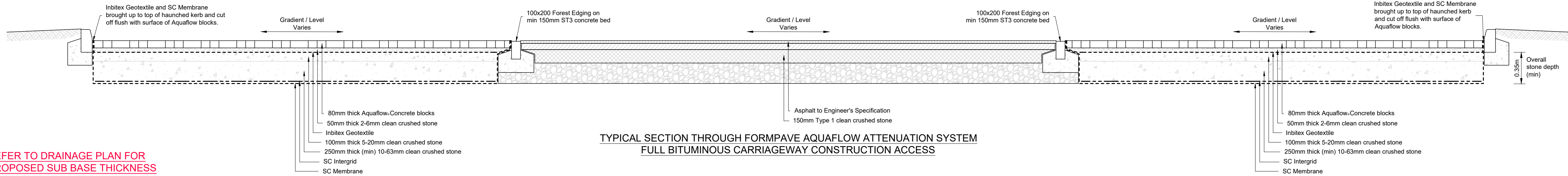


TYPICAL SECTION THROUGH FORMPAVE AQUAFLOW ATTENUATION SYSTEM  
BITUMINOUS CARRIAGEWAY SURFACE OVERLAY

KERBS SHOWN ARE INDICATIVE ONLY.  
REFER TO SURFACING LAYOUT PLAN  
FOR KERB TYPES AND LOCATIONS.

TYPICAL DETAIL A



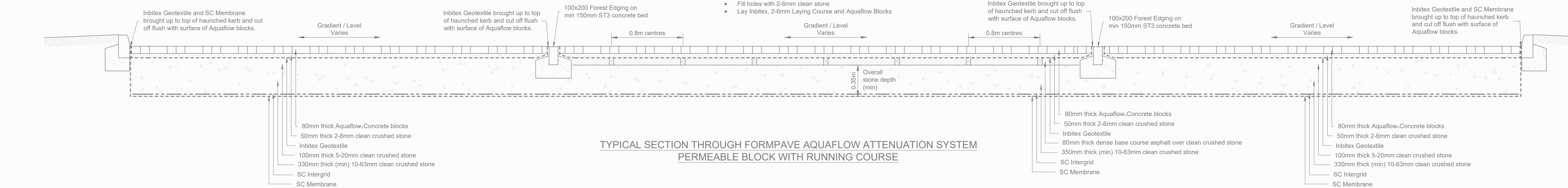
TYPICAL SECTION THROUGH FORMPAVE AQUAFLOW ATTENUATION SYSTEM  
FULL BITUMINOUS CARRIAGEWAY CONSTRUCTION ACCESS

REFER TO DRAINAGE PLAN FOR  
PROPOSED SUB BASE THICKNESS

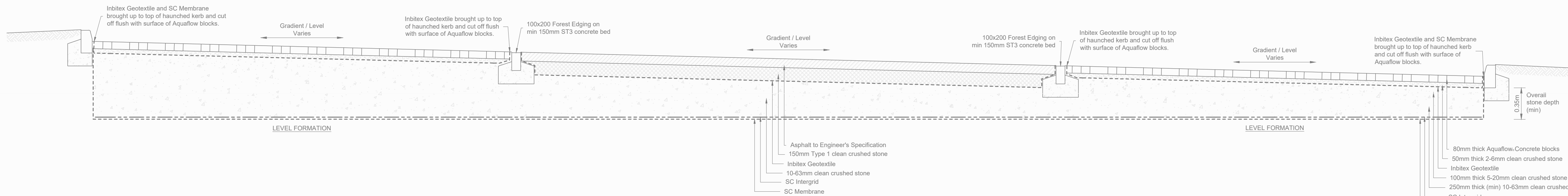
- Lay SC Membrane, Intergrid and Sub Base
- Lay 80mm of Dense Bitumen Macadam over Sub Base (see specification)

After building work is completed:

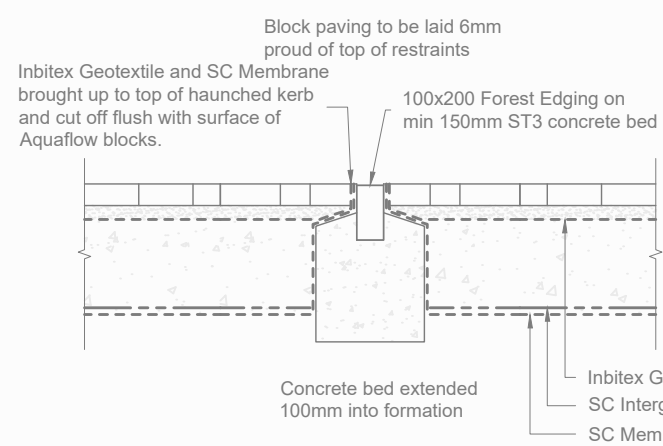
- Clean Dense Bitumen Macadam Surface
- Cut 50mm diameter holes at 0.8m centres through the DBM surface into the Sub Base
- Fill holes with 2-6mm clean stone
- Lay Inbitex, 2-6mm Laying Course and Aquaflow Blocks



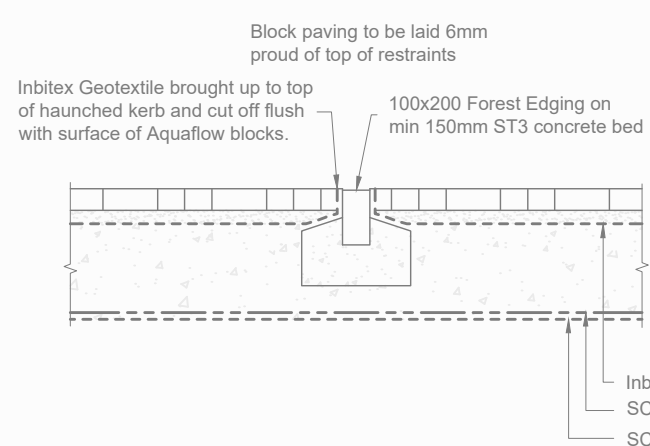
TYPICAL SECTION THROUGH FORMPAVE AQUAFLOW ATTENUATION SYSTEM  
PERMEABLE BLOCK WITH RUNNING COURSE



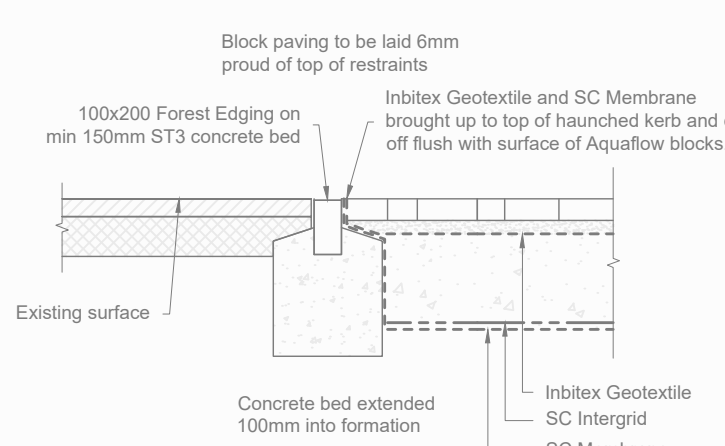
TYPICAL SECTION THROUGH FORMPAVE AQUAFLOW ATTENUATION SYSTEM  
BITUMINOUS CARRIAGEWAY SURFACE OVERLAY  
LEVEL FORMATION



