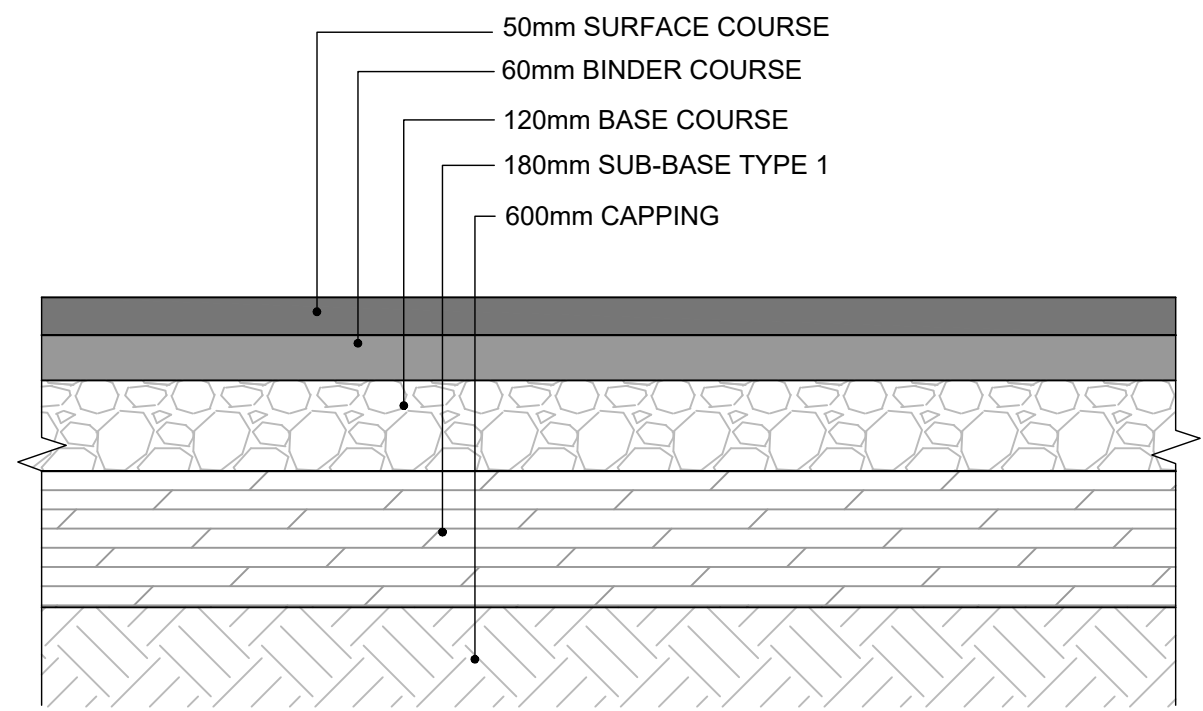
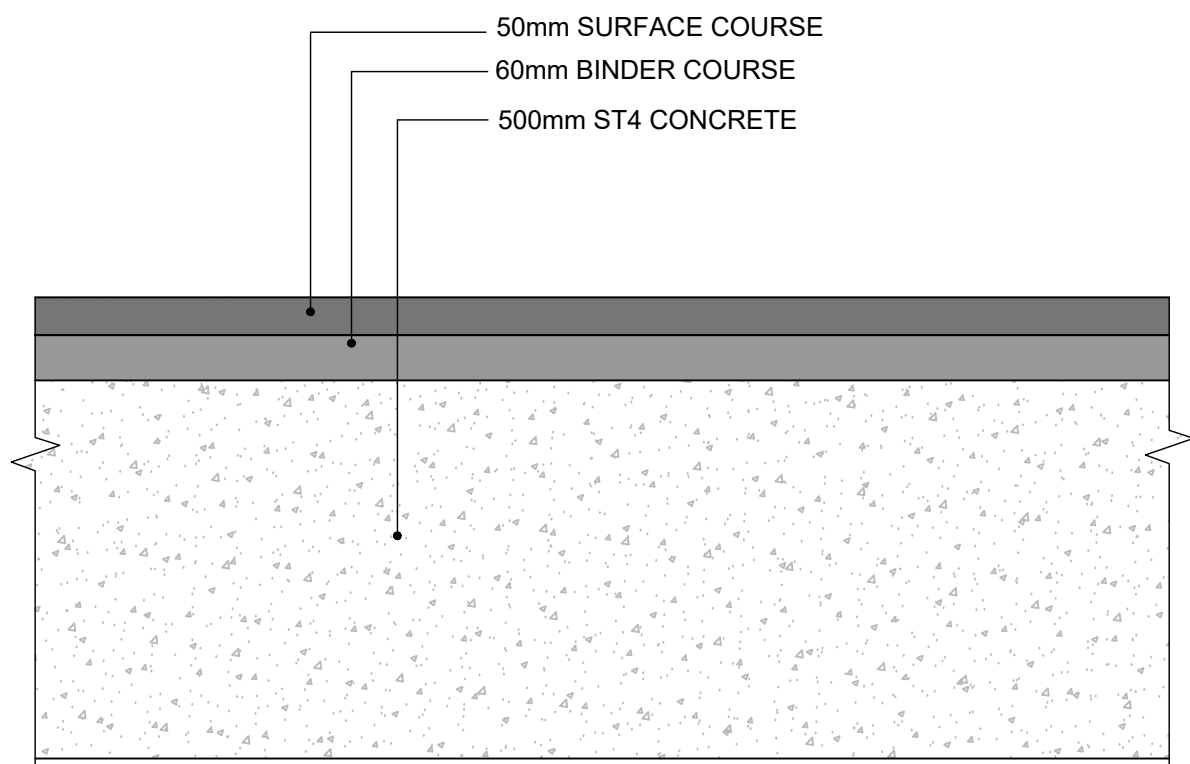




