

1. 25mm CONSOLIDATED THICKNESS DENSE GRADED MACADAM WEARING COURSE, 6mm NOMINAL AGGREGATE SIZE, 200 PEN BITUMEN. (B.S. 4987 PART 1, EN 13108, PART 1)

2. 60mm CONSOLIDATED THICKNESS DENSE MACADAM BASE COURSE, 20mm NOMINAL AGGREGATE SIZE, 100 PEN BITUMEN. (BS 4987 PART 1, EN 13108, PART 1). (CLAUSE 906)

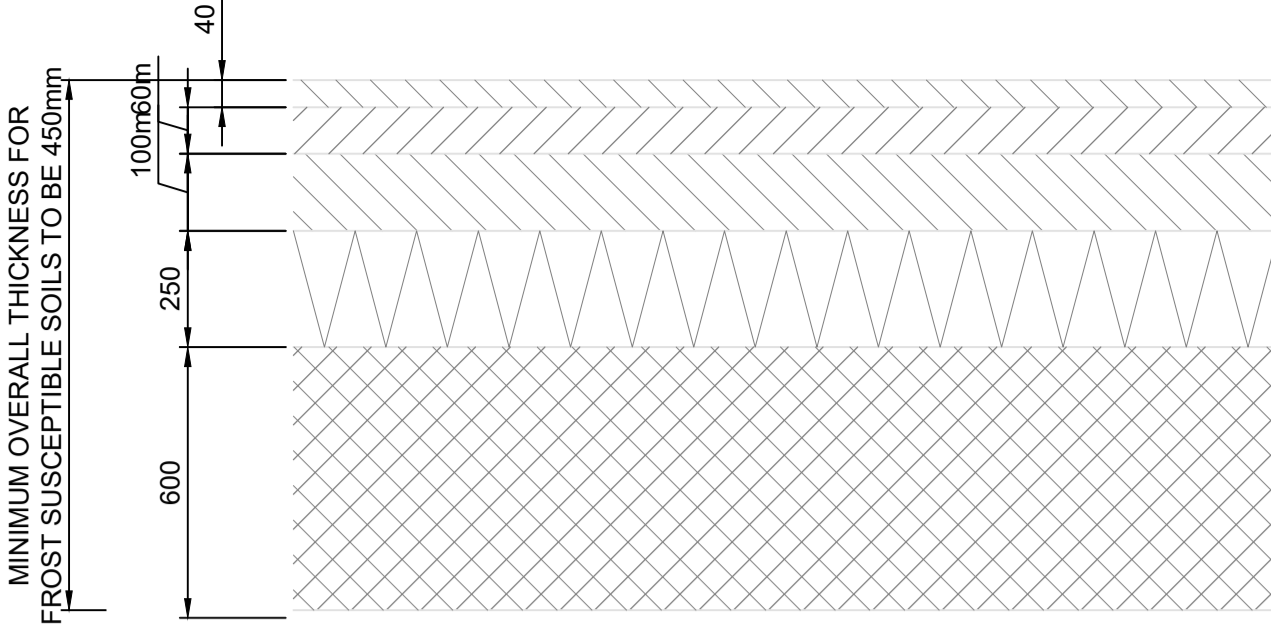
3. 150mm CONSOLIDATED THICKNESS GRANULAR SUB BASE TYPE 1 TABLE 8/2 AND CLAUSE 803 (SPEC. FOR HIGHWAY WORKS)

1. 25mm CONSOLIDATED THICKNESS DENSE GRADED MACADAM WEARING COURSE, 6mm NOMINAL AGGREGATE SIZE, 200 PEN BITUMEN. (B.S. 4987 PART 1, EN 13108, PART 1)

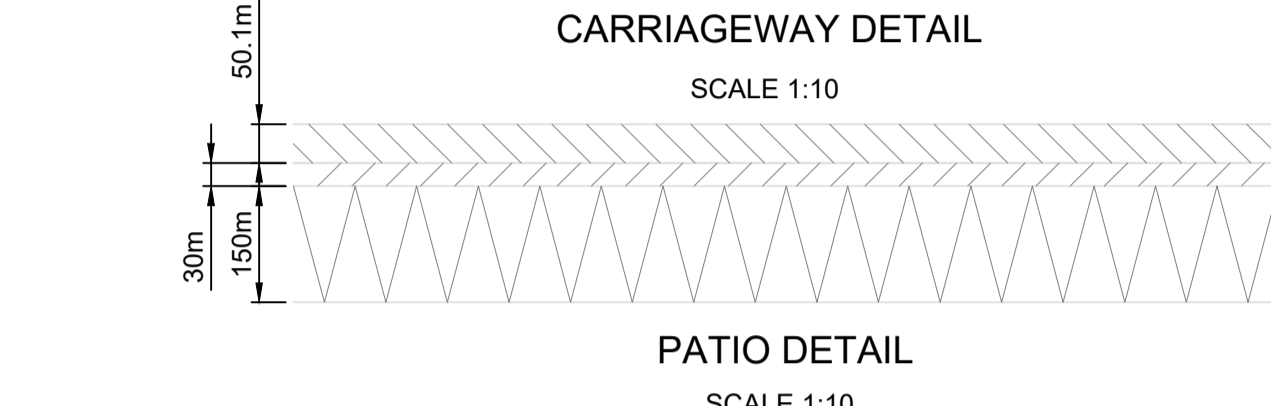
2. 60mm CONSOLIDATED THICKNESS DENSE MACADAM BASE COURSE, 20mm NOMINAL AGGREGATE SIZE, 100 PEN BITUMEN. (BS 4987 PART 1, EN 13108, PART 1). (CLAUSE 906)

3. 100mm CONSOLIDATED THICKNESS DENSE MACADAM ROADBASE, 28mm NOMINAL AGGREGATE SIZE, 100 PEN BITUMEN. (BS 4987 PART 1, EN 13108, PART 1). (CLAUSE 903)

4. 270mm CONSOLIDATED THICKNESS GRANULAR SUB BASE (185mm THICKNESS ON NON FROST SUSCEPTIBLE SOILS) TYPE 1 TABLE 8/2 AND CLAUSE 803 (SPEC. FOR HIGHWAY WORKS)



CBR VALUE	BELOW 2%	2% - 5%	ABOVE 5% SUB
BASE	250mm	250mm	250mm
CAPPING LAYER	600mm	350mm	0mm



1. 50mm CONCRETE PAVING SLABS (COLOUR TBC)

2. 50mm SHARP SAND COMPRESSED TO 30mm CONSOLIDATED THICKNESS

3. 150mm CONSOLIDATED THICKNESS GRANULAR SUB BASE TYPE 1 TABLE 8/2 AND CLAUSE 803 (SPEC. FOR HIGHWAY WORKS)

1. 40mm CONSOLIDATED 14mm AGGREGATE CLOSE GRADED WEARING COURSE B.S.4987 PART 1 (200 PEN BITUMEN) EN 13108, PART 1 (CLAUSE 912).

