

Footway Construction*
 Surface Course - 50mm thick concrete paving slabs buff colour, 400mm x 400mm, to clause 1104 laid in stretcher bond pattern.
 Laying Course - 50mm compacted sharp sand.
 Sub Base - 150mm thick Type 1 Granular Sub-Base material to SHW Clause 803.

Vehicle Crossover Construction*
 Surface Course - 50mm thick concrete paving slabs buff colour, 450mm x 450mm, to clause 1104 laid in stretcher bond pattern.
 Laying Course - 30mm compacted sharp sand.
 Base - 60mm AC 32 Dense Base 160/220 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 270mm thick Type 1 Granular Sub-Base material to SHW Clause 803.

Blacktop Road Construction
 Surface Course - 40mm Hot Rolled Asphalt in accordance with BS EN 13108-4 HRA 3014 F Surf 40/60 to Clause 910 and 911. Coarse aggregate to be Dark Grey Basalt, PSV 55, AA V12.
 Binder Course - 70mm AC 20 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
 Road Base - 90mm AC 32 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 250mm (or 170mm + 170mm capping) Granular Type 1 sub base to Clause 803 for CBR of 10% or higher. For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm (or 350mm + 250mm capping). For CBR values less than 2.5% subgrade improvement or increased capping to be agreed with the engineer.
 Capping to be Type 6F1 to 6F5 depending on local availability.

Footpath Construction
 Surface Course - 20mm AC 6 dense surf 100/150 to Clause 909 and in accordance with BS EN 13108-1.
 Binder Course - 50mm AC 20 dense base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 150mm thick Type 1 granular sub-base material to SHW Clause 803.
 Note: Footpaths adjacent to or near to carriageway, replace 150mm Type 1 sub-base with 50mm compacted lean-mix concrete on 75mm Type 1 granular sub-base.

Blacktop Road Construction
 Reduction from 160mm to 25mm kerb face over 2no. dropper kerbs.
 Note: back of footway edging to be profiled where necessary to ensure max. 1:12 crossfall at crossovers (ie. dropped 20mm to 40mm in relation to adjacent edging).

Vehicle Crossover Detail in Footway
 Note: back of footway edging to be profiled where necessary to ensure max. 1:12 crossfall at crossovers (ie. dropped 20mm to 40mm in relation to adjacent edging).

Road Gully
 Ductile iron hinged gully cover and frame to BS EN 124 Grade D400 heavy duty. Minimum frame depth of 100mm set on 10mm (min) 20mm (max) Designation (i) mortar. Cover to be hinged to face towards oncoming traffic.
 Two courses of Class B engineering brickwork to top of gully pot in Class 1 mortar. 50mm gap left in brickwork for drainage of pavement layers (N/A for block paving).
 150 minimum concrete Grade ST4 bedding and surround to gully pot.
 Precast concrete road gully to BS 5911, 450x1150 deep, with single 1500 trapped outlet, cleaning eye and stopper with chain.

Typical Section Through Tactile Paving
 Orientation of tactile paving slabs to match tactile paving on opposite side of crossing.
 Tactile Paving Slabs 400x400 blister paving slabs. Colour to be confirmed.
 Min. 100mm (1700mm in-line crossfall).
 Dropper over 2 kerbs.
 Min. 1200 flush (0.4mm) kerbs width to match number tactile paving slabs.
 Crossing point laid flush (0.6mm upstand).
 Concrete paving slabs.
 400x400x50mm Tactile Flag Paving to BS 7263. Colour buff.
 50mm compacted sharp sand.
 150mm Type 1 Granular Sub-Base to Clause 803.

Vehicle Crossover Detail in Verge
 Note: back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.

Transition from Blacktop to Blockwork Road
 Back of footway edging led to achieve 1:40 crossfall on footway and service margin.
 Back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Longitudinal Section Along Kerblines
 Impermeable concrete barrier around extent of permeable paved road.

