
Project: **PROPOSED NEW DISCOUNT FOODSTORE: LAND AT BARNARD ROAD, NORWICH**
PLANNING APPLICATION REFERENCE: 23/0165/f

Title: - **RESPONSE TO CONSULTATION RESPONSES ON ACTIVE TRAVEL AND PARKING**

Date: - **13 June 2024**

1.0 INTRODUCTION

1.1 This Highways Technical Note has been prepared to respond to formal consultation comments raised by Norfolk County Council (NCC), in the role of local highway authority (LHA), with respect to the planning application (planning reference: 23/0165/F) for new discount food store development at land off Barnard Road, Norwich. The location of the application site is illustrated in **Figures HTN1a & HTN1b**.

1.2 The application scheme envisages the demolition of the existing leisure related building on the site and the delivery of a replacement new food store building, along with ancillary car parking, landscaping features and a new dedicated walk / cycle connection through the site, linking to an associated new pedestrian / cycle crossing of Dereham Road to the north. The proposed store is primarily designed to serve a local catchment, including the nearby residential areas of New Costessey, Chapel Break, Bowthorpe and Clover Hill.

1.3 The planning application for the new store scheme was validated by the local planning authority Norwich City Council in January 2024 and was supported by formal Transport Assessment (TA) and Framework Travel Plan (FTP) documents. NCC provided an initial written highways consultation response to the application on 15 March 2024. This response noted the following:

- The LHA did not object to the principle of the development and supports the delivery of the proposed new pedestrian / cycle crossing point of Dereham Road, which would deliver safety improvements at what is an existing 'unofficial' crossing location. The principles of the crossing layout had been

discussed with NCC offices and it was considered that appropriate final design details could be determined & agreed at the S278 detailed construction design stage.

- The applicant was requested to investigate the extent of opportunities to improve active travel connections to the south of the site via Barnard Road, in particular connections to Mayfly Way & Bowthorpe centre, along with the safe crossing of Barnard Road itself and other local side road connections to this route. Any investigation should be informed by highway boundary information, supplied by NCC, to understand the extent of highway land available to deliver improvements.
- The LHA identified that the level of general on-site car parking supply proposed to support the application scheme met the requirements set out in NCC's parking guidance for new developments. The applicant was, however, requested to review the proposed layout to seek to include for an increased level of Electric Vehicle (EV) parking. The applicant was also requested to confirm the extent and nature of physical cover to be provided in relation to the proposed cycle parking area.

- 1.4 The remainder of this HTN therefore sets out the applicant's response to the LHA's information requests and includes details of a proposed package of measures to deliver improved active travel connections to destinations to the south (via Barnard Road) and a revised car parking layout incorporating greater levels of EV parking. In addition, section 4 to this note provides commentary on recent objections to the food store application as raised by members of the Norwich Cycling Campaign.

2.0 PEDESTRIAN AND CYCLE CONNECTIVITY MATTERS

- 2.1 As noted above, the March 2024 NCC planning application consultation response highlighted that the highway authority raised no objections in principle to new discount food store land use at the application site and were supportive of the concept of a proposed new walk / cycle link to the north of the site, connecting to Dereham Road and Travel Hub initiatives in this location. Highway authority officers noted, however, that further investigations were required with respect to active travel connections to the south of the site, in particular along the Barnard Road corridor, in order to understand the potential to improve connections to / from Mayfly Way (an important local segregated walk / cycle corridor which links Bowthorpe to Dereham Road further to the west).

Existing Highway Boundary Constraints

- 2.2 At the time of the preparation of the original TA report to support the planning application, the applicant did not have access to highway boundary information for the Barnard Road corridor, however, this information has now been supplied by NCC (see **Appendix HTN1** to this note) and has been used to inform subsequent investigations. Review of this highway boundary information demonstrates that beyond the extent of core vehicular carriageway to Barnard Road (circa 7.5m), the width of adjacent footway / verge features varies along the route, with key points of note being as follows:

- To the west of the application site access connection, the northern (site) side of Barnard Road is served by a continuous footway, ultimately linking to Mayfly Way. In parts this footway is supported by an additional grass verge strip, however, there are significant lengths where maximum available practical footway width within the defined extent of highway boundary is only of the order of 2m. Whilst such available width is suitable for safe and comfortable pedestrian use, it is not appropriate to accommodate shared walk / cycle infrastructure. Furthermore, the side road connection points of Francis Way / Morgan Way are of wide bell-mouth junction design (to allow for large HGV service vehicles entry / exit movements - see **Appendix HTN2**) and are not capable of accommodating central pedestrian refuge islands without the need for road carriageway widening at the junctions , which would require land

outside of the existing highway boundary. Existing crossing points of these side road routes are not demarcated and no dropped crossing infrastructure is available. Ultimately, the existing layout and restricted highway boundary along the northern side of Barnard Road limits the potential for delivering segregated / off-carriageway cycle infrastructure.

- To the west of the site access connection, the southern side of Barnard Road does not provide a continuous footway connection to Mayfly Way, with 60+m of 'missing link' of grass verge that does not form part of the adopted highway network. The side road route of Jarrold Way is also of wide bell-mouth design, similar to Francis Way & Morgan Way and could not include for a pedestrian / cycle crossing island without additional widening and the use of adjacent third party controlled land.
- To the east of the site, there is currently only a short section of footway to the site side of Barnard Road, with pedestrians required to cross the main carriageway in order to access the south side footway (no dropped kerb or tactile paving at this footway termination). Whilst much of the grass verge to the site side of Barnard Road to the west of the existing footway termination point appears to be in highway ownership, it is characterised by a relatively narrow section of flat area, which then falls away towards the frontage hotel site as part of existing earthworks. It is considered likely that the delivery of an extended footway / cycleway in this section would not be straightforward, requiring potential earthwork regarding / retaining structures, and ultimately would only provide access to the splitter island at the Dereham Road roundabout - where active travel users would still be required to cross the multi-lane roundabout entry / exit as part of an ongoing journey (no walk / cycle provision is available around the main roundabout). It is considered that the crossing of Barnard Road away from the roundabout, would represent a more appropriate option for onward pedestrian journeys than crossing at the roundabout splitter island.

2.3 Given these existing constraints it is not considered practical to deliver segregated cycle lane facilities along Barnard Road to connect to / from the application site, particularly towards Mayfly Way. There is insufficient highway land to deliver such works without reducing the main operating vehicular carriageway, which is

currently of a width (7.5m) and therefore of required minimum width to fulfil its core employment development service road function. It is considered that significant sections of reduced carriageway width on this route would be inappropriate.

Alternative Cycle Connections to the Application Site

2.4 On balance, however, it is not considered that a lack of segregated cycle facilities on Barnard Road would represent a significant barrier to customer / staff cycle journeys to / from the application site from southern parts of the future local store catchment. The proposed new walk / cycle connection and associated Toucan crossing from the store to Dereham Road to the north would provide a direct connection into the recently improved Dereham Road cycle corridor (and associated Travel Hub), thereby offering high standard onward wider linkages to Bowthorpe and Clover Hill, via Mayfly Way and Butterfly Way respectively (see **Figure HTN2**). Whilst these connections are slightly less 'direct' when compared to a journey via Barnard Road, the additional distance is not considered significant, for cycle users. For example, it is noted that a cycle journey from the Mayfly Way connection point to Barnard Road to the front door of the proposed food store would only represent a circa 160m additional length journey via Dereham Road (740m travel distance), when compared to access via Barnard Way (580m travel distance - see **Figure HTN3**).

2.5 It is therefore clear that future available connections via Mayfly Way / Butterfly Way represent appropriate, alternative, fully segregated cycle connections to the site, that could be expected to represent practical and convenient routes for future food store users.

Suitability of Barnard Road for Cycle Use

2.6 Notwithstanding the above, it is considered that the nature of Barnard Road is such that it still represents a reasonable cycle route to / from the site, particularly for a confident cyclist. As noted in the TA submission, Barnard Road is a cul-de-sac route serving a wide variety of commercial properties and whilst it is acknowledged that the route is regularly utilised by large HGV movements and can become busier

during key ‘rush hour’ periods, the route is typically quite lightly trafficked across much of each day.

- 2.7 Traffic demand on Barnard Road to the immediate east of the application site (i.e. for the immediate approach section to the Dereham Road roundabout, therefore including virtually all trips to / from the Bowthorpe Industrial Estate and including for traffic to / from the existing leisure land use at the application site), was collected as part of the June 2023 traffic survey exercise. This survey work demonstrated that weekday off-peak traffic demand on Barnard Road was of the order of 300-330 vehicles per hour (vph) two-way, (or, on average, just 5-6 vehicles per minute) and on Saturdays less than 200vph (or less than 3 vehicles per minute).
- 2.8 Even traffic demand recorded during the busiest survey hour (weekday PM peak hour) only demonstrated two-way demand at 413 vehicles per hour (two-way) or less than 7 vehicles per minute. Such surveyed traffic levels, which could be expected to be slightly higher than on the majority of the section of route between the application site and Mayfly Way to the west, would not suggest the potential for high levels of cycle / vehicle conflict or the likelihood of material difficulties for pedestrians to find opportunities to cross the route.

Table HTN2.1 - Recorded Traffic On Barnard Way to the West of the Application Site Access Junction

Weekday (Friday 12 May 2023)				Saturday (13th May 2023)			
Hr Begin	Westbound	Eastbound	Total	Hr Begin	Westbound	Eastbound	Total
08:00	333	152	485	10:00	104	79	183
09:00	182	110	292	11:00	86	107	193
10:00	144	134	278	12:00	76	113	189
11:00	141	169	310	13:00	57	67	124
12:00	139	194	333	14:00	70	76	146
13:00	134	172	306	15:00	46	57	103
14:00	127	185	312				
15:00	110	215	325				
16:00	112	301	413				
17:00	68	243	311				
18:00	97	85	182				

- 2.9 These 2023 observations have recently been validated by additional traffic survey work undertaken in early June 2024 (24 / 7 Automatic Traffic Counter (ATC) surveys undertaken over the week period 02/06/24 to 08/06/24, therefore including for counting of both weekday and weekend operation of the route). Observed daily profile information recorded during the 2024 survey exercise at ATC site 1 (located to the east of the site access connection to Barnard Road, i.e. as per the 2023 data

summarised in Table HTN2.2 above), identified similar traffic patterns to those recorded during the 2023 survey, viz (see also **Appendix HTN3** to this note):

- *Average weekday traffic:* maximum demand of below 450 vehicles per hour (two-way), with an obvious peaked demand profile centred on traditional AM & PM ‘rush hour’ periods. These peak periods showed a pronounced tidal demand pattern (i.e. AM - arrivals to the industrial estate from the east, PM - departures to the east). Weekday day-time traffic demand at other times is generally at volumes of less than 300-350 vehicles per hour. Early morning and evening traffic levels are low, typically less than 100 vehicles per hour (two-way).
- *Saturday:* traffic demand on a Saturday is much lower than weekday traffic, with no obvious ‘peak’ demand period. Observed traffic levels were less than 175 vehicles per hour across core day-time hours (i.e. less than 3 vehicles per minute), with negligible demand levels during early mornings / later evening periods.
- *Sunday:* very low levels of demand recorded across the day, with all survey hours showing two-way volumes of less than 100 vehicles (two-way), i.e. less than 2 vehicles per minute.

Proposed Pedestrian Infrastructure Opportunities

- 2.10 Notwithstanding the above comments regarding the suitability of Barnard Road for regular walk / cycle access, it is acknowledged that there would be merit in delivering targeted improvements to infrastructure on Barnard Road and connecting links, in order to address existing deficiencies and, in particular, to maximise accessibility to the proposed food store site on foot. As noted there are currently limited pedestrian crossing facilities available within the immediate vicinity of the site, including at the site entrance connection to Barnard Road and at other surrounding linking side road junctions. The applicant has therefore worked up a proposed package of supporting pedestrian improvement works to promote improved active travel access, as set out below, (see also **Figure HTN4** for a plan of the location of such works and detailed layout drawings in **Appendix HTN4**).

- New Zebra crossing of Barnard Road (including minor narrowing (carriageway reduced to 6.5m) and raised speed table feature) to provide safe pedestrian crossing opportunities to Barnard Road in the immediate vicinity of the application site access. It is considered that the chosen location of this zebra crossing point is appropriate, with vehicle speed readings collected in the vicinity of the proposed crossing as part of the June 2024 ATC survey exercise, demonstrating that off-peak 85th percentile vehicle speeds in key approach directions are below critical 35mph thresholds (see **Appendix HTN5** to this report and summarised in **Table HTN2.2** below).

Table HTN2.2 - Recorded Average & 85th Percentile Approach Speeds on Barnard Way in the Vicinity of the Proposed Zebra Crossing Facility

RECORDED CRITICAL DIRECTION WEEKDAY OFF-PEAK SPEEDS - JUNE 2024 SURVEY										
ATC SITE ONE (EAST OF PROPOSED CROSSING)						ATC SITE TWO (WEST OF PROPOSED CROSSING)				
Average Speeds (mph) - WESTBOUND						Average Speeds (mph) - EASTBOUND				
	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun		Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun
10-11	25	26	26	26	27	10-11	22	25	25	24
11-12	26	26	27	26	27	11-12	25	25	24	24
14-15	27	24	27	28	26	14-15	26	24	26	26
15-16	27	27	27	27	28	15-16	26	24	26	26
12hr (07-19)	27	27	27	26	27	12hr (07-19)	25	25	26	25
24hr	27	27	28	27	28	24hr	25	25	26	25
85th Percentile Speeds (mph) - WESTBOUND						85th Percentile Speeds (mph) - EASTBOUND				
	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun		Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun
10-11	29	31	31	32	33	10-11	24	29	30	30
11-12	30	31	33	31	31	11-12	30	29	30	29
14-15	33	31	33	33	32	14-15	32	30	32	33
15-16	33	32	33	30	34	15-16	32	30	32	32
12hr (07-19)	32	33	33	32	33	12hr (07-19)	32	30	32	31
24hr	33	33	33	33	33	24hr	32	31	32	31

- Revision / extensions to existing double yellow line parking restrictions to local sections of Barnard Road to respond to the proposed new zebra crossing and to ensure safe large delivery vehicle access to / from the application site.
- New dropped crossings, including tactile paving, across the site access road connection to Barnard Road, plus an additional tactile crossing point of Barnard Way to the east of the application site access road junction, connecting to the current termination of the northern footway.
- New dropped crossing points and tactile paving across formal side roads connections to the northern side of Barnard Road (i.e. Francis Way & Morgan

Way), therefore improving pedestrian connections from the application site towards Mayfly Way.

- New dropped crossing point and tactile paving across the Jarrold Way side road to the southern side of Barnard Way, therefore improving pedestrian connections between the application site and the existing public footpath that links towards Chapel Break Road.
 - Improved crossing point of Chapel Break Road (new tactile paving) and relocation of existing street lighting column to reduce conflict with pedestrian movements at this crossing. Again, to enhance links on foot between the site and Chapel Break Road / Bowthorpe and the local bus stops on nearby Astley Road (21, 21A & 26 bus services).
- 2.11 All of the proposed works can be accommodated within NCC confirmed extents of the adopted highway boundary or land within the control of the applicant.
- 2.12 To assist the review of these proposed works, **Appendix HTN4** also includes for additional drawings which demonstrate the following:
- *Vehicle swept path analysis of worst case vehicle position for large service vehicles approaching the proposed zebra crossing facility, assuming for turn out from nearby side road connection points.* It is noted that, in practice, the right turn exit of large service vehicle movements from the application site access are unlikely to occur regularly, due to the cul-de-sac nature of Barnard Road. Furthermore, alternative vehicle access to Barnard Road from Jarrold Way, avoiding the zebra crossing, is available further to the east.
 - *Minimum sightlines for pedestrians using the proposed new side road dropped crossing crossing points, in relation to approaching traffic streams.* These sightlines have been measured from a pedestrian position 1m back from the carriageway edge (at the centre of the illustrated tactile crossing points) to the centre of key approach lanes (both on Barnard Road and the relevant side road). The illustration of these available sightlines has been deliberately constrained to lie within the known adopted highway extents, however, in practice this is a highly robust review of visibility, as in nearly all cases, ‘on-

the-ground' sightlines are not physically restricted to the extent of the adopted highway. It should also be recognised that the measuring of pedestrian sightlines from a position of 1m from the kerb edge will result in quite a restrictive visibility envelope, particularly around left turn entry bends from the main road.

- 2.13 Overall, it is considered that the proposed package of off-site active travel measures to support the site (including works at both Barnard Road and the proposed new segregated walk / cycle route from the application site to Dereham Road), would deliver an improved level of site-accessibility suitable to serve a local discount food store scheme. Furthermore it should also be recognised that the combination of the proposed walk / cycle connection to Dereham Road, the new walk / cycle link through the site and the improvements to Barnard Road infrastructure, these works will effectively provide a new high quality walking route available to the wider community, linking between New Costessey and the main industrial / commercial zone and the Bowthorpe / Chapel Break employment and residential areas. Such a route would avoid the need for pedestrians & cyclists to use the current indirect routes via Mayfly Way or the Travel Hub / Butterfly Way crossing at Dereham Roundabout (see **Figure HTN5**). The resultant new route option will help reduce active travel journey times and offer additional sustainable connections as an alternative to the use of the private car for regular local journeys.

3.0 PROPOSED AMENDMENTS TO THE APPLICATION SITE CAR PARK LAYOUT

3.1 As noted in section 1 to this note, the March 2024 NCC consultation response identified that the highway authority considered that the general level of parking (both car & cycle parking) proposed to support the new food store scheme was suitable to meet NCC guideline requirements for parking to serve new development. Officers did, however, request that the applicant revisit the car parking layout with a view to providing additional EV parking.

3.2 The applicant has therefore revised the proposed car park layout in the light of this request, alongside other amendments to the location of the store building and associated changes to the northern boundary of the site to better accommodate the proposed walk / cycle ramp connection to Derwen Lane and minimise impact on existing trees / vegetation to the northern boundary of the site. This revised layout is included as C&W drawing ref 19408-301-P-03 to **Appendix HTN6**. Review of this amended layout illustrates the delivery of the following proposed level of parking to support the food store scheme:

- 102 car parking spaces (including 6 disabled spaces, 9 parent & child spaces, 10 EV standard spaces)
- 42 covered cycle spaces.
- 6 motor-cycle spaces.

3.3 The revised development parking scheme results in 15 fewer spaces in total, when compared to the original planning application proposals, but increases the number of proposed EV spaces, by 8 spaces (from 2 to 10, including 1 combined EV / disabled space), such that EV provision now represents 9.8% of total parking supply, broadly in line with NCC guidance. The remainder of the rear row of spaces will be constructed to include appropriate ducting to allow for future conversion to full EV spaces should this be identified as necessary in future, in response to increased EV demand levels.

3.4 It is noted that the revised level of total parking proposed across the site (102 spaces when compared to original planning submission layout of 117 spaces), is still well within the minimum parking requirements for food retail development as identified by Norfolk City Council within the parking standards set out in Appendix

3 to the prevailing Local Plan (1 parking space per 20sqm retail building GFA, i.e. 95 spaces for proposed store of 1949sqm).

- 3.5 As part of the revised development scheme, cycle parking provision has been increased to deliver 42 cycle parking spaces, with motor-cycle parking unaltered (6 spaces).
- 3.6 The applicant can confirm that the proposed cycle parking area is to be located below the over-sail of the main building roof and therefore would effectively represent fully covered provision. The location of these cycle spaces adjacent to the site building is such that they would be subject to easy direct surveillance by shop staff and customers.

4.0 RESPONSE TO MATTERS OF OBJECTION RAISED BY NORWICH CYCLING CAMPAING

- 4.1 As part of planning application consultation, representations regarding elements of the scheme have been submitted by the Norwich Cycling Campaign group, who ultimately raised an in-principle objection to the proposals. It is considered that many of the points raised by the Cycling Campaign have effectively been addressed by the proposed package of additional active travel measures and amendments to the core development scheme layout described in the report sections above, however, the applicant would take the opportunity to respond to a number of points of transport related detail as raised by the objector organisation, as set out below:

The proposal is first and foremost designed to attract customers travelling by car. It is not easily accessible by foot, cycle or public transport and will add to traffic problems on Dereham Road.

- 4.2 The applicant would note that the application site is well located with respect to the immediate local residential catchment of New Costessey and would be directly linked to this area by the proposed new segregated walk / cycle route, including the crossing of Dereham Road. The proposed new Toucan crossing of Dereham Road would also connect directly to the Dereham Road Travel Hub (included upgraded bus stops) and recently enhanced walk / cycle corridors. The submitted TA illustrates local walk / cycle catchments to the application site and clearly demonstrates that all of the residential area of New Costessey and significant parts of Chapel Break, Bowthorpe and Clover Hill lie within a practical 1km walk catchment (reproduced in **Appendix HTN7** for reference). It is simply not credible to suggest that the site would not be easily and conveniently accessible by non car travel modes.
- 4.3 A detailed local highway network operational capacity assessment was undertaken as part of the formal TA analysis, via a scope and methodology developed and agreed with NCC and which considered a number of key local junctions to the site, including the adjacent Dereham Road roundabout. This assessment concluded that the proposals would not give rise to severe operational or safety effects on the local road network and that the proposals were accessible by a range of alternative travel measures to the private car.

- 4.4 NCC, in the role of LHA, have raised no technical issues regarding the submitted capacity analysis and no highways and transport objections to the principle of new food retail land use at the site. Indeed, NCC officers are supportive of the proposed improved walk / cycle connections to the site at Dereham Road and recognise that these works have the potential to provide wider community accessibility benefits.

Comments on Access By Cycle.

- 4.5 As noted in section 2 to this note, Barnard Road is considered to represent a reasonable cycle corridor for use by more experienced cyclists and a route that does not represent a barrier to cycle access. Traffic survey evidence collected during 2023 & 2024 identifies that the route only experiences vehicle demand of 5-6 vehicles per minute (in + out) during typical core weekday periods and much lower traffic volumes at weekends. It is acknowledged that some localised short term traffic surges can be experienced during traditional rush hour peak travel times / local shift change periods, but typically even during the maximum recorded peak hour, traffic demand on the section of Barnard Road adjacent to the application site access was noted to be only circa 400-450 vehicles per hour (two-way) or, on average, circa 7 vehicles per minute.

- 4.6 Ultimately the delivery of the dedicated Toucan crossing access to the site from Dereham Road would ensure alternative segregated cycle routes to the site - using the onward connections via the segregated routes of Mayfly Way / Butterfly Way. It is not considered that such alternative route options would represent a 'significant detour'. As illustrated in **Figure HTN2** to this report, routing via Mayfly Way & Dereham Road, rather than using Barnard Road would only result in an additional journey length of circa 160m, or less than one additional minute in journey time - calculated based on a typical cycling speed of 12mph & not including for any significant wait at segregated safe crossing points of Dereham Road.

Comments on Pedestrian Access

- 4.7 As set out in **Appendix HTN4** to this note, since the drafting of the original Cycling Campaign submission, the applicant has developed a package of additional supporting active travel infrastructure to be delivered to the south of the

application site, including a new zebra crossing point of Barnard Road (to link to the walking routes to Chapel Break Road) and improved crossing infrastructure at other side road connection points, linking to Mayfly Way. These works will improve active travel connections to the site from the local residential areas of Chapel Break, Clover Hill and Bowthorpe and local bus stops at Astley Road.

- 4.8 As noted above, Barnard Road is not a typically high traffic demand route, therefore the nature of the above identified additional crossing infrastructure is considered appropriate for the level of traffic passing through these crossing points. It is also not considered that the operation of these crossings would generate significant delays for either pedestrian or local vehicle movements.
- 4.9 It should also be recognised that the combination of, i) the proposed new crossing point to Dereham Road, ii) the segregated walk / cycle link through the site and, iii) the package of additional pedestrian measures now proposed to the south along Barnard Road, would effectively deliver a new, more direct, high standard walking route linking New Costessey to the employment and residential areas of Bowthorpe. It is considered that this new connection will deliver wider community benefits, by encouraging the potential for additional active travel journeys and providing a safe crossing point of Dereham Road, at a location where the highway authority have identified that there is already evidence of unofficial crossing activity taking place.

Comments on Proposed Toucan Crossing

- 4.10 The Norwich Cycling Campaign submission raises a direct objection to the proposed Toucan crossing of Dereham Road proposed to be provided as part of the application scheme, suggesting that a) it's delivery could interfere with the new segregated cycle lane to Dereham Road, b) would provide limited wider connecting opportunities and, c) could not be accommodated into the proposed future bus gate traffic signal staging.
- 4.11 The applicant rejects these points and in particular would highlight the following:
1. The comments fail to take into account the wider pedestrian accessibility benefits delivered by the proposed Toucan crossing. In particular it is noted that this northern crossing link would provide easy and convenient access to /

from the application site for public transport based trips, by providing a direct link to the recently upgraded bus stops at the Dereham Road Travel Hub. Furthermore, as noted above, by providing pedestrian connections through the site between Dereham Road and Barnard Road (via a private route, but available for continuous public access), the application scheme and Toucan crossing would deliver much improved local community connections between the Bowthorpe Industrial area and existing residential areas to the north.

2. The cycle campaign submission suggests that the proposed Toucan crossing connection could ‘interfere’ with cycle movements on the new segregated ‘commuter’ cycle lane on Dereham Road. This is a very disappointing response, as it fails to recognise that the Dereham Road cycle corridor caters for a range of cycle journeys (commuter, leisure, day-to-day travel, etc) and that realistically many of these users could be expected to welcome the opportunity to utilise a segregated connection to the proposed food store as part of linked-trip / new movements. Indeed, it is considered that the provision of additional good quality connections to day-to-day active travel infrastructure such as at Dereham Road, is likely to encourage increased the use of the cycle link, therefore reinforcing its importance to the community. The identified ‘shared use’ element of the crossing is simply to allow for safe crossing of the cycle link by pedestrians and is a common approach to dealing with connecting access to / from segregated footway / cycleway schemes. Ultimately, the preliminary principles of the proposed site Toucan crossing connection were discussed with NCC as part of pre-application consultation and the construction design of any final crossing works would be developed in parallel with NCC (in the role of LHA) as part of a S278 design exercise and therefore involve appropriate independent road safety audit review. There is no reason to anticipate that the provision of a Toucan crossing connection between the proposed store and the Dereham Road cycle corridor would result in the “damage of a significant section of high value cycle infrastructure”.
3. Finally the cycling campaign submission raises queries with the principle of incorporating Toucan staging into the bus gate traffic signals being implemented on Dereham Road as part of the wider Travel Hub project. The applicant would note that preliminary capacity testing of the integration of the Toucan crossing into the bus gate signals was included as part of the formal TA

submission. In order to provide a ‘worst case’ indication as to likely effects of this crossing on through traffic demand on Dereham Road, LINSIG analysis was carried out for a 90 second fixed cycle time, including for regular bus and cycle ‘call’ stages. In practice it is considered unlikely that the signals would operate on such a fixed 90 second cycle time, but instead would operate on a real-time flexible basis, with bus & cycle stages called on a ‘demand response’ basis, subject to appropriate signal monitoring / control to maintain the preferred balance between vehicle demand / queuing and minimising delay for active travel & bus users. Ultimately final signal settings & performance criteria would be agreed as part of the final S278 scheme design, however, there is no evidence at this stage, to suggest that it would not be possible to safely incorporate the Toucan design. No objections in principle have been raised by NCC to the submitted crossing scheme details.

