

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

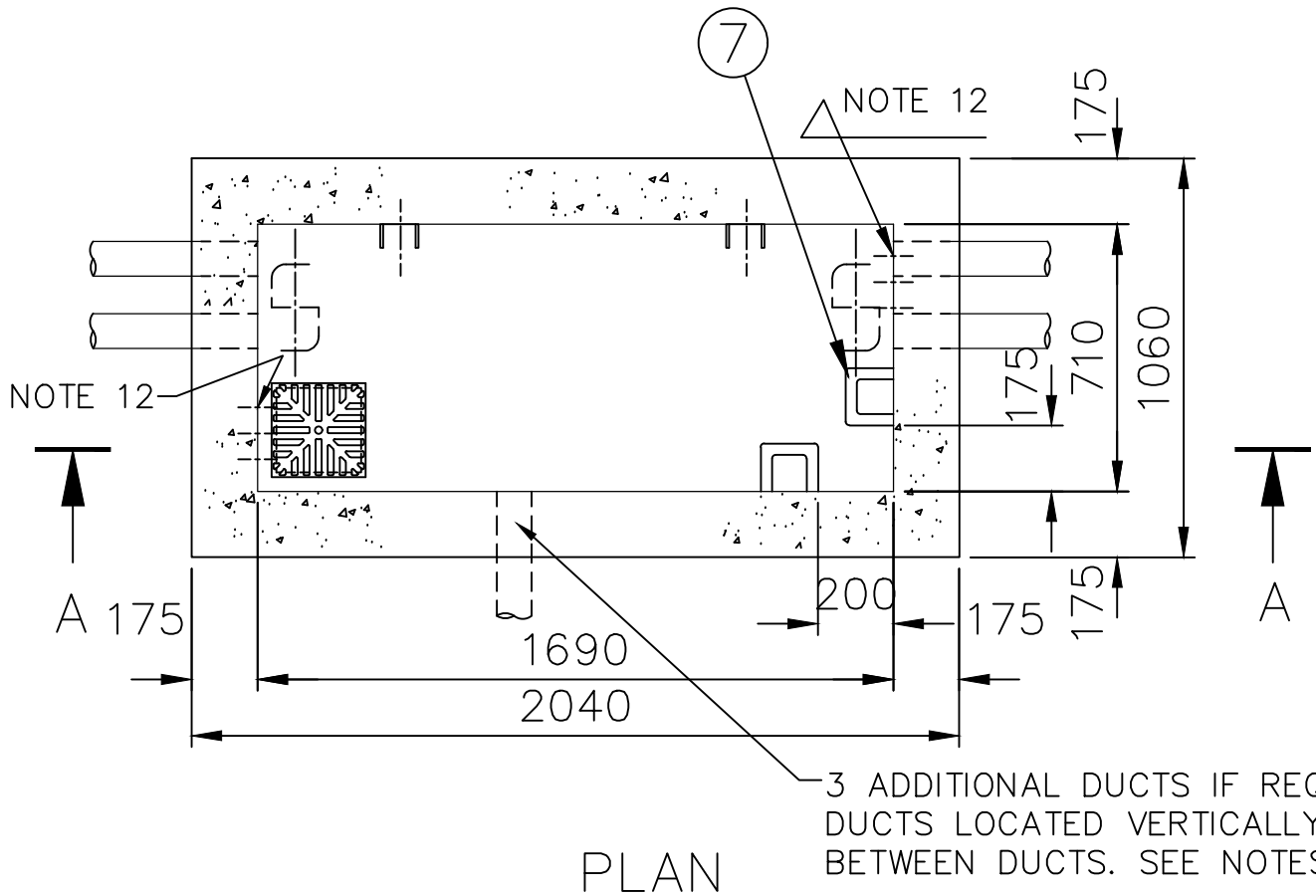
DUCT DEPTHS OF COVER – (DoC)

