

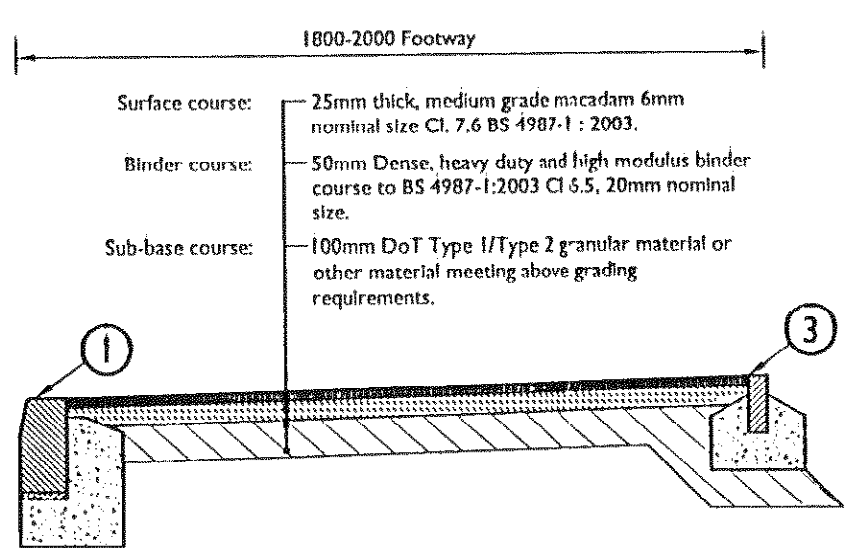
CONTRACTOR TO ASSUME MAXIMUM CAPPING LAYER THICKNESS PRIOR TO CONFIRMATION OF CBR TESTING.

NOTE: 450MM MINIMUM OVERALL CONSTRUCTION MUST BE MET IN COMPLIANCE WITH FROST SUSCEPTIBILITY, IRRESPECTIVE OF SUBGRADING CBR VALUE.

All areas regarded as 'soft spots' are to be excavated and replaced with suitable material within the extents of new Public Highway/Private access roads. The contractor must assess areas of former foundations and trees to ensure and 'soft spots' are dealt with satisfactorily.

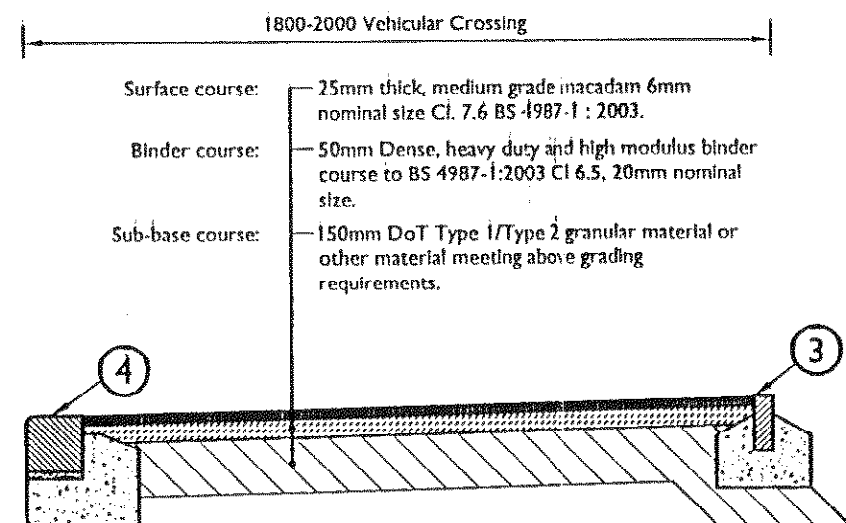
CBR VALUE	CAPPING LAYER THICKNESS	SUB BASE THICKNESS
15% - 30%		150mm
5% - 15%		225mm
2% - 5%	350mm	150mm
< 2%	600mm	150mm