Suggested Local Cycle Improvements & Cycle Parking Provision

- 4.12 Finally, the cycling campaign submission concludes by suggesting that the proposed food store development should be supported either by on-road protected cycle lanes to the Barnard Road corridor, if the road is wide enough, or ideally via an off-carriageway, bi-directional cycle track.
- 4.13 The applicant would note that protected on-carriageway cycle lanes on Barnard Road would not be practical or possible to deliver, as they would reduce residual vehicular carriageway space to below a standard capable of accommodating the two-way passage of large service vehicles (the route is currently of 7.5m carriageway width - reduction of the effective width to less than 5.5m wide to accommodate local on-carriageway cycle lanes in each direction would not represent a safe or practical option). Furthermore, as demonstrated in section 2 to this report, there is insufficient highway land available over the majority of the Barnard Road corridor to deliver suitable standard segregated off-carriageway cycle infrastructure. Ultimately it is not considered practical to deliver dedicated cycle provision along the Barnard Road corridor and as demonstrated, such provision is not necessary to support the food store proposals, as alternative high standard segregated routes would be available.

- 4.14 The cycling campaign submission also suggests that additional cycle parking should be provided at the site, over and above the 20 customer cycle spaces originally proposed, alongside separate secure cycle parking for staff. The applicant would note that the experience of the proposed food store operator suggests that 20 cycle spaces to support a store of the size proposed would be sufficient to cater for anticipated levels of customer cycle demand and is line with NCC guideline standards for retail development. Notwithstanding this, the updated scheme plans included as **Appendix HTN6** to this report, illustrate an increased cycle parking area, catering for up to 42 cycles. Should additional cycle parking be required at the site, in response to customer / staff cycle demand levels (cycle parking demand to be regularly surveyed as part of post site completion Travel Plan survey monitoring work), then additional provision could be provided as necessary.





Figure HTN1a Site Location: Strategic Context

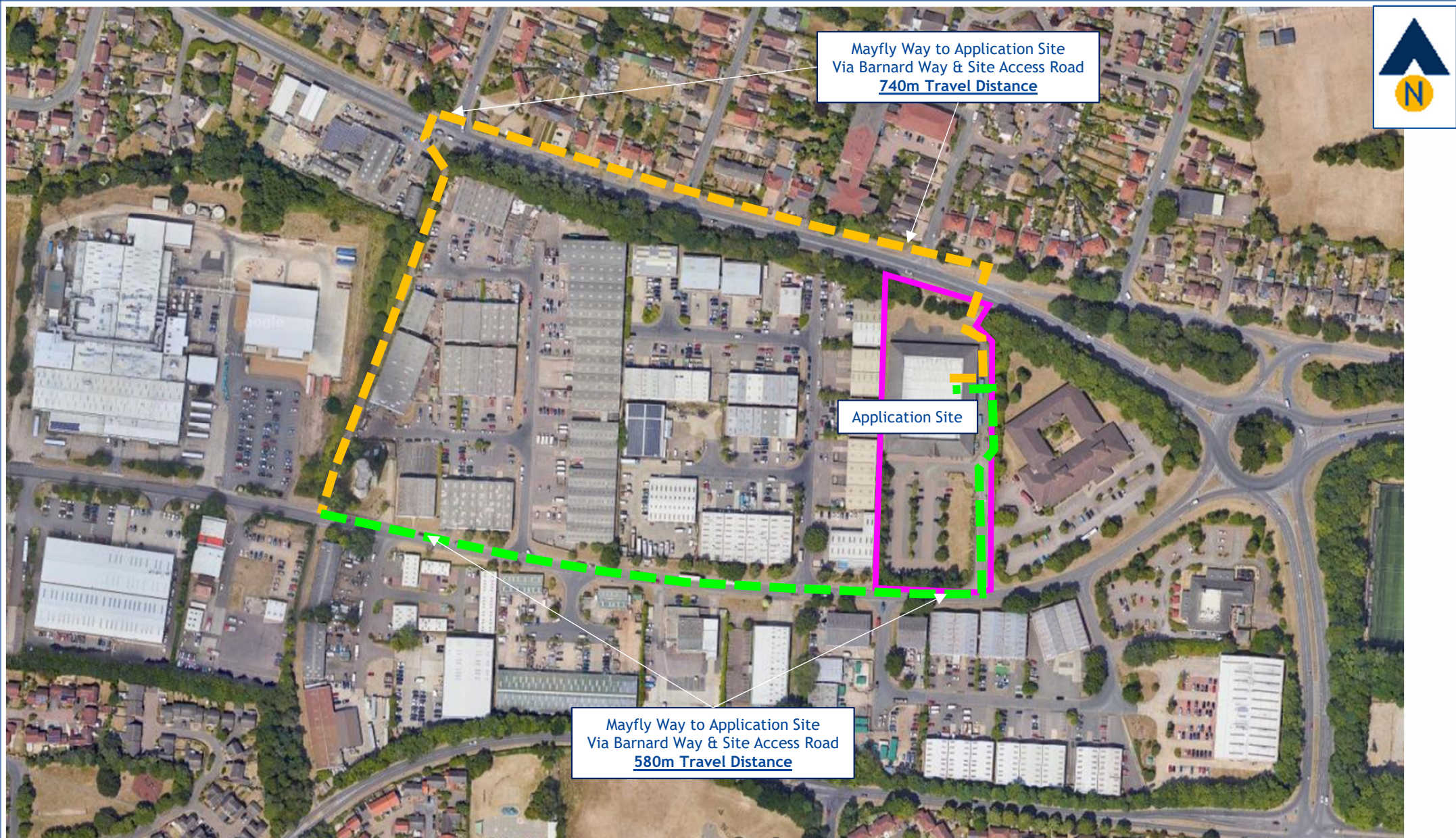
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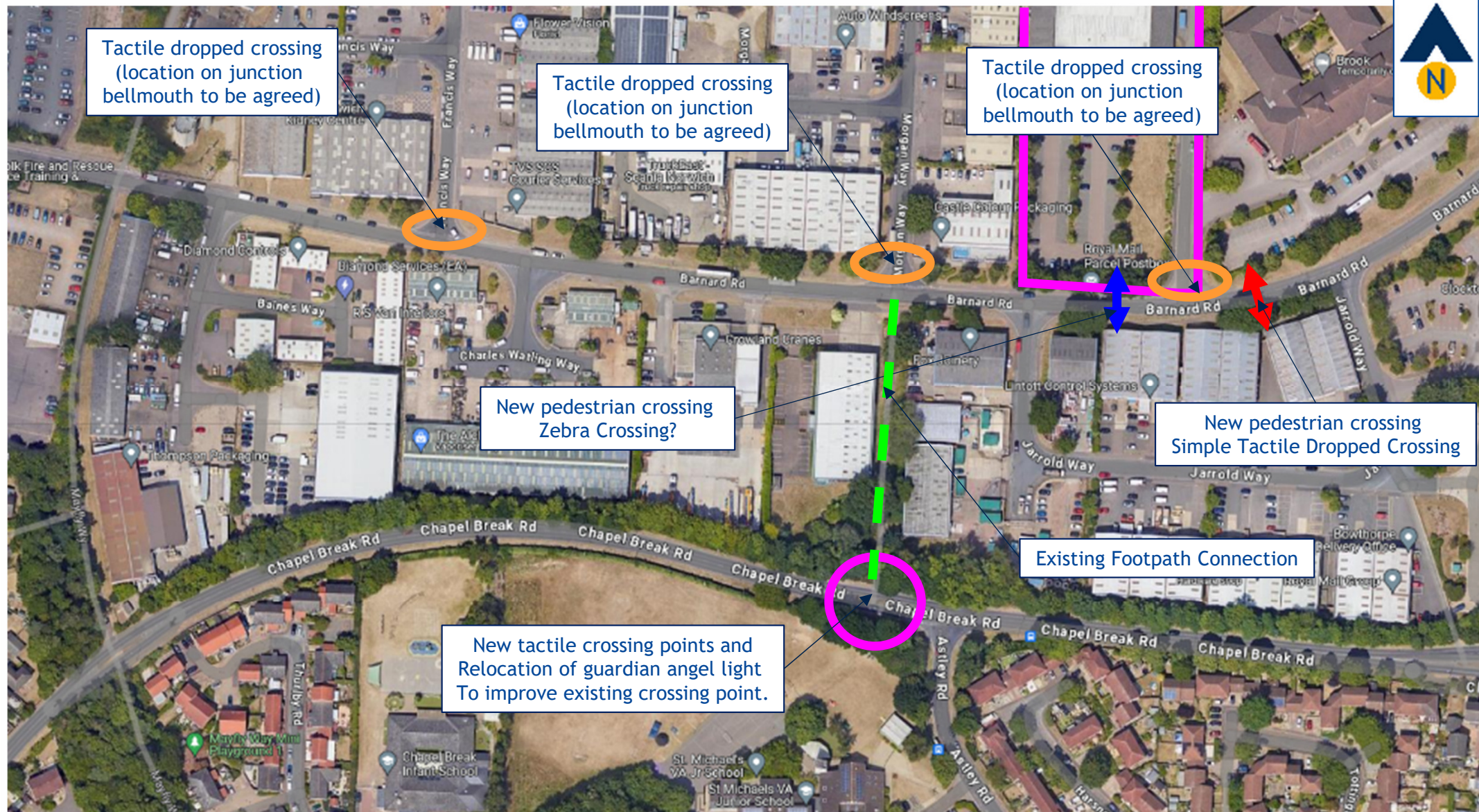
Land off Barnard Road, Norwich

June 2024





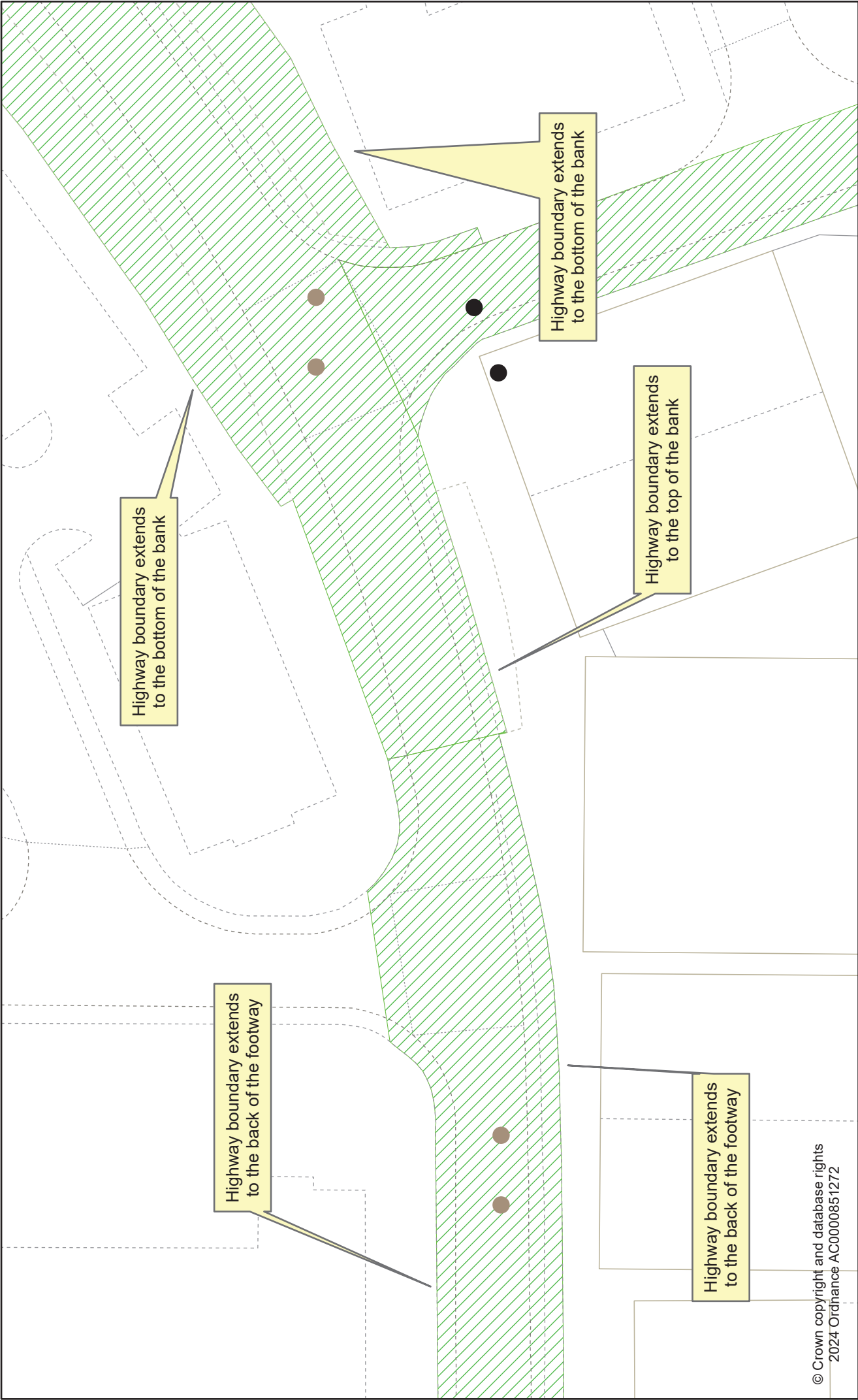












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2024 Ordnance AC00000851272



Grid Ref: 617742.875388E 309849.826402N

Public highway
hatched green

Public Rights of Way
crosshatched green

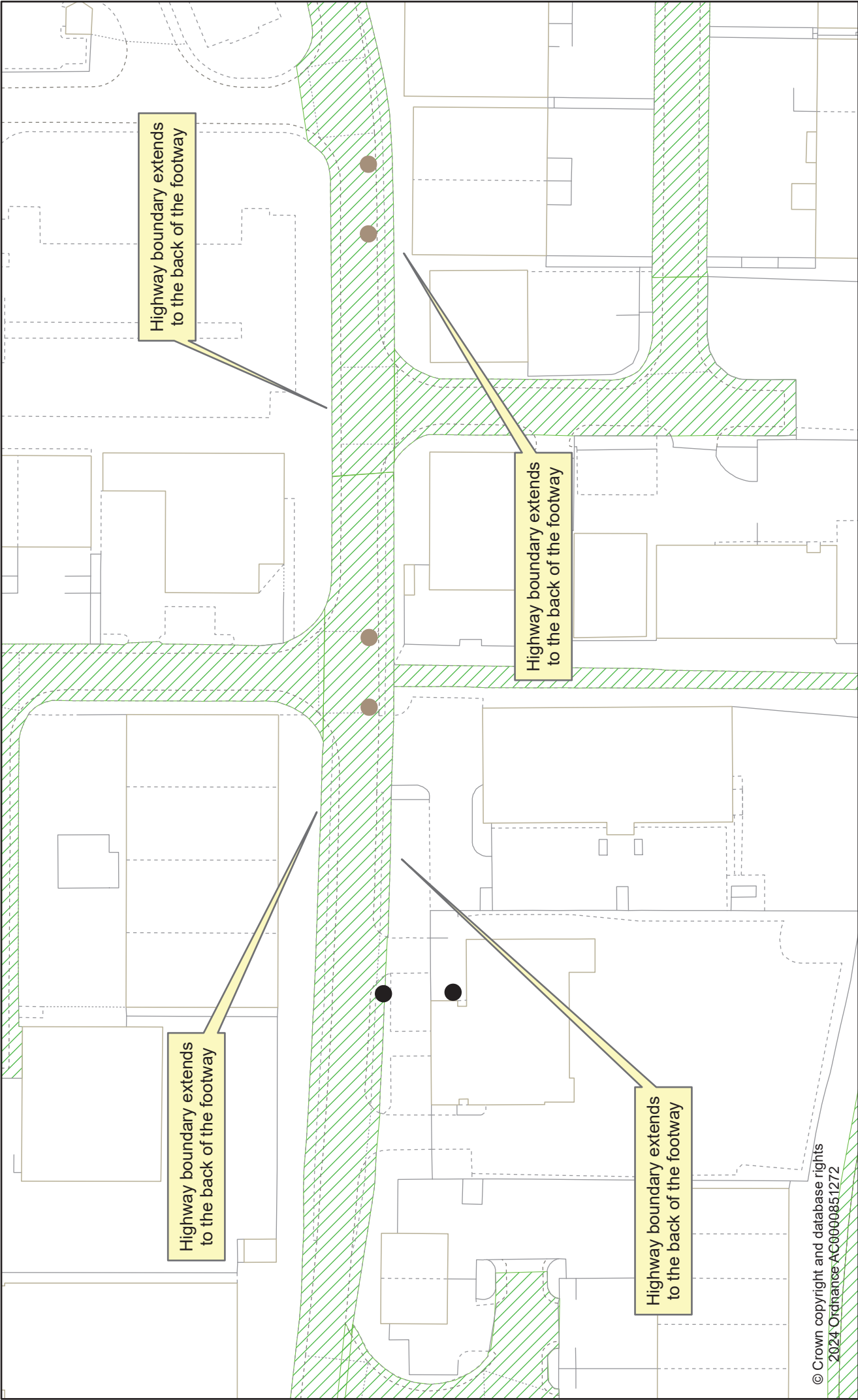
Highway service land
hatched orange

**Barnard Road,
Norwich**

Date created:
04/04/2024

Scale:
1:500

Plan not valid without attached notes



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2024 Ordnance AC0000851272

Norfolk County Council

Grid Ref: 617595.045838E 309829.017853N

**Barnard Road,
Norwich**

Date created:
04/04/2024

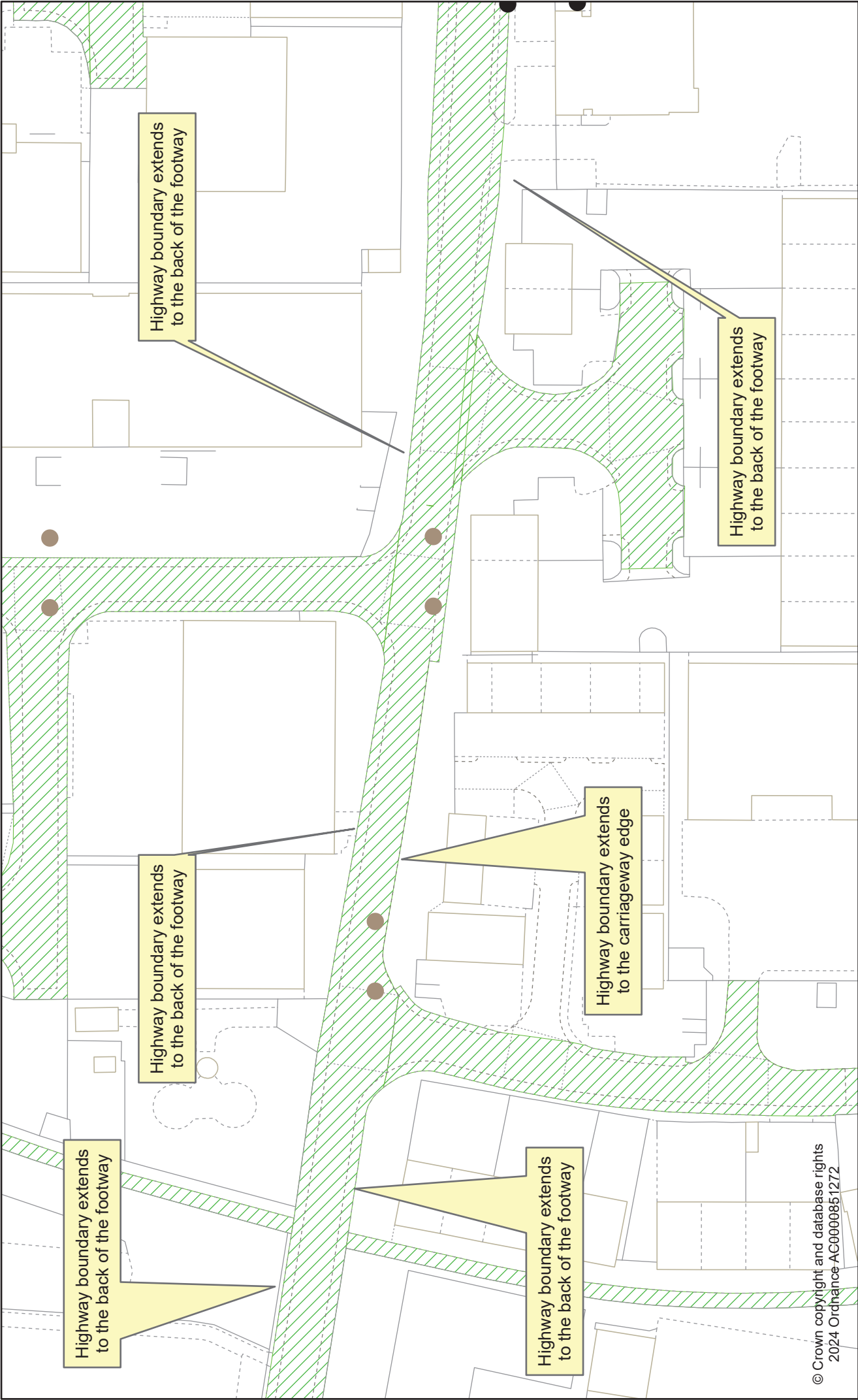
Public highway
hatched green

Public Rights of Way
crosshatched green

Highway service land
hatched orange

Scale:
1:1,000

Plan not valid without attached notes



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2024 Ordnance AC0000851272

Norfolk County Council

Grid Ref: 617394.598003E 309854.211195N

**Barnard Road,
Norwich**

Date created:
04/04/2024

Scale:
1:1,000

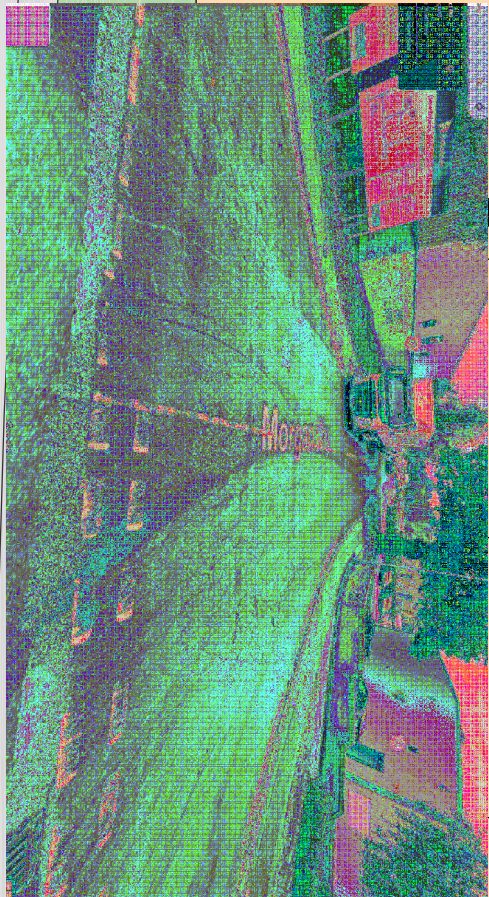
Public highway
hatched green

Public Rights of Way
crosshatched green

Highway service land
hatched orange

Plan not valid without attached notes





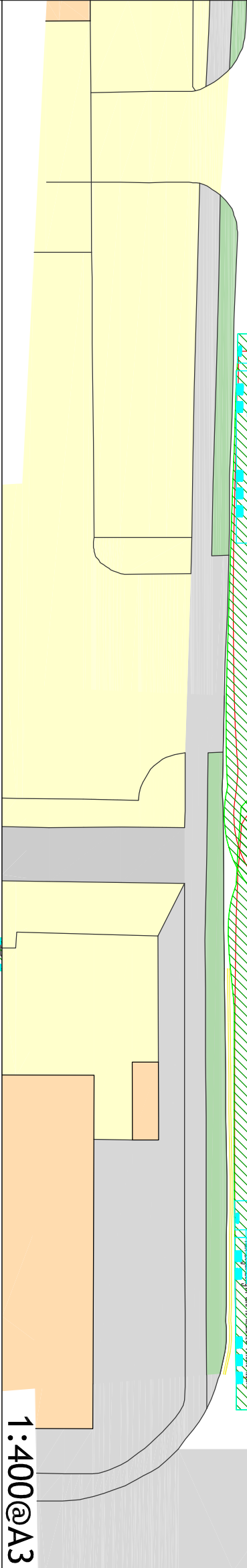
1

MORGAN WAY



29.7m

Max length 10.4m (34ft 6in)

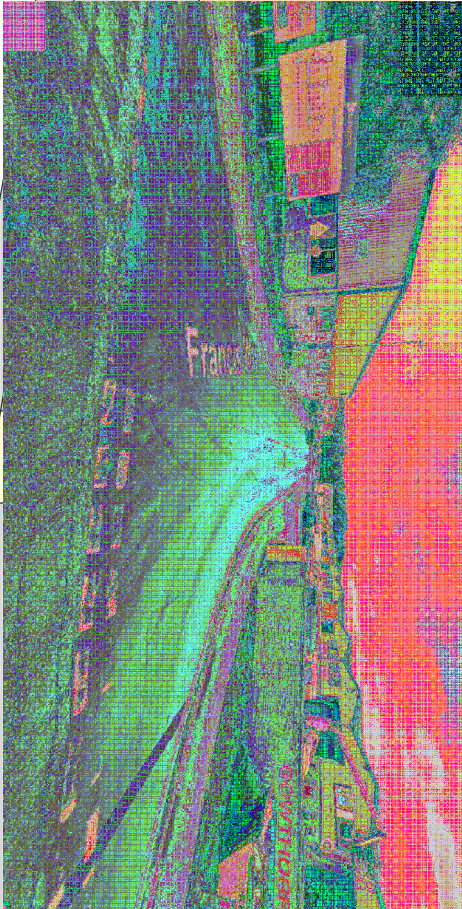


1:400@A3



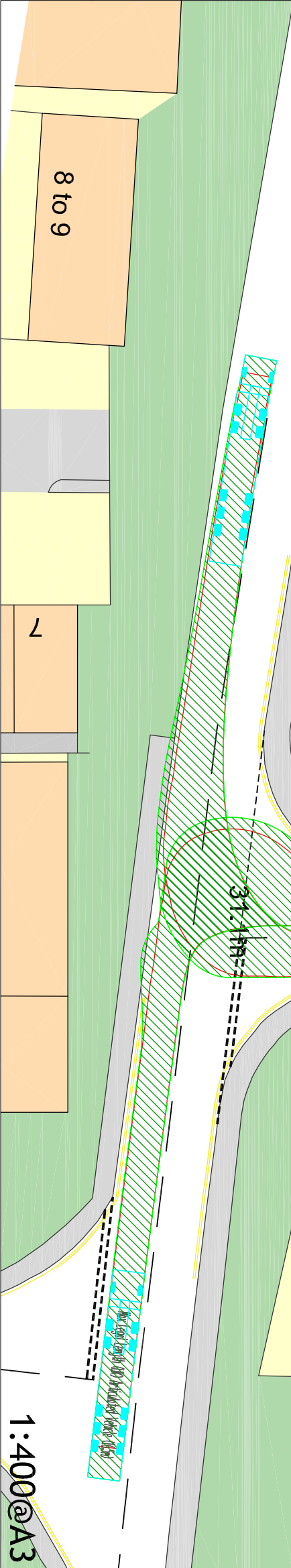
1 to 4

FRANCIS WAY



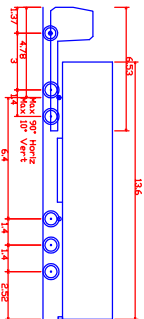
2.7m

31.4m



1:400@A3

Revision:
A -



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 15.500m
Overall Width 3.000m
Min Body Ground Clearance 0.41m
Lock to Lock Time 6.00s
Kerb to Kerb Turning Radius 6.530m

Client:

