



**Proposed Residential Development
Maes y Dderwen
Cardigan**

TRANSPORT STATEMENT
February 2022

acstro

Table of Contents

1	Introduction	1
2	Existing	2
3	Proposed Development	7
4	Summary & Conclusion	9

Appendix 1 Proposed Rhodfa'r Felin Access

Appendix 2 TRICS Trip Rate Data - Residential

Revision History

Issue 1	3 rd February 2022	

1331-ACS-ZZ-XX-RP-T-001-A Transport Statement.docx

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Acstro Ltd., Ty Penbryn, Salem, Llandeilo, SA19 7LT
www.acstro.com
T. 01558 824021
E. mail@acstro.com

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1 Introduction

- 1.1 Acstro has been appointed to prepare a Transport Statement in support of a planning application for residential development at Maes y Dderwen. The site's location is shown below.



Figure 1 Site Location

- 1.2 The site is located south of Maes y Dderwen and west of Rhodfa'r Felin. This document considers the transport implications of the proposed development.

2 Existing

Location

- 2.1 The site is located south of Maes y Dderwen and west of Rhodfa'r Felin. The land is allocated for residential development within Ceredigion's Local Development Plan (site allocation H0201).
- 2.2 Some 250m to the south of the site is Cardigan Health Centre. The town centre and the broad range of services and facilities that are located there is some 750m to 1km (approximately 10 minutes) walk from the application site.

Active Travel

- 2.3 The Chartered Institution of Highways and Transportation's (CIHT) 'Planning for Walking' (2015) states that "Across Britain about 80 per cent of journeys shorter than 1 mile (1.6km) are made wholly on foot – something that has changed little in thirty years. In 2012 walkers accounted for 79 per cent of all journeys shorter than 1 mile, but beyond that distance cars are the dominant mode (DfT, annual)". It is considered that 2km, a distance that can be walked in around 25 to 30 minutes, represents a reasonable distance to expect that walking can be a viable option. Figure 2 shows the areas that can be reached on foot within around 30 minutes of the site.

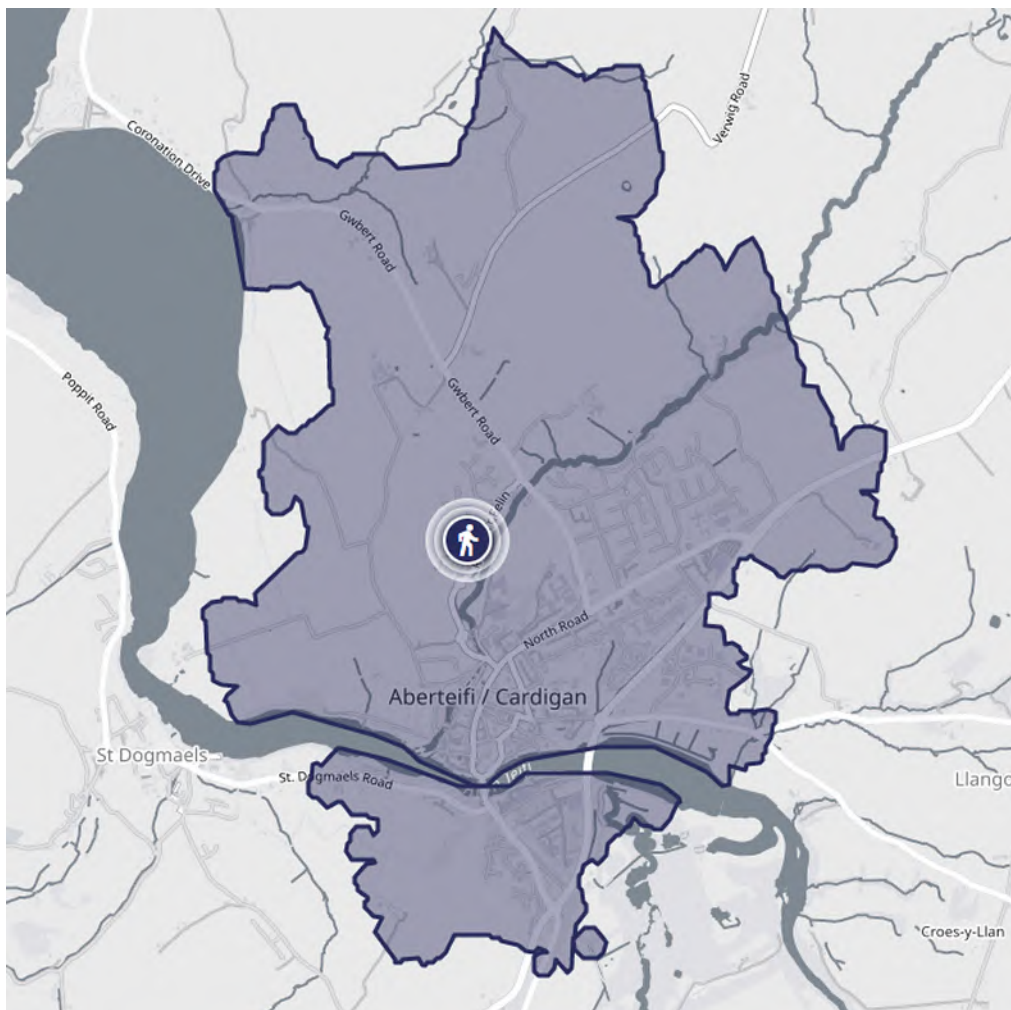


Figure 2 30-Minute Walk Catchment

- 2.4 The Chartered Institution of Highways and Transportation's 'Planning for Cycling' (2014) states that 'cycle use is more seasonal than for other modes, with up to twice as many cyclists in summer compared with winter. The majority of cycling trips are for short distances, with 80% being less than five miles (8km) and with 40% being less than two miles (3km). However, the majority of trips by all modes are also short distances (67% are less than five miles, and 38% are less than two miles); therefore, the bicycle is a potential mode for many of these trips (National Travel Survey, 2013, Department for Transport)'. Figure 4 shows the areas that can be reached within a 30-minute cycle ride from the site.
- 2.5 There is a shared cycle/footway along Rhodfa'r Felin adjacent to the site. National Cycle Network Route 82 passes through Cardigan and links the town to Cenarth and Newcastle Emlyn to the east and St. Dogmael's and the north Pembrokeshire coast to the south west.