CONFIRMED CBR % = TBC



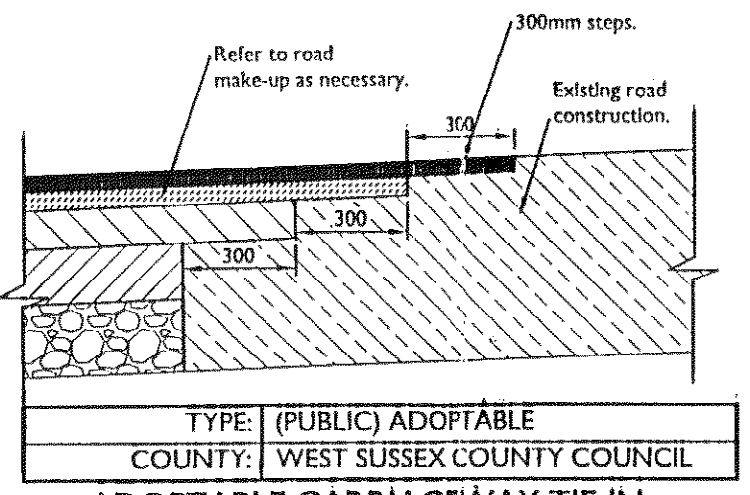
TYPE: (PUBLIC) ADOPTABLE
COUNTY: WESSEX COUNTY COUNCIL
DRAIN CLASS: Impermeable
LOADING: PEDESTRIAN

ADOPTABLE FOOTWAY CONSTRUCTION
(Scale 1:20)



TYPE: (PUBLIC) ADOPTABLE
COUNTY: WESSEX COUNTY COUNCIL
DRAIN CLASS: Impermeable
LOADING: VEHICULAR & PEDESTRIAN

ADOPTABLE FOOTWAY CROSSOVER CONSTRUCTION
(Scale 1:20)



TYPE: (PUBLIC) ADOPTABLE
COUNTY: WEST SUSSEX COUNTY COUNCIL
ADOPTABLE CARRIAGEWAY TIE-IN
(Scale 1:20)

STANDARD NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER OPUS DRAWINGS, AND WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATION.
- NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING, UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METRES FROM THE SITE DATUM.
- ALL DIMENSIONS TO BE CHECKED ON SITE. ALL DETAILS AND DIMENSIONS RELATING TO SUB-CONTRACTORS WORK MUST BE CHECKED AND AGREED BETWEEN THE SUB-CONTRACTOR OR SUPPLIER AND THE GENERAL CONTRACTOR.
- THE ELECTRONIC INFORMATION FROM THIS DRAWING CAN NOT BE GUARANTEED AS DIMENSIONALLY EXACT. FIGURED DIMENSIONS MUST BE USED FOR SETTING OUT AND DETAILING. OPUS LOGOS AND COMPANY INFORMATION MUST BE REMOVED FROM COPIES IF REFORMATION IS RE-USED.
- THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.
- THE MAIN CONTRACTOR IS RESPONSIBLE FOR ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
- ANY INFORMATION GIVEN REGARDING EXISTING UNDERGROUND SERVICES IS GIVEN IN GOOD FAITH AFTER CONSULTATION WITH THE RELEVANT AUTHORITY, HOWEVER ACCURACY IS NOT CERTAIN. THE MAIN CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL INFORMATION ON SITE PRIOR TO WORK COMMENCING AND TAKING DUE CARE AND ATTENTION WHILE UNDERTAKING THE WORKS.
- THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.

