

A1

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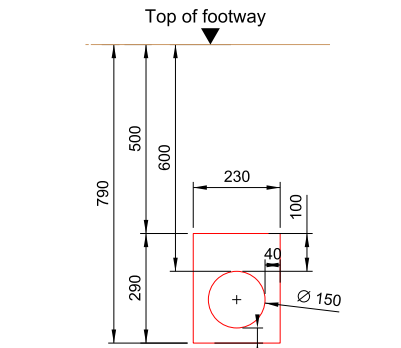
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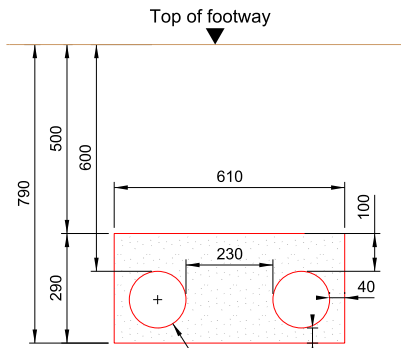
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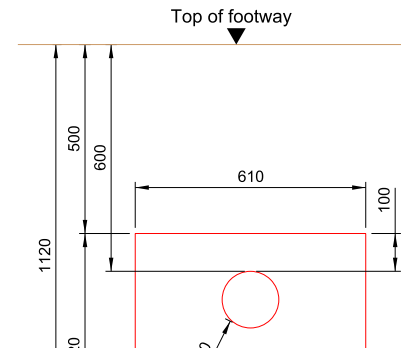
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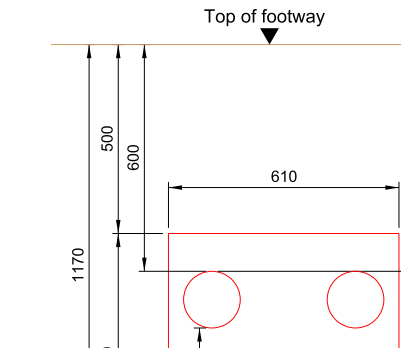
H1F - ENWL HV
1 way No. 150mm HV Ducts



