

CIVIL DESIGN - COMMERCIAL BUILDING

5 & 7 EAGLE RAY ROAD

MANGAWHAI

RICHARDS
CONSULTING | ENGINEERS

STRUCTURAL DRAWING LIST

Job No A24339.C

Christchurch office: (03) 347 1624
Auckland office: (09) 3911324
Wellington Office: (04) 974 9094
Queenstown office: (03) 347 1624
Website: rcengineers.co.nz
Email: rce@rcengineers.co.nz

AS APPROVED BY
KAIPARA DISTRICT COUNCIL
Planning Department

RESOURCE CONSENT
RM240229

13/05/2025 knewman

		DATE
REVISION NO:		A
DWG No:	TITLE	
C0.00	SPECIFICATION	A
C0.01	SPECIFICATION	A
C0.02	SPECIFICATION	A
C1.01	PROPOSED DRIVEWAY GRADING PLAN	A
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REV A
FEBRUARY 2025
RESOURCE CONSENT

- 1.1 All drawings to be read in conjunction with all relevant Architect's (design), services, Structural Engineer's and Specialist's drawings and specifications.
- 1.2 All Work shall comply with the relevant clauses of the New Zealand Building Code, best practice and relevant New Zealand Standards and Codes of Practice.
- 1.3 The Contractor shall verify all dimensions on site and compare with Architectural drawings before commencing work or making shop drawings.
- 1.4 Do Not Scale from any drawings. Use figured dimensions only. If in doubt ask.
- 1.5 The Contractor shall be responsible for verifying all dimensions on site and ensuring that all dimensions and levels shown on the drawings are correct and consistent with other relevant drawings. Any discrepancies are to be reported immediately to the Engineer.
- 1.6 If at any time prior to Practical Completion, the Contractor should become aware of any signs of distress, excessive settlement or deflection, conflict of components or any other indications whatsoever of actual or potential damage to the Contract Works or any part thereof, they shall forthwith notify the Engineer, and confirm such notice in writing as soon as is practicable.
- 1.7 Materials and components to be appropriate for intended use.
- 1.8 For concrete nibs, chamfers, rebates and other Architectural features the Architectural drawings are to have preference over structural drawings.
- 1.9 The protection and durability requirements of steel, timber, concrete and masonry materials shall comply with Section 4 NZS 3604:2011. Please refer to Architectural plans and specifications for further details.
- 1.10 All weather tightness details are to be specified by others and are especially excluded from structural details.
- 1.11 The Contractor is required to do setting out where necessary to ensure that the works are constructed to the required lines and levels. Set out tolerances are to be $\pm 20\text{mm}$ horizontally.
- 1.12 In the event of any ambiguity or contradiction between the special requirements of this specification and any standard specifications, this specification will take precedence. In any case it shall be the Contractors' responsibility to bring any ambiguity or contradiction

- 1.13 A Quality Management Plan is required to demonstrate how the Contractor will achieve quality and complete the work to the specified requirements. The plan shall include, but not be limited to:
 - Internal quality systems to be used by the Contractor;
 - Construction methodology that will be followed to ensure the work complies with the contract documents;
 - Names and details of key personnel;
 - Corrective actions and non-conforming work procedures;
 - List of employees who will work on site for the purpose of a police vet;
- 1.14 The care of the works shall be the responsibility of the Contractor. The Contractor shall be responsible for all damage including damage due to weather, careless or incompetent workmanship and handling, defective materials, or any other cause from the Contract commencement to the expiry of the defect's liability period.
- 1.15 Construction activities shall be undertaken to ensure vibrations produced do not cause damage to adjacent properties or structures.
- 1.16 The Contractor shall co-operate with the Local Authority's noise control officers. Assessment and measurement of noise levels shall be as per NZS 6803:1999 Acoustics and Construction Noise.
- 1.17 All fossils, artefacts, coins, articles of value or antiquity, or things of geological or archaeological interest discovered on the site shall be deemed to be the absolute property of the owner.
- 1.18 Any findings of the above shall be reported to the Engineer. All to remain undisturbed until approval is given for removal and all remain the property of the owner.
- 1.19 All works in the vicinity of electrical lines shall be carried out in full compliance with the Electricity Act 1992, Electricity Regulations 1993 and the Electricity Code of Practice No. 34 (NZCEP 34:2001).
- 1.20 The minimum working distances detailed in NZCEP 34:2001 shall be observed in all cases.
- 1.21 Contractors wishing to work within the minimum distances permitted by the regulations governing the undertaking of work near electricity lines are required to obtain written approval from the relevant power supply authority.

1.22 The Contractor shall locate and afford protection to all set out reference points, survey marks, survey pegs, form work, finished works, fences, existing trees and other such features that may be impacted by the Contract works.

1.23 The Contractor shall be responsible for safety of all workmen and other persons entering the Works, and shall at his own expense; where not stated otherwise take all measures, subject to the Engineer's approval, necessary to ensure their safety. Such measures shall include but not be limited to:

- Provision of safety and emergency regulations for fire, gas, and electric shock prevention, together with rescue operation plan.
- Safe control of flowing water.
- Provision and maintenance of suitable lighting to provide adequate illumination at place of work with appropriate spares and standby unit.
- Provision of safe access to any part of the works.
- Provision of notices in local dialect temporarily or permanently during construction at locations likely to be used by the public. Placement of such notices shall depend on the existence of the nature of work in the vicinity.
- Control of the access of personnel to the site, and erect hoarding around the perimeter of works to restrict unauthorised access into the site (includes extent of excavated areas, and other areas under the control of the Contractor at any point during construction).

1.24 Contractor to identify best Construction methodology, and notify the Council of construction phases.

1.25 The Contractor is to provide for supervision and monitoring of the construction works in accordance with the Council's requirements.

1.26 The Contractor is to notify and manage changes to design in accordance with Code of Practice and Safety in Design requirements. Note, substantial changes to the design during construction may require re-approval.

1.27 All completed works shall be approved by Council prior to placing any new assets into service. This shall include:

- Approval of as-built drawings.

- utilities, concrete slabs, hard scrape, asphalt and associated sub-grade fill, rubble and debris. The Contractor shall manage the effects of ground water. Temporary dewatering may be required. The effects of dewatering on adjoining properties should be considered and managed.
- Positive gradients must be provided adjacent to buildings to direct surface water away from foundations.
- All organic material shall be stripped from under the foundations. All soft spots to be fully excavated and backfilled as per the Geotechnical Engineer's direction.
- The Contractor shall submit the construction methodology for all ground excavations to the Geotechnical Engineer for review prior to commencement of construction.
- The Contractor shall ensure that all necessary safety precautions are employed around excavations as indicated in Section 1.0. Where excavations are to exceed 1.5m in height, the Contractor shall install temporary support of the excavation to be confirmed with the Geotechnical Engineer.
- For deep excavations, the trench width is to be sufficient to provide safe access and to accommodate shoring to OSH requirements.
- Width of bottom of trench up to 300mm above top of pipe to be pipe diameter plus 300mm.
- Open not more than 120 metres of trench at any one time. Excavated trench to a minimum width of pipe diameter plus 300mm. Do not batter or cut the trench wider above the top of the pipe.
- Place to NZBC G13/AS2: Foul water drainage, 5.0 Installation, figure 7, Bedding and Backfilling, using compacted granular material to avoid differential settlement and to obtain longitudinal support of the pipe.
- Place to NZBC G13/AS2: Foul water drainage, 5.0 Installation, figure 7, Bedding and Backfilling, using compacted granular material and compacted fill. Compact in layers not exceeding 100mm.
- ## **SEDIMENT CONTROL PLAN (SCP)**
- ### **General**
- 4.1.1 All sediment control structures are to be installed prior to construction of the proposed warehouse and office.
- 4.1.2 All ground cover vegetation outside the immediate earthworks area is to be preserved during the construction phase. Vegetated areas shall remain

introduced without the permission of the Engineer. Minimum lap lengths for plain bars shall be 45d_b. Minimum lap length for deformed bars (in mm) based on 20MPa concrete and ‘top’ bar:

DEVELOPMENT LENGTH		
<i>Dia. (mm)</i>	<i>Gr 300E</i>	<i>Gr 500E</i>
10	450	750
12	550	900
16	700	1200
20	900	1500
25	1100	1850

- 6.20 Lap the mesh in the slab by 250mm.
- 6.21 Hooked development length of bars in 20MPa concrete:

STANDARD HOOK DEVELOPMENT LENGTH		
<i>Dia. (mm)</i>	<i>Gr 300E</i>	<i>Gr 500E</i>
10	200	300
12	200	350
16	300	450
20	350	550
25	450	700

- 6.22 Bending of reinforcement shall comply with NZS 3101:

MAIN REBAR BENDS		
<i>Steel Grade</i>	<i>Bar Dia. (mm)</i>	<i>Min. Bend Dia.</i>
Grade 300E/500E	6-20	5d
Grade 300E/500E	25-32	6d

GALVANISED DEFORMED BARS		
<i>Steel Grade</i>	<i>Bar Dia. (mm)</i>	<i>Min. Bend Dia.</i>
Grade 300E/500E	<16mm	5d
Grade 300E/500E	>20mm	8d

STIRRUPS & TIE HOOK BENDS (<i>min. bend 135°</i>)			
<i>Steel Grade</i>	<i>Bar Dia. (mm)</i>	<i>Min. Bend Dia.</i>	
		<i>Plain</i>	<i>Deform.</i>
Grade 300E/500E	6-20	2d	4d
Grade 300E/500E	25-40	3d	6d

- 6.23 All spiral reinforcing shall be anchored at both free ends by one of the following means, unless specified otherwise:
- By anchoring the spiral stirrup with a 135° stirrup hook which is anchored around a longitudinal bar, the stirrup hook shall be located within a clear distance of 25mm or less from the previous spiral turn.
 - By anchoring the spiral stirrup with a welded single or double lap splice to the

previous spiral turn. Only grade 300E bars are permitted for welded connections.

