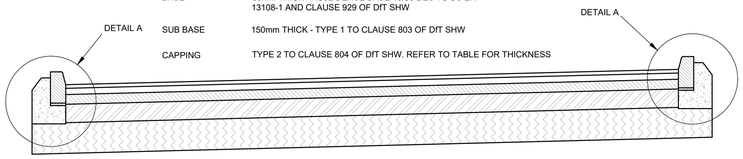
SURFACE COURSE	30mm THICK - AC10 CLOSE SURF 100/150 TO BS EN 13108-1 AND CLAUSE 912 OF DfT SHW
BINDER COURSE	50mm THICK - AC20 DENSE BIN 40/60 DES TO BS EN 13108-1 AND CLAUSE 929 OF DfT SHW
BASE	80mm THICK - AC32 DENSE BASE 40/60 DES TO BS EN 13108-1 AND CLAUSE 929 OF DfT SHW
SUB BASE	150mm THICK - TYPE 1 TO CLAUSE 803 OF DfT SHW
CAPPING	TYPE 2 TO CLAUSE 804 OF DfT SHW. REFER TO TABLE FOR THICKNESS

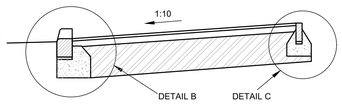


TYPICAL TARMACADAM SURFACE CROSS-SECTION
SCALE 1:25

20mm SURFACE - AC6 DENSE SURF 100/150 TO BS EN 13108-1 AND CLAUSE 912 OF DfT SHW

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

250mm SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW

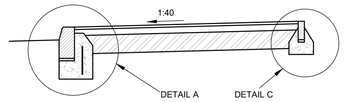


TARMACADAM VEHICLE CROSSOVER DETAIL
SCALE 1:25

20mm SURFACE - AC6 DENSE SURF 100/150 TO BS EN 13108-1 AND CLAUSE 912 OF DfT SHW

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

150mm SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW



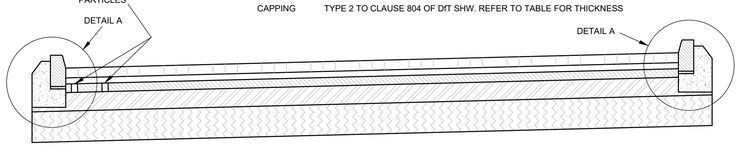
TARMACADAM FOOTPATH DETAIL
SCALE 1:25

TABLE A						
SUB BASE AND CAPPING LAYERS						
SUB BASE THICKNESS (SUB-BASE ONLY OPTION) SHORT TERM						
CBR (%)	<2	2 to 3	>3 to <5	5 to <7	7 to 14	15+
MIW	500*	370*	290	220	180	140
CAPPING LAYER THICKNESS (SUB-BASE AND CAPPING OPTION - SUB-BASE TO BE 150mm) SHORT TERM						
CBR (%)	<2	2 to 3	>3 to <5	5 to <7	7 to 14	15+
MIW	400*	250*	180	180	0	0

NOTE S
1. ON FROST SUSCEPTABLE SOILS A MINIMUM THICKNESS OF CARRIAGEWAY CONSTRUCTION OF 450MM IS REQUIRED, THE SUB-BASE THICKNESS MAY NEED TO BE INCREASED OR THE SUB-GRADE MADE NON-FROST SUSCEPTABLE BY STABLIZATION.
2. * DENOTES THAT A NON-WOVEN GEO-TEXTILE IS REQUIRED AS A SEPERATION LAYER BETWEEN THE SUB-BASE AND SUB-GRADE

2 ROWS OF 50mm DRAINAGE HOLES TO BE PUNCHED THROUGH BASE LAYER AND FILLED WITH 20mm SINGLE SIZED AGGREGATE. LAYER OR TERRAM REQUIRED ABOVE HOLES TO PREVENT MIGRATION OF SAND PARTICLES

SURFACE COURSE	60mm CONCRETE BLOCK PAVING TO BS6717 LAID IN A 45° HERRINGBONE BOND LAID ON 50mm OF SHARP SAND (MAX 3% SILT AND CLAY BY WEIGHT, NOT MORE THAN 10% RETAINED ON 5mm SIEVE)
BASE	70mm THICK - AC32 DENSE BASE 40/60 DES TO BS EN 13108-1 AND CLAUSE 929 OF DfT SHW
SUB BASE	150mm THICK - TYPE 1 TO CLAUSE 803 OF DfT SHW
CAPPING	TYPE 2 TO CLAUSE 804 OF DfT SHW. REFER TO TABLE FOR THICKNESS

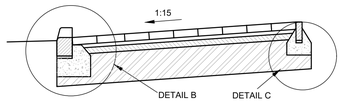


TYPICAL BLOCK PAVED SURFACE CROSS-SECTION
SCALE 1:25

60mm THICK PAVING SLABS (TO ARCHITECT'S SPECIFICATION LAID ON 50mm SHARP SAND AS PER CARRIAGEWAY

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

250mm SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW



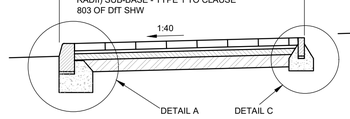
PAVING SLAB/BLOCK PAVING VEHICLE CROSSOVER DETAIL
SCALE 1:25

VARIES

60mm THICK 450x450 PAVING SLABS OR 200x100 BLOCK PAVIORS (TO ARCHITECT'S SPECIFICATION LAID ON 25mm SHARP SAND

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

100mm (150mm ADJACENT TO JUNCTION RADII) SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW



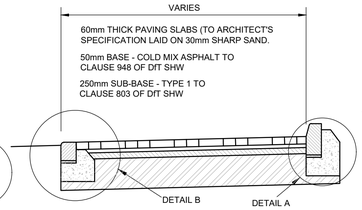
PAVING SLAB/BLOCK PAVING FOOTPATH DETAIL
SCALE 1:25

VARIES

60mm THICK PAVING SLABS (TO ARCHITECT'S SPECIFICATION LAID ON 30mm SHARP SAND.

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

250mm SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW

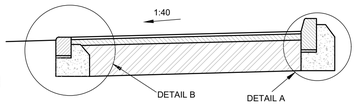


BLOCK PAVING PARKING BAY DETAIL
SCALE 1:25

20mm SURFACE - AC6 DENSE SURF 100/150 TO BS EN 13108-1 AND CLAUSE 912 OF DfT SHW

50mm BASE - COLD MIX ASPHALT TO CLAUSE 948 OF DfT SHW

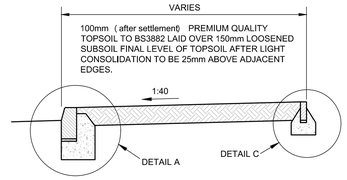
250mm SUB-BASE - TYPE 1 TO CLAUSE 803 OF DfT SHW



TARMACADAM PARKING BAY DETAIL
SCALE 1:25

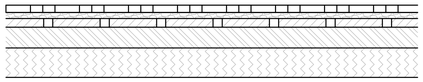
VARIES

100mm (after settlement) PREMIUM QUALITY TOPSOIL TO BS3882 LAID OVER 150mm LOOSENED SUBSOIL FINAL LEVEL OF TOPSOIL AFTER LIGHT CONSOLIDATION TO BE 25mm ABOVE ADJACENT EDGES.



TYPICAL VERGE DETAIL
SCALE 1:25

SURFACE COURSE	80mm POROUS PAVING BLOCKS (REFER TO ARCH'S DETAILS) LAID IN A 45° HERRINGBONE OR STAGGERED PATTERN 50mm WASHED SINGLE SIZED 6mm AGGREGATE LAYER OF PERMEABLE GEOTEXTILE - TERRAM
BINDER	70mm AC20 DENSE BIN 100/150 TO BS EN 13108-1 AND CLAUSE 906 OF DfT SHW 75mm DRAINAGE HOLES AT 2000 CENTRES TO BE PUNCHED THROUGH THE DBM LAYER AND FILLED WITH WASHED 6mm AGGREGATE
ROAD BASE	170mm (min) 720mm (max) OPEN GRADED CRUSHED ROCK OR OPEN GRADED CRUSHED GRAVEL TO MANUFACTURER'S REQUIREMENTS LAYER OF PERMEABLE GEOTEXTILE - TENSILE TRIAX GEOGRID
CAPPING LAYER	315mm TYPE 2 TO CLAUSE 804 OF DfT SHW (C.B.R. VALUES 2 - 3) 240mm TYPE 2 TO CLAUSE 804 OF DfT SHW (C.B.R. VALUES >3 - <5)



POROUS PAVED SURFACE DETAIL (FOR HGV OR MULTIPLE VEHICLE ACCESS)
SCALE 1:25

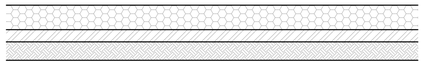
150mm GEOSYNTHETICS "CELLWEB" FILLED WITH SINGLE SIZED AGGREGATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

TREETEX T300 GEOTEXTILE SEPARATION FABRIC (OR SIMILAR)

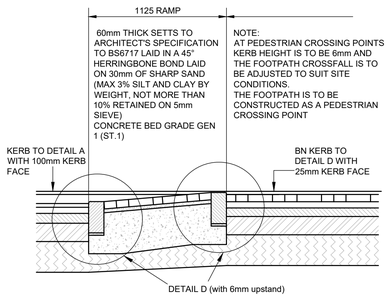
REGULATING LAYER OF TYPE 1 GRANULAR MATERIAL TO BE GENTLY COMPACTED TO PROVIDE LEVEL SURFACE FOR LAYING OF CELLWEB

100mm (MAXIMUM) OF EXISTING TURF AND TOPSOIL TO BE REMOVED BY HAND TO AVOID DAMAGE TO TREE ROOTS.

SUB GRADE TO BE PREPARED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



POROUS PAVED CARPARK DETAIL (NOT SUITABLE FOR HGV OTHER THAN EMERGENCY VEHICLES)
SCALE 1:25



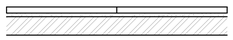
TYPICAL 75mm HIGH RAMP DETAIL
SCALE 1:25

SURFACE COURSE	30mm THICK - AC10 CLOSE SURF 100/150 TO BS EN 13108-1 AND CLAUSE 912 OF DfT SHW
BINDER COURSE	70mm THICK - AC20 DENSE BIN 40/60 DES TO BS EN 13108-1 AND CLAUSE 929 OF DfT SHW
SUB BASE	150mm THICK - TYPE 1 TO CLAUSE 803 OF DfT SHW.
GEOTEXTILE	TENSAR TRIAX GEOGRID (OR SIMILAR APPROVED.
CAPPING	250mm THICK - TYPE 3 TO CLAUSE 805 OF DfT SHW.
SUBGRADE	TO BE PREPARED IN ACCORDANCE WITH DfT SHW 600 SERIES

PARKING SPACE DETAIL
SCALE 1:25

50mm (600x600) CONCRETE PAVING SLABS LAID IN STAGGERED FORMATION ON 30mm OF SHARP SAND (MAX 3%% SILT AND CLAY BY WEIGHT NOT MORE THAN 10% RETAINED ON 5mm SIEVE)

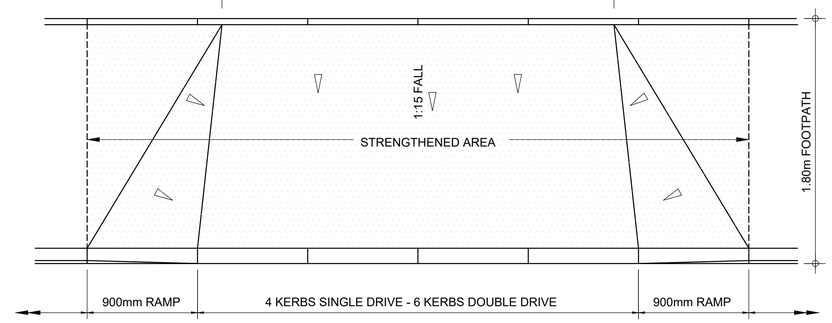
100mm TYPE 1 GRANULAR MATERIAL



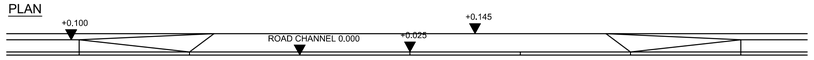
TYPICAL PRIVATE FLAGGED PATH CROSS-SECTION
SCALE 1:25

SURFACE COURSE	200mm THICK - PAV2 CONCRETE WITH TWO LAYERS OF A393 MESH TOP AND BOTTOM. BOTH LAYERS TO HAVE MINIMUM 40mm COVER.
SUB-BASE	150mm THICK - TYPE 1 TO CLAUSE 803 OF DfT SHW.
GEOTEXTILE	TENSAR TRIAX GEOGRID (OR SIMILAR APPROVED.
CAPPING	250mm THICK - TYPE 3 TO CLAUSE 805 OF DfT SHW.
SUBGRADE	TO BE PREPARED IN ACCORDANCE WITH DfT SHW 600 SERIES.

CONCRETE SERVICE YARD DETAIL
SCALE 1:25

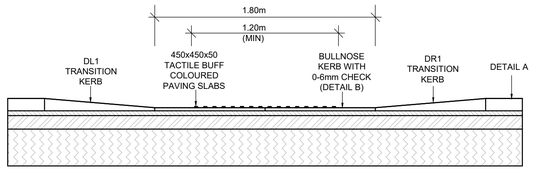


PLAN



ELEVATION

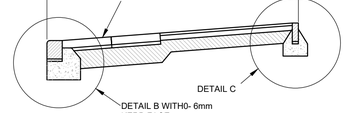
CROSSOVER DETAILS



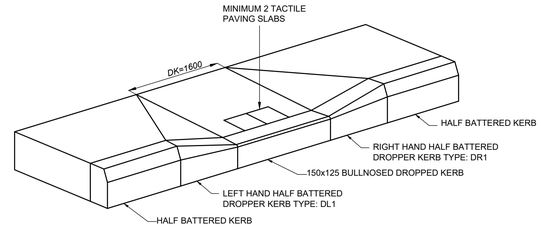
ELEVATION OF TACTILE CROSSING
NOT TO SCALE

FOOTWAY

400mm x 400mm x 65mm THICK TACTILE PAVING BUFF COLOURED TO BS 7263: pt.1 LAID ON 25mm SAND/CEMENT MORTAR ON 150mm THICKNESS GRANULAR MATERIAL



PEDESTRIAN CROSSING DETAIL
SCALE 1:25



PEDESTRIAN CROSSING DETAIL
SCALE NTS

Scale 1:25
1m 3m 5m

Notes:

1. All dimensions in millimeters unless noted otherwise.
2. This drawing to be read in conjunction with all other engineering drawings and calculations associated with this project.
3. All adoptable highway works are to be carried out to the requirements and full satisfaction of the Kent County Council.
4. All adoptable drainage works are to be carried out to the requirements and full satisfaction of Southern Water Services ltd.
5. All sewers are to be constructed in accordance with water authorities association publication `Sewers for Adoption 7th Edition`.
6. All components and materials are to be manufactured and supplied in accordance with the relevant British Standards, and laid and backfilled in accordance with manufacturers instructions and the relevant British Standards.
7. All gullies to be trapped.
8. Road markings to be in accordance with standard dimensions and layout as recommended in the traffic signs regulations and general directions 2002.
9. All building drainage to be installed and tested in compliance with the Building Regulations 2000 drainage and Waste Disposal Approved document H 2002 edition.
10. All above ground drainage to incorporate rodding access facilities.
11. For internal drainage positions refer to Architect's current working drawings.
12. For landscaping surface material finishes refer to Architect's current working drawings.
13. All rain water pipe connections are to match downpipe diameters.
14. For finished external works levels refer to Architect's working drawings.
15. External works drainage details in abeyance subject to receipt of Architect's working drawings showing finished levels and surface finishes.
16. All foundations to be constructed with base of foundation to be a minimum of 150mm below lowest part of adopted sewer.

Rev	Description	Iss	Chk	Date
2	Scale Updated	AW	AC	30/04/21
1	Stage 3 Issue	AC	STB	21/12/20

Client
Tunbridge Wells Borough Council

Project
Benhall Mill

Drawing
Proposed Civils Details
Sheet 1 of 2

Scale @ A1
AS SHOWN

STATUS
PRELIMINARY

crofton
THE HOPPERS
GOBLANDS FARM BUSINESS CENTRE
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London | Kent | East Sussex

Job No.	Drg. No.	Rev
20012	C-1001	P2

20012-CFN-00-00-DR-C-1001-S2-P2