

Note: Plate soakaway to be constructed level to provide full storage capacity

DETAIL A : TYPICAL SECTION THROUGH POROUS PAVEMENT

Notes

1. This drawing shall be read in conjunction with all relevant Architects and Engineers drawings and specifications. All works shall comply with current Building Regulation requirements and materials installed in accordance with manufacturers recommendations
2. For details including trench soakaway refer to drawings G6445-SD1 & SD3
3. Levels indicated relate to arbitrary site datum. Contractor shall determine proposed site levels to establish invert levels for soakaways to achieve required cover and falls in connecting pipework (to be agreed with the Engineer prior to construction)
4. The proposed gravel hardstanding shall comprise a minimum 200mm thick Type 3 unbound granular subbase (minimum 30% voids - no fines) and surfaced with gravel to Client / Architects specification. The subbase is to comply with the requirements of the Specification for Highway Works (SHW) Clause 805, placed on Tensar Triax TX160 geogrid above a non woven geotextile filter, Terram 1000 or equivalent, and compacted in accordance with Clause 802.
5. An area of the subbase shall be prepared including the gravel surfacing and subject to a trafficking trial to establish acceptable performance of the materials including resistance to rutting and mixing of the layers. A surface containment system such as Bopave 85 or equivalent is to be provided in critical areas where improved performance is required by the Client.
6. Preformed silt traps Polypipe Ridgistorm Mini (250mm deep sump) or equivalent to be provided on inlets to soakaway as detail drg G6445-SD3.
7. Rainwater downpipes shall discharge via bottle gullies with removable gratings to allow access for cleaning and rodding.

HEALTH & SAFETY WARNINGS

Underground cables and pipework to be located prior to excavation.

OUTSTANDING DESIGN ISSUES :

- * Site levels to be confirmed by survey
- * Proposed landscaping and finished ground levels to be confirmed
- * House foundations and paving / roadway design by others
- * Existing underground service locations to be established
- * Drainage proposal requires approval of Planning Authority
- * Final detailing to comply with Building Regulations

Visibility Splay 2.0m back 20m distance

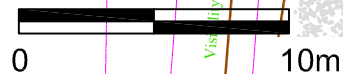
Trench Soakaway shown hatched 3m x 12m x 1.25m deep (overall) beneath driveway as detail Drg G6445-SD3

HILL LANE

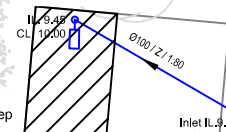
Visibility Splay 2.0m back 40m distance



SCALE:
(Approx)



Inspection well and diffuser on inlet



Inspection well and diffuser on inlet

Silt trap
(See Note 6)

Inlet IL 9.60 CL 10.10

Driveway porous pavement as Detail A

Inlet IL 9.45 CL 10.00

Silt trap
(See Note 6)

Inlet IL 9.60 CL 10.10

Silt trap
(See Note 6)

Inlet IL 9.60 CL 10.10

Silt trap
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Inlet IL 9.60 CL 10.10

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Silt trap
(See Note 6)

Inlet IL 9.60 CL 10.10

Silt trap
(See Note 6)

Tile Barn Farm, Hill Lane, Barnham
Surface Water Drainage
General Arrangement

Drawn by

AT

Checked by

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Date

July 2021

Scale

As shown

DRAWING No.

G6445-02

Rev.

P3

Ground Management Limited

Civil and Geotechnical Engineering Services

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