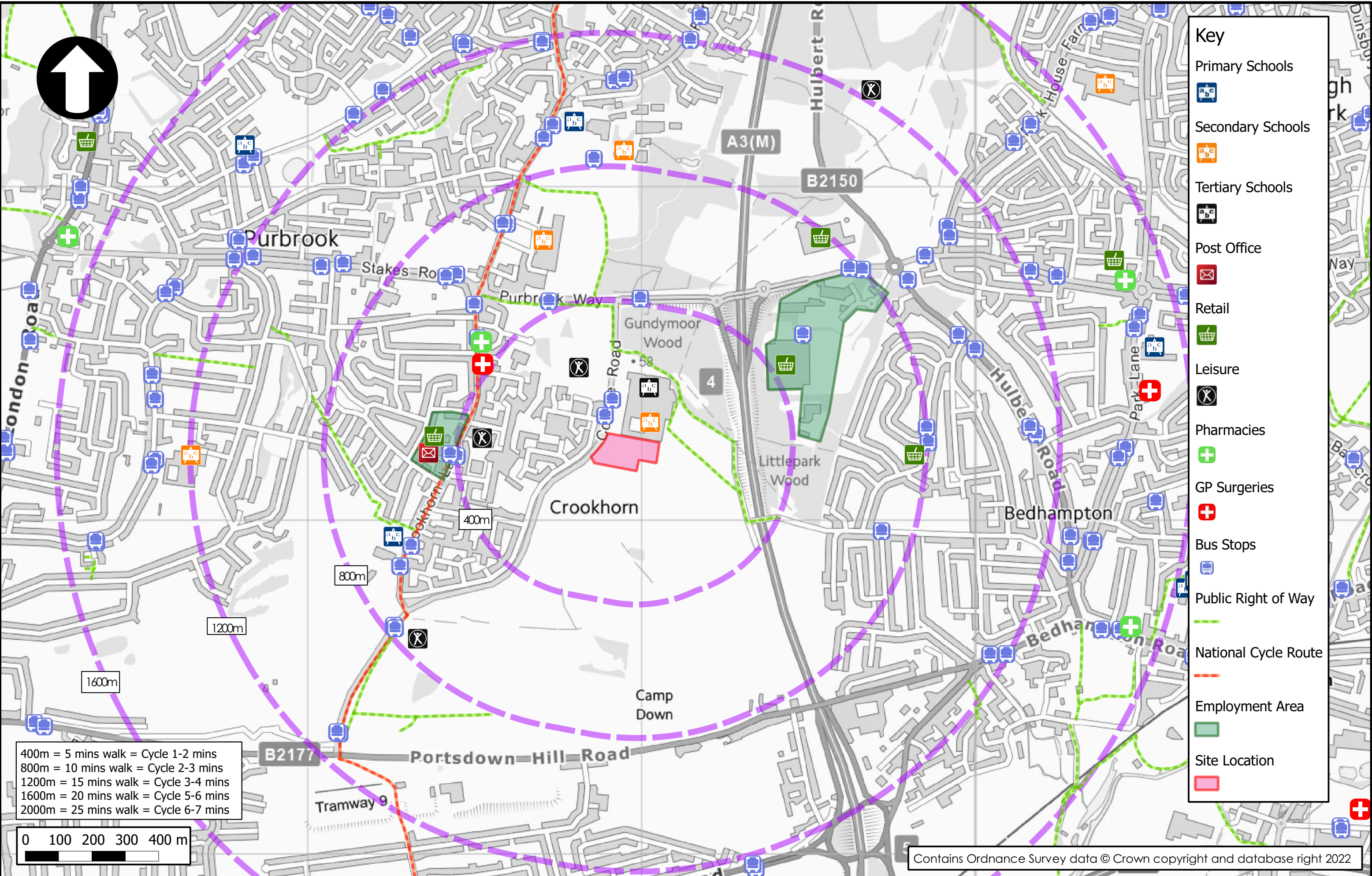


---

## **Appendix A** Drawings and Figures



**These national charities have worked tirelessly to help improve cycling opportunities and safety here and throughout the country**



Sustrans – The charity that makes it easier to cycle  
[www.sustrans.org.uk](http://www.sustrans.org.uk)

[www.havant.gov.uk/cycle](http://www.havant.gov.uk/cycle)

Racing bike or mountain bike, young or old, there are great cycling opportunities for all in the borough.

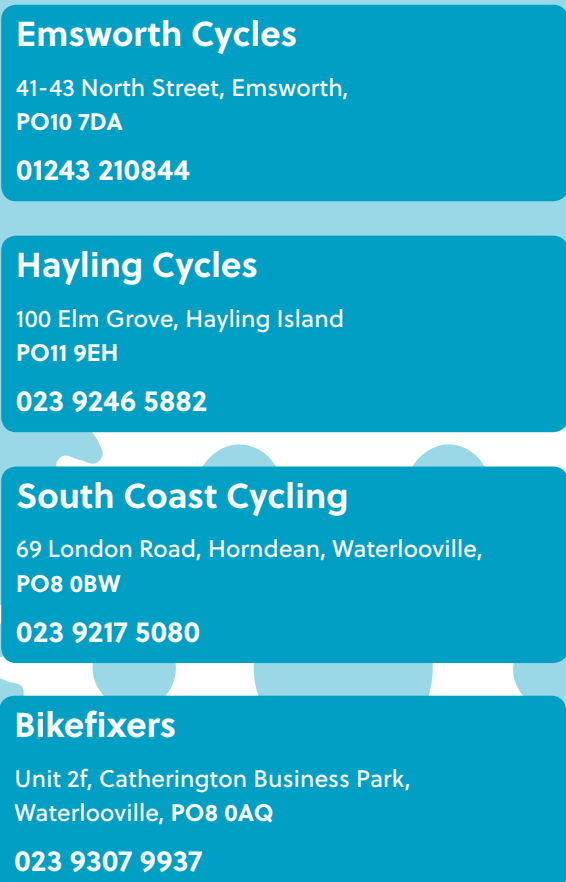
[www.cyclinguk.org](http://www.cyclinguk.org)

A charity dedicated to sustainable transport, Sustrans is responsible for the National Cycle Network, which has created more than 14,000 miles of signed cycle routes throughout the UK. With a volunteer workforce in the thousands, it works to maintain the National Cycle Network, enhancing biodiversity along its routes and helping communities improve their air quality.

[www.sustrans.org.uk](http://www.sustrans.org.uk)

# ABOUT WATERLOOVILLE

**Named after the soldiers who stopped there after returning from the Battle of Waterloo, Waterlooville has lots to offer...**



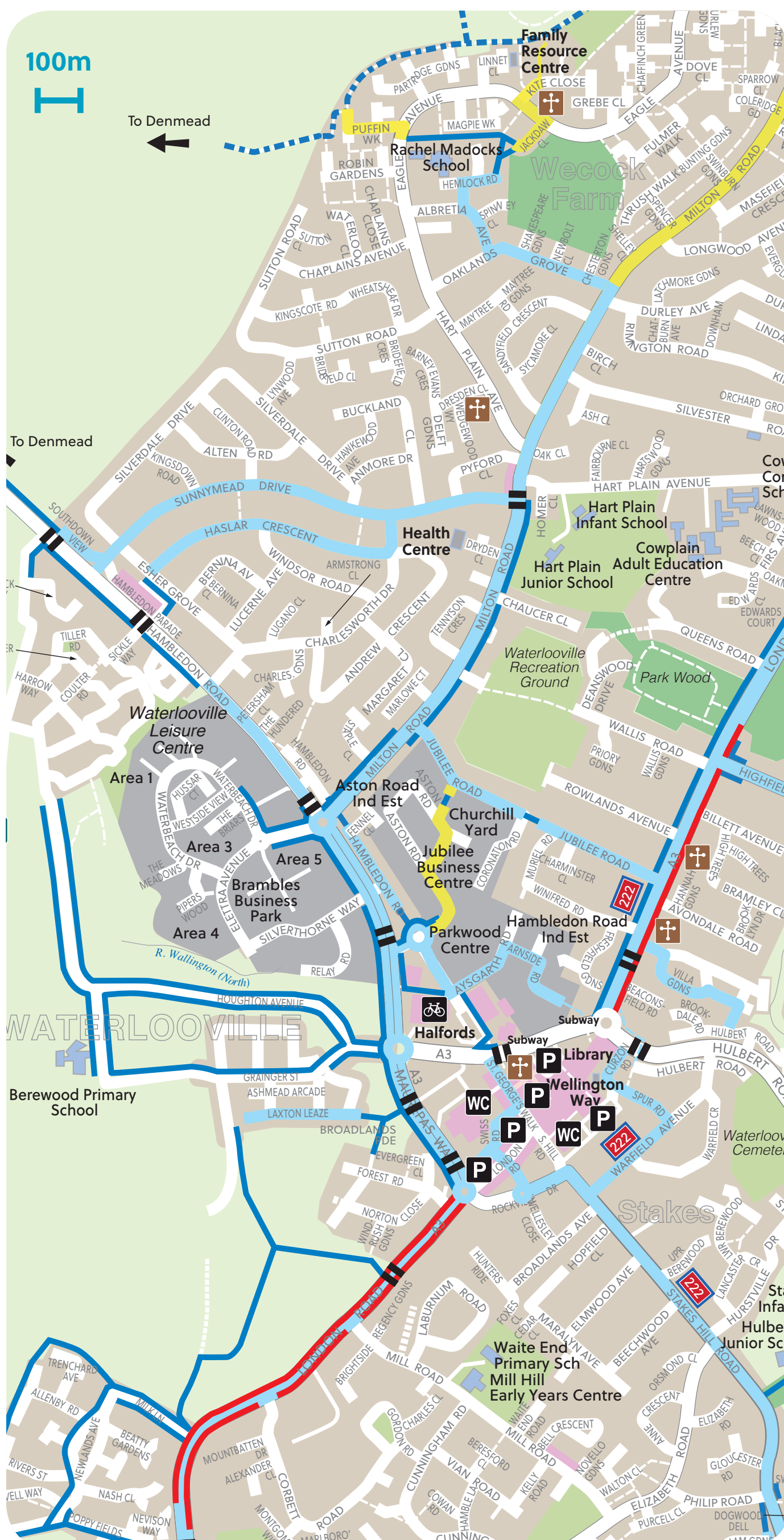
**PLEASE NOTE:** This leaflet is a not endorsement for any of the cycle shops listed - please use at your discretion.



Waterlooville initially developed around a road running through the Forest of Bere. A simple track – only usable in fair weather – led through the forest from Horndean to Portsmouth. In 1711, a much better road was constructed joining London to Portsmouth – recognisable today as London Road.

