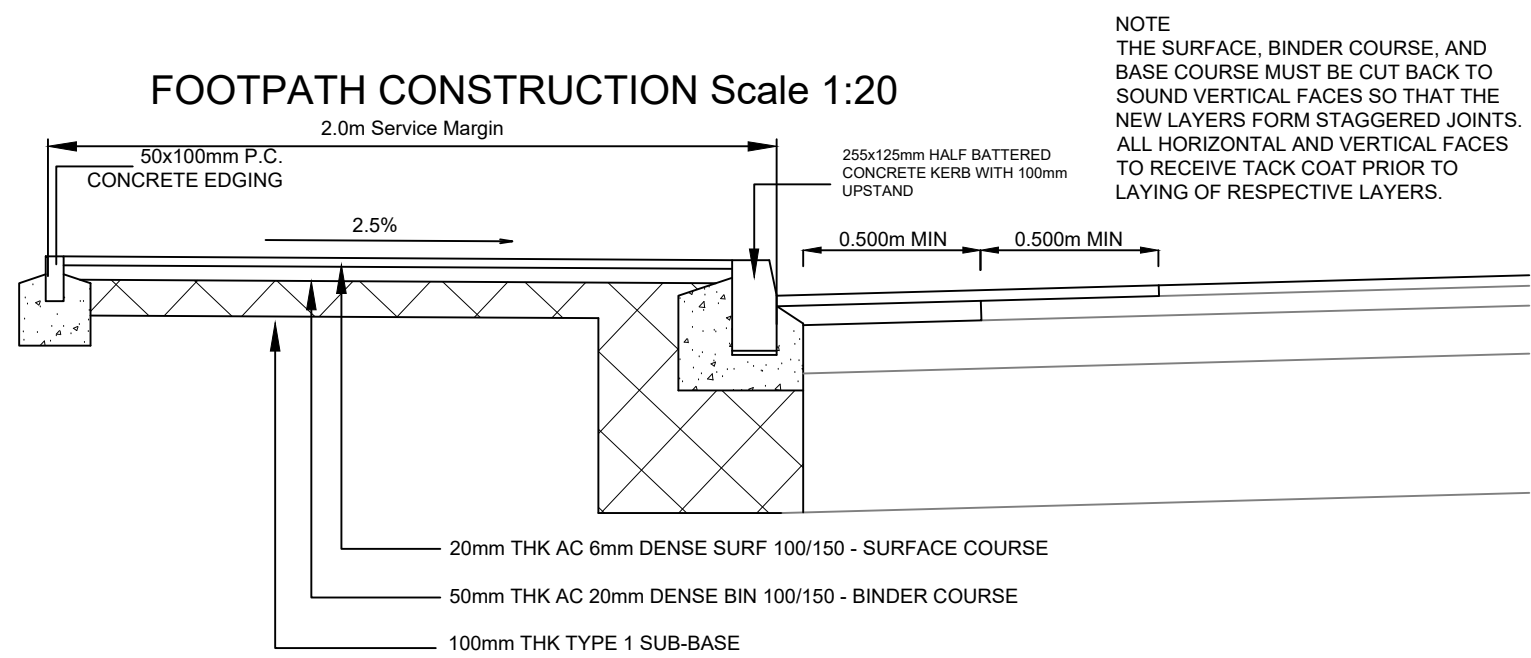


PAVEMENT DESIGN					
ROAD LAYER	ALTERNATIVE MATERIAL	SHARED SURFACE / HOME ZONE	LOCAL RESIDENTIAL STREET	CONNECTOR STREET	INDUSTRIAL ROAD
	65 PSV 10mm stone mastic asphalt surface course SMA 10 surf 40/60			50	50
SURFACE COURSE	15mm stone mastic asphalt surface course SMA 10 surf 40/60		50		
	15mm dense surface course AC 10 dense surf 100/150	30			
BINDER COURSE	Concrete block paving on 50mm sand bed and/or similar or similar approved (Tegula / Yorkstone in conservation area)	80	N/A	N/A	N/A
BASE COURSE	0/20 dense AC 20 HDM base 40/60	60	60	60	60
	0/32 dense AC 32 HDM base 40/60	85	130	150	170