- 6.24 Individual spirals of spiral reinforcing shall be lap spliced by one of the following means, unless specified otherwise:
- By lapping the spiral stirrup with a contact lap splice utilising standard 135° stirrup hooks with a minimum lap splice length as noted. The minimum lap splice length for spirals made up of plain bars shall be twice the anchorage length as noted in.
 - By lapping the spiral stirrup with a welded single or double lap splice. Only grade 300E bars are permitted for welded connections.
- 6.25 Where hooks are specified on reinforcing bars (where the diameter is equal or less than 20mm) they shall consist of either:
- A 180 degree turn plus an 80mm extension.
 - A 90 degree turn plus a 240mm extension.
- 6.26 Reinforcing shall have the following minimum covers:
- 50mm to exterior air and protected ground (i.e. DPM).
 - 75mm to unprotected ground.
 - 30mm to interior air (top of slab).

7.0 DRAINAGE AND SERVICES

- 7.1 Drainlayers to be experienced, competent and familiar with the materials and techniques specified. Carry out all work under the direct supervision of a certifying drainlayer under the Plumbers, Gasfitters and Drainlayers Act 2006.
- 7.2 It is the Contractors responsibility to locate and protect/divert (if necessary) any existing services within the area of the proposed works prior to the commencement of the construction works. Where relevant existing services shall be removed and reinstated in accordance with the relevant codes and utility service provider standards.
- 7.3 All existing soak holes and septic tanks on-site to be abandoned and removed and replaced with approved backfill material.
- 7.4 Refer to Section 3.0 for all bedding and backfill requirements around pipework.
- 7.5 Use string line, boning rod or laser equipment methods. Use surveying and levelling equipment to accurately set out design invert levels.
- 7.6 Only Council approved Contractors shall make connections to live public assets. Contractor to ensure that all necessary approvals and investigations are in place prior to making connection. Additionally, the asset inspector

shall be notified in advance of the new connection being installed.

- 7.7 All PVC pipework shall be SN16 unless otherwise stated, and in accordance with AS/NZS 1254 or AS/NZS 1260, and installed as per AS/NZS 2032 or AS/NZS 2566.1 and AS/NZS 2566.2.
- 7.8 Polyethylene pipe and fittings shall be in accordance with AS/NZS 5065, and installed as per AS/NZS 2033.
- 7.9 Pipes to be laid in straight lines between changes of line or grade from the lower end of the pipeline with sockets pointing uphill, each pipe set true to line and grade and each joint completed before the next pipe is laid. To prevent entry of foreign matter cap ends of uncompleted runs each day. Test drains and backfill progressively to minimise site disruption. Concrete cap trenches to all drains with less than 375mm cover.
- 7.10 All manholes to be 1050mm dia. reinforced concrete manholes (in accordance with Christchurch City Council’s requirements), unless otherwise stated.
- 7.11 The Contractor shall provide flexible jointing, bedding and surrounding of pipes at junctions with manholes, foundation walls and other points where differential settlement may occur.
- 7.12 Inspection and access chambers are to be circular precast concrete or plastic to NZBC G13/AS2: Foul water drainage, 5.7, Access points, complete with removable cast iron lid and frame.
- 7.13 All cesspit frames and manhole lids shall be heavy duty and trafficable.
- 7.14 Service and utility works shall be undertaken in accordance with the relevant regulatory rules and regulations. Contractor to liaise and obtain necessary permits with affected utility providers.
- 7.15 Completely remove any existing drains no longer required and disconnect from the system at the junction with the live drain. Seal the live drain to the requirements of NZBC G13/AS2: Foul water drainage, 5.10 Disused drains.
- 7.16 All subsoil drainage (for site retaining walls etc) to be directed to the nearest cess pit, as indicated on the relevant drainage plans. Subsoil drainage shall be wrapped in an approved filter fabric laid at a minimum fall of 1:200. Refer to RCE’s Structural Drawings for the site retaining wall layout and construction.

DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

KEY

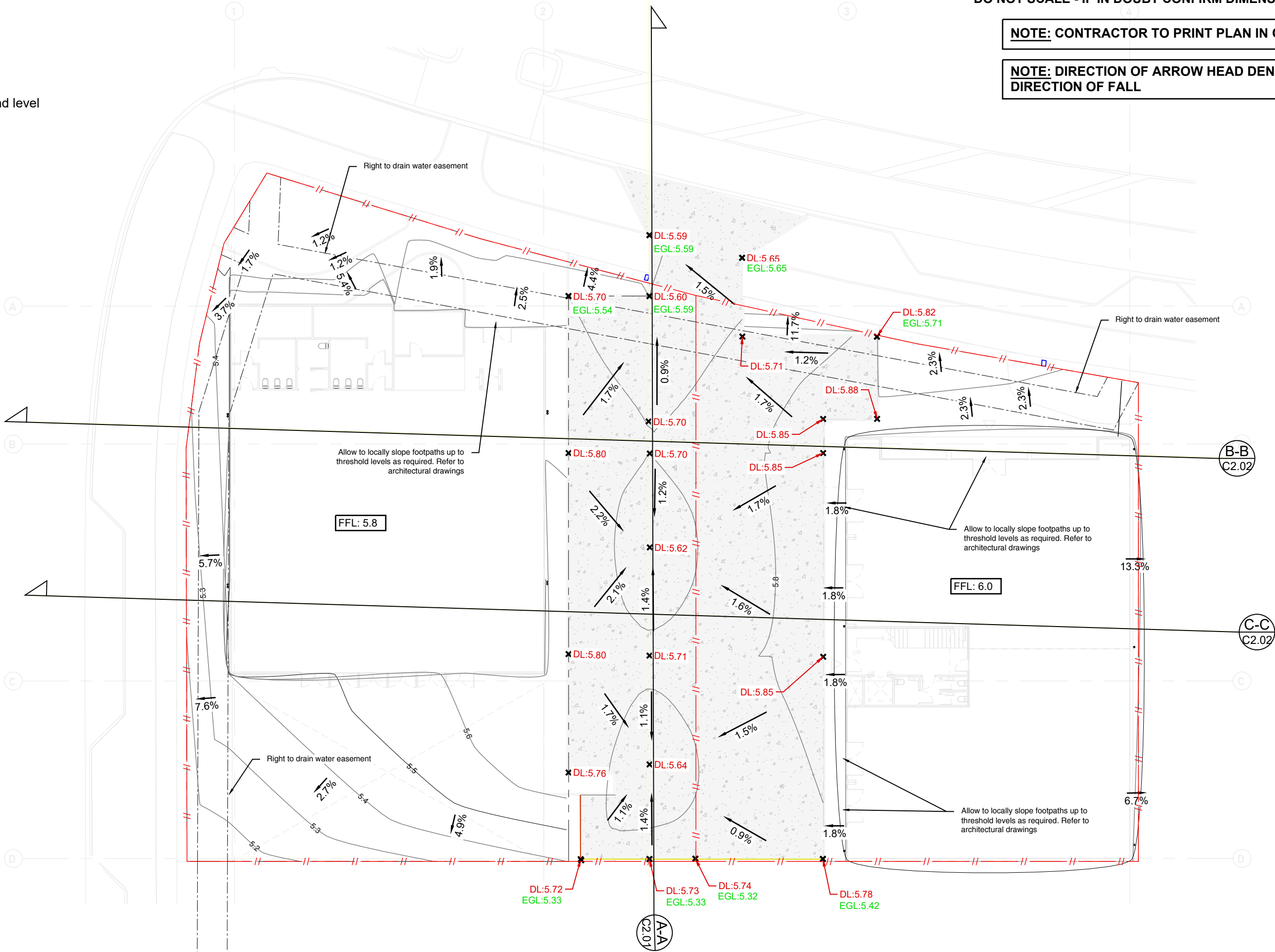
DL = Design level

EGL = Existing Ground level

-- Site boundary

NOTE: CONTRACTOR TO PRINT PLAN IN COLOUR

NOTE: DIRECTION OF ARROW HEAD DENOTES DIRECTION OF FALL



THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

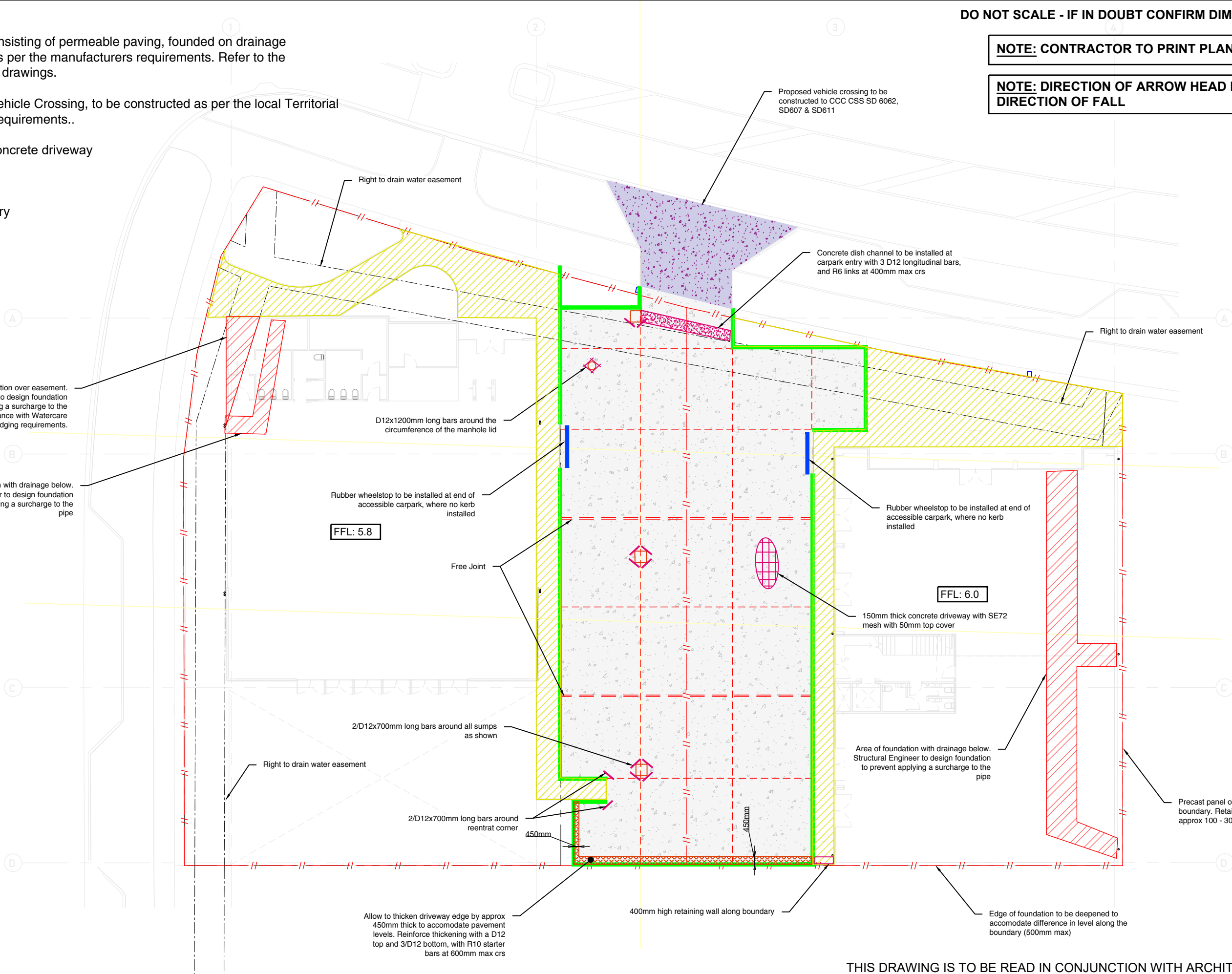
KEY

- Footpath consisting of permeable paving, founded on drainage aggregate as per the manufacturers requirements. Refer to the architectural drawings.
- Proposed Vehicle Crossing, to be constructed as per the local Territorial Authorities requirements..
- Proposed concrete driveway
- Kerb
- Site boundary

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NOTE: DIRECTION OF ARROW HEAD DENOTES DIRECTION OF FALL



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REV NO.	REVISION	DATE	APPROVED	PROJECT NOA24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3 1:250	DRAWN JK
				REV NO. A	SHEET NO. C1.02

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS

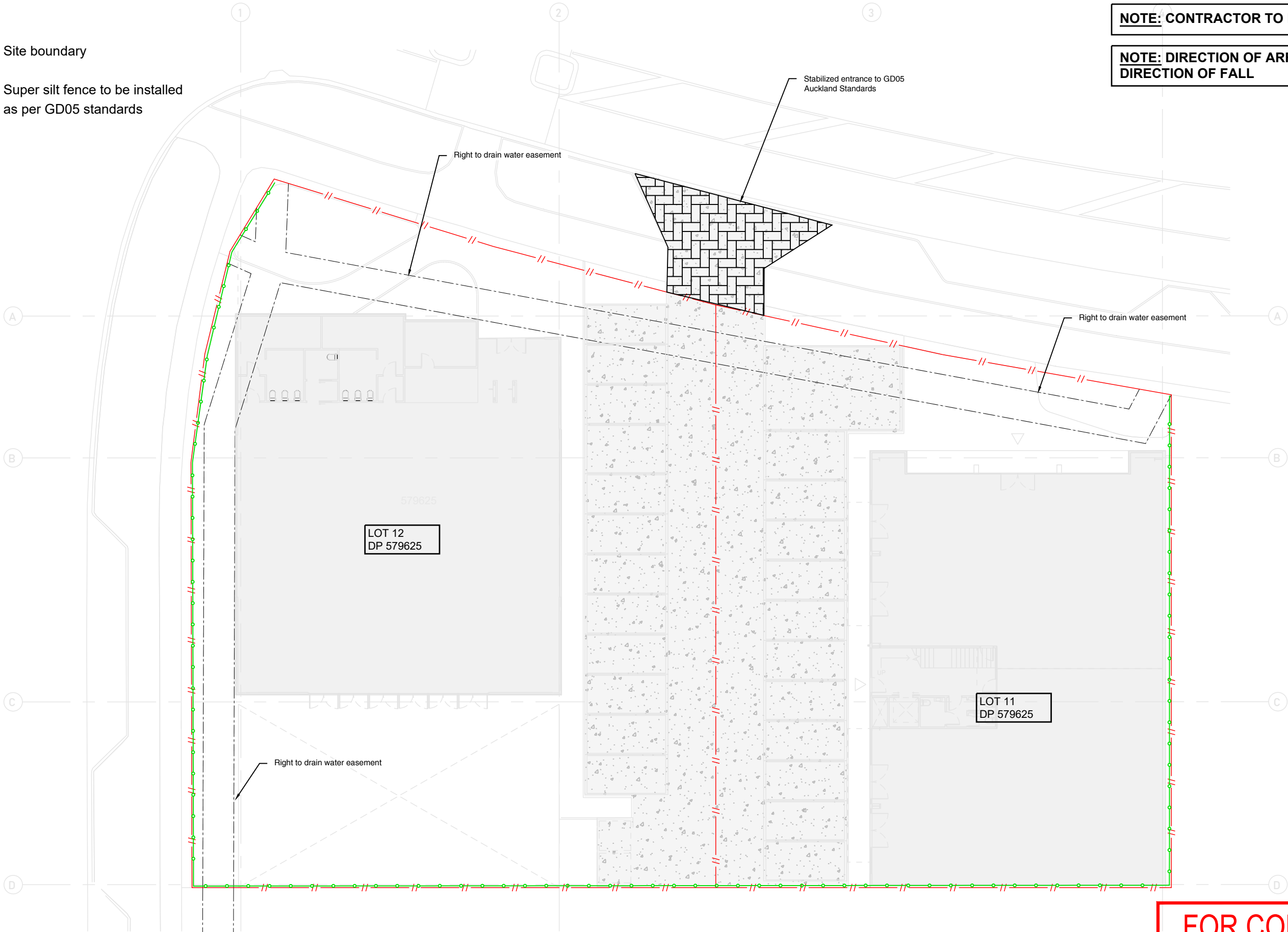
DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

KEY

- Site boundary
- Super silt fence to be installed as per GD05 standards

NOTE: CONTRACTOR TO PRINT PLAN IN COLOUR

NOTE: DIRECTION OF ARROW HEAD DENOTES DIRECTION OF FALL



FOR CONSTRUCTION

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Christchurch office: (03) 347 1624
Auckland office: (09) 3911324
Website: rcengineers.co.nz
Email: rce@rcengineers.co.nz

PROJECT TITLE
CIVIL DESIGN - COMMERCIAL
BUILDING 5 & 7 EAGLE RAY
ROAD, MANGAWHAI

DRAWING TITLE
PROPOSED SEDIMENT
CONTROL PLAN

REV NO.	REVISION	DATE	APPROVED	PROJECT NOA24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3 1:250	DRAWN JK
				REV NO. A	SHEET NO. C1.03

NOTE: CONTRACTOR TO PRINT PLAN IN COLOUR

KEY

Site boundary

Surface Analysis: Elevation Ranges			
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1		-0.211	-0.150
2		-0.150	0.000
3		0.000	0.150
4		0.150	0.300
5		0.300	0.500
6		0.500	0.600



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOLUME SURFACE	1.000	1.000	2442.677sq.m	2,898 Cu. M.	566.232 Cu. M.	563.334 Cu. M.<Fill>
Totals			2442.677sq.m	2,898 Cu. M.	566.232 Cu. M.	563.334 Cu. M.<Fill>

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RICHARDS CONSULTING ENGINEERS	Christchurch office: (03) 347 1624 Auckland office: (09) 3911324 Website: rcengineers.co.nz Email: rce@rcengineers.co.nz	CIVIL DESIGN - COMMERCIAL BUILDING 5 & 7 EAGLE RAY ROAD, MANGAWHAI	DRAWING TITLE CUT AND FILL PLAN	REV NO.	REVISION	DATE	APPROVED	PROJECT NOA24339.C	DESIGNED ZQ
				1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3 1:250	DRAWN JK
								REV NO. A	SHEET NO. C1.04

KEY

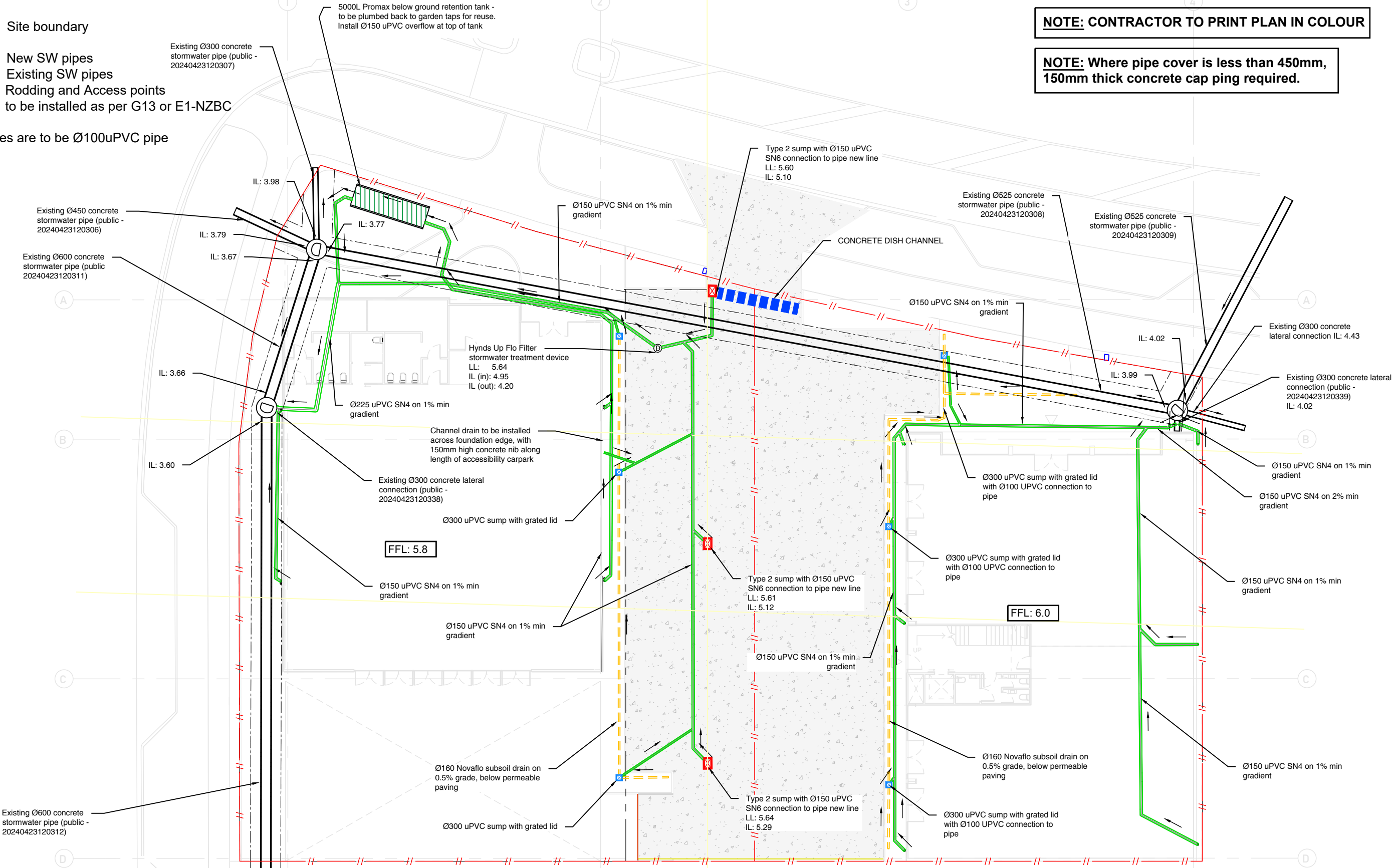
- Site boundary
- New SW pipes
- Existing SW pipes
- Rodding and Access points to be installed as per G13 or E1-NZBC

