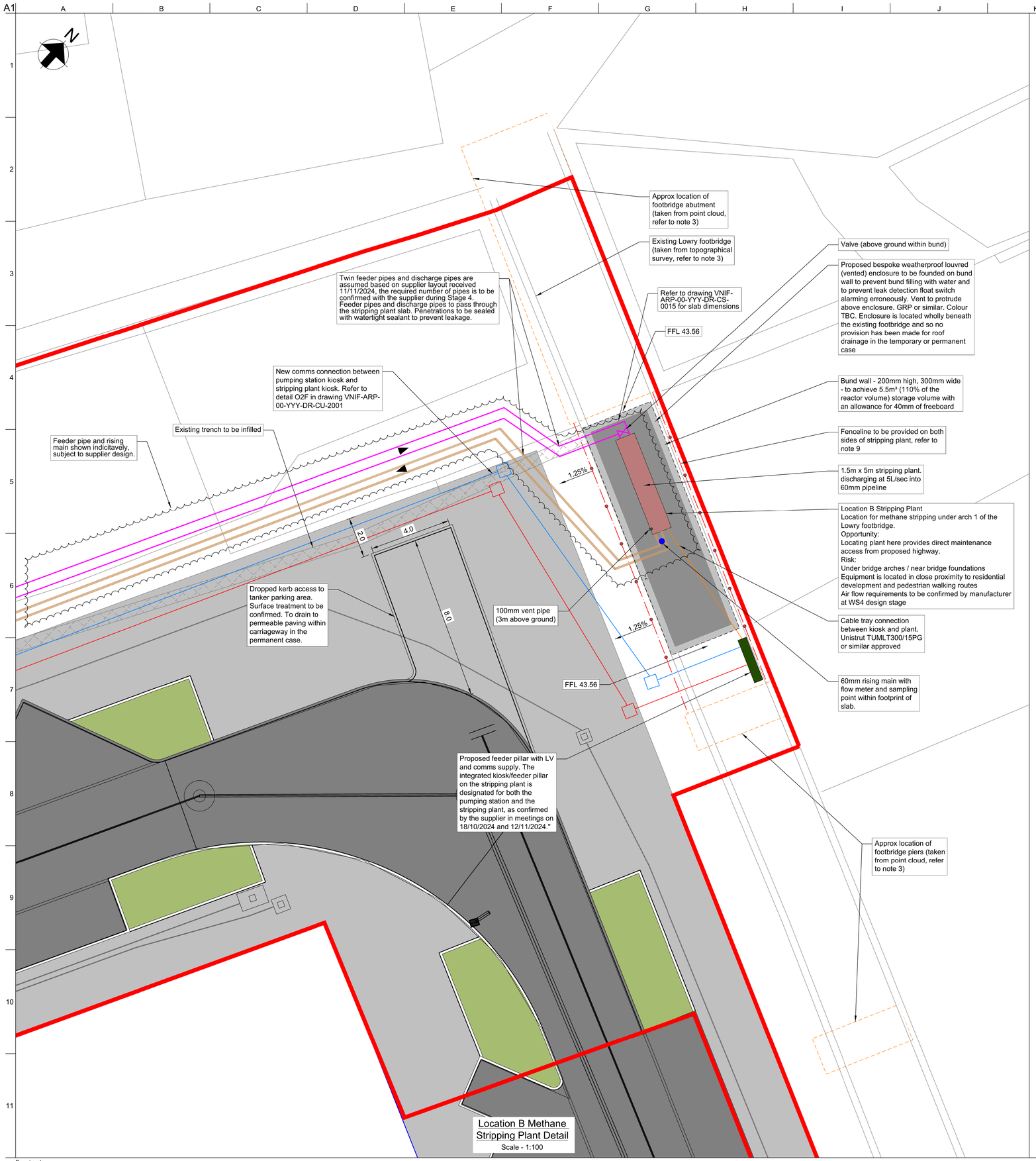

General Notes

1. All dimensions are in m, 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 (2021).

3. Layout is based on:
   - Plot boundaries developed in conversation with FEC Winter 2021/2 - 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.
   - Proposed Plateau Avenue General Arrangement Issue P04 dated 10/2022.
   - Location of existing incoming pipe from beneath the Showman's Guild and existing UU sewer is based on drawing 230131 from Bam, received 31/01/23.
   - Point cloud from BAM supplied drone survey received 27/03/2024.

