



Barnsley Road/ Mitchells Way

Wombwell, Barnsley

Technical Note

August 2018

Project 1386B

Paragon Highways

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Quality Management

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Appendix A – Bus Map

Appendix B – Proposed Bus Stop Relocation

1 INTRODUCTION

- 1.1.1 Paragon Highway Consultants have been requested to prepare this Technical Note to provide information to the Local Highway Authority (Barnsley Council) on the proposals to relocate a bus stop on Barnsley Road from its current position adjacent to the site access, to a more appropriate location along the road.
- 1.1.2 It is proposed to develop the adjacent vacant site off Barnsley Road/ Mitchells Way to provide a petrol filling station with small ancillary store. The proposed site access is located off Barnsley Road in the form of a simple priority junction.
- 1.1.3 This Technical Note provides information on the current layout and location of the bus stop and what it includes, along with details of the current services that use this bus stop and other stops located nearby. The impact of relocating the bus stop is also assessed in terms of safety and convenience for current users of the bus services in the area.

2 EXISTING SITUATION

- 2.1.1 The application site consists of vacant land that was once occupied by a hotel. The site is somewhat constrained in terms of access due to the status of Mitchells Way to the northeast and its roundabout to the north with Barnsley Road, which would not allow for a safe access arrangement off Mitchells Way given separation distances from the roundabout considering the traffic volumes along the A633 and that the design standards within Design Manual for Roads and Bridges would need to be applied.
- 2.1.2 As a result of the above the only feasible location for an access to the application site would be near to the southwest corner of the site off Barnsley Road which is subject to less traffic and would maximise the distance between the proposed access and existing roundabout junction with the A633. Therefore, it is considered that for the site to be developed any vehicular access would need to be placed at or adjacent to the position of the existing bus stop along the east side of Barnsley Road near the southwest corner of the site.

- 2.1.3 The existing bus stop located adjacent to the site access would obstruct visibility for vehicles emerging from the proposed site access due to the shelter, which would be temporarily exacerbated during times when buses are waiting to pick up and set down passengers.
- 2.1.4 Therefore, it is considered that the bus stop must be relocated for the vacant site to be developed and for any potential access to operate safely.
- 2.1.5 There are other bus stops located within walking distance of the site (within 400m) in accordance with the recommended 5 minute walking time (CIHT publication Providing for Journey's on Foot). There is a bus stop located opposite the site, along with bus stops to the north of the site on both sides of the road along the A633 (between 250m and 360m from the bus stop to be relocated). There are also bus stops located to the south along Barnsley Road on both sides some 260m to the southeast. Bus stops also exist along Wilson Street some 250m to the southwest of the site access. Therefore, if the bus stops adjacent to the site were completely removed, there are bus stops available that provide bus services within 3 to 4 minute walking distance.
- 2.1.6 From the nearby stops there are 12 services per hour that travel to the nearest large town of Barnsley, with frequent services that travel to other nearby residential areas and settlements including Wath upon Dearne, Wombwell, Hoyland Tankersley, Worsbrough Dale, Goldthorpe, Thurnscoe and Mexborough. The large towns of Doncaster and Rotherham can also be accessed from the nearest stops. An extract from the South Yorkshire Travel website is shown at Appendix A and demonstrates the service numbers and routes available in the locality of the site with bus services along Barnsley Road consisting of X20, 22x, and 226 services, and Wilson Street bus services consisting of the 67, 67a and 67c services. The Transport Statement that accompanied the planning application confirmed that the bus services are considered to be of a good standard and will provide an alternative to the private car in line with current Government guidelines. Subsequently it is considered that given the frequency and quality of bus services, local residents would be prepared to walk up to 3 to 4 minutes to catch a bus (although the bus stop opposite the site is to remain, which provides access to the bus services heading towards Barnsley Town Centre).