All downpipes are to be Ø100uPVC pipe

DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

NOTE: CONTRACTOR TO PRINT PLAN IN COLOUR

NOTE: Where pipe cover is less than 450mm, 150mm thick concrete cap ping required.



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REV NO.	REVISION	DATE	APPROVED	PROJECT NO	DESIGNED
1.	RESOURCE CONSENT	FEB 2025	SR	A24339.C	ZQ
				SCALE @ A3 1:250	DRAWN JK
				REV NO. A	SHEET NO. C1.05

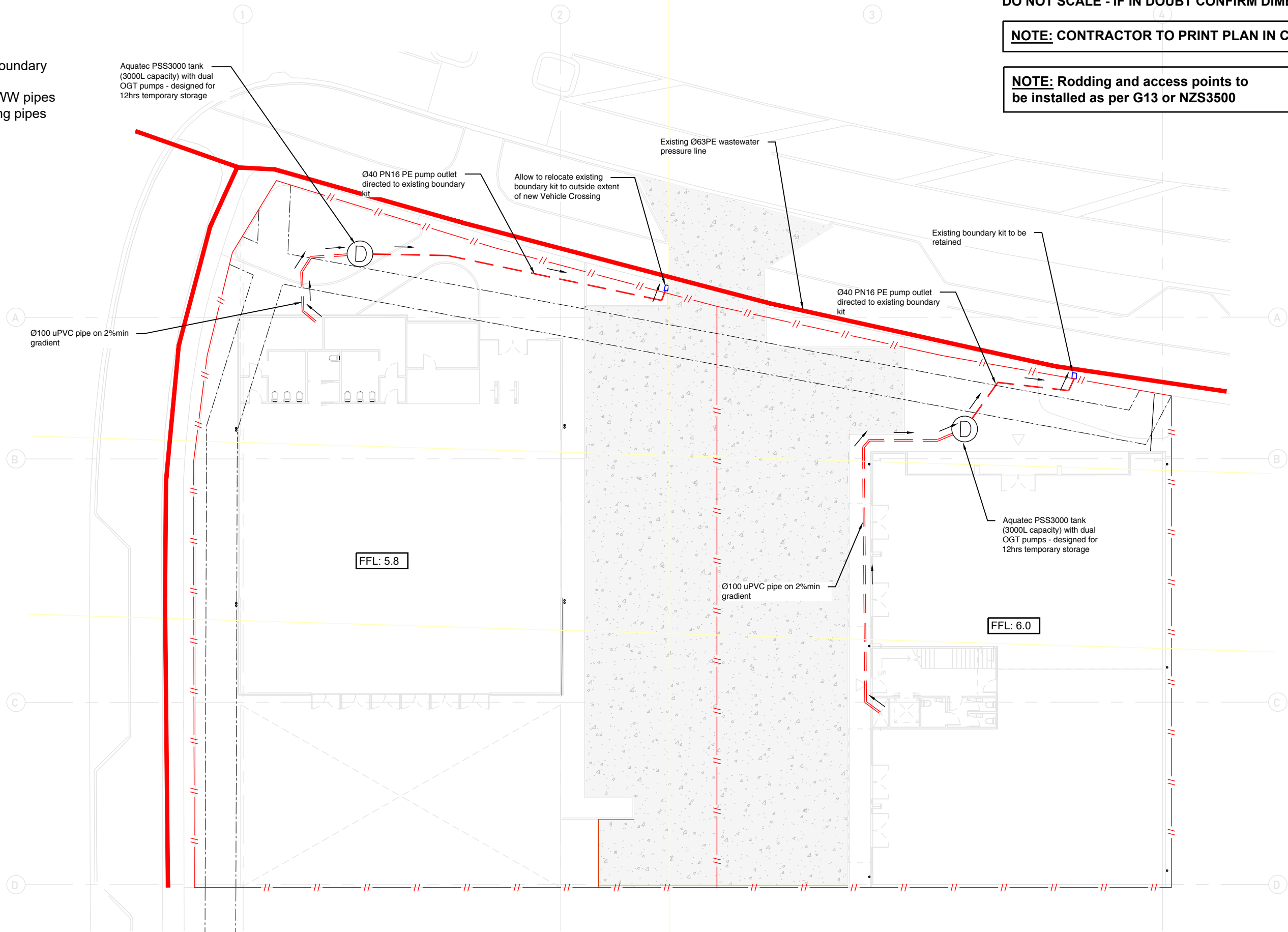
DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

NOTE: CONTRACTOR TO PRINT PLAN IN COLOUR

NOTE: Rodding and access points to be installed as per G13 or NZS3500

KEY

- Site boundary
- New WW pipes
- Existing pipes



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ROAD, MANGAWHAI

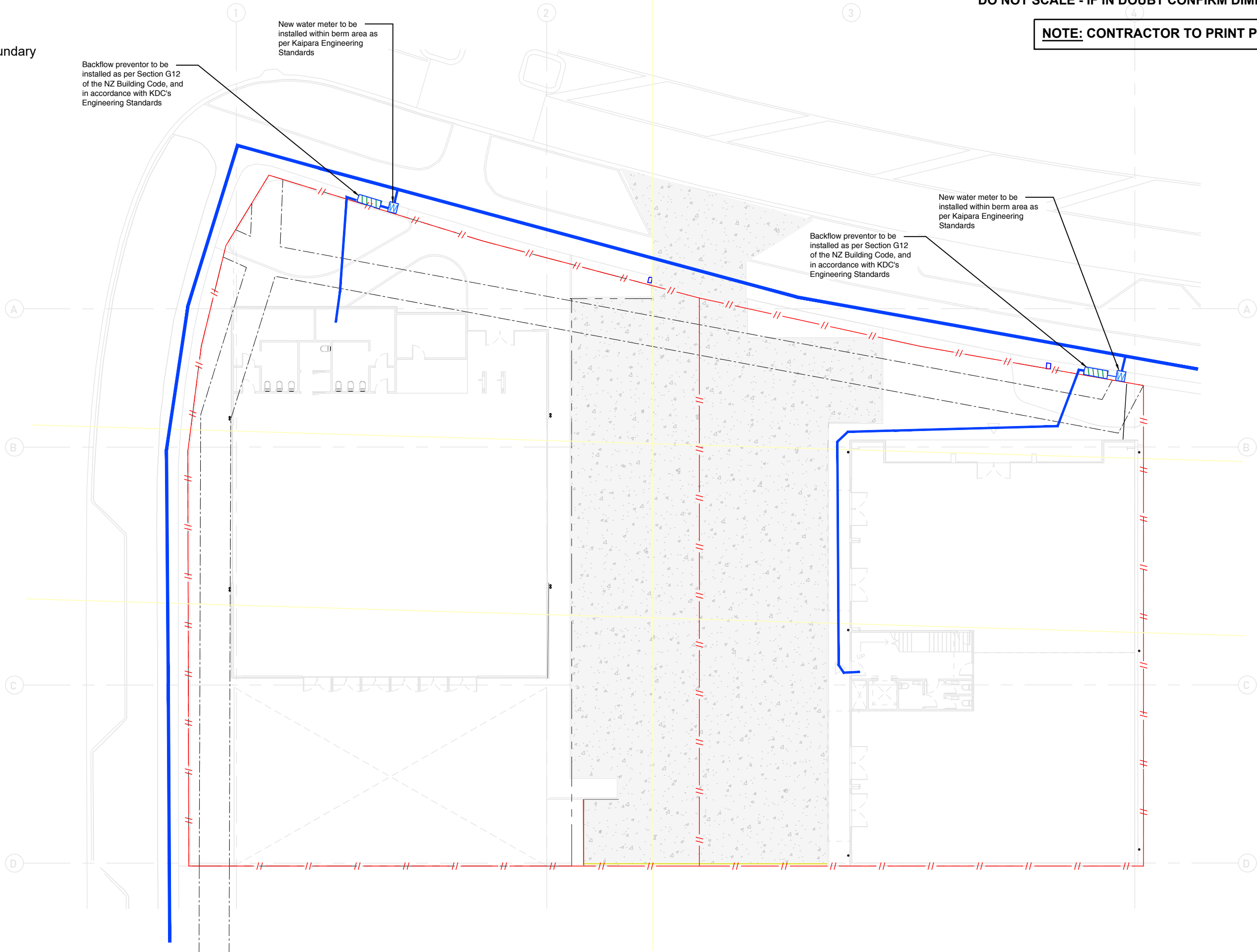
DRAWING TITLE
PROPOSED WASTE WATER
LAYOUT

REV NO.	REVISION	DATE	APPROVED	PROJECT NO	DESIGNED
1.	RESOURCE CONSENT	FEB 2025	SR	A24339.C	ZQ
				SCALE @ A3 1:250	DRAWN JK
				REV NO. A	SHEET NO. C1.06

