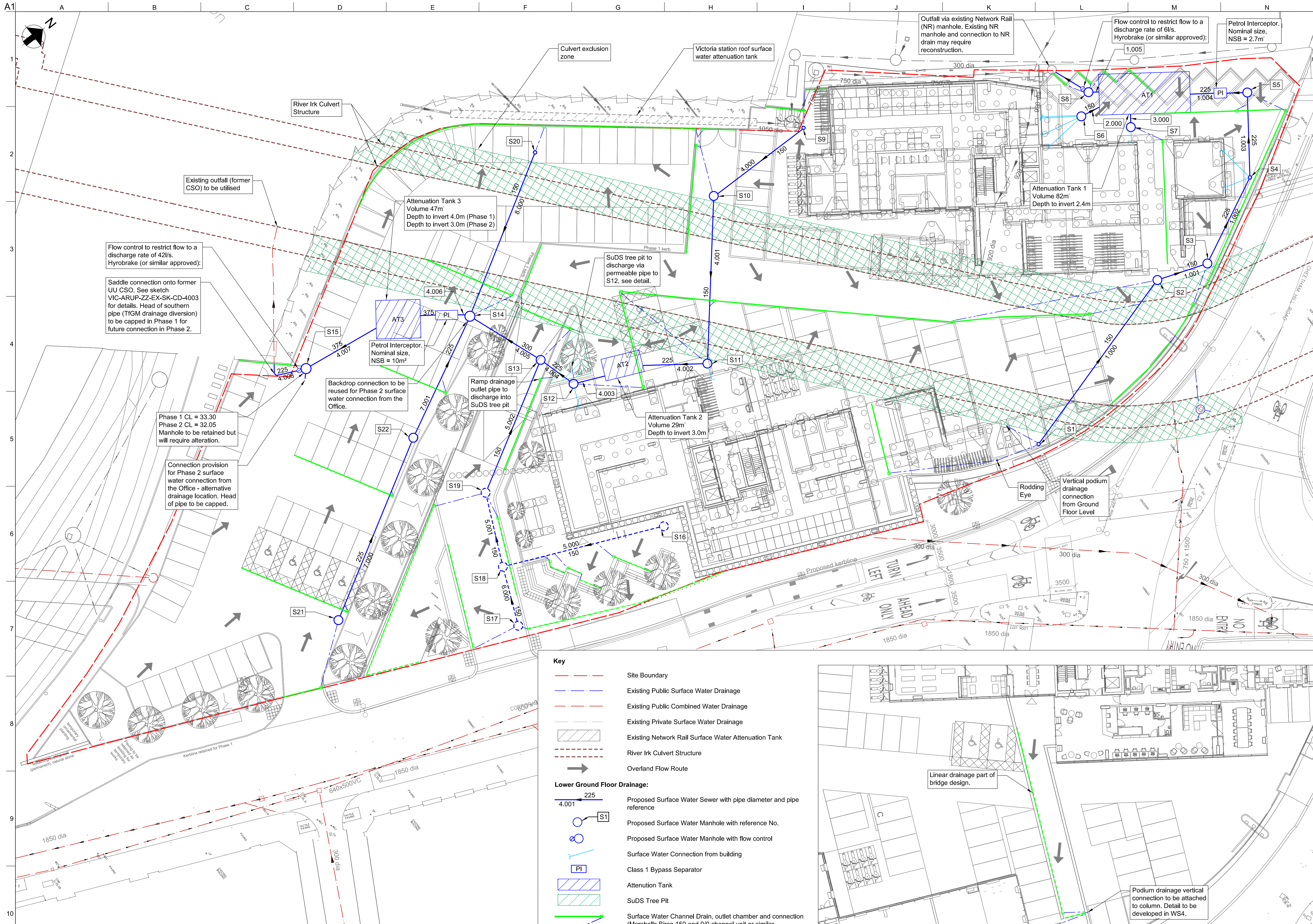




- Notes:
1. All dimensions are in mm, all levels in mAOD unless specified otherwise.
 2. This drawing is based upon the Work Stage 3 Design package, and been amended following discussions with MCC regarding planning conditions approval.
 3. The positions of existing drainage shown on this drawing are indicative only and reflect the level of information obtained from statutory records, the SEP Topographical and Utility Survey (January 2016), and existing external drainage drawing 100262-HYD-01-ZZ-DR-D-GXX-D04-1500 Rev D05 by Morgan Sindall dated 04/09/2013. No guarantee is given for the accuracy and it is intended for general guidance only. Contractor to verify location of existing drainage on site prior to commencement of any works.
 4. Layout is based on Planit Masterplan drawings 'PL1487-VW-114 Rev08' dated 09/02/2018 and 'PL1487-VW-115 Rev09' dated 16/02/2018.
 5. New connections are indicative and subject to verification.
 6. This drawing does not show drainage works associated with proposed modifications carried out as part of S278 Works.
 7. The proposed geocellular attenuation tanks shall be Hydro-International Stormbloc or similar approved. The tanks shall be wrapped with an impermeable geo-membrane and sealed to the manufacturers recommendations.
 8. Petrol interceptors shall be Class 1 Bypass Separators. An allowance for vent and alarm shall be made, connectivity and location TBC at detailed design.
 9. Refer to drawing VIC-ARUP-ZZ-EX-DR-CD-2004 for the Surface Water Drainage Manhole Schedule.

P5	12/07/19	EC	AJ	SL
Updated to Incorporate MCC Comments				
P4	17/05/19	JS	AJ	SL
Updated for Planning Condition 31				
P3	16/02/18	EC	AJ	SL
Updated for Masterplan & Client Commets				
P2	16/10/17	AS	AJ	SL
Workstage 3 Issue				
P1	16/06/17	AS	AJ	SL
Workstage 2 Issue				
Rev	Date	By	Chkd	Appd

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Client
Muse Developments Ltd

