



MILLDALE

Connecting Lifestyles

MILLDALE STAGES 14-17 FAST TRACK APPLICATION

PHASE 1 - WATER
INFRASTRUCTURE & TE
KOROWAI O MARAEARIKI

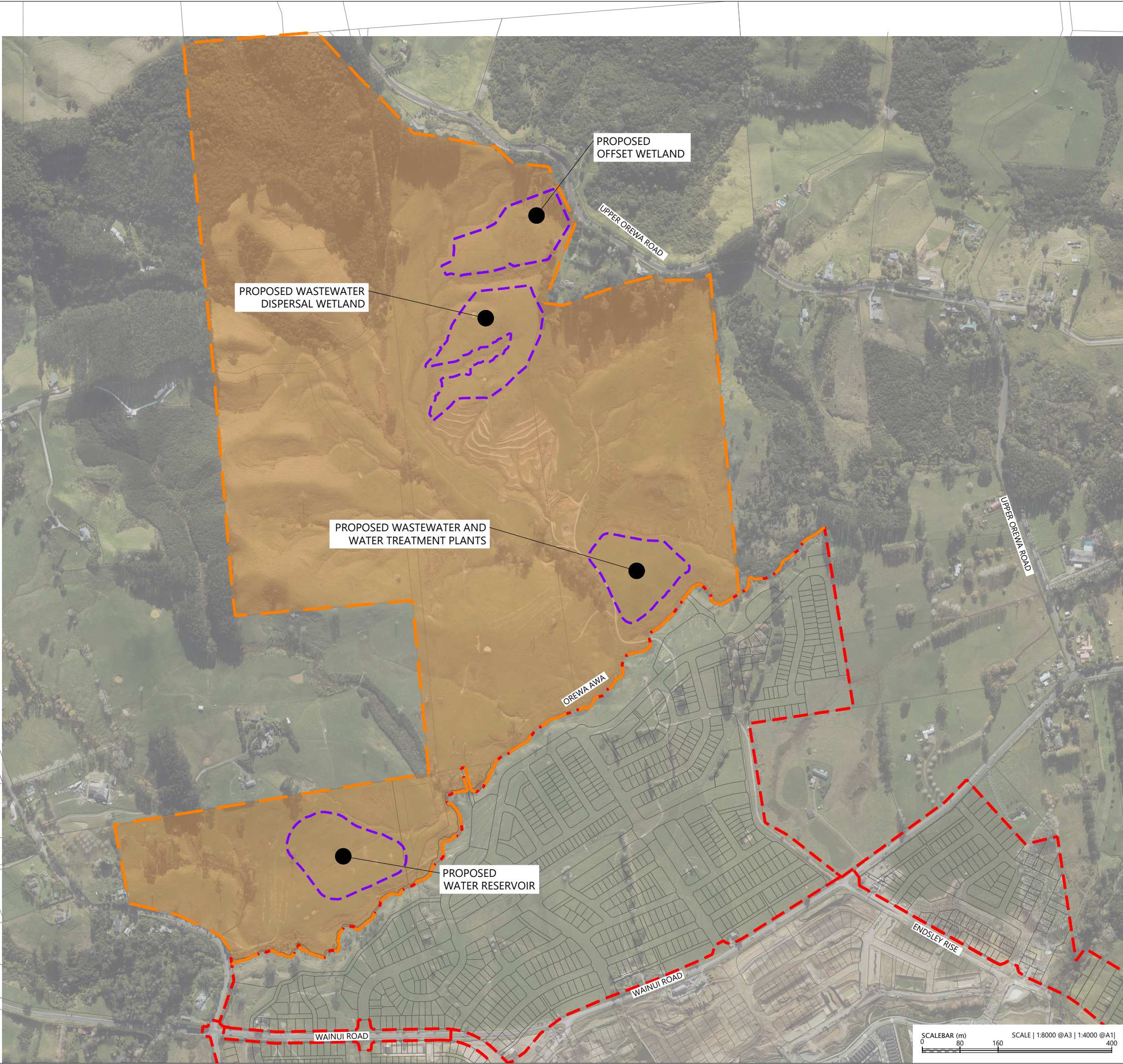
CONSENT DRAWINGS
AUGUST 2026



MILLDALE STAGES 14-17 WATER INFRASTRUCTURE CONSENT DRAWINGS DRAWINGS INDEX

DRAWING NUMBER	REV	DRAWING TITLE
P25-609-02-0001-EW	1	SITE LOCATION PLAN
P25-609-02-0002-EW	1	EXISTING TITLES PLAN
P25-609-02-0003-EW	1	ZONING PLAN
P25-609-02-1000-EW	1	EXISTING CONTOUR LAYOUT OVERALL PLAN
P25-609-02-1001-EW	1	EXISTING CONTOUR LAYOUT PLAN - SHEET 1
P25-609-02-1002-EW	1	EXISTING CONTOUR LAYOUT PLAN - SHEET 2
P25-609-02-1003-EW	1	EXISTING CONTOUR LAYOUT PLAN - SHEET 3
P25-609-02-1100-EW	1	DESIGN CONTOUR LAYOUT OVERALL PLAN
P25-609-02-1101-EW	1	DESIGN CONTOUR LAYOUT PLAN - SHEET 1
P25-609-02-1102-EW	1	DESIGN CONTOUR LAYOUT PLAN - SHEET 2
P25-609-02-1103-EW	1	DESIGN CONTOUR LAYOUT PLAN - SHEET 3
P25-609-02-1200-EW	1	CUT/FILL LAYOUT OVERALL PLAN
P25-609-02-1201-EW	1	CUT/FILL LAYOUT - SHEET 1
P25-609-02-1202-EW	1	CUT/FILL LAYOUT - SHEET 2
P25-609-02-1203-EW	1	CUT/FILL LAYOUT - SHEET 3
P25-609-02-1250-EW	1	EARTHWORKS IN RIPARIAN MARGINS OVERALL PLAN
P25-609-02-1251-EW	1	EARTHWORKS IN RIPARIAN MARGINS - SHEET 1
P25-609-02-1252-EW	1	EARTHWORKS IN RIPARIAN MARGINS - SHEET 2
P25-609-02-1253-EW	1	EARTHWORKS IN RIPARIAN MARGINS - SHEET 3
P25-609-02-1260-EW	1	EARTHWORKS IN WETLAND MARGINS OVERALL PLAN
P25-609-02-1261-EW	1	EARTHWORKS IN WETLAND MARGINS - SHEET 1
P25-609-02-1262-EW	1	EARTHWORKS IN WETLAND MARGINS - SHEET 2

DRAWING NUMBER	REV	DRAWING TITLE
P25-609-02-1263-EW	1	EARTHWORKS IN WETLAND MARGINS - SHEET 3
P25-609-02-1400-EW	1	ECOLOGICAL FEATURES OVERALL PLAN
P25-609-02-1401-EW	1	ECOLOGICAL FEATURES PLAN - SHEET 1
P25-609-02-1402-EW	1	ECOLOGICAL FEATURES PLAN - SHEET 2
P25-609-02-1403-EW	1	ECOLOGICAL FEATURES PLAN - SHEET 3
P25-609-02-1600-EW	1	SEDIMENT AND EROSION CONTROL OVERALL PLAN
P25-609-02-1601-EW	1	SEDIMENT AND EROSION CONTROL PLAN - SHEET 1
P25-609-02-1602-EW	1	SEDIMENT AND EROSION CONTROL PLAN - SHEET 2
P25-609-02-1603-EW	1	SEDIMENT AND EROSION CONTROL STANDARD DETAILS - SHEET 1
P25-609-02-1604-EW	1	SEDIMENT AND EROSION CONTROL STANDARD DETAILS - SHEET 2
P25-609-02-1605-EW	1	SEDIMENT AND EROSION CONTROL STANDARD DETAILS - SHEET 3
P25-609-02-2000-RD	1	WATER INFRASTRUCTURE OVERALL LAYOUT PLAN
P25-609-02-2001-RD	1	PROPOSED WATER SUPPLY AND WASTEWATER TREATMENT PLANTS OVERALL LAYOUT PLAN
P25-609-02-2002-RD	1	PROPOSED WATER RESERVOIR LAYOUT PLAN
P25-609-02-2003-RD	1	PROPOSED WASTEWATER AND ECOLOGICAL OFFSET WETLANDS LAYOUT PLAN
P25-609-02-2100-RD		WATER AND WASTEWATER TREATMENT PLANTS BUILDING HEIGHT PLAN
P25-609-02-2200-RD	1	PROPOSED TREATMENT PLANT - CROSS SECTIONS
P25-609-02-2800-RD	1	TREATMENT PLANTS VEHICLE TRACKING PLAN
P25-609-02-2900-RD	1	OVERALL RECREATIONAL TRACKS LAYOUT PLAN
P25-609-02-2901-RD	1	RECREATIONAL TRACKS - TYPICAL CROSS SECTIONS
P25-609-02-3000-DR	1	STORMWATER DRAINAGE LAYOUT PLAN
P25-609-02-3500-DR	1	TREATMENT PLANTS OVERLAND FLOWPATH PLAN



LEGEND

EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
PROPOSED BOUNDARIES	
EXISTING BOUNDARIES	
EXTENTS OF PROPOSED EARTHWORK AREAS	

NOTES

1. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

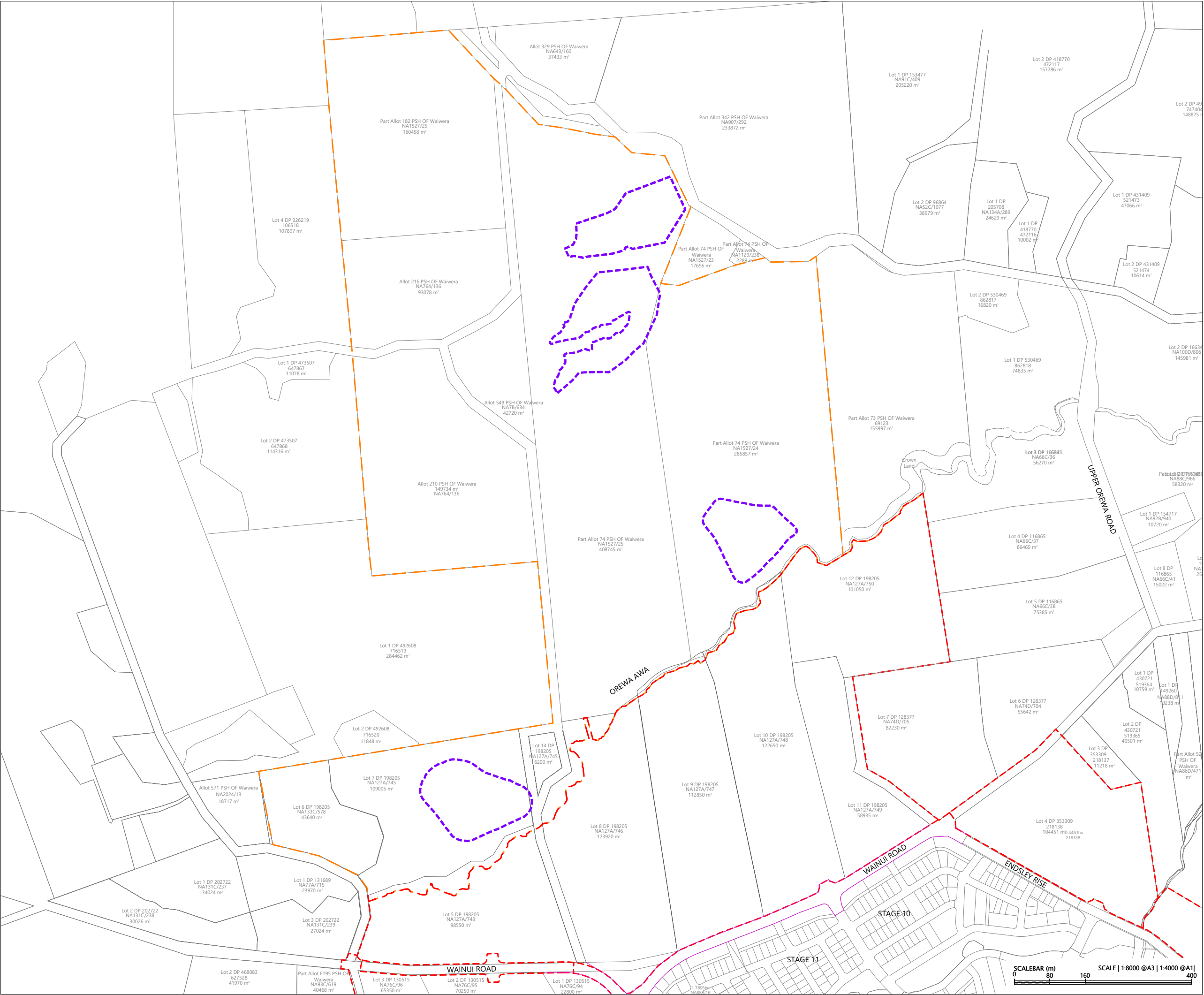
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
SITE LOCATION PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-0001-EW	



LEGEND:

- EXTENTS OF MILLDALE NORTH DEVELOPMENT AREA ---
- EXTENTS OF OF TE KOROWAI O MARAEARIKI ---
- EXISTING/CONSENTED BOUNDARIES ---
- FUTURE WAINUI ROAD BOUNDARIES SUBJECT TO PUBLIC WORKS ACT ---
- WATER INFRASTRUCTURE EARTHWORK EXTENTS ---

REVISION DETAILS		BY	DATE
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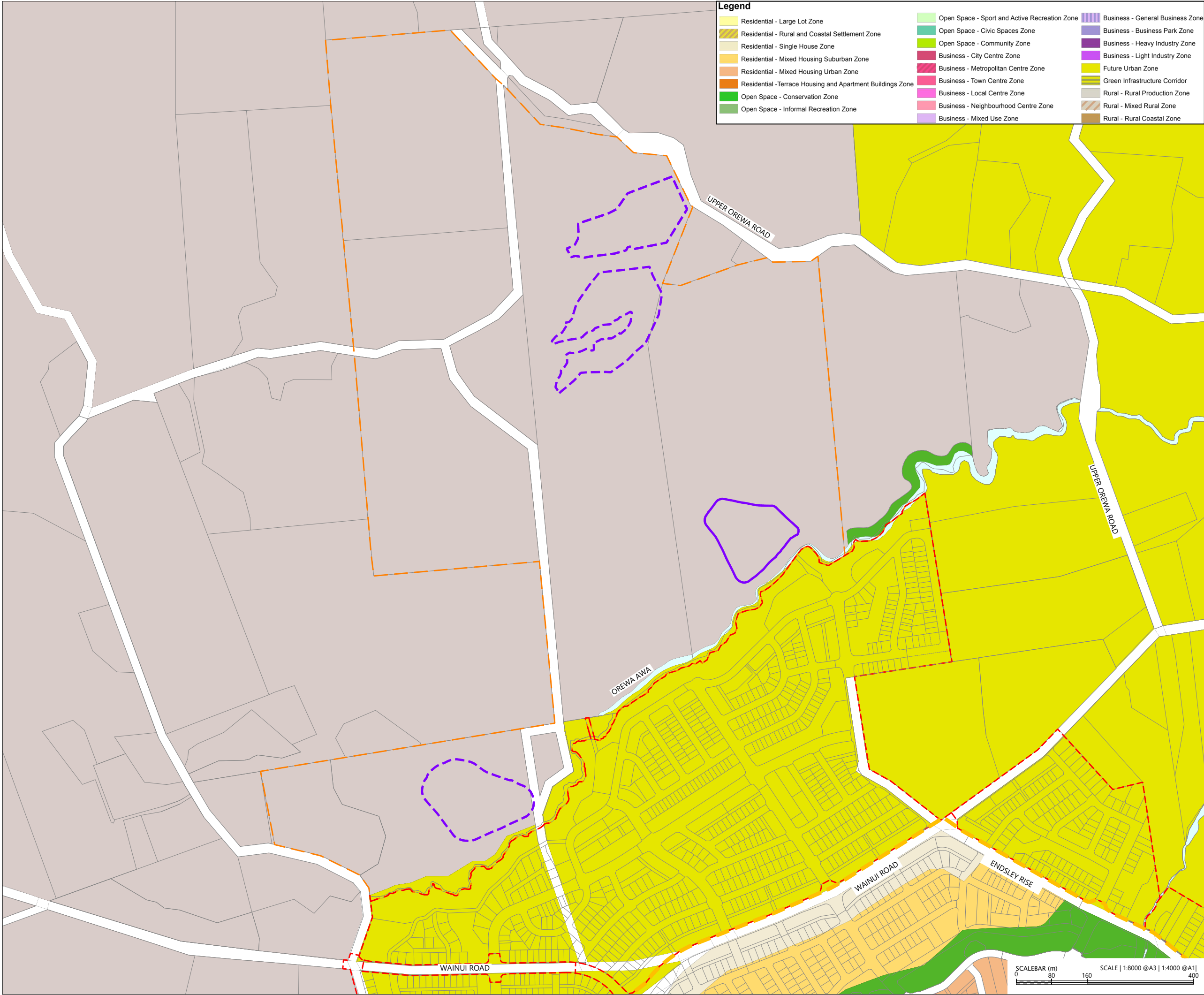
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

