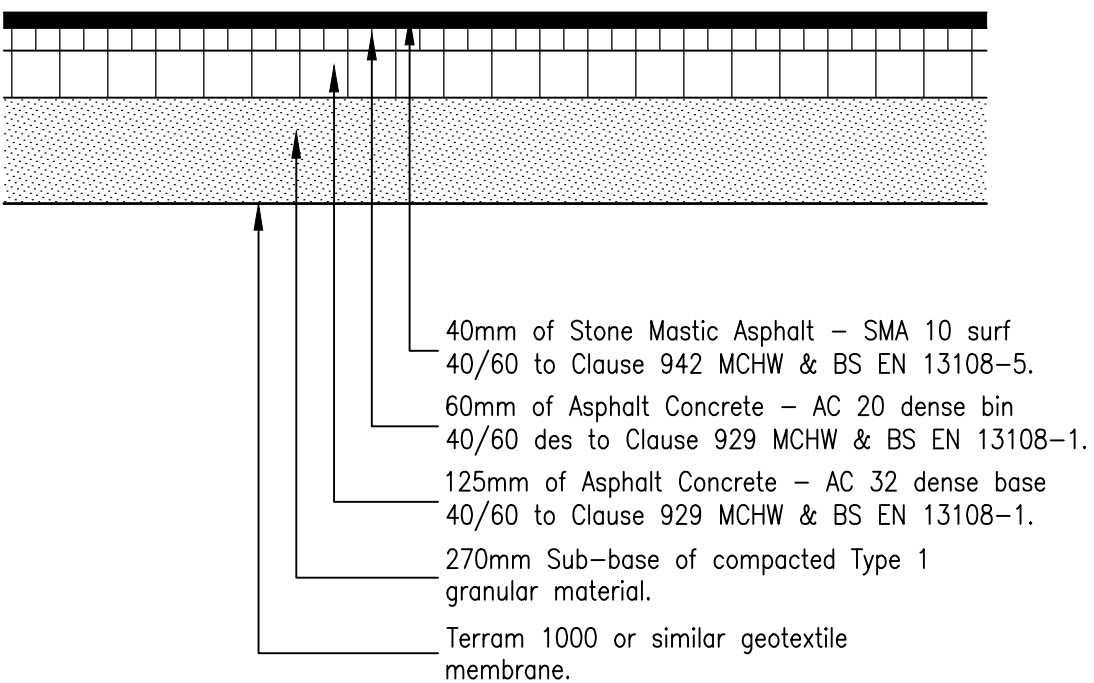
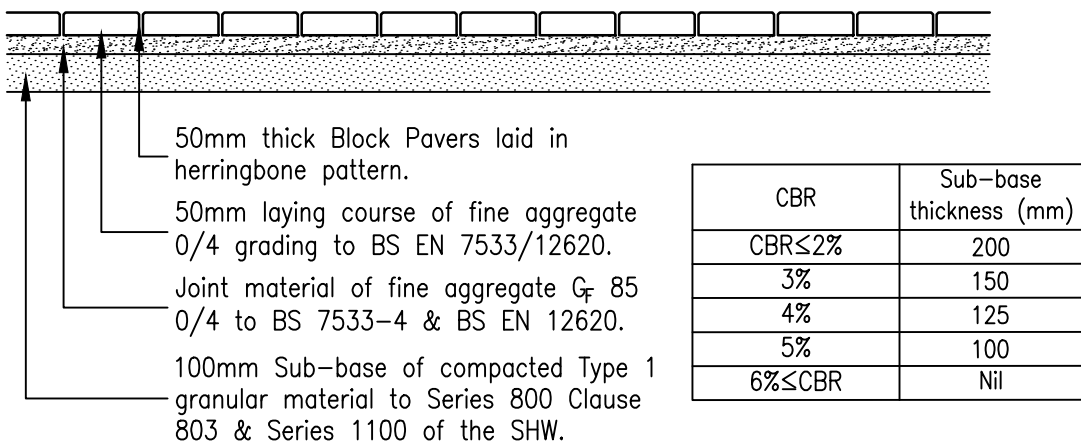