2. 60mm CONSOLIDATED 20mm AGGREGATE DENSE BASE COURSE B.S.4987 PART 1 (100 PEN BITUMEN) (CLAUSE 906), EN 13108, PART 1.

3. 100mm 28mm AGGREGATE DENSE ROAD BASE B.S.4987 PART 1 (100 PEN BITUMEN) (CLAUSE 903) EN 13108, PART 1.

4. CONSOLIDATED THICKNESS GRANULAR SUB BASE TYPE 1 TABLE 8/2 AND CLAUSE 803 (SPEC. FOR HIGHWAY WORKS) ASSUMED WORST CASE - 250mm DEPTH

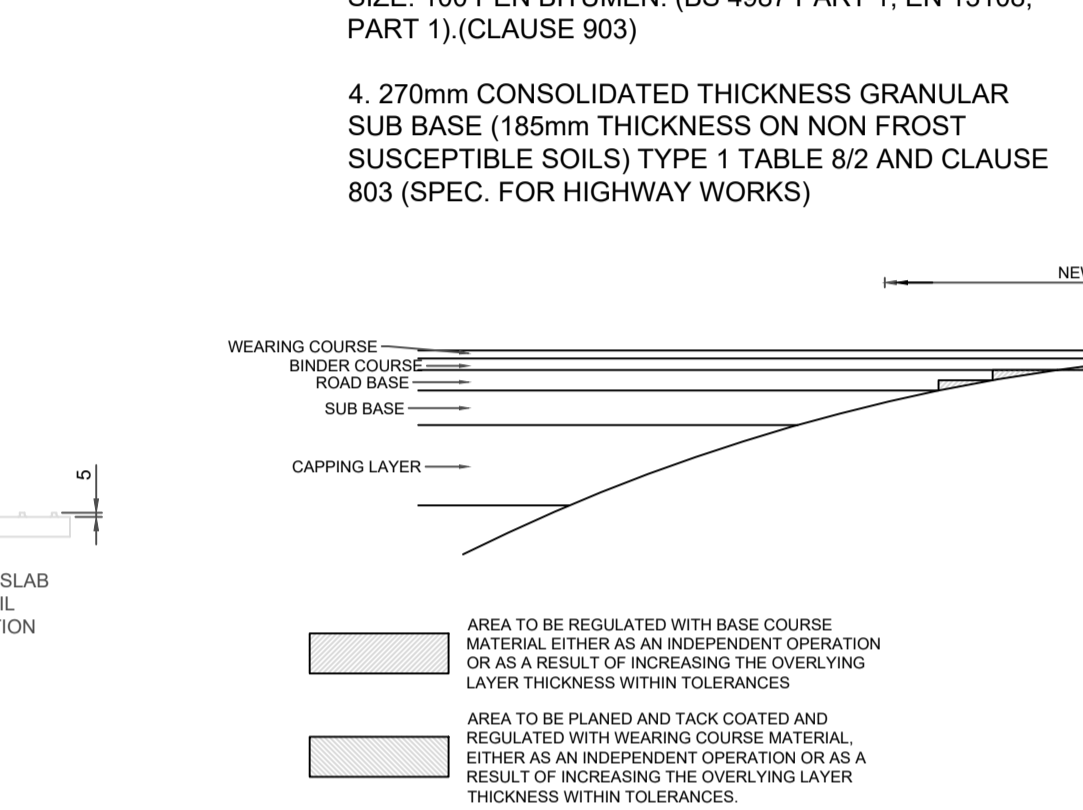
