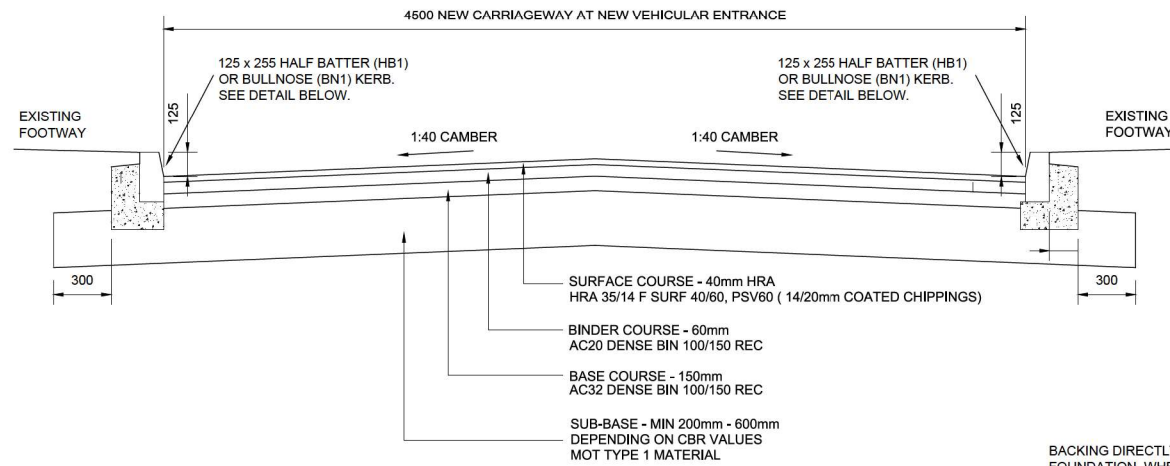


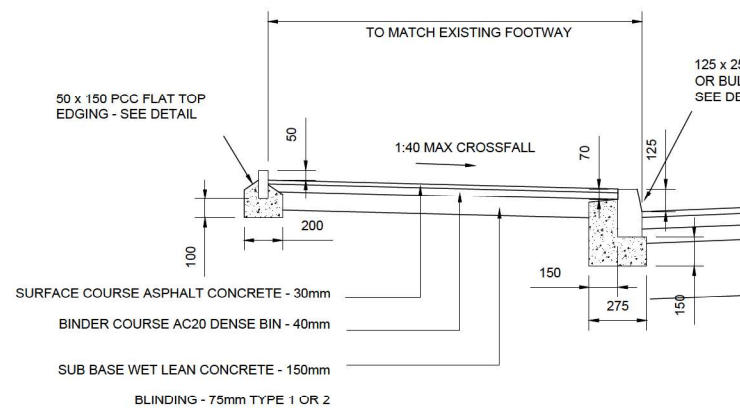
APPROVED
By Colin Cromar at 12:06 pm, Jun 20, 2023

NOTES

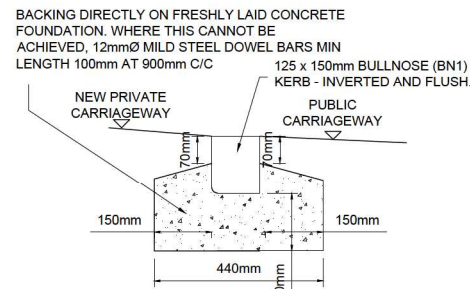
- ALL DIMENSIONS ARE IN MILLIMETRES
- ALL DETAILS TO BE AS PER MCC HIGHWAYS TYPICAL DETAILS
- ALL KERBING AND PAVEMENT THICKNESSES TO BE AS SET OUT ON S278 PLAN 12851-102, AND AS AGREED WITH MCC HIGHWAYS DEPARTMENT.
- TACTILE PAVING FLAGS TO BE LAID IN ACCORDANCE WITH DETR PUBLICATION 'GUIDANCE ON THE USE OF TACTILE PAVING SURFACES'
- DROP KERBS ON CROSSING TO ALIGN WITH CROSSING ON OPPOSITE SIDE OF ROAD. BLISTERS ON TACTILE PAVING MUST ALIGN WITH BLISTERS ON PAVERS ON OPPOSITE SIDE OF ROAD.
- FOR NON-STANDARD UNCONTROLLED DROP CROSSINGS WHERE TACTILES ARE NOT DIRECTLY OPPOSITE EACH OTHER A MINIMUM OF 2 No. FULL PAVERS (800MM) ARE TO BE LAID TO THE REAR OF THE KERB AT THE MOST NARROW POINT OF THE TACTILE CROSSING.
- CONCRETE TO COMPLY WITH BS EN206-1/BS 8500
- ALL PRECAST CONCRETE KERBS & QUADRANTS SHALL BE TO DOT SPEC. CLAUSE 1101 & BS7263, IN PRESSED CONCRETE WITH HARDSTONE AGGREGATE
- MIN KERB LENGTH TO BE 450mm
- CBR TESTS TO BE CARRIED OUT WHERE NEW HIGHWAY WORKS ARE PROPOSED TO DETERMINE SUITABLE SUB BASE/ CAPPING, AS PER THE FEATURED TABLE, AND AS AGREED WITH MCC HIGHWAYS ENGINEER.



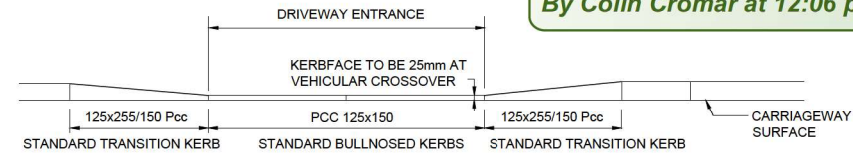
SECTION THROUGH NEW SITE ENTRANCE



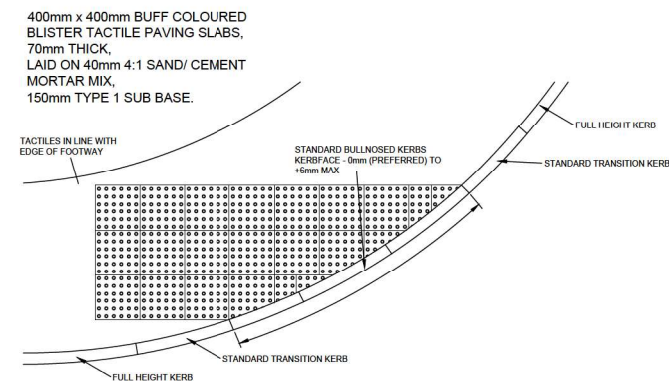
SECTION THROUGH FOOTWAY



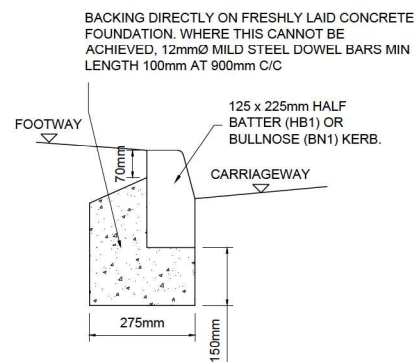
PUBLIC/ PRIVATE HIGHWAY DELINEATION DETAIL.



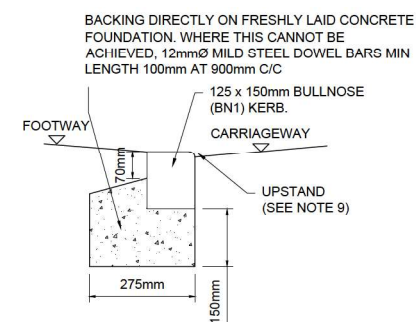
SECTION THROUGH VEHICULAR CROSSOVER/ DRIVEWAY ENTRANCE



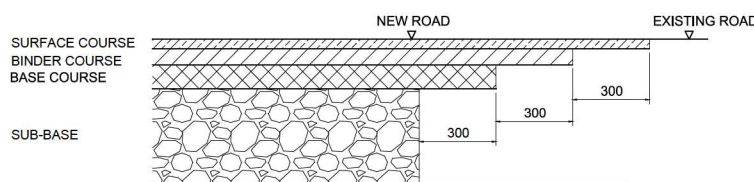
TYPICAL PEDESTRIAN CROSSING POINTS



FK - FULL HEIGHT KERB



DK - DROPPED KERB



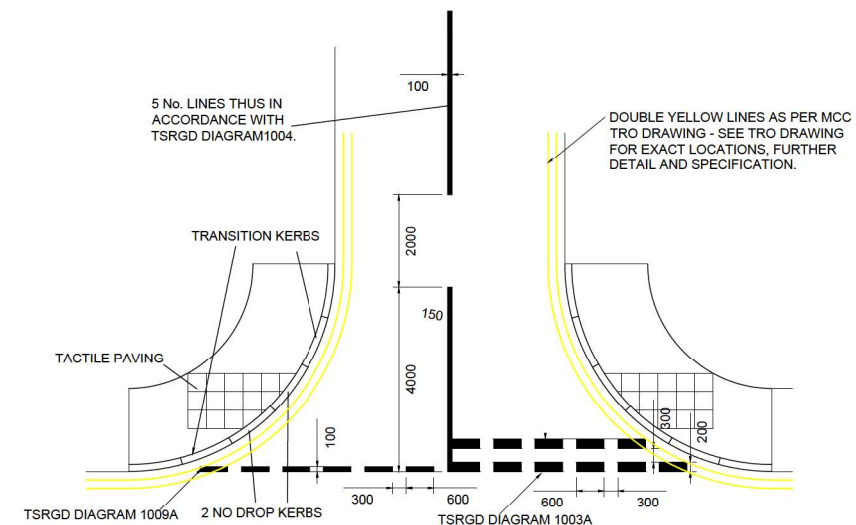
SECTION THROUGH TIE IN TO EXISTING ROAD

NOTE
ALL HORIZONTAL FACES TO BE SPRAYED WITH BITUMEN EMULSION CLASS K1-40 TO BS434, DOT SPEC CL 920 RATE OF SPREAD 0.3 - 0.5 LITRES PER SQUARE METRE. ALL VERTICAL FACES ARE TO BE SAW CUT AND COATED WITH 50 OR 70 PEN GRADE HOT OR EMULSIFIED BITUMEN BY BRUSHING OR POURING TO ACHIEVE APPROXIMATELY 2mm THICKNESS

EG - FOOTWAY EDGING

KERBING NOTES:

- CONCRETE BEDDING AND BACKING SHALL BE TYPE ST1 TO CLAUSE 2602 TABLE 26/1
- KERBS SHALL COMPLY WITH BS EN 1340:2003
- CEMENT SHALL BE ORDINARY PORTLAND CEMENT TO BE EN 197-1
- JOINTS TO KERBS SHALL BE POINTED WITH CLASS (iii) MORTAR TO CLAUSE 2404
- CUT LENGTHS OF KERB ARE TO BE CUT USING A DISC CUTTER MIN. LENGTH 450mm
- IN CASE OF THE NEW CARRIAGEWAY CONSTRUCTION THE SUB BASE LAYER IS EXTENDED 300mm BEYOND THE BACK OF THE KERB FOUNDATION THE CONTRACTOR SHALL ALLOW FOR FILLING IN BETWEEN THE ROAD AND SUB BASE AND THE FOOTWAY FORMATION WITH SUB BASE MATERIAL IN THE RATE FOR KERBING
- RECONSTRUCTION OF EXISTING CARRIAGEWAY CHANNEL MEASURED SEPERATELY
- KERBS LAID IN EXISTING CARRIAGEWAY FORMATION - INFILL OF OVERBREAK IN FRONT OF KERBS WITH CONCRETE TYPE ST2 TO BINDER COURSE FINISH LEVEL AND RESURFACE CHANNEL STRIP 300mm WIDE AS REQUIRED
- DROPPED KERB UPSTAND TO BE MAX. 6mm FOR PEDESTRIAN CROSSING AND 25mm MAX. FOR VEHICULAR CROSSING



CROSSING DETAIL / HIGHWAY MARKINGS

SUBGRADE CBR (%)		SUBGRADE CBR (%)		
SUBGRADE CBR (%)	SUB-BASE (mm)	SUBGRADE CBR (%)	SUB-BASE (mm)	CAPPING (mm)
15 OR MORE	200	15 OR MORE	150	150
14	210	14	160	160
13	220	13	160	160
12	230	12	170	170
11	240	11	170	170
10	250	10	180	180
9	260	9	190	180
8	270	8	200	190
7	290	7	210	200
6	310	6	230	210
5	330	5	240	210
4	370	4	270	230
3	420	3	320	240
2 OR LESS	SEE NOTE 1 BELOW	2 OR LESS	SEE NOTE 1 BELOW	

NOTE 1: FOR CBR VALUES OF 2% OR LESS THE CONSTRUCTION SHALL BE: 150mm TYPE 1 SUB BASE ON 600mm CAPPING (6F1) ON GEOTEXTILE TENSAR TRIAX TX160/TX-G160 (OR EQUIVALENT).

NOTE 2: ALL MATERIAL WITHIN 450mm FROM FINISHED FLOOR LEVELS SHALL BE NON-FROST SUSCEPTIBLE.

REV.	DATE	DESCRIPTION
E	05/04/23	AMENDED TO HIGHWAYS COMMENTS
D	22/03/23	AMENDED TO HIGHWAYS COMMENTS
C	26/01/23	AMENDED TO HIGHWAYS COMMENTS
B	16/12/22	AMENDED TO HIGHWAYS COMMENTS
A	25/05/22	AMENDED TO HIGHWAYS COMMENTS
-	01/05/22	INITIAL ISSUE FOR HIGHWAYS APPROVAL

CLIENT
GREAT PLACES HOUSING GROUP
BOWKER SADLER ARCHITECTURE

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TITLE
CHAIN ROAD
BLACKLEY, MANCHESTER
S278 DRAWINGS
CONSTRUCTION DETAILS 1

Drawn	M.HOLE	Checked	A.MULLIGAN
Date	MAY 2022	Date	MAY 2022

Scale 1:100

Drawing No. 21-B-12851-104 E