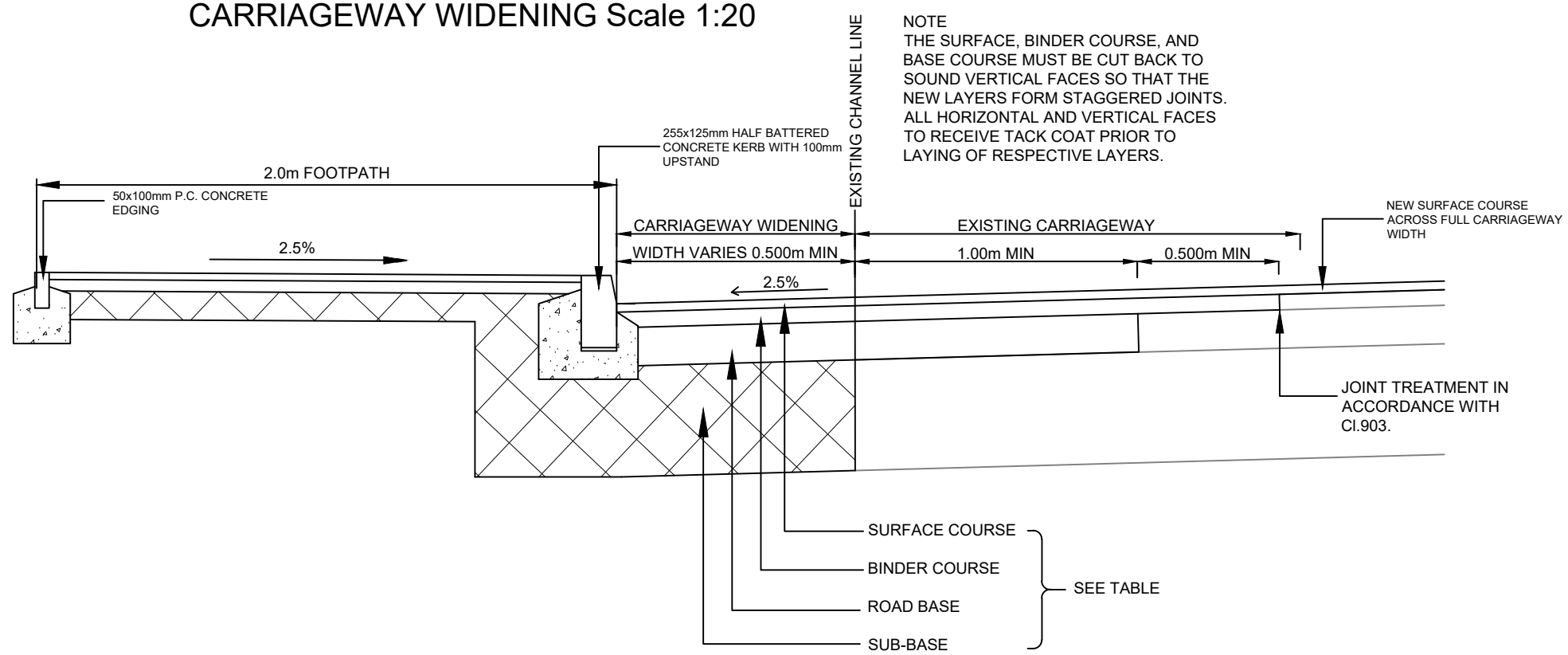
PAVEMENT FOUNDATION DESIGN			
CBR %	SUBBASE OR CAPPING	SUB BASE(mm)	SUBBASE ONLY
<2.5	Ground improvement will need to be considered to improve the subgrade CBR		
2.5		430	420
3		380	370
4		320	320
5-15		280-160	280-210
Overall		150	150
Sub 15		200	200

Minimum required type 1 subbase thickness to achieve 450mm (from the designed final surface) of non-frost susceptible material



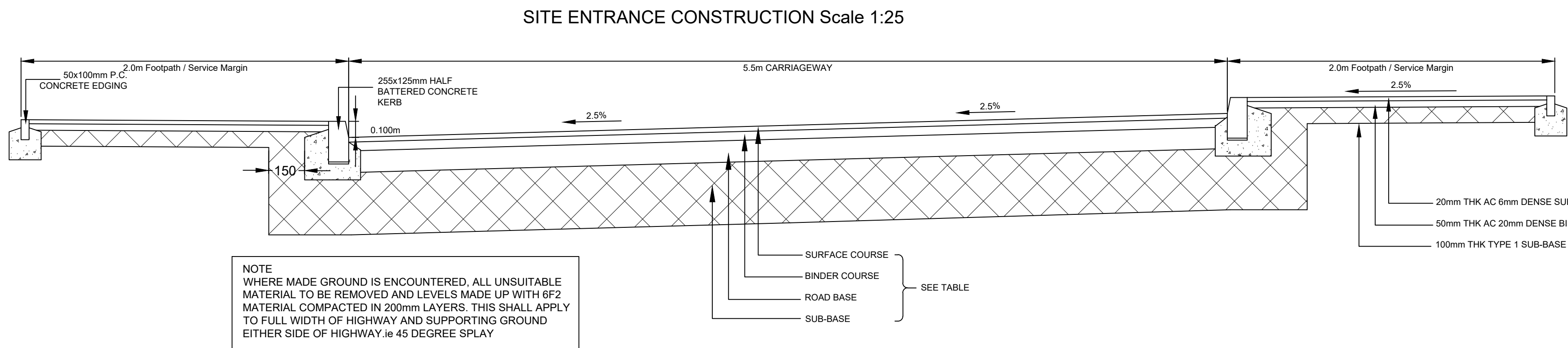
NOTE: THE SURFACE, BINDER COURSE, AND BASE COURSE MUST BE CUT BACK TO SOUND VERTICAL FACES SO THAT THE NEW LAYERS FORM STAGGERED JOINTS. ALL HORIZONTAL AND VERTICAL FACES TO RECEIVE TACK COAT PRIOR TO LAYING OF RESPECTIVE LAYERS.