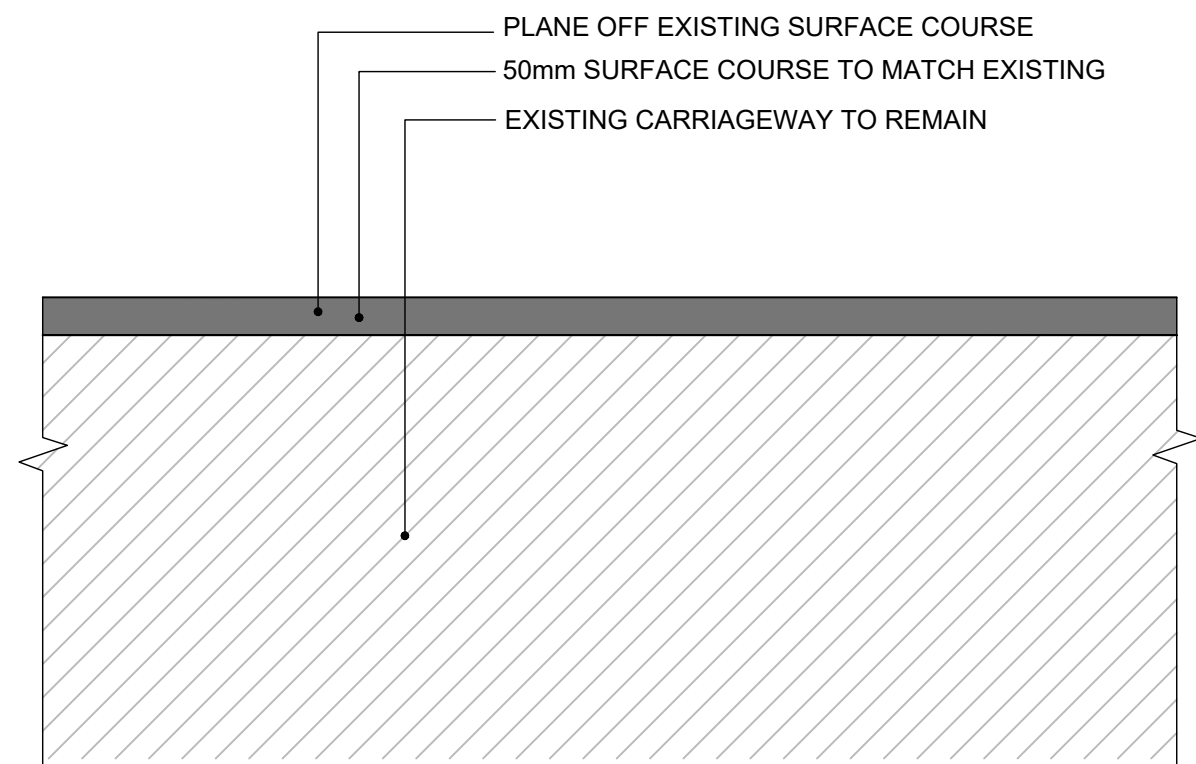
HIGHWAY CONSTRUCTION (>1m WIDE)
SCALE 1:10

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	910	HRA 30/14F SURF 40/60 REC	N/A	50mm	BS EN 13108-4, CHIPPINGS 14/20mm, PSV 63, TEXTURE DEPTH 1.2mm
BINDER COURSE	906	AC20 DENSE BIN 100/150 REC	125 PEN	60mm	BS 13108, PD 6691
BASE	906	AC32 DENSE BASE 100/150 REC	125 PEN	120mm	
SUB-BASE	803	GRANULAR TYPE 1	N/A	180mm	CBR ≥30%.
CAPPING	613	CLASS 6F2 MATERIAL	N/A	600mm	CBR ≥15%, SUB-FORMATION TO HAVE CBR ≥2.5%.



