

PAVEMENT TYPE	LOCATION	MSA	SUB-BASE (mm)	BASE / BINDER COURSE (mm) ²	SURFACE COURSE (mm)	FOUNDATION CLASS
A	MAINLINE	56	580mm MIN TYPE 1 ¹ (SEE TABLE 2 BELOW)	60mm AC 20 DENSE BIN 40/60 DES + 240mm AC 32 DENSE BASE 40/60 DES	40mm HRA 55/10C SURF	CLASS 2
B	OVERLAY	-	-	VARIABLE - REGULATING + AC 20 DENSE BIN 40/60 DES + AC 32 DENSE BASE 40/60 DES	40mm HRA 55/10C SURF	NA
C	NARROW WIDENING	-	580mm MIN TYPE 1 ¹ (SEE TABLE 2 BELOW)	60mm AC 20 DENSE BIN 40/60 DES + 240mm ST2 WET LEAN CONCRETE BASE	40mm HRA 55/10C SURF	CLASS 2
D	PROFILE PLANE AND INLAY	-	-	60mm AC 20 DENSE BIN 40/60 DES	40mm HRA 55/10C SURF	NA
E	RESURFACING	-	-	-	40mm HRA 55/10C SURF	NA
F	FOOTWAY CROSSOVER	-	450mm MIN	50mm AC 20 DENSE BIN 40/60 DES	20mm AC 6 DENSE SURF 100/150	CLASS 2

