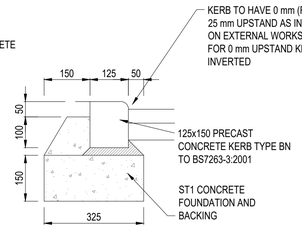
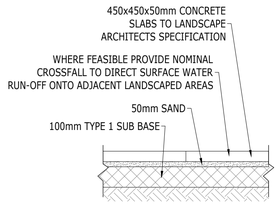


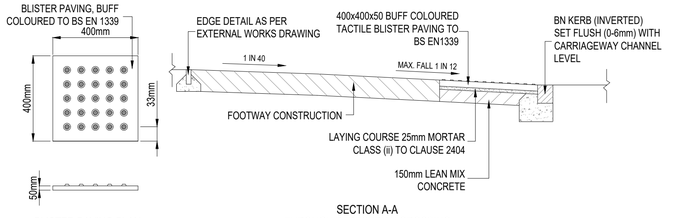
HB2 KERB



BN KERB

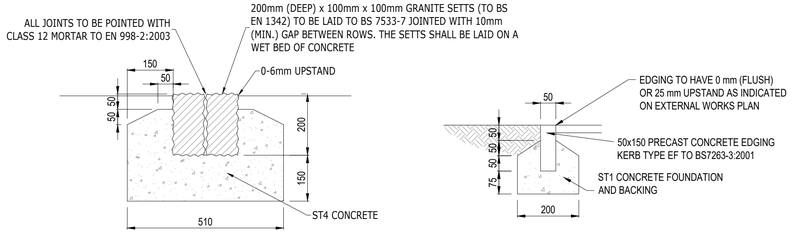


PAVING SLABS
(PATIO / FOOTPATH DETAIL)