Detail A
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 150mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail B
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 25mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail C
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 0.6mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail D
 150mm x 63mm PCC Conservation Edging Type CEF to BS 7263.
 Min. 100mm.
 Concrete Mix ST4 to BS 5328 bed and backing.
 Min. 100mm.
 250mm.

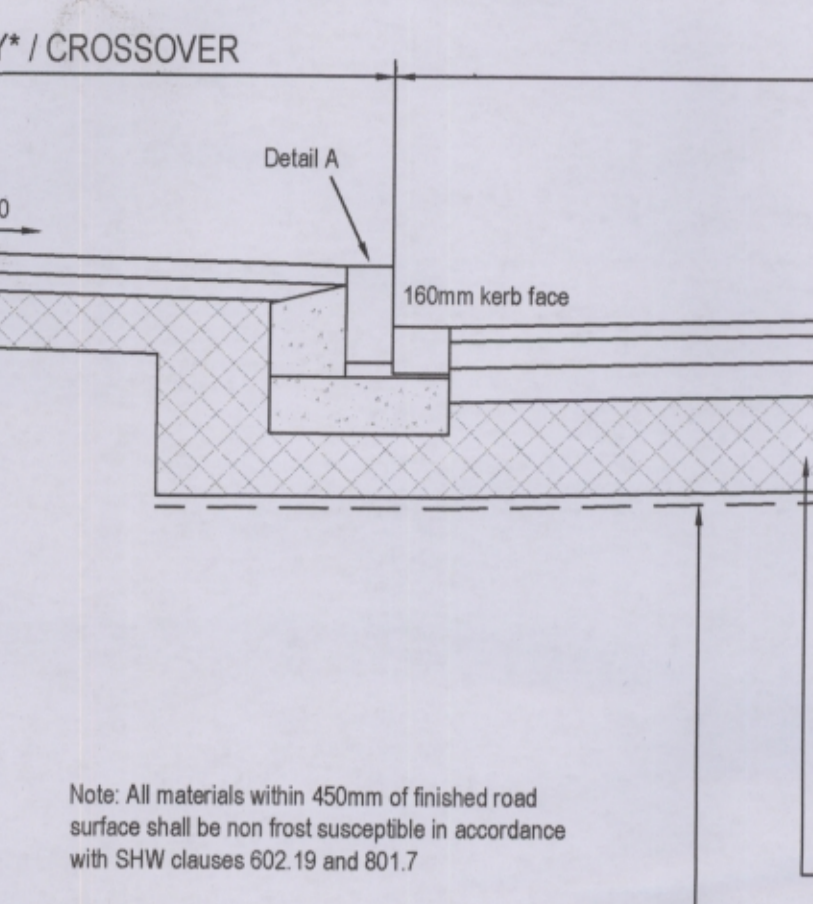
Detail E
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 30mm mortar bed adjacent to kerb.
 80mm.
 50mm.
 Impermeable Blockwork Construction.
 Permeable Blockwork Construction.
 Concrete boundary between impermeable service strip and porous carriageway.
 120mm.
 385mm.
 120mm.

Impermeable Paving
 WIDTH VARIES (REFER TO DRAWING) 0.8m/1.0m/1.2m SERVICE STRIP.
 Surface Course - 80mm concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 30mm compacted sharp sand.
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 250mm (or 170mm + 170mm capping) Granular Type 1 sub base to Clause 803 for CBR of 10% or higher. For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm (or 350mm + 250mm capping). For CBR values less than 2.5% subgrade improvement or increased capping to be agreed with the engineer.
 Capping to be Type 6F1 to 6F5 depending on local availability.

