

MILLDALE

Connecting Lifestyles

MILLDALE FAST TRACK PRIVATE WASTEWATER TREATMENT PLANT

**CONSENT DRAWINGS
FEB 2025**

BUILDING B, LEVEL 1
8 NUGENT ST,
GRAFTON, AUCKLAND 1023
+64 9 308 9229



MILLDALE FAST TRACK PRIVATE WASTEWATER TREATMENT PLANT

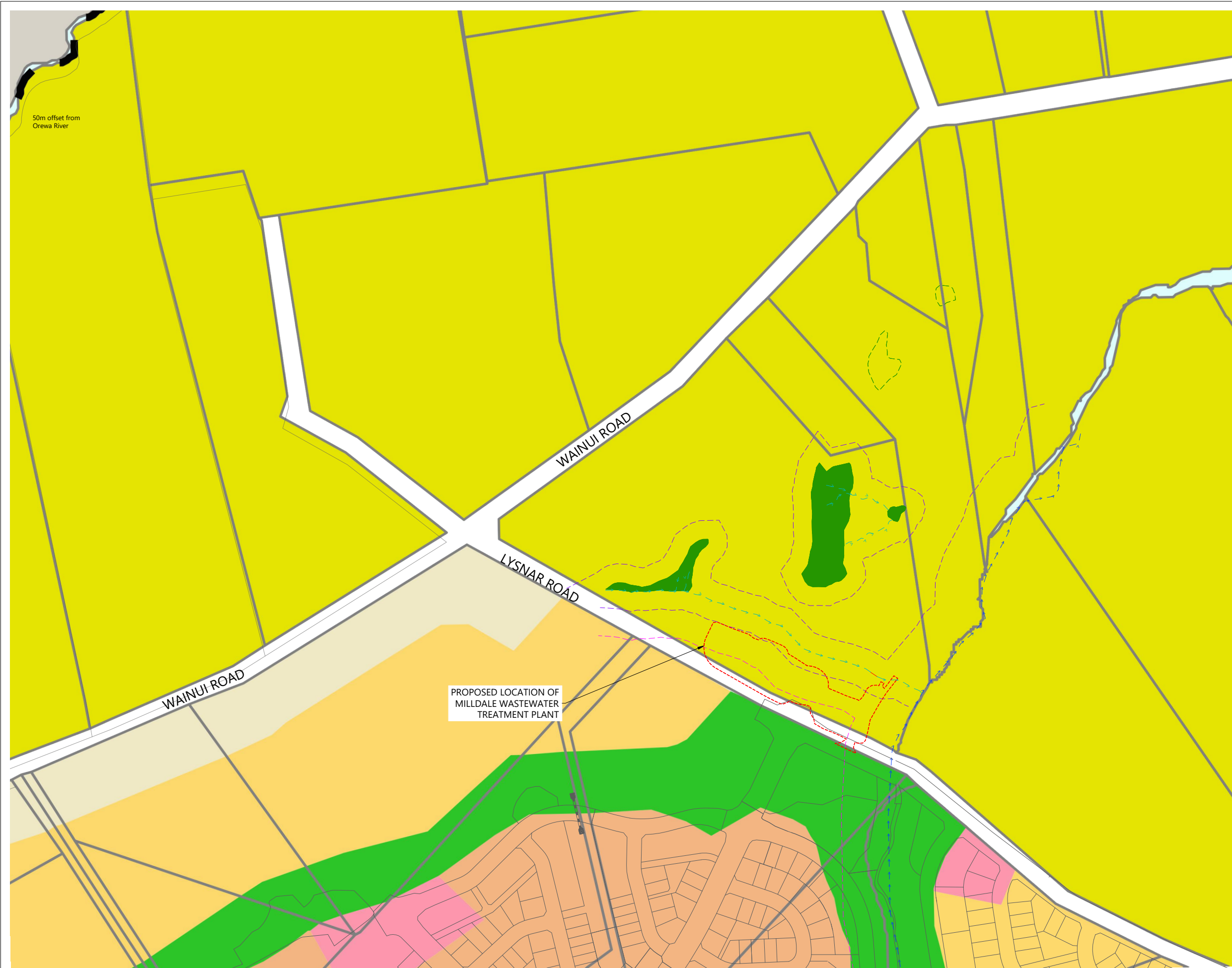
CONSENT DRAWINGS

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P24-189-0020-GE-WWTP	1	EXISTING TITLE PLAN
P24-189-0100-GE-WWTP	1	SITE LOCATION PLAN
P24-189-1000-EW-WWTP	1	EXISTING CONTOURS PLAN
P24-189-1100-EW-WWTP	1	PROPOSED CONTOURS PLAN
P24-189-1200-EW-WWTP	1	CUT AND FILL CONTOURS PLAN
P24-189-1300-EW-WWTP	1	PROPOSED EARTHWORKS CROSS SECTIONS PLAN
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P24-189-2201-RD-WWTP	1	PROPOSED TYPICAL CROSS SECTIONS - SHEET 2 OF 2
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P24-189-2800-RD-WWTP	1	VEHICLE TRACKING CURVE
P24-189-3000-DR-WWTP	1	PROPOSED STORMWATER LAYOUT PLAN
P24-189-3200-DR-WWTP	1	PROPOSED LAND CONTACT INFILTRATION DEVICE PLAN
P24-189-3210-DR-WWTP	1	PROPOSED LAND CONTACT INFILTRATION DEVICE CROSS SECTIONS
P24-189-3300-DR-WWTP	1	PROPOSED STORMWATER DRY BASIN PLAN
P24-189-3310-DR-WWTP	1	PROPOSED STORMWATER DRY BASIN CROSS SECTIONS
P24-189-3500-DR-WWTP	1	OVERALL STORMWATER OVERLAND FLOW PATH PLAN
P24-189-4000-DR-WWTP	1	PROPOSED WASTEWATER LAYOUT PLAN
P24-189-4400-DR-WWTP	1	EXISTING WASTEWATER CONNECTION MANHOLE DETAILS
P24-189-4401-DR-WWTP	1	PROPOSED WASTEWATER TAKE-OFF MANHOLE DETAILS
P24-189-6000-WR-WWTP	1	PROPOSED WATER MAIN LAYOUT PLAN
P24-189-7000-UT-WWTP	1	PROPOSED UTILITIES LAYOUT PLAN



LOCATION PLAN - NTS



- LEGEND:**
- BOUNDARY
 - PERMANENT STREAM/RIVER WITH 50.0M OFFSET
 - INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
 - INDICATIVE WETLAND AREA (SUBJECT TO ECOLOGY ASSESSMENT)
 - 20.0M OFFSET FROM INDICATIVE WATERCOURSE

- ZONING LEGEND:**
- Residential**
- Residential - Future Urban Zone
 - Residential - Rural and Coastal Settlement Zone
 - Residential - Single House Zone
 - Residential - Mixed Housing Suburban Zone
 - Residential - Mixed Housing Urban Zone
 - Residential - Terrace Housing and Apartment Buildings Zone
- Business**
- Business - City Centre Zone
 - Business - Metropolitan Centre Zone
 - Business - Town Centre Zone
 - Business - Local Centre Zone
 - Business - Neighbourhood Centre Zone
 - Business - Mixed Use Zone
 - Business - General Business Zone
 - Business - Business Park Zone
 - Business - Heavy Industry Zone
 - Business - Light Industry Zone
- Open space**
- Open Space - Conservation Zone
 - Open Space - Informal Recreation Zone
 - Open Space - Sport and Active Recreation Zone
 - Open Space - Civic Spaces Zone
 - Open Space - Community Zone



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
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				DRAWN	TB
				CHECKED	PL
				APPROVED	TR



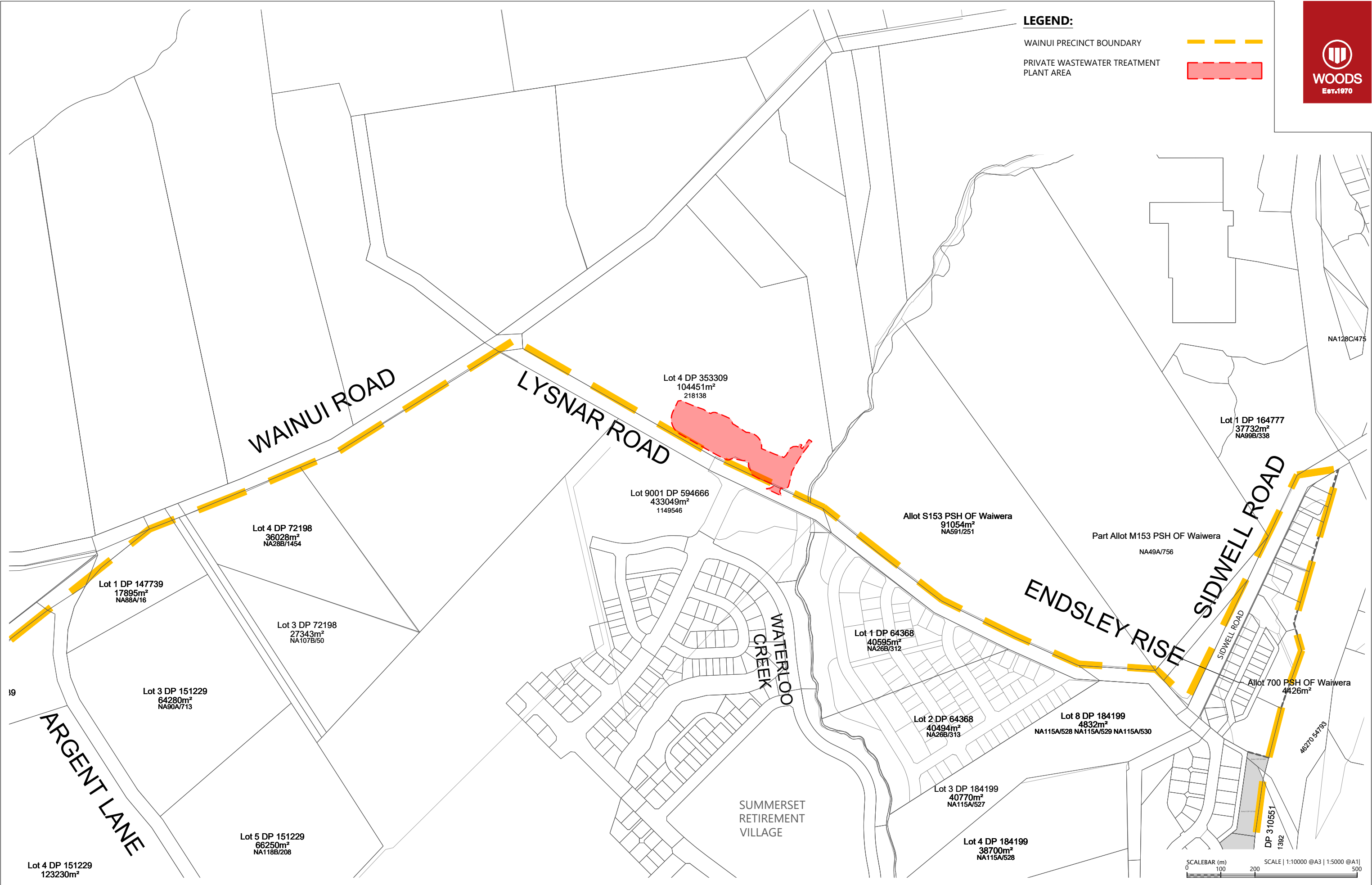
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MILLDALE WASTEWATER TREATMENT PLANT
OVERALL ZONING PLAN



STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-0005-GE-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
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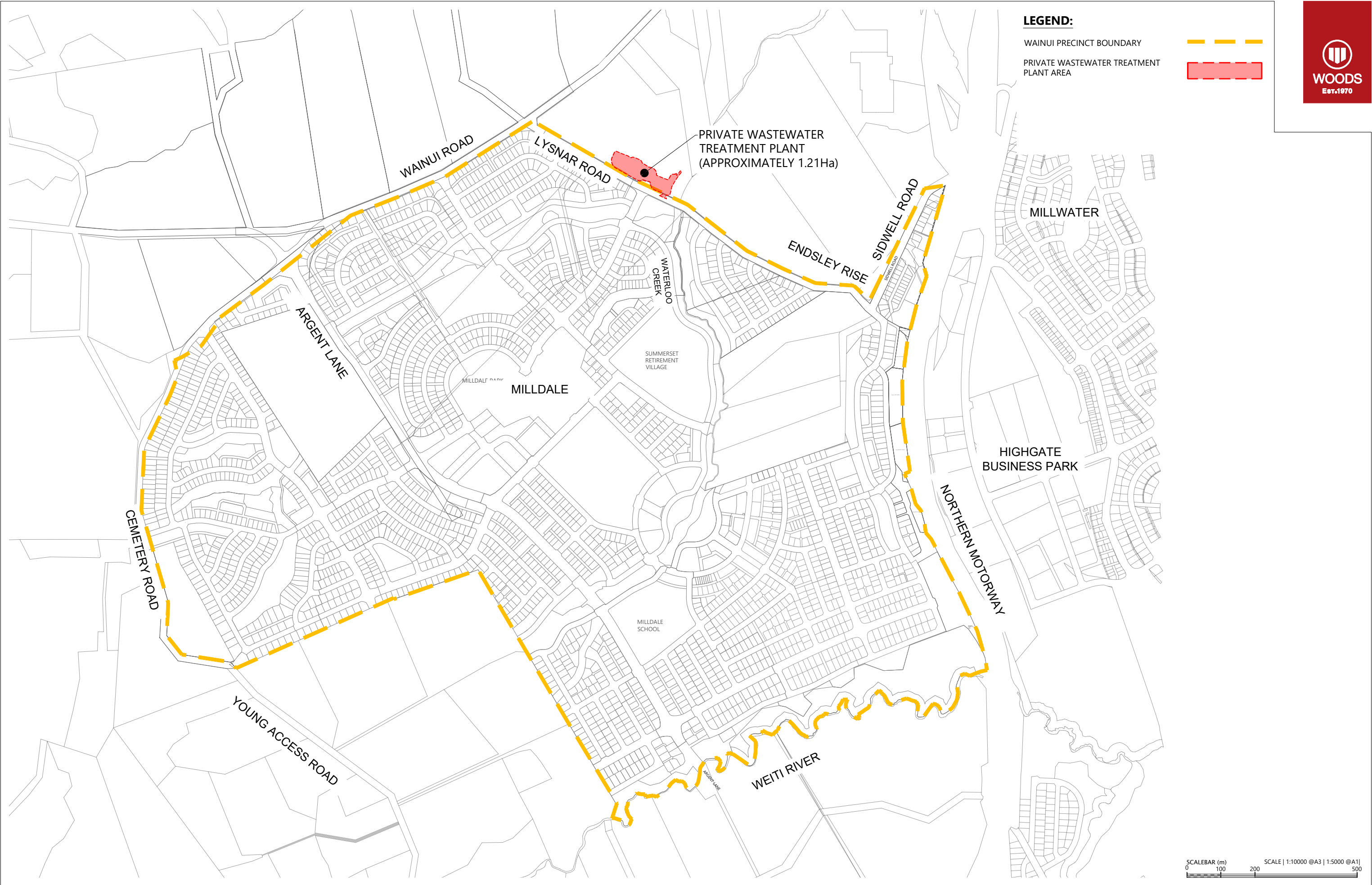
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MILLDALE WASTEWATER TREATMENT PLANT

EXISTING TITLE PLAN

	STATUS	ISSUED FOR CONSENT	REV
	SCALE	1:10000 @ A3	1
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-189-0020-GE-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
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				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