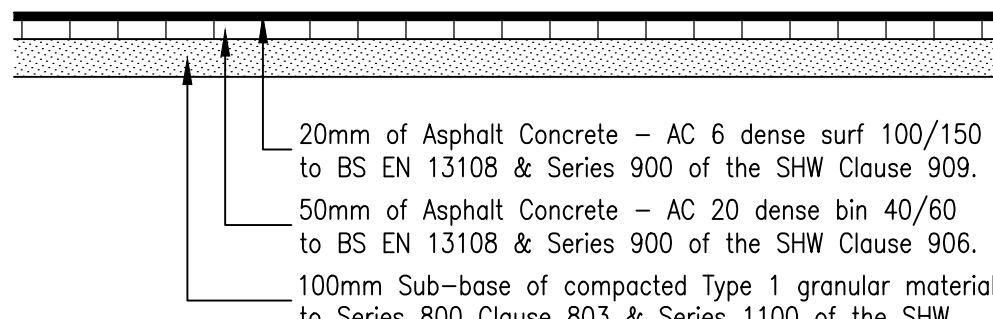
### Asphalt Carriageway Construction (1:20)

- NOTES:
- Proposed asphalt carriageway construction designed in accordance with DMRB CD 226 for 3msa with a foundation class 2 based on a sub-base layer of 5% subgrade CBR equivalent to a 50Mpa subgrade surface modulus in accordance with DMRB CD 225 rev 1.
  - Refer to table for sub-base thickness for other subgrade CBR values.
  - For CBRs of 2.3% or less subgrade improvement or other form of soil stabilization is required.



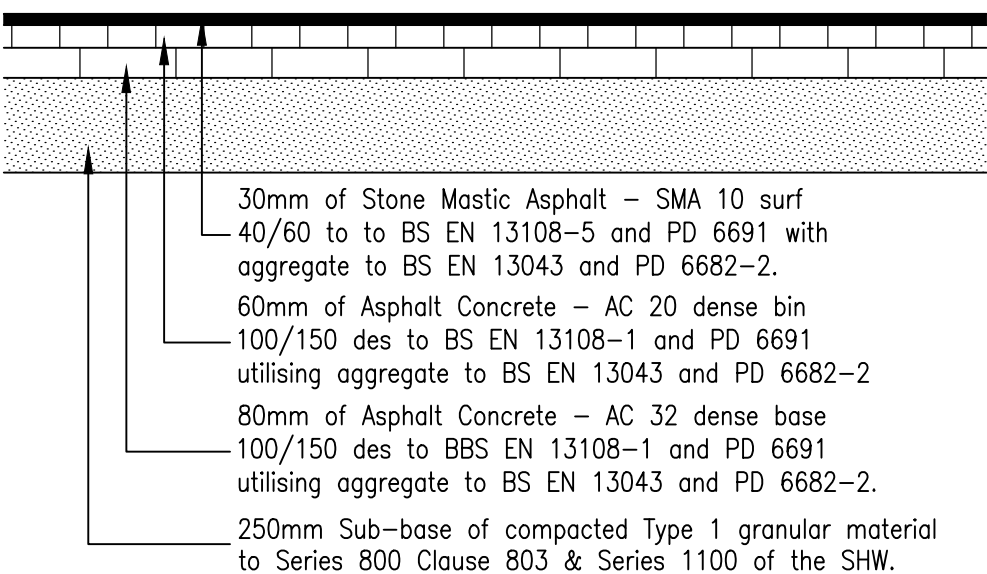
### Block Footway Construction (1:20)

- NOTES:
- Proposed block footway construction designed in accordance with BS 7533-2 for Traffic Category IV (private drives, paths, patio, hard landscaping, areas receiving pedestrian traffic only), with 5% subgrade CBR.
  - Refer to table for sub-base thickness for other subgrade CBR values.
  - For CBRs of 2% or less a Geotextile (Terram T1000 or similar approved) shall be placed at the subgrade level.



