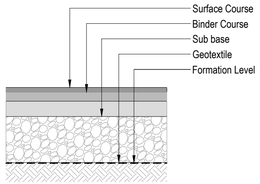
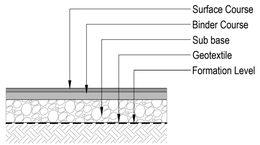


ASPHALT ACCESS ROAD

Assumed CBR >15% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	30mm	AC10 close surf PD6691 Annex B. Binder grade 100/150.
Binder Course	60mm	AC20 dense bin PD6691 Annex B. Binder 100/150.
Base Course	100mm	AC32 base PD6691 Annex B. Binder 100/150.
Sub Base	150mm	Type 1 Material in accordance with Specification for Highway Works Clause 803
Geotextile / Geogrid		Terram 1000

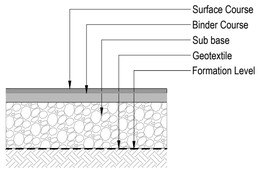
Alternative foundation thickness subject to CBR value:
- 15% > CBR > 6% Sub-base: 200mm Type 1
- 6% > CBR > 4% Sub-base: 250mm Type 1
- 4% > CBR > 3% Sub-base: 300mm Type 1
- 3% > CBR > 2% Sub-base: 350mm Type 1 + NAUE Combigrid 40/40
- 2% > CBR Seek consultant advice



ASPHALT FOOTPATH PEDESTRIAN

Assumed CBR >3% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	25mm	AC 6 medium surface course PD 6691 Annex B
Binder Course	50mm	AC 20 dense binder course PD 6691 Annex B
Sub base	150mm	Type 1 Material in accordance with Specification for Highway Works Clause 803
Geotextile		Terram 1000

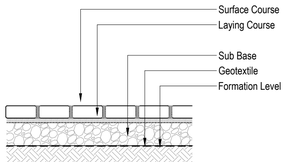


ASPHALT FOOTPATH CROSSOVER

Assumed CBR >15% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	30mm	AC10 close surf PD6691 Annex B. Binder grade 100/150.
Binder Course	60mm	AC20 dense bin PD6691 Annex B. Binder 100/150.
Sub Base	150mm	Type 1 Material in accordance with Specification for Highway Works Clause 803
Geotextile / Geogrid		Terram 1000

Alternative foundation thickness subject to CBR value:
- 15% > CBR > 6% Sub-base: 200mm Type 1
- 6% > CBR > 4% Sub-base: 250mm Type 1
- 4% > CBR > 3% Sub-base: 300mm Type 1
- 3% > CBR > 2% Sub-base: 350mm Type 1 + NAUE Combigrid 40/40
- 2% > CBR Seek consultant advice

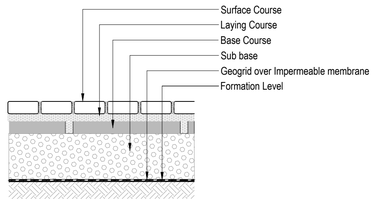


PEDESTRIAN BLOCK PAVING

Assumed CBR >3% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	60mm	100 x 200mm concrete blocks to Architects detail. Jointing material to block manufacturers specification. Allow for topping up of jointing material 3 months after completion.
Laying Course	30mm	Sand (To interpave spec)
Sub base	150mm	Type 1 Material in accordance with Specification for Highway Works Clause 803
Geotextile		Terram 1000

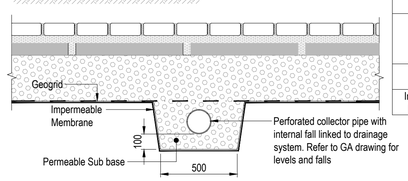
- Cutting Blocks; use a diamond bladed saw. Block splitters are NOT permitted
- Small slender cuts less than 25% NOT permitted.
- Joint space; blocks to be tightly butted
- Edge restraints shall be installed along the exposed perimeter and to drainage items and other penetrations within the pavement



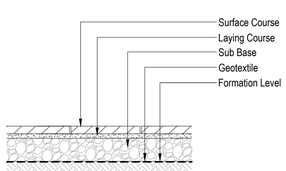
PERMEABLE BLOCK PAVING NO INFILTRATION (CARS & VANS ONLY)