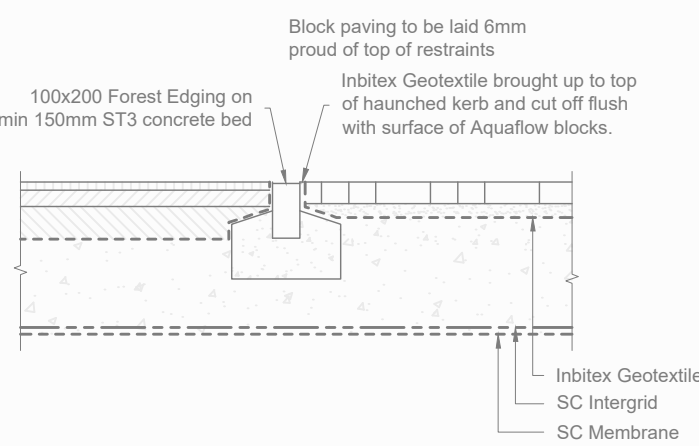
FULL HEIGHT RESTRAINT DETAIL



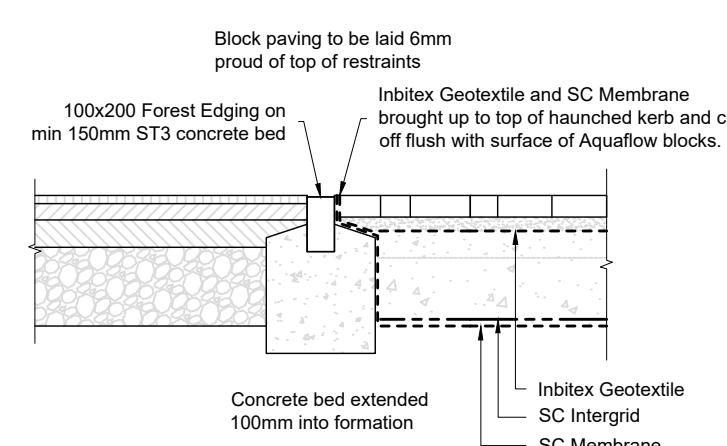
HALF HEIGHT RESTRAINT DETAIL



FULL HEIGHT RESTRAINT DETAIL  
(EXISTING CONSTRUCTION TO  
FORMPAVE AQUAFLOW TRANSITION)

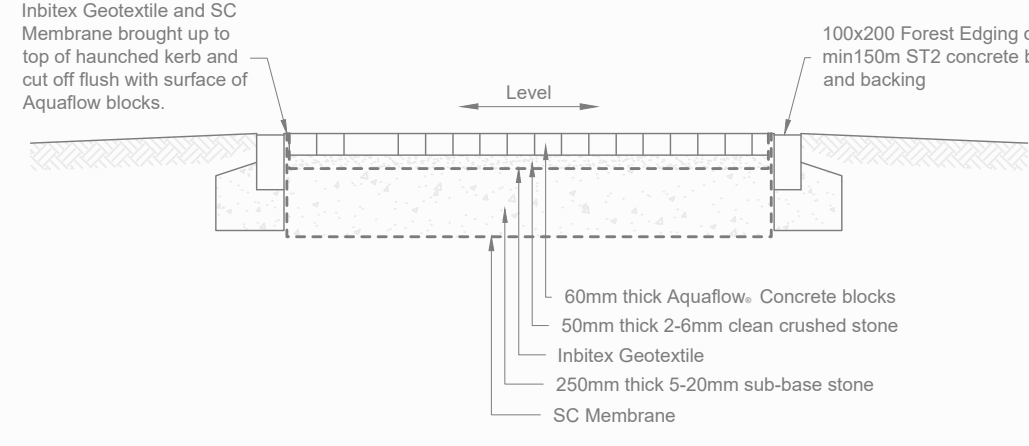


HALF HEIGHT RESTRAINT DETAIL  
(IMPERMEABLE CARRIAGEWAY TO  
FORMPAVE AQUAFLOW TRANSITION)



FULL HEIGHT RESTRAINT DETAIL  
(STANDARD ROAD CONSTRUCTION  
TO AQUAFLOW TRANSITION)

TYPICAL DETAIL B



TYPICAL SECTION THROUGH FORMPAVE  
AQUAFLOW ATTENUATION SYSTEM  
(FOOTPATH CONSTRUCTION)

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE.  
ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM.  
DISCREPANCIES MUST BE REPORTED TO THE DESIGN  
TEAM BEFORE PROCEEDING. © THIS DRAWING IS  
COPYRIGHT.

