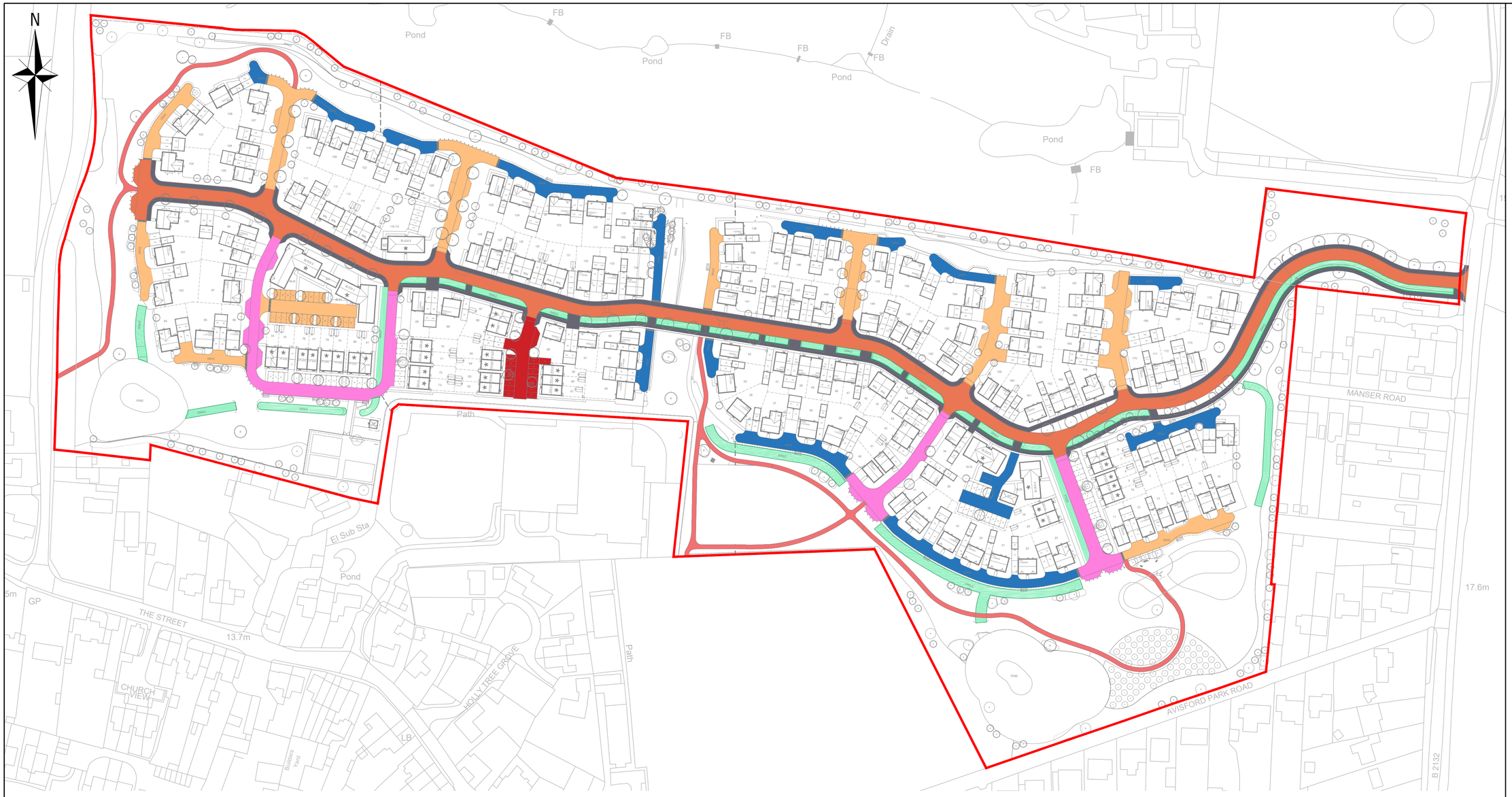
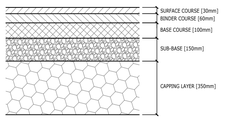


KEY

- ASPHALT CARRIAGEWAY
- ASPHALT FOOTWAY
- BLOCK-PAVED SHARED SURFACE
- PERMEABLE BLOCK-PAVED SHARED SURFACE
- PERMEABLE BLOCK-PAVED SHARED ACCESS WITH PERMAVOID SUB-BASE
- SHARED DRIVEWAY ACCESS
- RURAL FOOTPATH - REFER TO WSCC DETAIL (TYPE A) S278/38/06

FOR INFORMATION ONLY

ASPHALT CARRIAGEWAY CONSTRUCTION SPECIFICATION



SURFACE COURSE
30mm OF DENSE BITUMINOUS MACADAM (100/150 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987 (0/10mm SIZE TO CLAUSE 7.4)

BINDER COURSE
60mm OF DENSE BITUMINOUS MACADAM (100/150 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987 (0/20mm SIZE TO CLAUSE 6.5).

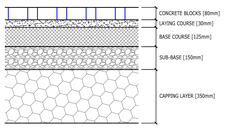
BASE COURSE
100mm OF DENSE BITUMINOUS MACADAM (100 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987 (0/32mm SIZE TO CLAUSE 5.2).

SUB-BASE
150mm MIN. OF TYPE 1 GRANULAR MATERIAL TO COMPLY WITH CLAUSE 803, MCHW
A SACRIFICIAL AC20 BINDER IS TO BE USED AS A RUNNING SURFACE FOR CONSTRUCTION TRAFFIC FOR THE DURATION OF THE BUILD OR UNTIL THE FORMAL BINDER/SURFACE COURSE IS READY TO BE LAID.

CAPPING LAYER
350mm MIN. OF CLASS 6F1 MATERIAL TO CLAUSE 613 AND TABLE 6/1 OF SERIES 600 OF MCHW1 (BASED UPON A CBR OF 2.5% - 3F DIFFERENT, REFER TO ENGINEER FOR CLARIFICATION)
CLASS 6F1 IS NOT PERMITTED UNLESS 15% CBR IS ACHIEVED AND IS DEMONSTRATED BY IN SITU TESTING OF THE MATERIAL AS PLACED AND COMPACTED ON SITE.

CARRIAGEWAY CONSTRUCTION SPECIFIED ABOVE IS SUITABLE FOR CBR VALUES OF BETWEEN 3% & 6%. FOR CBR VALUES OUTSIDE OF THIS RANGE, REFER BACK TO THE ENGINEER FOR CLARIFICATION.

CONSTRUCTION SPECIFICATION FOR BLOCK PAVING ON SHARED SURFACES (NON-PERMEABLE)



COLOUR: BRINDLE

BLOCK PAVING
80mm THICK 200 x 100 PERMEABLE BLOCK PAVING AS 'BRETT OMEGA FLOW'
(OR SIMILAR APPROVED), LAID IN 45° HERRINGBONE PATTERN
COLOUR: BRINDLE
REFER TO KERBING AND PAVING LAYOUT FOR BLOCK EXTENTS

LAYING COURSE
30mm SHARP SAND TO BS 7533-3 CATEGORY II OF ANNEX D

BASE COURSE
(SUITABLE AS CONSTRUCTION TRAFFIC RUNNING COURSE PRIOR TO PUNCTURING PROCESS AND LAYING OF BLOCKS)
100mm AC 20 DENSE BASE 40/60 REC TO BS EN 13108-1 ASPHALT CONCRETE, CAREFULLY PUNCTURED WITH 75mmØ HOLES @ 750mm c/c AND FILLED WITH 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002, PRIOR TO INSTALLATION OF LAYING COURSE & BLOCKS.

SUB-BASE
150mm MIN. OF TYPE 1 GRANULAR MATERIAL TO COMPLY WITH CLAUSE 803, MCHW
A SACRIFICIAL AC20 BINDER IS TO BE USED AS A RUNNING SURFACE FOR CONSTRUCTION TRAFFIC FOR THE DURATION OF THE BUILD OR UNTIL THE FORMAL BINDER/SURFACE COURSE IS READY TO BE LAID.

CAPPING LAYER
350mm MIN. OF CLASS 6F1 MATERIAL TO CLAUSE 613 AND TABLE 6/1 OF SERIES 600 OF MCHW1 (BASED UPON A CBR OF 2.5% - 3F DIFFERENT, REFER TO ENGINEER FOR CLARIFICATION)
CLASS 6F1 IS NOT PERMITTED UNLESS 15% CBR IS ACHIEVED AND IS DEMONSTRATED BY IN SITU TESTING OF THE MATERIAL AS PLACED AND COMPACTED ON SITE.

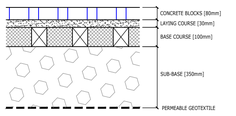
PERMEABLE GEO-TEXTILE
TERRAM 1000.

BLOCK PAVING CONSTRUCTION SPECIFIED ABOVE IS SUITABLE FOR CBR VALUES OF BETWEEN 3% & 6%. FOR CBR VALUES OUTSIDE OF THIS RANGE, REFER BACK TO THE ENGINEER FOR CLARIFICATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE PUNCTURING PROCESS OF THE BASE COURSE DBM LAYER IS CARRIED OUT AS NEATLY AND CAREFULLY AS POSSIBLE TO MINIMISE DISTURBANCE AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE DBM.

ON COMPLETION OF THE PUNCTURING PROCESS THE CONTRACTOR IS TO REQUEST AN INSPECTION OF THE SURFACE FOR APPROVAL, PRIOR TO THE INSTALLATION OF THE LAYING COURSE AND BLOCKS.

CONSTRUCTION SPECIFICATION FOR BLOCK PAVED PERMEABLE PAVING ON SHARED PRIVATE DRIVES



COLOUR: BRINDLE

BLOCK PAVING
80mm THICK 200 x 100 PERMEABLE BLOCK PAVING AS 'BRETT OMEGA FLOW'
(OR SIMILAR APPROVED), LAID IN 45° HERRINGBONE PATTERN
COLOUR: BRINDLE
REFER TO KERBING AND PAVING LAYOUT FOR BLOCK EXTENTS

LAYING COURSE
30mm LAYER OF 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002

BASE COURSE
(SUITABLE AS CONSTRUCTION TRAFFIC RUNNING COURSE PRIOR TO PUNCTURING PROCESS AND LAYING OF BLOCKS)
125mm AC 20 DENSE BASE 40/60 REC TO BS EN 13108-1 ASPHALT CONCRETE, CAREFULLY PUNCTURED WITH 75mmØ HOLES @ 750mm c/c AND FILLED WITH 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002, PRIOR TO INSTALLATION OF LAYING COURSE & BLOCKS.

SUB-BASE
400mm THICK LAYER OF 20mm AGGREGATE (OPEN GRADE CRUSHED STONE WITH MIN 30% VOID RATIO), CLEAN AND FREE FROM ANY FRIABLE MATERIAL, STRICTLY IN ACCORDANCE WITH BRETT "PERMEABLE AGGREGATES" AS TYPE 4/20 MATERIAL TO BS EN 13242:2002.

PERMEABLE PAVING CONSTRUCTION SPECIFIED ABOVE IS SUITABLE FOR CBR VALUES OF BETWEEN 2.5% & 5%. FOR CBR VALUES OUTSIDE OF THIS RANGE, REFER BACK TO THE ENGINEER FOR CLARIFICATION.

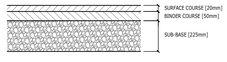
PERMEABLE GEOTEXTILE
MARSHALLS PERMAFILTER

ALL MATERIAL SPECIFICATION AND WORKMANSHIP OF PERMEABLE PAVING CONSTRUCTION TO BE STRICTLY IN ACCORDANCE WITH RECOMMENDATIONS BY CHARCON.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE PUNCTURING PROCESS OF THE BASE COURSE DBM LAYER IS CARRIED OUT AS NEATLY AND CAREFULLY AS POSSIBLE TO MINIMISE DISTURBANCE AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE DBM.

ON COMPLETION OF THE PUNCTURING PROCESS THE CONTRACTOR IS TO REQUEST AN INSPECTION OF THE SURFACE FOR APPROVAL, PRIOR TO THE INSTALLATION OF THE LAYING COURSE AND BLOCKS.

ASPHALT FOOTPATH CONSTRUCTION SPECIFICATION



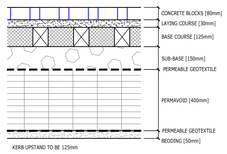
SURFACE COURSE
30mm OF DENSE SURF (100/150 PEN PAVING GRADE BITUMEN) REC TO BSEN 13108-15

LAYING COURSE
30mm LAYER OF 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002

BINDER COURSE
50mm OF AC20 DENSE BIN (100/150 PEN PAVING GRADE BITUMEN) REC TO BS EN 13108-1

SUB-BASE
225mm MIN. OF TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 MCHW1

