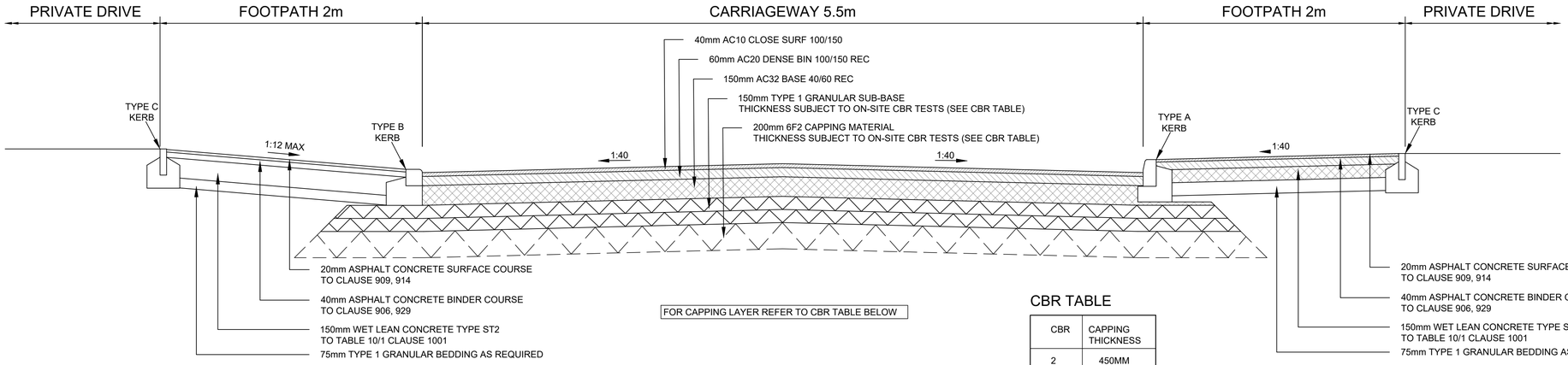


FOR CAPPING LAYER REFER TO CBR TABLE BELOW

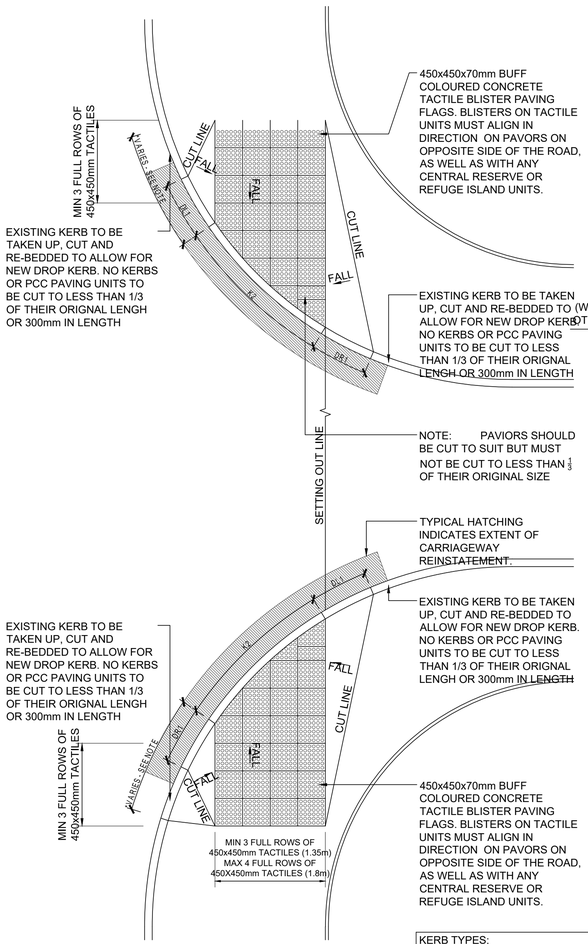
CBR TABLE

CBR	CAPPING THICKNESS
2	450MM
3	375MM
4	300MM
5	250MM
>30	205MM

ADOPTABLE VEHICLE CROSSING CONSTRUCTION
SCALE 1:20

ADOPTABLE ROAD CONSTRUCTION
SCALE 1:20

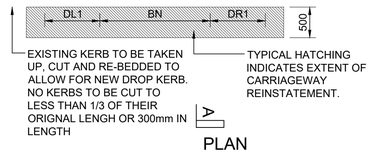
ADOPTABLE FOOTWAY CONSTRUCTION
SCALE 1:20



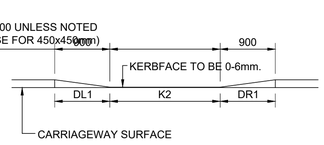
KERB TYPES:

DL1: 125 X 255/150 AS PER BS EN 1340
DR1: 125 X 255/150 AS PER BS EN 1340
K2: 150 X 125 BN AS PER BS EN 1340

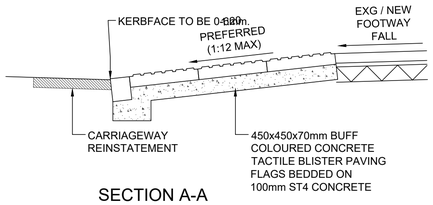
* INDICATES LENGTH OF DROPPER MAY BE INCREASED TO ACCOMODATE STEEP FOOTPATH FALLS



PLAN



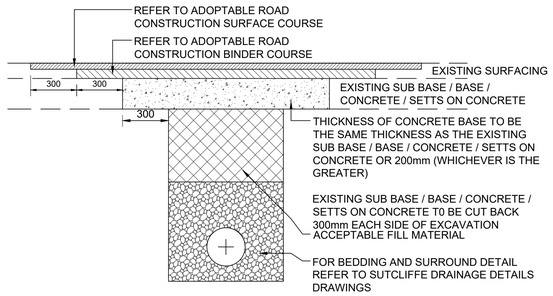
ELEVATION



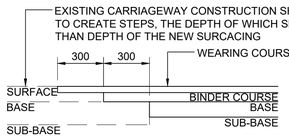
SECTION A-A

1. TACTILE PAVING SURFACES TO BE LAID IN ACCORDANCE WITH DETR PUBLICATION. 'GUIDANCE ON THE USE OF TACTILE PAVING SURFACES' PUBLISHED 1999'
2. ANY MAKE UP IN PAVED CONSTRUCTION TO BE IN CUT FLAGS SAVED FROM EXISTING FOOTWAY. CONCRETE INFILL ONLY TO BE USED WITH THE INSTRUCTION OF OVERSEEING ORGANISATIONS REPRESENTATIVE ON SITE.
3. BLISTERS ON TACTILE UNITS MUST ALIGN IN DIRECTION WITH BLISTERS ON PAVIOURS ON OPPOSITE SIDE OF ROAD AS WELL AS WITH ANY CENTRAL RESERVE OR REFUGE ISLAND UNITS
4. NO KERBS OR PCC PAVING UNITS ARE TO BE CUT TO LESS THAN ONE THIRD OF THEIR ORIGINAL SIZE
5. ALL KERBS TO BE TRANSPORTED AND POSITIONED BY MECHANICAL MEANS AS REQUIRED BY CURRENT LEGISLATION INCLUDING THE MANUAL HANDLING OPERATIONS REGULATIONS 1992 AS AMENDED 2004
6. EACH CROSSING LOCATION IS TO BE ASSESSED FOR THE PROVISION OF A GULLY ON THE UPSTREAM SIDE. CRITERIA TO INCLUDE EXISTING FOOTWAY AND CARRIAGEWAY FALLS AND THE LOCATION OF AND EXISTING DRAINAGE TO TIE INTO.
7. ANY MAKE UP IN PAVED CONSTRUCTION FOOTWAYS TO BE CUT IN FLAGS SAVED FROM EXTG FOOTWAY. FLAGS TO BE ARRANGED AS SUCH AS TO AVOID SMALL CUT PIECES. CONCRETE INFILL ONLY TO BE USED WITH THE INSTRUCTION OF THE SITE ENGINEER
8. AT PEDESTRIAN CROSSING POINTS A KERB UPSTAND OF 6MM SHOULD BE INSTALLED REGARDLESS OF WHETHER OR NOT THE CHANNEL IS DRY.

NON-STANDARD IN LINE UNCONTROLLED PEDESTRIAN DROPPED CROSSING
MANCHESTER CITY COUNCIL STANDARD DETAIL
SCALE 1:50



PERMANENT HIGHWAY TRENCH REINSTATEMENT
BACKFILLING TO TRENCH - PIPES AND DUCTS
SCALE 1:20



TRANSITION DETAIL BETWEEN NEW AND EXTG HIGHWAYS
SCALE 1:20

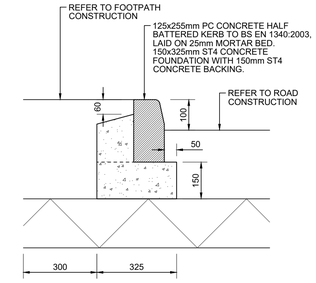
DESIGN CONTINGENCY

FOR COST PURPOSES THE CONTRACTOR IS TO INCLUDE THE FOLLOWING CONTINGENCY (% OF PRIMARY CIVILS DESIGN COST) AT THE RELEVANT PROJECT STATUS INDICATED ON THE DRAWING.

