



ADOPTED ROAD CONSTRUCTION

NEW COATED MACADAM TO ACCESS ROAD
21 Dense surface course (8mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
22 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
100 Dense roadbase (20mm size) to BS4987:2005 Cl. 5.2 (Tables 3-4)
100 Granular sub-base (Type 1 to DTp Spec Cl. B3)
Thickness of Granular Sub-base (Type 1 to DTp Spec Cl. B3) dependent on CBR results: <4% >200mm; 4-7% >200mm; 8-10% >200mm; >10% >300mm

COATED MACADAM TO EXISTING ACCESS ROAD
21 Dense surface course (8mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
22 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
100 Dense roadbase (20mm size) to BS4987:2005 Cl. 5.2 (Tables 3-4)
100 Granular sub-base (Type 1 to DTp Spec Cl. B3)
For resurfacing to existing access road a new surface course / binder course is to be provided together making good of any loose material. Before laying final surfacing, thoroughly clean and make good the existing surfacing, allow to dry and apply a tack coat of sprayed bitumen emulsion in accordance with current guidelines.

COATED MACADAM FOOTPATH TO DOMESTIC VEHICULAR CROSSING
21 Dense surface course (8mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
22 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
100 Wet lean Concrete Type ST2 to DTp Spec Cl. 1001 Table 101
100 Granular Sub-base Type 1 to DTp Spec Cl. B3

COATED MACADAM ADOPTED FOOTPATH CONSTRUCTION
21 Dense surface course (8mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
22 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
100 Granular Sub-base Type 1 to DTp Spec Cl. B3

PRIVATE HARDSTANDING CONSTRUCTION

CONCRETE BLOCK PAVING FOR PRIVATE DRIVEWAYS
100 Concrete Block Paving (400x400mm)
30 Sand filling course to BS 7333 Part 3, annex D, below D1 & D2
20 Dense roadbase (20mm size) to BS 4987:2005 Cl. 5.2 (Tables 3-4)
100 Granular Sub-base Type 1 to DTp Spec Cl. B3
Thickness of Copings (BS4987:2005 Cl. 6.5) dependent on CBR results

PRECAST CONCRETE TACTILE SLAB PAVING
100 Precast Concrete Slab Paving (400x400mm)
30 Mortar bed to 51 reinforcement mesh
100 Granular sub-base Type 1 to DTp Spec Cl. B3

KERB TYPES

125x255 Half Bullnose Kerb (HB2) - 125mm

125x150 Bullnose Kerb (BN) - 25mm

125x150 Bullnose Kerb (BN) - 0-6mm (at drop crossings)

50x200 Flat Top Edging (EF) (50x250 for retaining detail)

Drop Kerb (1:81:12 gradient CR 2@1:24 gradient)

HB2 "C" to BN

Tangent point & Kerb Radius

R2

WHITE LINING & SIGNAGE

DIAG 1003 - DOUBLE WHITE DASH LINES
100mm LINES, 300mm GAP, 200mm WIDE

DIAG 1004 - WHITE DASH LINE
400mm LINE, 2000mm GAP, 100mm WIDE

DIAG 1009 - WHITE DASH LINE
1000mm LINE, 100mm GAP, 100mm WIDE

STREET NAME PLATE WITH "NO THROUGH ROAD" SIGN TO DIAG 816.1 (Exact location to be confirmed)

DIAGRAM NUMBERS RELATE TO THE DEPARTMENT FOR TRANSPORT TRAFFIC SIGN MANUAL, 2003

- NOTES -**
- 1.0 GENERAL

1.1 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & SPECIALIST DRAWINGS & SPECIFICATIONS.

1.2 WORK TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT GOOD PRACTICE, BUILDING REGULATIONS AND SUBSEQUENT AMENDMENTS, THE PROJECT SPECIFICATION, RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE. MATERIALS AND COMPONENTS TO BE SUITABLE FOR THEIR INTENDED USE.

2.0 ADAPTABLE ROAD CONSTRUCTION REQUIREMENTS

2.1 THE DESIGN AND SPECIFICATION SHALL IN ALL RESPECTS COMPLY WITH THE CURRENT MANCHESTER CITY COUNCIL'S HIGHWAYS SERVICES CURRENT DETAILS AND SPECIFICATIONS.

2.2 CONSTRUCTION & MATERIALS TO COMPLY WITH THE RELEVANT CLAUSE IN THE SPECIFICATION FOR HIGHWAY WORKS & RELEVANT BRITISH STANDARDS UNLESS OTHERWISE STATED AND BE KITEMARKED (WHERE APPLICABLE).

2.3 ALL OPERATIVE WORKING ON THE HIGHWAY WORKS INCLUDING WITHIN THE SITE MUST HAVE STREETWORK ACCREDITATION, EVIDENCE OF SUCH WILL HAVE TO BE SUPPLIED WHEN REQUESTED.

