



BITUMINOUS FOOTWAY TYPE 1 SPECIFICATION

LAYER	THICKNESS	DETAILS
SURFACE COURSE	20mm	CLOSE 6mm GRADED MACADAM SURFACE COURSE TO CLAUSE 1105
BINDER COURSE	50mm	20mm NOMINAL SIZE DENSE MACADAM BINDER COURSE TO CLAUSE 906
SUB-BASE	200mm	THICK GRANULAR TYPE 1

12. SUB-BASE AND CAPPING LAYER

MINIMUM SUB-BASE THICKNESS 150mm, BUT MAY REQUIRE TO BE DEEPER, DEPENDING ON THE REQUIREMENTS FOR CAPPING. OVERALL MINIMUM CONSTRUCTION DEPTH OF PAVEMENT TO BE 450mm (INCLUSIVE OF CAPPING LAYER) FOR PROTECTION FROM FROST HEAVE.

ASPHALT-BASED MATERIALS (E.G. ROAD BASE IF NOT SPECIFIED ON DETAIL) CAN BE USED AS PARTIAL REPLACEMENT OF A FULL THICKNESS GRANULAR SUB-BASE TYPE 1 MATERIAL.

MINIMUM SUB-BASE THICKNESS FOR PAVED AREAS
(CONSOLIDATED IN ACCORDANCE WITH MCHW VOLUME 1
CLAUSE 801, TABLE 8/1:

<u>CBR VALUES</u> (%)	<u>CAPPING THICKNESS</u>
2<	500
2-3	350
3-5	250
>5	200

NOTES:

1. DO NOT SCALE THIS DRAWING.
2. FORMATION OF TRENCH BEDS AND INSPECTION CHAMBERS
 - i) EXCAVATE IMMEDIATELY BEFORE LAYING BEDS AND PIPES OR BASE SLABS FOR INSPECTION CHAMBERS.
 - ii) REMOVE ALL MUD, ROCK PROJECTIONS, BouldERS AND HARD SPOTS AND REPLACE WITH WELL COMPACTED SELECTED FILL. LOCALISED SOFT SPOTS ARE TO BE HARDENED BY TAMPING IN GRANULAR BEDDING MATERIAL.
 - iii) IF OIL CONTAMINATION IS FOUND ADJACENT TO TRENCH, THE TRENCH PROFILE IS TO BE CUT BACK BY 150MM FROM THE FACE OF BEDDING MATERIAL AND REPLACED WITH CRUSHED CONCRETE.

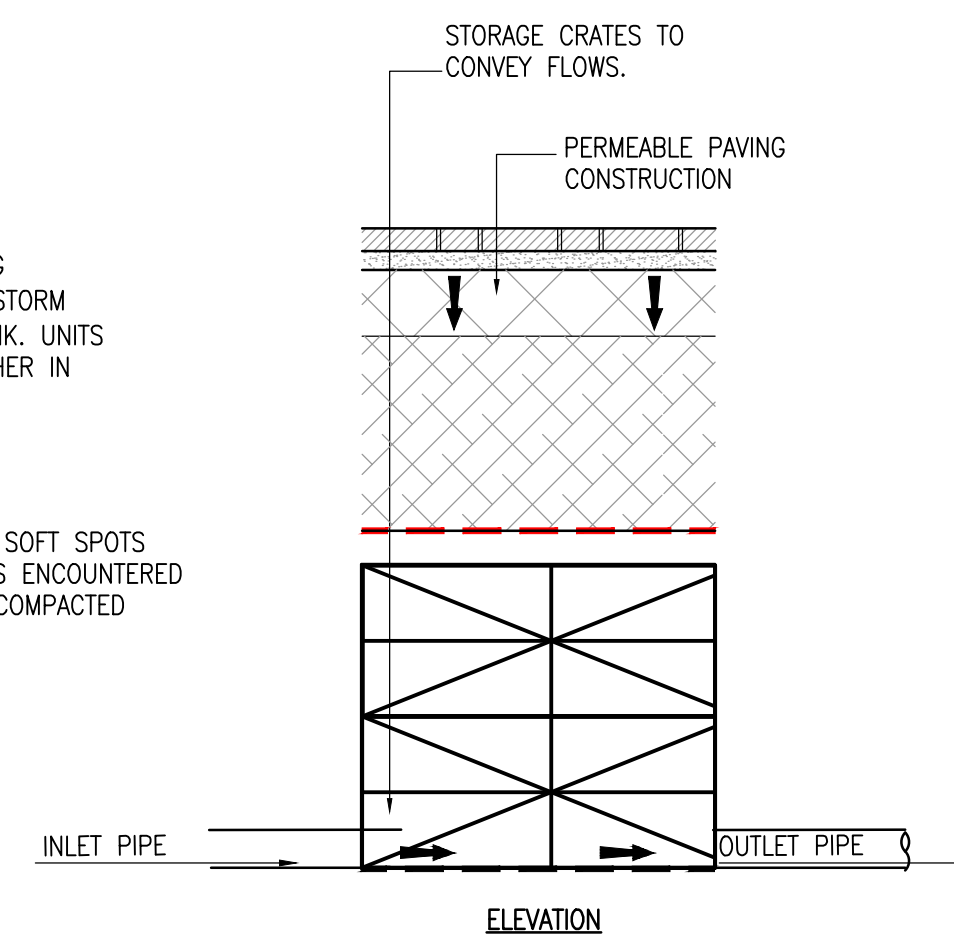
3. COVERS AND FRAMES

ALL INSPECTION CHAMBER COVER AND FRAMES TO HAVE THE TOP SURFACE IN ALIGNMENT WITH BOTH THE LONGITUDINAL AND TRANSVERSE GRADIENTS OF ADJACENT ROADS, DRIVES, FOOTWAYS AND VERGES. THEY ARE OTHERWISE TO BE LAID LEVEL. ALL COVER LEVELS AS SHOWN ON THE DRAINAGE LAYOUT/LONGSECTION ARE APPROXIMATE. ACTUAL COVER LEVELS ARE TO BE DETERMINED ON SITE FROM THE POSITION IN THE ROAD, DRIVE, FOOTPATH OR OTHERWISE.

BRICKWORK AND PRE-CAST CONCRETE:

- i) PRIVATE DRIVES ACCEPTING VEHICLE TRAFFIC: BSEN124 CLASS D400 600MM CLEAR OPENING, SOLID TOP COVER AND FRAME.
 - ii) FOOTPATHS, VERGES AND GARDENS: BSEN124 CLASS B125, 600MM CLEAR OPENING, SOLID TOP COVER AND FRAME.
- POLYPROPYLENE:
- iii) AREAS ACCEPTING VEHICLE TRAFFIC: CLASS B
 - iv) SOFT LANDSCAPED AREAS: CLASS C

4. PIPES TO BE AS FOLLOWS:
100 INTERNAL (110 NOM. DIA.) – UPVC
150 INTERNAL (160 NOM. DIA.)
5. THE CONTRACTOR/DEVELOPER IS TO ENSURE THAT ALL OF THE WORKS COMPLY WITH THE FOLLOWING:
 - i) BS EN 752 (DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS)
 - ii) THE BUILDING REGULATIONS: APPROVED DOCUMENT H 2000 (2002 REVISION)
 - iii) NHBC TECHNICAL REQUIREMENTS
 - iv) BRE SPECIAL DIGEST 1: 2005
6. THE STORAGE AND INSTALLATION OF ALL PROPRIETARY DRAINAGE ITEMS USED ARE TO BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
7. A BRICK RELIEVING ARCH SHALL BE TURNED OVER ALL PIPES WHERE THEY PASS THROUGH THE WALLS OF A BRICK INSPECTION CHAMBER.
8. PIPES ENTERING INSPECTION CHAMBERS SHALL HAVE A FLEXIBLE JOINT WITHIN 150MM OF THE OUTER FACE OF THE BRICKWORK OR CONCRETE SURROUND.
9. FOLLOWING THE FLEXIBLE JOINT FROM EITHER A PRECAST OR BRICK INSPECTION CHAMBER(NOTE 7 ABOVE) A 'ROCKER PIPE' OF 600MM LENGTH SHALL BE INSTALLED.
10. WHERE PRECAST CONCRETE INSPECTION CHAMBERS ARE CONSTRUCTED WHOLLY ABOVE THE WATER TABLE, JOINTS SHALL BE SEALED WITH MORTAR. IN WATERLOGGED GROUND OR WHERE THE WATER TABLE IS ABOVE THE BASE SLAB, JOINTS SHALL BE WATER TIGHT USING A MASTIC SEALANT OR RUBBER RINGS OF A TYPE SUITABLE TO THE CHAMBER UNITS.
11. MORTAR
MORTAR SHALL BE MIXED ONLY AS AND WHEN REQUIRED. THE RELEVANT PROPORTIONS INDICATED IN THE FOLLOWING TABLE, UNTIL ITS COLOUR AND CONSISTENCY ARE UNIFORM. THE CONSTITUENT MATERIALS SHALL BE ACCURATELY GAUGED, ALLOWANCE BEING MADE FOR BULKING OF SAND.



* FIRST ISSUE		MW	NB	AW	06.08
REV.	AMENDMENTS:	DRN	CHK	APP.	DATE
PROJECT:					
CHEALDANE LANE WITHERLEY					
DRAWING TITLE:					
PRIVATE DRIVE CONSTRUCTION DETAILS					
CLIENT:					
A.R. CARTWRIGHT CONSTRUCTION LTD					
DRAWING NUMBER:					
20652_02_080_03					
REVISION:		SHEET SIZE:		SCALE:	
-		A1		AS SHOWN	
STATUS:					
FOR INFORMATION / APPROVAL					
 MEC Consulting Development Engineers			Telephone: 01530 264 753 Email: group@m-ec.co.uk Website: www.m-ec.co.uk		
			ORDINANCE SURVEY © CROWN COPYRIGHT 2015. ALL RIGHTS RESERVED. LICENCE NUMBER 10005865		