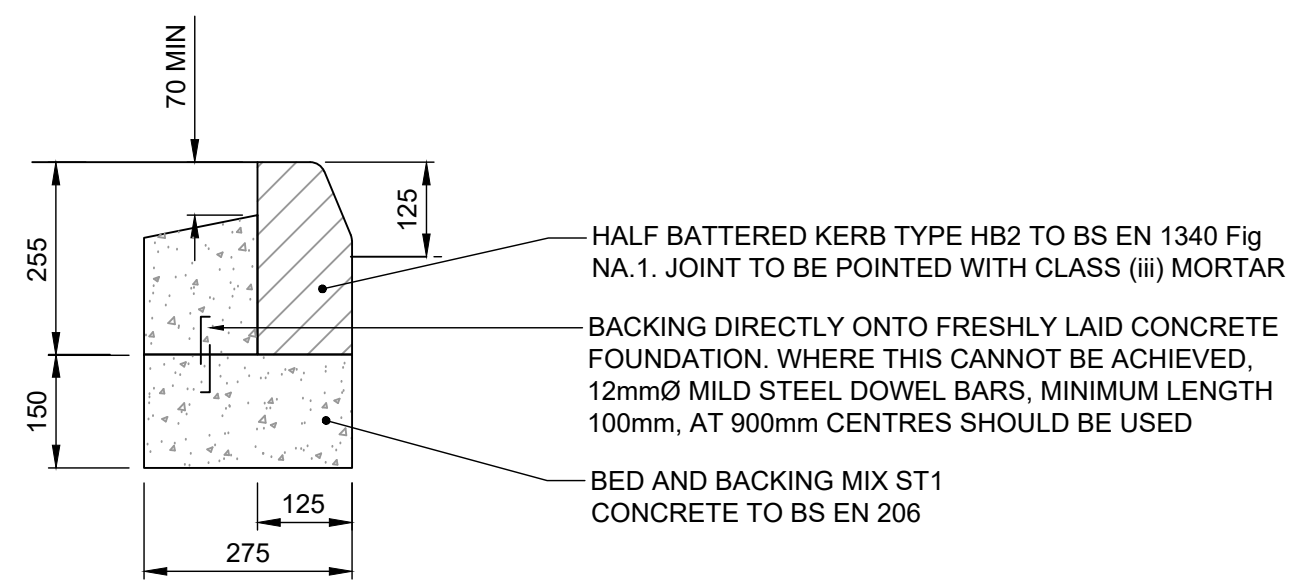
HIGHWAY CONSTRUCTION (<1m WIDE)
SCALE 1:10

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	910	HRA 30/14F SURF 40/60 REC	N/A	50mm	BS EN 13108-4, CHIPPINGS 14/20mm, PSV 63, TEXTURE DEPTH 1.2mm
BINDER COURSE	906	AC20 DENSE BIN 100/150 REC	125 PEN	60mm	BS 13108, PD 6691
BASE	-	ST4 CONCRETE	-	500mm	