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) \*\*

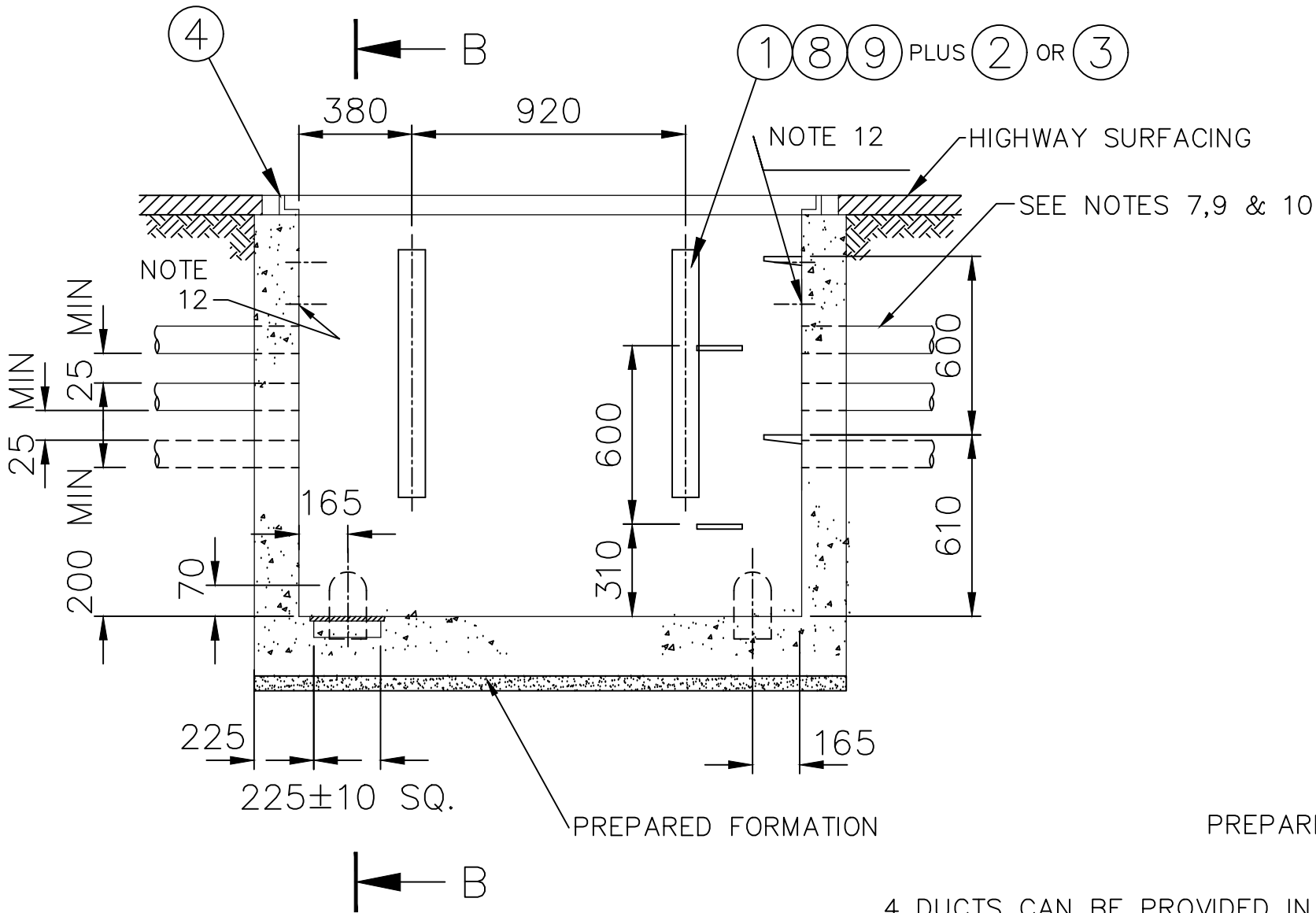
\*\* SUBJECT TO DUCTS BEING INSTALLED BELOW DEPTH OF STRUCTURAL BUILD UP FOR C/W CONSTRUCTION FOR RELEVANT C/W CATEGORY.

SCHEDULE						
ITEM	DESCRIPTION	No. OFF				
		DRG	11A	11B	11C	10D
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	CN9165	1	1	1	1
6	IRONS, ANCHOR No.4	CN1162	2	2	2	2
7	STEPS, MANHOLE No1	CN1961	3	3	4	4
8	PIN LOCKING CABLE BEARER	CN1302	4	4	4	4
9	BRACKET CABLE BEARER No.12	CN1069	4	4	4	4



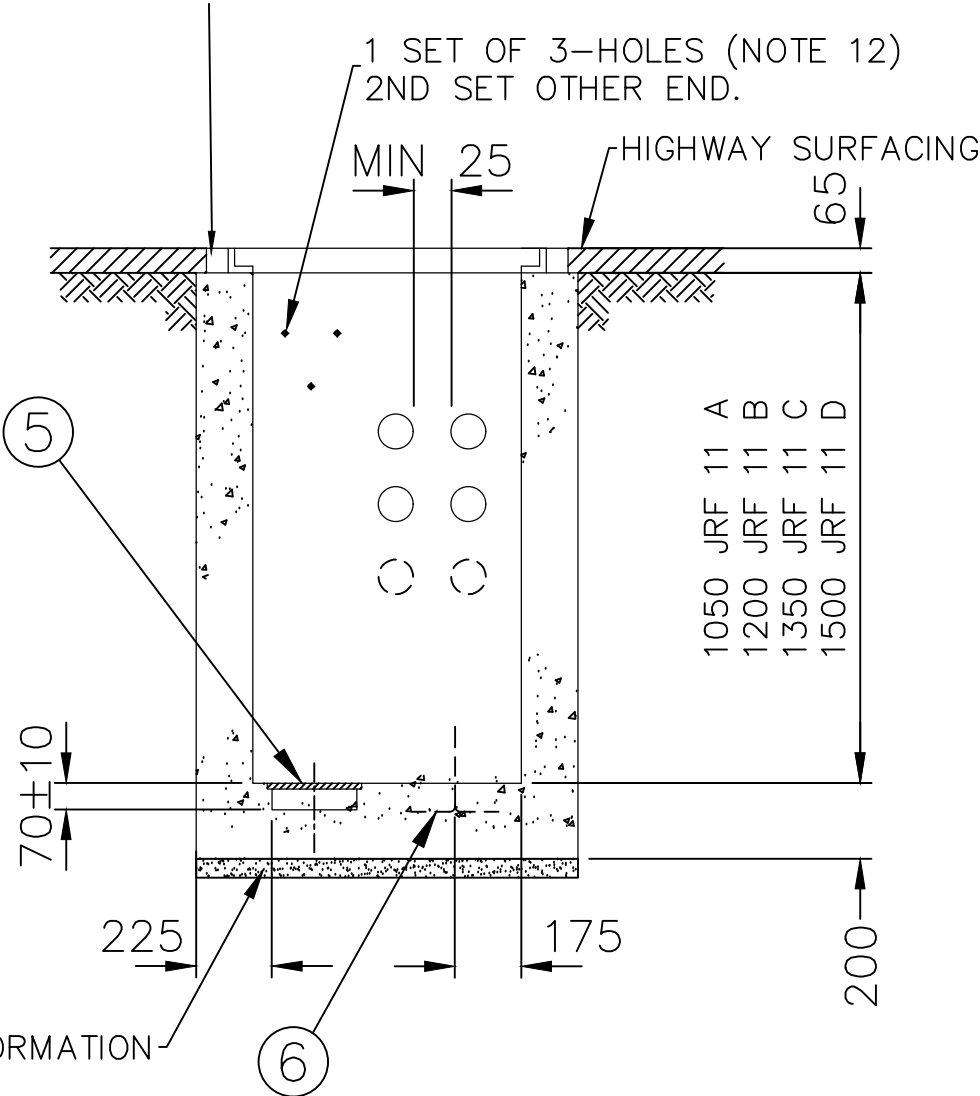
PLAN

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



SECTION A–A

- 4 DUCTS CAN BE PROVIDED IN 111A–C
- 6 DUCTS CAN BE PROVIDED IN 111D



SECTION B–B

- 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.
  - 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.
  - SEE SHEET 02 OF 02 FOR REINFORCEMENT DETAILS AND NOTES.
  - ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW) AND ALL SUBSEQUENT AMENDMENTS.
  - ALL BACKFILL MATERIAL IS TO BE CLASS 6N TYPE.
  - ALL CONSTRUCTION JOINTS TO BE AS PER CLAUSE 1710 SHW.

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

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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DO NOT SCALE

ORIGINAL SCALE 1:20

A2 A3	DRN B.S.(PIPCO) CKD M.S.	MATERIAL —	General Drawing Review Note added re minimum duct depths. Minor drafting mods	L		JOINT BOX FOOTWAY JRF 111 A,B,C & D		REFERENCES SPEC LN 550 BS8500, (BS EN206) CN15562	
	CERTIFICATION DESIGNER J.VERONA CLIENT MAZZ DARIOS	FINISH —							
	BT							T&S Design 11.07.19	
DATE 27/07/97			AMENDMENT	ISSUE	Openreach	ALA944	CN 14983	SHT 01 OF 03	