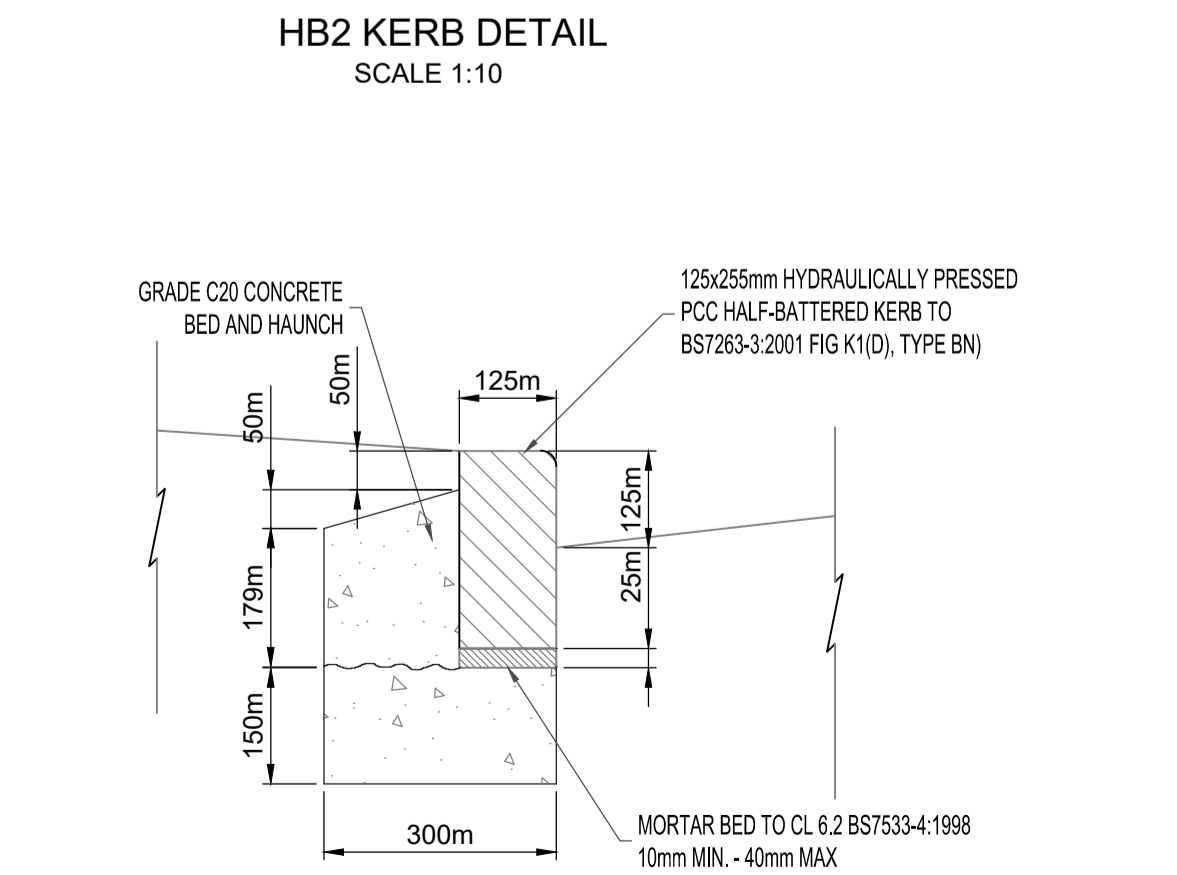
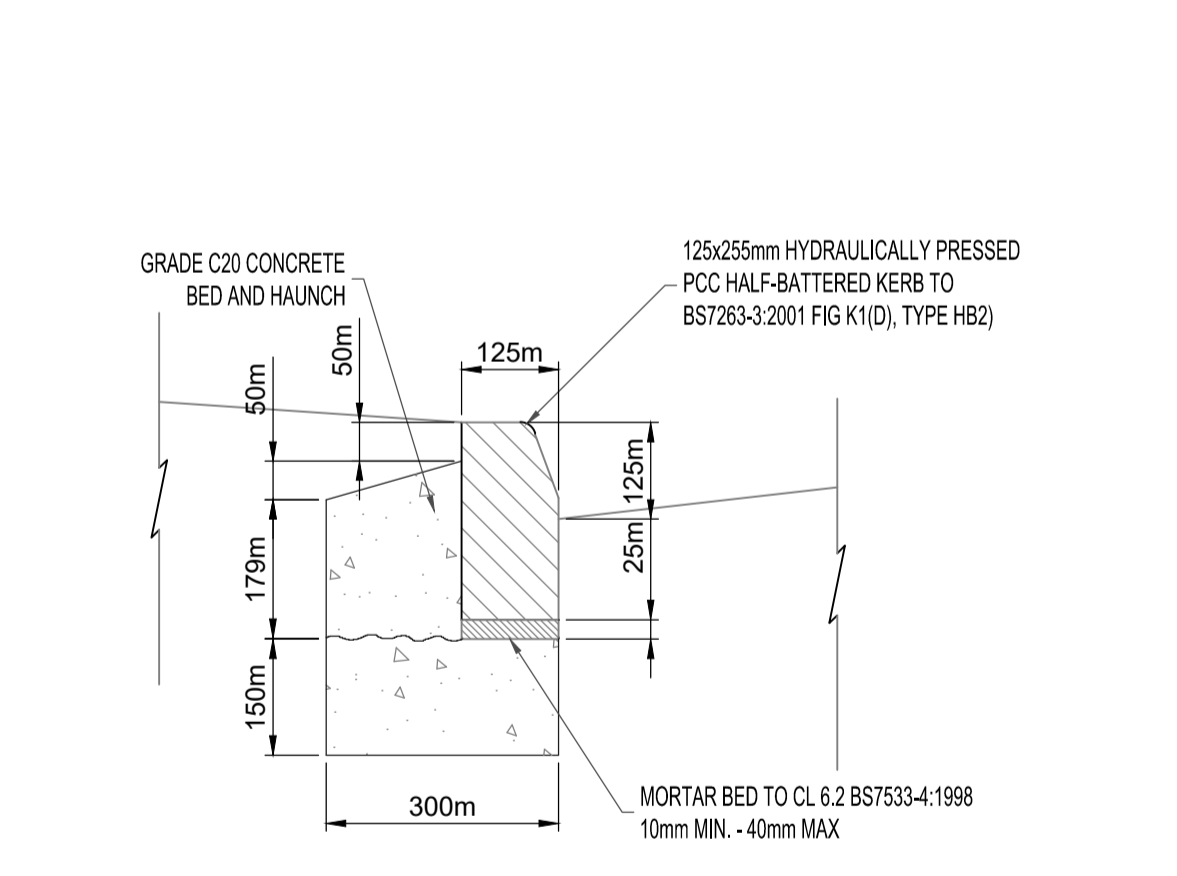
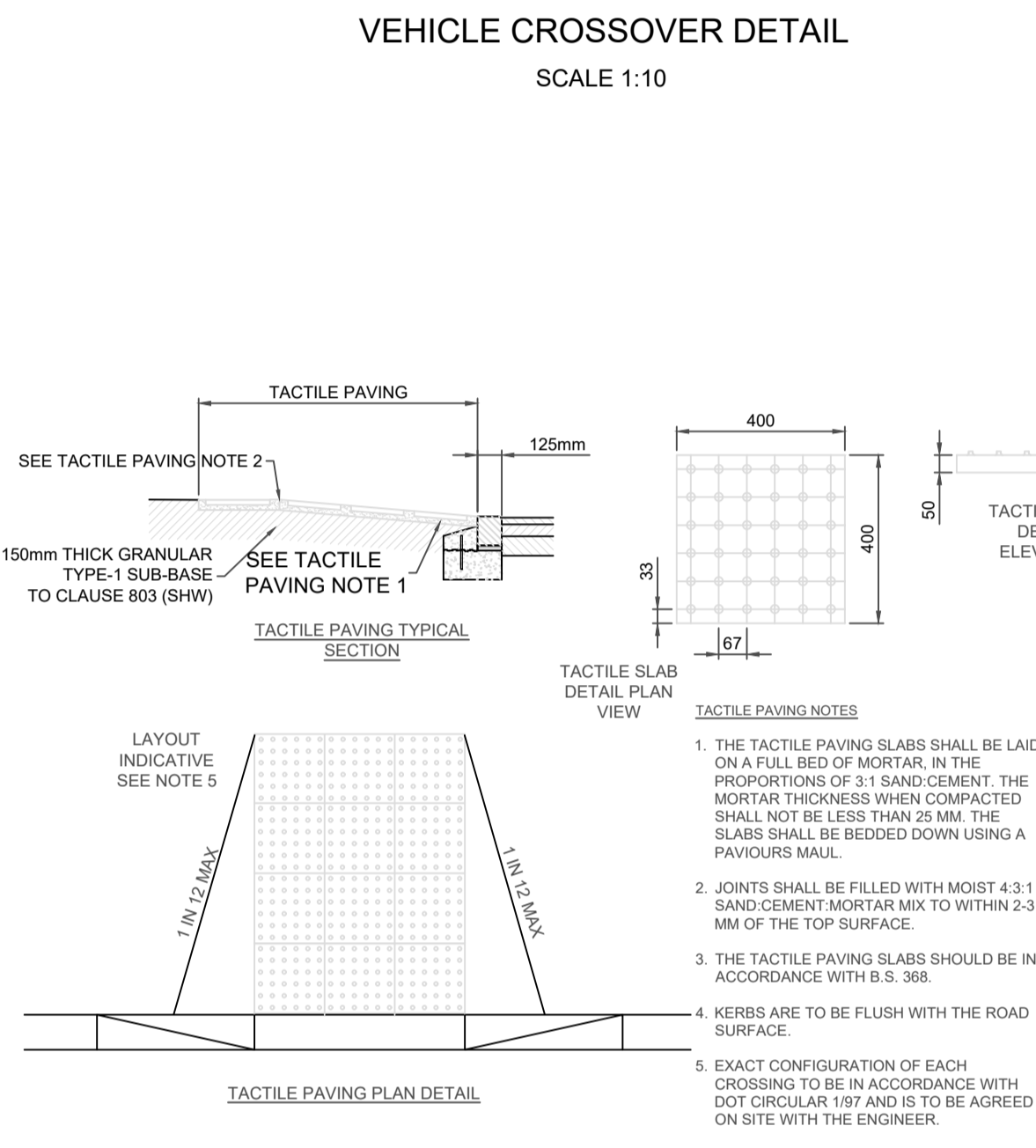
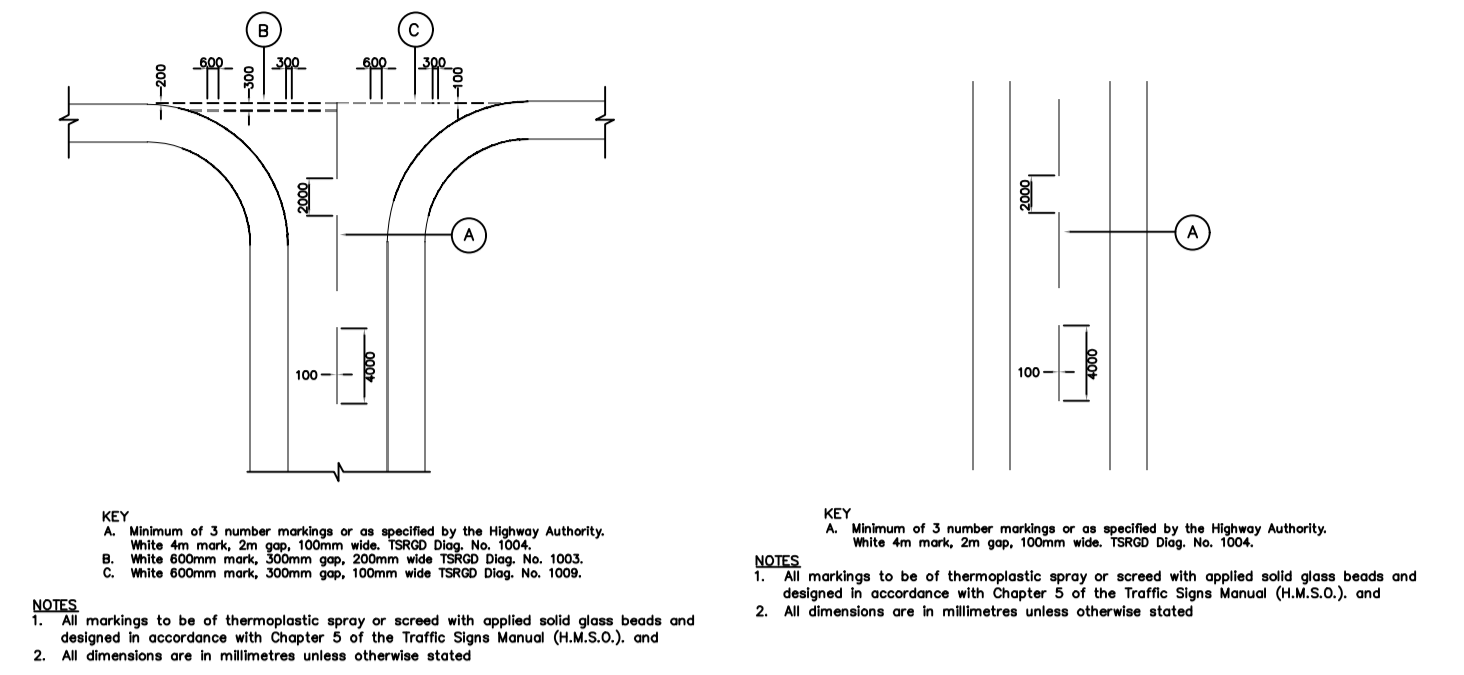
5. CAPPING LAYER 600mm based on below 2% CBR Value (CLAUSE 613)