Assumed CBR >3% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	80mm	Permeable concrete block with interlocking nibs to Architects detail. Jointing material to block manufacturers specification. Allow for topping up of jointing material 3 months after completion.
Laying Course	50mm	Angular bedding material to BS EN 13242 and in accordance with the paving block manufacturer.
Base Course	70mm	AC32 40/60. in accordance with BS EN 13108-1. Temporary access for construction traffic. Prior to installation of the paving units the AC is cleaned to removed mud and detritus, cored with 75mm dia holes on a 750mm orthogonal grid to form CAC (cored asphalt concrete). The holes are filled with laying course aggregate.
Sub base	350mm	Coarse graded aggregate (CGA) to comply with BS EN 13242 (BSI 2007 or BS 12620 (BSI 2008). Deemed to comply Type 3 sub base 0mm-40mm SHW Serier 800 or Coarse graded aggregate 4mm-20mm BS7533-13. Laid in maximum 150mm layer
Geogrid		NAUE combigrid 40/40.
Impermeable Membrane		HDPE membrane with fully welded membrane



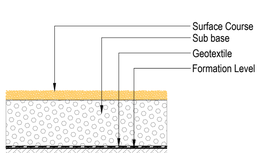
TYPICAL SECTION THROUGH DISTRIBUTION PIPE



CONCRETE SLAB PAVING PEDESTRIAN

Assumed CBR >3% (Subgrade to be proof rolled)

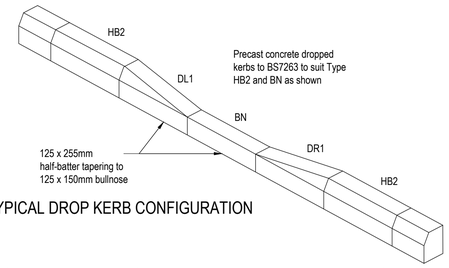
Layer	Thickness	Material
Surface Course	50mm	Paving slab to Architects specification. Jointing to manufacturers specification
Laying Course	30mm	Sand (To interpave spec)
Sub base	150mm	Type 1 Material in accordance with Specification for Highway Works Clause 803
Geotextile		Terram 1000



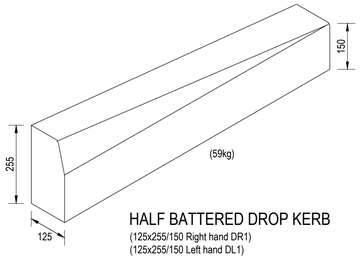
SELF-BINDING GRAVEL PATH (PEDESTRIAN ACCESS ONLY)

Assumed CBR >3% (Subgrade to be proof rolled)

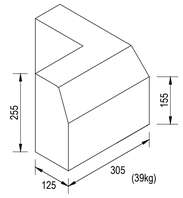
Layer	Thickness	Material
Surface Course	50mm	Self-binding gravel to Landscape Architect's specification
Sub base	150mm	Coarse graded aggregate (CGA) to comply with BS EN 13242 (BSI 2007 or BS 12620 (BSI 2008). Deemed to comply Type 3 sub base 0mm-40mm SHW Serier 800 or Coarse graded aggregate 4mm-20mm BS7533-13. Laid in maximum 150mm layer
Geotextile		Terram 1000



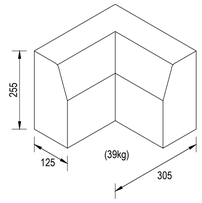
TYPICAL DROP KERB CONFIGURATION



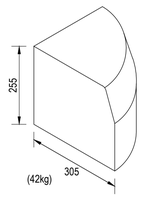
HALF BATTERED DROP KERB
(125x255/150 Right hand DR1)
(125x255/150 Left hand DL1)



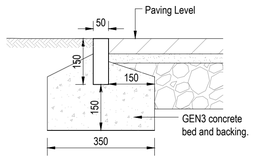
CONVEX (EXTERNAL)
(125x255 HBXA)



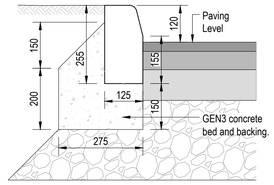
CONCAVE (INTERNAL)
(125x255 HBIA)



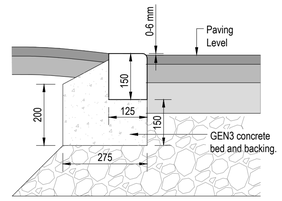
SMALL QUADRANT
(305x255 QHB)



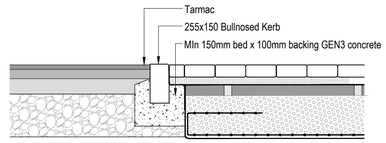
EDGING FLAT TOP
(50x150 EF)