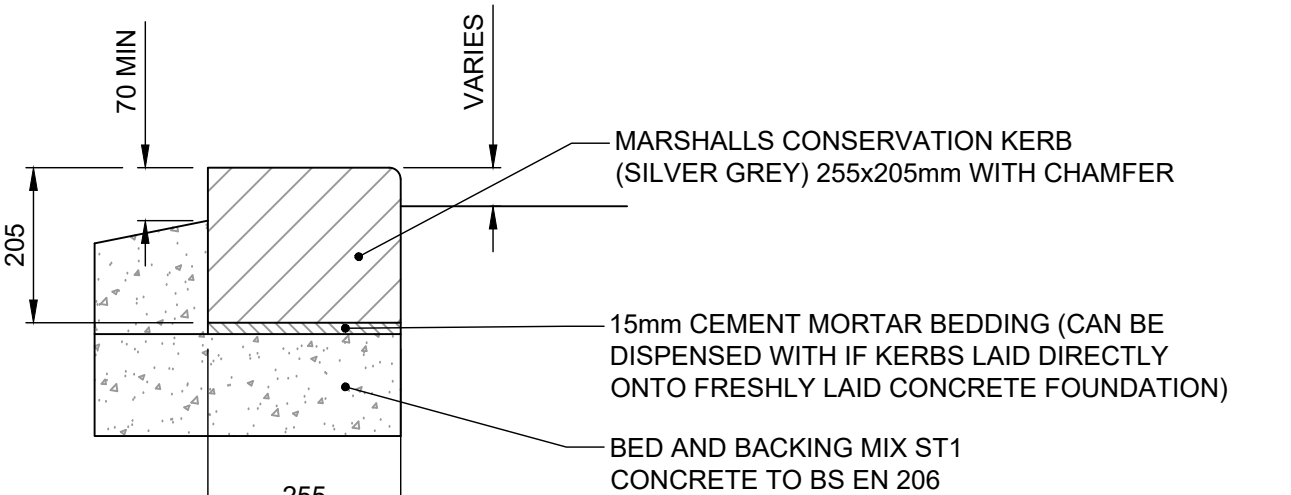


HIGHWAY CONSTRUCTION (<1m WIDE)
SCALE 1:10

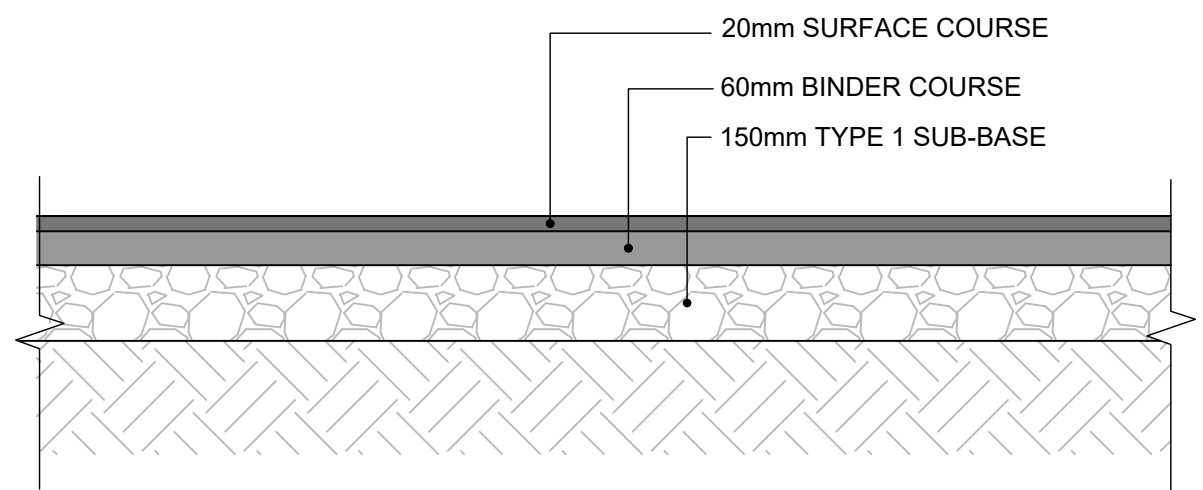
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
PLANE OFF EXISTING SURFACE COURSE					
SURFACE COURSE	-	TO MATCH EXISTING	-	50mm	MIN PSV 68



KERB TYPE HB2
SCALE - 1:10

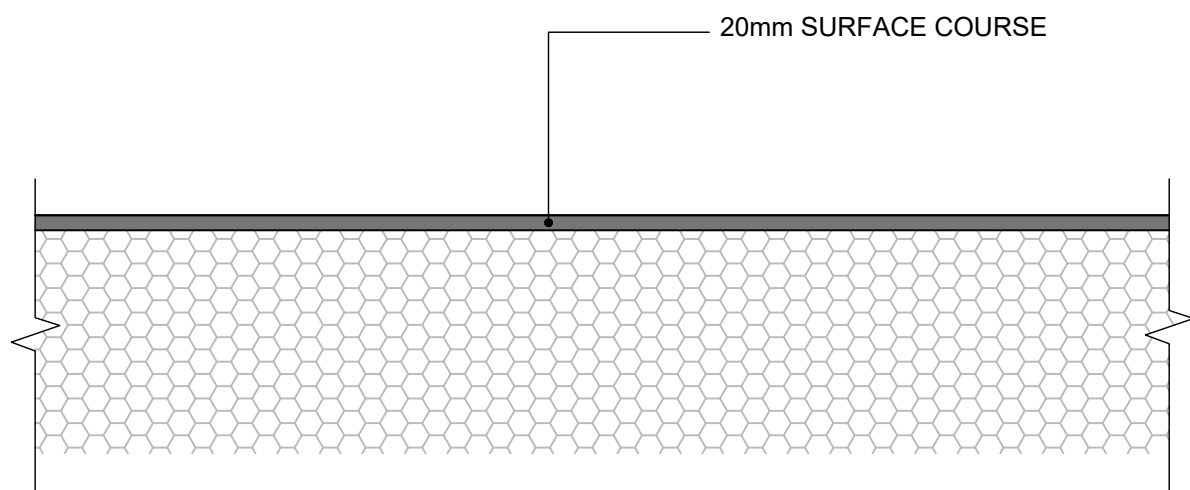


CONSERVATION KERB
SCALE - 1:10



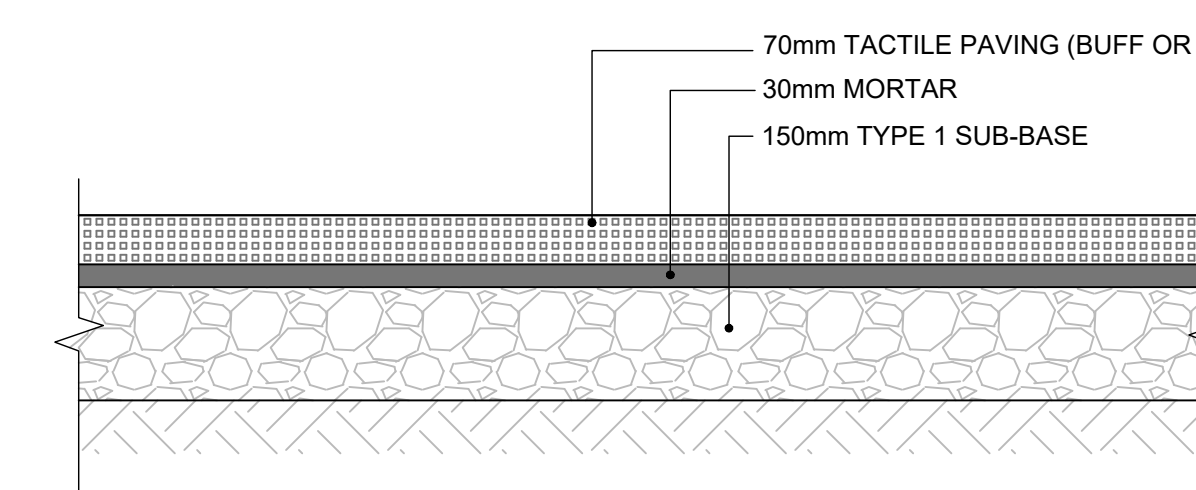
FOOTWAY CONSTRUCTION
SCALE 1:10

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	1105	AC 6 DENSE SURF, 100/150	N/A	20mm	PD 6691 TABLE B.16 PSV COARSE AGGREGATE 45 MIN
BINDER COURSE	1105	AC 20 DENSE BIN, 160/220 PEN	N/A	60mm	PD 6691 TABLE B.11
SUB-BASE	803	GRANULAR SUB BASE TYPE 1	N/A	150mm	