Growing significantly in size following World War II (at one stage, it was recognised as the fastest growing town in Britain), Waterlooville is home to a wide range of shops, pubs and cafés – ideal for a break on your bike ride!

# WATERLOOVILLE TOWN CENTRE



## ABOUT HAYLING

Home to an Iron Age shrine, a Roman temple and 12th Century monks, Hayling is also the home of windsurfing, invented here in 1958.



- Use paths shared with others considerately, and always consider your speed around them.
- Do not assume people have seen or heard you.
- Take care around horse riders, leaving them plenty of room - especially when approaching from behind.
- Cycle at a speed safe for you and those around you. Don't let personal challenges place you or others at risk.
- Slow down where space is limited, there are crossings or junctions, or you cannot see clearly ahead.
- Have a bell on your bike - and use it to avoid surprise.
- Don't ride in dull or dark weather without lights.



Steeped in history, half of the island was granted to the French abbey of Jumièges by William the Conqueror. Salt production was a major industry on the island. It was recorded in the Domesday Book and continued into the late 19th Century.

Today, the island's fine beaches prove popular with paddlers and watersports enthusiasts alike, and the Hayling Billy Trail – following the line of a disused railway – travels the length of the island, providing cyclists with a safe and beautiful route to explore.

# MAP OF THE BOROUGH



**Havant**  
BOROUGH COUNCIL



## KEY ROAD SIGNS FOR CYCLISTS



The Highway Code can be seen at [www.gov.uk/highwaycode](http://www.gov.uk/highwaycode), but some key signs for cyclists are as follows:



## KEY

### Signs and Lines

- Off road cycle track (hard surfaced)
- On-road cycle lane
- Bus and cycle lane
- Signposted route (part of a National Cycle Network route where indicated)
- Suggested link route (not signposted)
- By-way open to all traffic (BOAT) or bridgeway or other track available for cyclist use (typically loose surfaced)
- By-way open to all traffic (BOAT) or bridgeway or other track available for cyclist use (typically improved surfaced)
- One way traffic INCLUDING CYCLISTS
- Controlled crossing
- Cyclists beware - Difficult junction, barriers or step
- Cycle parking  
NB - All stations and most public buildings have cycle parking facilities
- Cycle shop

### Buildings and places of interest

- Public toilets
- Church
- Caravan site
- Other places of interest
- Mainline railway station
- Narrow gauge railway station
- Bus interchange
- Ferry terminal
- South Downs National Park boundary
- Woods and forests
- Parks and other open spaces
- Countryside and arable land
- School or college
- Shopping area / retail park
- Blue Flag beach

## NATIONAL CYCLE NETWORK



The network is a 14,000 mile network of safe, traffic-free paths and quiet on-road cycling and walking routes.

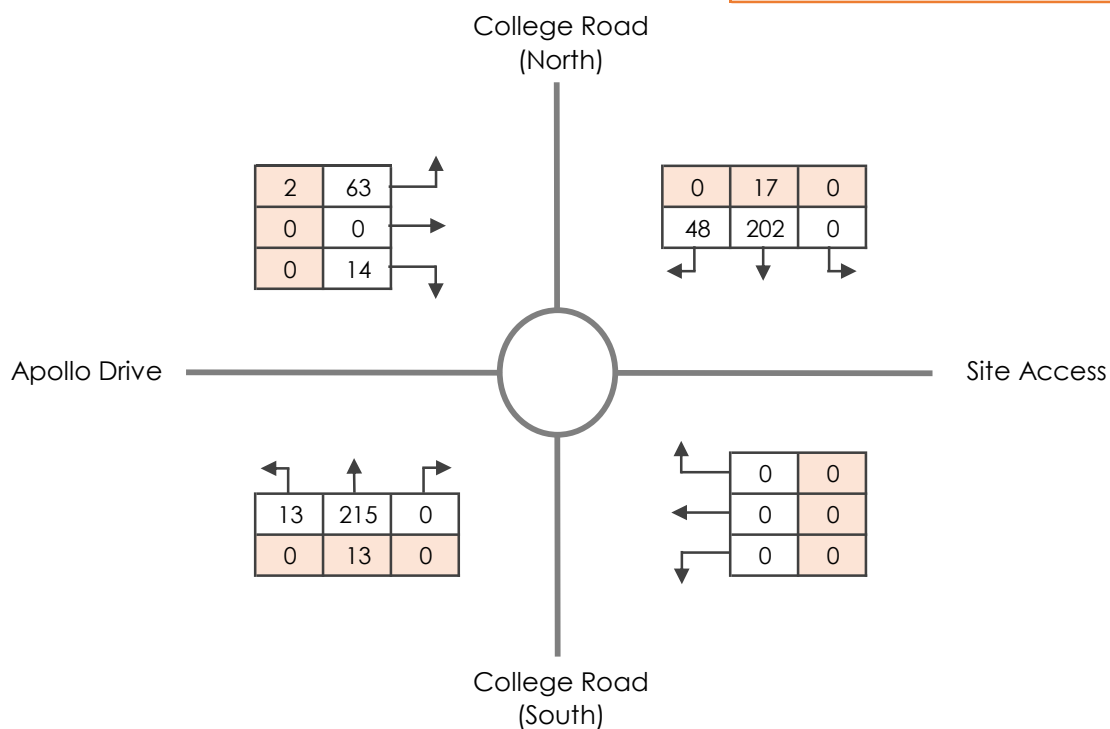
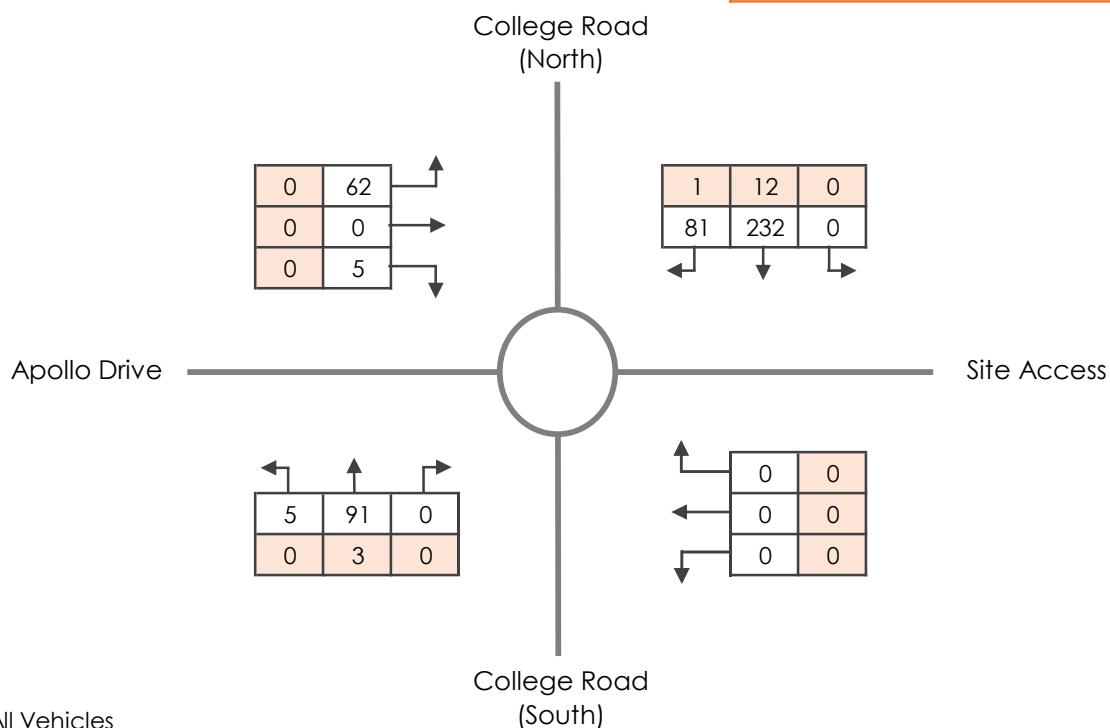
The Havant area is fortunate enough to have three main routes from the National Cycle Network running through it. These are marked on the maps in this leaflet as light blue routes with their corresponding route number. The routes are:

**Route 2 - Dover to Cornwall** [2]  
Via Brighton, Chichester, Havant, Portsmouth and Exeter

**Route 22 - South London to New Forest** [22]  
Via Guildford, Farnham, Petersfield, Havant, Portsmouth and the Isle of Wight

**Route 222 - A link between routes 2 and 22** [222]  
Connecting route 22 at Chalton to route 2 in Southsea via Hordean, Waterlooville and Farlington

If you've enjoyed riding along these lovely routes, why not consider becoming a volunteer and help maintain them? For more information on the network and volunteering, visit [www.sustrans.org.uk](http://www.sustrans.org.uk)