1. PAVING COURSE

2. BASE

3. SUB BASE

TYPICAL ROAD MARKING ARRANGEMENTS

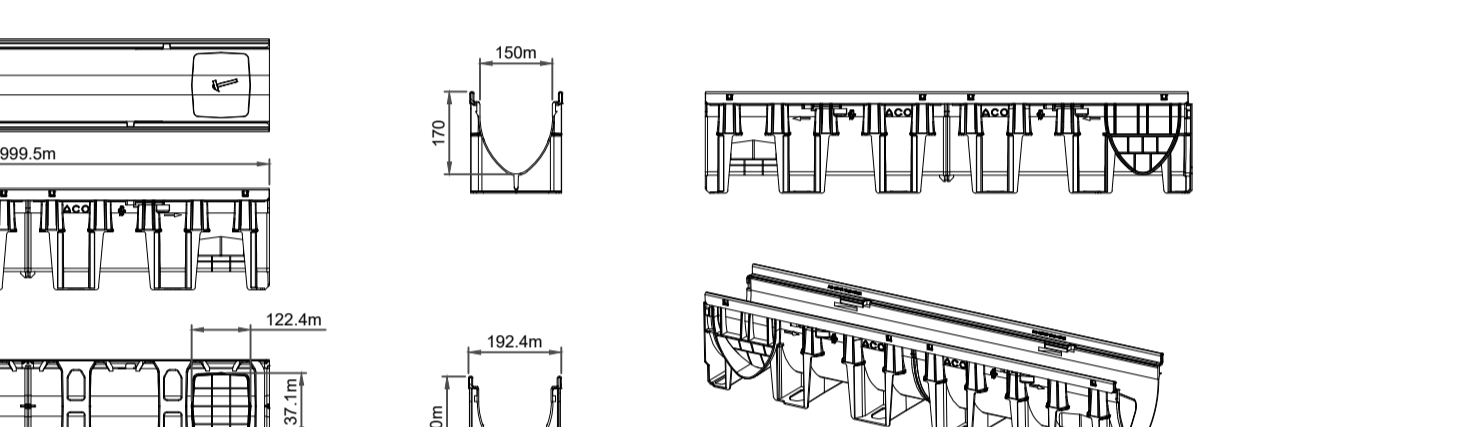
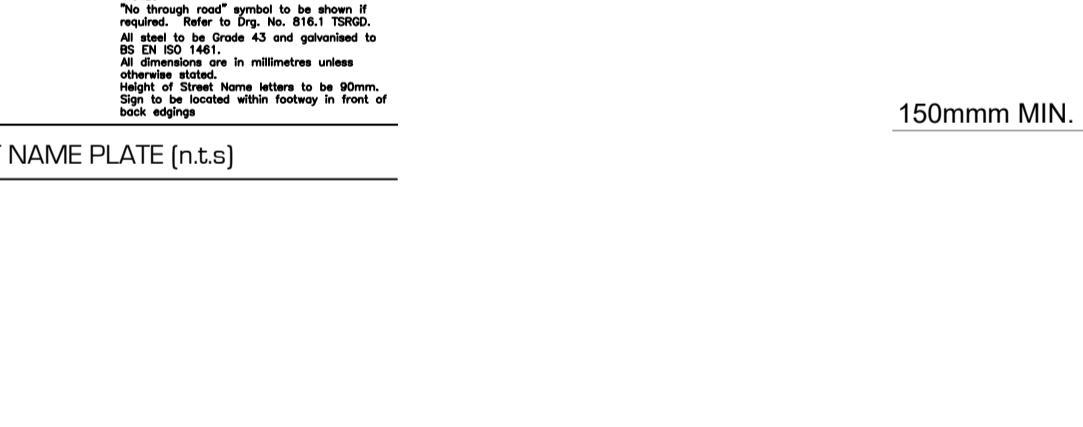