KEY

Site boundary

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ROAD, MANGAWHAI

DRAWING TITLE
WATER SUPPLY PLAN

REV NO.	REVISION	DATE	APPROVED	PROJECT NOA24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3 1:250	DRAWN JK
				REV NO. A	SHEET NO. C1.07

KEY

- Designed ground level
- Existing ground level

VERT EXAG 1:2
Datum 0.000

DESIGN LEVELS				5.694		5.632		5.689		5.725	
EXISTING LEVELS		5.474		5.604		5.553		5.547		5.438	
DEPTH					0.142		0.086		0.251		0.396
CHAINAGE	0.000	10.000	20.000	30.000		40.000		50.000		60.000	66.000

Edge thickening at the boundary

A-A
C1.01

LONG SECTION ALONG DRIVEWAY

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

KEY

DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

———— Designed ground level

— — — — Existing ground level

VERT EXAG 1:2
Datum 0.000

[illegible]

CROSS SECTION B-B

VERT EXAG 1:2
Datum 0.000

VERT EXAG 1:2 Datum 0.000	
DESIGN LEVELS	
EXISTING LEVEL	
DEPTH	
CHAINAGE	

C-C CROSS SECTION C-C

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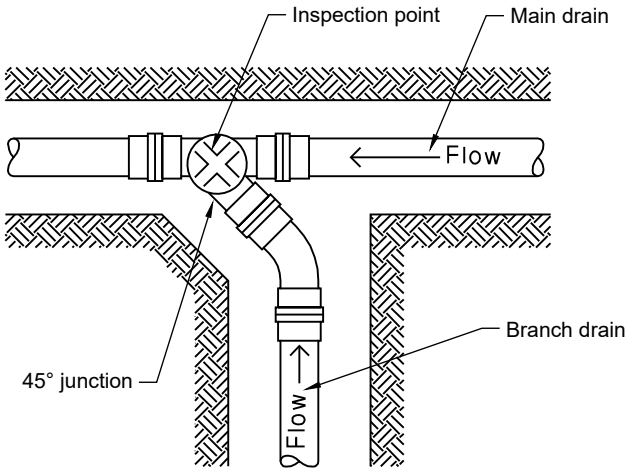
DRAWING TITLE

CROSS SECTIONS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO A24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3	DRAWN JK
				REV NO. 1	SHEET NO. C2.02

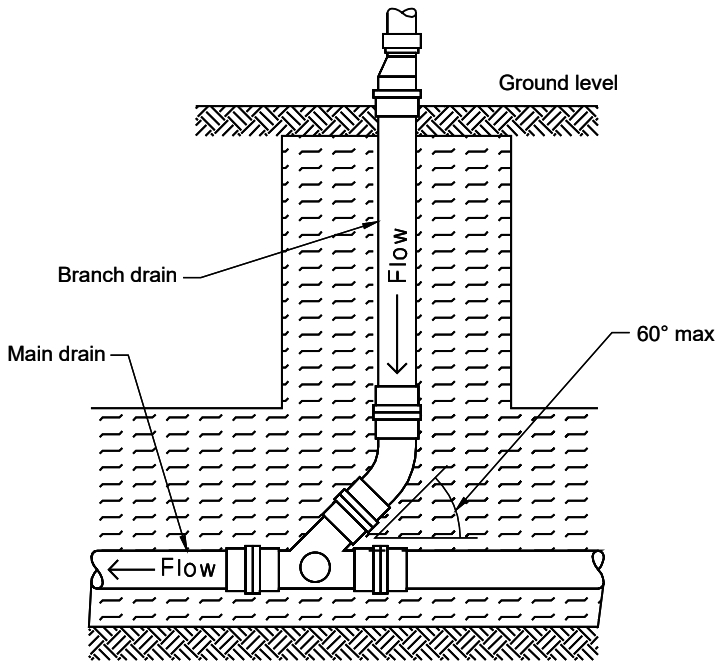
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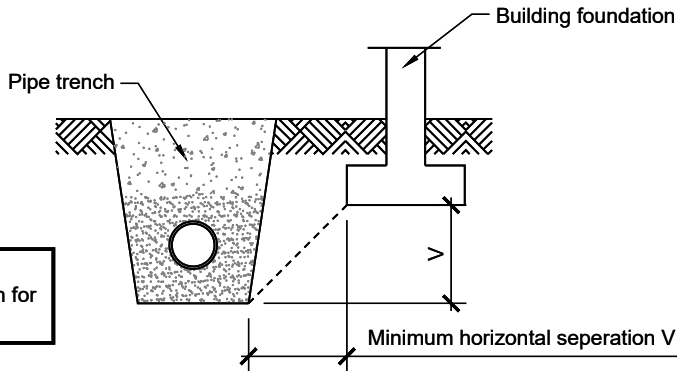
INSPECTION POINT HORIZONTAL CONNECTION

