

LEGEND:

EXTENTS OF FAST TRACK APPLICATION ---

EXISTING CONTOUR (1m) — 30 —

- NOTES:**
- ALL AREAS AND DIMENSIONS ARE SUBJECT TO FINAL SURVEY
 - SCHEME PLAN IS SUBJECT TO COUNCIL APPROVAL
 - ALL ROADS TO VEST IN AUCKLAND COUNCIL
 - ALL ACCESSWAYS TO VEST IN AUCKLAND COUNCIL
 - LOT 8 DP 136559 COMPRISED IN CT NA80C/106 IS SUBJECT TO SECTION 206 LAND ACT 1924

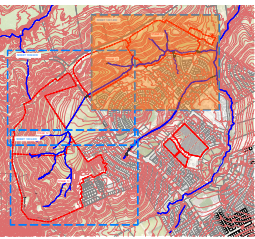
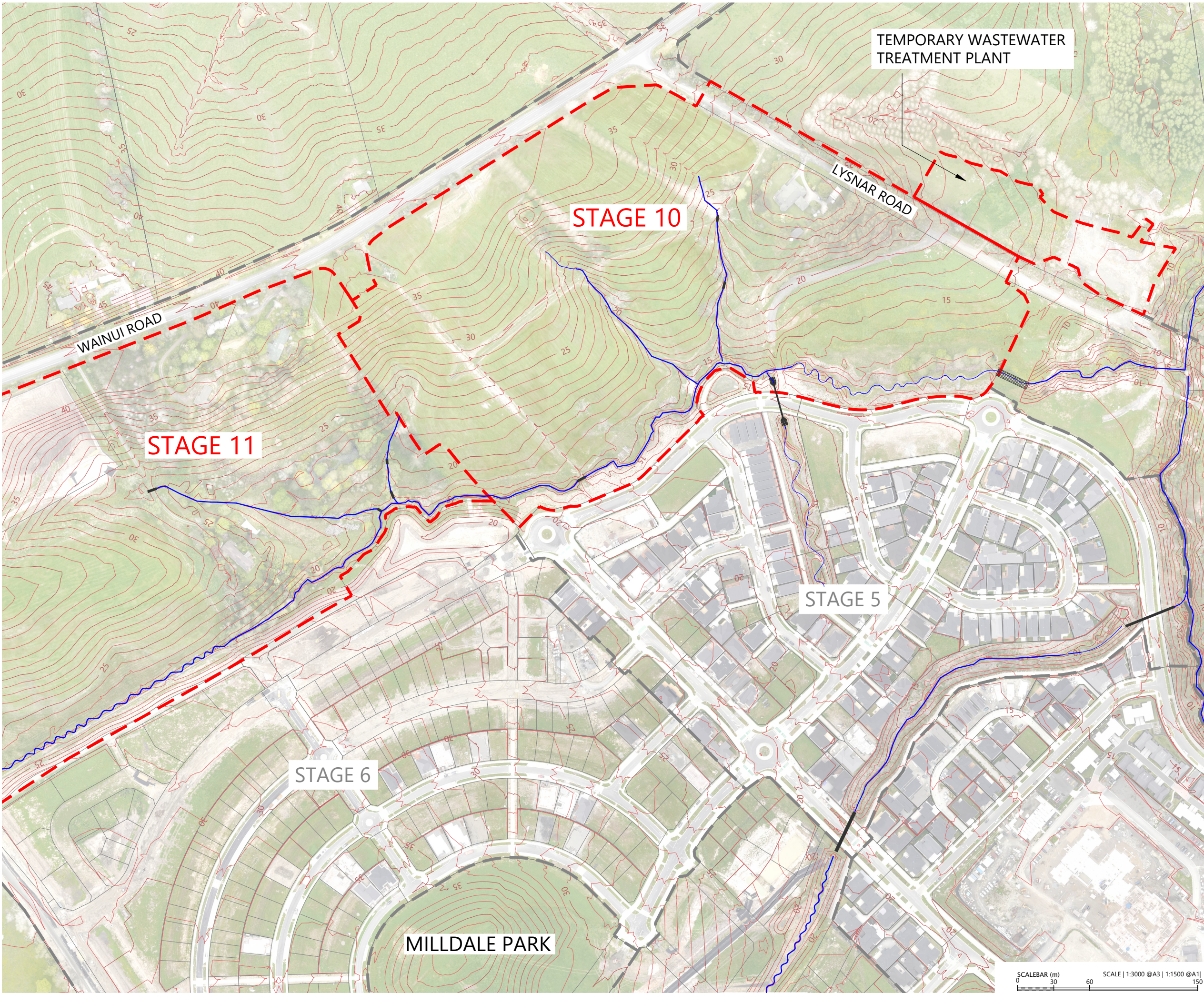
REVISION DETAILS		BY	DATE
1	FOR CONSENT	JW	FEB 2025

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	WOODS.CO.NZ

**MILLDALE
FAST TRACK
STAGES 10 - 13**

EXISTING CONTOUR
LAYOUT OVERALL PLAN

STATUS	FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1000-EW	



LOCALITY PLAN
N.T.S



LEGEND:

EXTENTS OF FAST TRACK APPLICATION ———
EXISTING CONTOUR (1m) — 30 —

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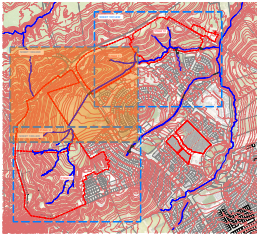
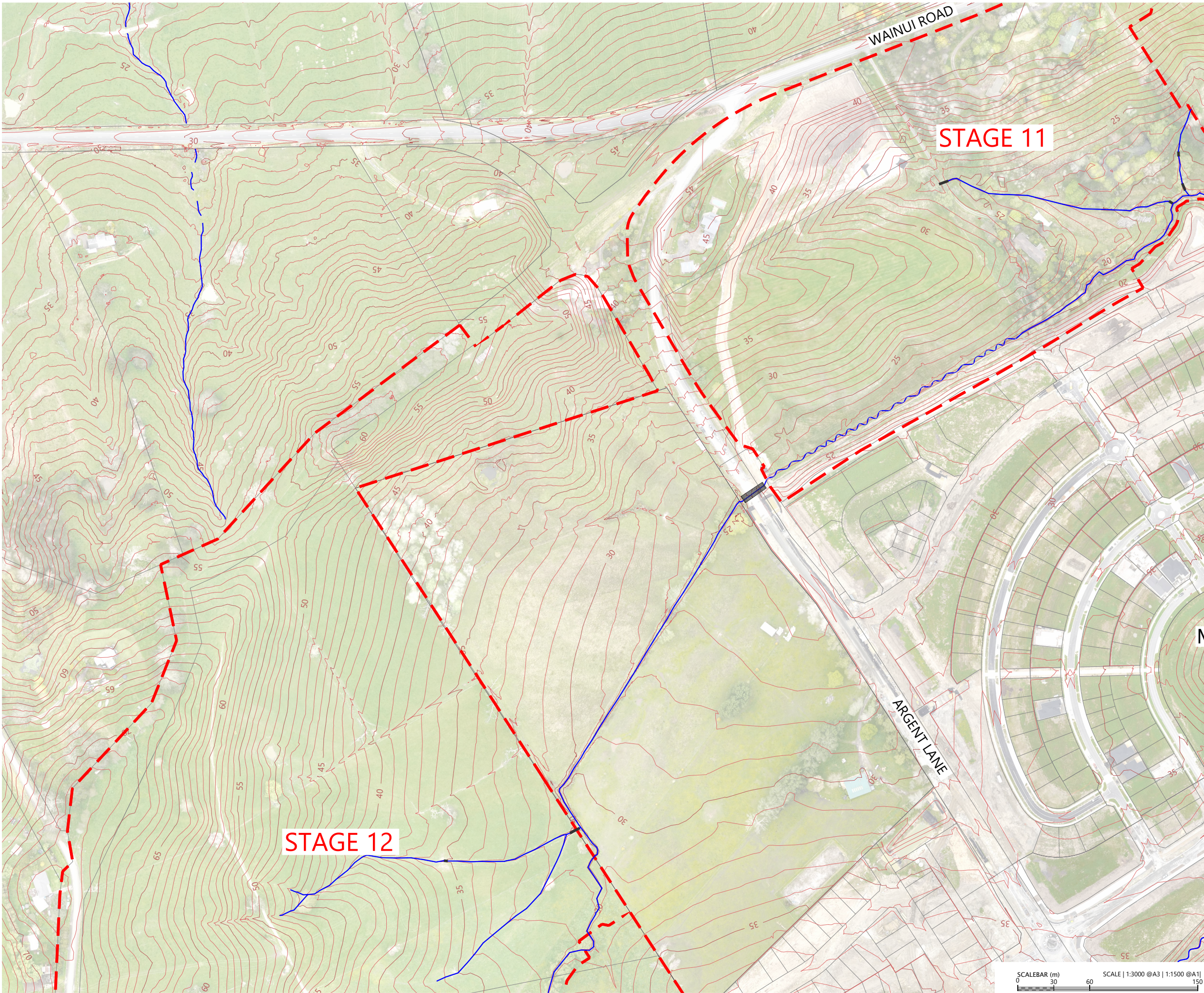
REVISION DETAILS		BY	DATE
1	FOR CONSENT	JW	FEB 2025

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ



**MILLDALE
FAST TRACK
STAGES 10 - 13**
EXISTING CONTOUR LAYOUT PLAN
SHEET 1

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1001-EW	



LOCALITY PLAN
N.T.S



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- EXISTING CONTOUR (1m) — 30 —

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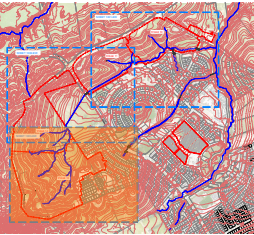
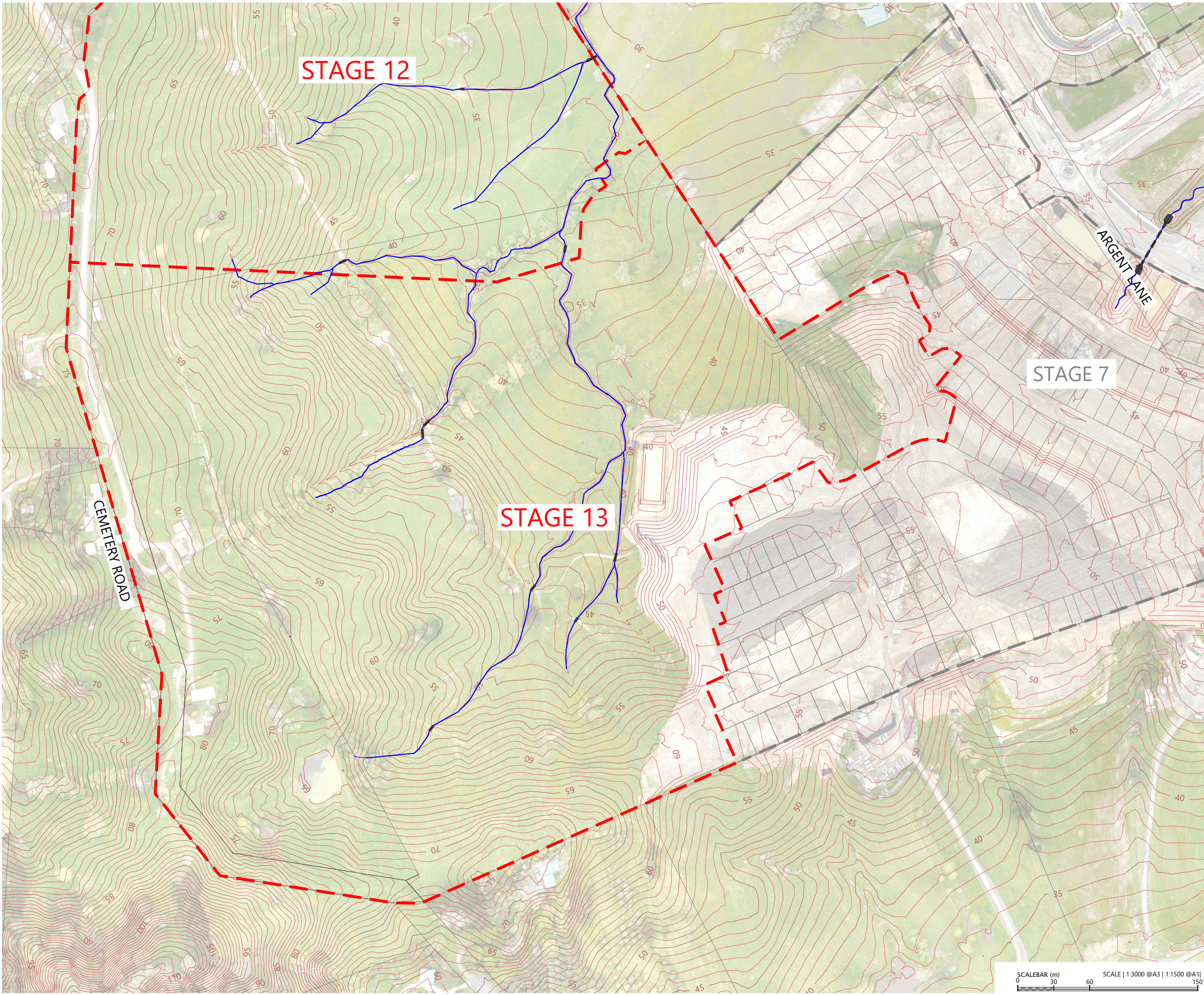
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DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
EXISTING CONTOUR LAYOUT PLAN
SHEET 2

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1002-EW	



LOCALITY PLAN
N.T.S



LEGEND:

