



CUT /FILL VOLUMES			
	CUT	FILL	BALANCE
DEVELOPMENT AREAS	-610,534 m³	798,578 m³	188,044 m³ IMPORT

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 WATERCOURSE	---
PROPOSED RETAINING WALL	---

- 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 FILL 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.
 - REFER TO P25-609-03 FOR DETAILS ON WATER INFRASTRUCTURE AND ASSOCIATED EARTHWORKS
 - 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

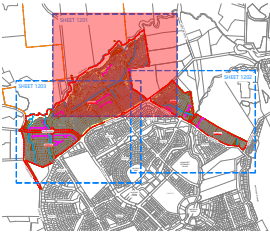
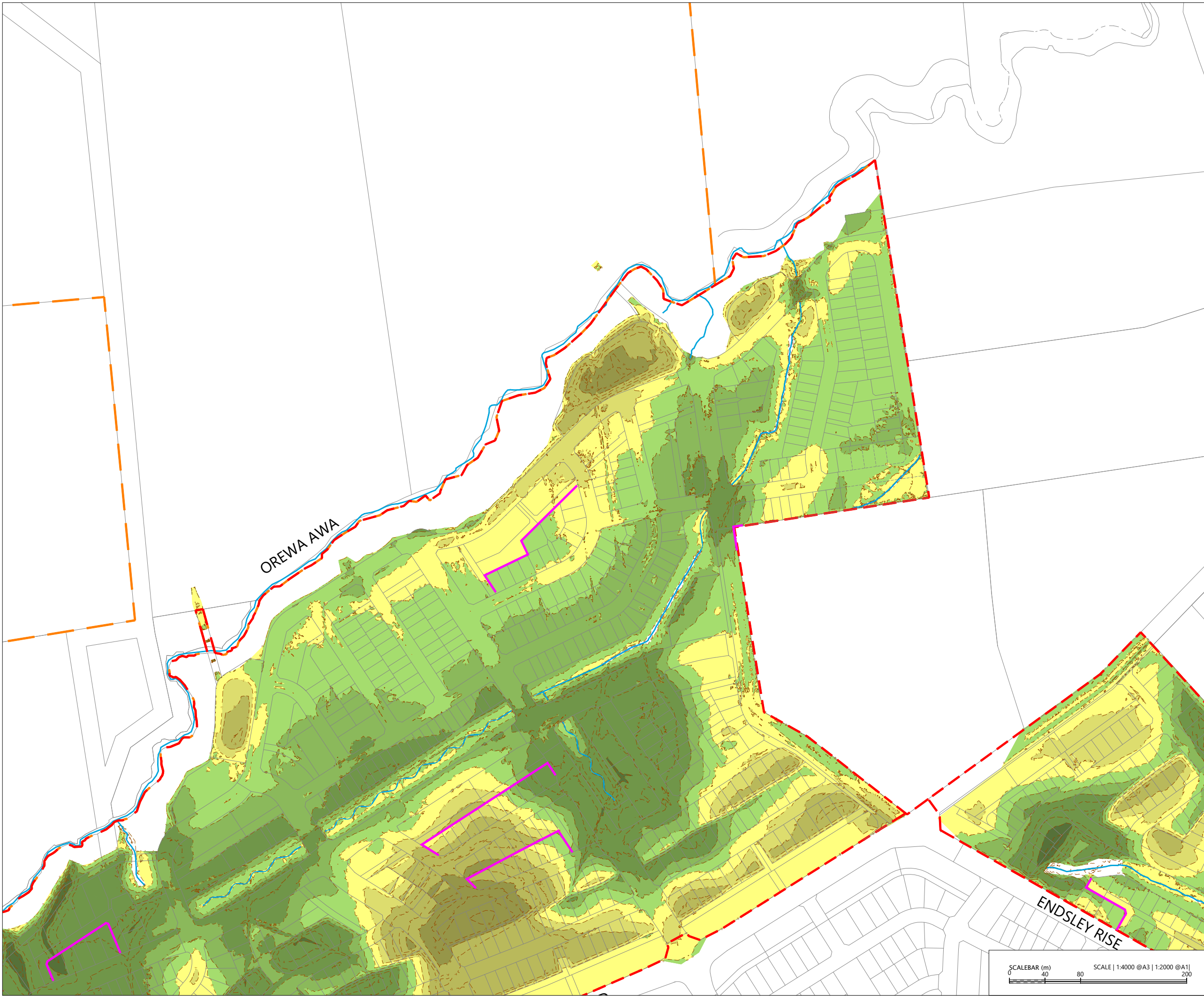
MILLDALE STAGES 14-17 FAST-TRACK

PHASE 1: CUT FILL LAYOUT OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1200-EW	



File: C:\1205\DATA\WP-AKL-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_23695\02 DRAWINGS\01 ENG\01 PHASE 1 - DEVELOPMENT AREA\P25-609-01-1200-EW-CUT FILL PLANDWG



CUT /FILL VOLUMES			
	CUT	FILL	BALANCE
DEVELOPMENT AREAS	-610,534 m³	798,578 m³	188,044 m³ IMPORT

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	Yellow
AREAS OF FILL	Green
POST-DEVELOPMENT WATERCOURSE	Blue
PROPOSED RETAINING WALL	Magenta

NOTES

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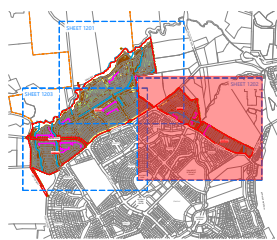
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

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

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: CUT FILL
LAYOUT PLAN
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1201-EW	





KEY PLAN
SCALE 1:80000@A3



CUT /FILL VOLUMES			
	CUT	FILL	BALANCE
DEVELOPMENT AREAS	-610,534 m³	798,578 m³	188,044 m³ IMPORT

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	Yellow
AREAS OF FILL	Green
POST-DEVELOPMENT WATERCOURSE	Blue
PROPOSED RETAINING WALL	Magenta