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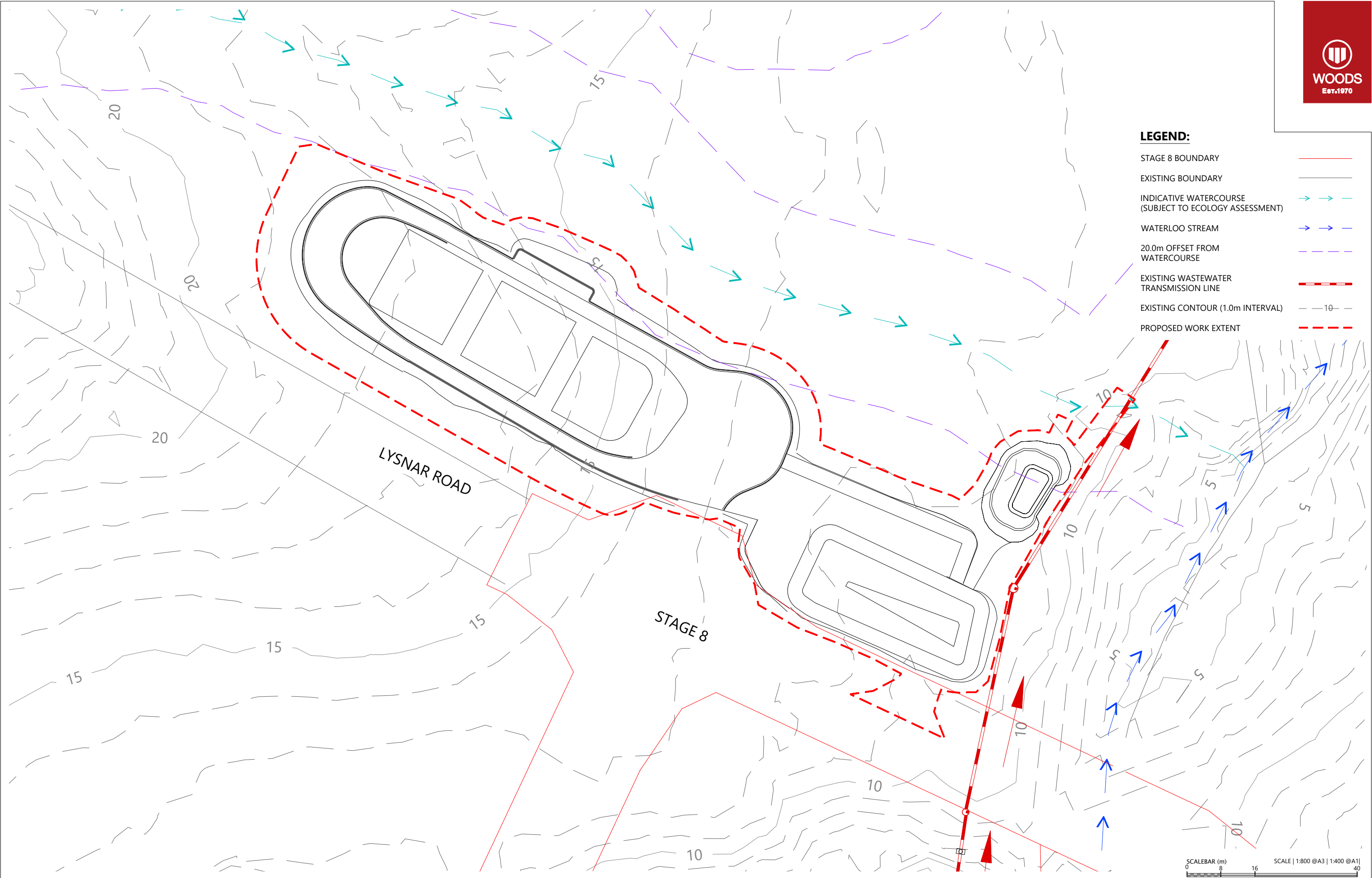


MILLDALE WASTEWATER TREATMENT PLANT

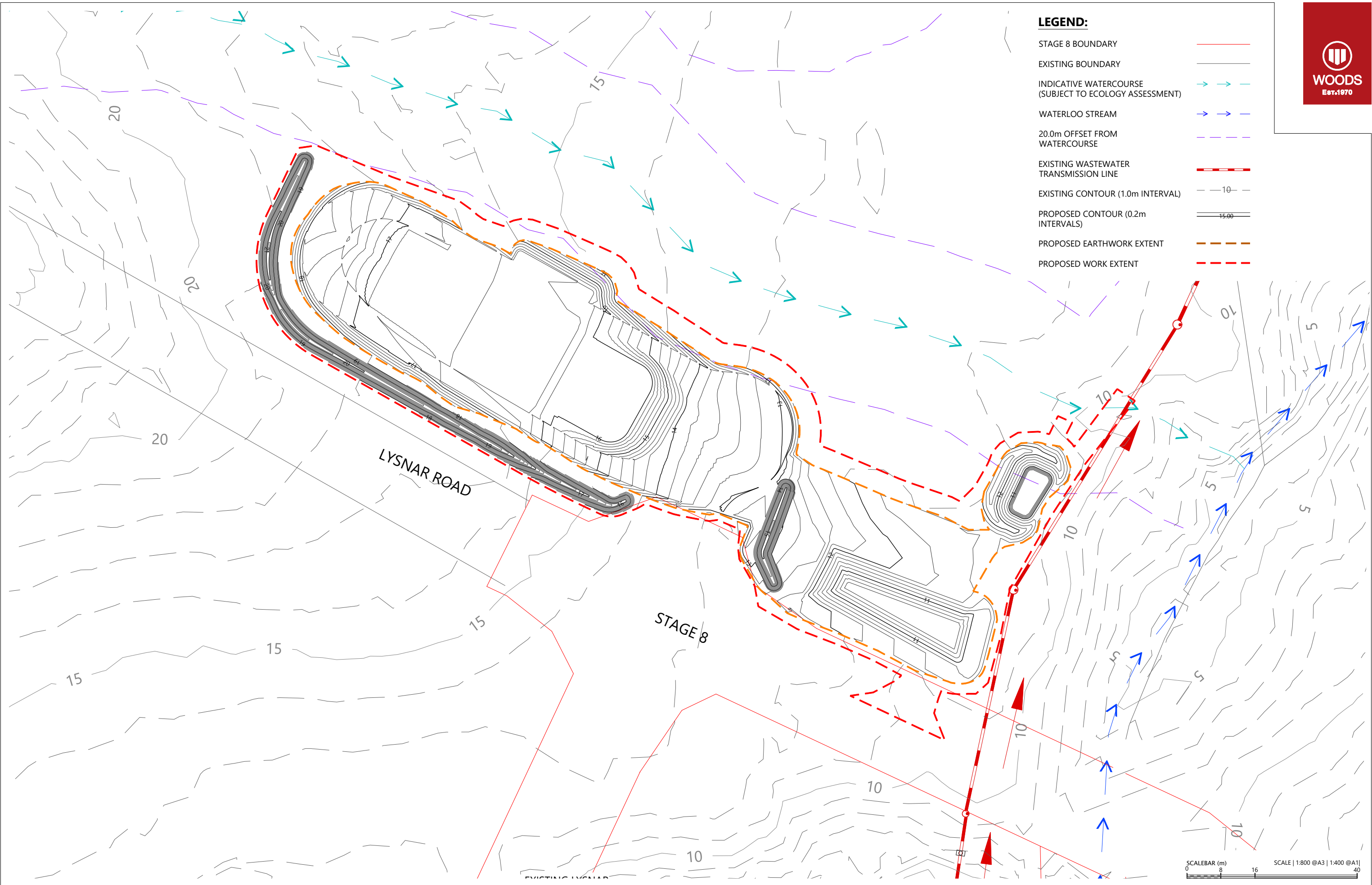
SITE LOCATION PLAN



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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-0100-GE-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILLDALE WASTEWATER TREATMENT PLANT EXISTING CONTOURS PLAN		STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC						SCALE	1:800 @ A3	1
				DRAWN	YC						COUNCIL	AUCKLAND COUNCIL	
				CHECKED	TR						DWG NO	P24-189-1000-EW-WWTP	
				APPROVED	TR								



- LEGEND:**
- STAGE 8 BOUNDARY
 - EXISTING BOUNDARY
 - INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
 - WATERLOO STREAM
 - 20.0m OFFSET FROM WATERCOURSE
 - EXISTING WASTEWATER TRANSMISSION LINE
 - EXISTING CONTOUR (1.0m INTERVAL)
 - PROPOSED CONTOUR (0.2m INTERVALS)
 - PROPOSED EARTHWORK EXTENT
 - PROPOSED WORK EXTENT



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ	 MILLDALE <i>Connecting Lifestyles</i>	MILLDALE WASTEWATER TREATMENT PLANT				STATUS			REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				SCALE				1:800 @ A3		1	
				DRAWN	YC				COUNCIL				AUCKLAND COUNCIL			
				CHECKED	TR											
				APPROVED	TR											



EARTHWORK VOLUMES				
	AREA (m ²)	CUT (-) (m ³)	FILL (m ³)	BALANCE (m ³)
20m OFFSET FROM WATERCOURSE	175	-38	28	-10
50m OFFSET FROM WATERCOURSE	5,041	-1502	1503	1
TOTAL	7,498	-2,434	2348	-86

(NOTE: TOPSOILS ARE INCLUDED IN THE CALCULATION)

- LEGEND:
- STAGE 8 BOUNDARY

EXISTING BOUNDARY

INDICATIVE WATERCOURSE
(SUBJECT TO ECOLOGY ASSESSMENT)

WATERLOO STREAM

20.0m OFFSET FROM WATERCOURSE

50.0m OFFSET FROM WATERCOURSE

EXISTING WASTEWATER
TRANSMISSION LINE

CUT CONTOUR (0.25m INTERVALS)

FILL CONTOUR (0.25m INTERVALS)

ZERO CONTOUR

CUT AREA

FILL AREA



REVISION DETAILS

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				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



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MILLDALE WASTEWATER TREATMENT PLANT

CUT AND FILL CONTOURS PLAN

N

STATUS

ISSUED FOR CONSENT

SCALE

1:800 @ A3

COUNCIL

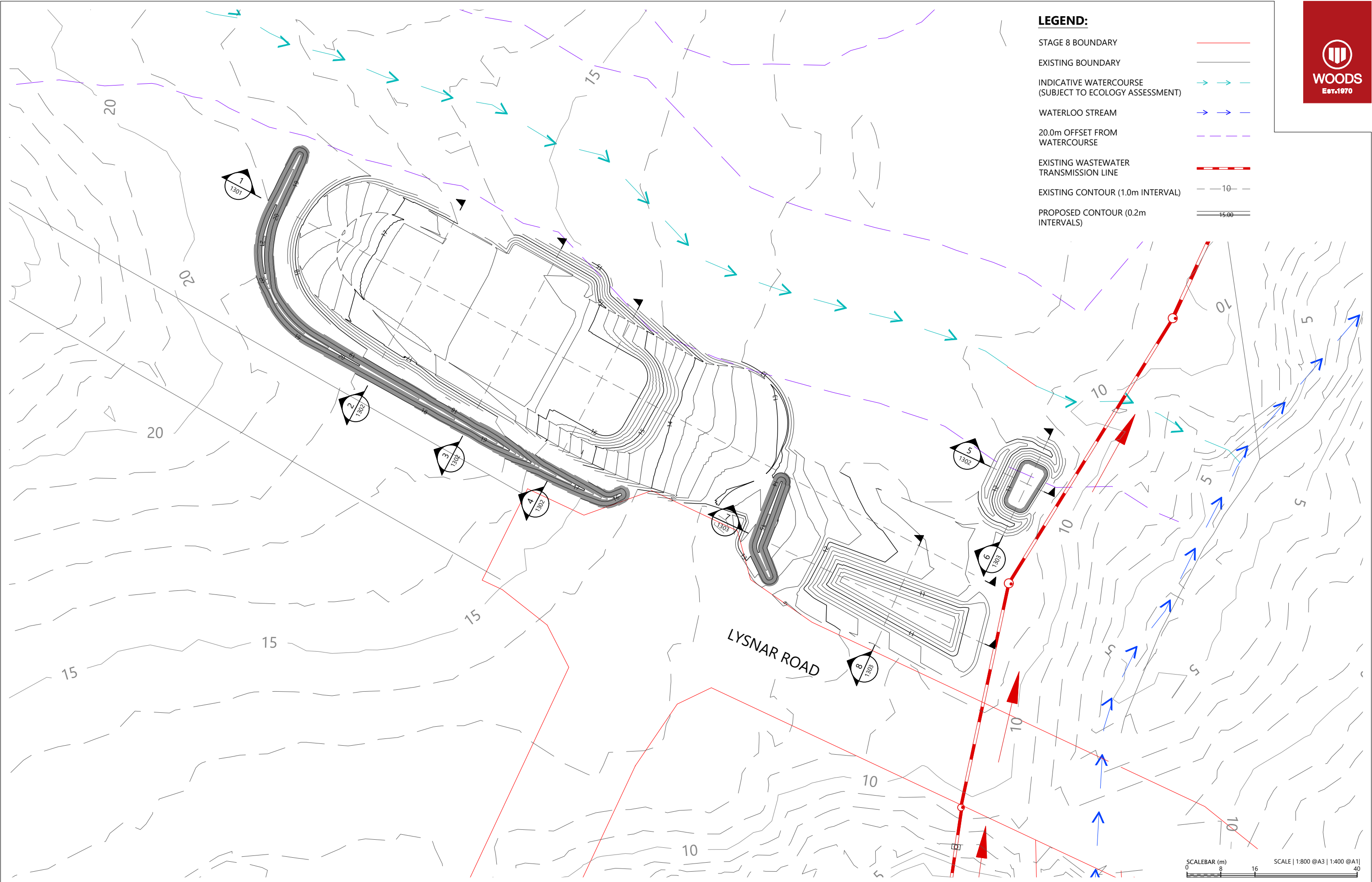
AUCKLAND COUNCIL

DWG NO

P24-189-1200-EW-WWTP

REV

1



- LEGEND:**
- STAGE 8 BOUNDARY
 - EXISTING BOUNDARY
 - INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
 - WATERLOO STREAM
 - 20.0m OFFSET FROM WATERCOURSE
 - EXISTING WASTEWATER TRANSMISSION LINE
 - EXISTING CONTOUR (1.0m INTERVAL)
 - PROPOSED CONTOUR (0.2m INTERVALS)



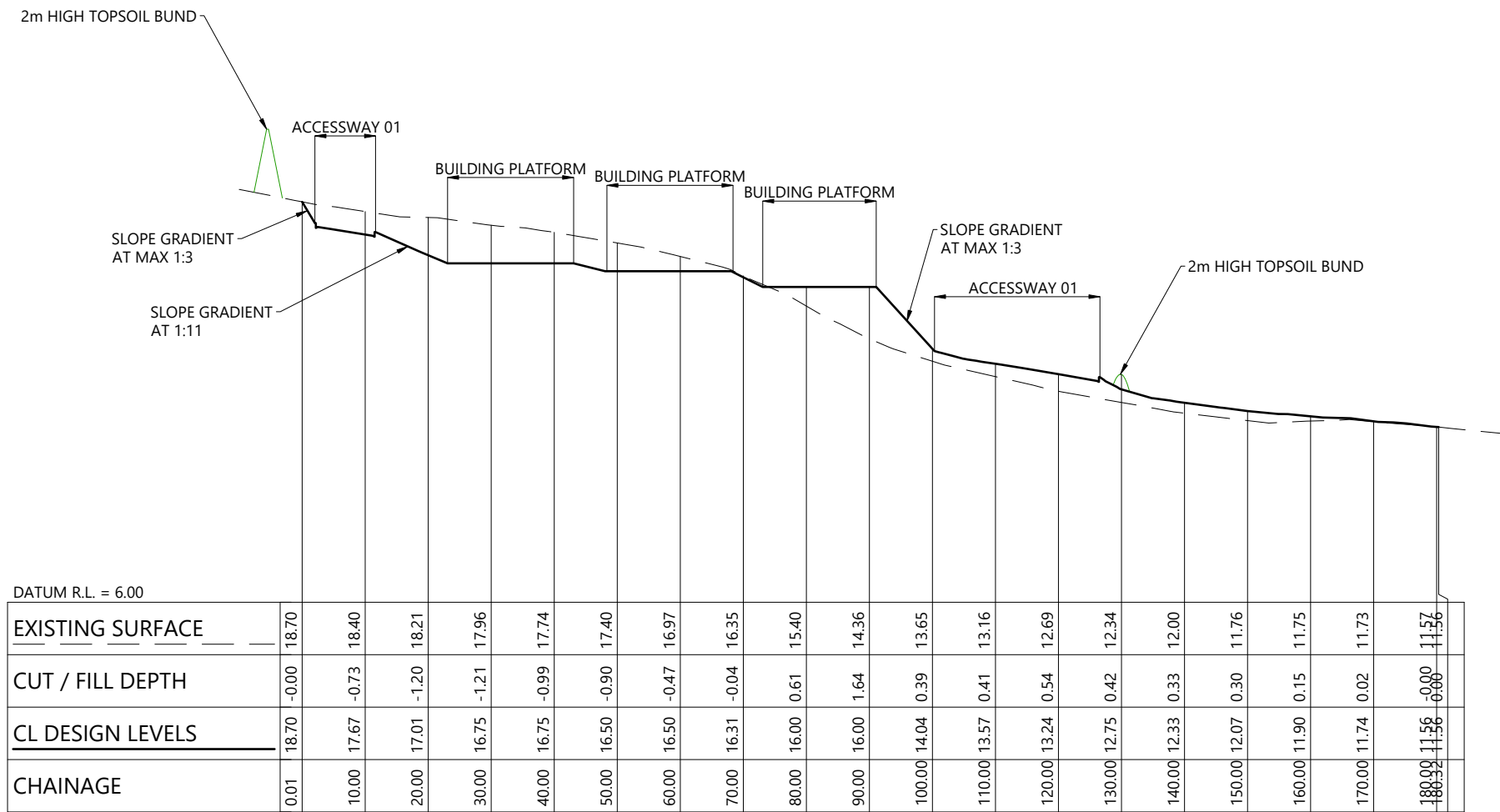
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				DRAWN	YC
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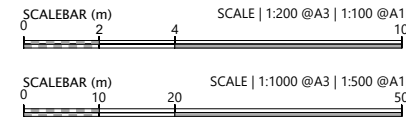


MILLDALE WASTEWATER TREATMENT PLANT
PROPOSED EARTHWORKS CROSS SECTIONS PLAN

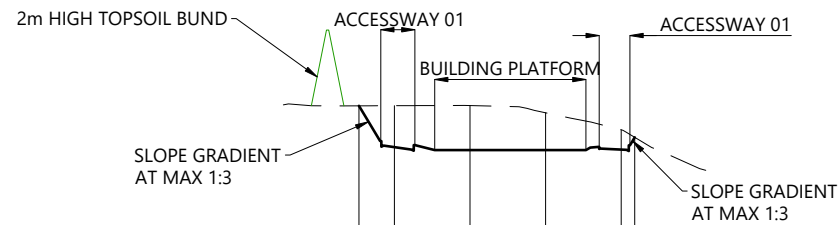
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	DWG NO	P24-189-1300-EW-WWTP	