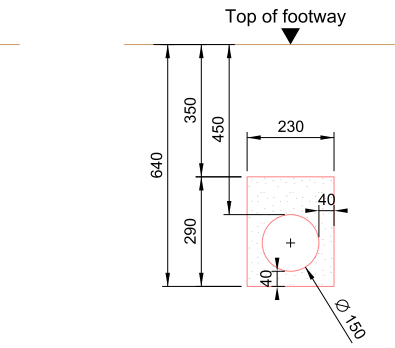
H2F - ENWL HV
2 way No. 150mm HV Ducts



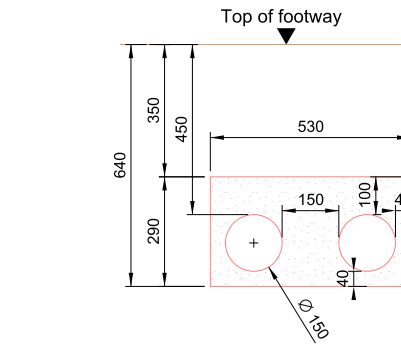
H3F - ENWL HV
3 way No. 150mm HV Ducts



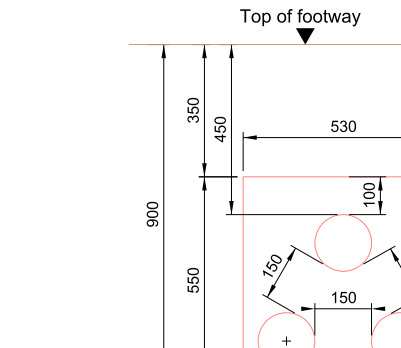
H4F - ENWL HV
4 way No. 150mm HV Ducts



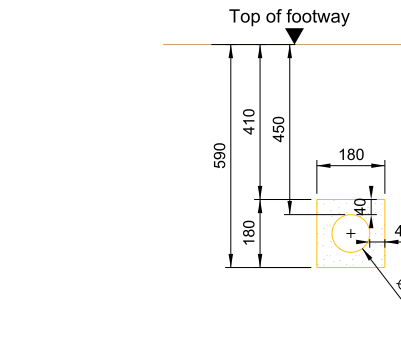
L1F - ENWL LV
2 way No. 150mm LV Ducts



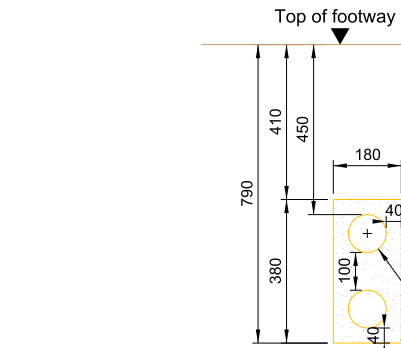
L2F - ENWL LV
2 way No. 150mm LV Ducts



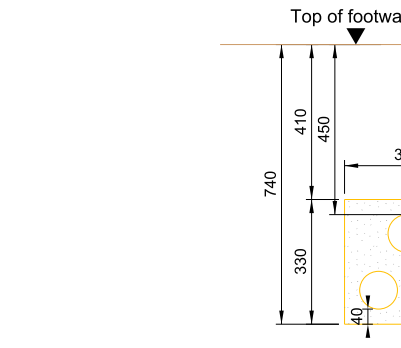
L3F - ENWL LV
3 way No. 150mm LV Ducts



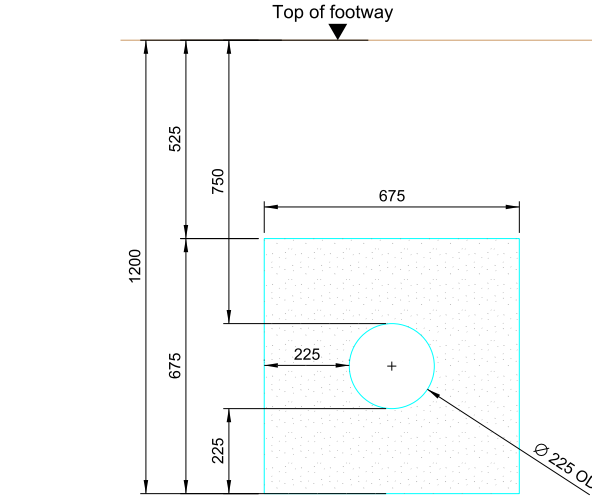
S1F - Streetlighting
1 way No. 100mm Ducts



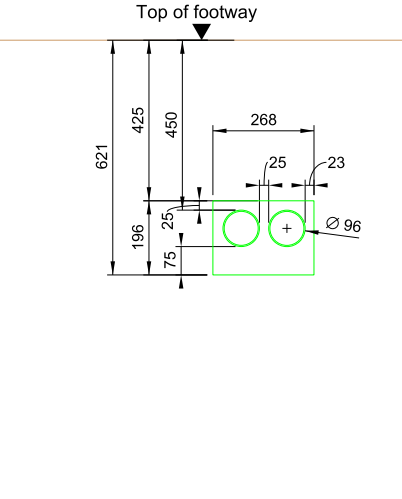
S2F - Streetlighting
2 way No. 100mm Ducts



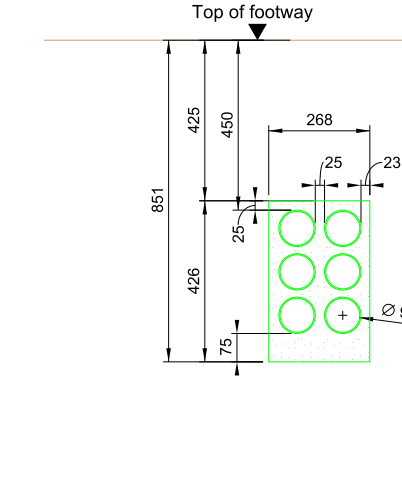
S3F - Streetlighting
3 way No. 100mm Ducts



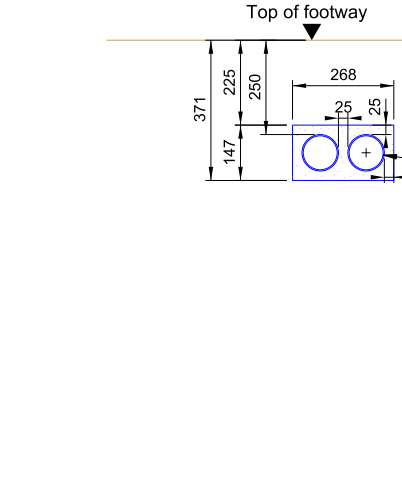
W1F - United Utilities
1 No. 225mm Water Main Barrier Pipe