NOTES

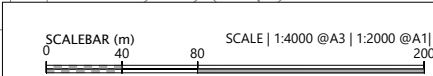
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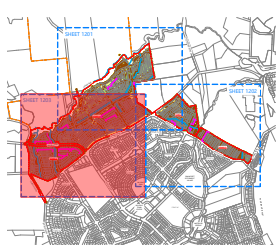
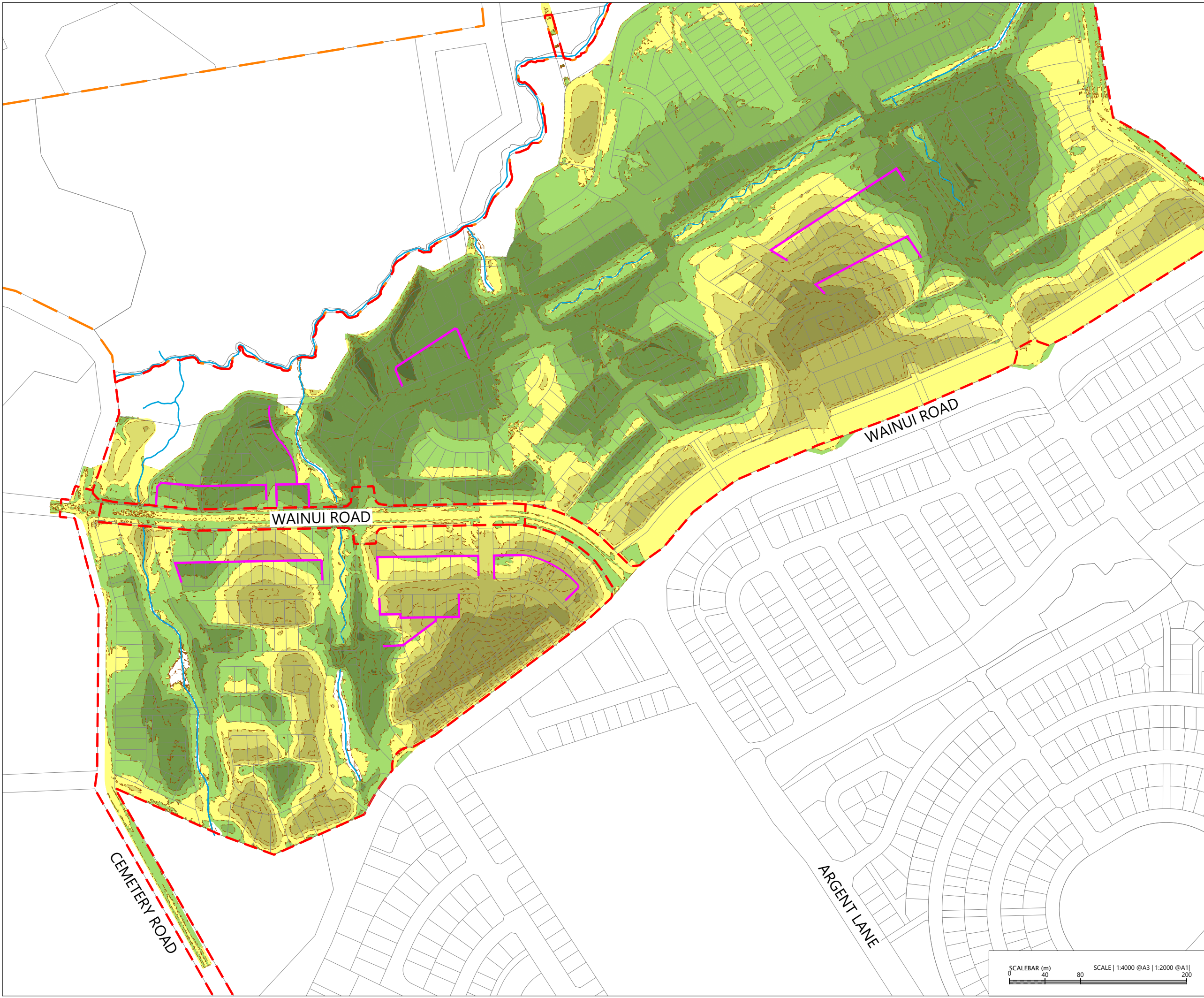
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

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

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: CUT FILL
LAYOUT PLAN
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1202-EW	





CUT / FILL VOLUMES			
	CUT	FILL	BALANCE
DEVELOPMENT AREAS	-610,534 m³	798,578 m³	188,044 m³ IMPORT

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 WATERCOURSE	
PROPOSED RETAINING WALL	

- NOTES**
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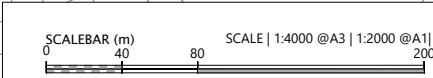
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

