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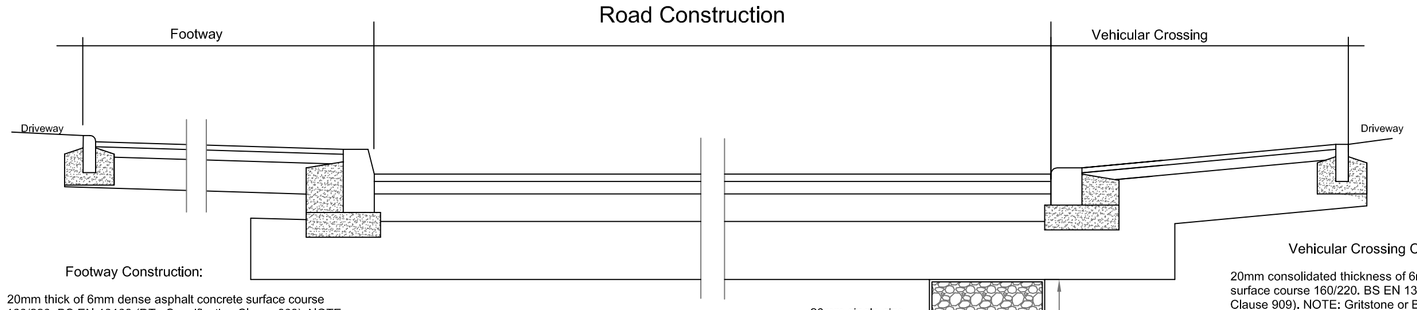
Road Construction



Footway Construction:

20mm thick of 6mm dense asphalt concrete surface course 160/220. BS EN 13108 (DTp Specification Clause 909). NOTE: Gritstone or Blast furnace slag aggregate material must be used.
60mm thick of 20mm dense binder course asphalt concrete 100/150, BS EN 13108 (DTp Specification clause 906).
150mm thick MOT Type 1 granular sub-base material to BS EN 13285 (DTp Specification Clause 803).

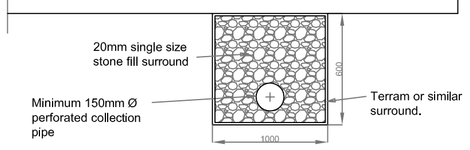
Total Construction Thickness 230mm

Carriageway Construction

40mm Surface Course - 10mm SuperDrainasphalt
60mm Binder Course - 20mm SuperDrainasphalt
100mm Base Course - 32mm SuperDrainasphalt
250mm thick MOT Type 3 Granular sub-base (subject to CBR value) BS EN 13285-1 (DTp Specification Clause 803). Refer to Table 1 below.

Total Minimum Construction Thickness 450mm

450mm minimum construction depth required on frost susceptible subgrades. All materials within 450mm of the finished road surface shall be non-frost susceptible.



*Note:

- Construction based on a formation CBR of 5%. If the CBR falls below this level refer to Engineer.
- DTp . Clause refers to Department of Transport Specification for Highway Works.

Capping Layers:
A capping layer shall be provided where a CBR is less than 5%. This material shall be provided to 6F2 (DTp Specification Clause 613) If a capping layer is required the MOT Type 1 sub-base material may be reduced to 150mm minimum.

Sub-grade CBR	Capping Layer (mm)	Sub-base (mm)
Above 5%	0	250
2-5%	350	150
Below 2%	600	150

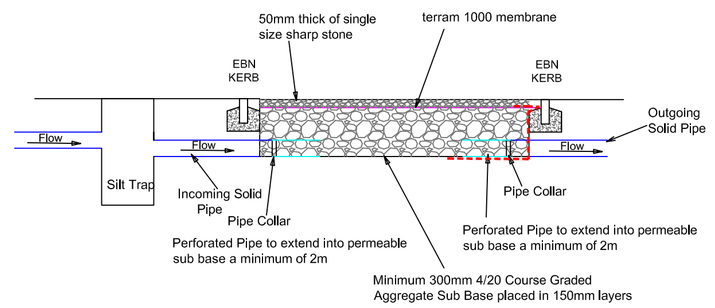
A terram or similar geotextile shall be provided where a CBR of 3% or less is achieved.

Vehicular Crossing Construction:

20mm consolidated thickness of 6mm dense asphalt concrete surface course 160/220. BS EN 13108-1. (DTp Specification Clause 909). NOTE: Gritstone or Blast furnace slag aggregate material must be used.
60mm consolidated thickness of 20mm dense binder course asphalt concrete 100/150, to BS EN 13108 (DTp Specification Clause 906).
150mm thick MOT Type 1 granular sub-base material. (DTp Specification Clause 803).

Total Construction Thickness 230mm

Permeable Gravel Drive Attenuation Detail



Woodsyde Developments

Project:
Proposed Residential Development on Land at The Wallers, Trewern, Powys
Client:
Mid Wales Property
Drawing Title:
Road Construction Details
Scale:
NTS @ A1
Date:
August 2022
Drawing No:
TW-RC-201

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