Connecting Lives to Life

MILLDALE
STAGES 14-17
FAST-TRACK

PHASE 1:
EXISTING TITLES PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-0002-GE	



LEGEND

EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
PROPOSED BOUNDARIES	
EXISTING BOUNDARIES	
EXTENTS OF PROPOSED EARTHWORK AREAS	
WAINUI PRECINCT BOUNDARY	

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DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

N

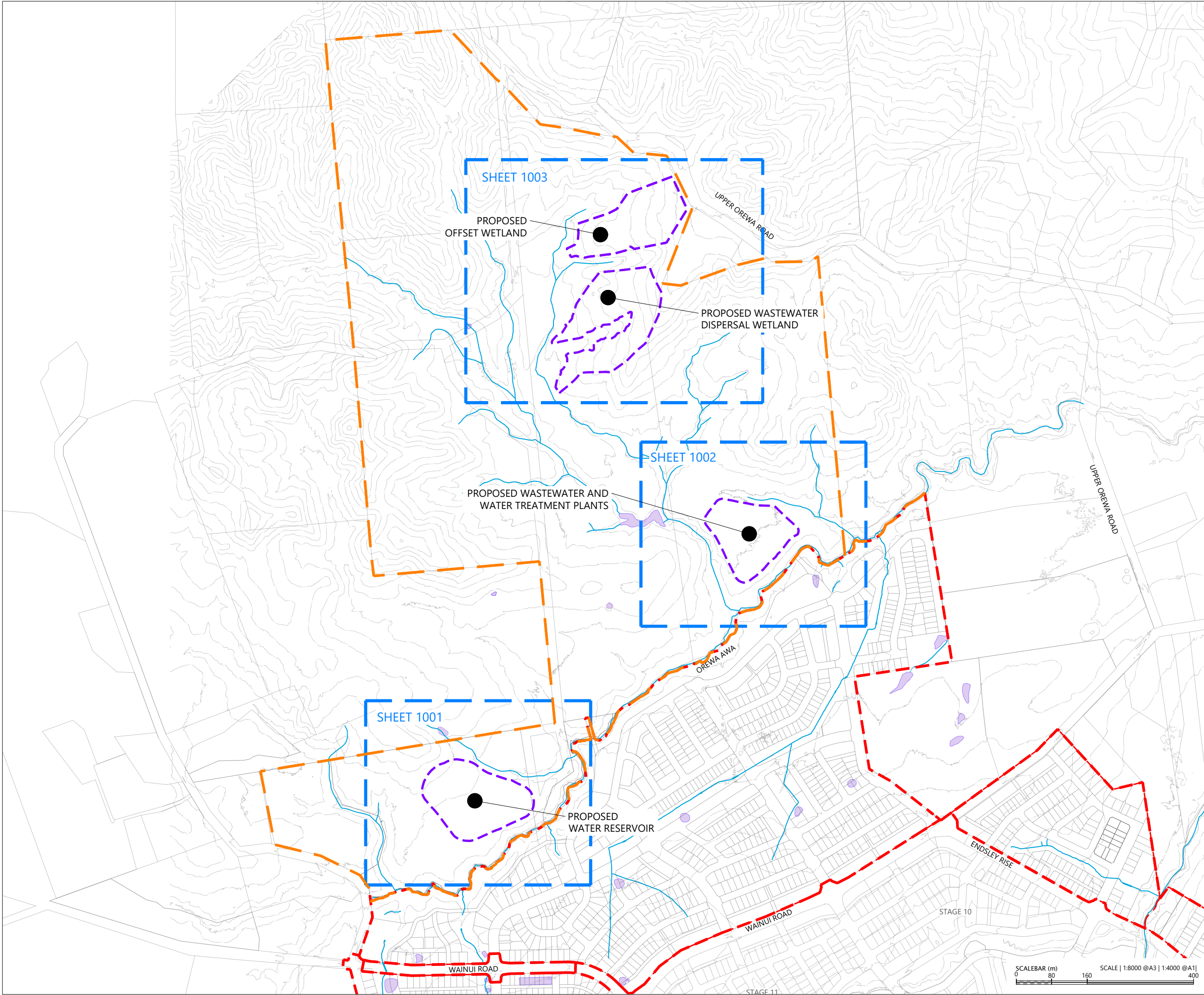


MILLDALE
Connecting Lifespaces

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: ZONING PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-0003-GE	



LEGEND:

EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
EXISTING BOUNDARY	
PROPOSED BOUNDARY	
EXISTING CONTOUR (1m)	
EXTENTS OF PROPOSED EARTHWORK AREAS	
EXISTING WATERCOURSE	
EXISTING POND	

NOTES

- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
- EXISTING WATERCOURSES SHOWN ARE ONLY THOSE THAT HAVE BEEN CLASSIFIED AS PERMANENT OR INTERMITTENT IN VIRIDIS' ECOLOGY REPORTING
- ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS

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DESIGNED	WOODS	
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APPROVED	JW	
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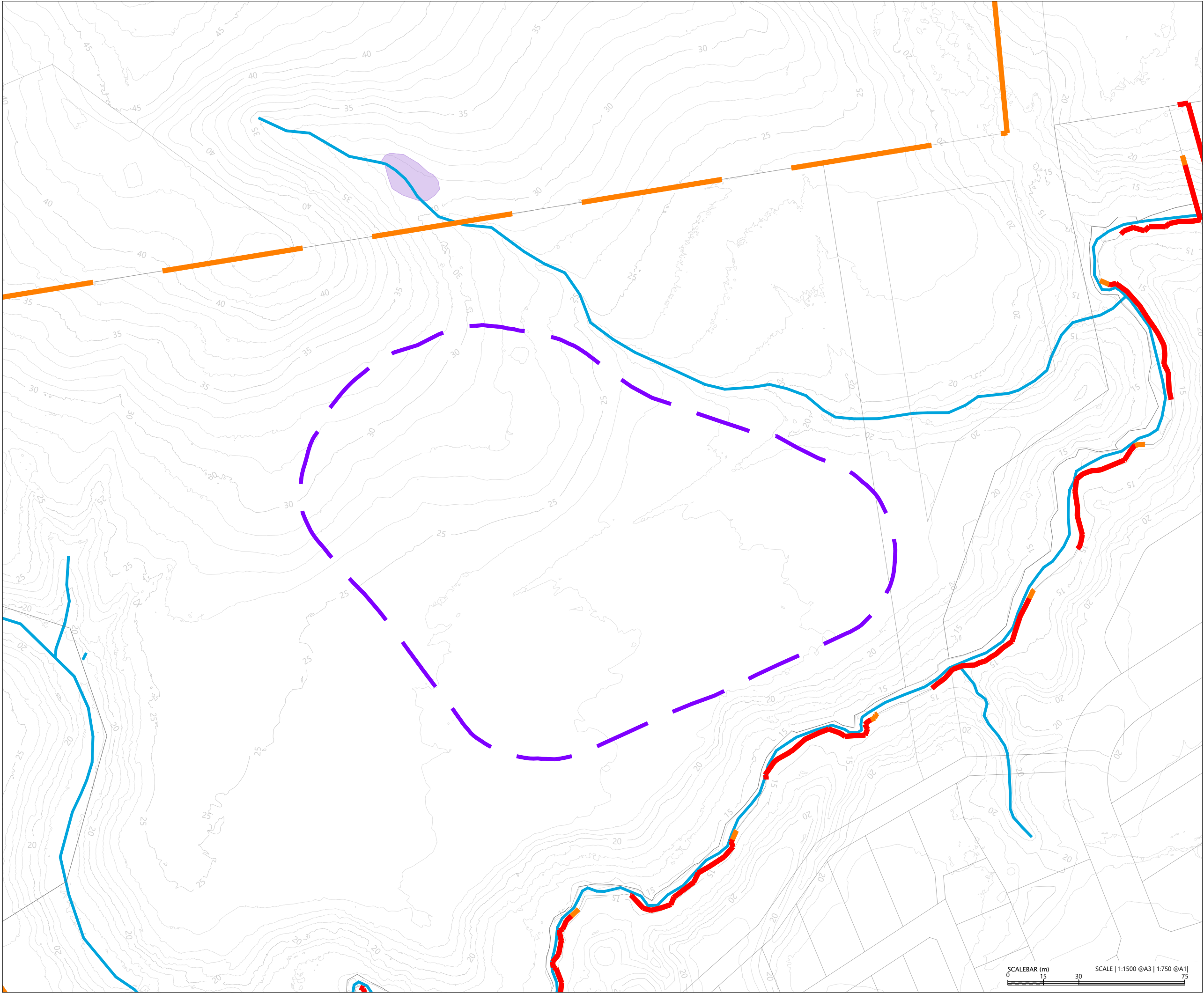


MILLDALE
Connecting Lifespaces

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
EXISTING CONTOUR LAYOUT
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1000-EW	



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR (1m)
- EXTENTS OF PROPOSED EARTHWORK AREAS
- EXISTING WATERCOURSE
- EXISTING POND

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APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
EXISTING CONTOUR LAYOUT
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1001-EW	



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA

- EXTENTS OF TE KOROWAI O MARAEARIKI

- EXISTING BOUNDARY

- PROPOSED BOUNDARY

- EXISTING CONTOUR (1m)

- EXTENTS OF PROPOSED EARTHWORK AREAS

- EXISTING WATERCOURSE

- EXISTING POND

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APPROVED	JW	
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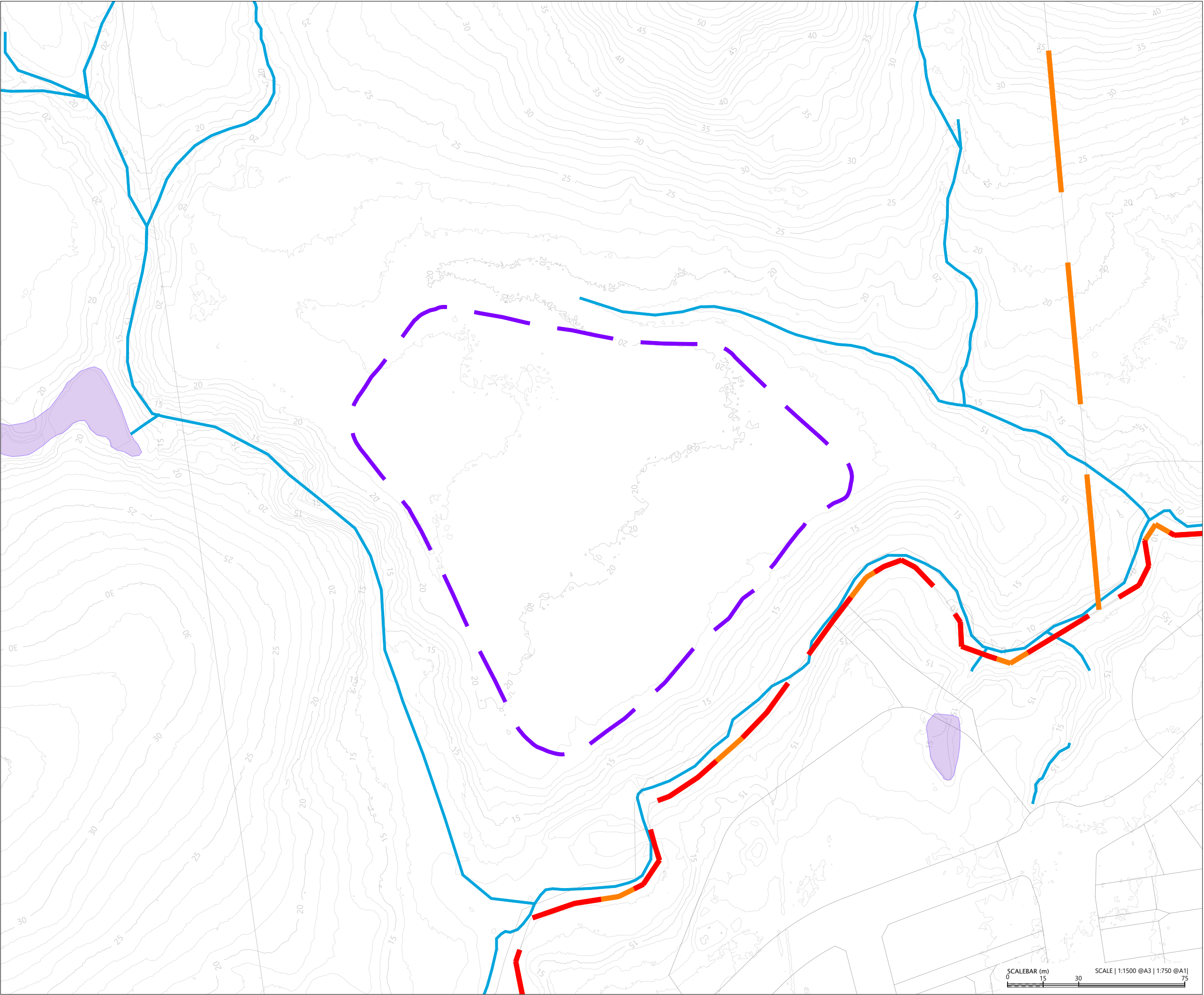
MILLDALE

Connecting Lifespaces

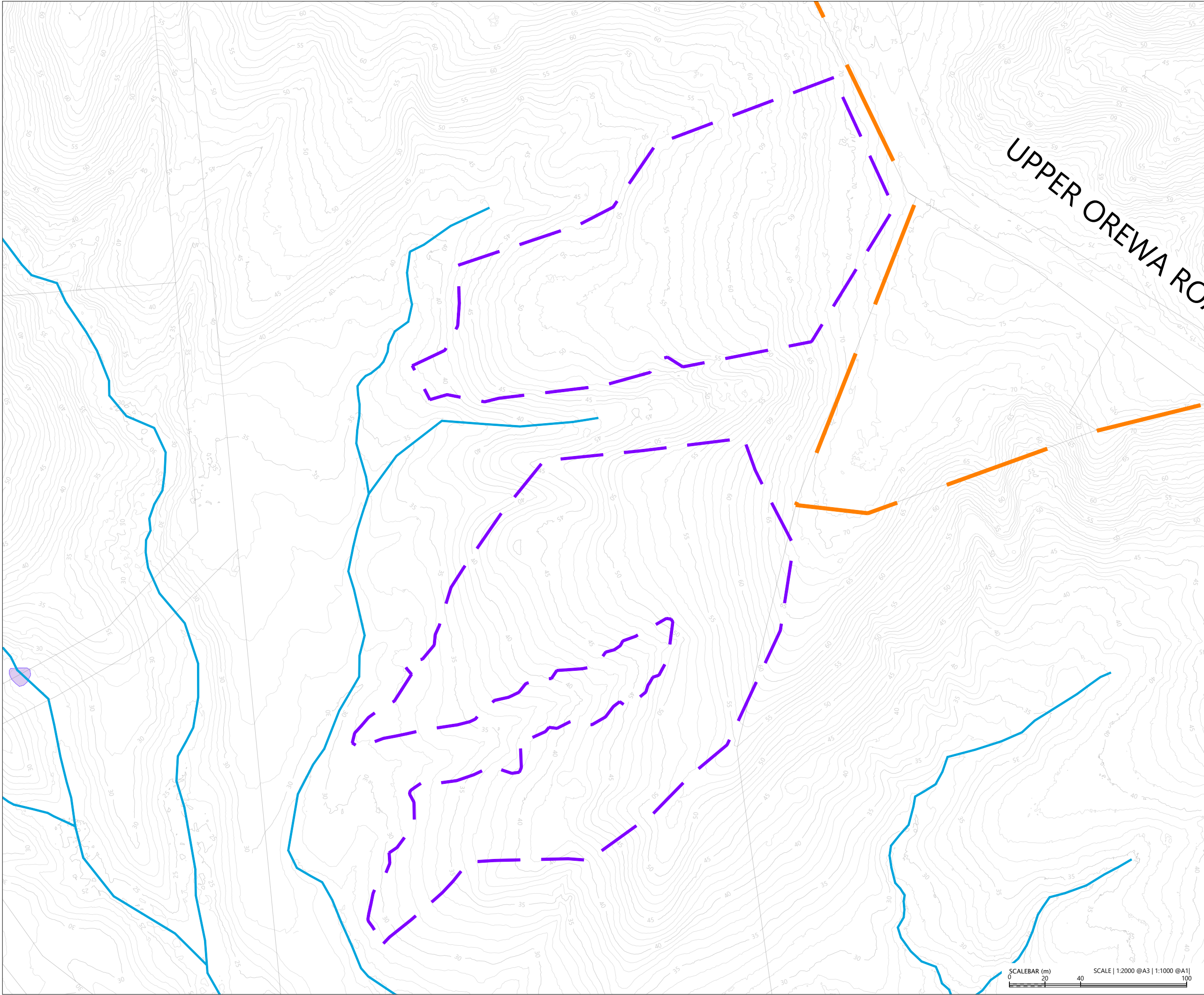
MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
EXISTING CONTOUR LAYOUT
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1002-EW	



