

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		

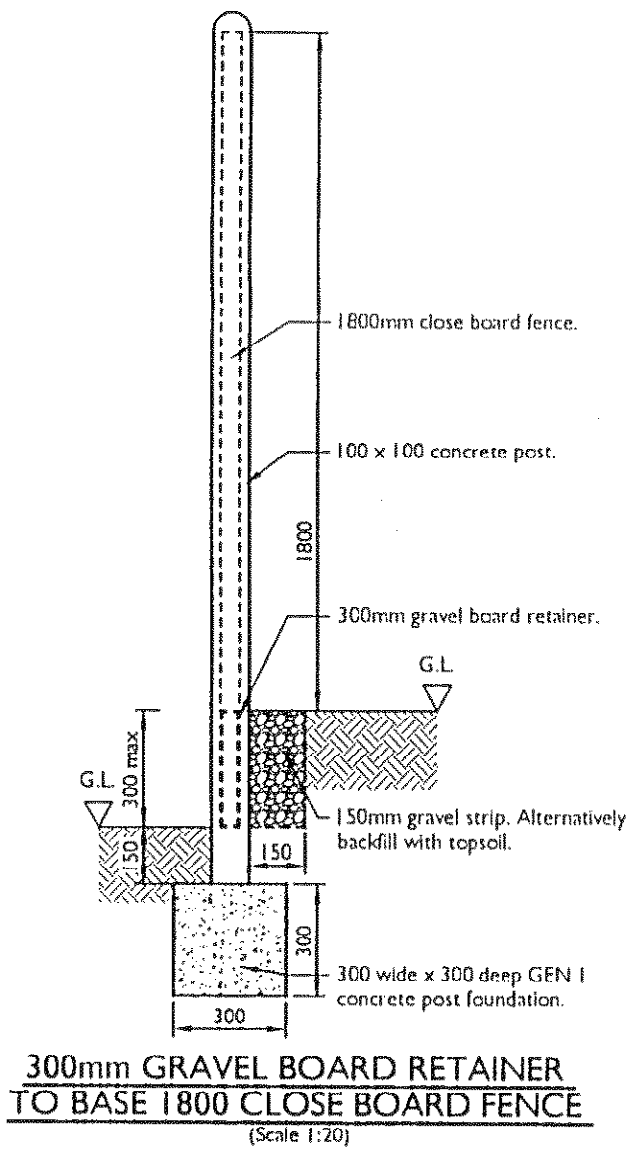
