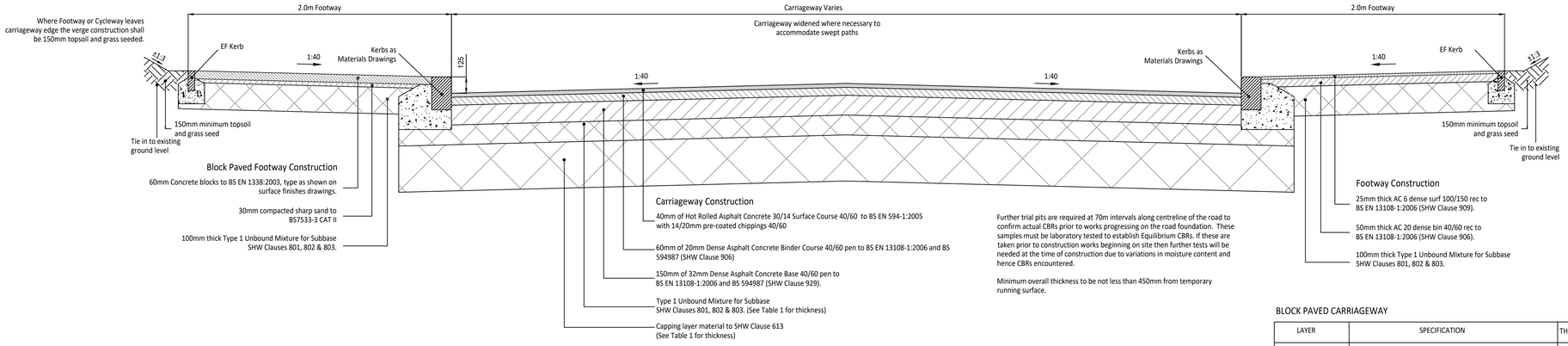


Further trial pits are required at 70m intervals along centreline of the road to confirm actual CBRs prior to works progressing on the road foundation. These samples must be laboratory tested to establish Equilibrium CBRs. If these are taken prior to construction works beginning on site then further tests will be needed at the time of construction due to variations in moisture content and hence CBRs encountered.

Minimum overall thickness to be not less than 450mm from temporary running surface.

Typical Access Road Asphalt Concrete Construction

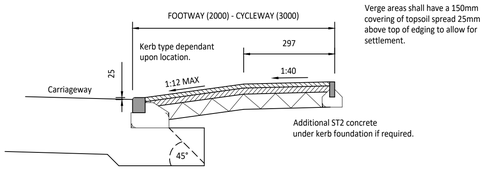
Scale 1:20

BLOCK PAVED CARRIAGEWAY

LAYER	SPECIFICATION	THICKNESS (mm)
BLOCK PAVING	Marshalls keybloc (200x100) concrete paving (or similar approved) laid in 45deg herringbone pattern with single stretcher course adjacent all kerbs and ironwork.	80mm
SAND COURSE	Sand bedding course laid in accordance with bs 7533-3. bedding course to be treated with approved active pre and post emergence residual weed killer.	30mm
BASE	Dense asphalt concrete (AC) Base complying with BS EN 13108. AC32 HDM Base, Grade 40/60. (50mmØ holes drilled or cored @ 1m centres through bitumen base into sub-base and filled 5mm with clean stone.	130mm
SUB BASE	Type 1 sub-base material to clause 803. All test and decisions on sub-base requirements are to be made by the highway authority.	220mm
CAPPING	Class 6F1 or 6F2 granular capping material to clause 613 of SHW. Requirement and thickness dependant upon CBR testing. All tests and decisions on capping to be made by the highway authority.	(SEE TABLE)

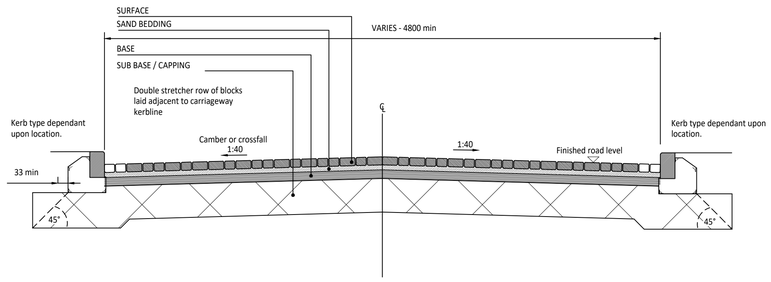
TABLE 1

CAPPING LAYER	
Type 6F1/6F2 CBR <2%	Bespoke design required in accordance with HD 25/94 or IAN 73/06
Type 6F1/6F2 CBR 2-2.5%	600
Type 6F1/6F2 CBR 2.5-5%	350
Type 1 CBR>5%	100