O2F - Openreach
2x3 No. 90mm Ducts

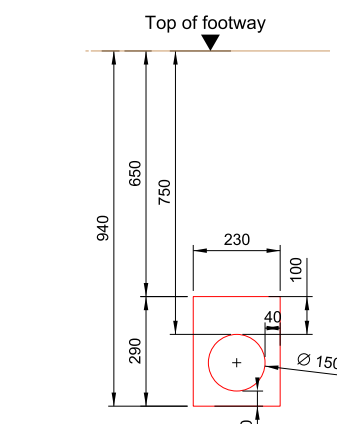


O6F - Openreach
2x3 No. 90mm Ducts

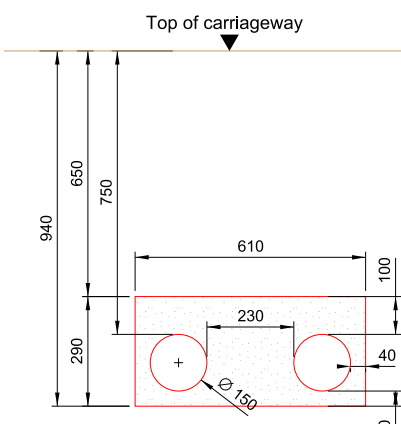


V2F - Virgin Media
2x1 No. 90mm Ducts

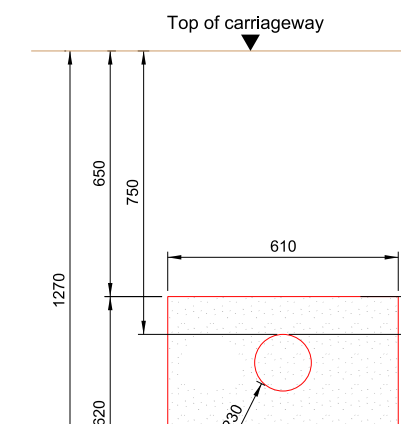
Typical Non-Traffic Area Trench Details
Scale 1:20



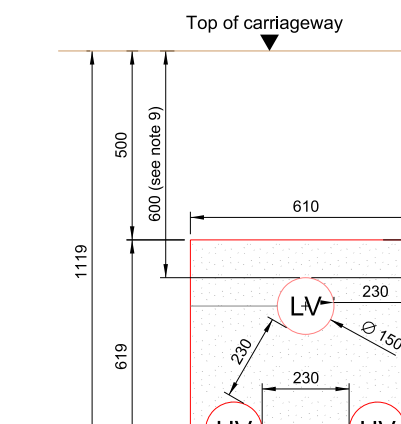
H1C - ENWL HV
1 way No. 150mm HV Ducts



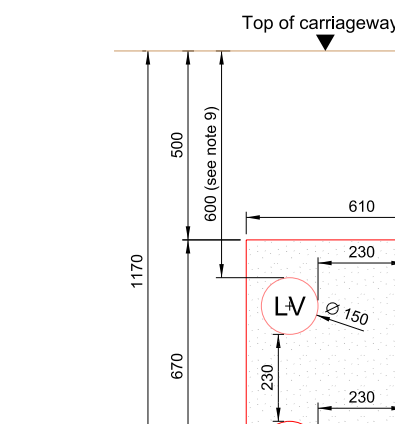
H2C - ENWL HV
2 way No. 150mm HV Ducts



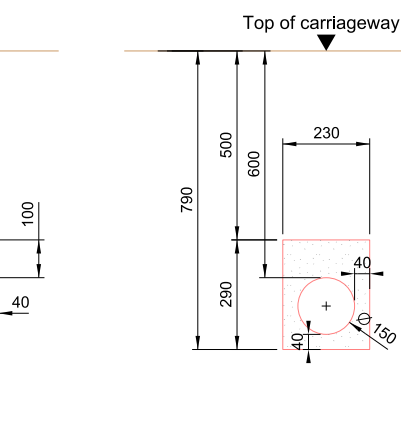
H3C - ENWL HV
3 way No. 150mm HV Ducts



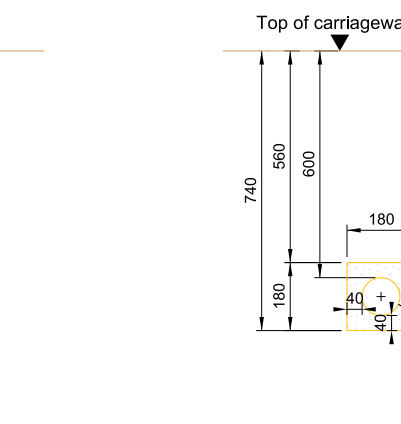
E3C - ENWL LV/HV
3 way 1 No. 150mm LV & 2 No. 150mm HV Ducts