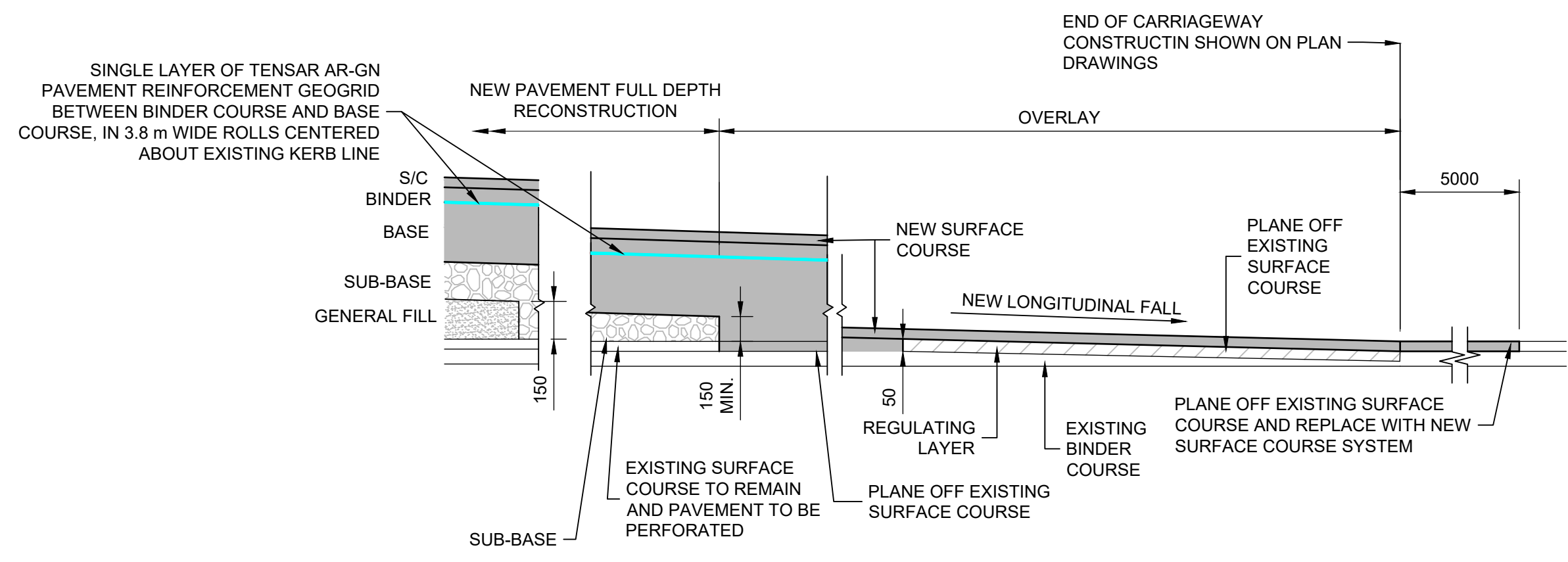
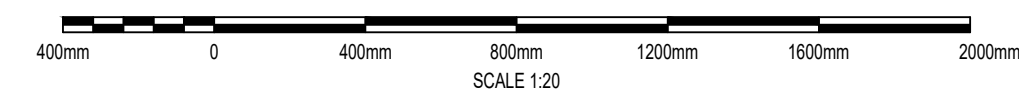
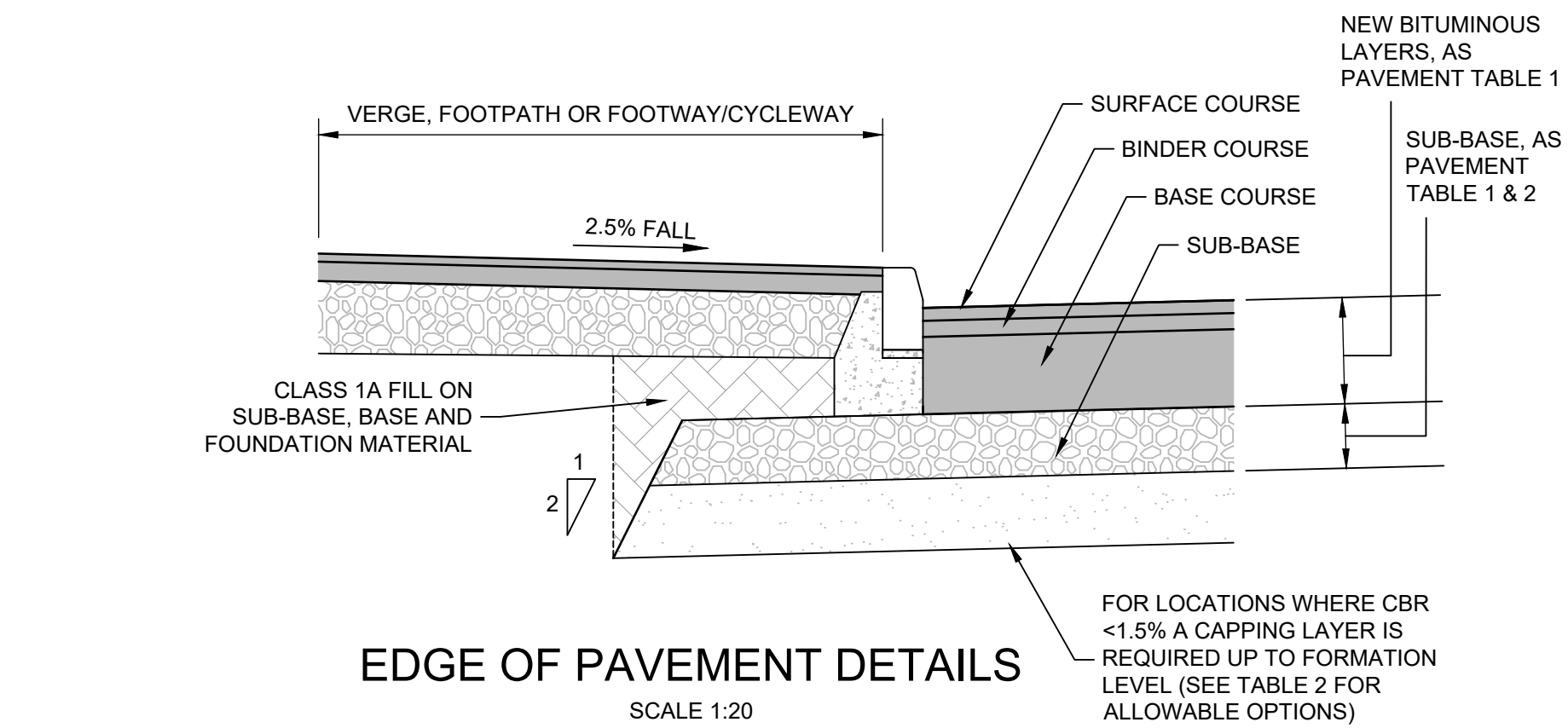
TABLE 1 - PAVEMENT CONSTRUCTION TABLE

¹ MINIMUM SUB-BASE THICKNESS IS BASED ON LONG-TERM DESIGN CBR OF 1.5%. LONG-TERM AND SHORT-TERM CBR VALUE IS REQUIRED TO BE VERIFIED ON SITE, AND THE WORST VALUE TAKEN, PRIOR TO CONSTRUCTION COMMENCES AND INCREASED IN ACCORDANCE WITH TABLE 2 BELOW IF REQUIRED. THE LONG TERM CBR IS TO BE BASED ON LABORATORY TESTING TO BS EN 1377.