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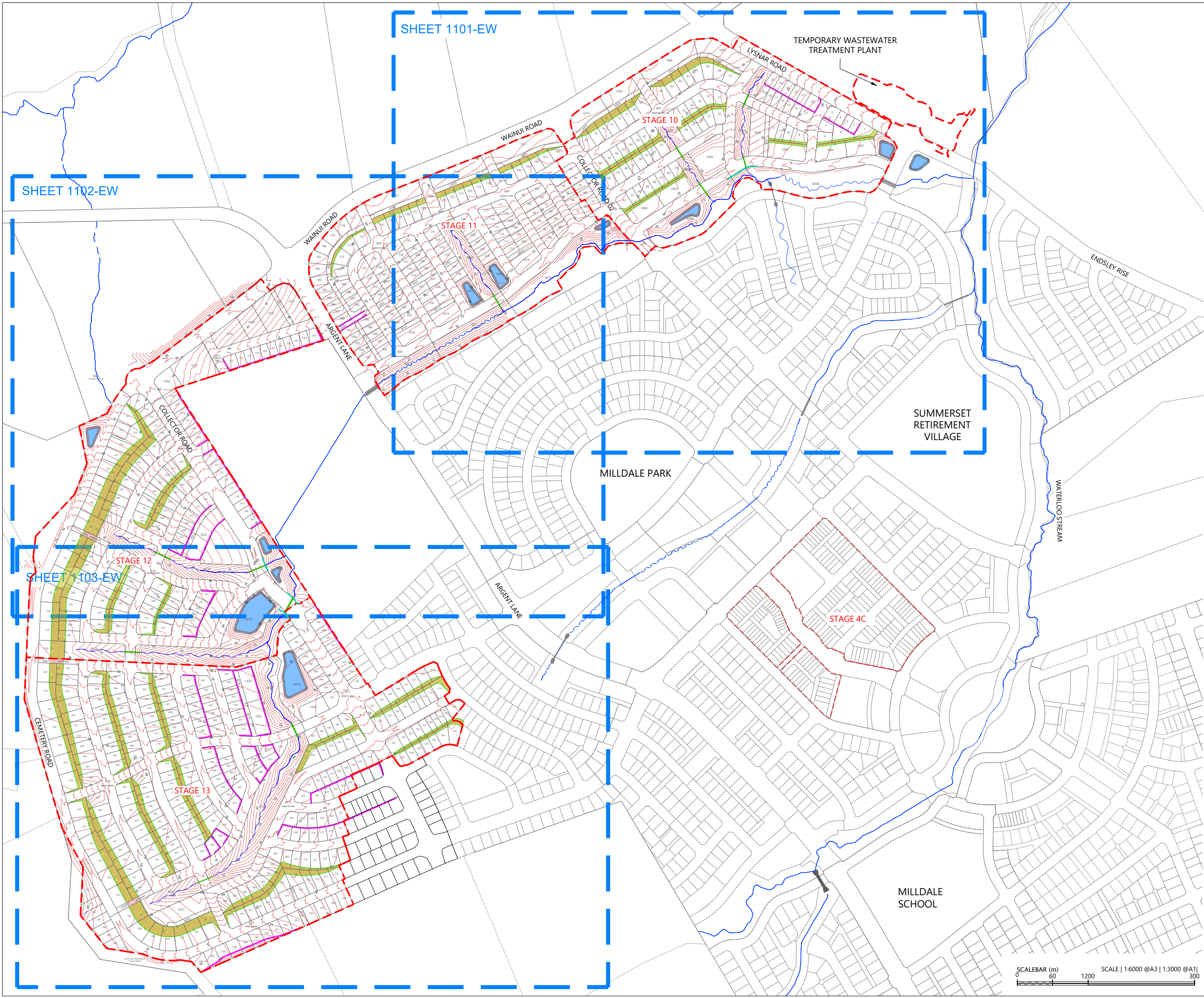
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SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	WOODS.CO.NZ
CHECKED	JW	
APPROVED	JW	



MILLDALE
FAST TRACK
STAGES 10 - 13
EXISTING CONTOUR LAYOUT PLAN
SHEET 3

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1003-EW	



LEGEND:

- EXTENTS OF FAST TRACK APPLICATION
- LOT BOUNDARIES OF FAST TRACK APPLICATION
- DESIGN CONTOUR (1m)
- STREAM RETAINED AND ENHANCED
- PROPOSED RETAINING WALL
- PROPOSED HEADWALL
- PROPOSED RE SLOPES

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.

REVISION DETAILS		BY	DATE
1	FOR CONSENT	TGB	FEB 2025

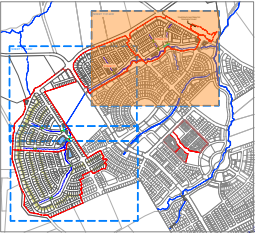
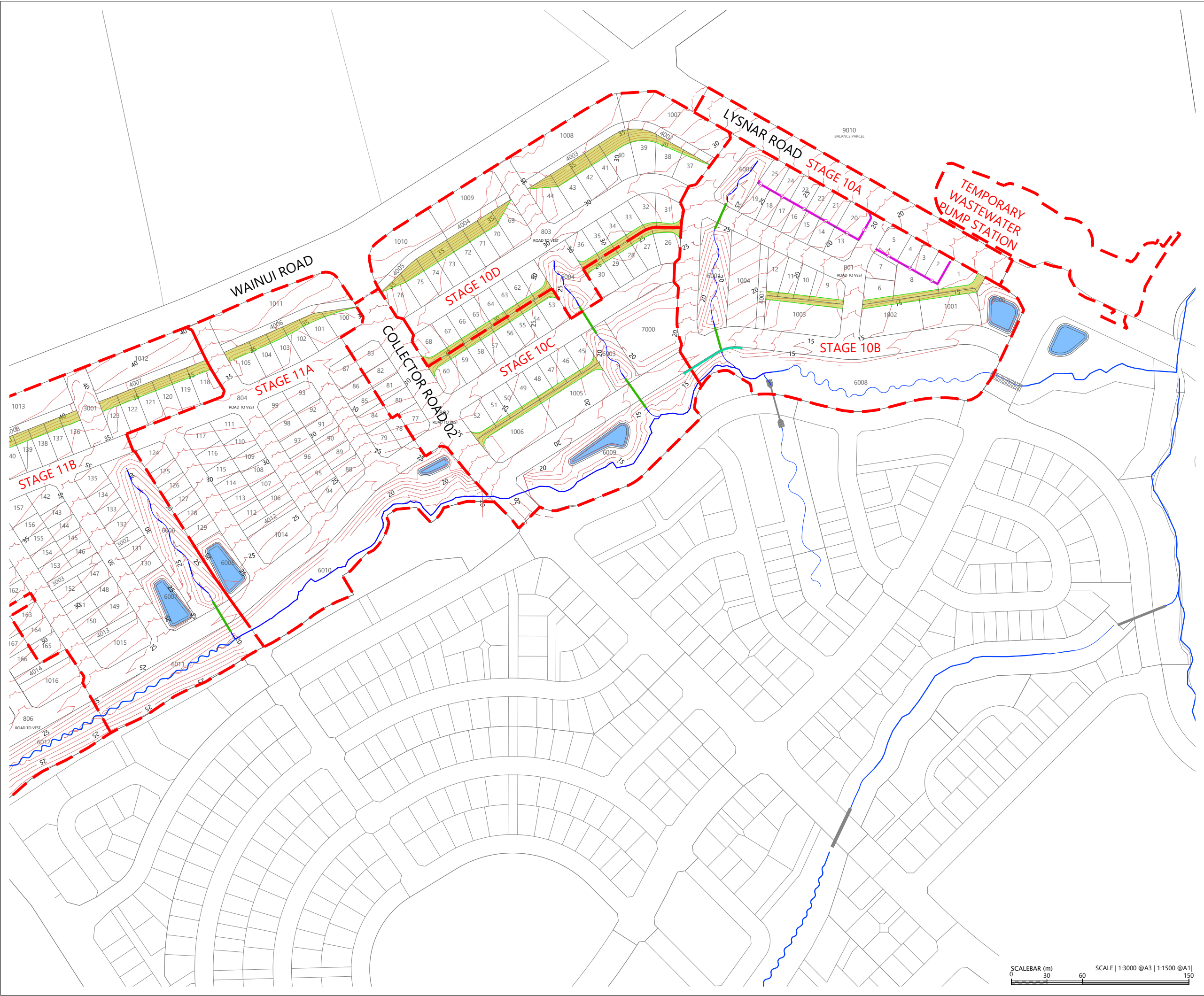
SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ



**MILLDALE
FAST TRACK
STAGES 10 - 13**

DESIGN CONTOUR
LAYOUT OVERALL PLAN

STATUS	FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1100-EW	



LOCALITY PLAN
N.T.S



LEGEND:

- EXTENTS OF FAST TRACK APPLICATION
- LOT BOUNDARIES OF FAST TRACK APPLICATION
- DESIGN CONTOUR (1m)
- STREAM RETAINED AND ENHANCED
- PROPOSED RETAINING WALL
- PROPOSED HEADWALL
- PROPOSED RE SLOPES

NOTES

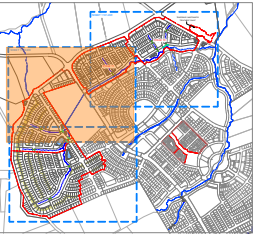
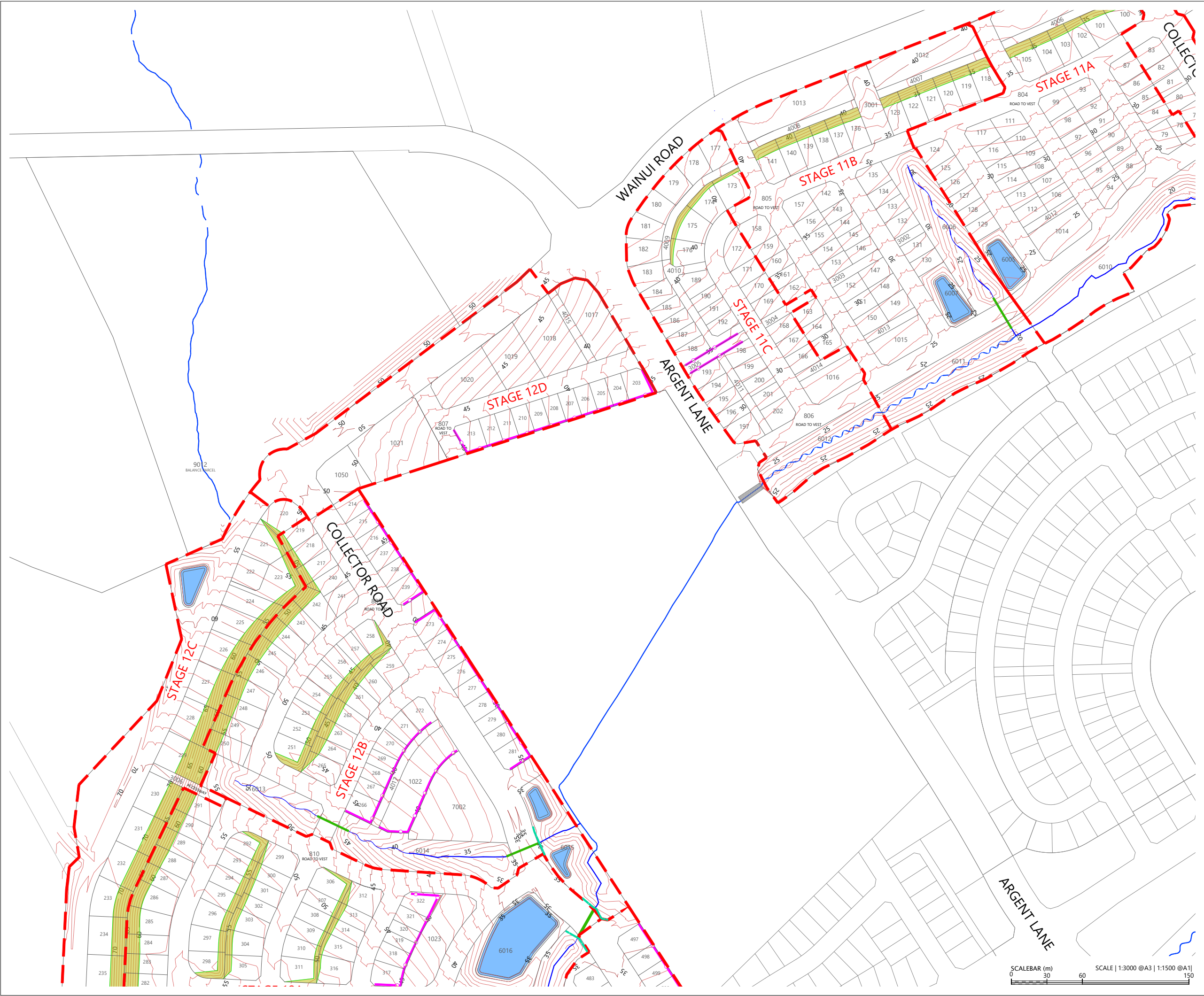
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1	FOR CONSENT	TGB	FEB 2025

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DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
DESIGN CONTOUR LAYOUT PLAN
SHEET 1

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1101-EW	



LOCALITY PLAN
N.T.S



LEGEND:

- EXTENTS OF FAST TRACK APPLICATION
- LOT BOUNDARIES OF FAST TRACK APPLICATION
- DESIGN CONTOUR (1m)
- STREAM RETAINED AND ENHANCED
- PROPOSED RETAINING WALL
- PROPOSED HEADWALL
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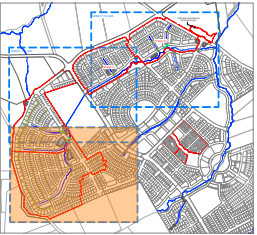
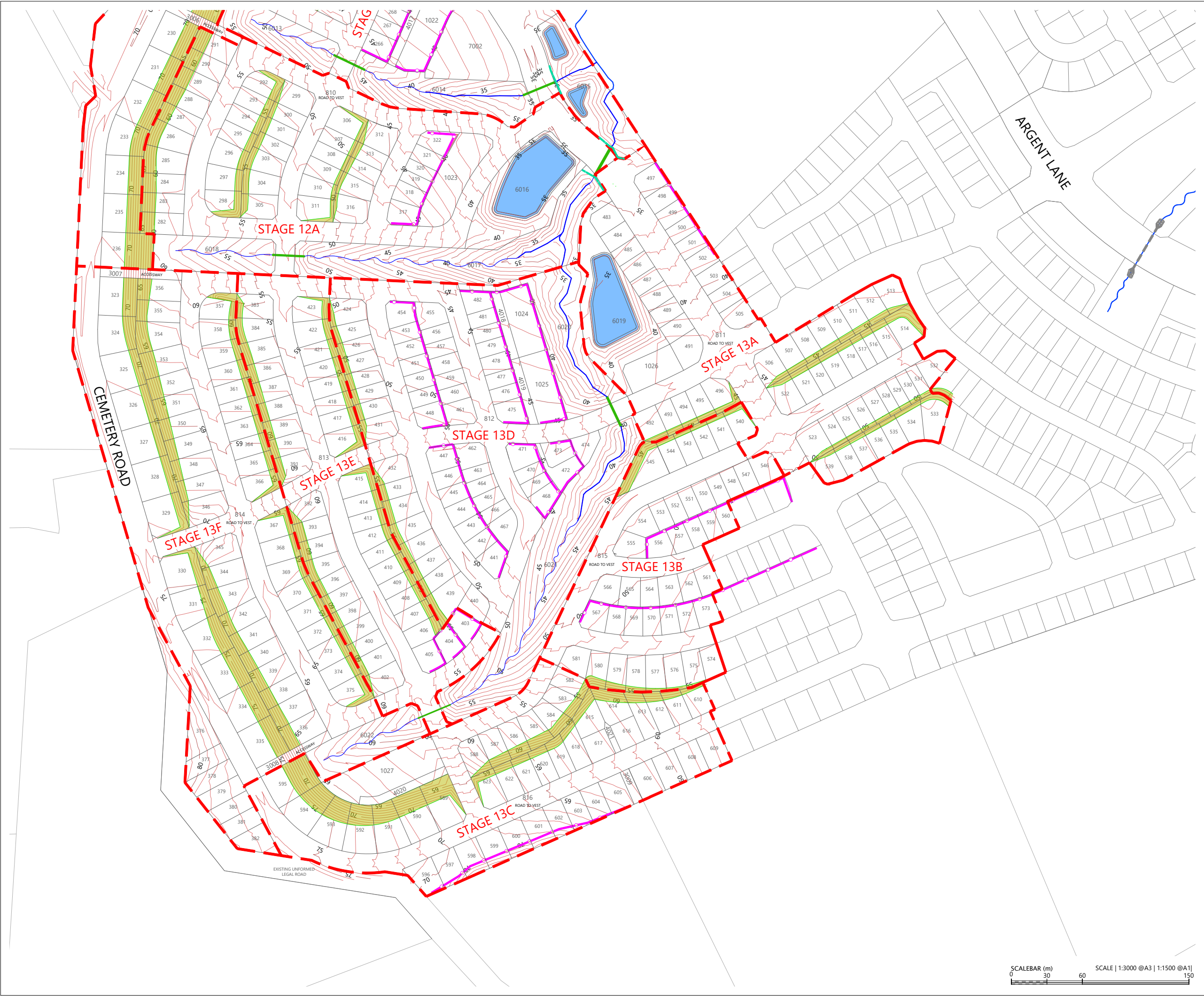
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MILLDALE
FAST TRACK
STAGES 10 - 13
DESIGN CONTOUR LAYOUT PLAN
SHEET 2

