.264	8	121	0.445
10:00 - 11:00	8	121	0.180	8	121	0.213	8	121	0.393
11:00 - 12:00	8	121	0.196	8	121	0.198	8	121	0.394
12:00 - 13:00	8	121	0.230	8	121	0.235	8	121	0.465
13:00 - 14:00	8	121	0.208	8	121	0.203	8	121	0.411
14:00 - 15:00	8	121	0.254	8	121	0.248	8	121	0.502
15:00 - 16:00	8	121	0.470	8	121	0.281	8	121	0.751
16:00 - 17:00	8	121	0.498	8	121	0.256	8	121	0.754
17:00 - 18:00	8	121	0.542	8	121	0.213	8	121	0.755
18:00 - 19:00	8	121	0.451	8	121	0.189	8	121	0.640
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.541			3.627			7.168

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.

Tetra Tech Quay West Manchester

Licence No: 705118

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

MULTI-MODAL CARS

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	8	121	0.068	8	121	0.373	8	121	0.441
08:00 - 09:00	8	121	0.102	8	121	0.356	8	121	0.458
09:00 - 10:00	8	121	0.094	8	121	0.149	8	121	0.243
10:00 - 11:00	8	121	0.091	8	121	0.119	8	121	0.210
11:00 - 12:00	8	121	0.102	8	121	0.097	8	121	0.199
12:00 - 13:00	8	121	0.119	8	121	0.130	8	121	0.249
13:00 - 14:00	8	121	0.116	8	121	0.108	8	121	0.224
14:00 - 15:00	8	121	0.135	8	121	0.122	8	121	0.257
15:00 - 16:00	8	121	0.205	8	121	0.130	8	121	0.335
16:00 - 17:00	8	121	0.252	8	121	0.139	8	121	0.391
17:00 - 18:00	8	121	0.316	8	121	0.122	8	121	0.438
18:00 - 19:00	8	121	0.264	8	121	0.101	8	121	0.365
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.864			1.946			3.810

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.

Tetra Tech Quay West Manchester

Licence No: 705118

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

MULTI-MODAL LGVS

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	8	121	0.023	8	121	0.018	8	121	0.041
08:00 - 09:00	8	121	0.017	8	121	0.020	8	121	0.037
09:00 - 10:00	8	121	0.019	8	121	0.021	8	121	0.040
10:00 - 11:00	8	121	0.021	8	121	0.021	8	121	0.042
11:00 - 12:00	8	121	0.024	8	121	0.023	8	121	0.047
12:00 - 13:00	8	121	0.023	8	121	0.025	8	121	0.048
13:00 - 14:00	8	121	0.017	8	121	0.020	8	121	0.037
14:00 - 15:00	8	121	0.021	8	121	0.019	8	121	0.040
15:00 - 16:00	8	121	0.027	8	121	0.029	8	121	0.056
16:00 - 17:00	8	121	0.019	8	121	0.023	8	121	0.042
17:00 - 18:00	8	121	0.020	8	121	0.005	8	121	0.025
18:00 - 19:00	8	121	0.007	8	121	0.006	8	121	0.013
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.238			0.230			0.468

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.

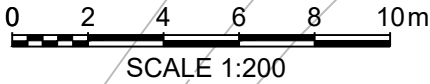
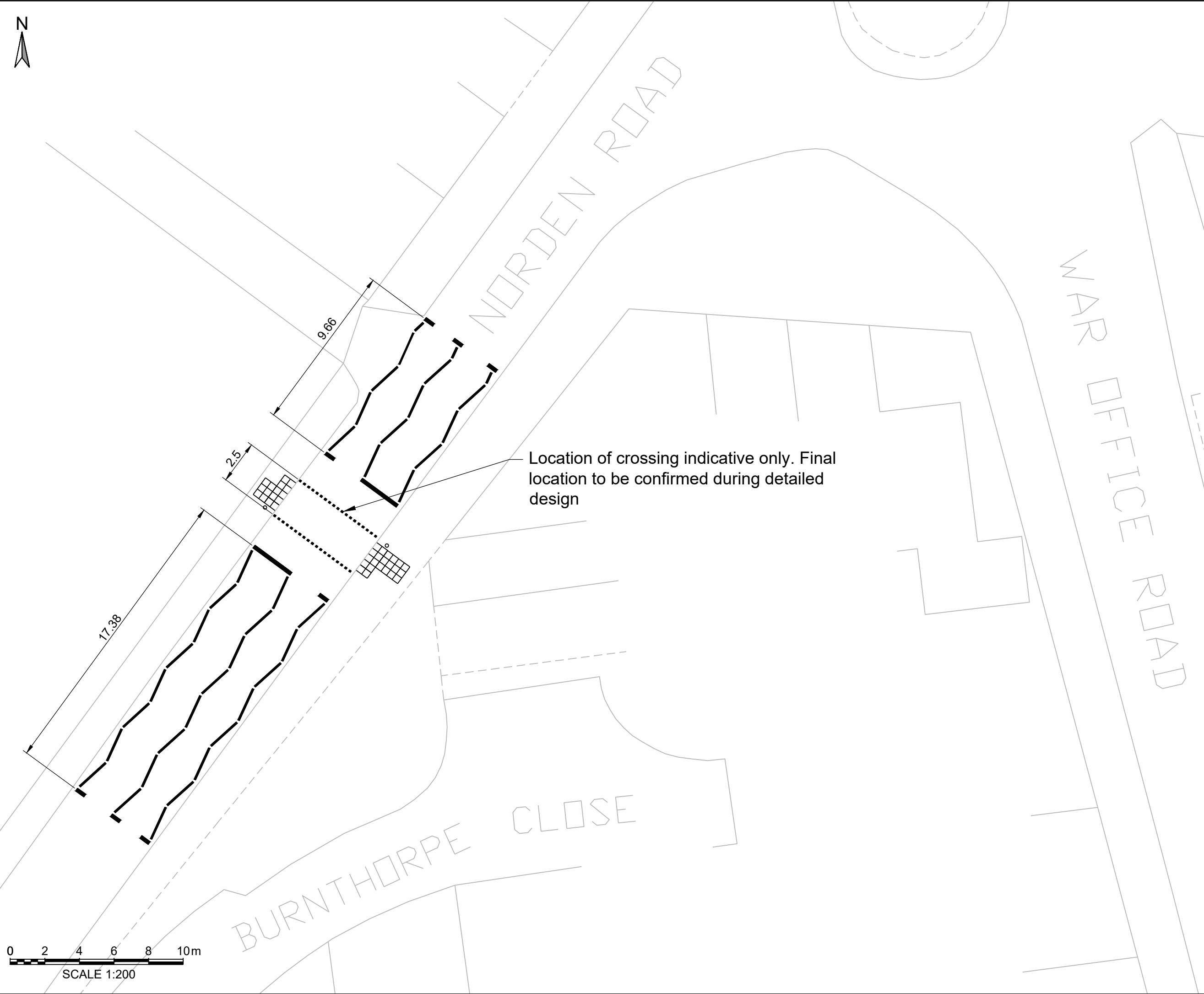
TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
MULTI-MODAL MOTOR CYCLES
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

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	8	121	0.001	8	121	0.001	8	121	0.002
08:00 - 09:00	8	121	0.000	8	121	0.001	8	121	0.001
09:00 - 10:00	8	121	0.000	8	121	0.000	8	121	0.000
10:00 - 11:00	8	121	0.000	8	121	0.000	8	121	0.000
11:00 - 12:00	8	121	0.000	8	121	0.000	8	121	0.000
12:00 - 13:00	8	121	0.000	8	121	0.000	8	121	0.000
13:00 - 14:00	8	121	0.001	8	121	0.000	8	121	0.001
14:00 - 15:00	8	121	0.002	8	121	0.002	8	121	0.004
15:00 - 16:00	8	121	0.000	8	121	0.000	8	121	0.000
16:00 - 17:00	8	121	0.002	8	121	0.001	8	121	0.003
17:00 - 18:00	8	121	0.000	8	121	0.002	8	121	0.002
18:00 - 19:00	8	121	0.002	8	121	0.000	8	121	0.002
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.008			0.007			0.015

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.

Appendix I: Off-site Sustainable Transport Mitigation Drawings for JPA17



Notes:

1. All dimensions in metres unless stated otherwise.
2. This drawing should be read in relation to the subject of the title only. Other information shown on this drawing is to be considered indicative only. Reference should be made to appropriate drawing series / specifications for other information.
3. Tetra Tech does not take responsibility for any discrepancies with the base mapping data.

PRELIMINARY ISSUE

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Quay West at Media City UK,
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www.tetratech-europe.com

Client



Project Name

Proposed Residential Development:
Land off Greenvale

Sheet Title

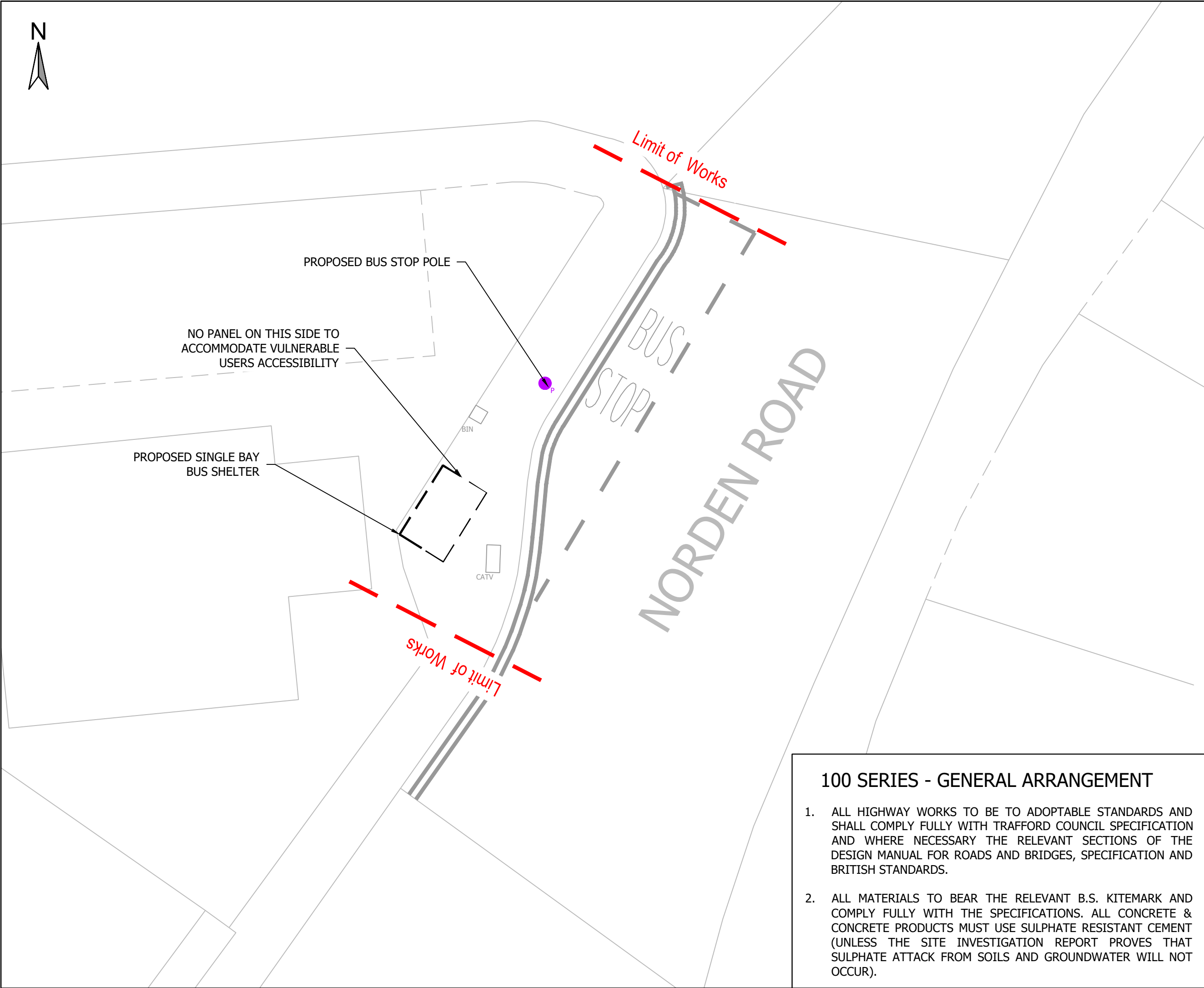
Proposed Puffin Crossing on Norden Road

TTE Project Number	Drawn By	Date	Checked By	Date	Approved By	Date	Scale @ A3	Suitability
784-B068938	HM	Jan '25	AS	Jan '25	MT	Jan '25	As Shown	S0

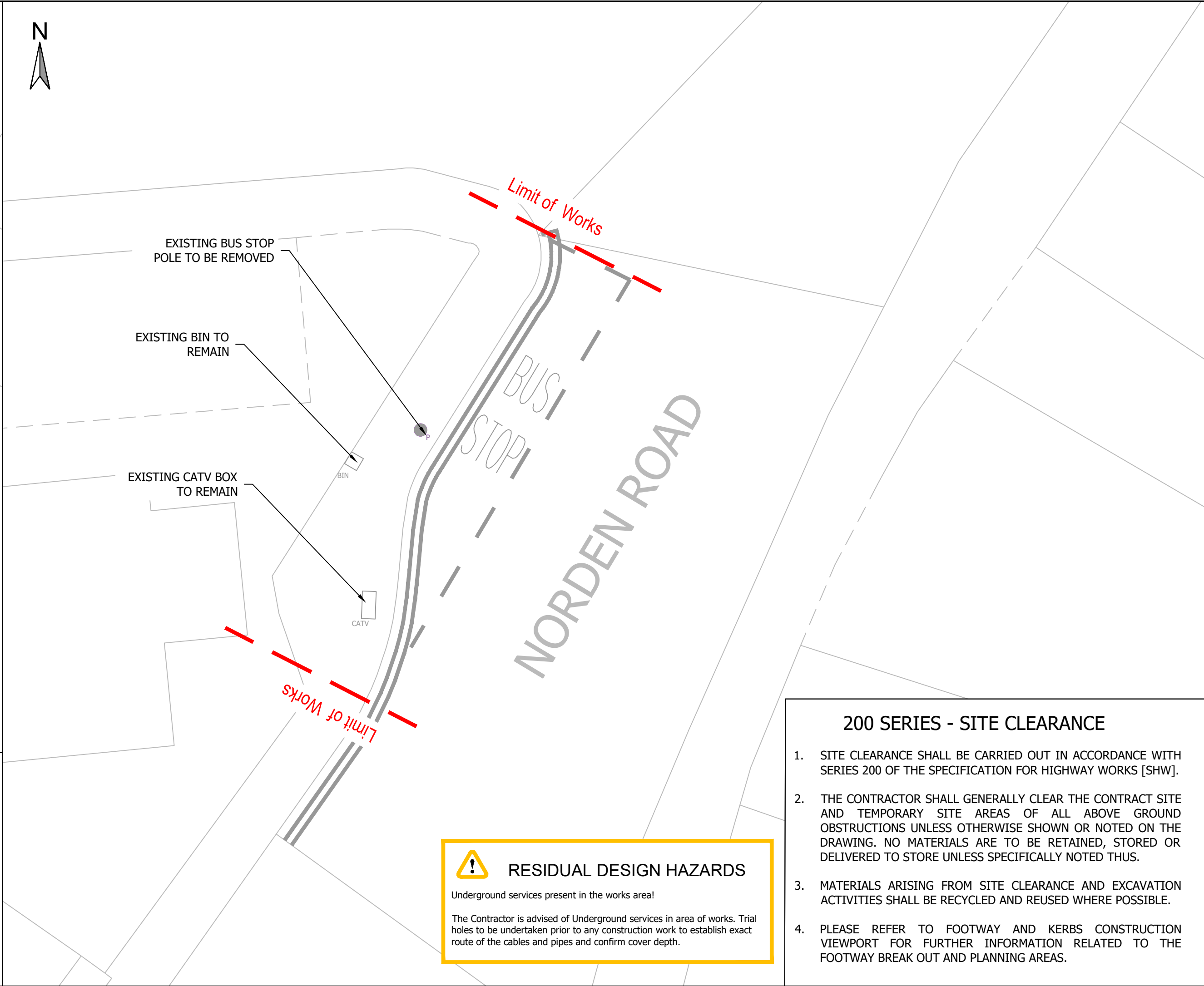
Client Project Number	Originator	Volume/System Level/Location	Type/Code	Role	Number	Revision
B068938	- TTE	- 00 - XX	- DR - O	- 003	P01	

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TTE_MT_v1

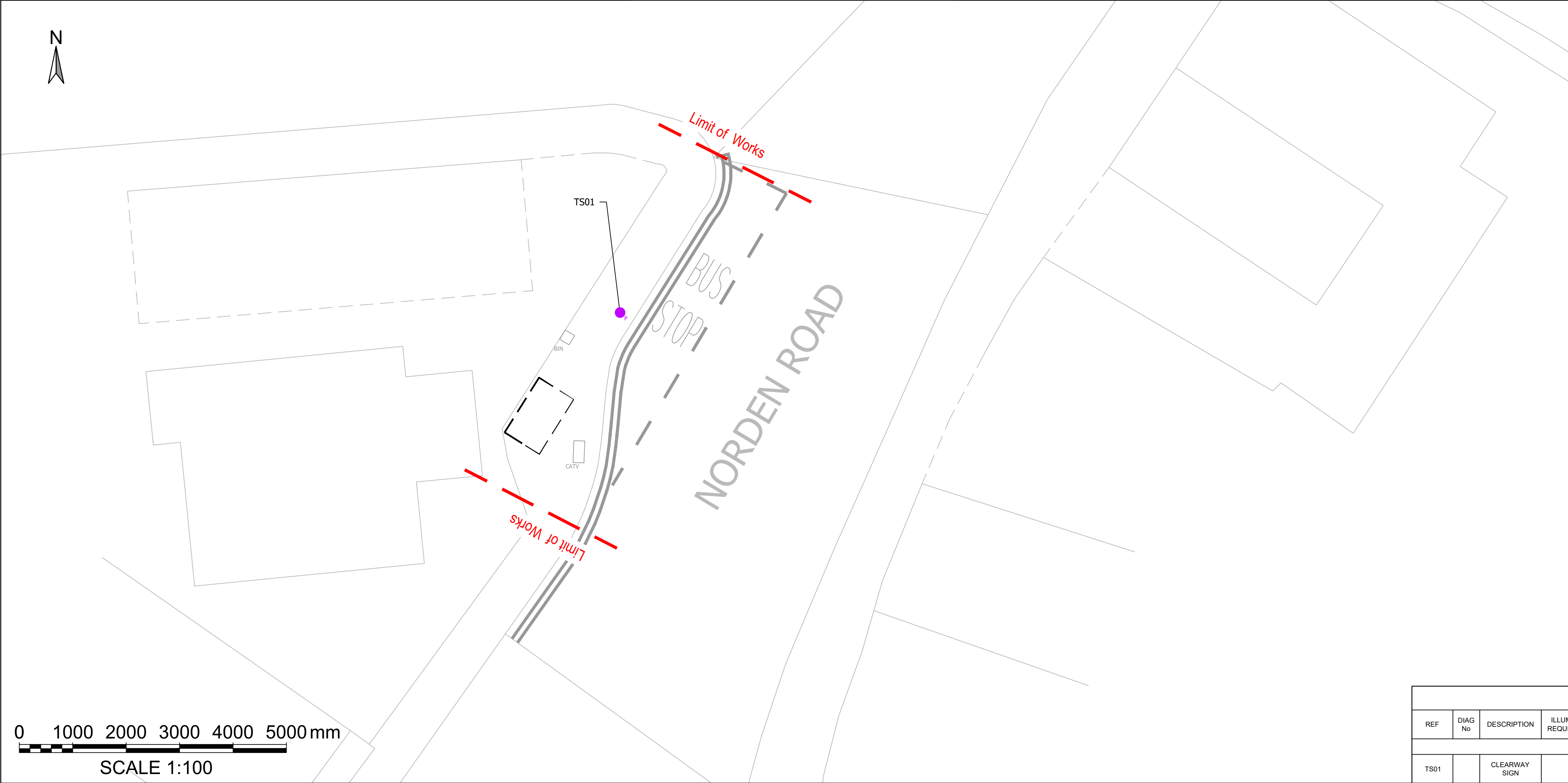


- ### 100 SERIES - GENERAL ARRANGEMENT
- ALL HIGHWAY WORKS TO BE TO ADOPTABLE STANDARDS AND SHALL COMPLY FULLY WITH TRAFFORD COUNCIL SPECIFICATION AND WHERE NECESSARY THE RELEVANT SECTIONS OF THE DESIGN MANUAL FOR ROADS AND BRIDGES, SPECIFICATION AND BRITISH STANDARDS.
 - ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR).



RESIDUAL DESIGN HAZARDS
Underground services present in the works area!
The Contractor is advised of Underground services in area of works. Trial holes to be undertaken prior to any construction work to establish exact route of the cables and pipes and confirm cover depth.

- ### 200 SERIES - SITE CLEARANCE
- SITE CLEARANCE SHALL BE CARRIED OUT IN ACCORDANCE WITH SERIES 200 OF THE SPECIFICATION FOR HIGHWAY WORKS [SHW].
 - THE CONTRACTOR SHALL GENERALLY CLEAR THE CONTRACT SITE AND TEMPORARY SITE AREAS OF ALL ABOVE GROUND OBSTRUCTIONS UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWING. NO MATERIALS ARE TO BE RETAINED, STORED OR DELIVERED TO STORE UNLESS SPECIFICALLY NOTED THUS.
 - MATERIALS ARISING FROM SITE CLEARANCE AND EXCAVATION ACTIVITIES SHALL BE RECYCLED AND REUSED WHERE POSSIBLE.
 - PLEASE REFER TO FOOTWAY AND KERBS CONSTRUCTION VIEWPORT FOR FURTHER INFORMATION RELATED TO THE FOOTWAY BREAK OUT AND PLANNING AREAS.



- ### 1200 SERIES - TRAFFIC SIGNS AND ROAD MARKINGS
- ALL ROAD MARKINGS SHALL BE LAID IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS (TSRGD) 2016 AND TRAFFIC SIGNS MANUAL CHAPTER 5.
 - ALL EXISTING ROAD MARKINGS TO BE REMOVED IN ACCORDANCE WITH SUB-CLAUSE 1212.18 OF THE SPECIFICATION FOR HIGHWAY WORKS (SHW) ONCE THEY BECOME SUPERFLUOUS OR HAZARDOUS TO ROAD USERS USING HYDROBLASTING TECHNIQUE.
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5.1. 450-750MM FROM FRONT OF FOOTWAY
5.2. WITHIN 450MM OF THE BACK OF FOOTWAY

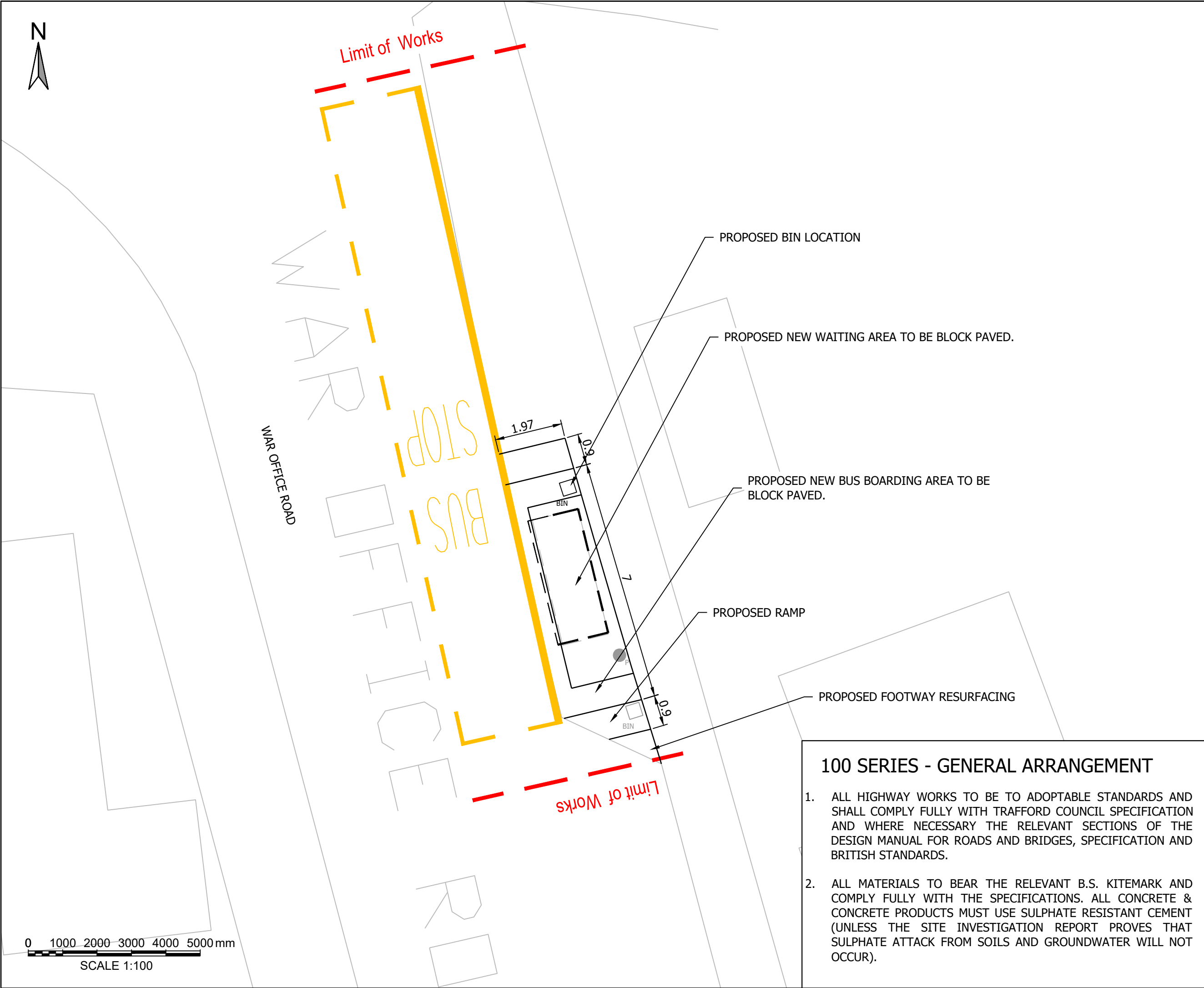
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS/INFORMATION
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- ALL LEVELS TO BE CHECKED BY THE CONTRACTOR AT THE START OF WORKS AND ANY DISCREPANCIES NOTIFIED TO THE ENGINEER.
- LAYOUT IS INDICATIVE ONLY SUBJECT TO CONSULTATION WITH TFGM AND ROCHE DALE COUNCIL

KEY:

- APPROXIMATE EXTENT OF PROPOSED WORKS
- PROPOSED BUS STOP POLE
- EXISTING BUS STOP POLE
- PROPOSED BUS STOP SHELTER, WORKS ASSOCIATED WITH SHELTER LEVELS ADJUSTMENTS WILL BE ARRANGED BY TFGM PRIOR TO MAIN WORKS STARTING ON SITE

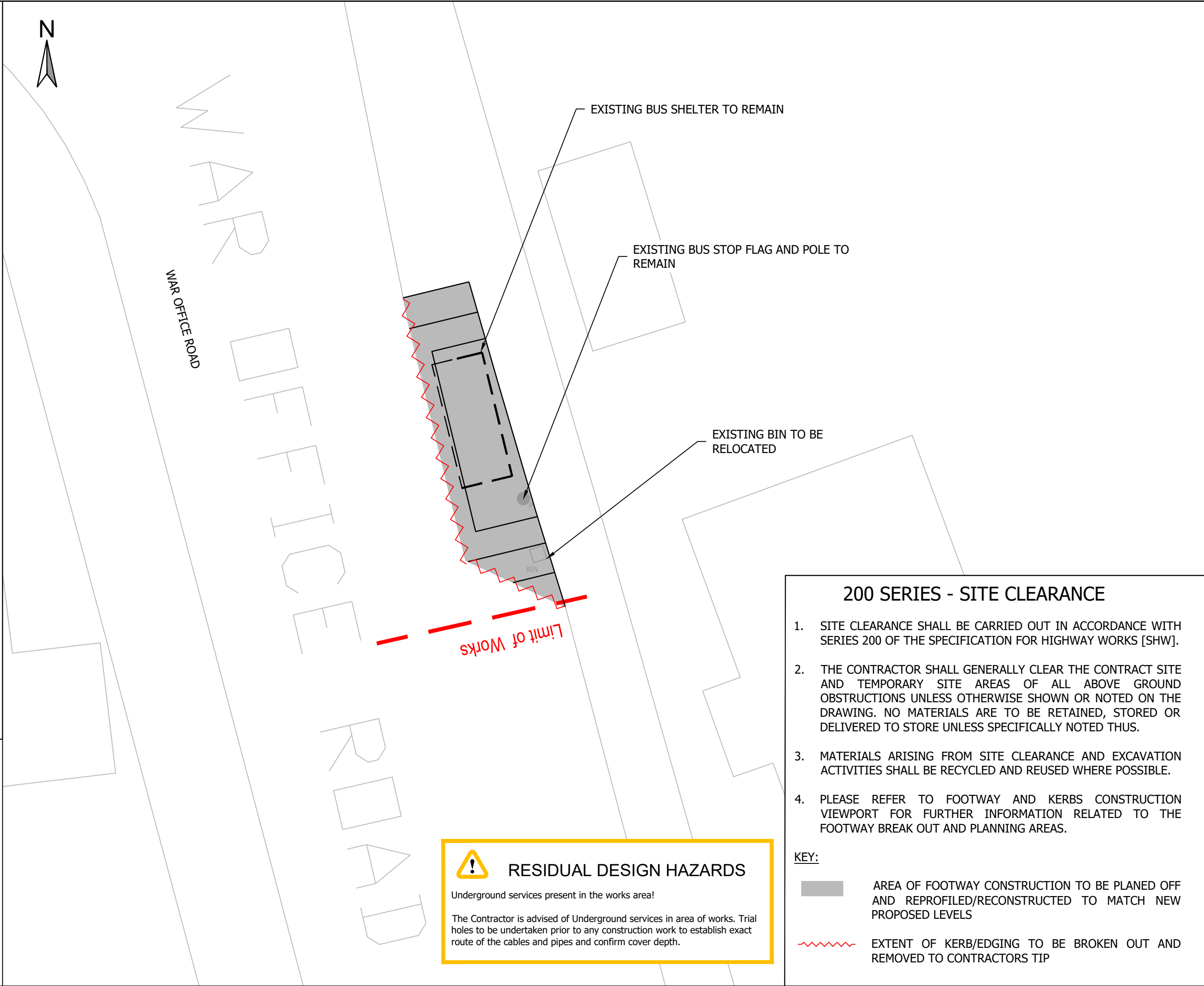
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Proposed Residential Development: Land off Greenvale					
Sheet Title					
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TTE Project Number 784-B068938					
Drawn By LJB					
Date Jan '25					
Checked By LB					
Date Jan '25					
Approved By LB					
Date Jan '25					
Scale @ A1 1:200					
Suitability S0					
Client Project Number B068938					
Originator TTE					
Function 00					
Spatial XX					
Form DR					
Role H					
Number 004					
Revision P01					
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100 SERIES - GENERAL ARRANGEMENT

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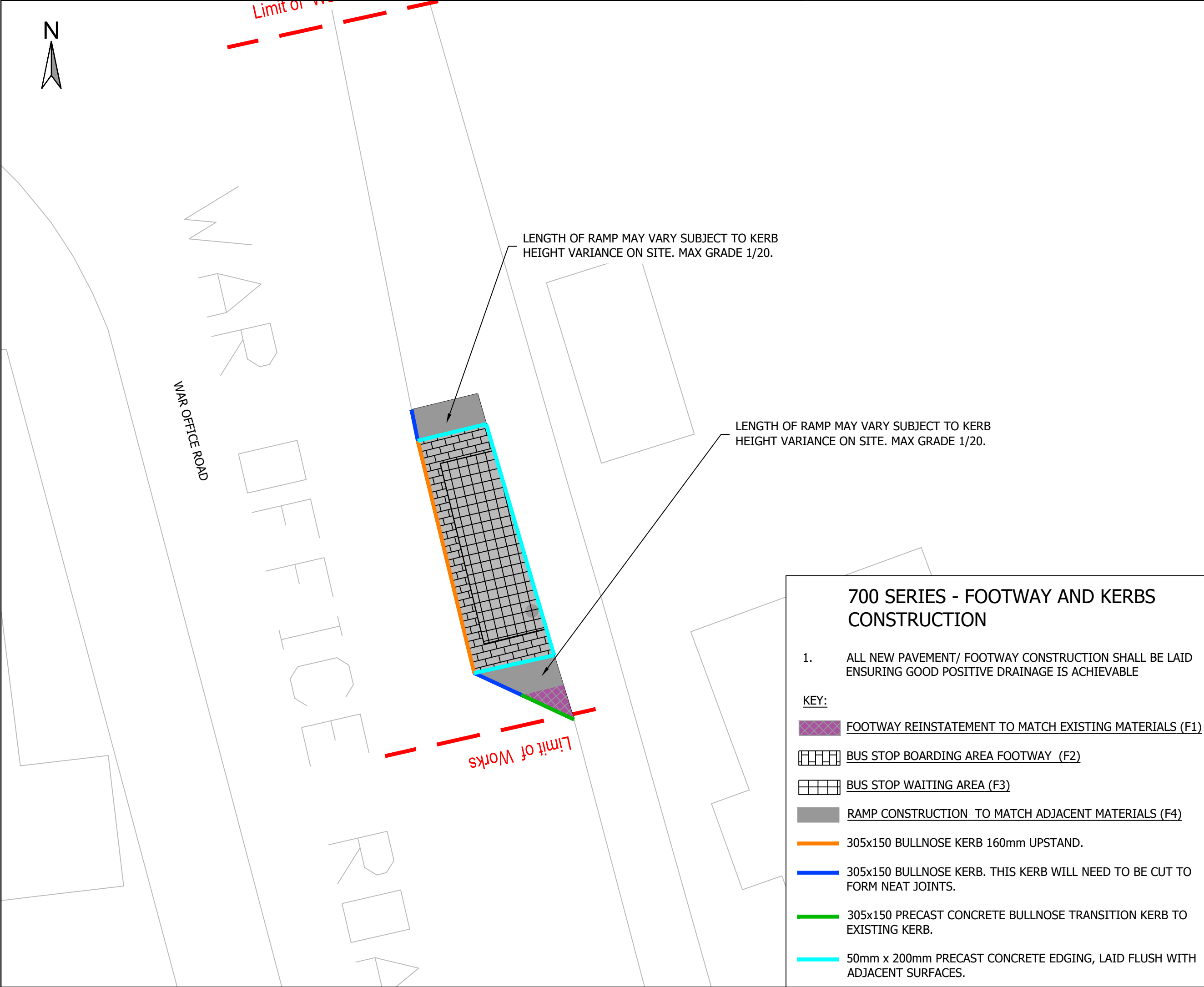


200 SERIES - SITE CLEARANCE

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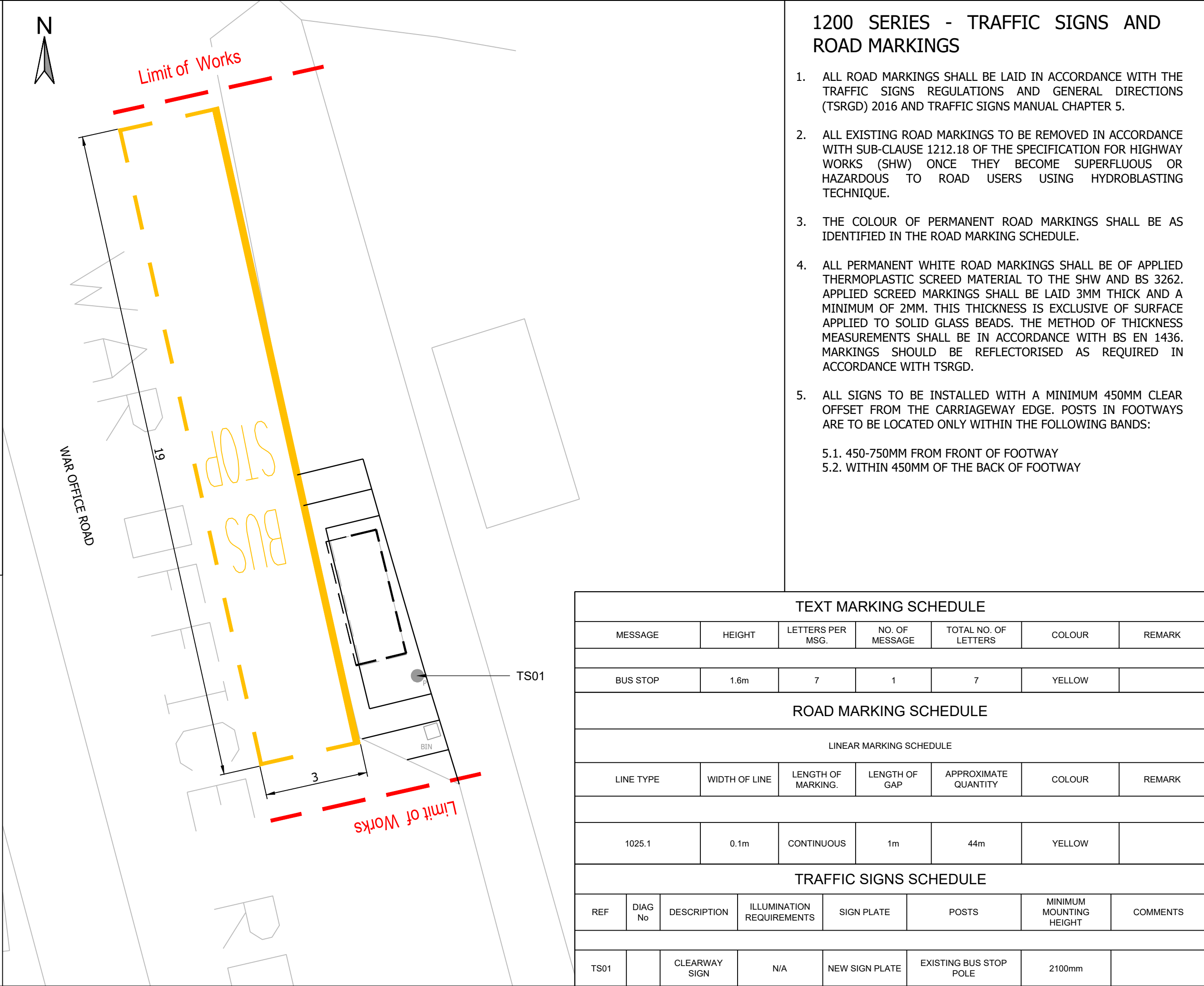
KEY:

- AREA OF FOOTWAY CONSTRUCTION TO BE PLANED OFF AND REPROFILED/RECONSTRUCTED TO MATCH NEW PROPOSED LEVELS
- EXTENT OF KERB/EDGING TO BE BROKEN OUT AND REMOVED TO CONTRACTORS TIP



700 SERIES - FOOTWAY AND KERBS CONSTRUCTION

- ALL NEW PAVEMENT/ FOOTWAY CONSTRUCTION SHALL BE LAID ENSURING GOOD POSITIVE DRAINAGE IS ACHIEVABLE
- KEY:
- FOOTWAY REINSTATEMENT TO MATCH EXISTING MATERIALS (F1)
 - BUS STOP BOARDING AREA FOOTWAY (F2)
 - BUS STOP WAITING AREA (F3)
 - RAMP CONSTRUCTION TO MATCH ADJACENT MATERIALS (F4)
 - 305x150 BULLNOSE KERB 160mm UPSTAND.
 - 305x150 BULLNOSE KERB. THIS KERB WILL NEED TO BE CUT TO FORM NEAT JOINTS.
 - 305x150 PRECAST CONCRETE BULLNOSE TRANSITION KERB TO EXISTING KERB.
 - 50mm x 200mm PRECAST CONCRETE EDGING, LAID FLUSH WITH ADJACENT SURFACES.



1200 SERIES - TRAFFIC SIGNS AND ROAD MARKINGS

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 - 5.1. 450-750MM FROM FRONT OF FOOTWAY
 - 5.2. WITHIN 450MM OF THE BACK OF FOOTWAY

TEXT MARKING SCHEDULE

MESSAGE	HEIGHT	LETTERS PER MSG.	NO. OF LETTERS	TOTAL NO. OF LETTERS	COLOUR	REMARK
BUS STOP	1.6m	7	1	7	YELLOW	

ROAD MARKING SCHEDULE

LINEAR MARKING SCHEDULE						
LINE TYPE	WIDTH OF LINE	LENGTH OF MARKING.	LENGTH OF GAP	APPROXIMATE QUANTITY	COLOUR	REMARK
1025.1	0.1m	CONTINUOUS	1m	44m	YELLOW	

TRAFFIC SIGNS SCHEDULE

REF	DIAG No	DESCRIPTION	ILLUMINATION REQUIREMENTS	SIGN PLATE	POSTS	MINIMUM MOUNTING HEIGHT	COMMENTS
TS01		CLEARWAY SIGN	N/A	NEW SIGN PLATE	EXISTING BUS STOP POLE	2100mm	

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS/INFORMATION
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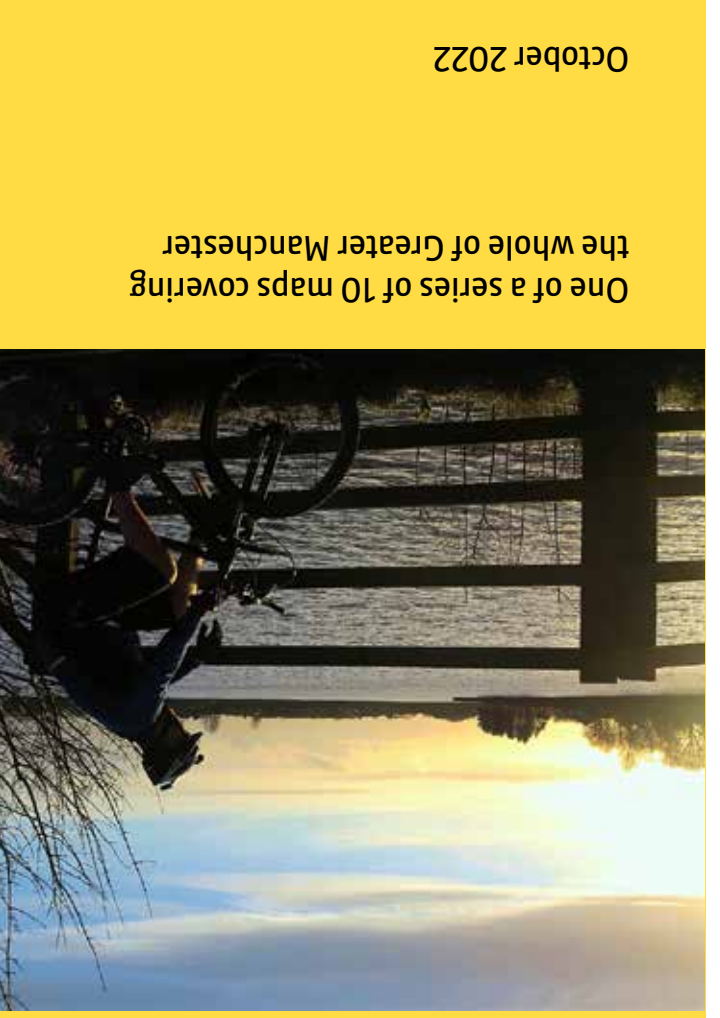
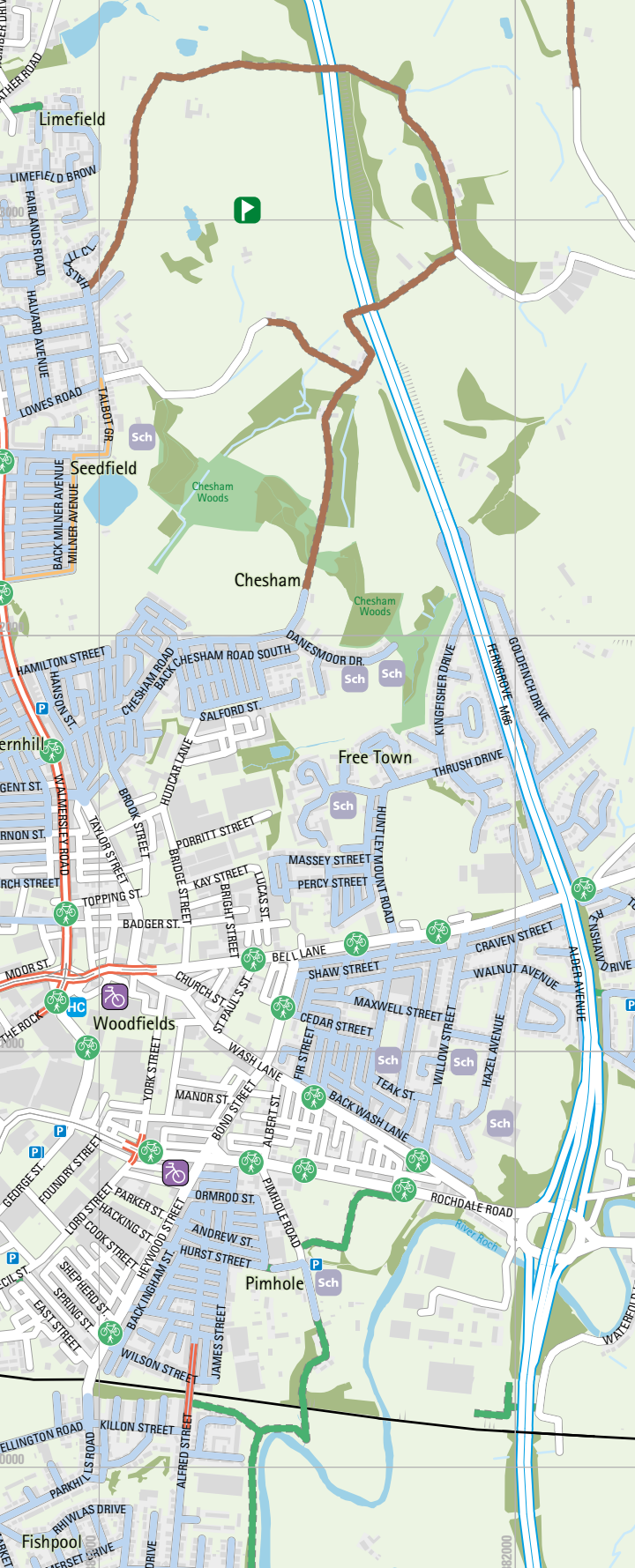
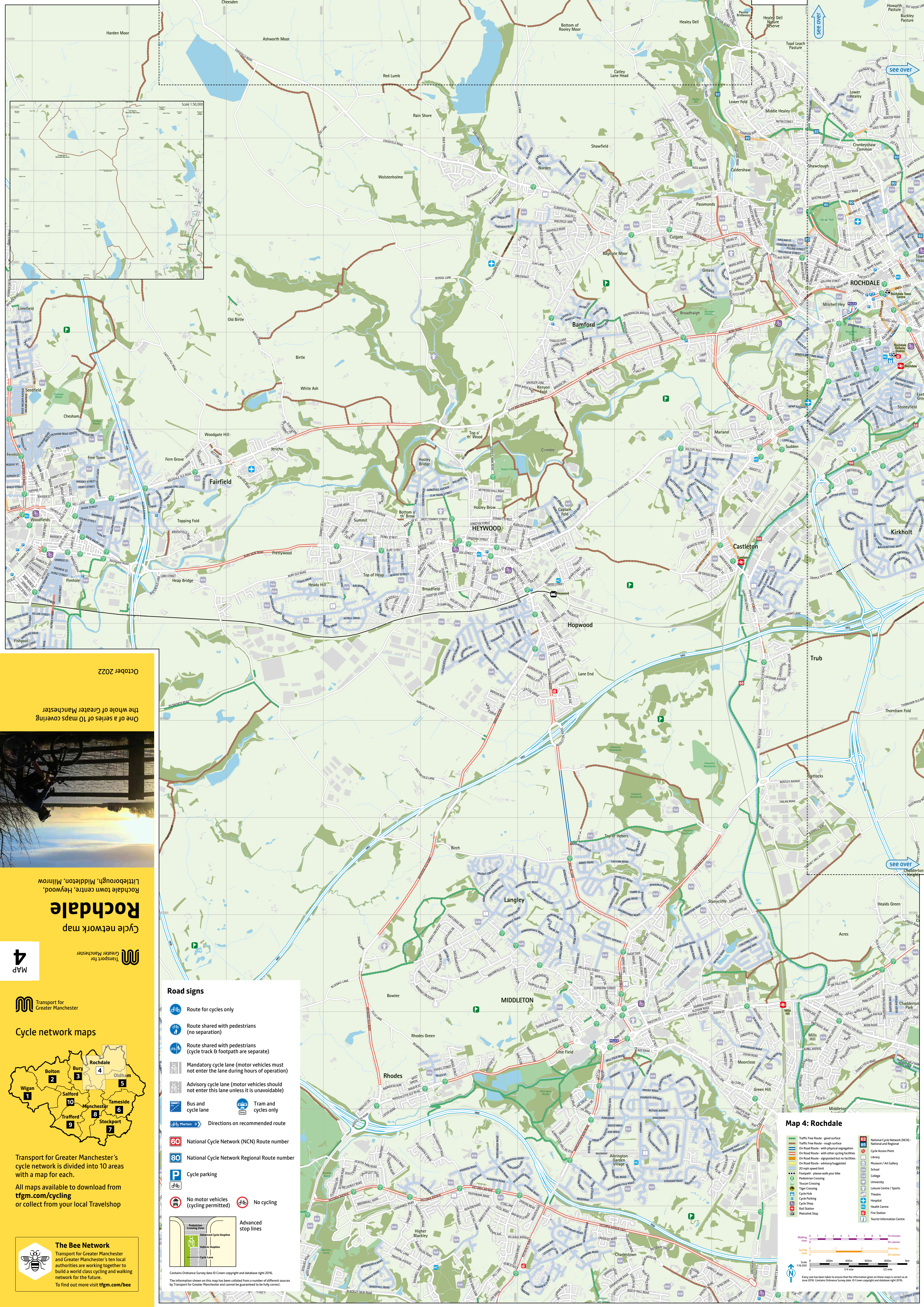
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PRELIMINARY ISSUE

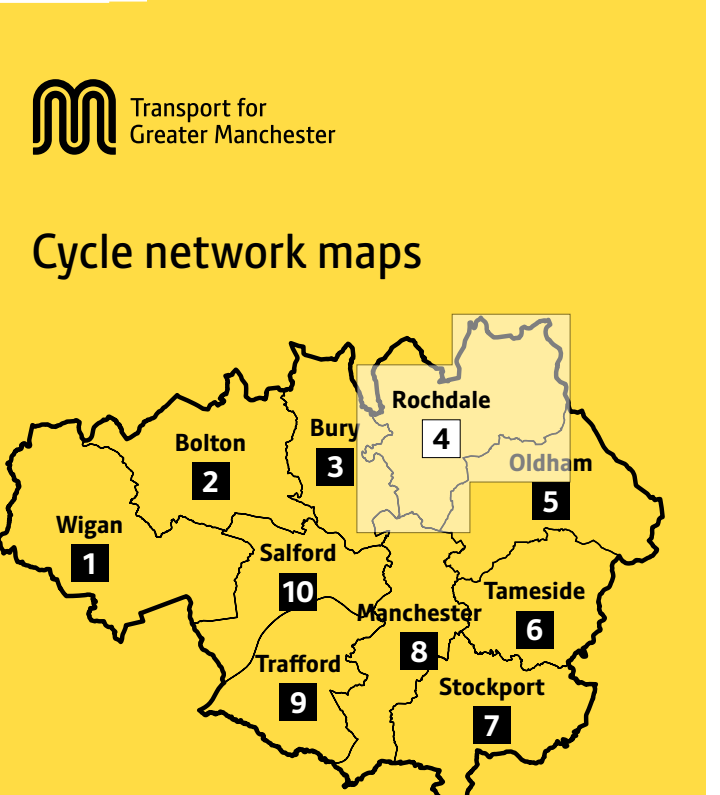
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Client					
Wain HOMES					
Project Name					
Proposed Residential Development: Land off Greenvale					
Sheet Title					
Bus Stop Upgrade: 99 War Office Road					
TTE Project Number	Drawn By	Date	Checked By	Date	Approved By
784-B068938	LJB	Jan '25	LB	Jan '25	LB
Client Project Number	Originator	Function	Spatial	Form	Role
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Number					Revision
005					P01
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TTE_MT_v1					

Appendix J: Rochdale Cycle Network Map



One of a series of 10 maps covering the whole of Greater Manchester

October 2022



Transport for Greater Manchester's cycle network is divided into 10 areas with a map for each.

All maps available to download from tfgm.com/cycling or collect from your local Travelshop

The Bee Network

Transport for Greater Manchester and Greater Manchester's ten local authorities are working together to build a world class cycling and walking network for the future.

To find out more visit tfgm.com/bee

Road signs

- Route for cycles only
- Route shared with pedestrians (no separation)
- Route shared with pedestrians (cycle track & footpath are separate)
- Mandatory cycle lane (motor vehicles must not enter the lane during hours of operation)
- Advisory cycle lane (motor vehicles should not enter this lane unless it is unavoidable)
- Bus and cycle lane
- Tram and cycles only
- Directions on recommended route
- National Cycle Network (NCN) Route number
- National Cycle Network Regional Route number
- Cycle parking
- No motor vehicles (cycling permitted)
- No cycling
- Advanced stop lines

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The information shown on this map has been collated from a number of different sources by Transport for Greater Manchester and cannot be guaranteed to be fully correct.

Map 4: Rochdale

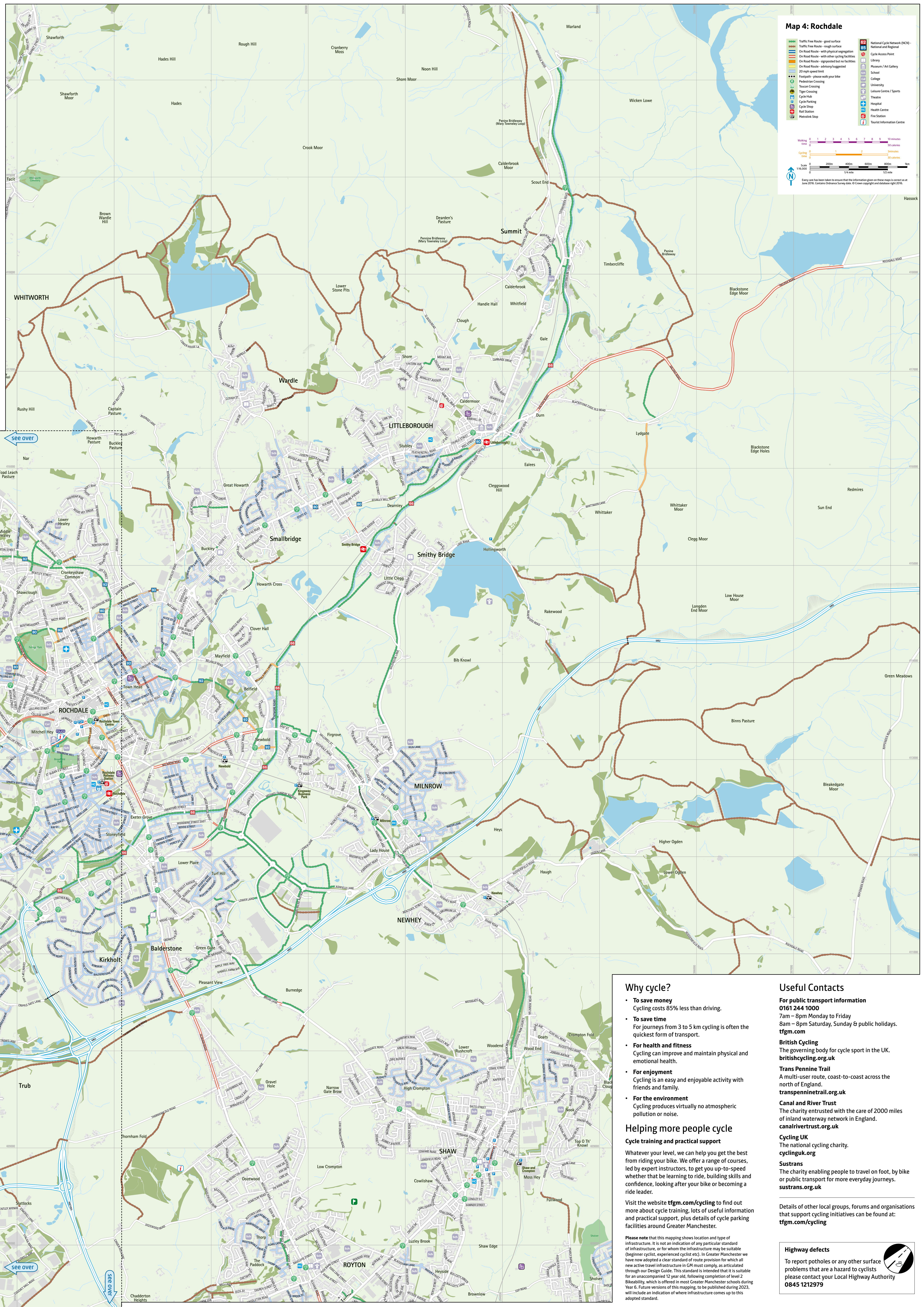
- Traffic Free Route - good surface
- Traffic Free Route - rough surface
- On Road Route - with physical segregation
- On Road Route - with other cycling facilities
- On Road Route - signposted but no facilities
- On Road Route - advisory/suggested
- 20 mph speed limit
- Footpath - please walk your bike
- Pedestrian Crossing
- Toucan Crossing
- Tiger Crossing
- Cycle Hub
- Cycle Parking
- Cycle Shop
- Rail Station
- Metrolink Stop
- National Cycle Network (NCN) - National and Regional
- Cycle Access Point
- Library
- Museum / Art Gallery
- School
- College
- University
- Leisure Centre / Sports
- Theatre
- Hospital
- Health Centre
- Fire Station
- Tourist Information Centre

Walking time scale: 0 to 10 minutes

Cycling time scale: 0 to 10 minutes

Scale: 0 to 1000m

Contains Ordnance Survey data © Crown copyright and database right 2016.



Why cycle?

- **To save money**
Cycling costs 85% less than driving.
- **To save time**
For journeys from 3 to 5 km cycling is often the quickest form of transport.
- **For health and fitness**
Cycling can improve and maintain physical and emotional health.
- **For enjoyment**
Cycling is an easy and enjoyable activity with friends and family.
- **For the environment**
Cycling produces virtually no atmospheric pollution or noise.

Helping more people cycle

Cycle training and practical support

Whatever your level, we can help you get the best from riding your bike. We offer a range of courses, led by expert instructors, to get you up-to-speed whether that be learning to ride, building skills and confidence, looking after your bike or becoming a ride leader.

Visit the website [tfgm.com/cycling](https://www.tfgm.com/cycling) to find out more about cycle training, lots of useful information and practical support, plus details of cycle parking facilities around Greater Manchester.

Please note that this mapping shows location and type of infrastructure. It is not an indication of any particular standard of infrastructure, or for whom the infrastructure may be suitable (beginner cyclist, experienced cyclist etc). In Greater Manchester we have now adopted a clear standard of route provision for which all new active travel infrastructure in GM must comply, as articulated through our Design Guide. This standard is intended that it is suitable for an unaccompanied 12 year old, following completion of level 2 Bikeability, which is offered in most Greater Manchester schools during Year 6. Future versions of this mapping, to be published during 2023, will include an indication of where infrastructure comes up to this adopted standard.

Useful Contacts

For public transport information

0161 244 1000
7am – 8pm Monday to Friday
8am – 8pm Saturday, Sunday & public holidays.
[tfgm.com](https://www.tfgm.com)

British Cycling
The governing body for cycle sport in the UK.
[britishcycling.org.uk](https://www.britishcycling.org.uk)

Trans Pennine Trail
A multi-user route, coast-to-coast across the north of England.
[transpenninetrail.org.uk](https://www.transpenninetrail.org.uk)

Canal and River Trust
The charity entrusted with the care of 2000 miles of inland waterway network in England.
[canalrivertrust.org.uk](https://www.canalrivertrust.org.uk)

Cycling UK
The national cycling charity.
[cyclinguk.org](https://www.cyclinguk.org)

Sustrans
The charity enabling people to travel on foot, by bike or public transport for more everyday journeys.
[sustrans.org.uk](https://www.sustrans.org.uk)

Details of other local groups, forums and organisations that support cycling initiatives can be found at:
[tfgm.com/cycling](https://www.tfgm.com/cycling)

Highway defects

To report potholes or any other surface problems that are a hazard to cyclists please contact your Local Highway Authority
0845 1212979