3 PROPOSED BUS STOP LOCATION

- 3.1.1 Given that the development (or any development on the site) would warrant the relocation of the bus stop adjacent to the southwest corner, any potential sites for the bus stop would need to consider: -
- *Highway safety*
 - *Convenience for local residents*
 - *Impact on amenity for local residents*
 - *Impact on parking and access for local residents along Barnsley Road*
- 3.1.2 Taking into consideration all the factors identified above, a suitable site has been found along Barnsley Road some 110m south of the current bus stop position adjacent to the grassed area around 45m south of the Wilson Street junction. The plan at Appendix B identifies the proposed bus stop location and confirms that a passenger shelter could be provided along with raised boarding kerbs, and bus stop clearway markings (to be agreed with South Yorkshire PTE and Local Highway Authority).
- 3.1.3 In terms of safety, the bus stop location would be clearly visible for approaching traffic given the alignment of Barnsley Road, and would not severely impact junction visibility, although there is an access track to the north of the proposed bus stop location that is subject to extremely low traffic volumes. The revised location would also provide a safer location for pedestrians to cross Barnsley Road to and from the bus stop, given that there are no busy junctions and that conflicting vehicular traffic movements are kept to a minimum. The carriageway width at this point is circa 10.4m, and although vehicles sometimes park on street opposite the proposed bus stop site, even when a bus is parked, there is more than 5.5m free carriageway width available that allows for two HGVs to pass simultaneously, which would not be detrimental to the safe and free flow of traffic along Barnsley Road.

- 3.1.4 In terms of convenience for local residents, the bus stop would be relocated around 110m to the south, which equates to less than the 2minutes walking time. This increased travel time to the bus stop is not considered onerous, especially as the footway network along the east side of Barnsley Road appears to be suitable for its day to day use in terms of width, lighting and construction. Given the bus service numbers that operate along Wilson Street, the proposed bus stop relocation would not exclude any bus services along Barnsley Road that are currently provided at its existing location.
- 3.1.5 With regard to amenity, the proposed bus stop is not located directly outside existing dwellings and would provide minimal impact to residents along the east side. It is acknowledged that dwellings exist along the west side of Barnsley Road however, given the road width and front garden length, any detriment to existing residents would be minimal.
- 3.1.6 The proposed bus stop location would not impact car parking for local residents on the east side (as no dwellings exist adjacent to the proposed bus stop site) and that suitable road width enables vehicles to park on street along the opposite side (should there be a demand for it).

