

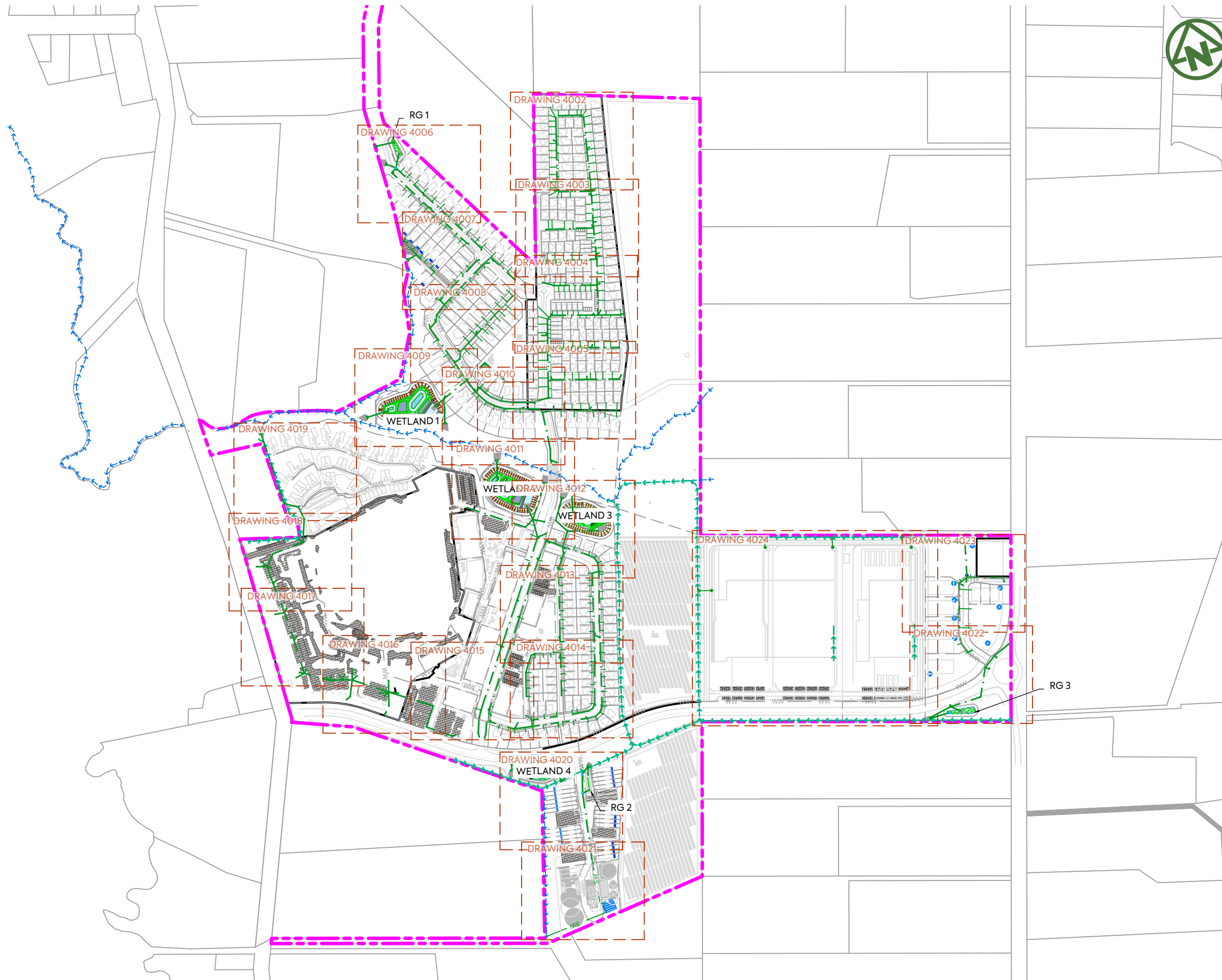
NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
3. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROJECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PROCESS.
4. REFER TO DRAWING 435 FOR OUTLET PROTECTION DETAILS
5. REFER TO DRAWINGS 430-433 FOR CULVERT DETAILS.
6. REFER TO DRAWINGS 450-452 FOR Q100 PRE- DEVELOPMENT CATCHMENTS.
7. REFER TO DRAWINGS 455-457 FOR Q100 POST- DEVELOPMENT CATCHMENTS.
8. ALL STORMWATER SIZES, DIMENSIONS AND POSITIONS SUBJECT TO CHANGE DURING DETAILED DESIGN

LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p> <p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER OVERALL PLAN</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p> <p>SCALE: 1:5000</p> <p>DO NOT SCALE</p> <p>DRAWING NO: 3325-2-4000</p> <p>REV: C</p>																								
<table border="0" style="width: 100%; font-size: small;"> <tr> <td style="width: 10%;">C</td><td style="width: 60%;">DRAWING UPDATED</td><td style="width: 10%;">AL</td><td style="width: 10%;">SL</td><td style="width: 10%;">JK</td><td style="width: 10%;">24/04/26</td></tr> <tr> <td>B</td><td>DRAWING UPDATED</td><td>AL</td><td>SL</td><td>JK</td><td>13/01/26</td></tr> <tr> <td>A</td><td>FIRST ISSUE</td><td>AL</td><td>SL</td><td>JK</td><td>07/11/25</td></tr> <tr> <th>REV</th><th>DESCRIPTION</th><th>DRN BY</th><th>CHK BY</th><th>APP BY</th><th>DATE</th></tr> </table>	C	DRAWING UPDATED	AL	SL	JK	24/04/26	B	DRAWING UPDATED	AL	SL	JK	13/01/26	A	FIRST ISSUE	AL	SL	JK	07/11/25	REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE			
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8. ALL STORMWATER SIZES, DIMENSIONS AND POSITIONS SUBJECT TO CHANGE DURING DETAILED DESIGN

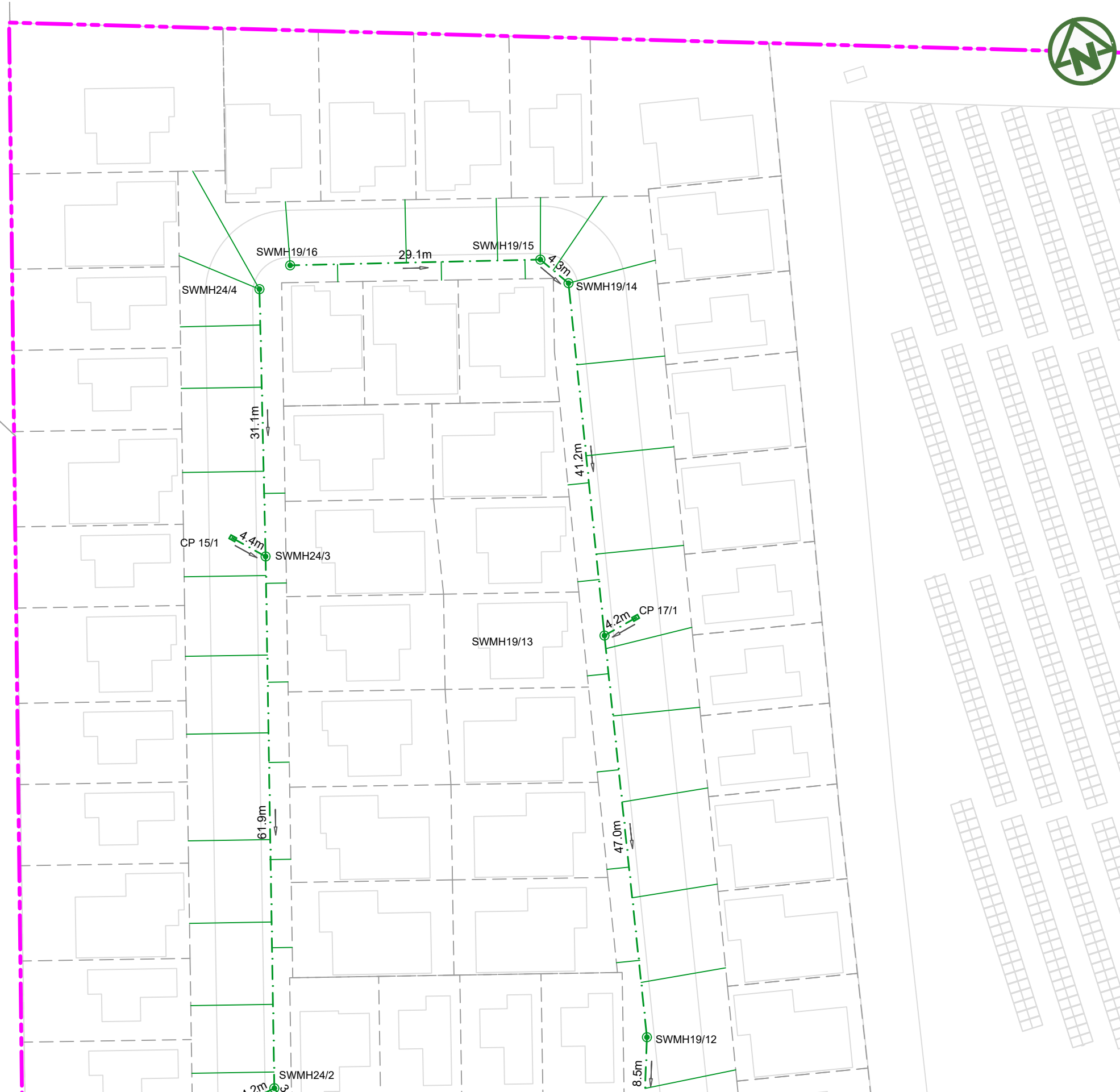
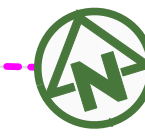
LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER OVERALL PLAN PAGE FINDER	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
			SCALE: 1:5000 DO NOT SCALE
			DRAWING NO: 3325-2-4001
			REV: C

C	DRAWING UPDATED	AL	SL	JK	24/04/26
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE





NOTES:

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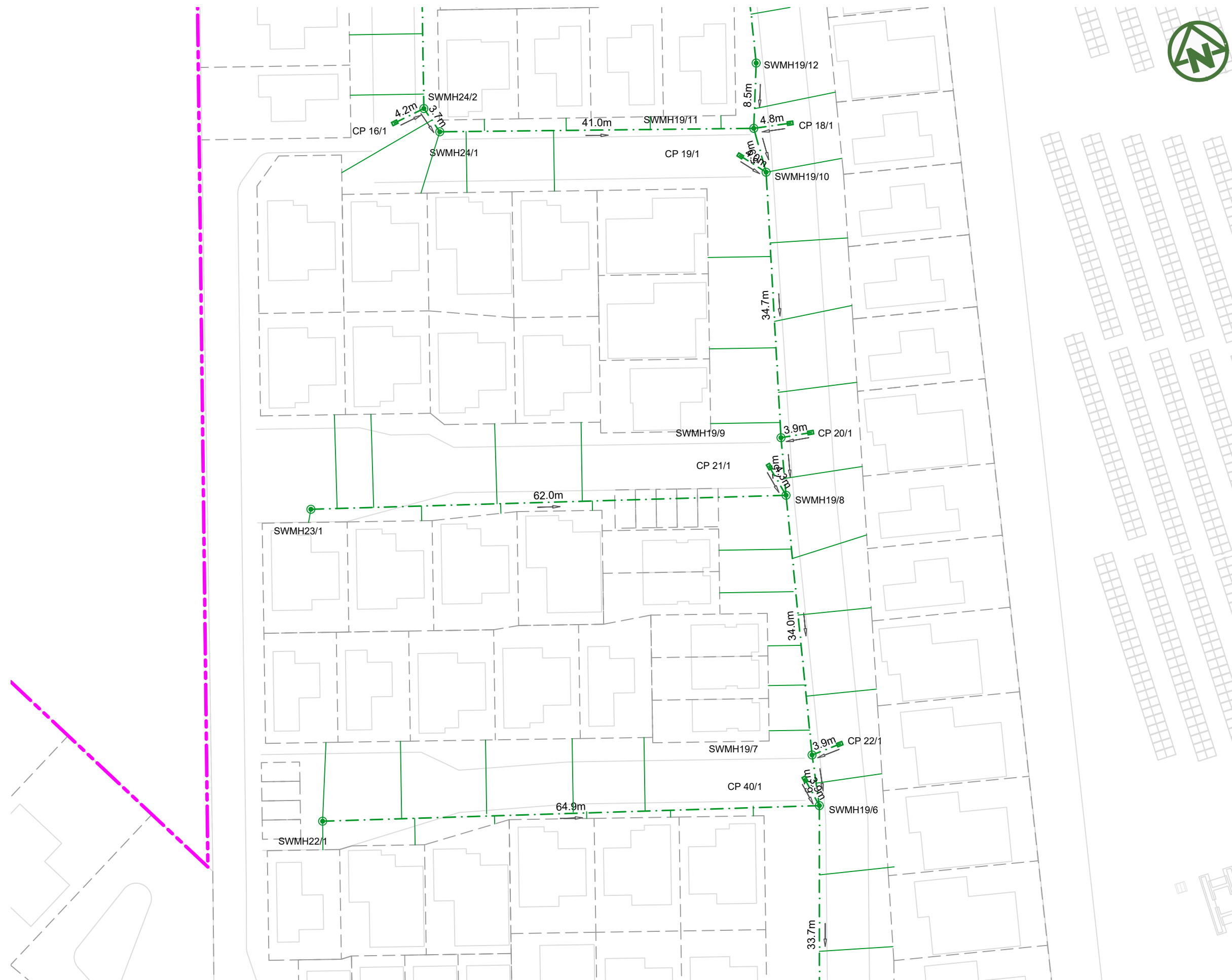
SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 1 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE: 1:500
DO NOT SCALE
DRAWING NO: 3325-2-4002 REV: B



NOTES:

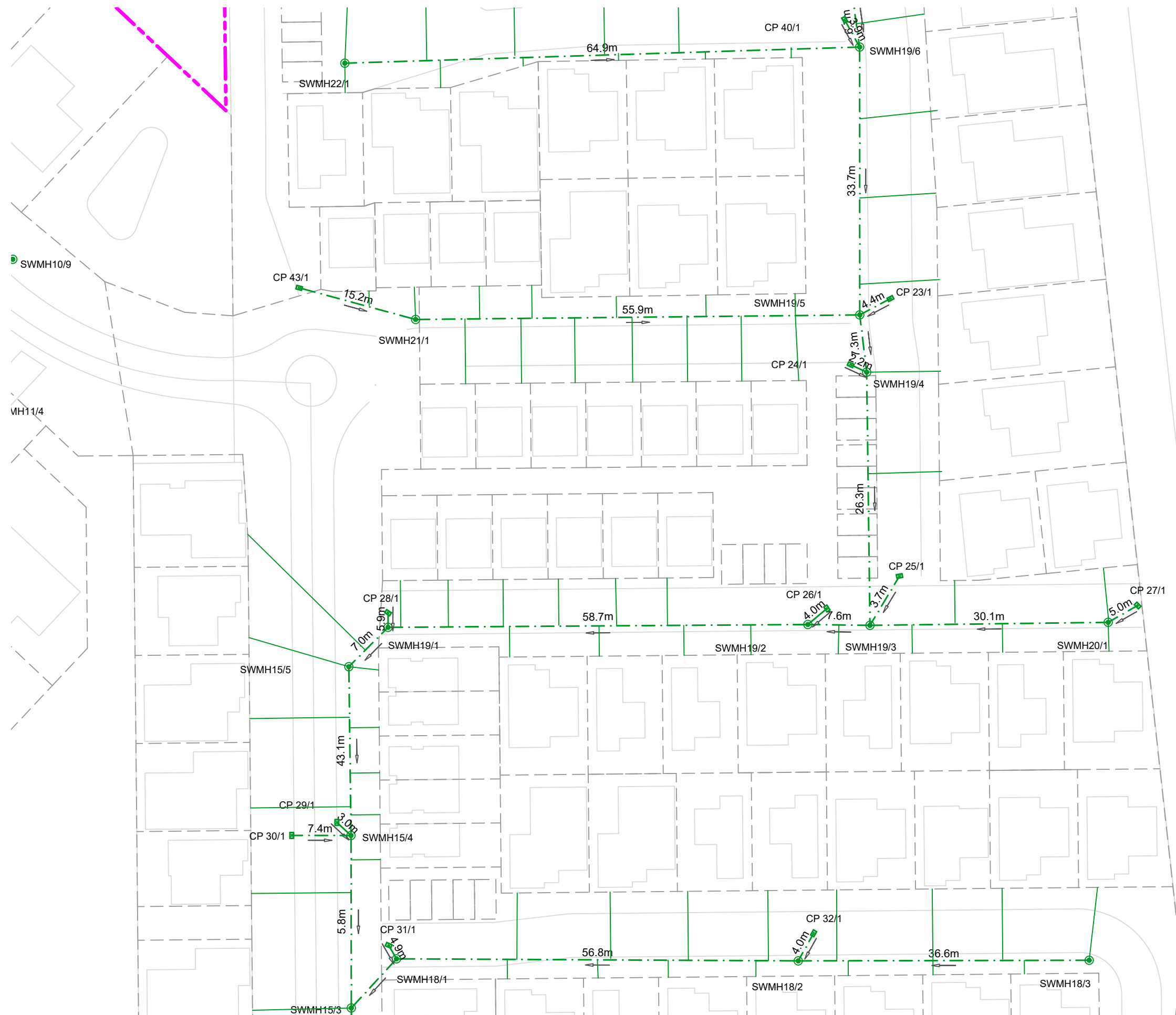
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LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PLAN SHEET 2</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
			<p>SCALE: 1:500 DO NOT SCALE</p>
<p>REV: B</p>			<p>DRAWING NO: 3325-2-4003</p>

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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8. ALL STORMWATER SIZES, DIMENSIONS AND POSITIONS SUBJECT TO CHANGE DURING DETAILED DESIGN

LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: PROJECT: TITLE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

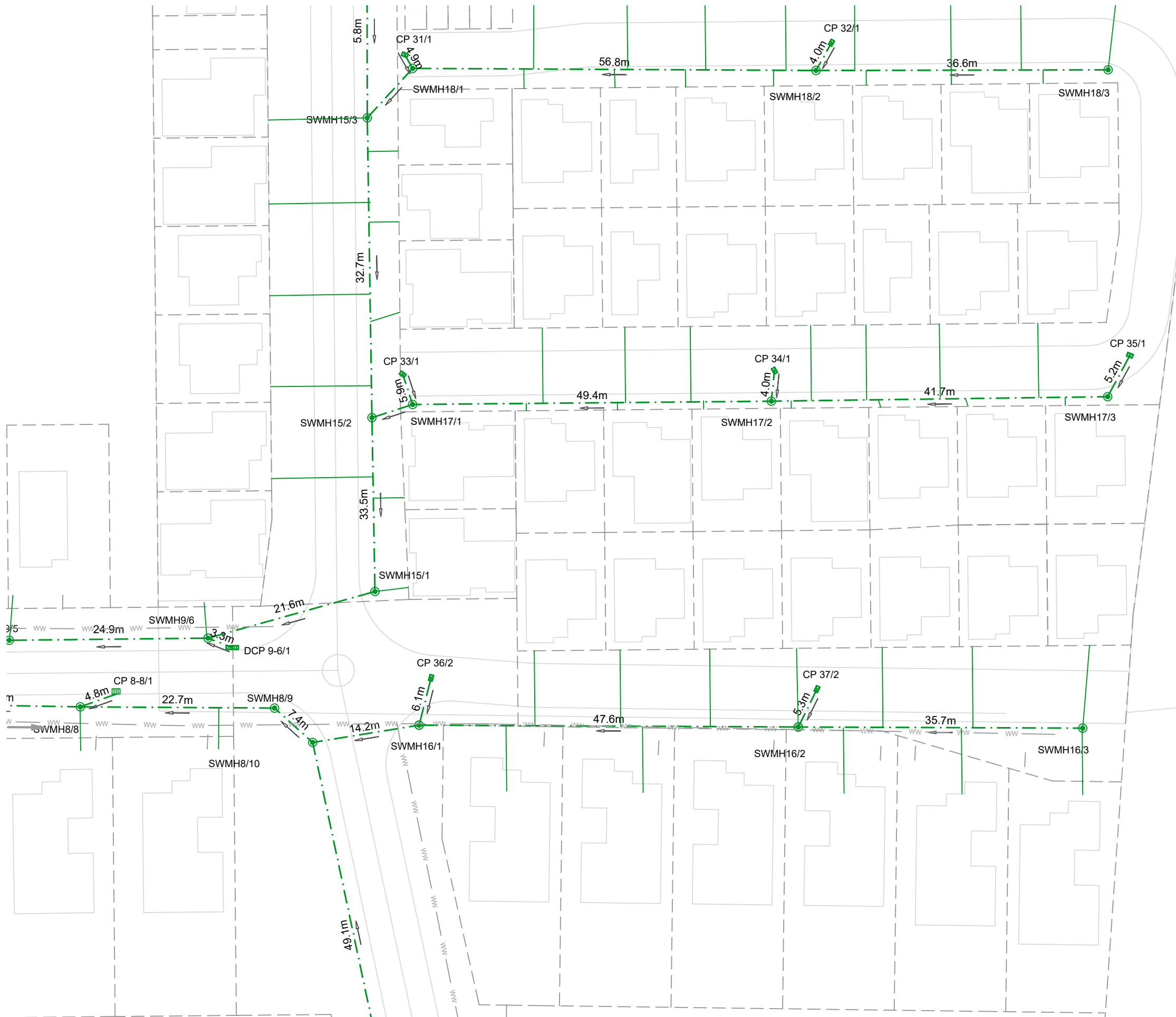
STORMWATER
PLAN
SHEET 3

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:500
DO NOT SCALE
DRAWING NO: **3325-2-4004** REV: **B**

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25





NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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8. ALL STORMWATER SIZES, DIMENSIONS AND POSITIONS SUBJECT TO CHANGE DURING DETAILED DESIGN

LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: PROJECT: TITLE: PURPOSE OF ISSUE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
PLAN
SHEET 4