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

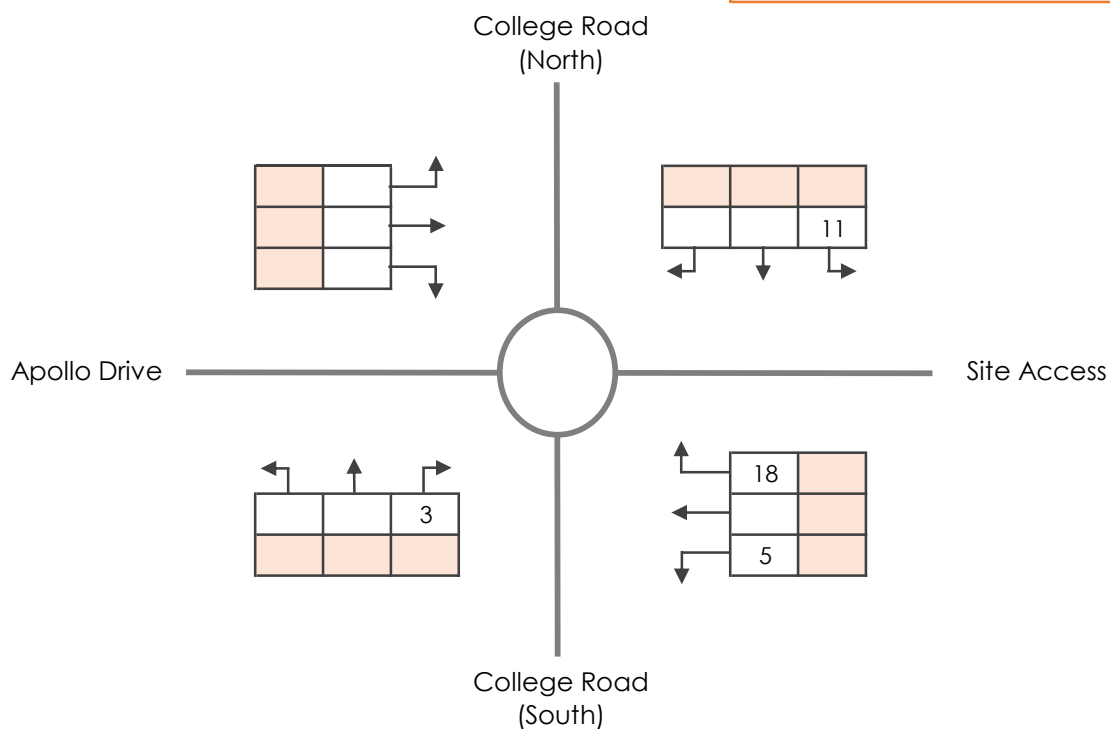
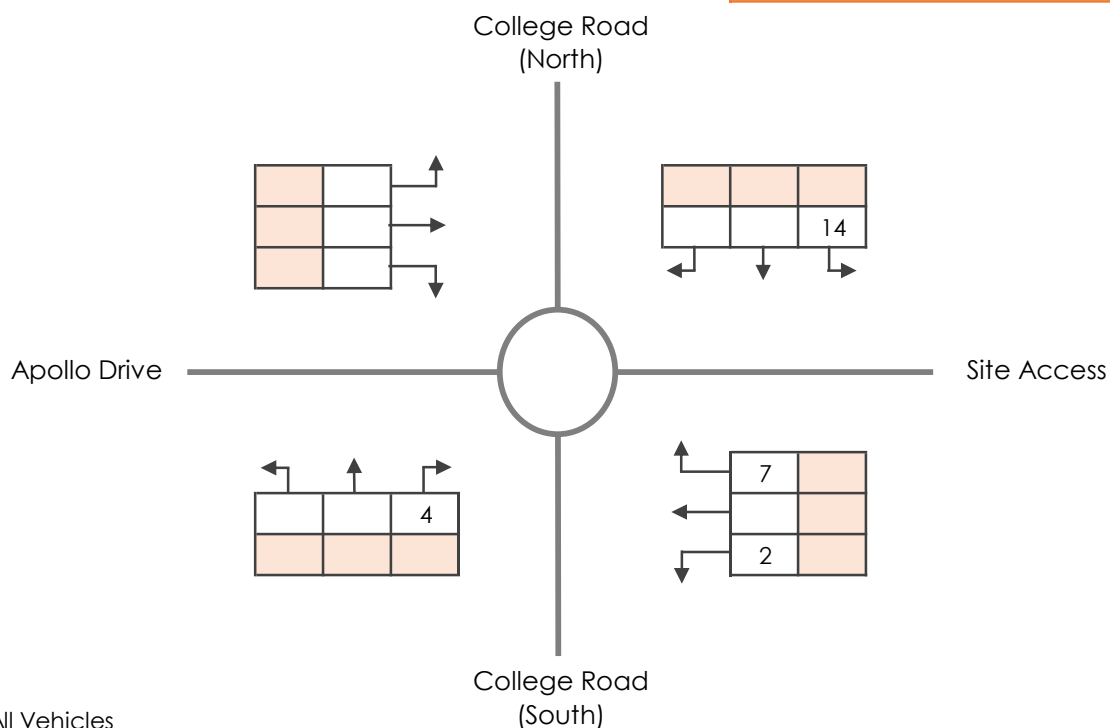
2022 Base Count Data

**PROJECT**

1017

South Downs College

**FIGURE****6.1**

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

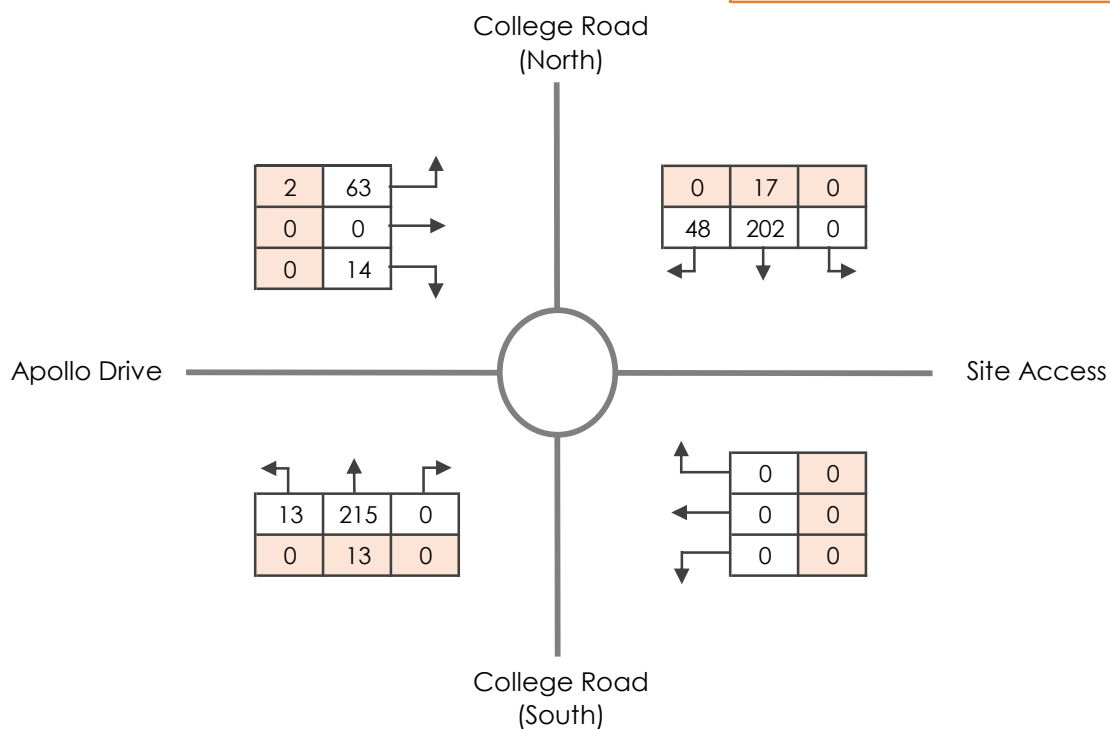
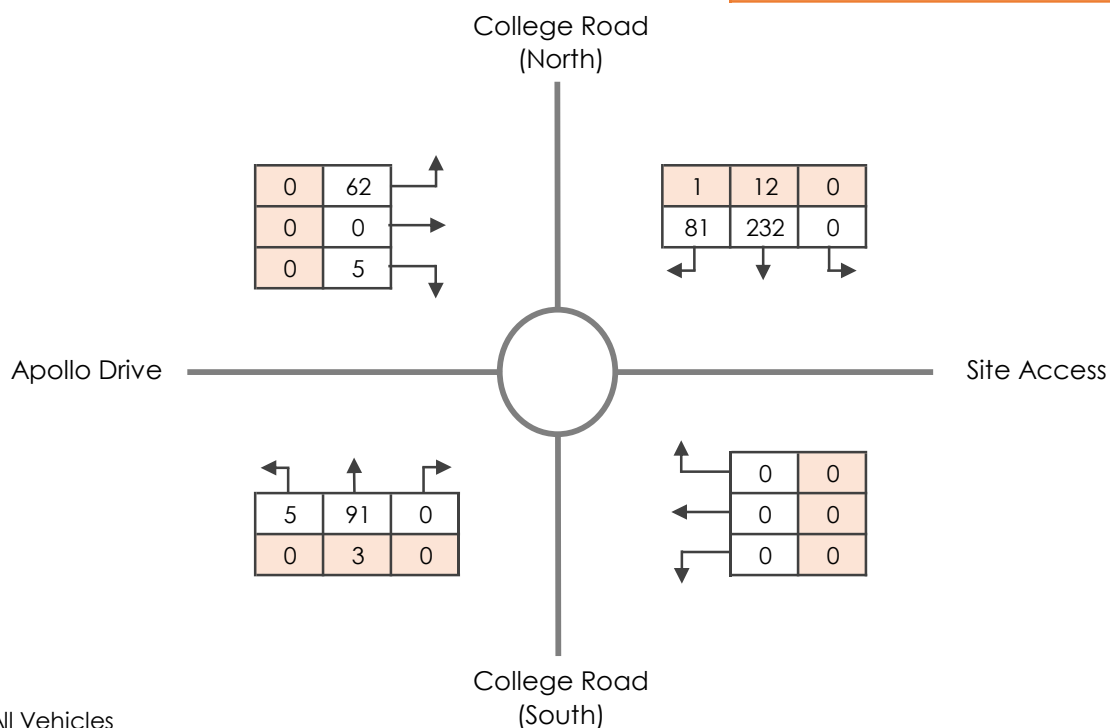
Development Assigned Trips