SECTION 1
HORZ 1:1000 @A3 VERT 1:200 @A3



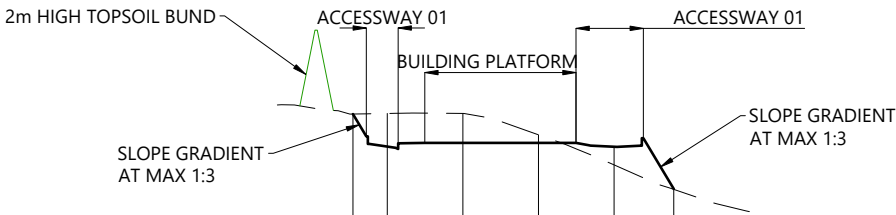
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1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC									SCALE	AS SHOWN @ A3	1
				DRAWN	YC									COUNCIL	AUCKLAND COUNCIL	
				CHECKED	TR									DWG NO	P24-189-1301-EW-WWTP	
				APPROVED	TR											



DATUM R.L. = 12.00

EXISTING SURFACE	17.92	17.93	17.93	17.74	17.29
CUT / FILL DEPTH	0.00	-1.10	-1.18	-0.99	-0.52
CL DESIGN LEVELS	17.92	16.83	16.75	16.75	16.76
CHAINAGE	5.31	10.00	20.00	30.00	40.00

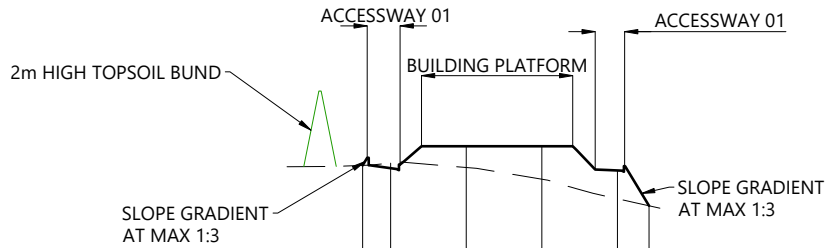
SECTION 2
HORZ 1:1000 @A3 VERT 1:200 @A3



DATUM R.L. = 10.00

EXISTING SURFACE	17.27	17.28	17.28	16.72	15.92	15.27
CUT / FILL DEPTH	0.00	-0.88	-0.78	-0.21	0.48	0.01
CL DESIGN LEVELS	17.27	16.40	16.50	16.50	16.40	15.29
CHAINAGE	5.45	10.00	20.00	30.00	40.00	47.89

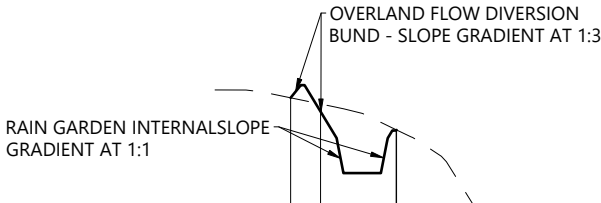
SECTION 3
HORZ 1:1000 @A3 VERT 1:200 @A3



DATUM R.L. = 10.00

EXISTING SURFACE	15.49	15.56	15.44	15.13	14.61	14.43
CUT / FILL DEPTH	0.00	-0.14	0.56	0.87	0.75	0.00
CL DESIGN LEVELS	15.49	15.42	16.00	16.00	15.36	14.43
CHAINAGE	6.30	10.00	20.00	30.00	40.00	44.18

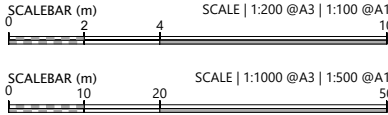
SECTION 4
HORZ 1:1000 @A3 VERT 1:200 @A3



DATUM R.L. = 4.00

EXISTING SURFACE	12.16	11.99	11.31	11.36
CUT / FILL DEPTH	0.00	-0.20	-0.02	0.00
CL DESIGN LEVELS	12.16	11.79	11.29	11.36
CHAINAGE	6.04	10.00	20.00	20.06

SECTION 5
HORZ 1:1000 @A3 VERT 1:200 @A3



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
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				DRAWN	YC
				CHECKED	TR
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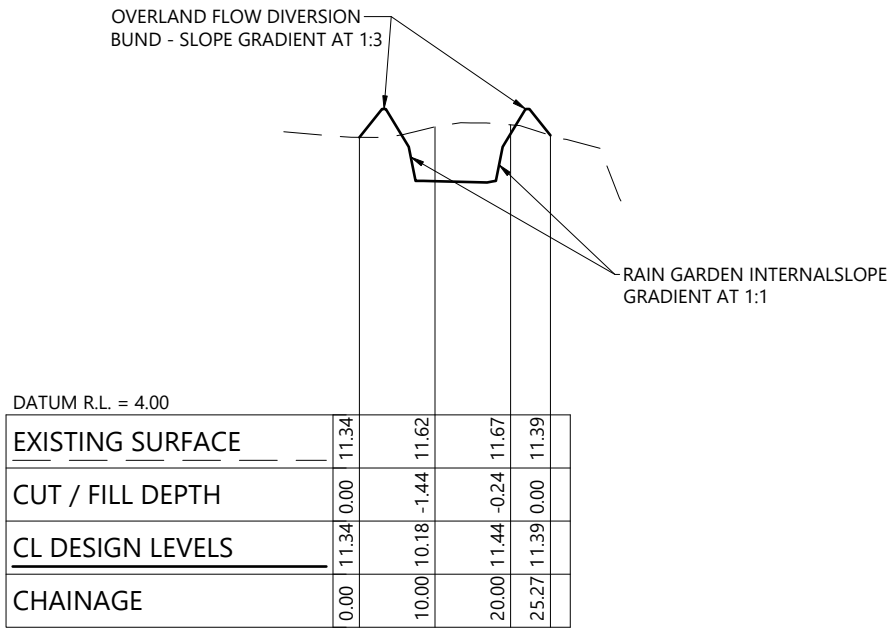


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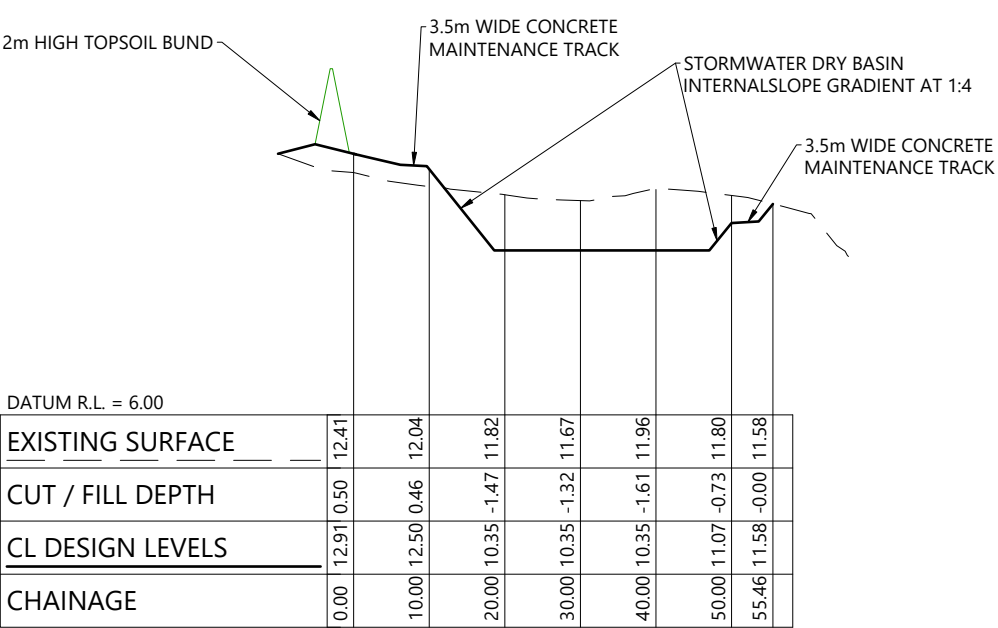


MILLDALE WASTEWATER TREATMENT PLANT
PROPOSED EARTHWORKS CROSS SECTIONS - SHEET 2 OF 3

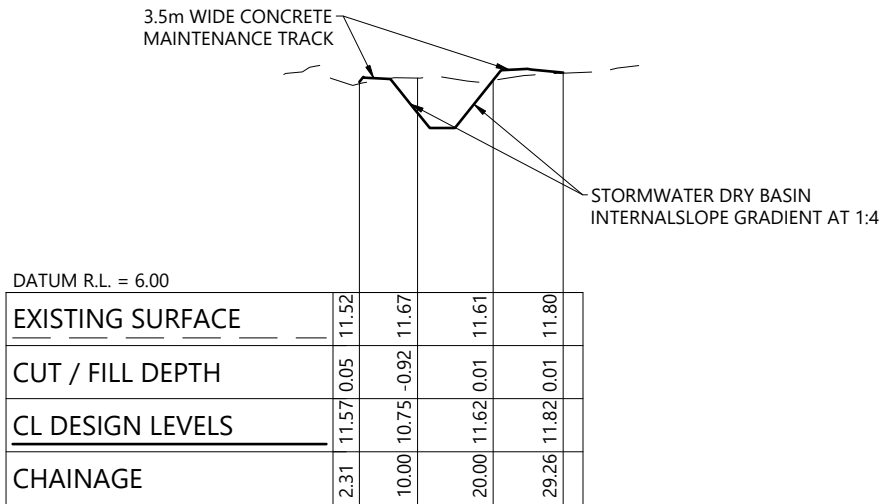
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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-1302-EW-WWTP	



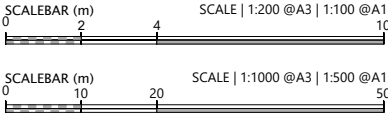
SECTION 6
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SECTION 7
HORZ 1:1000 @A3 VERT 1:200 @A3



SECTION 8
HORZ 1:1000 @A3 VERT 1:200 @A3



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1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				1	SCALE	AS SHOWN @ A3			
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				CHECKED	TR						DWG NO	P24-189-1303-EW-WWTP		
				APPROVED	TR									

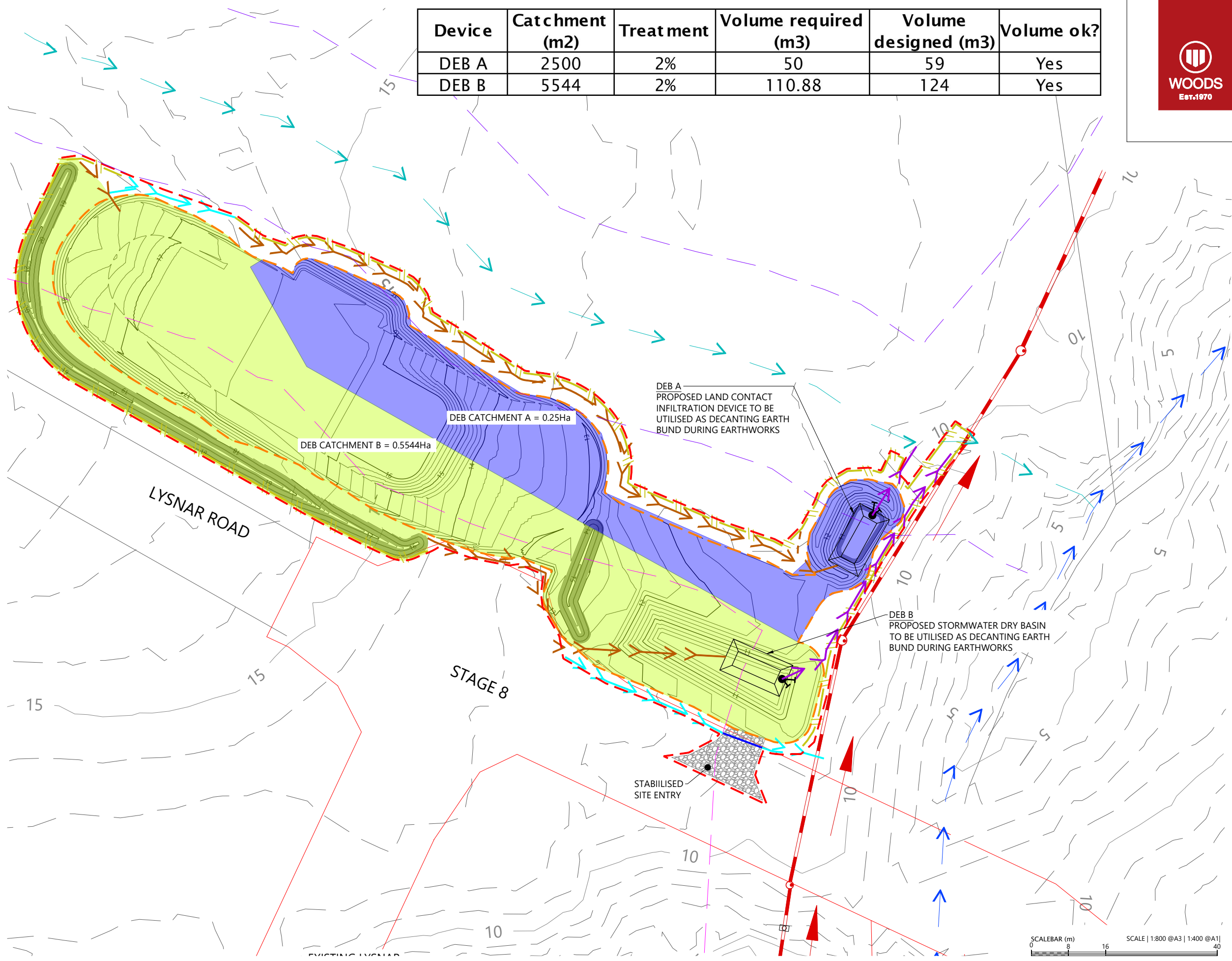
LEGEND:

STAGE 8 BOUNDARY	
EXISTING BOUNDARY	
INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)	
WATERLOO STREAM	
20.0m OFFSET FROM WATERCOURSE	
50.0m OFFSET FROM WATERCOURSE	
EXISTING WASTEWATER TRANSMISSION LINE	
EXISTING CONTOUR (1.0m INTERVAL)	
PROPOSED CONTOUR (0.2m INTERVALS)	
DECANTING EARTH BUND	
DEB SPILL CHANNEL	
DIRTY WATER BUND	
CLEAN WATER BUND	
SILT FENCE	
EARTHWORKS EXTENT	
WORK EXTENT	
DEB CATCHMENT A	
DEB CATCHMENT B	

NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AUCKLAND COUNCIL GUIDELINE DOCUMENT 2016/005 GD05 TITLED "EROSION AND SEDIMENT CONTROL GUIDE FOR LAND DISTURBING ACTIVITIES IN THE AUCKLAND REGION" JUNE 2016, INCORPORATING AMENDMENT 3.
- BEFORE COMMENCING WORKS THE CONTRACTOR SHALL ENSURE THAT THEY HAVE A COPY OF THE RESOURCE CONSENT - LAND USE: SEDIMENT CONTROL FROM THE ENGINEER.
- THE EXTENT OF AREAS TO BE WORKED ARE TO BE CLEARLY IDENTIFIED PRIOR TO STRIPPING AND ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE AND APPROVED BEFORE EARTHWORKS COMMENCE.
- DECANTING EARTHBUND (DEB) STORAGE IS 2% OF THE CONTRIBUTING CATCHMENT AS PER GD05 AND INCLUDE RAIN ACTIVATED CHEMICAL DOSING SYSTEM.
- ANY MODIFICATIONS TO THE CONSENTED EROSION & SEDIMENT CONTROL DRAWING MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

Device	Cat chment (m2)	Treat ment	Volume required (m3)	Volume designed (m3)	Volume ok?
DEB A	2500	2%	50	59	Yes
DEB B	5544	2%	110.88	124	Yes