2.4 ALL BITUMINOUS MATERIALS TO MACHINE LAD UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

2.5 'CBR TESTS' MUST BE UNDERTAKEN IN ACCORDANCE WITH BS 1377:1990 IN THE PRESENCE OF THE ENGINEER BY AN INDEPENDENT UKAS ACCREDITED LABORATORY. THESE TESTS SHALL BE CARRIED OUT WITHIN 10M OF THE END OF EACH ROAD AT FURTHER POINTS A MAXIMUM OF 10M APART. THE COUNCIL'S REPRESENTATIVE IS TO DETERMINE ALL CBR TEST LOCATIONS AND THE LOWEST CBR VALUE SHALL BE USED TO DETERMINE A UNIFORM CAPPING/SUB-BASE CONSTRUCTION FOR THE WHOLE ROAD.

2.6 'PLATE BEARING TESTS' MUST BE UNDERTAKEN ON THE GRANULAR LAYERS BY AN INDEPENDENT UKAS ACCREDITED LABORATORY AND THE RESULTS APPROVED BY THE ENGINEER PRIOR TO THE LAYING OF ANY BITUMINOUS MATERIAL. THE COUNCIL'S REPRESENTATIVE IS TO DETERMINE ALL PLATE BEARING TEST LOCATIONS.

2.7 'NUCLEAR DENSITY TESTS' MUST BE UNDERTAKEN ON ALL LAYERS OF BITUMINOUS MATERIAL, BINDER COURSE & ROADBASE BY AN INDEPENDENT UKAS ACCREDITED LABORATORY WHILST THE MATERIALS ARE BEING LAD.

2.8 ALL VEHICULAR ACCESSORIES WITHIN THE SHOWN SURFACE AREA ARE TO HAVE A KERB UPSTAND OF 94mm. THE REMAINDER OF THE KERBS ARE TO HAVE AN UPSTAND OF 105mm AS PER DETAIL ON DRAWING DT2/021.

2.9 IT WILL BE NECESSARY FOR ALL THE ABOVE WORK TO BE INSPECTED BY THE ENGINEER OR CLERK OF WORKS. ANY WORKS UNDERTAKEN WITHOUT INSPECTION WILL BE DEEMED ADOPTIVE.

3.0 PRIVATE HARDSTANDING CONSTRUCTION REQUIREMENTS (GENERAL)

3.1 DESIGNS HAVE BEEN BASED ON AN ASSUMED CBR OF 5% IF MATERIAL APPEARS TO BE DIFFERENT FROM ASSUMED SUB-GRADE OR IF THERE ARE EXTENSIVE SOFT SPOTS, TEST SUBGRADE CBR TO BS1374 OR BS1377-9. SUBMIT RESULTS WITHIN 10 DAYS OF COMPLETION OF THE WORK. IF <5% INCORPORATION OF SUB-GRADE IMPROVEMENT LAYER WILL BE REQUIRED.

ADAPTABLE HIGHWAY CONSTRUCTION SUBJECT TO TECHNICAL APPROVAL FROM MANCHESTER CITY COUNCIL HIGHWAYS

H 10/11/21 JSD BLOCK PAVING SPEC UPDATED. CHANGED TO CONSTRUCTION STATUS.

G 19/10/21 JSD FOOTWAY RESURFACING ALL BLOCK 4 ADDED.

F 14/10/21 JSD TACTILE PAVING MORTAR SPEC UPDATED.

E 14/10/21 JSD PLOT 1 DRIVE MOVED TO HOUSE.

D 26/08/21 JSD KERBS/FOOTWAY OUTSIDE PLOT 1 ALTERED.

C 23/08/21 JSD FOOTWAY CURBING SPECIFICATION REMOVED.

B 18/06/21 JSD 3.0m DRIVEWAY TO PLOT 1 MOVED ADJACENT TO HOUSE AND WHITE LINING ADDED TO HIGHWAY FOLLOWING RISK.

A 08/06/21 JSD PLOTS 6,21 LOWERED BY 50mm. MOC HIGHWAY CORRECTLY LOCATED. BINDER AND ROAD BASE ALTERATIONS, TACTILE PAVING ADDED, CBR DETAILS UPDATED.

REV	DATE	CHKD	DESCRIPTION

PURPOSE OF ISSUE

CONSTRUCTION

CLIENT

PLP CONSTRUCTION LTD

PROJECT

SITE OFF DOB BROOK CLOSE
NEWTON HEATH
MANCHESTER

TITLE

EXTERNAL WORKS G.A. -
SURFACE FINISHES

DWG NO.	DRAWING NO.	REVISION
J072	103	H

DRAWN	CHECKED	SCALE	SHEET SIZE	DATE
JSD	MD	1:100	A0	APR 2021

DRAWING NOT TO BE SCALED

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