DRAINAGE NOTES:

- ALL WORKS TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH SPECIFICATION OF THE LOCAL AUTHORITY, BS8301 1985 & BSEN 1752-1.
- ALL PIPE RIMS NEAR BUILDINGS TO COMPLY WITH THE BUILDING REGULATIONS 2002 PART III, WHERE A PIPE IS WITHIN 1M OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION. WHERE THE TRENCH IS FURTHER THAN 1M FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE FOUNDATION EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150MM. IN BOTH CASES THE PIPE SHALL BE BEDDED AND SUPPORTED IN 150MM THICK CLASS GEN3 CONCRETE.
- WHERE PIPES, EXTERNAL TO THE STRUCTURES, HAVE A DEPTH TO SOFFIT FROM GROUND LEVEL OF LESS THAN 450MM THEY SHALL HAVE A CLASS GEN3 CONCRETE ENCASEMENT (150MM THICK).
- WHERE A PIPE, UNDER A CARRIAGEWAY, HAS A DEPTH OF COVER OF LESS THAN 1.2M THE PIPE SHALL BE LAID IN A CLASS Z BEDDING.
- IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (P/BREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 9M CENTRES (CONCORDING WITH PIPE JOINTS). THE BOARDS SHALL BE FIVE-OUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 10MM FOR PIPES UP TO 450MM NOMINAL DIAMETER AND 30MM FOR PIPES OVER 450MM NOMINAL DIAMETER.
- ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BSEN 1752-1, UNLESS OTHERWISE SPECIFIED BUILDING DRAINAGE SHALL BE 100MM DIAMETER AND SHALL BE LAID AT A MINIMUM GRADIENT OF (CL/SEC = 1 IN 40)/0.1/SEC = 1 IN 80 FOR FOG DRAINS AND 1 IN 80 FOR SURFACE WATER DRAINS. ALL BUILDING DRAINS SHALL BE LAID IN CONJUNCTION WITH 'NON ADOPTIVE BEDDING DETAILS' (CLASS D, N or B) UNLESS OTHERWISE SPECIFIED.
- ALL PIPES, BENDS AND JUNCTION MATERIALS SHALL BE VITRIFIED CLAY, EXTRA STRENGTH OR SUPER STRENGTH TO BS EN 205:1991, WITH FLEXIBLE JOINTS AND RITHTANK CERTIFIED. ALTERNATIVELY ALL PIPES AND FITTINGS CAN BE UPVC CONFORMING TO BS4460 AND BS5483:1989 AS APPROPRIATE AND SHALL BE LAID IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. IF UPVC PIPES ARE TO BE USED THEN THE MANUFACTURER SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL GULLIES TO BE ROADABLE OR CONNECTED TO INSPECTION CHAMBERS.
- ALL GULLY CONNECTIONS OTHER THAN AT MANHOLES TO BE 'Y' JUNCTIONS.
- GULLIES CONCORDANT WITH PEDESTRIAN/DRIVE CROSSINGS TO HAVE PEDESTRIAN TYPE GULLY COVERS.
- ALL ROAD GULLY CONNECTIONS TO BE 150MM DIAMETER.
- ALL STUB STACKS TO BE FITTED WITH AIR ADMITTANCE VALVES WHERE DRAIN DRAIN EXCEEDS 12M EXCEPT AT THE HEAD OF THE RUN. SOIL VENT PIPES LOCATED AT THE HEAD OF A RUN TO BE INSTALLED WITH ROOF TILE VENT.
- ALL CONNECTIONS TO BE SOFFIT TO SOFFIT.
- TRENCH TEMPORARY FORMWORK IS REQUIRED TO ALL EXCAVATIONS EXCEEDING 1.2M DEPTH TO PROVIDE ADEQUATE SUPPORT AND STABILITY AT ALL TIMES.
- SEWERS EXCEEDING 1.2M DEPTH TO BE CONSTRUCTED IN SINGLE SECTIONS BETWEEN MANHOLES ONLY. TRENCHES TO BE BACKFILLED PRIOR TO EXCAVATING THE SUCCEEDING SEWER RUN.
- SEWERS EXCEEDING 1.2M DEPTH TO BE CONSTRUCTED IN SINGLE SECTIONS BETWEEN MANHOLES ONLY. TRENCHES TO BE BACKFILLED PRIOR TO EXCAVATING THE SUCCEEDING SEWER RUN.
- ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE 363 FOR SUBPHATES.
- WHERE SEWER OR DRAIN ARE TO BE ABANDONED THEY SHALL BE REMOVED OR INFILLED BY GRouting IN ACCORDANCE WITH THE CIVIL ENGINEER SPECIFICATION FOR THE WATER INDUSTRY 6TH EDITION, CLAUSE 5.2.5.