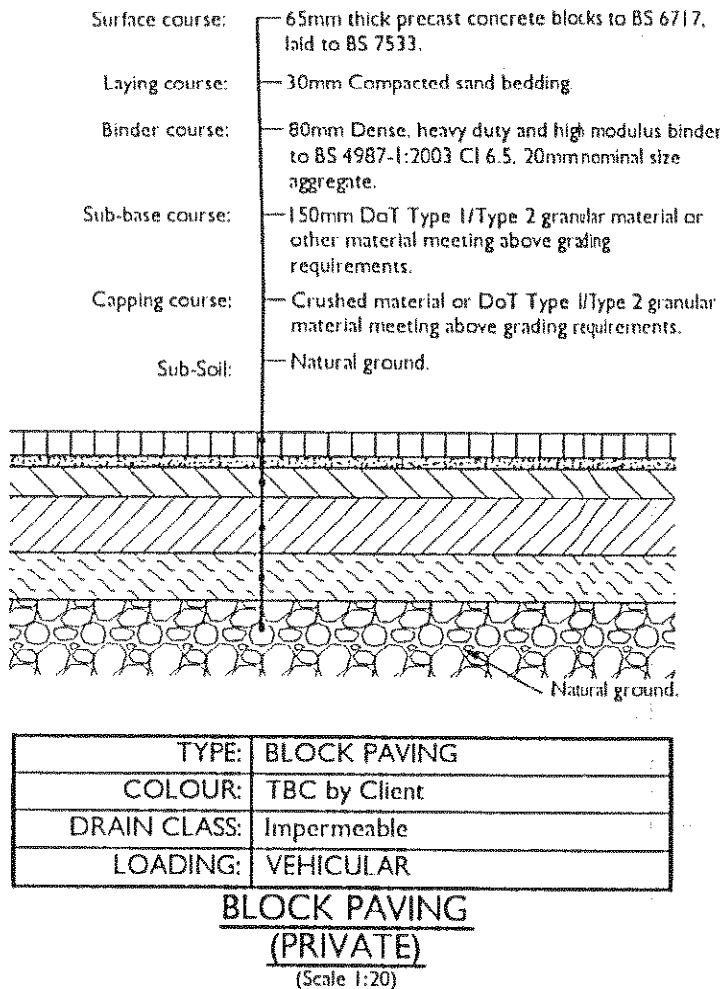
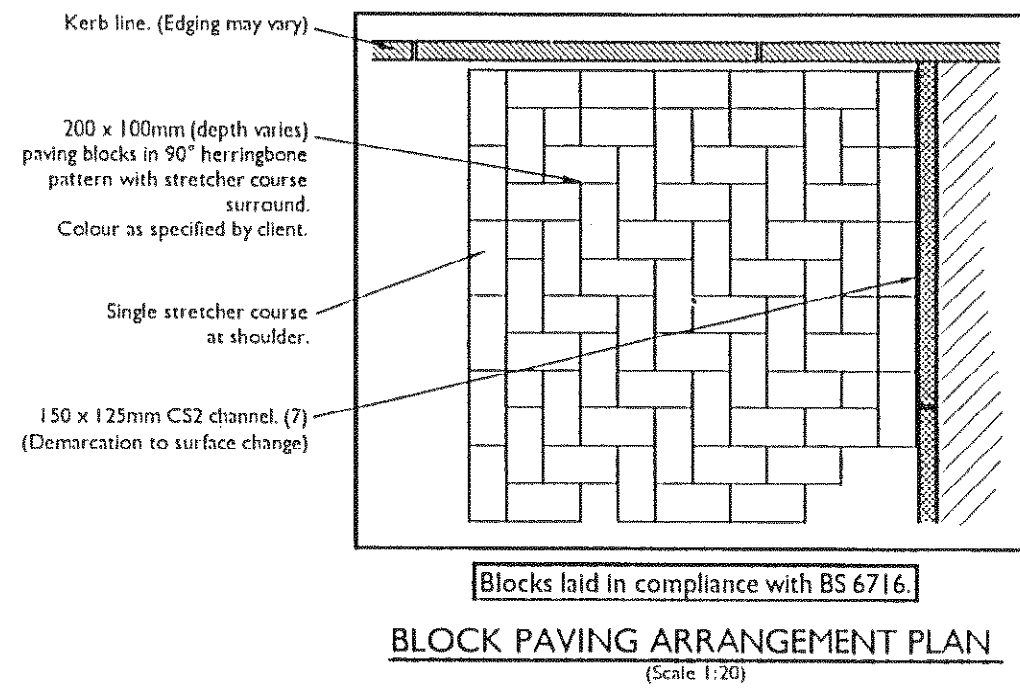
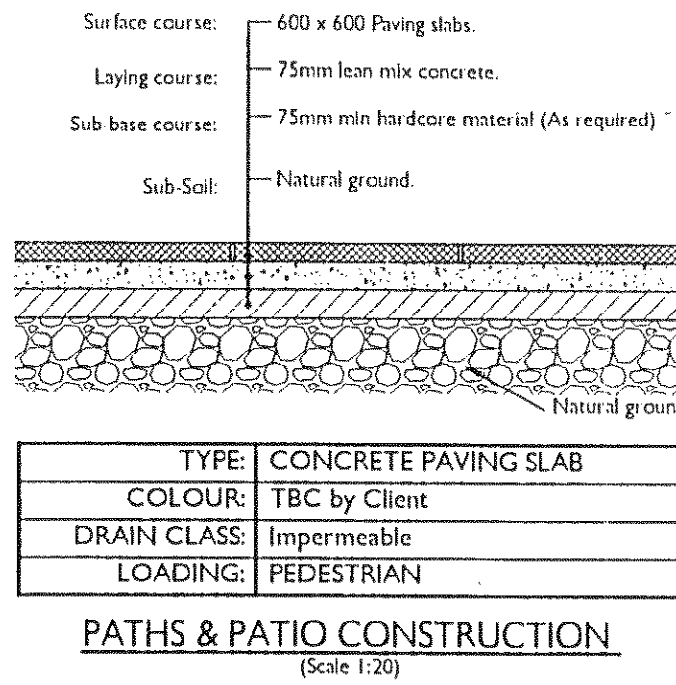
