

DUCT DEPTHS OF COVER – (DoC)

MINIMUM DoC TO BE IN ACCORDANCE WITH CURRENT LN 550 SPEC.N AND INDUSTRY STANDARD GUIDELINES AND APPROVED BEST PRACTICES: –

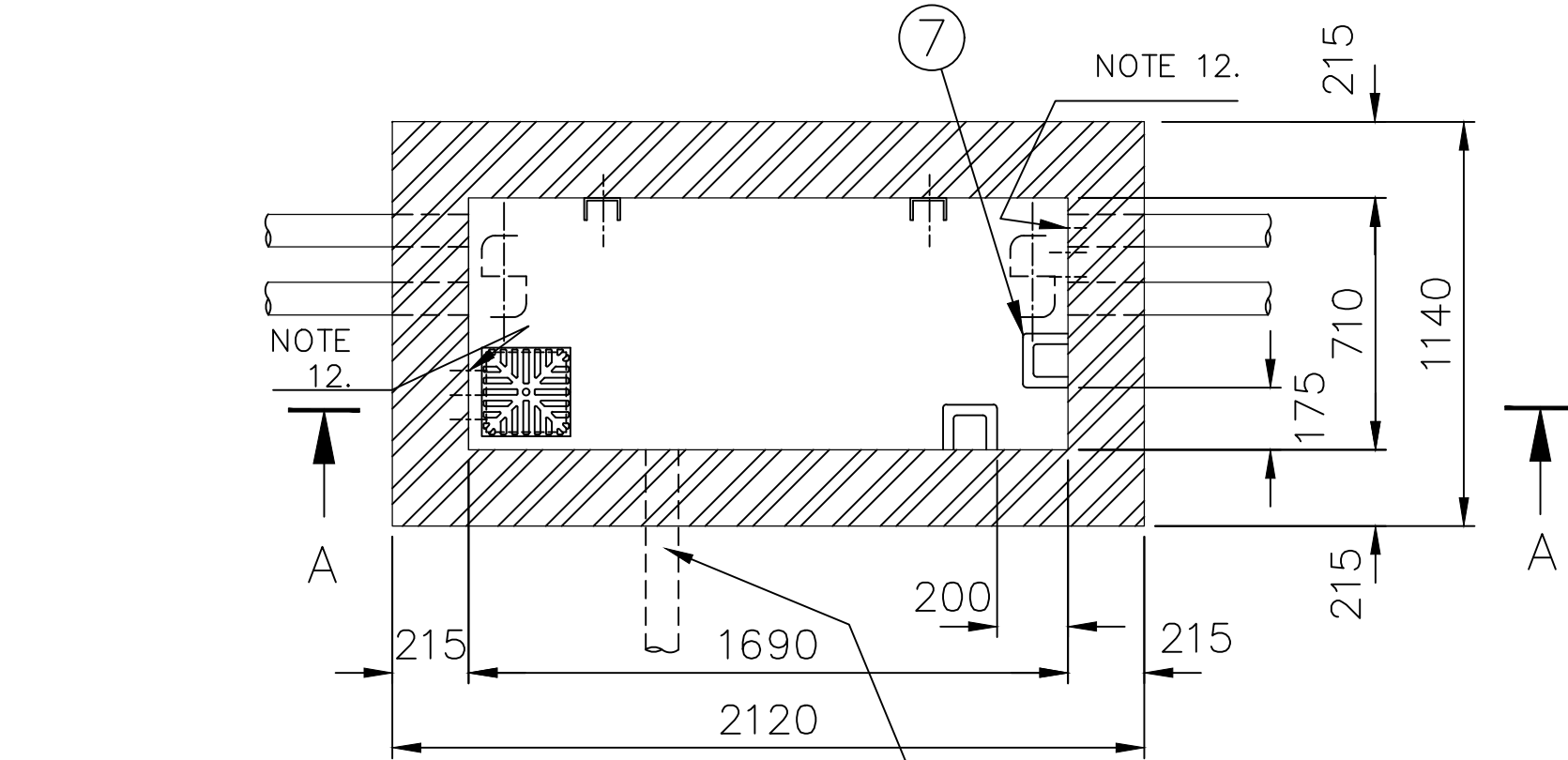
FOOTWAY (F/W) 250mm (MIN)
CARRIAGEWAY (C/W) 450mm (MIN) **