**PROJECT**

1017

South Downs College

**FIGURE****6.2**

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

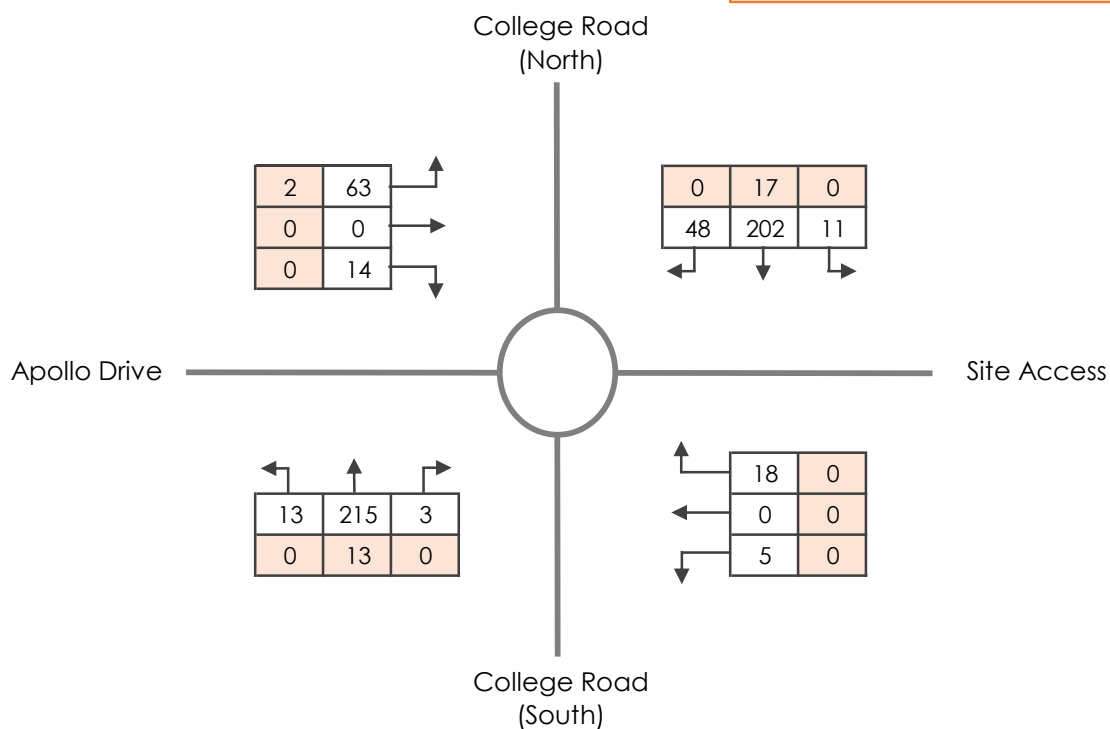
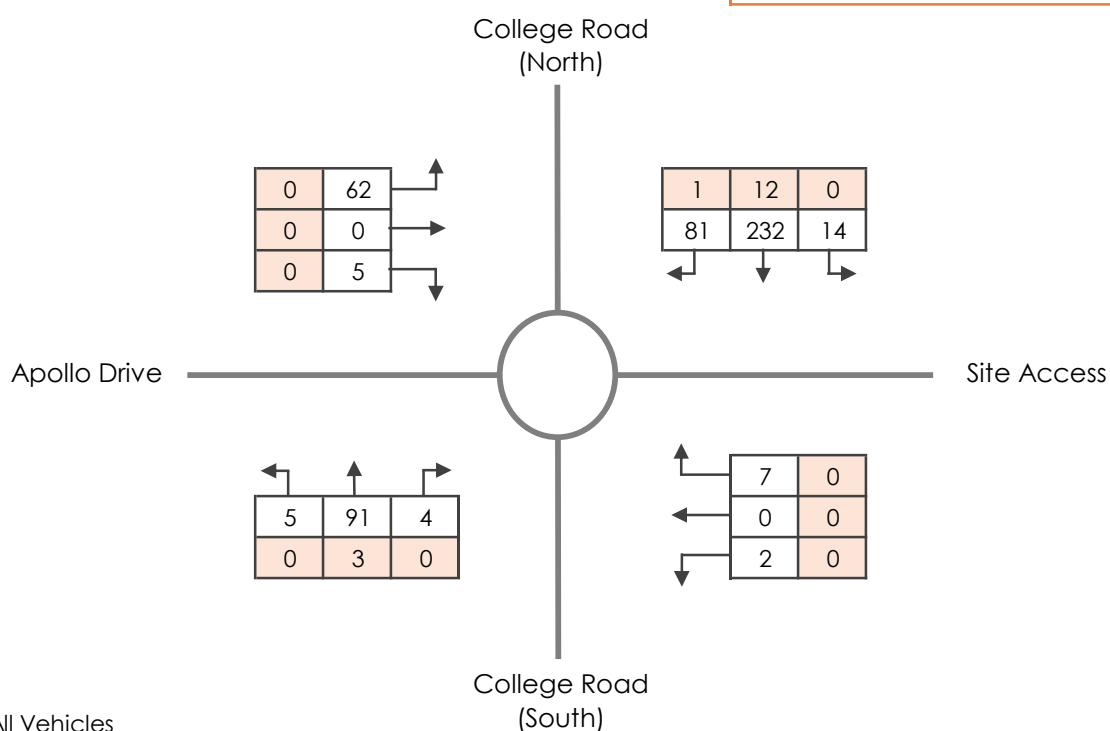
2022 BASE

**PROJECT**

1017

South Downs College

**FIGURE****6.3**

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

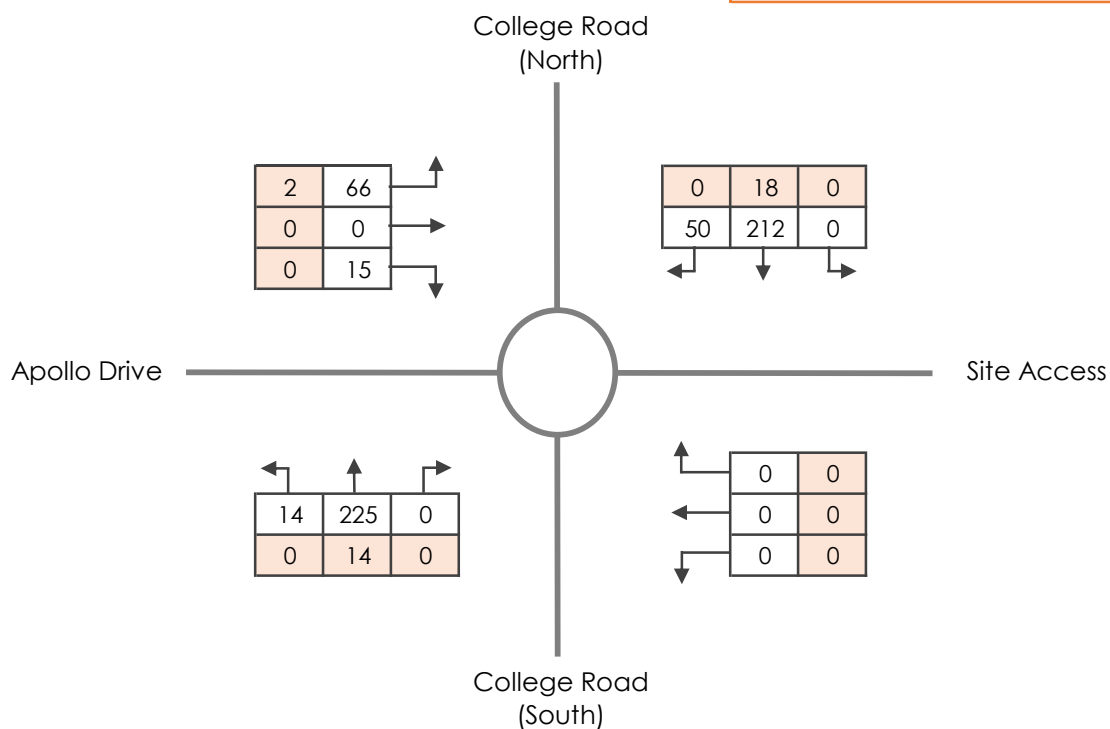
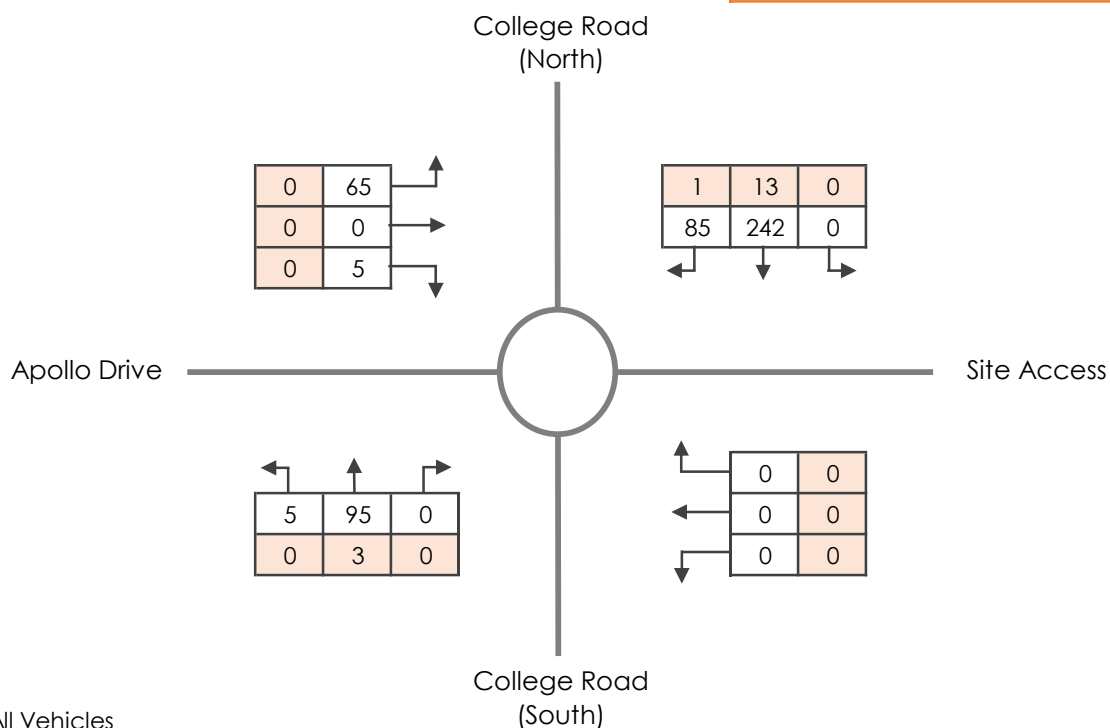
2022 BASE + DEVELOPMENT

