A1

See sheet 2 of 3

Notes - Continued

9. Refer to schedule VNIF-ARP-ZZ-YYY-SH-CU-0001 for diversion/abandonment lengths and further asset information. Refer to drawings VNIF-ARP-00-YYY-DR-CU-002 to 004 for existing utilities & drainage and VNIF-ARP-00-YYY-DR-CU-1010 to 12 for proposed utilities & drainage diversions.

10. See Proposed Lighting Ducting Layout GAs VNIF-ARP-00-YYY-DR-E-0001 to 0003 for streetlighting requirements, routing and feeder pillar locations. Feeder pillars shown indicatively on this drawing only.

11. Excavation locations for future HV cable pulling pits are indicative only. The locations and sizes of these are to be confirmed by the DNO/ICP responsible for the cable pulling design and works. Full ducting to be installed by HIF, with ducting to be removed locally where required in future for cable pulling.

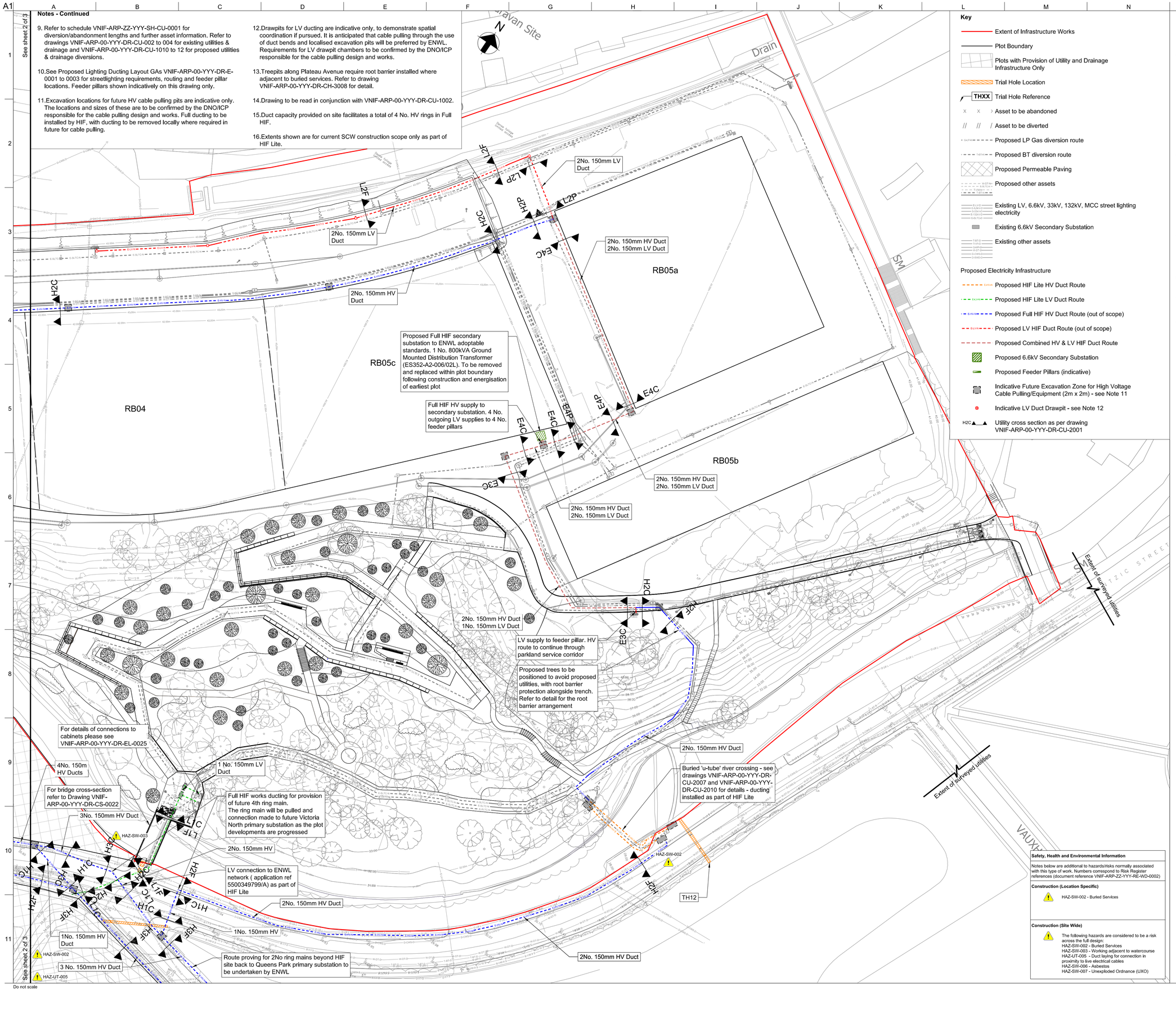
12. Drawpits for LV ducting are indicative only, to demonstrate spatial coordination if pursued. It is anticipated that cable pulling through the use of duct bends and localised excavation pits will be preferred by ENWL. Requirements for LV drawpit chambers to be confirmed by the DNO/ICP responsible for the cable pulling design and works.

13. Treepits along Plateau Avenue require root barrier installed where adjacent to buried services. Refer to drawing VNIF-ARP-00-YYY-DR-CH-3008 for detail.

14. Drawing to be read in conjunction with VNIF-ARP-00-YYY-DR-CU-1002.

15. Duct capacity provided on site facilitates a total of 4 No. HV rings in Full HIF.

16. Extents shown are for current SCW construction scope only as part of HIF Lite.



Key

- Extent of Infrastructure Works
- Plot Boundary
- Plots with Provision of Utility and Drainage Infrastructure Only
- Trial Hole Location
- THXX Trial Hole Reference
- Asset to be abandoned
- Asset to be diverted
- Proposed LP Gas diversion route
- Proposed BT diversion route
- Proposed Permeable Paving
- Proposed other assets
- Existing LV, 6.6kV, 33kV, 132kV, MCC street lighting electricity
- Existing 6.6kV Secondary Substation
- Existing other assets

Proposed Electricity Infrastructure

- Proposed HIF Lite HV Duct Route
- Proposed HIF Lite LV Duct Route
- Proposed Full HIF HV Duct Route (out of scope)
- Proposed LV HIF Duct Route (out of scope)
- Proposed Combined HV & LV HIF Duct Route
- Proposed 6.6kV Secondary Substation
- Proposed Feeder Pillars (indicative)
- Indicative Future Excavation Zone for High Voltage Cable Pulling/Equipment (2m x 2m) - see Note 11
- Indicative LV Duct Drawpit - see Note 12
- H2C Utility cross section as per drawing VNIF-ARP-00-YYY-DR-CU-2001

Safety, Health and Environmental Information

Notes below are additional to hazards/risks normally associated with this type of work. Numbers correspond to Risk Register references (document reference VNIF-ARP-ZZ-YYY-RE-WD-0002)

Construction (Location Specific)

HAZ-SW-002 - Buried Services

Construction (Site Wide)

The following hazards are considered to be a risk across the full design:
HAZ-SW-002 - Buried Services
HAZ-SW-003 - Working adjacent to watercourse
HAZ-UT-005 - Duct laying for connection in proximity to live electrical cables
HAZ-SW-006 - Asbestos
HAZ-SW-007 - Unexploded Ordnance (UXO)

Notes

1. All dimensions are in mm, all levels in mAOD, unless specified otherwise.

2. This map is reproduced from Ordnance Survey Material with the permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office (c) Crown Copyright. License Number 100019568 (2025).

3. Background is based on:
 - Plot boundaries developed in conversation with FEC Winter 2021/22 - boundaries between adjacent plots are indicative only and are subject to change as the FEC masterplan is developed.
 - Topographical Survey drawing PS-2158-TS by Paragon Surveys dated September 2021.
 - Landscape Architect masterplan drawing VNIF-PLA-ZZ-YYY-DR-L-1011 Rev C11 dated 10/09/2025 by Planit.

4. Existing Utilities layout based on the following information:
 - Utility Search Map drawing 97079 undertaken by Atkins dated 24/06/2021.
 - GPR Survey drawing PUM-11943-U-DR-0001 Rev 02 undertaken by Precison Utility Mapping dated 18/01/2022.
 - Trial hole model VNIF-BNL-ZZ-YYY-M3-W-0001 P01 undertaken by BAM dated 07/09/2022.
 - BAM discovered drainage model received 31/01/2023.
 - Gatelines Trial Hole Surveys received from BAM 23/07/2025.
 - BAM P&P drainage survey received 04/09/2025

5. Positions of existing services on this drawing are indicative only and are taken from the sources listed above. No guarantee is given for the accuracy of information and it is intended for information only. Areas should be suitably surveyed prior to construction/excavation.

6. Where electricity and telecommunications cables are indicated there may be multiple cables present.

7. Telecommunications cables shown do not reflect that in some areas ducts are shared between companies.

8. Utility linestyles have been used to reflect the level of accuracy as per PAS128 standard. The Located Service Classification table below gives a brief overview. For further details refer to document 'PAS 128:2014 Specification for underground utility detection, verification and location'.

Located Service Classification	Certainty/Risk
Type A Verification - Visual Identification	
Type B Detection - Typically GPR and EML techniques are used	Data
Type C Site reconnaissance - Physical surface features identified	
Type D Desktop utility records search	

Rev	Date	Description	By	Chkd	Appd	Auth
P07	12/05/23	HIF Lite Full Issue	AS	TW	AL	—
C03	12/10/23	HIF Lite Full Issue	AS	TW	AL	RC
P08	07/10/24	Updated SCW path routing	AS	EC	EF	—
P09	20/12/24		EF	EF	EF	—
C04	20/12/24	WS5 Issue	EF	EF	EF	LC
P10	24/04/25	SCW Construction Issue	AS	ES	EF	—
C05	29/04/25	SCW Construction Issue	AS	ES	EF	LC
P11	08/08/25	TA issue	AS	TK	GL	—
P12	12/09/25	Construction Issue	AS	EC	GL	—
C06	15/09/25	Construction Issue	AS	EC	GL	AL

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Client

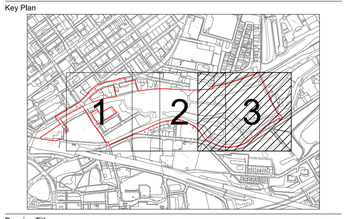
MANCHESTER CITY COUNCIL

bam nuttall

Project Title

Victoria North HIF Infrastructure & Enabling Works

Key Plan



Drawing Title

Proposed HIF Lite Adoptable 6.6kV Circuits & LV Supplies General Arrangement Sheet 3 of 3

Scale at A1	Arup Job No
1:500	282022-00

Role: Consultant for Utilities

Suitability: A - Fit for Construction

Rev	By	Chkd	Appd	
C06	AS	EC	GL	AL
	Date 12/09/25	Date 12/09/25	Date 12/09/25	15/09/25

Name: VNIF - ARP - 00 - YYY - DR - CU - 1015

Project | Originator | Volume | Location | Type | Role | Number

Do not scale

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