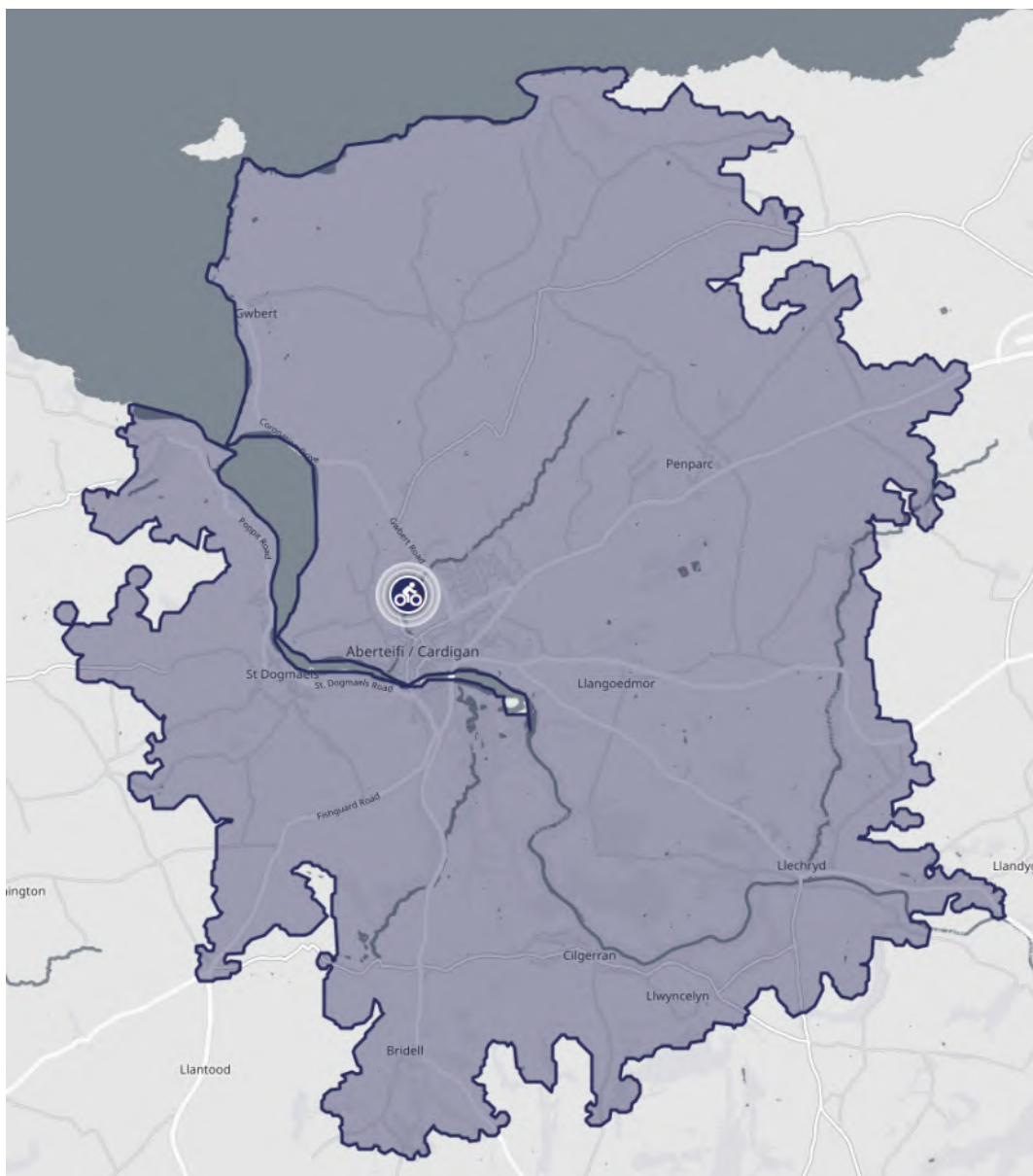


Figure 3 30-Minute Cycle Catchment

Public Transport Network

- 2.6 There are bus stops adjacent to the site on Rhodfa'r Felin. The northbound bus stop provides access to the 408 bus service, whose timetable is shown below. The 408 service has a circular route and therefore does not stop at the southbound bus stop at Maes y Dderwen.

Cardigan - St Dogmael's - Poppet Sands

Monday to Friday (Excluding Bank Holidays) (Outbound)

Days:	SD											
Operator: RBRO RBRO RBRO RBRO RBRO RBRO RBRO RBRO RBRO RBRO RBRO RBRO												
Tesco Store	--	--	--	0940	1040	--	--	1440	--	--	1600	--
Aldi	--	--	--	0941	1041	--	--	1441	--	--	1601	--
Finch Square	--	--	--	0945	1045	--	--	1445	--	--	1605	--
Cardigan Cp School	--	--	--			--	--		--	1535		--
Grosvenor Hill	--	--	--	0947	1047	--	--	1447	--		1607	--
Bell Hotel	--	--	--	0948	1048	--	--	1448	--	1537	1608	--
Cardigan Intergrated Care Centre	--	--	--	0950	1050	--	--	1450	--	1538	1610	--
Maesydderwen	--	0830	--	0952	1052	--	--	1452	--		1612	--
Maesglas	--	0833	--	0955	1055	--	--	1455	--	1541	1615	--
North Park Heol Gollen	--	0839	--	1001	1101	--	--	1501	--	1547	1621	--
Tesco Store	--		0900	1004	1104	1200	1330	1504	1500	1550	1624	1640
Aldi	--		0901			1201	1331		1501	--		1641
Bro Teifi / Heol Hafod	--			1009	1109			1509		--	1629	
Cardigan Secondary School	--								1510	--		
Cardigan Primary School	--	0845								--		
Cardigan Finch Square C	--		0905	1012	1112	1205	1335	1512	1515	--	1631	1644
St Dogmael's Square	0757		0910			1210	1340		1524	--		1653
Glanteifion (The Moorings)	0800		0913			1213	1343		1527	--		1656
Poppit Sands Car Park	0805		0918			1218	1348		1532	--		1701
Glanteifion (The Moorings)	0810		0923			1223	1353		1537	--		1706
St Dogmael's Square	0813		0926			1226	1356		1540	--		1709
Grosvenor Hill	0819		0931			1231	1401		1545	--		1714
Bell Hotel	0820		0932	1013	1113	1232	1402	1513	1546	--	1632	1715
Cardigan Intergrated Care Centre	0822		0934			1234	1404		1548	--		1717
Opp. Catholic Church	0824		0936	1015	1115	1236	1406	1515	1550	--	1634	
Cardigan Finch Square C		0850								--		
Tesco Store	0826	0855	0938	1018	1118	1238	1408	1518	1552	--	1637	
Cardigan Finch Square C	--	--	--	--	--	1240	1410	--	--	--	--	1722

Notes:

SD Schooldays Only

Figure 4 Bus Service 408 Timetable

(www.traveline.cymru)

- 2.7 Finch Square acts as the town's bus station and is therefore the locus for public transport services. A list of the bus services that stop at Finch Square is provided below. Combined there are 52 buses each day that stop at Finch Square.

Service	Route
405 / Poppit Rocket	Cardigan – Newport
408	Cardigan (Tesco) Circular
554	Cardigan – Aberporth
X50	Cardigan – Aberaeron – Aberystwyth
T5	Haverfordwest – Cardigan – Aberystwyth
460	Cardigan – Carmarthen
430	Cardigan – Hermon

Table 1 Cardigan Bus Services

Highway Network

- 2.8 It is proposed that the site will have two point of access from Maes y Dderwen and Rhodfa'r Felin, respectively.
- 2.9 Maes y Dderwen is a residential development to the north of the application site that currently has a cul-de-sac arrangement. Maes y Dderwen has a 5.5m wide carriageway with footways on both sides. We understand that Maes y Dderwen is subject to a Section 38 agreement and is in the process of being adopted by the Highway Authority.
- 2.10 Maes y Dderwen is accessed from Rhodfa'r Felin. Rhodfa'r Felin provides a link between Gwbert Road to the north east and the town centre to the south west. Rhodfa'r Felin has a 30mph speed limit and traffic calming in the form of speed cushions located at regular intervals. It has a 2m wide footway adjacent to the northbound lane and a 3m wide shared foot / cycleway alongside its southbound lane. There is an uncontrolled pedestrian crossing point, consisting of dropped kerbs, tactile paving and a central refuge, located adjacent to the application site.
- 2.11 A review of injury accident records for the area around the site has been undertaken for latest five-year period for which data is available (2016 – 2020 inclusive). There are no recorded accidents during that period, indicating that the highway operates safely.