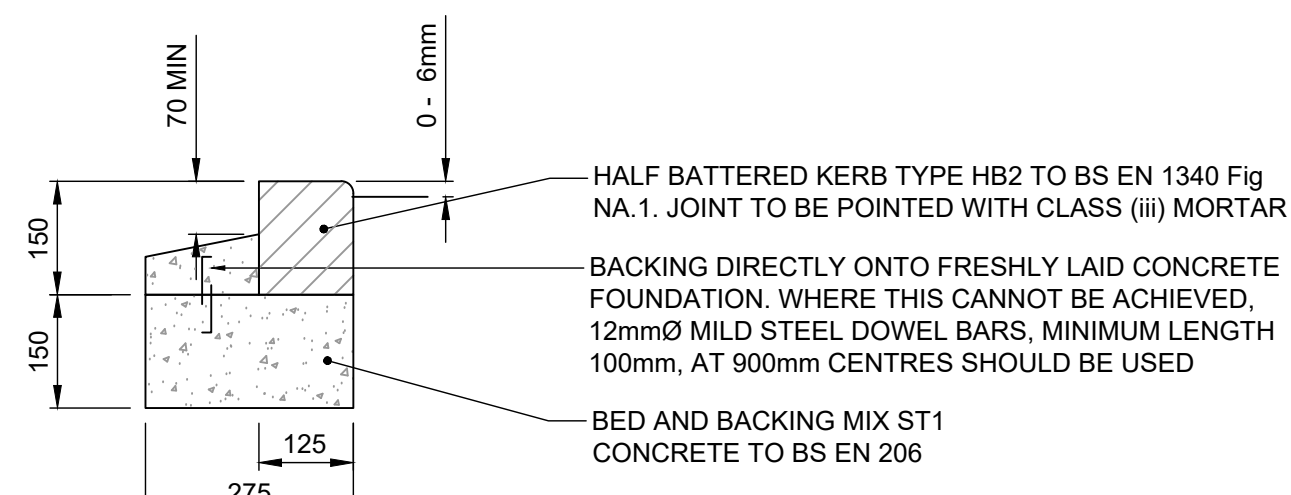
FOOTWAY RESURFACING
SCALE 1:10

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
PLANE OFF EXISTING FOOTWAY SURFACE COURSE					
SURFACE COURSE	1105	AC 6 DENSE SURF, 100/150	N/A	20mm	PD 6691 TABLE B.16 PSV COARSE AGGREGATE 45 MIN

