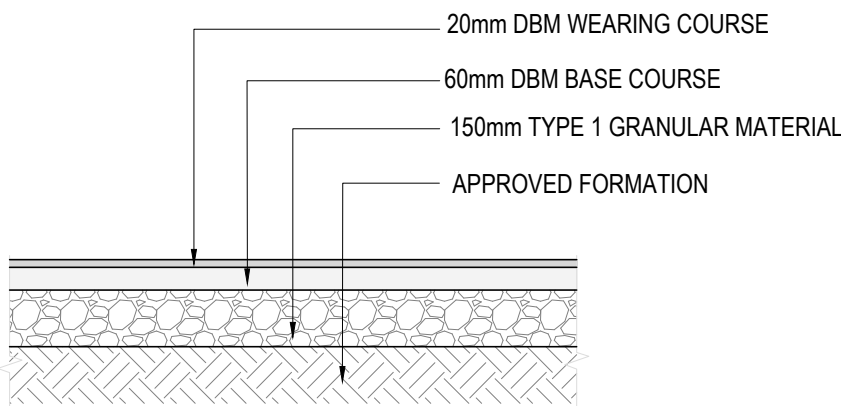
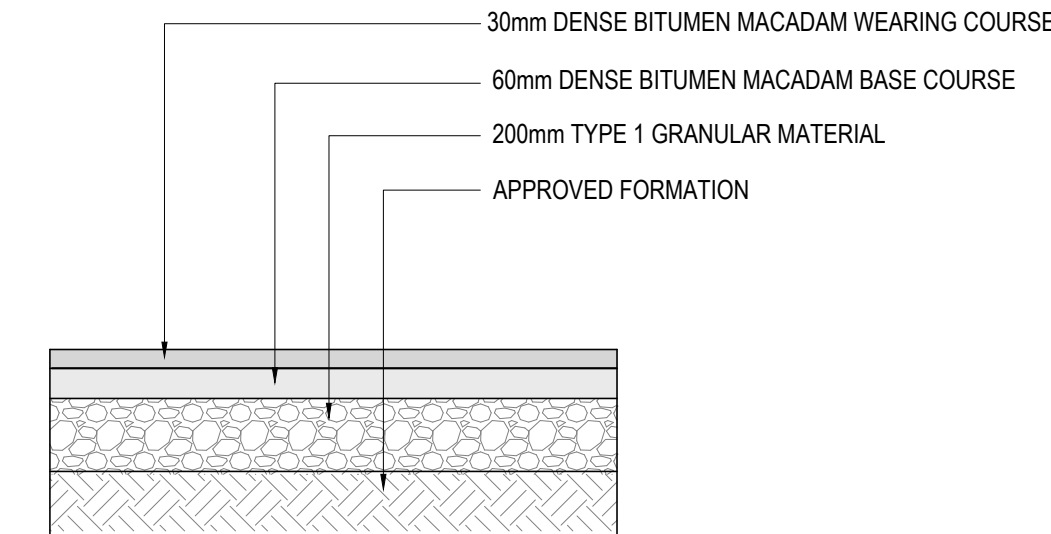




FOOTWAY DETAIL
SCALE - NTS

PAVEMENT REF F1: FOOTWAY CONSTRUCTION

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	911	DENSE MACADAM SURFACE COURSE AC 6 DENSE SURF	100/150 PEN	20mm	PD 6691 TABLE B.16 - MULTIPLE COLOUR SPECIFICATIONS REQUIRED
BINDER COURSE	1105	DENSE MACADAM BINDER COURSE AC 20 DENSE BIN	100/150 PEN	60mm	PD 6691 TABLE B.11
SUB-BASE	803	GRANULAR TYPE 1 SUB BASE		150mm	BASED ON A CBR VALUE OF 4%