**PROJECT**

1017

South Downs College

**FIGURE****6.4**

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

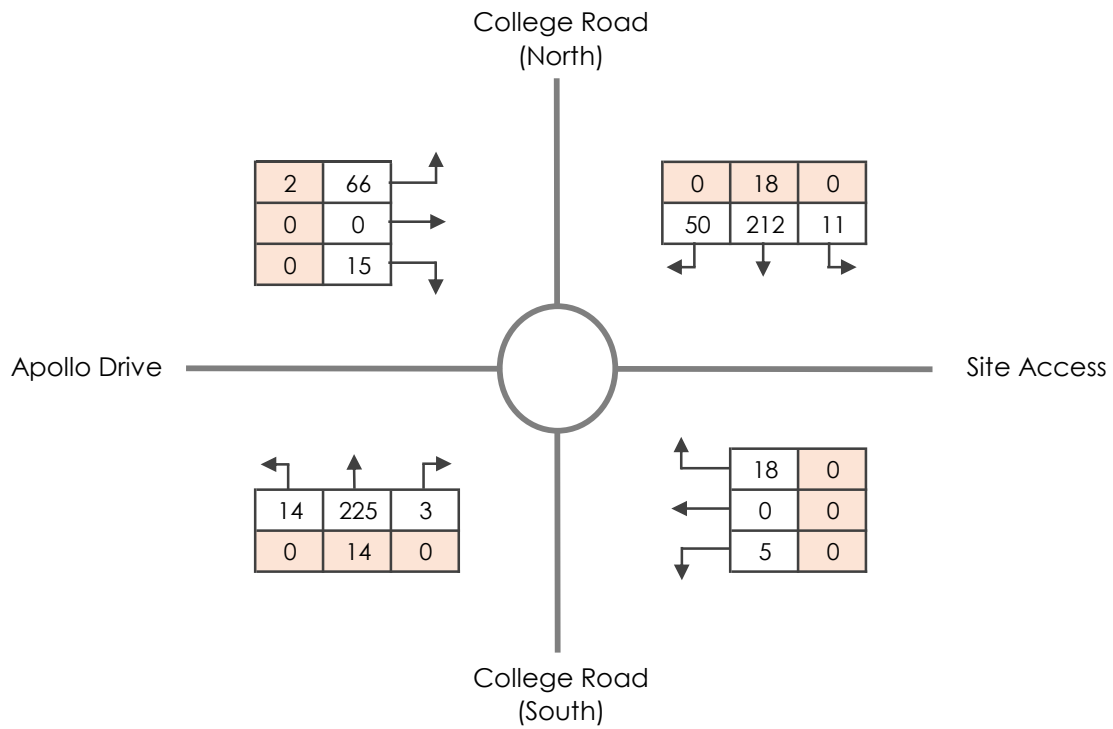
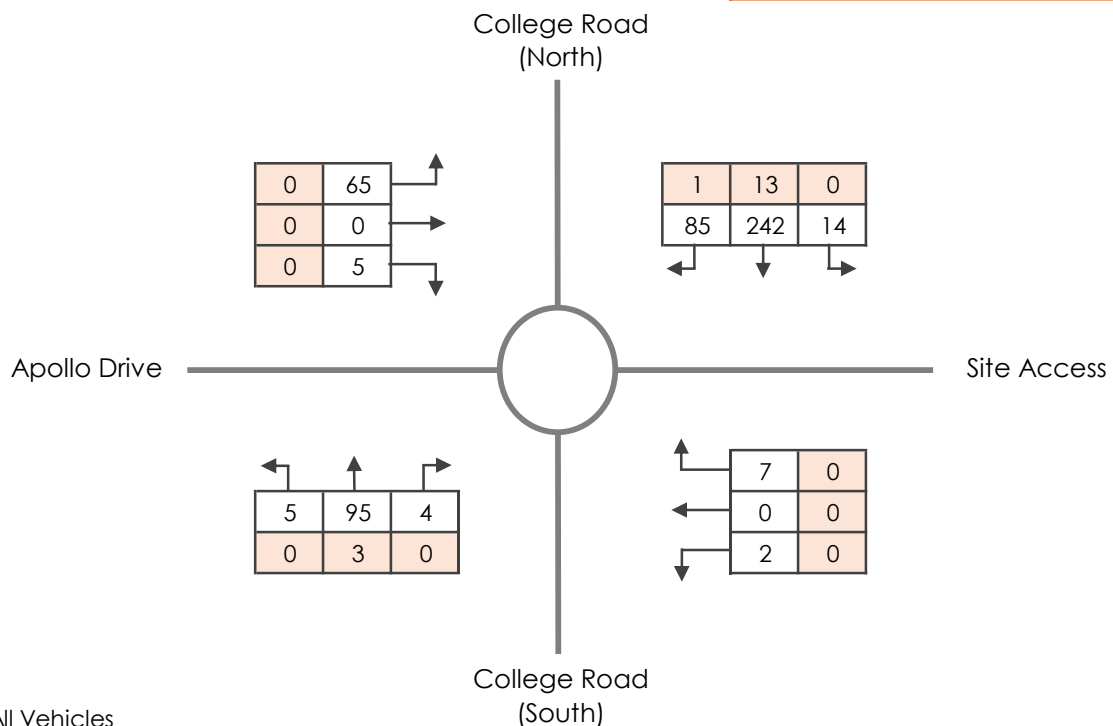
2027 BASE

**PROJECT**

1017

South Downs College

**FIGURE****6.5**

**Site Access - Mini Roundabout****AM****Site Access - Mini Roundabout****PM****Key**

|  |              |
|--|--------------|
|  | All Vehicles |
|  | HGV          |

**TITLE**

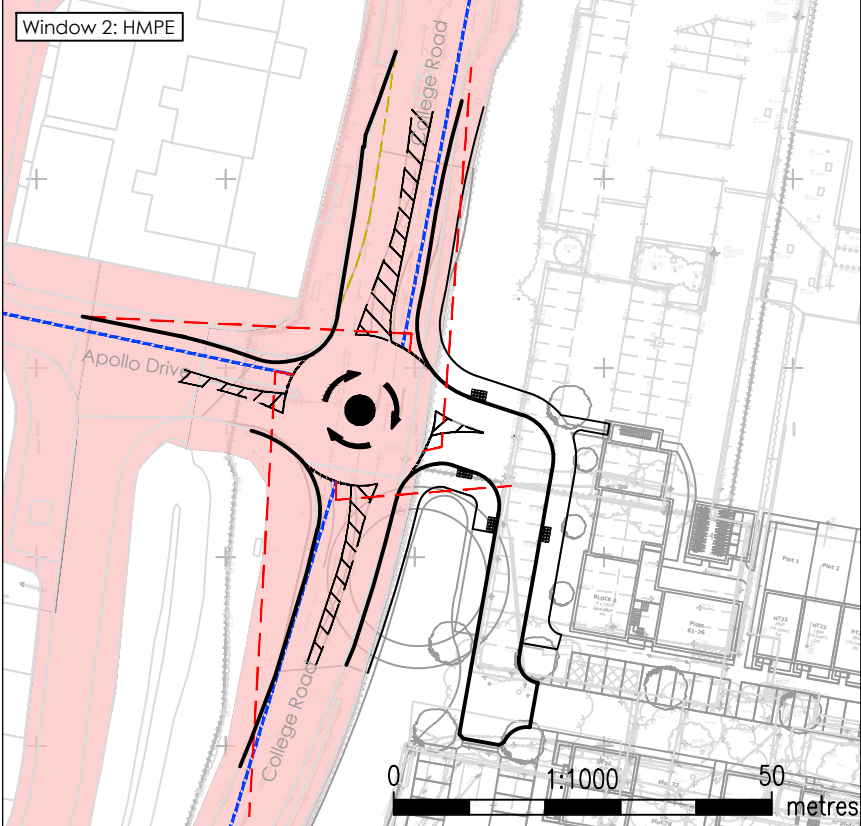
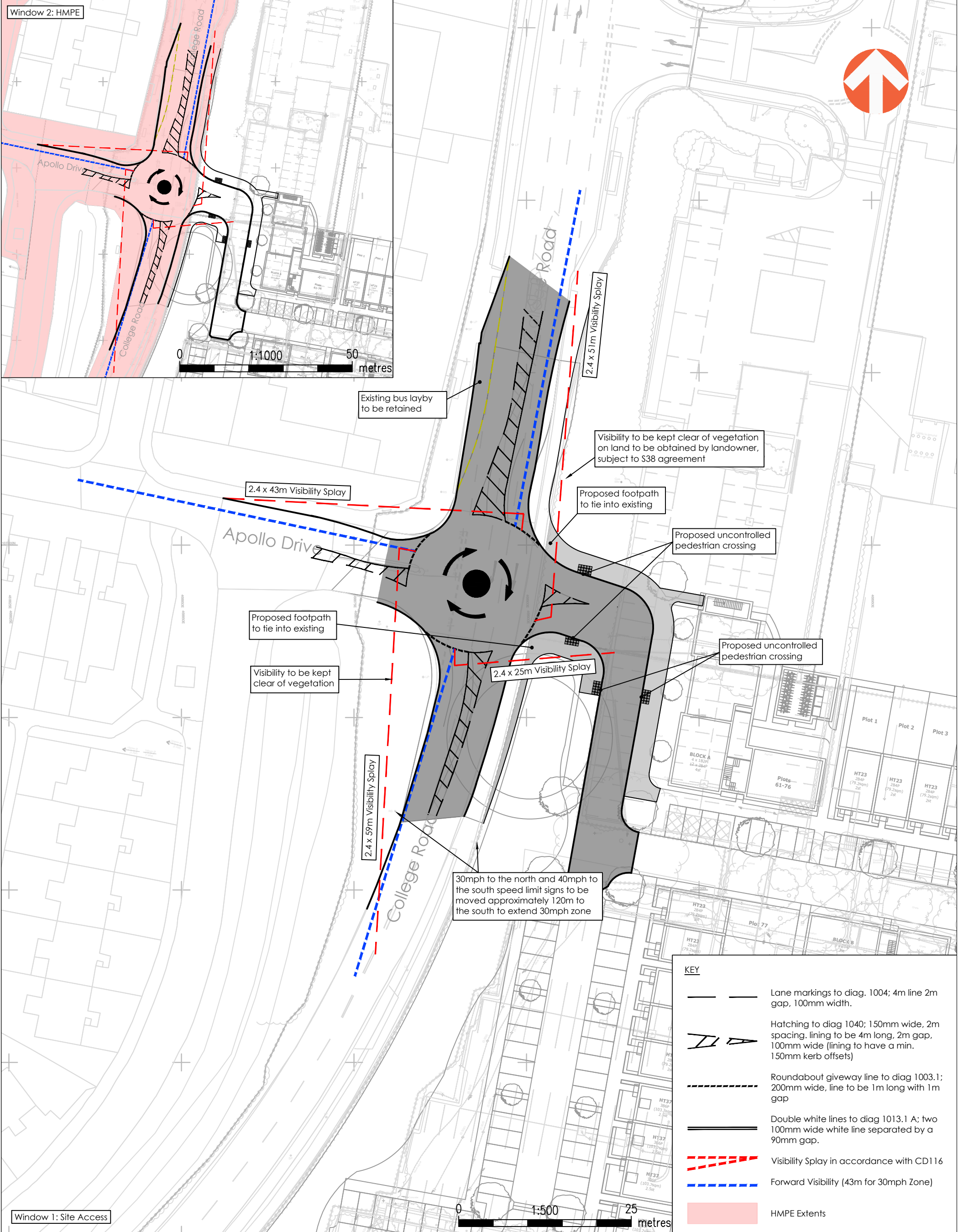
2027 BASE + DEVELOPMENT

