PRELIMINARY SUBJECT TO S38 & S278 APPROVAL

GENERAL NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS
2. ALL PROPRIETARY BUILDING SYSTEMS i.e. LINTELS, P.C FLOORS, DECKING Etc. TO BE INSTALLED / ERECTED IN ACCORDANCE WITH MANUFACTURES SPECIFICATIONS / DETAILS CONTRACTOR TO REFER TO AGREEMENT CERTIFICATE SPECIFICATIONS / RECOMMENDATIONS
3. FOR ALL SETTING OUT REFER TO ARCHITECTS DRAWINGS
4. MORTAR BELOW AND ABOVE GROUND TO BE 1:1/2:4
5. CONCRETE STRENGTHS TO BE:

MASS CONCRETE TRENCH FILL	GRADE 30
MAX AGGREGATE	20mm
MINIMUM CEMENT	300 Kg/m^3
FREE WATER / CEMENT	0.60

NOTE - CONCRETE DESIGN MIXES ARE TO RESIST CLASS DS1 / AC1 COVER TO REINFORCEMENT TO BE 40mm.

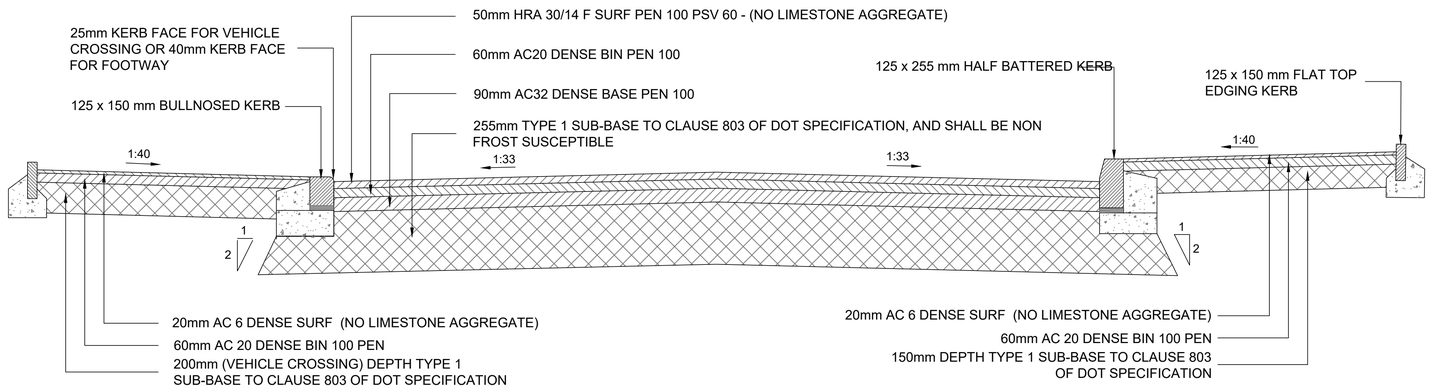
6. SUPERSTRUCTURE DESIGN DETAIL AND SPECIFICATION TO BE IN ACCORDANCE WITH SPECIALIST DRAWINGS AND SPECIFICATIONS
7. ALL FOUNDATIONS ARE TO BE TAKEN DOWN ONTO STIFF CLAY WITH BEARING CAPACITY OF 100 KN per Sq M ALL FOUNDATIONS ARE TO BE TO APPROVAL OF LOCAL AUTHORITY BUILDING INSPECTOR AND AJP CONTRACTOR IS TO MAKE REFERENCE TO ESP SITE INVESTIGATION REPORT FOR SITE GROUND CONDITIONS, STRATA LEVELS AND CONTAMINATION RECOMMENDATIONS AND REQUIREMENTS
8. ALL DPM's & DPC's AND WATERPROOFING/ WEATHERING DETAILS TO BE IN ACCORDANCE WITH ARCHITECTS AND SPECIALISTS DETAILS.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND SERVICES THAT MAY EXIST AND TO DIVERT THEM IF NECESSARY PRIOR TO COMMENCEMENT OF THE WORKS.
10. ALL STRUCTURAL WORKS TO BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE DETAILS GIVEN BY THE ALAN JOHNSTON PARTNERSHIP. THE ENGINEER IS TO BE ADVISED OF ANY SIGNIFICANT VARIATIONS PRIOR TO IMPLEMENTATION.
11. NO PAVING UNITS TO BE CUT TO LESS THAN ONE THIRD OF THEIR ORIGINAL SIZE OR LENGTH

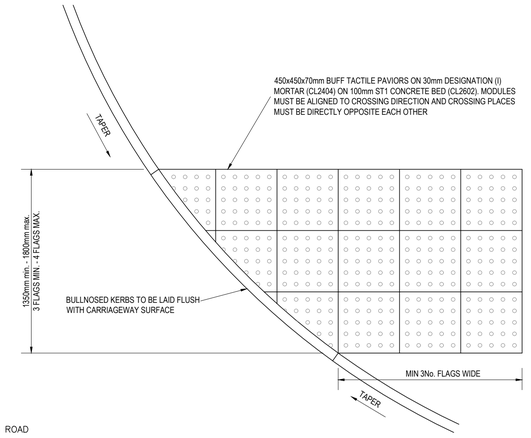
ALL WORKS TO BE IN ACCORDANCE WITH MANCHESTER COUNCIL STANDARD DETAILS AND AS AGREED WITH THE COUNCIL APPOINTED REPRESENTATIVE

ALL DRAINAGE IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH UNITED UTILITIES PLC 'A DEVELOPERS GUIDE TO WASTEWATER ADOPTIONS' AND 'SEWERS FOR ADOPTION 6TH EDITION'

ALL ADOPTABLE MAIN DRAINAGE IS TO BE SUBJECT TO A SECTION 104 AGREEMENT BETWEEN THE DEVELOPER AND UNITED UTILITIES

CROSS SECTION OF 5.0m WIDTH MINOR RESIDENTIAL ROAD





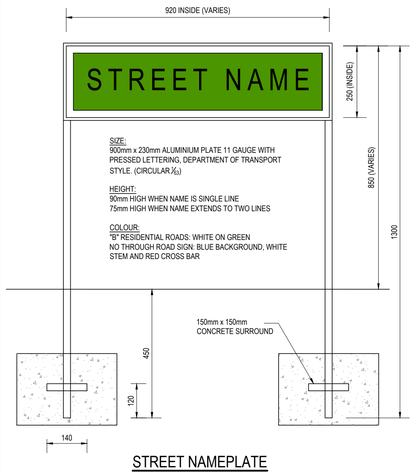
FOOTPATH CROSSING DETAIL

(REQUIRED BOTH SIDES OF JUNCTION)

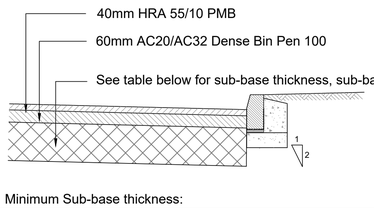
CAPPING LAYER SUBJECT TO CBR TESTING

CBR Value Mpa/%	Sub base on Capping: Capping Layer 6F2/6F5 (Cls 613) mm	Sub base on Capping: Unbound Sub base Type 1 (Cls 803) mm	Total Thickness mm	Sub base only: Unbound Sub base Type 1 (Cls 803) mm
30/2.5	420	250	670	420
35/3	380	230	610	360
40/4	340	220	560	330
50/5	250	200	450	270
55/6	240	180	420	260
60/7	230	170	400	250
65/8	220	160	380	240
70/9	210	150	360	230
75/10	200	150	350	220
80/11	190	150	340	220
85/12	180	150	330	220
90/13	170	150	320	210
95/14	160	150	310	210
100/15	150	150	300	200
-/15+	150	150	300	200

CBR NOTES
CBR% VALUES OF LESS THAN 2.5% THE DEVELOPER NEEDS TO PROPOSE REMEDIAL ACTIONS
MINIMUM DEPTH OF CARRIAGEWAY CONSTRUCTION SHOULD BE 450mm FOR FROST PROTECTION



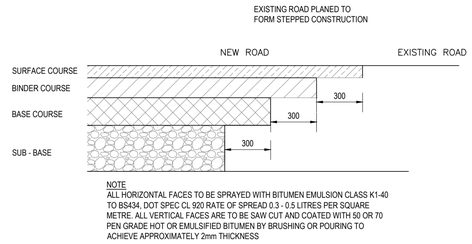
STREET NAMEPLATE



Minimum Sub-base thickness:

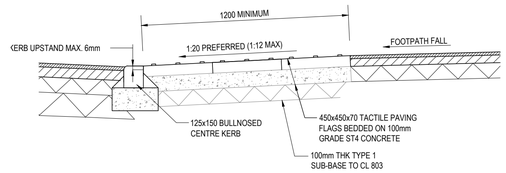
California Bearing Ration (CBR) values	Minimum thickness (mm) of sub-base (Consolidated in accordance with MCHW Volume 1 clause 801, table 8/1).	
	Without Geotextile underneath	With Geotextile underneath
Less Than 2%	N/A	300
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	
7% - 20%	100	

TYPICAL SHARED DRIVE/CARPARK CONSTRUCTION DETAIL

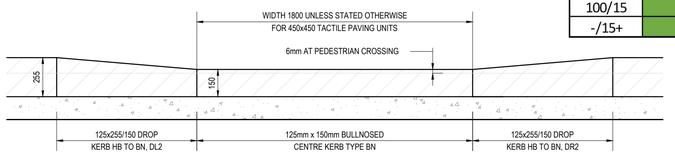


TIE-IN TO EXISTING ROAD

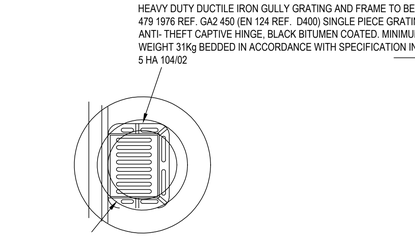
(SCALE 1:20)

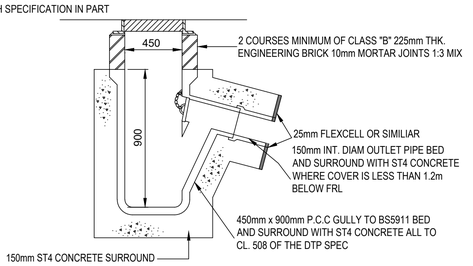


STANDARD IN-LINE UNCONTROLLED PEDESTRIAN DROPPED CROSSING

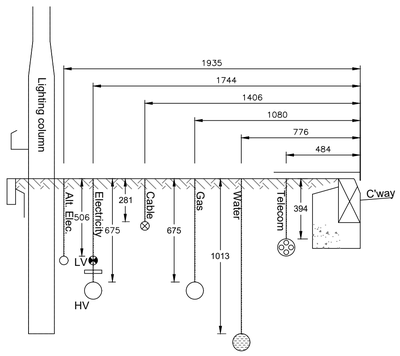


STANDARD IN-LINE UNCONTROLLED PEDESTRIAN DROPPED CROSSING - ELEVATION

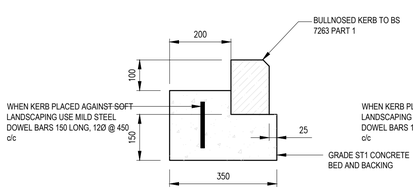




GULLY DETAILS

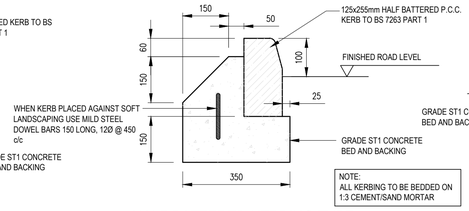


SERVICE STRIP ARRANGMENTS



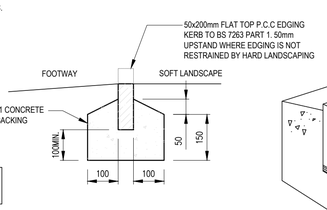
BULLLNOSED DROPPED KERBING TYPE K2

SCALE 1:10



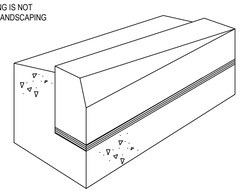
HALF BATTERED KERBING TYPE K1

SCALE 1:10

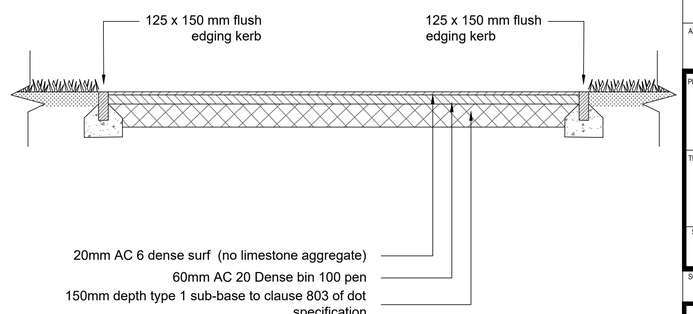


EDGING KERB

SCALE 1:10



125X255/150mm HALF BATTERED DROP KERB



FOOTWAY DETAIL

REV	DATE	DESCRIPTION	BY	CHK	APP
P01	05.12.2024	PRELIMINARY ISSUE	JPR	JCM	JCM

DRAWING STATUS: **PRELIMINARY**

CLIENT: CASEY

ARCHITECT: JOHN MCCALL ARCHITECTS

PROJECT: QUEENS AVENUE P500 MANCHESTER

TITLE: S38-S278 HIGHWAY DETAILS

STATUS:	PROJECT No.	PROJECT	ORIGINATOR	VOL/SYS	LEVEL	TYPE	ROLE	DRAWING No.	REV:
S2	224-165	RPM-	AJP -	XX -	00 -	DR -		**C - 1630**	**P01**

SCALE @ A0:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:20	JPR	JPR	JCM	JCM	DEC 2024

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