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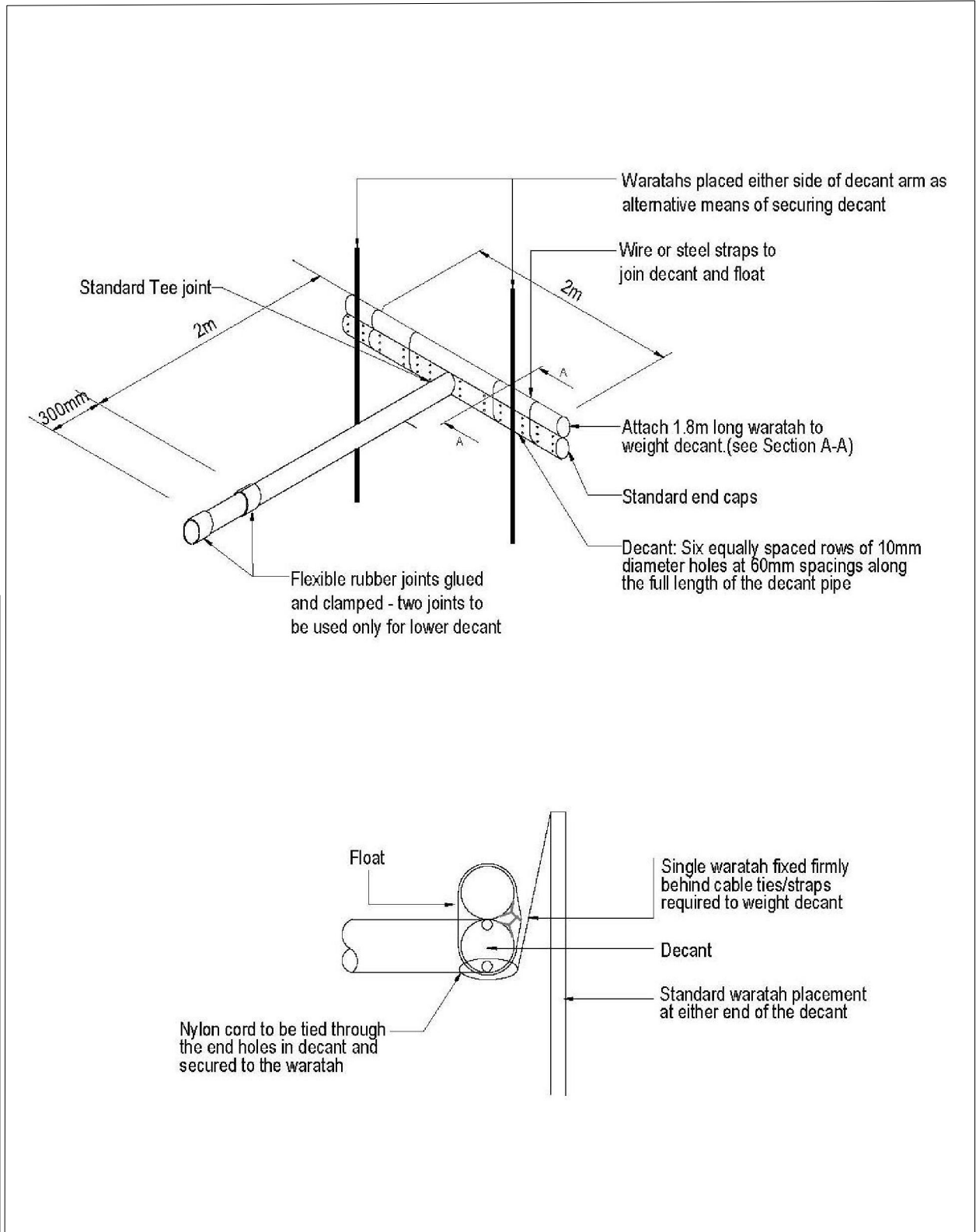
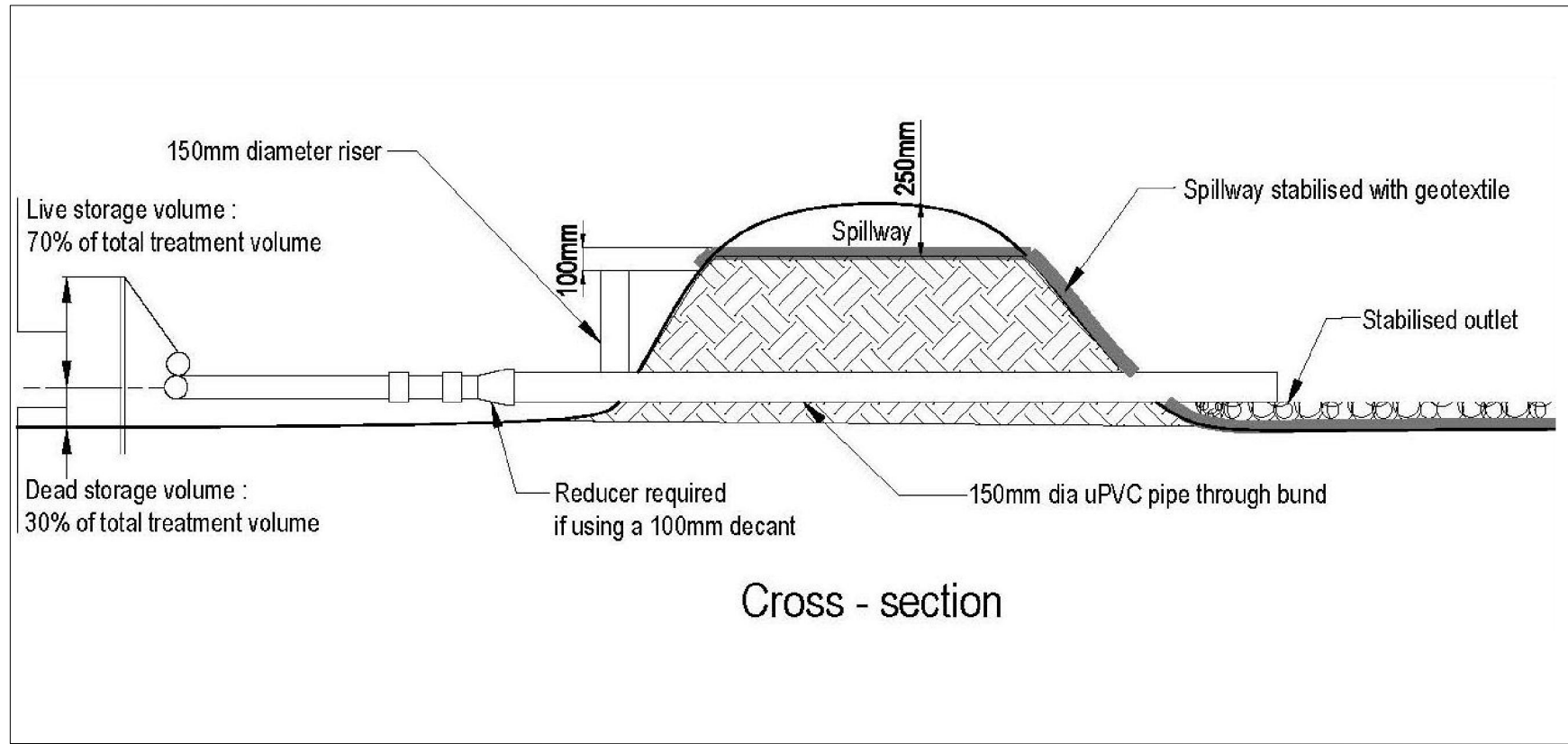
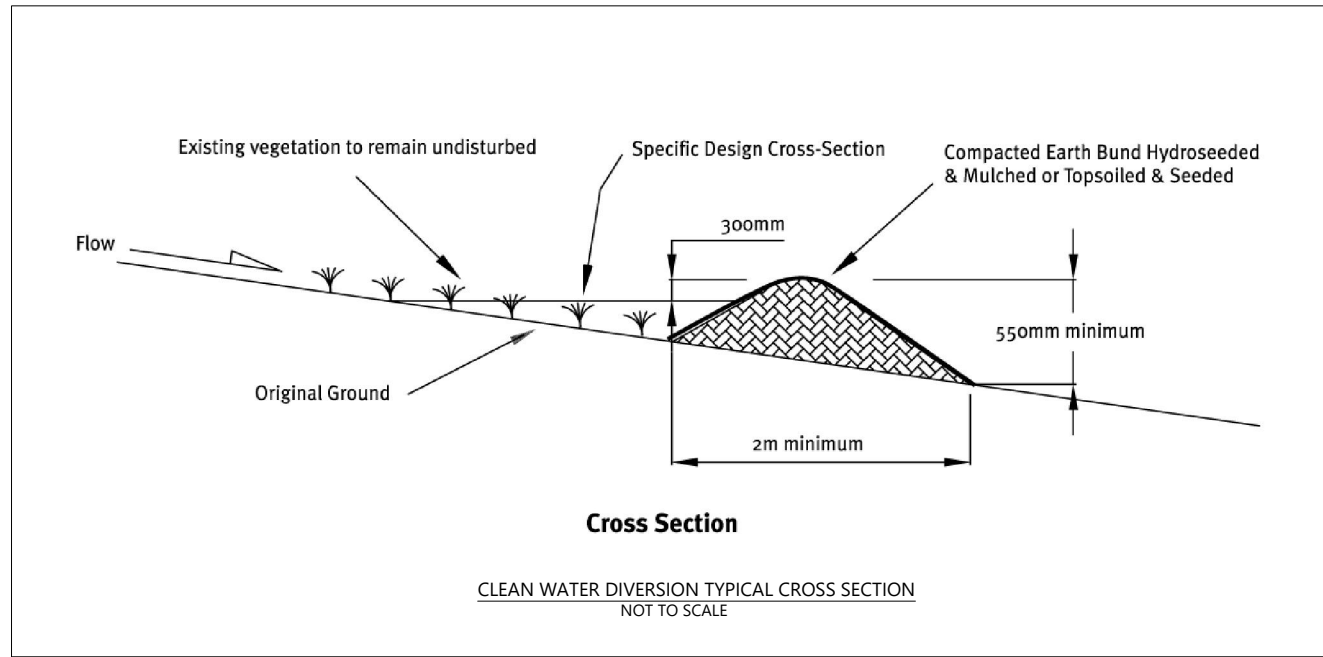
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MILLDALE WASTEWATER TREATMENT PLANT
EROSION & SEDIMENT CONTROL PLAN



STATUS	ISSUED FOR CONSENT	REV
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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-1800-EW-WWTP	



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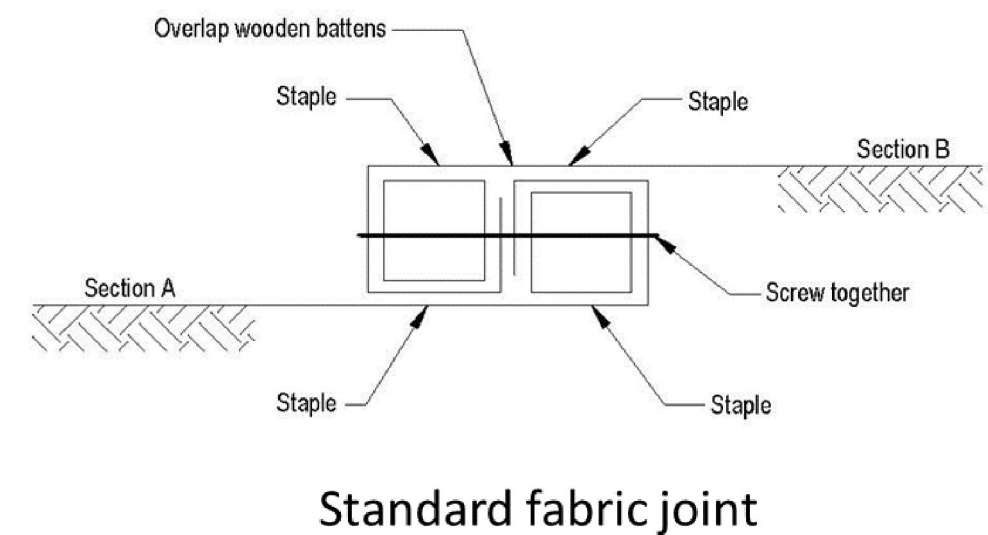
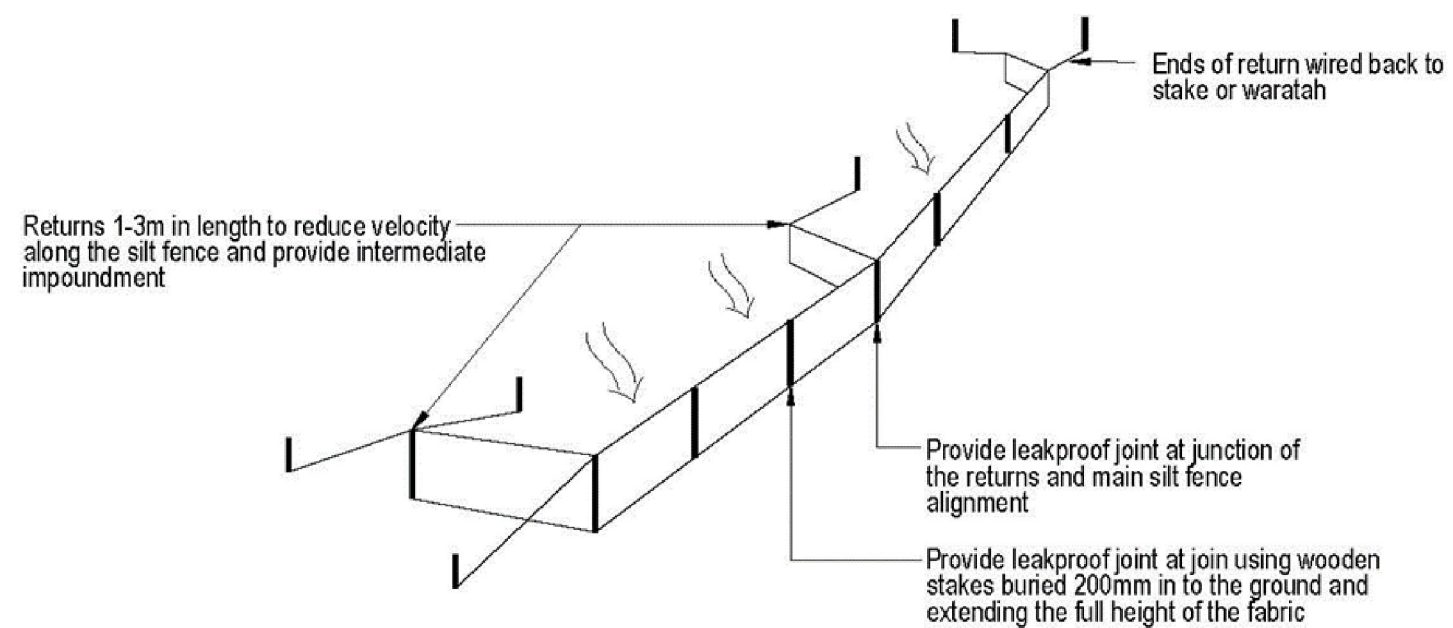
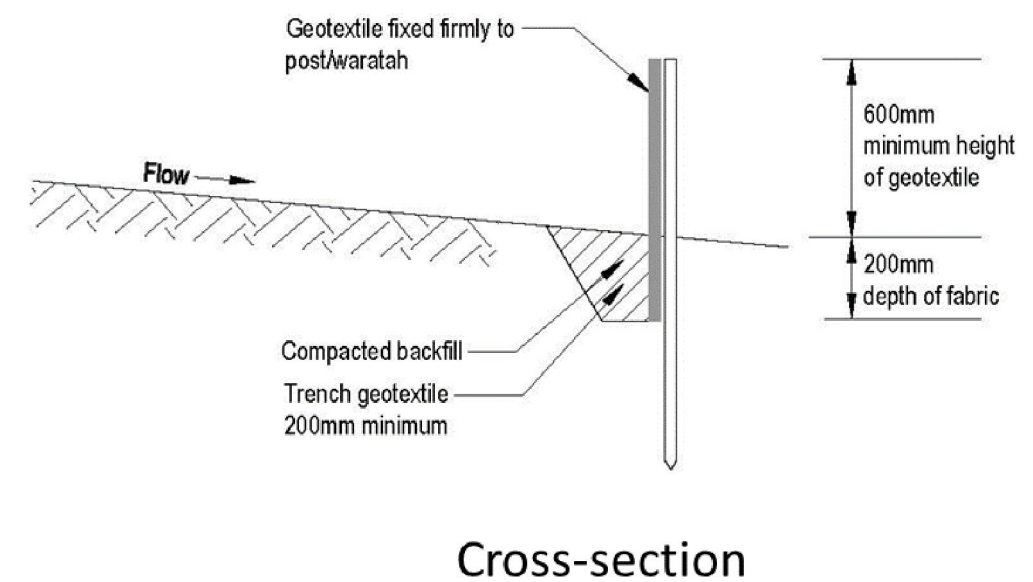
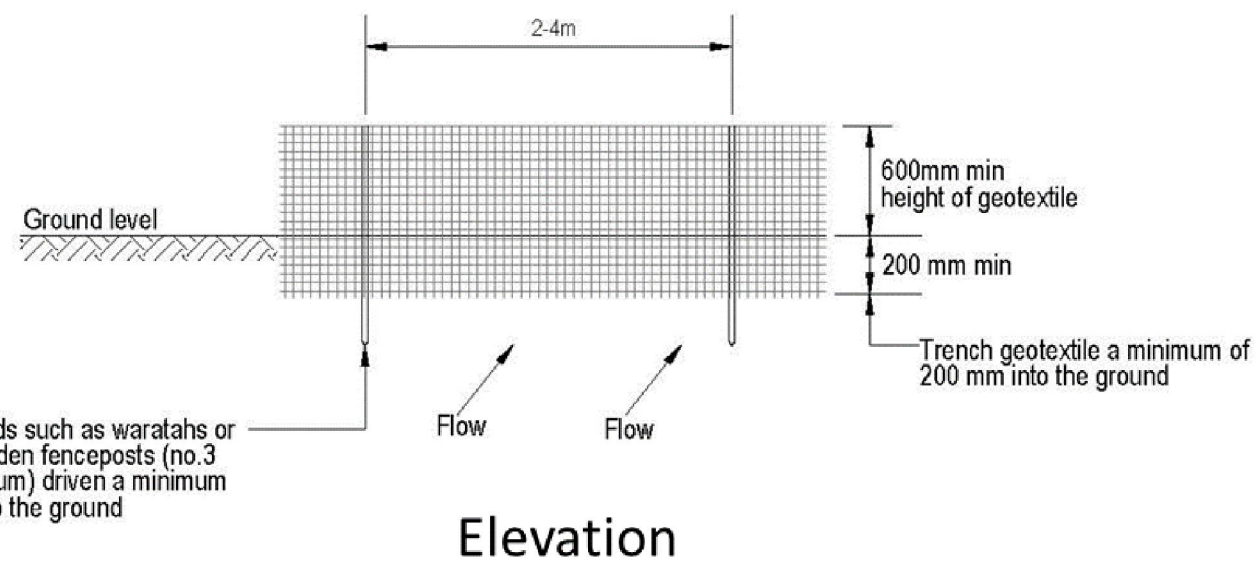
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MILLDALE WASTEWATER TREATMENT PLANT