Honeyview Investments

Project:

Land at Barnard Road, Norwich

Drawing Title:

Large Service Vehicle Swept Paths
Morgan Way & Francis Way Side Road
Connections to Barnard Road

Drawing Number:

J000420-ATR502

Revision:

-

Date:

11/04/24

Scale:

As Stated

Drawn By:

APB

Checked By:

-

Status:

Information

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Barnard Road, Norwich ATC 1 East site

Site No. 660501

Site Ref. 660501

Site 1

Vehicle Count Report

Week Begin: 02 June 2024

Channel: Westbound

	Sun Jun 02	Mon Jun 03	Tue Jun 04	Wed Jun 05	Thu Jun 06	Fri Jun 07	Sat Jun 08	5-Day Ave.	7-Day Ave.
00:00	3	3	4	6	7	7	7	5	5
01:00	3	2	3	4	0	1	6	2	3
02:00	3	6	12	14	14	13	5	12	10
03:00	1	13	9	7	8	7	11	9	8
04:00	3	16	14	14	16	16	8	15	12
05:00	7	90	87	79	59	81	17	79	60
06:00	56	203	202	207	208	203	96	205	168
07:00	18	289	312	303	311	259	76	295	224
08:00	15	318	359	372	334	282	74	333	251
09:00	30	176	199	215	228	184	69	200	157
10:00	41	55	163	161	155	144	91	136	116
11:00	39	124	150	117	154	149	61	139	113
12:00	20	44	120	108	107	126	54	101	83
13:00	28	125	110	122	107	125	36	118	93
14:00	37	88	99	101	94	84	50	93	79
15:00	16	84	97	82	97	88	32	90	71
16:00	12	87	92	93	137	83	44	98	78
17:00	25	96	82	80	80	72	31	82	67
18:00	63	96	94	100	100	81	59	94	85
19:00	16	52	60	55	45	37	20	50	41
20:00	18	18	25	22	19	24	23	22	21
21:00	10	27	22	40	27	23	23	28	25
22:00	15	9	9	9	10	8	15	9	11
23:00	7	11	9	6	9	17	7	10	9
Total									
12H(7-19)	344	1582	1877	1854	1904	1677	677	1779	1416
16H(6-22)	444	1882	2186	2178	2203	1964	839	2083	1671
18H(6-24)	466	1902	2204	2193	2222	1989	861	2102	1691
24H(0-24)	486	2032	2333	2317	2326	2114	915	2224	1789
AM Peak	06:00 56	08:00 318	08:00 359	08:00 372	08:00 334	08:00 282	06:00 96	08:00 333	08:00 251
PM Peak	18:00 63	13:00 125	12:00 120	13:00 122	16:00 137	12:00 126	18:00 59	13:00 118	13:00 93

Site No. 660501

Site Ref. 660501

Site 1

Vehicle Count Report

Week Begin: 02 June 2024

Channel: Eastbound

	Sun Jun 02	Mon Jun 03	Tue Jun 04	Wed Jun 05	Thu Jun 06	Fri Jun 07	Sat Jun 08	5-Day Ave.	7-Day Ave.
00:00	2	1	1	2	5	5	6	3	3
01:00	2	3	3	5	3	3	5	3	3
02:00	2	4	7	6	9	6	7	6	6
03:00	3	1	2	5	6	3	12	3	5
04:00	4	8	16	16	16	21	8	15	13
05:00	2	19	23	15	17	15	6	18	14
06:00	15	71	73	76	54	67	22	68	54
07:00	40	123	139	116	133	152	73	133	111
08:00	11	104	93	112	94	108	42	102	81
09:00	16	87	87	100	138	106	58	104	85
10:00	28	41	144	136	117	156	74	119	99
11:00	46	163	197	161	204	171	100	179	149
12:00	34	53	157	160	168	158	66	139	114
13:00	32	134	117	129	122	139	48	128	103
14:00	33	117	137	150	119	164	63	137	112
15:00	26	157	138	151	183	143	49	154	121
16:00	21	291	337	333	294	251	60	301	227
17:00	27	271	249	309	264	165	36	252	189
18:00	28	114	139	104	103	101	41	112	90
19:00	46	103	75	87	85	73	52	85	74
20:00	19	36	34	33	39	25	23	33	30
21:00	20	33	34	67	73	34	33	48	42
22:00	25	49	81	35	46	56	32	53	46
23:00	4	11	6	8	14	10	6	10	8
Total									
12H(7-19)	342	1655	1934	1961	1939	1814	710	1861	1479
16H(6-22)	442	1898	2150	2224	2190	2013	840	2095	1680
18H(6-24)	471	1958	2237	2267	2250	2079	878	2158	1734
24H(0-24)	486	1994	2289	2316	2306	2132	922	2207	1778
AM Peak	11:00 46	11:00 163	11:00 197	11:00 161	11:00 204	11:00 171	11:00 100	11:00 179	11:00 149
PM Peak	19:00 46	16:00 291	16:00 337	16:00 333	16:00 294	16:00 251	12:00 66	16:00 301	16:00 227

Site No. 660501

Site Ref. 660501

Site 1

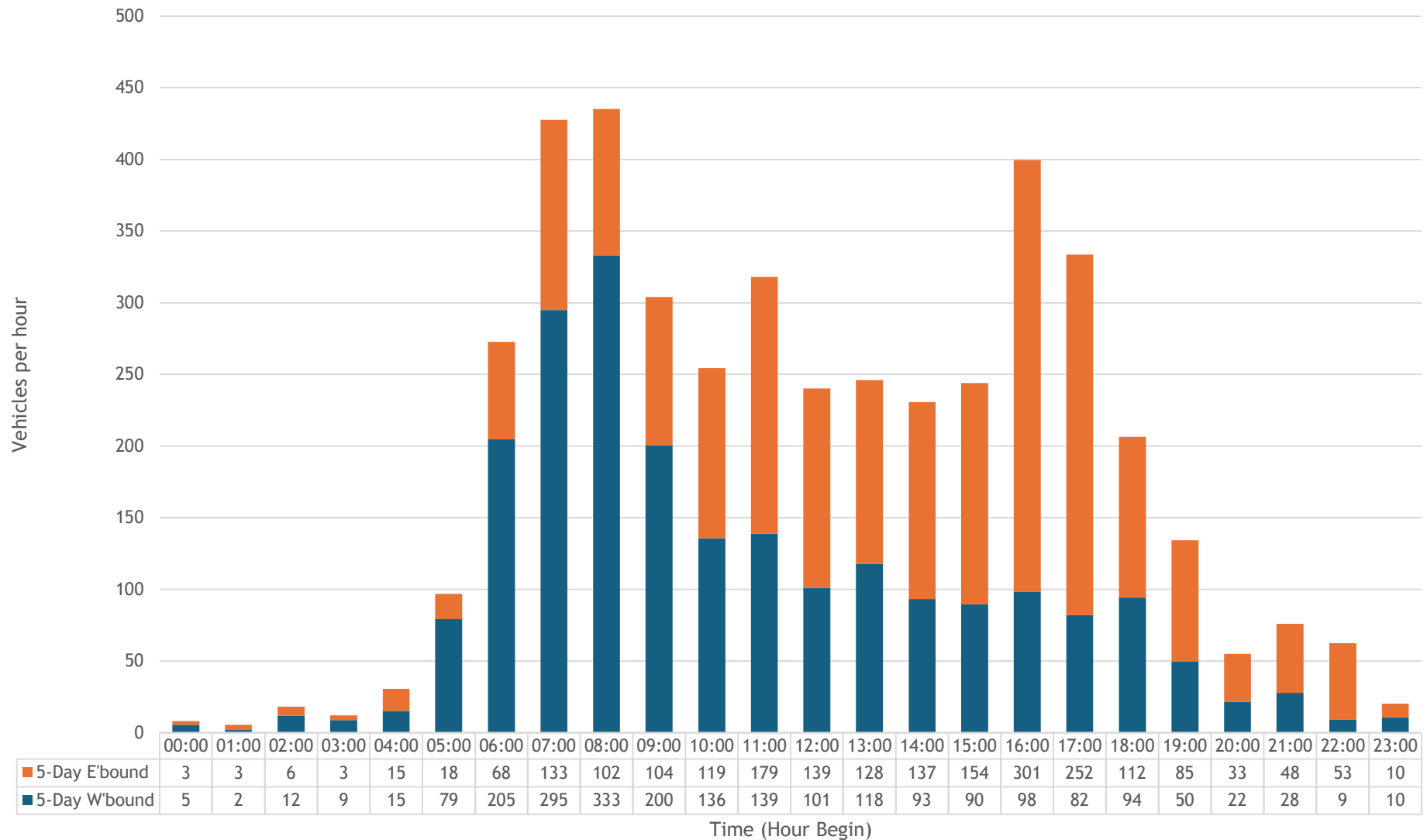
Vehicle Count Report

Week Begin: 02 June 2024

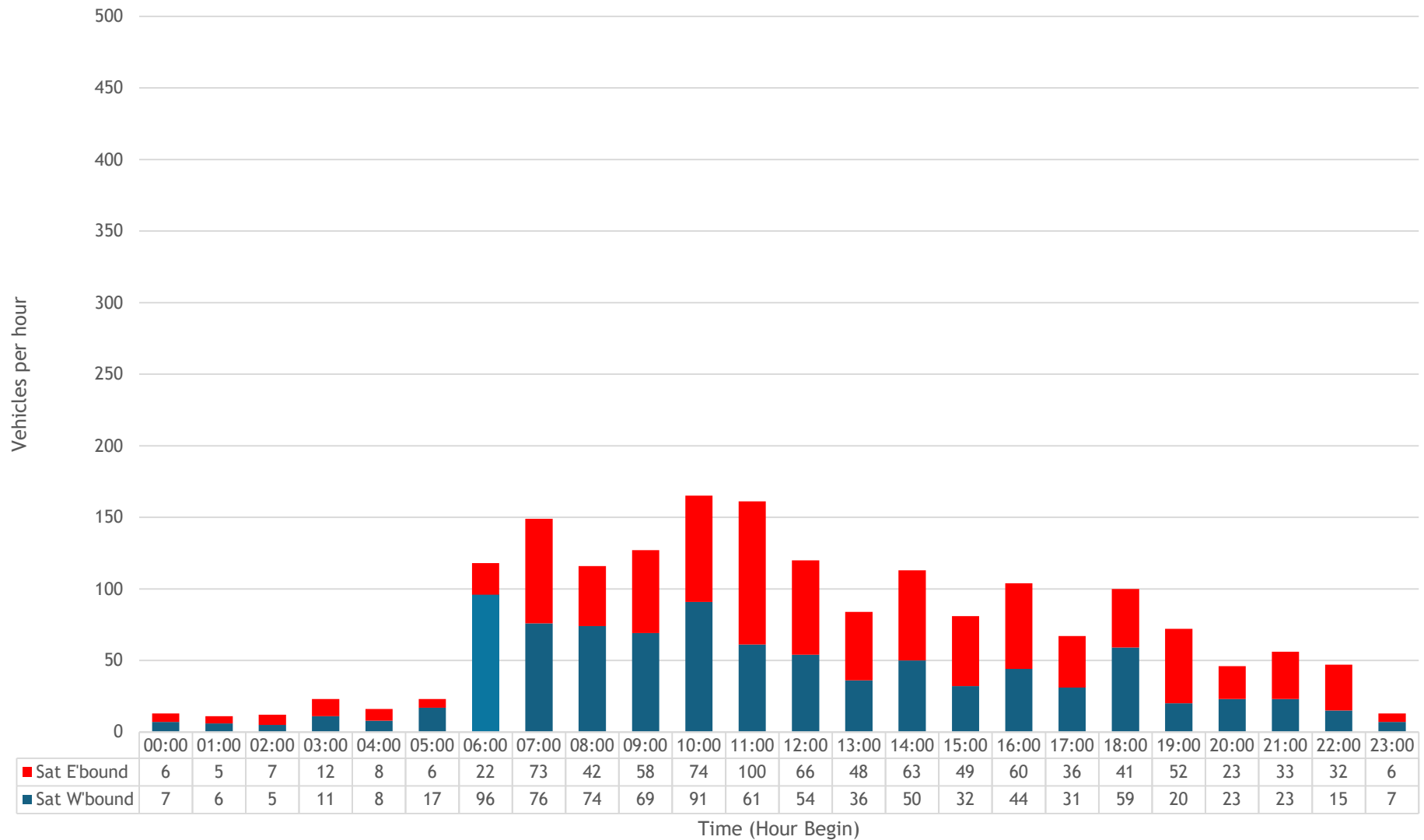
Channel: Total Flow

	Sun Jun 02	Mon Jun 03	Tue Jun 04	Wed Jun 05	Thu Jun 06	Fri Jun 07	Sat Jun 08	5-Day Ave.	7-Day Ave.
00:00	5	4	5	8	12	12	13	8	8
01:00	5	5	6	9	3	4	11	5	6
02:00	5	10	19	20	23	19	12	18	15
03:00	4	14	11	12	14	10	23	12	13
04:00	7	24	30	30	32	37	16	31	25
05:00	9	109	110	94	76	96	23	97	74
06:00	71	274	275	283	262	270	118	273	222
07:00	58	412	451	419	444	411	149	427	335
08:00	26	422	452	484	428	390	116	435	331
09:00	46	263	286	315	366	290	127	304	242
10:00	69	96	307	297	272	300	165	254	215
11:00	85	287	347	278	358	320	161	318	262
12:00	54	97	277	268	275	284	120	240	196
13:00	60	259	227	251	229	264	84	246	196
14:00	70	205	236	251	213	248	113	231	191
15:00	42	241	235	233	280	231	81	244	192
16:00	33	378	429	426	431	334	104	400	305
17:00	52	367	331	389	344	237	67	334	255
18:00	91	210	233	204	203	182	100	206	175
19:00	62	155	135	142	130	110	72	134	115
20:00	37	54	59	55	58	49	46	55	51
21:00	30	60	56	107	100	57	56	76	67
22:00	40	58	90	44	56	64	47	62	57
23:00	11	22	15	14	23	27	13	20	18
Total									
12H(7-19)	686	3237	3811	3815	3843	3491	1387	3639	2896
16H(6-22)	886	3780	4336	4402	4393	3977	1679	4178	3350
18H(6-24)	937	3860	4441	4460	4472	4068	1739	4260	3425
24H(0-24)	972	4026	4622	4633	4632	4246	1837	4432	3567
AM Peak	11:00 85	08:00 422	08:00 452	08:00 484	07:00 444	07:00 411	10:00 165	08:00 435	07:00 335
PM Peak	18:00 91	16:00 378	16:00 429	16:00 426	16:00 431	16:00 334	12:00 120	16:00 400	16:00 305

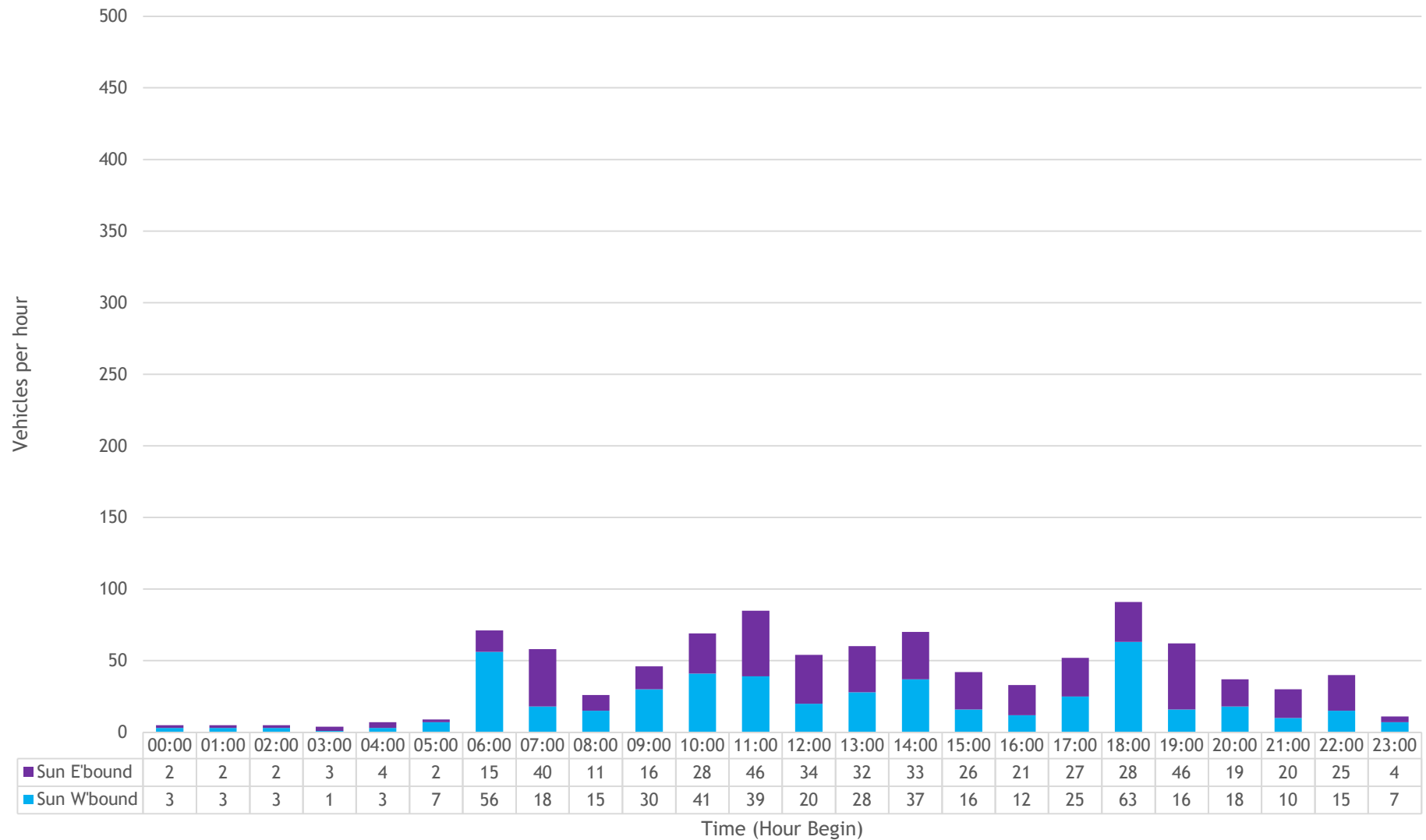
Barnard Road: ATC Site 1 5-Day Average Demand Profile



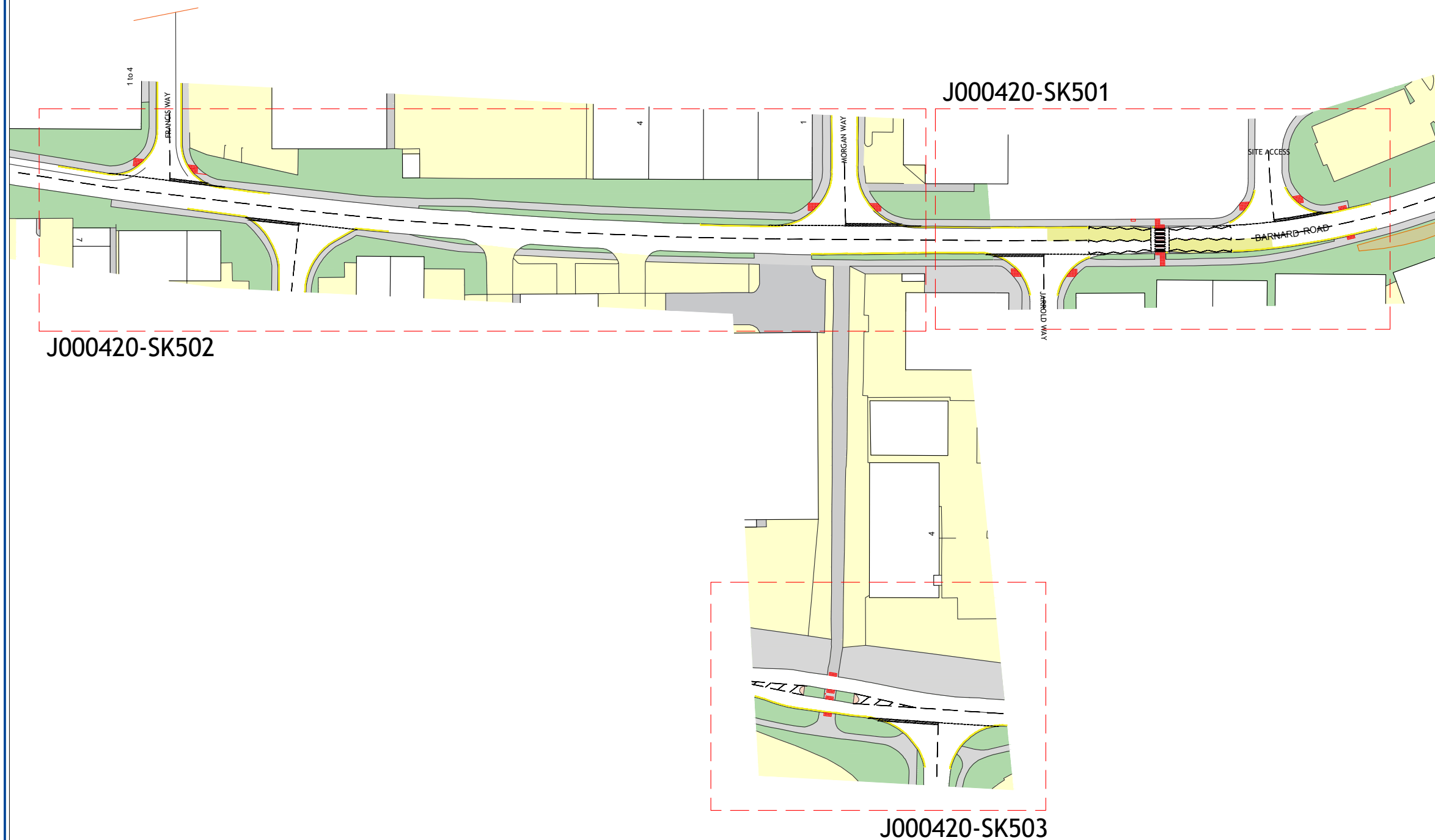
Barnard Road: ATC Site 1 Saturday Demand Profile



Barnard Road: ATC Site 1 Sunday Demand Profile







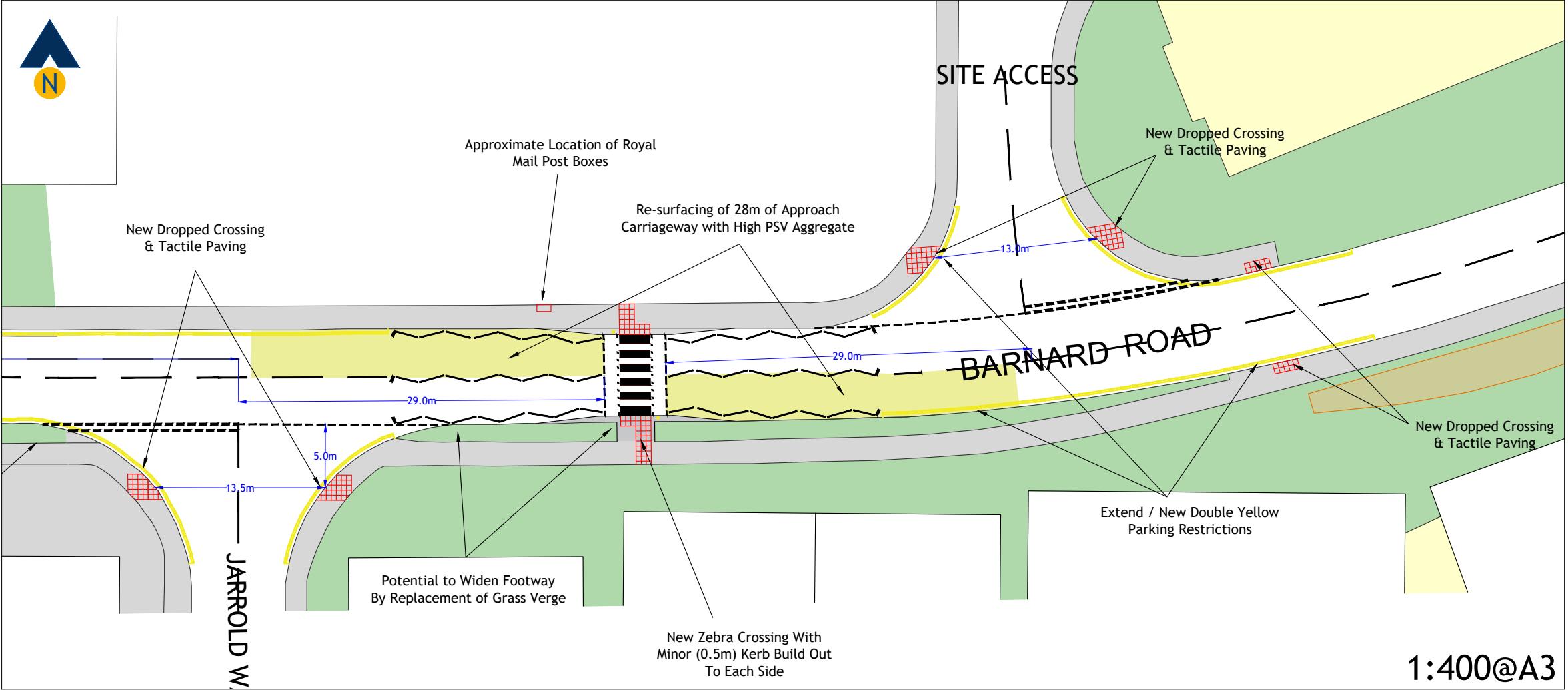
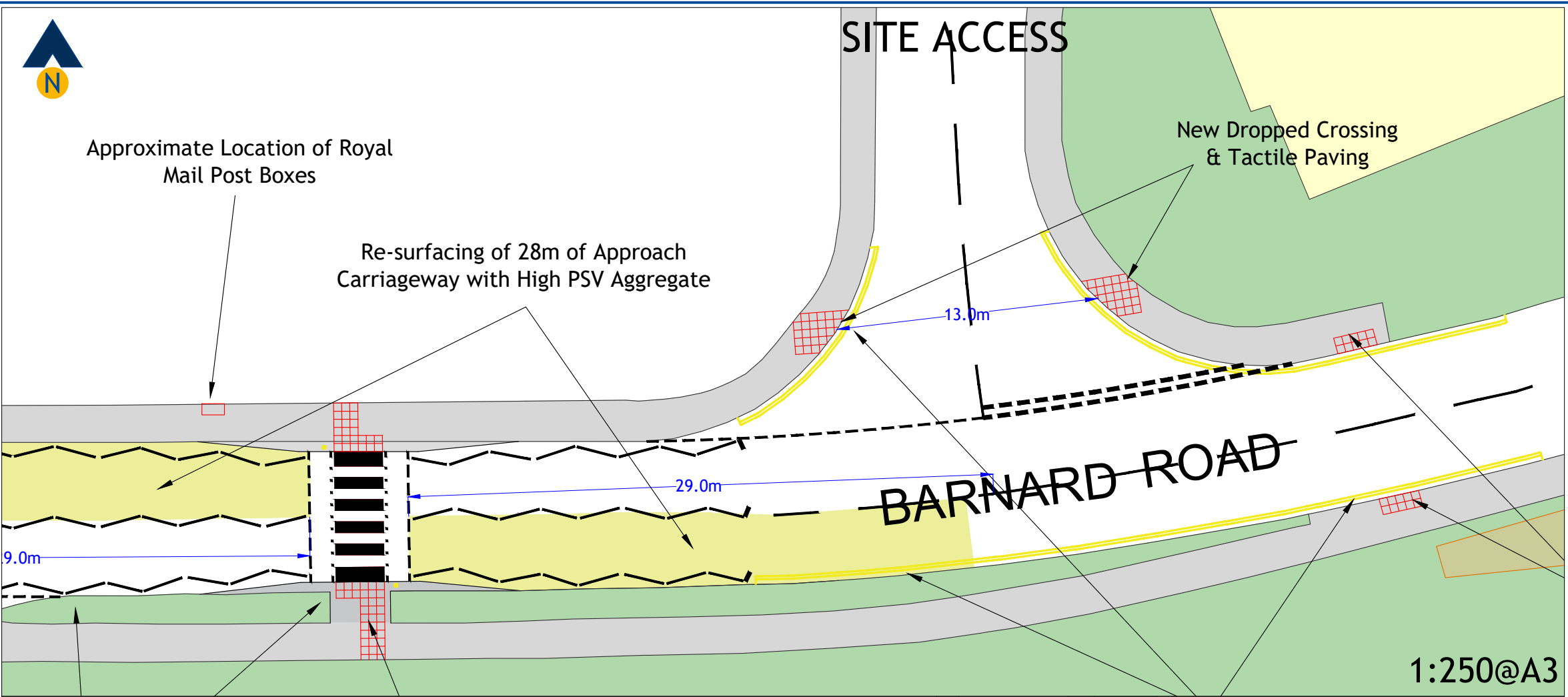
Revision:
A Amends to Zebra Marks & Francis Way Tactiles 17/05/24

Client: Honeyview Investments	
Project: Land at Barnard Road, Norwich	
Drawing Title: Location of Pedestrian Improvements To the South of the Application Site	
Drawing Number: J000420-SK504	Revision: A
Date: 11/04/24	Scale: As Stated
Drawn By: APB	Checked By: -
Status: Information	

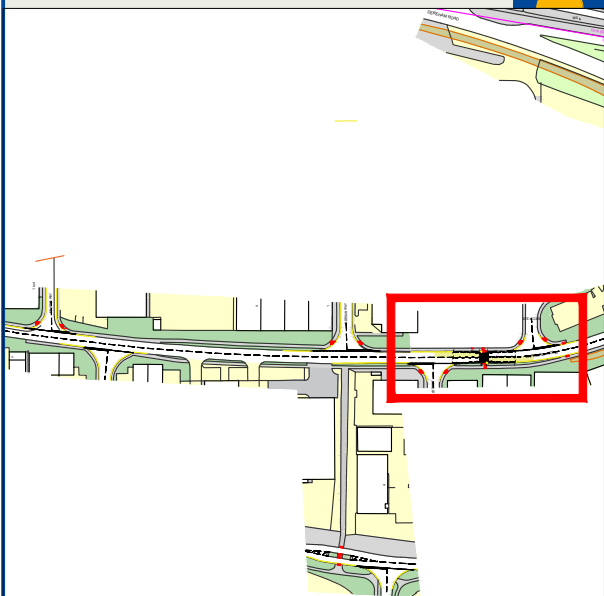
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Revision:
A Amendments to Zebra Markings & Re-Surfacing 17/05/24

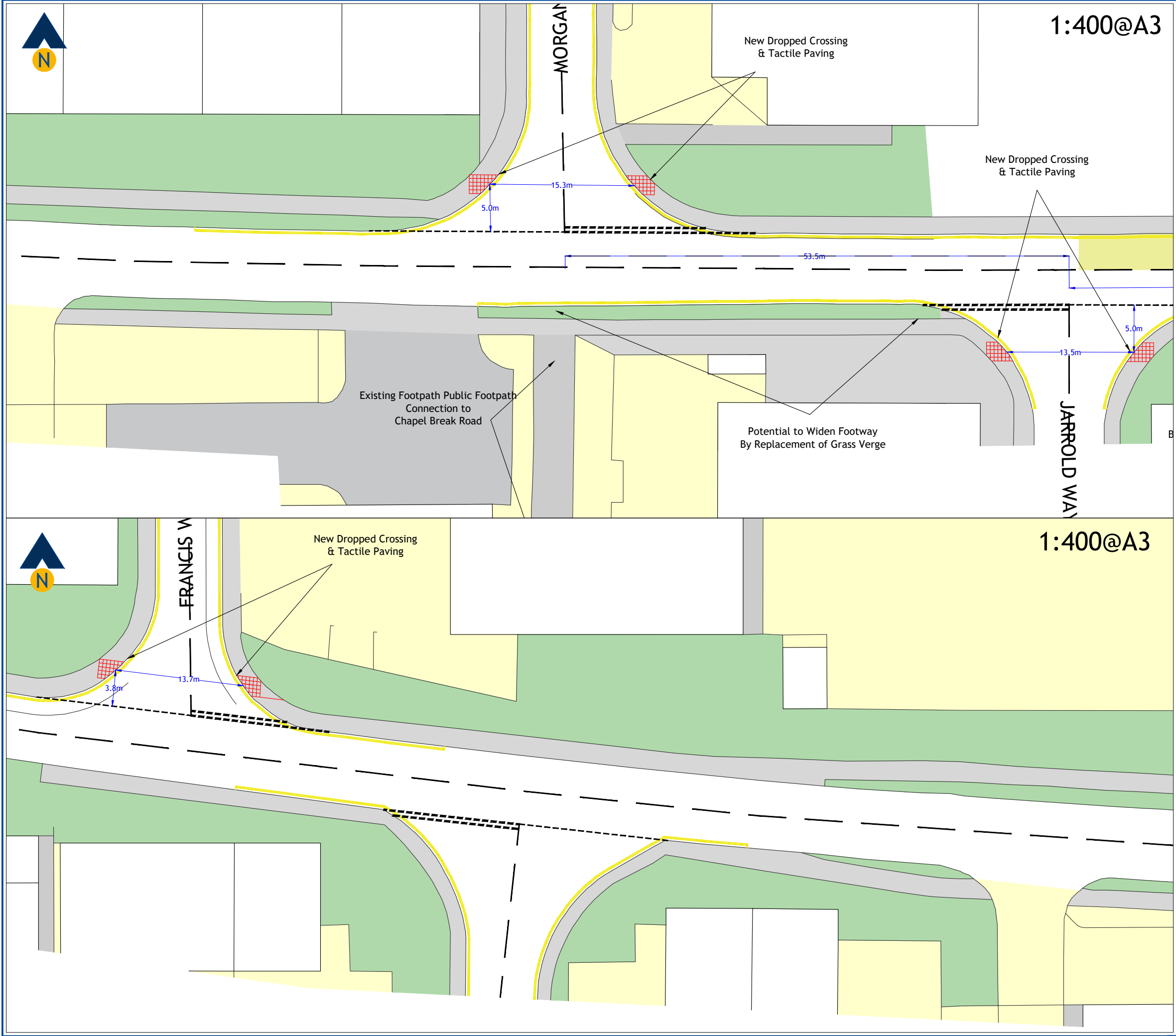


Client:	Honeyview Investments		
Project:	Land at Barnard Road, Norwich		
Drawing Title:	Proposed Pedestrian Improvements to Eastern Section of Barnard Road (Including New Zebra Crossing)		
Drawing Number:	J000420-SK501	Revision:	A
Date:	11/04/24	Scale:	As Stated
Drawn By:	APB	Checked By:	-
Status:	Information		

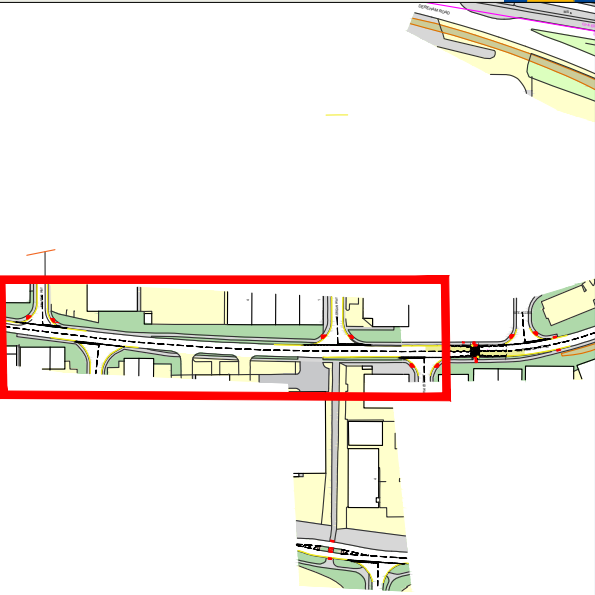
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Revision:		17/05/24
A	Amendments to Francis Way Tactiles	

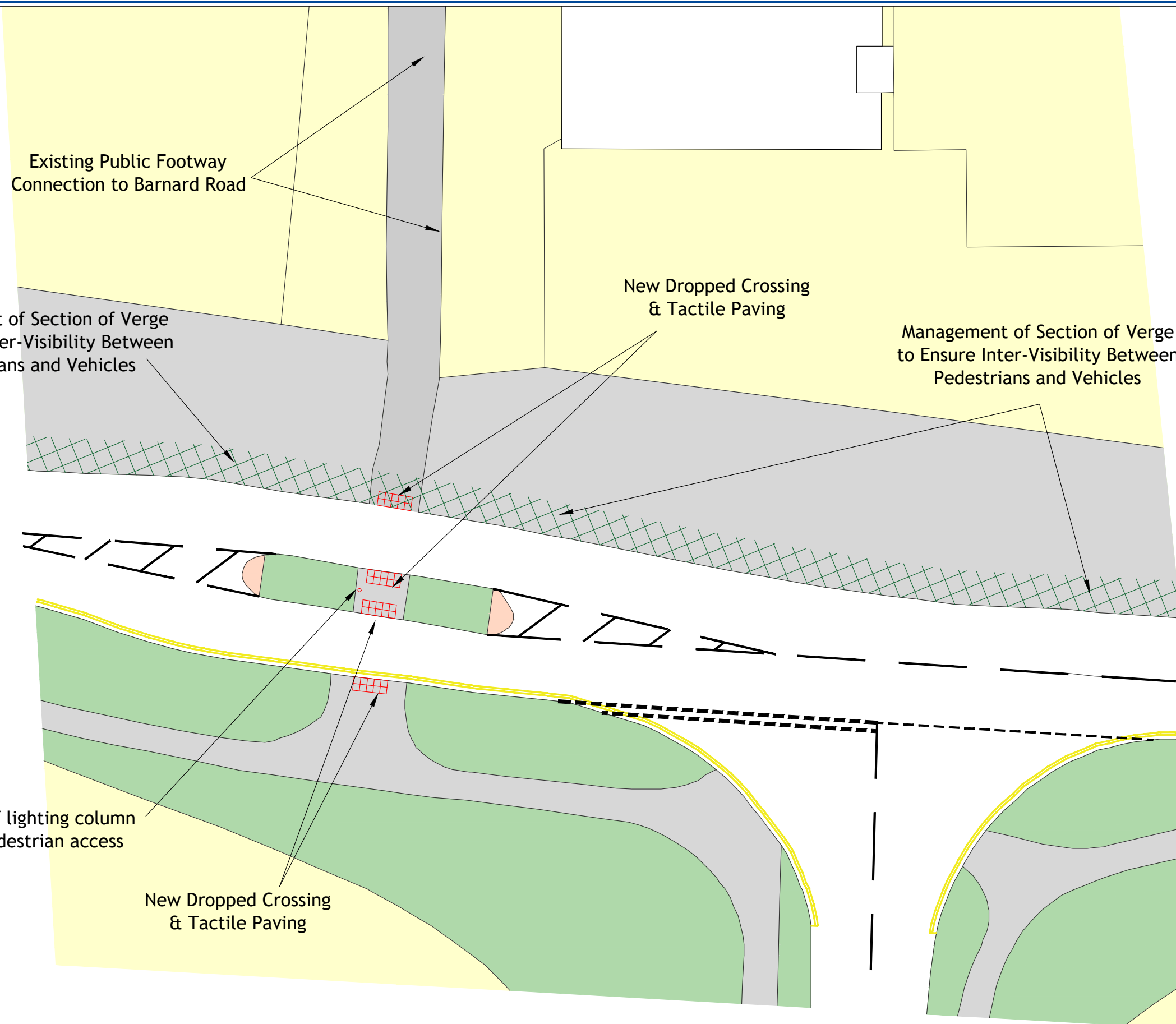


Client:		Honeyview Investments
Project:		Land at Barnard Road, Norwich
Drawing Title:		Proposed Pedestrian Improvements to Western Section of Barnard Road (Dropped Crossings to Side Road)
Drawing Number:	Revision:	
J000420-SK502	A	
Date:	Scale:	
11/04/24	As Stated	
Drawn By:	Checked By:	
APB	-	
Status:		Information

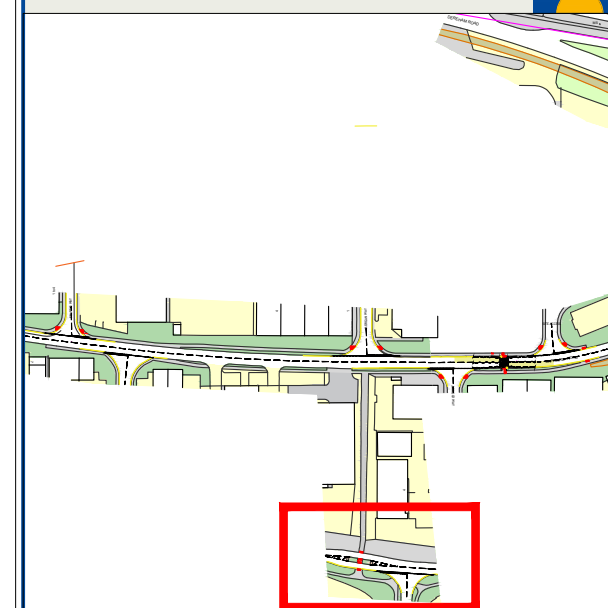
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Revision:
A -



Client:
Honeyview Investments

Project:
Land at Barnard Road, Norwich

Drawing Title:
Proposed Pedestrian Improvements at
Existing Crossing of Chapel Break Road

Drawing Number:
J000420-SK503

Revision:
-

Date:
11/04/24

Scale:
As Stated

Drawn By:
APB

Checked By:
-

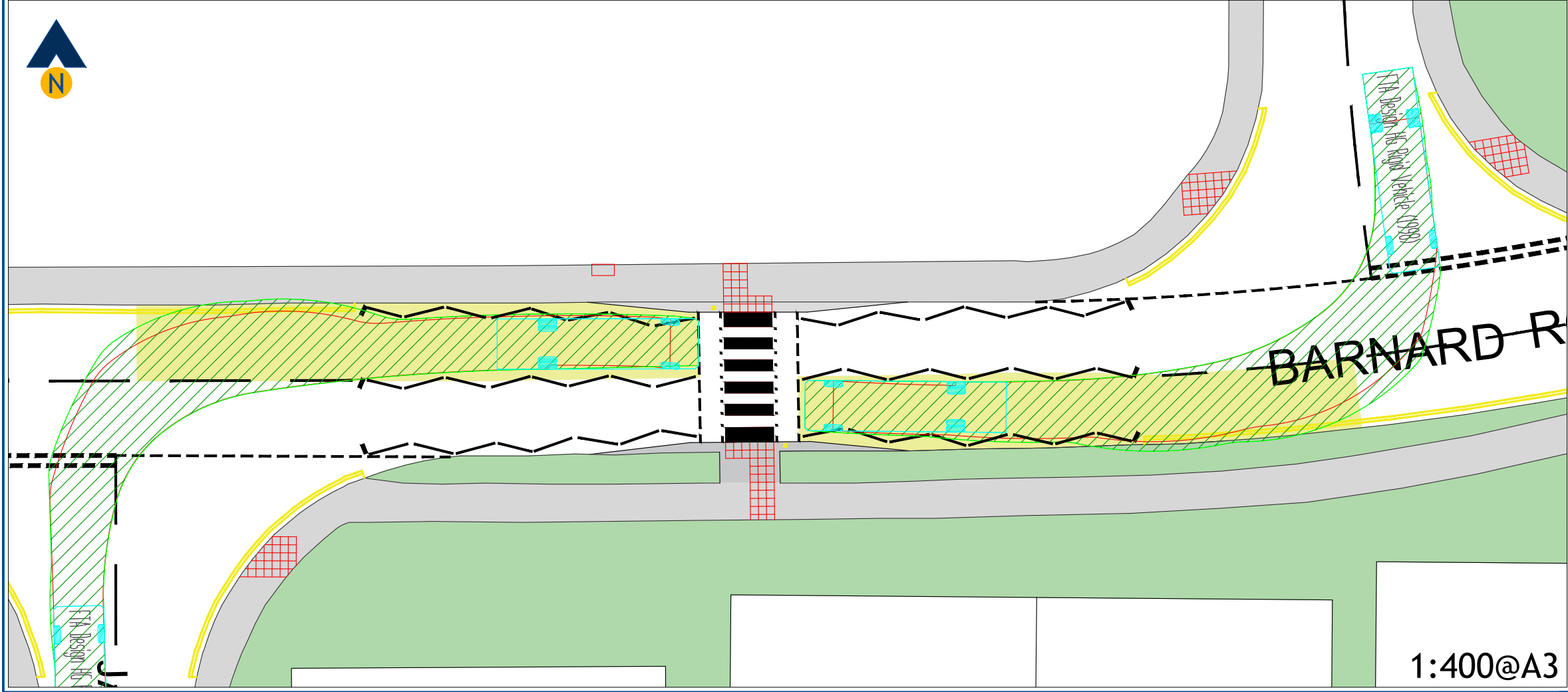
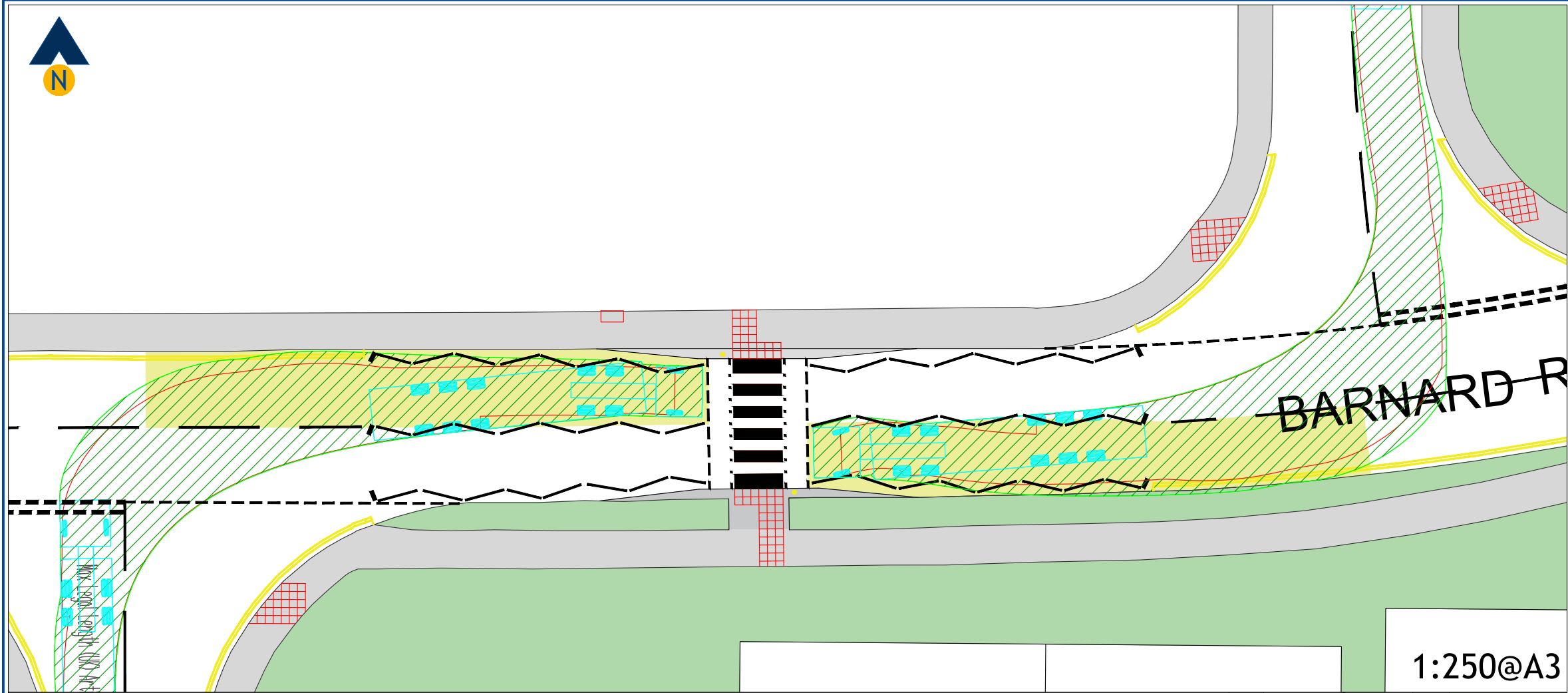
Status:
Information

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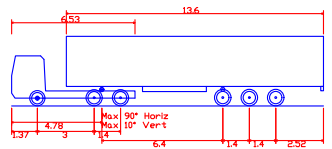
DO NOT SCALE - Follow any figured dimensions.

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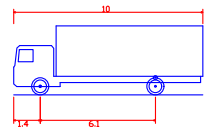
1:250@A3



Revision:
A Amendments to Zebra Markings & Re-Surfacing 17/05/24



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.41m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m



FTA Design HG Rigid Vehicle (1998)
Overall Length 10.000m
Overall Width 2.500m
Overall Body Height 3.645m
Min Body Ground Clearance 0.440m
Track Width 2.470m
Lock to lock time 3.00s
Kerb to Kerb Turning Radius 11.000m

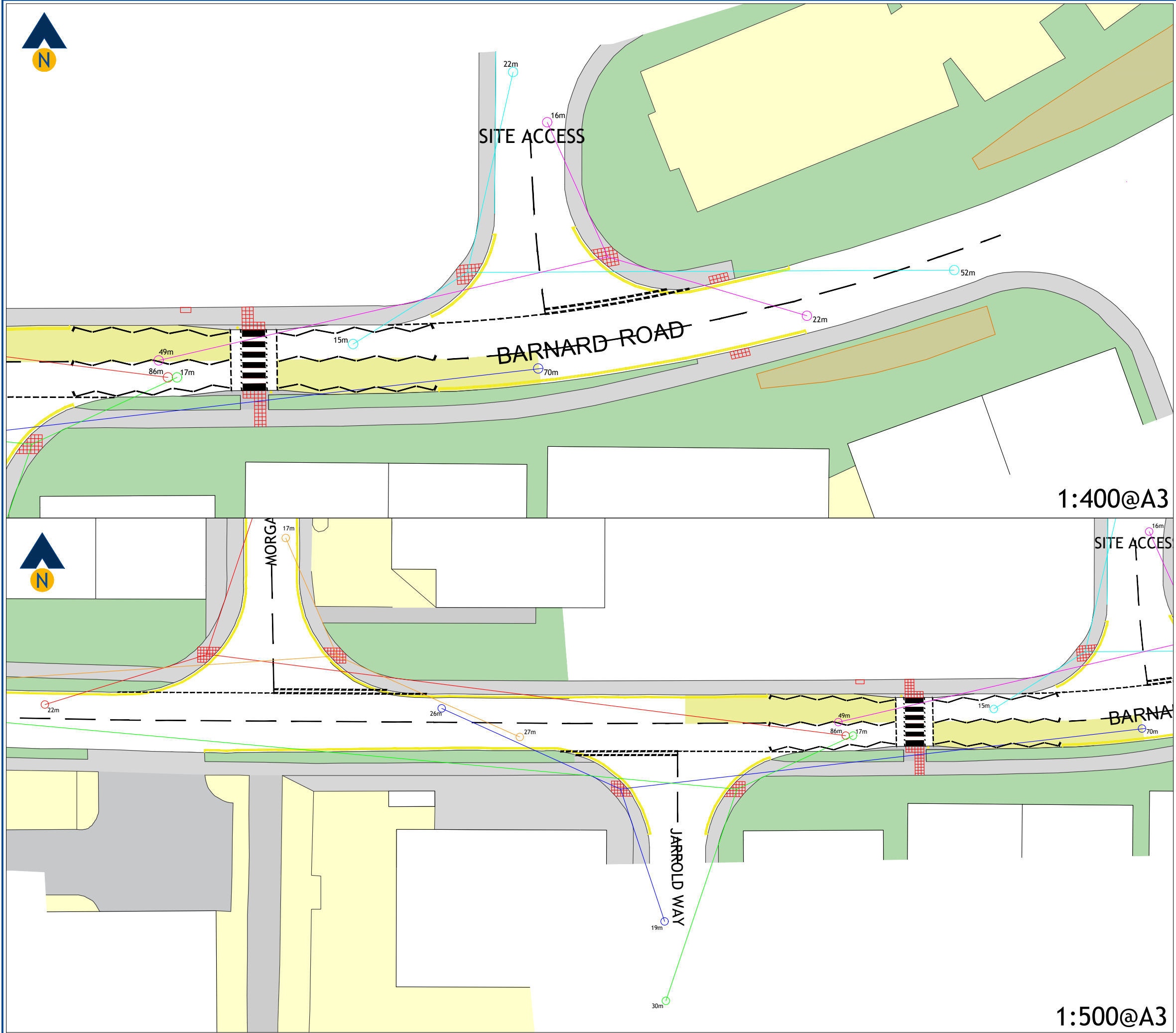
Client: Honeyview Investments	
Project: Land at Barnard Road, Norwich	
Drawing Title: Proposed Zebra Crossing to Barnard Road Vehicle Swept Paths Max Articulated HGV & FTA Design Rigid HGV	
Drawing Number: J000420-ATR501	Revision: A
Date: 11/04/24	Scale: As Stated
Drawn By: APB	Checked By: -

Status:
Information

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Revision:
A Amendments to Zebra Markings & Re-Surfacing 17/05/24

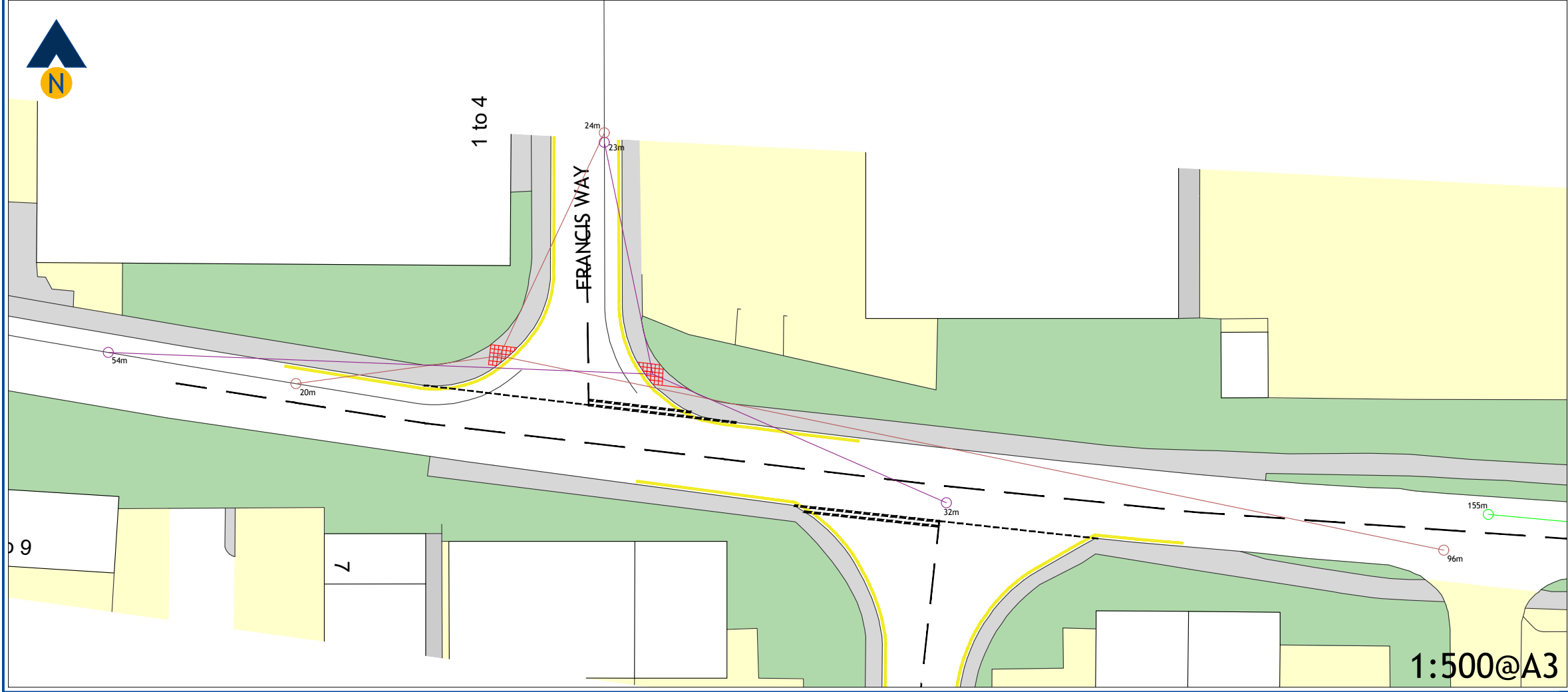
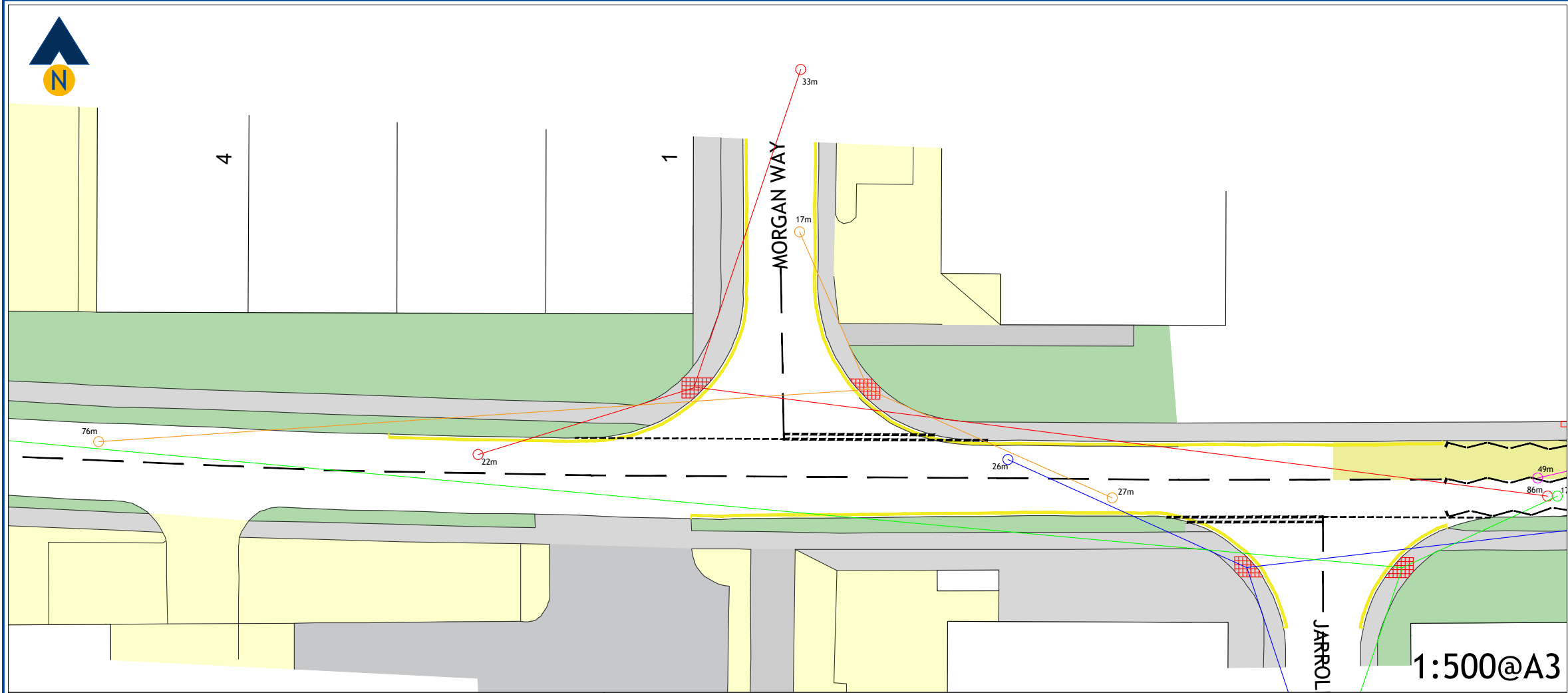
Client:	Honeyview Investments
Project:	Land at Barnard Road, Norwich
Drawing Title:	Minimum Pedestrian Visibility at Proposed Crossing Points (1m from kerb edge) Site Access & Jarrold Way
Drawing Number:	J000420-VISI501
Revision:	A
Date:	11/04/24
Scale:	As Stated
Drawn By:	APB
Checked By:	-

Status: Information

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Revision:		17/05/24
A	Amendments to Francis Way Tactiles	

Client:		Honeyview Investments
Project:		Land at Barnard Road, Norwich
Drawing Title:		Minimum Pedestrian Visibility at Proposed Crossing Points (1m from kerb edge) Morgan Way & Francis Way
Drawing Number:	Revision:	
J000420-VISI502	A	
Date:	Scale:	
11/04/24	As Stated	
Drawn By:	Checked By:	
APB	-	

Status: Information

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RECORDED CRITICAL DIRECTION WEEKDAY OFF-PEAK SPEEDS - JUNE 2024 SURVEY

ATC SITE ONE (EAST OF PROPOSED CROSSING)

Average Speeds (mph) - WESTBOUND

	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun
10-11	25	26	26	26	27
11-12	26	26	27	26	27
14-15	27	24	27	28	26
15-16	27	27	27	27	28
12hr (07-19)	27	27	27	26	27
24hr	27	27	28	27	28

85th Percentile Speeds (mph) - WESTBOUND

	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun
10-11	29	31	31	32	33
11-12	30	31	33	31	31
14-15	33	31	33	33	32
15-16	33	32	33	30	34
12hr (07-19)	32	33	33	32	33
24hr	33	33	33	33	33

ATC SITE TWO (WEST OF PROPOSED CROSSING)

Average Speeds (mph) - EASTBOUND

	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun
10-11	22	25	25	24	26
11-12	25	25	24	24	25
14-15	26	24	26	26	25
15-16	26	24	26	26	28
12hr (07-19)	25	25	26	25	26
24hr	25	25	26	25	26

85th Percentile Speeds (mph) - EASTBOUND

	Mon 3 Jun	Tue 4 Jun	Wed 5 Jun	Thur 6 Jun	Fri 7 Jun
10-11	24	29	30	30	31
11-12	30	29	30	29	30
14-15	32	30	32	33	32
15-16	32	30	32	32	34
12hr (07-19)	32	30	32	31	33
24hr	32	31	32	31	33



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

02 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	3		19		0	1	0	2	0	0	0	0	0	0	0	0	0
01:00	3		29		0	0	1	0	0	1	1	0	0	0	0	0	0
02:00	3		26		0	0	0	1	2	0	0	0	0	0	0	0	0
03:00	1		38		0	0	0	0	0	0	1	0	0	0	0	0	0
04:00	3		27		0	0	0	0	3	0	0	0	0	0	0	0	0
05:00	7		28		0	0	1	1	2	2	1	0	0	0	0	0	0
06:00	56	36	28	8	1	2	7	9	13	13	8	3	0	0	0	0	0
07:00	18	29	26	4	0	1	2	4	9	0	2	0	0	0	0	0	0
08:00	15	31	25	6	0	2	2	1	6	4	0	0	0	0	0	0	0
09:00	30	30	25	5	0	0	8	7	10	4	0	1	0	0	0	0	0
10:00	41	31	25	6	0	0	8	14	10	8	1	0	0	0	0	0	0
11:00	39	29	24	6	0	1	9	17	6	5	0	1	0	0	0	0	0
12:00	20	28	23	5	0	0	6	8	3	3	0	0	0	0	0	0	0
13:00	28	28	24	4	0	3	2	11	11	0	1	0	0	0	0	0	0
14:00	37	29	24	5	0	1	6	18	8	4	0	0	0	0	0	0	0
15:00	16	31	26	5	0	0	3	3	6	4	0	0	0	0	0	0	0
16:00	12	30	25	5	0	0	3	3	3	3	0	0	0	0	0	0	0
17:00	25	32	26	6	1	0	4	5	8	5	2	0	0	0	0	0	0
18:00	63	35	29	7	0	2	5	12	18	15	7	3	1	0	0	0	0
19:00	16	27	23	4	0	2	1	9	2	2	0	0	0	0	0	0	0
20:00	18	31	24	8	0	2	5	2	4	5	0	0	0	0	0	0	0
21:00	10	30	27	3	0	0	2	1	5	1	0	1	0	0	0	0	0
22:00	15	34	26	8	0	1	3	3	3	2	3	0	0	0	0	0	0
23:00	7		21		0	2	2	0	2	1	0	0	0	0	0	0	0
Total																	
12H(7-19)	344	32	25	7	1	10	58	103	98	55	13	5	1	0	0	0	0
16H(6-22)	444	33	26	7	2	16	73	124	122	76	21	9	1	0	0	0	0
18H(6-24)	466	33	25	7	2	19	78	127	127	79	24	9	1	0	0	0	0
24H(0-24)	486	33	26	7	2	20	80	131	134	82	27	9	1	0	0	0	0
AM Peak	06:00 56	06:00 36	03:00 38	06:00 8	06:00 1	08:00 2	11:00 9	11:00 17	06:00 13	06:00 13	06:00 8	06:00 3	- 0	- 0	- 0	- 0	- 0
PM Peak	18:00 63	18:00 35	18:00 29	22:00 8	17:00 1	13:00 3	14:00 6	14:00 18	18:00 18	18:00 15	18:00 7	18:00 3	18:00 1	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

02 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	2		17		0	1	0	1	0	0	0	0	0	0	0	0	0
01:00	2		35		0	0	0	0	0	1	1	0	0	0	0	0	0
02:00	2		17		0	1	0	1	0	0	0	0	0	0	0	0	0
03:00	3		29		0	0	0	1	1	0	1	0	0	0	0	0	0
04:00	4		30		0	0	1	0	2	0	0	0	1	0	0	0	0
05:00	2		27		0	0	0	1	0	1	0	0	0	0	0	0	0
06:00	15	33	28	5	0	0	2	2	5	5	1	0	0	0	0	0	0
07:00	40	33	26	7	0	4	3	8	13	8	4	0	0	0	0	0	0
08:00	11	31	23	7	0	1	4	2	1	2	1	0	0	0	0	0	0
09:00	16	27	21	6	0	3	6	3	2	2	0	0	0	0	0	0	0
10:00	28	32	26	6	0	0	4	8	9	5	2	0	0	0	0	0	0
11:00	46	32	26	6	0	1	8	8	16	11	2	0	0	0	0	0	0
12:00	34	26	20	5	1	2	16	8	6	0	1	0	0	0	0	0	0
13:00	32	28	22	6	1	2	12	7	8	1	1	0	0	0	0	0	0
14:00	33	30	22	8	0	3	15	8	1	3	2	1	0	0	0	0	0
15:00	26	29	23	7	0	2	11	4	5	2	2	0	0	0	0	0	0
16:00	21	22	18	4	0	5	10	6	0	0	0	0	0	0	0	0	0
17:00	27	29	23	6	0	1	11	6	5	3	1	0	0	0	0	0	0
18:00	28	31	24	7	1	3	5	5	8	3	3	0	0	0	0	0	0
19:00	46	34	27	6	1	0	6	7	17	10	5	0	0	0	0	0	0
20:00	19	27	21	6	0	3	5	5	5	1	0	0	0	0	0	0	0
21:00	20	24	21	3	0	1	9	7	1	2	0	0	0	0	0	0	0
22:00	25	29	23	6	0	3	4	7	8	3	0	0	0	0	0	0	0
23:00	4		23		0	0	2	0	2	0	0	0	0	0	0	0	0
Total																	
12H(7-19)	342	31	23	8	3	27	105	73	74	40	19	1	0	0	0	0	0
16H(6-22)	442	32	24	8	4	31	127	94	102	58	25	1	0	0	0	0	0
18H(6-24)	471	31	24	8	4	34	133	101	112	61	25	1	0	0	0	0	0
24H(0-24)	486	32	24	8	4	36	134	105	115	63	27	1	1	0	0	0	0
AM Peak	11:00 46	07:00 33	01:00 35	08:00 7	- 0	07:00 4	11:00 8	11:00 8	11:00 16	11:00 11	07:00 4	- 0	04:00 1	- 0	- 0	- 0	- 0
PM Peak	19:00 46	19:00 34	19:00 27	14:00 8	19:00 1	16:00 5	12:00 16	14:00 8	19:00 17	19:00 10	19:00 5	14:00 1	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

03 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	3		29		0	1	0	0	0	1	0	1	0	0	0	0	0
01:00	2		20		0	0	1	1	0	0	0	0	0	0	0	0	0
02:00	6		31		0	0	0	1	2	1	2	0	0	0	0	0	0
03:00	13	35	31	4	0	1	0	0	6	3	1	1	1	0	0	0	0
04:00	16	36	29	7	0	0	2	3	5	2	3	1	0	0	0	0	0
05:00	90	35	29	6	0	3	3	17	30	24	8	4	1	0	0	0	0
06:00	203	33	28	5	0	0	12	45	92	41	11	1	0	1	0	0	0
07:00	289	32	27	5	0	7	13	74	131	56	7	0	1	0	0	0	0
08:00	318	31	26	5	0	9	14	81	153	52	8	1	0	0	0	0	0
09:00	176	31	25	5	0	5	21	53	67	25	4	1	0	0	0	0	0
10:00	55	29	25	4	0	0	6	23	21	5	0	0	0	0	0	0	0
11:00	124	30	26	4	0	2	8	36	59	16	3	0	0	0	0	0	0
12:00	44	31	27	4	0	0	0	18	17	8	1	0	0	0	0	0	0
13:00	125	33	27	6	1	2	11	29	50	22	7	2	1	0	0	0	0
14:00	88	33	27	5	0	0	8	18	35	24	3	0	0	0	0	0	0
15:00	84	33	27	6	0	3	6	20	30	19	5	0	1	0	0	0	0
16:00	87	33	28	5	0	1	2	20	42	13	8	1	0	0	0	0	0
17:00	96	32	27	5	0	1	8	23	41	20	2	1	0	0	0	0	0
18:00	96	34	28	6	1	2	4	15	40	24	8	2	0	0	0	0	0
19:00	52	32	25	7	0	2	8	23	6	11	1	1	0	0	0	0	0
20:00	18	28	24	5	0	1	4	6	5	1	1	0	0	0	0	0	0
21:00	27	34	28	6	0	0	3	5	8	7	4	0	0	0	0	0	0
22:00	9		24		0	1	2	2	1	3	0	0	0	0	0	0	0
23:00	11	32	24	8	1	0	3	2	1	4	0	0	0	0	0	0	0
Total																	
12H(7-19)	1582	32	27	5	2	32	101	410	686	284	56	8	3	0	0	0	0
16H(6-22)	1882	32	27	6	2	35	128	489	797	344	73	10	3	1	0	0	0
18H(6-24)	1902	32	27	6	3	36	133	493	799	351	73	10	3	1	0	0	0
24H(0-24)	2032	33	27	6	3	41	139	515	842	382	87	17	5	1	0	0	0
AM Peak	08:00 318	04:00 36	03:00 31	04:00 7	- 0	08:00 9	09:00 21	08:00 81	08:00 153	07:00 56	06:00 11	05:00 4	07:00 1	06:00 1	- 0	- 0	- 0
PM Peak	13:00 125	21:00 34	21:00 28	23:00 8	23:00 1	15:00 3	13:00 11	13:00 29	13:00 50	18:00 24	18:00 8	18:00 2	15:00 1	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

03 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	1		12		0	1	0	0	0	0	0	0	0	0	0	0	0
01:00	3		29		0	0	0	0	2	1	0	0	0	0	0	0	0
02:00	4		26		0	0	1	1	0	2	0	0	0	0	0	0	0
03:00	1		28		0	0	0	0	1	0	0	0	0	0	0	0	0
04:00	8		26		0	0	1	1	5	1	0	0	0	0	0	0	0
05:00	19	32	26	6	0	1	3	4	5	6	0	0	0	0	0	0	0
06:00	71	30	26	4	0	1	8	21	29	9	2	0	1	0	0	0	0
07:00	123	30	25	5	1	6	12	41	49	11	2	1	0	0	0	0	0
08:00	104	29	24	5	0	3	14	49	30	7	1	0	0	0	0	0	0
09:00	87	29	25	4	0	0	8	29	42	7	1	0	0	0	0	0	0
10:00	41	28	24	4	0	0	6	19	15	0	1	0	0	0	0	0	0
11:00	163	30	25	5	0	5	15	62	62	16	2	1	0	0	0	0	0
12:00	53	29	25	4	1	0	6	19	23	3	1	0	0	0	0	0	0
13:00	134	30	25	5	0	3	23	42	49	15	2	0	0	0	0	0	0
14:00	117	32	27	5	0	1	11	18	57	25	5	0	0	0	0	0	0
15:00	157	32	27	5	0	2	12	40	69	27	6	1	0	0	0	0	0
16:00	291	33	27	5	0	4	18	51	132	76	10	0	0	0	0	0	0
17:00	271	32	26	6	8	18	9	69	109	46	12	0	0	0	0	0	0
18:00	114	33	28	5	0	1	8	18	55	23	7	2	0	0	0	0	0
19:00	103	34	29	6	0	1	10	9	42	28	10	3	0	0	0	0	0
20:00	36	31	26	5	0	1	8	3	17	5	2	0	0	0	0	0	0
21:00	33	31	25	6	0	1	10	5	10	6	0	1	0	0	0	0	0
22:00	49	33	25	8	0	1	15	11	12	3	7	0	0	0	0	0	0
23:00	11	34	29	6	0	1	1	1	1	5	2	0	0	0	0	0	0
Total																	
12H(7-19)	1655	31	26	5	10	43	142	457	692	256	50	5	0	0	0	0	0
16H(6-22)	1898	32	26	6	10	47	178	495	790	304	64	9	1	0	0	0	0
18H(6-24)	1958	32	26	6	10	49	194	507	803	312	73	9	1	0	0	0	0
24H(0-24)	1994	32	26	6	10	51	199	513	816	322	73	9	1	0	0	0	0
AM Peak	11:00 163	05:00 32	01:00 29	05:00 6	07:00 1	07:00 6	11:00 15	11:00 62	11:00 62	11:00 16	11:00 2	11:00 1	06:00 1	- 0	- 0	- 0	- 0
PM Peak	16:00 291	23:00 34	23:00 29	22:00 8	17:00 8	17:00 18	13:00 23	17:00 69	16:00 132	16:00 76	17:00 12	19:00 3	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

04 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	4		33		0	0	0	0	1	2	1	0	0	0	0	0	0
01:00	3		27		0	1	0	0	0	1	1	0	0	0	0	0	0
02:00	12	38	32	6	0	1	0	0	4	1	5	1	0	0	0	0	0
03:00	9		25		0	1	2	3	1	1	0	0	0	1	0	0	0
04:00	14	29	27	3	0	0	1	3	8	2	0	0	0	0	0	0	0
05:00	87	35	30	5	0	1	3	8	34	30	9	2	0	0	0	0	0
06:00	202	34	28	6	1	2	12	34	78	59	12	2	1	0	1	0	0
07:00	312	33	28	5	1	1	12	44	161	73	17	2	1	0	0	0	0
08:00	359	33	28	5	0	4	11	74	166	87	12	4	1	0	0	0	0
09:00	199	33	27	5	1	2	18	31	92	49	5	1	0	0	0	0	0
10:00	163	31	26	5	0	3	16	52	60	26	6	0	0	0	0	0	0
11:00	150	31	26	5	0	0	15	43	64	25	2	0	1	0	0	0	0
12:00	120	33	28	5	0	2	8	23	52	27	6	1	1	0	0	0	0
13:00	110	33	27	6	0	1	11	25	45	20	6	1	1	0	0	0	0
14:00	99	31	24	7	3	6	17	27	27	15	4	0	0	0	0	0	0
15:00	97	32	27	5	0	0	8	26	42	17	4	0	0	0	0	0	0
16:00	92	33	27	6	1	1	7	22	31	26	4	0	0	0	0	0	0
17:00	82	32	27	5	0	1	5	13	43	18	1	1	0	0	0	0	0
18:00	94	33	27	6	0	1	7	25	33	24	4	0	0	0	0	0	0
19:00	60	28	23	5	1	1	11	30	11	5	1	0	0	0	0	0	0
20:00	25	33	26	7	0	0	4	9	4	6	2	0	0	0	0	0	0
21:00	22	36	29	7	0	1	2	3	7	4	3	2	0	0	0	0	0
22:00	9		22		0	0	3	3	3	0	0	0	0	0	0	0	0
23:00	9		23		0	0	3	2	3	1	0	0	0	0	0	0	0
Total																	
12H(7-19)	1877	33	27	6	6	22	135	405	816	407	71	10	5	0	0	0	0
16H(6-22)	2186	33	27	6	8	26	164	481	916	481	89	14	6	0	1	0	0
18H(6-24)	2204	33	27	6	8	26	170	486	922	482	89	14	6	0	1	0	0
24H(0-24)	2333	33	27	6	8	30	176	500	970	519	105	17	6	1	1	0	0
AM Peak	08:00 359	02:00 38	00:00 33	02:00 6	09:00 1	08:00 4	09:00 18	08:00 74	08:00 166	08:00 87	07:00 17	08:00 4	11:00 1	03:00 1	06:00 1	- 0	- 0
PM Peak	12:00 120	21:00 36	21:00 29	21:00 7	14:00 3	14:00 6	14:00 17	19:00 30	12:00 52	12:00 27	13:00 6	21:00 2	13:00 1	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

64.98716 Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

04 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	1		32		0	0	0	0	0	1	0	0	0	0	0	0	0
01:00	3		33		0	0	0	0	1	1	1	0	0	0	0	0	0
02:00	7		32		0	0	0	0	3	2	2	0	0	0	0	0	0
03:00	2		33		0	0	0	0	1	0	1	0	0	0	0	0	0
04:00	16	29	26	3	0	0	1	6	7	1	1	0	0	0	0	0	0
05:00	23	32	25	7	0	1	6	3	6	6	1	0	0	0	0	0	0
06:00	73	33	28	5	0	0	3	12	35	18	5	0	0	0	0	0	0
07:00	139	30	26	4	0	4	10	47	60	14	3	0	1	0	0	0	0
08:00	93	31	27	4	0	1	4	23	48	14	2	0	1	0	0	0	0
09:00	87	30	26	4	1	1	7	21	42	12	3	0	0	0	0	0	0
10:00	144	29	25	4	0	4	15	49	64	10	0	2	0	0	0	0	0
11:00	197	30	25	4	0	2	21	71	81	20	2	0	0	0	0	0	0
12:00	157	30	26	4	0	3	18	36	75	22	3	0	0	0	0	0	0
13:00	117	30	25	4	0	3	18	24	56	13	3	0	0	0	0	0	0
14:00	137	30	25	5	0	9	19	37	52	16	4	0	0	0	0	0	0
15:00	138	30	25	5	1	5	11	45	58	15	3	0	0	0	0	0	0
16:00	337	31	27	4	0	4	23	71	175	59	3	2	0	0	0	0	0
17:00	249	30	25	5	20	3	14	47	131	31	2	1	0	0	0	0	0
18:00	139	33	28	5	0	2	10	21	64	35	6	1	0	0	0	0	0
19:00	75	32	26	6	0	3	11	17	26	16	2	0	0	0	0	0	0
20:00	34	30	25	5	0	0	5	12	11	5	1	0	0	0	0	0	0
21:00	34	31	25	7	0	3	7	6	10	7	1	0	0	0	0	0	0
22:00	81	27	22	5	0	1	31	30	15	3	1	0	0	0	0	0	0
23:00	6		21		0	1	3	0	1	1	0	0	0	0	0	0	0
Total																	
12H(7-19)	1934	30	26	5	22	41	170	492	906	261	34	6	2	0	0	0	0
16H(6-22)	2150	31	26	5	22	47	196	539	988	307	43	6	2	0	0	0	0
18H(6-24)	2237	31	26	5	22	49	230	569	1004	311	44	6	2	0	0	0	0
24H(0-24)	2289	31	26	5	22	50	237	578	1022	322	50	6	2	0	0	0	0
AM Peak	11:00 197	06:00 33	03:00 33	05:00 7	09:00 1	10:00 4	11:00 21	11:00 71	11:00 81	11:00 20	06:00 5	10:00 2	08:00 1	- 0	- 0	- 0	- 0
PM Peak	16:00 337	18:00 33	18:00 28	21:00 7	17:00 20	14:00 9	22:00 31	16:00 71	16:00 175	16:00 59	18:00 6	16:00 2	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

05 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	6		26		0	0	1	3	0	1	1	0	0	0	0	0	0
01:00	4		26		0	0	0	1	3	0	0	0	0	0	0	0	0
02:00	14	39	33	6	0	0	1	1	3	3	4	1	1	0	0	0	0
03:00	7		29		0	1	0	0	3	1	1	1	0	0	0	0	0
04:00	14	33	28	4	0	0	1	2	5	6	0	0	0	0	0	0	0
05:00	79	34	29	5	0	2	1	9	29	30	6	2	0	0	0	0	0
06:00	207	34	28	6	2	3	7	43	78	60	8	6	0	0	0	0	0
07:00	303	33	28	5	0	2	5	45	151	84	12	4	0	0	0	0	0
08:00	372	33	28	5	0	7	14	57	171	106	16	1	0	0	0	0	0
09:00	215	32	26	6	0	7	27	46	83	40	11	1	0	0	0	0	0
10:00	161	31	26	5	0	4	16	46	67	23	4	0	1	0	0	0	0
11:00	117	33	27	6	1	1	8	30	47	23	6	1	0	0	0	0	0
12:00	108	33	28	5	0	0	6	24	42	29	6	1	0	0	0	0	0
13:00	122	33	27	6	0	2	7	30	50	23	10	0	0	0	0	0	0
14:00	101	33	27	7	1	2	8	33	24	28	3	2	0	0	0	0	0
15:00	82	33	27	6	0	1	7	24	27	18	5	0	0	0	0	0	0
16:00	93	35	29	5	0	2	0	15	38	26	9	3	0	0	0	0	0
17:00	80	33	28	5	0	3	4	10	38	20	5	0	0	0	0	0	0
18:00	100	34	28	6	0	2	9	22	34	20	8	2	3	0	0	0	0
19:00	55	30	24	6	0	1	16	18	11	6	2	0	1	0	0	0	0
20:00	22	36	29	7	0	0	1	7	5	4	4	1	0	0	0	0	0
21:00	40	33	27	6	0	0	6	6	17	6	5	0	0	0	0	0	0
22:00	9		24		0	0	4	1	1	3	0	0	0	0	0	0	0
23:00	6		25		1	0	1	0	2	1	1	0	0	0	0	0	0
Total																	
12H(7-19)	1854	33	27	6	2	33	111	382	772	440	95	15	4	0	0	0	0
16H(6-22)	2178	33	27	6	4	37	141	456	883	516	114	22	5	0	0	0	0
18H(6-24)	2193	33	27	6	5	37	146	457	886	520	115	22	5	0	0	0	0
24H(0-24)	2317	33	28	6	5	40	150	473	929	561	127	26	6	0	0	0	0
AM Peak	08:00 372	02:00 39	02:00 33	09:00 6	06:00 2	09:00 7	09:00 27	08:00 57	08:00 171	08:00 106	08:00 16	06:00 6	10:00 1	- 0	- 0	- 0	- 0
PM Peak	13:00 122	20:00 36	16:00 29	20:00 7	23:00 1	17:00 3	19:00 16	14:00 33	13:00 50	12:00 29	13:00 10	16:00 3	18:00 3	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

05 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	2		25		0	0	1	0	0	1	0	0	0	0	0	0	0
01:00	5		29		0	0	1	0	2	1	1	0	0	0	0	0	0
02:00	6		29		0	0	0	0	4	2	0	0	0	0	0	0	0
03:00	5		27		0	0	0	1	3	1	0	0	0	0	0	0	0
04:00	16	32	28	4	0	0	2	0	8	6	0	0	0	0	0	0	0
05:00	15	32	27	4	0	0	2	1	7	5	0	0	0	0	0	0	0
06:00	76	31	27	4	0	0	4	20	38	11	3	0	0	0	0	0	0
07:00	116	31	26	5	0	1	12	35	48	19	1	0	0	0	0	0	0
08:00	112	30	26	4	0	3	5	25	63	14	2	0	0	0	0	0	0
09:00	100	32	27	5	0	3	4	26	45	18	4	0	0	0	0	0	0
10:00	136	30	26	5	0	5	13	39	57	18	4	0	0	0	0	0	0
11:00	161	30	25	5	1	2	23	49	62	22	2	0	0	0	0	0	0
12:00	160	30	25	5	0	5	21	38	71	21	4	0	0	0	0	0	0
13:00	129	30	26	4	0	1	16	25	66	17	2	2	0	0	0	0	0
14:00	150	32	26	6	0	6	16	28	64	28	8	0	0	0	0	0	0
15:00	151	32	27	5	0	2	10	36	63	37	3	0	0	0	0	0	0
16:00	333	32	27	5	1	6	15	84	154	65	6	2	0	0	0	0	0
17:00	309	33	28	5	0	3	13	54	147	74	14	4	0	0	0	0	0
18:00	104	34	28	5	0	2	8	14	39	33	6	1	1	0	0	0	0
19:00	87	33	27	7	0	5	9	17	27	23	6	0	0	0	0	0	0
20:00	33	33	26	7	0	0	7	8	8	7	2	1	0	0	0	0	0
21:00	67	31	23	8	0	1	29	16	9	8	3	1	0	0	0	0	0
22:00	35	32	26	6	0	0	9	7	10	7	1	0	1	0	0	0	0
23:00	8		21		0	2	2	1	2	1	0	0	0	0	0	0	0
Total																	
12H(7-19)	1961	32	27	5	2	39	156	453	879	366	56	9	1	0	0	0	0
16H(6-22)	2224	32	26	6	2	45	205	514	961	415	70	11	1	0	0	0	0
18H(6-24)	2267	32	26	6	2	47	216	522	973	423	71	11	2	0	0	0	0
24H(0-24)	2316	32	26	6	2	47	222	524	997	439	72	11	2	0	0	0	0
AM Peak	11:00 161	04:00 32	02:00 29	09:00 5	11:00 1	10:00 5	11:00 23	11:00 49	08:00 63	11:00 22	10:00 4	- 0	- 0	- 0	- 0	- 0	- 0
PM Peak	16:00 333	18:00 34	18:00 28	21:00 8	16:00 1	16:00 6	21:00 29	16:00 84	16:00 154	17:00 74	17:00 14	17:00 4	22:00 1	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

06 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	7		25		0	0	2	2	2	0	1	0	0	0	0	0	0
01:00	0				0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	14	38	33	5	0	0	0	1	3	4	5	1	0	0	0	0	0
03:00	8		29		0	1	0	0	2	4	1	0	0	0	0	0	0
04:00	16	34	30	4	0	1	0	2	3	8	1	1	0	0	0	0	0
05:00	59	36	30	6	0	2	3	3	21	18	10	2	0	0	0	0	0
06:00	208	34	29	5	1	4	8	28	78	68	16	3	2	0	0	0	0
07:00	311	33	28	5	0	7	10	50	161	66	15	2	0	0	0	0	0
08:00	334	32	27	5	1	2	23	85	154	58	8	2	1	0	0	0	0
09:00	228	30	25	5	0	4	37	66	84	28	6	3	0	0	0	0	0
10:00	155	32	26	6	1	3	19	41	58	24	9	0	0	0	0	0	0
11:00	154	31	26	5	0	5	10	53	58	23	5	0	0	0	0	0	0
12:00	107	34	28	6	0	1	7	24	40	25	8	2	0	0	0	0	0
13:00	107	33	27	6	0	1	11	20	42	24	8	0	1	0	0	0	0
14:00	94	33	28	6	1	2	6	15	36	30	3	1	0	0	0	0	0
15:00	97	30	27	3	0	1	1	30	49	13	2	1	0	0	0	0	0
16:00	137	32	26	6	0	4	10	45	48	26	3	1	0	0	0	0	0
17:00	80	31	25	6	1	2	7	29	26	13	1	1	0	0	0	0	0
18:00	100	32	25	6	1	5	10	31	31	19	2	1	0	0	0	0	0
19:00	45	31	24	7	0	1	12	17	6	6	2	1	0	0	0	0	0
20:00	19	32	27	5	0	0	1	6	6	5	0	1	0	0	0	0	0
21:00	27	34	29	5	0	0	0	7	12	4	3	1	0	0	0	0	0
22:00	10	28	24	4	0	0	3	3	3	0	1	0	0	0	0	0	0
23:00	9		26		0	1	1	1	3	3	0	0	0	0	0	0	0
Total																	
12H(7-19)	1904	32	26	6	5	37	151	489	787	349	70	14	2	0	0	0	0
16H(6-22)	2203	33	27	6	6	42	172	547	889	432	91	20	4	0	0	0	0
18H(6-24)	2222	33	27	6	6	43	176	551	895	435	92	20	4	0	0	0	0
24H(0-24)	2326	33	27	6	6	47	181	559	926	469	110	24	4	0	0	0	0
AM Peak	08:00 334	02:00 38	02:00 33	05:00 6	10:00 1	07:00 7	09:00 37	08:00 85	07:00 161	06:00 68	06:00 16	09:00 3	06:00 2	- 0	- 0	- 0	- 0
PM Peak	16:00 137	21:00 34	21:00 29	19:00 7	18:00 1	18:00 5	19:00 12	16:00 45	15:00 49	14:00 30	13:00 8	12:00 2	13:00 1	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

06 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		21		0	0	2	3	0	0	0	0	0	0	0	0	0
01:00	3		28		0	0	0	2	0	0	1	0	0	0	0	0	0
02:00	9		28		0	0	2	0	4	2	1	0	0	0	0	0	0
03:00	6		28		0	0	0	2	3	0	0	1	0	0	0	0	0
04:00	16	33	28	5	0	0	2	1	7	4	2	0	0	0	0	0	0
05:00	17	33	29	3	0	0	0	2	9	5	0	1	0	0	0	0	0
06:00	54	33	28	5	0	1	0	9	25	18	1	0	0	0	0	0	0
07:00	133	32	26	5	0	3	10	33	59	24	4	0	0	0	0	0	0
08:00	94	31	27	4	0	0	5	25	46	15	3	0	0	0	0	0	0
09:00	138	30	24	6	0	3	36	36	41	18	4	0	0	0	0	0	0
10:00	117	30	25	5	0	2	17	34	46	15	3	0	0	0	0	0	0
11:00	204	29	24	6	0	5	48	68	61	17	5	0	0	0	0	0	0
12:00	168	31	26	5	0	4	21	42	71	27	3	0	0	0	0	0	0
13:00	122	33	27	6	0	3	10	27	47	30	5	0	0	0	0	0	0
14:00	119	33	27	7	0	1	19	23	39	28	9	0	0	0	0	0	0
15:00	183	31	27	5	0	4	11	42	90	33	1	2	0	0	0	0	0
16:00	294	30	25	5	8	3	28	89	126	38	2	0	0	0	0	0	0
17:00	264	31	25	6	11	8	33	59	109	37	4	3	0	0	0	0	0
18:00	103	32	25	7	0	3	25	20	31	21	3	0	0	0	0	0	0
19:00	85	31	26	6	0	6	7	17	37	16	2	0	0	0	0	0	0
20:00	39	30	23	7	0	2	14	8	8	7	0	0	0	0	0	0	0
21:00	73	31	26	6	0	0	13	17	28	11	4	0	0	0	0	0	0
22:00	46	29	23	6	0	1	15	12	12	4	2	0	0	0	0	0	0
23:00	14	28	25	4	0	1	1	7	3	0	2	0	0	0	0	0	0
Total																	
12H(7-19)	1939	31	25	6	19	39	263	498	766	303	46	5	0	0	0	0	0
16H(6-22)	2190	31	25	6	19	48	297	549	864	355	53	5	0	0	0	0	0
18H(6-24)	2250	31	25	6	19	50	313	568	879	359	57	5	0	0	0	0	0
24H(0-24)	2306	31	25	6	19	50	319	578	902	370	61	7	0	0	0	0	0
AM Peak	11:00 204	04:00 33	05:00 29	09:00 6	- 0	11:00 5	11:00 48	11:00 68	11:00 61	07:00 24	11:00 5	05:00 1	- 0	- 0	- 0	- 0	- 0
PM Peak	16:00 294	14:00 33	13:00 27	20:00 7	17:00 11	17:00 8	17:00 33	16:00 89	16:00 126	16:00 38	14:00 9	17:00 3	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

07 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	7		31		0	1	1	0	1	1	2	0	0	1	0	0	0
01:00	1		22		0	0	0	1	0	0	0	0	0	0	0	0	0
02:00	13	38	33	4	0	0	0	1	2	5	4	1	0	0	0	0	0
03:00	7		30		0	1	0	0	2	1	3	0	0	0	0	0	0
04:00	16	34	31	3	0	0	0	1	9	3	1	1	0	1	0	0	0
05:00	81	34	29	5	0	1	3	13	31	27	5	1	0	0	0	0	0
06:00	203	35	29	6	1	1	6	34	77	56	25	3	0	0	0	0	0
07:00	259	33	28	5	0	2	6	45	130	55	18	3	0	0	0	0	0
08:00	282	33	28	5	0	4	10	55	138	62	12	1	0	0	0	0	0
09:00	184	32	27	5	0	2	18	37	87	32	7	1	0	0	0	0	0
10:00	144	33	27	6	0	2	11	40	49	35	7	0	0	0	0	0	0
11:00	149	31	27	4	0	0	15	33	73	22	4	1	1	0	0	0	0
12:00	126	34	27	6	0	2	11	24	49	29	11	0	0	0	0	0	0
13:00	125	34	28	6	0	2	8	26	47	31	9	2	0	0	0	0	0
14:00	84	32	26	6	1	1	8	18	35	19	1	1	0	0	0	0	0
15:00	88	34	28	6	0	2	8	15	36	18	7	2	0	0	0	0	0
16:00	83	32	28	4	0	1	3	15	44	15	2	2	1	0	0	0	0
17:00	72	34	30	5	0	0	3	7	30	25	5	1	1	0	0	0	0
18:00	81	33	27	6	1	1	8	19	31	14	4	1	2	0	0	0	0
19:00	37	33	26	6	0	1	4	12	9	8	2	1	0	0	0	0	0
20:00	24	34	28	6	0	0	4	4	9	3	3	0	1	0	0	0	0
21:00	23	34	29	5	0	0	2	4	5	9	3	0	0	0	0	0	0
22:00	8		19		0	2	3	1	2	0	0	0	0	0	0	0	0
23:00	17	31	25	7	0	1	5	4	3	2	1	1	0	0	0	0	0
Total																	
12H(7-19)	1677	33	27	6	2	19	109	334	749	357	87	15	5	0	0	0	0
16H(6-22)	1964	33	28	6	3	21	125	388	849	433	120	19	6	0	0	0	0
18H(6-24)	1989	33	28	6	3	24	133	393	854	435	121	20	6	0	0	0	0
24H(0-24)	2114	33	28	6	3	27	137	409	899	472	136	23	6	2	0	0	0
AM Peak	08:00 282	02:00 38	02:00 33	10:00 6	06:00 1	08:00 4	09:00 18	08:00 55	08:00 138	08:00 62	06:00 25	07:00 3	11:00 1	04:00 1	- 0	- 0	- 0
PM Peak	12:00 126	21:00 34	17:00 30	23:00 7	18:00 1	22:00 2	12:00 11	13:00 26	12:00 49	13:00 31	12:00 11	16:00 2	18:00 2	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501 64.98716 Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

07 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		30		0	0	0	1	3	0	0	0	1	0	0	0	0
01:00	3		26		0	0	1	1	0	0	1	0	0	0	0	0	0
02:00	6		30		0	0	0	1	3	0	2	0	0	0	0	0	0
03:00	3		24		0	0	1	0	2	0	0	0	0	0	0	0	0
04:00	21	33	28	4	0	0	2	1	10	8	0	0	0	0	0	0	0
05:00	15	29	25	4	0	0	3	2	9	1	0	0	0	0	0	0	0
06:00	67	32	27	5	1	0	3	15	32	13	2	1	0	0	0	0	0
07:00	152	32	26	6	1	3	18	42	56	28	3	0	1	0	0	0	0
08:00	108	32	27	5	0	0	4	30	46	24	3	1	0	0	0	0	0
09:00	106	32	27	5	0	0	6	23	51	22	4	0	0	0	0	0	0
10:00	156	31	26	5	0	1	15	42	69	24	4	1	0	0	0	0	0
11:00	171	30	26	4	1	2	15	40	86	23	4	0	0	0	0	0	0
12:00	158	32	26	6	0	7	18	41	58	31	2	1	0	0	0	0	0
13:00	139	32	26	5	0	1	13	39	55	29	2	0	0	0	0	0	0
14:00	164	32	26	7	0	7	27	31	56	40	3	0	0	0	0	0	0
15:00	143	34	29	6	1	3	5	21	56	41	15	1	0	0	0	0	0
16:00	251	33	28	5	1	2	12	48	120	61	4	1	1	0	1	0	0
17:00	165	33	28	5	0	3	8	26	73	45	8	2	0	0	0	0	0
18:00	101	33	28	6	0	2	9	12	41	31	6	0	0	0	0	0	0
19:00	73	34	27	6	0	4	6	11	24	21	7	0	0	0	0	0	0
20:00	25	32	25	7	0	2	6	1	9	5	2	0	0	0	0	0	0
21:00	34	34	26	8	0	3	5	7	7	8	4	0	0	0	0	0	0
22:00	56	32	25	7	0	2	14	14	13	11	1	1	0	0	0	0	0
23:00	10	30	27	3	0	0	1	2	5	1	1	0	0	0	0	0	0
Total																	
12H(7-19)	1814	33	27	6	4	31	150	395	767	399	58	7	2	0	1	0	0
16H(6-22)	2013	33	27	6	5	40	170	429	839	446	73	8	2	0	1	0	0
18H(6-24)	2079	33	27	6	5	42	185	445	857	458	75	9	2	0	1	0	0
24H(0-24)	2132	33	27	6	5	42	192	451	884	467	78	9	3	0	1	0	0
AM Peak	11:00 171	04:00 33	00:00 30	07:00 6	11:00 1	07:00 3	07:00 18	10:00 42	11:00 86	07:00 28	11:00 4	10:00 1	07:00 1	- 0	- 0	- 0	- 0
PM Peak	16:00 251	15:00 34	15:00 29	21:00 8	16:00 1	14:00 7	14:00 27	16:00 48	16:00 120	16:00 61	15:00 15	17:00 2	16:00 1	- 0	16:00 1	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 1 East site

Site Ref. 660501

Site No. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

08 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	7		25		0	0	2	2	1	1	1	0	0	0	0	0	0
01:00	6		33		0	0	0	0	1	4	1	0	0	0	0	0	0
02:00	5		31		0	0	0	1	1	1	2	0	0	0	0	0	0
03:00	11	36	29	7	0	1	0	3	2	2	2	1	0	0	0	0	0
04:00	8		29		0	0	0	2	2	4	0	0	0	0	0	0	0
05:00	17	37	31	7	0	1	2	1	2	7	1	2	1	0	0	0	0
06:00	96	34	28	6	0	3	8	12	36	26	8	0	2	1	0	0	0
07:00	76	34	29	5	0	0	3	16	24	25	8	0	0	0	0	0	0
08:00	74	33	28	5	0	0	3	14	30	22	5	0	0	0	0	0	0
09:00	69	32	27	5	1	1	3	12	34	17	1	0	0	0	0	0	0
10:00	91	32	26	6	0	2	12	30	28	14	4	1	0	0	0	0	0
11:00	61	32	27	5	0	0	3	14	29	13	1	1	0	0	0	0	0
12:00	54	31	25	5	1	2	6	14	21	8	2	0	0	0	0	0	0
13:00	36	32	25	7	0	1	5	15	6	8	1	0	0	0	0	0	0
14:00	50	33	27	6	0	2	4	16	15	8	4	0	1	0	0	0	0
15:00	32	29	25	5	0	1	3	14	10	4	0	0	0	0	0	0	0
16:00	44	33	28	5	0	1	1	11	18	11	1	1	0	0	0	0	0
17:00	31	32	27	5	0	1	2	12	9	4	2	0	0	1	0	0	0
18:00	59	36	27	9	0	5	5	13	17	8	7	3	1	0	0	0	0
19:00	20	32	25	6	0	0	3	9	3	3	2	0	0	0	0	0	0
20:00	23	34	26	8	1	0	5	4	7	2	2	2	0	0	0	0	0
21:00	23	37	30	7	0	1	2	3	4	6	7	0	0	0	0	0	0
22:00	15	30	24	6	1	0	5	3	3	2	0	1	0	0	0	0	0
23:00	7		26		0	0	1	2	2	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	677	33	27	6	2	16	50	181	241	142	36	6	2	1	0	0	0
16H(6-22)	839	33	27	6	3	20	68	209	291	179	55	8	4	2	0	0	0
18H(6-24)	861	33	27	6	4	20	74	214	296	183	55	9	4	2	0	0	0
24H(0-24)	915	34	27	6	4	22	78	223	305	202	62	12	5	2	0	0	0
AM Peak	06:00 96	05:00 37	01:00 33	03:00 7	09:00 1	06:00 3	10:00 12	10:00 30	06:00 36	06:00 26	07:00 8	05:00 2	06:00 2	06:00 1	- 0	- 0	- 0
PM Peak	18:00 59	21:00 37	21:00 30	18:00 9	22:00 1	18:00 5	12:00 6	14:00 16	12:00 21	16:00 11	21:00 7	18:00 3	18:00 1	17:00 1	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

08 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	6		25		0	1	0	1	3	1	0	0	0	0	0	0	0
01:00	5		26		0	0	1	2	1	0	1	0	0	0	0	0	0
02:00	7		30		0	0	0	1	1	5	0	0	0	0	0	0	0
03:00	12	33	29	4	0	0	0	3	3	6	0	0	0	0	0	0	0
04:00	8		28		0	0	0	0	7	1	0	0	0	0	0	0	0
05:00	6		24		0	0	2	1	2	1	0	0	0	0	0	0	0
06:00	22	36	29	7	0	1	3	1	8	4	4	1	0	0	0	0	0
07:00	73	33	28	5	0	1	4	9	35	20	2	2	0	0	0	0	0
08:00	42	32	27	6	0	2	4	7	17	10	2	0	0	0	0	0	0
09:00	58	33	27	5	0	1	2	13	26	12	4	0	0	0	0	0	0
10:00	74	31	26	6	1	2	8	18	29	15	1	0	0	0	0	0	0
11:00	100	30	25	5	0	3	10	39	35	10	3	0	0	0	0	0	0
12:00	66	30	25	5	0	2	18	11	25	7	1	2	0	0	0	0	0
13:00	48	25	21	4	0	2	22	16	3	5	0	0	0	0	0	0	0
14:00	63	32	24	8	0	7	16	9	16	11	3	1	0	0	0	0	0
15:00	49	31	24	6	0	1	14	13	12	8	0	1	0	0	0	0	0
16:00	60	31	25	6	0	1	16	15	17	8	3	0	0	0	0	0	0
17:00	36	29	23	6	0	3	9	9	10	5	0	0	0	0	0	0	0
18:00	41	32	25	7	0	3	10	7	11	7	3	0	0	0	0	0	0
19:00	52	36	29	7	0	1	6	8	13	14	8	2	0	0	0	0	0
20:00	23	31	26	5	0	0	7	2	9	3	2	0	0	0	0	0	0
21:00	33	32	25	7	0	2	5	10	7	8	1	0	0	0	0	0	0
22:00	32	29	23	5	0	2	7	11	8	3	1	0	0	0	0	0	0
23:00	6		25		0	0	2	1	1	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	710	32	25	7	1	28	133	166	236	118	22	6	0	0	0	0	0
16H(6-22)	840	32	25	7	1	32	154	187	273	147	37	9	0	0	0	0	0
18H(6-24)	878	32	25	7	1	34	163	199	282	152	38	9	0	0	0	0	0
24H(0-24)	922	32	25	7	1	35	166	207	299	166	39	9	0	0	0	0	0
AM Peak	11:00 100	06:00 36	02:00 30	06:00 7	10:00 1	11:00 3	11:00 10	11:00 39	11:00 35	07:00 20	09:00 4	07:00 2	- 0	- 0	- 0	- 0	- 0
PM Peak	12:00 66	19:00 36	19:00 29	14:00 8	- 0	14:00 7	13:00 22	13:00 16	12:00 25	19:00 14	19:00 8	19:00 2	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

02 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	3		7		3	0	0	0	0	0	0	0	0	0	0	0	0
01:00	3		31		0	0	1	0	0	0	2	0	0	0	0	0	0
02:00	3		23		0	0	0	3	0	0	0	0	0	0	0	0	0
03:00	1		38		0	0	0	0	0	0	1	0	0	0	0	0	0
04:00	3		26		0	0	0	1	2	0	0	0	0	0	0	0	0
05:00	6		31		0	0	1	0	2	0	3	0	0	0	0	0	0
06:00	45	37	29	8	1	1	6	6	8	13	6	4	0	0	0	0	0
07:00	14	30	26	4	0	1	2	4	4	0	3	0	0	0	0	0	0
08:00	13	29	23	6	0	3	1	2	5	2	0	0	0	0	0	0	0
09:00	24	34	27	7	0	0	5	6	7	2	0	4	0	0	0	0	0
10:00	32	30	24	5	0	0	6	14	7	5	0	0	0	0	0	0	0
11:00	32	28	23	5	0	3	6	14	5	3	0	1	0	0	0	0	0
12:00	16	26	22	4	0	0	5	7	4	0	0	0	0	0	0	0	0
13:00	22	27	22	5	0	3	4	8	6	0	1	0	0	0	0	0	0
14:00	30	27	23	4	0	2	5	15	6	2	0	0	0	0	0	0	0
15:00	13	29	26	3	0	0	2	2	7	2	0	0	0	0	0	0	0
16:00	10	26	23	3	0	0	3	4	2	1	0	0	0	0	0	0	0
17:00	20	33	25	9	3	0	3	2	6	3	3	0	0	0	0	0	0
18:00	50	36	28	8	0	3	4	8	18	8	6	3	0	0	0	0	0
19:00	13	23	19	4	0	3	4	5	1	0	0	0	0	0	0	0	0
20:00	14	30	24	6	0	1	3	4	3	3	0	0	0	0	0	0	0
21:00	9		27		0	0	2	2	3	0	0	2	0	0	0	0	0
22:00	12	35	24	12	0	3	3	1	1	1	3	0	0	0	0	0	0
23:00	6		28		0	0	0	1	3	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	276	31	25	7	3	15	46	86	77	28	13	8	0	0	0	0	0
16H(6-22)	357	33	25	8	4	20	61	103	92	44	19	14	0	0	0	0	0
18H(6-24)	375	33	25	8	4	23	64	105	96	47	22	14	0	0	0	0	0
24H(0-24)	394	33	25	8	7	23	66	109	100	47	28	14	0	0	0	0	0
AM Peak	06:00 45	06:00 37	03:00 38	06:00 8	00:00 3	11:00 3	11:00 6	11:00 14	06:00 8	06:00 13	06:00 6	09:00 4	- 0	- 0	- 0	- 0	- 0
PM Peak	18:00 50	18:00 36	23:00 28	22:00 12	17:00 3	22:00 3	14:00 5	14:00 15	18:00 18	18:00 8	18:00 6	18:00 3	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660502

Site Ref. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

02 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	2		13		0	2	0	0	0	0	0	0	0	0	0	0	0
01:00	2		38		0	0	0	0	0	0	2	0	0	0	0	0	0
02:00	2		17		0	1	0	1	0	0	0	0	0	0	0	0	0
03:00	3		26		0	0	0	1	2	0	0	0	0	0	0	0	0
04:00	4		24		0	0	1	1	2	0	0	0	0	0	0	0	0
05:00	2		25		0	0	0	1	1	0	0	0	0	0	0	0	0
06:00	12	35	29	7	0	0	3	0	3	3	3	0	0	0	0	0	0
07:00	32	33	26	6	0	3	1	8	11	6	3	0	0	0	0	0	0
08:00	9		28		0	0	1	2	3	1	2	0	0	0	0	0	0
09:00	12	20	18	2	0	2	8	1	1	0	0	0	0	0	0	0	0
10:00	23	31	26	5	0	0	3	8	7	3	2	0	0	0	0	0	0
11:00	37	32	24	7	0	4	7	8	9	7	2	0	0	0	0	0	0
12:00	28	26	21	5	2	0	12	8	4	0	2	0	0	0	0	0	0
13:00	26	27	20	7	3	4	5	7	6	0	1	0	0	0	0	0	0
14:00	27	23	20	3	0	2	15	8	1	0	1	0	0	0	0	0	0
15:00	21	30	23	7	0	2	7	4	4	1	3	0	0	0	0	0	0
16:00	17	22	18	4	0	4	8	5	0	0	0	0	0	0	0	0	0
17:00	21	25	21	4	0	0	11	6	4	0	0	0	0	0	0	0	0
18:00	22	30	24	6	2	0	4	5	7	1	3	0	0	0	0	0	0
19:00	37	33	26	7	2	0	5	7	12	7	4	0	0	0	0	0	0
20:00	16	26	22	4	0	0	7	5	4	0	0	0	0	0	0	0	0
21:00	16	24	20	3	0	1	6	8	1	0	0	0	0	0	0	0	0
22:00	21	27	22	5	0	3	3	8	7	0	0	0	0	0	0	0	0
23:00	3		26		0	0	0	1	2	0	0	0	0	0	0	0	0
Total																	
12H(7-19)	275	30	23	7	7	21	82	70	57	19	19	0	0	0	0	0	0
16H(6-22)	356	30	23	7	9	22	103	90	77	29	26	0	0	0	0	0	0
18H(6-24)	380	30	23	7	9	25	106	99	86	29	26	0	0	0	0	0	0
24H(0-24)	395	30	23	7	9	28	107	103	91	29	28	0	0	0	0	0	0
AM Peak	11:00 37	06:00 35	01:00 38	11:00 7	- 0	11:00 4	09:00 8	11:00 8	07:00 11	11:00 7	07:00 3	- 0	- 0	- 0	- 0	- 0	- 0
PM Peak	19:00 37	19:00 33	19:00 26	19:00 7	13:00 3	16:00 4	14:00 15	22:00 8	19:00 12	19:00 7	19:00 4	- 0	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

03 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	3		43		0	0	0	0	0	0	0	3	0	0	0	0	0
01:00	2		18		0	0	2	0	0	0	0	0	0	0	0	0	0
02:00	6		23		0	0	0	6	0	0	0	0	0	0	0	0	0
03:00	12	47	38		0	0	0	3	0	2	0	3	4	0	0	0	0
04:00	13	40	33	8	0	0	0	4	1	2	3	3	0	0	0	0	0
05:00	77	35	28	7	0	3	3	27	14	18	7	3	2	0	0	0	0
06:00	173	33	27	6	0	0	9	47	71	34	9	3	0	0	0	0	0
07:00	246	32	27	5	0	6	10	68	111	41	6	0	4	0	0	0	0
08:00	271	31	27	5	0	8	11	73	129	39	7	4	0	0	0	0	0
09:00	150	30	25	5	0	4	17	52	52	22	3	0	0	0	0	0	0
10:00	48	25	23	2	0	0	5	37	3	3	0	0	0	0	0	0	0
11:00	107	30	26	4	0	1	7	40	46	10	3	0	0	0	0	0	0
12:00	38	32	26	6	0	0	0	25	4	6	3	0	0	0	0	0	0
13:00	107	33	26	7	4	3	9	39	25	17	6	0	4	0	0	0	0
14:00	75	33	27	6	0	0	7	26	19	20	3	0	0	0	0	0	0
15:00	72	34	27	7	0	3	5	27	15	15	4	0	3	0	0	0	0
16:00	75	32	26	6	0	4	3	29	23	9	7	0	0	0	0	0	0
17:00	82	32	26	6	0	1	7	34	22	15	3	0	0	0	0	0	0
18:00	82	33	27	7	4	0	3	23	27	18	7	0	0	0	0	0	0
19:00	45	30	23	7	0	4	7	23	3	8	0	0	0	0	0	0	0
20:00	16	24	23	2	0	0	3	11	1	0	1	0	0	0	0	0	0
21:00	23	34	27	7	0	0	3	7	5	5	3	0	0	0	0	0	0
22:00	8		21		0	1	0	7	0	0	0	0	0	0	0	0	0
23:00	10	29	24	5	0	0	3	3	2	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	1353	32	26	6	8	30	84	473	476	215	52	4	11	0	0	0	0
16H(6-22)	1610	32	26	6	8	34	106	561	556	262	65	7	11	0	0	0	0
18H(6-24)	1628	32	26	6	8	35	109	571	558	264	65	7	11	0	0	0	0
24H(0-24)	1741	32	26	6	8	38	114	611	573	286	75	19	17	0	0	0	0
AM Peak	08:00 271	03:00 47	00:00 43	03:00 9	- 0	08:00 8	09:00 17	08:00 73	08:00 129	07:00 41	06:00 9	08:00 4	07:00 4	- 0	- 0	- 0	- 0
PM Peak	13:00 107	21:00 34	21:00 27	19:00 7	18:00 4	19:00 4	13:00 9	13:00 39	18:00 27	14:00 20	18:00 7	- 0	13:00 4	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660502

Site Ref. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

03 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	1		12		0	1	0	0	0	0	0	0	0	0	0	0	0
01:00	3		27		0	0	0	1	1	1	0	0	0	0	0	0	0
02:00	4		22		0	0	1	3	0	0	0	0	0	0	0	0	0
03:00	1		22		0	0	0	1	0	0	0	0	0	0	0	0	0
04:00	7		29		0	0	0	2	1	4	0	0	0	0	0	0	0
05:00	16	32	26	6	0	0	3	4	3	6	0	0	0	0	0	0	0
06:00	61	31	26	5	0	0	7	29	13	8	1	0	3	0	0	0	0
07:00	104	30	25	5	1	5	9	44	31	9	3	2	0	0	0	0	0
08:00	89	28	23	5	0	3	13	51	14	6	2	0	0	0	0	0	0
09:00	74	29	25	4	0	0	7	37	23	6	1	0	0	0	0	0	0
10:00	35	24	22	2	0	0	5	27	3	0	0	0	0	0	0	0	0
11:00	139	30	25	5	0	4	14	59	42	13	3	4	0	0	0	0	0
12:00	46	27	23	5	3	0	5	27	7	3	1	0	0	0	0	0	0
13:00	114	30	24	5	0	3	18	44	32	14	3	0	0	0	0	0	0
14:00	99	32	26	6	0	2	9	25	40	19	4	0	0	0	0	0	0
15:00	134	32	26	5	0	1	9	47	48	24	5	0	0	0	0	0	0
16:00	248	33	27	6	0	3	14	56	99	67	9	0	0	0	0	0	0
17:00	231	32	25	6	7	16	8	68	84	38	10	0	0	0	0	0	0
18:00	97	33	27	6	0	3	7	27	32	20	6	2	0	0	0	0	0
19:00	87	35	28	7	0	3	9	19	22	22	9	3	0	0	0	0	0
20:00	31	33	24	9	0	3	7	13	0	4	4	0	0	0	0	0	0
21:00	29	31	24	7	0	4	6	5	8	5	0	1	0	0	0	0	0
22:00	42	33	24	9	0	0	14	19	0	3	6	0	0	0	0	0	0
23:00	10	34	26	8	0	2	1	2	0	3	2	0	0	0	0	0	0
Total																	
12H(7-19)	1410	32	25	6	11	40	118	512	455	219	47	8	0	0	0	0	0
16H(6-22)	1618	32	26	6	11	50	147	578	498	258	61	12	3	0	0	0	0
18H(6-24)	1670	32	25	6	11	52	162	599	498	264	69	12	3	0	0	0	0
24H(0-24)	1702	32	25	6	11	53	166	610	503	275	69	12	3	0	0	0	0
AM Peak	11:00 139	05:00 32	04:00 29	05:00 6	07:00 1	07:00 5	11:00 14	11:00 59	11:00 42	11:00 13	11:00 3	11:00 4	06:00 3	- 0	- 0	- 0	- 0
PM Peak	16:00 248	19:00 35	19:00 28	20:00 9	17:00 7	17:00 16	13:00 18	17:00 68	16:00 99	16:00 67	17:00 10	19:00 3	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

04 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	4		32		0	0	0	0	1	3	0	0	0	0	0	0	0
01:00	3		37		0	0	0	0	0	0	3	0	0	0	0	0	0
02:00	11	41	31	9	0	3	0	0	1	0	4	3	0	0	0	0	0
03:00	8		31		0	3	0	0	2	0	0	0	0	3	0	0	0
04:00	13	29	26	2	0	0	0	3	10	0	0	0	0	0	0	0	0
05:00	78	35	28	7	0	4	3	26	9	24	8	4	0	0	0	0	0
06:00	181	34	27	6	0	4	13	55	48	47	11	0	3	0	0	0	0
07:00	279	34	28	5	4	3	12	46	123	69	15	3	4	0	0	0	0
08:00	321	33	28	5	0	4	9	87	125	77	12	4	3	0	0	0	0
09:00	178	32	26	6	0	3	17	55	64	35	4	0	0	0	0	0	0
10:00	146	31	25	6	0	3	15	63	38	22	5	0	0	0	0	0	0
11:00	133	30	25	5	0	0	11	59	42	17	4	0	0	0	0	0	0
12:00	107	33	27	6	0	0	7	44	29	18	5	0	4	0	0	0	0
13:00	99	34	27	7	0	3	10	38	19	17	5	3	4	0	0	0	0
14:00	88	30	22	7	3	5	16	47	3	10	4	0	0	0	0	0	0
15:00	86	31	25	6	0	0	7	44	18	13	4	0	0	0	0	0	0
16:00	83	33	26	7	0	0	6	39	13	21	4	0	0	0	0	0	0
17:00	73	34	26	7	0	4	4	31	11	16	4	3	0	0	0	0	0
18:00	84	33	26	7	0	3	6	40	9	22	4	0	0	0	0	0	0
19:00	54	27	21	5	3	3	12	24	9	3	0	0	0	0	0	0	0
20:00	23	35	27	7	0	0	4	6	5	4	4	0	0	0	0	0	0
21:00	20	33	25	8	0	3	3	3	5	3	3	0	0	0	0	0	0
22:00	9		22		0	0	3	3	3	0	0	0	0	0	0	0	0
23:00	9		26		0	0	3	0	2	4	0	0	0	0	0	0	0
Total																	
12H(7-19)	1677	33	26	6	7	28	120	593	494	337	70	13	15	0	0	0	0
16H(6-22)	1955	33	26	6	10	38	152	681	561	394	88	13	18	0	0	0	0
18H(6-24)	1973	33	26	6	10	38	158	684	566	398	88	13	18	0	0	0	0
24H(0-24)	2090	33	26	7	10	48	161	713	589	425	103	20	18	3	0	0	0
AM Peak	08:00 321	02:00 41	01:00 37	02:00 9	07:00 4	08:00 4	09:00 17	08:00 87	08:00 125	08:00 77	07:00 15	08:00 4	07:00 4	03:00 3	- 0	- 0	- 0
PM Peak	12:00 107	20:00 35	20:00 27	21:00 8	19:00 3	14:00 5	14:00 16	14:00 47	12:00 29	18:00 22	13:00 5	17:00 3	13:00 4	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No.

660502 64.98716

Site Ref.

660502

Site 1

Speed Report (Speed Limit 30 Mph)

04 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	1		8		1	0	0	0	0	0	0	0	0	0	0	0	0
01:00	3		37		0	0	0	0	0	0	3	0	0	0	0	0	0
02:00	7		33		0	0	0	0	0	7	0	0	0	0	0	0	0
03:00	2		38		0	0	0	0	0	0	2	0	0	0	0	0	0
04:00	14	30	26	4	0	0	0	7	4	3	0	0	0	0	0	0	0
05:00	21	35	26	9	0	3	4	2	3	5	4	0	0	0	0	0	0
06:00	65	33	27	6	0	0	3	24	18	16	4	0	0	0	0	0	0
07:00	124	30	26	5	0	4	9	51	40	14	3	0	3	0	0	0	0
08:00	84	30	26	4	0	1	4	31	35	13	0	0	0	0	0	0	0
09:00	79	31	25	6	0	4	6	35	19	12	3	0	0	0	0	0	0
10:00	128	29	25	5	0	4	12	59	40	9	0	4	0	0	0	0	0
11:00	176	29	25	5	0	0	18	84	58	16	0	0	0	0	0	0	0
12:00	140	31	25	6	0	3	18	49	44	23	3	0	0	0	0	0	0
13:00	104	30	25	5	0	3	17	30	37	14	3	0	0	0	0	0	0
14:00	122	30	24	6	0	8	18	47	33	12	4	0	0	0	0	0	0
15:00	122	30	24	6	4	4	11	54	33	13	3	0	0	0	0	0	0
16:00	301	30	26	4	0	4	23	78	150	43	3	0	0	0	0	0	0
17:00	221	30	25	4	8	3	20	42	122	22	1	3	0	0	0	0	0
18:00	124	33	28	6	0	3	9	26	44	34	5	3	0	0	0	0	0
19:00	67	32	25	7	0	3	9	26	11	15	3	0	0	0	0	0	0
20:00	31	29	24	5	0	0	4	16	7	4	0	0	0	0	0	0	0
21:00	31	34	24	9	0	3	6	12	0	6	4	0	0	0	0	0	0
22:00	72	25	21	3	0	3	20	42	4	3	0	0	0	0	0	0	0
23:00	6		25		0	0	3	0	0	3	0	0	0	0	0	0	0
Total																	
12H(7-19)	1725	30	25	5	12	41	165	586	655	225	28	10	3	0	0	0	0
16H(6-22)	1919	31	25	5	12	47	187	664	691	266	39	10	3	0	0	0	0
18H(6-24)	1997	31	25	5	12	50	210	706	695	272	39	10	3	0	0	0	0
24H(0-24)	2045	31	25	6	13	53	214	715	702	287	48	10	3	0	0	0	0
AM Peak	11:00 176	05:00 35	03:00 38	05:00 9	00:00 1	10:00 4	11:00 18	11:00 84	11:00 58	11:00 16	06:00 4	10:00 4	07:00 3	- 0	- 0	- 0	- 0
PM Peak	16:00 301	21:00 34	18:00 28	21:00 9	17:00 8	14:00 8	16:00 23	16:00 78	16:00 150	16:00 43	18:00 5	18:00 3	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

05 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	6		34		0	0	0	0	1	2	3	0	0	0	0	0	0
01:00	4		26		0	0	0	1	3	0	0	0	0	0	0	0	0
02:00	13	40	33	7	0	0	1	0	4	2	3	3	0	0	0	0	0
03:00	7		27		0	1	0	0	4	2	0	0	0	0	0	0	0
04:00	13	33	30	3	0	0	1	0	5	7	0	0	0	0	0	0	0
05:00	71	34	28	6	0	3	0	28	1	32	5	2	0	0	0	0	0
06:00	185	34	28	6	0	3	6	52	58	54	7	5	0	0	0	0	0
07:00	270	33	28	5	0	3	4	59	134	56	10	4	0	0	0	0	0
08:00	331	33	28	6	0	6	14	73	131	89	15	3	0	0	0	0	0
09:00	192	32	26	6	0	6	19	55	69	34	9	0	0	0	0	0	0
10:00	144	31	26	5	0	4	14	56	44	18	4	0	4	0	0	0	0
11:00	105	33	26	7	3	1	7	41	27	18	5	3	0	0	0	0	0
12:00	97	33	27	6	0	0	5	39	23	23	5	2	0	0	0	0	0
13:00	109	33	26	6	0	1	6	45	31	17	9	0	0	0	0	0	0
14:00	91	33	25	8	4	4	7	39	9	23	3	2	0	0	0	0	0
15:00	73	32	25	8	0	4	6	39	5	15	4	0	0	0	0	0	0
16:00	83	34	27	7	0	4	0	32	18	18	8	3	0	0	0	0	0
17:00	72	33	26	7	0	3	4	29	16	16	4	0	0	0	0	0	0
18:00	89	35	28	7	0	0	8	39	10	18	7	4	3	0	0	0	0
19:00	50	30	24	6	0	4	12	16	10	4	4	0	0	0	0	0	0
20:00	20	39	31	8	0	0	2	3	5	3	4	3	0	0	0	0	0
21:00	35	32	26	7	0	0	5	15	7	4	4	0	0	0	0	0	0
22:00	8		24		0	0	3	2	1	2	0	0	0	0	0	0	0
23:00	6		34		0	0	0	0	1	2	3	0	0	0	0	0	0
Total																	
12H(7-19)	1656	33	27	6	7	36	94	546	517	345	83	21	7	0	0	0	0
16H(6-22)	1946	33	27	6	7	43	119	632	597	410	102	29	7	0	0	0	0
18H(6-24)	1960	33	27	6	7	43	122	634	599	414	105	29	7	0	0	0	0
24H(0-24)	2074	33	27	7	7	47	124	663	617	459	116	34	7	0	0	0	0
AM Peak	08:00 331	02:00 40	00:00 34	02:00 7	11:00 3	09:00 6	09:00 19	08:00 73	07:00 134	08:00 89	08:00 15	06:00 5	10:00 4	- 0	- 0	- 0	- 0
PM Peak	13:00 109	20:00 39	23:00 34	14:00 8	14:00 4	19:00 4	19:00 12	13:00 45	13:00 31	14:00 23	13:00 9	18:00 4	18:00 3	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660502

Site Ref. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

05 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	2		33		0	0	0	0	0	2	0	0	0	0	0	0	0
01:00	5		23		0	0	2	0	3	0	0	0	0	0	0	0	0
02:00	5		28		0	0	0	0	5	0	0	0	0	0	0	0	0
03:00	5		31		0	0	0	0	2	3	0	0	0	0	0	0	0
04:00	14	32	29	3	0	0	0	0	9	5	0	0	0	0	0	0	0
05:00	14	31	27	4	0	0	3	0	7	4	0	0	0	0	0	0	0
06:00	68	31	25	6	0	0	4	39	11	11	3	0	0	0	0	0	0
07:00	103	31	25	6	0	0	10	48	25	18	2	0	0	0	0	0	0
08:00	100	31	26	5	0	3	4	40	34	15	4	0	0	0	0	0	0
09:00	90	32	26	6	0	3	4	39	24	16	4	0	0	0	0	0	0
10:00	122	30	25	6	0	4	13	52	33	16	4	0	0	0	0	0	0
11:00	144	30	24	6	2	2	18	65	33	20	4	0	0	0	0	0	0
12:00	144	30	25	5	0	4	20	50	48	18	4	0	0	0	0	0	0
13:00	115	31	25	5	0	4	12	40	39	15	3	2	0	0	0	0	0
14:00	133	32	26	6	0	5	14	44	39	24	7	0	0	0	0	0	0
15:00	135	32	26	6	0	4	9	51	38	30	3	0	0	0	0	0	0
16:00	297	31	26	5	4	5	13	95	121	51	5	3	0	0	0	0	0
17:00	277	33	27	5	0	3	13	68	120	56	13	4	0	0	0	0	0
18:00	93	34	28	7	0	2	7	33	10	30	5	4	2	0	0	0	0
19:00	78	33	25	8	0	4	8	36	4	21	5	0	0	0	0	0	0
20:00	30	36	28	8	0	0	6	5	7	6	3	3	0	0	0	0	0
21:00	60	30	22	8	0	4	25	13	8	7	3	0	0	0	0	0	0
22:00	31	36	28	8	0	0	8	6	5	6	2	0	4	0	0	0	0
23:00	7		22		0	0	4	0	3	0	0	0	0	0	0	0	0
Total																	
12H(7-19)	1753	32	26	6	6	39	137	625	564	309	58	13	2	0	0	0	0
16H(6-22)	1989	32	26	6	6	47	180	718	594	354	72	16	2	0	0	0	0
18H(6-24)	2027	32	26	6	6	47	192	724	602	360	74	16	6	0	0	0	0
24H(0-24)	2072	32	26	6	6	47	197	724	628	374	74	16	6	0	0	0	0
AM Peak	11:00 144	04:00 32	00:00 33	09:00 6	11:00 2	10:00 4	11:00 18	11:00 65	08:00 34	11:00 20	11:00 4	- 0	- 0	- 0	- 0	- 0	- 0
PM Peak	16:00 297	22:00 36	22:00 28	19:00 8	16:00 4	16:00 5	21:00 25	16:00 95	16:00 121	17:00 56	17:00 13	18:00 4	22:00 4	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

06 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	7		25		0	0	0	4	3	0	0	0	0	0	0	0	0
01:00	0				0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	13	36	30	6	0	0	0	3	4	2	4	0	0	0	0	0	0
03:00	8		27		0	2	0	0	3	0	3	0	0	0	0	0	0
04:00	15	40	30	10	0	3	0	2	3	0	4	3	0	0	0	0	0
05:00	52	37	29	8	0	2	3	13	9	13	9	3	0	0	0	0	0
06:00	186	34	28	6	2	4	7	42	58	55	15	3	0	0	0	0	0
07:00	278	32	27	5	0	6	9	64	136	49	14	0	0	0	0	0	0
08:00	298	32	27	5	1	0	20	99	114	51	7	4	2	0	0	0	0
09:00	204	30	24	6	0	4	30	97	43	22	5	3	0	0	0	0	0
10:00	139	31	25	6	0	3	17	58	36	17	8	0	0	0	0	0	0
11:00	137	31	25	6	0	4	9	64	36	20	4	0	0	0	0	0	0
12:00	95	33	26	7	0	4	6	40	17	19	7	2	0	0	0	0	0
13:00	95	34	27	7	0	0	9	38	19	19	7	0	3	0	0	0	0
14:00	84	34	26	7	4	1	5	33	7	27	3	4	0	0	0	0	0
15:00	86	31	25	6	0	4	4	48	13	12	2	3	0	0	0	0	0
16:00	123	32	25	6	0	4	9	62	23	19	3	3	0	0	0	0	0
17:00	72	33	24	8	3	2	6	42	2	10	4	3	0	0	0	0	0
18:00	89	32	24	8	2	4	9	46	8	17	3	0	0	0	0	0	0
19:00	41	34	24	9	0	4	11	10	6	4	3	3	0	0	0	0	0
20:00	17	41	30	11	0	0	3	1	6	3	0	4	0	0	0	0	0
21:00	24	37	30	7	0	0	0	6	9	3	3	3	0	0	0	0	0
22:00	9		27		0	0	1	3	3	0	2	0	0	0	0	0	0
23:00	9		25		0	1	2	0	4	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	1700	32	26	6	10	36	133	691	454	282	67	22	5	0	0	0	0
16H(6-22)	1968	33	26	7	12	44	154	750	533	347	88	35	5	0	0	0	0
18H(6-24)	1986	33	26	7	12	45	157	753	540	349	90	35	5	0	0	0	0
24H(0-24)	2081	33	26	7	12	52	160	775	562	364	110	41	5	0	0	0	0
AM Peak	08:00 298	04:00 40	02:00 30	04:00 10	06:00 2	07:00 6	09:00 30	08:00 99	07:00 136	06:00 55	06:00 15	08:00 4	08:00 2	- 0	- 0	- 99	- 0
PM Peak	16:00 123	20:00 41	21:00 30	20:00 11	14:00 4	19:00 4	19:00 11	16:00 62	16:00 23	14:00 27	13:00 7	20:00 4	13:00 3	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No. 660502

Site Ref. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

06 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		21		0	0	2	3	0	0	0	0	0	0	0	0	0
01:00	3		37		0	0	0	0	0	0	3	0	0	0	0	0	0
02:00	8		28		0	0	2	0	3	1	2	0	0	0	0	0	0
03:00	6		32		0	0	0	1	3	0	0	2	0	0	0	0	0
04:00	14	36	29	7	0	0	2	4	0	4	4	0	0	0	0	0	0
05:00	16	41	32	9	0	0	0	3	5	4	0	4	0	0	0	0	0
06:00	48	33	26	6	0	0	0	30	2	16	0	0	0	0	0	0	0
07:00	118	31	25	6	0	3	9	47	37	18	4	0	0	0	0	0	0
08:00	84	31	25	5	0	0	4	45	20	12	3	0	0	0	0	0	0
09:00	124	30	24	6	0	3	28	56	18	15	4	0	0	0	0	0	0
10:00	104	30	24	6	0	4	14	50	20	13	3	0	0	0	0	0	0
11:00	183	29	24	5	0	4	38	80	42	15	4	0	0	0	0	0	0
12:00	150	31	25	6	0	4	21	52	46	24	3	0	0	0	0	0	0
13:00	108	32	26	7	0	3	9	47	20	25	4	0	0	0	0	0	0
14:00	106	33	26	7	0	0	16	43	14	25	8	0	0	0	0	0	0
15:00	163	32	26	6	0	4	11	58	56	27	3	4	0	0	0	0	0
16:00	262	30	25	5	7	3	23	104	87	35	3	0	0	0	0	0	0
17:00	235	30	25	6	8	9	24	68	88	31	4	3	0	0	0	0	0
18:00	92	32	24	8	0	3	24	37	6	19	3	0	0	0	0	0	0
19:00	76	31	25	7	0	5	6	33	16	14	2	0	0	0	0	0	0
20:00	35	30	22	7	0	4	11	7	7	6	0	0	0	0	0	0	0
21:00	65	32	25	7	0	0	12	31	6	12	4	0	0	0	0	0	0
22:00	42	27	22	5	0	3	14	17	2	4	2	0	0	0	0	0	0
23:00	13	25	19	6	0	4	4	2	3	0	0	0	0	0	0	0	0
Total																	
12H(7-19)	1729	31	25	6	15	40	221	687	454	259	46	7	0	0	0	0	0
16H(6-22)	1953	31	25	6	15	49	250	788	485	307	52	7	0	0	0	0	0
18H(6-24)	2008	31	25	7	15	56	268	807	490	311	54	7	0	0	0	0	0
24H(0-24)	2060	31	25	7	15	56	274	818	501	320	63	13	0	0	0	0	0
AM Peak	11:00 183	05:00 41	01:00 37	05:00 9	- 0	11:00 4	11:00 38	11:00 80	11:00 42	07:00 18	11:00 4	05:00 4	- 0	- 0	- 0	- 0	- 0
PM Peak	16:00 262	14:00 33	15:00 26	18:00 8	17:00 8	17:00 9	18:00 24	16:00 104	17:00 88	16:00 35	14:00 8	15:00 4	- 0	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

07 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	7		45		0	0	0	0	1	0	2	0	0	4	0	0	0
01:00	1		22		0	0	0	1	0	0	0	0	0	0	0	0	0
02:00	12	40	36	5	0	0	0	1	1	3	4	3	0	0	0	0	0
03:00	7		29		0	1	0	1	2	0	3	0	0	0	0	0	0
04:00	14	51	38	13	0	0	0	1	4	2	0	3	0	4	0	0	0
05:00	72	34	28	6	0	0	3	32	8	21	4	4	0	0	0	0	0
06:00	180	34	28	6	0	4	5	51	53	49	15	3	0	0	0	0	0
07:00	229	33	28	5	0	4	5	53	106	46	12	3	0	0	0	0	0
08:00	249	33	27	6	0	4	9	67	103	51	11	4	0	0	0	0	0
09:00	163	31	27	5	0	0	13	45	75	20	6	4	0	0	0	0	0
10:00	127	32	26	6	0	0	9	52	34	26	6	0	0	0	0	0	0
11:00	132	32	27	5	0	0	11	48	47	14	4	4	4	0	0	0	0
12:00	111	33	26	7	0	4	9	38	29	21	10	0	0	0	0	0	0
13:00	110	34	27	7	0	4	7	40	25	23	8	3	0	0	0	0	0
14:00	74	31	25	7	3	0	7	33	16	11	4	0	0	0	0	0	0
15:00	78	33	27	7	0	0	7	33	18	11	6	3	0	0	0	0	0
16:00	73	33	26	7	0	4	3	33	15	11	3	4	0	0	0	0	0
17:00	63	34	27	6	0	0	3	27	10	17	4	0	2	0	0	0	0
18:00	71	34	25	9	4	4	7	34	2	11	4	2	3	0	0	0	0
19:00	33	33	27	6	0	1	4	10	8	6	0	4	0	0	0	0	0
20:00	22	32	26	5	0	0	4	5	8	2	3	0	0	0	0	0	0
21:00	21	34	29	5	0	0	1	5	4	8	3	0	0	0	0	0	0
22:00	8		21		0	1	3	2	2	0	0	0	0	0	0	0	0
23:00	15	34	27	7	0	0	3	5	3	1	0	3	0	0	0	0	0
Total																	
12H(7-19)	1480	33	27	6	7	24	90	503	480	262	78	27	9	0	0	0	0
16H(6-22)	1736	33	27	6	7	29	104	574	553	327	99	34	9	0	0	0	0
18H(6-24)	1759	33	27	6	7	30	110	581	558	328	99	37	9	0	0	0	0
24H(0-24)	1872	34	27	7	7	31	113	617	574	354	112	47	9	8	0	0	0
AM Peak	08:00 249	04:00 51	00:00 45	04:00 13	- 0	08:00 4	09:00 13	08:00 67	07:00 106	08:00 51	06:00 15	11:00 4	11:00 4	04:00 4	- 0	- 0	- 0
PM Peak	12:00 111	21:00 34	21:00 29	18:00 9	18:00 4	18:00 4	12:00 9	13:00 40	12:00 29	13:00 23	12:00 10	19:00 4	18:00 3	- 0	- 0	- 0	- 0

PCC Traffic Information Consultancy Ltd.

