



A cross-sectional diagram of a road construction. The base is labeled "Existing Construction" and is filled with a cross-hatch pattern. Above this base, a thin layer is labeled "Tack coat". Above the tack coat, a thicker layer is labeled "60m Binder Course overlay". The overlay layer is filled with a diagonal hatch pattern.

60mm Binder Course to re-form existing profile

Track Coat

Fill cracks with Hot Poured Bitumen Emulsion.

Treat cracks and edges with Glyphosate weedkiller

Typically 0.8m to 1.2m Width throughout works

Diagram illustrating the cross-section of a road structure, showing the following layers from top to bottom:

- Surface Course (40mm)
- Binder Course (200mm)
- Sub-Base (150mm)
- Geotextile

PASSING PLACES

300mm 300mm

600mm

2100mm

60.3mm

200mm

SIGN DETAILS:
 Dimensions (mm):
 Width: 600, Height: 600
 x-Height: 50
 Area: 0.36 sq m

Colours:
 black (Text) on white (Background)
 Material: BS EN 12899-1:2007
 class: RA2/R2

STRUCTURE DETAILS:
 Structure Details:
 1 no. Steel circular section S275:
 60.3mm O.D. 3mm thick
 Support length: 3500 mm

Passively safe to BS EN 12767:2003
 BS EN 12899-1:2007 classes:
 WL5, TDBS, PL3, PAF1

Planted foundation to BD 84/07:
 Soil type: poor or unknown
 Height of footing: 800 mm
 Diameter of footing: 200 mm

60mm AC20 Binder Course Rec (40/60)

Existing Construction

Vertical saw cut to existing pavement and built new binder construction up to existing pavement at A16 junction.

Surface Course	16.70m ³
Binder Course	158.50m ³
Sub-base	62.50m ³
Cationic Bitumen Emulsion	7.50m ³
Geotextile	420.00m ²
Tack Coat	1250m ²

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1. If this drawing has been received electronically it is the recipient's responsibility to print the document to the correct scale.
2. All dimensions are in meters unless otherwise stated.
3. Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are preliminary and not for construction.
4. All levels to be confirmed on site prior to construction, following full topographical survey & drainage levels survey information and current existing services plans & maps.
5. All Road works to be constructed in accordance with the latest revision of the Lincolnshire County Council (LCC) 2014 Development Road Signage and Colouring Scheme (DRSO) 2014 Edition.

10mm size Close Graded Surface Course (AC 10 close surf 70/100 or 100/150) to Clause 7.3 of the LCC (DRSC) 2014. Compacted in accordance with Clause 7.2 (DRSC) to a void content within the range 2%-10%.

20mm size recipe mix dense Binder course (AC 20 Dense Bin 40/60 rec) to Clause 9.1 (DRSC) and shall be laid in a single layer or combination of layers no less than 50mm in thickness or greater than 110mm in thickness.

Compaction must be in accordance with Clause 7.2 (DRSC) to a void content within the range 2% to 8% and all layers must be bonded together.

Granular Type 1 sub-base to conform with Clause 8.1 (DRSC). A minimum in-situ CBR value of 30% and/or a minimum stiffness of 35MPa should be achieved in accordance with Clause 8.2 (DRSC).

The surface should be thoroughly cleaned prior to the application of a C40B4 track coat of cationic bitumen emulsion to BS EN 13808. Allow the emulsion to 'break' prior to the application of the Binder course.

Confirming to BS EN 13808 having a minimum cohesion by pendulum test in accordance with BS EN 13808 table 4 Clause 4 and applied in accordance with Clause 5.5.2 BS 594987:2010. The rate of spread for bond coats shall be 0.35kg/m² of residual binder.

Terram 1000 Geotextile

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Drawing Title	General layout
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Drawn By HH	Checked By AW	Approved By SAH
Date 22/10/2014	Scale @ A1 AS STATED	
Purpose Preliminary		
Drawing Number		Rev