EROSION & SEDIMENT CONTROL STANDARD DETAILS - SHEET 1 OF 3

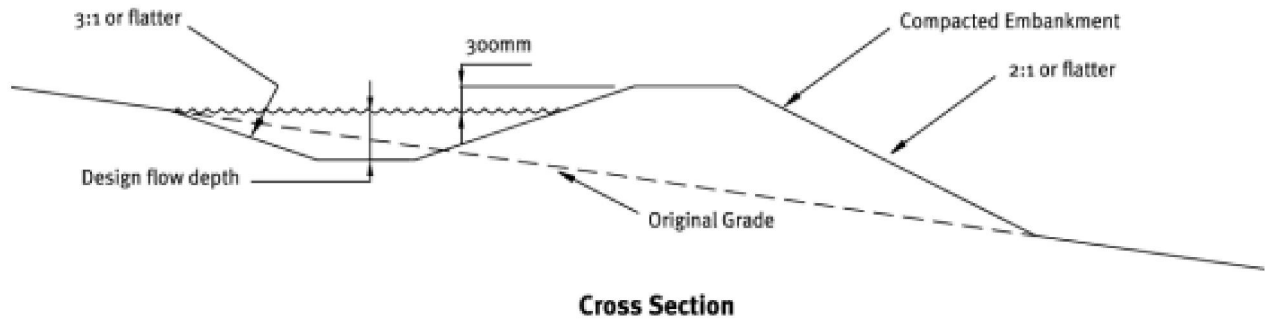
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DWG NO	P24-189-1801-EW-WWTP	



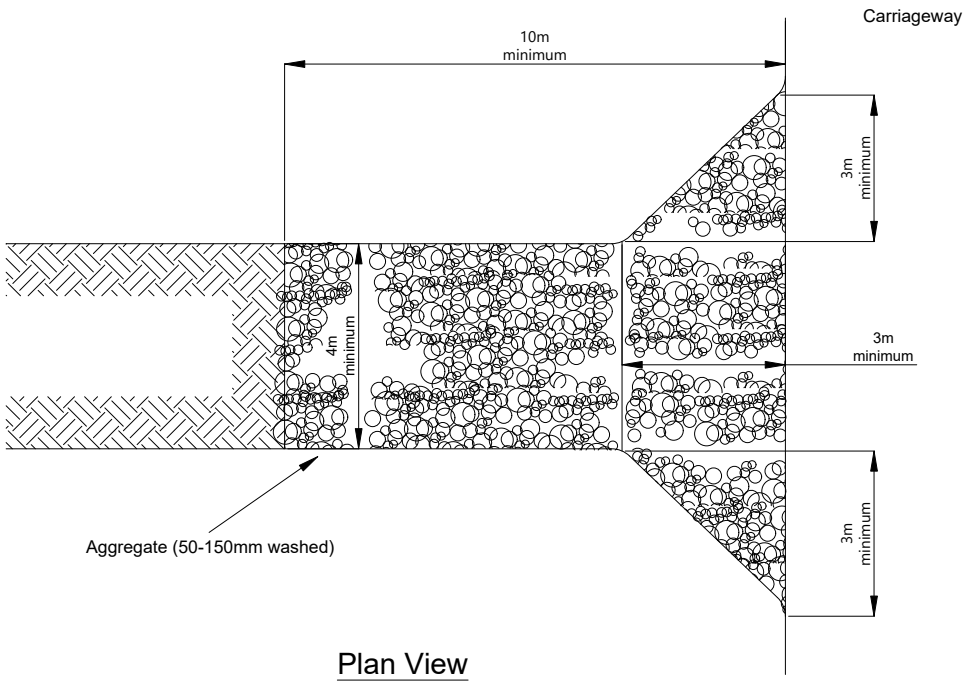
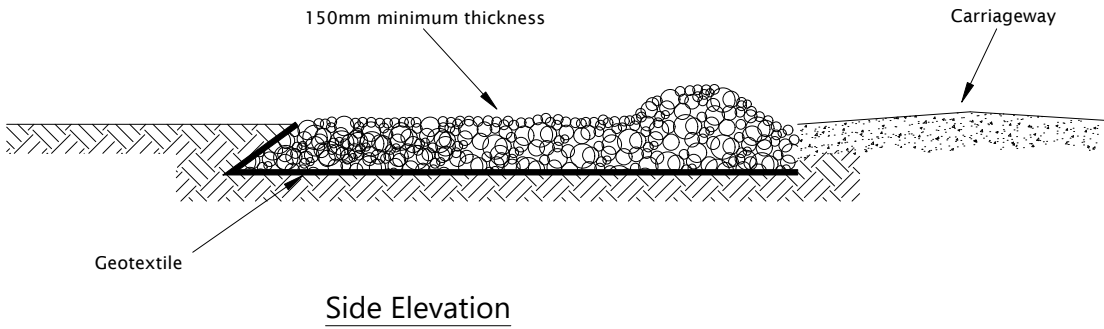
SILT FENCE TYPICAL CROSS SECTION
NOT TO SCALE

SCHEMATIC OF SILT FENCE
NOT TO SCALE

REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILLDALE WASTEWATER TREATMENT PLANT EROSION & SEDIMENT CONTROL STANDARD DETAILS - SHEET 2 OF 3		STATUS			
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC						SCALE	N.T.S.	REV	1
				DRAWN	YC						COUNCIL	AUCKLAND COUNCIL		
				CHECKED	TR						DWG NO	P24-189-1802-EW-WWTP		
				APPROVED	TR									

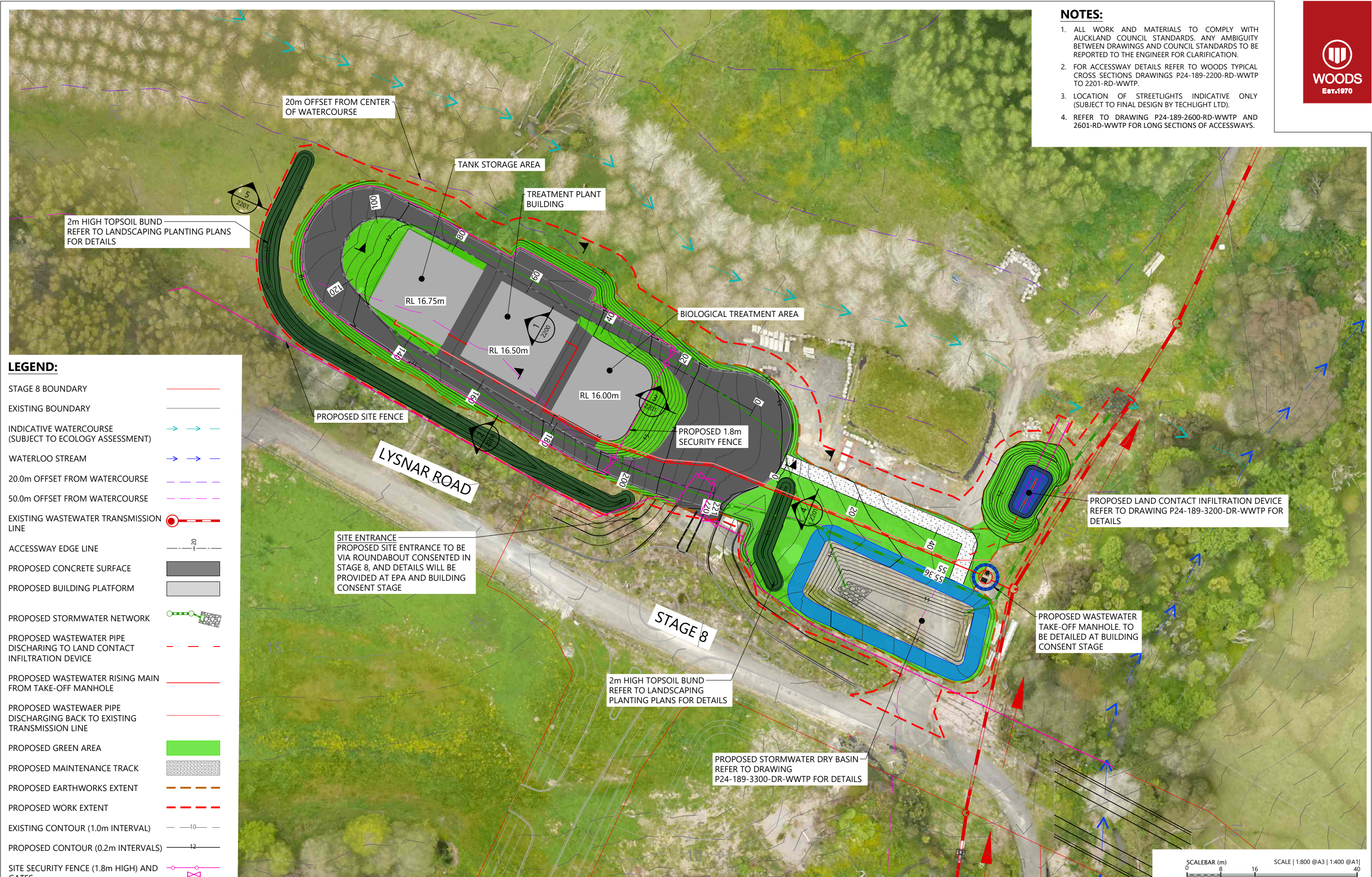


DIRTY WATER DIVERSION TYPICAL CROSS SECTION
NOT TO SCALE



STABILISED CONSTRUCTION ENTRANCE TYPICAL DETAILS
NOT TO SCALE

REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILLDALE WASTEWATER TREATMENT PLANT			EROSION & SEDIMENT CONTROL STANDARD DETAILS - SHEET 3 OF 3			STATUS			ISSUED FOR CONSENT		REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC							SCALE			N.T.S.		1			
				DRAWN	YC							COUNCIL			AUCKLAND COUNCIL					
				CHECKED	TR							DWG NO			P24-189-1803-EW-WWTP					
				APPROVED	TR															



- NOTES:**
1. ALL WORK AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STANDARDS. ANY AMBIGUITY BETWEEN DRAWINGS AND COUNCIL STANDARDS TO BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
 2. FOR ACCESSWAY DETAILS REFER TO WOODS TYPICAL CROSS SECTIONS DRAWINGS P24-189-2200-RD-WWTP TO 2201-RD-WWTP.
 3. LOCATION OF STREETLIGHTS INDICATIVE ONLY (SUBJECT TO FINAL DESIGN BY TECHLIGHT LTD).
 4. REFER TO DRAWING P24-189-2600-RD-WWTP AND 2601-RD-WWTP FOR LONG SECTIONS OF ACCESSWAYS.



- LEGEND:**
- STAGE 8 BOUNDARY
 - EXISTING BOUNDARY
 - INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
 - WATERLOO STREAM
 - 20.0m OFFSET FROM WATERCOURSE
 - 50.0m OFFSET FROM WATERCOURSE
 - EXISTING WASTEWATER TRANSMISSION LINE
 - ACCESSWAY EDGE LINE
 - PROPOSED CONCRETE SURFACE
 - PROPOSED BUILDING PLATFORM
 - PROPOSED STORMWATER NETWORK
 - PROPOSED WASTEWATER PIPE DISCHARGING TO LAND CONTACT INFILTRATION DEVICE
 - PROPOSED WASTEWATER RISING MAIN FROM TAKE-OFF MANHOLE
 - PROPOSED WASTEWATER PIPE DISCHARGING BACK TO EXISTING TRANSMISSION LINE
 - PROPOSED GREEN AREA
 - PROPOSED MAINTENANCE TRACK
 - PROPOSED EARTHWORKS EXTENT
 - PROPOSED WORK EXTENT
 - EXISTING CONTOUR (1.0m INTERVAL)
 - PROPOSED CONTOUR (0.2m INTERVALS)
 - SITE SECURITY FENCE (1.8m HIGH) AND GATES

REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR

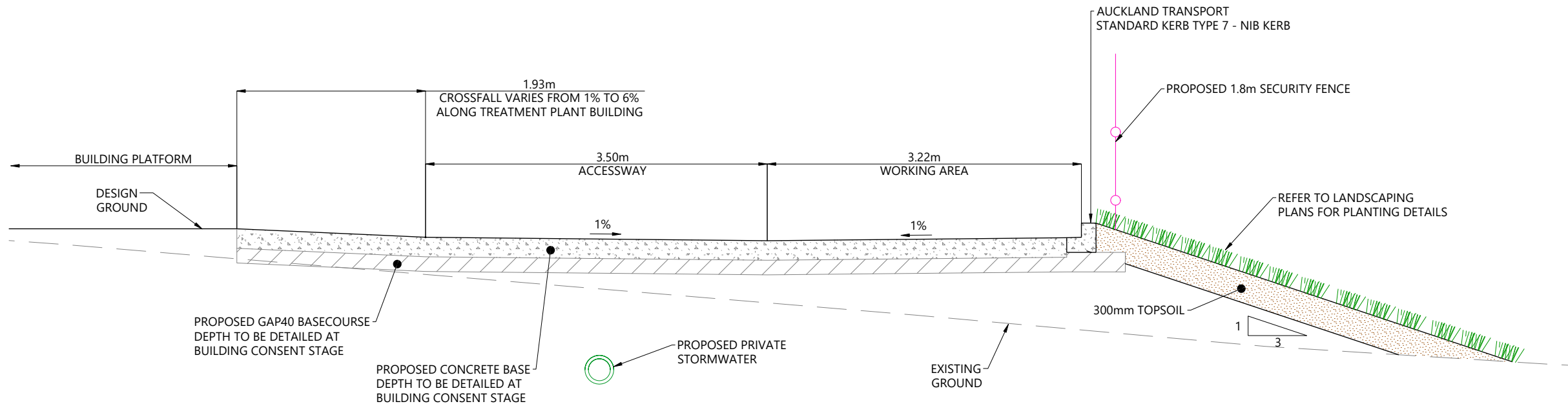
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



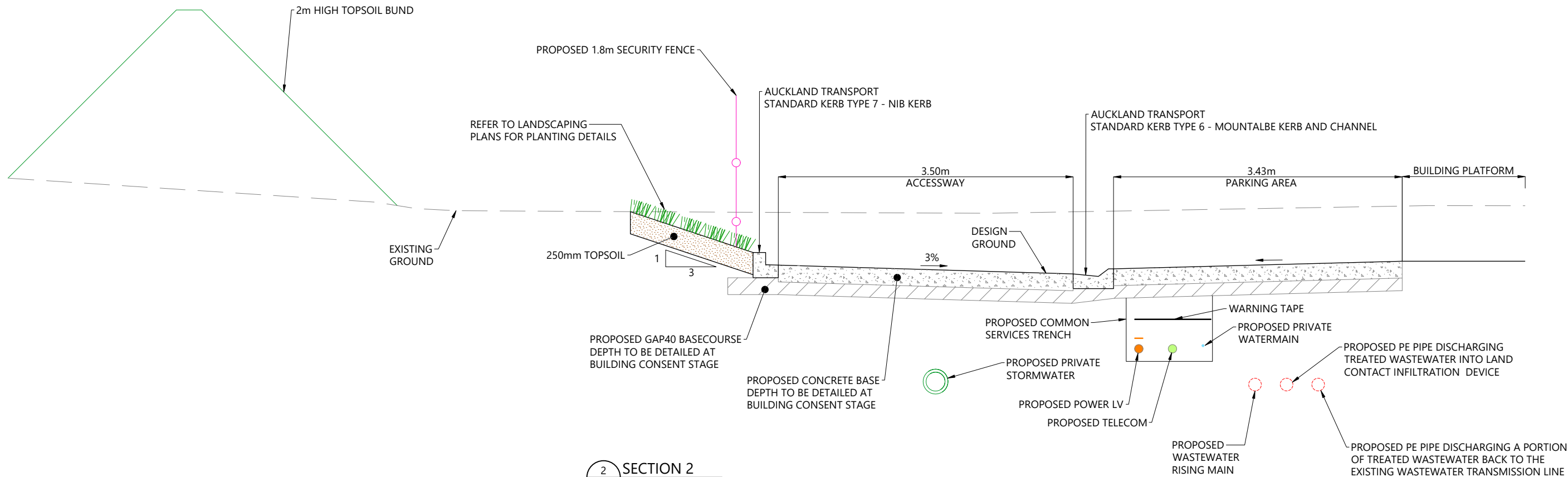
MILLDALE WASTEWATER TREATMENT PLANT

OVERALL LAYOUT PLAN

N	STATUS	ISSUED FOR CONSENT	REV
	SCALE	1:800 @ A3	1
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-189-2000-RD-WWTP	



