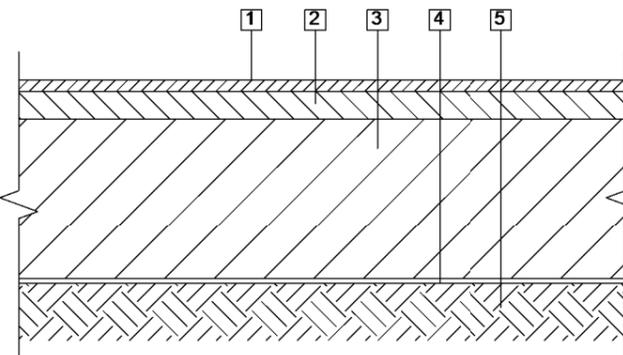


PERMEABLE PAVEMENT CONSTRUCTION



Detail A (Porous Asphalt Construction)

1 : 20

1 SURFACING COURSE:

40mm Thick OF AC10 OPEN SURF 160/220 or Proprietary supplier specified surface course to be agreed with the Engineer

2 BINDER COURSE:

60mm Thick of AC20 OPEN BIN 160/220 or Proprietary supplier specified binder course to be agreed with HBS Engineer

3 INFILTRATION BLANKET:

200mm Type 3 (4/20) Course Graded Open Stone Aggregate

4 GEOTEXTILE

Terram 1000 or similar to be provided on top of prepared subgrade

5 Proof rolled formation

Preparation of Sub-grade: Any soft spots should be excavated first and back-filled with a suitable well-compacted material. The subgrade, or original ground formation, should be prepared by trimming to level and compacting, in accordance with the 'Specification for Highway Works'.

Geotextile: Terram 1000 or similar approved - Needle punched non-woven fabric
Adjacent rolls of geotextile should be overlapped by at least 300mm. All vehicles should be prevented from trafficking directly over the material and protected from ultra-violet light.

Sub-base: Type 3 (4/20) Coarse Graded Aggregate - The permeable sub-base should be laid in 100mm - 150mm layers and compacted to ensure that the material type and grading, without crushing the particles or reducing the void ratio below the design value (30% voids).

Permeable Asphalt: Proprietary supplier specified surface and base/binder course can be adopted but must be agreed with HBS Engineer.

Laying conditions of Porous Asphalt

When laying Asphalt it is critical that the following parameters are met for the correct laying conditions -

1. Wind - all vehicles should be equipped with windproof tarpaulins. Loads of asphalt awaiting laying should remain covered while in transport and while stationary.
2. Rainfall - surface layers should not be placed whilst it is raining or when the surface is wet as this could cause insufficient density and layer bonding issues.
3. Air Temperature - Laying of Porous Asphalt should stop if the air temperature falls below the supplier guideline values.
4. Mixture temperature / Laying of Porous Asphalt must be carried out within the guidance temperatures for the Asphalt. The distance of the supplier quarry from site should be considered when ordering asphalt and reduced if possible. Care is also needed to prevent excessive cooling (causing uneven laying / poor compaction) as well as excessive overheating (loss of cohesive strength).
5. Compaction - Care is needed to prevent over compaction of the materials as this will reduce the permeability of the surface. As a general rule vibratory rollers are not suitable and should not be used on Porous Asphalt.

RESPONSIBILITY IS NOT ACCEPTED FOR OTHERS SCALING DIRECTLY FROM THIS DRAWING. DO NOT SCALE FROM THIS DRAWING, USE WRITTEN DIMENSIONS ONLY.



ORIGINAL SHEET SIZE **A3**

THIS DRAWING IS PRODUCED FOR USE IN THIS PROJECT ONLY AND MAY NOT BE USED FOR ANY OTHER PURPOSE. THE ORIGINATOR ACCEPTS NO LIABILITY FOR THE USE OF THIS DRAWING OTHER THAN THE PURPOSE FOR WHICH IT WAS INTENDED IN CONNECTION WITH THIS PROJECT AS RECORDED IN THE 'PURPOSE FOR ISSUE' AND 'FILE STATUS CODE'. THIS DRAWING MAY NOT BE REPRODUCED IN ANY FORM WITHOUT PRIOR WRITTEN AGREEMENT.

© CROWN COPYRIGHT AND DATABASE RIGHTS - ORDNANCE SURVEY LICENCE NUMBER 100019340.

KEY PLAN



Rev	Description	Date
P00	Tender Issue	28/2/20
P01	Tender Issue	27/7/20

CLIENT

Thetford Town Council

PROJECT

Thetford Cemetery - Improvements to Works Depot & Chapel

TITLE

Proposed Works to Yard

SCALE

As indicated

DISCIPLINE

Surveying

PROJECT NUMBER

103049

DRAWING NUMBER

12

REV CODE

P01

STATUS CODE

D2

PURPOSE OF ISSUE

Tender

Drawn by

MP

Approved by

Checked by

MPH

Hamson Barron Smith

www.hamsonbarronsmith.com

Norwich

Townshend House
30 Crown Road,
Norwich
NR1 3DT

hello@hamsonbarronsmith.com