Permeable (Except at Service Crossings) Carriageway
 Surface Course - 60mm permeable concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 50mm graded aggregate to BS EN 13242. (See Table B).
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1. Base to be cured with 100mm dia. holes at 750mm centres. Holes to be filled with firm coarse graded aggregate. Base to be thoroughly mechanically cleaned to the satisfaction of OCC site inspector immediately prior to curing and block laying operation. Cleared base shall not thereafter be trafficked by site vehicles.
 Sub-base - 250mm minimum open graded angular crushed rock or gravel (OGNOCOC) to BS EN 13242. (See Table B). For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm. For CBR values less than 2.5% subgrade improvement or increased depth of sub-base to be agreed with the engineer. Increased minimum depth of sub-base may be required in some locations to ensure no flooding occurs where soakaway lead results were less favourable (refer to engineering layout for these locations). Largest depth required due to either CSR or soakaway to be used as minimum sub-base depth at each location.
 Permeable membrane layers to be Hanson Formpave Imbitex, Marshall's MT120 or similar approved filtration membranes. Membrane layer to be installed between formation and sub-base, and between base and laying course following coring operation once cured holes have been filled. 300mm overlaps are required between membrane sheets.
 Impermeable membrane laid along face of concrete wall and lapped 300mm under permeable sub-base and filtration membrane.

Service Crossing Typical Detail
 Impermeable Service Margin.
 90° herringbone pattern in service margin.
 PERMEABLE PAVED ROAD.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 Min. 200mm thick ST2 concrete wall on each side of service crossing (see below).
 2 rows of stretcher course blocks mortar bedded on top of concrete wall.
 Impermeable Paved Service Crossing.
 PERMEABLE PAVED ROAD.
 45° herringbone pattern in road.
 Double stretcher course adjacent to kerbs and edgings.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.

Blockwork Details Around Carriageway Ironwork
 Grating and frame to be ductile iron non-slip to BS EN 124. To be suitable for pedestrian use.
 Permeable Blockwork Road Construction.
 Service Strip as per Impermeable Blockwork Service Margin Construction.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.
 Whole blocks used around corners.
 Cut blocks. See Note 5.



BLACKTOP FOOTPATH CONSTRUCTION
 Surface Course - 20mm AC 6 dense surf 100/150 to Clause 909 and in accordance with BS EN 13108-1.
 Binder Course - 50mm AC 20 dense base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 150mm thick Type 1 granular sub-base material to SHW Clause 803.
 Note: Footpaths adjacent to or near to carriageway, replace 150mm Type 1 sub-base with 50mm compacted lean-mix concrete on 75mm Type 1 granular sub-base.

Plan View
 160MM KERB HEIGHT.
 Blacktop road construction.
 Buff impermeable blockwork road construction.
 Impermeable flag paved footway.
 Permeable blockwork road construction.
 Impermeable flag paved footway.
 Impermeable block paved service margin.
 Permeable block paved service margin.
 Max. 1:15.
 2no. dropper kerbs.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Longitudinal Section Along Kerblines
 Impermeable concrete barrier around extent of permeable paved road.

Transition from Blacktop to Blockwork Road
 Back of footway edging led to achieve 1:40 crossfall on footway and service margin.
 Back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Detail A
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 150mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail B
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 25mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail C
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 0.6mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail D
 150mm x 63mm PCC Conservation Edging Type CEF to BS 7263.
 Min. 100mm.
 Concrete Mix ST4 to BS 5328 bed and backing.
 Min. 100mm.
 250mm.