1 SECTION 1
2000 SCALE 1:50@A3 1:25@A1
0 500mm



2 SECTION 2
2000 SCALE 1:50@A3 1:25@A1
0 500mm

REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



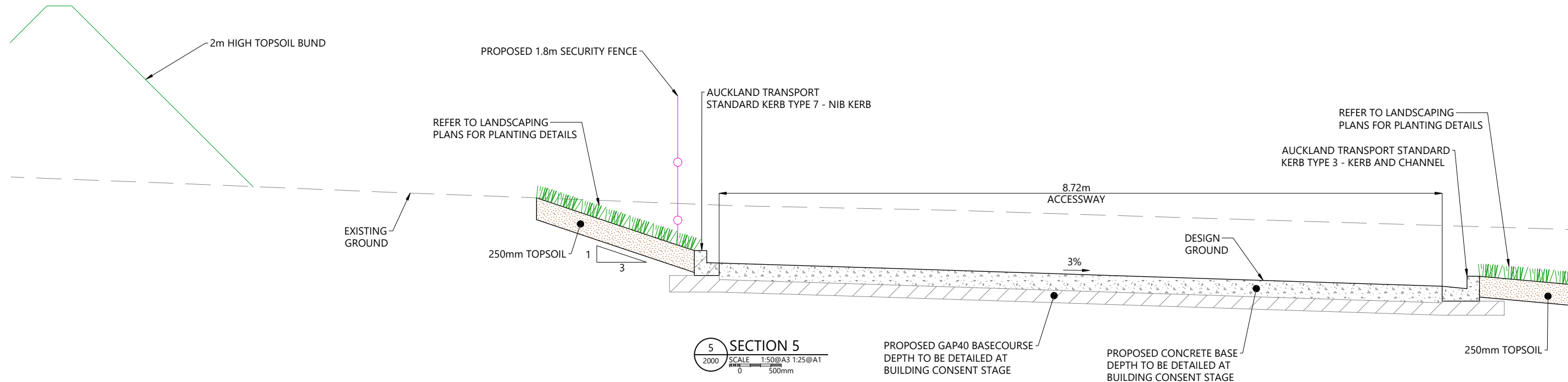
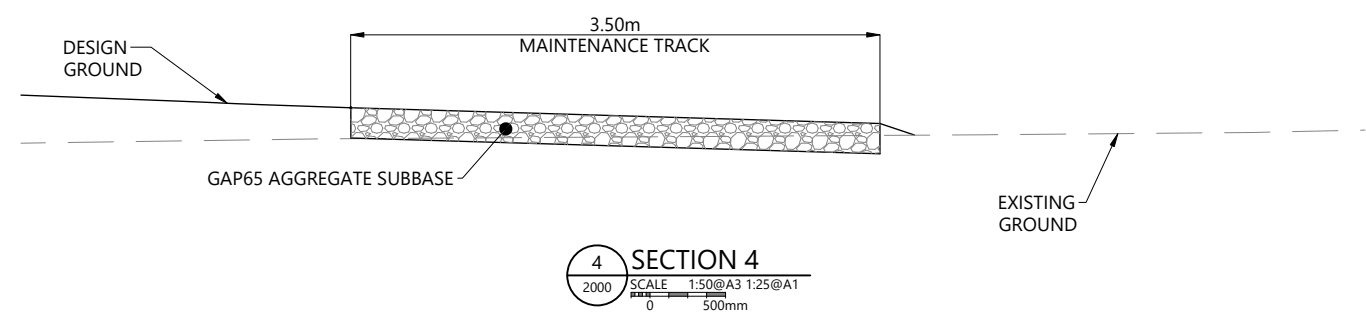
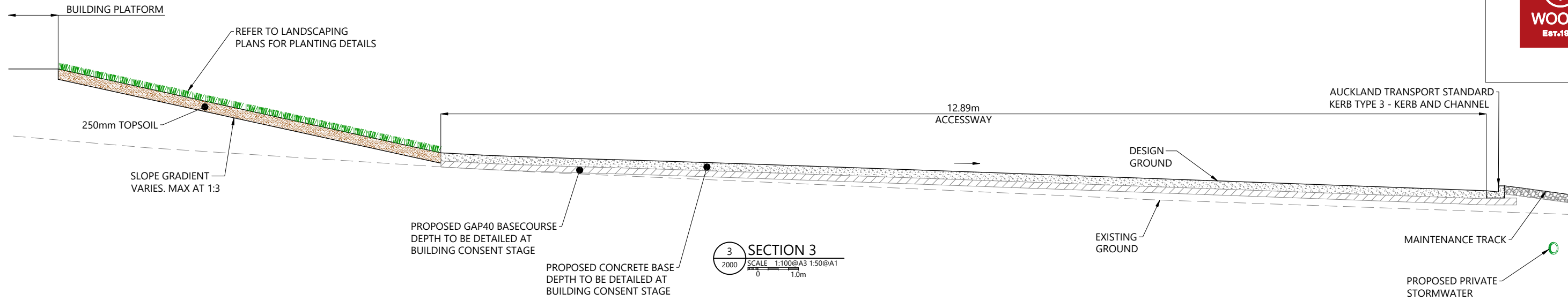
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



MILLDALE WASTEWATER TREATMENT PLANT

PROPOSED TYPICAL CROSS SECTIONS - SHEET 1 OF 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:50 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-2200-RD-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



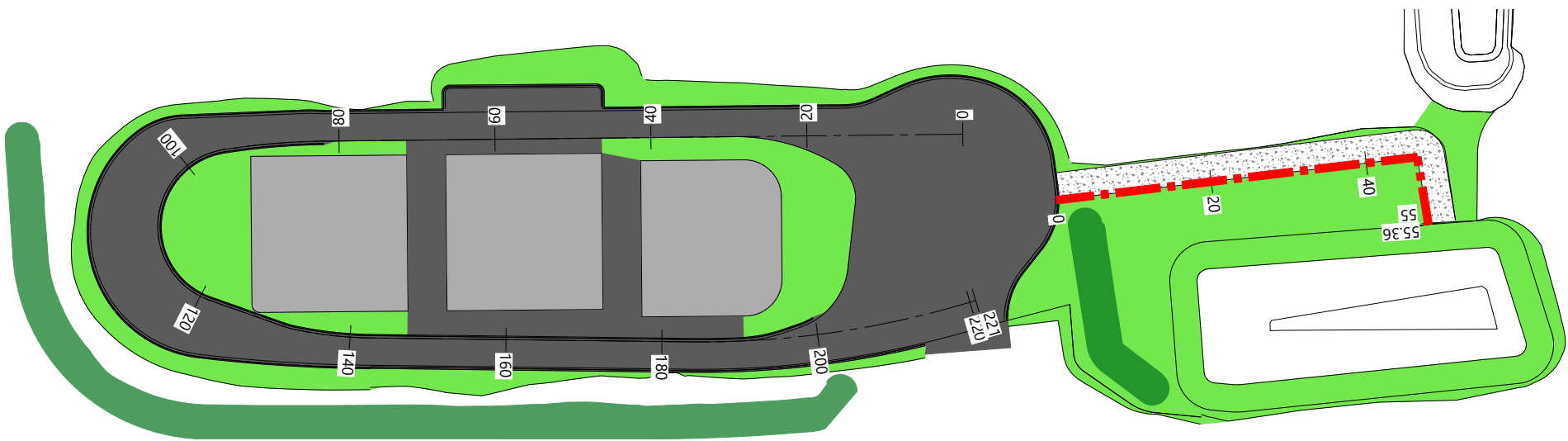
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



MILLDALE WASTEWATER TREATMENT PLANT

PROPOSED TYPICAL CROSS SECTIONS - SHEET 2 OF 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:50 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-2201-RD-WWTP	



PLAN VIEW



LEGEND:

- PROPOSED CONCRETE SURFACE
- PROPOSED BUILDING PLATFORM
- PROPOSED GREEN AREA
- PROPOSED MAINTENANCE TRACK
- PROPOSED ACCESSWAY



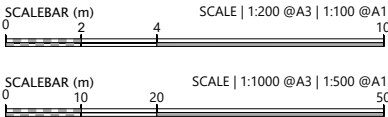
Horizontal Curve Length (m)

Vertical Geometry K value/Grade (%)
Vertical Grade/ Curve Length (m)

DATUM R.L. = 2.00

EXISTING SURFACE	12.47	12.23	11.84	11.68	11.81	11.62	11.70
CUT / FILL DEPTH	0.65	0.19	0.20	0.15	-0.08	0.07	0.04
CL DESIGN LEVELS	13.12	12.43	12.04	11.83	11.74	11.69	11.74
CHAINAGE	0.00	6.90	20.00	26.90	40.00	46.61	55.36

ACCESSWAY 02 LONGITUDINAL SECTION
HORZ 1:1000 @A3 VERT 1:200 @A3



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
[WOODS.CO.NZ](https://www.woods.co.nz)



MILLDALE WASTEWATER TREATMENT PLANT
PROPOSED ACCESSWAYS LONG SECTIONS - SHEET 2 OF 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	AS SHOWN @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-2601-RD-WWTF	



LEGEND:

- STAGE 8 BOUNDARY
EXISTING BOUNDARY
INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
WATERLOO STREAM
20.0m OFFSET FROM WATERCOURSE
50.0m OFFSET FROM WATERCOURSE
EXISTING WASTEWATER TRANSMISSION LINE
PROPOSED PRIVATE STORMWATER NETWORK
PROPOSED PRIVATE SINGLE AND DOUBLE CATCH PIT
PROPOSED PRIVATE WINGWALL
PROPOSED WASTEWATER PIPE DISCHARGING TO LAND CONTACT INFILTRATION DEVICE
PROPOSED WASTEWATER RISING MAIN FROM TAKE-OFF MANHOLE
PROPOSED WASTEWATER PIPE DISCHARGING BACK TO EXISTING TRANSMISSION LINE
EXISTING CONTOUR (1.0m INTERVAL)
PROPOSED CONTOUR (0.2m INTERVALS)

Impervious area of WWTP (m²)
3670

NOTES

- ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STANDARDS AND WATERCARE STANDARDS.
- FOR PIPE BEDDING DETAILS REFER TO STANDARD DETAIL SHEETS UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTIONS IN WHICH CASE SUCH NOTES TAKE PRECEDENCE.
- CONCRETE PIPES ARE TO BE CLASS 4 (Z) RRJ UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTIONS IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
- ALL PIPE CROSSINGS UNDER HARDSTAND SURFACES TO BE HARDFILL BACKFILLED.
- ALL MANHOLES ARE TO BE 1050mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
- ALL CESSPITS ARE TO BE STANDARD 675mm X 450mm WITH BACK ENTRY INLETS.
- THE CONTRACTOR IS TO PEG MANHOLES AND CHECK FINISHED EARTHWORKS LEVELS (MH LID LEVELS) PRIOR TO ORDERING MANHOLES.
- ALL CESSPIT LEADS TO BE 225mm DIA. SN16 uPVC PIPES UNLESS SHOWN OTHERWISE.
- PIPE SIZING IS TO BE CONFIRMED AT BUILDING CONSENT STAGE.

LYSNAR ROAD

STAGE 8

EXISTING CULVERT

OUTLET 01/01
RIPRAP FOR SCOUR PROTECTION, TO BE SIZED AT THE DETAILED DESIGN STAGE

PROPOSED LAND CONTACT INFILTRATION DEVICE
REFER TO DRAWING P24-189-3200-DR-WWTP FOR DETAILS

PROPOSED 150mmØ PE WASTEWATER PIPE DISCHARGING BACK TO THE EXISTING TRANSMISSION LINE

PROPOSED WASTEWATER TAKE-OFF MANHOLE

PROPOSED STORMWATER DRY BASIN
REFER TO DRAWING P24-189-3300-DR-WWTP FOR DETAILS

RIPRAP FOR SCOUR PROTECTION, TO BE SIZED AT THE DETAILED DESIGN STAGE

SCALEBAR (m)
0 8 16 40
SCALE | 1:800 @A3 | 1:400 @A1

REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ

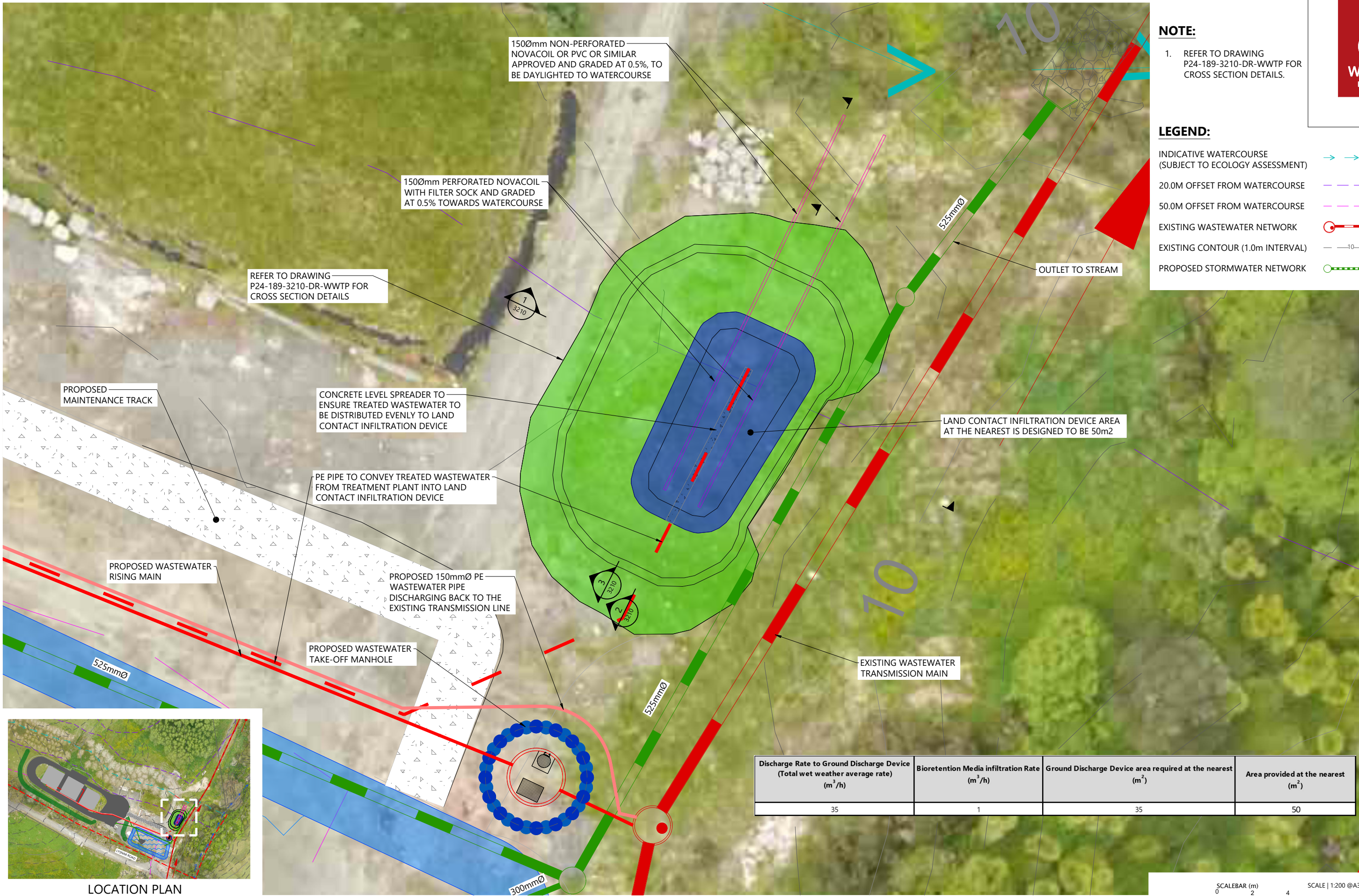


MILLDALE WASTEWATER TREATMENT PLANT

PROPOSED STORMWATER LAYOUT PLAN



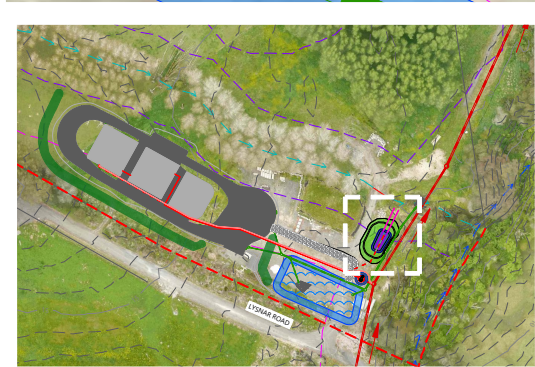
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SCALE	1:800 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-3000-DR-WWTP	



NOTE:

1. REFER TO DRAWING P24-189-3210-DR-WWTP FOR CROSS SECTION DETAILS.

- LEGEND:**
- INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
 - 20.0M OFFSET FROM WATERCOURSE
 - 50.0M OFFSET FROM WATERCOURSE
 - EXISTING WASTEWATER NETWORK
 - EXISTING CONTOUR (1.0m INTERVAL)
 - PROPOSED STORMWATER NETWORK