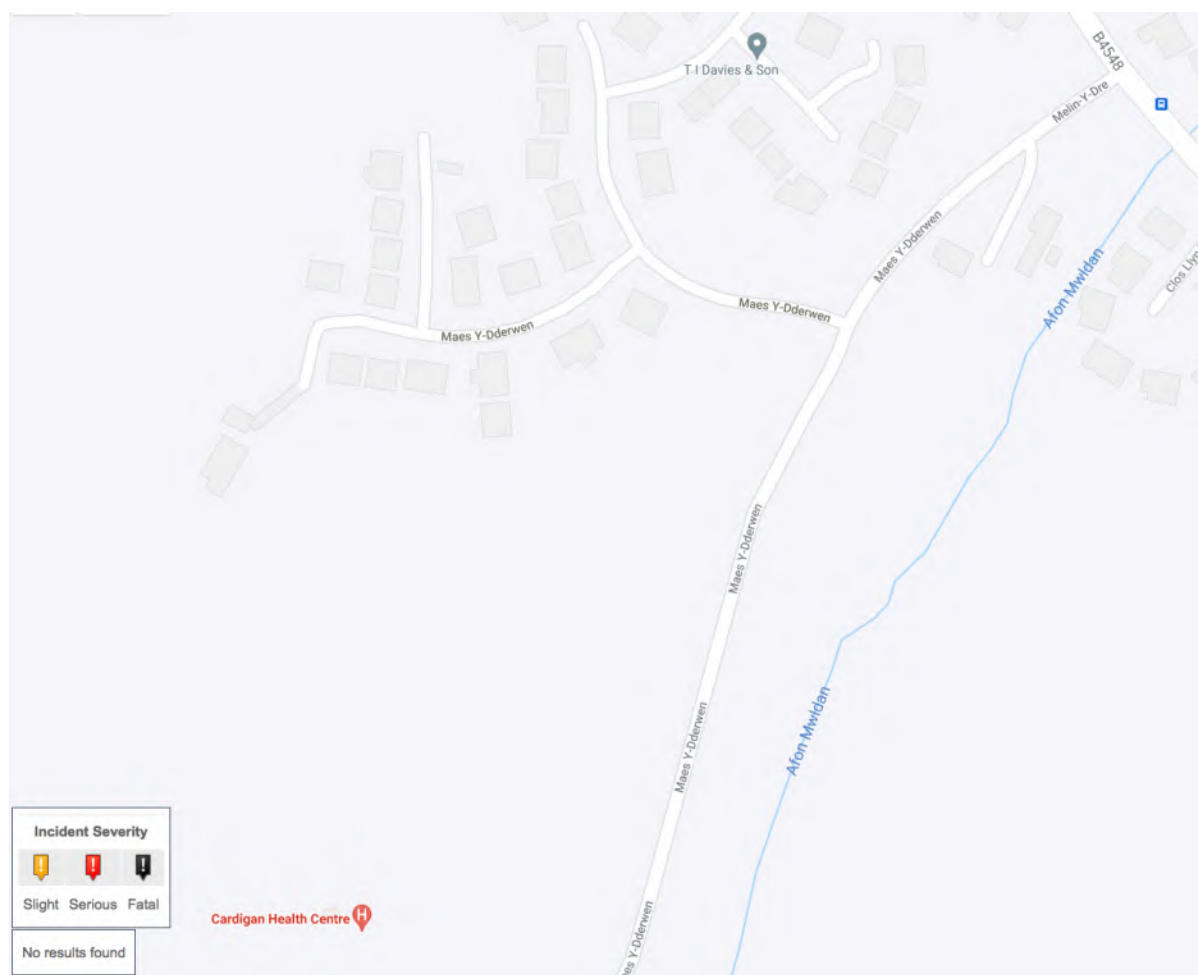


Figure 5 Injury Accident Locations (2016 – 2020)
(www.crashmap.org.uk)

Summary

- 2.12 The site is in a sustainable and accessible location. The site is accessible to pedestrians, cyclists and public transport users. The site is located close to a wide range of services and facilities available in Cardigan. This increases the possibility that journeys generated by the development can be made by sustainable forms of transport. It is considered that the public highway from which the site will be accessed operates safely.

3 Proposed Development

- 3.1 The proposed development comprises of 45 dwellings with access provided by an extension of the existing Maes y Dderwen estate road to the north and the creation of a new junction with Rhodfa'r Felin to the east.



Figure 6 Proposed Layout

Access

- 3.2 The access from Maes y Dderwen will be created by extending the existing estate road southwards.
- 3.3 It is considered beneficial to provide a second point of access to what will be an enlarged Maes y Dderwen development. Otherwise all traffic generated by the existing and proposed Maes y Dderwen properties would use the existing access point. A second point of access avoids the concentration of all development traffic at a single point, improves the permeability of the site and provides an alternative in the event that one access becomes blocked, due to an accident or as a result of roadworks for example.
- 3.4 The proposed access from Rhodfa'r Felin is shown in Appendix 1. The access is designed to an adoptable standard, providing a 5.5m wide carriageway with 2m wide footways on both sides. The minimum visibility requirement for 30mph speed limit areas of 2.4m x 43m is easily achieved, with the available visibility being far in excess of this.

Appendix 1 Proposed Rhodfa'r Felin Access

- 3.5 Swept path analysis of the proposed junction demonstrates that a refuse vehicle can manoeuvre in all directions to and from the development. The position of the pedestrian crossing to the south of the junction does however need to be adjusted slightly to accommodate the turn to the south from the development and it is proposed that this adjustment will be made as part of the development works.
- 3.6 The existing southbound bus stop is located opposite the proposed junction. There are currently no bus services that use this stop. Future services may of course be introduced but it is difficult to conceive that any future service using the stop would have a particularly high frequency. Services passing, say, every few hours and only stopping momentarily at the stop, and only on those occasions when passengers are present that want to alight or join the bus at this location would, in our opinion, cause no obstruction to the operation of the proposed access.

Traffic Generation

- 3.7 The potential trip generation of the proposed development of the site has been estimated by reference to the TRICS trip rate database. The following filtering criteria have been applied to arrive at a sample of surveys from similar developments. The TRICS output is provided in detail in Appendix 3.

Land use: Residential – Houses privately owned

Trip Rate Parameter: Number of dwellings

Parameter Range: 25 to 75 dwellings

Regions: England (Excluding Greater London), Scotland and Wales

Survey Days: Weekdays

Locations: Suburban, Edge of Town & Neighbourhood Centre Locations

Appendix 2 TRICS Trip Rate Data - Residential

Time Range	Trip Rate per Dwelling			Trip Generation (45 Dwellings)		
	Arrivals	Departures	Total	Arrivals	Departures	Total
08:00-09:00	0.142	0.358	0.5	6	16	23
17:00-18:00	0.317	0.157	0.474	14	7	21

Table 2 Vehicle Trip Rates & Proposed Development Trip Generation

- 3.8 The TRICS data suggests that the proposed development will generate some 23 vehicle movements during the morning highway network peak hour (8-9am) and 21 movements during the evening highway network peak hour (5-6pm). These are not considered to be significant traffic volumes and it is concluded that the likely traffic generation of the development can comfortably be accommodated by the local highway infrastructure.