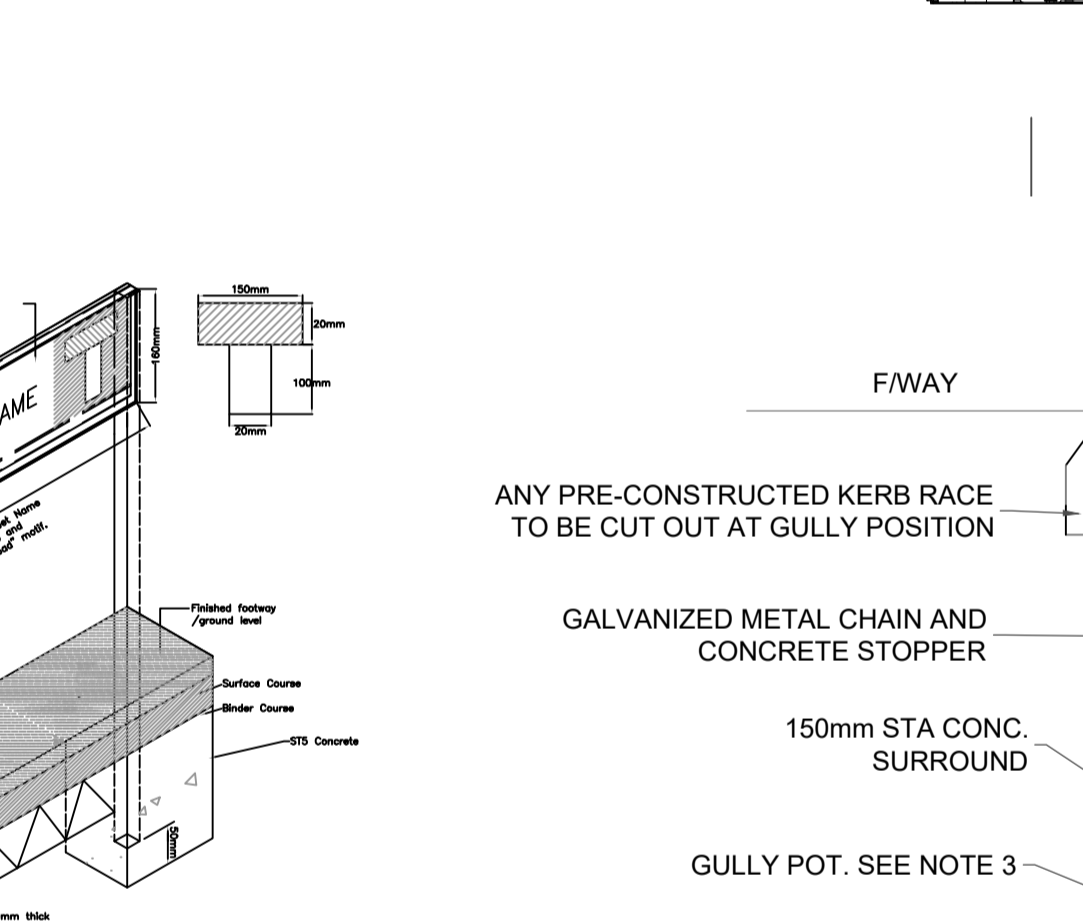
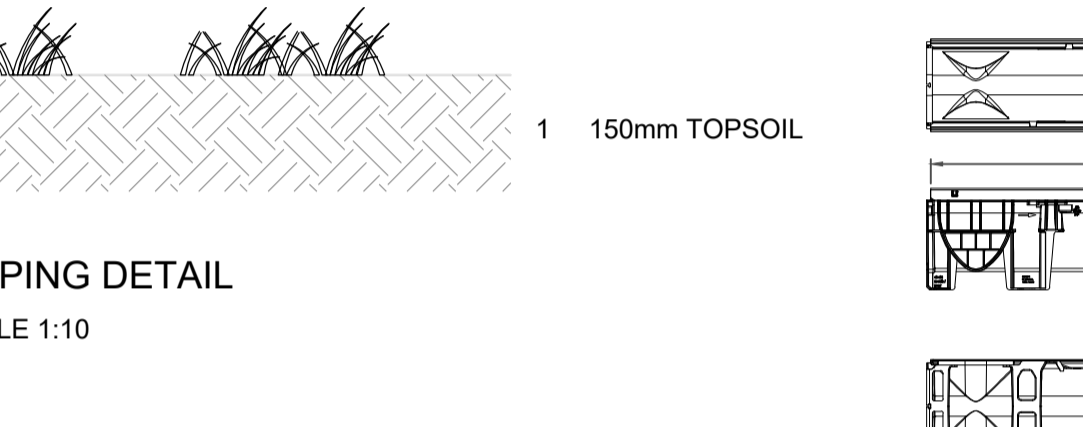
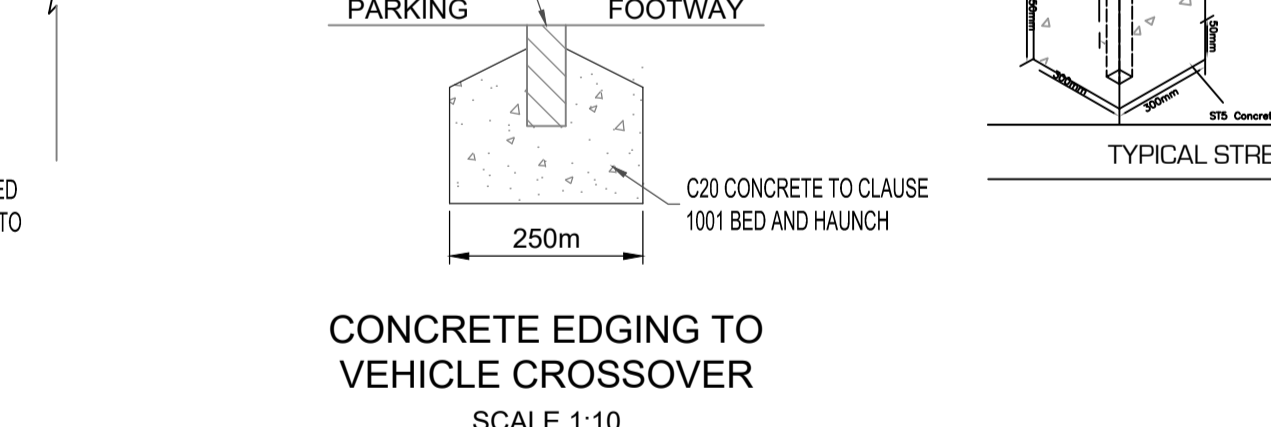