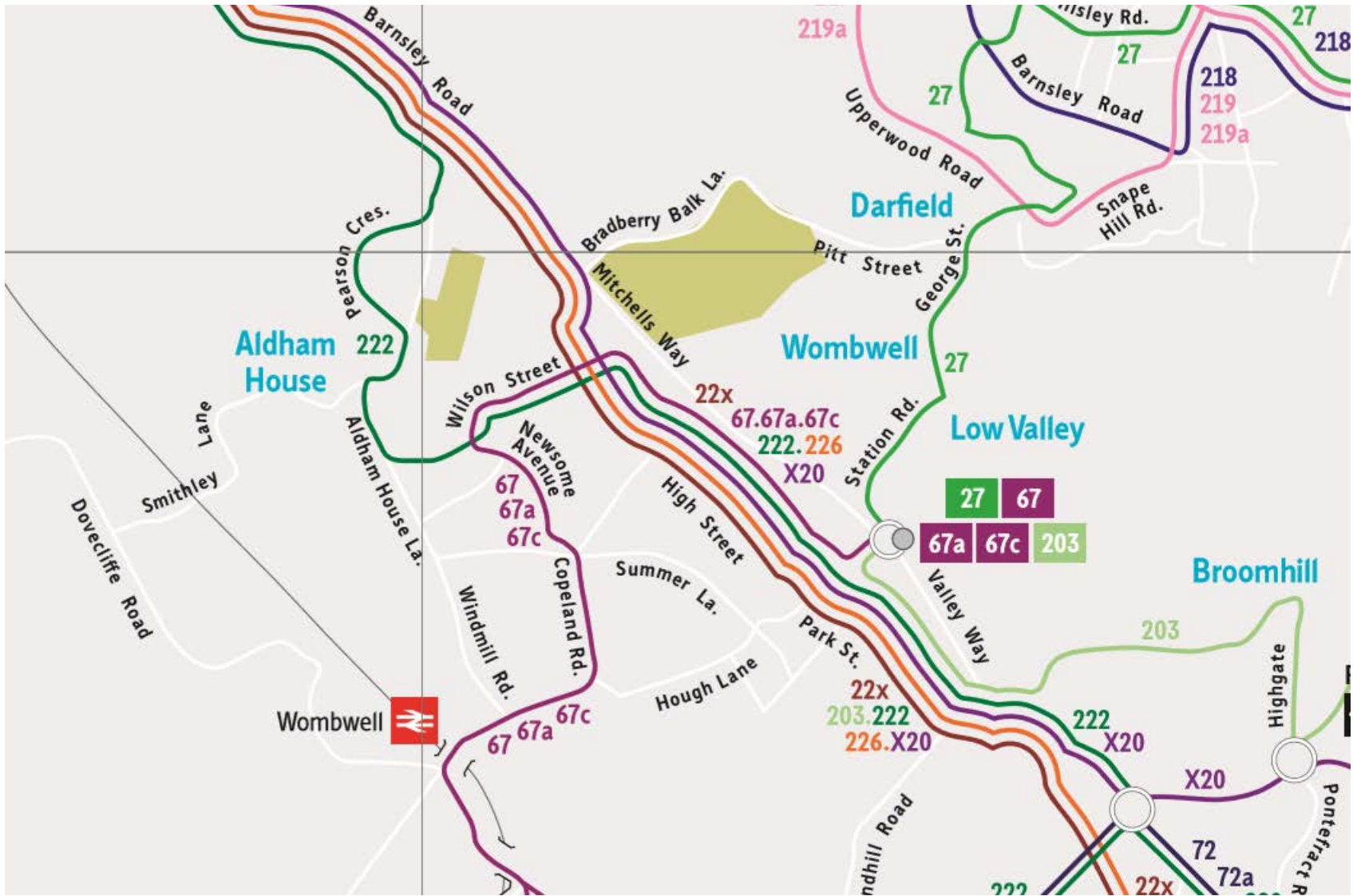
4 CONCLUSIONS

- 4.1.1 This technical note provides information to the Local Highway Authority (Barnsley Council) on the proposals to relocate a bus stop on Barnsley Road from its current position adjacent to the site access, to a more appropriate location further south along Barnsley Road.
- 4.1.2 The bus stop relocation has taken into consideration highway safety, convenience for local residents, amenity, and parking/ access impact.
- 4.1.3 This Technical Note confirms that a suitable location for the bus stop has been found along Barnsley Road, which would allow for the application site access to operate safely with minimal impact on local residents in terms of amenity, access, bus route choice and would not be detrimental to highway safety.

Appendix A

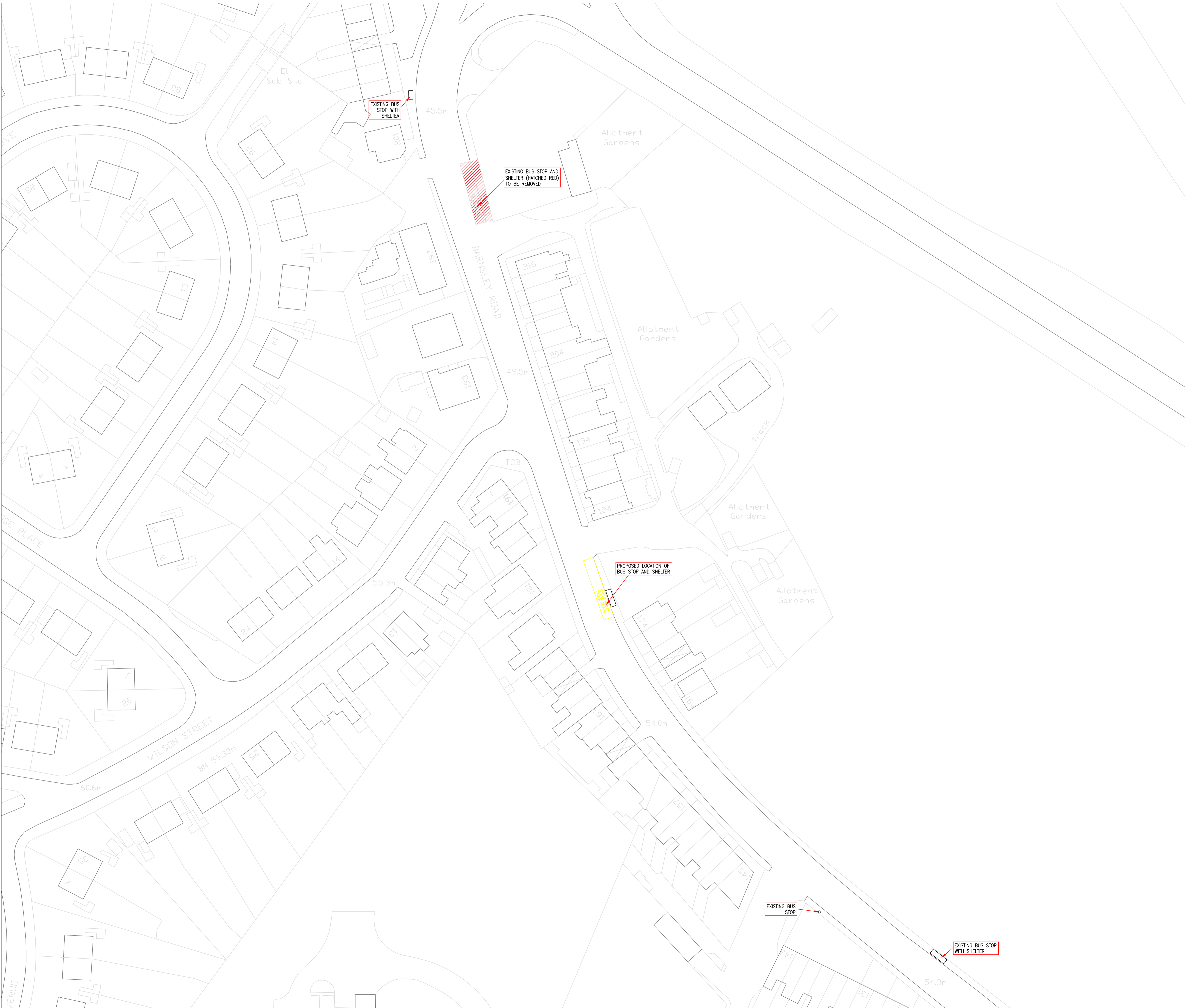
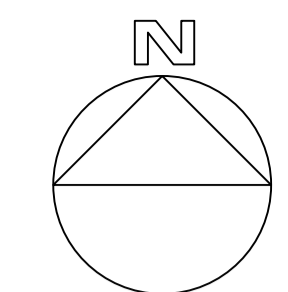
Bus Map

South Yorkshire Travel – Barnsley Network Map



Appendix B

Proposed Bus Stop Relocation



EXISTING BUS STOP WITH SHELTER

EXISTING BUS STOP AND SHELTER (HATCHED RED) TO BE REMOVED

PROPOSED LOCATION OF BUS STOP AND SHELTER

EXISTING BUS STOP

EXISTING BUS STOP WITH SHELTER

- GENERAL NOTES:**
- THIS DRAWING SHOWS THE PRELIMINARY DESIGN ONLY AND IS SUBJECT TO LOCAL AUTHORITY APPROVAL. THIS DRAWING SHOULD NOT BE SCALED FOR SETTING OUT PURPOSES.
 - THIS DRAWING IS BASED ON A ORDNANCE SURVEY PROVIDED BY OTHERS.

REV	DATE	DESCRIPTION

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