

HEAVY DUTY CARRIAGEWAY CONSTRUCTION				
LAYER	MATERIAL	GRADE OF BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	HRA 30/14 F SURF (BS EN 13108 : PART 4)	40/60	45mm	COATED BLACK CHIPPINGS 14mm NOMINAL SIZE. MINIMUM PSV = 60, APPLIED AT A RATE OF 9.0±1.0 kg/m². TEXTURE DEPTH 0.8mm (SAND PATCH)
BINDER COURSE	AC 20 HDM BIN (BS EN 13108 : PART 1)	100/150	70mm	
BASE	AC 32 DENSE BASE (BS EN 13108 : PART 1)	100/150	100mm	
SUB-BASE	GRANULAR TYPE 1 MATERIAL (D.O.T. CLAUSE 803)	–	**150mm	
CAPPING LAYER	CLASS 6F2 MATERIAL (REFER TO GRADING SPECIFICATION TABLE)	–	**400mm	
TOTAL PAVEMENT THICKNESS			765mm	

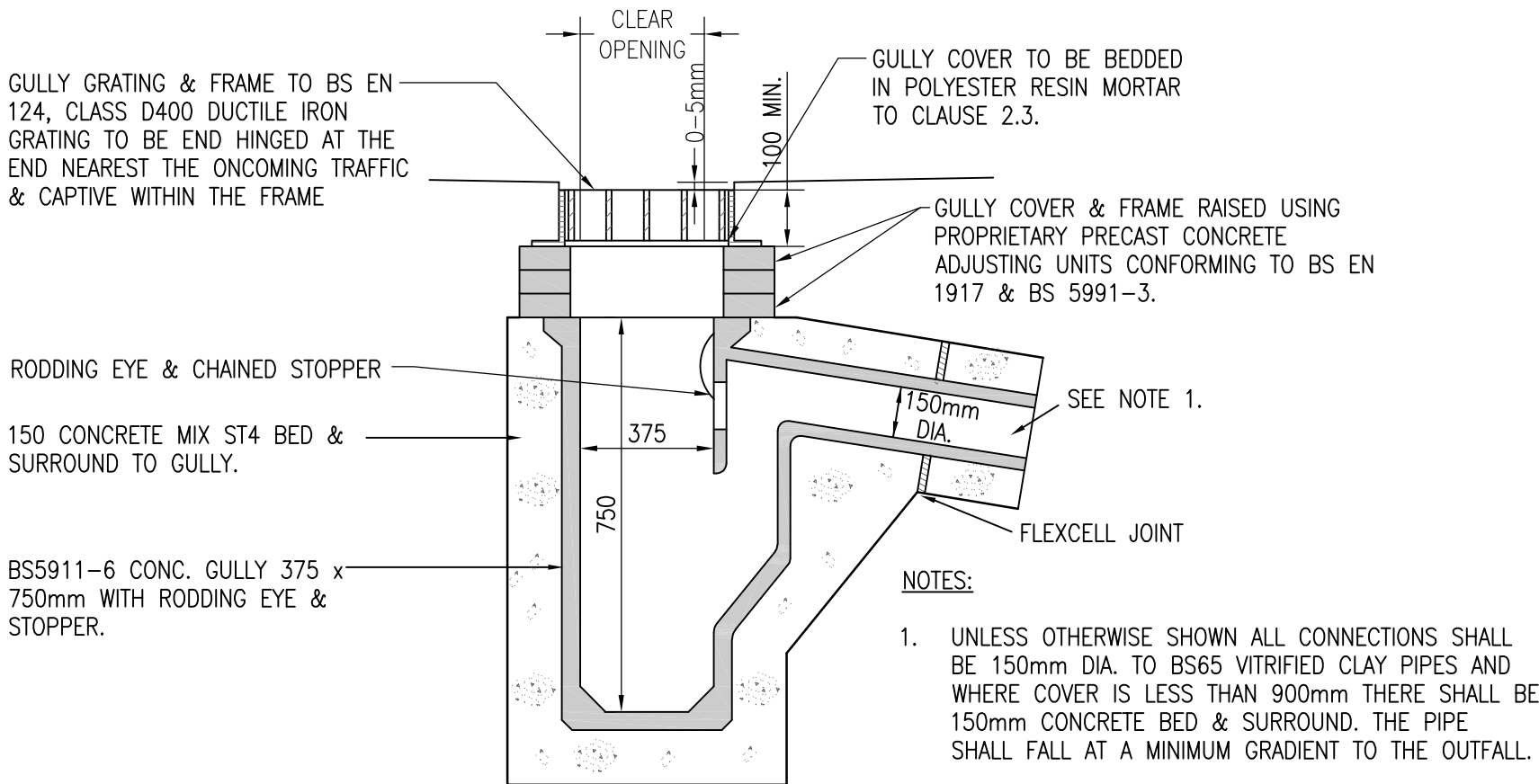
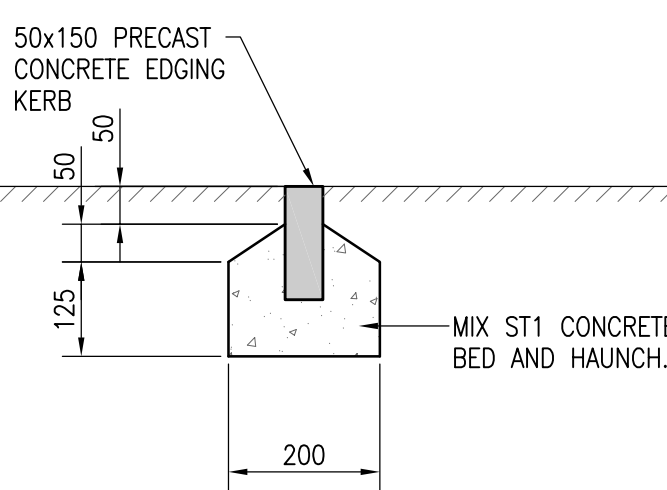
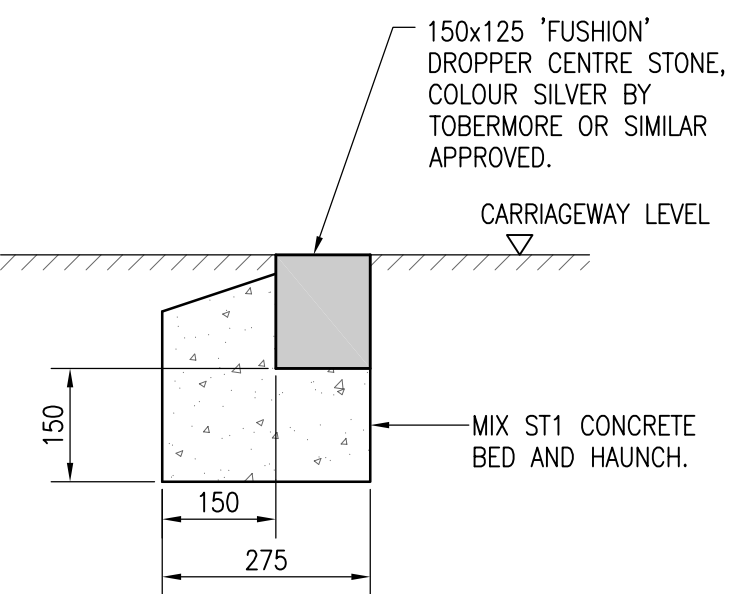
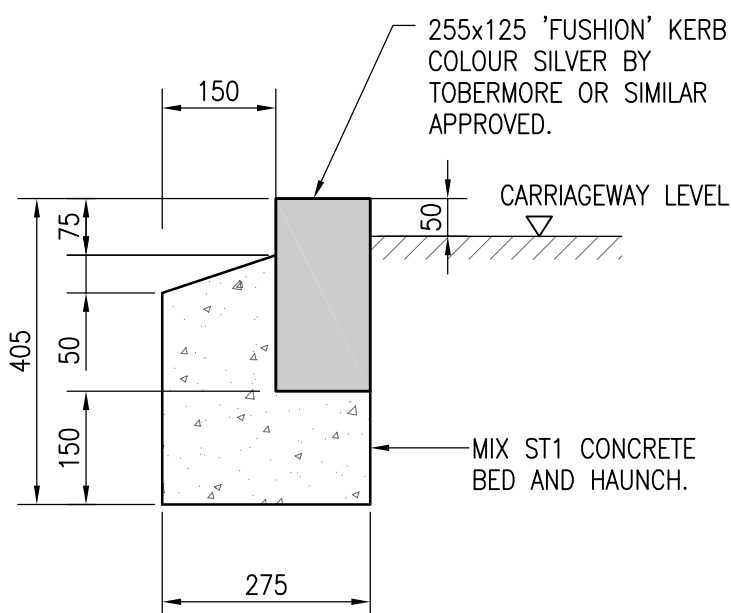
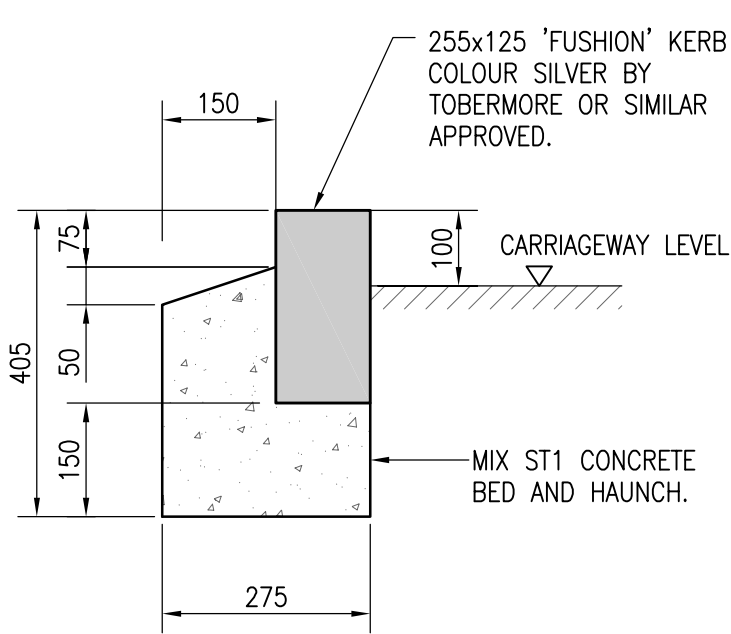
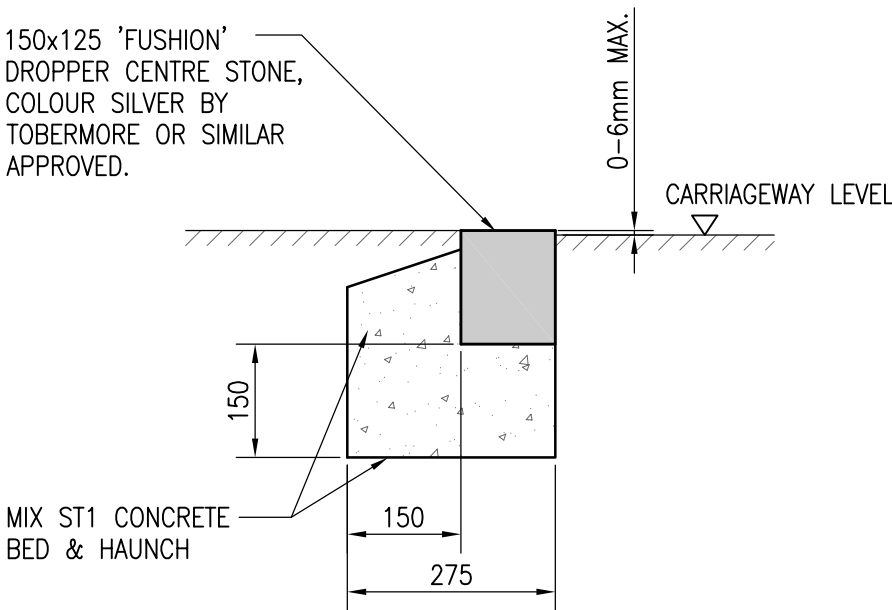
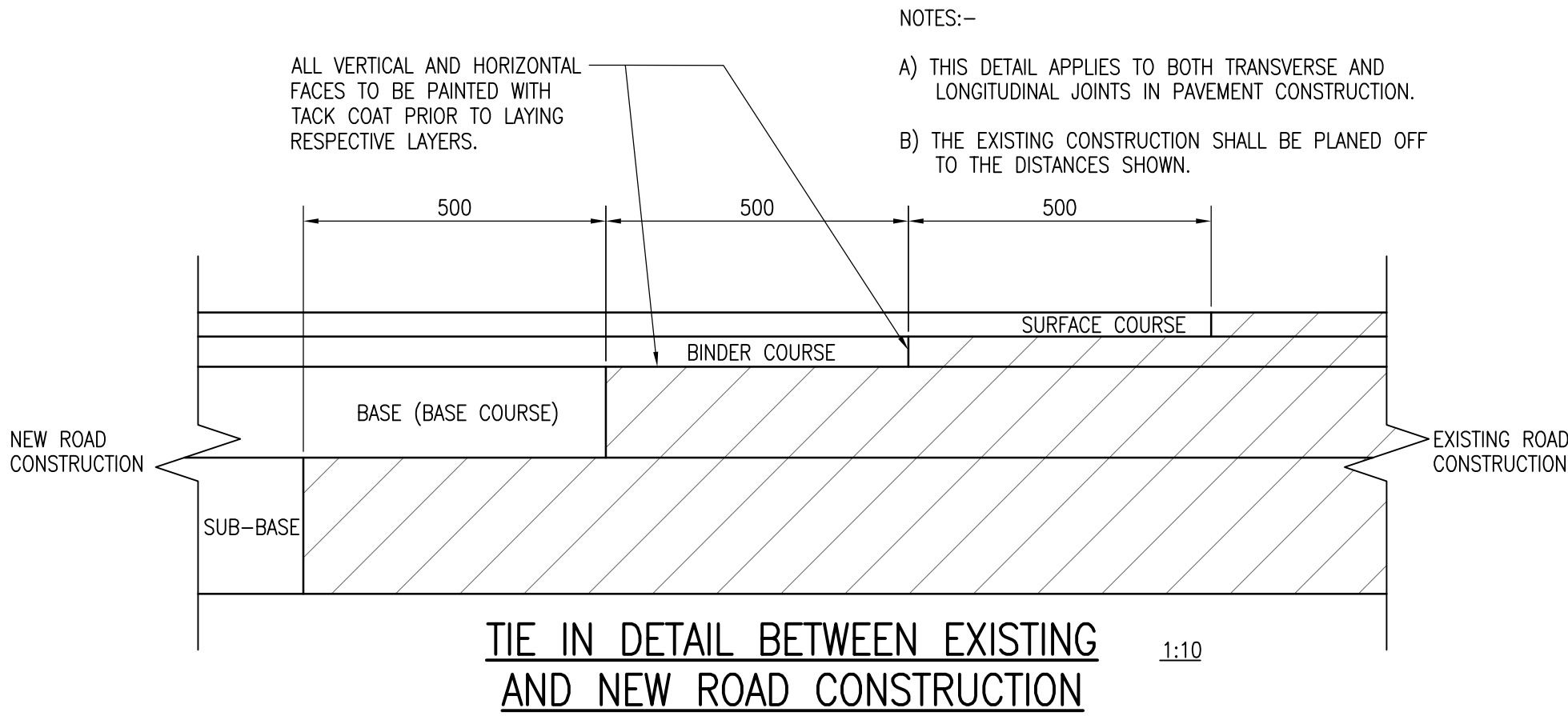
NATURAL STONE PAVING CONSTRUCTION				
LAYER	MATERIAL	GRADE OF BINDER	THICKNESS	SPECIAL REQUIREMENTS
WEARING LAYER	450/600/750mm x LENGTH NATURAL STONE PAVING	–	100mm	PENNANT YORK STONE FLAGS BY 'HARDSCAPE' OR SIMILAR APPROVED, <u>LAI</u> D STACK BOND
LAYING COURSE	4:1 SAND / CEMENT MORTAR BED (12 HOUR RETARDED)	–	50mm	
BASE	WET LEAN CONCRETE TYPE ST2 (D.O.T. CLAUSE 1001, TABLE 10/1)	–	200mm	
CAPPING LAYER	GRANULAR TYPE 1 MATERIAL (D.O.T. CLAUSE 803)	–	**75mm	AS REQUIRED
TOTAL PAVEMENT THICKNESS			425mm	

GRADING SPECIFICATION TABLE FOR CAPPING LAYER

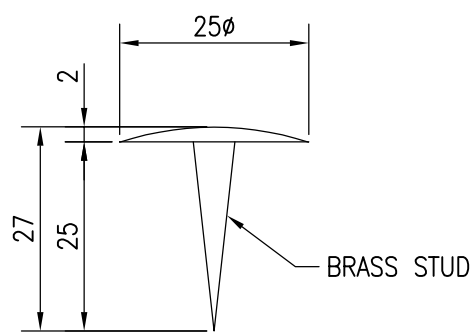
6F2 GRADING SPECIFICATION	
SIEVE SIZE	% PASSING
125mm	100
90mm	80–100
75mm	65–100
37.5mm	45–100
10mm	15–60
5mm	10–45
600 micron	0–25
63 micron	0–12

NOTE:–
SITE WON CRUSHED MATERIALS TO BE USED FOR CAPPING WHERE PRACTICAL

- NOTES:–
- CAPPING LAYER THICKNESS ASSUMES A MINIMUM SUB-GRADE CBR OF 2.5%, IF SUB-GRADE CBR IS LESS THAN 2.5% ADDITIONAL CAPPING WILL BE REQUIRED.
 - **NO MATERIAL WITHIN 450mm OF THE FINISHED ROAD / FOOTWAY SURFACE SHALL BE FROST SUSCEPTIBLE. MATERIALS USED IN CAPPING LAYERS SHALL COMPLY WITH THE SPECIFICATION FOR HIGHWAY WORKS TABLE 6/1.



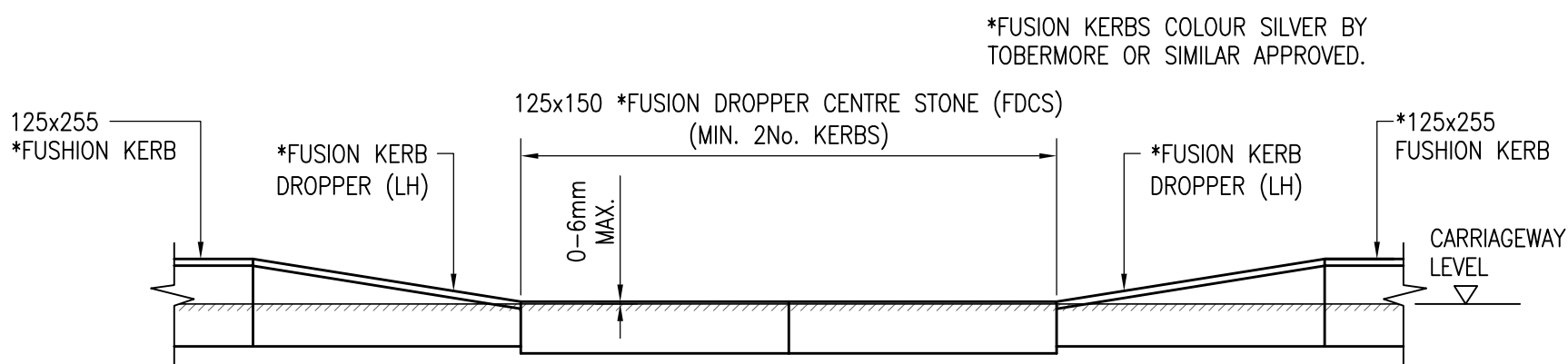
ROAD GULLY DETAIL



- NOTES:
- HOLES TO BE DRILLED INTO PAVING AREA.
 - STUDS TO BE SECURED WITH AN EPOXY RESIN GLUE.
 - STUDS TO BE AT 1000mm MAX CENTRES, BUT ALWAYS AT A CORNER RETURN.
 - LAYOUT OF STUDS AS DETAILED ON SCHEME LAYOUT DRAWING.

BRASS STUD DETAIL

1:1



PEDESTRIAN DROPPED CROSSING DETAIL (PDC)

1:20

Do not scale from this drawing.
SAFETY HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO.
CONSTRUCTION - RESTRICTED SITE/CONFINED SPACES - GROUND WATER/INUNDATION
DEMOLITION
FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

P04	07/02/23	NATURAL STONE PAVING TO BE LAID STACK BOND FOLLOWING COMMENT FROM MANCHESTER CITY COUNCIL.	DAS	JRT	JRT
P03	18/02/24	EDGING KERB DETAIL ADDED. PAVING FLAG THICKNESS INCREASED TO 100mm THICKNESS FOLLOWING COMMENT FROM M.C.C.	DAS	JRT	JRT
P02	04/06/24	FUSION DROPPER CENTRE STONE FDCS REFERENCE ADDED TO MATCH REVISED KERBING LAYOUT REFERENCE.	DAS	JRT	JRT
P01	10/04/24	CLIENT UPDATED. DETAILS ADDED & DETAILS REMOVED FOLLOWING COMMENTS FROM MANCHESTER CITY COUNCIL.	DAS	JRT	JRT
Rev.	Date	Description	Drwn.	Chkd.	Appd.

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**united living**
new homes

Project Title:

1 NQ & CLEMENTS BUILDING
TARIFF STREET
MANCHESTER

Drawing Title:

SECTION 278
CONSTRUCTION DETAILS

Scale of A1:	Status:	
AS SHOWN	Preliminary	
Drawn:	Checked:	Approved:
DS	JRT	JRT
Date:	Date:	Date:
09/10/23	08/01/24	08/01/24
Drawing No.:		
143404–FAI–EX–EX–DR–H–01003–P04		