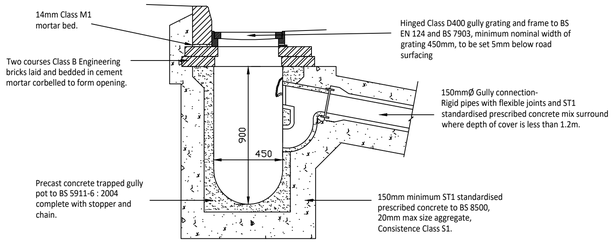
Vehicular Crossing Construction

SEE TABLE FOR CONSTRUCTION DETAILS
SCALE 1:25



Block Paved Carriageway

SEE TABLE FOR CONSTRUCTION DETAILS
SCALE 1:25



Gully Detail

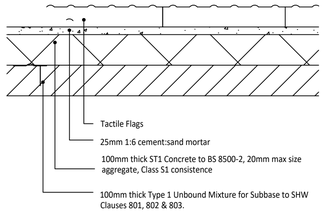
Scale 1:20

BLOCK PAVED CAPPING REQUIREMENTS

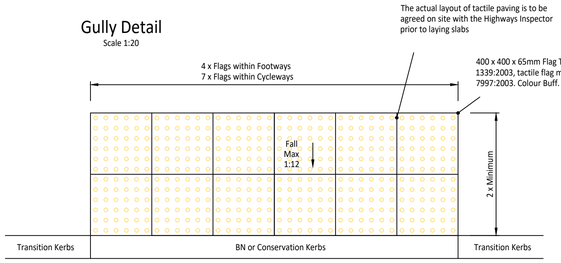
CBR VALUE ON SUB-GRADE	ROAD SUB-BASE	PATH SUB-BASE
>30%	0	0
<=30%	150	150
<=15%	200	150
<=5%	350	150
<=2%	550	300

DOMESTIC VEHICULAR CROSSING

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	Dense grade asphalt concrete surface course complying with BS EN 13108. AC 6 Dense Sur, Binder Grade 100/150 Pen.	20mm
BINDER	20mm Dense grade asphalt concrete binder to clause 906 complying With BS EN 13108. AC 20 Dense Bin, Binder Grade 40/60 Pen.	50mm
SUB BASE	Type 1 sub-base material to clause 803, table 8/2 of SHW. miniumum CBR of 20%. thickness dependant upon CBR testing.	200mm

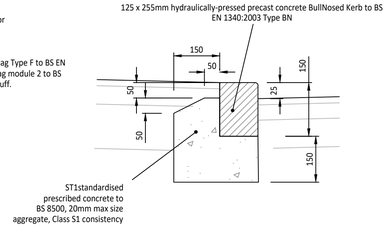


Section
Scale 1:10



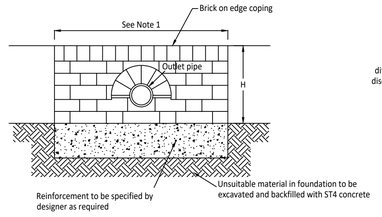
Plan View of Tactile Paving at Uncontrolled Crossing
Scale 1:20

Tactile Paving



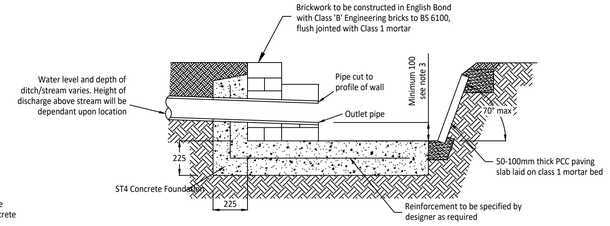
BN Kerb Detail

Scale 1:10



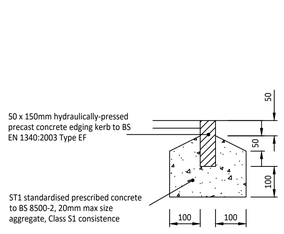
Elevation of Headwall Outfall to Pond / Side of Ditch