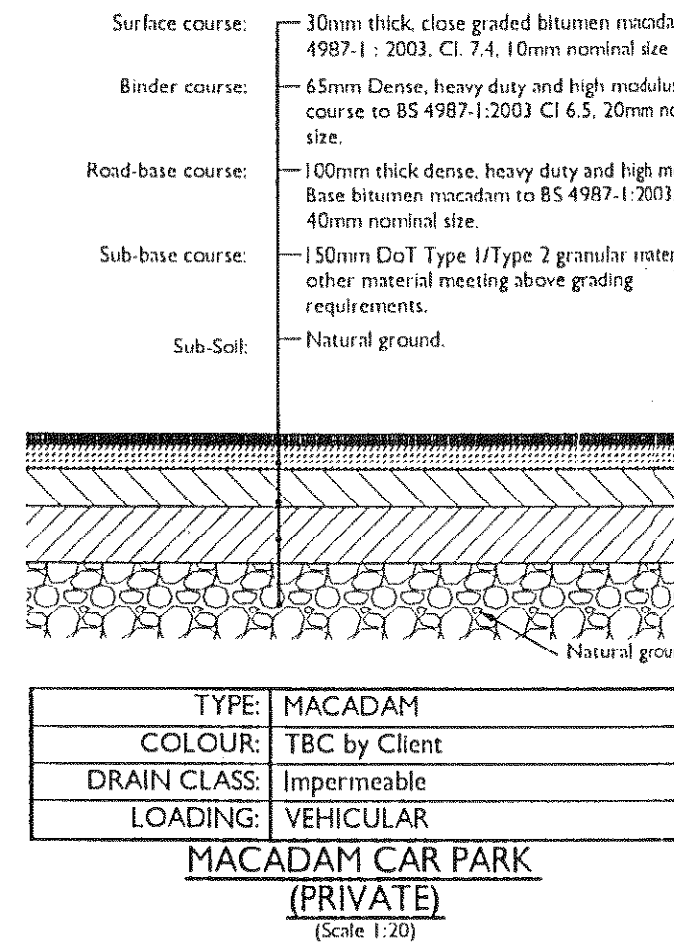
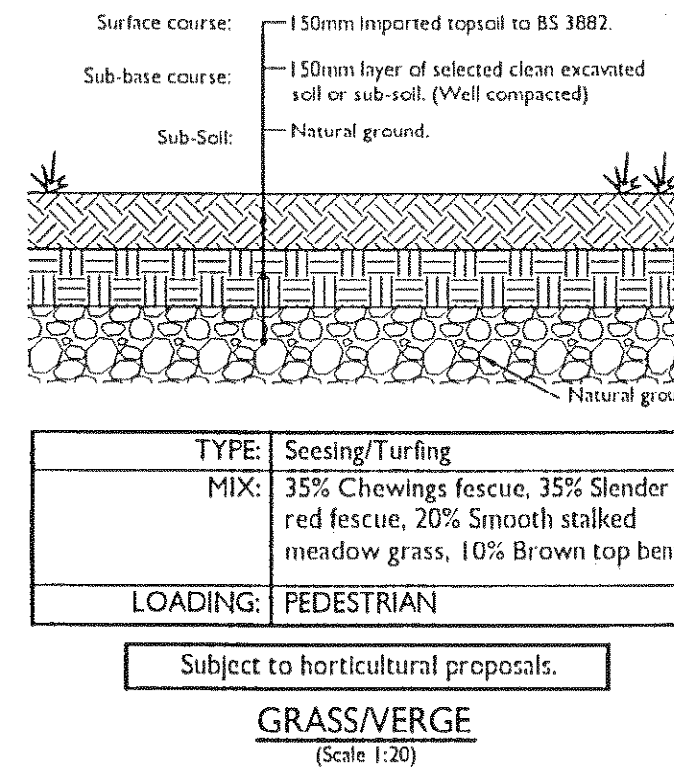
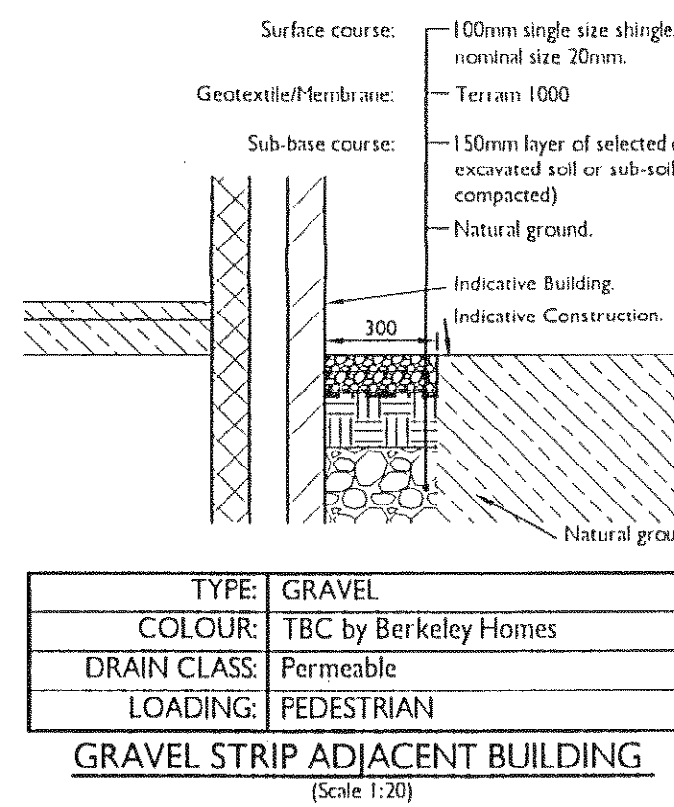
