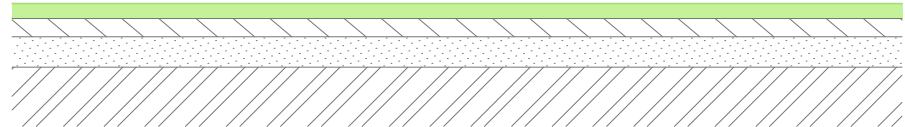
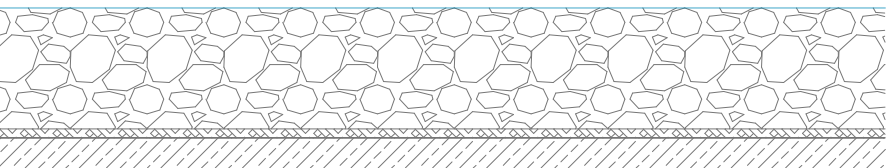


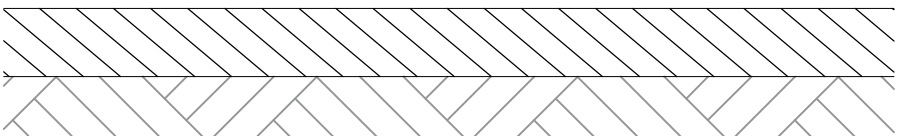
10 cm - Caution as distortion can occur.
ALL CIVIL DIMENSIONS ARE IN METRES - ALL STRUCTURAL DIMENSIONS ARE IN MILLIMETRES - ALL LEVELS ARE IN METRES.