FOR RESOURCE CONSENT

SCALE:
1:500

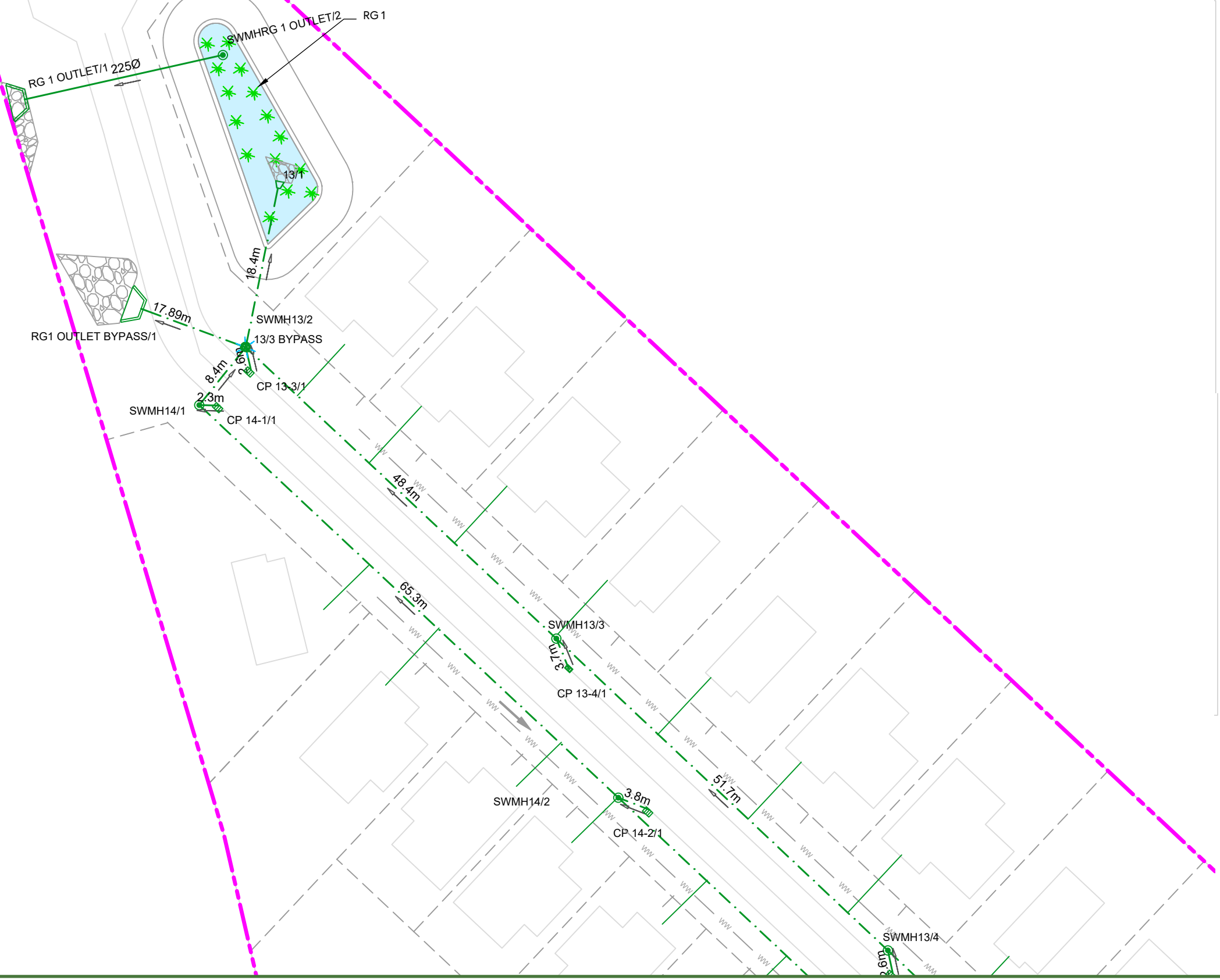
DO NOT SCALE

DRAWING NO: REV:

3325-2-4005 B

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25





- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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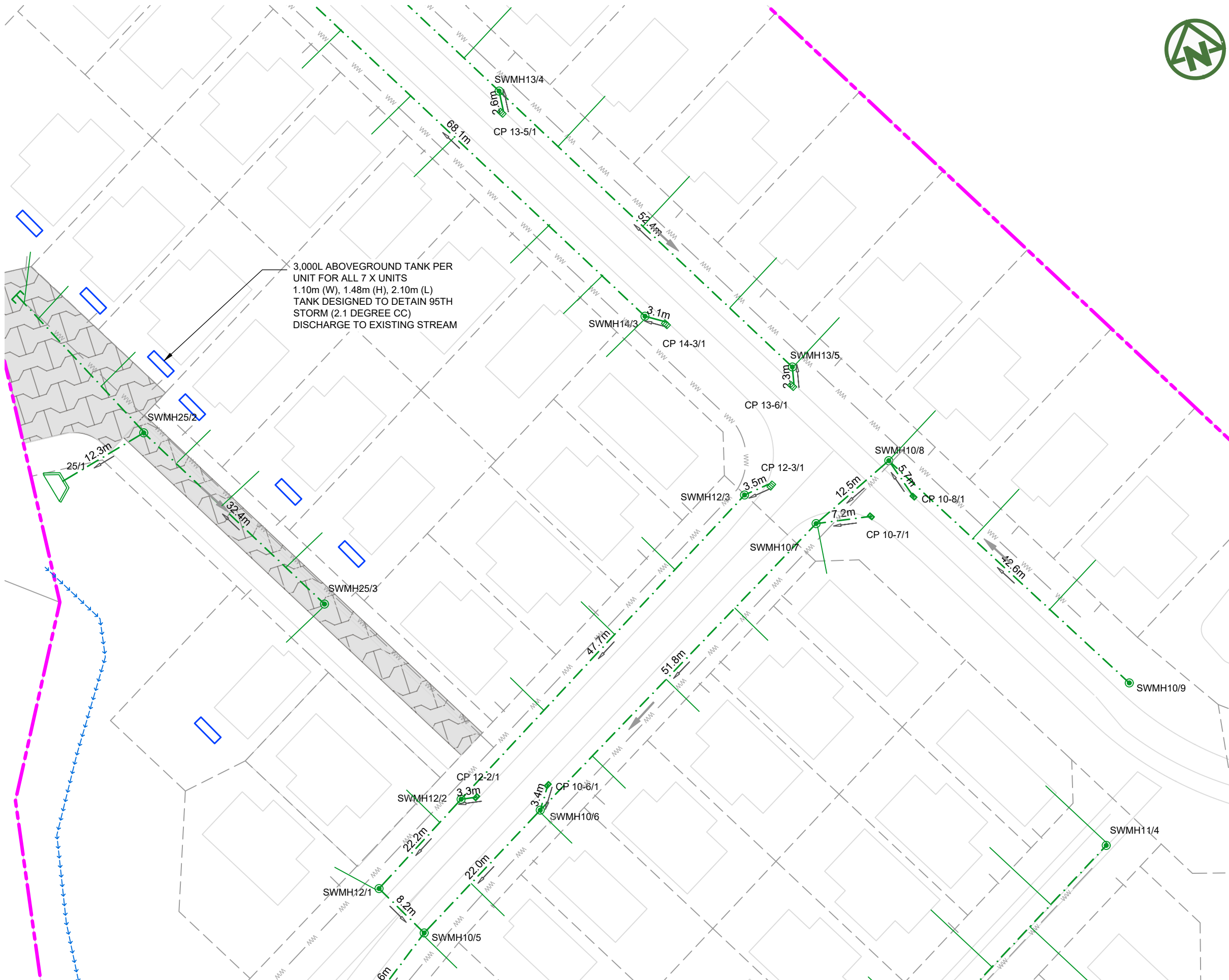
SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 5 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE: 1:500
DO NOT SCALE
DRAWING NO: 3325-2-4006 REV: B



NOTES:

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LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: PROJECT: TITLE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

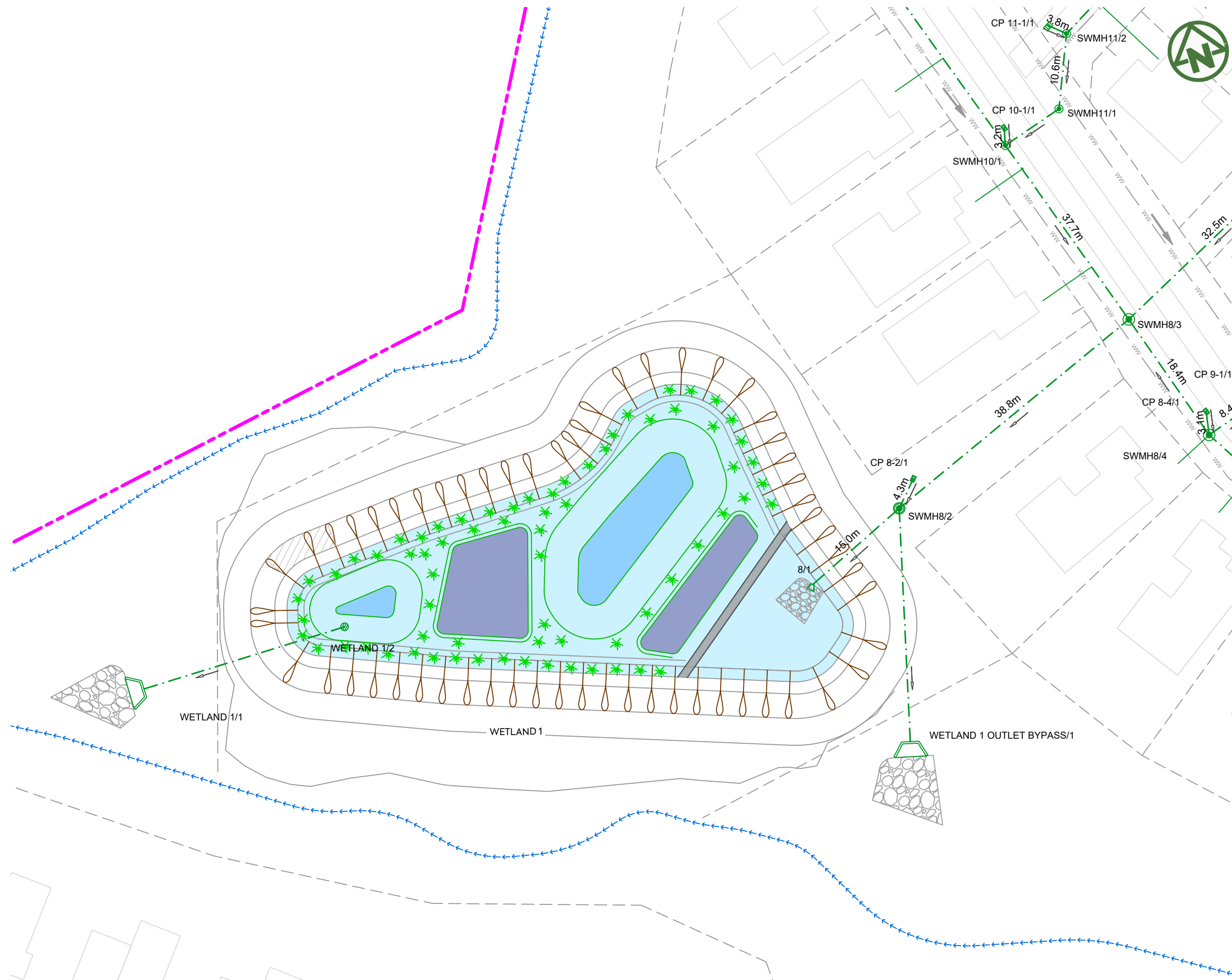
STORMWATER
PLAN
SHEET 6

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:500
DO NOT SCALE
DRAWING NO: **3325-2-4007** REV: **B**