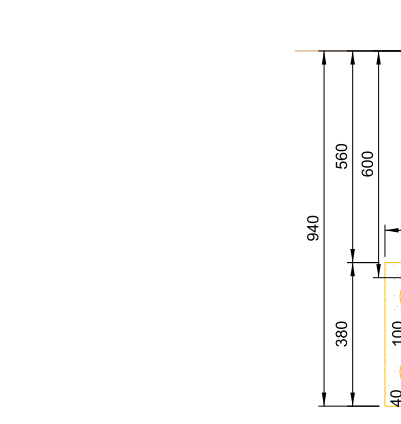
E4C - ENWL LV/HV
4 way No. 150mm LV & HV Ducts



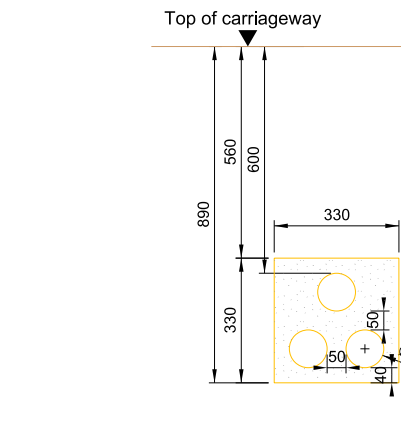
L1C - ENWL LV
1 way No. 150mm LV Ducts



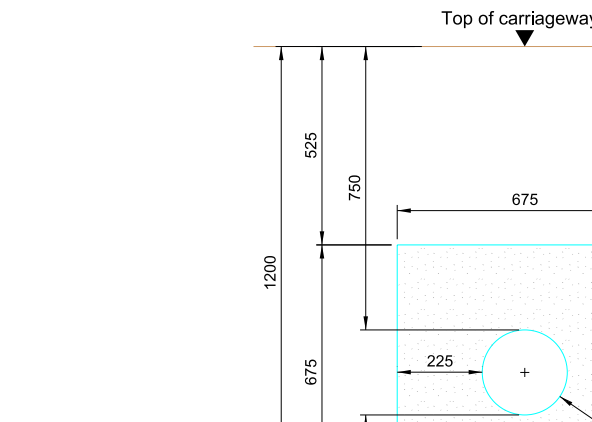
S1C - Streetlighting
1 way No. 100mm Ducts



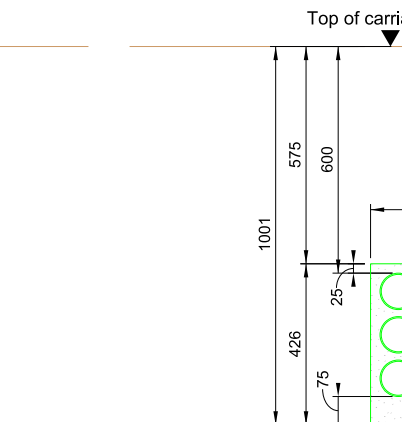
S2C - Streetlighting
2 way No. 100mm Ducts



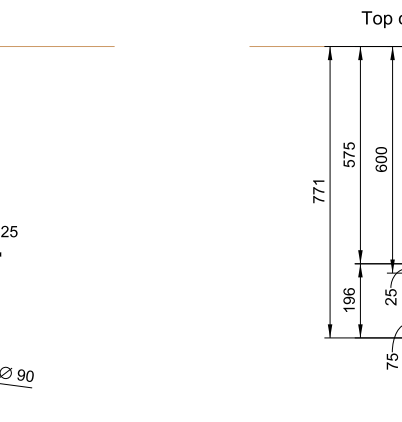
S3C - Streetlighting
3 way No. 100mm Ducts



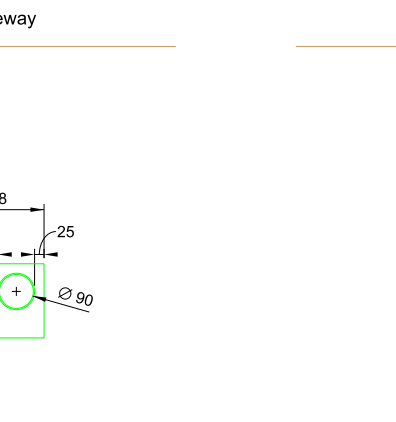
W1C - United Utilities
1 No. 225mm Water Main Barrier Pipe



O6C - Openreach
6 No. 90mm Ducts

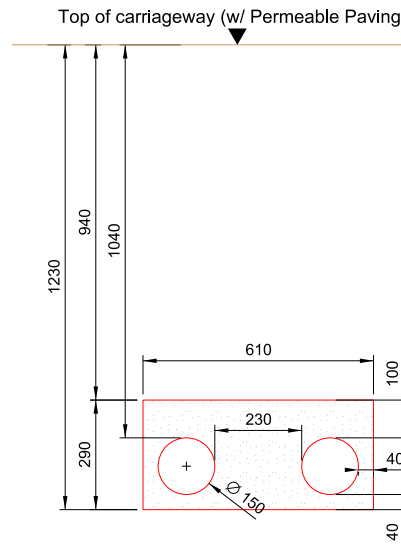


O2C - Openreach
2 No. 90mm Ducts

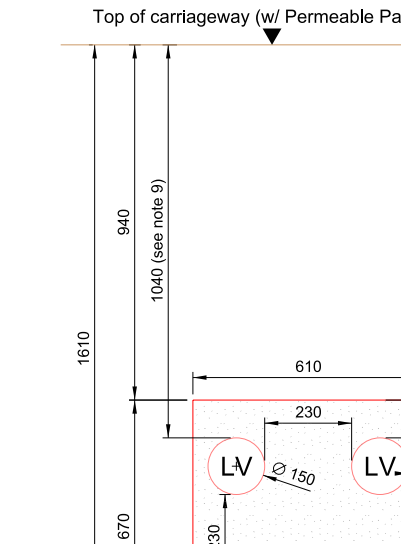


V2C - Virgin Media
2 No. 90mm Ducts

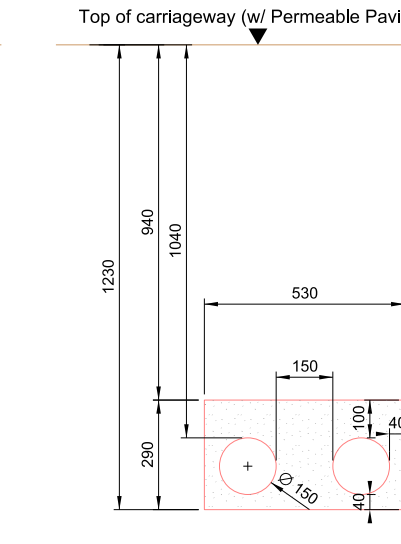
Typical Traffic Area Trench Details
Scale 1:20



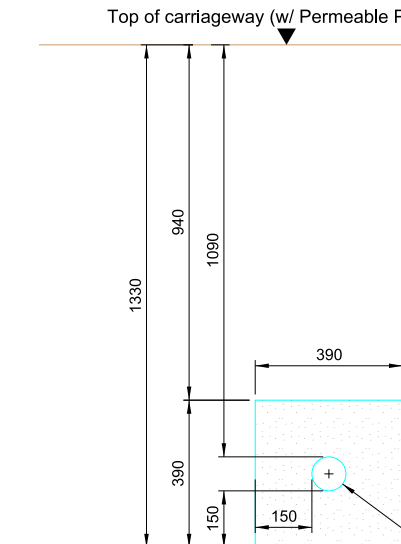
H2P - ENWL HV
2 way No. 150mm HV Ducts



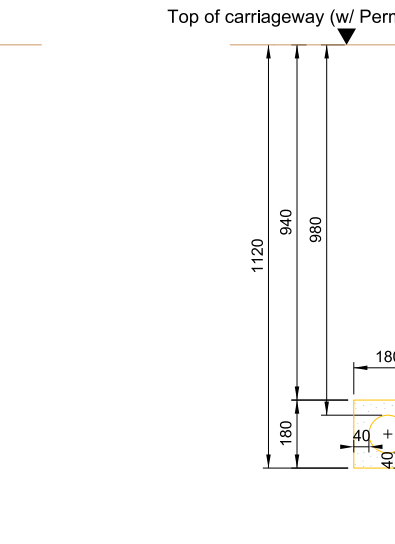
E4P - ENWL LV/HV
4 way No. 150mm LV & HV Ducts



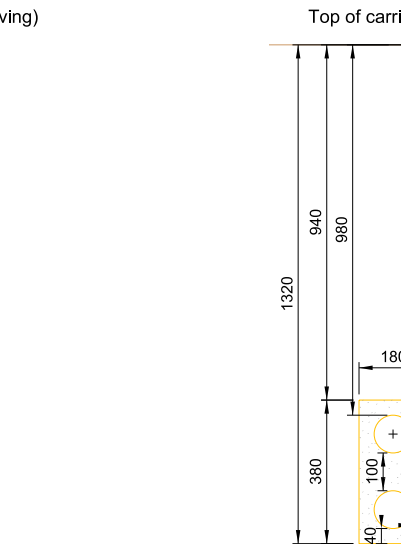
L2P - ENWL LV
2 way No. 150mm LV Ducts



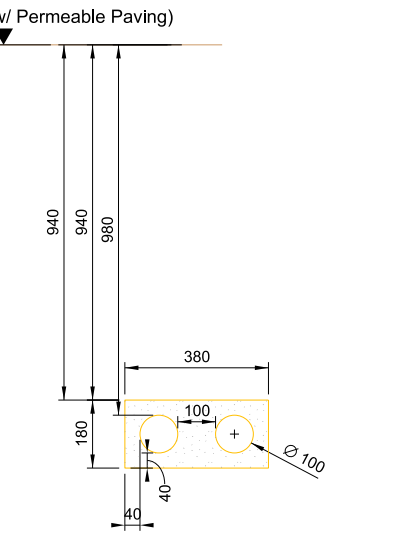
W1P - United Utilities
1 No. 90mm Water Main Pipe



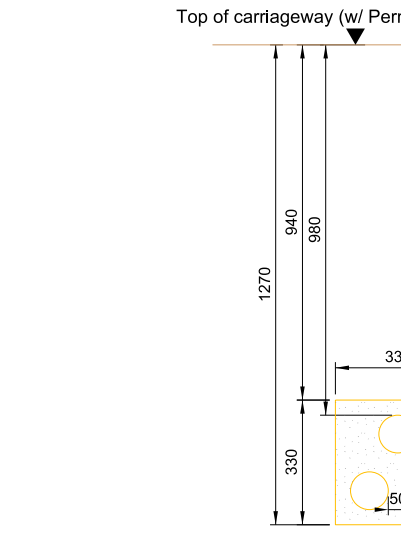
S1P - Streetlighting
1 way No. 100mm Ducts



S2P - Streetlighting
2 way No. 100mm Ducts



S3P - Streetlighting
3 way No. 100mm Ducts



O6P - Openreach
6 No. 90mm Ducts

Typical Traffic Area w/Permeable Paving Details
Scale 1:20

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-3006.
4. Ducts, cables and pipes to be provided according to Infrastructure Specification VNIF-ARP-ZZ-YYY-SP-C-0001.
5. 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.
6. Duct and pipe diameters displayed are internal unless noted otherwise.

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

Rev	Date	Description	By	Chkd	Appd	Auth
P01	22/07/22	Issued for BAM Comments	EC	RG	LS	—
P02	29/07/22	Issued for BAM Comment	TW	EC	LS	—
P03	11/08/22	WS4 Issue for TA	TW	RG	LS	—

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www.arup.com

Client



Project Title
Victoria North HIF Infrastructure & Enabling Works

Drawing Title
**Proposed HIF Utilities
Typical Details
Sheet 1 of 2**

Scale at A1 1:20		Anup Job No 282022-00				
Role Consultant for Utilities						
Suitability S3 - Issued for Review and Comment						
Rev P03	By TW	Chkd RG	Appd LS	—		
	Date 11/08/22	Date 11/08/22	Date 11/08/22		—	
	Name VNIF - ARP - 00 - YYY - DR - CU - 2001					
Project	Originator	Volume	Location	Type	Role	Number