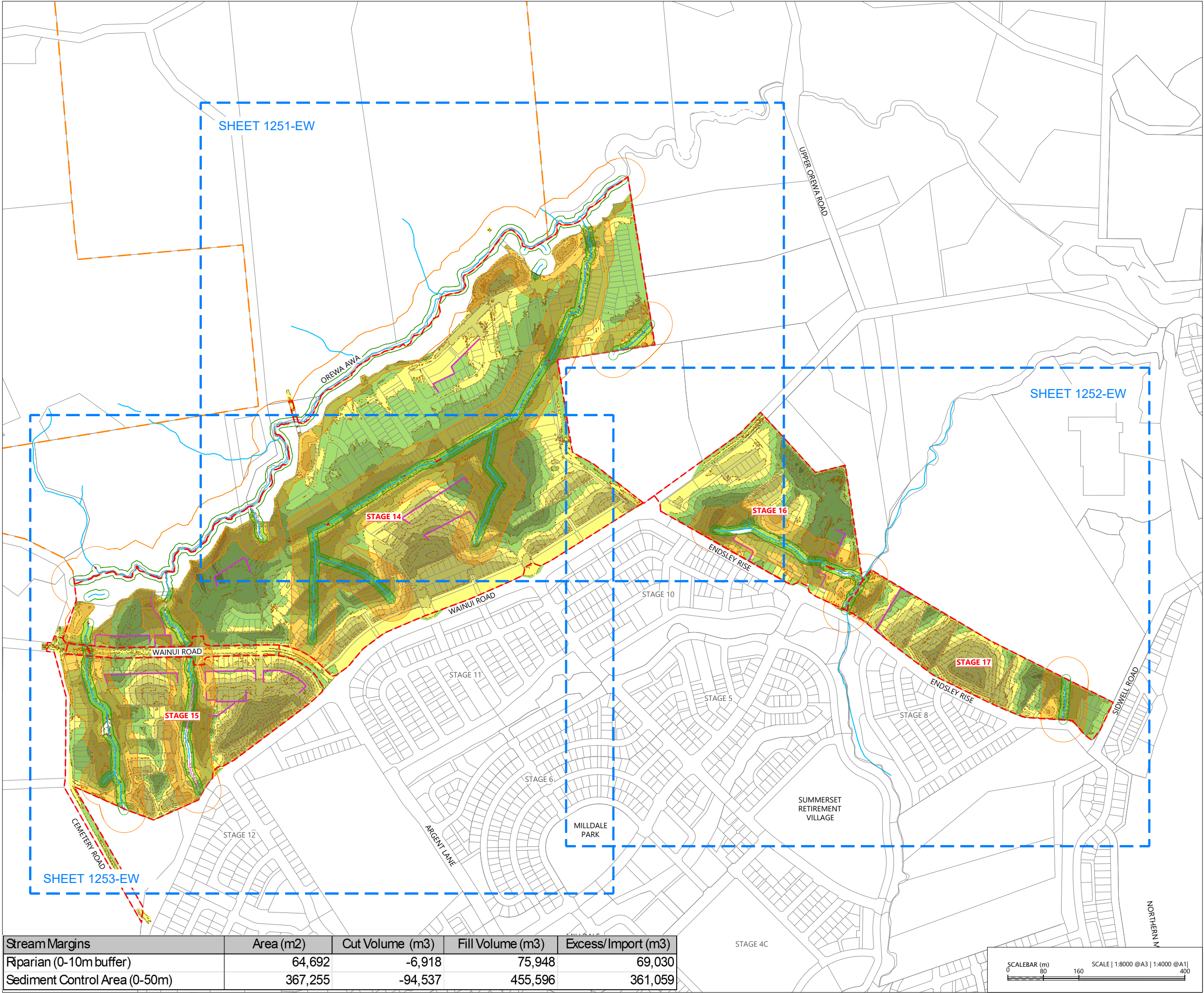
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

**MILLDALE
STAGES 14-17
FAST-TRACK**

**PHASE 1: CUT FILL
LAYOUT PLAN
SHEET 3**

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1203-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
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- RIPARIAN MARGINS (10m)
- SEDIMENT CONTROL AREAS (50m)

NOTES:

- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
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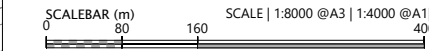
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

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

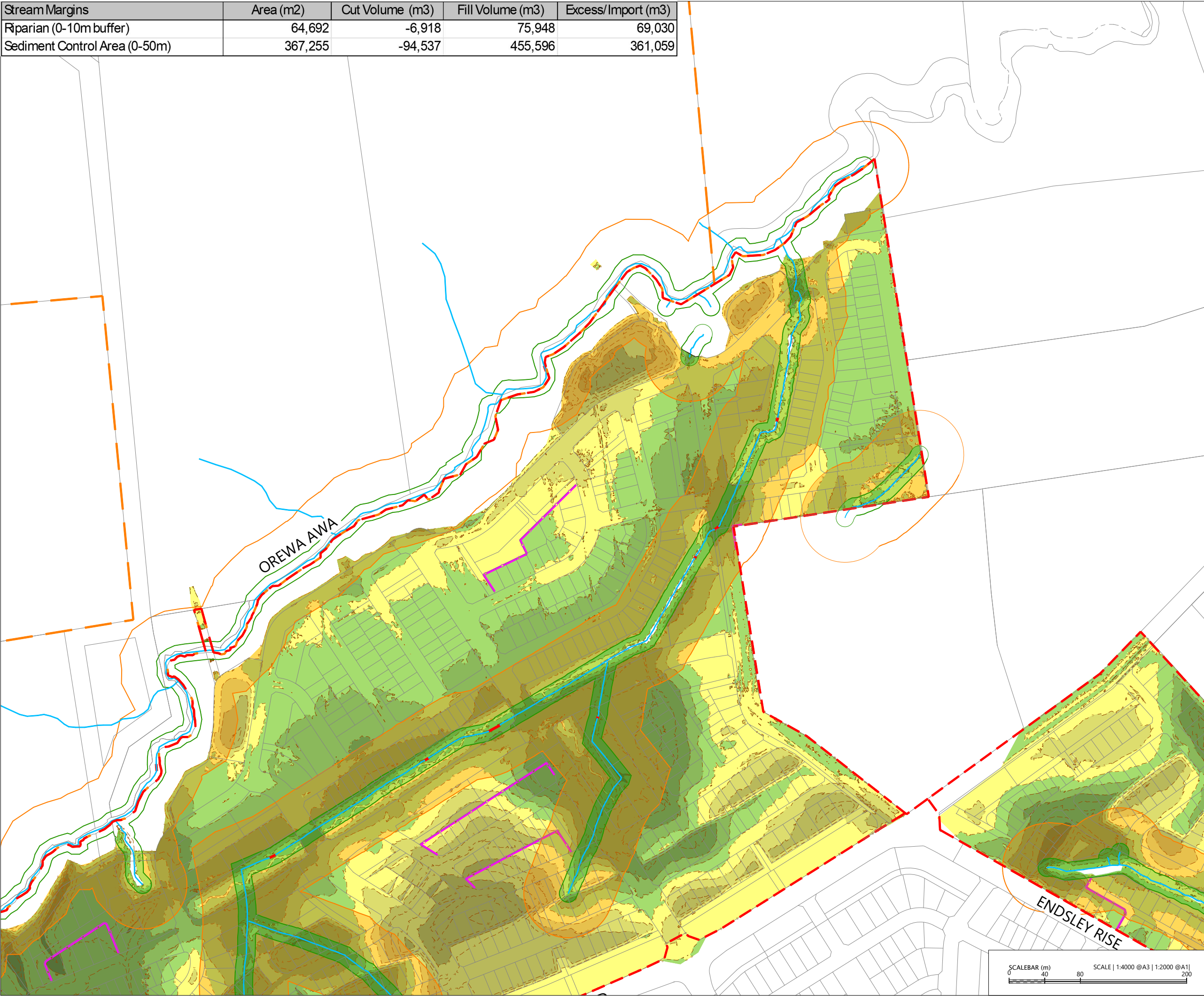
MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: EARTHWORKS
IN STREAM MARGINS
OVERALL PLAN

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1250-EW	

Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Riparian (0-10m buffer)	64,692	-6,918	75,948	69,030
Sediment Control Area (0-50m)	367,255	-94,537	455,596	361,059



Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Riparian (0-10m buffer)	64,692	-6,918	75,948	69,030
Sediment Control Area (0-50m)	367,255	-94,537	455,596	361,059



LEGEND

EXTENTS OF MILLDALE STAGES 14-17 DEVELOPMENT AREA	
EXTENTS OF TE KOROWAI O MARAE ARIKI	
CUT / FILL CONTOURS (1m)	
CUT / FILL LINE	
AREAS OF CUT	
AREAS OF FILL	
EXISTING STREAMS	
PROPOSED RETAINING WALL	
RIPARIAN MARGINS (10m)	
SEDIMENT CONTROL AREAS (50m)	

NOTES:

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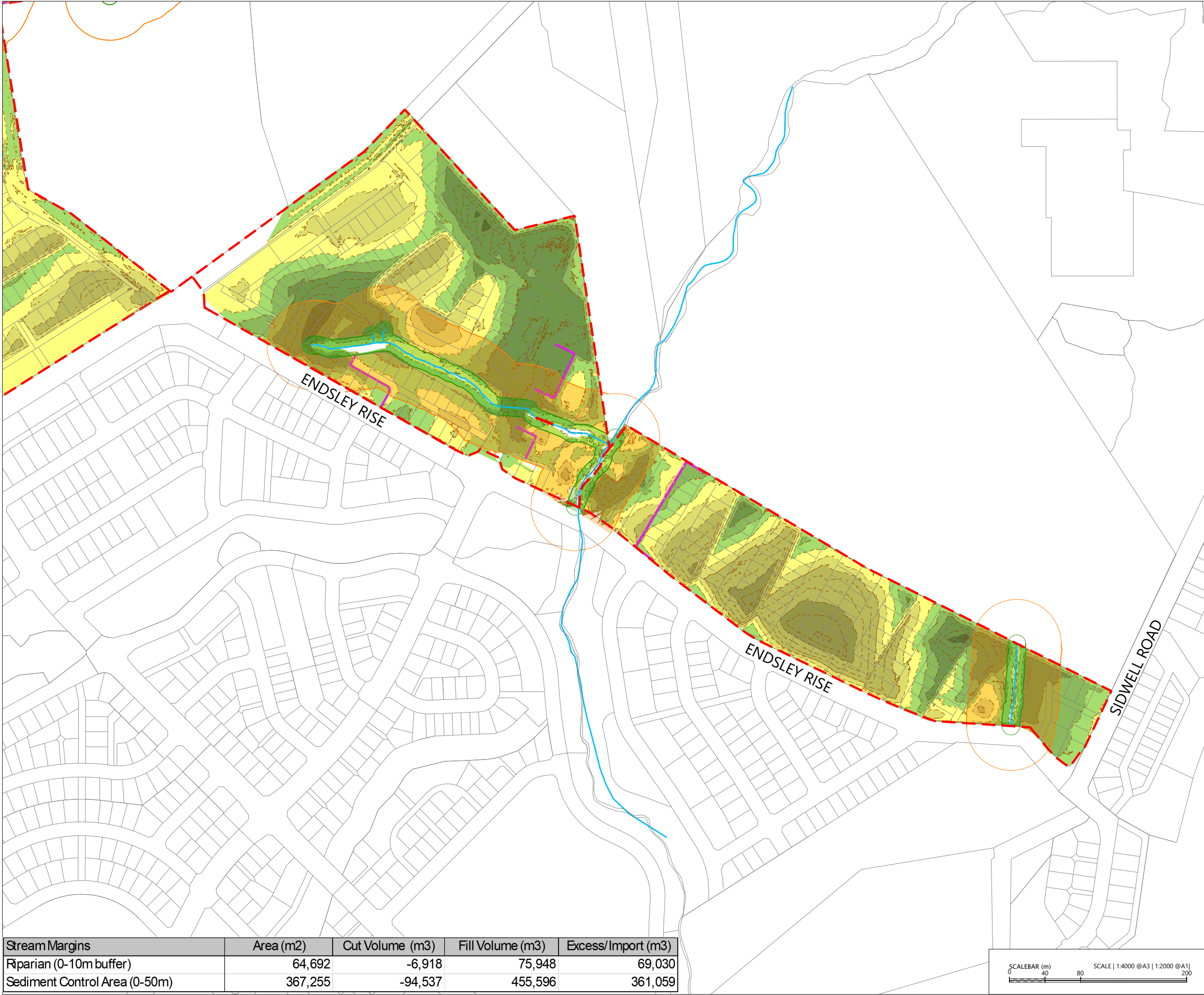
REVISION DETAILS	BY	DATE
1 ISSUED FOR CONSENT	SK	AUG 2026

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

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: EARTHWORKS
IN STREAM MARGINS
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1251-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
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- RIPARIAN MARGINS (10m)
- SEDIMENT CONTROL AREAS (50m)

NOTES:

- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
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REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

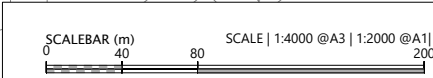
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
STAGES 14-17
FAST-TRACK

PHASE 1: EARTHWORKS
IN STREAM MARGINS
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1252-EW	

Stream Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Riparian (0-10m buffer)	64,692	-6,918	75,948	69,030
Sediment Control Area (0-50m)	367,255	-94,537	455,596	361,059



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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
EXISTING STREAMS
PROPOSED RETAINING WALL
RIPARIAN MARGINS (10m)
SEDIMENT CONTROL AREAS (50m)

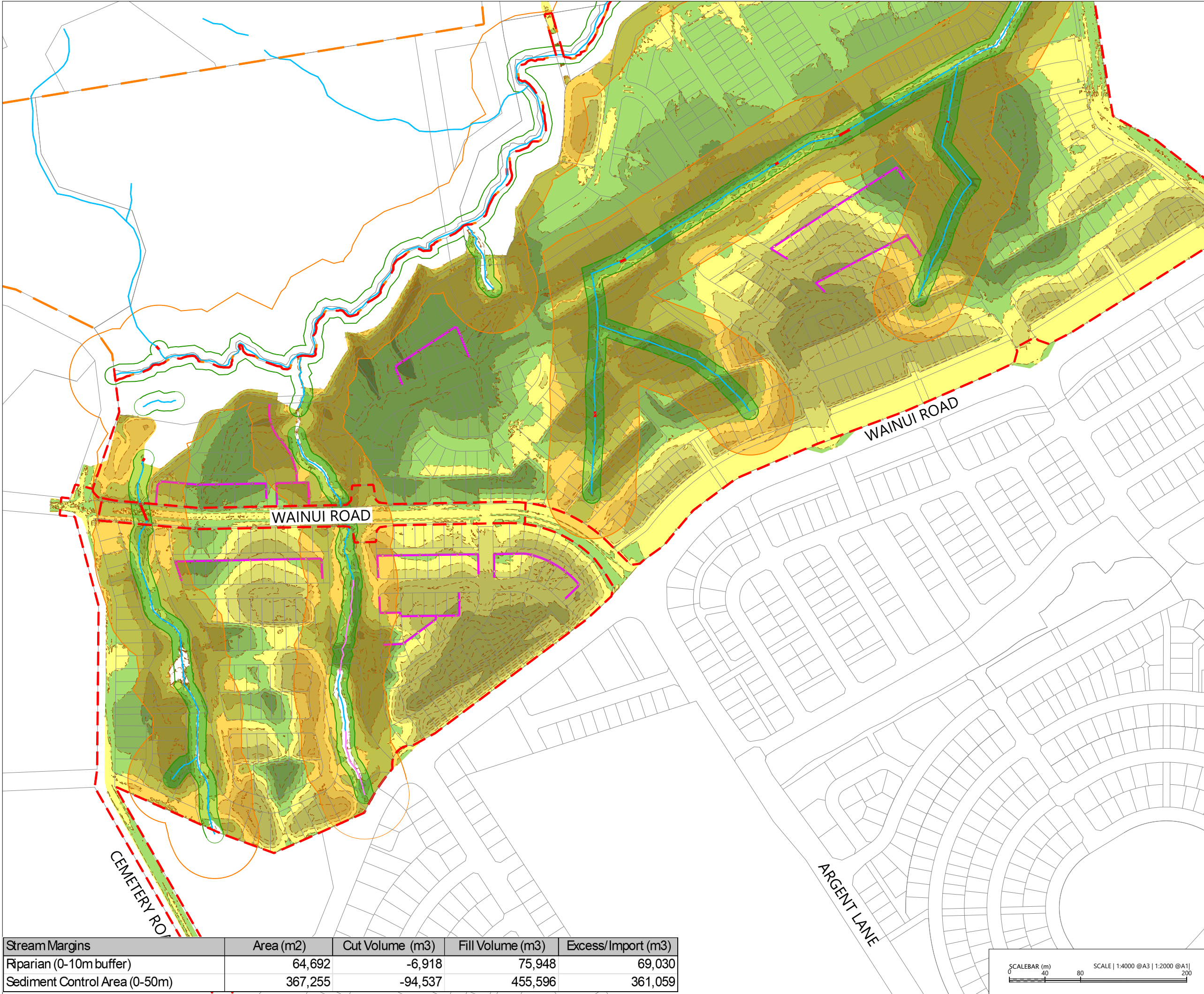
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REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

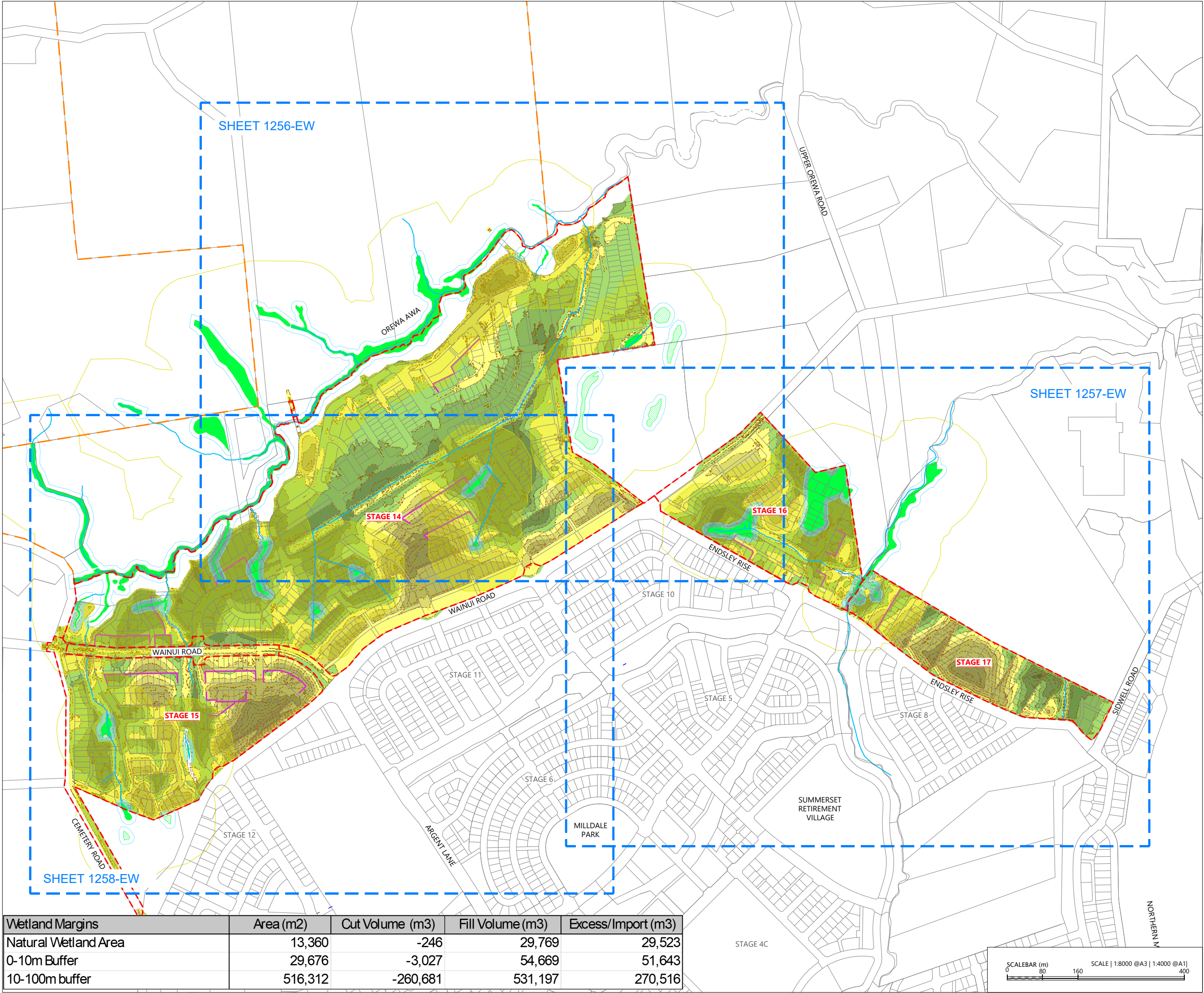
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: EARTHWORKS
IN STREAM MARGINS
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1253-EW	



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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
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- WETLAND MARGINS (10m)
- WETLAND MARGINS (100m)

NOTES:

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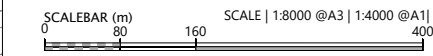
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

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

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: EARTHWORKS
IN WETLAND MARGINS
OVERALL PLAN

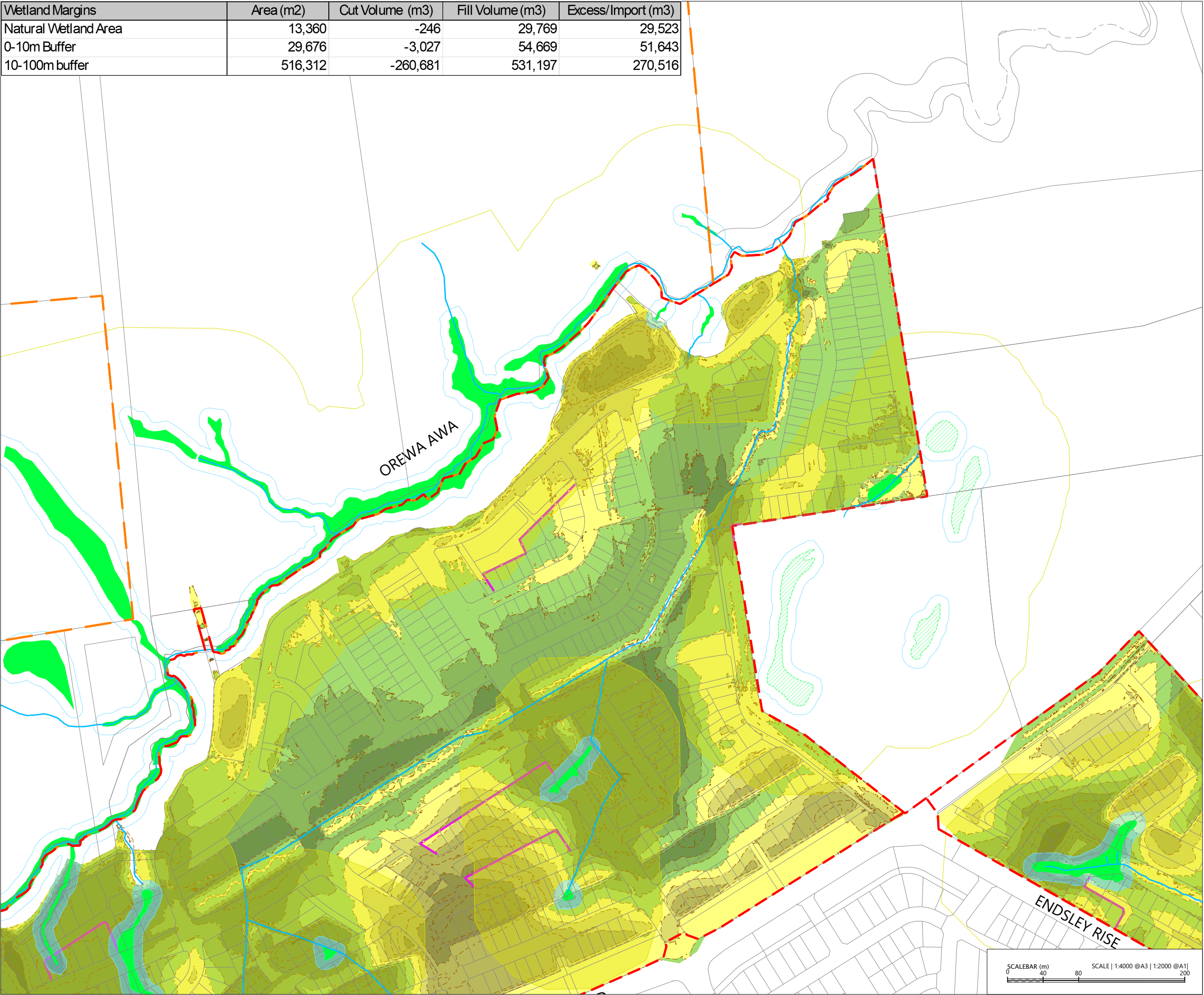
STATUS	ISSUED FOR CONSENT	REV
SCALE	1:8000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1260-EW	

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	13,360	-246	29,769	29,523
0-10m Buffer	29,676	-3,027	54,669	51,643
10-100m buffer	516,312	-260,681	531,197	270,516



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Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	13,360	-246	29,769	29,523
0-10m Buffer	29,676	-3,027	54,669	51,643
10-100m buffer	516,312	-260,681	531,197	270,516



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	
EXISTING STREAMS	
PROPOSED RETAINING WALL	
WETLAND MARGINS (10m)	
WETLAND MARGINS (100m)	

NOTES:

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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

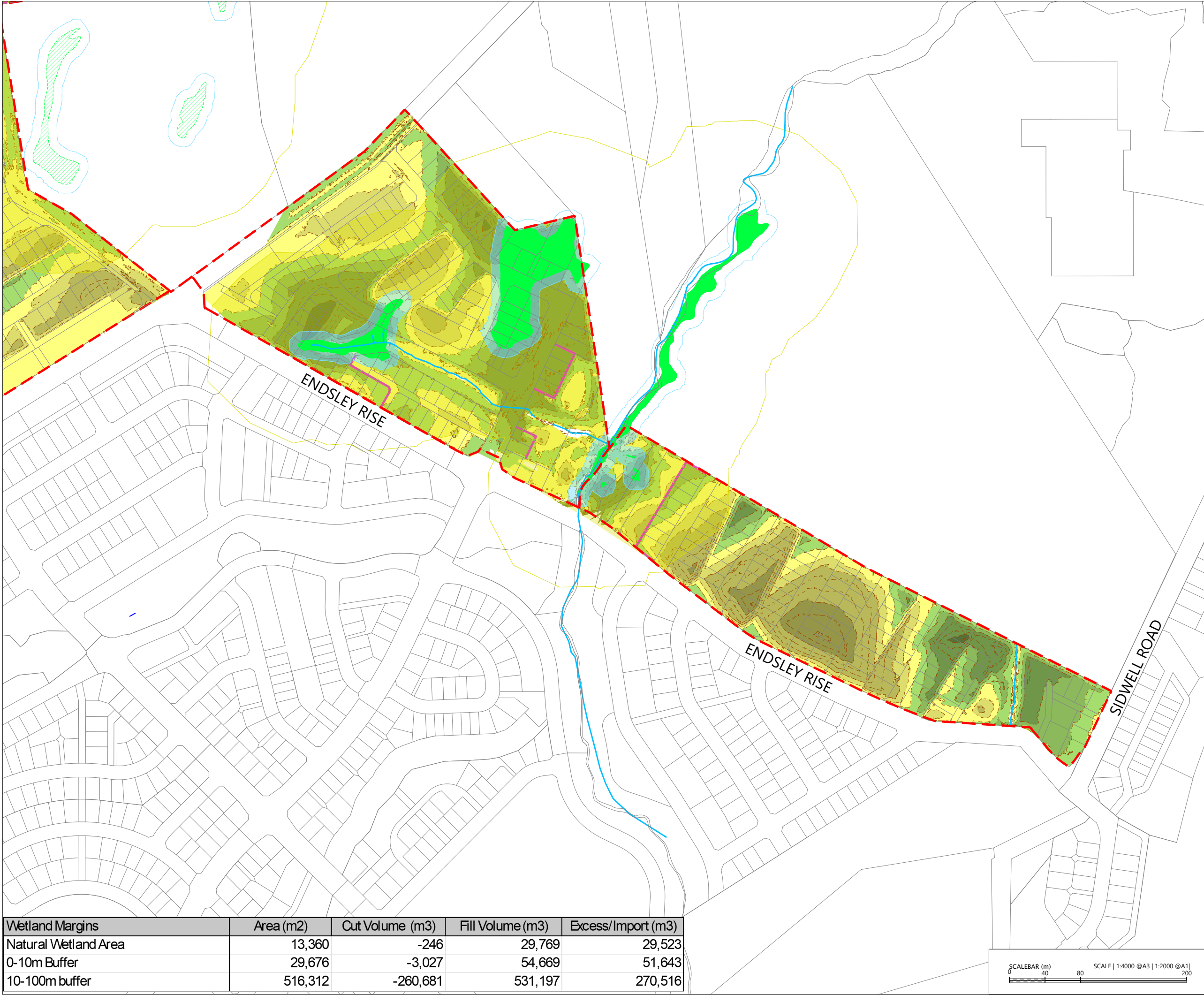
MILLDALE
STAGES 14-17
FAST-TRACK

PHASE 1: EARTHWORKS
IN WETLAND MARGINS
SHEET 1

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1261-EW	



File: C:\1205\DATA\WP-AK-APP-02\P25-609 - MILLDALE NORTH FAST-TRACK APPLICATION_23695\02 DRAWINGS\01 ENG\01 PHASE 1 - DEVELOPMENT AREA\P25-609-01-1261-EW-EARTHWORKS IN WETLAND MARGINS PLAN.DWG



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
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- WETLAND MARGINS (10m)
- WETLAND MARGINS (100m)

NOTES:

- EXISTING BOUNDARIES SHOWN INCLUDES FUTURE BOUNDARIES CONSENTED UNDER BUN60446761 AND BUN60430899. THESE BOUNDARIES ARE SUBJECT TO FINAL SURVEY APPROVAL.
- WETLAND MARGINS ARE ONLY SHOWN FOR FRESHWATER FEATURES WITHIN THE MILLDALE STAGES 14-17 DEVELOPMENT AREA. REFER TO THE P25-609-03 SERIES FOR DETAILS RELATING TO THE ECOLOGICAL RESTORATION AREA AND PROPOSED WATER INFRASTRUCTURE.

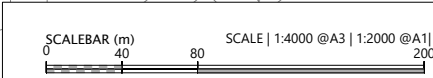
REVISION DETAILS		BY	DATE
1	ISSUED FOR CONSENT	SK	AUG 2026

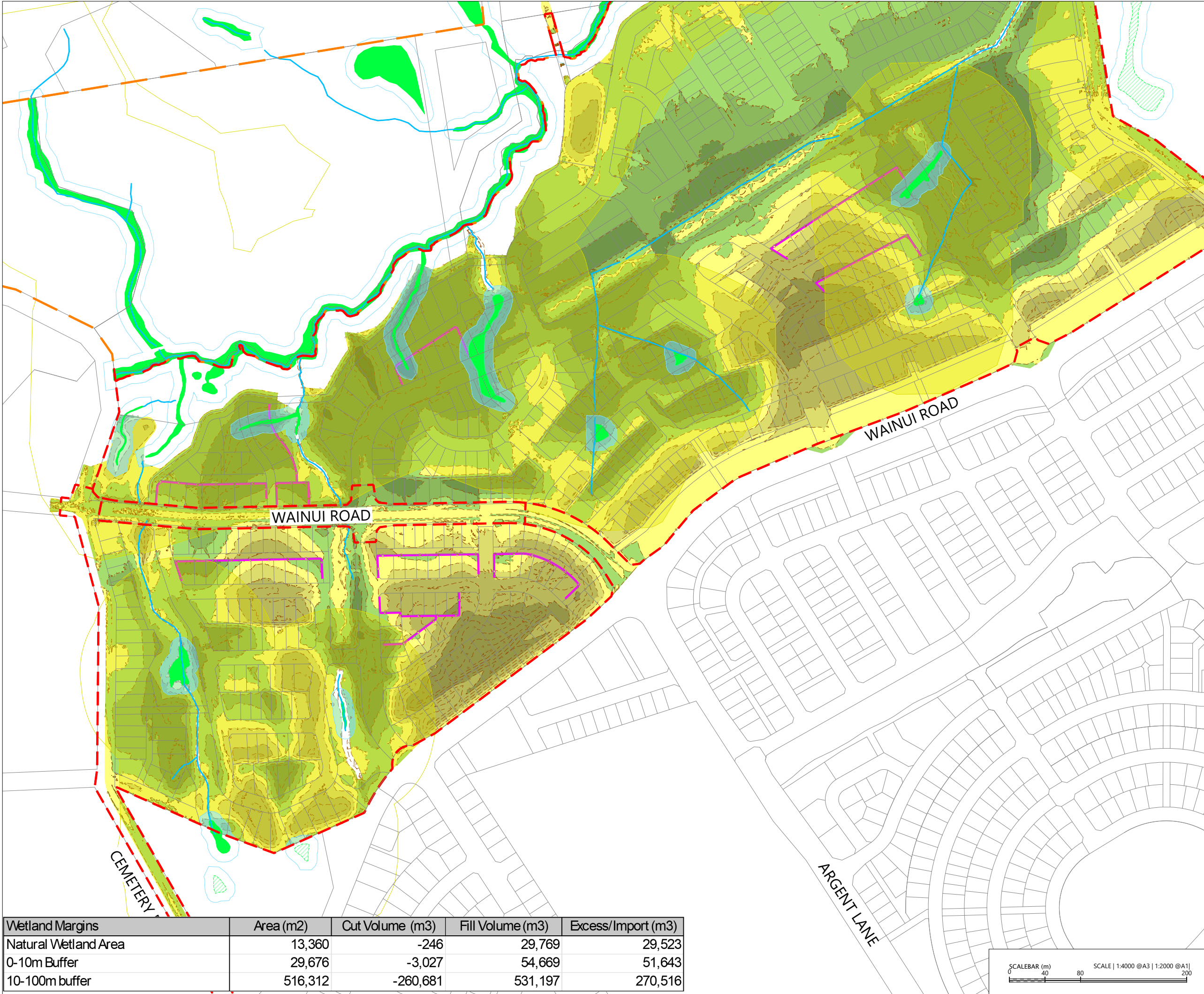
SURVEYED	WOODS	WAINUI ROAD MILLDALE AUCKLAND
DESIGNED	WOODS	
DRAWN	DH	
CHECKED	SK	
APPROVED	JW	
		WOODS.CO.NZ

MILLDALE
STAGES 14-17
FAST-TRACK
PHASE 1: EARTHWORKS
IN WETLAND MARGINS
SHEET 2

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1262-EW	

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	13,360	-246	29,769	29,523
0-10m Buffer	29,676	-3,027	54,669	51,643
10-100m buffer	516,312	-260,681	531,197	270,516





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
- EXISTING STREAMS
- PROPOSED RETAINING WALL
- WETLAND MARGINS (10m)
- WETLAND MARGINS (100m)

NOTES:

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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

PHASE 1: EARTHWORKS
IN WETLAND MARGINS
SHEET 3

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:4000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-01-1263-EW	

Wetland Margins	Area (m2)	Cut Volume (m3)	Fill Volume (m3)	Excess/Import (m3)
Natural Wetland Area	13,360	-246	29,769	29,523
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