4 Summary & Conclusion

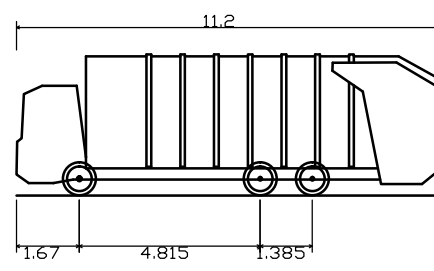
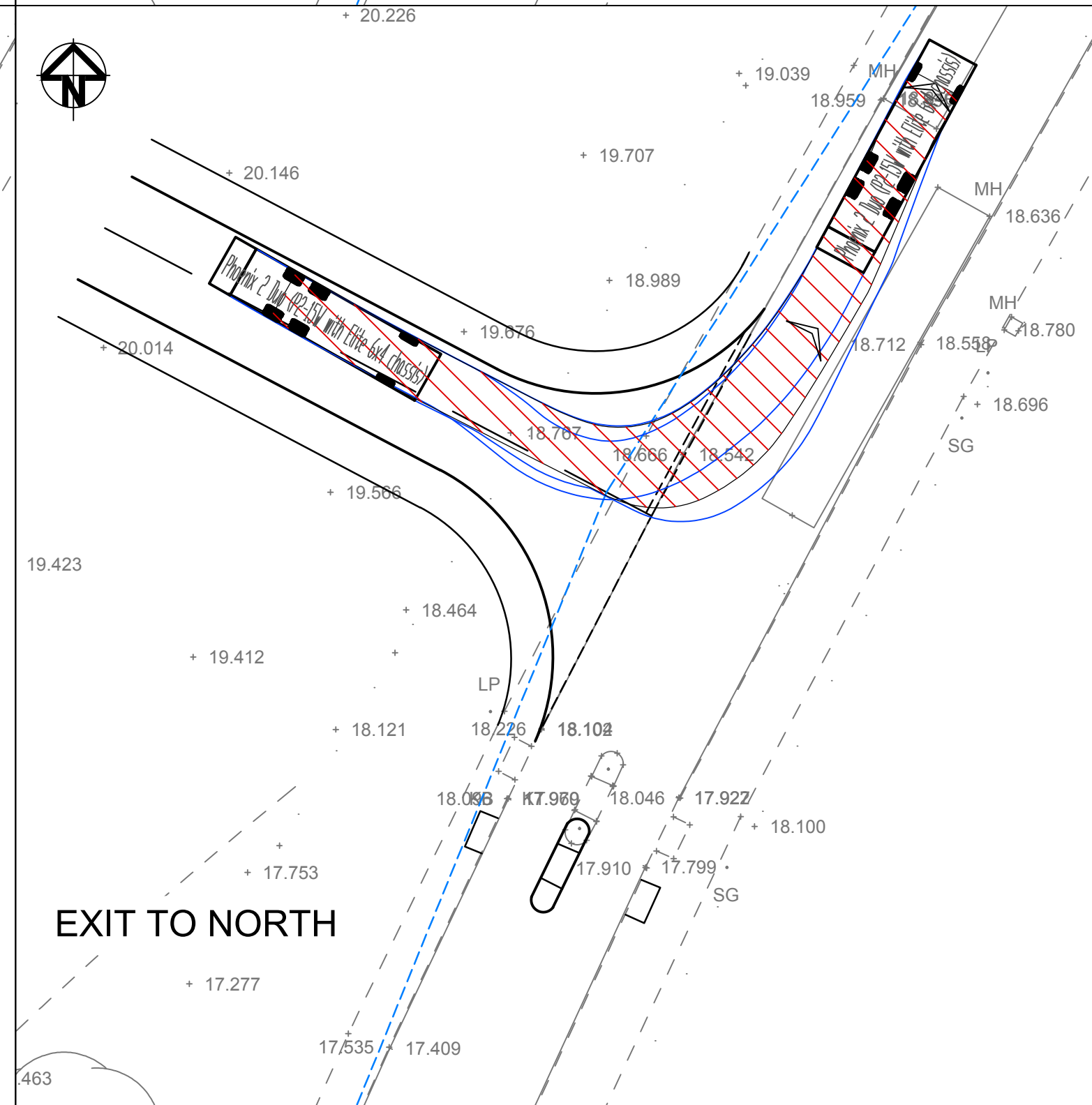
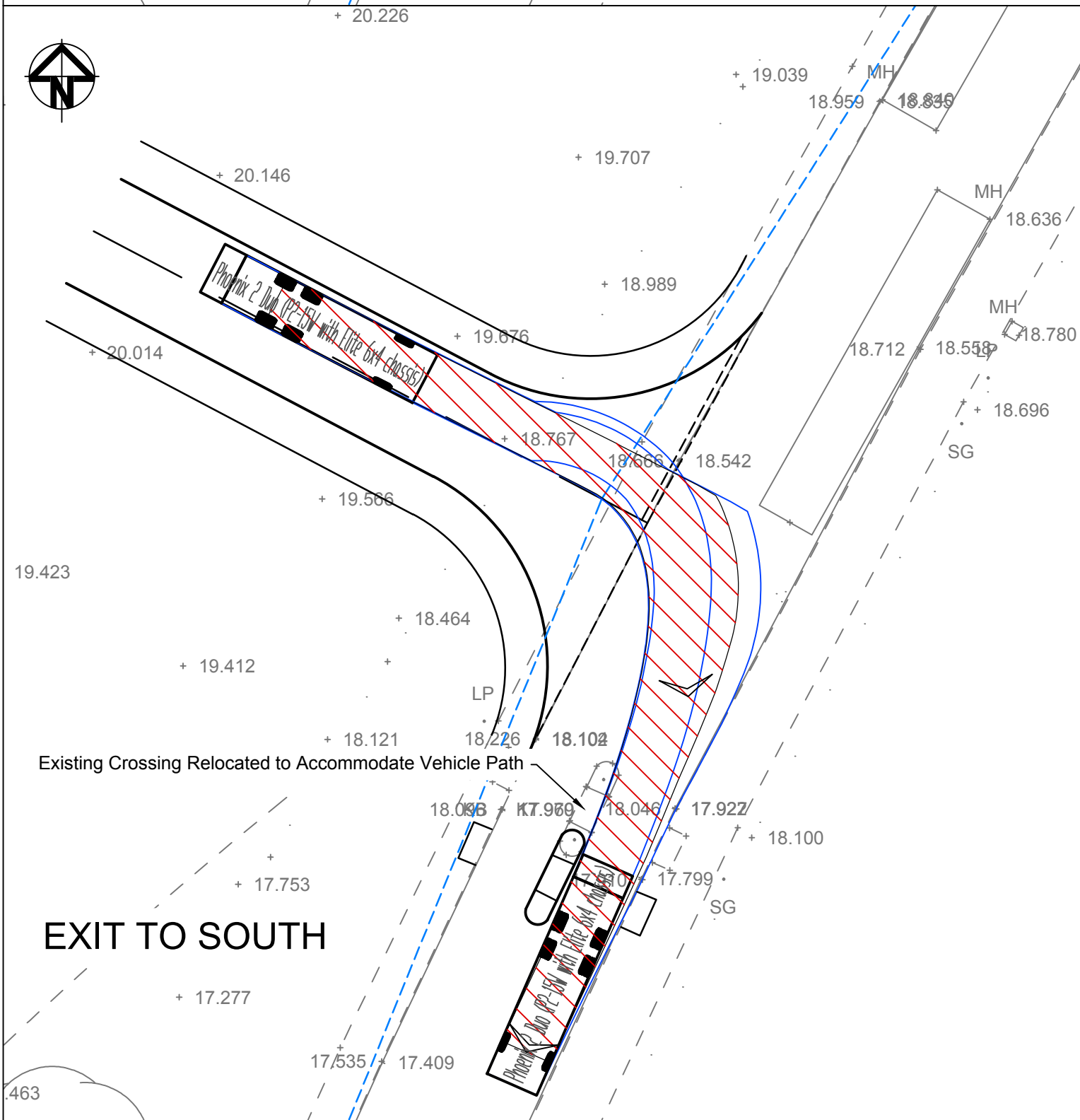
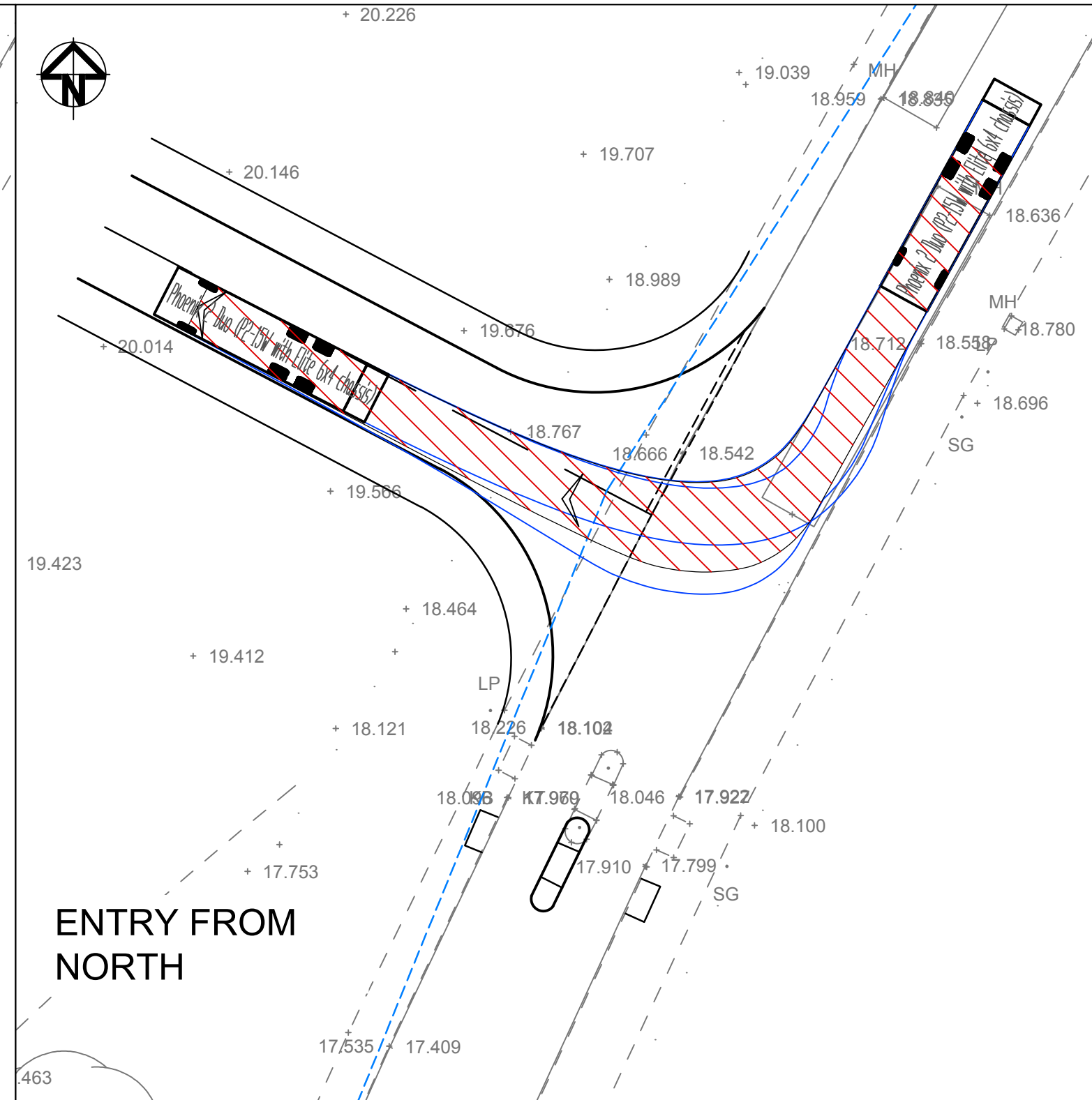
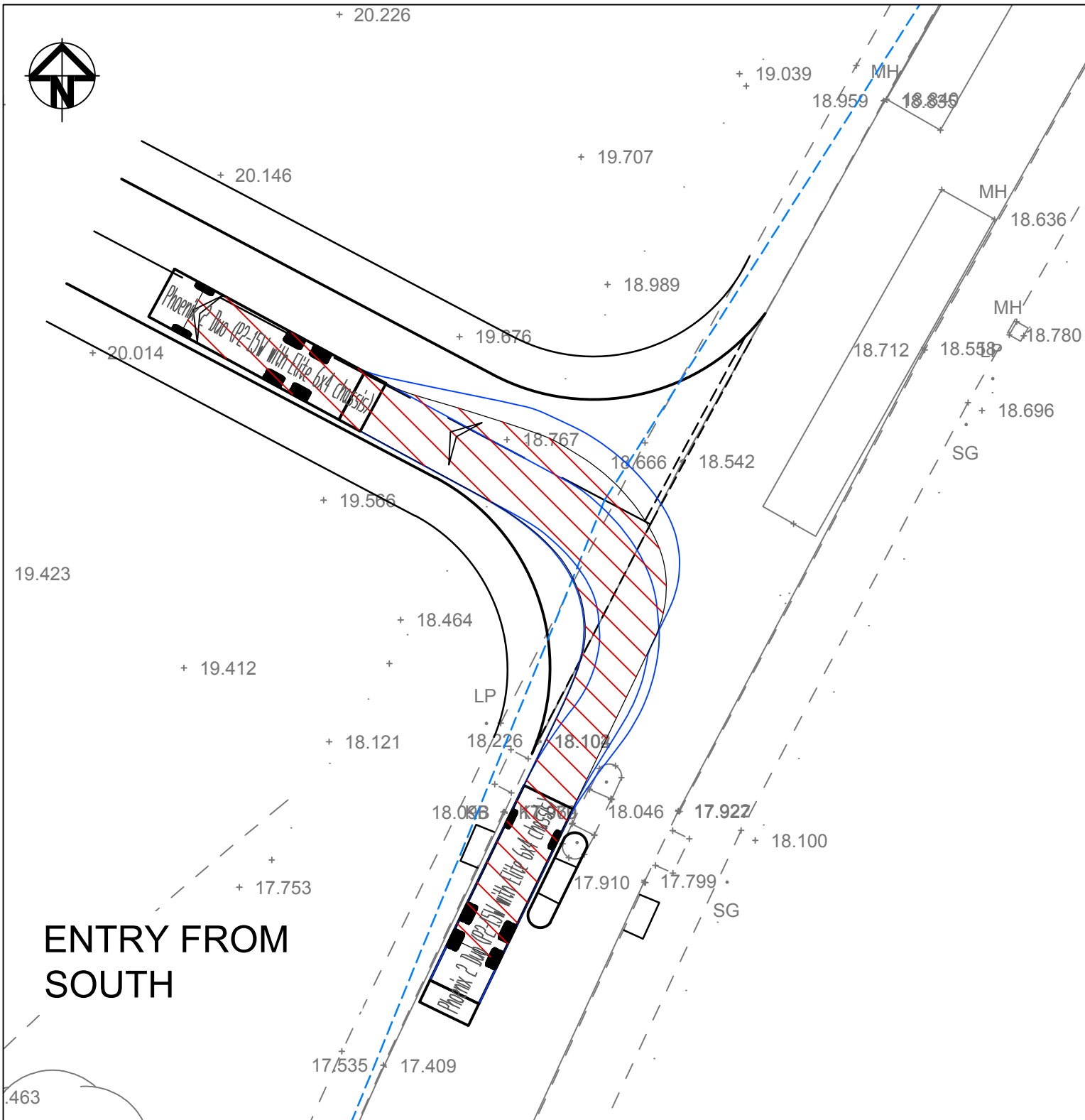
