



15/00139/WL

02 MAR 2015

#### UNDERGROUND PIPEWORK

To comply with BS 8310:1985. UPVC pipework to be laid on and surrounded with min 100mm pea (3/8) shingle. Pipe bedding and backfill to be in accordance with Approved document H (part H1 Diagram 10 Flexible pipework). All pipework to have a minimum of 600mm cover (where not under roads) as indicated in Approved Document H 2002 (part H1 tables 8,9&10) if less than 600mm cover then protection is required in the form of a concrete slab. There should be at least 75mm of granular fill (pea shingle) from the top of the pipe to the under side of the concrete slab all as approved document H

Unless otherwise stated pipework shall be laid to falls of not less than 1:40 drainage shall be 110mm UPVC laid as above described from w/c to cess pit tank

#### Cess pit tank capacity

1 Cubic m will hold 264.2 gallons of fluid Therefore  $2\text{m} \times 2\text{m} \times 2\text{m} = 8\text{m}^3$  therefore  $8\text{m}^3 \times 264.2 = 2114$  gallons. Assuming w/c are used 4 times per day which = 28 flushes per week with each flush producing 6 liters of fluid therefore  $6 \times 28 = 168$  liters of fluid per week therefore  $168 \times 52 = 8736$  liters used pa. 4.5 liters of liquid = 1 gallon therefore  $8736 \div 4.5 = 1941.3$  gallons therefore the tank will need to be emptied once pa. Should the membership of the club increase and the w/c usage were to increase then it would be the clubs responsibility to increase the emptying cycle

#### SANITARY PIPEWORK

All to comply with BS EN 12058-2-2000 and table 4 of AD part H all pipework to have long radius bends and head of drain to be vented to external air with terminal cap 900mm above any opening within 3000mm horizontally. All UPVC wastes to be in accordance with BS EN 1329 and installed to eliminate blockages and without creating cross flow, all pipework to be supported with clips at min 1000mm c/c

#### SINK WASTES

To drain separately into SVP at least 200mm from w/c connection to eliminate back or self siphonage

#### RODDING EYES

Shall be set at all changes of direction in order to make drainage fully accessible, all wastes to have 75mm deep seal anti siphon traps where pipework exceeds 1800 in length.

Pipework to be generally 40mm dia to sinks and 32mm to WHB's pipework to be 50mm where runs exceed 3000mm in length

No branch connections to be within 450mm of the base of a soil pipe connection.

Pipework can be connected into sanitary pipework with min 22mm pipework and 75mm condensation traps.

#### PLUMBING & ELECTRICAL SERVICES

All services shall be carried out by competent and qualified trades persons and duly tested and certified with copies forwarded to the L/A for approval



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| Client<br>Mr M Salmons<br>90, Sandringham Rd,<br>Southend-on-Sea,<br>Essex SS1 2UG |      |
| Project<br>W/c Facilities  |      |
| Drawing<br>Cess pit Tank Layout  |      |
| Scale<br>1:50  | Date |
| Dgn No<br>004  | Rev  |