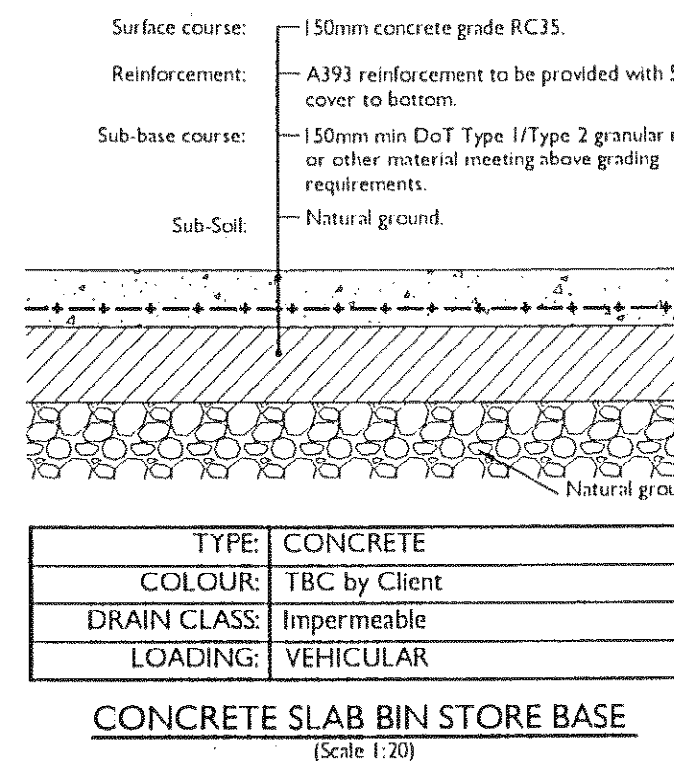
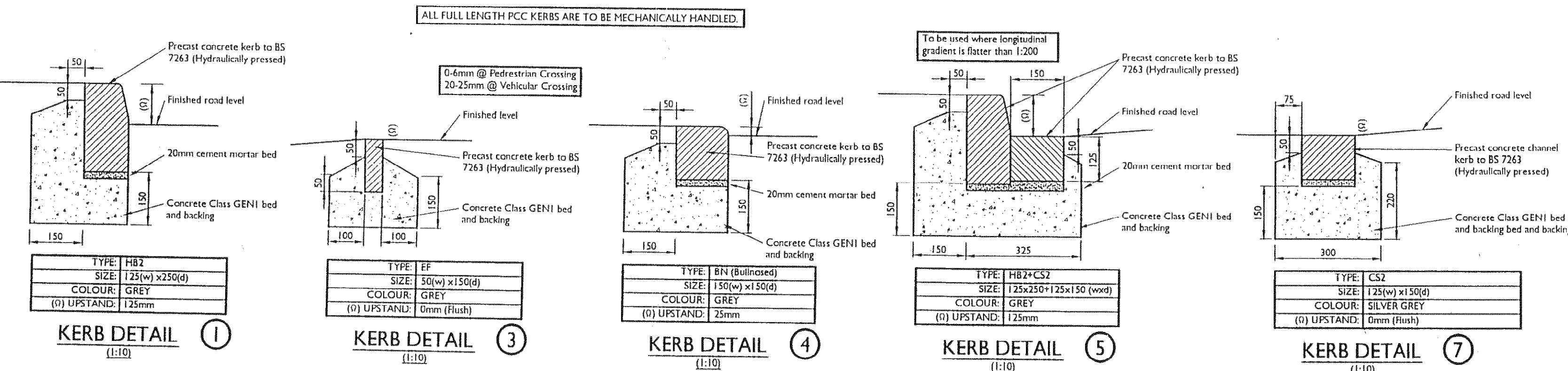
(F) BINDER COURSE ALTERNATIVE