SCALE 1:20



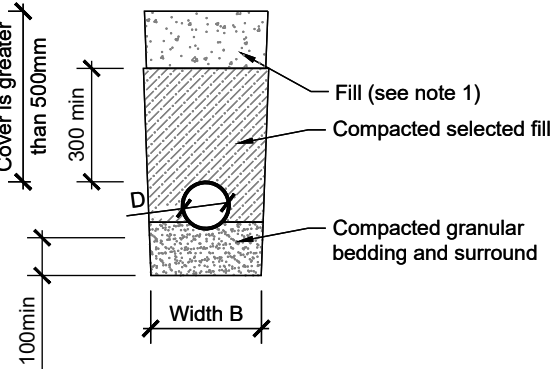
INSPECTION POINT VERTICAL CONNECTION

SCALE 1:20



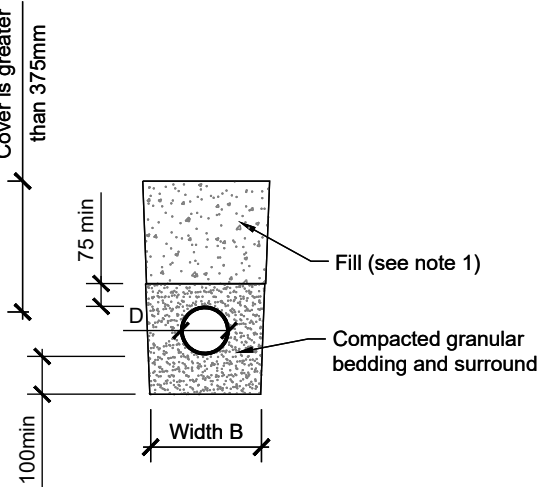
RELATIONSHIP OF PIPE TRENCH TO BUILDING

SCALE 1:20



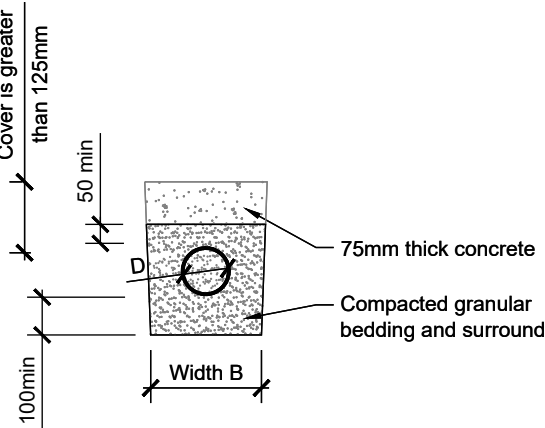
COVER GREATER THAN 500mm

SCALE 1:20



COVER GREATER THAN 375mm

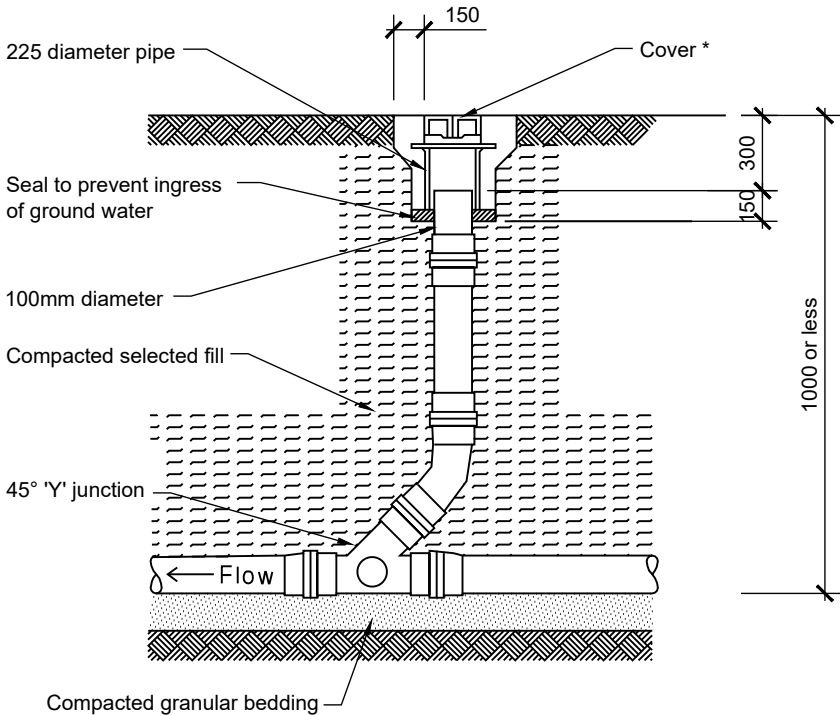
SCALE 1:20



COVER BETWEEN 125mm & 375mm

SCALE 1:20

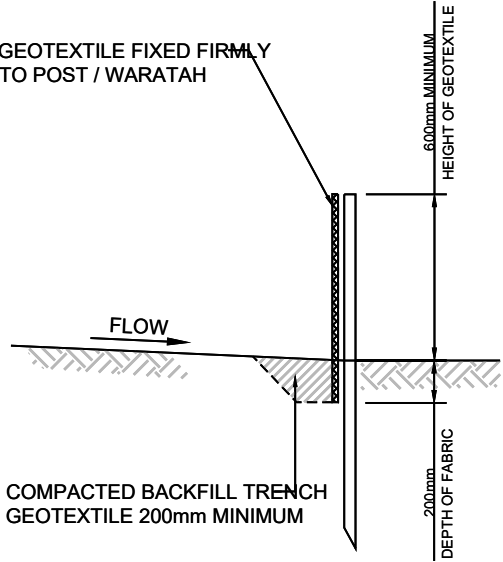
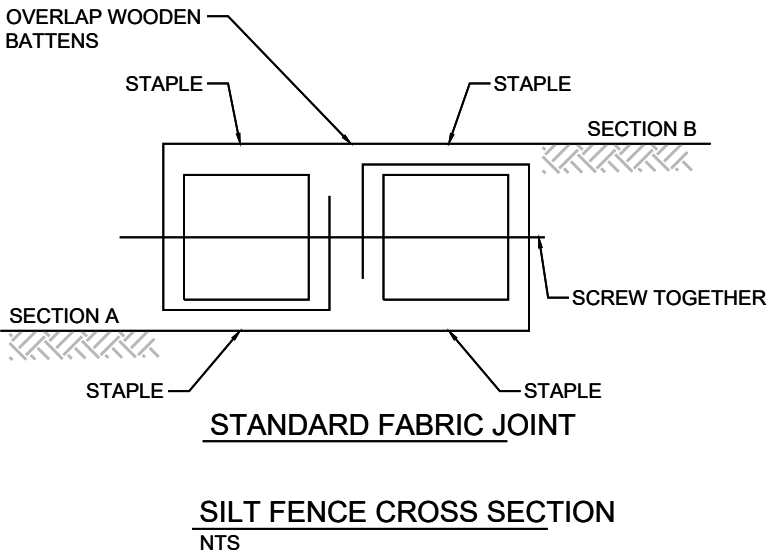
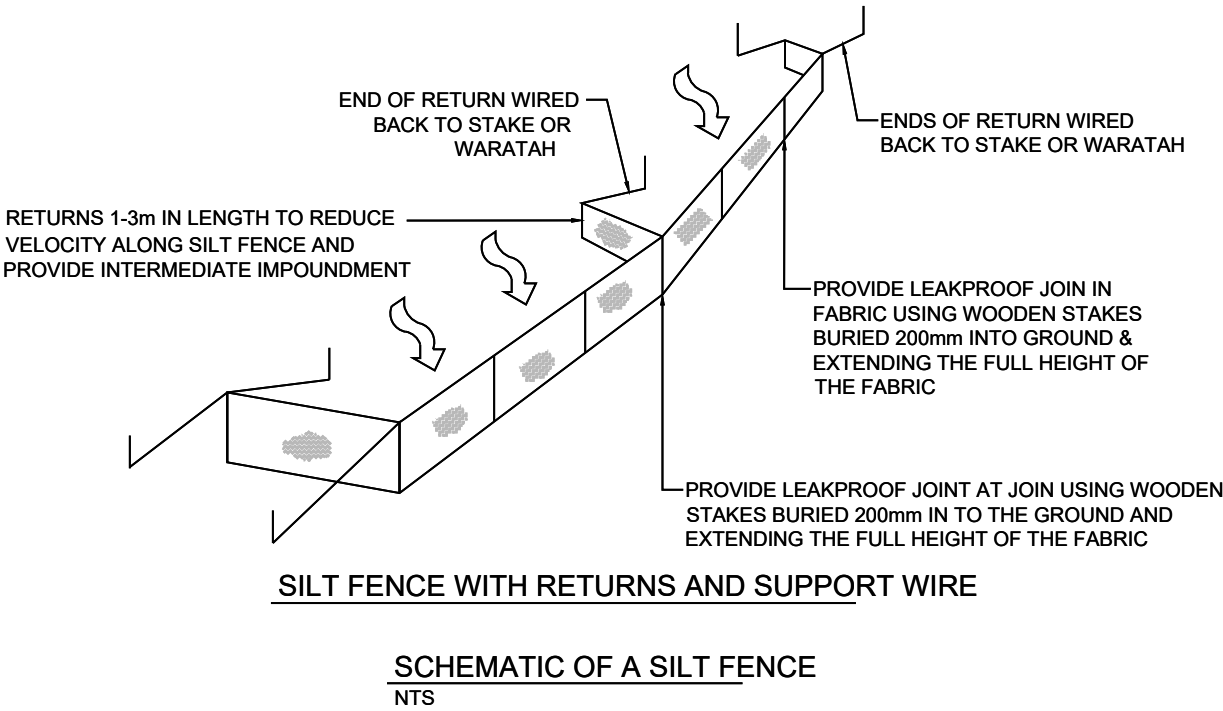
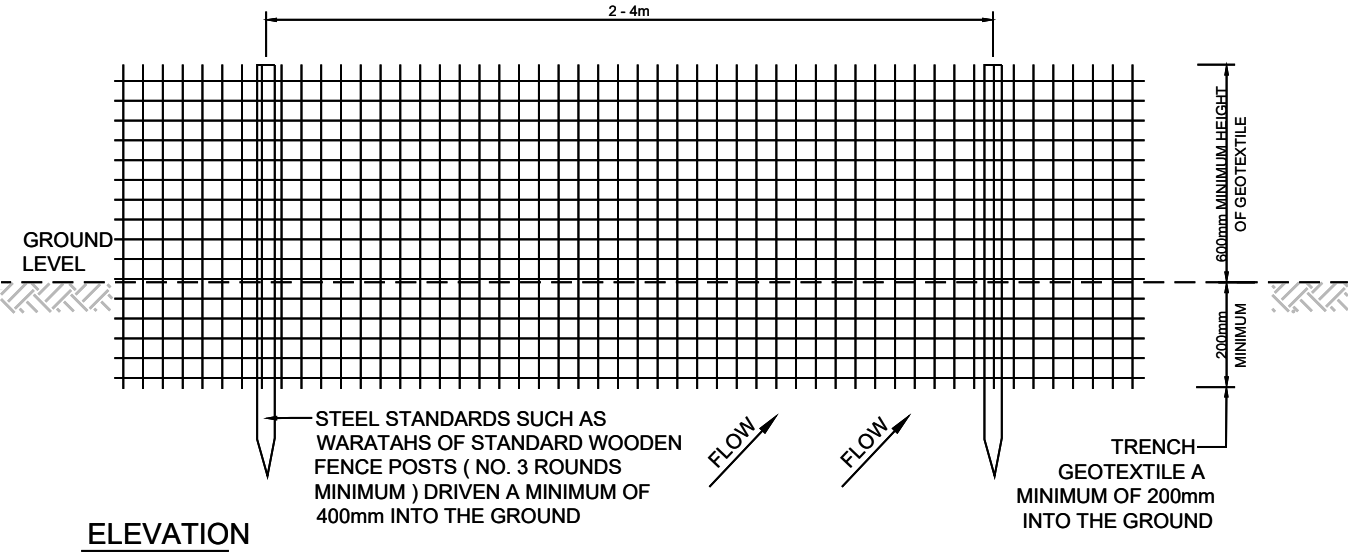
- NOTE
1. Fill shall be
 - Ordinary fill where drains are located below gardens and open country
 - Compacted selected fill where the drains are located below residential driveways and similar areas subject to light traffic



* Where the rodding point is located inside a building the cover shall be sealed at floor level

INSPECTION POINT DETAIL

SCALE 1:20



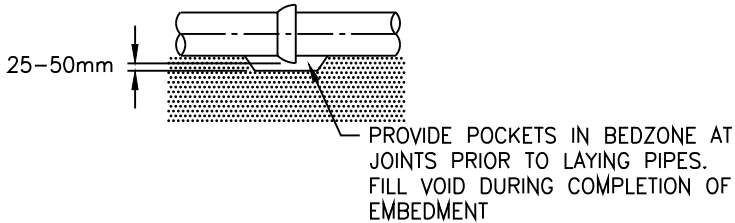
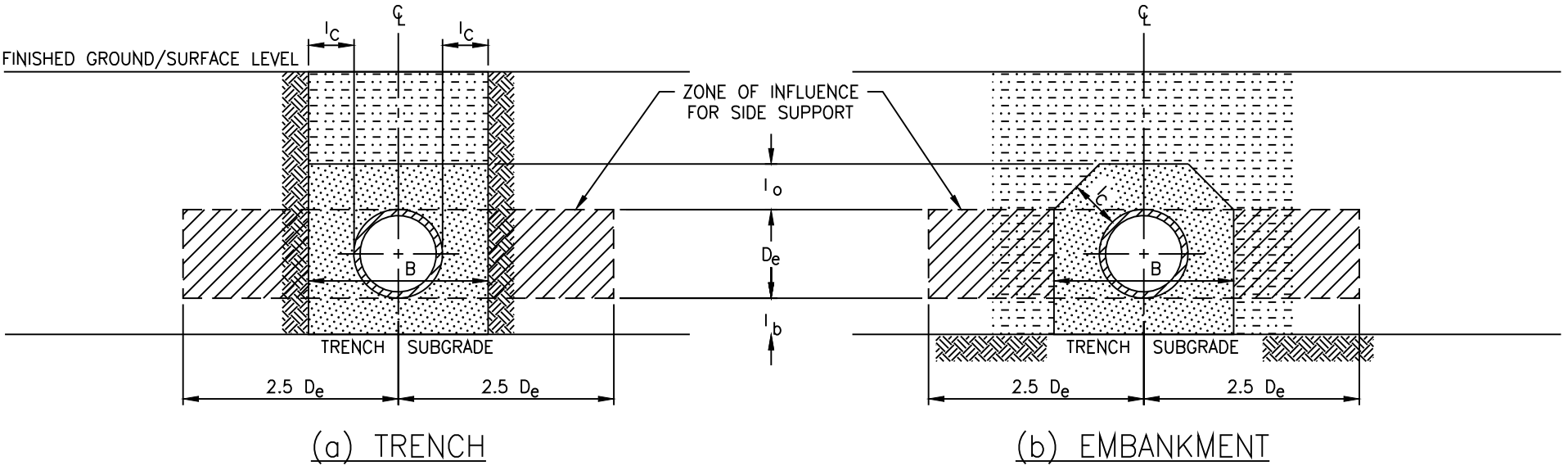
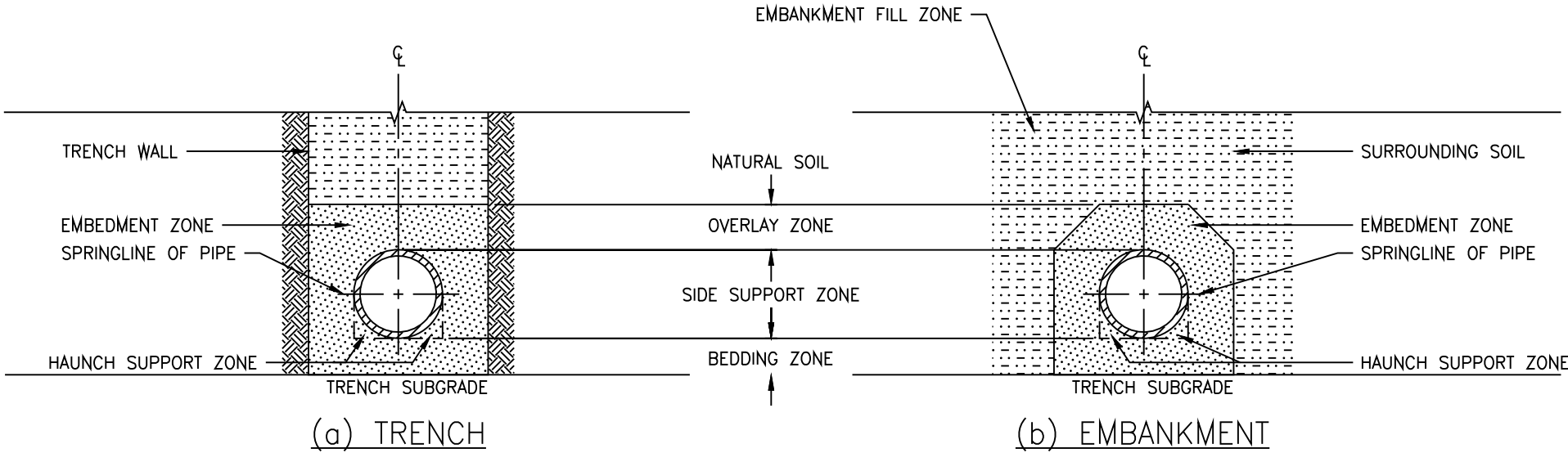
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO. A24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3	DRAWN JK
				REV NO. 1	SHEET NO. C3.04