CONSTRUCTION SPECIFICATION FOR BLOCK PAVED PERMEABLE PAVING WITH PERMAVOID SUBBASE ON SHARED PRIVATE DRIVES



COLOUR: BRINDLE

BLOCK PAVING
80mm THICK 200 x 100 PERMEABLE BLOCK PAVING AS 'BRETT OMEGA FLOW'
(OR SIMILAR APPROVED), LAID IN 45° HERRINGBONE PATTERN
COLOUR: BRINDLE
REFER TO KERBING AND PAVING LAYOUT FOR BLOCK EXTENTS

LAYING COURSE
30mm LAYER OF 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002

BASE COURSE
(SUITABLE AS CONSTRUCTION TRAFFIC RUNNING COURSE PRIOR TO PUNCTURING PROCESS AND LAYING OF BLOCKS)
125mm AC 20 DENSE BASE 40/60 REC TO BS EN 13108-1 ASPHALT CONCRETE, CAREFULLY PUNCTURED WITH 75mmØ HOLES @ 750mm c/c AND FILLED WITH 2-6.3mm SIZE CLEAN AGGREGATE TO BS EN 12242:2002, PRIOR TO INSTALLATION OF LAYING COURSE & BLOCKS.

SUB-BASE
350mm THICK LAYER OF 20mm AGGREGATE (OPEN GRADE CRUSHED STONE WITH MIN 30% VOID RATIO), CLEAN AND FREE FROM ANY FRIABLE MATERIAL, STRICTLY IN ACCORDANCE WITH BRETT "PERMEABLE AGGREGATES" AS TYPE 4/20 MATERIAL TO BS EN 12242:2002.

PERMEABLE GEOTEXTILE
POLYPIPE PERMAFILTER

PERMAVOID
1No. LAYER OF PERMAVOID ATTENUATION CRATES WITH A 95% VOID STORAGE VOLUME.

PERMEABLE GEOTEXTILE
POLYPIPE PERMAFILTER.

BEDDING
50mm GRANULAR BEDDING LAYER TO POLYPIPE SPECIFICATION

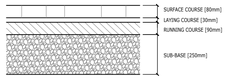
ALL MATERIAL SPECIFICATION AND WORKMANSHIP OF PERMEABLE PAVING CONSTRUCTION TO BE STRICTLY IN ACCORDANCE WITH RECOMMENDATIONS BY CHARCON.

PERMEABLE PAVING CONSTRUCTION SPECIFIED ABOVE IS SUITABLE FOR CBR VALUES OF BETWEEN 2.5% & 5%. FOR CBR VALUES OUTSIDE OF THIS RANGE, REFER BACK TO THE ENGINEER FOR CLARIFICATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE PUNCTURING PROCESS OF THE BASE COURSE DBM LAYER IS CARRIED OUT AS NEATLY AND CAREFULLY AS POSSIBLE TO MINIMISE DISTURBANCE AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE DBM.

ON COMPLETION OF THE PUNCTURING PROCESS THE CONTRACTOR IS TO REQUEST AN INSPECTION OF THE SURFACE FOR APPROVAL, PRIOR TO THE INSTALLATION OF THE LAYING COURSE AND BLOCKS.

CONSTRUCTION SPECIFICATION FOR NON PERMEABLE BLOCK PAVED SHARED PRIVATE DRIVE AREAS



COLOUR: BRINDLE

SURFACE COURSE
200 x 100 x 80mm THICK PCC BLOCK PAVING, LAID IN 45° HERRINGBONE PATTERN. COLOUR: TO ARCHITECT'S SPECIFICATION.

LAYING COURSE
30mm SHARP SAND TO BS EN 12620.

RUNNING COURSE
90mm AC 20 DENSE BIN 100/150 REC TO BS EN 13108-1 ASPHALT CONCRETE.

SUB-BASE
250mm MIN. OF TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 MCHW1

Rev	Description	Drn	Chk	App	Date
P3	MEMBRANE TO PERMAVOID FORMATION REVISED	JM	JM	GH	25.03.19
P2	REVISED TO SHOW KERB UPSTAND INFO	JM	JM	GH	20.02.19
P1	PRELIMINARY ISSUE	JM	JM	GH	15.02.19

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Client
LINDEN HOMES SOUTH

Project Title:
LAND EAST OF TYE LANE, WALBERTON

Drawing Title:
SURFACE FINISHES PLAN

A1 Scale	Date	Designed by
1:1000	FEB 2019	JM
Drawn by	Checked by	Approved by
JM	JM	GH

Drawing Number 183240-010 Rev P3

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