This may be installed as either bitumen or concrete as follows:

- 1) 100mm Dry lean mix concrete to DTP clause 807.
- 2) 100mm Cement Bound Material Category 3 (CBM3) to DTP clauses 1001 & 1002. BS5328: Part 2 Designed Mix Grade = C10.

PRIVATE DRIVES NOTE:

Contractor to excavate all topsoil to achieve a competent formation in the existing subsoil strata. Any make up back to the minimum formation levels shall be constructed in DoT Type 1 granular material or other material meeting above grading requirements.



STANDARD NOTES:

1. 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.
2. NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS FROM THE SITE DATUM.
3. 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.
4. THE ELECTRIC INFORMATION FROM THIS DRAWING CAN NOT BE GUARANTEED AS DIMENSIONALLY DRAIN EXACT. FIGURED DIMENSIONS MUST BE USED FOR SETTING OUT AND DETAILING. OPUS LOGOS AND COMPANY INFORMATION MUST BE REMOVED FROM COPIES IF INFORMATION IS RE-USED.
5. 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.
6. THE MAIN CONTRACTOR IS RESPONSIBLE FOR ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
7. 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 WHILST UNDERTAKING THE WORKS.
8. THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.

DRAINAGE NOTES:

1. ALL WORKS TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH SPECIFICATION OF THE LOCAL AUTHORITY, BS8001:1985 & BS EN 752-1.
2. ALL PIPES 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 SURROUNDED IN 150MM THICK CLASS GEN3 CONCRETE.
3. 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 ENCASMENT (50MM THICK).
4. WHERE A PIPE, UNDER A CARRIAGEWAY, HAS A DEPTH OF COVER OF LESS THAN 1.2M THE PIPE SHALL BE LAID IN A CLASS 2 BEDDING.
5. IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (FIBREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 8M CENTRES (CONFORM WITH PIPE JOINTS). THE BOARDS SHALL BE PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 18MM FOR PIPES UP TO 450MM NOMINAL DIAMETER AND 30MM FOR PIPES OVER 450MM NOMINAL DIAMETER.
6. ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BS EN 752-1. UNLESS OTHERWISE SPECIFIED BUILDING DRAINAGE SHALL BE 100MM DIAMETER AND SHALL BE LAID AT A MINIMUM GRADIENT OF (1/100) SEC = 1 IN 100 (1/100) SEC = 1 IN 100 FOR 700L 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.
7. ALL PIPES, BEDS AND JUNCTION MATERIALS SHALL BE VITRIFIED CLAY, EXTRA STRENGTH OR SUPER STRENGTH TO BS EN 1205:1991, WITH FLEXIBLE JOINTS AND KITE/MARK CERTIFIED. ALTERNATIVELY ALL PIPES AND FITTINGS CAN BE UPVC CONFORMING TO BS 4660 AND BS EN 1228 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.
8. ALL GULLIES TO BE ROADABLE OR CONNECTED TO INSPECTION CHAMBERS.
9. ALL GULLY CONNECTIONS OTHER THAN AT MANHOLES TO BE 'Y' JUNCTIONS.
10. GULLIES CONCURRENT WITH PEDESTRIAN/DRIVE CROSSINGS TO HAVE PEDESTRIAN TYPE GULLY COVERS.
11. ALL ROAD GULLY CONNECTIONS TO BE 150MM DIAMETER.
12. ALL STUB STACKS TO BE FITTED WITH AIR ADMITTANCE VALVES WHERE BRANCH DRAINS EXCEED 12M EXCEPT AT THE HEAD OF THE RUN. SOIL VENT PIPES LOCATED AT THE HEAD OF A RUN TO BE INSTALLED WITH ROOF VENT TIE.
13. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT.
14. TRENCH TEMPORARY FORTIFICATION IS REQUIRED TO ALL EXCAVATIONS EXCEEDING 1.2M DEPTH TO PROVIDE ADEQUATE SUPPORT AND STABILITY AT ALL TIMES.
15. SEWERS EXCEEDING 1.2M DEPTH TO BE CONSTRUCTED IN SINGLE SECTIONS BETWEEN MANHOLES ONLY. TRENCHES TO BE BACKFILLED PRIOR TO EXCAVATING THE SUCCEEDING SINKER RUN.
16. ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE 365 FOR SUPPLIERS.
17. WHERE SINKER OR DRAINS 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 5.23.