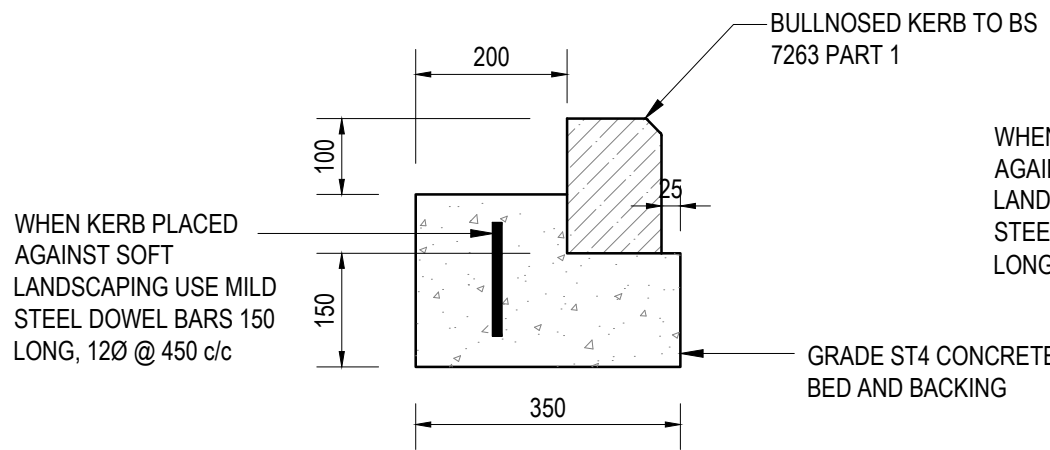
PARKING AREA DETAIL
SCALE - NTS

PAVEMENT REF C1: CARRIAGEWAY CONSTRUCTION

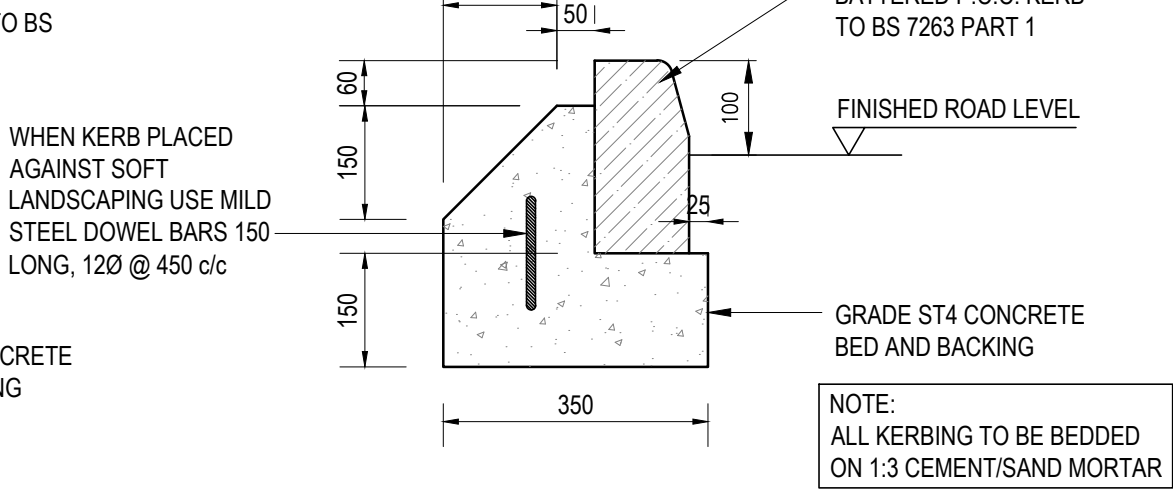
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	910	DENSE MACADAM (AC10 CLOSE SURF)	100/150 PEN	30mm	BS EN 13108, PD 6691
BINDER COURSE	906	DENSE MACADAM (AC 20 DENSE BIN)	100/150 PEN	60mm	BS EN 13108, PD 6691
SUB-BASE	803	GRANULAR TYPE 1 SUB BASE		200mm	BASED ON A CBR VALUE OF 4%