**PROJECT**

1017

South Downs College

**FIGURE****6.6**



Window 1: Site Access

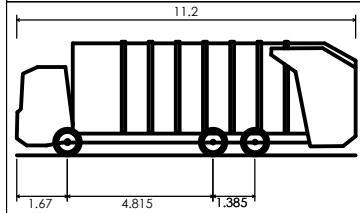
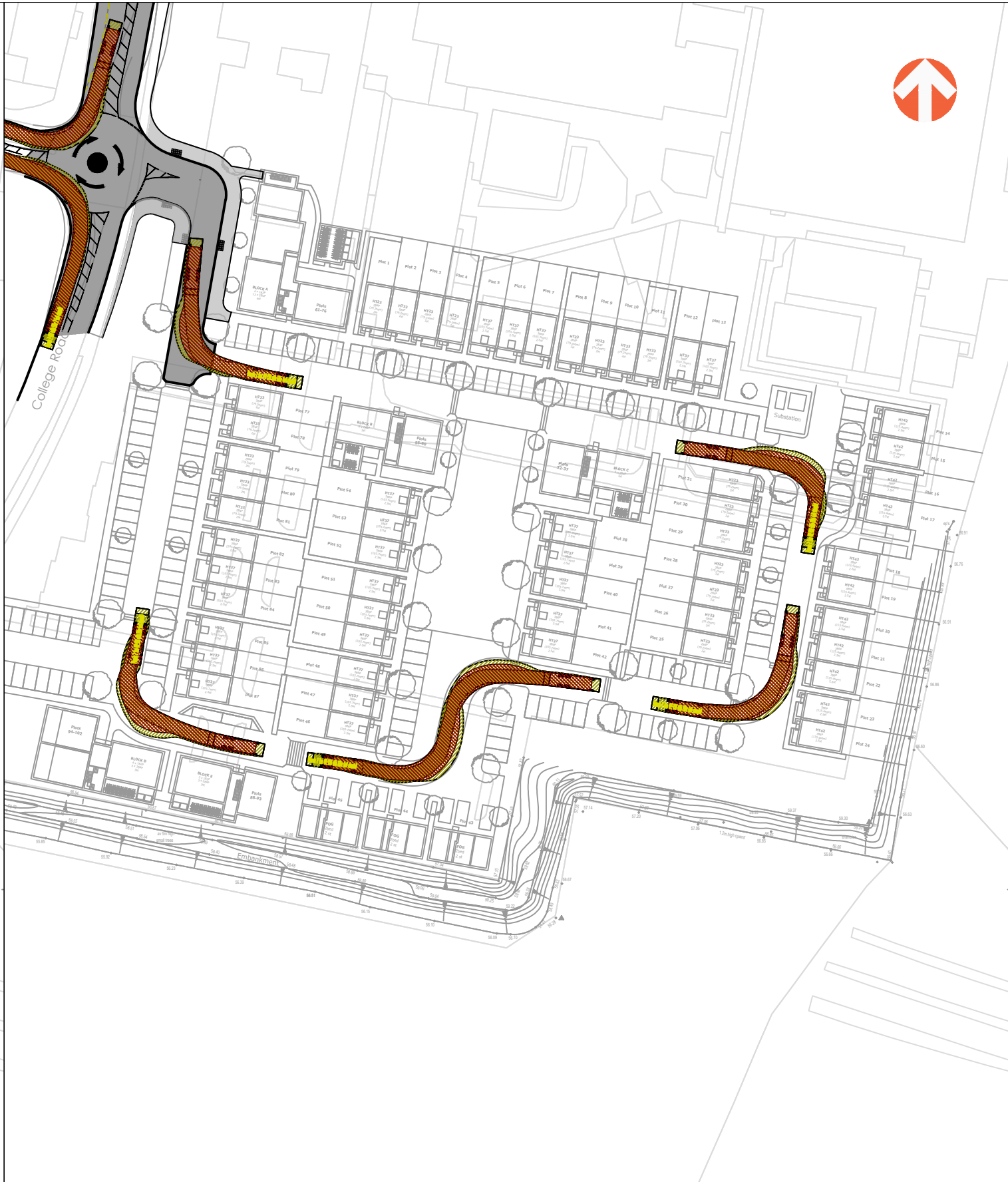
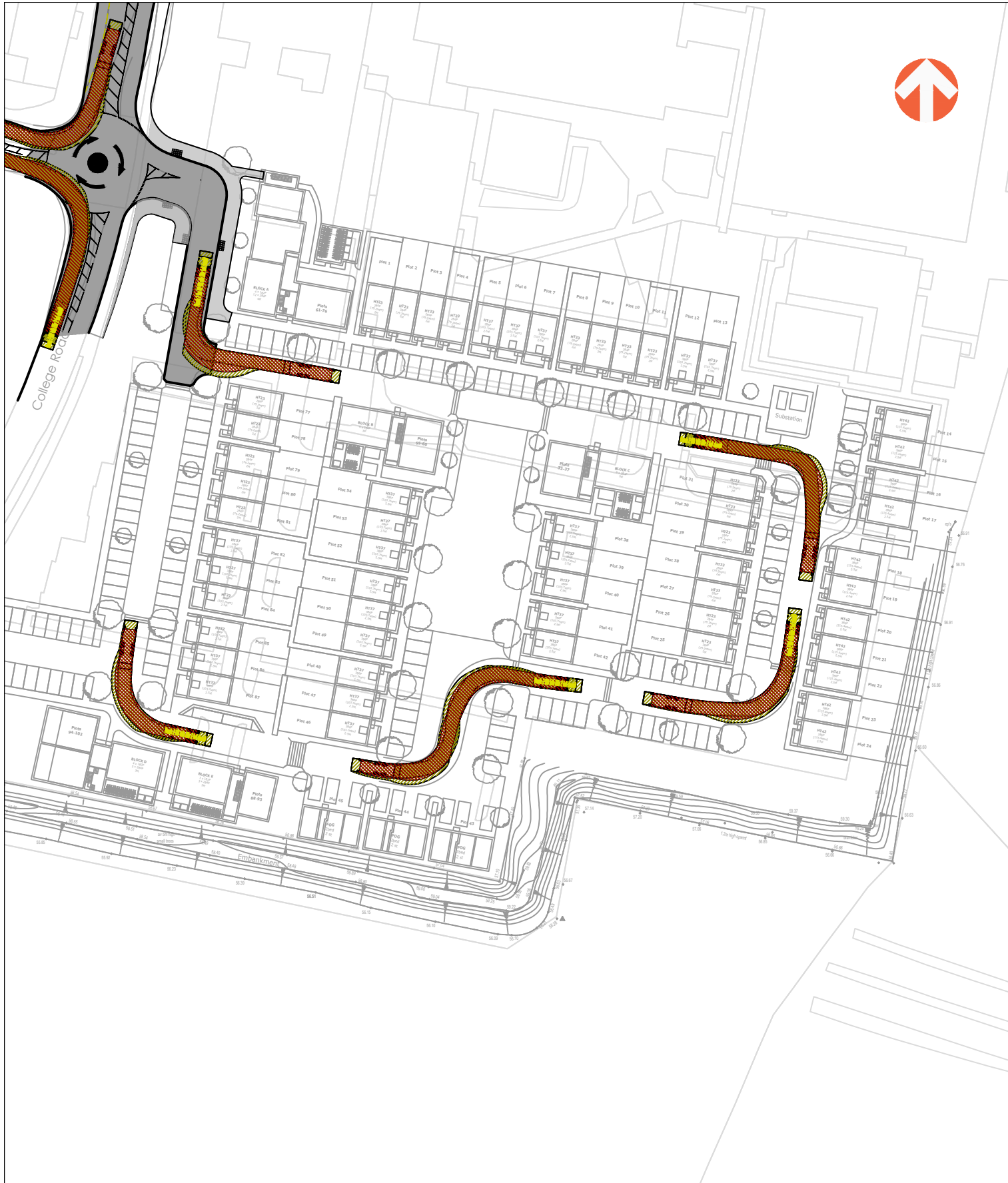
| KEY |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
|     | Lane markings to diag. 1004; 4m line 2m gap, 100mm width.                                                                          |
|     | Hatching to diag 1040; 150mm wide, 2m spacing. lining to be 4m long, 2m gap, 100mm wide (lining to have a min. 150mm kerb offsets) |
|     | Roundabout giveaway line to diag 1003.1; 200mm wide, line to be 1m long with 1m gap                                                |
|     | Double white lines to diag 1013.1 A; two 100mm wide white line separated by a 90mm gap.                                            |
|     | Visibility Splay in accordance with CD116                                                                                          |
|     | Forward Visibility (43m for 30mph Zone)                                                                                            |
|     | HMPE Extents                                                                                                                       |

| C                    | 24.03.2022 | REVISED LAYOUT | BF | CG  | AJW |
|----------------------|------------|----------------|----|-----|-----|
| B                    | 14.03.2022 | REVISED LAYOUT | BF | MR  | AJW |
| A                    | 11.01.2021 | INITIAL ISSUE  | MR | AJW | AJW |
| REV                  | DATE       | DESCRIPTION    | BY | CHK | APD |
| CLIENT:              |            |                |    |     |     |
| PLACES FOR PEOPLE    |            |                |    |     |     |
| DRAWING STATUS:      |            |                |    |     |     |
| FOR INFORMATION ONLY |            |                |    |     |     |

|                            |  |             |                     |      |  |
|----------------------------|--|-------------|---------------------|------|--|
| PROJECT:                   |  |             | SOUTH DOWNS COLLEGE |      |  |
| TITLE:                     |  |             |                     |      |  |
| PRELIMINARY HIGHWAY LAYOUT |  |             |                     |      |  |
| PROJECT No:                |  | DRAWING No: |                     | REV: |  |
| 1017                       |  | PHL-101     |                     | C    |  |
| SCALE @ A3:                |  |             |                     |      |  |
| AS SHOWN                   |  |             |                     |      |  |



Awcock Ward Partnership, Kensington Court, Woodwater Park, Pynes Hill, Exeter, EX2 5TY  
Tel: 01392 409007 Web: [www.awpexeter.com](http://www.awpexeter.com)



Phoenix 2 Duo (P2-15W with Elite 6x4 chassis)  
Overall Length 11.200m  
Overall Width 2.530m  
Overall Body Height 3.751m  
Min Body Ground Clearance 0.304m  
Track Width 2.500m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 9.500m

