



ROAD MARKING NOTES

- All dimensions in metres unless otherwise stated.
- All works to be carried out strictly in accordance with MCHW.
- The Engineer shall be notified immediately, in writing, should any errors or discrepancies be found prior to the commencement or continuation of any works.
- 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 Principal Designer, within his rates.
- All Statutory Undertakers must be contacted prior to commencing any works to ascertain the location and depth of their apparatus. In the event of any protection or diversionary works being necessary to their apparatus then any costs incurred will be the contractors' responsibility both for arranging and any payment.
- All works to be to the satisfaction of the Local Authority.
- Road markings shall be of the size, shape, colour and type prescribed for the use in The Traffic Signs Regulations and General Directions 2002 (Statutory Instrument 2002 No. 3113) and subsequent amending Regulations.
- Permanent road markings shall be to SHW Specification and to be thermoplastic screed material complying with BS EN 1463.
- Class A solid glass beads shall be incorporated into the thermoplastic mixture.
- Solid glass beads shall be applied uniformly on to the wet paint film at the rate of 400-500 gramme per sq. metre.
- The solid glass beads shall comply with BS EN 1423.
- Road surfaces shall be prepared in accordance with General Specifications for Civil Engineering Works, Clause 12.33 prior to laying of thermoplastic road studs. The hot-applied thermoplastic material for thermoplastic road studs shall be prepared and laid in accordance with Clauses 12.34 (1) and (2).

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.
- The residual risks identified on the DRA / drawings are based on the information available at the time of design. Any services information indicated on PJA drawings is obtained from third parties, and is given for guidance purposes only. The exact location of any services will need to be verified by the client / contractor before commencing works on site.
- GENERAL NOTES:**
- This drawing is to be read in conjunction with all other relevant Engineering and Architect's details.
 - The Engineer shall be notified immediately, in writing, should any errors or discrepancies be found prior to the commencement or continuation of any works.
 - All work is to be carried out in accordance with current British Standards, Building Regulations and NHBC Standards.
 - 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 within his rates.
 - 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.
 - 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.

SECTION 278 WORKS:

- All works to be carried out strictly in accordance with the Local Authority Highways specification for street works.
- All Statutory Undertakers, including cable television companies, must be contacted prior to commencing any works to ascertain the location and depth of their apparatus. In the event of any protection or diversionary works being necessary to their apparatus then any costs incurred will be the contractors' responsibility both for arranging and any payment.
- The Contractor shall provide, erect and maintain such traffic signs, lamps, barriers and traffic control signals, and such measures may be necessitated by the construction of the works in accordance with the recommendations contained in Chapter 8 of the Traffic Signs Manual.
- The developer and contractor shall confirm they are working in accordance with NIUG Volume 1 Guidelines on the Positioning and Colour Coding of Underground Utilities' Apparatus and Volume 2 Guidelines on the Positioning of Underground Utilities Apparatus for New Development Sites.
- Retention of the existing kerb line will be subject to inspection and approval by the Local Authority Highways Inspector. Reconstruction of the existing channel line to have 300mm overbite of each bituminous layer that is disturbed.
- C8R values and calculations may be required to determine sub-base thickness.
- Hinged gully grate and frame to BS EN 124, Grade D400, non-rolling with captive left hand end hinge. Minimum watertight area 300mm squared. Frame depth 100mm. Black coated ductile iron.
- Any existing gullies that are damaged during construction will be replaced with new ones, as agreed with a representative of the Local Authority Highways department.
- Hand laying of bituminous materials is not permitted on adoptable carriageway.
- Tarmac road construction to comply with BS EN 130108.

S278 GENERAL KEY

- Existing Highway Boundary - Retained
- Existing Highway Boundary - to be Amended
- Proposed Highway Boundary
- Section 278 Works Boundary
- Proposed Bollards (R denotes removable)
- Highway Demarcation Blocks in Soft Landscaped Areas
- Highway Demarcation Blocks in Hard Landscaped Areas

Marking Colour	Reference Number	Line Width (mm)	Road Marking Detail Line-line, gap(continuous) Marking:round-(length) Text-(height)
WL - White Line	WL 1010	100	1000,1000
YL - Yellow Line	YL 1018	8m	10mm,P/A

Stud Colour
W - white
R - Red
G - Green
A - Amber
P/A - Red/Amber

Stud Type to BS EN 1463-1:2009

Profile of stud

Stud Spacing (m)

Stud Direction
BI - Bi-Directional
UNI - Uni-Directional