### Asphalt Footway Construction (1:20)

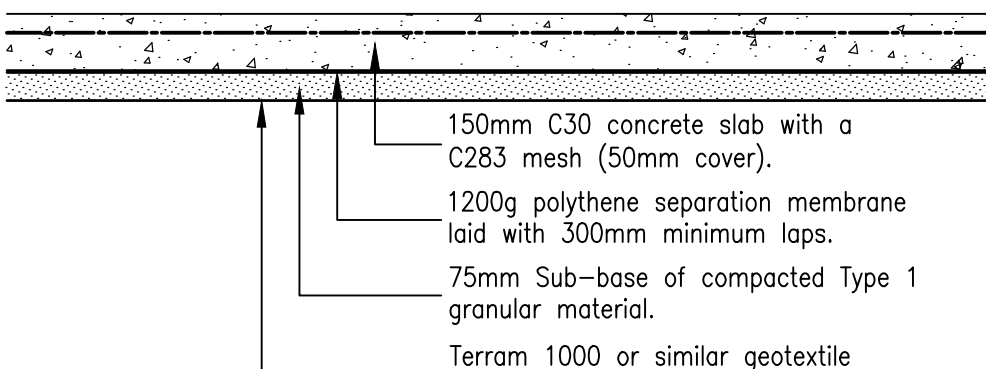
- NOTES:
- Proposed asphalt footway construction designed in accordance with DMRB CD 239 Revision 1 for Pedestrian-only footways and cycle-only cycleways with 2.5% subgrade CBR.



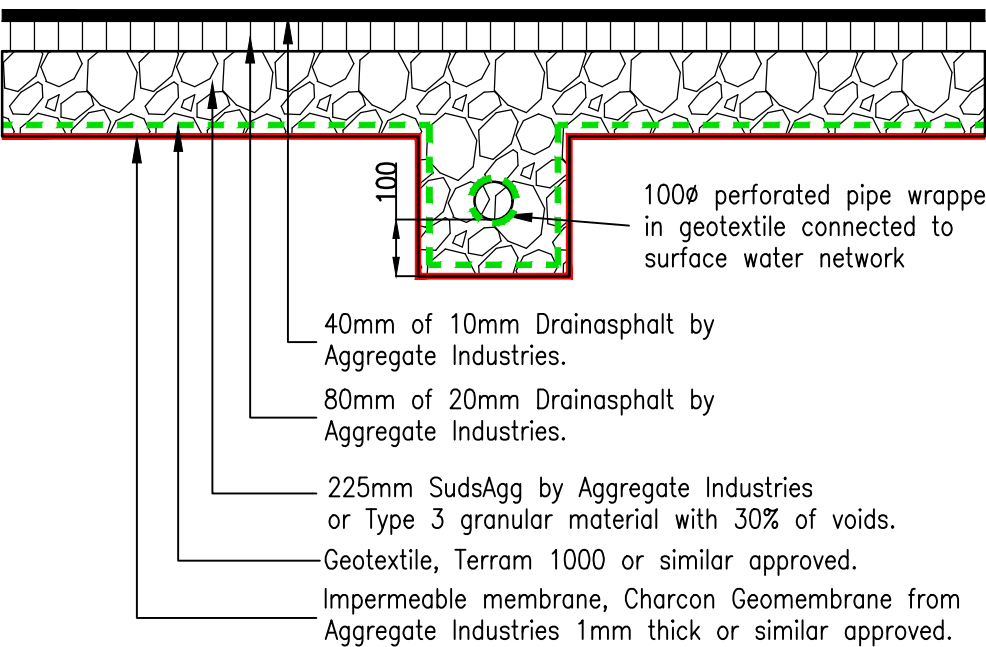
### Asphalt Shared Parking Construction (1:20)

- NOTES:
- Proposed asphalt shared parking construction designed in accordance with NHBC 2021 guidance for shared drives having frequent use by commercial vehicles with 3% subgrade CBR.
  - Refer to NHBC sub-base table for sub-base thickness for other subgrade CBR values.
  - Bond coat should be provided for bituminous mixtures in accordance with BS 4987-2 or BS 594-2.

| NHBC Sub-base / CBR Table |                         |
|---------------------------|-------------------------|
| CBR                       | Sub-base thickness (mm) |
| 2%≤CBR<3%                 | 325                     |
| 3%≤CBR<5%                 | 250                     |
| 5%≤CBR<7%                 | 150                     |
| 7%≤CBR                    | 100                     |