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

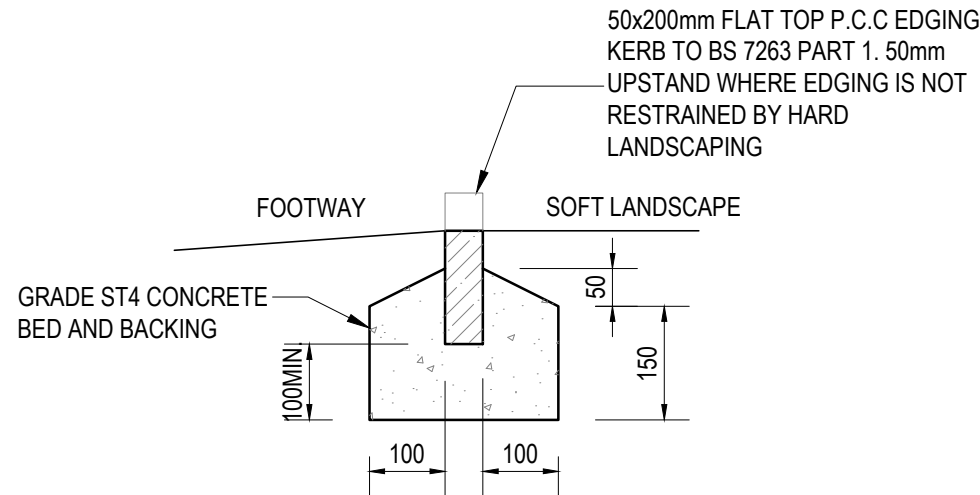
Notes: The Table is based on Figure 3.1 of the Design Manual for Roads and Bridges - Volume 7 Section 2 - Part 2 and is for guidance purposes only. CBR tests will be required on top of the sub base layer and a minimum value of 30% must be achieved at each test location. Kerb face normally 125mm Gully 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.



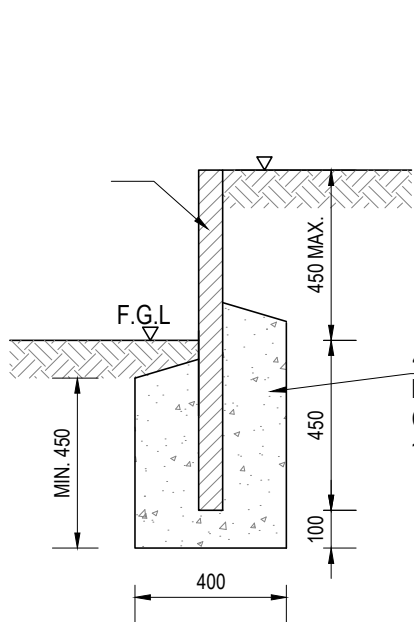
BULLNOSED DROPPED KERBING TYPE K2
SCALE 1:10



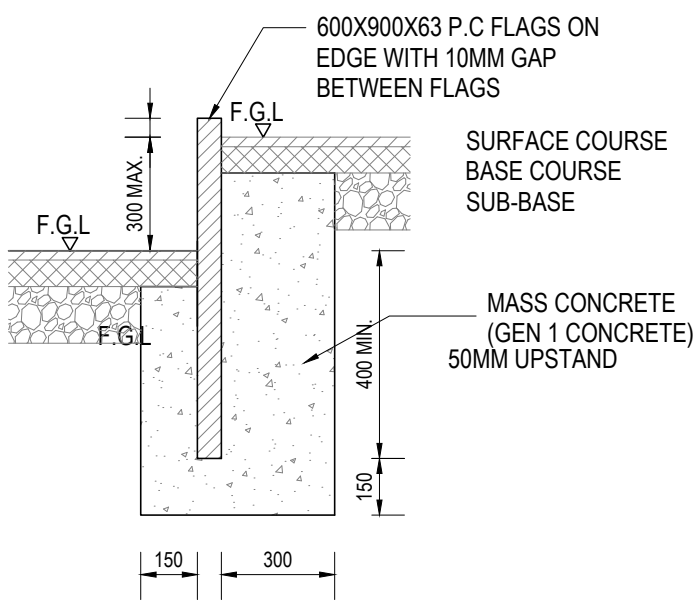
HALF BATTERED KERBING TYPE K1
SCALE 1:10



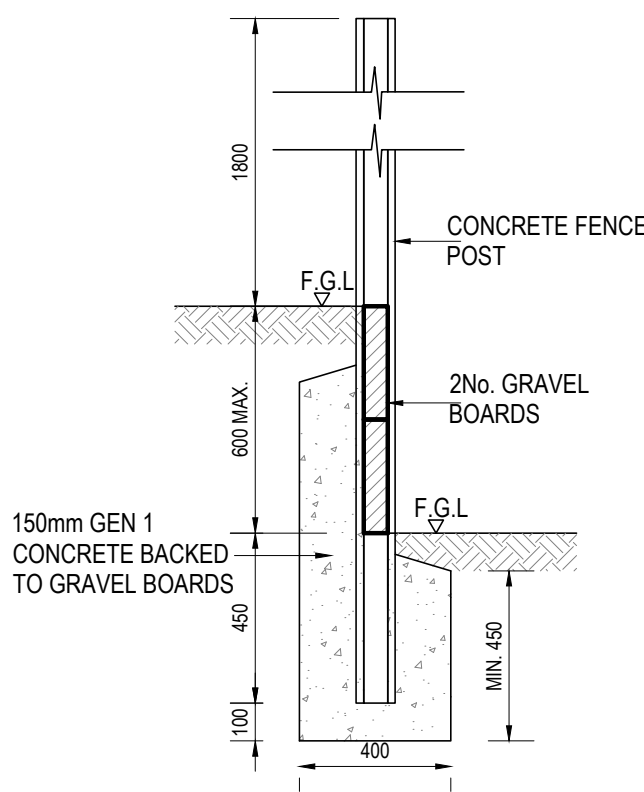
EDGING KERB
SCALE 1:10



TYPICAL FLAG ON EDGE
TO GARDEN



TYPICAL FLAG ON EDGE
TO DRIVE



TYPICAL CONCRETE
POST/GRAVEL BOARD FENCE

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
- PAVEMENT BUILD-UPS
- CBR VALUES AT FORMATION LEVEL AND SUB-FORMATION TO BE CONFIRMED BY INSITU TESTS CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS
- THE FORMATION WILL BE REDUCED READY FOR TESTING AND NOT ALTERED BY THE ADVANCE PREPARATION OF SUB-BASE MATERIAL. MEMBRANE PROTECTION IN ADVERSE WEATHER AND OR PUMPING MAY BE REQUIRED.
- THE SUPERVISOR WILL REQUIRE 48 HOURS NOTICE TO ATTEND THE SITE TO INSPECT THE REDUCED FORMATION.
- THE CONSTRUCTION OF THE CAPPING/SUB-BASE MATERIAL SHALL NOT BE COMMENCED UNTIL THE CBR TESTING HAS BEEN COMPLETED AND THE TEST RESULTS RECEIVED.
- BASE AND BINDER COURSE ARE TO BE TESTED (BY PRESCRIBED NON-DESTRUCTIVE MEANS) TO VERIFY 93% MINIMUM COMPACTION TO BE ACHIEVED. RESULTS TO BE SUBMITTED AND APPROVAL GIVEN BY THE WARRINGTON BOROUGH COUNCIL ENGINEER BEFORE FURTHER WORKS ARE PROGRESSED.
- ALL MATERIALS WITHIN 450mm OF FINISHED SURFACE SHALL BE NON-FROST SUSCEPTIBLE IN ACCORDANCE WITH CL 602.19 AND 801.7
- WHERE CAPPING IS REQUIRED THIS WILL BE PROVIDED IN COMPACTED LAYERS NOT EXCEEDING 150mm THICK. OVERALL CAPPING THICKNESS WILL BE DEPENDANT UPON CBR RESULTS.

C01	09.12.2024	CONSTRUCTION ISSUE	JPR	JCM	JCM
P01	11.12.2023	PRELIMINARY ISSUE	JPR	JCM	JCM
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:

CONSTRUCTION

CLIENT:

CASEY

ARCHITECT:

JOHN MCCALL ARCHITECTS

PROJECT:

QUEENS AVENUE P500
MANCHESTER

TITLE:

EXTERNAL WORKS DETAILS

STATUS:	PROJECT No:	PROJECT	ORIGINATOR	VOLU/SYS	LEVEL	TYPE	ROLE	DRAWING No:	REV:
S2	223-151	QAV - AJP	-ZZ	-00	-DR	-C	1420	C01	

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

AJP

consulting engineers

0151 227 1462 info@ajp ltd.co.uk 1 Dale Street, Liverpool, L2 2ET