4. For sections see drawing VNIF-ARP-00-YYY-DR-CG-0006, swept path analysis see drawing VNIF-ARP-00-YYY-DR-CH-3083 and VNIF-ARP-00-YYY-DR-CH-3084 and deliverables list for all other drawings.

5. Pipe sizes have been specified to maintain velocity in pipeline, based upon volumetric flowrates established in the Performance Specification VHIF-ARP-ZZ-YYY-SP-MP-0001.

Permanent Treatment Plant Notes

6. Location assumes that the cylindrical feed pumpstation will have a maximum size of 3m x 35m, refer to 'Permanent Water Treatment Plant Design Assessment' Technical Note dated 12 Nov 2024 for details of tank sizing

7. Location of permanent treatment plant needs to have permanent vehicular access for plant set up and maintenance, and access to electricity supply.

8. The permanent tretment plant is likely to have an odour, noise and visual impact. These impacts have been mitigated as far as possible through the design:
   - All overground plant is located within the existing bridge arch
   - A 15m clearance zone is provided to residential areas
   - Visual screening is proposed around all overground plant
   - Ventilation is provided from the stripping plant to a height of 3m
   The requirement for any further acoustic mitigation is to be informed by the noise assessment, and any necessary mitigations are to be implemented in the WS4 design.

9. Stripping Plant to be fenced and screened. Landscape screening proposal perforated metal panels are to be applied from FEC side. Standard 1.8m fence to be applied from TfGM side. Screening panels and gates arrangement to be coordinated with Supplier on WS4 detailed design to suit equipment replacement strategy. Entrance/gates specification to suit maintenance strategy and to be confirmed by Supplier.

10. Unconfirmed PFAS technology and potential plant land occupation may result in a change of the proposed location and have an impact on development options.

11. Type 3 Pumping Station and 15m residential clearance zone has been based on Design and Construction Guidance for foul and surface water sewers offered for adoption under Code for adoption agreements for water and sewerage companies operating wholly or mainly in England ("the Code"). Refer to Performance Specification VHIF-ARP-ZZ-YYY-SP-MP-0001.

12. It will be possible to operate both the pumping station and treatment plant in a batch mode, please refer to the Control Philosophy VNIF-ARP-ZZ-YYY-RP-MP-0001 for further information.

13. The proposed CCTV strategy for the stripping plant and pumping station, as agreed with the JV on 2nd October 2024, is for wireless CCTV connections to an on-site control room. Therefore no external hardwire CCTV connection is proposed as part of the design, a comms connection between the pumping station and stripping plant is provided.

Key

- Proposed Highway
- Proposed Footway
- Proposed Landscaping
- Development Plot Boundaries
- Planning Boundary
- Existing Ordnance Survey/ Topographical Survey
- 15m Residential Clearance Zone (see note 6)
- HIF utilities ducts and drainage pipes, to be installed in the future
- Proposed Foul Pipe
- Proposed Feeder Pipe (approx 130m long)
- Proposed LV and Comms to plant
- Proposed Comms connection between stripping plant and pumping station
- Proposed LV network expansion
- Existing Lowry Steps Structure

Rev	Date	Description	By	Chkd	Appd	Auth
P01	19/11/24	Issued for Planning	EF	EF	EF	---
P02	26/11/24	Issued for Planning	AS	EF	EF	---
P03	13/12/24	Planning Boundary Amended	ES	ES	ES	---
P04	19/12/24	Amended Planning Boundary	ES	ES	ES	---

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Client

MANCHESTER CITY COUNCIL

bam nuttall

Project Title

Victoria North HIF Infrastructure & Enabling Works

Drawing Title

Proposed Permanent Water Treatment Plant Layout Location B

Scale at A1	Arup Job No
1:100	282022-00

Role: Civils - Geotechnical

Suitability: S3 - Issued for Review and Comment

Rev	By	Chkd	Appd	
P04	ES	ES	ES	---
	Date 19/12/24	Date 19/12/24	Date 19/12/24	Date ---

Name: VNIF - ARP - 00 - YYY - DR - CG - 0008
(Project | Originator | Volume | Location | Type | Role | Number)

Do not scale

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