CARRIAGEWAY WIDENING Scale 1:20

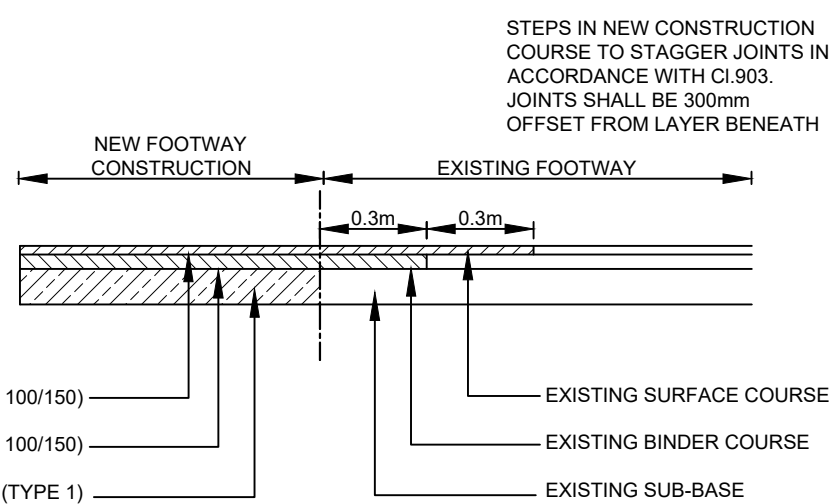


NOTE: THE SURFACE, BINDER COURSE, AND BASE COURSE MUST BE CUT BACK TO SOUND VERTICAL FACES SO THAT THE NEW LAYERS FORM STAGGERED JOINTS. ALL HORIZONTAL AND VERTICAL FACES TO RECEIVE TACK COAT PRIOR TO LAYING OF RESPECTIVE LAYERS.

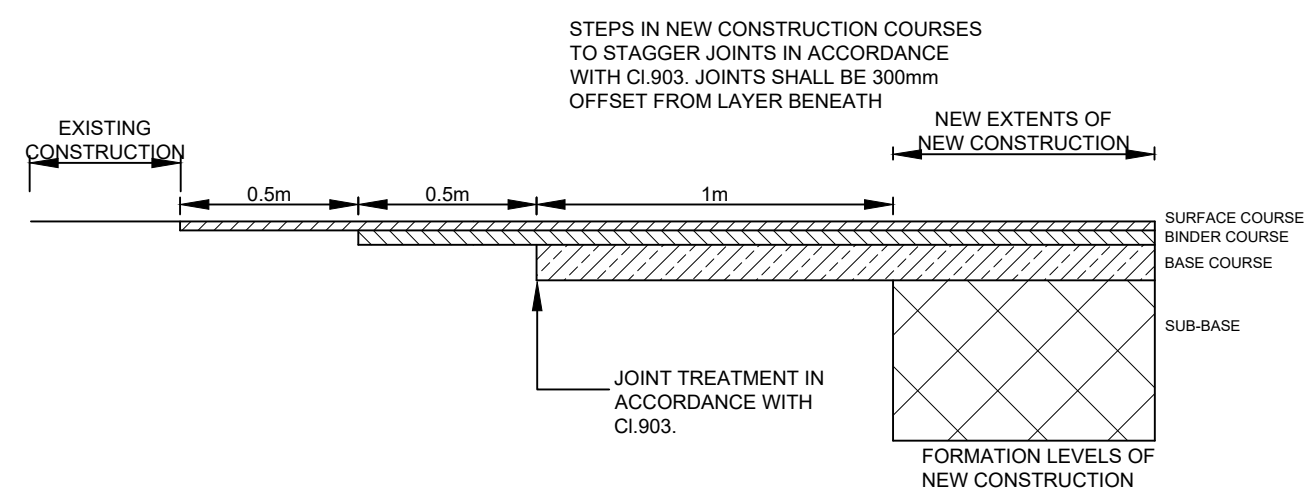
SEE TABLE



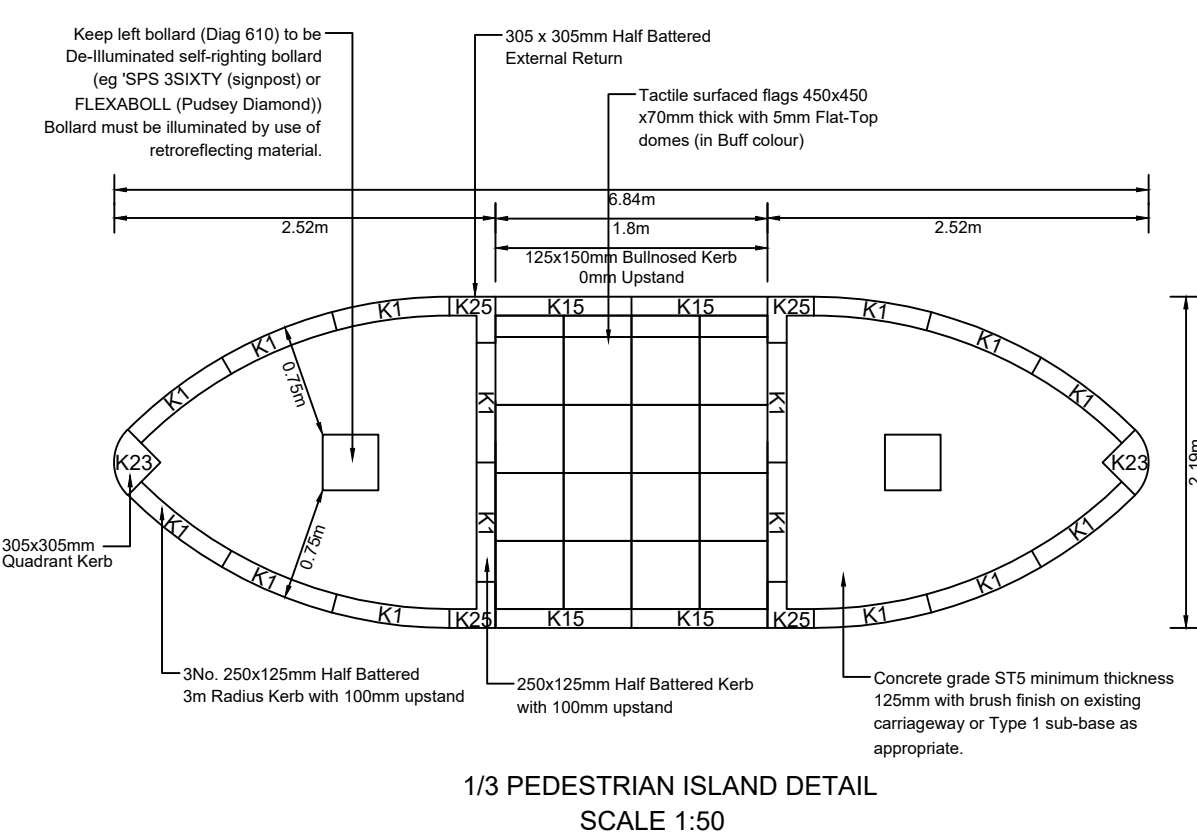
NOTE: WHERE MADE GROUND IS ENCOUNTERED, ALL UNSUITABLE MATERIAL TO BE REMOVED AND LEVELS MADE UP WITH 6F2 MATERIAL COMPACTED IN 200mm LAYERS. THIS SHALL APPLY TO FILL WIDTH OF HIGHWAY AND SUPPORTING GROUND EITHER SIDE OF HIGHWAY i.e. 45 DEGREE SPLAY



DETAIL OF JOINT - NEW AND EXISTING FOOTWAY CONSTRUCTION - TIE-IN DETAIL scale 1:25



DETAIL OF JOINT (INLAY) - NEW AND EXISTING CARRIAGEWAY CONSTRUCTION DETAIL scale 1:25

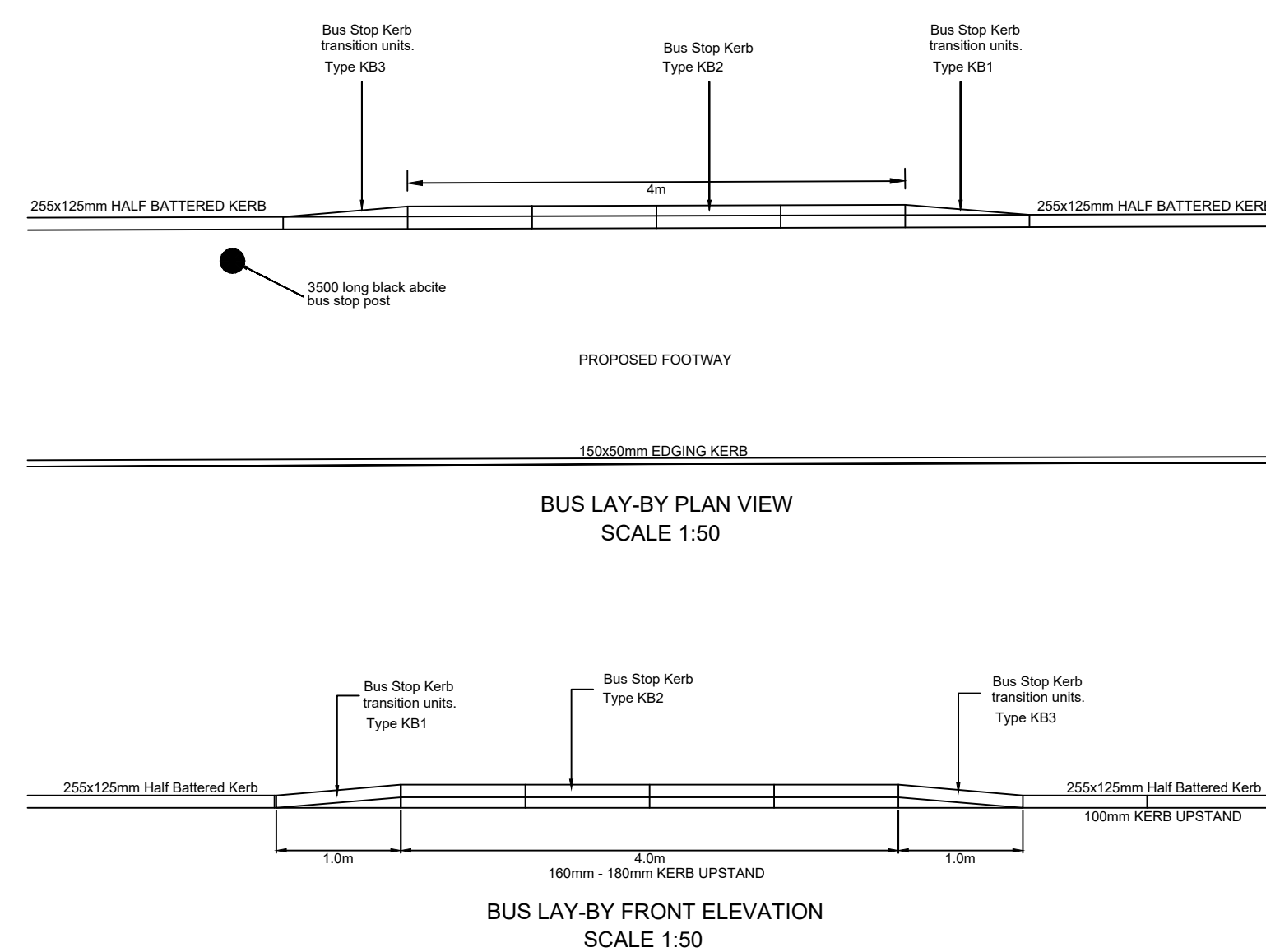


1/3 PEDESTRIAN ISLAND DETAIL SCALE 1:50

TACTILE SURFACE FLAGS 450x450x70mm WITH 5mm FLAT-TOP DOMES (IN BUFF COLOUR) LAID ON 25mm SAND LAYING COURSE ABOVE 100mm THICK SUB-BASE.

DOMES TO BE ALIGNED IN DIRECTION OF PEDESTRIAN TRAVEL.

UNCONTROLLED PEDESTRIAN CROSSING - NTS (TEXTURED PAVING)



NOTE: 1. EDGE FLAGS (CUT) SHALL BE NOT LESS THAN 102 FLAG IN WIDTH.

K15 KERBS TO BE SET FLUSH TO CHANNEL BLOCKS EXCEPT WHERE BACKFALL TO RAMP IS UNAVOIDABLE - IF SO SET K15 KERBS 6mm ABOVE CHANNEL BLOCKS FOR DRAINAGE PURPOSES. CHANNEL BLOCKS SHALL NOT BE PROVIDED IF CARRIAGEWAY SURFACING IS NOT INCLUDED IN THE WORKS. HOWEVER IT IS IMPORTANT TO AVOID HAVING FLUSH CROSSING POINTS ON THE RADIOUS KERBS BECAUSE A RABED RADIOUS KERB GIVES POSITIVE GUIDANCE FOR DRIVERS TURNING THROUGH THE JUNCTION MINIMISING THE RISK OF VEHICLES OVER-RUNNING THE FOOTWAY.