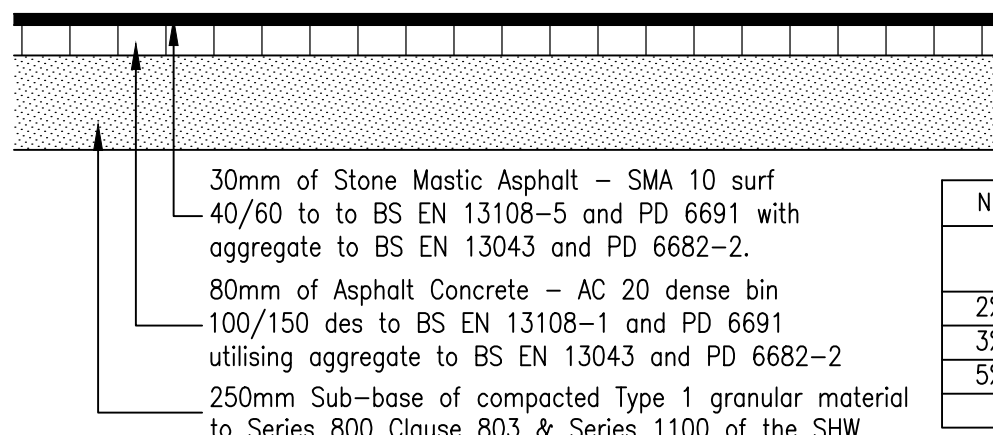


### Concrete Footway Construction (1:20)



### Permeable Asphalt Car Park Construction (1:20)

- NOTES:
- Proposed footway construction designed for Traffic Category 3 to BS 7533 (Small car parks subjected to car, light van and motorcycle access).
  - Maximum axle load of 2000kg.
  - In overall the construction should be a minimum of 450mm thick made of non-frost susceptible materials



### Asphalt Carpark Construction (1:20)

- NOTES:
- Proposed asphalt drive construction designed in accordance with NHBC 2021 guidance for shared drives having infrequent use by commercial vehicles with 3% subgrade CBR.
  - Refer to NHBC sub-base table for sub-base thickness for other subgrade CBR values.
  - Bond coat should be provided for bituminous mixtures in accordance with BS 4987-2 or BS 594-2.

| NHBC Sub-base / CBR Table |                         |
|---------------------------|-------------------------|
| CBR                       | Sub-base thickness (mm) |
| 2%≤CBR<3%                 | 325                     |
| 3%≤CBR<5%                 | 250                     |
| 5%≤CBR<7%                 | 150                     |
| 7%≤CBR                    | 100                     |

#### Notes:

- Do not scale from this drawing.
- In case of any discrepancies in drawings, details or bills, refer to engineers for clarification; unilateral decisions by the Contractor will not be accepted.
- This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
- The Contractor is advised that all design drawings and information are to be read concurrently and any discrepancies or omissions reported directly to PTA's Civil Engineering Department.

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DRAWING STATUS

## FOR CONSTRUCTION

|     |                                                       |    |          |       |
|-----|-------------------------------------------------------|----|----------|-------|
| C01 | Construction Issue.                                   | LB | 16.11.23 | SLW   |
| P02 | Permeable Asphalt Car Park Construction Detail Added. | LB | 07.06.21 |       |
| P01 | First Issue.                                          | LB | 19.03.21 |       |
| REV | DESCRIPTION                                           | BY | DATE     | CHK'D |

PROJECT TITLE

Grimshaw Lane, Manchester

DRAWING TITLE

## Proposed External Works Details Sheet 1 of 2

|          |            |            |             |             |
|----------|------------|------------|-------------|-------------|
| DATE     | March 2021 | CHECKED DO | CHECKED ENG | PTA PROJ No |
| DRAWN    | LB         |            |             | 9762        |
| SCALE    | As Noted   | LB         | SLW         | REVISION    |
| DWG SIZE | A1         |            |             | C01         |

DRAWING No

9762-PTA-XX-XX-DR-C- 8361