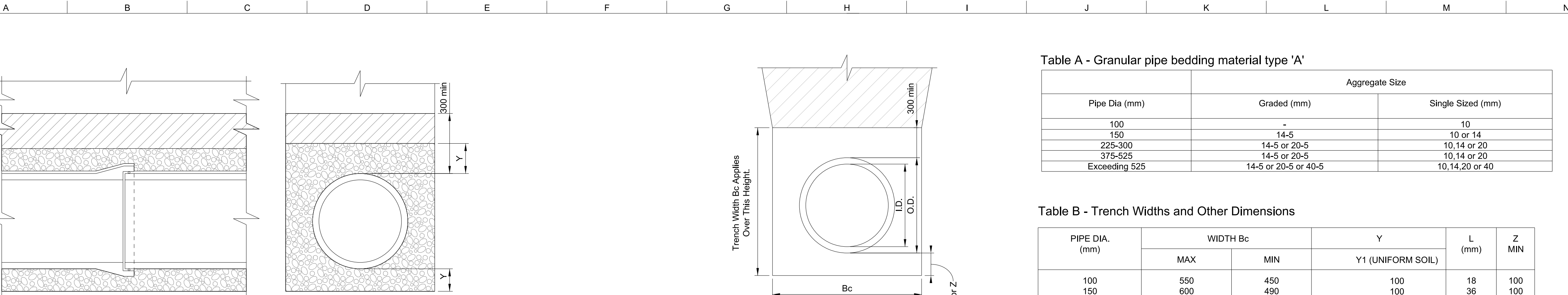


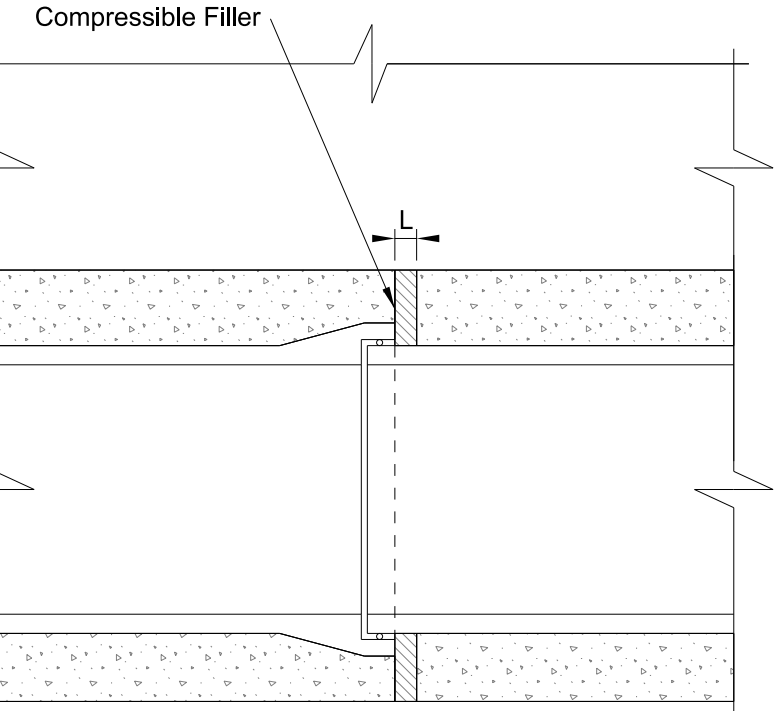
A1
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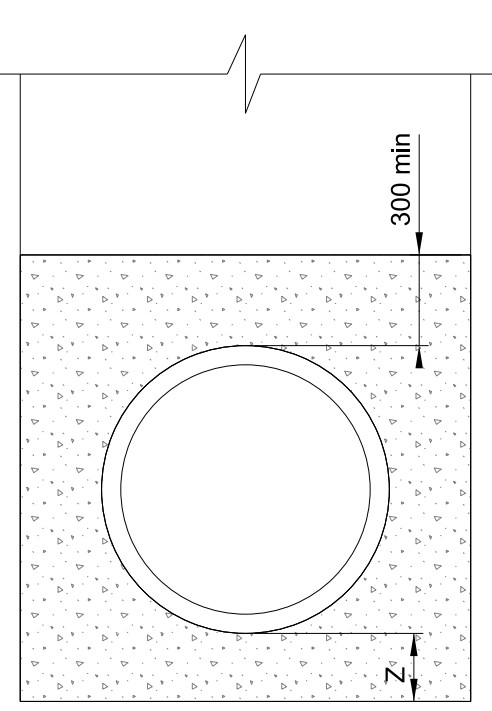
Granular Bed and Surround
Class S
Spigot and Socket Pipes

Granular Bed and Surround
Class S
Bedding Factor 2.2

Typical Trench Section



Concrete Bed and Surround
Class A3
Spigot and Socket Pipes



Concrete Bed and Surround
Class A3
Bedding Factor 4.5

- Legend:
- Concrete Mix GEN 3
 - Granular Pipe Bedding Material Type 'A'
 - Type 1 Granular Material

Table A - Granular pipe bedding material type 'A'

Pipe Dia (mm)	Aggregate Size	
	Graded (mm)	Single Sized (mm)
100	-	10
150	14-5	10 or 14
225-300	14-5 or 20-5	10, 14 or 20
375-525	14-5 or 20-5	10, 14 or 20
Exceeding 525	14-5 or 20-5 or 40-5	10, 14, 20 or 40

Table B - Trench Widths and Other Dimensions

PIPE DIA. (mm)	WIDTH Bc		Y	L (mm)	Z MIN
	MAX	MIN	Y1 (UNIFORM SOIL)		
100	550	450	100	18	100
150	600	490	100	36	100
225	700	580	150	54	100
300	750	680	150		100
375	1050	950	150		100
450	1150	1030	150		150
525	1200	1120	150		150
600	1350	1240	150		150
675	1450	1330	150		225
750	1500	1400	150		225
825	1600	1490	150		225
900	2100	1900	150		225
975	2150	1950	175		300
1050	2250	2050	175		300
1200	2500	2250	200		300
OVER 1200	O.D.+1000	O.D.+800	I.D./6		400

Notes

- All dimensions are in mm, all levels in mAOD, unless specified otherwise.
 - Do not scale from this drawing.
 - This drawing should be read in conjunction with all relevant Engineer's and Architect's drawings, reports and specifications
 - Concrete Requirements. Concrete to be in accordance with BS 8500 parts 1 and 2:
 - Concrete chemical class - Made ground: AC-3s DC-3
 - Natural ground: AC-1s DC-1
 - Blinding: GEN 1
 - Bases and Surround: GEN 3.
 - Drainage construction materials:
 - Surface Water Drainage pipes - Polyethylene (for pipes over 600mm dia), Polypropylene (for pipes over 300mm dia) and PVC (for pipes under 300mm dia) in accordance with BS13476 to have BSI kitemark status (certified to WIS 4-35-01)
 - Foul Drainage Pipes - Vitrified Clay in accordance with BS EN 295
 - Manholes - Precast Concrete
 - Inspection Chambers - Polypropylene in accordance with BS 7158
 - For the Infrastructure Specification refer to VNIF-ARP-ZZ-YYY-SP-C-0001. Where this drawing refers to a Clause/Figure/Table, this can be found in the "Design and Construction Guidance for foul and surface water sewers offered for adoption" - Rev 2.1 - dated 25th May 2021.
 - Bed and Surround Class A3 when:
 - Cover level in trafficked areas < 1.2m
 - Cover level in non-trafficked areas < 0.9m
- Bed and Surround Class S when:
- Cover level in trafficked areas > 1.2m
 - Cover level in non-trafficked areas > 0.9m

P01	17/12/21		DH	RG	RG	—
P02	22/07/22	WS4 Issue to BAM	DH	RG	LS	—
P03	08/08/22	Issued for Technical Approval	ES	DH	RG	—
P04	09/09/22	Issued for S104 Application	ES	DH	RG	—
P05	10/10/22	Full WS4 Issue	ES	DH	RG	—
P06	20/10/22	Issued for Full WS4	ES	DH	RG	—
Rev	Date	Description	By	Chkd	Appd	Auth