Site No.

660502 64.98716

Site Ref.

660502

Site 1

Speed Report (Speed Limit 30 Mph)

07 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		25		0	0	0	2	3	0	0	0	0	0	0	0	0
01:00	3		17		0	0	3	0	0	0	0	0	0	0	0	0	0
02:00	5		24		0	0	0	4	1	0	0	0	0	0	0	0	0
03:00	3		17		0	0	3	0	0	0	0	0	0	0	0	0	0
04:00	19	32	27	4	0	0	3	0	10	6	0	0	0	0	0	0	0
05:00	14	29	25	3	0	0	3	0	11	0	0	0	0	0	0	0	0
06:00	59	34	26	8	4	0	3	24	9	12	4	3	0	0	0	0	0
07:00	134	32	25	7	4	3	16	57	22	25	3	0	4	0	0	0	0
08:00	96	33	26	6	0	0	4	45	22	20	3	2	0	0	0	0	0
09:00	94	32	26	6	0	0	5	42	25	18	4	0	0	0	0	0	0
10:00	138	31	26	5	0	2	13	55	43	18	4	3	0	0	0	0	0
11:00	151	30	25	5	3	4	15	49	56	20	4	0	0	0	0	0	0
12:00	139	32	25	7	0	6	17	57	27	24	4	4	0	0	0	0	0
13:00	123	32	26	6	0	0	12	51	34	23	3	0	0	0	0	0	0
14:00	146	32	25	7	0	6	26	43	35	33	3	0	0	0	0	0	0
15:00	127	34	28	7	3	3	4	37	29	36	11	4	0	0	0	0	0
16:00	222	33	28	5	0	0	10	59	83	56	4	3	4	0	3	0	0
17:00	146	34	28	6	0	3	7	41	44	40	7	4	0	0	0	0	0
18:00	89	33	26	7	0	3	8	32	16	25	5	0	0	0	0	0	0
19:00	64	34	26	8	0	4	5	29	2	18	6	0	0	0	0	0	0
20:00	23	34	26	8	0	3	5	0	8	3	4	0	0	0	0	0	0
21:00	30	34	26	8	0	3	4	6	7	6	4	0	0	0	0	0	0
22:00	49	35	26	9	0	4	5	22	2	8	4	4	0	0	0	0	0
23:00	9		30		0	0	0	1	5	0	3	0	0	0	0	0	0
Total																	
12H(7-19)	1605	33	26	6	10	30	137	568	436	338	55	20	8	0	3	0	0
16H(6-22)	1781	33	26	7	14	40	154	627	462	377	73	23	8	0	3	0	0
18H(6-24)	1839	33	26	7	14	44	159	650	469	385	80	27	8	0	3	0	0
24H(0-24)	1888	33	26	7	14	44	171	656	494	391	80	27	8	0	3	0	0
AM Peak	11:00 151	06:00 34	04:00 27	06:00 8	07:00 4	11:00 4	07:00 16	07:00 57	11:00 56	07:00 25	11:00 4	10:00 3	07:00 4	- 0	- 0	- 0	- 0
PM Peak	16:00 222	22:00 35	23:00 30	22:00 9	15:00 3	14:00 6	14:00 26	16:00 59	16:00 83	16:00 56	15:00 11	22:00 4	16:00 4	- 0	16:00 3	- 0	- 0

PCC Traffic Information Consultancy Ltd.



Barnard Road, Norwich ATC 2 West site

Site Ref. 660502

Site No. 660502

Site 1

Speed Report (Speed Limit 30 Mph)

08 Jun 2024

Channel: Westbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		29		0	0	0	3	0	0	2	0	0	0	0	0	0
01:00	5		34		0	0	0	0	1	2	2	0	0	0	0	0	0
02:00	5		28		0	0	0	1	2	2	0	0	0	0	0	0	0
03:00	9		33		0	2	0	0	1	0	3	3	0	0	0	0	0
04:00	7		28		0	0	0	1	4	2	0	0	0	0	0	0	0
05:00	14	46	30	16	0	3	3	0	1	0	3	0	4	0	0	0	0
06:00	77	35	29	6	0	3	4	17	27	14	4	0	4	4	0	0	0
07:00	61	34	28	6	0	0	4	22	2	29	4	0	0	0	0	0	0
08:00	61	33	27	6	0	0	3	20	22	12	4	0	0	0	0	0	0
09:00	56	32	25	6	3	3	1	18	19	8	4	0	0	0	0	0	0
10:00	73	30	25	5	0	2	6	28	26	8	3	0	0	0	0	0	0
11:00	48	32	27	5	0	0	0	19	19	6	4	0	0	0	0	0	0
12:00	44	28	22	6	3	4	4	20	10	3	0	0	0	0	0	0	0
13:00	29	31	24	7	0	4	4	11	4	3	3	0	0	0	0	0	0
14:00	41	35	26	9	0	4	3	18	6	3	3	0	4	0	0	0	0
15:00	25	27	23	5	0	3	3	12	5	2	0	0	0	0	0	0	0
16:00	36	33	25	7	0	4	0	17	6	5	3	1	0	0	0	0	0
17:00	26	33	26	7	0	0	3	13	4	2	4	0	0	0	0	0	0
18:00	48	33	26	7	0	4	4	19	11	3	4	0	3	0	0	0	0
19:00	17	29	25	4	0	0	4	7	3	0	3	0	0	0	0	0	0
20:00	19	39	30	9	0	0	2	4	4	2	4	3	0	0	0	0	0
21:00	20	37	28	9	0	3	0	5	3	3	6	0	0	0	0	0	0
22:00	12	40	27	13	0	0	3	4	2	0	0	3	0	0	0	0	0
23:00	6		27		0	0	0	3	1	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	548	33	26	7	6	28	35	217	134	84	36	1	7	0	0	0	0
16H(6-22)	681	34	26	7	6	34	45	250	171	103	53	4	11	4	0	0	0
18H(6-24)	699	34	26	7	6	34	48	257	174	105	53	7	11	4	0	0	0
24H(0-24)	744	34	26	8	6	39	51	262	183	111	63	10	15	4	0	0	0
AM Peak	06:00 77	05:00 46	01:00 34	05:00 16	09:00 3	09:00 3	10:00 6	10:00 28	06:00 27	07:00 29	11:00 4	03:00 3	06:00 4	06:00 4	-	-	-
PM Peak	18:00 48	22:00 40	20:00 30	22:00 13	12:00 3	18:00 4	19:00 4	12:00 20	18:00 11	16:00 5	21:00 6	22:00 3	14:00 4	-	-	-	-

PCC Traffic Information Consultancy Ltd.

Site No. 660501

Site Ref. 660501

Site 1

Speed Report (Speed Limit 30 Mph)

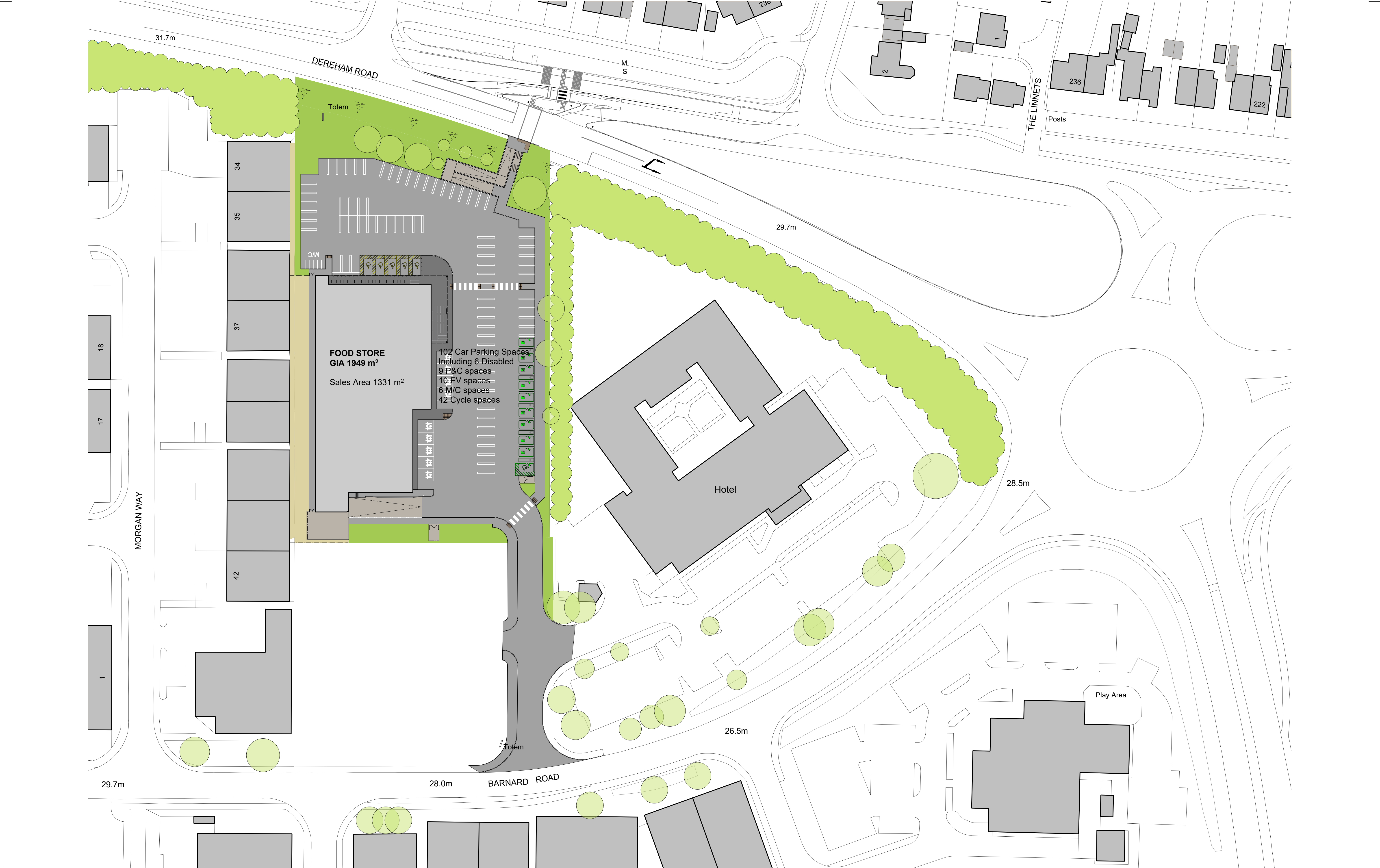
08 Jun 2024

Channel: Eastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <10Mph	Bin 2 10-<15	Bin 3 15-<20	Bin 4 20-<25	Bin 5 25-<30	Bin 6 30-<35	Bin 7 35-<40	Bin 8 40-<45	Bin 9 45-<50	Bin 10 50-<55	Bin 11 55-<60	Bin 12 60-<65	Bin 13 =>65
00:00	5		19		0	3	0	0	2	0	0	0	0	0	0	0	0
01:00	5		29		0	0	0	3	0	0	2	0	0	0	0	0	0
02:00	6		27		0	0	0	3	1	2	0	0	0	0	0	0	0
03:00	10	33	31	3	0	0	0	0	4	6	0	0	0	0	0	0	0
04:00	6		29		0	0	0	0	4	2	0	0	0	0	0	0	0
05:00	5		19		0	0	3	2	0	0	0	0	0	0	0	0	0
06:00	18	40	30	10	0	0	4	3	2	2	3	4	0	0	0	0	0
07:00	59	33	28	6	0	1	3	16	20	14	2	3	0	0	0	0	0
08:00	34	32	25	7	0	3	3	16	4	5	3	0	0	0	0	0	0
09:00	48	32	26	6	0	0	4	19	14	8	3	0	0	0	0	0	0
10:00	60	32	23	8	4	4	6	28	5	10	3	0	0	0	0	0	0
11:00	80	27	24	3	0	0	6	56	12	5	1	0	0	0	0	0	0
12:00	53	32	24	8	0	3	13	17	9	5	3	3	0	0	0	0	0
13:00	39	26	21	5	0	3	17	11	5	3	0	0	0	0	0	0	0
14:00	51	33	23	10	0	6	15	16	2	6	3	3	0	0	0	0	0
15:00	39	30	24	6	0	3	8	12	9	5	0	2	0	0	0	0	0
16:00	48	25	21	3	0	0	23	19	1	5	0	0	0	0	0	0	0
17:00	29	26	23	3	0	1	6	16	3	3	0	0	0	0	0	0	0
18:00	33	33	25	9	0	4	7	6	7	5	4	0	0	0	0	0	0
19:00	42	37	28	9	0	4	5	6	8	9	6	4	0	0	0	0	0
20:00	19	35	26	9	0	0	7	0	7	1	4	0	0	0	0	0	0
21:00	27	34	26	8	0	4	4	3	7	5	4	0	0	0	0	0	0
22:00	26	32	25	7	0	0	7	6	7	3	3	0	0	0	0	0	0
23:00	5		29		0	0	0	0	3	2	0	0	0	0	0	0	0
Total																	
12H(7-19)	573	31	24	7	4	28	111	232	91	74	22	11	0	0	0	0	0
16H(6-22)	679	33	25	8	4	36	131	244	115	91	39	19	0	0	0	0	0
18H(6-24)	710	33	25	8	4	36	138	250	125	96	42	19	0	0	0	0	0
24H(0-24)	747	33	25	8	4	39	141	258	136	106	44	19	0	0	0	0	0
AM Peak	11:00 80	06:00 40	03:00 31	06:00 10	10:00 4	10:00 4	11:00 6	11:00 56	07:00 20	07:00 14	10:00 3	06:00 4	-	-	-	-	-
PM Peak	12:00 53	19:00 37	23:00 29	14:00 10	-	14:00 6	16:00 23	16:00 19	15:00 9	19:00 9	19:00 6	19:00 4	-	-	-	-	-

PCC Traffic Information Consultancy Ltd.





NORTH

0

5.0

10.0

15.0

20.0

25.0

50.0m

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P-03	Layout updated following comments	01.05.24	DC	CW
P-02	Layout updated following comments	17.04.24	DC	CW
P-01	Updated following consultation	21.03.24	DC	CW
P-00	ISSUED FOR PLANNING	18.10.23	DC	CW
Rev.	Description	Date	Drawn	Chk.

Client
Williams Group

Project
Barnard Road
Norwich

Drawing Title
Proposed Site Plan

Drawing Status
PLANNING

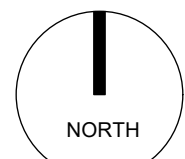
Corstorphine & Wright

Warwick Studio
Brook Hall, Brook Street, Warwick, CV34 4BL
01926 653 444
corstorphine-wright.com

Drawing No.
19408-300

Revision
P-03

Drawn DC	Checked CW	Paper Size A1	Scale 1:500	Date OCT 23
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NORTH

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P-03	Layout updated following comments	01.05.24	DC	CW
P-02	Layout updated following comments	17.04.24	DC	CW
P-01	Updated following consultation	21.03.24	DC	CW
P-00	ISSUED FOR PLANNING	18.10.23	DC	CW
Rev.	Description	Date	Drawn	Chk.

Client
Williams Group

Project
**Barnard Road
Norwich**

Drawing Title
Proposed Site Plan

Drawing Status
PLANNING

Corstorphine & Wright

Warwick Studio
 Brook Hall, Brook Street, Warwick, CV34 4BL
 01926 658 444
corstorphine-wright.com

Drawing No.
19408-301

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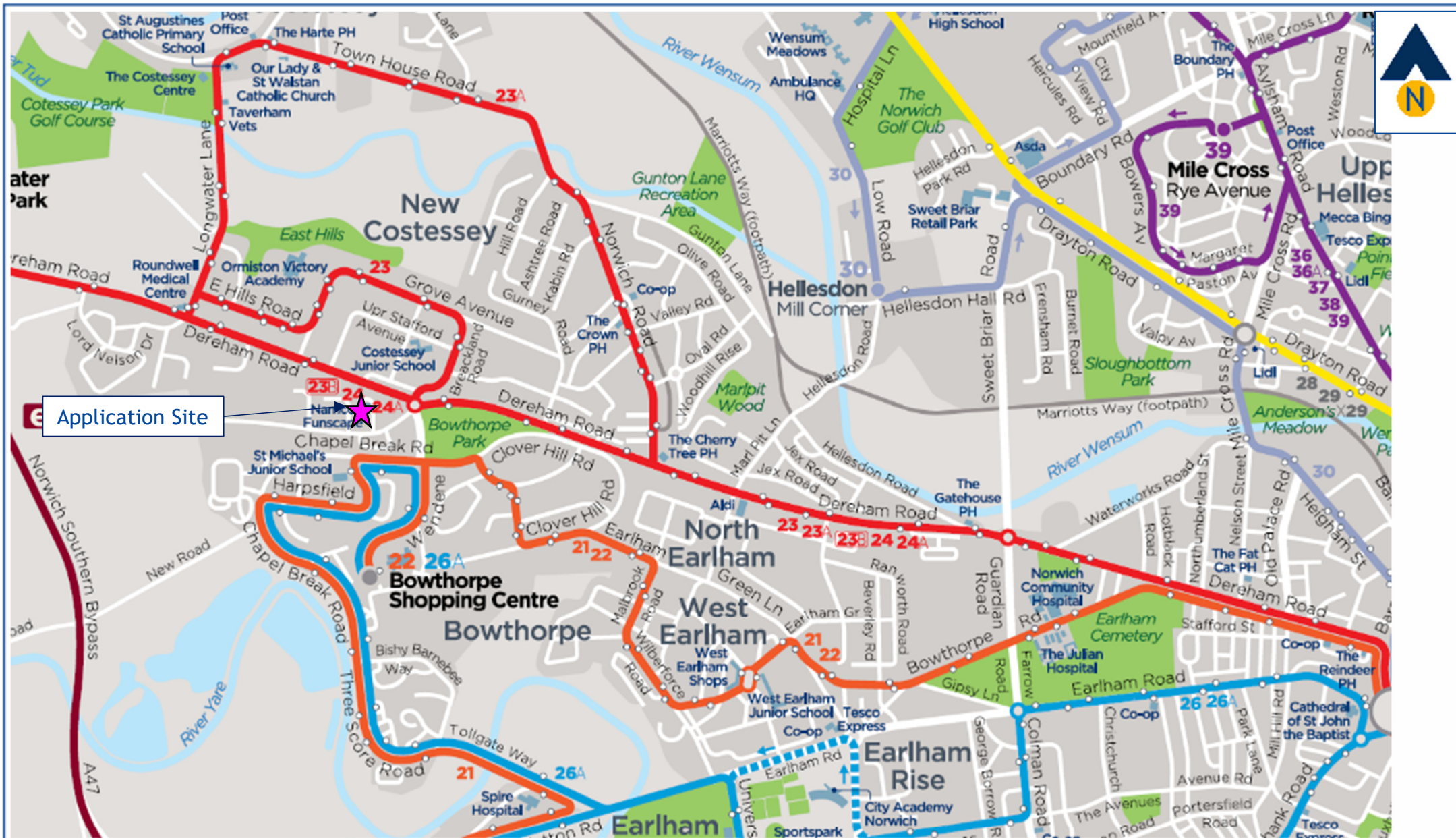


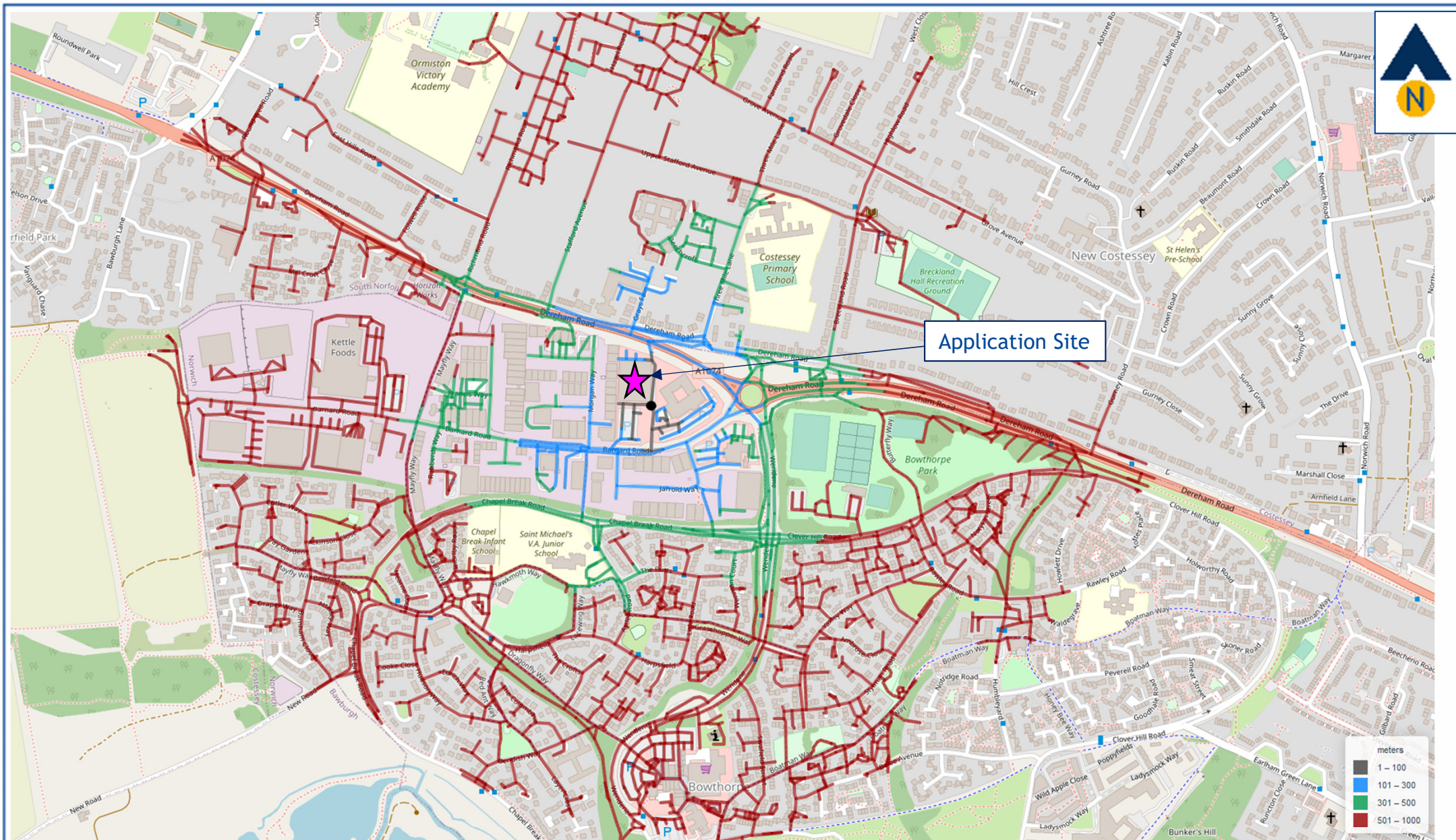
Figure TA9

Available Local Bus Services Within a Short Walk From the Application Site

J000420

Land off Barnard Road, Norwich

October 2023



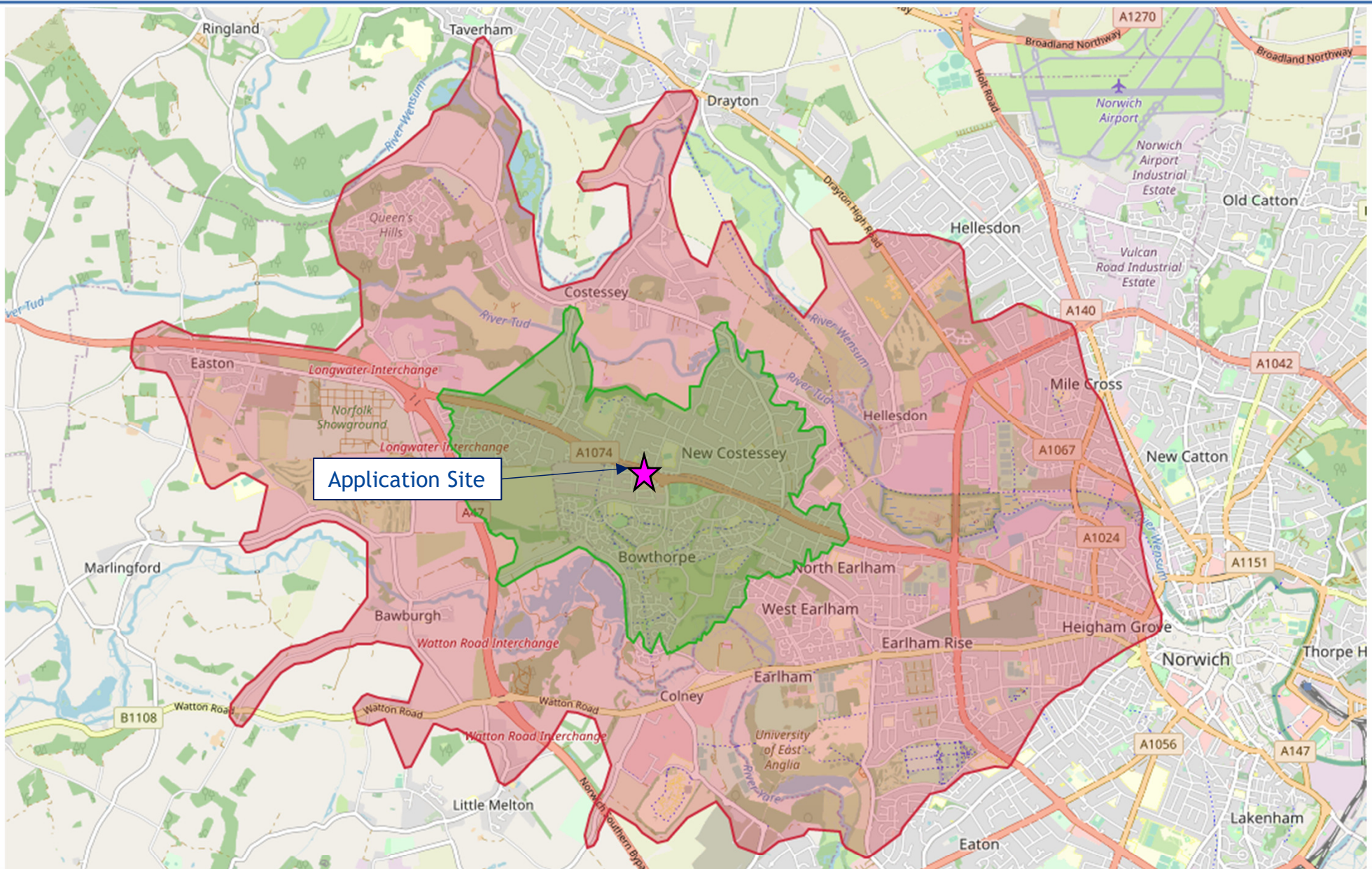


Figure TA11

2km & 5km Cycle Catchment from the Application Site

J000420

Land off Barnard Road, Norwich

October 2023



Figure TA12

Available Cycle Infrastructure Within a Local Cycle Catchment of the Application Site

J000420

Land off Barnard Road, Norwich

October 2023