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25



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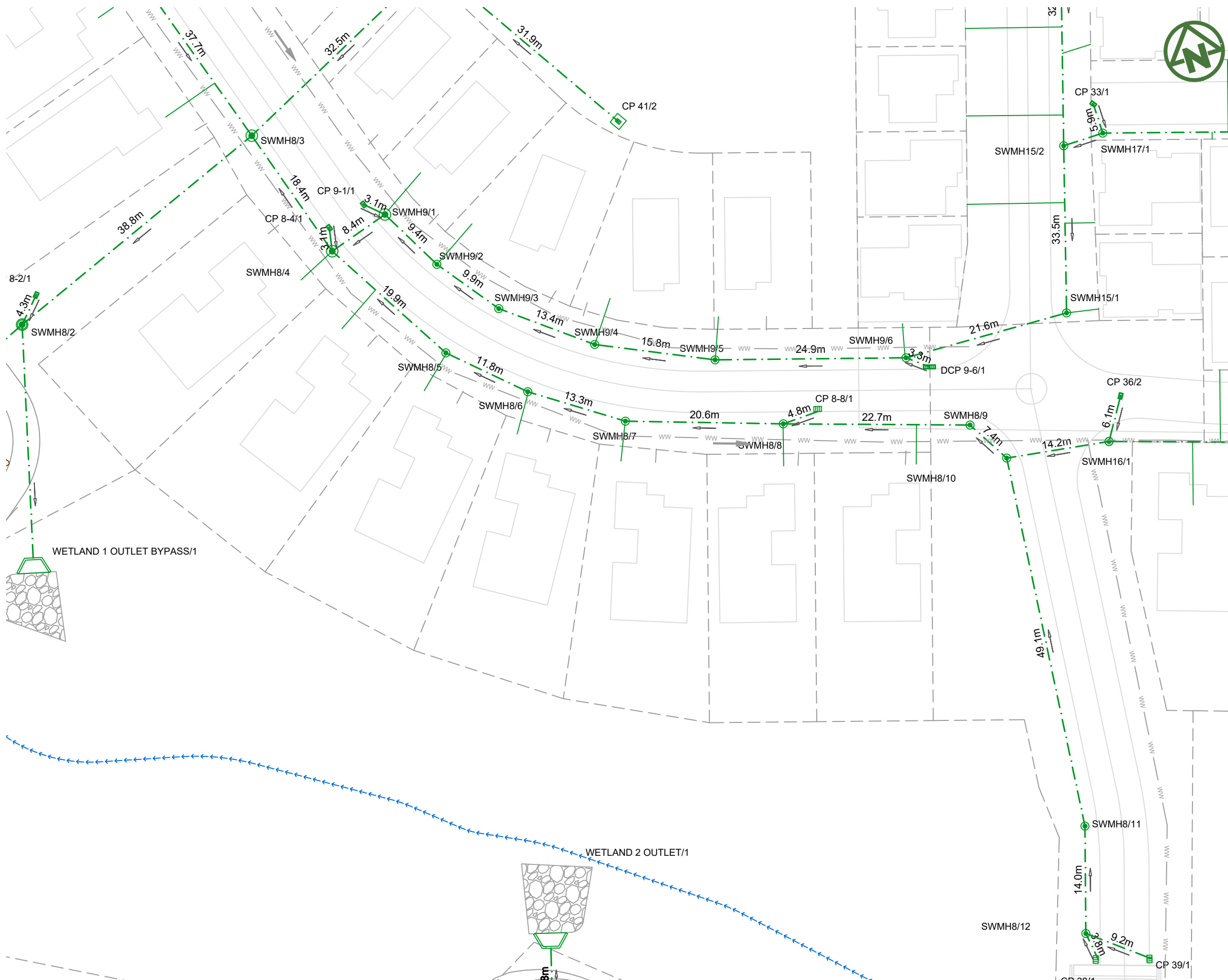
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STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 8 PURPOSE OF ISSUE: FOR RESOURCE CONSENT

SCALE: 1:500 DO NOT SCALE DRAWING NO: 3325-2-4009 REV: B

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
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A	FIRST ISSUE	AL	SL	JK	07/11/25





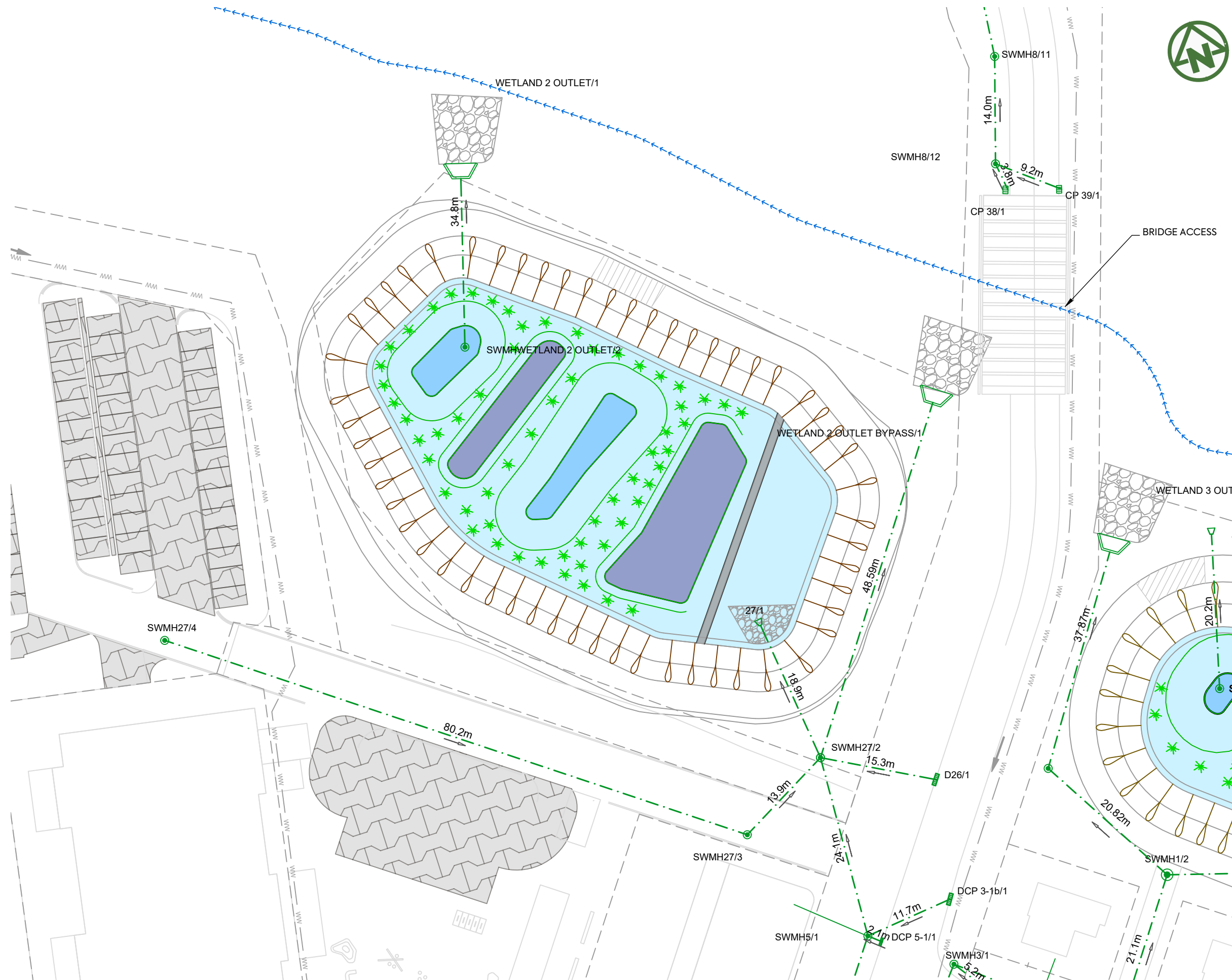
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LEGEND:

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- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
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- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

	CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER PLAN SHEET 9	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
B DRAWING UPDATED AL SL JK 13/01/26 A FIRST ISSUE AL SL JK 07/11/25 REV DESCRIPTION DRN BY CHK BY APP BY DATE				SCALE: 1:500 DO NOT SCALE DRAWING NO: 3325-2-4010 REV: B



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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LEGEND:

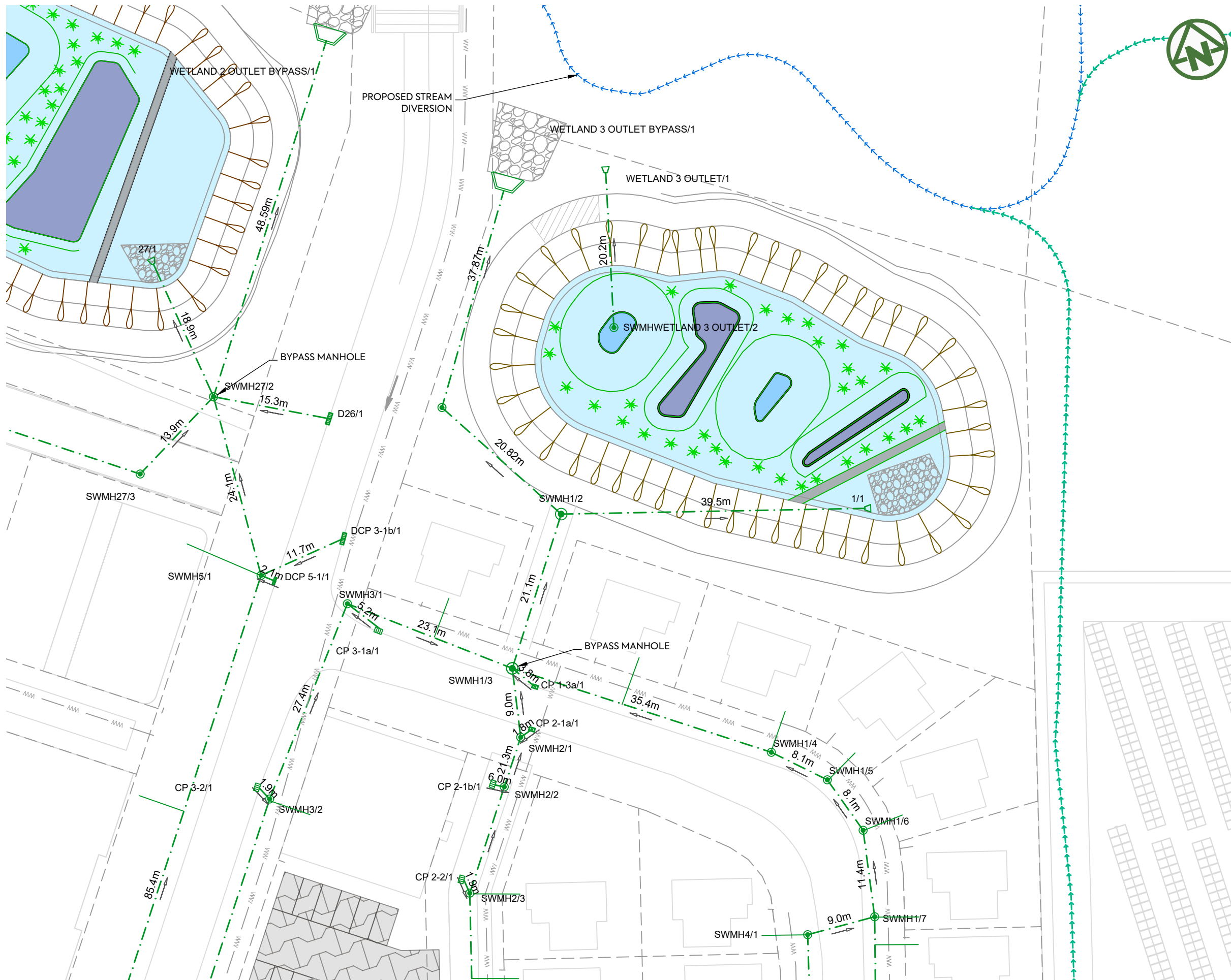
- SITE BOUNDARY ---
- FUTURE LOT BOUNDARY ---
- PROPOSED STORMWATER ---
- PROPOSED LOW PRESSURE WASTEWATER ---
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION ---
- STREAM ---
- PROPOSED SWALE ---
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 10 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE: 1:500
DO NOT SCALE
DRAWING NO: 3325-2-4011 REV: B