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1102-EW	



LOCALITY PLAN
N.T.S



LEGEND:

- EXTENTS OF FAST TRACK APPLICATION
- LOT BOUNDARIES OF FAST TRACK APPLICATION
- DESIGN CONTOUR (1m)
- STREAM RETAINED AND ENHANCED
- PROPOSED RETAINING WALL
- PROPOSED HEADWALL
- PROPOSED RE SLOPES

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MILLDALE
FAST TRACK
STAGES 10 - 13
DESIGN CONTOUR LAYOUT PLAN
SHEET 3

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1103-EW	

STAGE 10&11 VOLUMES:	
DESIGN TIN PLAN AREA	= 231,349m ²
TOTAL CUT VOLUME	= -248,872m ³
TOTAL FILL VOLUME	= 213,847m ³
TOTAL BALANCE	= 35,025m ³ EXCESS

STAGE 12&13 VOLUMES:	
DESIGN TIN PLAN AREA	= 448,936m ²
TOTAL CUT VOLUME	= -485,175m ³
TOTAL FILL VOLUME	= 735,913m ³
TOTAL BALANCE	= 250,738m ³ DEFICIT

LEGEND	
EXTENTS OF FAST TRACK APPLICATION	
EXTENTS OF FAST TRACK APPLICATION EARTHWORKS	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
STREAM RETAINED AND ENHANCED	
PROPOSED RETAINING WALL	

- NOTES**
- ALL EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT.
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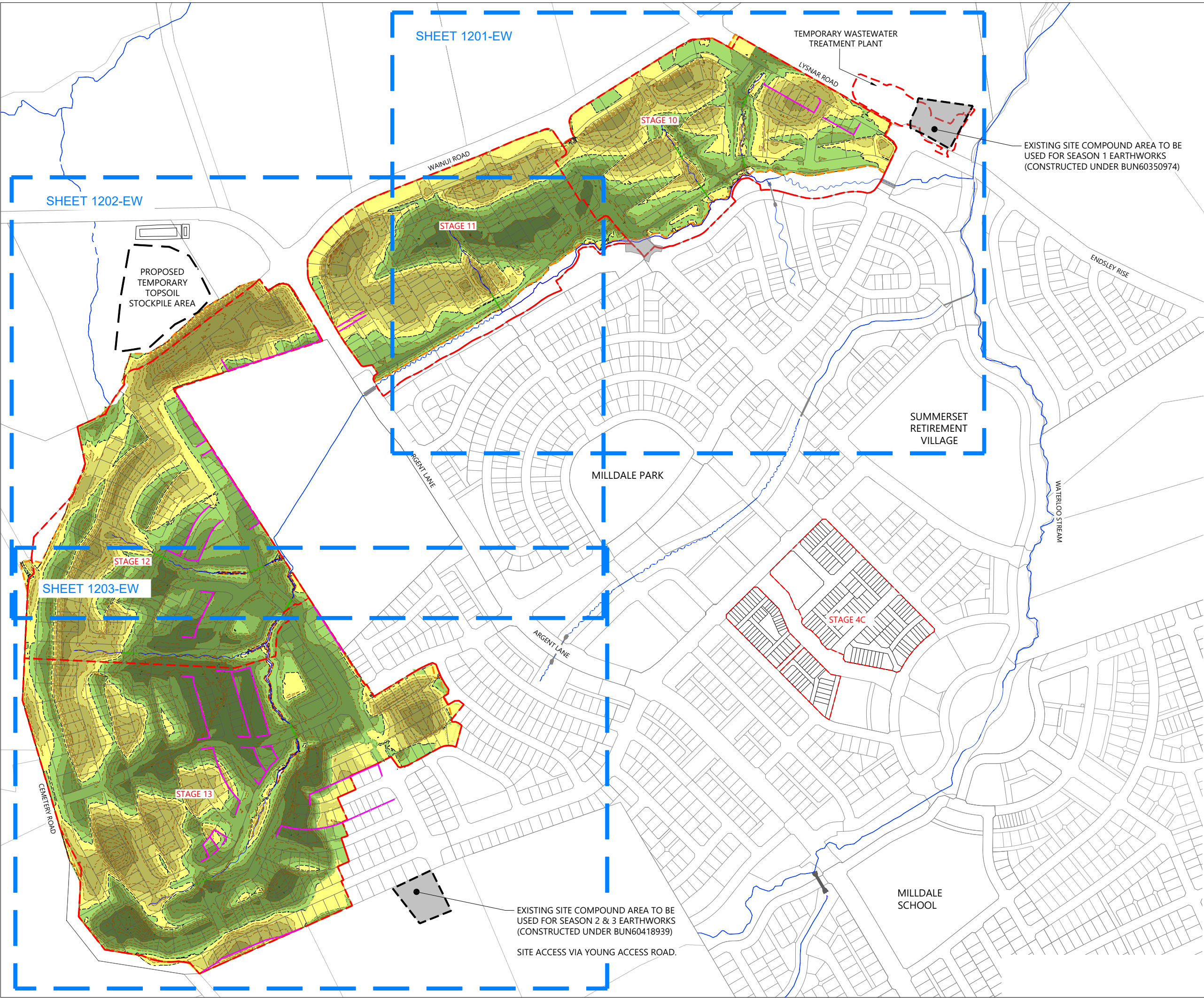
REVISION DETAILS		BY	DATE
1	FOR CONSENT	JW	FEB 25

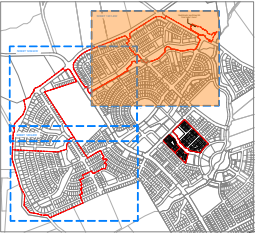
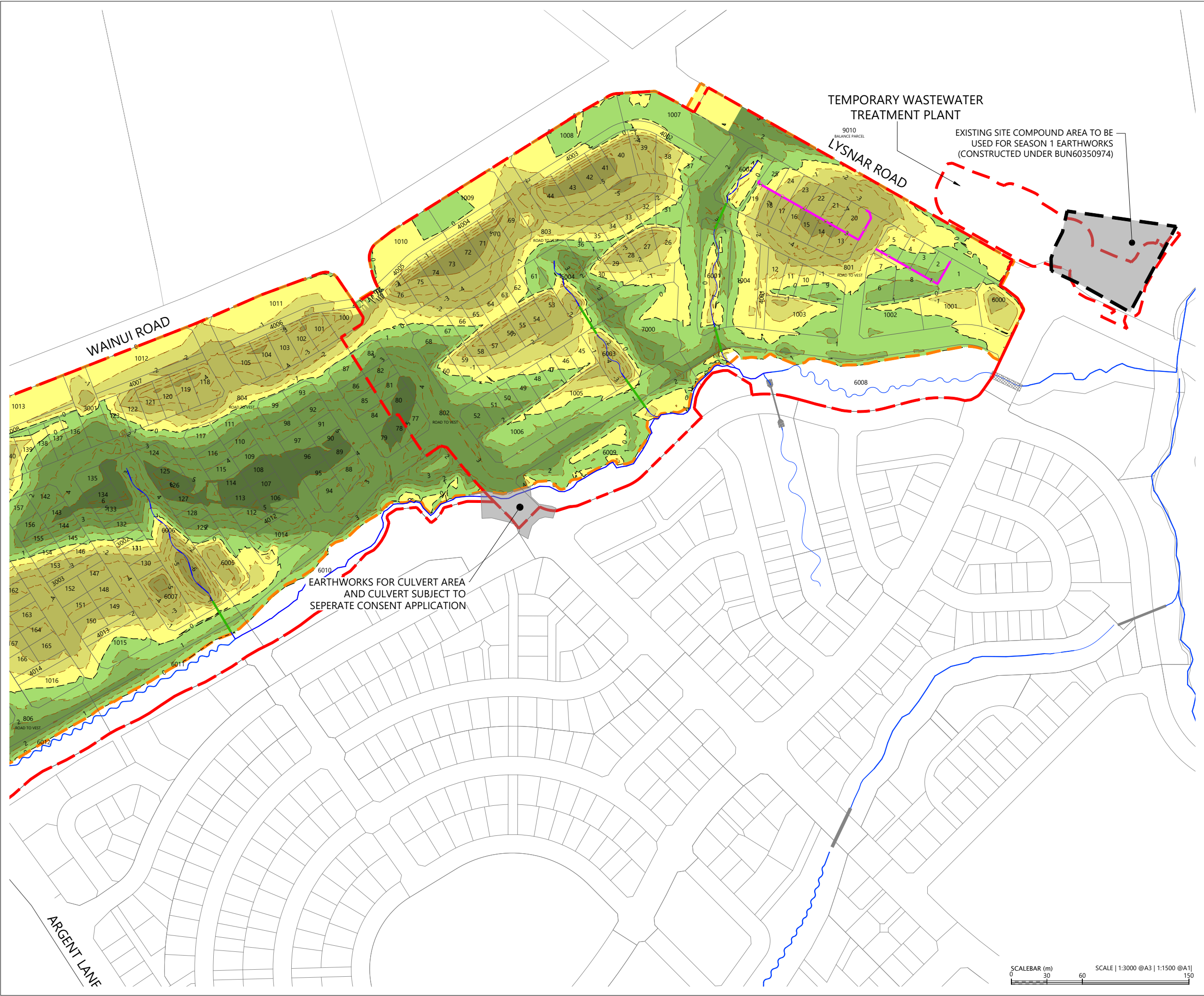
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DESIGNED	WOODS	
DRAWN	FA	
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APPROVED	JW	
		WOODS.CO.NZ

**MILLDALE
FAST TRACK
STAGES 10 - 13**

**CUT FILL LAYOUT
OVERALL PLAN**

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1200-EW	





LOCALITY PLAN
N.T.S



LEGEND

EXTENTS OF FAST TRACK APPLICATION	
EXTENTS OF FAST TRACK APPLICATION EARTHWORKS	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
STREAM RETAINED AND ENHANCED	
PROPOSED RETAINING WALL	

NOTES

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DESIGNED	WOODS	
DRAWN	FA	
CHECKED		
APPROVED	JW	
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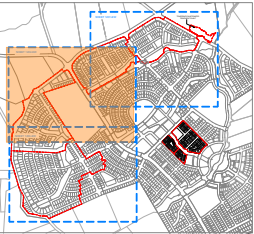
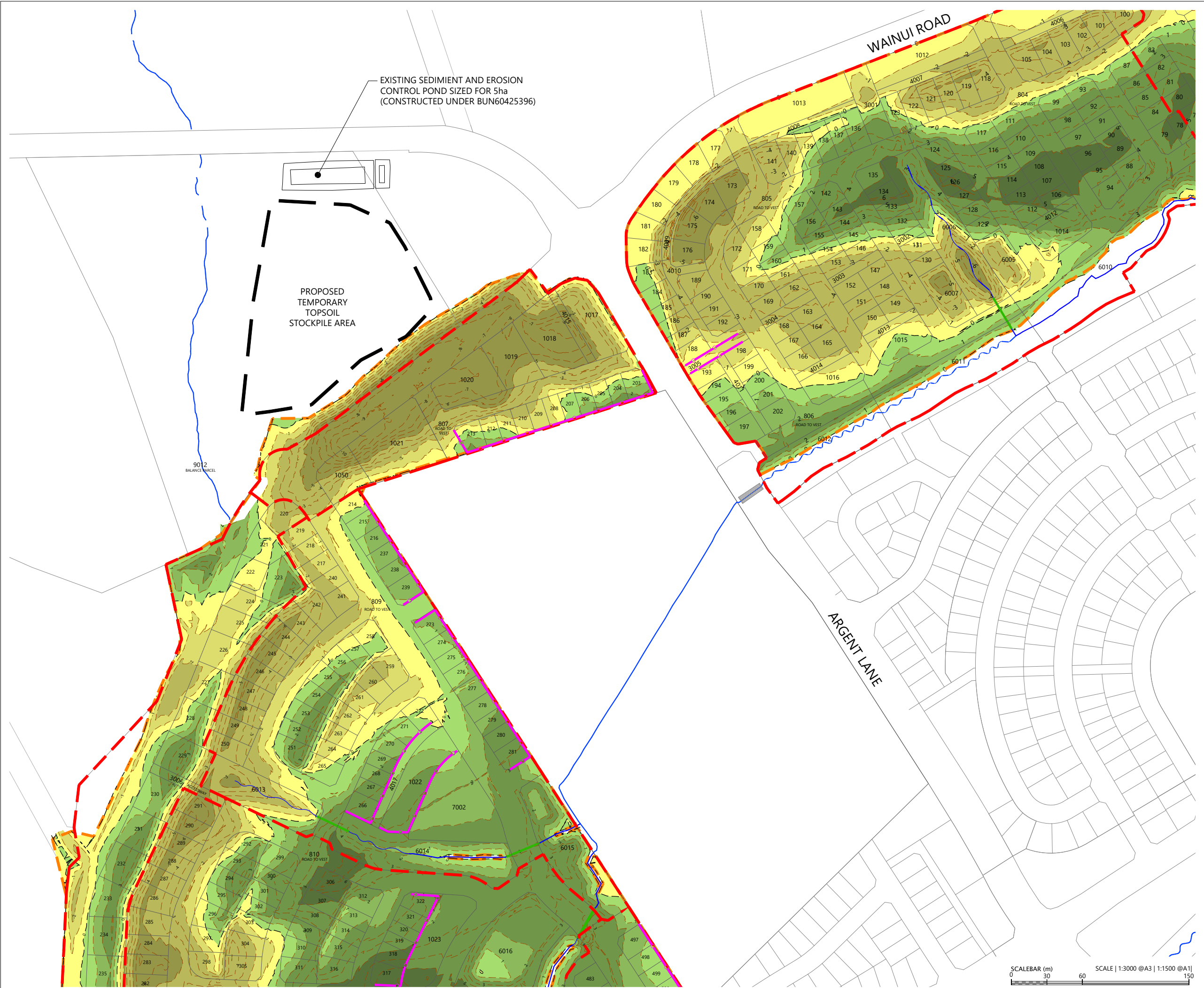


MILLDALE
FAST TRACK
STAGES 10 - 13

CUT FILL LAYOUT
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1201-EW	





LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- EXTENTS OF FAST TRACK APPLICATION EARTHWORKS
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- STREAM RETAINED AND ENHANCED
- PROPOSED RETAINING WALL

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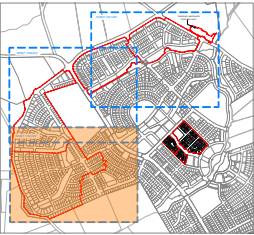
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DESIGNED	WOODS	
DRAWN	FA	
CHECKED		
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
CUT FILL LAYOUT
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1202-EW	



LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION ---
- EXTENTS OF FAST TRACK APPLICATION EARTHWORKS ---
- CUT / FILL CONTOURS (1m) ---
- CUT / FILL LINE ---
- AREAS OF CUT ---
- AREAS OF FILL ---
- STREAM RETAINED AND ENHANCED ---
- PROPOSED RETAINING WALL ---

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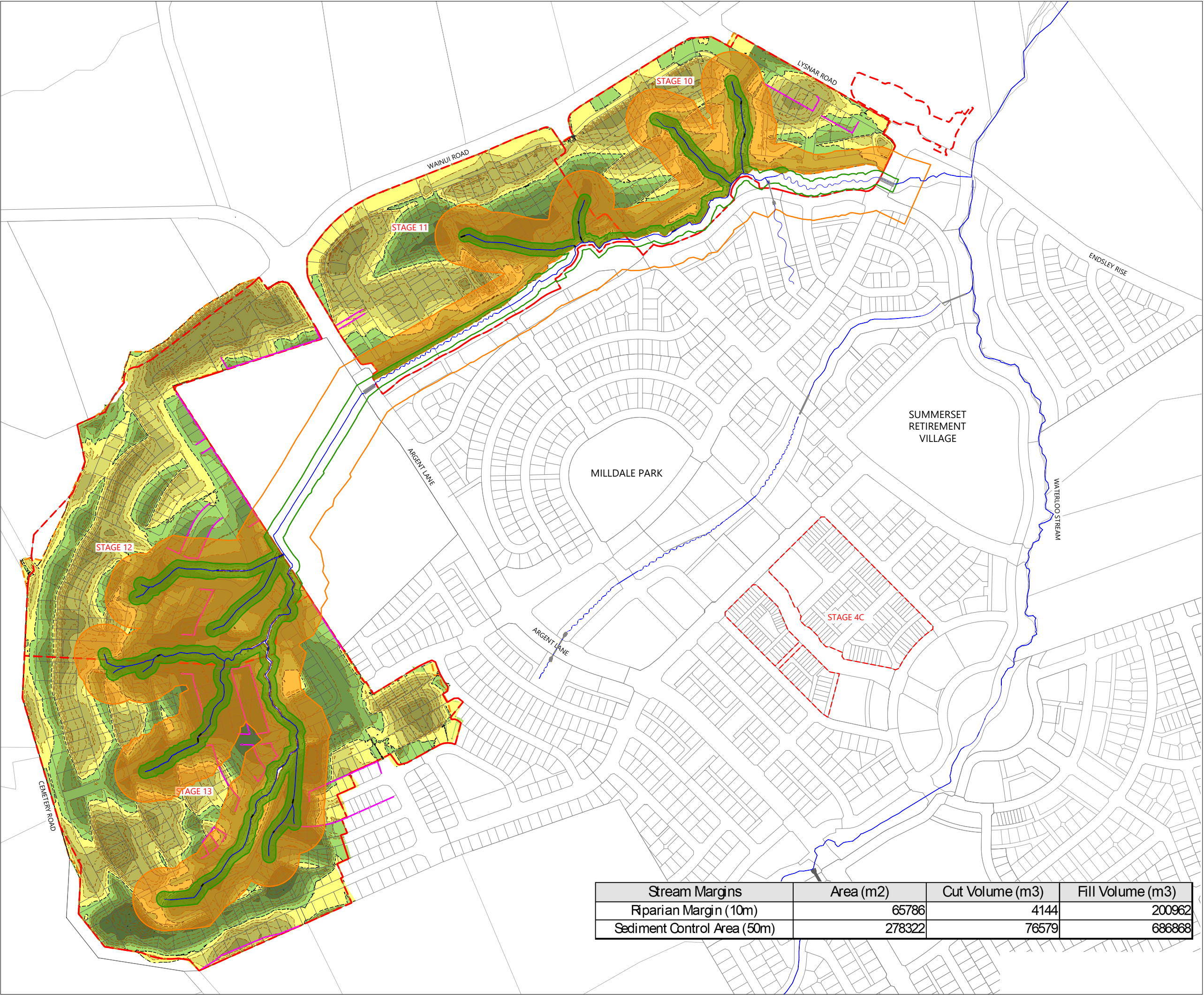
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MILLDALE
FAST TRACK
STAGES 10 - 13
CUT FILL LAYOUT
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1203-EW	





LEGEND

EXTENTS OF FAST TRACK APPLICATION	
EXTENTS OF FAST TRACK APPLICATION EARTHWORKS	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
EXISTING STREAMS	
PROPOSED RETAINING WALL	
RIPIARIAN MARGINS (10m) 6.5786 ha	
SEDIMENT CONTROL AREAS (50m) 27.8322 ha	

REVISION DETAILS		BY	DATE
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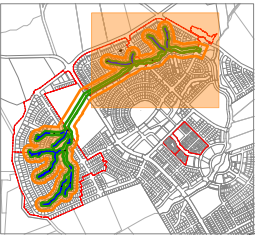
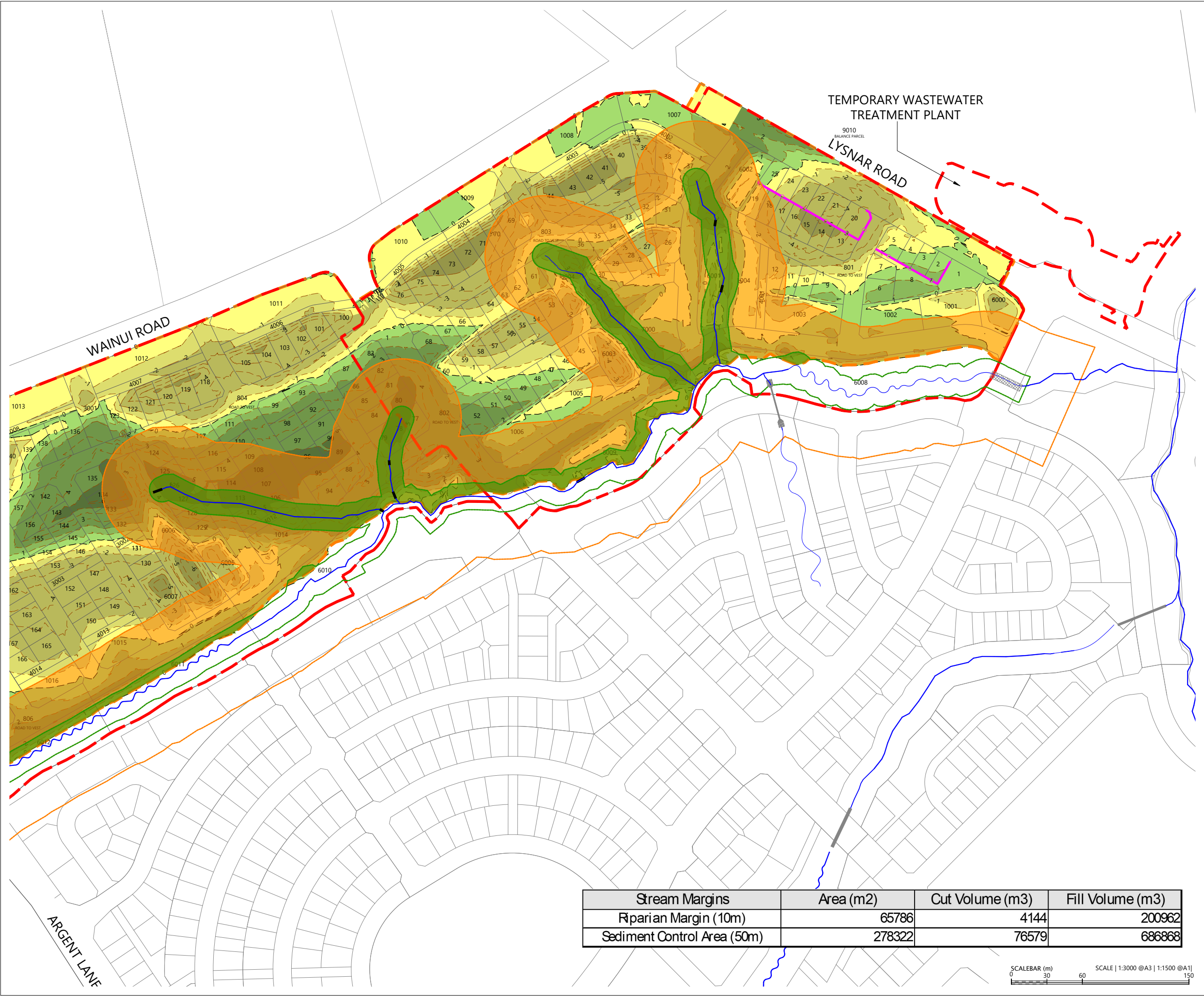
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DESIGNED	WOODS	
DRAWN	JW	
CHECKED	MW	
APPROVED	JW	
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MILLDALE
FAST TRACK
STAGES 10 - 13
EARTHWORKS IN STREAM
MARGINS
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1250-EW	

Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)
Riparian Margin (10m)	65786	4144	200962
Sediment Control Area (50m)	278322	76579	686868



LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- EXTENTS OF FAST TRACK APPLICATION EARTHWORKS
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- RIPIARIAN MARGINS (10m)
6.5786 ha
- SEDIMENT CONTROL AREAS (50m)
27.8322 ha

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	MW	
APPROVED	JW	
		WOODS.CO.NZ



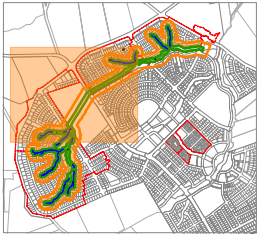
MILLDALE
FAST TRACK
STAGES 10 - 13
EARTHWORKS IN STREAM
MARGINS
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1251-EW	

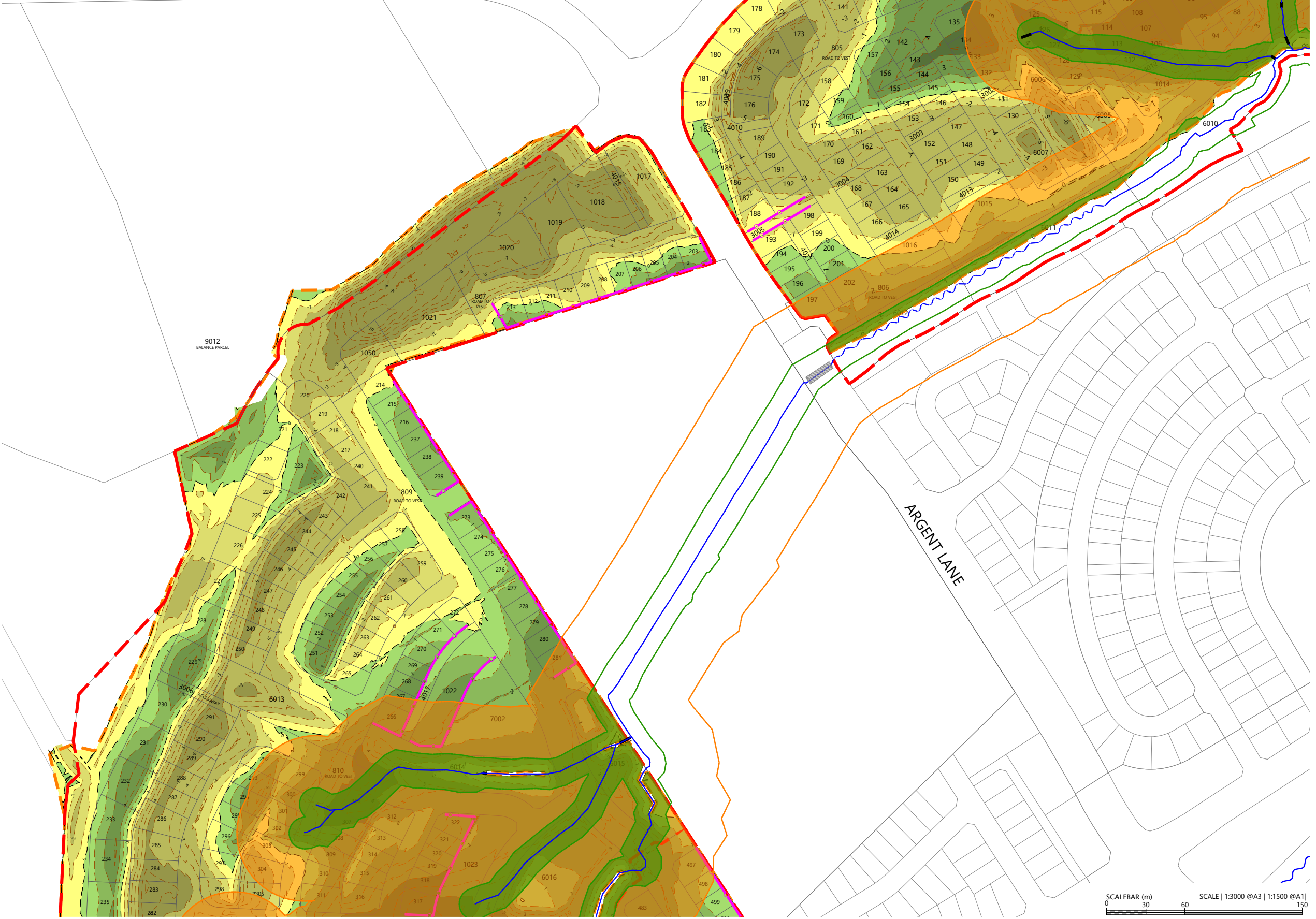
Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)
Riparian Margin (10m)	65786	4144	200962
Sediment Control Area (50m)	278322	76579	686868



Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)
Riparian Margin (10m)	65786	4144	200962
Sediment Control Area (50m)	278322	76579	686868



LOCALITY PLAN
N.T.S



LEGEND

EXTENTS OF FAST TRACK APPLICATION	
EXTENTS OF FAST TRACK APPLICATION EARTHWORKS	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
EXISTING STREAMS	
PROPOSED RETAINING WALL	
RIPIARIAN MARGINS (10m) 6.5786 ha	
SEDIMENT CONTROL AREAS (50m) 27.8322 ha	

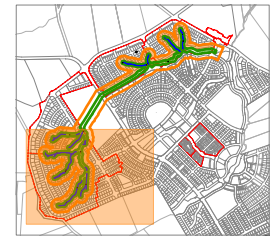
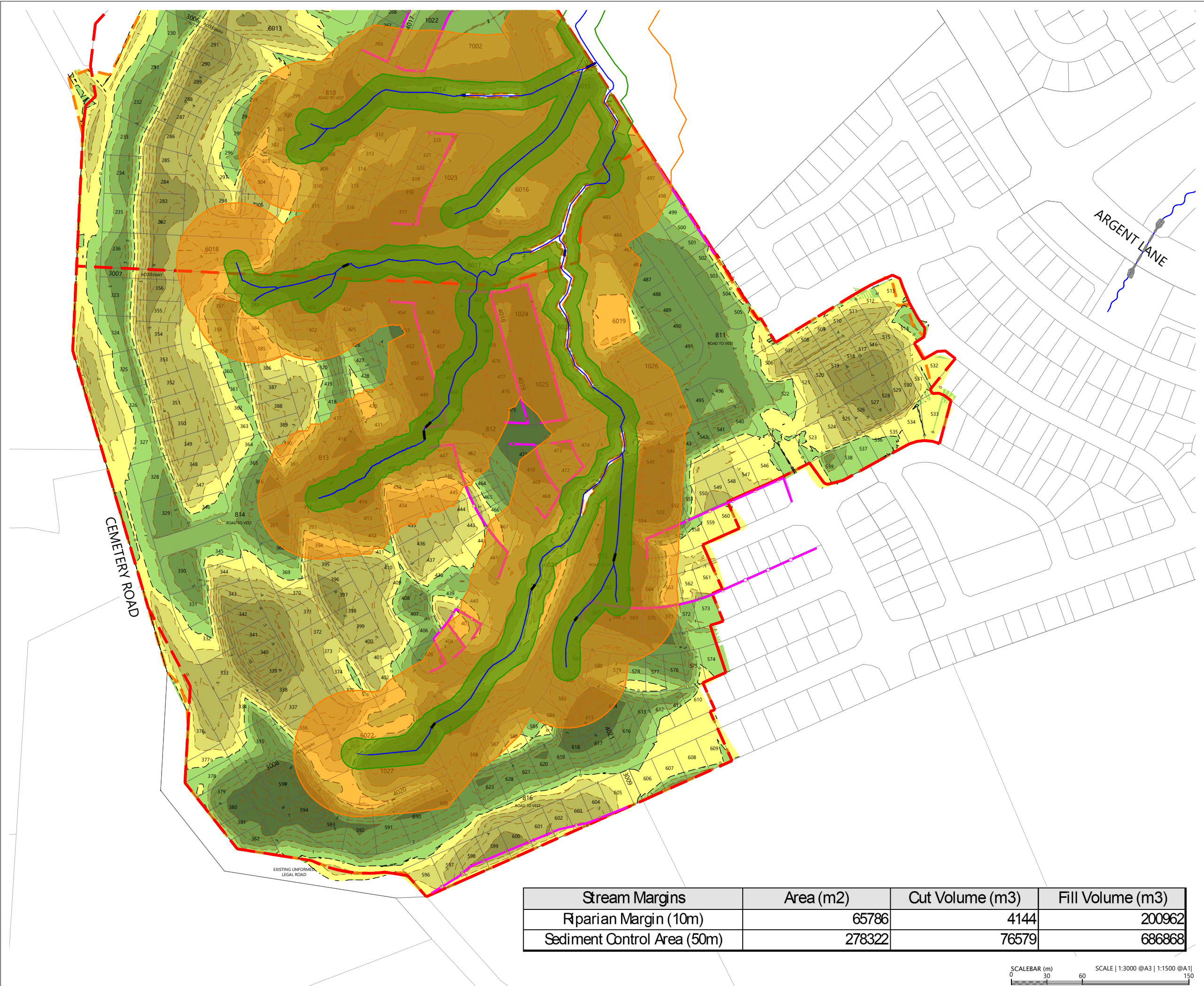
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	MW	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
EARTHWORKS IN STREAM
MARGINS
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1252-EW	





LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- EXTENTS OF FAST TRACK APPLICATION EARTHWORKS
- CUT / FILL CONTOURS (1m)
- CUT / FILL LINE
- AREAS OF CUT
- AREAS OF FILL
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- RIPIARIAN MARGINS (10m)
6.5786 ha
- SEDIMENT CONTROL AREAS (50m)
27.8322 ha

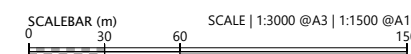
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

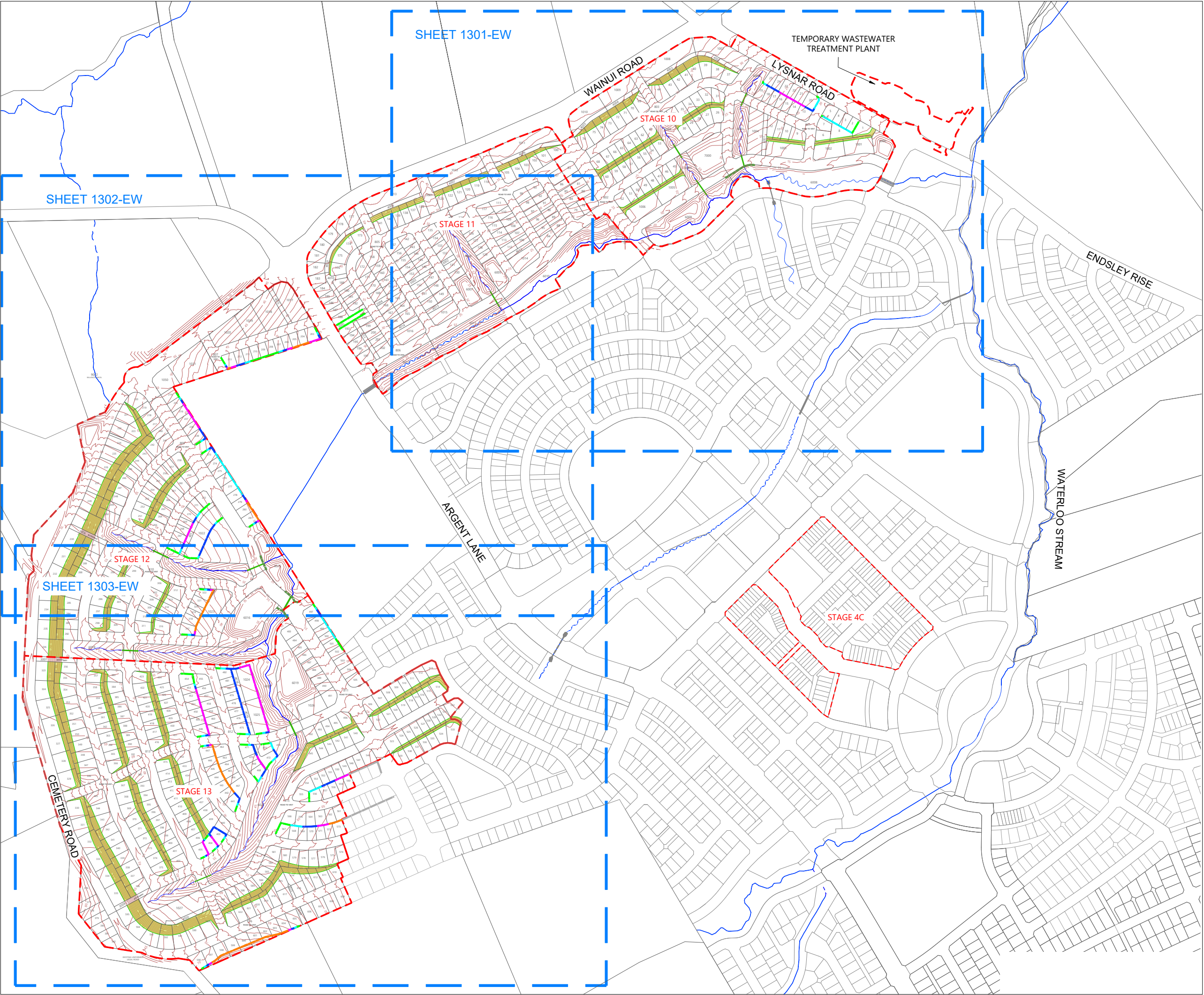
SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	MW	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
EARTHWORKS IN STREAM
MARGINS
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1253-EW	

Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)
Rparian Margin (10m)	65786	4144	200962
Sediment Control Area (50m)	278322	76579	686868





LEGEND	
EXTENTS OF FAST TRACK APPLICATION	<div></div>
BOUNDARIES	<div></div>
DESIGN CONTOURS (1.0m INTERVAL)	<div>55.0</div>
RETAINING WALL HEIGHT UNDER 1.0m	<div></div>
RETAINING WALL HEIGHT 1.0m-1.5m	<div></div>
RETAINING WALL HEIGHT 1.5m-2.0m	<div></div>
RETAINING WALL HEIGHT 2.0m-2.5m	<div></div>
RETAINING WALL HEIGHT 2.5m-3.0m	<div></div>
RETAINING WALL HEIGHT OVER 3.0m	<div></div>
EXISTING RETAINING WALL	<div></div>
CULVERT HEADWALL HEIGHT 4.0m-5.0m	<div></div>
RE SLOPE (1V:2H) PLANTED BATTER	<div></div>

- NOTES:
- ALL AREAS AND DIMENSIONS ARE SUBJECT TO FINAL SURVEY
 - SCHEME PLAN IS SUBJECT TO COUNCIL APPROVAL
 - ALL ROADS TO VEST IN AUCKLAND COUNCIL
 - ALL ACCESSWAYS TO VEST IN AUCKLAND COUNCIL
 - LOT 8 DP 136559 COMPRISED IN CT NAB0C/106 IS SUBJECT TO SECTION 206 LAND ACT 1924

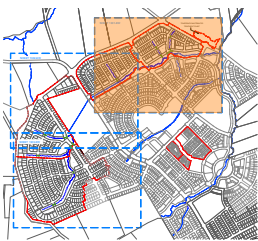
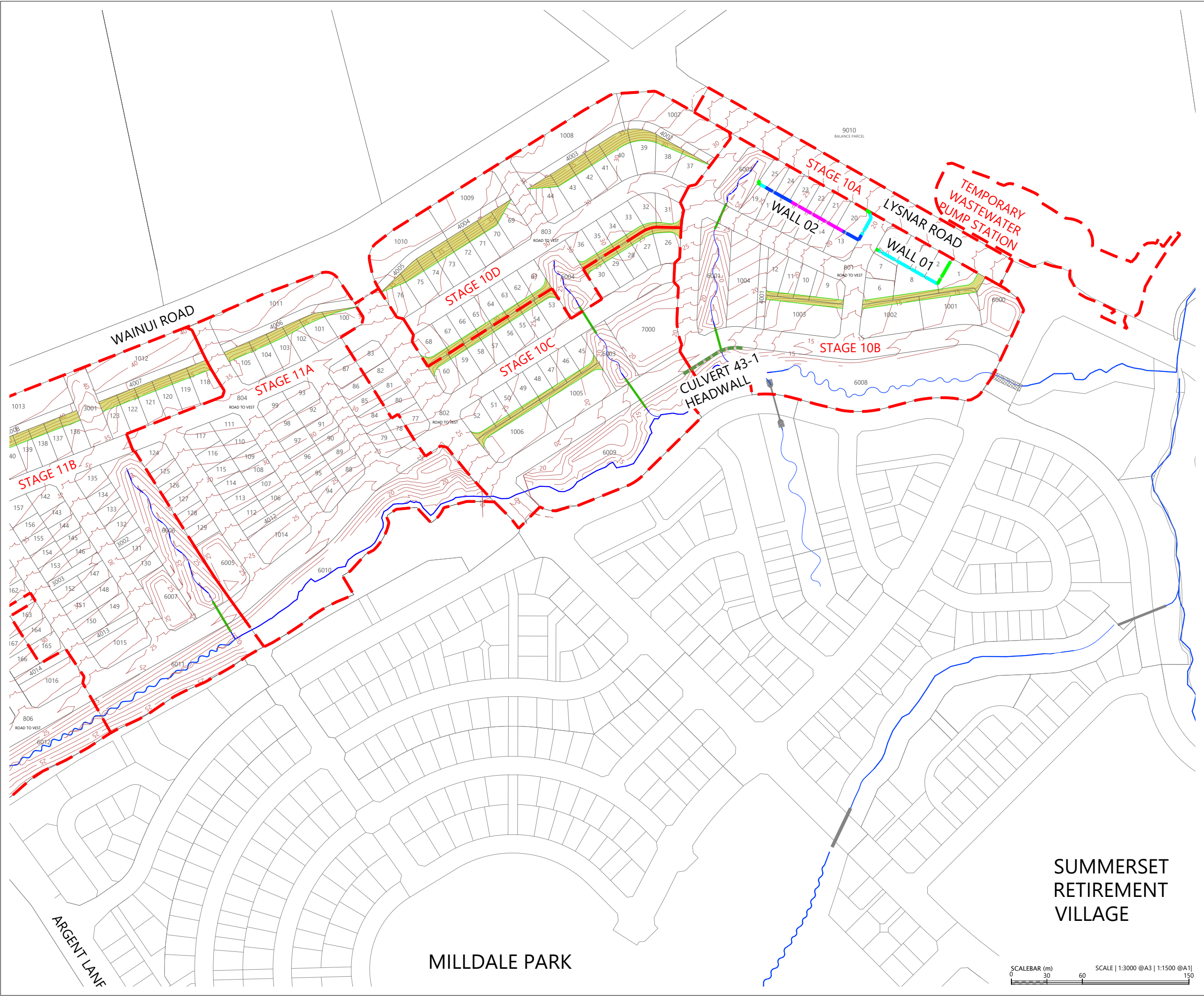
REVISION DETAILS	BY	DATE
1 FOR CONSENT	MW	FEB 2025

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE
FAST TRACK
STAGES 10 - 13
RETAINING WALL
LAYOUT OVERALL PLAN

STATUS	FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1300-EW	



LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- BOUNDARIES
- DESIGN CONTOURS (1.0m INTERVAL)
- RETAINING WALL HEIGHT UNDER 1.0m
- RETAINING WALL HEIGHT 1.0m-1.5m
- RETAINING WALL HEIGHT 1.5m-2.0m
- RETAINING WALL HEIGHT 2.0m-2.5m
- RETAINING WALL HEIGHT 2.5m-3.0m
- RETAINING WALL HEIGHT OVER 3.0m
- EXISTING RETAINING WALL
- CULVERT HEADWALL HEIGHT 4.0m-5.0m
- RE SLOPE (1V:2H) PLANTED BATTER

NOTES:

- ALL AREAS AND DIMENSIONS ARE SUBJECT TO FINAL SURVEY
- SCHEME PLAN IS SUBJECT TO COUNCIL APPROVAL
- ALL ROADS TO VEST IN AUCKLAND COUNCIL
- ALL ACCESSWAYS TO VEST IN AUCKLAND COUNCIL
- LOT 8 DP 136559 COMPRISED IN CT NA80C/106 IS SUBJECT TO SECTION 206 LAND ACT 1924

REVISION DETAILS		BY	DATE
1	FOR CONSENT	MW	FEB 2025

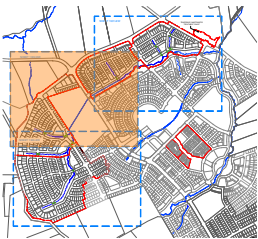
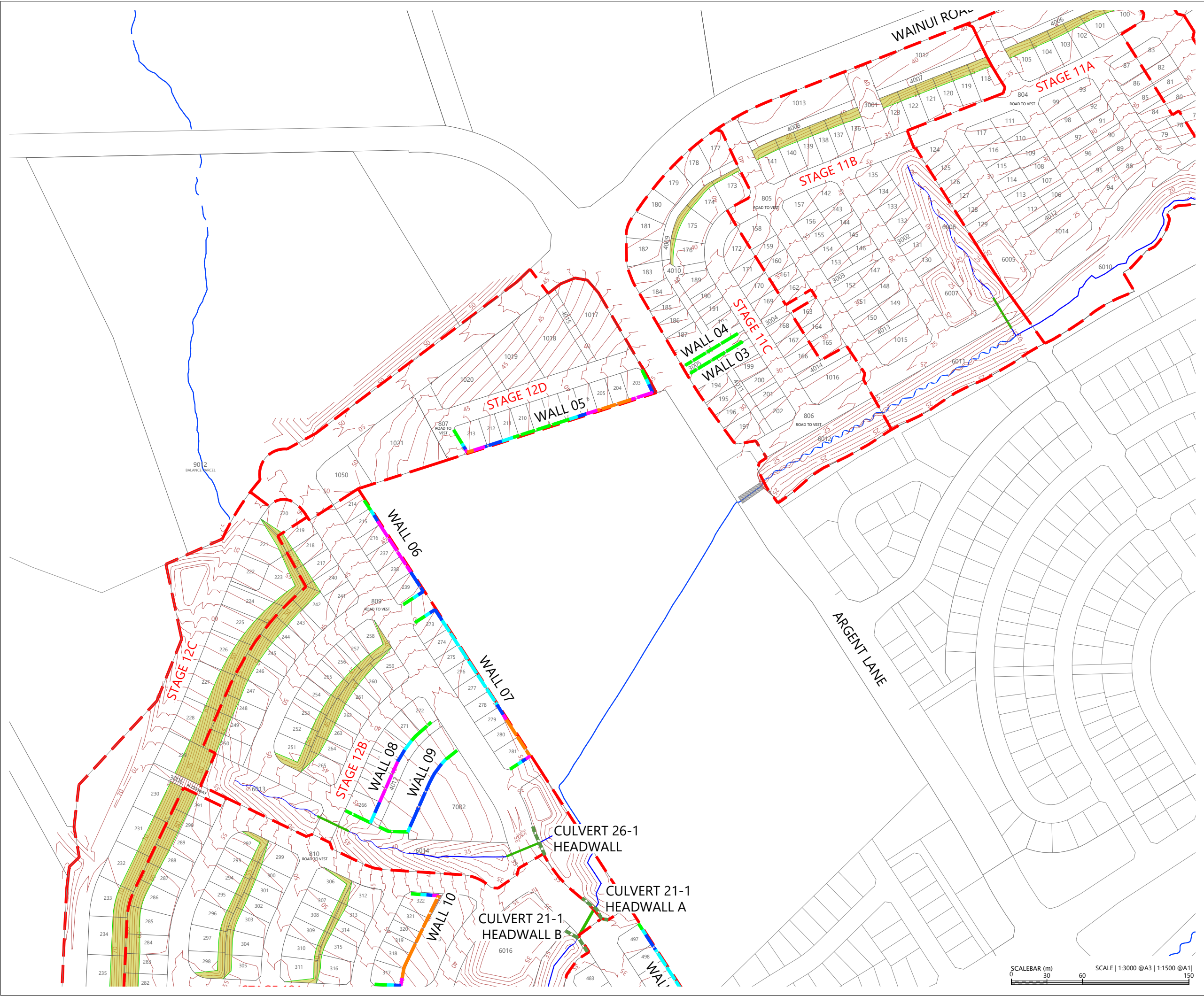
SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE
FAST TRACK
STAGES 10 - 13
RETAINING WALL LAYOUT PLAN
SHEET 1

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1301-EW	





LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- BOUNDARIES
- DESIGN CONTOURS (1.0m INTERVAL)
- RETAINING WALL HEIGHT UNDER 1.0m
- RETAINING WALL HEIGHT 1.0m-1.5m
- RETAINING WALL HEIGHT 1.5m-2.0m
- RETAINING WALL HEIGHT 2.0m-2.5m
- RETAINING WALL HEIGHT 2.5m-3.0m
- RETAINING WALL HEIGHT OVER 3.0m
- EXISTING RETAINING WALL
- CULVERT HEADWALL HEIGHT 4.0m-5.0m
- RE SLOPE (1V:2H) PLANTED BATTER

NOTES:

- ALL AREAS AND DIMENSIONS ARE SUBJECT TO FINAL SURVEY
- SCHEME PLAN IS SUBJECT TO COUNCIL APPROVAL
- ALL ROADS TO VEST IN AUCKLAND COUNCIL
- ALL ACCESSWAYS TO VEST IN AUCKLAND COUNCIL
- LOT 8 DP 136559 COMPRISED IN CT NA80C/106 IS SUBJECT TO SECTION 206 LAND ACT 1924

REVISION DETAILS		BY	DATE
1	FOR CONSENT	MW	FEB 2025

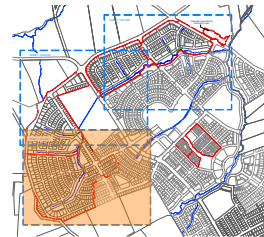
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DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE
FAST TRACK
STAGES 10 - 13
RETAINING WALL LAYOUT PLAN
SHEET 2

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1302-EW	





LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- BOUNDARIES
- DESIGN CONTOURS (1.0m INTERVAL)
- RETAINING WALL HEIGHT UNDER 1.0m
- RETAINING WALL HEIGHT 1.0m-1.5m
- RETAINING WALL HEIGHT 1.5m-2.0m
- RETAINING WALL HEIGHT 2.0m-2.5m
- RETAINING WALL HEIGHT 2.5m-3.0m
- RETAINING WALL HEIGHT OVER 3.0m
- EXISTING RETAINING WALL
- CULVERT HEADWALL HEIGHT 4.0m-5.0m
- RE SLOPE (1V:2H) PLANTED BATTER

NOTES:

- ALL AREAS AND DIMENSIONS ARE SUBJECT TO FINAL SURVEY
- SCHEME PLAN IS SUBJECT TO COUNCIL APPROVAL
- ALL ROADS TO VEST IN AUCKLAND COUNCIL
- ALL ACCESSWAYS TO VEST IN AUCKLAND COUNCIL
- LOT 8 DP 136559 COMPRISED IN CT NA80C/106 IS SUBJECT TO SECTION 206 LAND ACT 1924

REVISION DETAILS		BY	DATE
1	FOR CONSENT	MW	FEB 2025

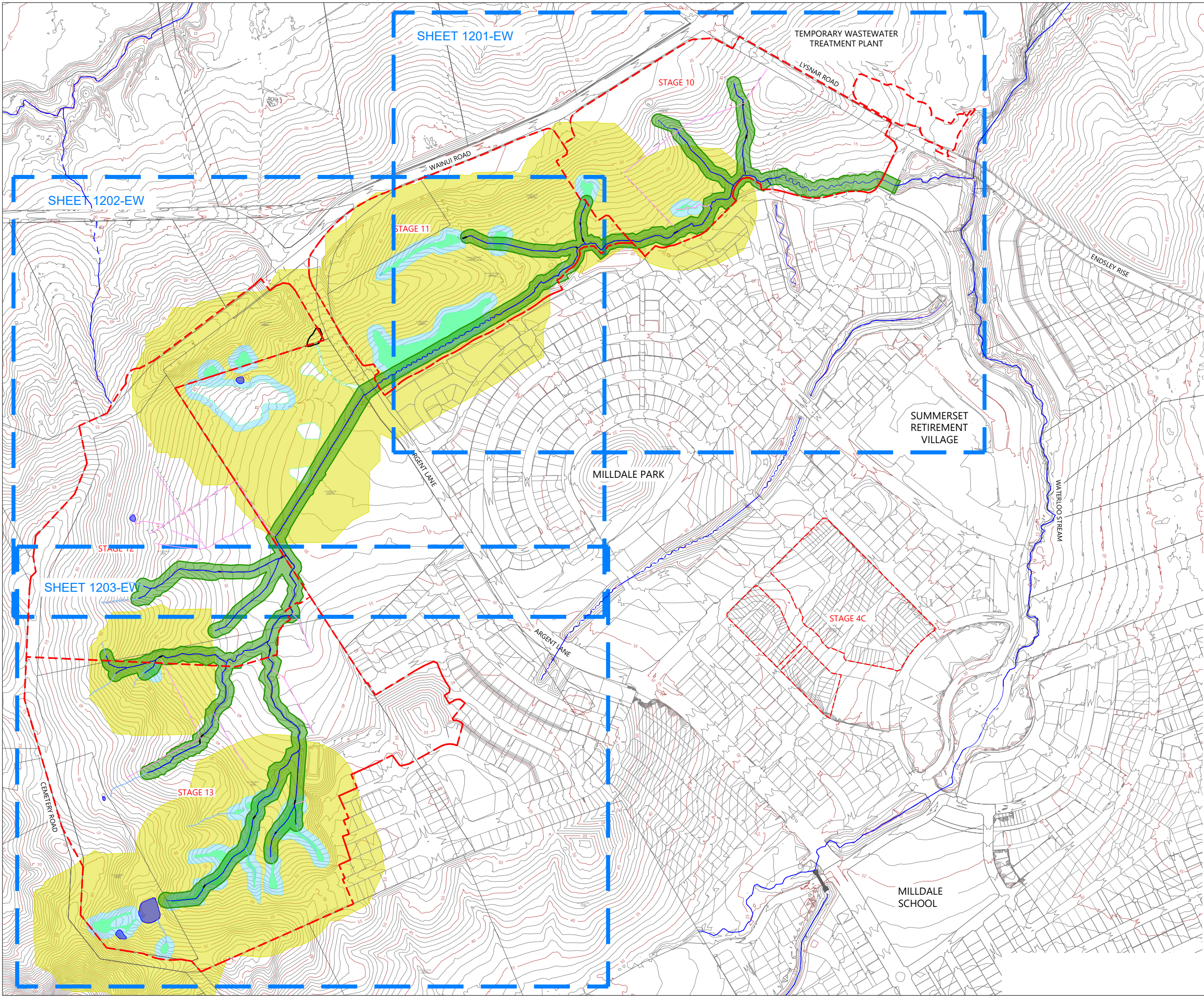
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DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	WOODS.CO.NZ
APPROVED	JW	














MILLDALE
FAST TRACK
STAGES 10 - 13
RETAINING WALL LAYOUT PLAN
SHEET 3

STATUS	FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1303-EW	





LEGEND

- EXTENTS OF FAST TRACK APPLICATION 
- EXISTING STREAMS
PERMANENT & INTERMITTENT 
RIPARIAN MARGINS (10m) 
- EXISTING EPHEMERAL STREAMS 
- EXISTING ARTIFICIAL DRAINS 
- EXISTING FARM PONDS 
- WETLANDS 
WETLAND BUFFER (10m) 
WETLAND 100m OFFSET 
- POTENTIAL WETLANDS ON ADJACENT LAND 
- WETLAND TO BE RECLAIMED UNDER EXISTING CONSENT 

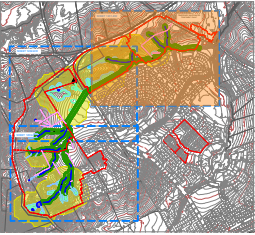
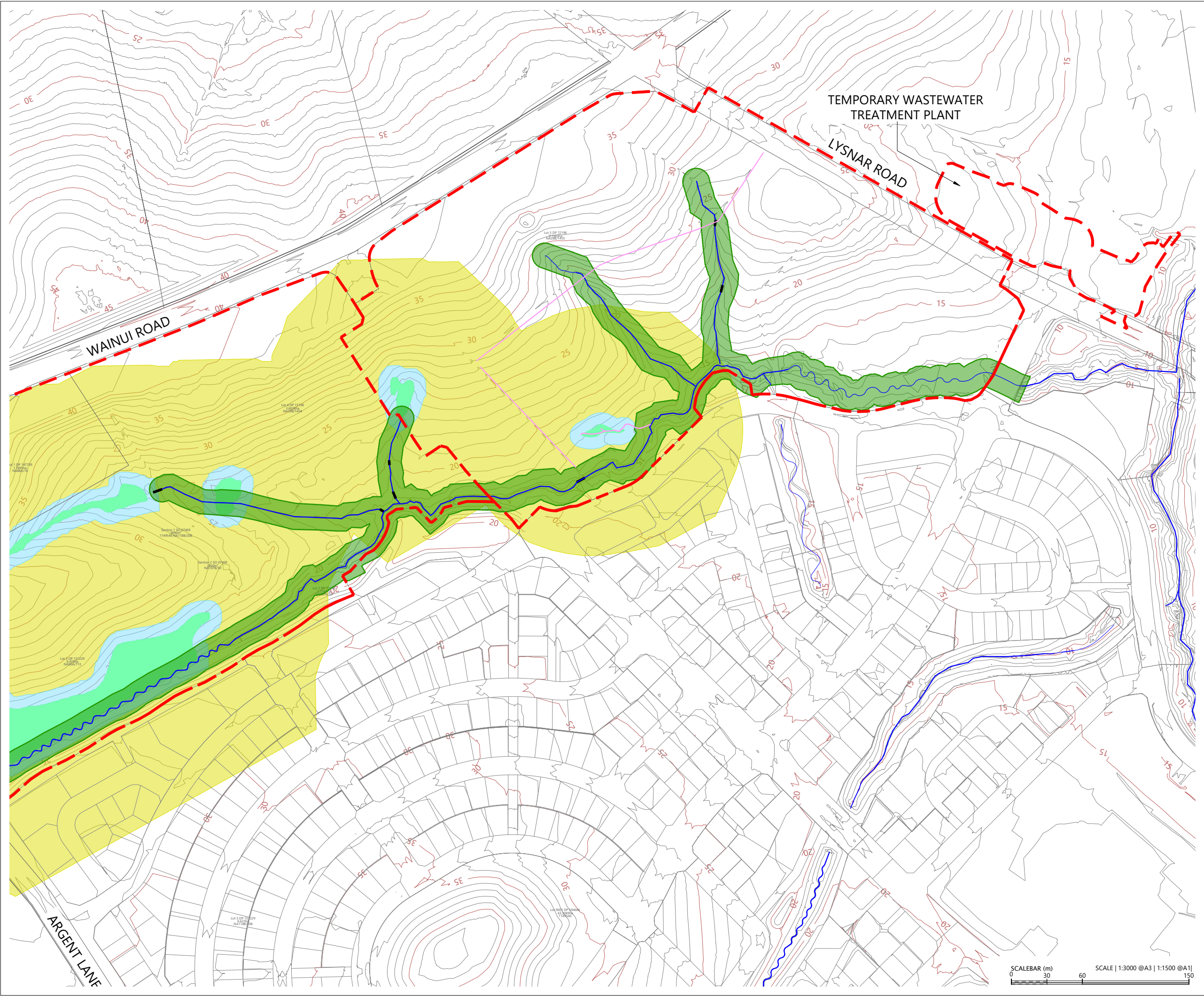
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND WOODS.CO.NZ
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	



**MILLDALE
FAST TRACK
STAGES 10 - 13
ECOLOGICAL FEATURES
PLAN
OVERALL PLAN**

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1400-EW	



LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- EXISTING STREAMS
PERMANENT & INTERMITTENT
RIPARIAN MARGINS (10m)
- EXISTING EPHEMERAL STREAMS
- EXISTING ARTIFICIAL DRAINS
- EXISTING FARM PONDS
- WETLANDS
- WETLAND BUFFER (10m)
- WETLAND 100m OFFSET
- POTENTIAL WETLANDS ON ADJACENT LAND
- WETLAND TO BE RECLAIMED UNDER
EXISTING CONSENT

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

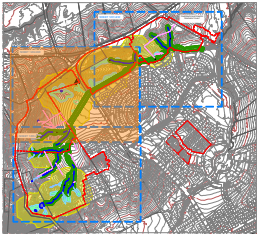
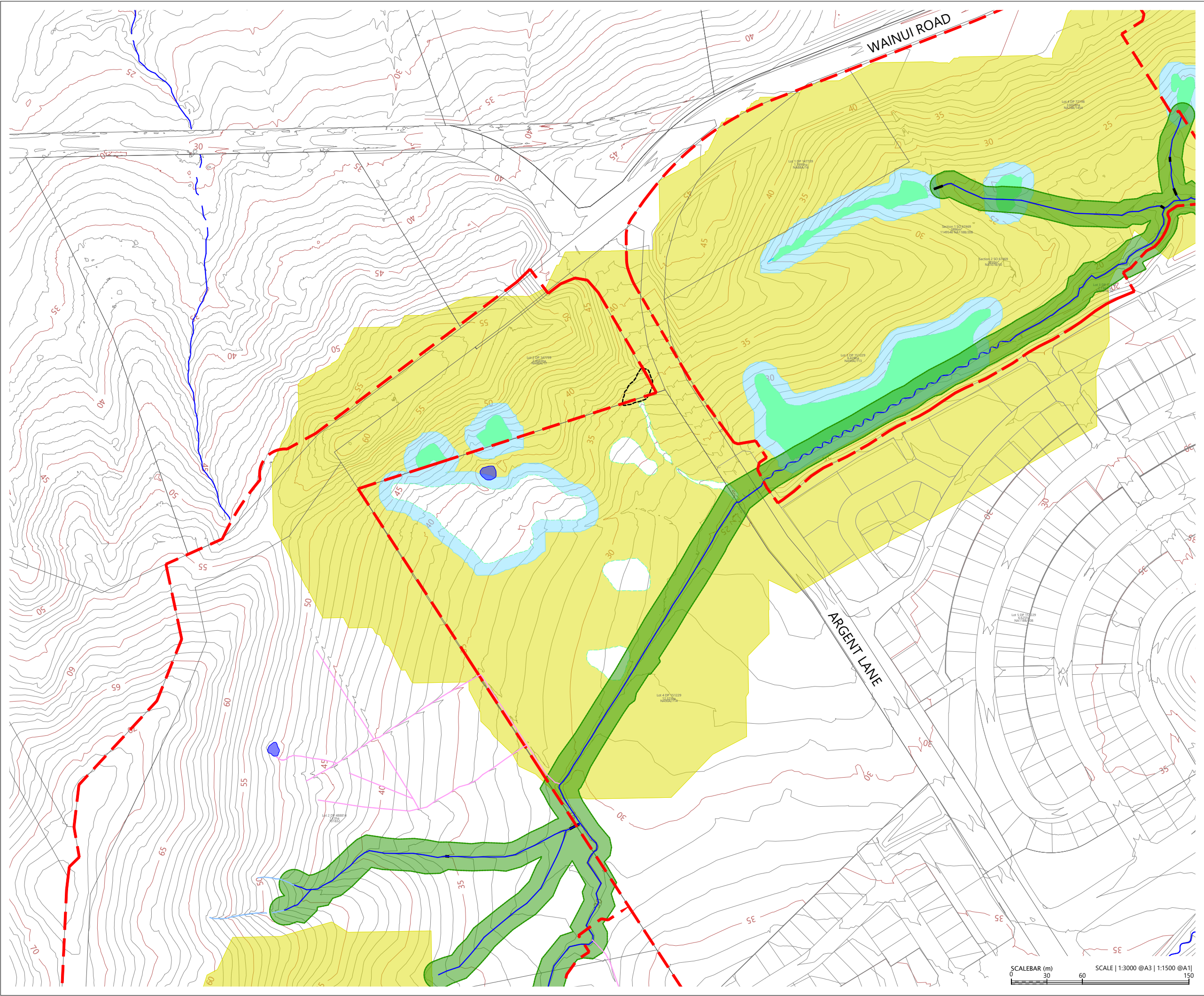
SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE
FAST TRACK
STAGES 10 - 13
ECOLOGICAL FEATURES
PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1401-EW	





LOCALITY PLAN
N.T.S



LEGEND

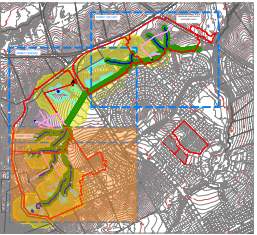
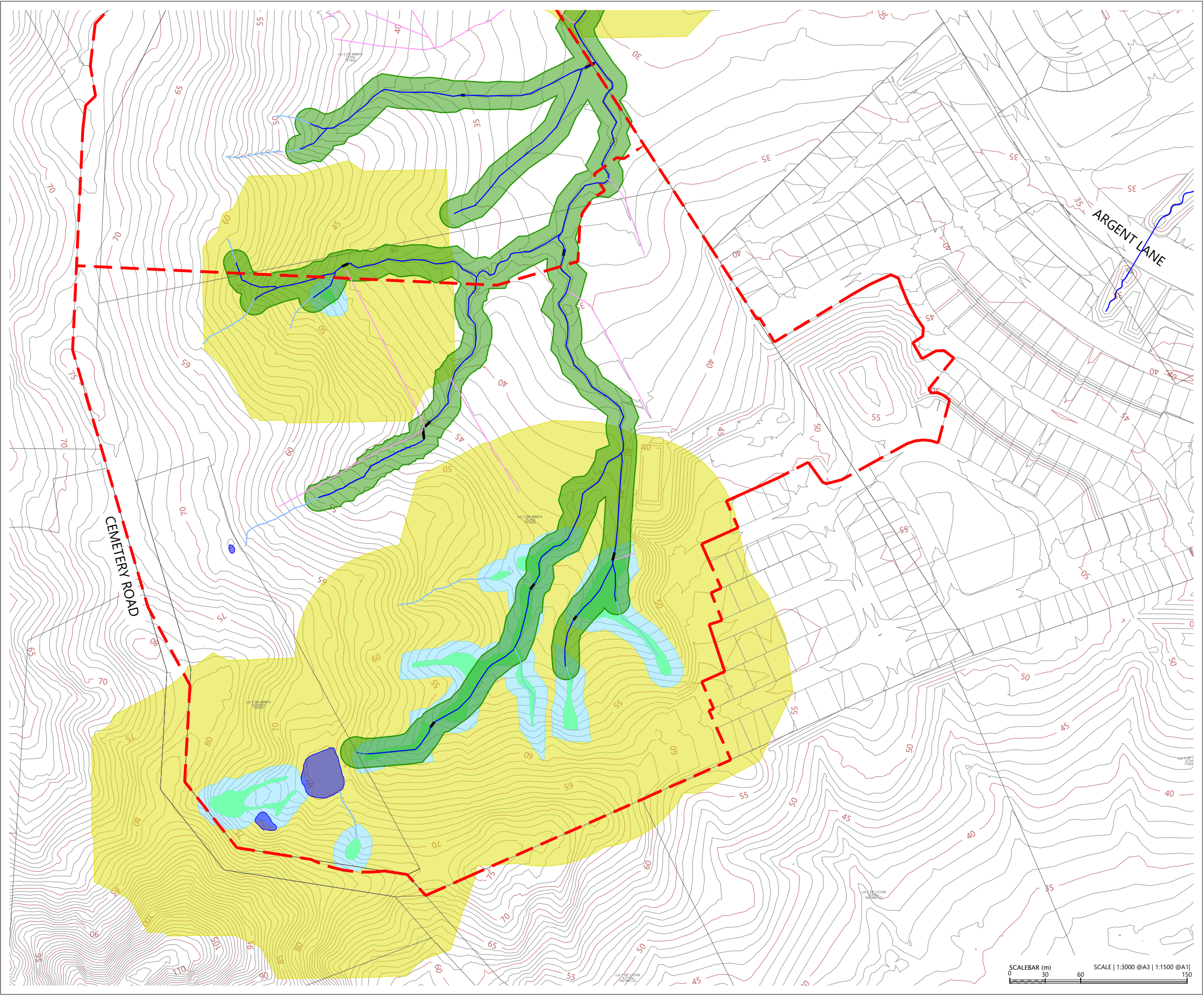
- EXTENTS OF FAST TRACK APPLICATION
- EXISTING STREAMS
PERMANENT & INTERMITTENT
RIPARIAN MARGINS (10m)
- EXISTING EPHEMERAL STREAMS
- EXISTING ARTIFICIAL DRAINS
- EXISTING FARM PONDS
- WETLANDS
WETLAND BUFFER (10m)
WETLAND 100m OFFSET
- POTENTIAL WETLANDS ON ADJACENT LAND
- WETLAND TO BE RECLAIMED UNDER
EXISTING CONSENT

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
ECOLOGICAL FEATURES
PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1402-EW	



LOCALITY PLAN
N.T.S



LEGEND

- EXTENTS OF FAST TRACK APPLICATION
- EXISTING STREAMS
PERMANENT & ITERMITTENT
RIPARIAN MARGINS (10m)
- EXISTING EPHEMERAL STREAMS
- EXISTING ARTIFICIAL DRAINS
- EXISTING FARM PONDS
- WETLANDS
- WETLAND BUFFER (10m)
- WETLAND 100m OFFSET
- POTENTIAL WETLANDS ON ADJACENT LAND
- WETLAND TO BE RECLAIMED UNDER
EXISTING CONSENT

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 25

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ



MILLDALE
FAST TRACK
STAGES 10 - 13
ECOLOGICAL FEATURES
PLAN
SHEET 3

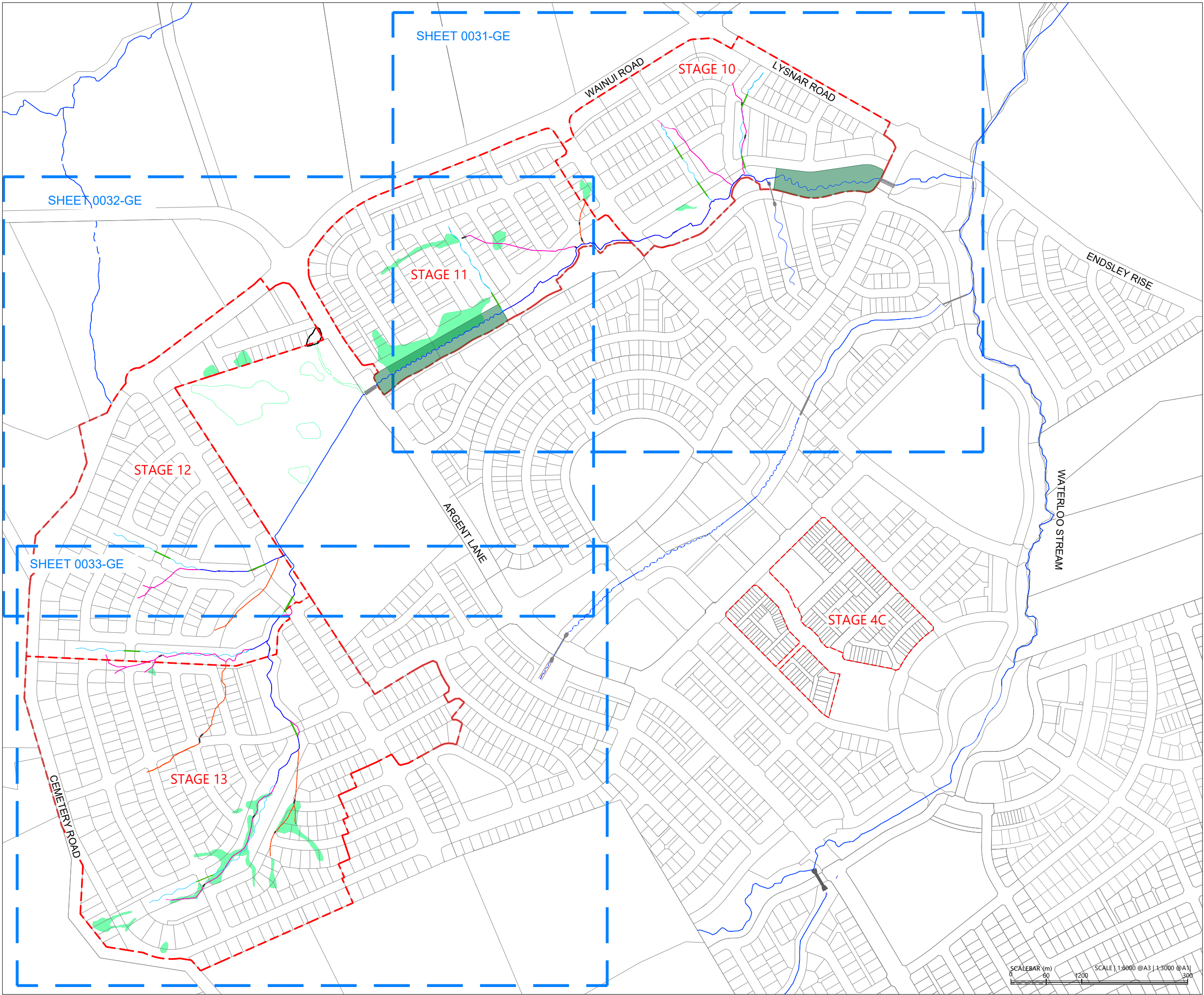
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SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1403-EW	





Plot Date: 3:05:00 pm, 22 February 2025, JAMIEW

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LEGEND:

- EXTENTS OF FAST TRACK APPLICATION BOUNDARY
- EXISTING STREAM TO BE RETAINED
- EXISTING STREAM TO BE DIVERTED
- PROPOSED STREAM DIVERSION
- EXISTING STREAM REMOVED
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET
- POTENTIAL WETLAND ON NEIGHBOURING PROPERTY
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET UNDER EXISTING CONSENT (BUN60393113)
- MITIGATION PLANTING ALLOCATED TO EXISTING CONSENTS

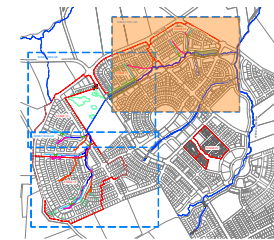
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 2025
2			

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ

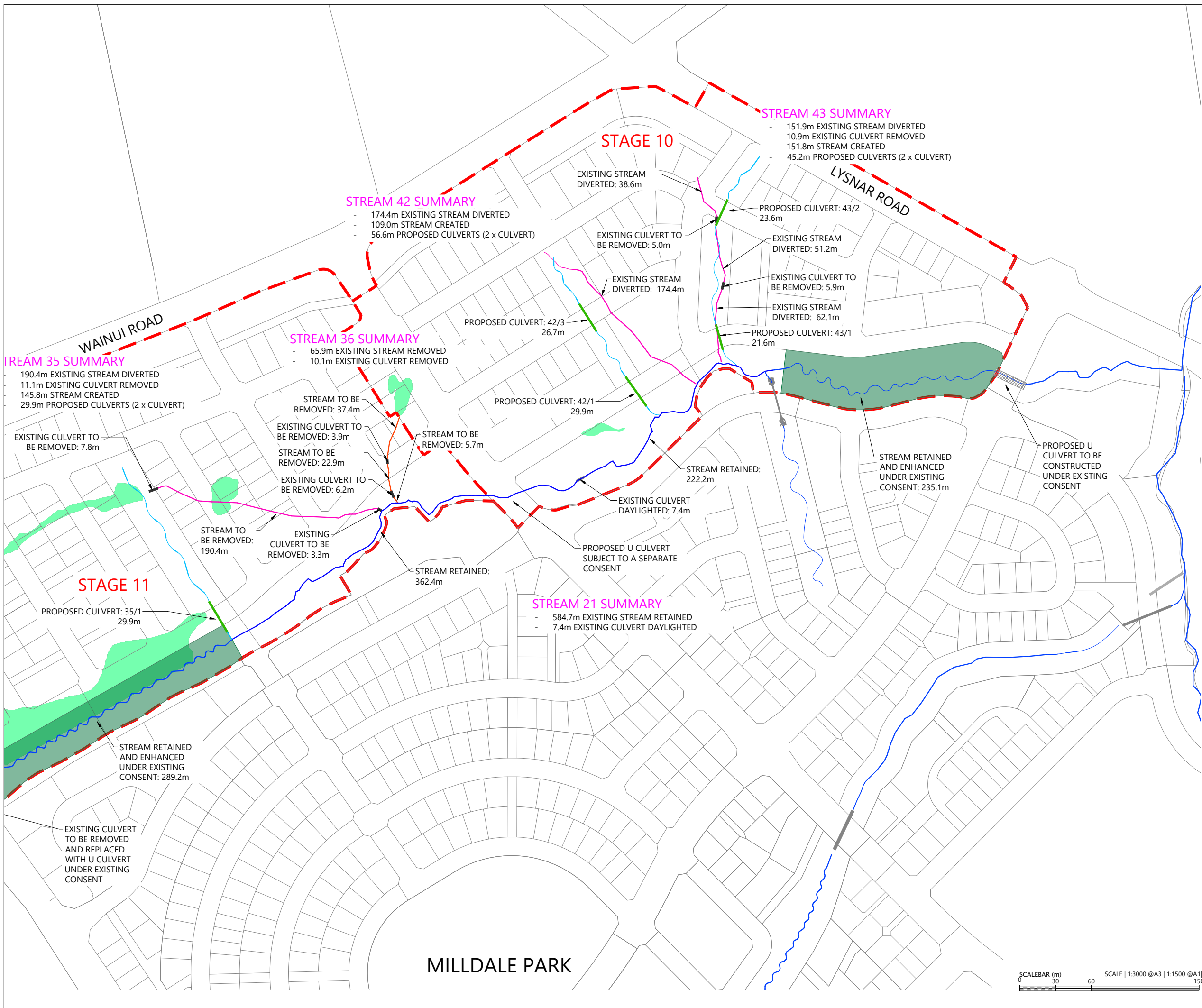
MILLDALE
FAST TRACK
STAGES 10 - 13

STREAMWORKS PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1450-EW	



LOCALITY PLAN
N.T.S



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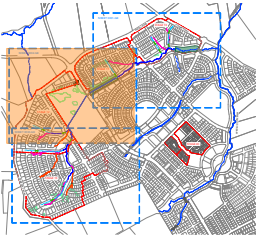
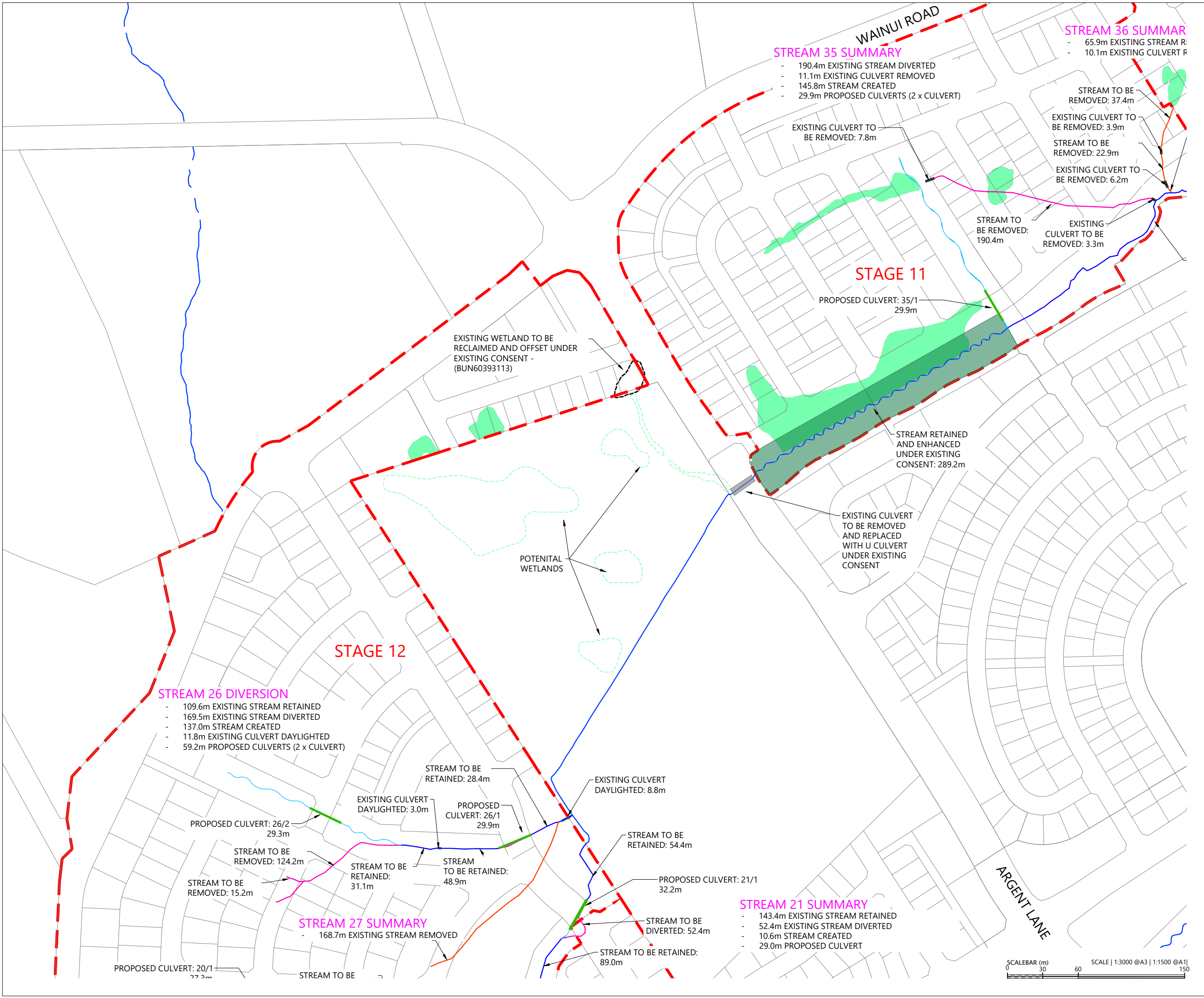
- EXTENTS OF FAST TRACK APPLICATION
- BOUNDARY
- EXISTING STREAM TO BE RETAINED
- EXISTING STREAM TO BE DIVERTED
- PROPOSED STREAM DIVERSION
- EXISTING STREAM REMOVED
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET
- POTENTIAL WETLAND ON NEIGHBOURING PROPERTY
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET UNDER EXISTING CONSENT (BUN60393113)
- MITIGATION PLANTING ALLOCATED TO EXISTING CONSENTS

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 2025

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
STREAMWORKS PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1451-EW	



LOCALITY PLAN
N.T.S



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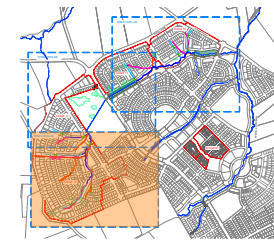
- EXTENTS OF FAST TRACK APPLICATION
- BOUNDARY
- EXISTING STREAM TO BE RETAINED
- EXISTING STREAM TO BE DIVERTED
- PROPOSED STREAM DIVERSION
- EXISTING STREAM REMOVED
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET
- POTENTIAL WETLAND ON NEIGHBOURING PROPERTY
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET UNDER EXISTING CONSENT (BUN60393113)
- MITIGATION PLANTING ALLOCATED TO EXISTING CONSENTS

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 2025

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
FAST TRACK
STAGES 10 - 13
STREAMWORKS PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1452-EW	



LOCALITY PLAN
N.T.S



LEGEND:

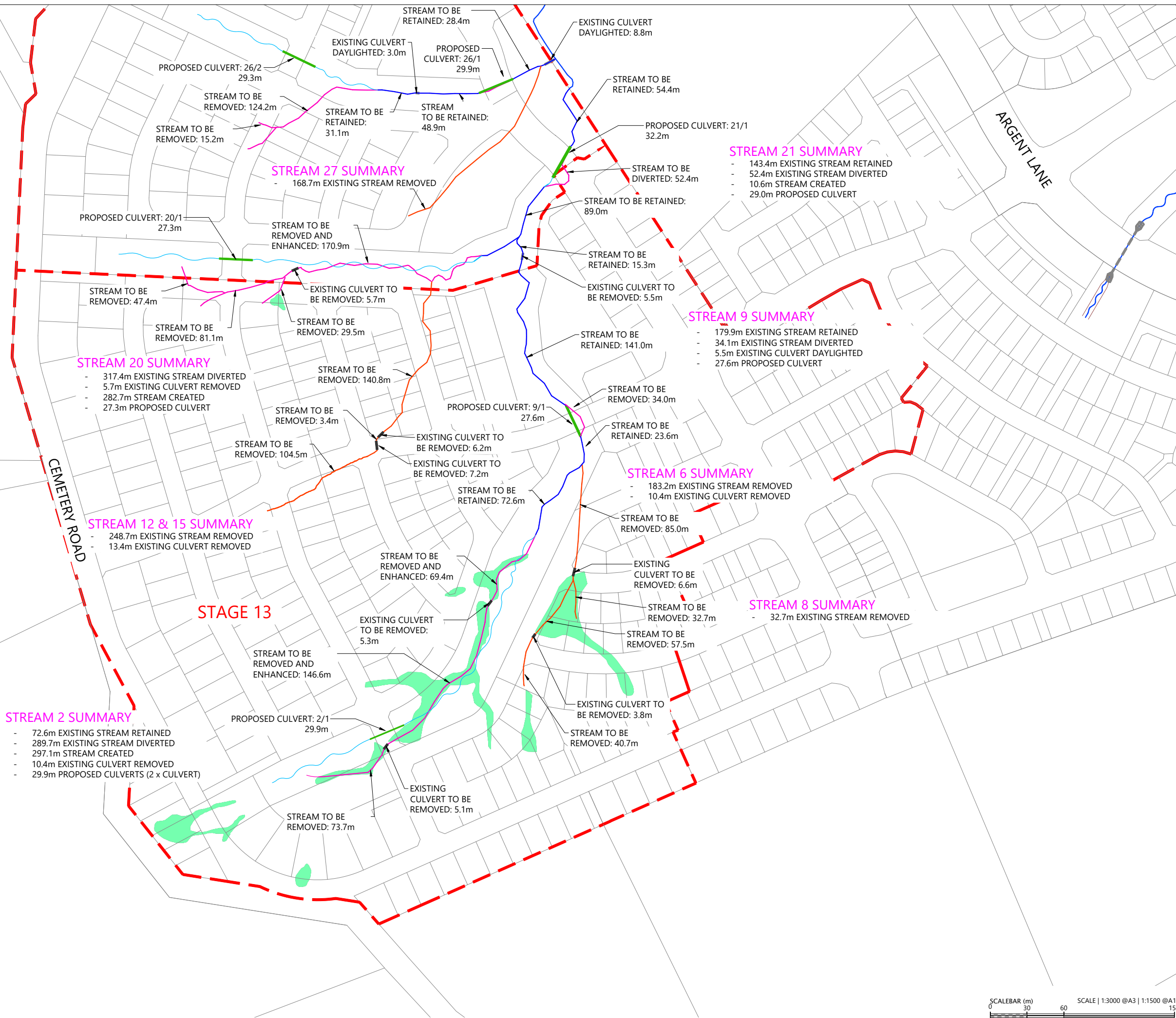
- EXTENTS OF FAST TRACK APPLICATION
BOUNDARY
- EXISTING STREAM TO BE RETAINED
EXISTING STREAM TO BE DIVERTED
PROPOSED STREAM DIVERSION
EXISTING STREAM REMOVED
- EXISTING CULVERT
PROPOSED CULVERT
- EXISTING WETLAND TO BE RECLAIMED AND OFFSET
POTENTIAL WETLAND ON NEIGHBOURING PROPERTY
EXISTING WETLAND TO BE RECLAIMED AND OFFSET UNDER EXISTING CONSENT (BUN60393113)
MITIGATION PLANTING ALLOCATED TO EXISTING CONSENTS

REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	JW	FEB 2025

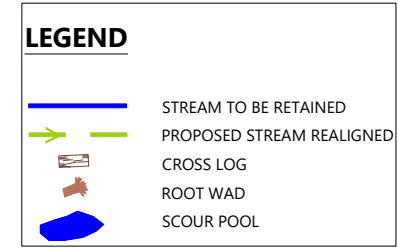
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DESIGNED	WOODS	
DRAWN	JW	
CHECKED	AP	WOODS.CO.NZ
APPROVED	JW	

MILLDALE
FAST TRACK
STAGES 10 - 13
STREAMWORKS PLAN
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1453-EW	



Plot Date: 1:26:56 pm, 27 February 2025, MATTHEW WA



TYPICAL POOL CROSS SECTION
NTS

Labels: DESIGN SURFACE, 3:1, CLAY BACKFILL, 0.43 (VARIES), 1.60 (VARIES), 6.00 (VARIES), 300mm TOPSOIL.

TYPICAL ROOT WAD CROSS SECTION
NTS

Labels: DESIGN SURFACE, 3:1, APPROX 3m LONG, 0.5m DIAMETER TRUNK EMBEDDED MIN 2m INTO EMBANKMENT AT A DOWNWARD ANGLE, EXISTING STREAM BED LEVEL, CLAY BACKFILL, ROOTWADS TO BE INSTALLED WITH A GAP BETWEEN EMBANKMENT AND THE ROOT BALL, MIN. 1m DIAMETER ROOT BALL, 300mm TOPSOIL.

TYPICAL LOG CROSS SECTION
NTS

Labels: DESIGN SURFACE, 3:1, LOGS TO BE BACKFILLED WITH CLAY, 6.00, APPROX 2m EMBEDMENT, APPROX 1m, 0.43, 300mm TOPSOIL.

SURVEYED	WOODS	SIDWELL ROAD WAINUI AUCKLAND
DESIGNED	WOODS	
DRAWN	FA	
CHECKED	JW	
APPROVED	JW	WOODS.CO.NZ



MILLDALE FAST TRACK STAGES 10 - 13

STREAM ENHANCEMENT PLAN WOODY FEATURES AND DETAILS

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:50 @ A3 / 1:25 @ A1	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1455-EW	