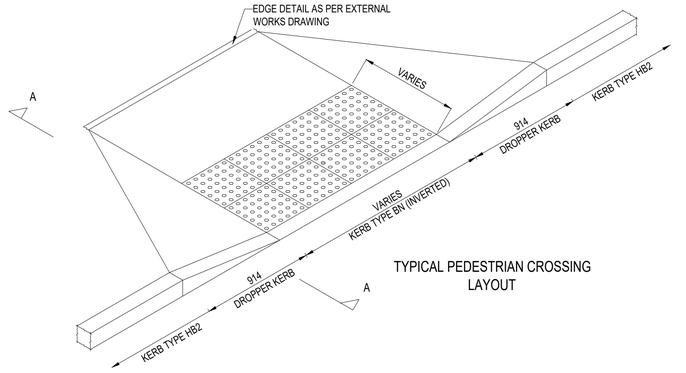
BLISTER PAVING PLAN

SECTION A-A
THROUGH PEDESTRIAN CROSSING

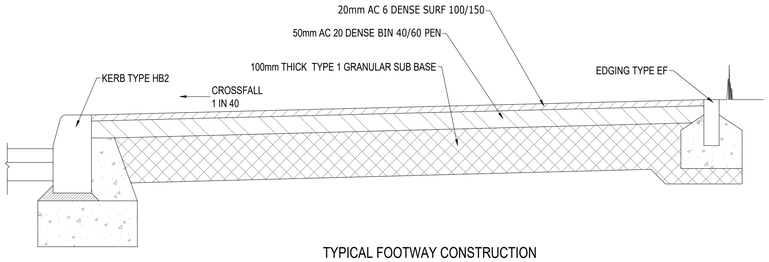


DOUBLE ROW GRANITE SETTS

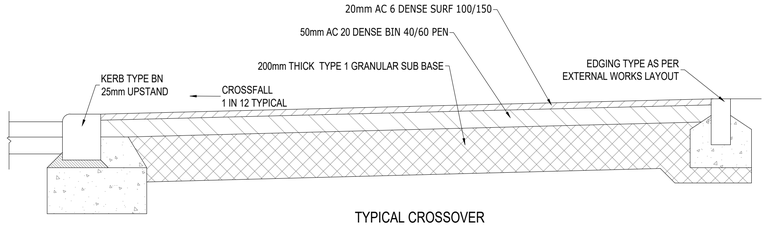
EF EDGING



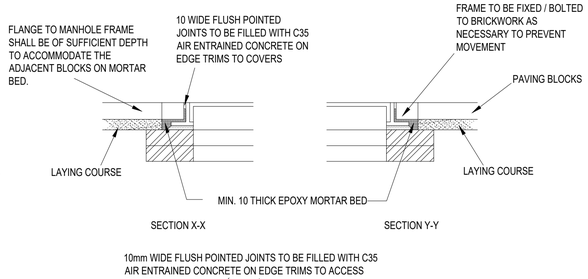
TYPICAL PEDESTRIAN CROSSING
LAYOUT

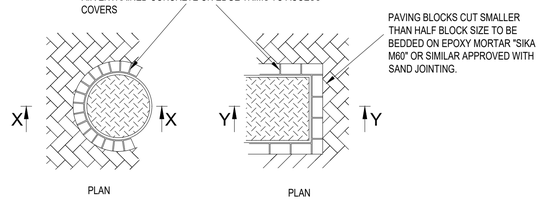


TYPICAL FOOTWAY CONSTRUCTION

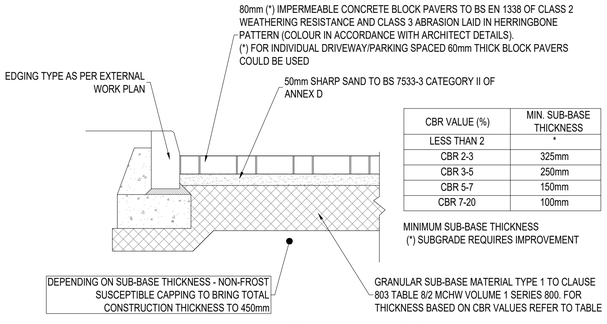


TYPICAL CROSSOVER
CONSTRUCTION





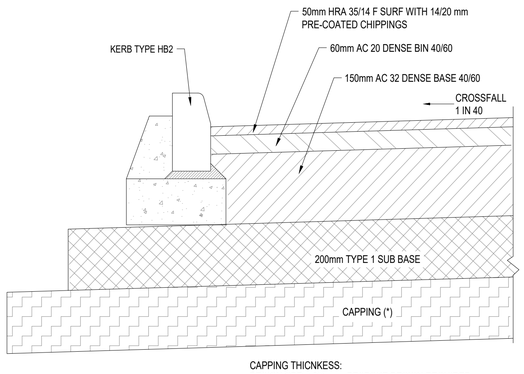
EDGE TRIMS TO ACCESS COVERS



CBR VALUE (%)	MIN. SUB-BASE THICKNESS
LESS THAN 2	*
CBR 2-3	325mm
CBR 3-5	250mm
CBR 5-7	150mm
CBR 7-20	100mm

MINIMUM SUB-BASE THICKNESS
(*) SUBGRADE REQUIRES IMPROVEMENT

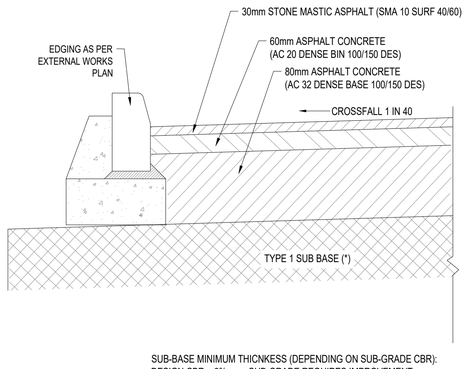
BLOCK PAVED PARKING /
ACCESS



CAPPING THICNKESS:
DESIGN CBR < 2% - BESPOKE DESIGN REQUIRED
DESIGN CBR 2-2.5% - 600mm
DESIGN CBR >2.5-5% - 350mm
DESIGN CBR >5% - 100mm (OF TYPE 1 TO CLAUSE 803)

FOR DESIGN CBR <= 5% CAPPING SHALL BE CLASS 6F1/6F2 (SITE WON) OR 6F4/6F5 (IMPORTED) MATERIAL

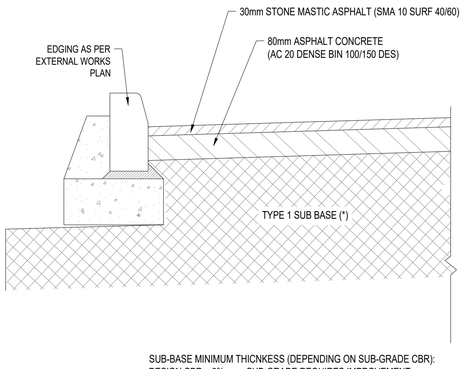
S38 CARRIAGEWAY CONSTRUCTION



SUB-BASE MINIMUM THICNKESS (DEPENDING ON SUB-GRADE CBR):
DESIGN CBR < 2% - SUB-GRADE REQUIRES IMPROVEMENT
DESIGN CBR 2-3% - 325mm
DESIGN CBR 3-5% - 250mm
DESIGN CBR 5-7% - 150mm
DESIGN CBR 7-20% - 100mm (OF TYPE 1 TO CLAUSE 803)

DESIGN TO NHBC SPEC SECTION 10.2.6, TABLE 2B (SHARED PARKING AND ASSOCIATED AREAS HAVING FREQUENT USE BY COMMERCIAL VEHICLES)