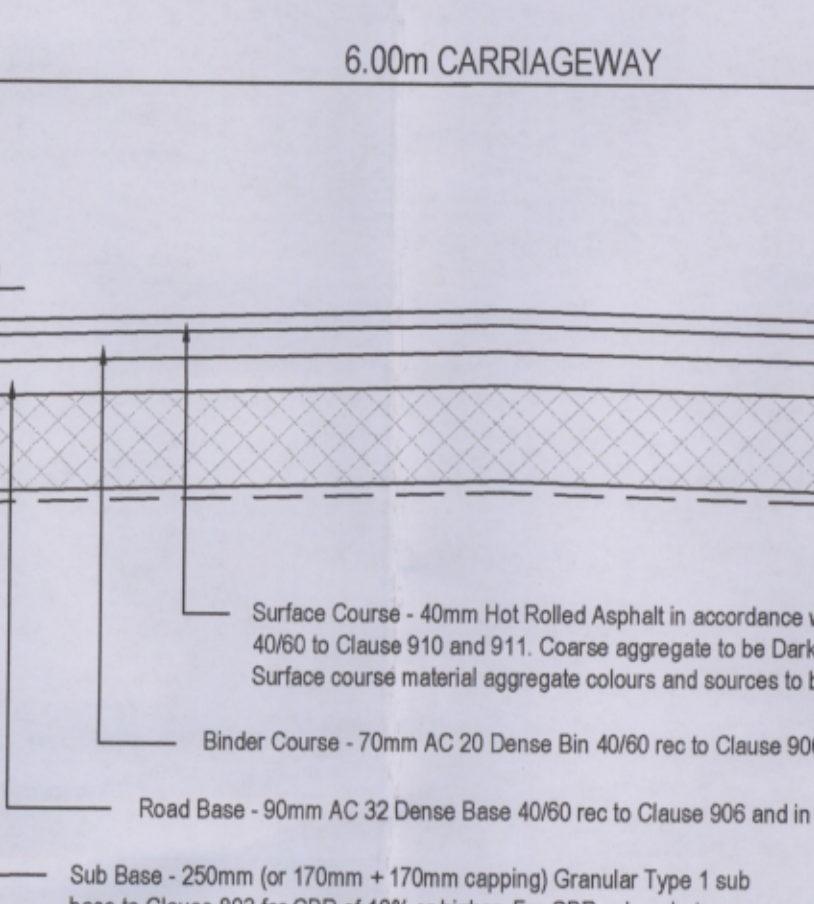
Detail E
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 30mm mortar bed adjacent to kerb.
 80mm.
 50mm.
 Impermeable Blockwork Construction.
 Permeable Blockwork Construction.
 Concrete boundary between impermeable service strip and porous carriageway.
 120mm.
 385mm.
 120mm.

Impermeable Paving
 WIDTH VARIES (REFER TO DRAWING) 0.8m/1.0m/1.2m SERVICE STRIP.
 Surface Course - 80mm concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 30mm compacted sharp sand.
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 250mm (or 170mm + 170mm capping) Granular Type 1 sub base to Clause 803 for CBR of 10% or higher. For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm (or 350mm + 250mm capping). For CBR values less than 2.5% subgrade improvement or increased depth of sub-base to be agreed with the engineer.
 Capping to be Type 6F1 to 6F5 depending on local availability.

Permeable (Except at Service Crossings) Carriageway
 Surface Course - 60mm permeable concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 50mm graded aggregate to BS EN 13242. (See Table C).
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1. Base to be cured with 100mm dia. holes at 750mm centres. Holes to be filled with firm coarse graded aggregate. Base to be thoroughly mechanically cleaned to the satisfaction of OCC site inspector immediately prior to curing and block laying operation. Cleared base shall not thereafter be trafficked by site vehicles.
 Sub-base - 250mm minimum open graded angular crushed rock or gravel (OGNOCOC) to BS EN 13242. (See Table B). For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm. For CBR values less than 2.5% subgrade improvement or increased depth of sub-base to be agreed with the engineer. Increased minimum depth of sub-base may be required in some locations to ensure no flooding occurs where soakaway lead results were less favourable (refer to engineering layout for these locations). Largest depth required due to either CSR or soakaway to be used as minimum sub-base depth at each location.
 Permeable membrane layers to be Hanson Formpave Imbitex, Marshall's MT120 or similar approved filtration membranes. Membrane layer to be installed between formation and sub-base, and between base and laying course following coring operation once cured holes have been filled. 300mm overlaps are required between membrane sheets.
 Impermeable membrane laid along face of concrete wall and lapped 300mm under permeable sub-base and filtration membrane.

Service Crossing Typical Detail
 Impermeable Service Margin.
 90° herringbone pattern in service margin.
 PERMEABLE PAVED ROAD.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 Min. 200mm thick ST2 concrete wall on each side of service crossing (see below).
 2 rows of stretcher course blocks mortar bedded on top of concrete wall.
 Impermeable Paved Service Crossing.
 PERMEABLE PAVED ROAD.
 45° herringbone pattern in road.
 Double stretcher course adjacent to kerbs and edgings.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.

Blockwork Details Around Carriageway Ironwork
 Grating and frame to be ductile iron non-slip to BS EN 124. To be suitable for pedestrian use.
 Permeable Blockwork Road Construction.
 Service Strip as per Impermeable Blockwork Service Margin Construction.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.
 Whole blocks used around corners.
 Cut blocks. See Note 5.



BLACKTOP ROAD CONSTRUCTION
 Surface Course - 40mm Hot Rolled Asphalt in accordance with BS EN 13108-4 HRA 3014 F Surf 40/60 to Clause 910 and 911. Coarse aggregate to be Dark Grey Basalt, PSV 55, AA V12.
 Binder Course - 70mm AC 20 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
 Road Base - 90mm AC 32 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 250mm (or 170mm + 170mm capping) Granular Type 1 sub base to Clause 803 for CBR of 10% or higher. For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm (or 350mm + 250mm capping). For CBR values less than 2.5% subgrade improvement or increased capping to be agreed with the engineer.
 Capping to be Type 6F1 to 6F5 depending on local availability.

Typical Section Through Tactile Paving
 Orientation of tactile paving slabs to match tactile paving on opposite side of crossing.
 Tactile Paving Slabs 400x400 blister paving slabs. Colour to be confirmed.
 Min. 100mm (1700mm in-line crossfall).
 Dropper over 2 kerbs.
 Min. 1200 flush (0.4mm) kerbs width to match number tactile paving slabs.
 Crossing point laid flush (0.6mm upstand).
 Concrete paving slabs.
 400x400x50mm Tactile Flag Paving to BS 7263. Colour buff.
 50mm compacted sharp sand.
 150mm Type 1 Granular Sub-Base to Clause 803.

Vehicle Crossover Detail in Verge
 Note: back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.

Transition from Blacktop to Blockwork Road
 Back of footway edging led to achieve 1:40 crossfall on footway and service margin.
 Back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Longitudinal Section Along Kerblines
 Impermeable concrete barrier around extent of permeable paved road.

Transition from Blacktop to Blockwork Road
 Back of footway edging led to achieve 1:40 crossfall on footway and service margin.
 Back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Detail A
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 150mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail B
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 25mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail C
 145mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 0.6mm kerb face.
 Concrete Mix ST4 to BS 5328 bed and backing.
 10mm-25mm Class 1 mortar.
 Min. 150mm.
 200mm x 145mm x 150mm.
 Min. 300mm x 495mm.

Detail D
 150mm x 63mm PCC Conservation Edging Type CEF to BS 7263.
 Min. 100mm.
 Concrete Mix ST4 to BS 5328 bed and backing.
 Min. 100mm.
 250mm.

Detail E
 250mm x 145mm Conservation Kerb, Silver Grey, bedded on Class 1 mortar.
 10mm dia. dowel bar U-shaped, 500mm long @ 1.00m centres.
 150mm x 125mm hydraulically pressed PCC Square Channel Block, Type CS2, to BS 7263.
 30mm mortar bed adjacent to kerb.
 80mm.
 50mm.
 Impermeable Blockwork Construction.
 Permeable Blockwork Construction.
 Concrete boundary between impermeable service strip and porous carriageway.
 120mm.
 385mm.
 120mm.

Impermeable Paving
 WIDTH VARIES (REFER TO DRAWING) 0.8m/1.0m/1.2m SERVICE STRIP.
 Surface Course - 80mm concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 30mm compacted sharp sand.
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1.
 Sub Base - 250mm (or 170mm + 170mm capping) Granular Type 1 sub base to Clause 803 for CBR of 10% or higher. For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm (or 350mm + 250mm capping). For CBR values less than 2.5% subgrade improvement or increased depth of sub-base to be agreed with the engineer.
 Capping to be Type 6F1 to 6F5 depending on local availability.

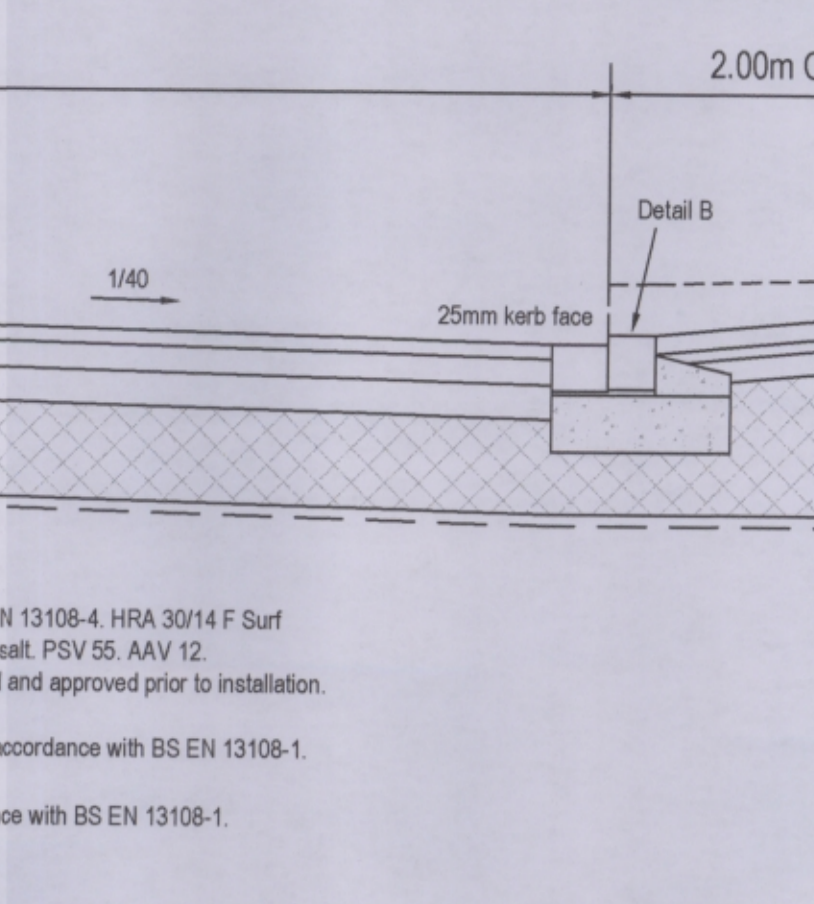
Permeable (Except at Service Crossings) Carriageway
 Surface Course - 60mm permeable concrete block pavers type Marshall's Priors or similar approved laid in 45° herringbone pattern. Colour varies (mid grey/cool grey/light grey). Refer to finishes drawing for details.
 Laying Course - 50mm graded aggregate to BS EN 13242. (See Table C).
 Base - 130mm AC 20 Dense Base 100/150 rec to Clause 906 and in accordance with BS EN 13108-1. Base to be cured with 100mm dia. holes at 750mm centres. Holes to be filled with firm coarse graded aggregate. Base to be thoroughly mechanically cleaned to the satisfaction of OCC site inspector immediately prior to curing and block laying operation. Cleared base shall not thereafter be trafficked by site vehicles.
 Sub-base - 250mm minimum open graded angular crushed rock or gravel (OGNOCOC) to BS EN 13242. (See Table B). For CBR values between 2.5% and 10% sub base thickness to be increased to 450mm. For CBR values less than 2.5% subgrade improvement or increased depth of sub-base to be agreed with the engineer. Increased minimum depth of sub-base may be required in some locations to ensure no flooding occurs where soakaway lead results were less favourable (refer to engineering layout for these locations). Largest depth required due to either CSR or soakaway to be used as minimum sub-base depth at each location.
 Permeable membrane layers to be Hanson Formpave Imbitex, Marshall's MT120 or similar approved filtration membranes. Membrane layer to be installed between formation and sub-base, and between base and laying course following coring operation once cured holes have been filled. 300mm overlaps are required between membrane sheets.
 Impermeable membrane laid along face of concrete wall and lapped 300mm under permeable sub-base and filtration membrane.

