



2 No. duct connections for plot connections (where appropriate)



Scale NTS



Scale NTS

Table 1 - Utility Chamber Sizes



Scale NTS

Table 2 - Recommended Typical Arrangments for Proposed Utility Ducting

Table 3 - Minimum Separations Between Services

Table 3 - See note 11

Scale: NTS



Scale: NTS

Notes

General Notes

1. All dimensions are in mm, all levels in mAOD, unless specified otherwise.
2. Do not scale from this drawing.
3. For build-ups, refer to highway engineering typical details VNIF-ARP-ZZ-YYY-DR-CH-3011.
4. Ducts, cables and pipes to be provided according to Infrastructure Specification VNIF-ARP-ZZ-YYY-SP-C-0001.

Duct Notes

1. All connections to live services shall be made by the appropriate statutory undertaker.
2. Ducts should be lowered or realigned locally where required to avoid other ducts, pipes or chambers.
3. All ducts are to be capped at both ends and nylon raw cords placed.
4. All ducts are to be checked using a mandrel.
5. 8mm Dia. 3-strand laid polypropylene draw rope to BS 2494 shall be provided through all ducts.
6. For Duct colour(s) refer to Table 2.
7. Ducts should not cross over between chambers
8. When LV and HV sit in combined trench, it is required that LV are the upper row of ducts to provide minimum clearance to HV.
9. Duct and pipe diameters displayed are internal unless noted otherwise.
10. All ducts are to be sealed.
11. Minimum separations between services based on Statutory Authority specifications and guidance.

Chamber Notes

1. All frames and covers to be hot dipped galvanised after manufacture to BS EN 1461:1999.
2. Cover should have 2 No; centralised lifting points. One lifting point should be marked with the BSI Kitemark, 'EN124' and 'D400'. The cover shall comply with these standards. The other lifting point shall be marked with the manufacturers ID and the utility company ID.
3. Six sets of lifting keys are to be provided to the end user upon completion.
4. All works must be carried out in compliance with the requirements of the Manual Handling Operations Regulations (1992), as amended in 2002.
5. Lifting slots are to be sized to suit particular utility company's standard lifting key.
6. The requirement and type of LV chamber to be confirmed by ENWL/ICP - in abeyance.

For general arrangement of utilities and the locations of the sections shown, see drawing;
Electricity - VNIF-ARP-00-YYY-DR-CU-1013 to 15
Water - VNIF-ARP-00-YYY-DR-CU-1016 to 18
Telecoms - VNIF-ARP-00-YYY-DR-CU-1019 to 21

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Client



MANCHESTER
CITY COUNCIL



Project Title

Victoria North HIF Infrastructure & Enabling Works

Drawing Title

Proposed HIF Utilities
Typical Details
Sheet 2 of 2

Scale at A1 NT

Role	Consultant for Utilities
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Suitability S3 - Issued for Review and Comment

Rev P03	By TW	Chkd RG	Appd LS	---
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Name _____

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