** SUBJECT TO DUCTS BEING INSTALLED BELOW DEPTH OF STRUCTURAL BUILD UP FOR C/W CONSTRUCTION FOR RELEVANT C/W CATEGORY.

SCHEDULE						
ITEM	DESCRIPTION	No. OFF				DRG
		11A	11B	11C	11D	
1	BOLTS, FOUNDATION, INDENTED No.2	CN1166	4	4	4	4
2	CABLE BEARERS, WALL TYPE, No.3	CN1059	2	2	–	–
3	CABLE BEARERS, WALL TYPE, No.5	CN1059	–	–	2	2
4	FRAME & COVER FOOTWAY OR DRIVEWAY No.11C	CN1916	1	1	1	1
5	GRATING, SUMP, No.2	CN1301 2	CN9265	1	1	1
6	IRONS, ANCHOR No.4	CN1262	2	2	2	2
7	STEPS, MANHOLE No1	CN1961	3	3	4	4
8	A393 MESH – 2040x1060	–	1	1	1	1
9	PIN LOCKING CABLE BEARER	CN1302	4	4	4	4
10	BRACKET CABLE BEARER No.12	CN1069	4	4	4	4

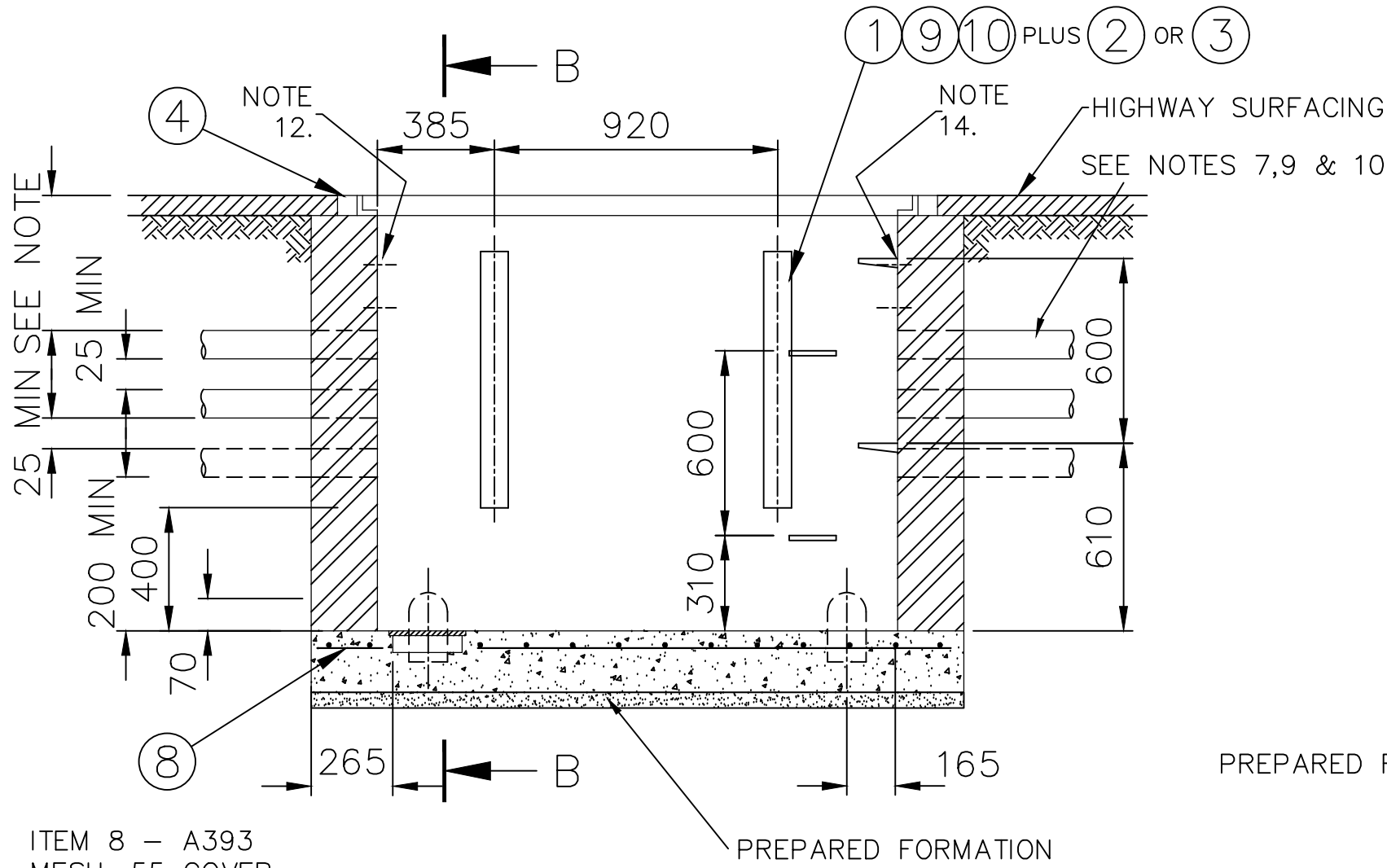
NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, DOCUMENTATION AND SPECIFICATIONS RELATING TO THIS JOINTBOX TYPE CONSTRUCTION.
- WORKMANSHIP, MATERIALS AND METHOD OF CONSTRUCTION ARE TO COMPLY WITH ALL CURRENT RELEVANT CONTRACT DOCUMENTS, EUROCODES, AND CODES OF PRACTICE (RELEVANT TO THE CONSTRUCTION INDUSTRY) AND ACCEPTED CONSTRUCTION PRACTICE.
- ALL EXISTING SERVICES POSITIONS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO STARTING THE WORKS.
- ALL ACCEPTED SAFE DIGGING PRACTICES AND SAFE METHODS OF WORKING ARE TO BE EMPLOYED DURING THE INSTALLATION OF THE JOINTBOX.
- CONCRETE TO BE GRADE C35/45 WITH A WATER CEMENT RATIO 0.4. MIN. CEMENT CONTENT 380kg/m³. AGGREGATE MAX. SIZE 20mm. ALL IN ACCORDANCE WITH BS8500 (BS EN206).
- ALL DUCTS SHOWN ARE BASED ON MAXIMUM RECOMMENDED VALUES FOR DUCT TYPE 54D.