Service Crossing Typical Detail
 Impermeable Service Margin.
 90° herringbone pattern in service margin.
 PERMEABLE PAVED ROAD.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 Min. 200mm thick ST2 concrete wall on each side of service crossing (see below).
 2 rows of stretcher course blocks mortar bedded on top of concrete wall.
 Impermeable Paved Service Crossing.
 PERMEABLE PAVED ROAD.
 45° herringbone pattern in road.
 Double stretcher course adjacent to kerbs and edgings.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.

Blockwork Details Around Carriageway Ironwork
 Grating and frame to be ductile iron non-slip to BS EN 124. To be suitable for pedestrian use.
 Permeable Blockwork Road Construction.
 Service Strip as per Impermeable Blockwork Service Margin Construction.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.
 Whole blocks used around corners.
 Cut blocks. See Note 5.

Service Crossing Typical Detail
 Impermeable Service Margin.
 90° herringbone pattern in service margin.
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 Impermeable Paved Service Crossing.
 PERMEABLE PAVED ROAD.
 45° herringbone pattern in road.
 Double stretcher course adjacent to kerbs and edgings.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.

Blockwork Details Around Carriageway Ironwork
 Grating and frame to be ductile iron non-slip to BS EN 124. To be suitable for pedestrian use.
 Permeable Blockwork Road Construction.
 Service Strip as per Impermeable Blockwork Service Margin Construction.
 2no. 100mm dia. pipes through impermeable service crossings to connect adoptable permeable paving sub-base areas together.
 ST2 concrete wall to extend minimum 150mm below adjacent permeable paving construction.
 Whole blocks used around corners.
 Cut blocks. See Note 5.



BLACKTOP ROAD CONSTRUCTION
 Surface Course - 40mm Hot Rolled Asphalt in accordance with BS EN 13108-4 HRA 3014 F Surf 40/60 to Clause 910 and 911. Coarse aggregate to be Dark Grey Basalt, PSV 55, AA V12.
 Binder Course - 70mm AC 20 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
 Road Base - 90mm AC 32 Dense Base 40/60 rec to Clause 906 and in accordance with BS EN 13108-1.
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Typical Section Through Tactile Paving
 Orientation of tactile paving slabs to match tactile paving on opposite side of crossing.
 Tactile Paving Slabs 400x400 blister paving slabs. Colour to be confirmed.
 Min. 100mm (1700mm in-line crossfall).
 Dropper over 2 kerbs.
 Min. 1200 flush (0.4mm) kerbs width to match number tactile paving slabs.
 Crossing point laid flush (0.6mm upstand).
 Concrete paving slabs.
 400x400x50mm Tactile Flag Paving to BS 7263. Colour buff.
 50mm compacted sharp sand.
 150mm Type 1 Granular Sub-Base to Clause 803.

Vehicle Crossover Detail in Verge
 Note: back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.

Transition from Blacktop to Blockwork Road
 Back of footway edging led to achieve 1:40 crossfall on footway and service margin.
 Back of footway edging to be dropped as required to achieve max. 1:12 gradient at pedestrian crossings.
 Footway to be ramped down to service margin at max. 1:15 gradient using 2no. dropper kerbs out to suit.

Longitudinal Section Along Kerblines
 Impermeable concrete barrier around extent of permeable paved road.

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