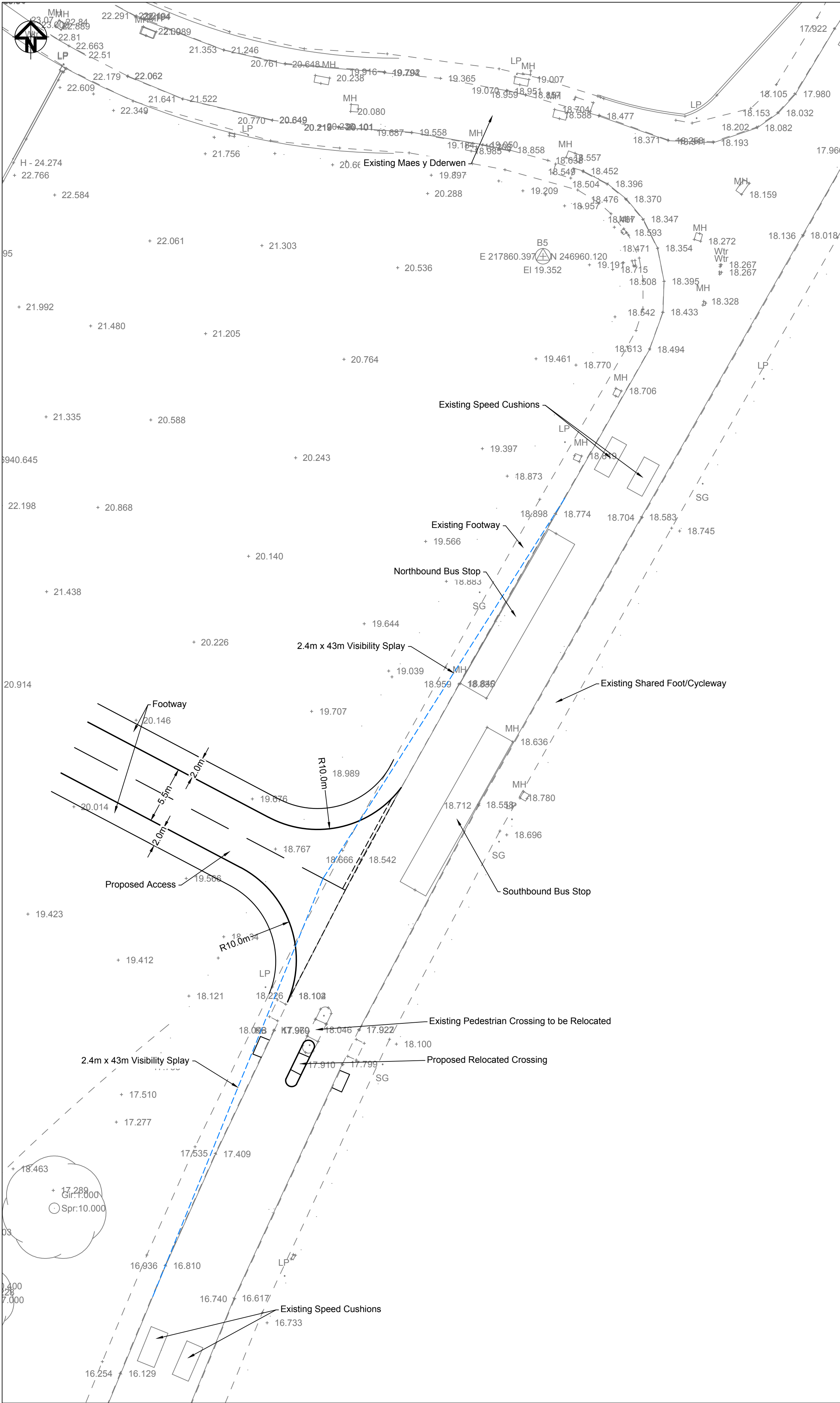
4.1 In summary this Transport Statement has demonstrated that:

- The proposal is to deliver 45 new homes.
- The site's location is closely related to the services and facilities available within Cardigan;
- The site is accessible to pedestrians, cyclists and public transport users.
- Two points of access can be provided, from Maes y Dderwen to the north and by the creation of a new junction with Rhodfa'r Felin.
- The internal layout of the site provides an adoptable standard highway and appropriate parking provision;
- The traffic generation of the development is modest and it is considered that this will have no significant impact on the operation of the highway network.

4.2 It is considered that the site meets planning policy requirements in terms of being in an appropriate location that is safely accessible by all forms of transport and that the impacts of the development on the continued operation and safety of the surrounding highway network would be acceptable.

4.3 It is concluded therefore that there are no transport related issues that should prevent planning permission for the proposed development.

Appendix 1 Proposed Rhodfa'r Felin Access



Phoenix 2 Duo (P2-15W with Elite 6x4 chassis)
Overall Length 11.200m
Overall Width 2.530m
Overall Body Height 3.51m
Min Body Ground Clearance 0.304m
Track Width 2.500m
Lock to Lock Time 4.00s
Kerb to Kerb Turning Radius 9.500m

A	First Issue	03-02-22
acstro Ty Penbryn, Salem, Llandoello, SA19 7LT E-mail: mail@acstro.com www.acstro.com Tel: 01558 824021		
Project	MAES Y DDERWEN, CARDIGAN	
Drawing	PROPOSED ACCESS	
Drawing No.	1331-ACS-XX-ZZ-DR-T-001-A	
Scale	1:200 @ A1	

Appendix 2 TRICS Trip Rate Data - Residential

Calculation Reference: AUDIT-648801-210907-0904

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BD BEDFORDSHIRE	1 days
	HC HAMPSHIRE	3 days
	KC KENT	1 days
	SC SURREY	1 days
	WS WEST SUSSEX	1 days
03	SOUTH WEST	
	DC DORSET	1 days
	DV DEVON	2 days
	SM SOMERSET	3 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	2 days
	SF SUFFOLK	3 days
05	EAST MIDLANDS	
	NR NORTHAMPTONSHIRE	2 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
	WK WARWICKSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	2 days
	SY SOUTH YORKSHIRE	2 days
	WY WEST YORKSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
09	NORTH	
	DH DURHAM	2 days
	TW TYNE & WEAR	1 days
10	WALES	
	PS POWYS	1 days
11	SCOTLAND	
	FA FALKIRK	1 days
	HI HIGHLAND	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: 25 to 73 (units:)
 Range Selected by User: 25 to 75 (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: 01/01/13 to 20/10/20

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	9 days
Wednesday	8 days
Thursday	12 days
Friday	5 days

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

Selected survey types:

Manual count	41 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)	13
Edge of Town	16
Neighbourhood Centre (PPS6 Local Centre)	12

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	31
Village	9
No Sub Category	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.

Secondary Filtering selection:

Use Class:

C3	41 days
----	---------

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 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:

1,000 or Less	2 days
1,001 to 5,000	8 days
5,001 to 10,000	10 days
10,001 to 15,000	5 days
15,001 to 20,000	5 days
20,001 to 25,000	3 days
25,001 to 50,000	7 days
50,001 to 100,000	1 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	3 days
25,001 to 50,000	5 days
50,001 to 75,000	4 days
75,001 to 100,000	9 days
100,001 to 125,000	1 days
125,001 to 250,000	12 days
250,001 to 500,000	5 days
500,001 or More	2 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	30 days
1.6 to 2.0	2 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	7 days
No	34 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	41 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	BD-03-A-03 CARNOUSTIE DRIVE BEDFORD GREAT DENHAM Edge of Town Residential Zone Total No of Dwellings: <i>Survey date: THURSDAY</i>	DETACHED HOUSES 30 15/10/20	BEDFORDSHIRE	<i>Survey Type: MANUAL</i>
2	CA-03-A-05 EASTFIELD ROAD PETERBOROUGH Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: <i>Survey date: MONDAY</i>	DETACHED HOUSES 28 17/10/16	CAMBRIDGESHIRE	<i>Survey Type: MANUAL</i>
3	CH-03-A-10 MEADOW DRIVE NORTHWICH BARNTON Edge of Town Residential Zone Total No of Dwellings: <i>Survey date: TUESDAY</i>	SEMI-DETACHED & TERRACED 40 04/06/19	CHESHIRE	<i>Survey Type: MANUAL</i>
4	DC-03-A-08 HURSTDENE ROAD BOURNEMOUTH CASTLE LANE WEST Edge of Town Residential Zone Total No of Dwellings: <i>Survey date: MONDAY</i>	BUNGALOWS 28 24/03/14	DORSET	<i>Survey Type: MANUAL</i>
5	DH-03-A-01 GREENFIELDS ROAD BISHOP AUCLAND Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: <i>Survey date: TUESDAY</i>	SEMI DETACHED 50 28/03/17	DURHAM	<i>Survey Type: MANUAL</i>
6	DH-03-A-03 PILGRIMS WAY DURHAM Edge of Town Residential Zone Total No of Dwellings: <i>Survey date: FRIDAY</i>	SEMI-DETACHED & TERRACED 57 19/10/18	DURHAM	<i>Survey Type: MANUAL</i>
7	DV-03-A-01 BRONSHILL ROAD TORQUAY Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: <i>Survey date: WEDNESDAY</i>	TERRACED HOUSES 37 30/09/15	DEVON	<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

8	DV-03-A-03 LOWER BRAND LANE HONITON	TERRACED & SEMI DETACHED	DEVON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 70 <i>Survey date: MONDAY 28/09/15</i>		
9	FA-03-A-01 MANDELA AVENUE FALKIRK	SEMI -DETACHED/TERRACED	FALKIRK
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 37 <i>Survey date: THURSDAY 30/05/13</i>		
10	GM-03-A-11 RUSHFORD STREET MANCHESTER LEVENSHULME	TERRACED & SEMI -DETACHED	GREATER MANCHESTER
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total No of Dwellings: 37 <i>Survey date: MONDAY 26/09/16</i>		
11	HC-03-A-21 PRIESTLEY ROAD BASINGSTOKE HOUNDMILLS	TERRACED & SEMI -DETACHED	HAMPSHIRE
	Edge of Town Residential Zone Total No of Dwellings: 39 <i>Survey date: TUESDAY 13/11/18</i>		
12	HC-03-A-22 BOW LAKE GARDENS NEAR EASTLEIGH BISHOPSTOKE	MIXED HOUSES	HAMPSHIRE
	Edge of Town Residential Zone Total No of Dwellings: 40 <i>Survey date: WEDNESDAY 31/10/18</i>		
13	HC-03-A-23 CANADA WAY LIPHOOK	HOUSES & FLATS	HAMPSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 62 <i>Survey date: TUESDAY 19/11/19</i>		
14	HI-03-A-14 KING BRUDE ROAD INVERNESS SCORGUIE	SEMI -DETACHED & TERRACED	HIGHLAND
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 40 <i>Survey date: WEDNESDAY 23/03/16</i>		

LIST OF SITES relevant to selection parameters (Cont.)

15	KC-03-A-03 HYTHE ROAD ASHFORD WILLESBOROUGH Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 51 Survey date: THURSDAY 14/07/16	MIXED HOUSES & FLATS	KENT	Survey Type: MANUAL
16	LC-03-A-31 GREENSIDE PRESTON COTTAM Edge of Town Residential Zone Total No of Dwellings: 32 Survey date: FRIDAY 17/11/17	DETACHED HOUSES	LANCASHIRE	Survey Type: MANUAL
17	NF-03-A-04 NORTH WALSHAM ROAD NORTH WALSHAM Edge of Town Residential Zone Total No of Dwellings: 70 Survey date: WEDNESDAY 18/09/19	MIXED HOUSES	NORFOLK	Survey Type: MANUAL
18	NF-03-A-05 HEATH DRIVE HOLT Edge of Town Residential Zone Total No of Dwellings: 40 Survey date: THURSDAY 19/09/19	MIXED HOUSES	NORFOLK	Survey Type: MANUAL
19	NR-03-A-02 HARLESTONE ROAD NEAR NORTHAMPTON CHAPEL BRAMPTON Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 47 Survey date: TUESDAY 20/10/20	DETACHED & SEMI-DETACHED	NORTHAMPTONSHIRE	Survey Type: MANUAL
20	NR-03-A-03 MAIN STREET NEAR WELLINGBOROUGH LITTLE HARROWDEN Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 44 Survey date: TUESDAY 20/10/20	MIXED HOUSES & FLATS	NORTHAMPTONSHIRE	Survey Type: MANUAL
21	NY-03-A-09 GRAMMAR SCHOOL LANE NORTHALLERTON Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 52 Survey date: MONDAY 16/09/13	MIXED HOUSING	NORTH YORKSHIRE	Survey Type: MANUAL
22	NY-03-A-10 BOROUGHBRIDGE ROAD RIPON Edge of Town No Sub Category Total No of Dwellings: 71 Survey date: TUESDAY 17/09/13	HOUSES AND FLATS	NORTH YORKSHIRE	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