- END DUCTS TO BE IN LINE.
- WHERE POSSIBLE DUCTS TO BE POSITIONED NOT LESS THAN 75mm FROM A SIDE WALL.
- MINIMUM REQUIRED DUCTS SHOWN SOLID FOR EACH JOINTBOX VARIATION. ADDITIONAL DUCTS SHOWN DOTTED.
- SHORT LENGTHS OF DUCTS 54D TO BE USED ON NON-DUCTED ROUTES, APPROPRIATE DUCT TO BE USED ON DUCTED ROUTES.
- ITEMS 1&2 ARE SHOWN IN TYPICAL POSITIONS, THEY MAY BE REPOSITIONED OR INCREASED TO SUIT LOCAL CONDITIONS.
- DRILL 2 SET OF 3 HOLES USING A 12mm MASONRY DRILL BIT TO A DEPTH OF 80mm FOR POSSIBLE FUTURE FITTING OF MOBRA BRACKET, SEE DRAWING CN15562 FOR DRILLING DETAILS.
- IF OTIAN MOBRA BRACKET IS TO BE FITTED, LEAVE OUT WALL TYPE BEARERS AND STEPS. BOLTS FOUNDATION FOR WALL TYPE BEARERS SHOULD BE FITTED.
- STEP MANHOLE TO BE FITTED IN ALL BOXES DEEPER THAN 700mm. THE STEP TO BE PROVIDED IN THE POSITION SHOWN ON THE END WALL REMOTE FROM ANY SIDE ENTRY DUCT.
- FOR METHOD OF FIXING ITEM 4 SEE DRAWING CN1961.
- BRICKS USED TO BE (MINIMUM) CLASS B ENGINEERING BRICKS. MORTAR TO BE CLASS (iii) 1:5 CEMENT:SAND RATIO (MAXIMUM) OR 1:1:5 CEMENT:LIME:SAND.
- BRICKS AND MORTAR TO BE IN ACCORDANCE WITH BS EN1996.
- 1N' LAYER A393 FABRIC MESH REINFORCEMENT IN TOP OF THE SLAB MINIMUM COVER 55mm TO ANY CONCRETE FACE. PROPRIETARY SPACERS TO BE USED.
- MESH TO BE GRADE B500B OR B500C CONFORMING TO BS4483.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW) AND ALL SUBSEQUENT AMENDMENTS.
- ALL BACKFILL MATERIAL TO BE CLASS 6N TYPE.



4 DUCTS CAN BE PROVIDED IN 111A–C
6 DUCTS CAN BE PROVIDED IN 111D
3 ADDITIONAL DUCTS IF REQUIRED.
DUCTS LOCATED VERTICALLY, 100mm
BETWEEN DUCTS. SEE NOTES 9&10.

PLAN



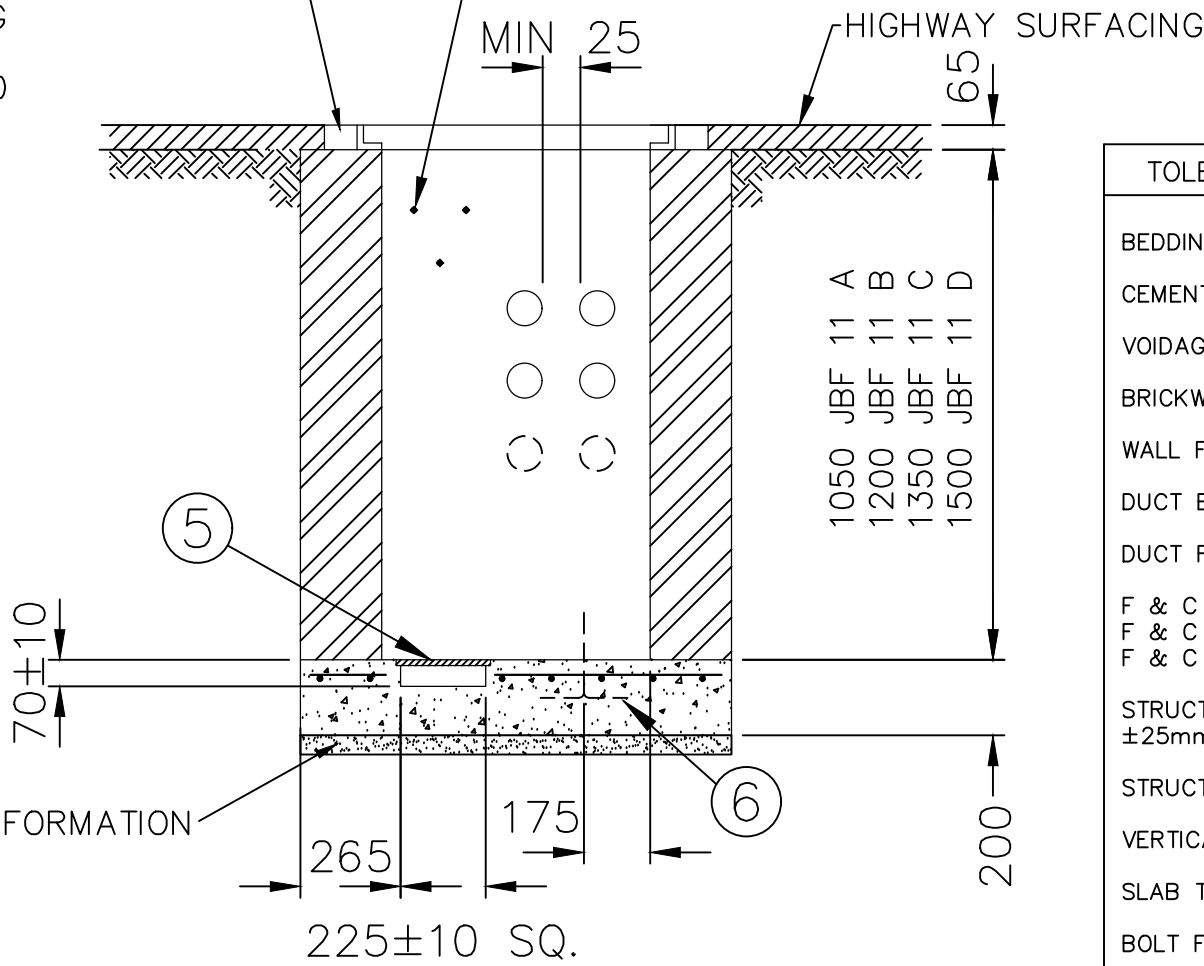
ITEM 8 – A393
MESH, 55 COVER
TO TOP & SIDES
CUT HOLE AT SUMP

SECTION A–A

ANY MODIFICATION TO THE DRAWING
OR THE USE OF ALTERNATIVE
ITEMS TO THOSE SPECIFIED MUST
BE AGREED WITH THE DESIGNER.

CONSTRUCT CONCRETE GRADE C35/45
SURROUND AS REQUIRED,
100mm MIN FOR UNPAVED
SURFACE, TO DEPTH OF FRAME

1 SET OF 3–HOLES
(2ND SET OTHER SIDE)
SEE NOTE 13.



TOLERANCES: – CN15456	
BEDDING MATERIAL	±5mm
CEMENT MORTAR	–20mm
VOIDAGE	0.5%
BRICKWORK MORTAR JOINTS	±5mm
WALL FLATNESS	±11mm
DUCT ENTRY POSITION	±25mm
DUCT FLUSH WITH WALL	–10mm
F & C ROCKING	NIL
F & C SURROUND IN UNMADE	±5mm
F & C UNSUPPORTED OVER BOX	+5mm
STRUCTURE INTERNAL LENGTH & WIDTH	±25mm
STRUCTURE INTERNAL HEIGHT	±15mm
VERTICALITY OF WALLS	±15mm
SLAB THICKNESS	–10 TO +150mm
BOLT FOUNDATION	±5mm

SECTION B–B

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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DO NOT SCALE

ORIGINAL SCALE 1:20

A2 A3	DRN B.A.(PIPCO CKD M.S.	MATERIAL —	General Drawing Review Note added re minimum duct depths. Minor drafting mods	M	JOINT BOX FOOTWAY JBF 111 A,B,C & D		REFERENCES SPEC LN 550 CN15562		
	CERTIFICATION DESIGNER J.VERONA CLIENT MAZZ DARIOS	FINISH —							
DATE 27/07/94			BT	T&S Design 11.07.19	Openreach		ALA944	CN 14983	SHT 03 OF 03
			AMENDMENT		ISSUE				