CBR	FOUNDATION CLASS 2
	SUB-BASE ONLY
	TYPE 1 THK (mm)
1.5%	580
0.5%	ADD 480mm CAPPING

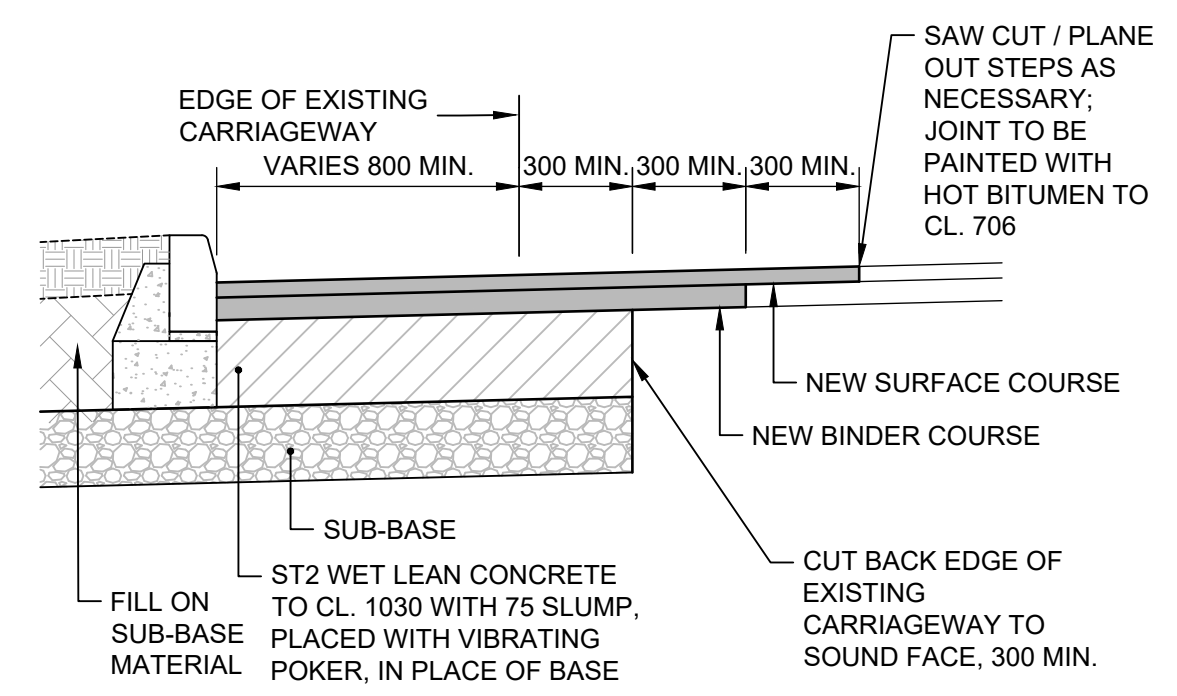
TABLE 2 - FOUNDATION CONSTRUCTION TABLE

NOTE: TYPE 1 SUB-BASE THICKNESS MAY NEED TO BE INCREASED IN ORDER TO ACHIEVE MINIMUM NON-FROST SUSCEPTIBLE PAVEMENT THICKNESS OF 450mm (SEE NOTE 4).



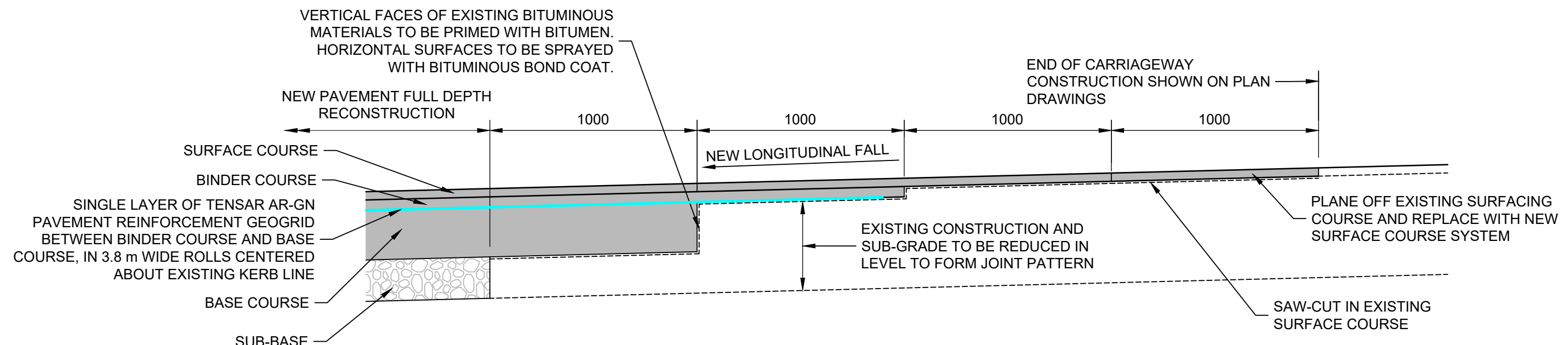
PAVEMENT OPTION B OVERLAY TIE IN TO EXISTING WITH TENSAR AR-GN PAVEMENT REINFORCEMENT GEOGRID

SCALE 1:20



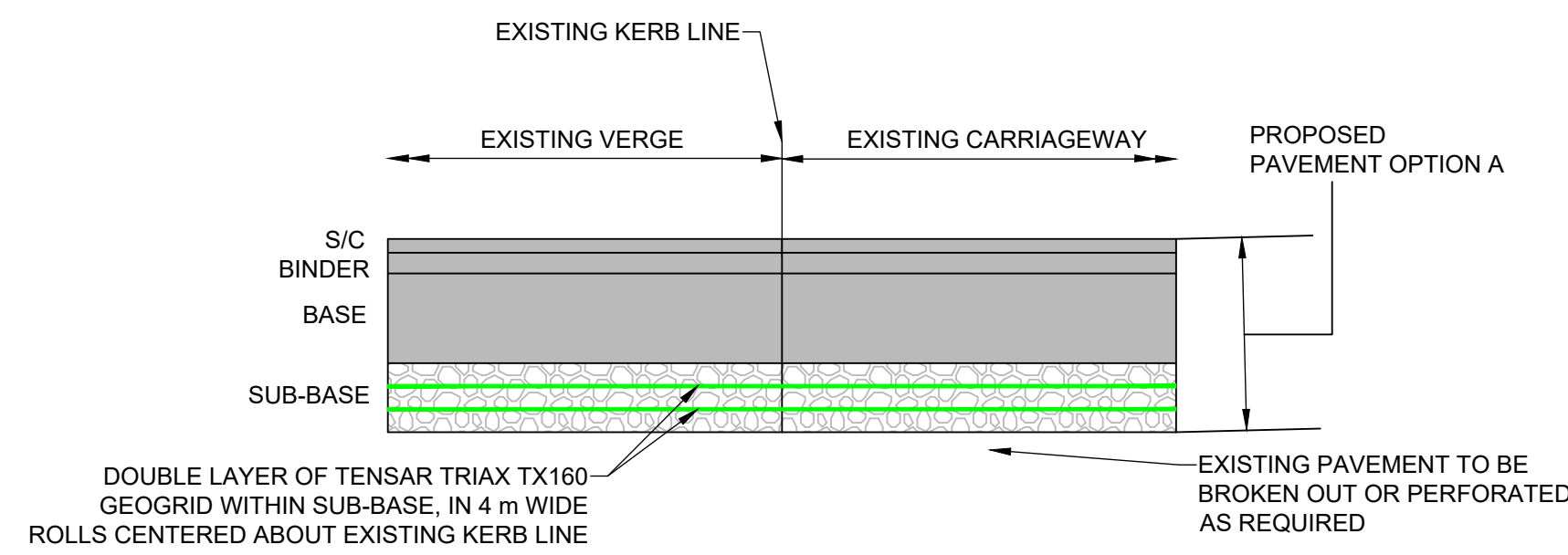
NARROW WIDENING TIE IN TO EXISTING IN WIDTHS LESS THAN 1.1m

SCALE 1:20



TRANSVERSE TIE IN FOR PROFILE PLANE AND INLAY WITH TENSAR AR-GN PAVEMENT REINFORCEMENT GEOGRID

SCALE 1:20

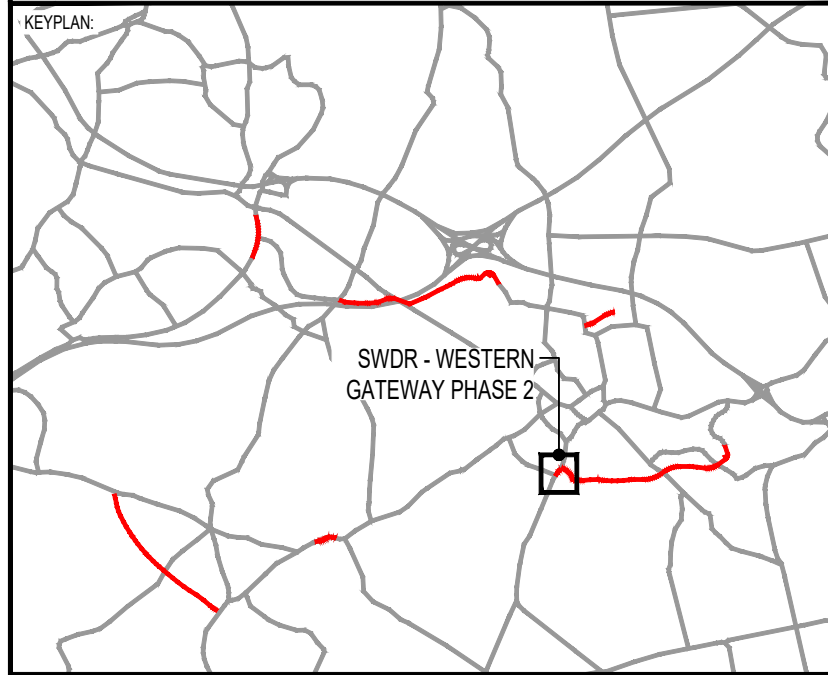


TENSAR TRIAX TX160 GEOGRID WITHIN SUB-BASE OF PAVEMENT OPTION A

SCALE N.T.S.

DO NOT SCALE

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS WMHP-TG-WG2-DR-HI-0701, WMHP-TG-WG2-DR-HI-0702, WMHP-TG-WG2-DR-HI-1101 AND SPECIFICATION WMHP-TG-WG2-SP-HI-0702.
 - ALL MATERIAL WITHIN 450mm OF ROAD SURFACE FOR PAVEMENT TYPE A SHALL BE NON-FROST SUSCEPTIBLE.
 - SOFT SPOTS WITH A CBR OF LESS THAN 1.5% SHALL BE IDENTIFIED ON SITE AND THE EXTENT AGREED WITH THE DESIGNER. THE SUB-FORMATION IN THESE AREAS TO CONSIST OF A GEOTEXTILE SEPARATION MEMBRANE AND A SUITABLE DEPTH OF CAPPING MATERIAL AS SHOWN IN TABLE 2.



REV	DATE	BY	DESCRIPTION	CHK	APP
P02	30/07/2021	BPH	REVISED FOR PLANNING DISCHARGE AND SCO COMMENTS	BH	JC
P01	19/02/2021	MS	DETAILED DESIGN ISSUE	BH	JC

DRAWING STATUS: SUITABLE FOR EXAMINATION S8

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PROJECT: WOKINGHAM MAJOR HIGHWAYS PROGRAMME
SWDR WESTERN GATEWAY PHASE 2

TITLE: ROUNDABOUT ENHANCEMENT
PAVEMENT
DETAILS

SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	JC	ARL
PROJECT NO:	DESIGNED:	DRAWN:
C118048	MS	MS
DRAWING NO:	DATE:	REV:
WMHP-TG-WG2-DR-HI-0711	February 21	P02