ADAPTABLE NOTES:

1. ALL ADAPTABLE SEWERS SHALL BE IN STRICT ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION, UNLESS OTHERWISE STATED ADAPTABLE SEWERS SHALL BE 150MM DIAMETER AND SHALL BE LAID IN A CLASS 5 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.
2. ALL SOAKAWAY AND/OR INFILTRATION PITS TO SATISFY BUILDING CONTROL OFFICER/ENVIRONMENT AGENCY.
3. ALL ADAPTABLE ROADWORKS SHALL BE IN STRICT ACCORDANCE WITH THE LOCAL AUTHORITY SPECIFICATIONS.
4. ALL MATERIALS TO BE AGREED WITH THE LOCAL AUTHORITY PRIOR TO THE COMMENCEMENT OF WORKS.
5. ALL FINISHED FLOOR LEVELS SHOWN ARE FOR GUIDANCE ONLY AND MAY NEED TO BE ADJUSTED ON SITE, SUBJECT TO APPROVAL.
6. ANY DAMAGE CAUSED TO THE ADJACENT HIGHWAY AS A RESULT OF THE DEVELOPMENT WORK WILL BE REINSTATED AS NECESSARY FOLLOWING AGREEMENT WITH HAMPSHIRE COUNTY COUNCIL HIGHWAY INSPECTOR.
7. 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 HAMPSHIRE COUNTY COUNCIL.
8. MANHOLE COVERS AND FRAMES SITUATED IN THE CARRIAGEWAY AND VEHICULAR ACCESSES SHALL BE CLASS D100 COVER AND FRAME 675x750mm CLEAR OPENING IN ACCORDANCE WITH EN 124.
9. MANHOLE COVERS AND FRAMES SITUATED IN AREAS OTHER THAN THE CARRIAGEWAY AND VEHICULAR ACCESSES SHALL BE TO EN 125 CLASS B125 COVER AND FRAME 675x750mm CLEAR OPENING.

ARUN DISTRICT COUNCIL

No. AL 27 CA DOG

PRELIMINARY
(RECEIVED)

PI	INITIAL ISSUE	31.01.08	DF	MJA
Rev.	Description	Date	Drawn	Reviewed
Fareham Office				
Opus International Consultants (UK) Ltd Modulus House Salterns Lane Fareham Hampshire PO16 0QS				
Telephone: 01329 822021 Facsimile: 01329 825274 website: www.opusinternational.co.uk email: fareham@opusinternational.co.uk				
Client:	WILSON HOME DEVELOPMENTS			
Project:	REDEVELOPMENT AT THE HOMESTEAD WESTERGATE			
Drg.Title:	CONSTRUCTION DETAILS (PRIVATE) SHEET 2			
Scale:	As Shown	Drawn:	DMF	Reviewed: MJA
Drg.No:	6902(A1)301	Rev:	P1	Date: FEB 08
Status:	PRELIMINARY	Dips:		