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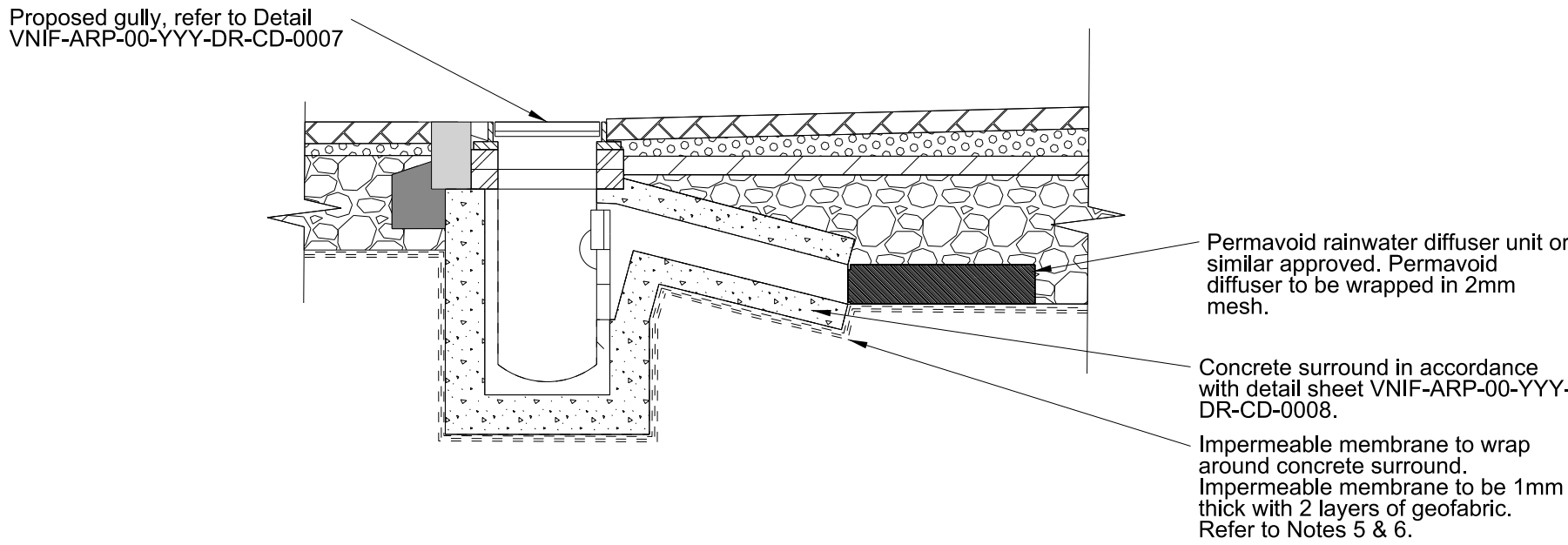
Client



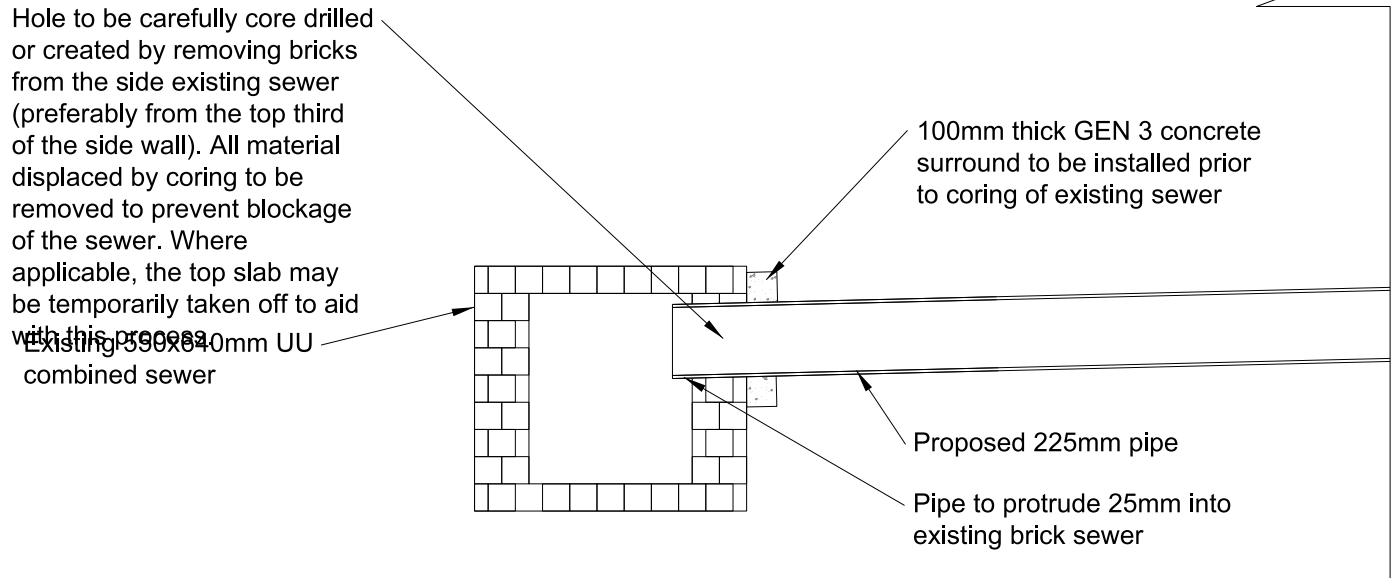
Project Title
Victoria North HIF Infrastructure & Enabling Works

Drawing Title
Drainage Details
Sheet 5 of 5

Scale at A1 1:25		Arup Job No 282022-00				
Role	Civil - Drainage					
Suitability	S4 - Issued for Construction Approval					
Rev P06	By ES	Chkd DH	Appd RG	---		
	Date 19/10/22	Date 20/10/22	Date 20/10/22		---	
	Name VNIF - ARP - 00 - YYY - DR - CD - 0008					
Project	Originator	Volume	Location	Type	Role	Number



Plateau Avenue Typical Gully Section
Scale 1:25



Proposed Sewer Connection
Detail - St Catherines Wood
Combined Sewer
Scale 1:25