



**NOTES**  
 These drawings have been produced with reference to the CDM Regulations 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9

- KEY**
- Highway Boundary
  - Site Boundary
  - Proposed Kerblines
  - Proposed Road Markings
  - Existing Road Markings
  - Junction Visibility Splay
  - Approach Visibility Splay
  - Proposed Carriageway
  - Approximate Extents of Vegetation to be Removed
  - Retroreflective Bollard
  - Approximate Extents of Earthworks (Gradient of 1in2)
  - Proposed Back of Verge
  - Existing hedgerow and vegetation to be cleared beyond junction visibility extents

- GENERAL NOTES:**
1. This drawing is to be read in conjunction with all other relevant Engineering and Architect's details.
  2. Do not scale this drawing.
  3. Dimensions in metres unless stated otherwise.
  4. The design details presented must be reviewed in conjunction with the wider site information and site constraints which may not be evident on drawing and must be requested if not already provided. This includes, but not limited to, ground conditions (geotechnical and geo-environmental), groundwater levels, buried services, remnant obstructions, ecology, tree protection and topography.
  5. The Engineer shall be notified immediately, in writing, should any errors or discrepancies be found prior to the commencement or continuation of any works.
  6. All work is to be carried out in accordance with current British Standards, Building Regulations and NHBC Standards.
  7. It is the responsibility of the Contractor to execute the works at all times in strict accordance with the requirements of the Health and Safety at Work Act 1974, and the C.D.M. Regulations 2015. The Contractor will be deemed to have allowed for full compliance, including full liaison with the CDM Co-ordinator, within his rates.
  8. Any existing details which are shown on this drawing are for guidance only and are to be checked on site by the contractor. Any variations are to be recorded and reported to the engineer immediately.
  9. Before work commences contractor should consult the engineer and the SI report regarding any contamination issues. All necessary Health and Safety measures to be taken.
  10. Drainage design subject to vertical alignment and will be submitted as part of the S278 submission.
  11. Lighting assessment and design to be carried out and to form part of the S278 submission.
  12. Signage strategy to be reviewed and signage design to form part of the S278 submission.
  13. This drawing is based on topographical survey data (file reference Newport Topographical updated Survey2d.24.0421.dwg) and OS mapping, received from Bloor Homes in July 2021.
  14. Masterplan referenced from drawing M1153-SL-101 (Site Layout Bungalows Increase Social) received from Bloor Homes in July 2021.
  15. Highway boundary based on pdf received from Telford and Wrekin Council (2011), estimated using topographical features. Confirmation of accurate location is required from Telford and Wrekin Council.
  16. The junction has been designed in accordance with CD109 and CD123.
  17. Whilst the junction is classed as a ghost island junction, the corner radius and tapers into the proposed development and exiting the proposed development have adopted the principle of a simple junction consisting of 15m radius with 10m radius to minimise the feel of the junction. This is on the basis that the requirements of DMRB CD123 para. 5.6.4 for ghost island junctions (corner taper of 1:5 over 30m). The 1in6 corner taper over 30m is specifically for 16.5m articulated HGV and is not deemed appropriate for this junction. The design vehicle presented permits the medium sized vehicles to overrun into the opposing lane as discussed with Telford and Wrekin Council.
  18. The drawing has been produced to obtain approval in principle to the horizontal layout, prior to vertical design.
  19. Residual risk items not shown - to be reviewed as project information becomes available and incorporated in to the design and added to drawing prior to technical submission.
  20. Stopping Sight Distances have been calculated based on 85th percentile speed obtained from the speed survey carried out by PCC week commencing 02.09.2021. SSD calculations shown in the table extract. Following a discussion with Telford and Wrekin Council it was agreed to use symmetrical SSD of 4.5x185m in both directions.

Until Technical Approval has been obtained from the relevant Local Authorities or Statutory Bodies, it should be understood that all drawings are issued as preliminary and NOT for Construction. Should the Contractor and / or Employer commence work prior to approval being given, it is entirely at their own Risk

|     |            |  |    |
|-----|------------|--|----|
| REV | DATE       | REVISION NOTE  | BY |
| P4  | 27.09.2021 | Vegetation clearance hatch updated.  | DO |
| P3  | 22.09.2021 | Amendments to incorporate RSA comments   | DO |
| P2  | 21.09.2021 | Junction geometry updated following the discussion with Telford and Wrekin Council | DO |
| P1  | 15.09.2021 | Visibility splays updated following speed survey                                   | DO |
| P0  | 15.07.2021 | Initial Issue  | DO |

**CLIENT**  
**Bloor Homes**

**PROJECT**  
 Station Road  
 Newport

**DRAWING TITLE**  
 A518  
 Priority Junction  
 General Arrangement

**DRAWING ISSUE STATUS**  
**INFORMATION**

PJA JOB No. SUB-CODE DRAWING NO. REVISION  
 5148 - B - 0123 - P4

Revision Letter: P - Prelim / A - Approval / T - Tender / C - Construction  
 BIM DRAWING REFERENCE

|            |       |          |            |
|------------|-------|----------|------------|
| SCALE      | DRAWN | REVIEWED | DATE       |
| A3 @ 1:750 | DO    | AN       | 27/09/2021 |