CONSTRUCTION A



CONSTRUCTION B



CONSTRUCTION C: RIGID

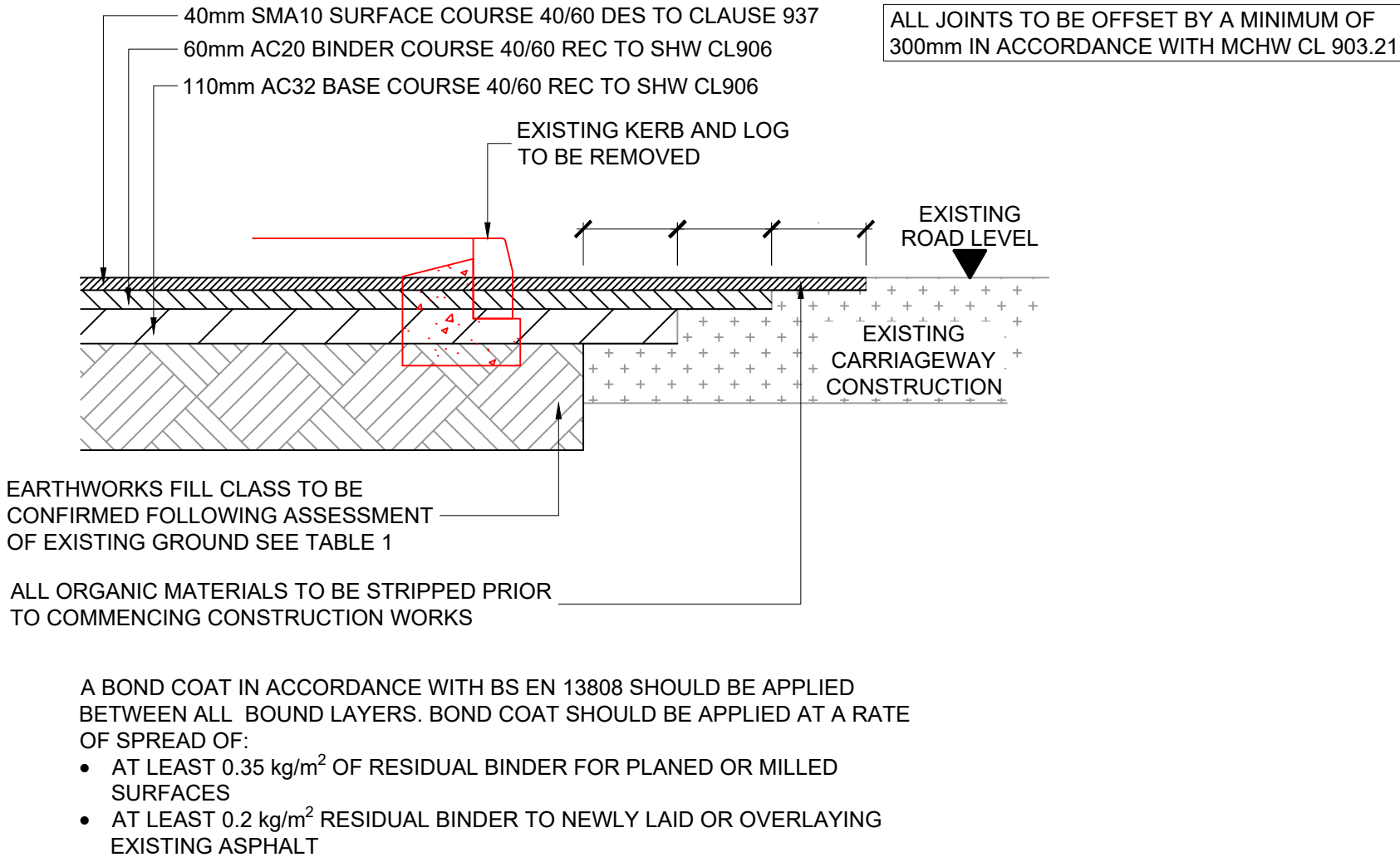
SCALE 1:25

CONSTRUCTION A - PROPOSED FLEXIBLE PAVEMENT CONSTRUCTION						
HATCH	COURSE	THICKNESS	MATERIAL	PEN	CLAUSE	SPECIAL REQUIREMENTS
	SURFACE	25mm	AC 10 DENSE SURF	100/150	BS EN 13108-1	-
	BINDER	60mm	AC 20 DENSE BIN	100/150	BS EN 13108-1	-
	BASE	100mm	AC 32 DENSE BIN	100/150	BS EN 13108-1	-
	FOUNDATION	SEE TABLE BELOW	SEE TABLE BELOW	-	SEE TABLE BELOW	SEE 'FOUNDATION CONSTRUCTION DETAILS' TABLE BELOW

CONSTRUCTION B - PROPOSED GRAVEL FILLED ECOGRID						
HATCH	COURSE	THICKNESS	MATERIAL	PEN	CLAUSE	SPECIAL REQUIREMENTS
	GRAVEL LAYER	400mm	MOT TYPE 3 SUBBASE GRAVEL	-	-	-
	GEOMEMBRANE	-	-	-	-	-
	EXISTING SOIL LAYER	-	-	-	-	EXCAVATED TO 1-1.5% FALLS TO A GOOD DRAINAGE POINT