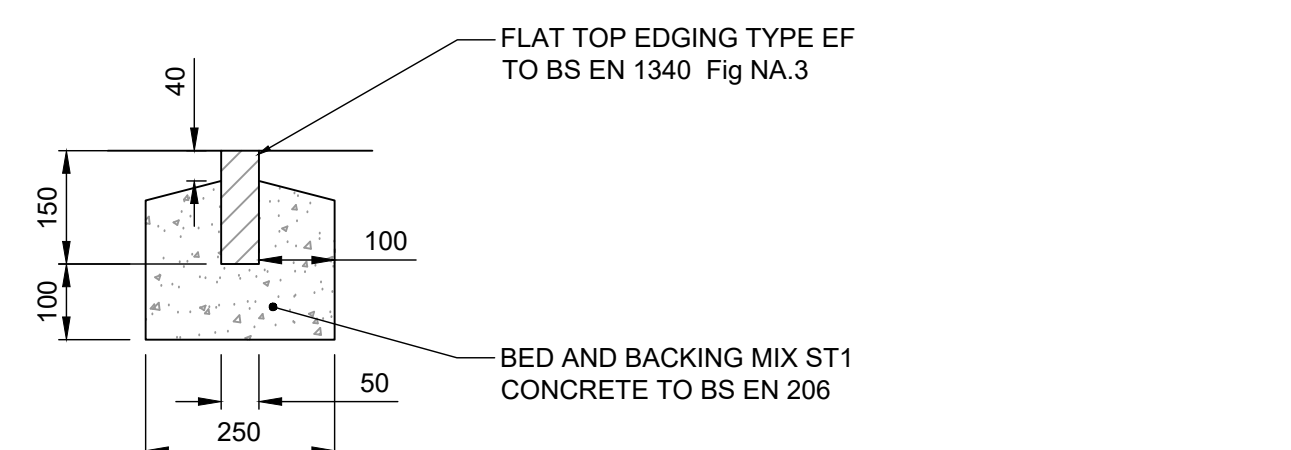


TACTILE PAVING
SCALE 1:10

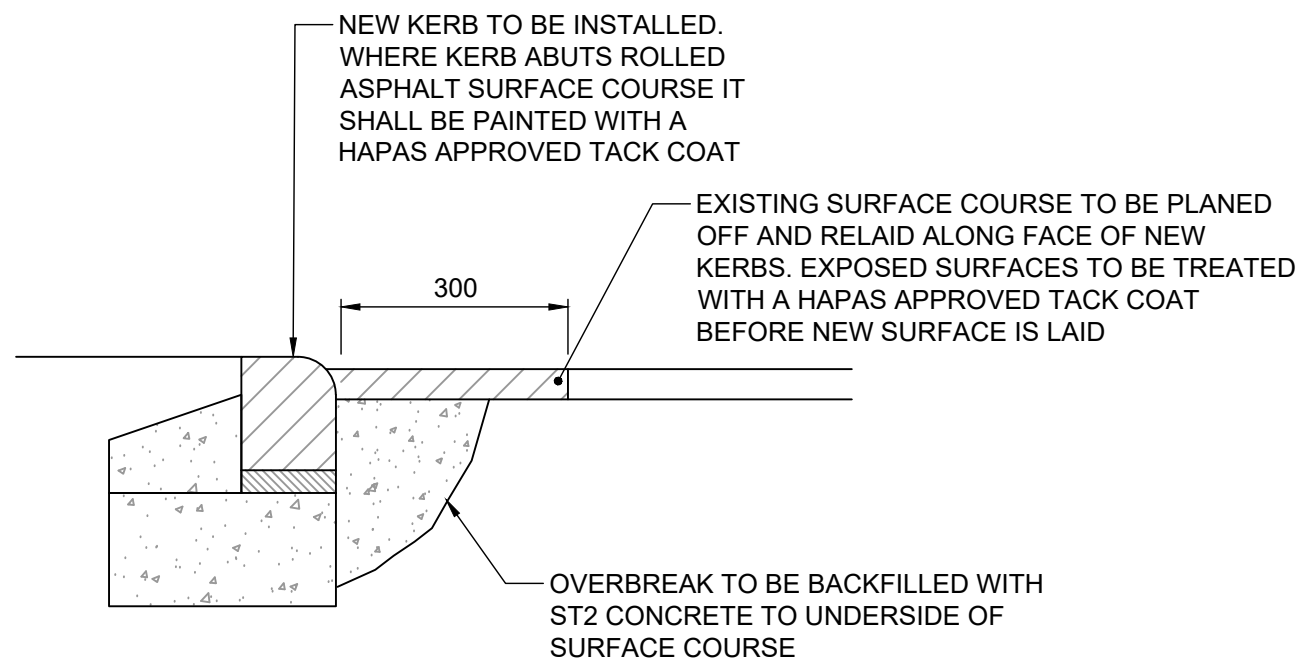
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE		TACTILE PAVING FLAGS 450X450	N/A	70mm	IN ACCORDANCE WITH WBC DETAIL REF: E/SD/1100/18
LAYING COURSE		BEDDING MORTAR DESIGNATION (I)	N/A	40mm	TO CL 2404.
SUB-BASE	803	GRANULAR SUB BASE TYPE 1	N/A	150mm	