File: C:\125\DATA\WP-AKL-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\P25-609-02-1002-EW-EXISTING CONTOUR LAYOUT PLAN.DWG



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR (1m)
- EXTENTS OF PROPOSED EARTHWORK AREAS
- EXISTING WATERCOURSE
- EXISTING POND

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		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
EXISTING CONTOUR LAYOUT
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1003-EW	

LEGEND:

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EXISTING BOUNDARIES
- PROPOSED BOUNDARIES
- DESIGN CONTOUR (1m)

30
- POST-DEVELOPMENT WATERCOURSE
- EXTENTS OF PROPOSED EARTHWORK AREAS
- EXISTING PONDS

NOTES

1. UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
2. ALL UNSUITABLE MATERIAL AS DEFINED IN THE SPECIFICATION IS TO BE REMOVED AND THE STRIPPED AREAS INSPECTED BY THE ENGINEER BEFORE COMMENCES.
3. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
5. THE CONTRACTOR SHALL CLARIFY THE AREAS AND EXTENT OF CLEARING WITH THE ENGINEER BEFORE COMMENCEMENT AND CONFIRM THAT ALL NECESSARY CONSENTS ARE IN PLACE.
6. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
7. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
8. POST-DEVELOPMENT WATERCOURSES SHOWN INCLUDES PERMANENT AND INTERMITTENT WATERCOURSES ONLY
9. ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

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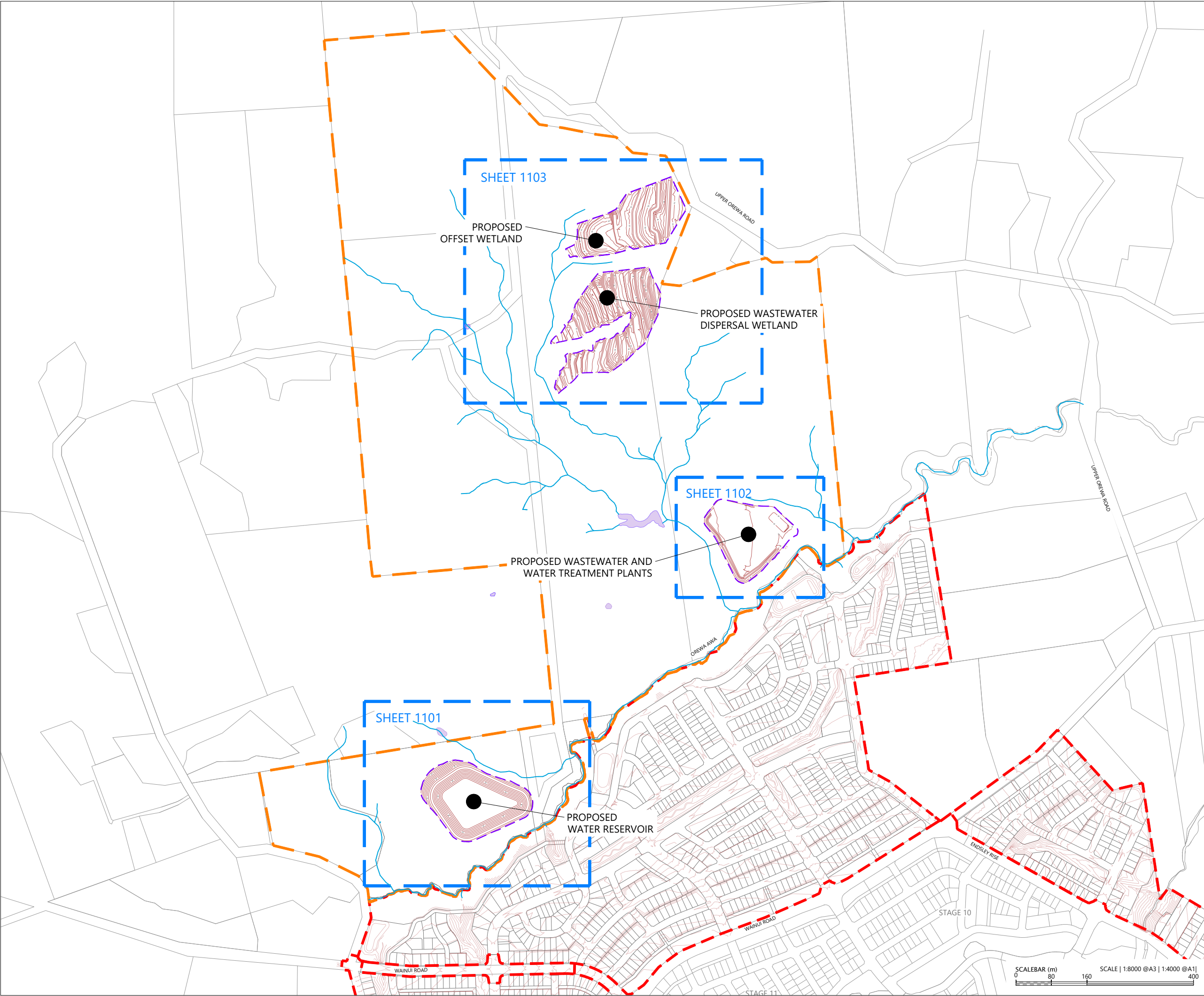
MILLDALE

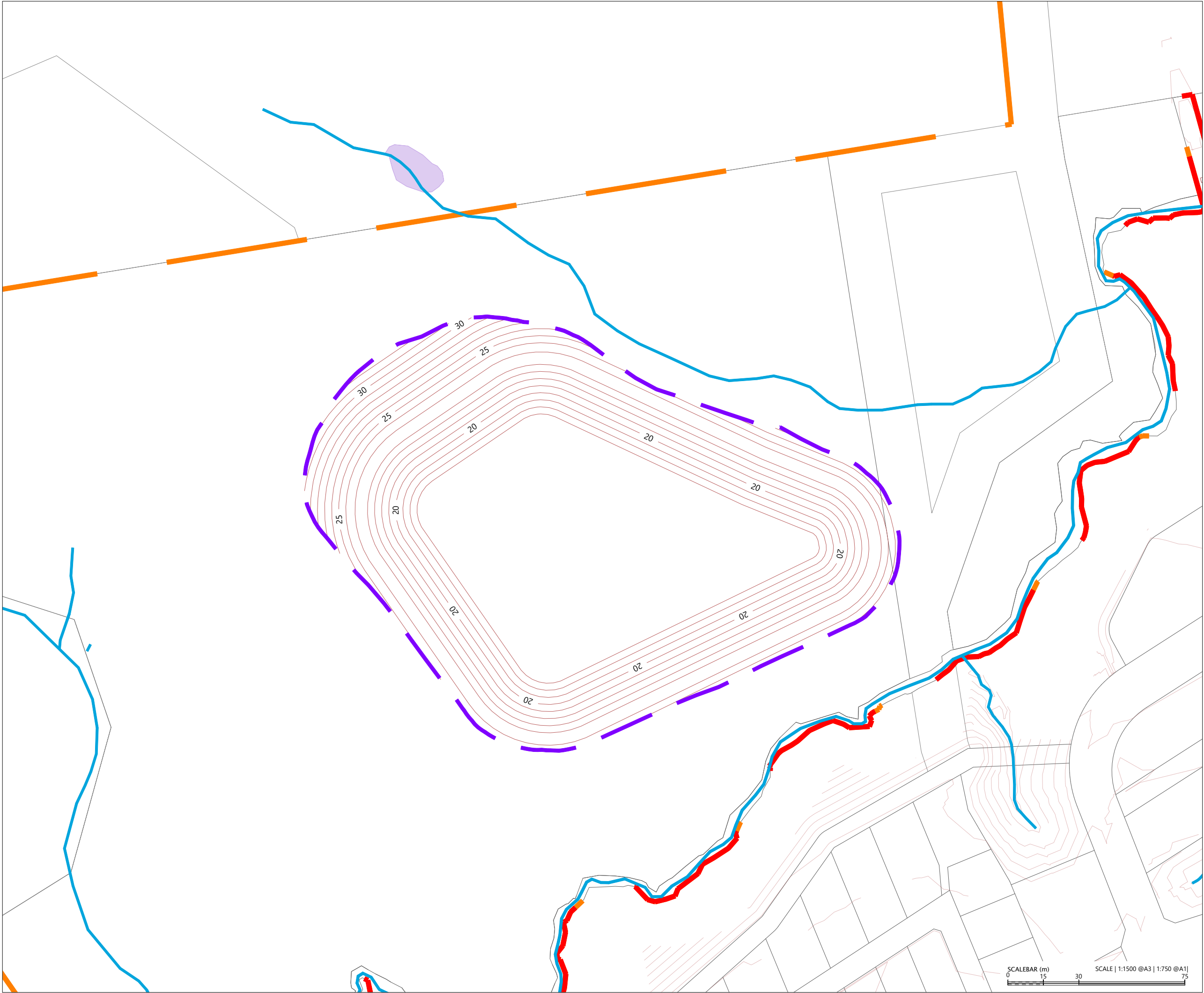
Connecting Lifelines

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
DESIGN CONTOUR LAYOUT
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1100-EW	





LEGEND:

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EXISTING BOUNDARIES
- PROPOSED BOUNDARIES
- DESIGN CONTOUR (1m)
- POST-DEVELOPMENT WATERCOURSE
- EXTENTS OF PROPOSED EARTHWORK AREAS
- EXISTING PONDS

NOTES

- UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
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1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
DESIGN CONTOUR LAYOUT PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1101-EW	

LEGEND:

- EXTENTS OF MILLDALE STAGES
14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI
O MARAEARIKI
- EXISTING BOUNDARIES
- PROPOSED BOUNDARIES
- DESIGN CONTOUR (0.2m)
- POST-DEVELOPMENT WATERCOURSE
- EXTENTS OF PROPOSED
EARTHWORK AREAS
- EXISTING PONDS

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DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	WOODS.CO.NZ
APPROVED	JW	



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MILLDALE
Connecting Lifelines

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
DESIGN CONTOUR LAYOUT PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1102-EW	





LEGEND:

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7. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
8. POST-DEVELOPMENT WATERCOURSES SHOWN INCLUDES PERMANENT AND INTERMITTENT WATERCOURSES ONLY
9. ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

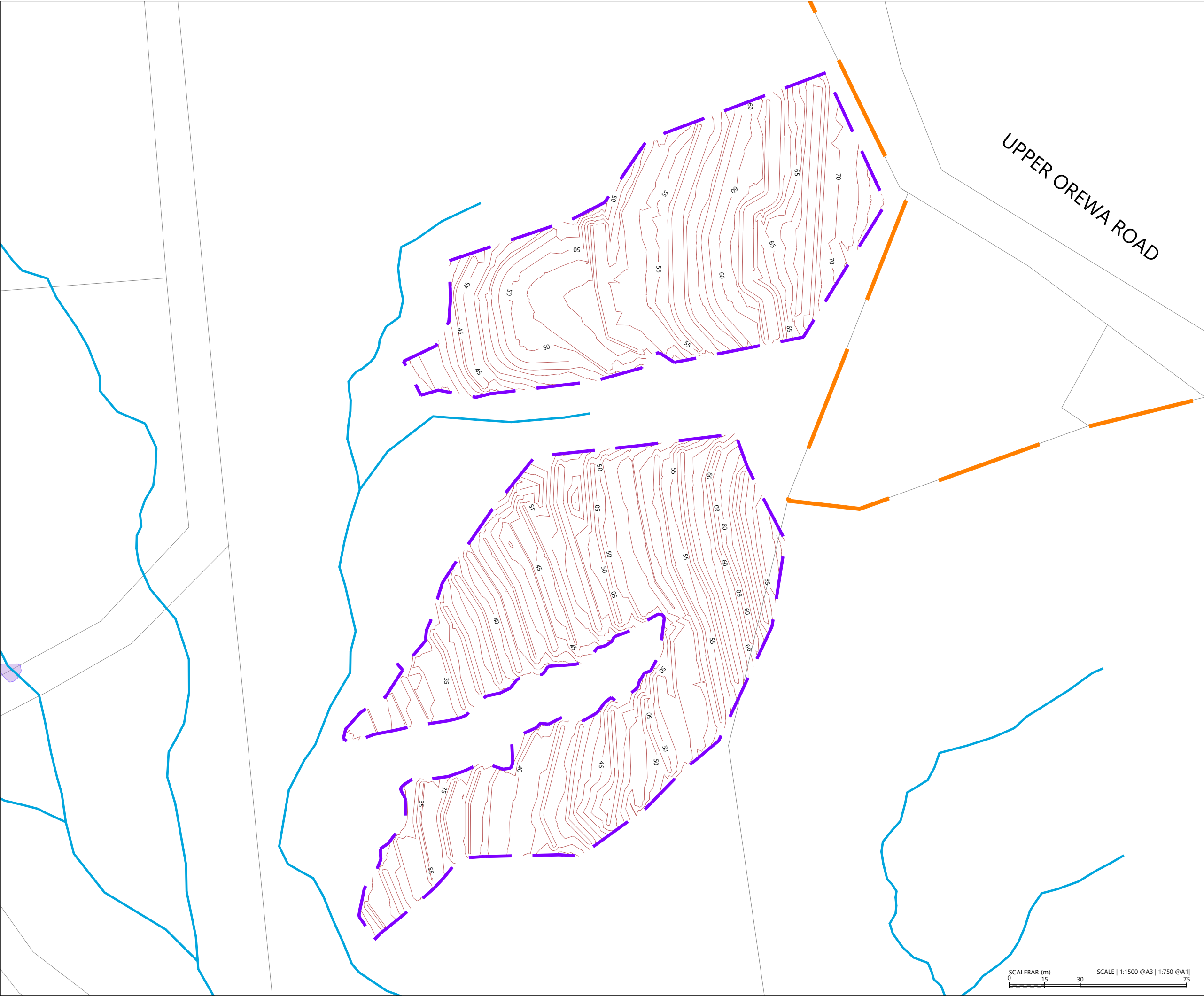
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
DESIGN CONTOUR LAYOUT PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1103-EW	



File: C:\1205\DATA\WP-AKL-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\P25-609-02-1103-EW-DESIGN CONTOUR LAYOUT PLAN.DWG

EARTHWORKS AREA	AREA (m ²)	CUT (m ³)	FILL (m ³)	BALANCE (m ³)
WATER RESERVOIR	30,311	-122,002	6,838	-115,164
ECOLOGICAL OFFSET WETLAND	26,704	-5,173	4,992	-181
TREATMENT PLANT PLATFORM	23,927	-619	20,848	20,229
WASTEWATER DISPERSAL WETLAND	35,522	-3,439	11,657	8,218
TOTAL:	116,464	-131,259	44,386	-86,898 EXCESS



LEGEND

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- POST-DEVELOPMENT STREAMS
- EARTHWORK EXTENTS

NOTES

- UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
- ALL UNSUITABLE MATERIAL AS DEFINED IN THE SPECIFICATION IS TO BE REMOVED AND THE STRIPPED AREAS INSPECTED BY THE ENGINEER BEFORE COMMENCES.
- EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
- THE CONTRACTOR SHALL CLARIFY THE AREAS AND EXTENT OF CLEARING WITH THE ENGINEER BEFORE COMMENCEMENT AND CONFIRM THAT ALL NECESSARY CONSENTS ARE IN PLACE.
- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
- ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: CUT FILL LAYOUT
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1200-EW	

EARTHWORKS AREA	AREA (m²)	CUT (m³)	FILL (m³)	BALANCE (m³)
WATER RESERVOIR	30,311	-122,002	6,838	-115,164
ECOLOGICAL OFFSET WETLAND	26,704	-5,173	4,992	-181
TREATMENT PLANT PLATFORM	23,927	-619	20,848	20,229
WASTEWATER DISPERSAL WETLAND	35,522	-3,439	11,657	8,218
TOTAL:	116,464	-131,259	44,386	-86,898 EXCESS



LEGEND

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- POST-DEVELOPMENT STREAMS
- EARTHWORK EXTENTS

NOTES

1. UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
2. ALL UNSUITABLE MATERIAL AS DEFINED IN THE SPECIFICATION IS TO BE REMOVED AND THE STRIPPED AREAS INSPECTED BY THE ENGINEER BEFORE COMMENCES.
3. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
5. THE CONTRACTOR SHALL CLARIFY THE AREAS AND EXTENT OF CLEARING WITH THE ENGINEER BEFORE COMMENCEMENT AND CONFIRM THAT ALL NECESSARY CONSENTS ARE IN PLACE.
6. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
7. ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

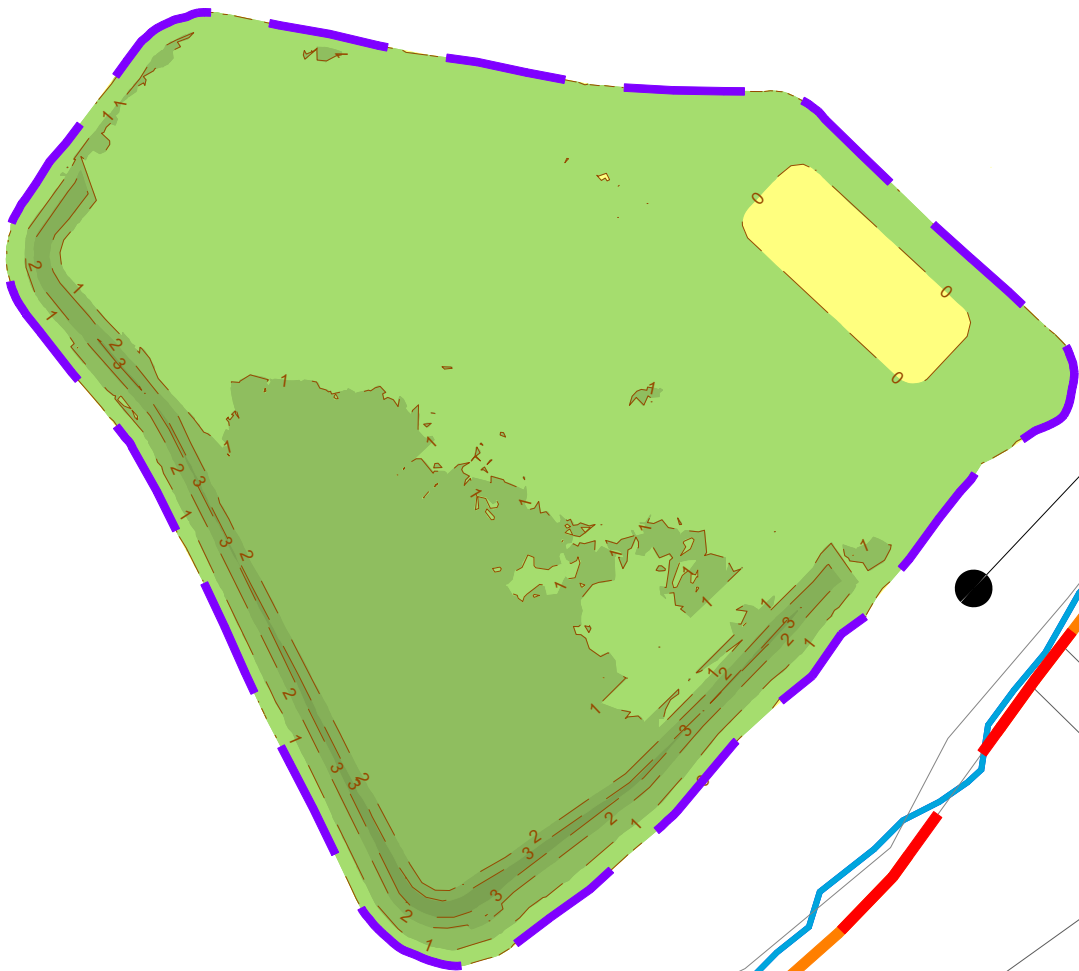
PHASE 1:
CUT FILL LAYOUT PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1201-EW	

PROPOSED STREAM INTAKE
DEVICE APPROX. 100m³ CUT



EARTHWORKS AREA	AREA (m²)	CUT (m³)	FILL (m³)	BALANCE (m³)
WATER RESERVOIR	30,311	-122,002	6,838	-115,164
ECOLOGICAL OFFSET WETLAND	26,704	-5,173	4,992	-181
TREATMENT PLANT PLATFORM	23,927	-619	20,848	20,229
WASTEWATER DISPERSAL WETLAND	35,522	-3,439	11,657	8,218
TOTAL:	116,464	-131,259	44,386	-86,898 EXCESS



EARTHWORKS REQUIRED FOR
ADJOINING BRIDGE CROSSING ARE
DETAILED IN THE DEVELOPMENT
AREA DRAWING PACKAGE (SHEETS
P25-609-01-1200-EW TO 01-1203-EW)

LEGEND

EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
POST-DEVELOPMENT STREAMS	
EARTHWORK EXTENTS	

NOTES

- UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
- ALL UNSUITABLE MATERIAL AS DEFINED IN THE SPECIFICATION IS TO BE REMOVED AND THE STRIPPED AREAS INSPECTED BY THE ENGINEER BEFORE COMMENCES.
- EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
- THE CONTRACTOR SHALL CLARIFY THE AREAS AND EXTENT OF CLEARING WITH THE ENGINEER BEFORE COMMENCEMENT AND CONFIRM THAT ALL NECESSARY CONSENTS ARE IN PLACE.
- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
- ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

REVISION DETAILS	BY	DATE
1 ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
CUT FILL LAYOUT PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1202-EW	

EARTHWORKS AREA	AREA (m ²)	CUT (m ³)	FILL (m ³)	BALANCE (m ³)
WATER RESERVOIR	30,311	-122,002	6,838	-115,164
ECOLOGICAL OFFSET WETLAND	26,704	-5,173	4,992	-181
TREATMENT PLANT PLATFORM	23,927	-619	20,848	20,229
WASTEWATER DISPERSAL WETLAND	35,522	-3,439	11,657	8,218
TOTAL:	116,464	-131,259	44,386	-86,898 EXCESS



LEGEND

EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
POST-DEVELOPMENT STREAMS	
EARTHWORK EXTENTS	

NOTES

- UNDERFILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE ENGINEER. IF THE CONTRACTOR ENCOUNTERS SPRINGS OR OTHER SOURCES OF WATER HE IS TO NOTIFY THE ENGINEER.
- ALL UNSUITABLE MATERIAL AS DEFINED IN THE SPECIFICATION IS TO BE REMOVED AND THE STRIPPED AREAS INSPECTED BY THE ENGINEER BEFORE COMMENCES.
- EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
- THE CONTRACTOR SHALL CLARIFY THE AREAS AND EXTENT OF CLEARING WITH THE ENGINEER BEFORE COMMENCEMENT AND CONFIRM THAT ALL NECESSARY CONSENTS ARE IN PLACE.
- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
- ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

REVISION DETAILS	BY	DATE
1 ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
CUT FILL LAYOUT PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1203-EW	



Stream Margins	Area (m²)	Cut Volume (m³)	Fill Volume (m³)	Excess/Import (m³)
Riparian (0-10m buffer)	0	0	0	0
Sediment Control Area (0-50m)	30,074	-15,444	14,896	-549



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- RIPARIAN MARGIN (10m)**
- SEDIMENT CONTROL AREA (50m)**

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
RIPARIAN MARGINS
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1250-EW	

File: C:\1250\DATA\WP-AKL-APP-02\1250-02-1250-EW-EARTHWORKS IN RIPARIAN MARGINS.DWG

Stream Margins	Area (m ²)	Cut Volume (m ³)	Fill Volume (m ³)	Excess/Import (m ³)
Riparian (0-10m buffer)	0	0	0	0
Sediment Control Area (0-50m)	30,074	-15,444	14,896	-549



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- RIPARIAN MARGIN (10m)
- SEDIMENT CONTROL AREA (50m)

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

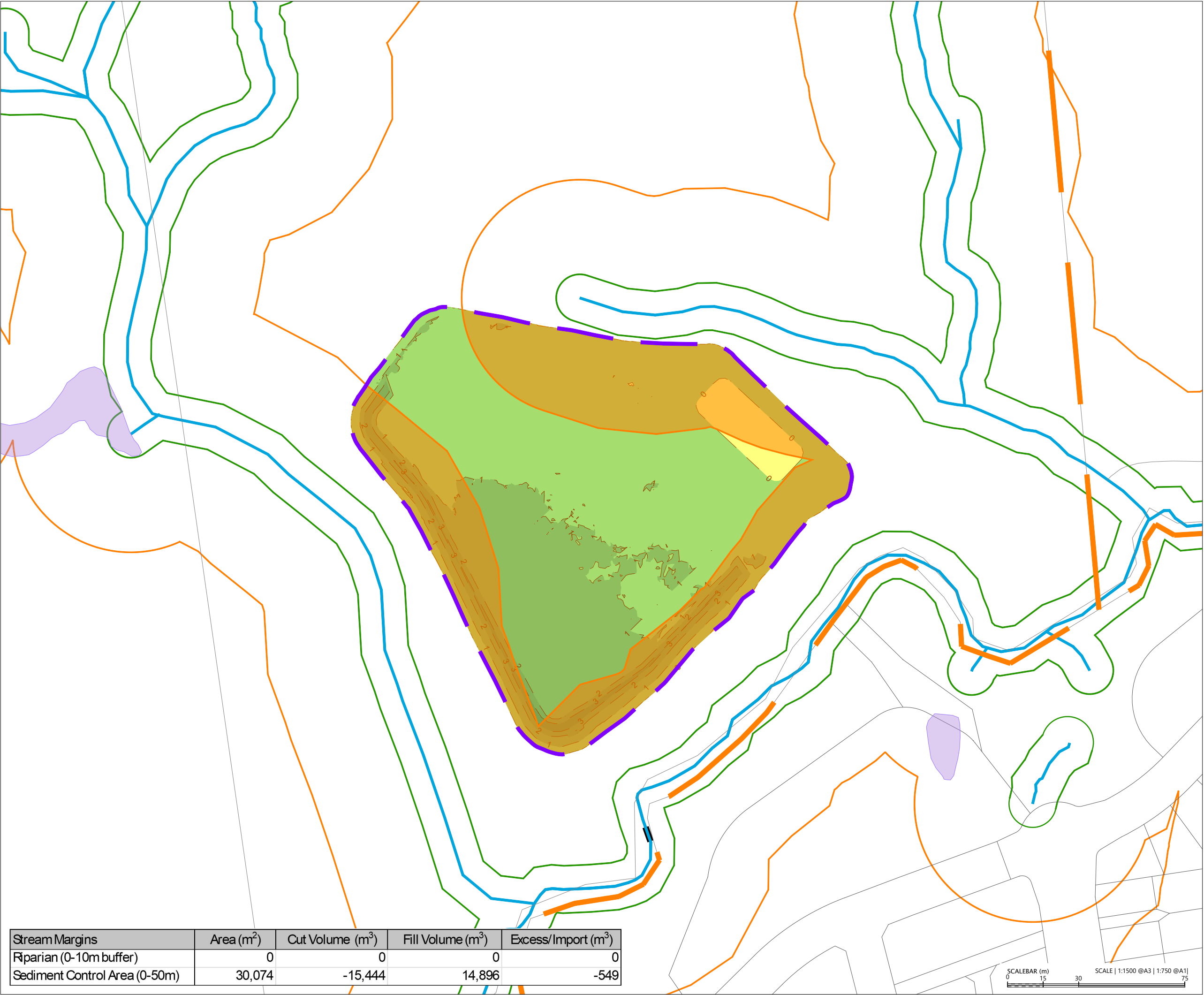
PHASE 1: EARTHWORKS IN
RIPARIAN MARGINS PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1251-EW	

PROPOSED LOCATION FOR
STREAM INLET WORKS DEVICE
AND CONTROL SHED



File: C:\125DATA\WP-AKL-APP-02\125-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\125-609-02-1251-EW-EARTHWORKS IN RIPARIAN MARGINS.DWG



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- RIPARIAN MARGIN (10m)**
- SEDIMENT CONTROL AREA (50m)**

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
RIPARIAN MARGINS PLAN
SHEET 2

Stream Margins	Area (m ²)	Cut Volume (m ³)	Fill Volume (m ³)	Excess/Import (m ³)
Riparian (0-10m buffer)	0	0	0	0
Sediment Control Area (0-50m)	30,074	-15,444	14,896	-549

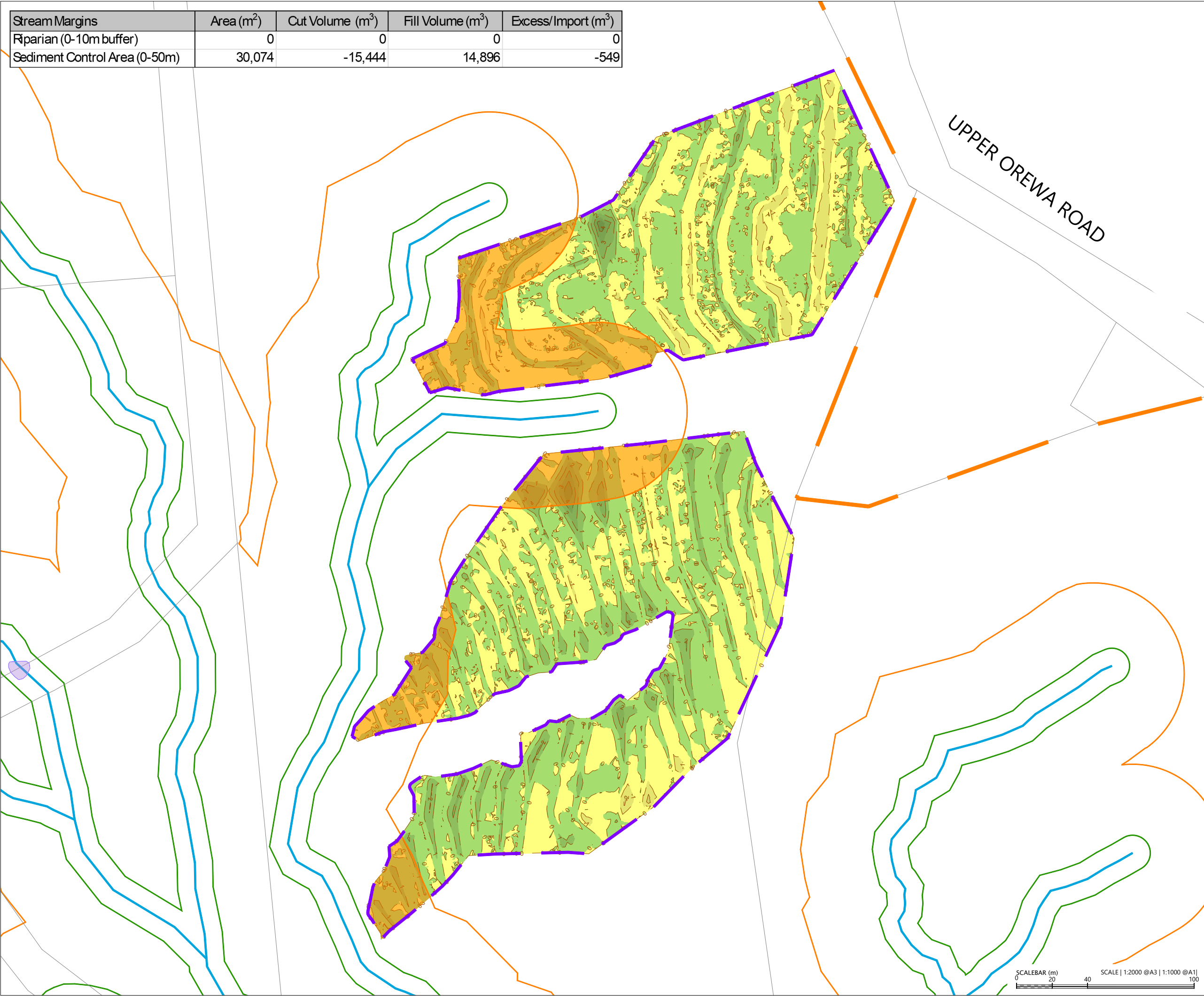
SCALEBAR (m)
0 15 30 75

SCALE | 1:1500 @A3 | 1:750 @A1|

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1252-EW	

File: C:\1205\DATA\WP-AK-APP-02\125-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\125-609-02-1250-EW-EARTHWORKS IN RIPARIAN MARGINS.DWG

Stream Margins	Area (m²)	Cut Volume (m³)	Fill Volume (m³)	Excess/Import (m³)
Riparian (0-10m buffer)	0	0	0	0
Sediment Control Area (0-50m)	30,074	-15,444	14,896	-549



LEGEND:

EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAEARIKI	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
EXISTING WATERCOURSE	
WATER INFRASTRUCTURE EARTHWORK EXTENTS	
EXISTING ARTIFICIAL POND	
RIPARIAN MARGIN (10m)	
SEDIMENT CONTROL AREA (50m)	

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

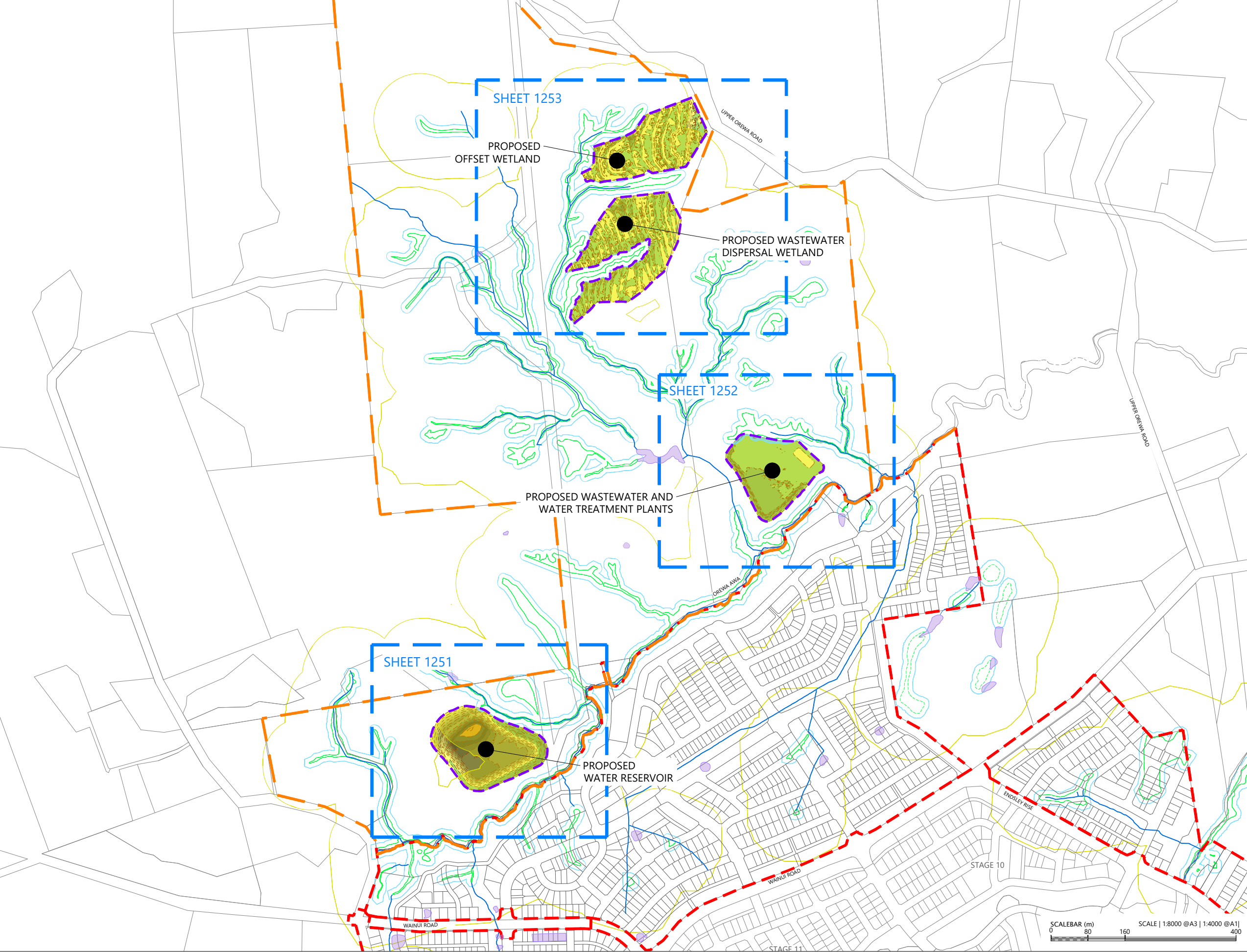
MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
RIPARIAN MARGINS PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1253-EW	

File: C:\1253\DATA\WP-AKL-APP-02\1253-609 - MILLDALE NORTH FAST-TRACK APPLICATION_23695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\1253-609-02-1253-EW-EARTHWORKS IN RIPARIAN MARGINS.DWG

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	0	0	0	0
0-10m Buffer	964	-67	512	445
10-100m buffer	108,911	-101,745	27,097	-74,648



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- WETLAND EXTENT
- WETLAND MARGIN (10m)**
- WETLAND MARGIN (100m)**

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
WETLAND MARGINS
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1260-EW	

File: C:\1205\DATA\WP-AKL-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\P25-609-02-1260-EW-EARTHWORKS IN WETLAND MARGINS.DWG

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	0	0	0	0
0-10m Buffer	964	-67	512	445
10-100m buffer	108,911	-101,745	27,097	-74,648



LEGEND:

EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA

EXTENTS OF TE KOROWAI O MARAEARIKI

CUT / FILL CONTOURS (1m)

CUT / FILL LINE

AREAS OF CUT

AREAS OF FILL

EXISTING WATERCOURSE

WATER INFRASTRUCTURE EARTHWORK EXTENTS

EXISTING ARTIFICIAL POND

WETLAND EXTENT

WETLAND MARGIN (10m)

WETLAND MARGIN (100m)

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

N

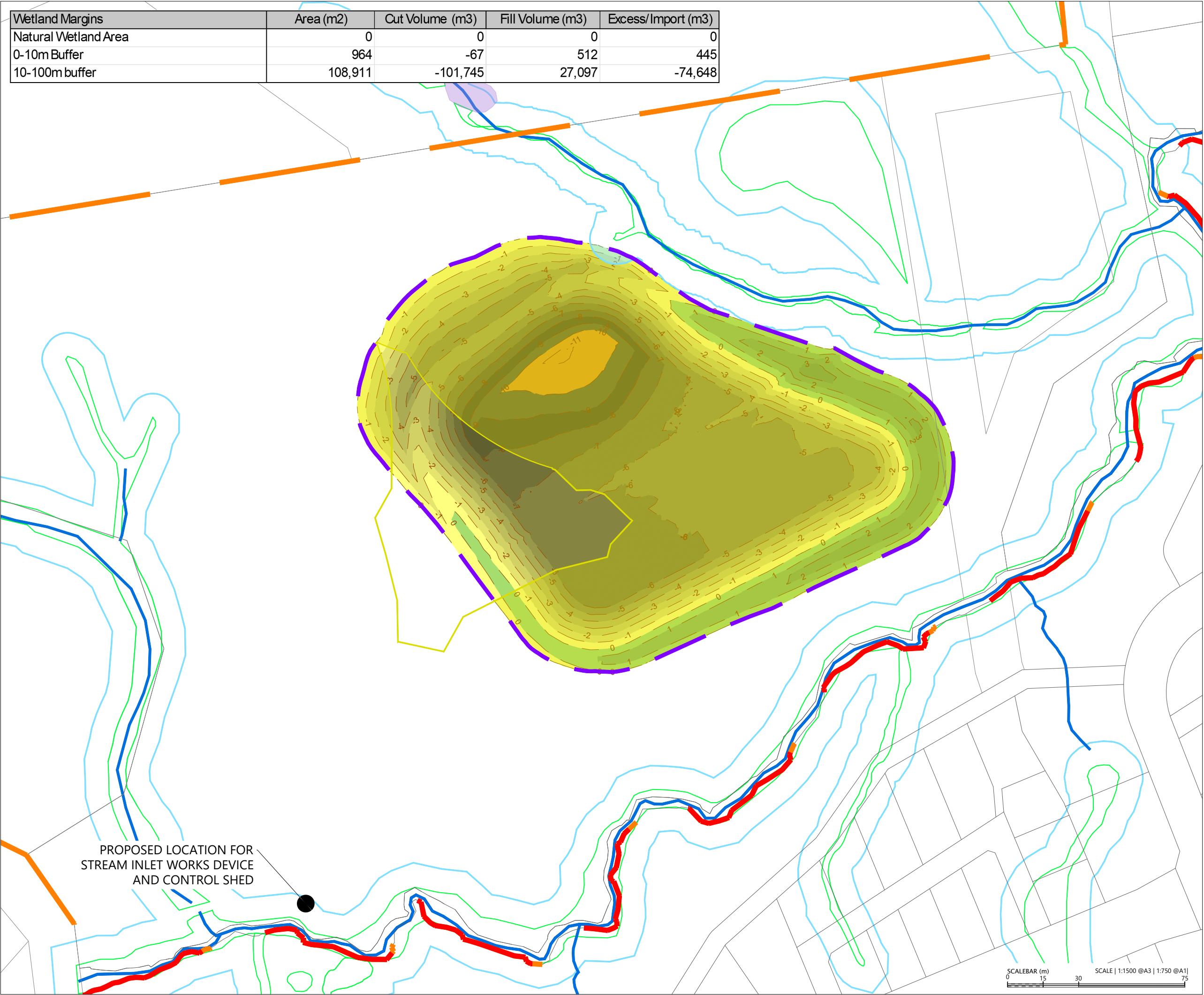
MILLDALE

Connecting Lifelines

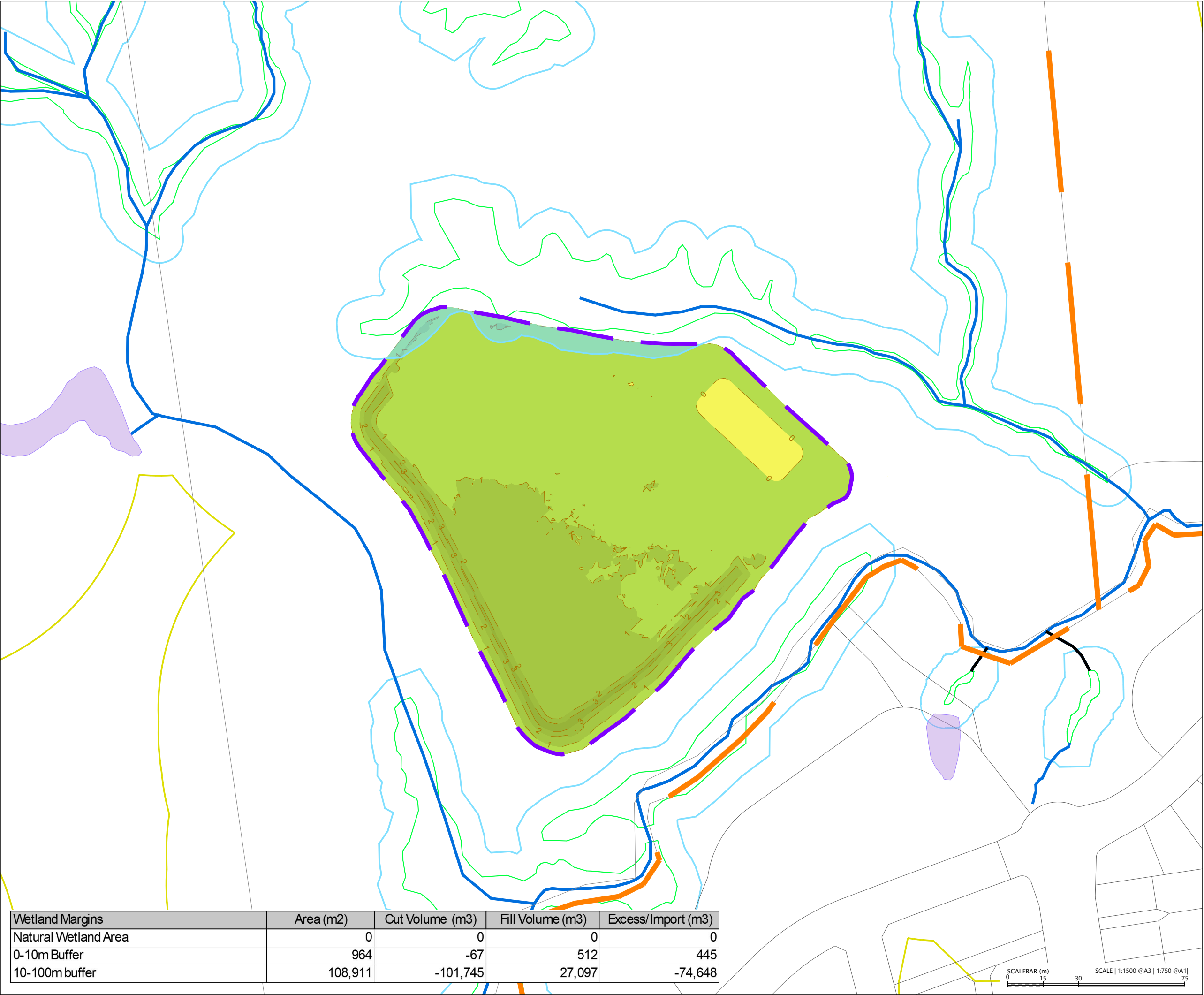
MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
WETLAND MARGINS PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1261-EW	



File: C:\125\DATA\WP-AK-APP-02\125-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\125-609-02-1261-EW-EARTHWORKS IN WETLAND MARGINS.DWG



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- WETLAND EXTENT
- WETLAND MARGIN (10m)
- WETLAND MARGIN (100m)

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

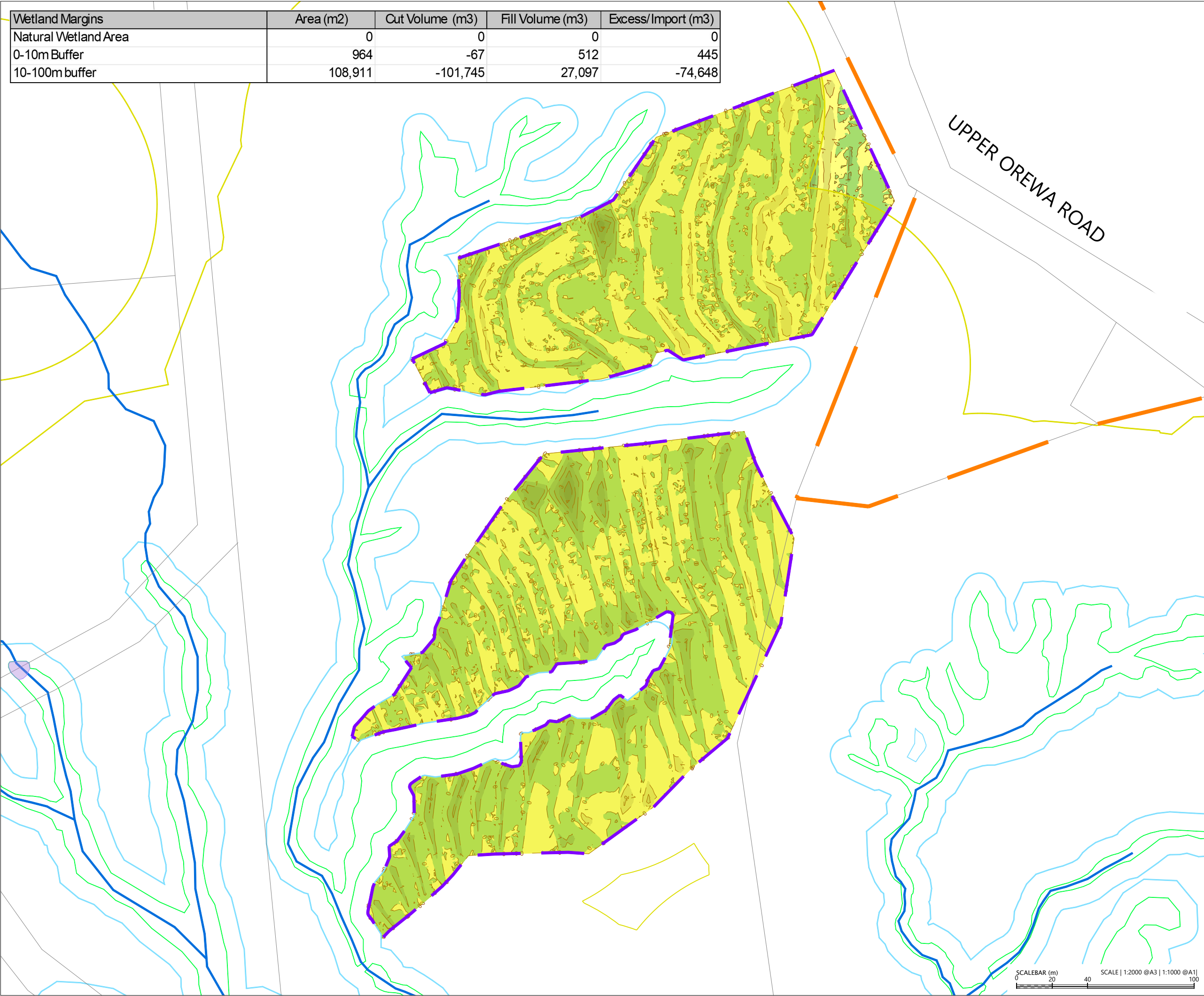
PHASE 1: EARTHWORKS IN
WETLAND MARGINS PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1262-EW	

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	0	0	0	0
0-10m Buffer	964	-67	512	445
10-100m buffer	108,911	-101,745	27,097	-74,648

File: C:\1205\DATA\WP-AK-APP-02\1205-609 - MILLDALE NORTH FAST-TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\1205-609-02-1262-EW-EARTHWORKS IN WETLAND MARGINS.DWG

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	0	0	0	0
0-10m Buffer	964	-67	512	445
10-100m buffer	108,911	-101,745	27,097	-74,648



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING WATERCOURSE
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- EXISTING ARTIFICIAL POND
- WETLAND EXTENT
- WETLAND MARGIN (10m)
- WETLAND MARGIN (100m)

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

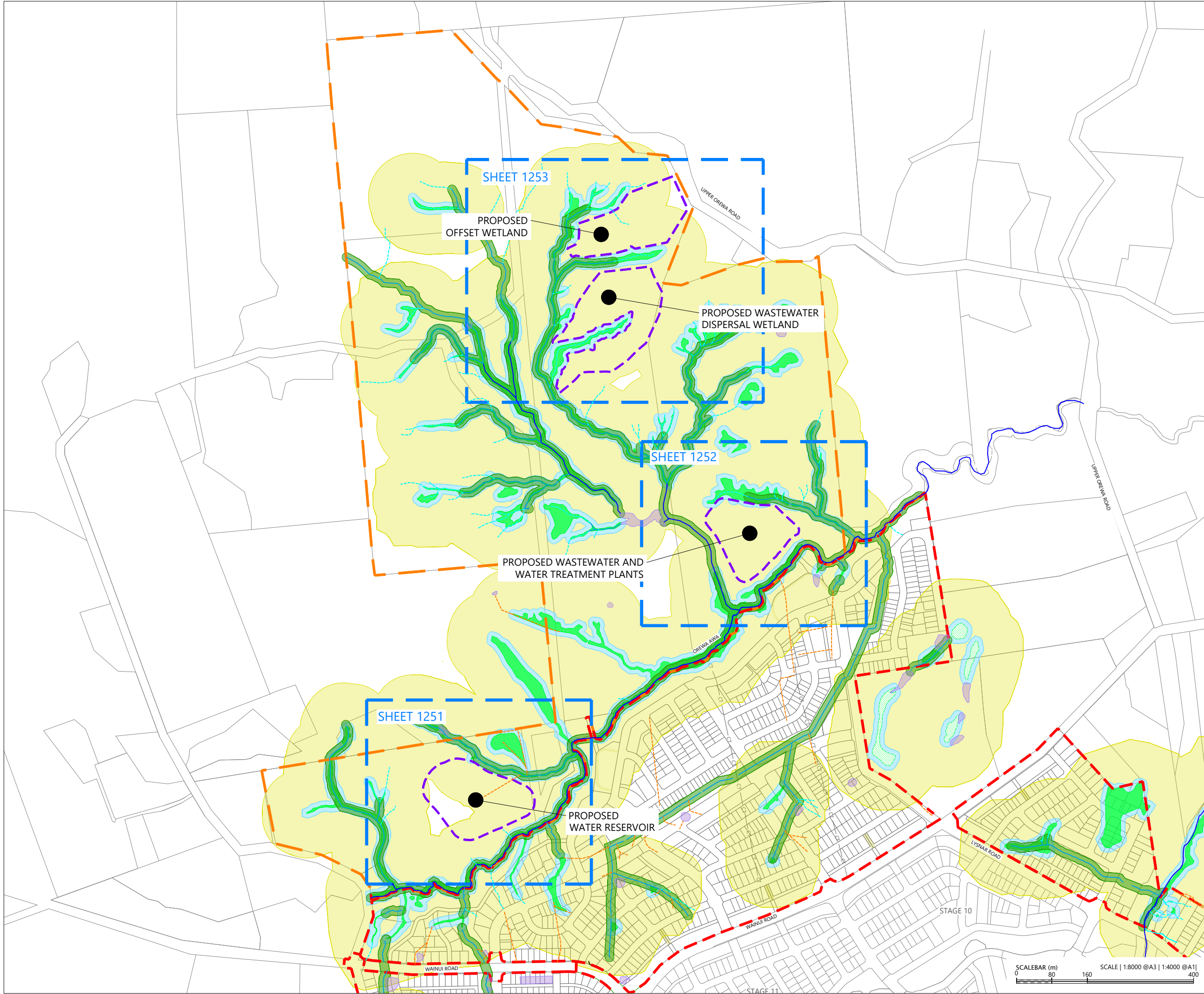
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: EARTHWORKS IN
WETLAND MARGINS PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1263-EW	

File: C:\1205\DATA\WP-AK-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_23695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\P25-609-02-1263-EW-EARTHWORKS IN WETLAND MARGINS.DWG



LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- PERMANENT STREAM
- RIPARIAN MARGINS (10m)
- INTERMITTENT STREAM
- EPHEMERAL STREAM
- ARTIFICIAL STREAM
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- WETLANDS
- WETLAND BUFFER (10m)
- WETLAND 100m OFFSET
- POTENTIAL WETLANDS ON ADJACENT LAND
- EXISTING ARTIFICIAL POND

NOTES

1. ECOLOGICAL FEATURES ARE BASED ON FRESHWATER FEATURE MAPPING COMPLETED BY VIRIDIS ECOLOGY

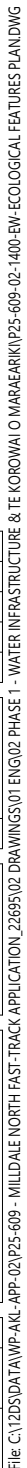
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1:
ECOLOGICAL FEATURES
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1400-EW	



The diagram illustrates the spatial layout of the Milldale Stage 14-17 development area in relation to natural and existing features. It is divided into two main sections: a horizontal cross-section at the top and a circular plan view at the bottom.

Horizontal Cross-Section:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA:** Represented by three red dashed lines at the top.
- EXTENTS OF TE KOROWAI O MARAEARIKI:** Represented by two orange dashed lines below the development area.
- PERMANENT STREAM:** A solid blue line within a green rectangular area.
- RIPARIAN MARGINS (10m):** Indicated by two black arrows pointing to the green areas on either side of the permanent stream.
- INTERMITTENT STREAM:** Represented by a solid blue line below the permanent stream.
- EPHEMERAL STREAM:** Represented by a dashed cyan line below the intermittent stream.
- ARTIFICIAL STREAM:** Represented by a dashed orange line below the ephemeral stream.
- WATER INFRASTRUCTURE EARTHWORK EXTENTS:** Represented by two purple dashed lines at the bottom of the horizontal section.

Circular Plan View:

- WETLANDS:** A central green circle.
- WETLAND BUFFER (10m):** A light blue ring surrounding the wetlands.
- WETLAND 100m OFFSET:** A yellow ring surrounding the buffer.
- POTENTIAL WETLANDS ON ADJACENT LAND:** A dashed green circle located to the right of the main wetland area.
- EXISTING ARTIFICIAL POND:** A solid purple circle located below the potential wetlands.

1. ECOLOGICAL FEATURES ARE BASED ON FRESHWATER FEATURE MAPPING COMPLETED BY VIRIDIS ECOLOGY

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

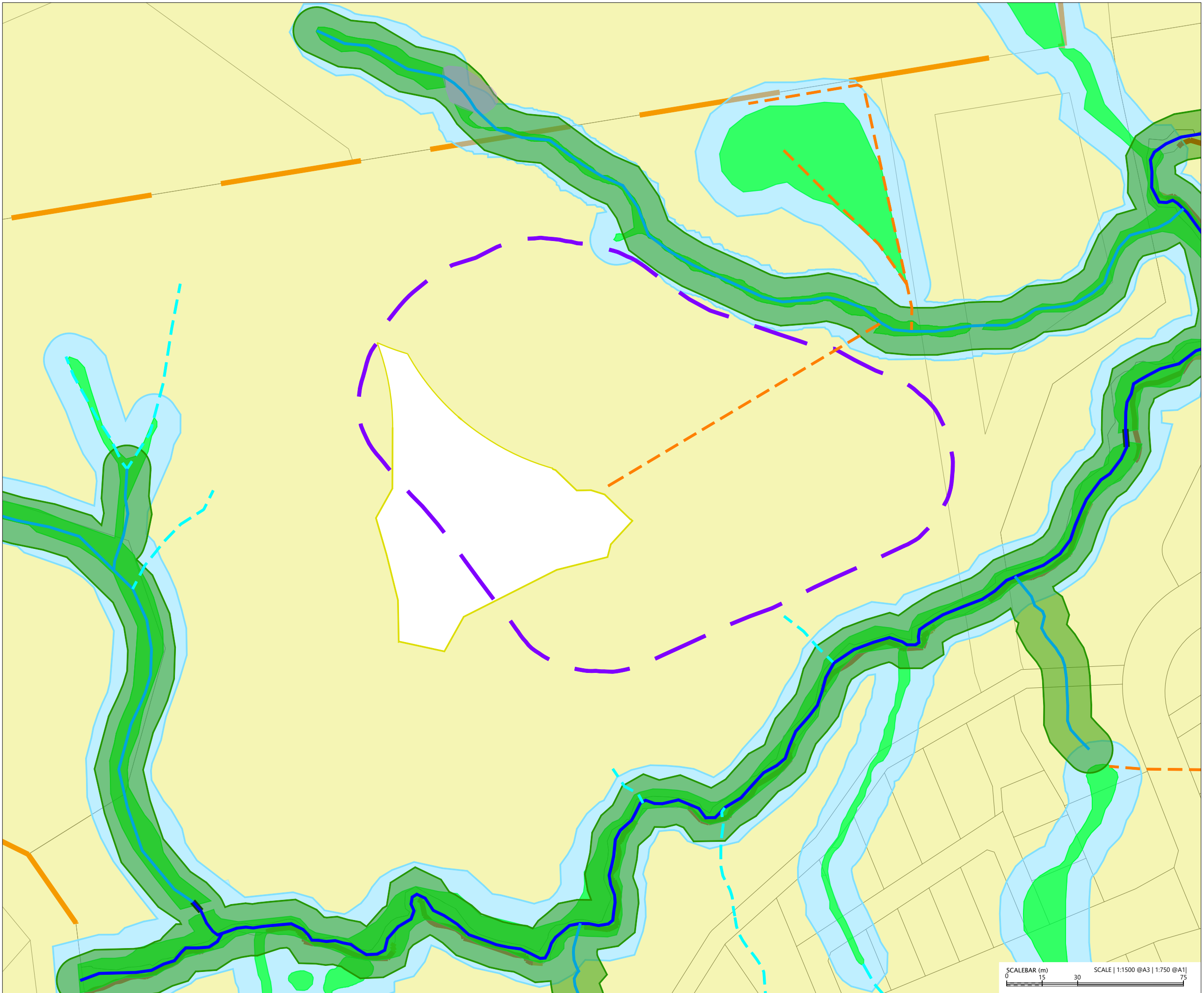
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DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	WOODS.CO.NZ

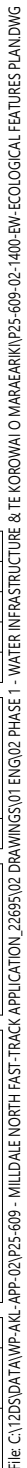


MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1: ECOLOGICAL
FEATURES PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1401-EW	





EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA

EXTENTS OF TE KOROWAI O MARAEARIKI

PERMANENT STREAM

RIPARIAN MARGINS (10m)

INTERMITTENT STREAM

EPHEMERAL STREAM

ARTIFICIAL STREAM

WATER INFRASTRUCTURE

EARTHWORK EXTENTS

WETLANDS

WETLAND BUFFER (10m)

WETLAND 100m OFFSET

POTENTIAL WETLANDS ON ADJACENT LAND

EXISTING ARTIFICIAL POND

1. ECOLOGICAL FEATURES ARE BASED ON FRESHWATER FEATURE MAPPING COMPLETED BY VIRIDIS ECOLOGY

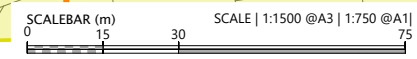
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

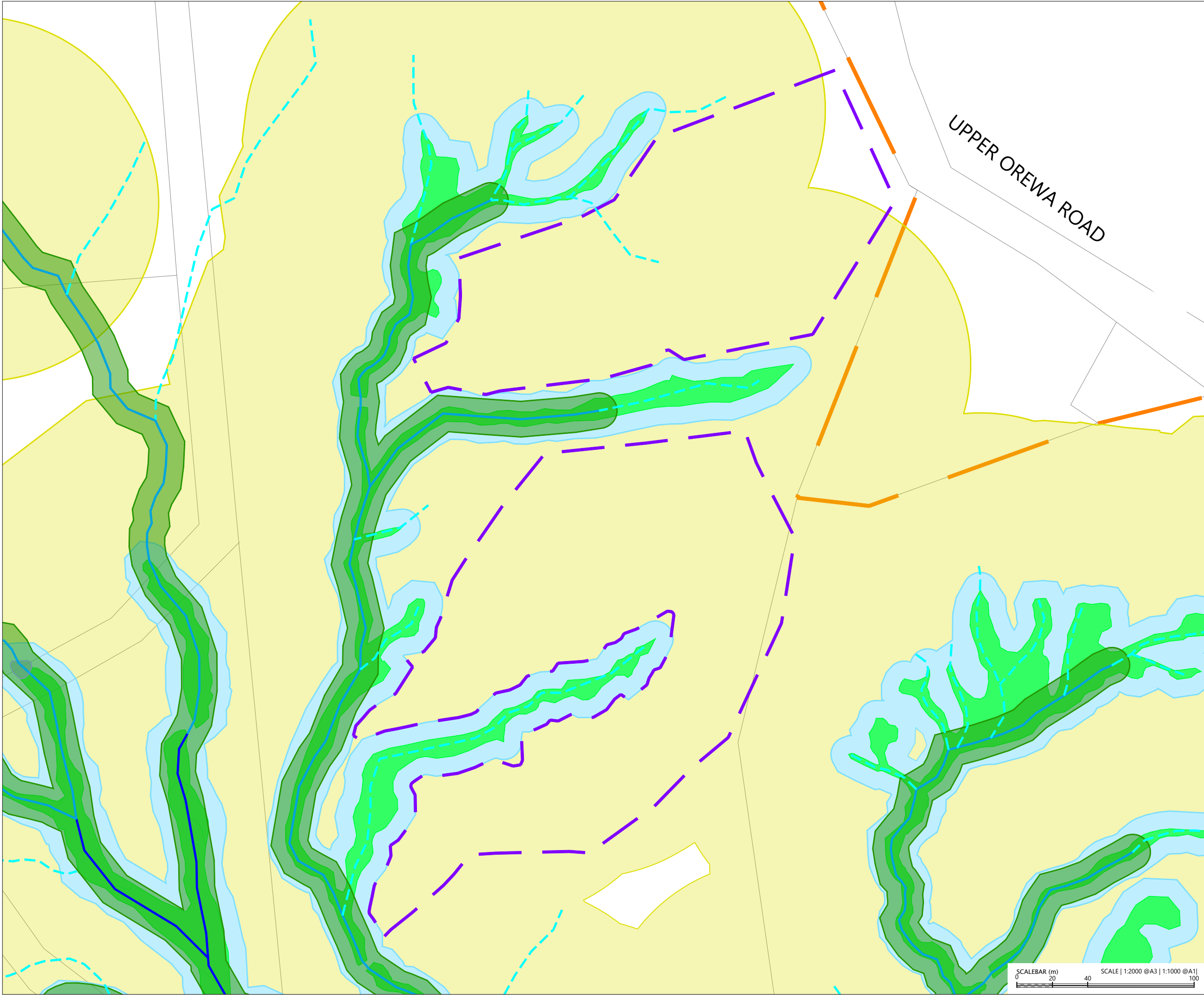
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	WOODS.CO.NZ



PHASE 1: ECOLOGICAL
FEATURES PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1500 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1402-EW	





LEGEND:

- EXTENTS OF MILLDALE STAGE 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- PERMANENT STREAM
- RIPARIAN MARGINS (10m)
- INTERMITTENT STREAM
- EPHEMERAL STREAM
- ARTIFICIAL STREAM
- WATER INFRASTRUCTURE EARTHWORK EXTENTS
- WETLANDS
- WETLAND BUFFER (10m)
- WETLAND 100m OFFSET
- POTENTIAL WETLANDS ON ADJACENT LAND
- EXISTING ARTIFICIAL POND

NOTES

1. ECOLOGICAL FEATURES ARE BASED ON FRESHWATER FEATURE MAPPING COMPLETED BY VIRIDIS ECOLOGY

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

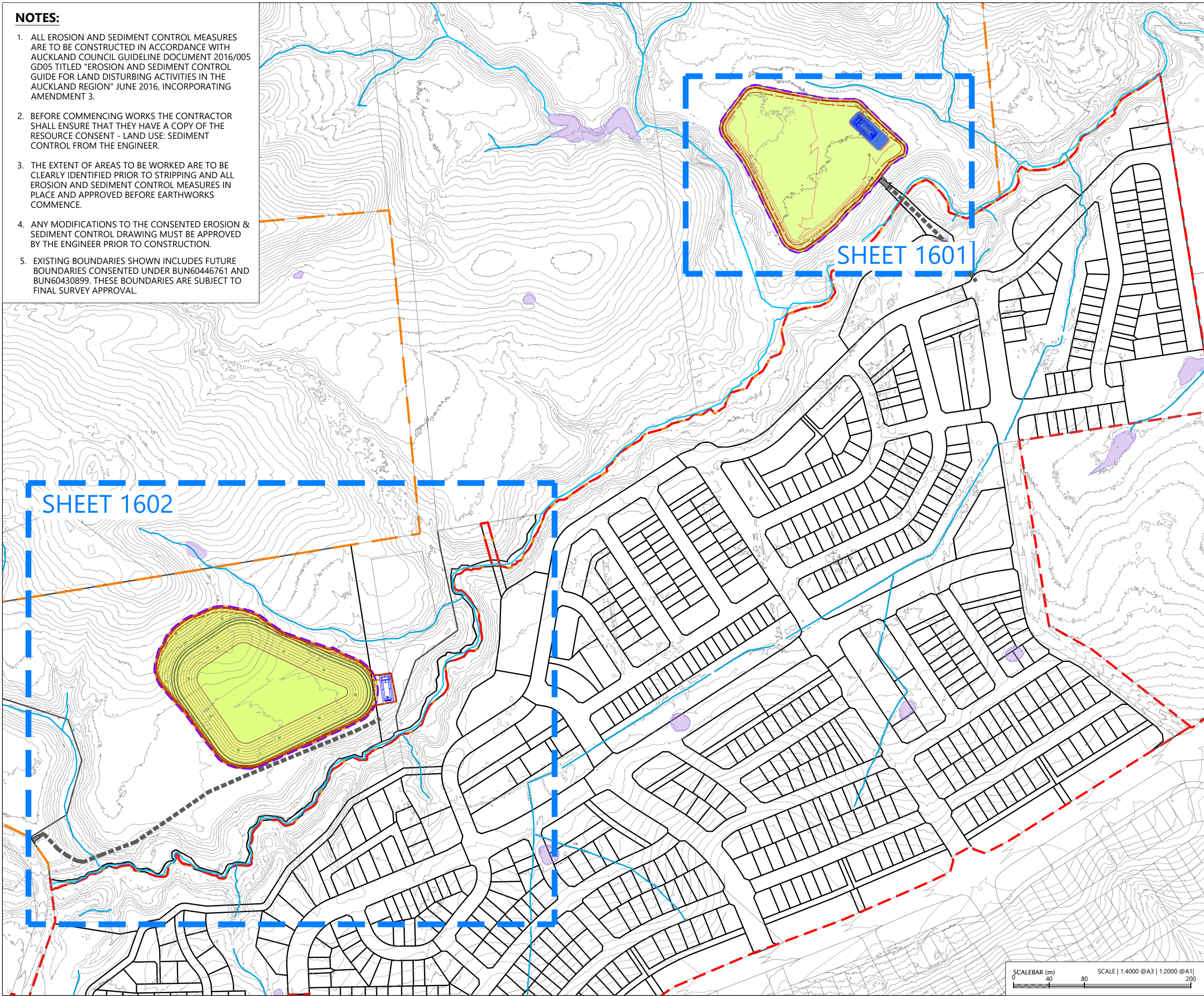
PHASE 1: ECOLOGICAL
FEATURES PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:2000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1403-EW	



NOTES:

1. 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.
2. BEFORE COMMENCING WORKS THE CONTRACTOR SHALL ENSURE THAT THEY HAVE A COPY OF THE RESOURCE CONSENT - LAND USE: SEDIMENT CONTROL FROM THE ENGINEER.
3. 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.
4. ANY MODIFICATIONS TO THE CONSENTED EROSION & SEDIMENT CONTROL DRAWING MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
5. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.



LEGEND:

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EARTHWORKS EXTENT
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING STREAM
- EXISTING CONTOUR (1m INTERVAL)
- PROPOSED CONTOUR (1m INTERVAL)
- SEDIMENT RETENTION POND
- DIRTY WATER BUND
- SILT FENCE
- HAUL ROAD
- SRP CATCHMENT
- STABILISED SITE ENTRY
- EXISTING POND

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

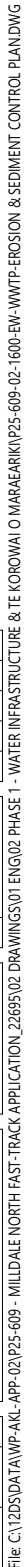
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DESIGNED	WOODS	
DRAWN	FS	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1 :
EROSION & SEDIMENT CONTROL
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1600-EW	





REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026





MILLDALE
Connecting Lifestyles

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1 :
EROSION & SEDIMENT CONTROL
PLAN - TREATMENT PLANTS

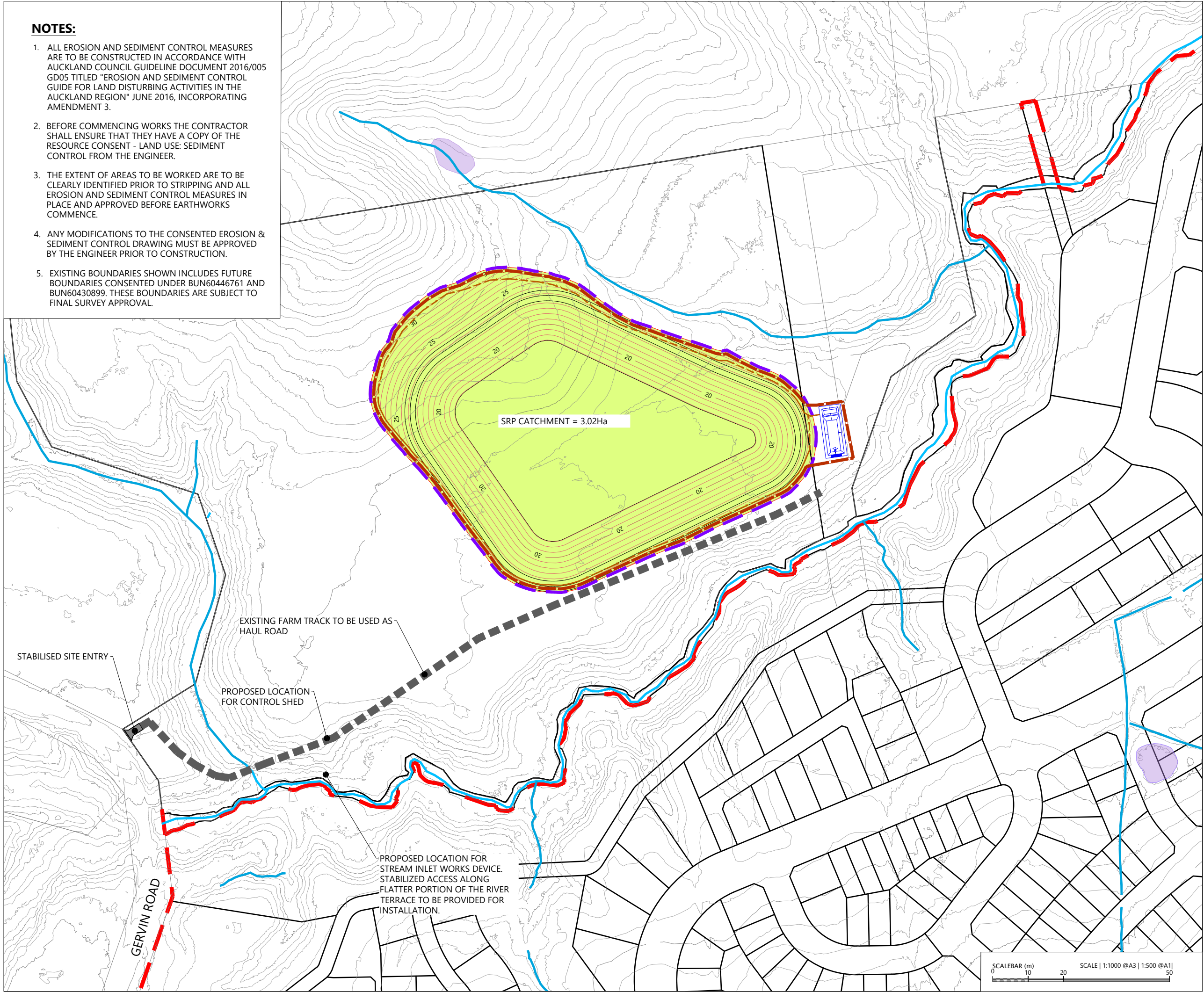
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SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1601-EW	

NOTES:

1. 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.
2. BEFORE COMMENCING WORKS THE CONTRACTOR SHALL ENSURE THAT THEY HAVE A COPY OF THE RESOURCE CONSENT - LAND USE: SEDIMENT CONTROL FROM THE ENGINEER.
3. 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.
4. ANY MODIFICATIONS TO THE CONSENTED EROSION & SEDIMENT CONTROL DRAWING MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
5. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.

NOTES:

1. 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.
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LEGEND:

- EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA
- EXTENTS OF TE KOROWAI O MARAEARIKI
- EARTHWORKS EXTENT
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING STREAM
- EXISTING CONTOUR (1m INTERVAL)
- PROPOSED CONTOUR (1m INTERVAL)
- SEDIMENT RETENTION POND
- DIRTY WATER BUND
- SILT FENCE
- HAUL ROAD
- SRP CATCHMENT
- STABILISED SITE ENTRY
- EXISTING POND

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

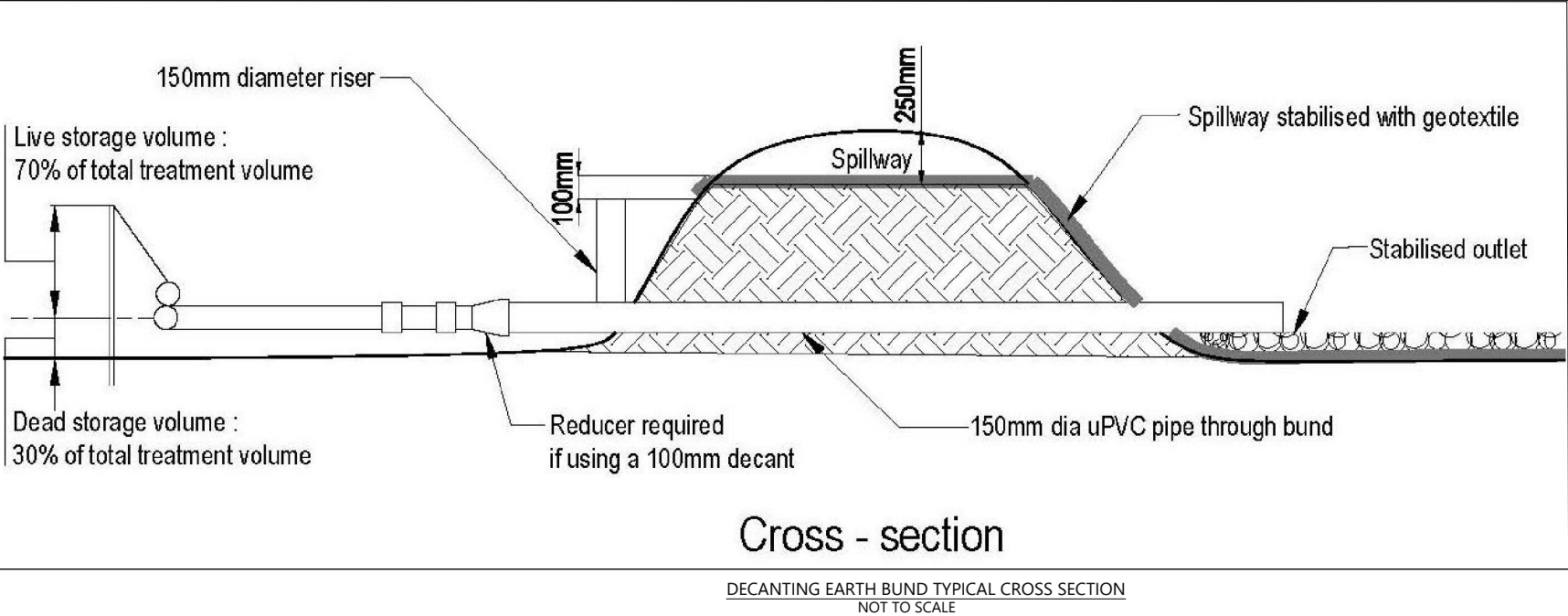
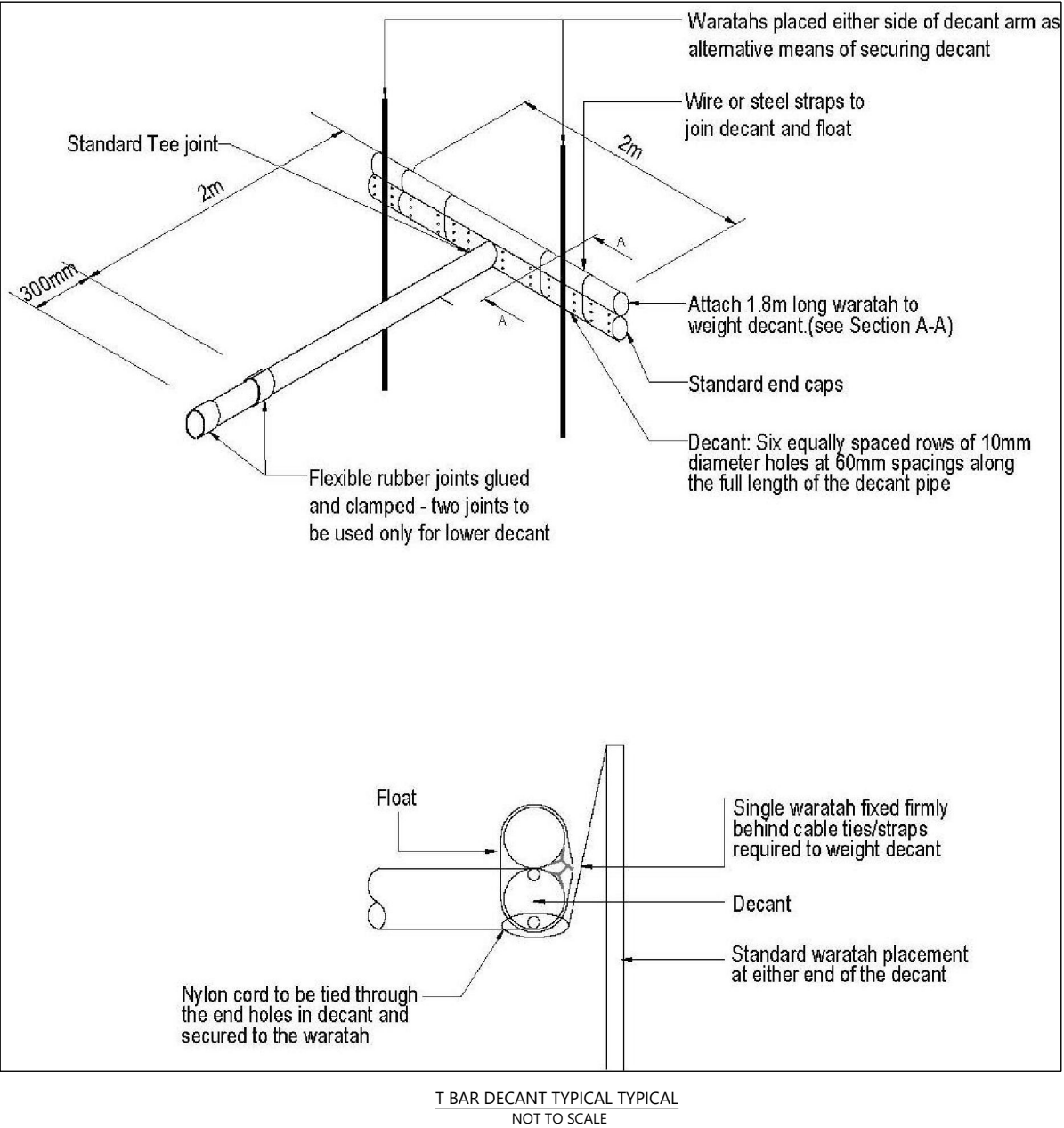
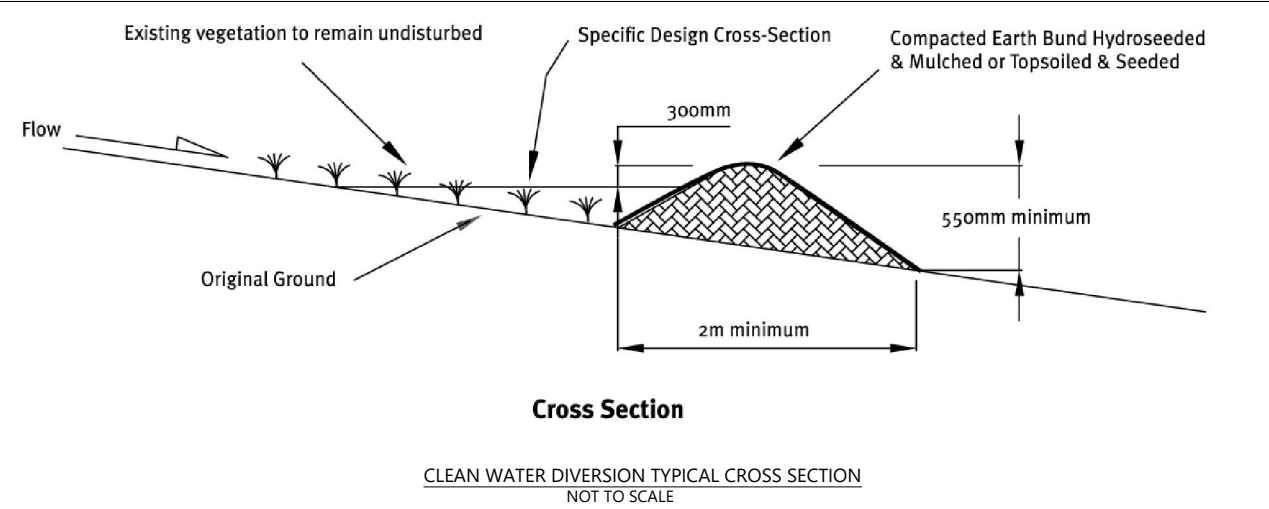
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DESIGNED	WOODS	
DRAWN	FS	
CHECKED	SK	
APPROVED	JW	

MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1 :
EROSION & SEDIMENT CONTROL
PLAN - WATER RESERVOIR

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1602-EW	

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REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

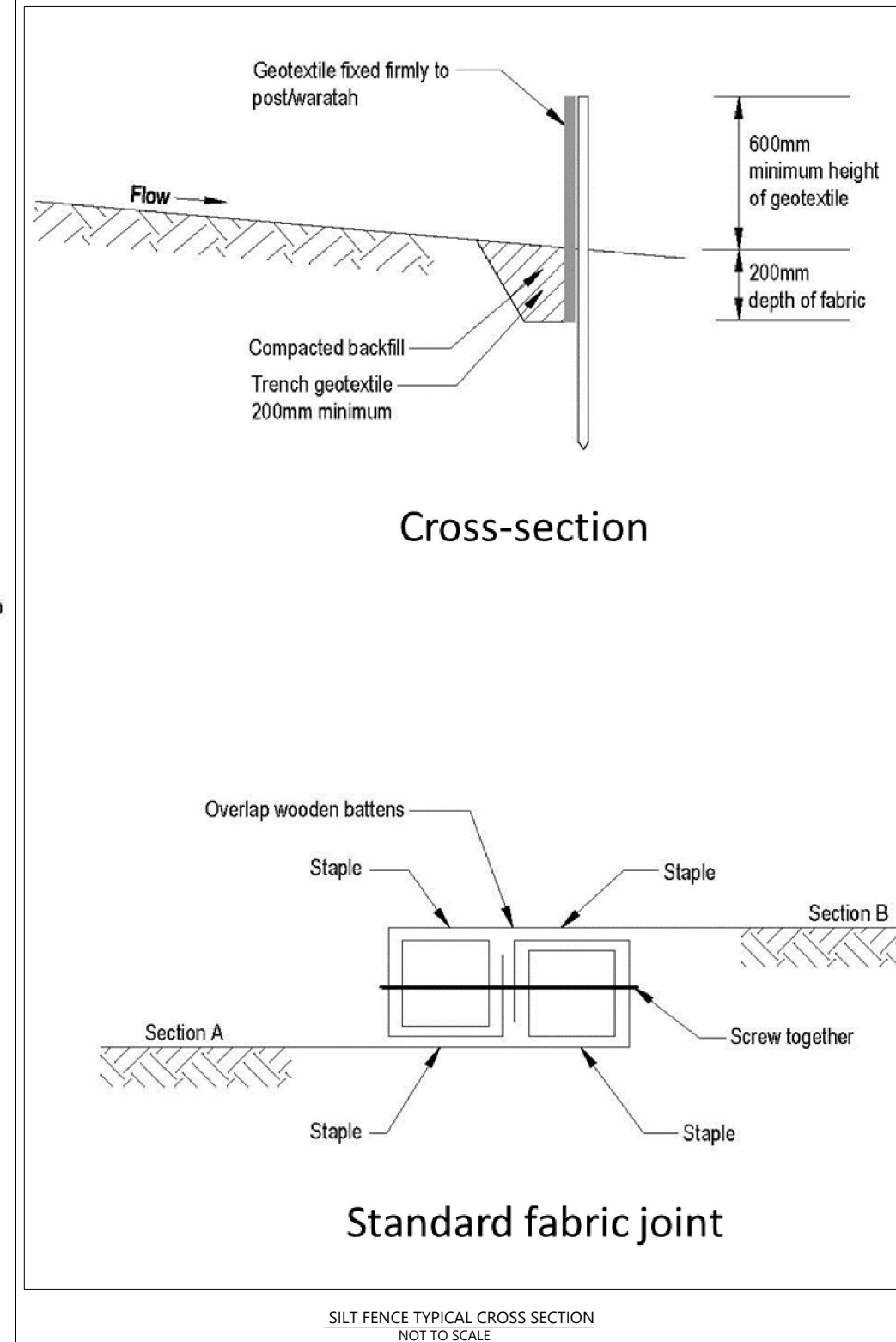
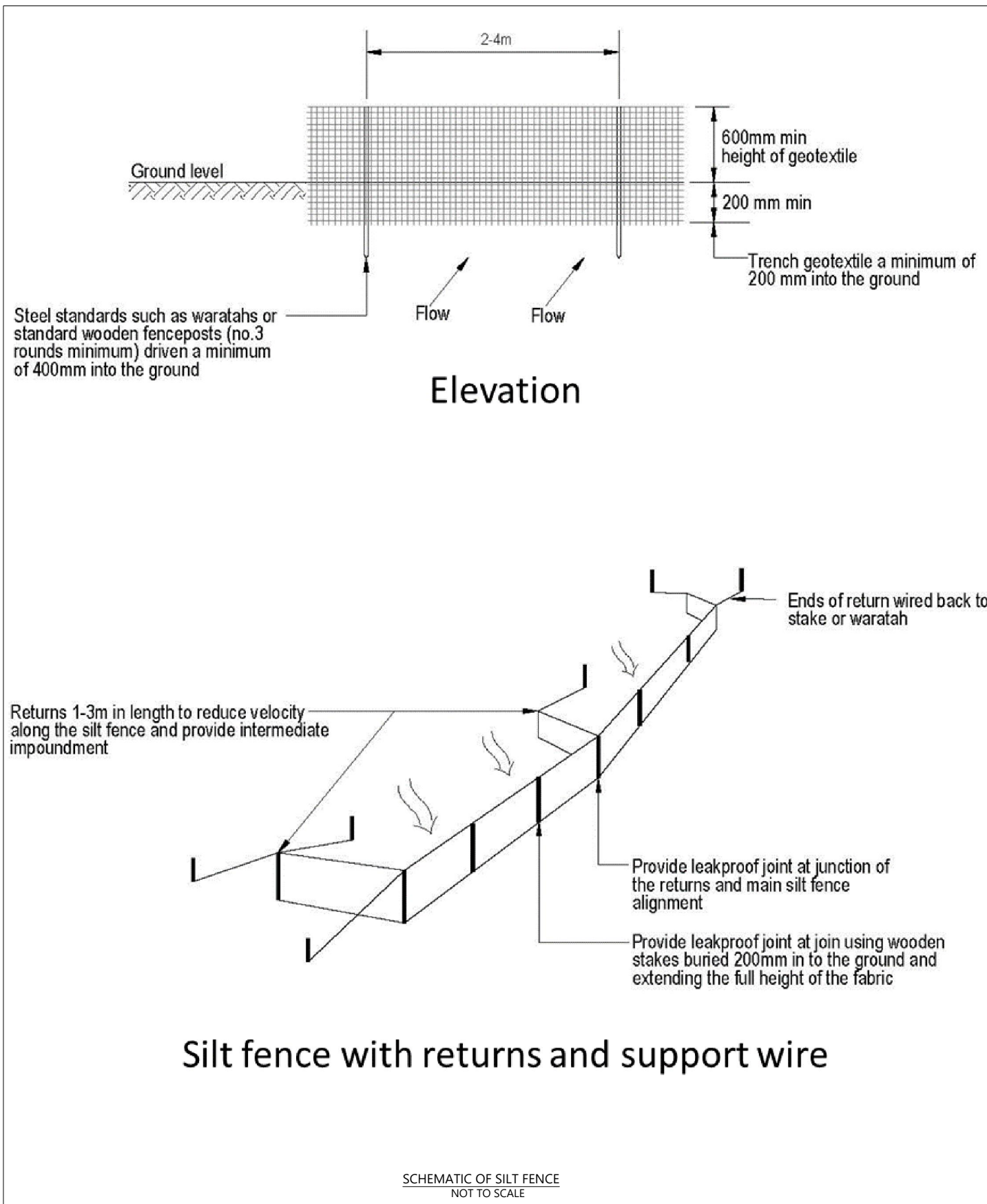
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ



**MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI**

**PHASE 1 :
EROSION & SEDIMENT CONTROL
STANDARD DETAILS
SHEET 1**

STATUS	ISSUED FOR CONSENT	REV
SCALE	N.T.S	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1603-EW	



REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

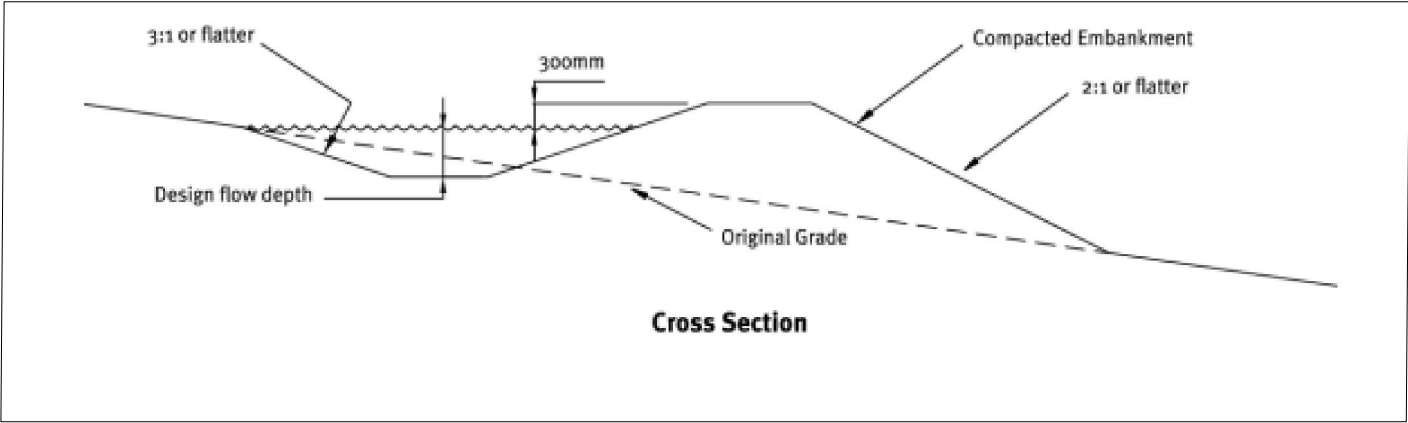
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DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	WOODS.CO.NZ



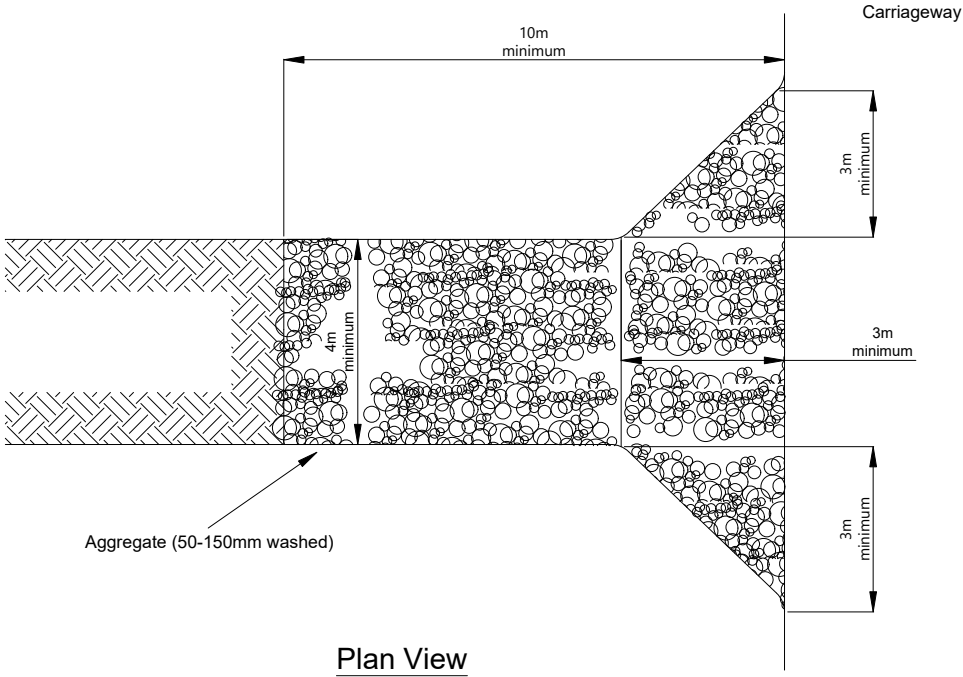
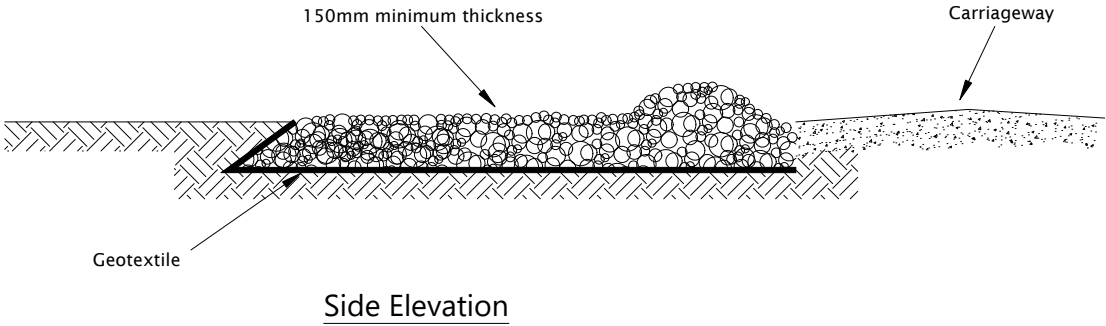
MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI

PHASE 1 :
EROSION & SEDIMENT CONTROL
STANDARD DETAILS
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	N.T.S	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1604-EW	



DIRTY WATER DIVERSION TYPICAL CROSS SECTION
NOT TO SCALE



STABILISED CONSTRUCTION ENTRANCE TYPICAL DETAILS
NOT TO SCALE

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	WOODS.CO.NZ



MILLDALE STAGES 14-17
FAST TRACK - TE KOROWAI
O MARAEARIKI
PHASE 1 :
EROSION & SEDIMENT CONTROL
STANDARD DETAILS
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	N.T.S	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-1605-EW	



SURFACE WATER PUMPED MAINS



1. EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSISTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
2. FOR DETAILS RELATING TO THE PROPOSED GROUNDWATER BORE AND STREAM INTAKE DEVICE, PLEASE REFER TO (SEPERATELY PROVIDED) REPORTING FROM WWLA
3. FOR DETAILS RELATING TO THE PROPOSED WATER SUPPLY TREATMENT PLANT AND WASTEWATER TREATMENT PLANT, PLEASE REFER TO REPORTING FROM APEX WATER
4. WATER ABSTRACTION FROM THE STREAM INTAKE AND GROUNDWATER BORE SHALL BE METERED AND MONITORED IN ACCORDANCE WITH CONSENT REQUIREMENTS.
5. FINAL TREATED WASTEWATER CONVEYANCE AND LAND-APPLICATION ARRANGEMENTS, INCLUDING THE LEVEL-SPREADER SYSTEM, ARE SUBJECT TO DETAILED DESIGN BY THE RELEVANT SPECIALIST ENGINEERS
6. ECOLOGICAL OFFSET WETLAND WORKS ARE TO BE UNDERTAKEN OFFLINE FROM THE PROPOSED BULK EARTHWORKS AND CIVIL WORKS, IN ACCORDANCE WITH THE RELEVANT CONSENT CONDITIONS.

SURVEYED	WOODS	WAINUI ROAD MILLCDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	WOODS.CO.NZ



PHASE 1;
WATER INFRASTRUCTURE
OVERALL LAYOUT PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-02-2000-RD	

File: C:\12DS\DATA\WP-AKL-APP-02\125-609 - MILLDALE NORTH FAST - TRACK APPLICATION_22695\02 DRAWINGS\01 ENG\02 PHASE 1 - WATER INFRASTRUCTURE & TE KOROWAI O MARAEARIKI\125-609-02-2000-RD-LAYOUT PLAN.DWG