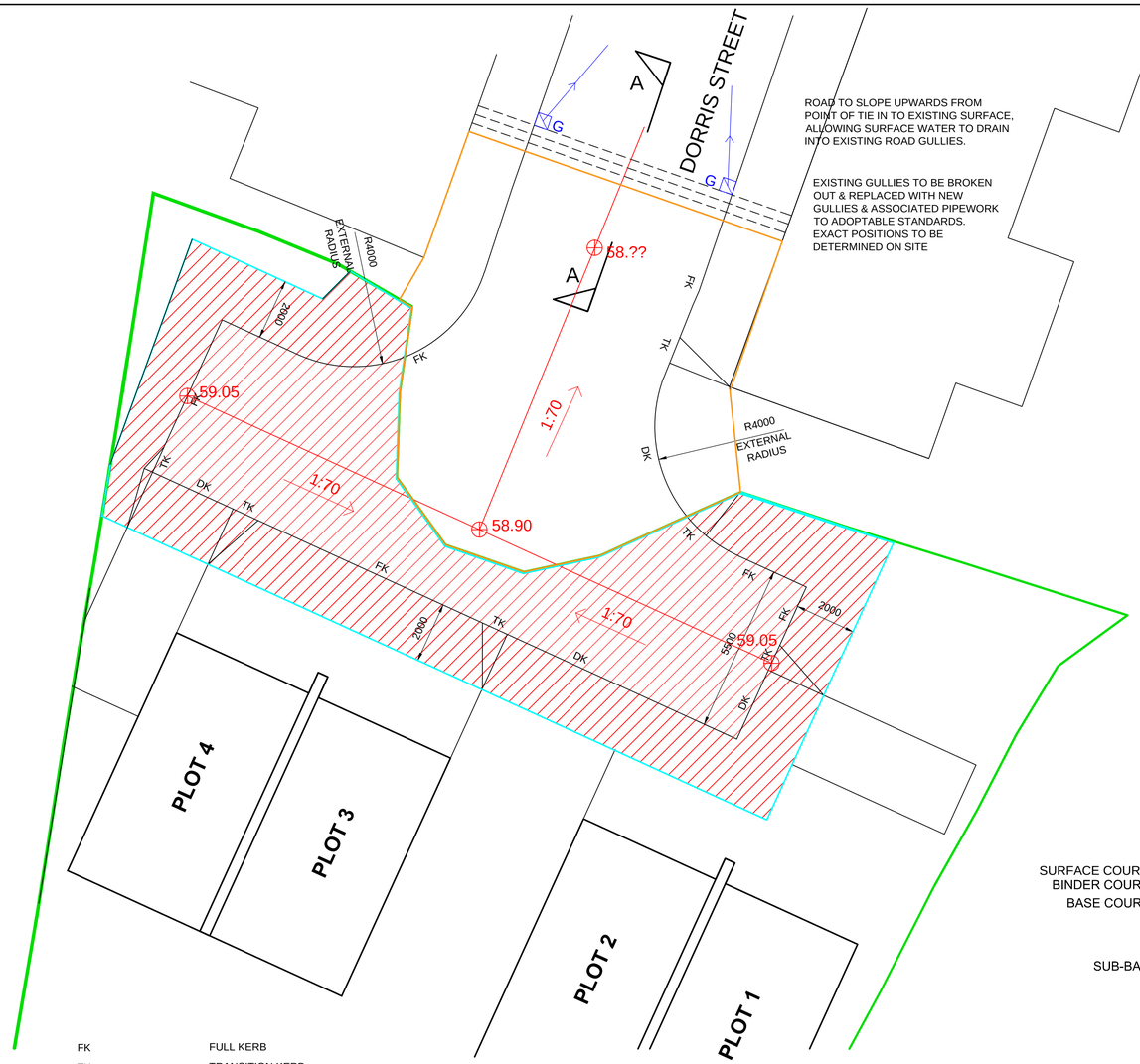
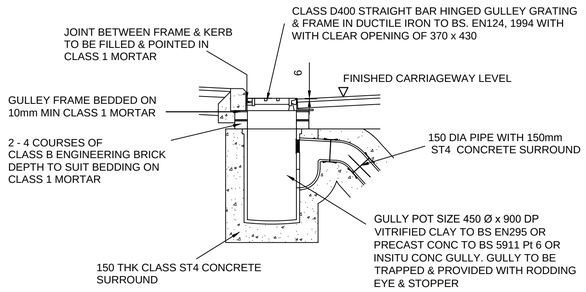
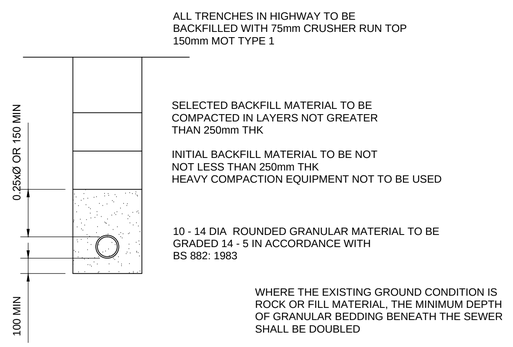
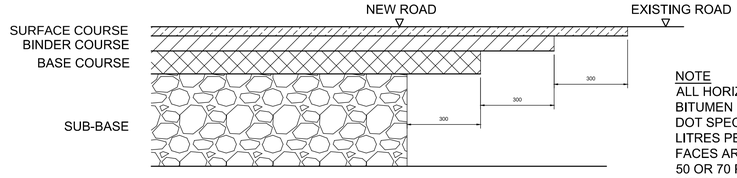




ROAD GULLEY DETAIL

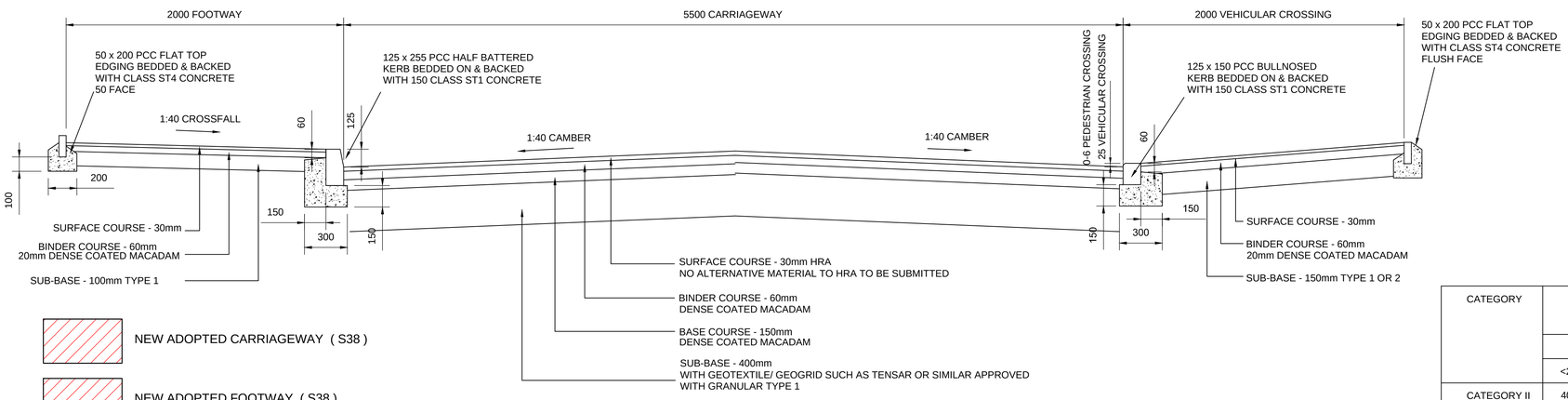


GRANULAR BED & SURROUND



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

SECTION XX - TIE IN TO EXISTING ROAD



TYPICAL CROSS SECTION THROUGH NEW ROAD

CATEGORY	MINIMUM COMPACTED SUB-BASE THICKNESS mm				
	DESIGN CBR				
	<2%	3%	4%	5%	>6%
CATEGORY II	400	350	250	150	150

CBR VALUES BELOW 2% REQUIRE GEOTEXTILE MATERIAL AT FORMATION LEVEL WITH A SUB-BASE 0F 400mm BUILT UP ON TOP, WITH ROAD CONSTRUCTION TO FOLLOW

LAYER THICKNESS CHART

HIGHWAY CONSTRUCTION NOTES

1. THE PROPOSED HIGHWAY GRADIENT OF 1:125 IS SHALLOW. THE SURFACING CONTRACTOR MUST ENSURE ADEQUATE LEVEL & LAYING CONTROL TO ENSURE THAT NO PONDING OCCURS. THE ADOPTING AUTHORITY (MANCHESTER CC) HAS INDICATED THAT PARTIAL OR TOTAL RE-LAYING WILL BE REQUIRED IN THE EVENT OF PONDING.

2. CBR TESTS TO BE CARRIED OUT ON HIGHWAY CENTRE-LINE AT 10m INTERVALS AT FORMATION LEVEL TO DETERMINE SUB-BASE THICKNESS.

3. AT TIE-INS BETWEEN NEW & EXISTING CARRIAGEWAYS, ALL DAMAGED KERBS TO BE LOCALLY REPLACED & FOOTWAY TO BE LOCALLY RE-SURFACED WITH BASE COURSE TO MANCHESTER CC HIGHWAY SPECIFICATION. AREAS TO BE AGREED ON SITE.

4. STREET LIGHTING - TO BE DESIGNED BY MANCHESTER CC OR A THIRD PARTY TO A DESIGN FOR APPROVAL BY MANCHESTER CC HIGHWAYS.

5. ALL PRIVATE DRIVES, PARKING BAYS, CAR PARKS TO BE POSITIVELY DRAINED & LAID TO FALLS TO DISCHARGE SURFACE WATER AWAY FROM THE ADOPTED HIGHWAY.

CARRIAGEWAY SPECIFICATION

SURFACE COURSE TO BE 30mm THK 0/10mm DENSE GRADED COATED MACADAM EXCLUDING LIMESTONE TO CLAUSE 7.4, BS 4987

BINDER COURSE TO BE 60mm THK 0/20mm DENSE GRADED COATED MACADAM TO CLAUSE 6.5, BS 4987

BASE COURSE TO BE 150mm THK 0/32mm DENSE GRADED COATED MACADAM TO CLAUSE 5.2, BS 4987-1:2005

FOOTWAY SPECIFICATION

SURFACE COURSE TO BE 30mm THK 0/6mm DENSE GRADED COATED MACADAM EXCLUDING LIMESTONE TO CLAUSE 7.5, BS 4987. HARDSTONE AGGREGATE

BINDER COURSE TO BE 60mm THK 0/20mm DENSE GRADED COATED MACADAM TO CLAUSE 6.5, BS 4987

REV.	DATE	DESCRIPTION
G	JUNE'21	EDGE REVISED TO MCC REQUIREMENTS DROP KERD TO No.4 REVISED
F	JUN '21	AREA OUTSIDE OF ADOPTION OMITTED
E	MAY '21	REVISED TO MCC REQUIREMENTS
D	APR '21	REVISED TO MCC REQUIREMENTS
C	APR '21	REVISED TO MCC REQUIREMENTS
B	APR '21	REVISED TO MCC REQUIREMENTS
A	OCT '20	KERBS REVISED & EXG GULLIES SHOWN

CLIENT

ONE MANCHESTER

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TITLE

NEW DEVELOPMENT
DORRIS STREET
MANCHESTER

S38 DRAWING

Drawn	M.HOLE	Checked	
Date	MAY 2019	Date	
Scale	1:100		
Drawing No.	19.B.12277/10		G