

ADOPTED ROAD CONSTRUCTION

NEW COATED MACADUM TO ACCESS ROAD
- 35 Dense surface course (6mm size) to BS 4987:2005 Cl. 7.5 (Tables 29-31) [Department of transport specification clause 912]
- 60 Dense binder course (20mm size) to BS 4987 Cl. 6.5 (Tables 15-16) [Department of transport specification clause 906]
- 150 Dense roadbase (28mm size) to BS 4987:2005 Cl. 5.2 (Tables 3-4) [Department of transport specification clause 903]
- \- Thickness of Granular Sub-base (Type 1 to DTp Spec Cl.803) dependent on CBR results: <=2% 400mm, 3% 350mm, 4% 250mm, >=5% 150mm

COATED MACADUM TO EXISTING ACCESS ROAD
- 35 Dense surface course (6mm size) to BS 4987:2005 Cl. 7.5 (Tables 29-31) [Department of transport specification clause 912]
- 60 Dense binder course (20mm size) to BS 4987 Cl. 6.5 (Tables 15-16) [Department of transport specification clause 906]

For resurfacing to existing access road a new surface course / binder course is to be provided together making good of basecourse as required. 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 guildlines.

COATED MACADUM FOOTPATH TO DOMESTIC VEHICULAR CROSSING
- 20 Dense surface course (6mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
- 40 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
- 150 Wet lean Concrete Type ST2 to DTp Spec Cl. 1001 Table 10/1
- 75 Granular Sub Base Type 1 to DTp Spec Cl. 803

COATED MACADUM ADOPTED FOOTPATH CONSTRUCTION
- 20 Dense surface course (6mm size) to BS4987:2005 Cl. 7.5 (Tables 29-31)
- 60 Dense binder course (20mm size) to BS4987:2005 Cl. 6.5 (Tables 15-16)
- 100 Granular Sub Base Type 1 to DTp Spec Cl. 803

PRIVATE HARDSTANDING CONSTRUCTION

CONCRETE BLOCK PAVIOR TO PRIVATE DRIVEWAYS
- 60 Tobermore Pedesta 200x100x60 blocks (or similar approved) laid to a 45 degree herringbone pattern in Brindle (or similar approved).
- 30 Sand laying course to BS 7533:Part 3, annex D, tables D1 & D2
- 50 Dense roadbase (28mm size) to BS 4987:2005 Cl. 5.2 (Tables 3-4).
- 150 Granular Sub Base Type 1 to DTp Spec Cl. 803
- \- - - Thickness of Capping (6F2/6F5 to Cl. 613) dependent on CBR results.

PRECAST CONCRETE TACTILE BLISTER PAVING
- 65 Marshalls Blister Paving (400x400x65)
- 30 Mortar bed in 3:1 sand/cement mortar
- 150 Granular sub-base Type 1 to DTp Spec Cl.803

KERB TYPES

- 125x255 Half Batter 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]
- HB2 DK BN — Drop Kerb (1@1:12 gradient OR 2@1:24 gradient)
- Tangent point & Kerb Radius — R2

WHITE LINING & SIGNAGE

- (DIAG 1003) - DOUBLE WHITE DASH LINES (600mm LINES, 300mm GAP, 200mm WIDE)
- (DIAG 1004) - WHITE DASH LINE (4000mm LINE, 2000mm GAP, 100mm WIDE)
- (DIAG 1009) - WHITE DASH LINE (600mm LINE, 300mm 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 ARCHITECT'S, ENGINEER'S & 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 ADOPTABLE 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 OPERATIVES 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 BE MACHINE LAID 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 COUNCILS 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 INDEPENDANT UKAS ACCREDITED LABORITORY AND THE RESULTS APPROVED BY THE ENGINEER PRIOR TO THE LAYING OF ANY BITUMINOUS MATERIAL. THE COUNCILS 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 INDEPENDANT UKAS ACCREDITED LABORATORY WHILST THE MATERIALS ARE BEING LAID.

2.8 ALL VEHICULAR ACCESSES WITHIN THE SHARED SURFACE AREA ARE TO HAVE A KERB UPSTAND OF 0-6mm. THE REMAINDER OF THE KERBS ARE TO HAVE AN UPSTAND OF 125mm AS PER DETAIL ON DRAWING J072/121.

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 ABORTIVE.

3.0 PRIVATE HARDSTANDING CONSTRUCTION REQUIREMENTS (GENERALLY)

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 BS1377-4 OR BS1377-9. SUBMIT RESULTS& OBTAIN INSTRUCTION BEFORE PROCEEDING. IF <5% INCORPORATION OF SUB-GRADE IMPROVEMENT LAYER WILL BE REQUIRED.

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

REV.	DATE	DRN	DESCRIPTION
G	19/10/21	JSD	FOOTWAY RESURFACING ADJ. BLOCK 4 ADDED.
F	14/10/21	JSD	TACTILE PAVING MORTAR SPEC UPDATED.
E	04/10/21	JSD	PLOT 1 DRIVE MOVED TO REAR.
D	26/08/21	JSD	KERBING/FOOTWAY OUTSIDE PLOT 1 ALTERED.
C	29/06/21	JSD	FOOTWAY CHIPPING SPECIFICATION REMOVED.
B	18/06/21	JSD	3.0m DRIVEWAY TO PLOT 1 MOVED ADJACENT TO HOUSE AND WHITE LINING ADDED TO HIGHWAY FOLLOWING RSA.
A	09/06/21	JSD	PLOTS 6-21 LOWERED BY 50mm. MCC HIGHWAY COMMENT UPDATES (BINDER AND ROAD BASE ALTERATIONS, TACTILE PAVING ADDED, CBR DETAILS UPDATED).

PURPOSE OF ISSUE: PRELIMINARY

CLIENT: PLP CONSTRUCTION LTD

PROJECT: SITE OFF DOB BROOK CLOSE NEWTON HEATH MANCHESTER

TITLE: EXTERNAL WORKS G.A. - SURFACE FINISHES

JOB No.	DRAWING No.	REVISION
J072 /	103	G

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

DRAWING NOT TO BE SCALED

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