



PRIVATE DRIVE CONSTRUCTION (PERMEABLE PAVING)

Diagram illustrating the cross-section of a floor assembly, showing the following layers and components:

- SURFACE COURSE
- LAYING COURSE
- INBITEX GEOTEXTILE
- * TEMPORARY RUNNING COURSE (IF REQUIRED)
- SUB BASE
- SC MEMBRANE

Additional details shown in the diagram:

- A 150mm DEEP HYDRAWAY FIN DRAIN / SUMP connected to a 100mm OUTLET PIPE.
- PIPE WITH TOP HAT SEAL. PIPE CONCRETE PROTECTED AS APPROPRIATE.
- A 'Fall' arrow indicating the direction of drainage.
- A vertical dimension line on the right indicates a minimum height of 700mm.

1. THE PLANNING, DESIGN AND CONSTRUCTION OF SEWERS SHALL BE IN ACCORDANCE WITH SENERS FOR APPROVED 7TH EDITION.
2. THE MINIMUM SIZE OF SEWER WHERE GASES, BAD SMELLS, OR OTHER SAFETY DEVICES ARE REQUIRED IN MANHOLES SHALL BE 375mm DIAMETER.
3. ALL TYPE 1 AND 2 MANHOLES SHOULD HAVE A CEILING SURROUND. CONCRETE RINGS SHALL BE SEALED USING "TOKTIPST" AND LETTING EYES POINTED WITH RESIN MODIFIED MORTAR.
4. COMPLIANCE WITH HEALTH AND SAFETY MATTERS ON ANY TRENCH/MANHOLE IS OBLIGATORY AND A PERMIT TO ENTER A CONFINED SPACE IS REQUIRED WHENEVER WORK IS DONE IN ACCORDANCE TO THE EXISTING PUBLIC SEWAGE SYSTEM. A PERMIT TO ENTER A CONFINED SPACE WILL BE OBTAINED FROM DOWN POWER TO WORKS COMMENCING ON ANY PUBLIC SEWERAGE SYSTEM.
5. WHERE THE PROPOSED SITE DRAINAGE CONNECTS TO THE PUBLIC SEWAGE SYSTEM, A NEW JUNCTION, NEW MANHOLE OR AT AN EXISTING MANHOLE OR AT AN EXISTING MANHOLE, IT WILL REQUIRE THE SUBMISSION OF AN APPLICATION FOR SEWER CONNECTIONS FORM DOWN POWER TO WORKS COMMENCING ON ANY PUBLIC SEWAGE SYSTEM.
6. MH COVERS AND FRAMES SHALL BE DUCTILE IRON WITH A MINIMUM SQUARE OPENING OF 150mm JAW LENGTH. NEW MANHOLE OR AT AN EXISTING MANHOLE OR AT AN EXISTING MANHOLE, IT WILL REQUIRE THE SUBMISSION OF AN APPLICATION FOR SEWER CONNECTIONS FORM DOWN POWER TO WORKS COMMENCING ON ANY PUBLIC SEWAGE SYSTEM.
7. PROPOSED ADAPTABLE SEWERS ARE ONLY PERMITTED TO HAVE OTHER SEWER/GULLY CONNECTIONS AND OTHER SERVICES Laid AT AN ANGLE OF BETWEEN 45° AND 90° ACROSS THE LINE WITH A VERTICAL CLEARANCE IN EXCESS OF 300mm.
8. ALL IRONWORK TO BE KITE MARKED BY BS OR CERTIFIED BY EQUAL INSPECTION AUTHORITY.
9. RED COLOURED PLASTIC MARKER TYPE AT LEAST 150mm WIDE SHALL BE Laid AT AN ANGLE OF 300mm ABOVE THE SURFACE OF THE PIPE. THE TYPE SHALL BE IDENTIFIED WITH THE WORDS "GRAVITY SEWER" IN BOLD CAPITAL LETTERS THROUGHOUT ITS LENGTH AND AT INTERVALS NOT EXCEEDING 700mm AND SHALL INCORPORATE A CORROSION RESISTANT TRACING SYSTEM FOR NON-METALLIC PIPES.
10. ALL WORKS TO BE ADAPTED UNDER THE SECTION 10 AGREEMENT SHALL BE INSPECTED BY DOWN IN ACCORDANCE WITH THEIR REQUIREMENTS (FOUL AND SURFACE WATER SEWERS).
11. ALL WORKS TO BE ADAPTED UNDER THE SECTION 38 AGREEMENT SHALL BE INSPECTED BY RCT IN ACCORDANCE WITH THEIR REQUIREMENTS (HIGHWAY DRAINAGE).
12. REFER TO LONGITUDINAL SECTIONS FOR DETAILS OF PIPE SIZES, INVERT LEVELS, DRAINAGE, ETC.
13. SUBJECT TO DRAINAGE AUTHORITY APPROVAL, PLASTIC PIPES FOR SEWER, 150mm, 200mm, 300mm ARE TO BE EITHER:-
 - MARLEY TRENCH SYSTEM
 - DUNLOP ULTRALITE SYSTEM
 - GOMA ULTRALITE SYSTEM
 - POLYSENER TRENCH SYSTEM
14. PLASTIC PIPES APPROVED BY DOWN FOR LARGER DRAINAGE GRAVITY SEWERS ARE:
 - POLYPIPE - ROSENBERG (400mm-600mm)
 - POLYPIPE - REGISTORAL XL (750mm-900mm)
15. ANY PROPOSED CHANGES TO THE MATERIAL MUST BE AUTHORISED BY DOWN.
16. SULPHATE RESISTING PORTLAND CEMENT SHALL BE USED FOR ALL CONCRETES AND MORTARS HAVING AVERAGE COMPRESSIVE STRENGTH OF 20N/mm² OR GREATER INCLUDING PRECAST CONCRETE PRODUCTS, UNLESS TESTS INDICATE OTHERWISE.
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DRAWN: TOR	CHIC: SJD	STATUS: Approval	SCALE: NTS @ A1	
DATE: June 2020		JOB NO.: 1914	DRG. NO.: 113-2	REV.: -