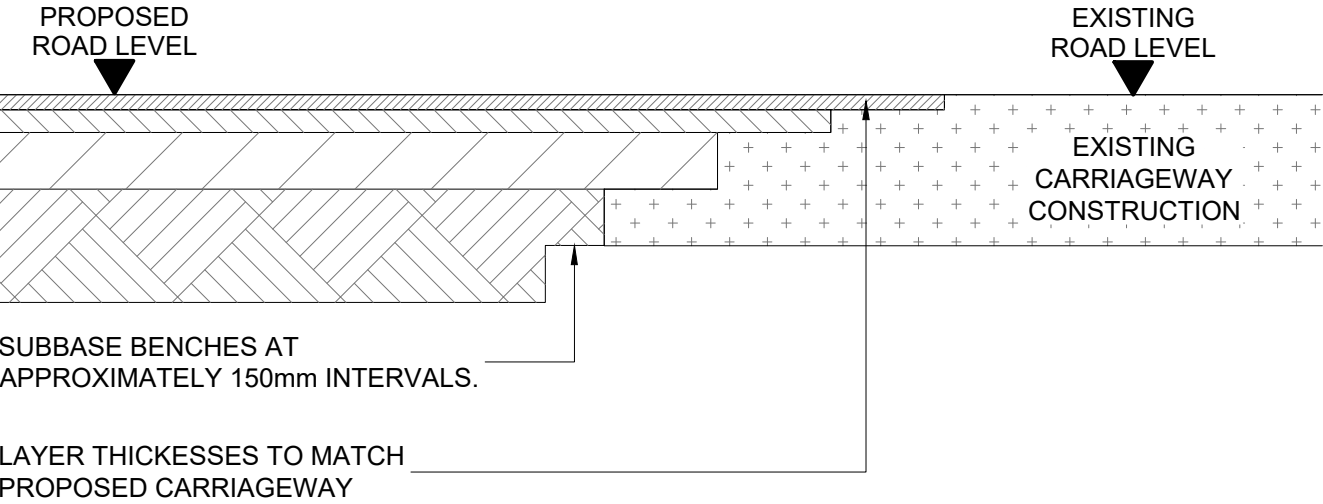
CONSTRUCTION C: RIGID						
HATCH	COURSE	THICKNESS	MATERIAL	PEN	CLAUSE	SPECIAL REQUIREMENTS
	BASE	175mm	C32/40 CONCRETE	-	-	1 NO. LAYER A252 MESH FABRIC
	FOUNDATION	150mm	TYPE 1 HA SUBBASE	-	SHW CLAUSE 803	SUBGRADE TO ACHIEVE A MINIMUM CBR OF 3% GEOTEXTILE MEMBRANE LAYER TO BE LAID ABOVE SUBGRADE

FOUNDATION CONSTRUCTION DETAILS		
MPa (CBR) VALUE	SUBBASE ONLY THICKNESS	SUBBASE AND CAPPING THICKNESS
< 30 MPa (2.5%)	N/A	For MPa LESS THAN 30 (2.5% CBR), REMEDIATION OF SUBGRADE REQUIRED
30 MPa (2.5%)	420mm Type 1	430mm 6F5 CAPPING AND 250mm TYPE 1 SUBBASE
50 MPa (5%)	270mm TYPE 1	250mm 6F5 CAPPING AND 200mm TYPE 1 SUBBASE
75 MPa (10%)	230mm TYPE 1	220mm 6F5 CAPPING AND 150mm TYPE 1 SUBBASE
100 MPa (15%) AND ABOVE	200mm TYPE 1	150mm 6F5 CAPPING AND 150mm TYPE 1 SUBBASE



A BOND COAT IN ACCORDANCE WITH BS EN 13808 SHOULD BE APPLIED BETWEEN ALL BOUND LAYERS. BOND COAT SHOULD BE APPLIED AT A RATE OF SPREAD OF:

- AT LEAST 0.35 kg/m² OF RESIDUAL BINDER FOR PLANED OR MILLED SURFACES
- AT LEAST 0.2 kg/m² RESIDUAL BINDER TO NEWLY LAID OR OVERLAYING EXISTING ASPHALT



JOINTING INTO EXISTING ROAD SURFACING

SCALE 1:20

DETAIL A: PAVEMENT AND JOINTING

2 MSA AND DESIGN CBR 2.5%

SCALE 1:20



USKMOUTH ENERGY STORAGE PROJECT

- DRAWING NOTES:
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS (MCHW).
 - ALL BOND COATING SHALL BE APPLIED IN ACCORDANCE WITH SERIES 900 SPECIFICATION OF MCHW.

REV	DESCRIPTION	DATE	DRW	CHK	APP
S3-P2.0	INCLUDED REINSTATEMENT DETAILS	17/04/25	JAH	TD	DP
S3-P1.3	ORIGINAL ISSUE	23/08/24	JD	SL	DDH

SERIES 700 - ROAD PAVEMENTS
BANKING COMPOUND
PAVEMENT DETAILS

Burroughs Project No.: 50679-00 Scale: NTS Original Paper Size: A1

Drawing Number: 50679-BUR-HPV-XX-DR-C-0751

Status: S3 - FOR REVIEW & COMMENT
Revision: P2.0 - INCLUDED REINSTATEMENT DETAILS

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