ACCESS ROAD - STONE MASTIC ASPHALT



SUB-BASE MINIMUM THICNKESS (DEPENDING ON SUB-GRADE CBR):
DESIGN CBR < 2% - SUB-GRADE REQUIRES IMPROVEMENT
DESIGN CBR 2-3% - 325mm
DESIGN CBR 3-5% - 250mm
DESIGN CBR 5-7% - 150mm
DESIGN CBR 7-20% - 100mm (OF TYPE 1 TO CLAUSE 803)

DESIGN TO NHBC SPEC SECTION 10.2.6, TABLE 2C (SHARED DRIVES HAVING INFREQUENT USE BY COMMERCIAL VEHICLES)

PRIVATE ACCESS - STONE MASTIC ASPHALT

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS.
2. IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS OR ANY OTHER DISCREPANCIES ARE FOUND THESE SHOULD BE REPORTED TO THE ENGINEER AND/OR CLIENT IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
3. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
4. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PERMISSION FROM THE ENGINEER.
5. WORKS TO BE CARRIED OUT IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS (SHW) LATEST EDITION AND CURRENT BRITISH STANDARDS.
6. ALL ASPHALT / BITUMINOUS MATERIAL SHALL BE TRANSPORTED LAID COMPACTED AND TESTED TO BS EN 594987.
7. ALL ASPHALT AND SURFACING MATERIAL TO BE LAID BY AN EXPERIENCED SURFACING CONTRACTOR.
8. KERB UPSTANDS AT PEDESTRIAN, TACTILE AND VEHICULAR CROSSINGS ARE TO BE IN ACCORDANCE WITH THE EXTERNAL WORKS LAYOUT DRAWINGS.
9. SURFACE COURSE SHALL NOT BE TRAFFICKED FOR 24 HOURS.
10. WITH SUB-BASE MATERIAL PARTICULAR ATTENTION SHALL BE PAID TO PLACING AND COMPACTING TO ACHIEVE MAXIMUM DENSITY.
11. THE CONTRACTOR SHALL CONFIRM AT HIS OWN EXPENSE THE 'CBR' VALUE ALONG THE CARRIAGEWAY ROUTE AT 30m CENTRES.
12. ANY SOFT SPOTS ARE TO BE REMOVED AND REPLACED WITH CLASS 6F2 OR MATERIAL APPROVED AND TO THE SATISFACTION OF THE ENGINEER.
13. IF SUB GRADE IS FROST SUSCEPTIBLE THEN THE NON FROST SUSCEPTIBLE FOUNDATION MUST NOT BE LESS THAN 450mm THICK.
14. ALL JOINTS IN BINDER AND BASE COURSES TO BE SEALED WITHIN 24 HOURS IN ACCORDANCE WITH SHW CLAUSE 903.
15. GROUND STABILISATION
CBR RESULTS OF LESS THAN 2% WILL REQUIRE GROUND STABILISATION.
THERE ARE VARIOUS GROUND STABILISATION METHODS AVAILABLE, THESE INCLUDE:
    - LIME/CEMENT SOIL STABILISATION - IS TO BE USED WHERE THERE ARE COHESIVE SOILS.
    - INCREASED CAPPING - IF A SUITABLE LOAD BEARING SOIL IS WITHIN 1m OF FORMATION, THE RELATIVELY SOFT MATERIAL ABOVE IS TO BE EXCAVATED AND FILLED WITH CAPPING IN COMPLIANCE WITH ABOVE.
    - GEO-GRID - IS TO ONLY BE USED AS A LAST RESORT IF EITHER OF THE OPTIONS ABOVE AREN'T POSSIBLE.

Rev	Amendments	Drn	Chk	App	Date
C	SMA PRIVATE ACCESS DETAIL ADDED, TANKED PERMEABLE PAVING DETAIL OMITTED	AK	SW	SW	30.01.24
B	SMA ACCESS ROAD DETAIL ADDED	AK	SW	SW	16.10.23
A	TANKED PERMEABLE PAVING DETAIL ADDED	AK	SW	SW	10.10.23

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Job Title
SUMNERS POND, CHAPEL ROAD, BARNS GREEN, HORSHAM

Drawing Title
HIGHWAY CONSTRUCTION DETAILS

Client
SIGMA HOMES

Scale	Date	Designed
N.T.S. @ A1	SEP 23	AK
Drawn	Checked	Approved
AK	SW	SW
Job No	Drawing No	Rev
23-020	23-020-505	C

P:\23-020 - Sumners Pond, Barns Green, Horsham\Tech\Acad\Drawings\23-020-505 Highway Construction Details.dwg