LOCATION PLAN
SCALE: N.T.S

Discharge Rate to Ground Discharge Device (Total wet weather average rate) (m ³ /h)	Bioretention Media infiltration Rate (m ³ /h)	Ground Discharge Device area required at the nearest (m ²)	Area provided at the nearest (m ²)
35	1	35	50



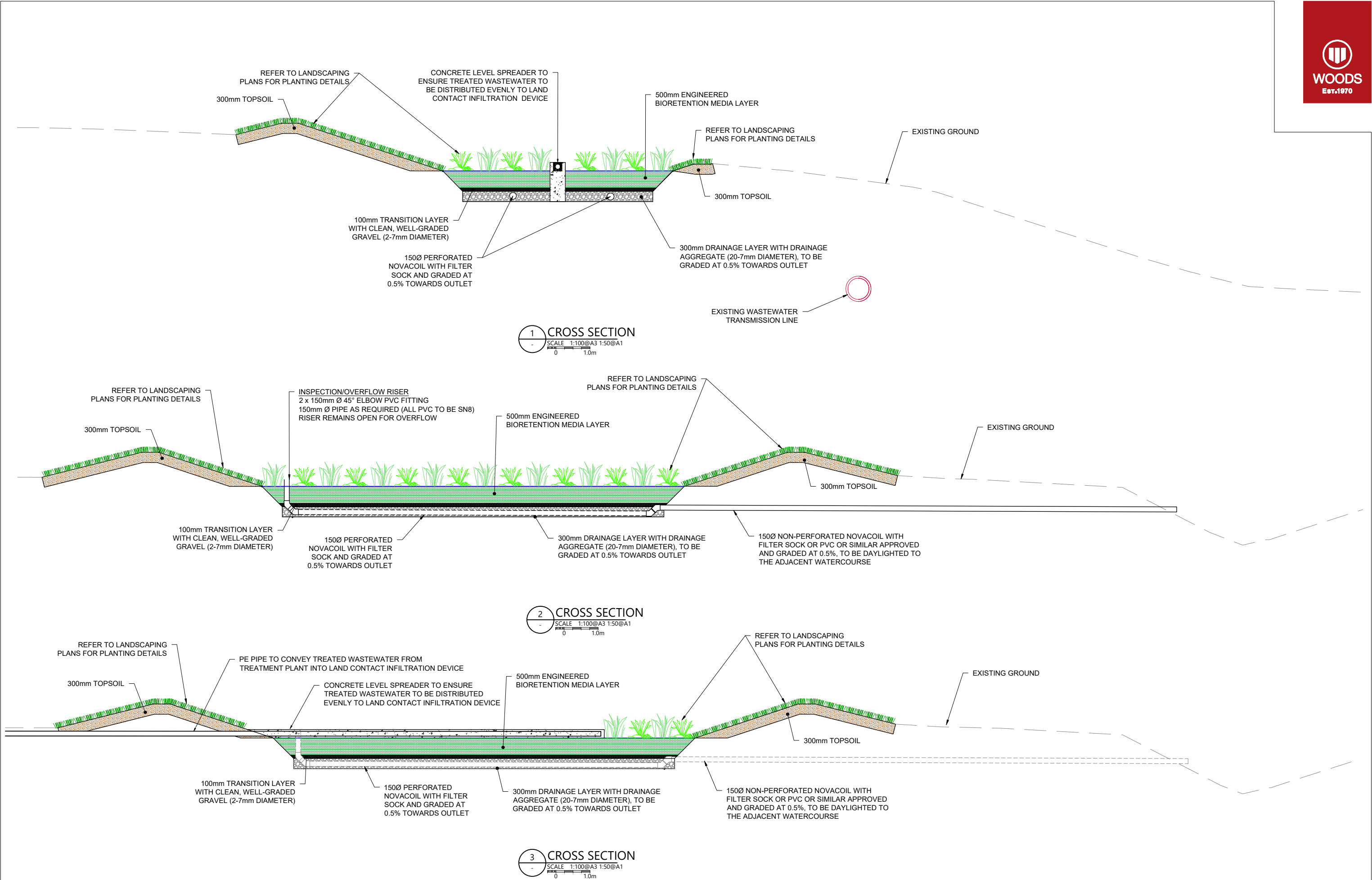
REVISION DETAILS		INT	DATE	SURVEYED	WOODS
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				DRAWN	YC
				CHECKED	TR
				APPROVED	TR

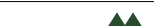

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



MILLDALE WASTEWATER TREATMENT PLANT
PROPOSED LAND CONTACT INFILTRATION DEVICE PLAN

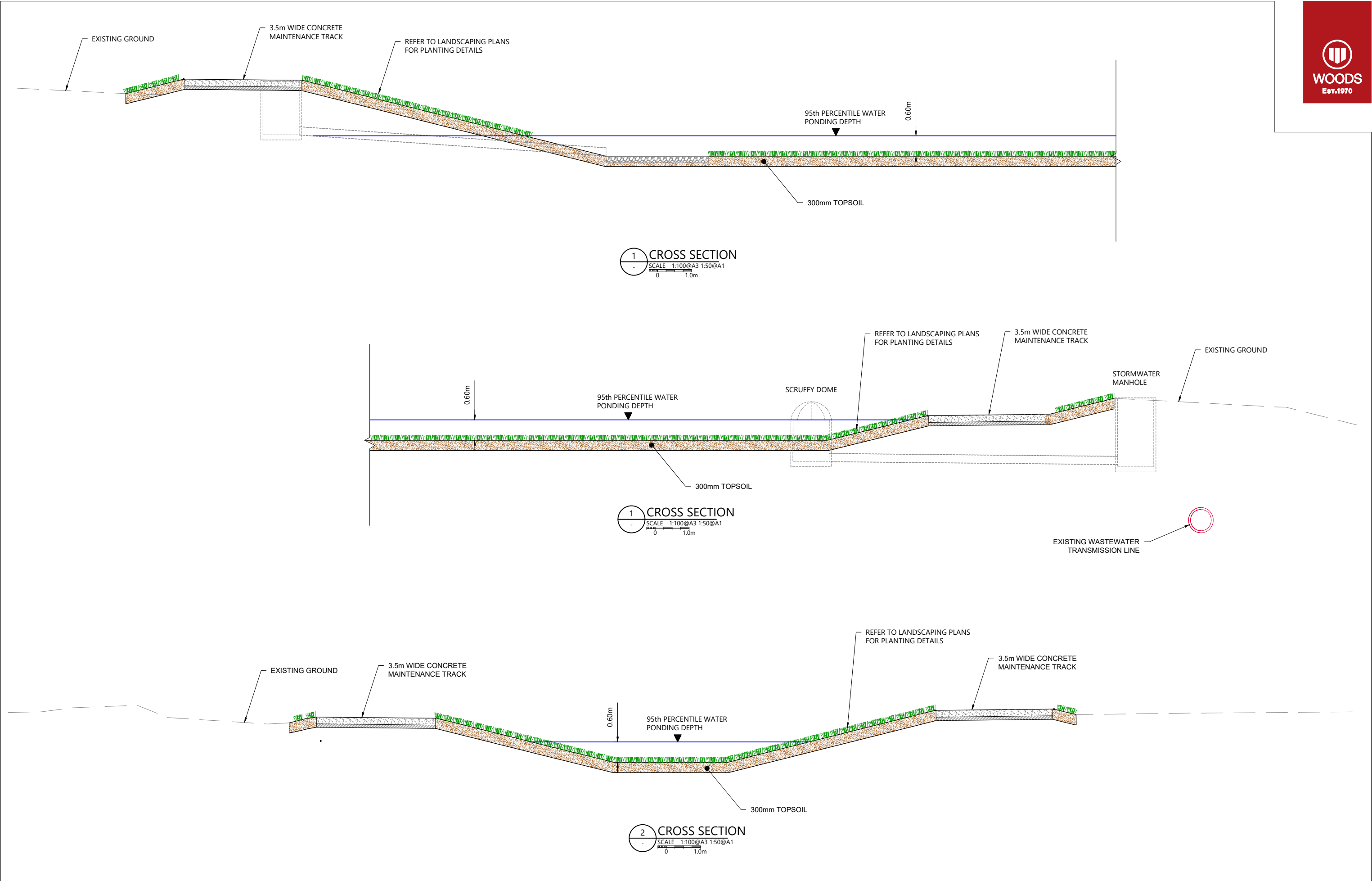
N	STATUS	ISSUED FOR CONSENT	REV
	SCALE	1:200 @ A3	1
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-189-3200-DR-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ	 MILLDALE <i>Connecting Lifesystems</i>	MILLDALE WASTEWATER TREATMENT PLANT				STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				SCALE	AS SHOWN @ A3	AUCKLAND COUNCIL	1			
				DRAWN	YC										
				CHECKED	TR										
				APPROVED	TR				DWG NO	P24-189-3210-DR-WWTP					



STATUS	ISSUED FOR CONSENT	REV
SCALE	1:200 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-3300-DR-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ	 MILLDALE <i>Connecting Lifesystems</i>	MILLDALE WASTEWATER TREATMENT PLANT			STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				SCALE	AS SHOWN @ A3	1			
				DRAWN	YC				COUNCIL	AUCKLAND COUNCIL				
				CHECKED	TR				DWG NO	P24-189-3310-DR-WWTP				
				APPROVED	TR									



LEGEND:

- STAGE 8 BOUNDARY
- EXISTING BOUNDARY
- INDICATIVE WATERCOURSE (SUBJECT TO ECOLOGY ASSESSMENT)
- WATERLOO STREAM
- 20.0m OFFSET FROM WATERCOURSE
- 50.0m OFFSET FROM WATERCOURSE
- EXISTING WASTEWATER TRANSMISSION LINE
- OVERLAND FLOW PATH DIRECTION
- EXISTING CONTOUR (1.0m INTERVAL)
- PROPOSED CONTOUR (0.2m INTERVALS)



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC
				DRAWN	YC
				CHECKED	TR
				APPROVED	TR



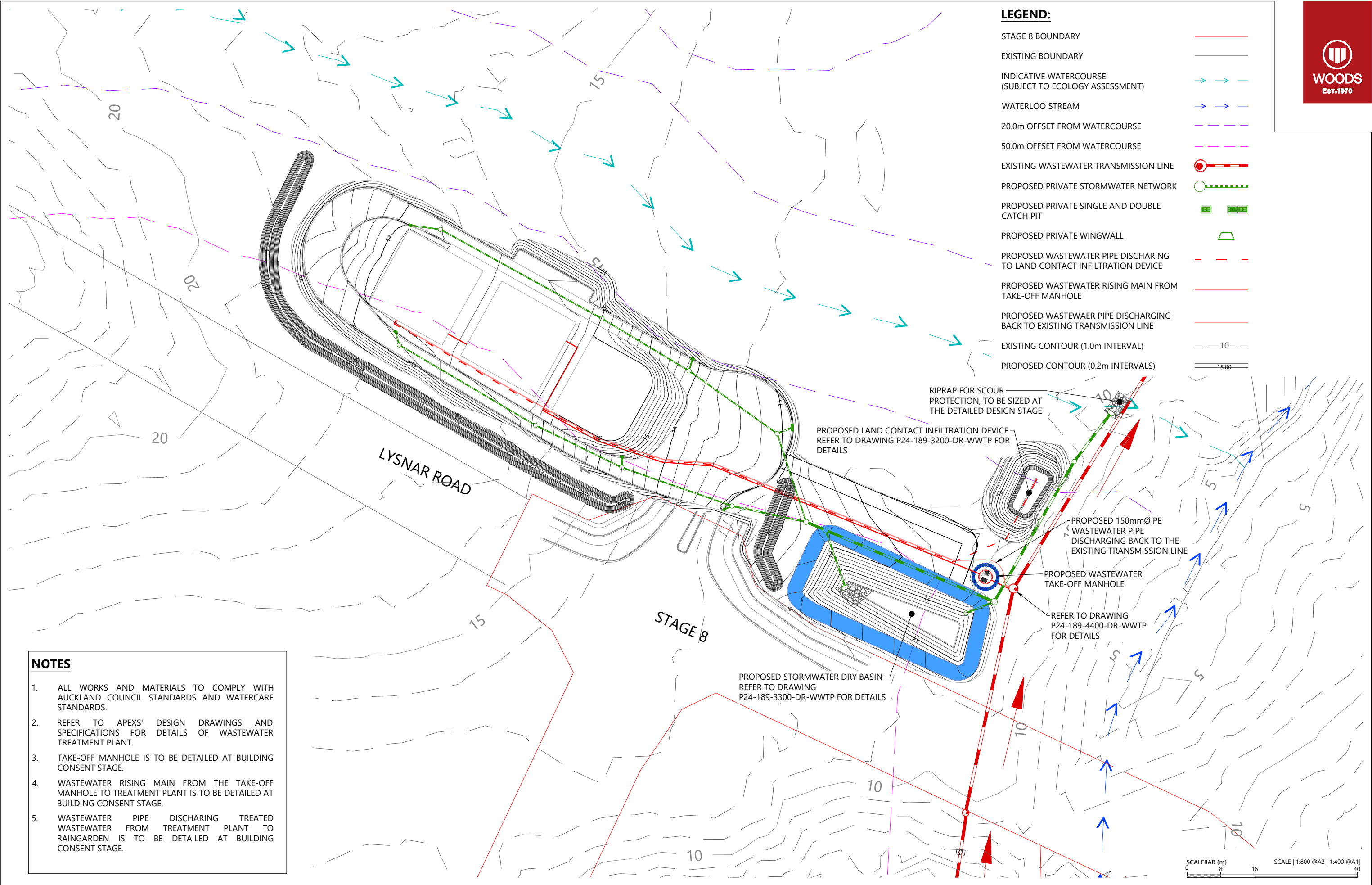
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



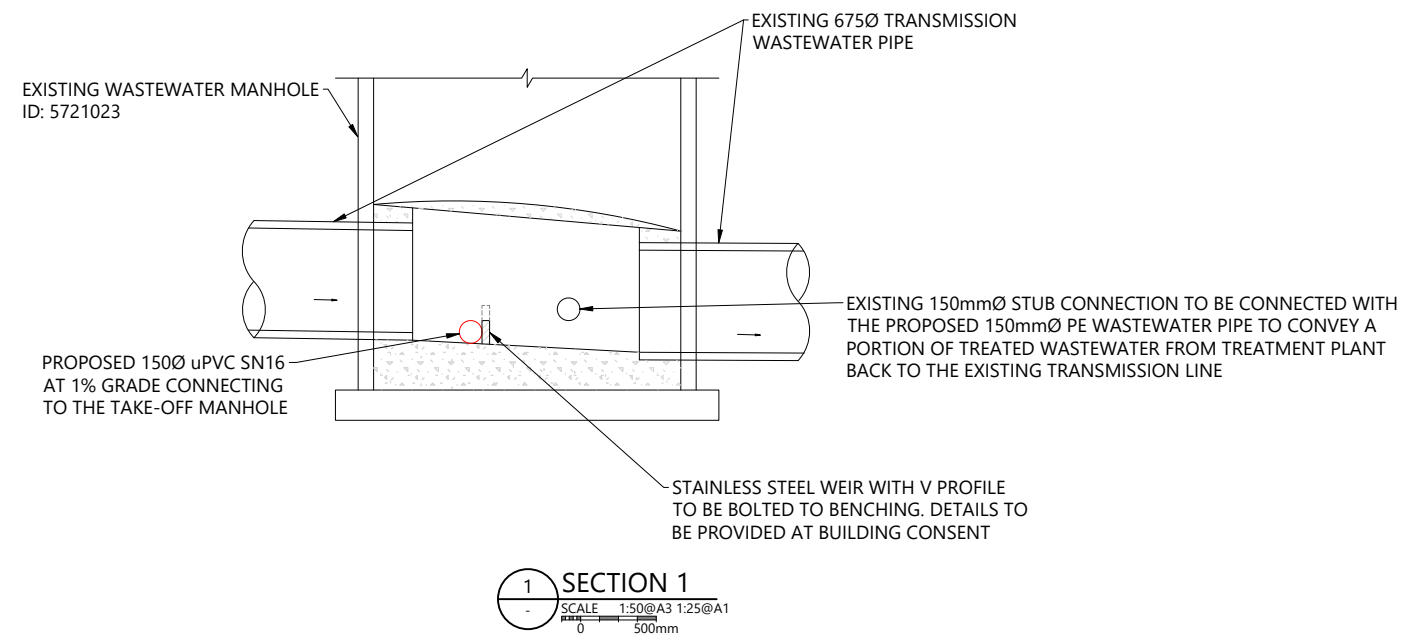
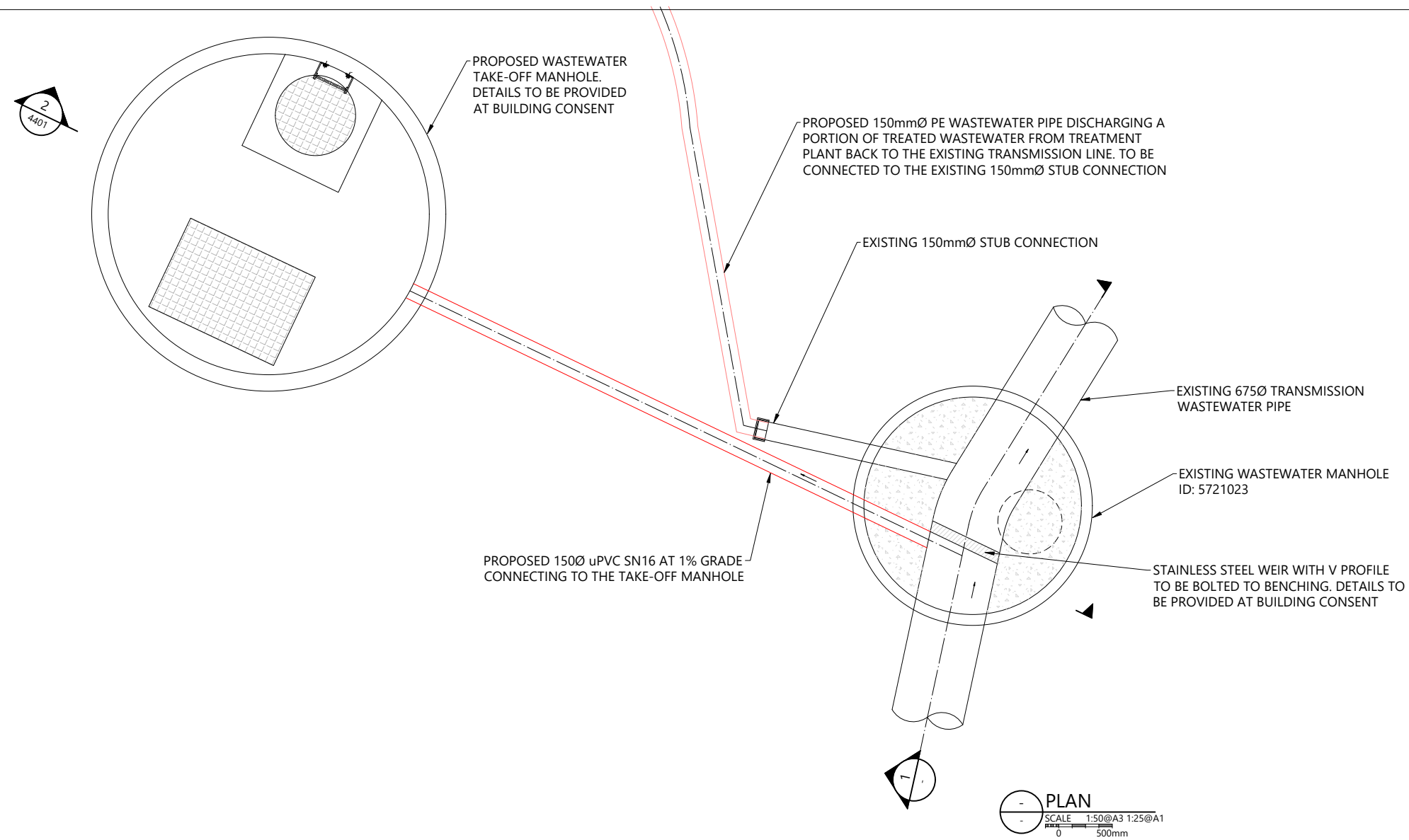
MILLDALE WASTEWATER TREATMENT PLANT
OVERALL STORMWATER OVERLAND FLOW PATH PLAN



