

1. Do not scale from this drawing.
2. All dimensions in metres.
3. All levels relate to ordnance datum.
4. This drawing is based on the latest Architectural planning layout and shall be read in conjunction with all other relevant longitudinal sections and construction drawings.
5. Any discrepancies with any of the drawings shall be reported to MJA Consulting Engineers.
6. The level and location of all existing services shall be verified on site by the Contractor before commencing any construction work.
7. Contractor must comply with all current legislation relating to CDM, Health and Safety and COSHH.
8. All material in excess of 20kg (i.e. kebs, manhole units cover etc.) shall be mechanically lifted and laid where possible at all times.
9. Manholes, sewers, headwalls and other structures intended to convey surface water or sewage are to be constructed in accordance with the Water Authorities Association specification "Sewers for Adoption" 7th edition and to Southern Water specification and addendum.
10. Gullies, gully connections, drains, manholes, catchpits, soakways, haecwalls and other drainage structures intended to convey highway water are to be constructed in accordance with the specification issued by West Sussex County Council.
11. All foul and storm water drains which are not to be adopted as public sewers under section 104 agreement shall be constructed using uPVC pipes or similar approved, bedded and backfilled in accordance with the manufacturers instructions and to the Building Regulations Part H, BS EN 752 & B.R.E. SD1.
12. All building drains to be 100mm dia laid at a minimum gradient of 1 in 60 (FW) and 1 in 80 (SW) unless otherwise shown.
13. Sewers and drains of different diameters should be laid soffit to soffit.
14. Inspection chambers on private drains shall be non-access preformed polypropylene.

Depth to invert	Minimum size
< 1.2m	DN450
> 1.2m	DN600

15. Position of soil pipes, substacks, WC outlets rainwater downpipes etc positions shall be checked against architects house type drawings to ensure compatibility.
16. Where back line gullies are used they should be "addable".
17. All sub stacks to be fitted with air admittance valve where branch drain exceeds 12m except at need of run.
18. Rainwater downpipes to be connected directly to drains via removable adaptor to permit access for rodding.
19. Positions of yard and house gullies are nominal and may be adjusted or size, apron drain to be installed at the end of all drives falling towards the public highway. All gully gratings in drives and parking areas should be of sufficient strength to withstand vehicular loading.
20. Lintels or sleeves are to be provided for drains passing through foundation brickwork.
21. All gully connections to be 150 dia. uPVC ultrarib or similar.
22. All gully connections other than at manholes to be "v" junctions
23. All drain runs are to be flushed through and bulking materials removed where necessary at the time of final test by Building Inspector and prior to occupation.
24. All soakways to be positioned a minimum of 5.0m from buildings (where utilized)
25. All finished floor levels are shown on the drawing for guidance only and may need to be adjusted on site, however there is to be no conc diversion without prior approval.
26. All drives are to have a crossfall or gradient of 1:40 minimum. Maximum drive gradient on down slope to be 1 in 10 and 1 in 8 on up slopes.
27. Continuous edging to be laid at rear of service margin.

Proposed Adoptable Sewers:

All private inspection chambers shall be polypropylene non-access chambers in accordance with The Building Regulations, Part H.

Chamber sizes:
Depth to invert <1.2m DN450
Depth to invert >1.2m DN600

Invert levels shown thus: F10.00 S10.00

Primary mobility cccase	↓	
Stepped Cavity Tray	SCT	
External Erickwork		
	EXT BWK	
Tenking	T T T	
Slob on Edge	SOE	

Orchard Caravan Park

PRELIMINARY

D	1007.18	Updated to accord with the latest planning layout of the 90 unit scheme.	JRV
C	1037.18	Flow control chamber and headwall notes added to plan.	JRV
B	3005.18	Substation removed, as instructed by client. Position of slots 9 and 10 amended in accordance with latest planning layout; designated parking spaces also revised to accommodate. Private drainage updated in accordance with revised working drawings.	JRV
A	3001.18	Drawing N/C	CTG
REV. No.	DATE	DESCRIPTION	INITIALS

Client	 
Project	  New Barn lane North Bersted
Title	Drainage Design 90 Lf. Schems Sheet: 1
Scale	1:250 @ AO Checked
Date	Feb'17 Drawn: CTG
Drawing No.	LHS232-10C1
Rev	D