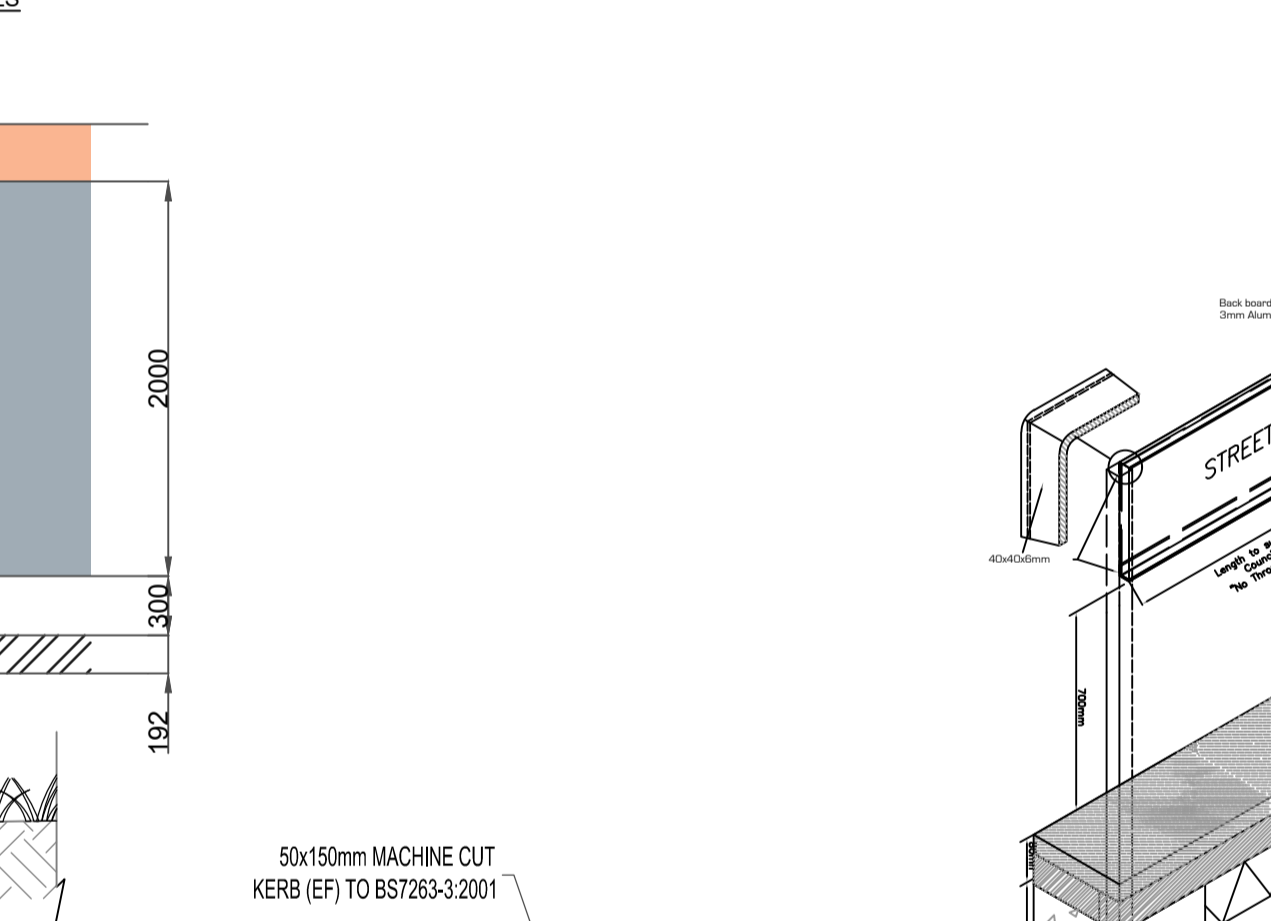
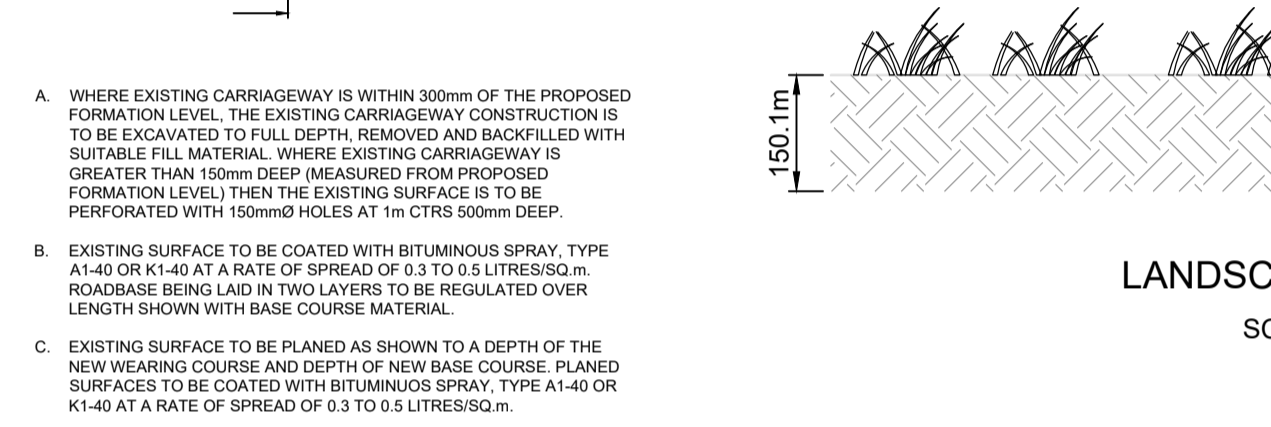
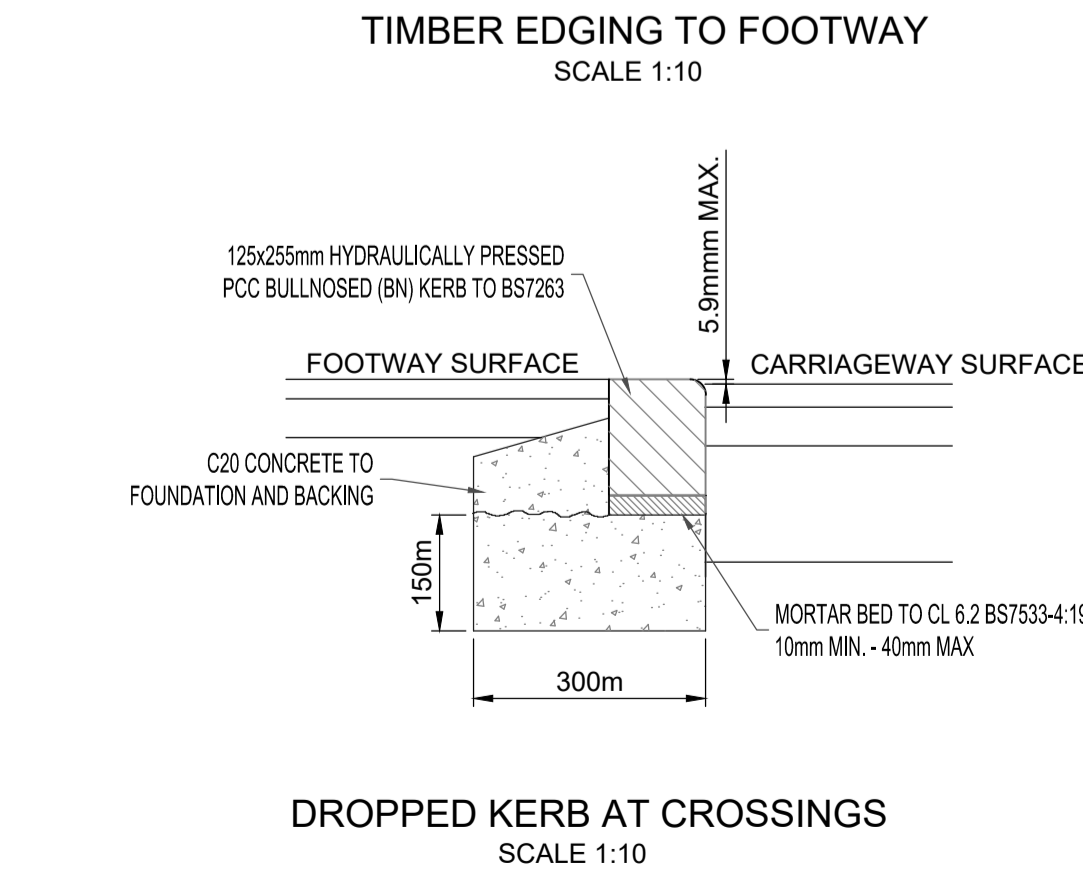
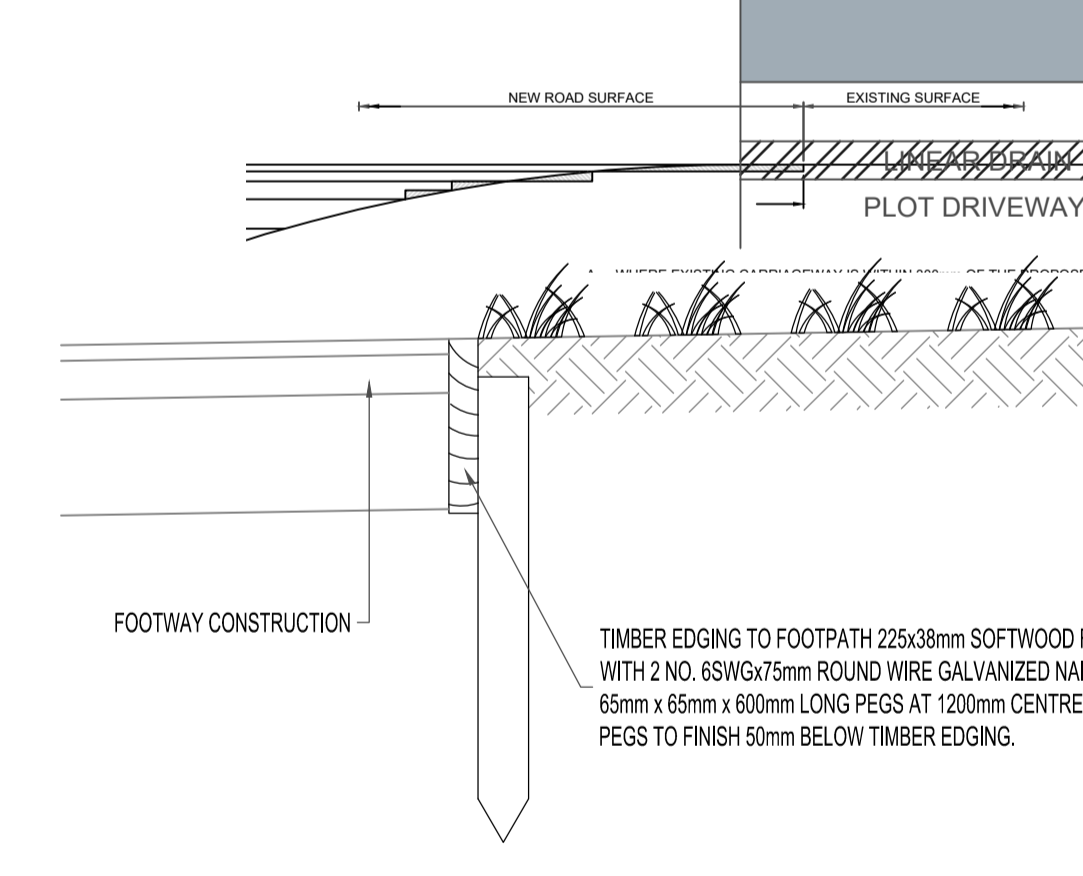


ROAD TIE IN DETAILS NOT TO SCALE

A. WHERE EXISTING CARRIAGEWAY IS WITHIN 300mm OF THE PROPOSED FORMATION LEVEL, THE EXISTING CARRIAGEWAY CONSTRUCTION IS TO BE EXCAVATED TO FULL DEPTH, REMOVED AND BACKFILLED WITH SUITABLE FILL MATERIAL. WHERE EXISTING CARRIAGEWAY IS GREATER THAN 150mm DEEP (MEASURED FROM PROPOSED FORMATION LEVEL), THEN THE EXISTING SURFACE IS TO BE PERFORMED WITH 150mm HOLES AT 1m CTR @ 500mm DEEP.

B. EXISTING SURFACE TO BE COATED WITH BITUMINOUS SPRAY, TYPE A1-40 OR K1-40 AT A RATE OF SPREAD OF 0.3 TO 0.5 LITRES/SQ.M. ROADBASE BEING LAID IN TWO LAYERS TO BE REGULATED OVER LENGTH SHOWN WITH BASE COURSE MATERIAL.

C. EXISTING SURFACE TO BE PLANNED AS SHOWN TO A DEPTH OF THE NEW WEARING COURSE AND DEPTH OF NEW BASE COURSE. PLANNED SURFACES TO BE COATED WITH BITUMINOUS SPRAY, TYPE A1-40 OR K1-40 AT A RATE OF SPREAD OF 0.3 TO 0.5 LITRES/SQ.M.



STREET GULLY DETAIL

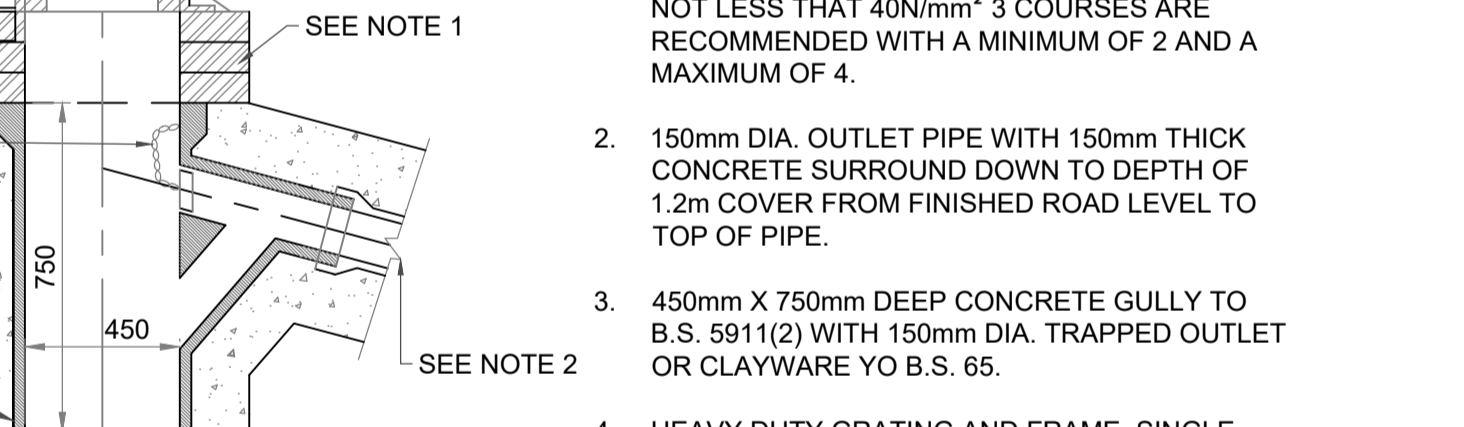
1. CLASS 'B' ENGINEERING BRICK 225mm THICK TO BS 3921 OR CONCRETE BRICK TO B.S. 6073(1) HAVING A CRUSHING STRENGTH OF NOT LESS THAN 40N/mm² 3 COURSES ARE RECOMMENDED WITH A MINIMUM OF 2 AND A MAXIMUM OF 4.

2. 150mm DIA. OUTLET PIPE WITH 150mm THICK CONCRETE SURROUND DOWN TO DEPTH OF 1.2m COVER FROM FINISHED ROAD LEVEL TO TOP OF PIPE.

3. 450mm X 750mm DEEP CONCRETE GULLY TO B.S. 5911(2) WITH 150mm DIA. TRAPPED OUTLET OR CLAYWARE YO B.S. 65.

4. HEAVY DUTY GRATING AND FRAME, SINGLE PIECE HINGED (HINGE FACING TRAFFIC), NON ROCKING, CLASS D400 TO B.S. EN124, KITEMARKED. SET 5mm BELOW FINISHED ROAD LEVEL.

5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.



BLOCK PAVING PARKING BAY CONSTRUCTION [BASED ON CBR'S OF 2-5%] (FOR USE IN UNADOPTED CARRIAGEWAY AND PRIVATE DRIVEWAYS)

1. 80mm GREY RECTANGULAR PAVIOUR BLOCKS TO BS 6717 PART 1 LAID IN ACCORDANCE WITH BS 6717 PART 3. HERRINGBONE PATTERN. BLOCKS TO BE CUT AROUND COVERS. INFILL FILLETS OF MORTAR IN EXCESS OF 25mm WILL NOT BE ACCEPTABLE.

2. 50mm SHARP SAND COMPRESSED TO 30mm CONSOLIDATED THICKNESS.

3. 90mm CONSOLIDATED THICKNESS DENSE MACADAM ROADBASE, 28mm NOMINAL AGGREGATE SIZE, 100 PEN BITUMEN. (BS 4987 PART 1). (CLAUSE 903)

4. 250mm CONSOLIDATED THICKNESS GRANULAR SUB BASE (150mm THICKNESS ON NON FROST SUSCEPTIBLE SOILS) TYPE 1 TABLE 8/2 AND CLAUSE 803 (SPEC. FOR HIGHWAY WORKS)*

* SUB-BASE TO BE COMPACTED IN ACCORDANCE WITH CLAUSE 802 AND TABLE 8/1 OF S.H.W. i.e. LAID IN 110mm LAYERS & COMPACTED WITH 8 PASSES USING BOMAG BW120AD VIBRATING ROLLER.

REV	DESCRIPTION	BY	DATE
FOR APPROVAL			
ENZO HOMES			
HEOL Y GLYN GLYNNEATH			
PROPOSED HIGHWAY CONSTRUCTION DETAILS			
drawn	RE	chgd	-
date	25.11.2020	project no.	9610
scale	AS SHOWN	dig no.	113
		rev.	P1