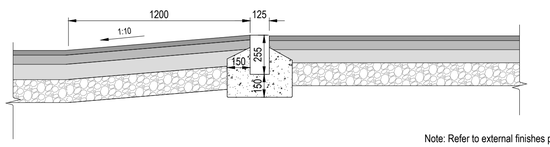
HALF BATTERED KERB
(125x255 HB2)

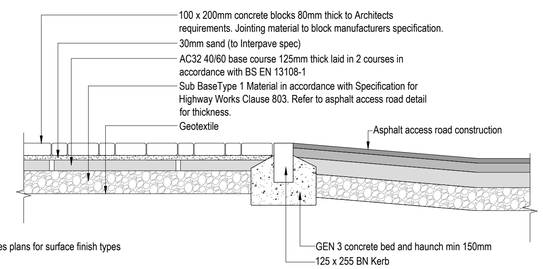


BULLNOSED KERB
(125x150 BN)



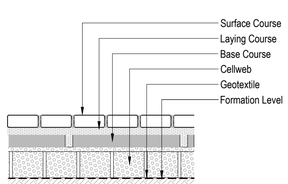
JUNCTION BETWEEN TANKED PERMEABLE PAVING & TARMAC
(Formation to be proof rolled prior to construction)





Note: Refer to external finishes plans for surface finish types

RAISED TABLE DETAIL
Scale 1:20



CARS & VANS ONLY PERMEABLE BLOCK PAVING OVER CELLWEB

Assumed CBR >3% (Subgrade to be proof rolled)

Layer	Thickness	Material
Surface Course	80mm	Permeable concrete block with interlocking nibs to Architects detail. Jointing material to block manufacturers specification. Allow for topping up of jointing material 3 months after completion.
Laying Course	50mm	Angular bedding material to BS EN 13242 and in accordance with the paving block manufacturer.
Base Course	70mm	AC32 40/60. in accordance with BS EN 13108-1. Temporary access for construction traffic. Prior to installation of the paving units the AC is cleaned to removed mud and detritus, cored with 75mm dia holes on a 750mm orthogonal grid to form CAC (cored asphalt concrete). The holes are filled with laying course aggregate.
Cellweb	150mm	Filled with open graded sub-base, clean angular stone Type 4/20 or Type 20/40. Refer to BS7533-13:2009 and to the Design Manual for Roads and Bridges (DMRB), with min 25mm overfill.
Geotextile / Geogrid		Treetex T300 Geotextile or equivalent

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GENERAL NOTES

1. All setting out to be in accordance with the Architects drawings. Any discrepancies between the Engineers and the Architects drawings to be referred to the Architect before proceeding. Dimensions must not be scaled.
2. All materials to Highways Agency "Specification for highways works."
3. Contractor to confirm CBR at formation level.
4. Soft Spots in subgrade:
   Excavate to remove soft or degraded material, then backfill with specified granular sub-base material and compact
5. All Paving blocks / slabs to be laid in accordance with current Interpave Guidance documents
6. All in-situ concrete works to be carried out in accordance with The Concrete Society Technical Report No 66. External In-situ Concrete Paving.
7. Concrete joint sealant to comply with Highways Agency Manual of contract documents for highway works MCHW1, clause 1017.

IDENTIFIES RISKS DURING THE CONSTRUCTION PROCESS ON THE DRAWINGS:

NOTE: The list below and notes on the drawing identify risks which are deemed to be unusual, abnormal, residual or unexpected to a competent contractor carrying out the works. These notes relate to risks which we have been unable to design out.

Rev.	Amendment	Drn	Chkd	Date
C02	Raised table detail revised	KD	GT	23.09.20
C01	Construction issue	KD	GT	08.07.20
T01	Issued for Tender	NJ	GT	15.05.20
P02	Preliminary Issue	NJ	GT	23.03.20
P01	First issue	NJ	GT	14.02.20

Drg. Status: **CONSTRUCTION** Suitability: **A1**

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■ Oxford
☐ Southampton
☐ Birmingham

Client: DREW SMITH LIMITED

Project: **Colt Industrial Estate Havant**

Title: **Road and Footpath Construction Details Private Areas**

Reviewed Scheme GT Date 14.02.20
Reviewed Final GT Date 08.07.20
Scales at A1 NTS Project No. **S198061**

Project Ref.	Originator	Zone	Level	Type	Role	Drg No.	Rev.
CIE	AKSW	XX	XX	DR	C	9120	C02