2. WHERE PCN REFERENCE USED 'N' REFERS TO NUMBER OF KERBS TYPE K15 (MIN TO BE NOT 1.0).

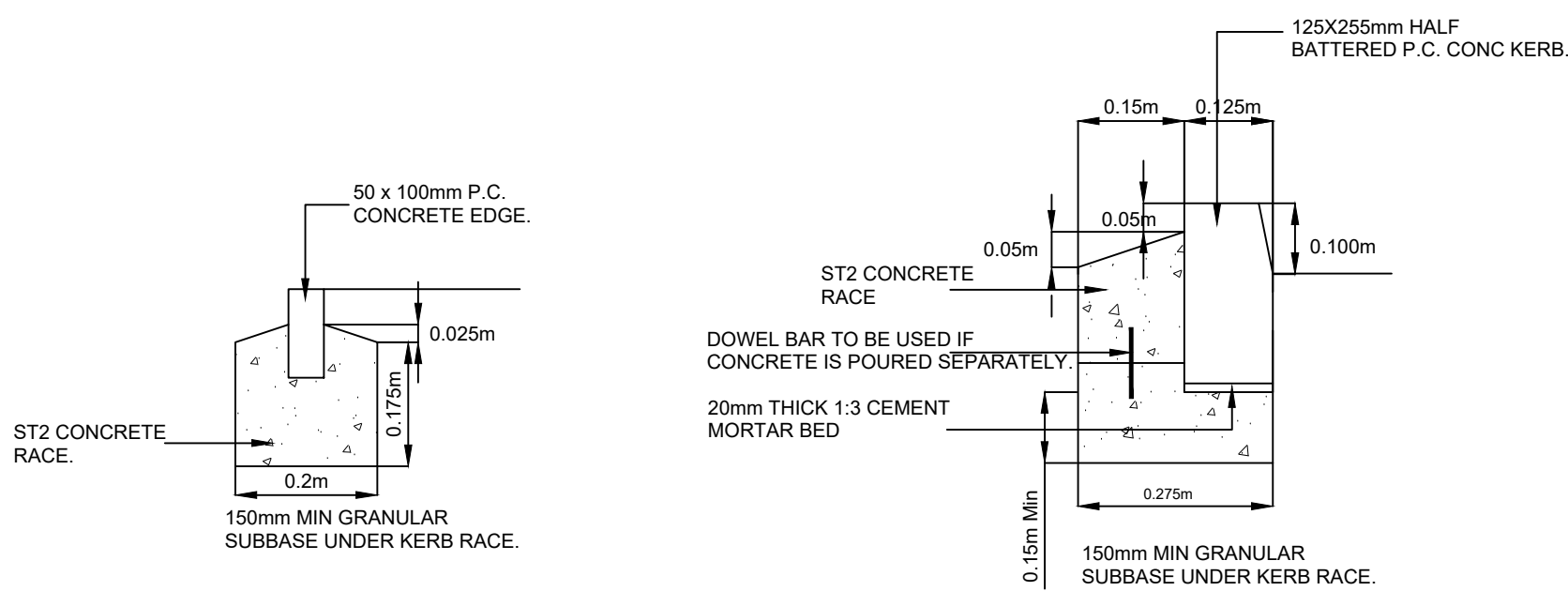
3. TACTILE AREA SHALL BE PAVED IN BUFF TACTILE BLOCKS TO SAME LAYOUT AND AREA AS SO SPECIFIED IN THE CONTRACT.

4. WHERE ADJACENT FLAGS ARE BUFF, TACTILE FLAGS TO BE IN CONTRASTING COLOUR OTHER THAN RED.

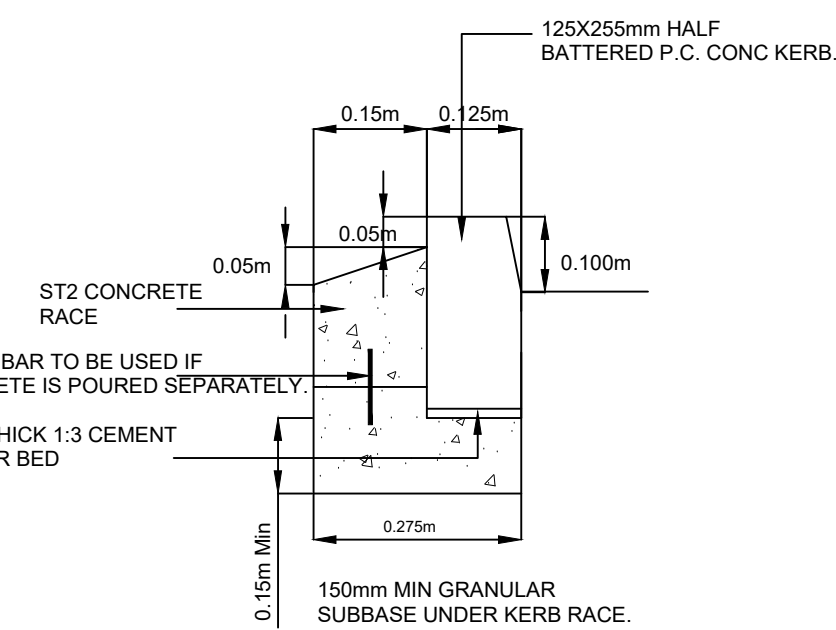
5. IN CERTAIN SITUATIONS A SINGLE ROW OF TACTILE FLAGS MAY BE REQUIRED. REFER TO SCHEME GENERAL ARRANGEMENT DRAWING NO HD-SD-11-01B & HD-SD-11-06B.

6. WHERE THE BACK EDGE IS NOT PARALLEL TO THE KERB (ie the CROSSING ITSELF IS NOT AT RIGHT ANGLES TO THE KERB) THE TACTILE SURFACE NOT BE LESS THAN 800mm IN DEPTH AT ANY POINT.

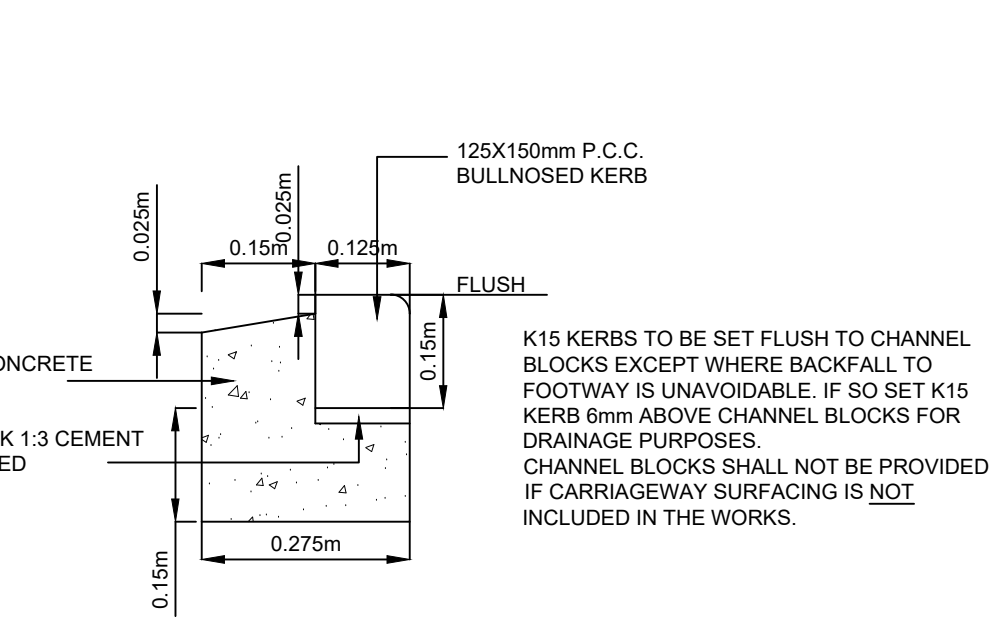
EDGING TYPE E1 DETAIL. Scale 1:10



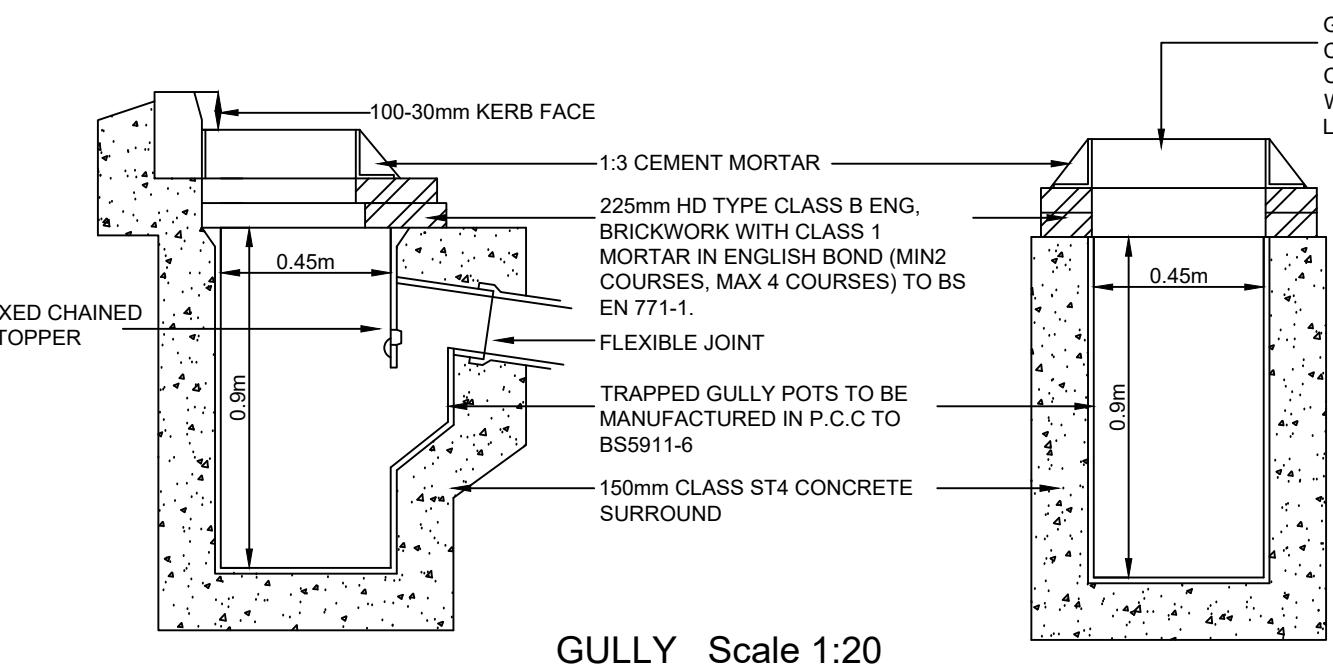
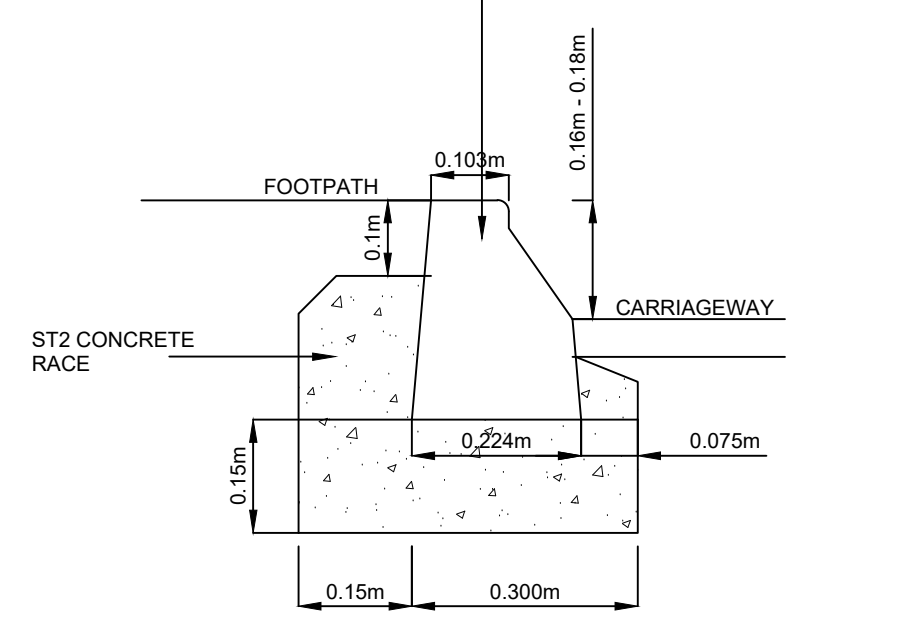
KERB TYPE K1 DETAIL. Scale 1:10



KERB TYPE K15 DETAIL. Scale 1:10

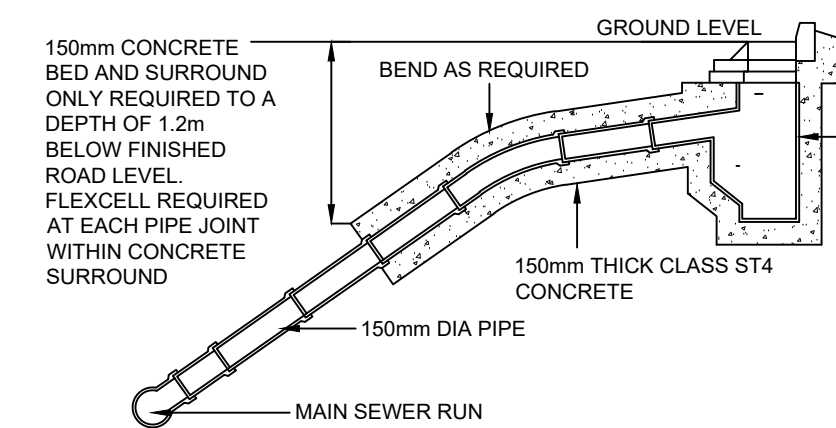


BUS STOP KERB TYPE KB2 Scale 1:10



GULLY Scale 1:20

NOTE: WHERE CAST IN SITU GULLIES ARE USED CONCRETE TO BE ST4 WITH A MINIMUM THICKNESS OF 150mm USING REMOVABLE SHUTTERING. WHERE PERMANENT SHUTTERING IS USED, SUCH SHUTTERING SHALL HAVE A CURRENT BRITISH BOARD OF AGREEMENT ROADS AND BRIDGES CERTIFICATE.



GULLY CONNECTION not to scale

C	Surface course specification amended to suit Kirklees Safety Team.	17.09.25	JM
B	Refuge island size increased to suit Stage 2 RSA recommendations.	28.08.25	JM
A	Amended to suit Kirklees comments dated 10.06.24	08.08.24	JF
Rev	Description	Date	Initials

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Client	HOMES BY HONEY
Project	PENISTONE ROAD FENAY BRIDGE
Detail	SECTION 278 - ROAD CONSTRUCTION DETAILS
Dwg No.	23/8060/023_07C
Scale	As Shown @A0
Date	DEC'23
Drawn	JM
Checked	MH