REVISION NOTES:

|    |  |
|----|--|
| 1. |  |
| 2. |  |
| 3. |  |

STORM WATER SOURCE CONTROL SYSTEM  
Aquaflow paving.

TYPE(S) OF PAVING  
Permeable concrete block paving

REFERENCE  
Aquaflow

SIZE  
100 x 200 x 80 Thick

COLOURS  
Red brindle, Golden brindle, Natural, Charcoal, Burnt red.

SETTING OUT  
Aquaflow and Aqueasets:  
900 herringbone with single stretcher course around all perimeters.

KERBS  
Standard kerb system or Forest Edging: both to be haunched with concrete.

LAYING COURSE\*  
50mm depth of 2-6mm single size clean crushed stone to:  
BS EN 12620:2002

GEOTEXTILE  
Inbitex Geotextile as noted

SUB-BASE SPECIFICATION\*

The granular sub-base material shall comprise crushed rock or concrete possessing well defined edges. It must be sound, clean, non friable and free from clay or other deleterious matter.

The material must be non plastic when tested in accordance with BS1377 Test No 4  
\*The crushed stone used for the laying course and sub-base must have a minimum 10% fines value of 150kN when tested in accordance with BS812 Part 111.

The selected test samples not to be over dried and should be soaked in water at room temperature for 48-hours before the test. The 100mm deep upper layer of sub-base material should be graded 20mm-5mm to BS882.

The 63-10mm material should be graded as follows:-

| BS Sieve size | %passing |
|---------------|----------|
| 100mm         | 100      |
| 63mm          | 90-100   |
| 37.5mm        | 60-80    |
| 20mm          | 15-30    |
| 10mm          | 0-5      |

DEPTH OF SUB-BASE  
It is recommended that a minimum sub-base depth of 350mm should be used.

Intergrid(s) \* - SC Intergrid

ASPHALT RUNNING COURSE  
To be 20mm dense bitumen base course manufactured with 125pen bitumen to BS EN 13108-1:2016.

SURFACE FINISH  
The blocks should be vibrated with a vibrating plate compactor fitted with a block paving pad (rubber mat). Following the first pass with a vibrating plate a light dressing of 2-4mm single size clean stone should be applied to the surface and brushed in, approximately 8m<sup>2</sup> per bag, available from Formpave in 25kg bags. Blocks should again be vibrated and any debris brushed off.

|      |                              |     |          |
|------|------------------------------|-----|----------|
| P2   | Relevant details highlighted | SDF | 14.07.21 |
| P1   | Initial preliminary issue    | SDF | 24.06.21 |
| REV: | DESCRIPTION:                 | BY: | DATE:    |

STATUS: PRELIMINARY



|              |                                                     |             |          |           |     |          |   |
|--------------|-----------------------------------------------------|-------------|----------|-----------|-----|----------|---|
| CLIENT:      | BARWELL MEDICAL CENTRE                              |             |          |           |     |          |   |
| SITE:        | BARWELL MEDICAL CENTRE<br>BARWELL<br>LEICESTERSHIRE |             |          |           |     |          |   |
| TITLE:       | TYPICAL FORMPAVE<br>DETAILS - SHEET 1               |             |          |           |     |          |   |
| SCALE AT A1: | N.T.S                                               | DATE:       | Jun 2021 | DRAWN:    | SDF | CHECKED: | - |
| PROJECT NO:  | ES19.125                                            | DRAWING NO: | 31.01    | REVISION: | P2  |          |   |

ALL DETAILS BASED ON A MINIMUM 4% CBR