DO NOT SCALE - IF IN DOUBT CONFIRM DIMENSIONS ON SITE

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SW01.
2. FLEXIBLE PIPES INCLUDES PVC, GRP, PP AND PE.
3. PLACEMENT OF EMBEDMENT, TRENCHFILL, & COMPACTION SHALL MEET THE REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS.
4. EXCAVATE OR COMPACT TRENCH FLOOR TO PROVIDE A FLAT FIRM BASE TO SUPPORT BEDDING MATERIAL AND MINIMISE PIPELINE SETTLEMENT. REPLACE EXCAVATED MATERIAL WITH SUITABLE GRANULAR MATERIAL FOR BEDDING.
5. ENSURE THAT THE BEDDING IS DEEP ENOUGH SO THAT PIPE JOINT PROJECTIONS (SOCKETS, FLANGES) DO NOT TOUCH THE TRENCH FLOOR (SEE DETAIL BELOW).
6. BEDDING MATERIALS SHALL BE GAP/SAP < 12.
7. THIS DRAWING IS BASED ON AS/NZS 2566 PART 2: 2002 "BURIED FLEXIBLE PIPELINES & INSTALLATION" AND REPRODUCED WITH THE PERMISSION OF STANDARDS NEW ZEALAND.



PIPE JOINT BEDDING POCKETS
FOR JOINT PROJECTIONS

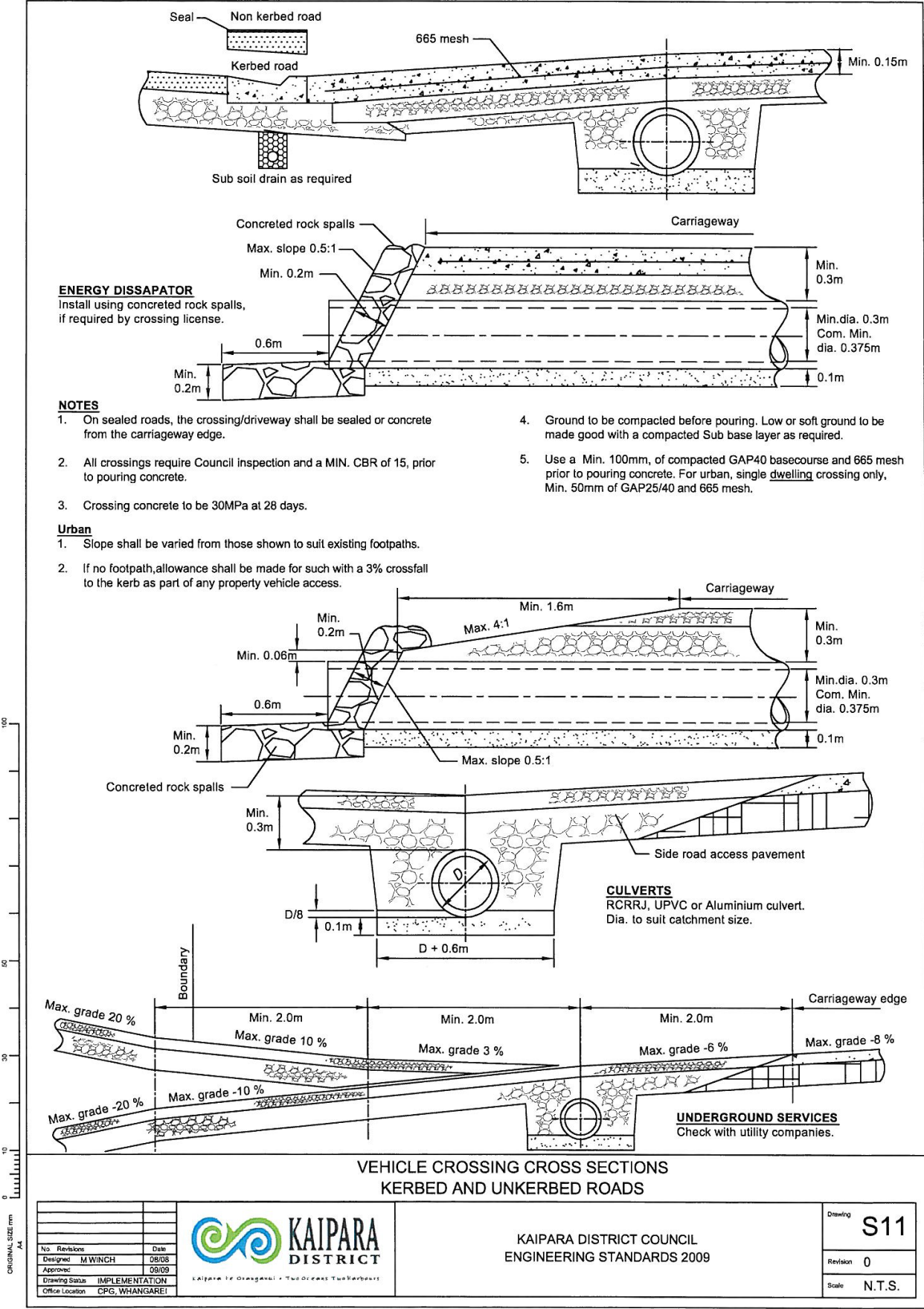
MINIMUM EMBEDMENT ZONE DIMENSIONS

D_e (mm)	MINIMUM DIMENSION (mm)			
	l_b	l_c	l_o	$B = D_e + 2l_c$
$75 \leq D_e \leq 150$	75	100	100	275 - 350
$150 < D_e \leq 300$	100	150	150	450 - 600
$300 < D_e \leq 450$	100	200	150	700 - 850
$450 < D_e \leq 900$	150	300	150	1050 - 1500
$900 < D_e \leq 1500$	150	350	200	1600 - 2200
$1500 < D_e \leq 4000$	150	$0.25D_e$	300	2250 - 6000

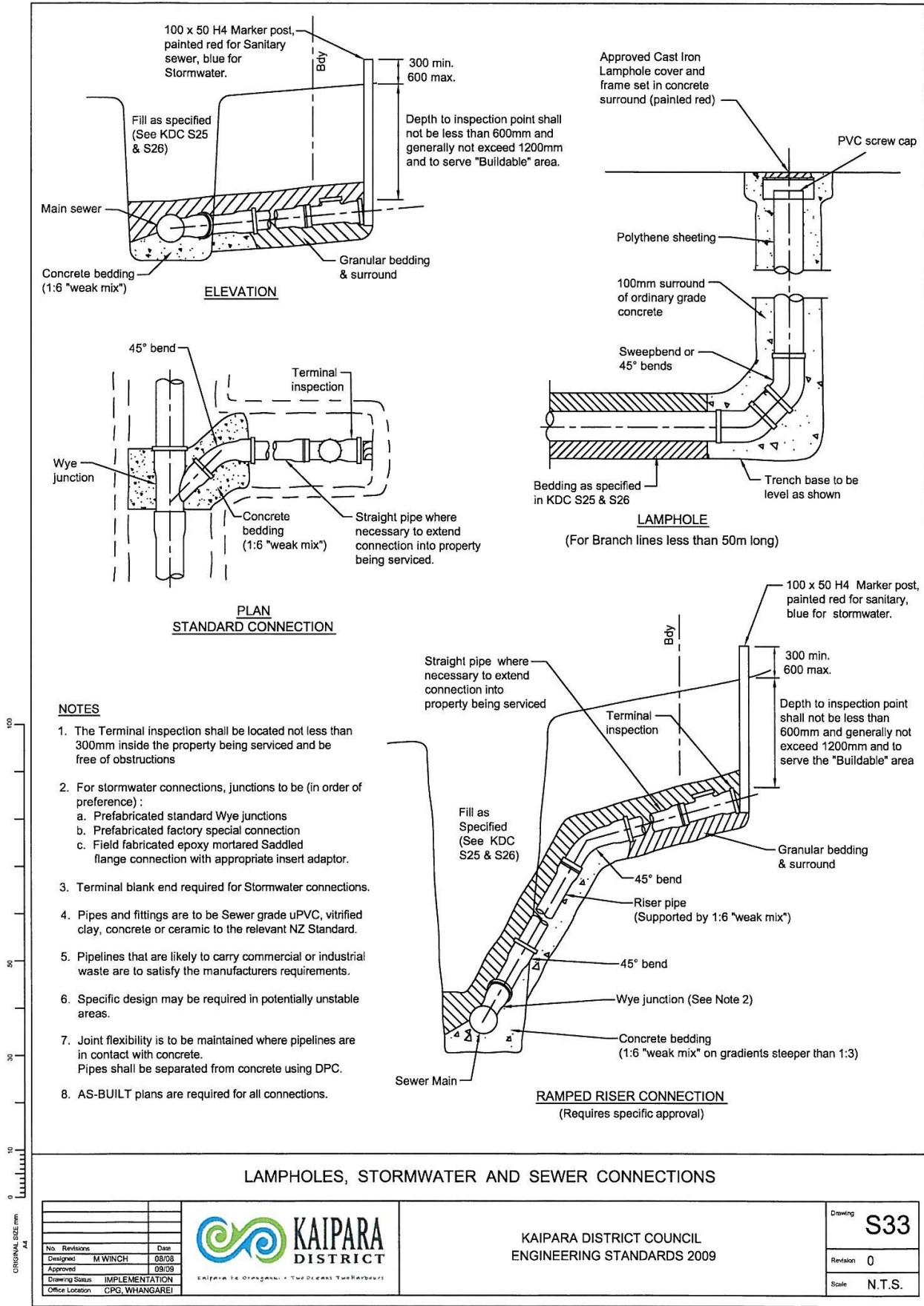
DEFINITIONS OF SYMBOLS USED:

- B TRENCH WIDTH
 D_e EXTERNAL DIAMETER OF PIPELINE.
 l_b DEPTH OF BEDDING UNDER BARREL OF PIPELINE.
 l_c MINIMUM DISTANCE BETWEEN SPRINGLINE OF PIPE AND PERMANENT SIDE OF TRENCH.
 l_o MINIMUM DEPTH OF COVER OVER SOFFIT OF PIPELINE.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS



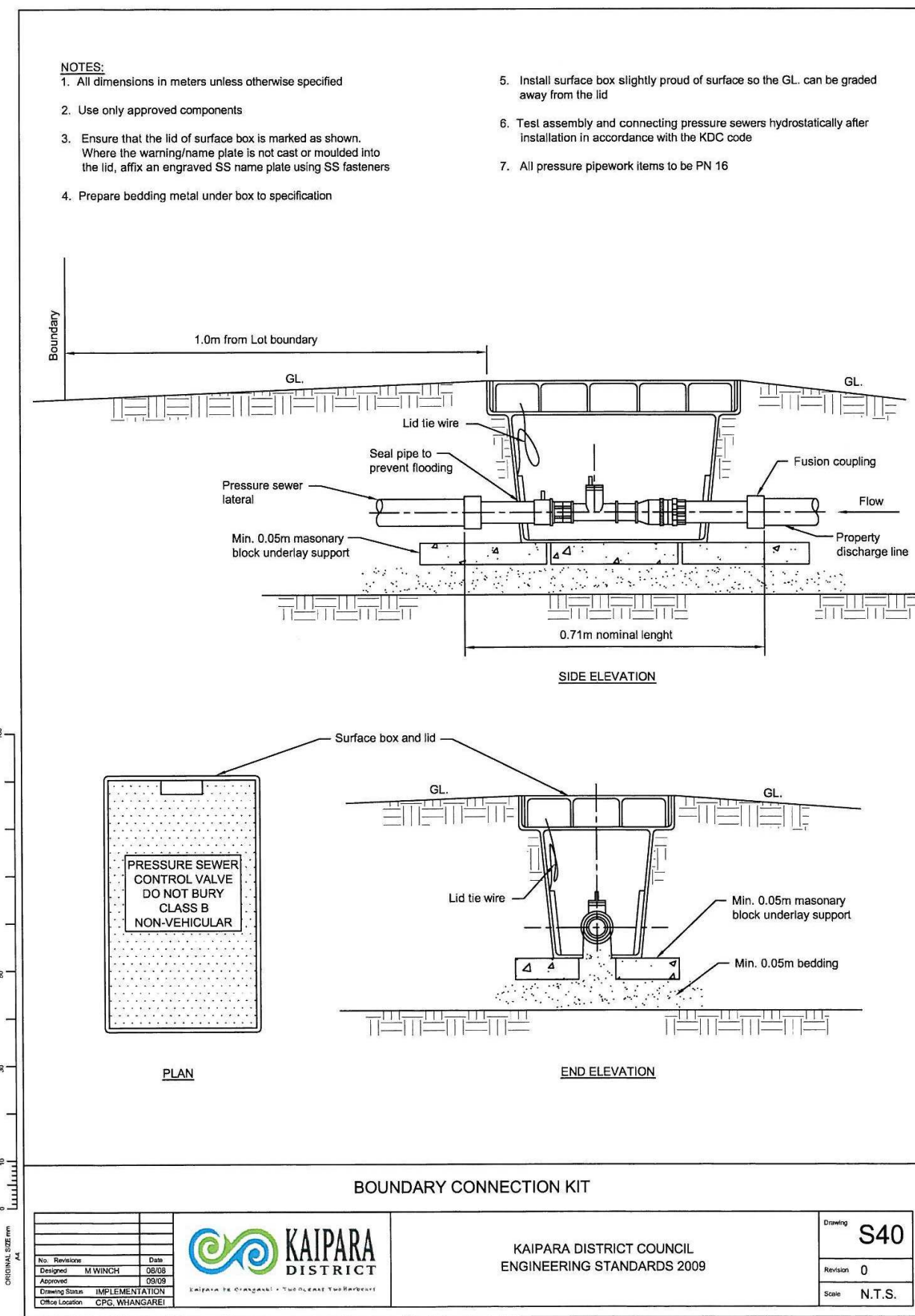
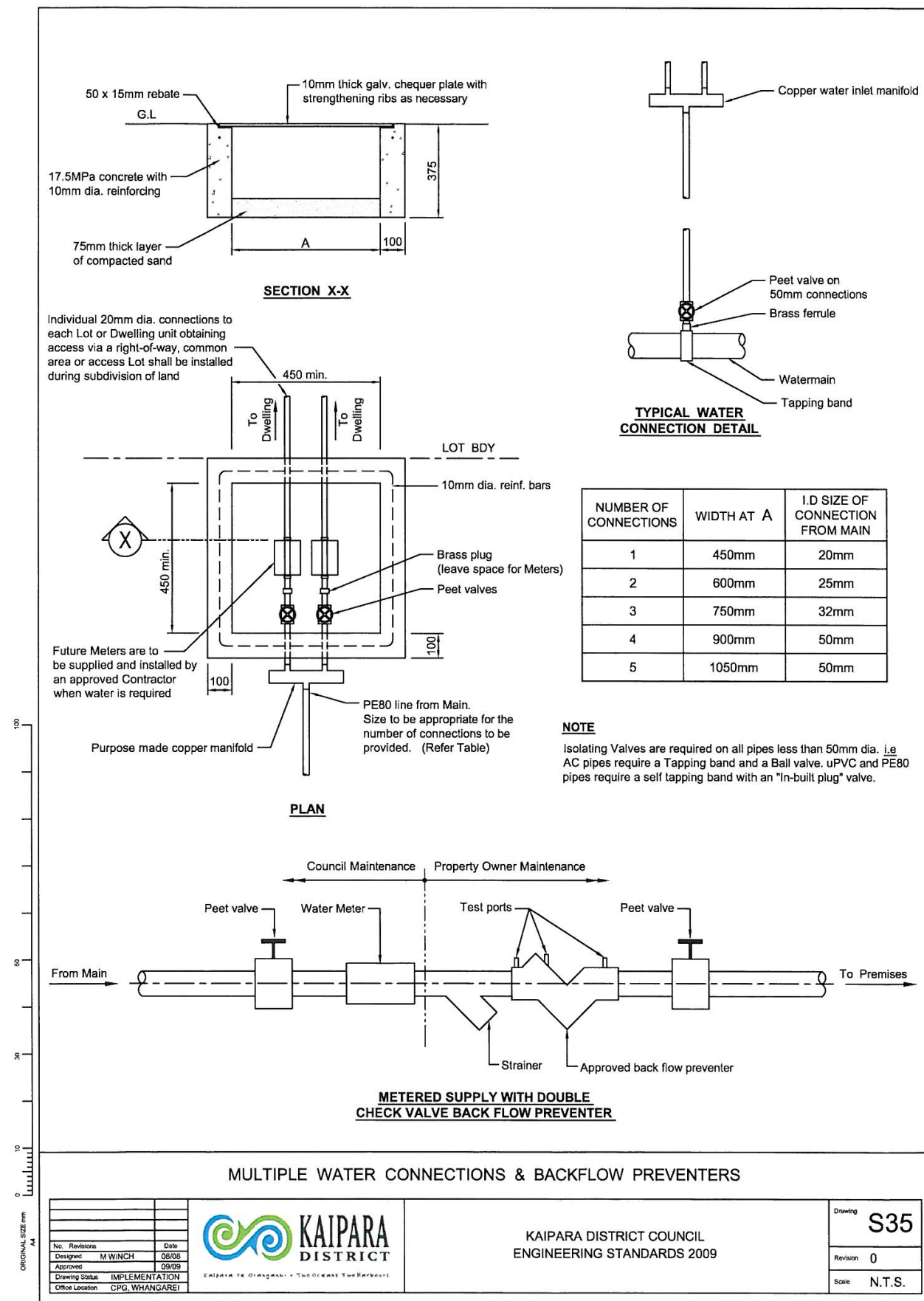
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T:_020000\020239 KDC\04 Resource Consents\KDC Eng Standards 2009_Final Eng Std 2009\Drawings\S33.dwg, Plotted By Anniversita Pilapi at 29/09/2009 9:57:30 a.m. Scale 1:1

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REV NO.	REVISION	DATE	APPROVED	PROJECT NO. A24339.C	DESIGNED ZQ
1.	RESOURCE CONSENT	FEB 2025	SR	SCALE @ A3	DRAWN JK
				REV NO. 1	SHEET NO. C3.06



THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS