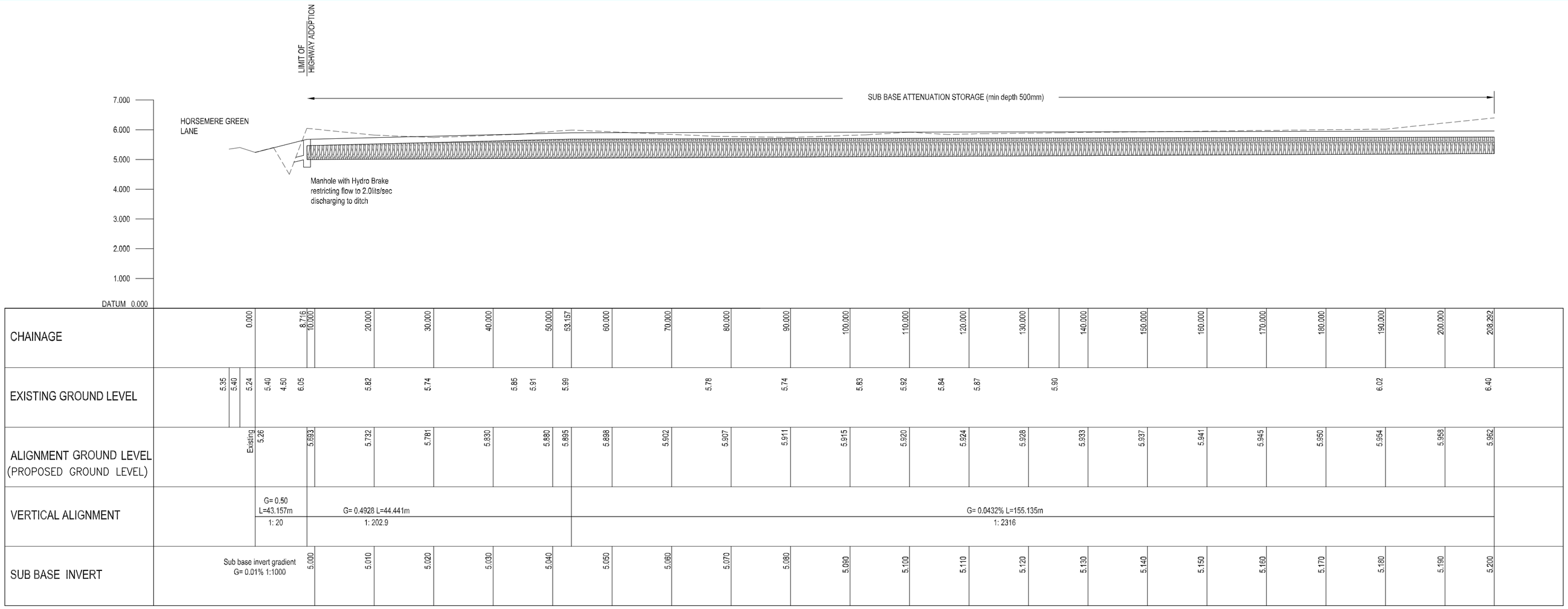
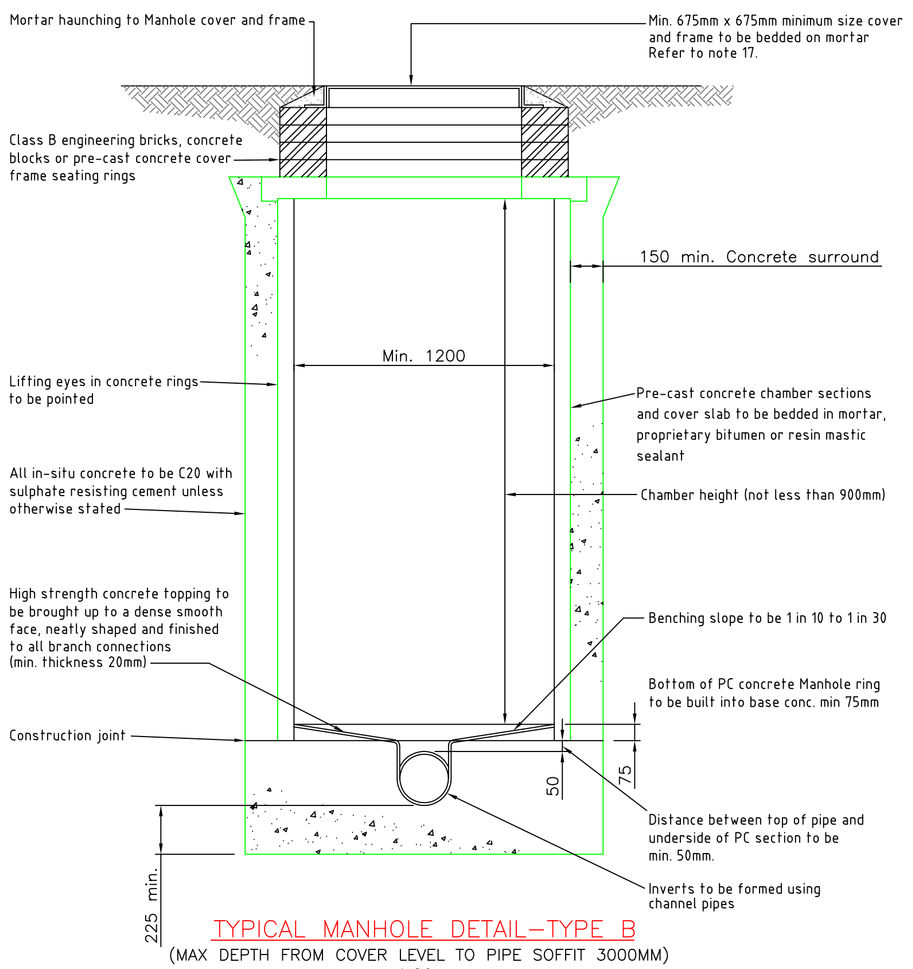


Notes:

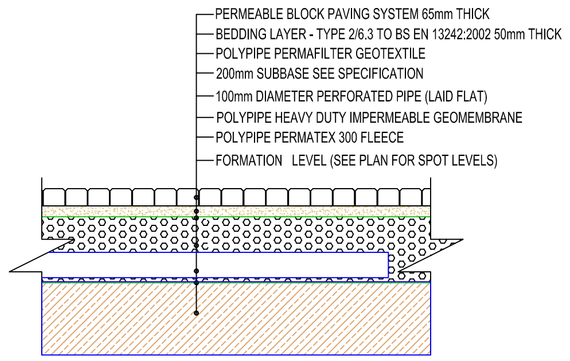
Sub base to have a minimum porosity of 0.4.
epg Type 4/20 to BS EN 13242 or similar approved by the engineer before construction works commence

Minimum sub base storage volume = 221.7 cu.m

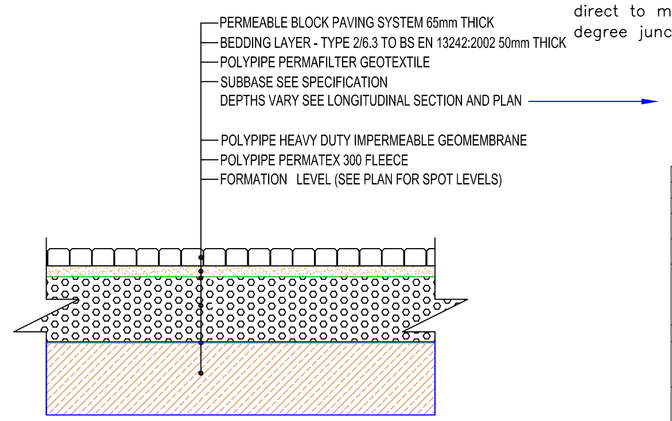


TYPICAL MANHOLE DETAIL–TYPE B
(MAX DEPTH FROM COVER LEVEL TO PIPE SOFFIT 3000MM)
1:20

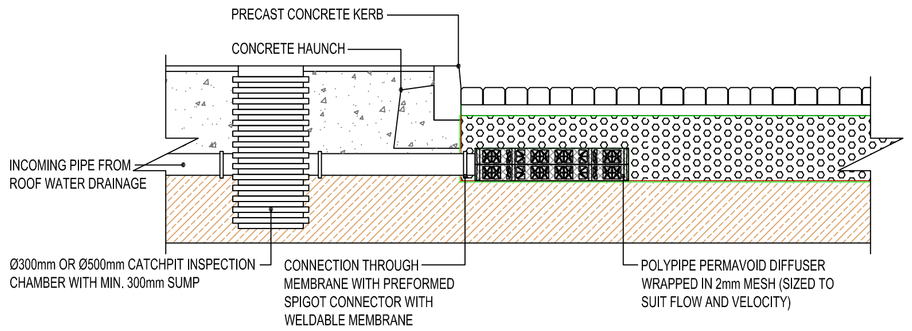
DO NOT SCALE THIS DRAWING



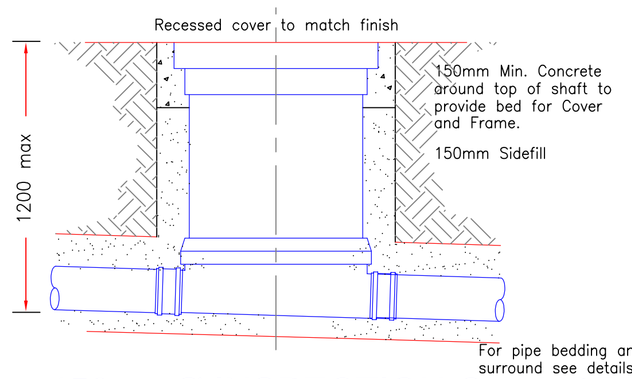
TYPICAL SECTION SHOWING PLOT DRIVEWAY CONSTRUCTION
SCALE 1: 20



TYPICAL SECTION SHOWING ACCESS ROAD CONSTRUCTION
SCALE 1: 20



STORM WATER DISCHARGE INTO PERMEABLE PAVING SYSTEM DETAIL



450mmØ INSPECTION CHAMBER TYPICAL INSTALLATION
(1:10)

NOTES

1. This drawing has been prepared using a Topographical survey drawing supplied by the client in AutoCAD format.

2. All dimensions are in millimetres unless specifically noted otherwise.

3. Levels are based on an assumed datum of 10.000m. Levels of SWA apparatus shown are based on this site datum and do not relate to OS levels.

4. All pipe connections to manholes shall be provided with a 'rocker pipe' of 600mm effective length in accordance with Cl. 4.6.6. of Sewers for Adoption 6th Edition.

5. Manholes to be constructed without step irons or ladders as required by Southern Water Authority.

6. All drainage and associated works are to comply with Part 5 – Civil Engineering Specification of Sewers for Adoption – Edition 6.

7. The contractor shall be responsible for setting out and the accuracy of all dimensions. He shall satisfy himself that the information given is correct, and any discrepancies shall be notified to the Engineer immediately.

8. In accordance with CDM2015 the contractor is to :–
– Notify H.S.E. of works.
– Comply with the requirements of the Health & Safety Plan (if applicable)
– Provide risk assessments and method statements for all potential hazardous works indicated on this drawing.

9. Any abandoned pipes or manholes are to be grubbed out. Contractor to undertake a CCTV survey to ensure that there are no connections to any apparatus to be abandoned that may be affected by these works. Any laterals found in survey to be connected to diverted sewer.

10. All changes of direction to be greater than 90°.

11. Contractor to ensure that existing sewer remains in service until diversion works are completed.

12. All domestic connections from the new development to be directed to new IC A.

13. Highway Authority approval may be required for installation of IC E which is located close to the public highway. Contractor to seek the proper approvals/permissions in due course.

15. New pipework to be vitrified clay type and to be constructed to the following specifications. Systems that are resistant to a jetting pressure of 4000psi. Systems that minimise the number of joints in the system, by using 3 metre pipe length. Systems that do not have lip seal joints, hence preventing root ingress.

16. The diameter of the sewer to be diverted is 150mm. The new 150mm diameter diversion pipe shown will be considered to be a minimum diameter.

17. Where connections are being made to pipelines rather than direct to manholes all connections to be made using oblique 45 degree junctions.

Specification for open graded sub-base for use as storage below pervious pavements (also Type C filter material for filter drains and soakaway backfill in accordance with SHW Clause 505) Type 4/20

Material to BS EN 13242

Material to comprise crushed rock, concrete or blast furnace slag or similar approved. Crushed gravel is not permitted.

Properties	Category to BS EN 13242 and BS 7533 Pt 13
Grading	Grading 4/20, Gc 85 – 15, GTc20/17.5
Fines content	f_4
Shape	FI_{20}
Resistance to fragmentation	LA_{40}
Durability: — Water absorption to BS EN 1097-6:2000, Clause 7 — For WA > 2 %, magnesium sulfate soundness	$WA_{24}2$ MS_{18}
Resistance to wear	$M_{DE}20$
Acid-soluble sulfate content: — aggregates other than air-cooled blast-furnace slag — air-cooled blast-furnace slag	$AS_{0.2}$ $AS_{1.0}$
Total sulfur: — aggregates other than air-cooled blast-furnace slag — air-cooled blast-furnace slag	< / = 1 % by mass < / = 2 % by mass
Volume stability of blast-furnace and steel slags: — air-cooled blast-furnace slag — steel slag	Free from dicalcium silicate and iron disintegration in accordance BS EN 13242:2002, 6.4.2.2 V_5
Leaching of contaminants	Blast furnace slag and other recycles materials should meet the requirements of the Environment Agency Waste Acceptance Criteria for inert waste when tested in accordance with BS EN 12457-3.

Compaction should be in 150mm layers with 4 passes of a smooth wheeled roller max weight of 1000kg/m width WITHOUT VIBRATION.

Date	By	Revision	QA'D	Chk'd	Ref

Status: APPROVAL

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Client: HERRINGATE UK LTD

Project: Land at Scyld, Littlehampton

Title: DRAINAGE DETAILS (1 of 2)

Date	DEC 2020	Scale	AS SHOWN	Drg. No.
Drawn	CMW	Chk'd EG	QA'D EG	424955–11P3

ARUN DISTRICT COUNCIL CM/11/15/DC