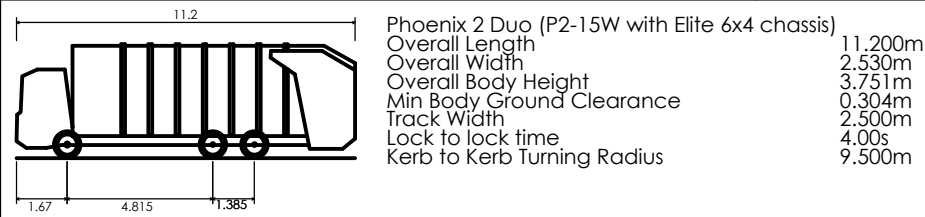
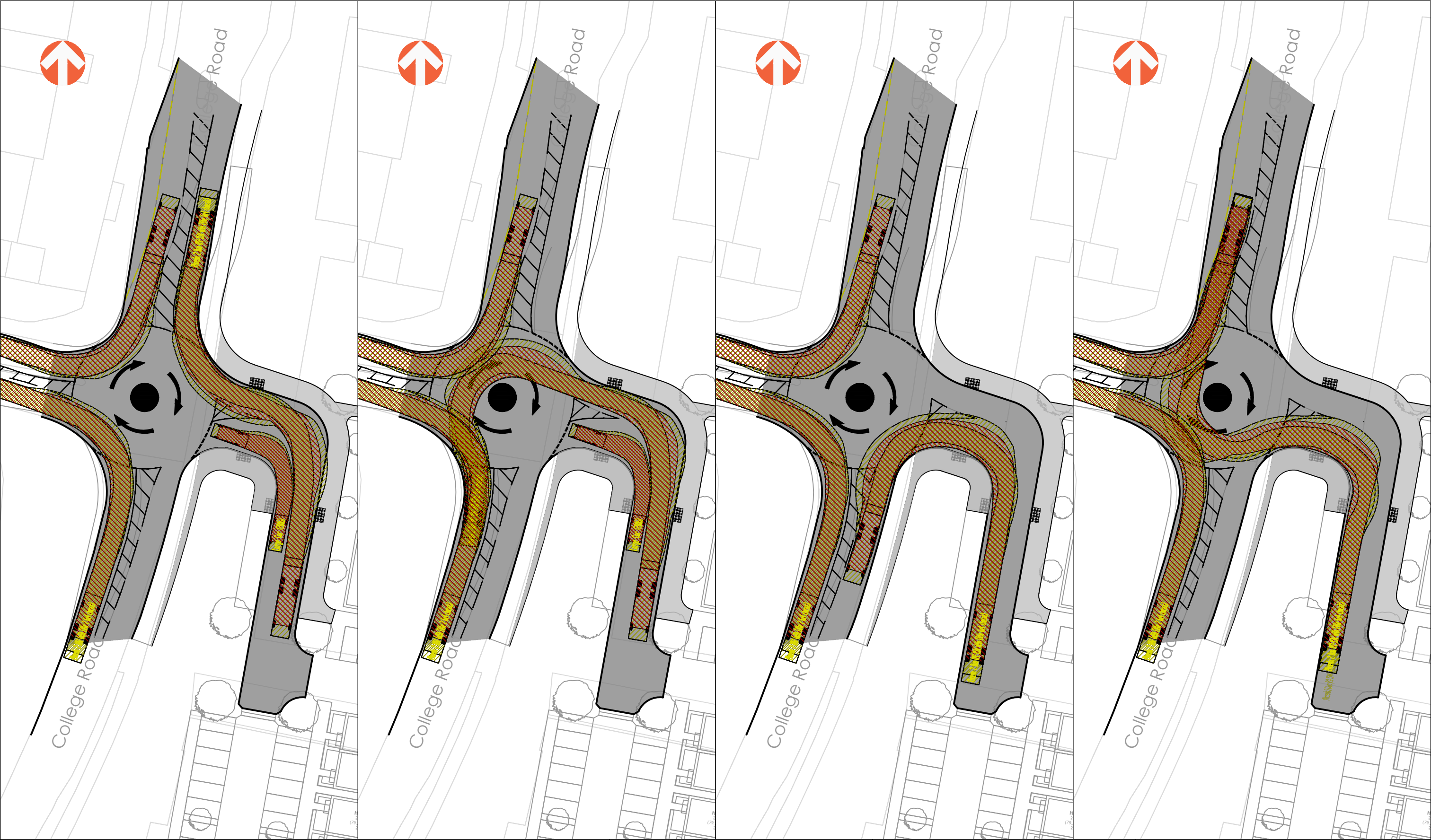
| B                    | 25.03.2022 | REVISED LAYOUT | BF | CG  | AJW |
|----------------------|------------|----------------|----|-----|-----|
| A                    | 10.09.2021 | INITIAL ISSUE  | MR | SD  | AJW |
| REV                  | DATE       | DESCRIPTION    | BY | CHK | APD |
| CLIENT:              |            |                |    |     |     |
| PLACES FOR PEOPLE    |            |                |    |     |     |
| DRAWING STATUS:      |            |                |    |     |     |
| FOR INFORMATION ONLY |            |                |    |     |     |

|             |                                                                                       |                                    |    |
|-------------|---------------------------------------------------------------------------------------|------------------------------------|----|
| PROJECT:    |                                                                                       | SOUTH DOWNS COLLEGE                |    |
| TITLE:      |                                                                                       | REFUSE VEHICLE SWEPT PATH ANALYSIS |    |
| PROJECT No: | DRAWING No:                                                                           | REV:                               |    |
| 1017        | 01-ATR-101                                                                            | B                                  |    |
| SCALE @ A3: | 0                                                                                     | 1:1000                             | 50 |
| metres      |  |                                    |    |



awcockward  
partnership

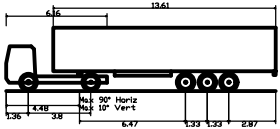
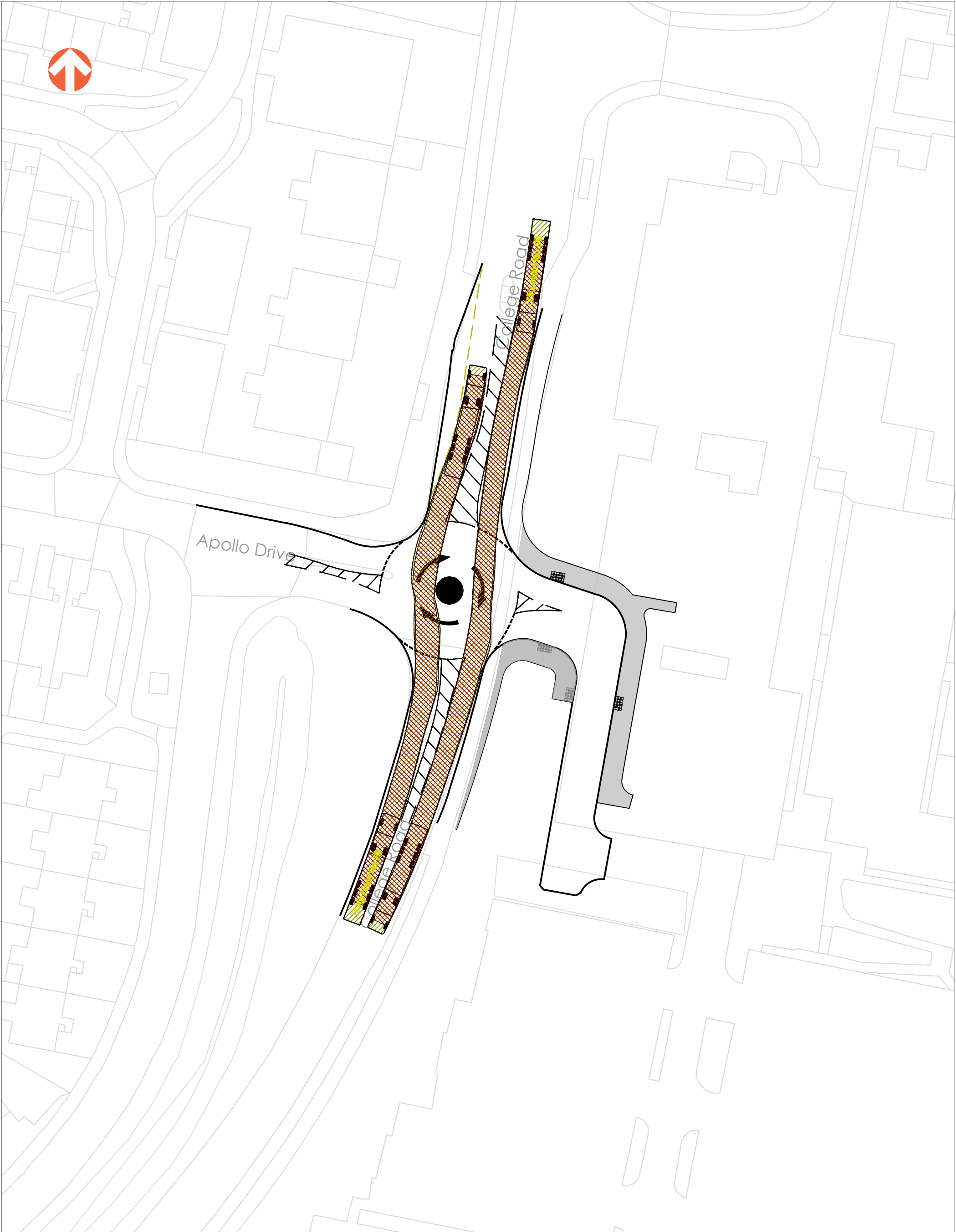
Awcock Ward Partnership, Ada House, Pynes Hill, Exeter, EX2 5TU  
Tel: 01392 409007 Web: [www.awpexeter.com](http://www.awpexeter.com)



|                                           |            |                |                        |     |        |  |  |  |
|-------------------------------------------|------------|----------------|------------------------|-----|--------|--|--|--|
| PROJECT: SOUTH DOWNS COLLEGE              |            |                |                        |     |        |  |  |  |
| TITLE: REFUSE VEHICLE SWEPT PATH ANALYSIS |            |                |                        |     |        |  |  |  |
| PROJECT No: 1017                          |            |                | DRAWING No: 01-ATR-102 |     | REV: B |  |  |  |
| SCALE @ A0 1:500                          |            |                | 25 metres              |     |        |  |  |  |
| DRAFTING STATUS: FOR INFORMATION ONLY     |            |                |                        |     |        |  |  |  |
| CLIENT: PLACES FOR PEOPLE                 |            |                |                        |     |        |  |  |  |
| B                                         | 25.03.2022 | REVISED LAYOUT | BF                     | CG  | AJW    |  |  |  |
| A                                         | 14.03.2022 | INITIAL ISSUE  | BF                     | CG  | AJW    |  |  |  |
| REV                                       | DATE       | DESCRIPTION    | BY                     | CHK | APD    |  |  |  |



Awcock Ward Partnership, Ada House, Pynes Hill, Exeter, EX2 5TU  
Tel: 01392 409007 Web: [www.awpexeter.com](http://www.awpexeter.com)



