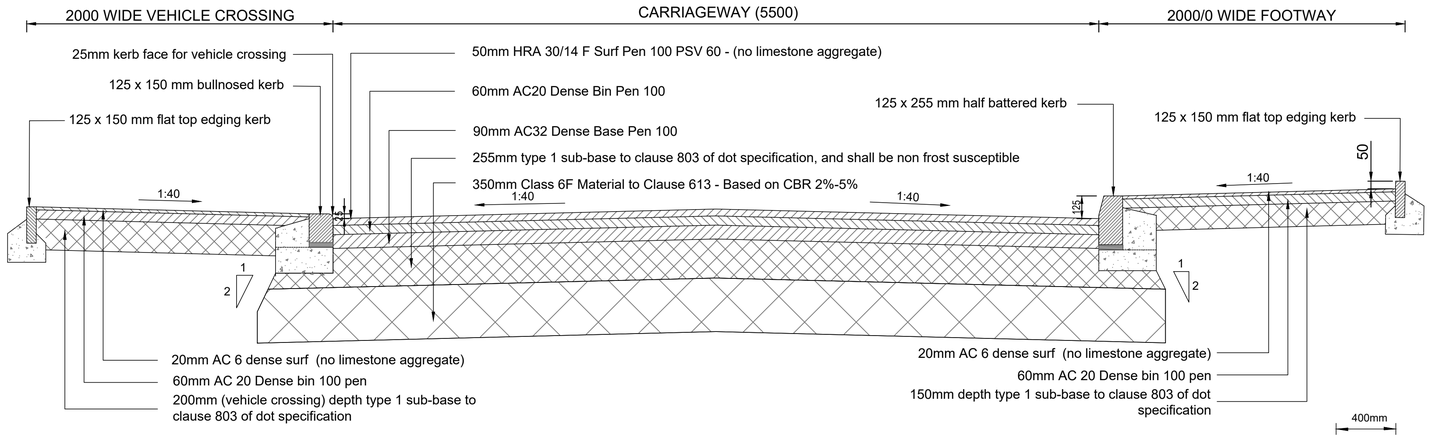
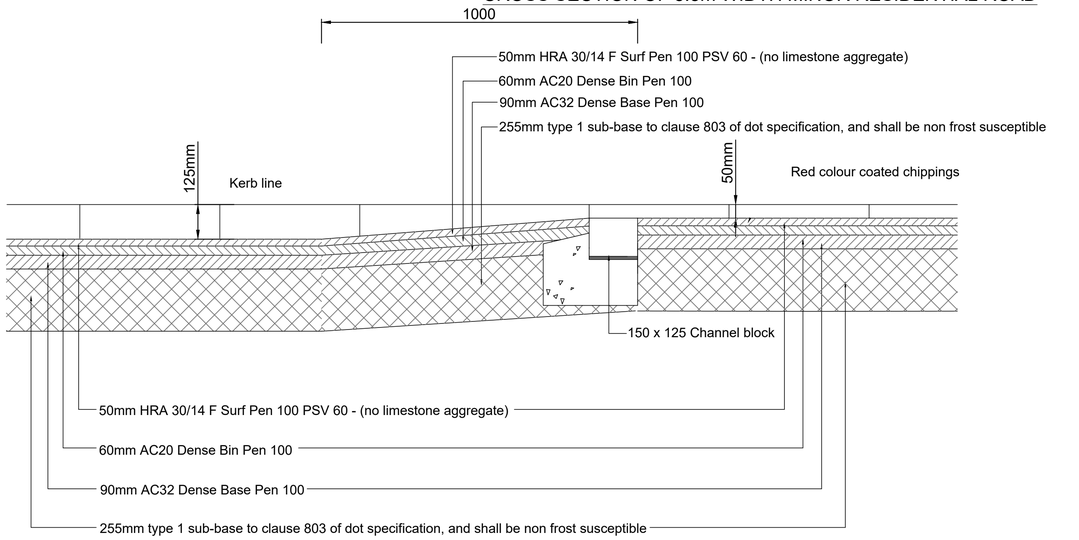
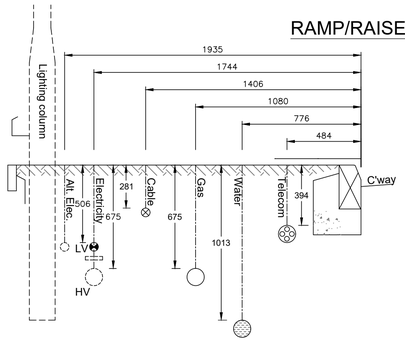