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
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7. REFER TO DRAWINGS 455-457 FOR Q100 POST- DEVELOPMENT CATCHMENTS.
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LEGEND:

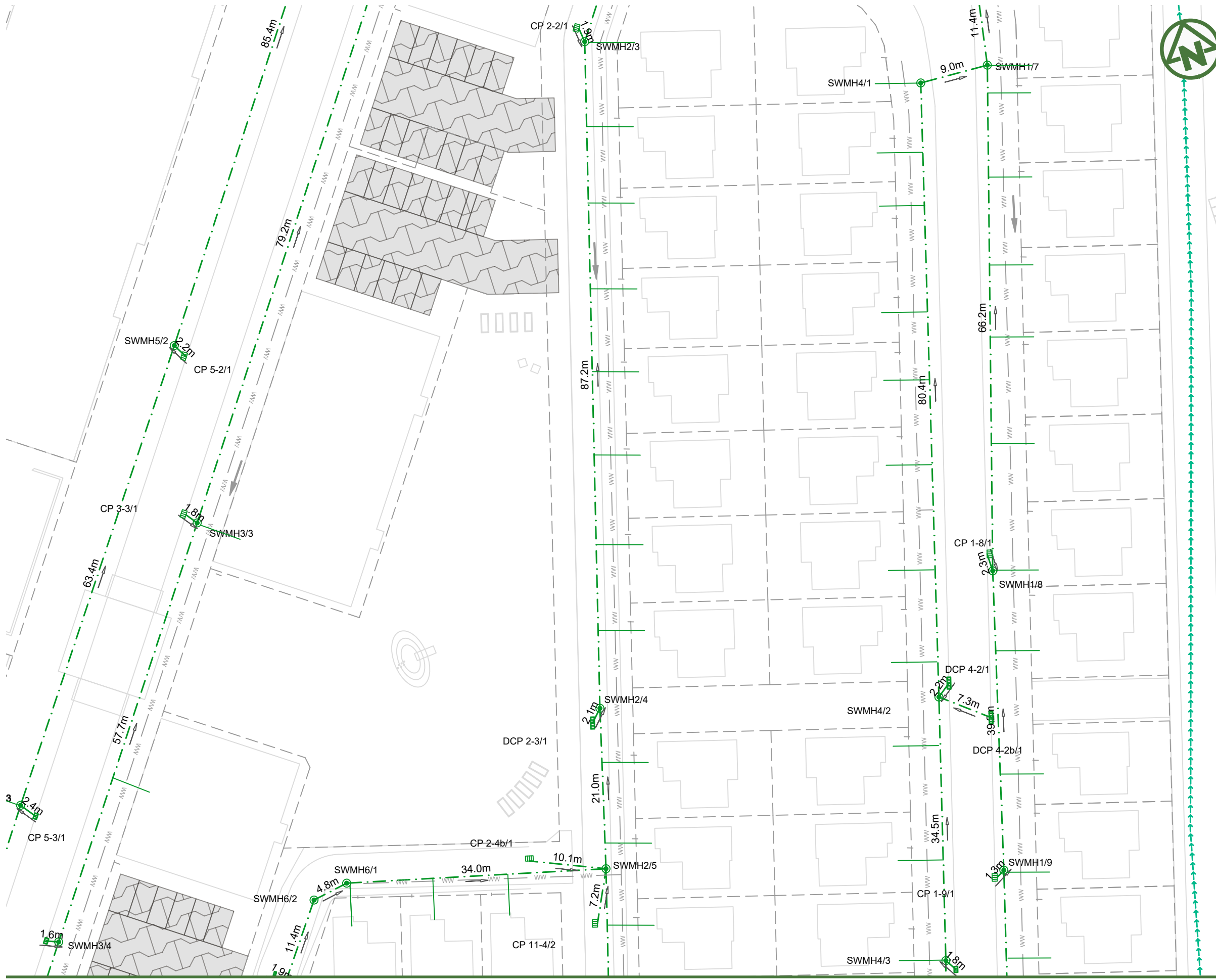
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- FUTURE LOT BOUNDARY ---
- PROPOSED STORMWATER ---
- PROPOSED LOW PRESSURE WASTEWATER ww ww
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- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION ---
- STREAM >>>>>>
- PROPOSED SWALE >>>>>>
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 11 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE:	1:500
DO NOT SCALE	
DRAWING NO:	3325-2-4012
REV:	B



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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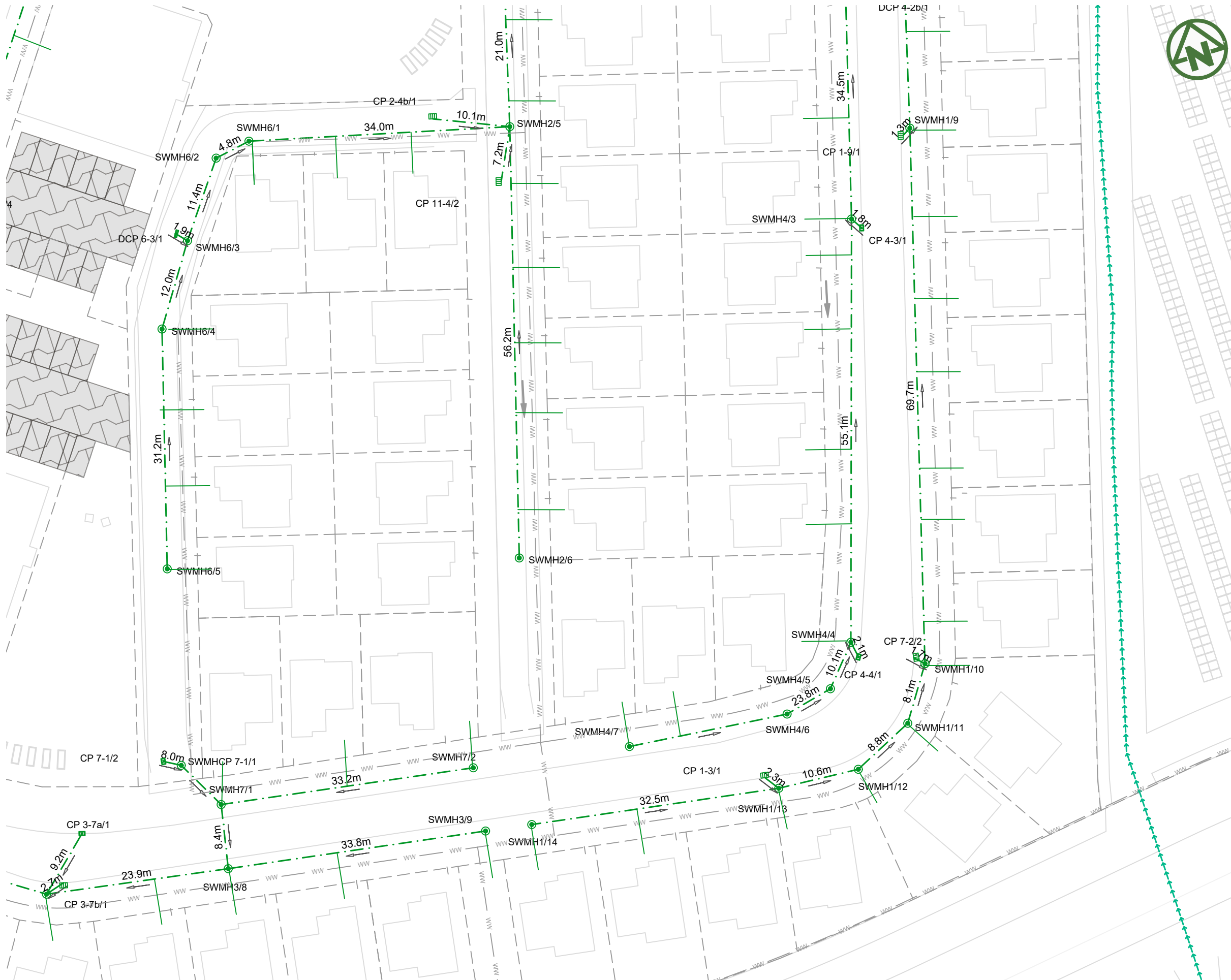
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- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
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- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 12 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE:	1:500
DO NOT SCALE	
DRAWING NO:	3325-2-4013
REV:	B



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
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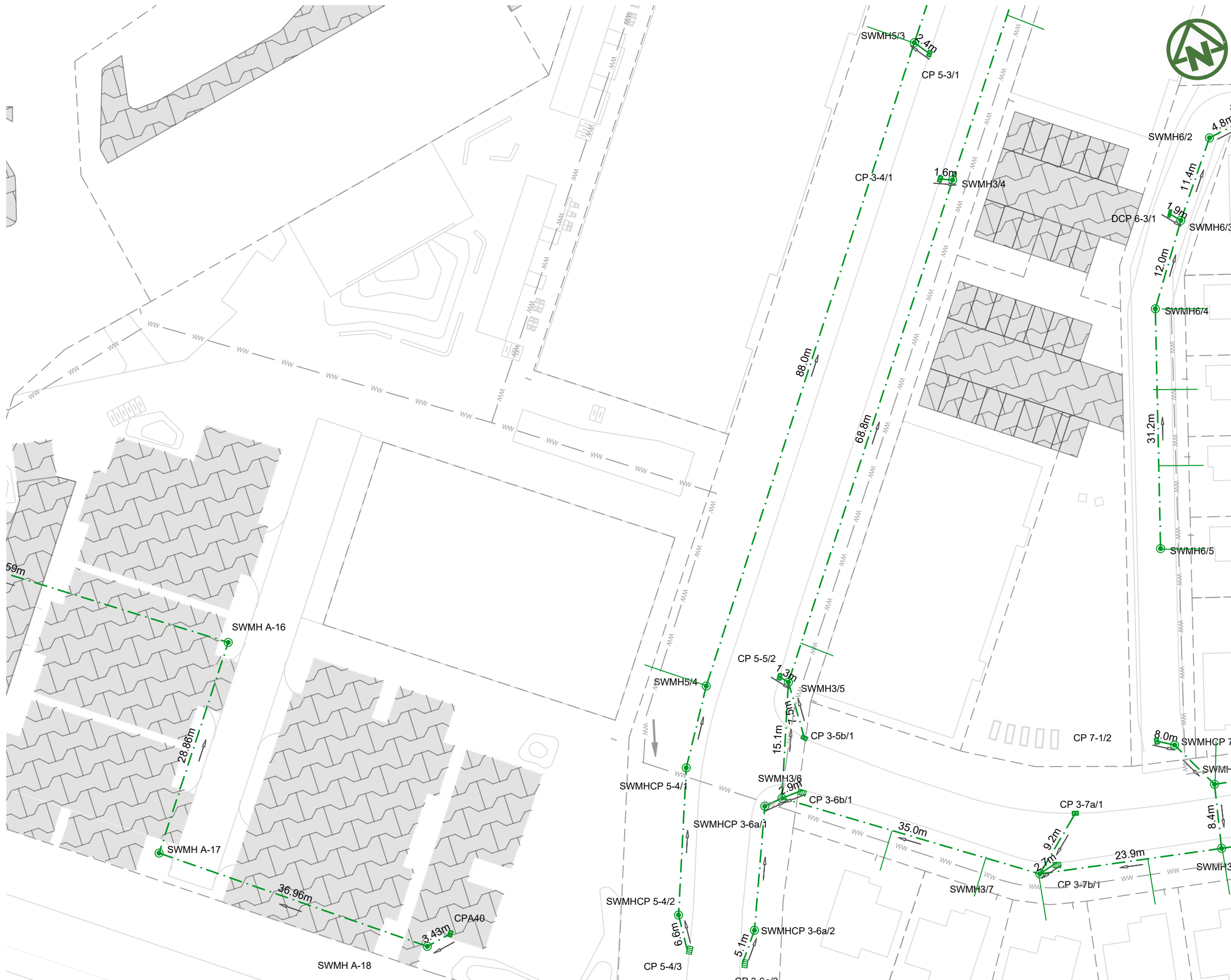
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- FUTURE LOT BOUNDARY
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- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER PLAN SHEET 13 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25

SCALE: 1:500	REV: B
DO NOT SCALE	
DRAWING NO: 3325-2-4014	



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PLAN SHEET 14</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
<p>MCKENZIE & CO.</p>			<p>SCALE: 1:500</p>
<p>REV DESCRIPTION DRN BY CHK BY APP BY DATE</p>			<p>DO NOT SCALE</p>
<p>B DRAWING UPDATED AL SL JK 13/01/26</p>			<p>DRAWING NO: 3325-2-4015</p>
<p>A FIRST ISSUE AL SL JK 07/11/25</p>			<p>REV: B</p>



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

	CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER PLAN SHEET 15	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
B DRAWING UPDATED A FIRST ISSUE REV DESCRIPTION	AL SL JK 13/01/26 AL SL JK 07/11/25 DRN BY CHK BY APP BY DATE			
		SCALE: 1:500 DO NOT SCALE		REV: B
		DRAWING NO: 3325-2-4016		



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT: PROJECT: TITLE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
PLAN
SHEET 16

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

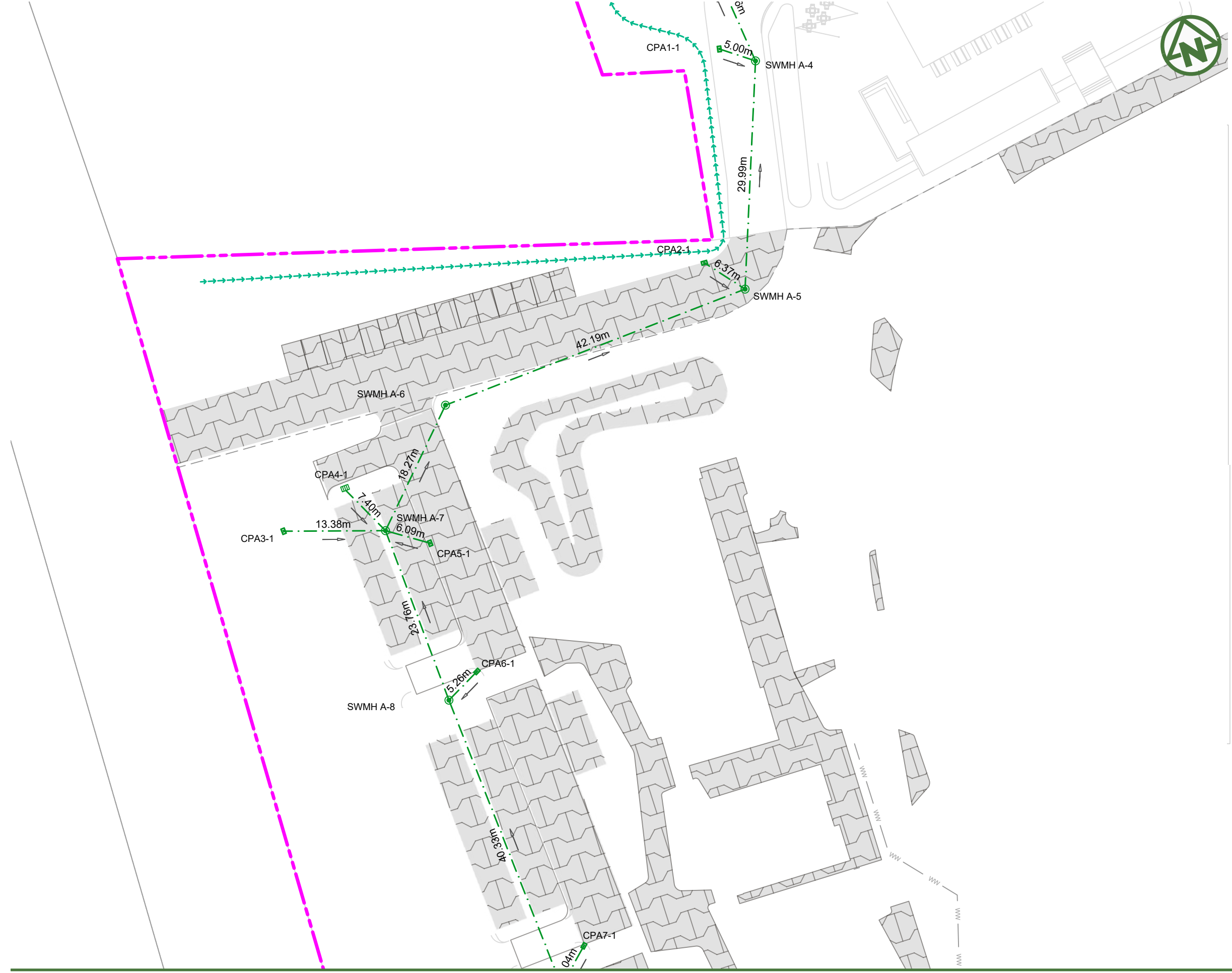
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DO NOT SCALE

DRAWING NO: **3325-2-4017** REV: **B**



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25



- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
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STREAM	
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PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	



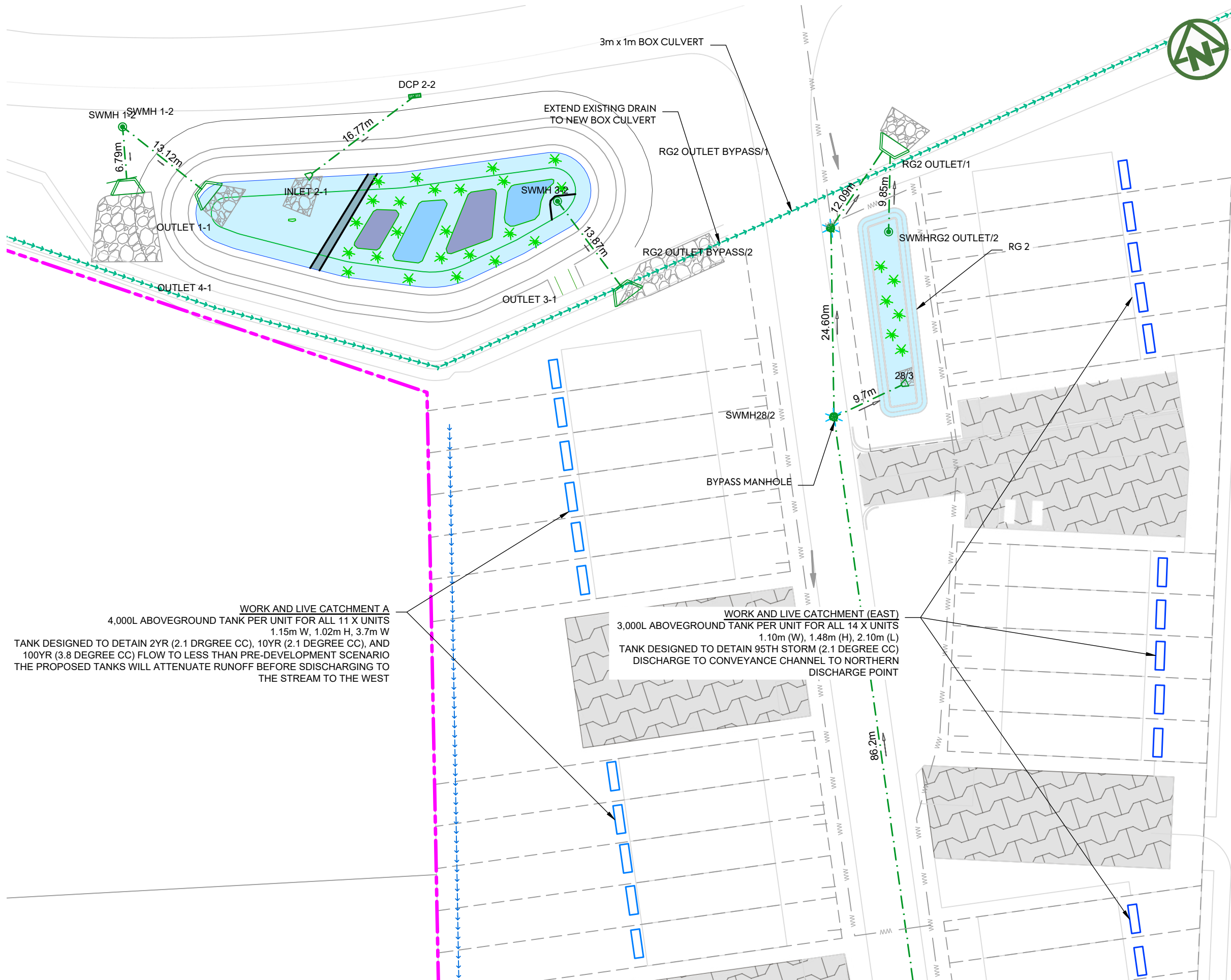
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STORMWATER LOT CONNECTION	
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PROPOSED PERVIOUS PAVERS	

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PLAN SHEET 18</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>												
<p>B DRAWING UPDATED AL SL JK 13/01/26</p> <p>A FIRST ISSUE AL SL JK 07/11/25</p> <table border="1" style="width: 100%; font-size: small;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DRN BY</th> <th>CHK BY</th> <th>APP BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE							<p>SCALE: 1:500</p> <p>DO NOT SCALE</p> <p>DRAWING NO: 3325-2-4019</p> <p>REV: B</p>			
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE											



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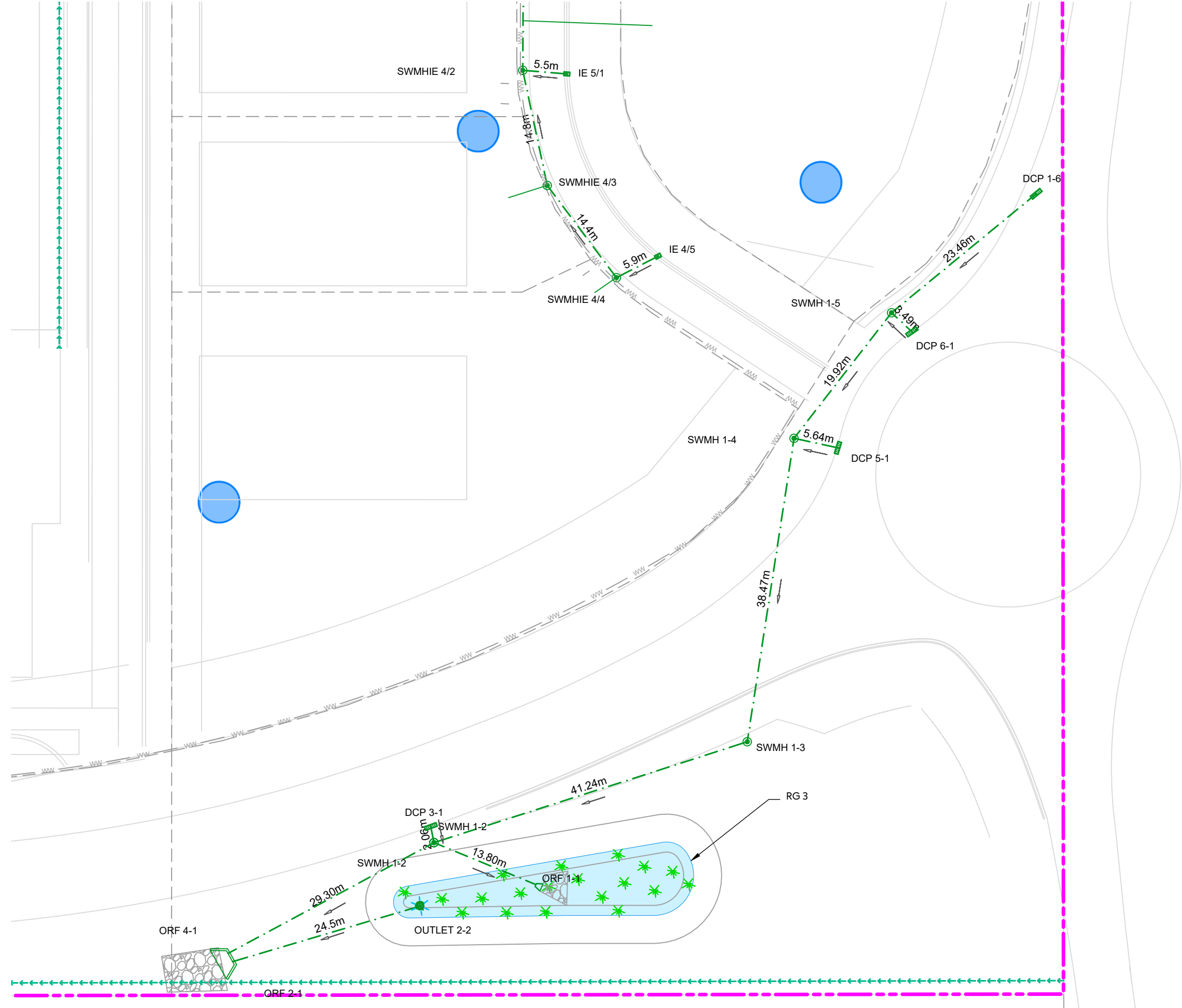
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- PROPOSED STORMWATER CATCHPIT
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- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

WORK AND LIVE CATCHMENT A
 4,000L ABOVEGROUND TANK PER UNIT FOR ALL 11 X UNITS
 1.15m W, 1.02m H, 3.7m W
 TANK DESIGNED TO DETAIN 2YR (2.1 DRGREE CC), 10YR (2.1 DEGREE CC), AND 100YR (3.8 DEGREE CC) FLOW TO LESS THAN PRE-DEVELOPMENT SCENARIO THE PROPOSED TANKS WILL ATTENUATE RUNOFF BEFORE SDISCHARGING TO THE STREAM TO THE WEST

WORK AND LIVE CATCHMENT (EAST)
 3,000L ABOVEGROUND TANK PER UNIT FOR ALL 14 X UNITS
 1.10m (W), 1.48m (H), 2.10m (L)
 TANK DESIGNED TO DETAIN 95TH STORM (2.1 DEGREE CC) DISCHARGE TO CONVEYANCE CHANNEL TO NORTHERN DISCHARGE POINT



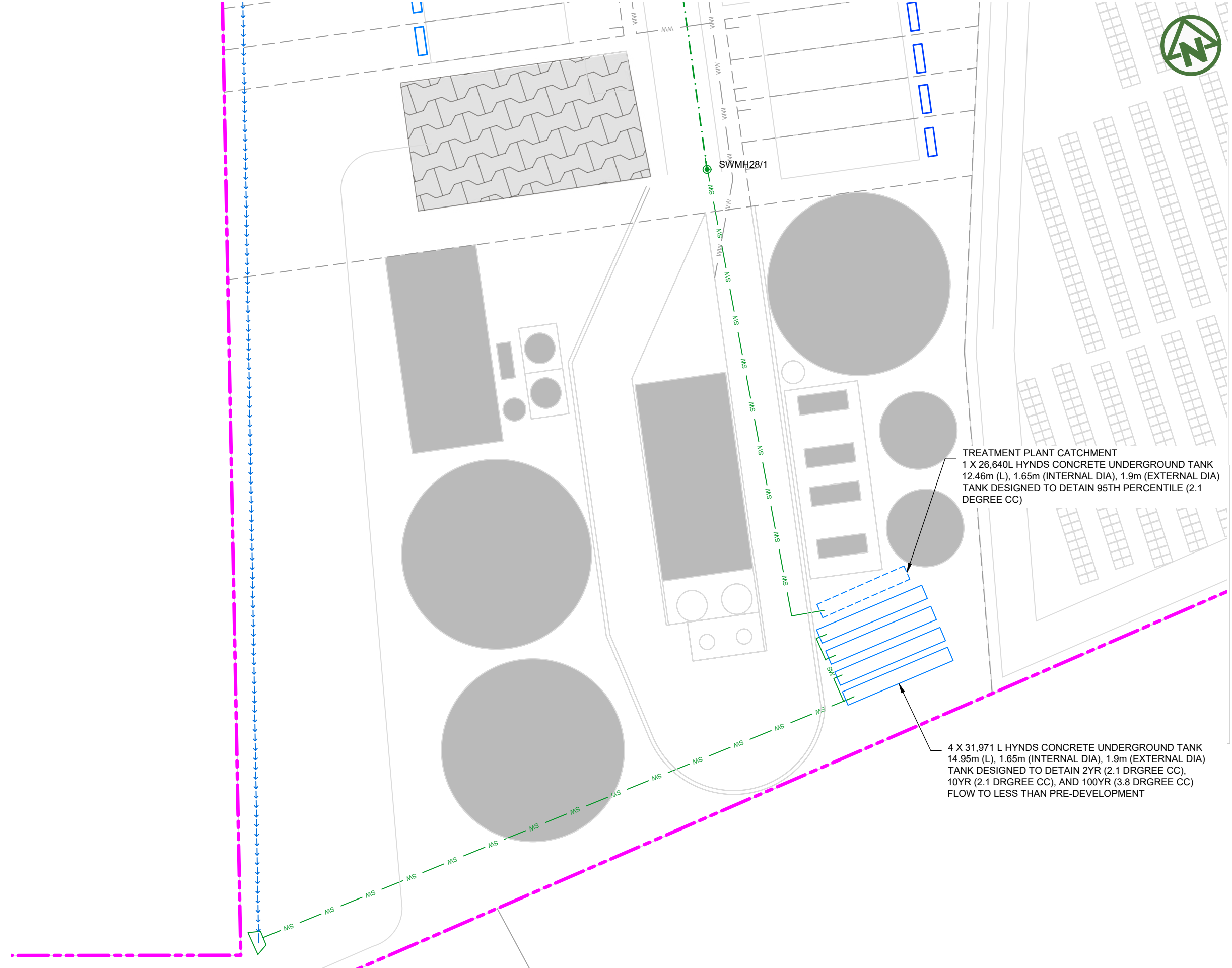
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	CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER PLAN SHEET 21	PURPOSE OF ISSUE: FOR RESOURCE CONSENT SCALE: 1:500 DO NOT SCALE DRAWING NO: 3325-2-4022																								
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A	FIRST ISSUE	AL	SL	JK	07/11/25																						



NOTES:

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7. REFER TO DRAWINGS 455-457 FOR Q100 POST- DEVELOPMENT CATCHMENTS.
8. ALL STORMWATER SIZES, DIMENSIONS AND POSITIONS SUBJECT TO CHANGE DURING DETAILED DESIGN

LEGEND:

SITE BOUNDARY	
FUTURE LOT BOUNDARY	
PROPOSED STORMWATER	
PROPOSED LOW PRESSURE WASTEWATER	
PROPOSED STORMWATER MANHOLE	
PROPOSED STORMWATER CATCHPIT	
PROPOSED STORMWATER HEADWALL	
STORMWATER LOT CONNECTION	
STREAM	
PROPOSED SWALE	
PROPOSED CONSTRUCTED WETLAND	
PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