FTA Design Articulated Vehicle (1998)  
Overall Length 13.61m  
Overall Width 2.55m  
Overall Body Height 3.87m  
Min Body Ground Clearance 0.31m  
Max Track Width 2.47m  
Lock to lock time 3.00s  
Kerb to kerb Turning Radius 6.55m

|     |            |                |    |     |     |
|-----|------------|----------------|----|-----|-----|
| B   | 25.03.2022 | REVISED LAYOUT | BF | CG  | AJW |
| A   | 21.03.2022 | INITIAL ISSUE  | BF | CG  | AJW |
| REV | DATE       | DESCRIPTION    | BY | CHK | APD |

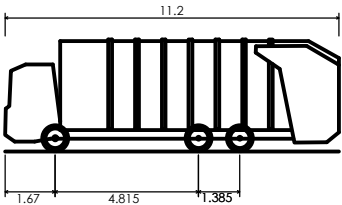
CLIENT: PLACES FOR PEOPLE

DRAWING STATUS: FOR INFORMATION ONLY

|                                                |                        |        |
|------------------------------------------------|------------------------|--------|
| PROJECT: SOUTH DOWNS COLLEGE                   |                        |        |
| TITLE: ARTICULATED VEHICLE SWEEP PATH ANALYSIS |                        |        |
| PROJECT No: 1017                               | DRAWING No: 01-ATR-103 | REV: B |
| SCALE @ A3: AS SHOWN                           |                        |        |



Awcock Ward Partnership, Ada House, Pynes Hill, Exeter, EX2 5TU  
Tel: 01392 409007 Web: [www.awpexeter.com](http://www.awpexeter.com)



Phoenix 2 Duo (P2-15W with Elite 6x4 chassis)  
Overall Length 11.200m  
Overall Width 2.530m  
Overall Body Height 3.751m  
Min Body Ground Clearance 0.304m  
Track Width 2.500m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 9.500m

|                                      |            |               |    |     |     |
|--------------------------------------|------------|---------------|----|-----|-----|
| A                                    | 25.03.2022 | INITIAL ISSUE | BF | CG  | AJW |
| REV                                  | DATE       | DESCRIPTION   | BY | CHK | APD |
| CLIENT: PLACES FOR PEOPLE            |            |               |    |     |     |
| DRAWING STATUS: FOR INFORMATION ONLY |            |               |    |     |     |

|                                           |                           |           |
|-------------------------------------------|---------------------------|-----------|
| PROJECT: SOUTH DOWNS COLLEGE              |                           |           |
| TITLE: REFUSE VEHICLE SWEEP PATH ANALYSIS |                           |           |
| PROJECT No:<br>1017                       | DRAWING No:<br>01-ATR-104 | REV:<br>A |
| SCALE @ A0 1:500 25 metres                |                           |           |



Awcock Ward Partnership, Ada House, Pynes Hill, Exeter, EX2 5TU  
Tel: 01392 409007 Web: [www.awpexeter.com](http://www.awpexeter.com)

---

## **Appendix B** ATC and Speed data



Client: AWP Exeter

Project Number: TSP14941

Project Name: South Downs College, Havant

Survey Type: ATC Site 01

Location: COLLEGE ROAD

Start Date: 28 February 2022

End Date: 06 March 2022

Survey Time: 24 hours x 7 days



## TSP Class Profile All Days 15 mins 2020

### Globals

|                            |                                         |
|----------------------------|-----------------------------------------|
| <b>Report Id</b>           | CustomList-57                           |
| <b>Descriptor</b>          | TSP Class Profile All Days 15 mins 2020 |
| <b>Created by</b>          | MetroCount Traffic Executive            |
| <b>Creation Time (UTC)</b> | 2022-03-11T14:13:00                     |
| <b>Legal</b>               | Copyright (c)1997 - 2018 MetroCount     |
| <b>Graphic</b>             |                                         |
| <b>Language</b>            | English                                 |
| <b>Country</b>             | United Kingdom                          |
| <b>Time</b>                | UTC + 0 min                             |
| <b>Create Version</b>      | 5.0.5.0                                 |
| <b>Metric</b>              | Part metric                             |
| <b>Speed Unit</b>          | mph                                     |
| <b>Length Unit</b>         | metre                                   |
| <b>Mass Unit</b>           | tonne                                   |

### Dataset

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>Site Name</b>      | TSP14941-01                                                                                         |
| <b>Site Attribute</b> | TSP14941                                                                                            |
| <b>File Name</b>      | G:\My Drive\TSP Project 2018\TSP14941-South Downs College, Havant\TSP14941-01 0 2022-03-04 0153.EC0 |
| <b>File Type</b>      | Plus                                                                                                |
| <b>Algorithm</b>      | Factory default axle                                                                                |
| <b>Description</b>    | COLLEGE ROAD [30M]                                                                                  |
| <b>Lane</b>           | 0                                                                                                   |
| <b>Direction</b>      | 7                                                                                                   |
| <b>Direction Text</b> | 7 - North bound A]B, South bound B]A.                                                               |
| <b>Layout Text</b>    | Axle sensors - Paired (Class/Speed/Count)                                                           |
| <b>Setup Time</b>     | 2022-02-27T06:47:40                                                                                 |
| <b>Start Time</b>     | 2022-02-27T06:47:40                                                                                 |
| <b>Finish Time</b>    | 2022-03-04T01:53:27                                                                                 |
| <b>Operator</b>       | JM                                                                                                  |
| <b>Configuration</b>  | 40 MC5600 80 00 14 6a 6a ? KA95HKWT MC56-L5 [MC55] (c)Microcom 19Oct04                              |

### Dataset

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>Site Name</b>      | TSP14941-01                                                                                         |
| <b>Site Attribute</b> | TSP14941                                                                                            |
| <b>File Name</b>      | G:\My Drive\TSP Project 2018\TSP14941-South Downs College, Havant\TSP14941-01 0 2022-03-10 0244.EC0 |
| <b>File Type</b>      | Plus                                                                                                |
| <b>Algorithm</b>      | Factory default axle                                                                                |
| <b>Description</b>    | COLLEGE ROAD [30M]                                                                                  |
| <b>Lane</b>           | 0                                                                                                   |
| <b>Direction</b>      | 7                                                                                                   |
| <b>Direction Text</b> | 7 - North bound A]B, South bound B]A.                                                               |
| <b>Layout Text</b>    | Axle sensors - Paired (Class/Speed/Count)                                                           |
| <b>Setup Time</b>     | 2022-03-04T01:54:54                                                                                 |
| <b>Start Time</b>     | 2022-03-04T01:54:54                                                                                 |
| <b>Finish Time</b>    | 2022-03-10T02:44:33                                                                                 |
| <b>Operator</b>       | JM                                                                                                  |
| <b>Configuration</b>  | 40 MC5600 80 00 14 6a 6a ? KA95HKWT MC56-L5 [MC55] (c)Microcom 19Oct04                              |

### Profile

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| <b>Name</b>              | TSP Class Profile All Days 15 mins 2020                           |
| <b>Title</b>             | MetroCount Traffic Executive                                      |
| <b>Graphic Logo</b>      |                                                                   |
| <b>Header</b>            |                                                                   |
| <b>Footer</b>            |                                                                   |
| <b>Percentile 1</b>      | 85                                                                |
| <b>Percentile 2</b>      | 95                                                                |
| <b>Pace</b>              | 10                                                                |
| <b>Filter Start</b>      | 2022-02-28T00:00:00                                               |
| <b>Filter End</b>        | 2022-03-07T00:00:00                                               |
| <b>Class Scheme</b>      | ARX                                                               |
|                          | F Cls(1-10) Dir(N) Sp(5,100) Headway[]0) Span(0 - 100) Lane(0-16) |
| <b>Low Speed</b>         | 5                                                                 |
| <b>High Speed</b>        | 100                                                               |
| <b>Posted Limit</b>      | 30                                                                |
| <b>Speed Limits</b>      | 20 40 30 30 30 30 30 30 30                                        |
| <b>Separation</b>        | 0.000                                                             |
| <b>Separation Type</b>   | Headway                                                           |
| <b>Direction</b>         | North                                                             |
| <b>Encoded Direction</b> | 1                                                                 |

## TSP Class Profile All Days 15 mins 2020

### Column

|                    |                                      |
|--------------------|--------------------------------------|
| <b>Time [--</b>    | 24-hour time (0000 - 2359)           |
| <b>Total</b>       | Number in time step                  |
| <b>Cls 1</b>       | Class totals                         |
| <b>Cls 2</b>       | Class totals                         |
| <b>Cls 3</b>       | Class totals                         |
| <b>Cls 4</b>       | Class totals                         |
| <b>Cls 5</b>       | Class totals                         |
| <b>Cls 6</b>       | Class totals                         |
| <b>Cls 7</b>       | Class totals                         |
| <b>Cls 8</b>       | Class totals                         |
| <b>Cls 9</b>       | Class totals                         |
| <b>Cls 10</b>      | Class totals                         |
| <b>Fix1</b>        | User defined fixed text              |
| <b>Time [--</b>    | 24-hour time (0000 - 2359)           |
| <b>Vbin 0 5</b>    | Speed bin totals                     |
| <b>Vbin 5 10</b>   | Speed bin totals                     |
| <b>Vbin 10 15</b>  | Speed bin totals                     |
| <b>Vbin 15 20</b>  | Speed bin totals                     |
| <b>Vbin 20 25</b>  | Speed bin totals                     |
| <b>Vbin 25 30</b>  | Speed bin totals                     |
| <b>Vbin 30 35</b>  | Speed bin totals                     |
| <b>Vbin 35 40</b>  | Speed bin totals                     |
| <b>Vbin 40 45</b>  | Speed bin totals                     |
| <b>Vbin 45 50</b>  | Speed bin totals                     |
| <b>Vbin 50 55</b>  | Speed bin totals                     |
| <b>Vbin 55 60</b>  | Speed bin totals                     |
| <b>Vbin 60 65</b>  | Speed bin totals                     |
| <b>Vbin 65 70</b>  | Speed bin totals                     |
| <b>Vbin 70 130</b> | Speed bin totals                     |
| <b>Mean</b>        | Average speed                        |
| <b>Vpp 85</b>      | Percentile speed                     |
| <b>JSL1 20</b>     | Number exceeding Speed Limit 1       |
| <b>JSL1% 20</b>    | Percent exceeding Speed Limit 1      |
| <b>JPSL 30</b>     | Number exceeding Posted Speed Limit  |
| <b>JPSL% 30</b>    | Percent exceeding Posted Speed Limit |
| <b>JSL2 40</b>     | Number exceeding Speed Limit 2       |
| <b>JSL2% 40</b>    | Percent exceeding Speed Limit 2      |
| <b>V50</b>         | 50th percentile speed (Median)       |
| <b>SD</b>          | Standard Deviation                   |
| <b>Var</b>         | Variance                             |
| <b>Fix1</b>        | User defined fixed text              |