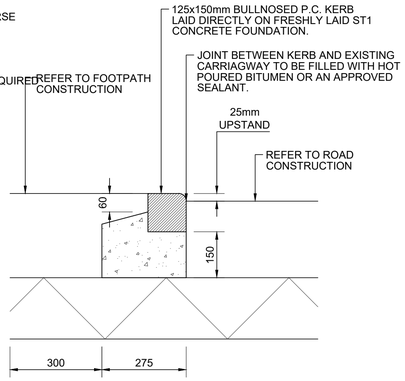
RIBA STAGE 2 - CONCEPT DESIGN - 25%
RIBA STAGE 3 - SPATIAL COORDINATION - 15%
RIBA STAGE 4 - TECHNICAL DESIGN - 10%
RIBA STAGE 5 - PRODUCTION INFORMATION - 5%

NOTE

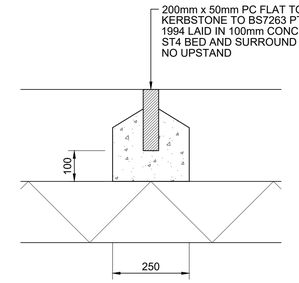
CONTRACTOR TO ALLOW FOR ALL THIRD PARTY COSTS ASSOCIATED WITH SECTION 38 APPROVAL PROCESS INCLUDING ROAD SAFETY AUDITS



FULL HEIGHT HALF BATTERED KERB
SCALE 1:10



BULLNOSED KERB
SCALE 1:10



STANDARD PIN KERB
SCALE 1:10

KERB NOTES:

1. CONCRETE EDGING AND BACKING SHALL BE TYPE ST1 TO CLAUSE 2602 TABLE 26/1
2. KERBS SHALL COMPLY WITH BS EN 1340
3. CEMENT SHALL BE ORDINARY PORTLAND CEMENT TO BS EN 197-1
4. JOINTS TO KERBS SHALL BE POINTED WITH CLASS (iii) MORTAR TO CLAUSE 2404
5. CUT LENGTHS OF KERB ARE TO BE CUT USING A DISC CUTTER MIN. LENGTH 450mm
6. IN THE CASE OF NEW CARRIAGEWAY CONSTRUCTION THE SUB BASE LAYER IS EXTENDED 300mm BEYOND THE BACK OF KERB FOUNDATION. THE CONTRACTOR SHALL ALLOW FOR FILLING IN BETWEEN THE ROAD SUB BASE AND THE FOOTWAY FORMATION WITH SUB BASE MATERIAL IN THE RATE FOR KERBING.
7. RECONSTRUCTION OF EXISTING CARRIAGEWAY CHANNELS WILL BE MEASURED SEPARATELY
8. KERBS LAID IN EXISTING CARRIAGEWAY FORMATION - RATE TO INCLUDE INFILL OF OVERBREAK IN FRONT OF KERB WITH CONCRETE TYPE ST1 TO BINDER COURSE FINISH LEVEL.
9. FOUNDATION DETAIL FOR TAPER KERBS WILL BE AS FOUNDATION FOR 125x150mm AND 125x255mm KERBS.
10. KERB UPSTAND FOR KERB TYPE K2 SHALL BE:
    (i) 0-6mm PEDESTRIAN & CYCLEWAY CROSSINGS
    (ii) 25mm FOR VEHICULAR CROSSINGS
11. KERB TYPE K5 - TOP OF EDGING LAID FLUSH WITH FOOTPATH WHERE USED ON A VEHICULAR CROSSING OR AS DETAILED ON THE DRAWING AND/OR IN THE B OF Q.
11. CLAUSES QUOTED REFER TO THE DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AMENDED AS APPROPRIATE
12. ALL DIMENSIONS IN MILLIMETRES

REV				
Rev	Description	Date	By	Chkd

Drawing Status
S4 - TECHNICAL DESIGN

Sutcliffe
Structural & Civil Engineering
Geotechnical & Environmental Investigations
Building Surveying
Pre Planning Services
Liverpool Head Office: 0151 227 3155
Manchester Office: 0161 817 5160
North Wales Office: 01978 664 671
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www.sutcliffe.co.uk

Client
MOSSCARE ST.VINCENTS HOUSING

Project
ALDERFORD PARADE
CHEETHAM HILL
MANCHESTER

Drawing Title
SECTION 38
CONSTRUCTION DETAILS

Date	Drawn By	Checked By
JAN '25	KW	DS

Scale at A1	Project Number	Status	Revision
AS SHOWN	33716	S4	P01

Sheet Number
33716-SUT-ZZ-XX-DR-C-6510