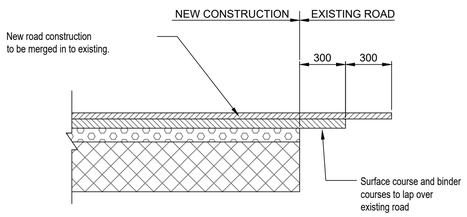
CROSS SECTION OF 5.5m WIDTH MINOR RESIDENTIAL ROAD



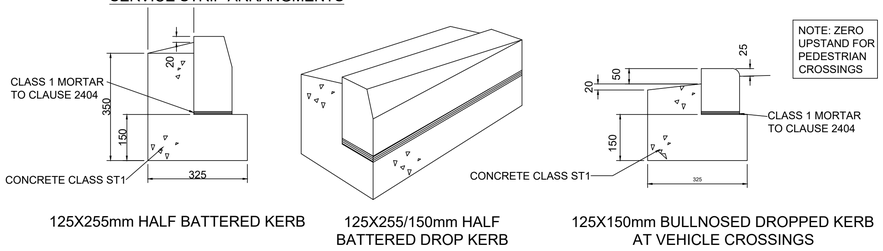
RAMP/RAISED TABLE DETAIL 1:10



CARRIAGEWAY MERGING DETAIL



SERVICE STRIP ARRANGMENTS

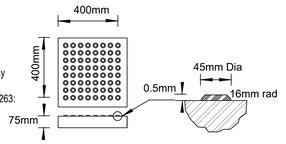


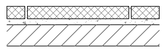
125X255mm HALF BATTERED KERB

125X255/150mm HALF BATTERED DROP KERB

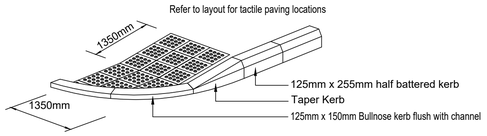
125X150mm BULLNOSED DROPPED KERB AT VEHICLE CROSSINGS

NOTES ON TACTILE PAVING:
1. All dimensions in mm
2. Materials - Tactile surface to be constructed from any material suitable for paving footway surfaces.
3. Tactile crossing flags to be in accordance with BS 7263: Part 1:1994

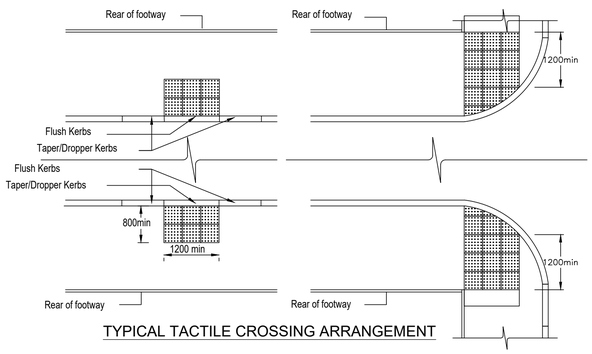




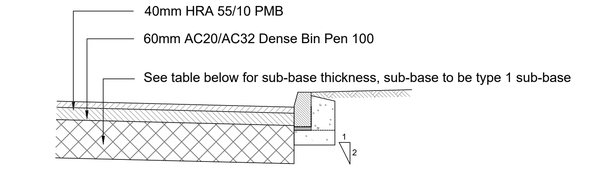
Surface Course
75mm thick concrete tactile paving slabs
Bedding Course
40mm thick mortar bed and joint 4:1 Sand/Cement (12 hr retarded)
Sub Base
100mm type 1 granular sub base material
Buff colour for uncontrolled crossing



TYPICAL TACTILE CROSSING DETAILS



TYPICAL TACTILE CROSSING ARRANGEMENT



Minimum Sub-base thickness:

California Bearing Ration (CBR) values	Minimum thickness (mm) of sub-base (Consolidated in accordance with MCHW Volume 1 clause 801, table 8/1).	
	Without Geotextile underneath	With Geotextile underneath
Less Than 2%	N/A	300
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	
7% - 20%	100	

TYPICAL SHARED DRIVE/CARPARK CONSTRUCTION DETAIL

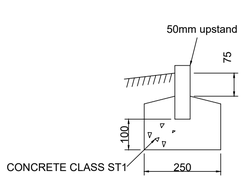
SUBGRADE CBR (%)	CAPPING LAYER mm	SUB-BASE mm	OVERALL THICKNESS mm	SUB -BASE AS CAPPING mm
2	600	150	750	N/A
2.5	400	150	550	350
3	370	150	520	310
4	310	150	460	270
5	250	150	400	230
8	220	150	370	200
10	190	150	340	180
15	150	150	300	150

Notes: The Table is based on Figure 3.1 of the Design Manual for Roads and Bridges - Volume 7 Section 2 - Part 2 and is for guidance purposes only. CBR tests will be required on top of the sub base layer and a minimum value of 30% must be achieved at each test location. Kerb face normally 125mm Gully Grate and Frame to be set 5-6mm below adjacent carriageway
Overbreak in excavation for gully to be backfilled with concrete garde ST4 All Concrete bed and backing to comply with BS:8500 and BE EN 206-1 Kerbs to be hydraulically pressed to BS 340
Street lighting shall be provided in accordance with Manchester City Council's requirements.
Formwork to be used for all vertical faces of concrete.

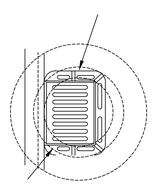
GENERAL NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
3. LIMESTONE AGGREGATE SHALL NOT BE UTILISED IN SURFACES COURSES
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. ALL ROAD OPENING NOTICES ETC. AS REQUIRED UNDER THE HIGHWAYS ACT ARE TO OBTAINED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE. ALL WORKS ARE TO BE INSPECTED BY MANCHESTER CITY COUNCIL CLERK OF WORKS

Heavy duty ductile iron gully grating and frame to be BS 479 1976 ref. Ga2 450 (EN 124 ref. D400) Single piece grating, anti- theft captive hinge, black bitumen coated. Minimum weight 31Kg bedded in accordance with specification in Part 5 HA 104/02

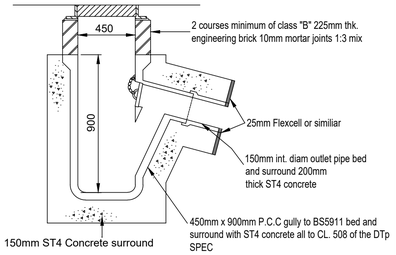


50X150mm FLAT TOP EDGING



Fillets to be filled and Pointed with Class 1 mortar

Hinged & lockable gully grate and frame type GA1. grade D400 to BSEN124, bed and haunched with a 1:3 cement to sharp sand mortar mix to a level of 6mm below frl. the thickness of the bed shall be 10-25mm, any adjustment shall be made by modifying the brickwork



GULLY DETAILS

P01	05.10.2023	STAGE 4 DRAWING PACKAGE ISSUE	JCM	JLS	JLS
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS: **PRELIMINARY**

CLIENT: CASEY

ARCHITECT: JOHN McCALLS

PROJECT: BENMORE DRIVE MANCHESTER

TITLE: SECTION 38 TYPICAL DETAILS

STATUS:	PROJECT No.	PROJECT	ORIGINATOR	VOL/SYS	LEVEL	TYPE	ROLE	DRAWING No.	REV:
S2	223-008	BEN -	AJP -	ZZ -	00 -	DR -	C -	1530	P01

SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:20	JCM	JCM	JLS	JLS	SEPT 2023

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