ADOPTABLE NOTES:

- ALL ADOPTABLE SEWERS SHALL BE IN STRICT ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION. UNLESS OTHERWISE STATED ADOPTABLE SEWERS SHALL BE 150MM DIAMETER AND SHALL BE LAID IN A CLASS S BEDDING. WHERE THE DEPTH TO SOFFIT IS LESS THAN 1.2M UNDER A PUBLIC HIGHWAY OR 0.9M ELSEWHERE THE PIPE SHALL BE LAID WITH A CONCRETE SLAB BRIDGING PROTECTION.
- ALL SOAKAWAY AND/OR INFILTRATION PITS TO SATISFY BUILDING CONTROL OFFICER/ENVIRONMENT AGENCY.
- ALL ADOPTABLE ROADWORK SHALL BE IN STRICT ACCORDANCE WITH THE LOCAL AUTHORITY SPECIFICATIONS.
- ALL MATERIALS TO BE AGREED WITH THE LOCAL AUTHORITY PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL FINISHED FLOOR LEVELS SHOWN ARE FOR GUIDANCE ONLY AND MAY NEED TO BE ADJUSTED ON SITE, SUBJECT TO APPROVAL.
- ANY DAMAGE CAUSED TO THE ADJACENT HIGHWAY AS A RESULT OF THE DEVELOPMENT WORK WILL BE REINSTATED AS NECESSARY FOLLOWING AGREEMENT WITH WSCC HIGHWAY INSPECTOR.
- NO PRIVATE AREAS TO DRAIN ONTO AREAS ALREADY ADOPTED AND NO PRIVATE SURFACE WATER DRAINAGE TO BE DISCHARGED INTO ANY HIGHWAY GULLY, HIGHWAY SURFACE WATER DRAIN, MANHOLE OR SOAKAWAY MAINTAINED BY WSCC.
- MANHOLE COVERS AND FRAMES SITUATED IN THE CARRIAGEWAY AND VEHICULAR ACCESSES SHALL BE CLASS D400 COVER AND FRAME 675x675mm CLEAR OPENING IN ACCORDANCE WITH EN 124.
- MANHOLE COVERS AND FRAMES SITUATED IN AREAS OTHER THAN THE CARRIAGEWAY AND VEHICULAR ACCESSES SHALL BE TO EN 125 CLASS B125 COVER AND FRAME 675x675mm CLEAR OPENING.

PRELIMINARY

P2	GENERAL AMENDMENTS	23.03.09	DLS	HJA
P1	INITIAL ISSUE	31.01.08	DF	HJA
Rev.	Description	Date	Drawn	Reviewed



Fareham Office
Opus International Consultants (UK) Ltd
Modulus House
Salters Lane
Fareham
Hampshire
PO16 0GZ
Telephone: 01329 622021
Facsimile: 01329 625274
Website: www.opusinternational.co.uk
email: fareham@opusinternational.co.uk

Client:	HAMPSHIRE DEVELOPMENTS LTD	Project:	REDEVELOPMENT AT THE HOMESTEAD & SUNNY SIDE	DRUG DISTRICT COUNCIL
Drg.Title:	CONSTRUCTION DETAILS (ADOPTABLE) SHEET 1	No.	27	69
Scale:	As Shown	Drawn:	DMF	Reviewed: MJA
Drg.No:	6902(A)310	Rev:	P2	Date: FEB 08
Status:	PRELIMINARY	Dips:		

ALL FULL LENGTH PCC KERBS ARE TO BE MECHANICALLY HANDLED.