Scale 1:20



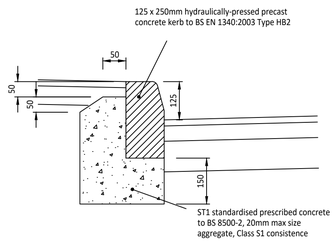
Headwall Section Outfall to Side of Ditch

Scale 1:20



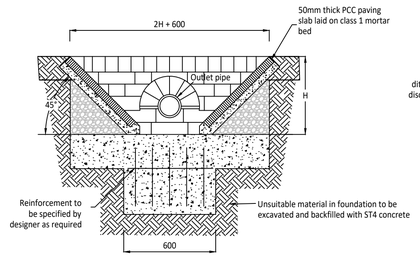
Type EF Edging Detail

Scale 1:10



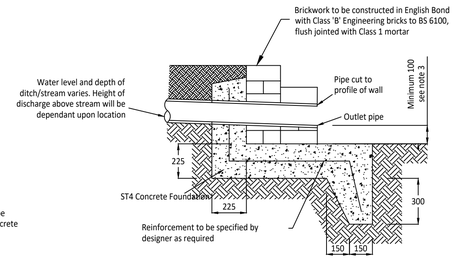
Type HB2 Kerb Detail

Scale 1:10



Elevation of Headwall Outfall to End of Ditch

Scale 1:20



Headwall Section Outfall to Pond / End of Ditch

Scale 1:20

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GENERAL NOTES:
1. Do not scale.
2. This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any structural, Geotechnical or other specialist document provided.
3. Any anomaly or contradiction between any of the above is to be reported to the Engineer.
4. West Sussex County Council Highway Inspector to be present during inspections/CBR testing.

CONSTRUCTION NOTES:
1. Footways and verges shall be 2000 wide except where otherwise approved.
2. All kerbs to BS EN 1340:2003
3. Kerb faces shall be:

	Tolerance
Pedestrian	0- 6
Cycleway/tactile paved	0 -6
Vehicular	25 (+or- 6)

4. Minimum number of flush kerbs at crossing points shall be:

pedestrian	2
vehicular	4 single drive
	7 double drive

5. Dropper kerbs are required at changes in kerb face at crossing points.
6. Edging kerbs shall be provided on all free edges of paved areas not confined by a kerb or boundary wall.
7. Footway and highway verges shall normally fall at 1:40 towards the highway.
8. Vertical alignment of back edging shall be maintained at crossing points and the crossing graded from edging to carriageway level.
9. Asphaltic concrete must comply and be laid in accordance with BS EN 13108 and BS 594987, sub-base shall be clause 803 or 806.
10. All soft spots and organic material must be removed before construction.
11. An approved residual weedkiller which does not contain atrazine or simazine must be applied to all formations.
12. Verge areas shall have a 150 covering of topsoil spread 25 above top of kerb or edging to allow for settlement and shall be seeded in accordance with the specification.
13. Existing verges adjacent to new kerbing must be regraded and seeded.
14. When the surface course is not laid immediately after the binder course, the base course shall be blinded with coated grit complying with BS EN 13108 and BS 594987.
15. When the surface course is not laid immediately after the binder course, a tack coat complying with class K1-40 of BS 434 part 1 shall be applied at uniform rate of spread of 0.15kg/m2 or 0.25kg/m2 prior to laying the surface course.
16. When the binder course is not laid immediately after the base, a tack shall be applied as above.
17. The aggregate in surface course materials shall have a minimum polished stone value of 55 and a maximum aggregate abrasion value of 14.
18. Gravel aggregate will not be permitted in asphaltic concrete.
19. Limestone aggregate will not be permitted in surface course material or binder course material which is to be trafficked.
20. Type 1 material with crushed gravel aggregate shall not be used in the top 150mm below base course level unless permitted by West Sussex County Council.
21. Manhole covers should not be set until the base is laid.

Rev	Date	Description	Drawn	Checked
P1	04.20	First Issue	DS	SM

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Client
BARRATT DAVID WILSON HOMES

Project
WATER LANE, ANGMERING

Title
RESERVED MATTERS CONSTRUCTION DETAILS

Status
FOR APPROVAL

Scale	Date	Drawn	Checked
AS SHOWN@A1	APRIL 20	DS	SM

Drawing No: A290-RM-610
Revision: P1