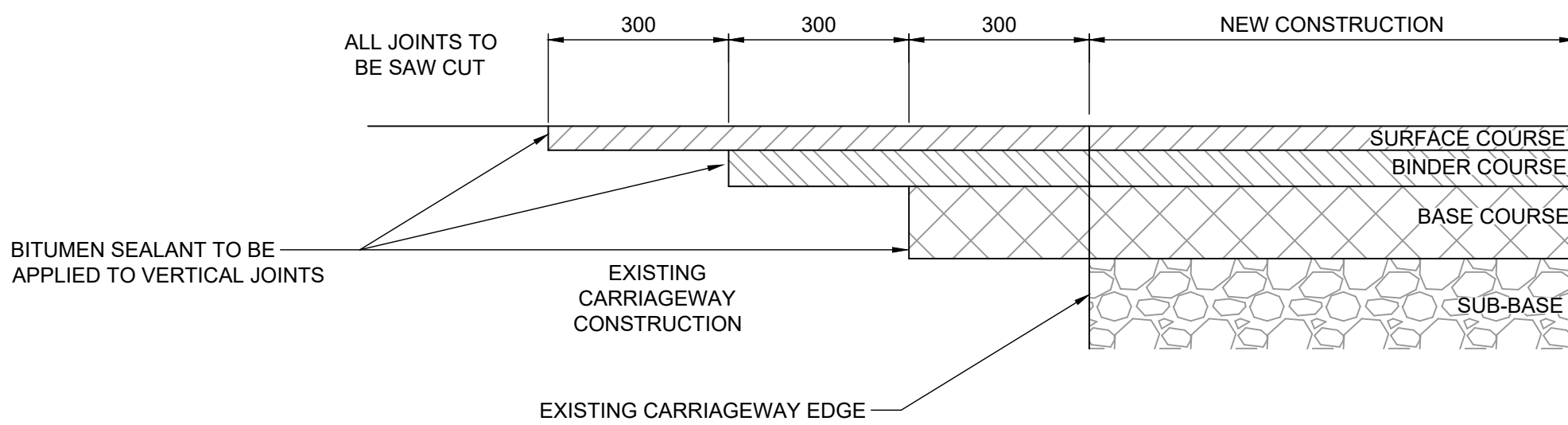
KERB TYPE BN2
SCALE - 1:10



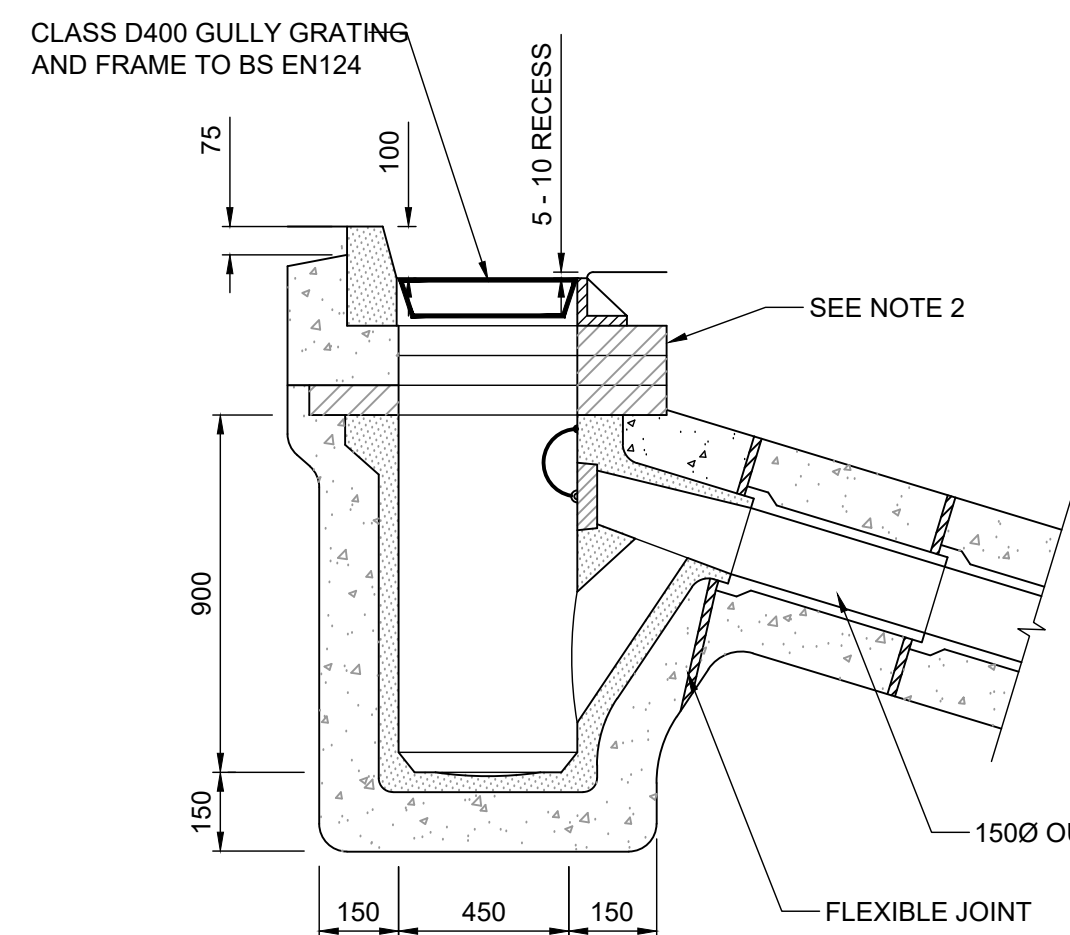
EDGING TYPE EF
SCALE - 1:10



OVERBREAK DETAIL
SCALE - 1:10

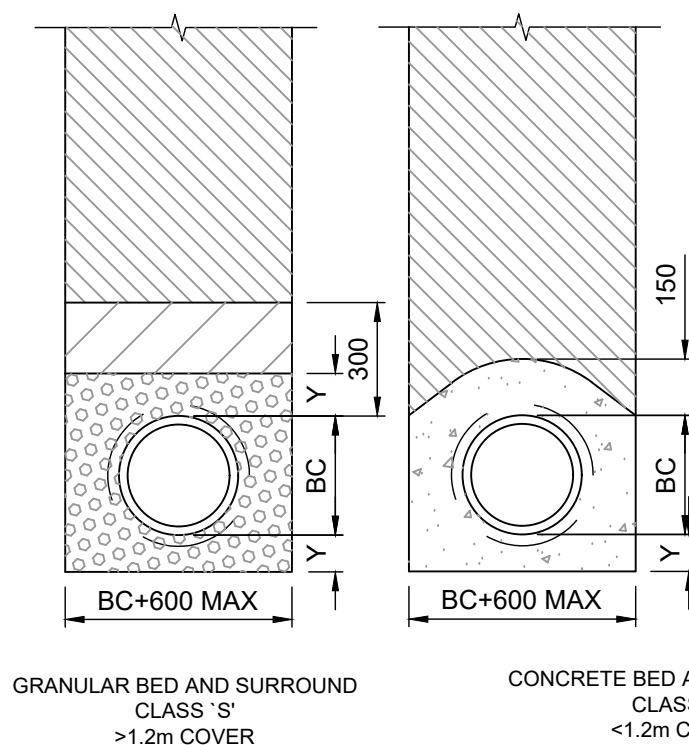


TIE IN DETAIL
SCALE - 1:10



PRECAST CONCRETE ROAD GULLY
SCALE - 1:20

- DUCTILE IRON GULLY GRATING AND FRAME TO BS EN124 LOAD CLASS D400 BEDDED ON 10mm 1:3 SAND/CEMENT MORTAR (NON-ROCK DESIGN).
- COVER AND FRAME TO BE SEATED ON 2 COURSES MIN, 4 COURSES MAX OF ENGINEERING BRICKWORK CLASS "B".
- GULLY POTS TO BE PRECAST CONCRETE TO BS 5911 PART 2 WITH 150mm THICK ST1 CONCRETE FOUNDATION AND SURROUND. OUTLET TO BE 150mm DIA., TRAPPED, WITH GALVANIZED METAL CHAIN AND STOPPER.
- UNLESS OTHERWISE STATED PIPE CONNECTION BETWEEN MAIN RUN AND GULLY CONNECTION TO BE BEDDING TYPE Z.
- MINIMUM WATERWAY OF GULLY TO BE 916cm.



PIPE BEDDING DETAILS
SCALE - 1:20

BC = OUTSIDE DIAMETER OF PIPE.

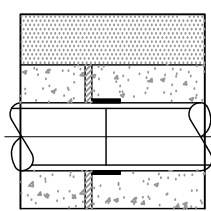
DIMENSION Y:

CLASS	MACHINE DUG UNIFORM SOIL	ROCK OR MIXED SOILS
S	NOTE (i)	NOTE (ii)
Z	NOTE (ii)	NOTE (ii)

(i) Y=BC/6, WITH MIN 100 UNDER BARRELS (50 FOR SLEEVE JOINTED) AND MIN 50 UNDER SOCKETS, WHICHEVER IS THE GREATER, WITH MAX OF 400.

(ii) Y=BC/4, WITH MIN 200 UNDER BARRELS (150 FOR SLEEVE JOINTED) AND MIN 150 UNDER SOCKETS, WHICHEVER IS THE GREATER, WITH A MAX OF 400.

PIPE BEDDING CLASSIFICATIONS ARE DERIVED FROM T.R.R.L. DOCUMENT 'SIMPLIFIED TABLES OF EXTERNAL LOADS ON BURIED PIPELINES.'



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Follow any figured dimensions - do not scale. IF IN DOUBT ASK.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEER'S AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION
- ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH MANCHESTER CITY COUNCIL DESIGN GUIDANCE
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING. ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT IN WRITING
- ALL DIMENSIONS AND LEVELS ARE IN METRES, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL
- ALL HB2 KERBS TO BE INSTALLED WITH 125mm FACE UNLESS NOTED OTHERWISE
- ALL BN KERBS TO BE LAID WITH 0 - 6mm FACE AT PEDESTRIAN CROSSING POINTS
- KERB FACES STATED ABOVE ARE RELATIVE TO FINAL SURFACE COURSE LEVEL
- INSITU CBR TESTING AT PROPOSED FORMATION LEVEL IS TO BE UNDERTAKEN PRIOR TO WORKS. RESULTS TO BE FED BACK TO ENGINEER TO ALLOW DESIGN TO BE UPDATED ACCORDINGLY.

SECTION 278 DRAWING LIST

DRAWING NUMBER	TITLE
562/01/02	GENERAL ARRANGEMENT
562/01/03	PAVEMENT CONSTRUCTION, KERBING AND STREET FURNITURE
562/01/04	FINISHED SURFACE LEVELS
562/01/05	LONGITUDINAL AND CROSS SECTIONS
562/01/06	ROAD MARKINGS AND SIGNAGE
562/01/07	DRAINAGE AND SERVICES
562/01/08	CONSTRUCTION DETAILS
562/01/09	SITE CLEARANCE
562/01/10	RISK MANAGEMENT
562/01/11	SWEEP PATH ANALYSIS

Revision History		Date
P1	ISSUED FOR TECHNICAL APPROVAL	07/11/22
P2	UPDATED FOLLOWING MCC COMMENTS	10/02/23

Lymedale Business Centre Horseshoe Hall Road Newcastle-under-Lyme Staffordshire ST5 2DP 01782 827029 www.cameron-rose.co.uk		 CAMERON ROSE ASSOCIATES	
client:		Aldi Stores Limited	
project:		Victoria Avenue East Moston	
drawing title:		Section 278 Works Construction Details	
scale(s): AS SHOWN	date: 31/10/22	drawn by: TS	checked: IJM
drawing number: 562/01/08		status: TECH APPROVAL	
xrefs: X_Kerbs X_Proposed Works X_Proposed Site Layout X_Road Markings X_Site Boundary X_Topo_2D		rev: P2	

DATE PRINTED: