

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.

TOLERANCES:– CN15456

BEDDING MATERIAL +5mm  
CEMENT MORTAR –20mm

VOIDAGE 0.5%

WALL FLATNESS ±11mm

DUCT ENTRY POSITION 10mm TO 25 mm

DUCT FLUSH WITH WALL –10mm

F & C ROCKING NIL  
F & C SURROUND IN UNMADE ±5mm  
F & C UNSUPPORTED OVER BOX +10mm

STRUCTURE INTERNAL LENGTH & WIDTH ±15mm

STRUCTURE INTERNAL HEIGHT ±10mm

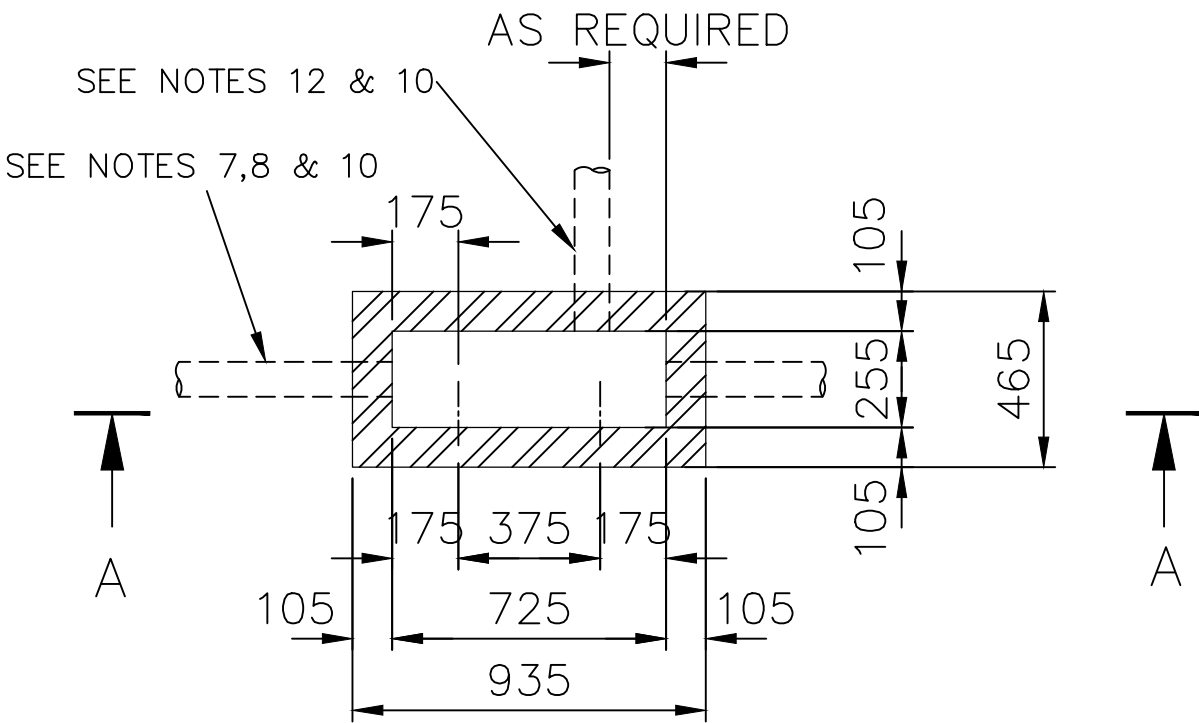
VERTICALITY OF WALLS ±15mm

SLAB THICKNESS –10mm TO +150mm

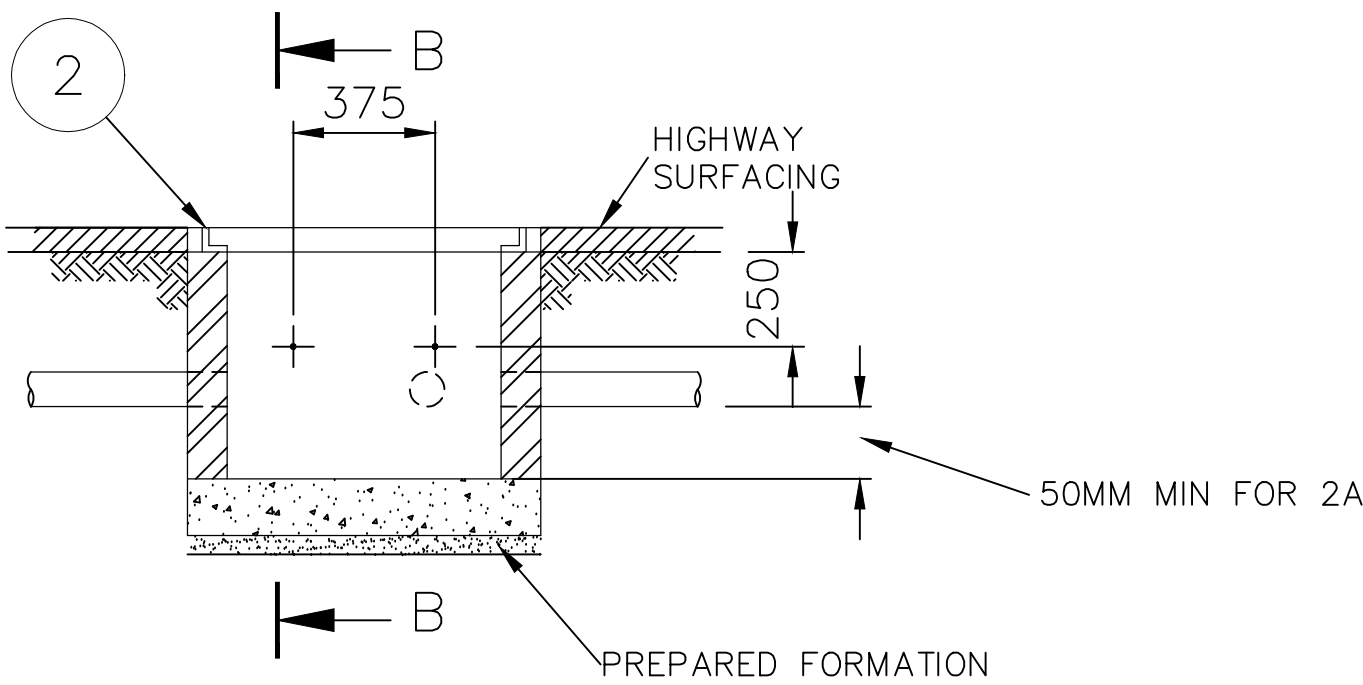
BOLT FOUNDATION ±5mm

SCHEDULE				
ITEM	DESCRIPTION	No. OFF		
		DRG	2A	2B
1	BOLTS, FOUNDATION, INDENTED No.2	CN1166	2	2
2	FRAME & COVER No.2C	CN1911	1	1

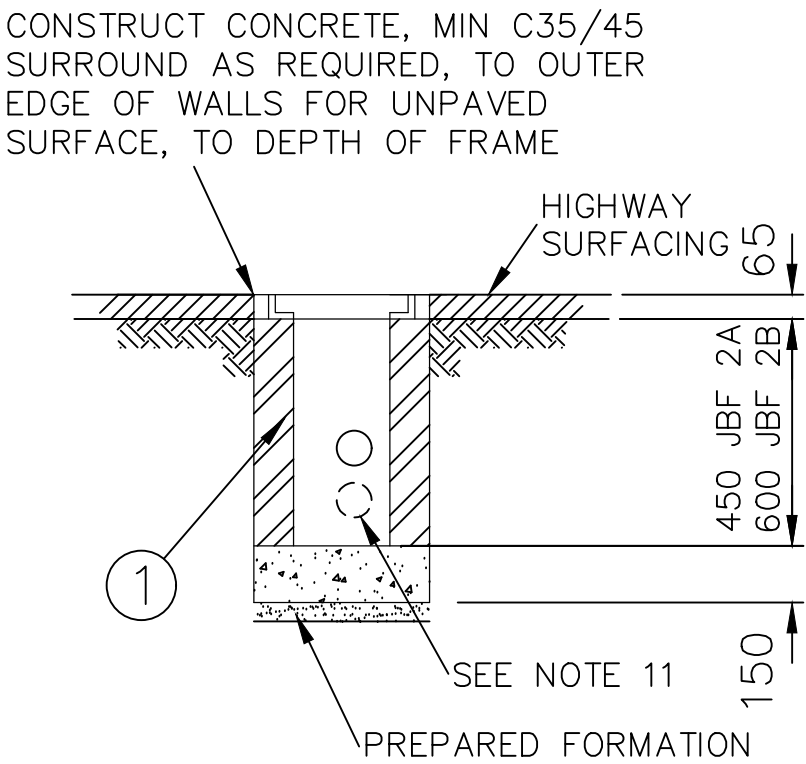
- NOTES
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, DOCUMENTATION AND SPECIFICATIONS RELATING TO THIS JOINTBOX TYPE CONSTRUCTION
  - WORKMANSHIP, MATERIALS AND METHOD OF CONSTRUCTION ARE TO COMPLY WITH ALL CURRENT RELEVANT CONTRACT DOCUMENTS, BRITISH STANDARDS, EUROCODES AND CODES 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 EQUIDISTANT FROM SIDE WALLS.
  - 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.
  - IN A JUF 102B ONLY AN ADDITIONAL DUCT CAN BE PLACED, DOTTED LINE INDICATES MIN 50mm FROM BASE.
  - ONE SINGLE WAY DUCT TO BE PROVIDED IF REQUIRED FOR POSSIBLE FUTURE SPUR THE DUCT TO BE POSITIONED IN EITHER OF THE SIDE WALLS.
  - ITEMS 1&2 ARE SHOWN IN TYPICAL POSITIONS, THEY MAY BE REPOSITIONED OR INCREASED TO SUIT LOCAL CONDITIONS.
  - 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.
  - 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.



PLAN



SECTION A–A



SECTION B–B

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 © British Telecommunications plc 2010 DO NOT SCALE ORIGINAL SCALE 1:20

A2 A3	DRN G.P. CKD I.M.	MATERIAL —	General Drawing Review Note added re minimum duct depths. Minor drafting mods	C	JOINT BOX FOOTWAY JBF 102 A & B NEW SITES		REFERENCES SPEC LN 550	
	CERTIFICATION DESIGNER D.C. _____ CLIENT D.C. _____	FINISH —						
	BT						T&S Design 12.07.19	
	AMENDMENT						ISSUE	Openreach
DATE 22/12/10								