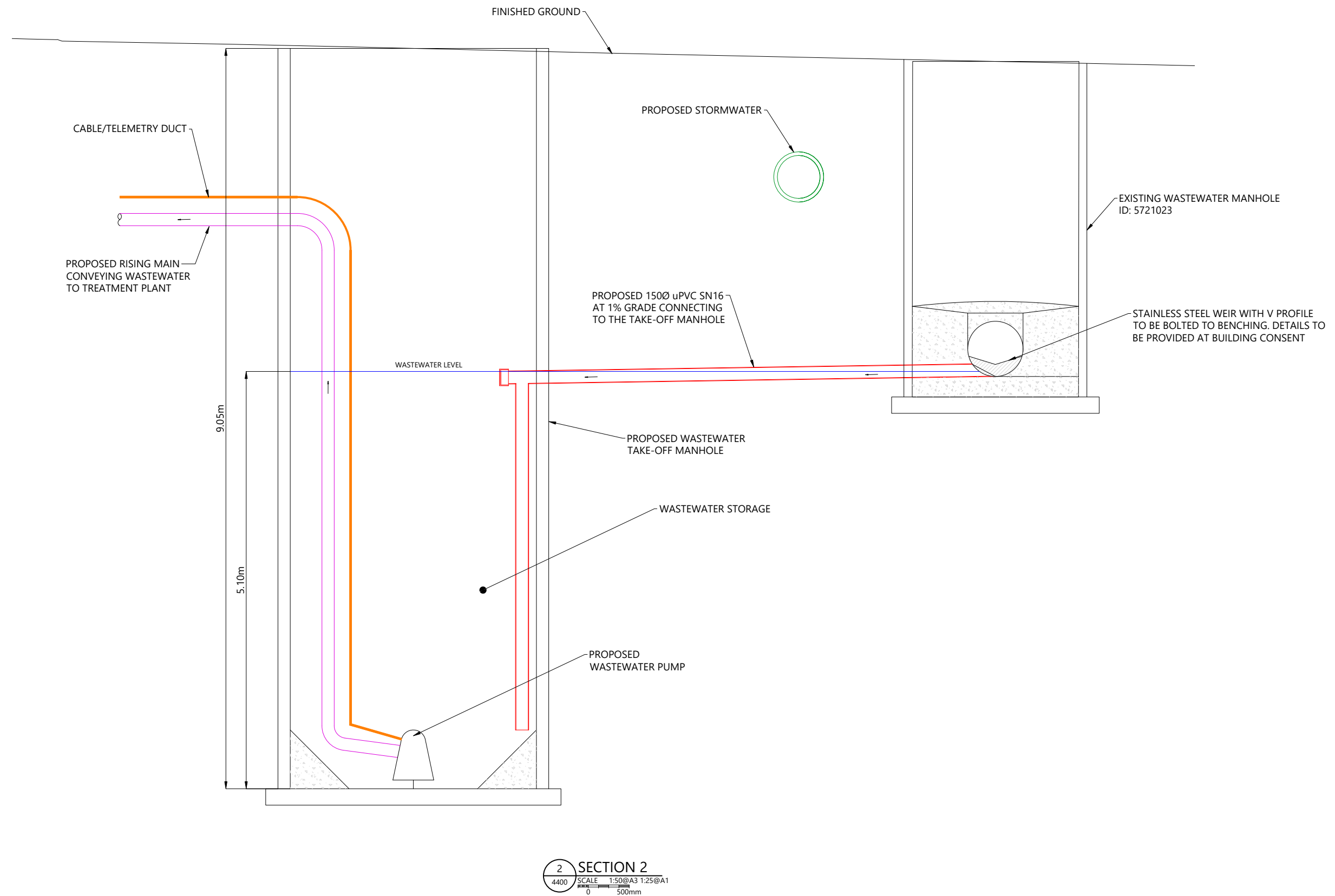
STATUS	ISSUED FOR CONSENT	REV
SCALE	1:800 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-189-3500-DR-WWTP	



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILDDALE WASTEWATER TREATMENT PLANT PROPOSED WASTEWATER LAYOUT PLAN		STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC						SCALE	1:800 @ A3	1
				DRAWN	YC						COUNCIL	AUCKLAND COUNCIL	
				CHECKED	TR						DWG NO	P24-189-4000-DR-WWTP	
				APPROVED	TR								

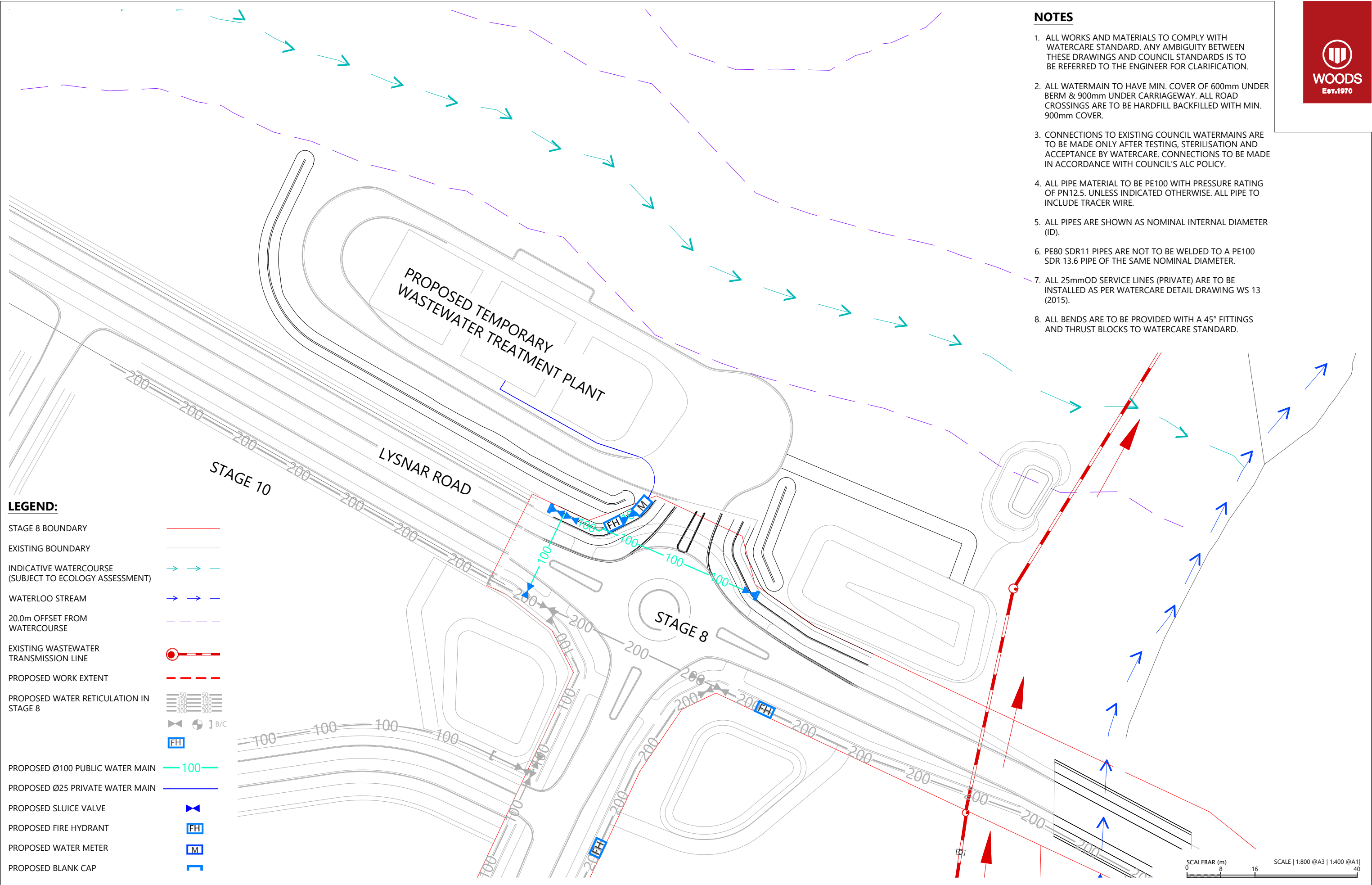


REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILLDALE WASTEWATER TREATMENT PLANT EXISTING WASTEWATER CONNECTION MANHOLE DETAILS			STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC							SCALE	AS SHOWN @ A3	1
				DRAWN	YC							COUNCIL	AUCKLAND COUNCIL	
				CHECKED	TR							DWG NO	P24-189-4400-DR-WWTP	
				APPROVED	TR									



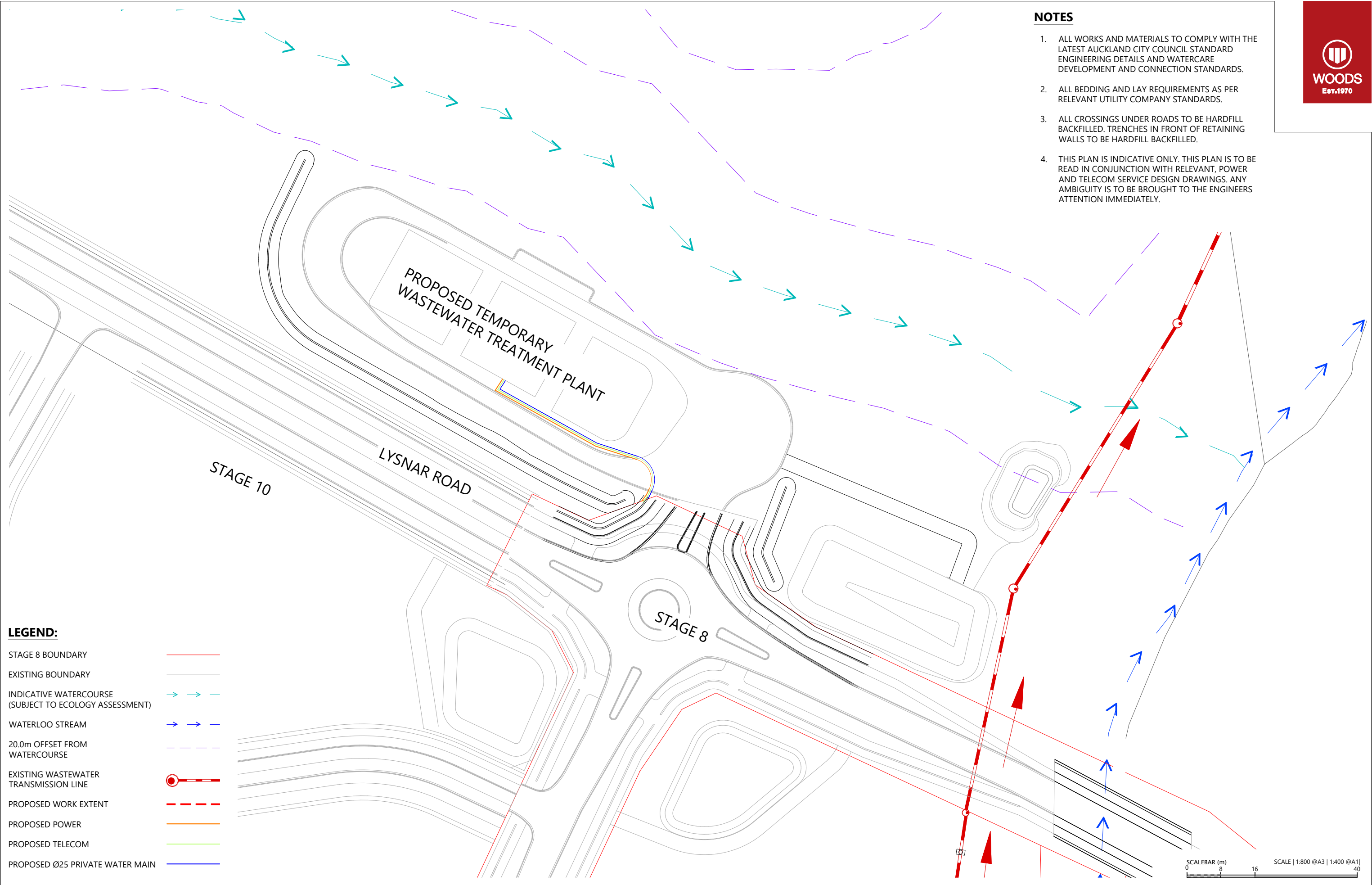
2 SECTION 2
4400 SCALE 1:50@A3 1:25@A1
0 500mm

REVISION DETAILS		INT	DATE	SURVEYED	WOODS		<div><p>MILLDALE Connecting Lifestyles</p></div>	MILLDALE WASTEWATER TREATMENT PLANT			<div><p>MILLDALE Connecting Lifestyles</p></div>	PROPOSED WASTEWATER TAKE-OFF MANHOLE DETAILS				STATUS ISSUED FOR CONSENT			REV 1				
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				<div><p>MILLDALE Connecting Lifestyles</p></div>				<div><p>MILLDALE Connecting Lifestyles</p></div>	BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229			<div><p>MILLDALE Connecting Lifestyles</p></div>	SCALE		AS SHOWN @ A3			
				DRAWN	YC					COUNCIL		AUCKLAND COUNCIL											
				CHECKED	TR					DWG NO		P24-189-4401-DR-WWTP											
				APPROVED	TR																		



REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		MILLDALE WASTEWATER TREATMENT PLANT PROPOSED WATER MAIN LAYOUT PLAN		STATUS	ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC						SCALE	1:800 @ A3	1
				DRAWN	YC						COUNCIL	AUCKLAND COUNCIL	
				CHECKED	TR								
				APPROVED	TR								





REVISION DETAILS		INT	DATE	SURVEYED	WOODS		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ	 MILLDALE <i>Connecting Lifestyles</i>	MILLDALE WASTEWATER TREATMENT PLANT					STATUS		ISSUED FOR CONSENT	REV
1	ISSUED FOR CONSENT	YC	FEB 2025	DESIGNED	YC				SCALE		1:800 @ A3	1					
				DRAWN	YC				COUNCIL		AUCKLAND COUNCIL						
				CHECKED	TR				DWG NO		P24-189-7000-UT-WWTP						
				APPROVED	TR												