Project Title
New Victoria

Drawing Title
Proposed Surface Water
Drainage Layout
General Arrangement
Phase 1

Scale at A1 1:250

Role
Civils

Suitability
S2 - Issued for Information

Arup Job No
255644-00

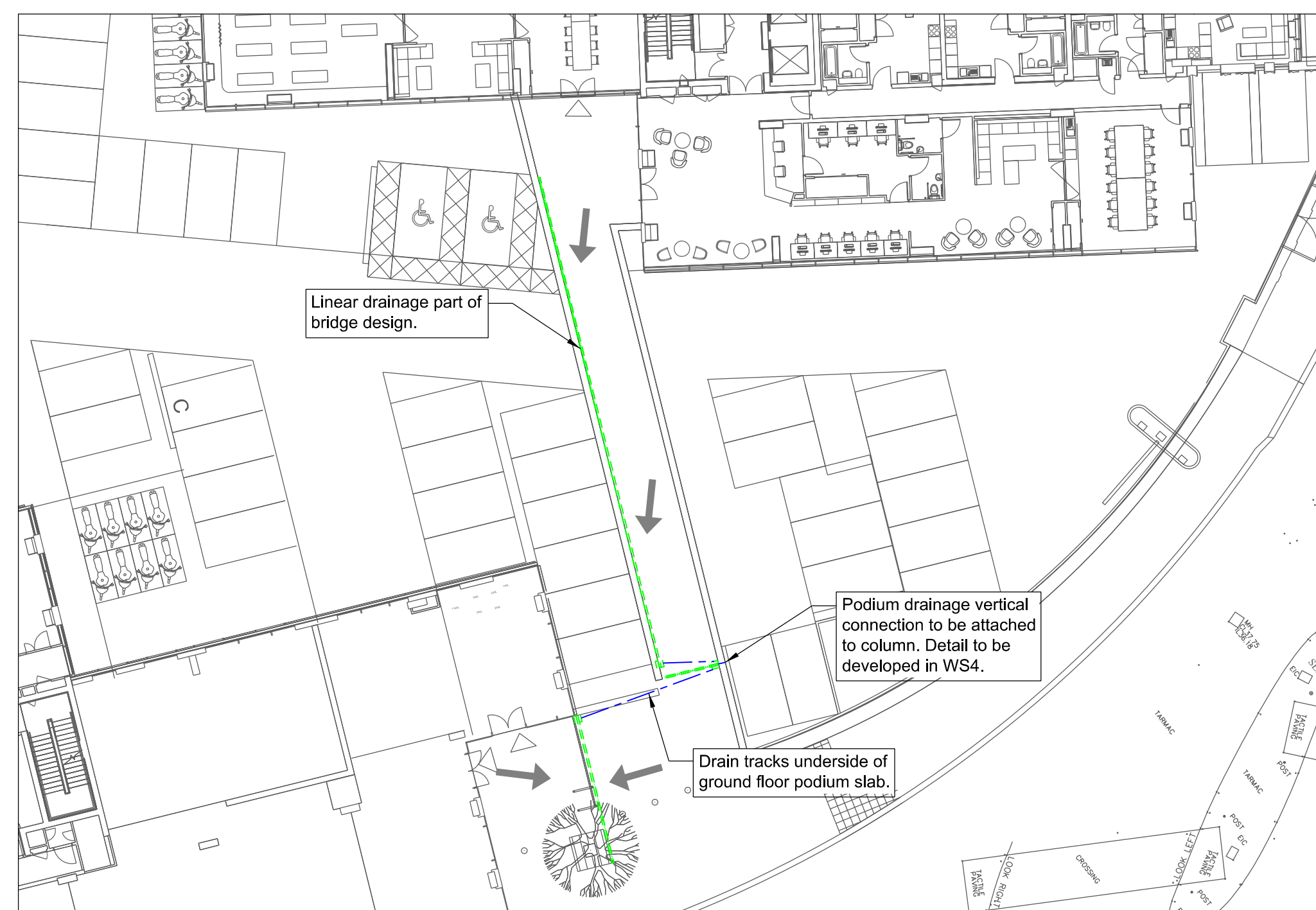
Name
VIC-ARUP-P1-EX-DR-CD-2001

Rev
P5

Storm Return Period (Year)	Pre-development Discharge Rate (l/s)	Drainage Design Discharge Rate (l/s)			Percentage Site Reduction From Existing
		Catchment 1	Catchment 2	Site	
2	65	5	40	45	31%
30	123	5	42	47	62%
100	157				
100+20%CC		6	42	48	69%

Flow Rate Restrictions Table

- Key**
- Site Boundary
 - Existing Public Surface Water Drainage
 - Existing Public Combined Water Drainage
 - Existing Private Surface Water Drainage
 - Existing Network Rail Surface Water Attenuation Tank
 - River Irk Culvert Structure
 - Overland Flow Route
- Lower Ground Floor Drainage:**
- Proposed Surface Water Sewer with pipe diameter and pipe reference
 - Proposed Surface Water Manhole with reference No.
 - Proposed Surface Water Manhole with flow control
 - Surface Water Connection from building
 - Class 1 Bypass Separator
 - Attenuation Tank
 - SuDS Tree Pit
 - Surface Water Channel Drain, outlet chamber and connection (Marshalls Birco 150 and 0/0 channel unit or similar approved)
 - Gully with connection
- Ground Floor Drainage:**
- Proposed Surface Water Sewer
 - Proposed Surface Water Manhole
 - Surface Water Slot Drain, outlet chamber and connection (Marshalls Drexus Slot Drain and 20/0 channel unit or similar approved).
 - Surface Water Connection



Ground Floor Level - Footbridge
Drainage

Scale 1:250