23	PS-03-A-02 GUNROG ROAD WELSHPOOL	DETACHED/SEMI-DETACHED	POWYS
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 28 <i>Survey date: MONDAY 11/05/15</i>		<i>Survey Type: MANUAL</i>
24	SC-03-A-04 HIGH ROAD BYFLEET	DETACHED & TERRACED	SURREY
	Edge of Town Residential Zone Total No of Dwellings: 71 <i>Survey date: THURSDAY 23/01/14</i>		<i>Survey Type: MANUAL</i>
25	SF-03-A-06 BURY ROAD KENTFORD	DETACHED & SEMI-DETACHED	SUFFOLK
	Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 38 <i>Survey date: FRIDAY 22/09/17</i>		<i>Survey Type: MANUAL</i>
26	SF-03-A-07 FOXHALL ROAD IPSWICH	MIXED HOUSES	SUFFOLK
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 73 <i>Survey date: THURSDAY 09/05/19</i>		<i>Survey Type: MANUAL</i>
27	SF-03-A-08 STANNINGFIELD ROAD NEAR BURY ST EDMUNDS GREAT WHELNETHAM	MIXED HOUSES	SUFFOLK
	Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 34 <i>Survey date: WEDNESDAY 16/09/20</i>		<i>Survey Type: MANUAL</i>
28	SH-03-A-05 SANDCROFT TELFORD SUTTON HILL	SEMI-DETACHED/TERRACED	SHROPSHIRE
	Edge of Town Residential Zone Total No of Dwellings: 54 <i>Survey date: THURSDAY 24/10/13</i>		<i>Survey Type: MANUAL</i>
29	SM-03-A-01 WEMBDON ROAD BRIDGWATER NORTHFIELD	DETACHED & SEMI	SOMERSET
	Edge of Town Residential Zone Total No of Dwellings: 33 <i>Survey date: THURSDAY 24/09/15</i>		<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

30	SM-03-A-02	MIXED HOUSES	SOMERSET
	HYDE LANE NEAR TAUNTON CREECH SAINT MICHAEL Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 42 <i>Survey date: TUESDAY 25/09/18</i> <i>Survey Type: MANUAL</i>		
31	SM-03-A-03	MIXED HOUSES	SOMERSET
	HYDE LANE NEAR TAUNTON CREECH ST MICHAEL Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 41 <i>Survey date: TUESDAY 25/09/18</i> <i>Survey Type: MANUAL</i>		
32	ST-03-A-08	DETACHED HOUSES	STAFFORDSHIRE
	SILKMORE CRESCENT STAFFORD MEADOWCROFT PARK Edge of Town Residential Zone Total No of Dwellings: 26 <i>Survey date: WEDNESDAY 22/11/17</i> <i>Survey Type: MANUAL</i>		
33	SY-03-A-01	SEMI DETACHED HOUSES	SOUTH YORKSHIRE
	A19 BENTLEY ROAD DONCASTER BENTLEY RISE Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 54 <i>Survey date: WEDNESDAY 18/09/13</i> <i>Survey Type: MANUAL</i>		
34	SY-03-A-02	DETACHED & BUNGALOWS	SOUTH YORKSHIRE
	MANOR ROAD NEAR SHEFFIELD WALES Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 25 <i>Survey date: THURSDAY 10/09/20</i> <i>Survey Type: MANUAL</i>		
35	TW-03-A-03	MIXED HOUSES	TYNE & WEAR
	STATION ROAD NEAR NEWCASTLE BACKWORTH Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings: 33 <i>Survey date: FRIDAY 13/11/15</i> <i>Survey Type: MANUAL</i>		
36	WK-03-A-04	DETACHED HOUSES	WARWICKSHIRE
	DALEHOUSE LANE KENILWORTH Edge of Town Residential Zone Total No of Dwellings: 49 <i>Survey date: FRIDAY 27/09/19</i> <i>Survey Type: MANUAL</i>		

LIST OF SITES relevant to selection parameters (Cont.)

37	WL-03-A-02	SEMI DETACHED		WILTSHIRE
	HEADLANDS GROVE			
	SWINDON			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total No of Dwellings:	27		
	Survey date: THURSDAY	22/09/16	Survey Type: MANUAL	
38	WM-03-A-04	TERRACED HOUSES		WEST MIDLANDS
	OSBORNE ROAD			
	COVENTRY			
	EARLSDON			
	Neighbourhood Centre (PPS6 Local Centre)			
	Residential Zone			
	Total No of Dwellings:	39		
	Survey date: MONDAY	21/11/16	Survey Type: MANUAL	
39	WO-03-A-07	MIXED HOUSES & FLATS		WORCESTERSHIRE
	RYE GRASS LANE			
	REDDITCH			
	Edge of Town			
	Residential Zone			
	Total No of Dwellings:	47		
	Survey date: THURSDAY	01/10/20	Survey Type: MANUAL	
40	WS-03-A-07	BUNGALOWS		WEST SUSSEX
	EMMS LANE			
	NEAR HORSHAM			
	BROOKS GREEN			
	Neighbourhood Centre (PPS6 Local Centre)			
	Village			
	Total No of Dwellings:	57		
	Survey date: THURSDAY	19/10/17	Survey Type: MANUAL	
41	WY-03-A-01	MIXED HOUSING		WEST YORKSHIRE
	SPRING VALLEY CRESCENT			
	LEEDS			
	BRAMLEY			
	Neighbourhood Centre (PPS6 Local Centre)			
	Residential Zone			
	Total No of Dwellings:	46		
	Survey date: WEDNESDAY	21/09/16	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.

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	41	44	0.068	41	44	0.272	41	44	0.340
08:00 - 09:00	41	44	0.142	41	44	0.358	41	44	0.500
09:00 - 10:00	41	44	0.157	41	44	0.205	41	44	0.362
10:00 - 11:00	41	44	0.142	41	44	0.162	41	44	0.304
11:00 - 12:00	41	44	0.162	41	44	0.181	41	44	0.343
12:00 - 13:00	41	44	0.173	41	44	0.167	41	44	0.340
13:00 - 14:00	41	44	0.172	41	44	0.173	41	44	0.345
14:00 - 15:00	41	44	0.168	41	44	0.191	41	44	0.359
15:00 - 16:00	41	44	0.245	41	44	0.180	41	44	0.425
16:00 - 17:00	41	44	0.286	41	44	0.152	41	44	0.438
17:00 - 18:00	41	44	0.317	41	44	0.157	41	44	0.474
18:00 - 19:00	41	44	0.230	41	44	0.128	41	44	0.358
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.262			2.326			4.588

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:	25 - 73 (units:)
Survey date range:	01/01/13 - 20/10/20
Number of weekdays (Monday-Friday):	41
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	4
Surveys manually removed from selection:	0

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.

acstro

Acstro Limited
Ty Penbryn
Salem
Llandeilo
Carmarthenshire
SA19 7LT

W. www.acstro.com
E. mail@acstro.com
T. 01558 824021