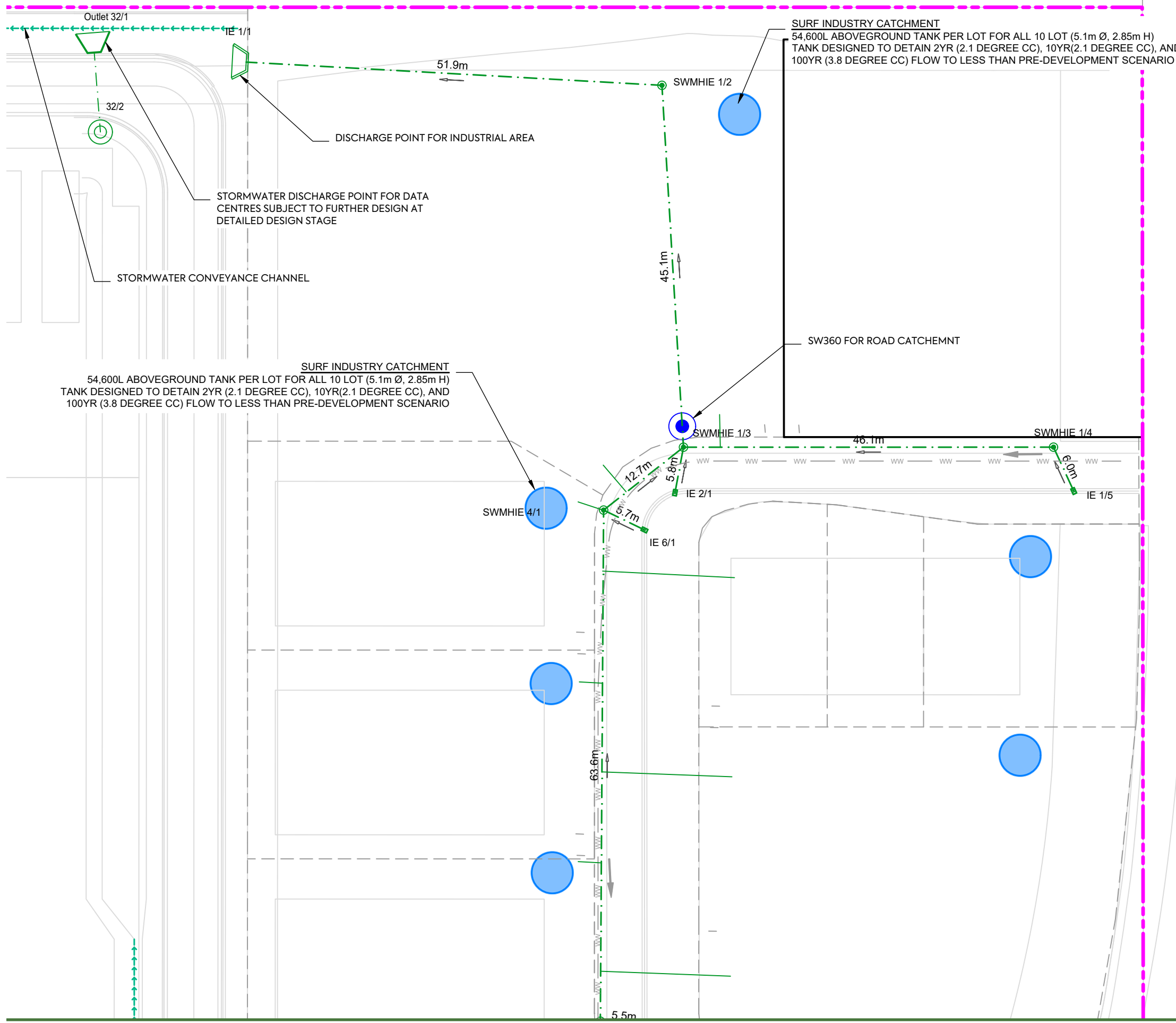
TREATMENT PLANT CATCHMENT
 1 X 26,640L HYNDS CONCRETE UNDERGROUND TANK
 12.46m (L), 1.65m (INTERNAL DIA), 1.9m (EXTERNAL DIA)
 TANK DESIGNED TO DETAIN 95TH PERCENTILE (2.1 DEGREE CC)

4 X 31,971 L HYNDS CONCRETE UNDERGROUND TANK
 14.95m (L), 1.65m (INTERNAL DIA), 1.9m (EXTERNAL DIA)
 TANK DESIGNED TO DETAIN 2YR (2.1 DRGREE CC),
 10YR (2.1 DRGREE CC), AND 100YR (3.8 DRGREE CC)
 FLOW TO LESS THAN PRE-DEVELOPMENT

CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER PLAN SHEET 20	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
			SCALE: 1:500
			DO NOT SCALE
			DRAWING NO: 3325-2-4021
			REV: B

MCKENZIE & CO.

B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



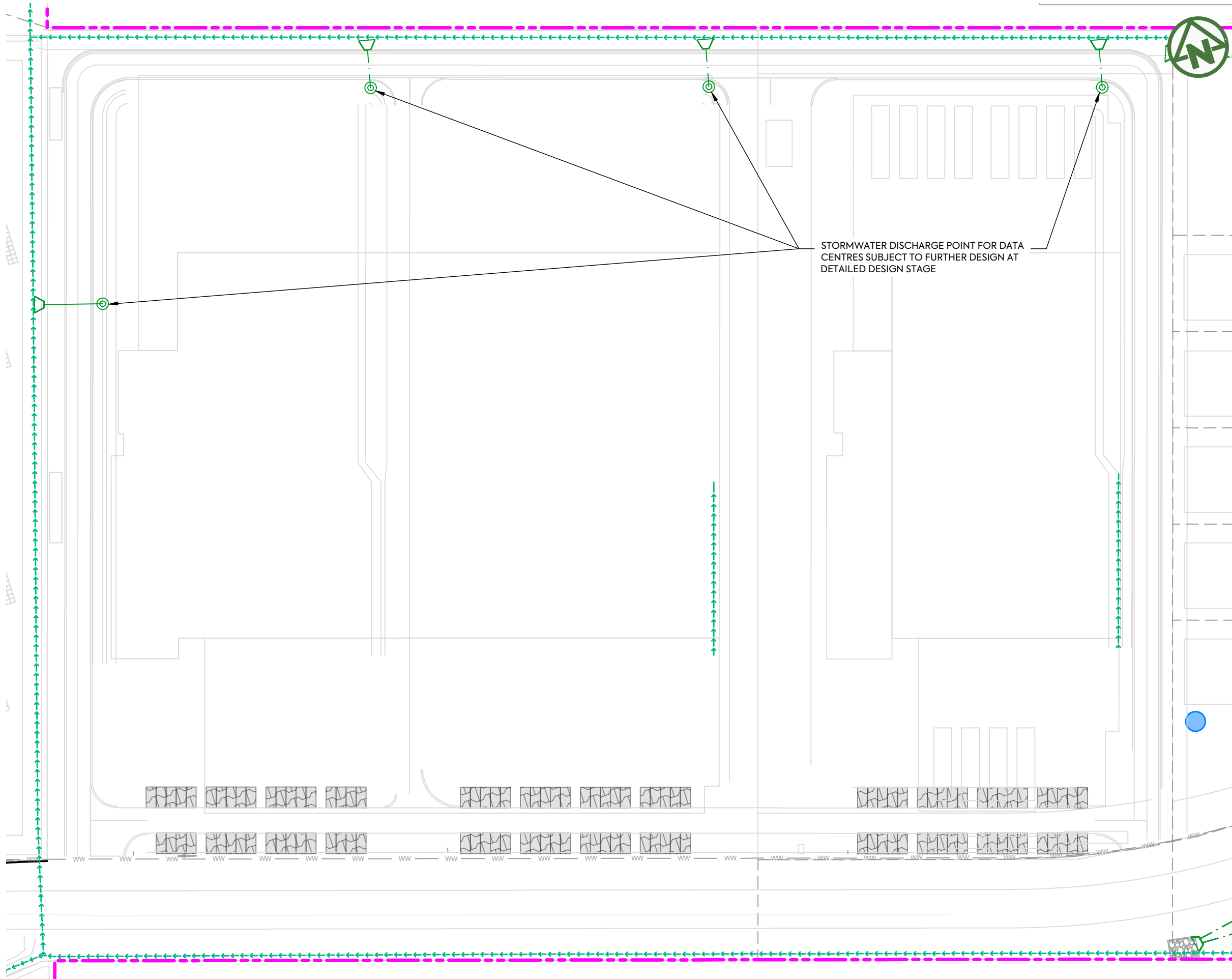
NOTES:

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LEGEND:

- SITE BOUNDARY
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- PROPOSED STORMWATER
- PROPOSED LOW PRESSURE WASTEWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER CATCHPIT
- PROPOSED STORMWATER HEADWALL
- STORMWATER LOT CONNECTION
- STREAM
- PROPOSED SWALE
- PROPOSED CONSTRUCTED WETLAND
- PROPOSED RAINGARDEN
- PROPOSED PERVIOUS PAVERS

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PLAN SHEET 22</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>																													
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <table border="0"> <tr> <td style="width: 10%;">C</td> <td style="width: 80%;">DRAWING UPDATED</td> <td style="width: 10%;">AL</td> <td style="width: 10%;">SL</td> <td style="width: 10%;">JK</td> <td style="width: 10%;">24/04/26</td> </tr> <tr> <td>B</td> <td>DRAWING UPDATED</td> <td>AL</td> <td>SL</td> <td>JK</td> <td>13/01/26</td> </tr> <tr> <td>A</td> <td>FIRST ISSUE</td> <td>AL</td> <td>SL</td> <td>JK</td> <td>07/11/25</td> </tr> </table> </td> <td style="width: 50%; font-size: x-small;"> <table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">REV</td> <td style="width: 80%;">DESCRIPTION</td> <td style="width: 10%;">DRN BY</td> <td style="width: 10%;">CHK BY</td> <td style="width: 10%;">APP BY</td> <td style="width: 10%;">DATE</td> </tr> </table> </td> </tr> </table>	<table border="0"> <tr> <td style="width: 10%;">C</td> <td style="width: 80%;">DRAWING UPDATED</td> <td style="width: 10%;">AL</td> <td style="width: 10%;">SL</td> <td style="width: 10%;">JK</td> <td style="width: 10%;">24/04/26</td> </tr> <tr> <td>B</td> <td>DRAWING UPDATED</td> <td>AL</td> <td>SL</td> <td>JK</td> <td>13/01/26</td> </tr> <tr> <td>A</td> <td>FIRST ISSUE</td> <td>AL</td> <td>SL</td> <td>JK</td> <td>07/11/25</td> </tr> </table>	C	DRAWING UPDATED	AL	SL	JK	24/04/26	B	DRAWING UPDATED	AL	SL	JK	13/01/26	A	FIRST ISSUE	AL	SL	JK	07/11/25	<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">REV</td> <td style="width: 80%;">DESCRIPTION</td> <td style="width: 10%;">DRN BY</td> <td style="width: 10%;">CHK BY</td> <td style="width: 10%;">APP BY</td> <td style="width: 10%;">DATE</td> </tr> </table>	REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">SCALE: 1:500</td> <td style="width: 50%;">REV:</td> </tr> <tr> <td>DO NOT SCALE</td> <td></td> </tr> <tr> <td>DRAWING NO: 3325-2-4023</td> <td style="text-align: right;">C</td> </tr> </table>	SCALE: 1:500	REV:	DO NOT SCALE		DRAWING NO: 3325-2-4023	C
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STREAM	
PROPOSED SWALE	
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PROPOSED RAINGARDEN	
PROPOSED PERVIOUS PAVERS	

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

STORMWATER
PLAN
SHEET 23

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:1000

DO NOT SCALE

DRAWING NO:

3325-2-4024

REV:

B

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25



DISCHARGE TO EXISTING STREAM

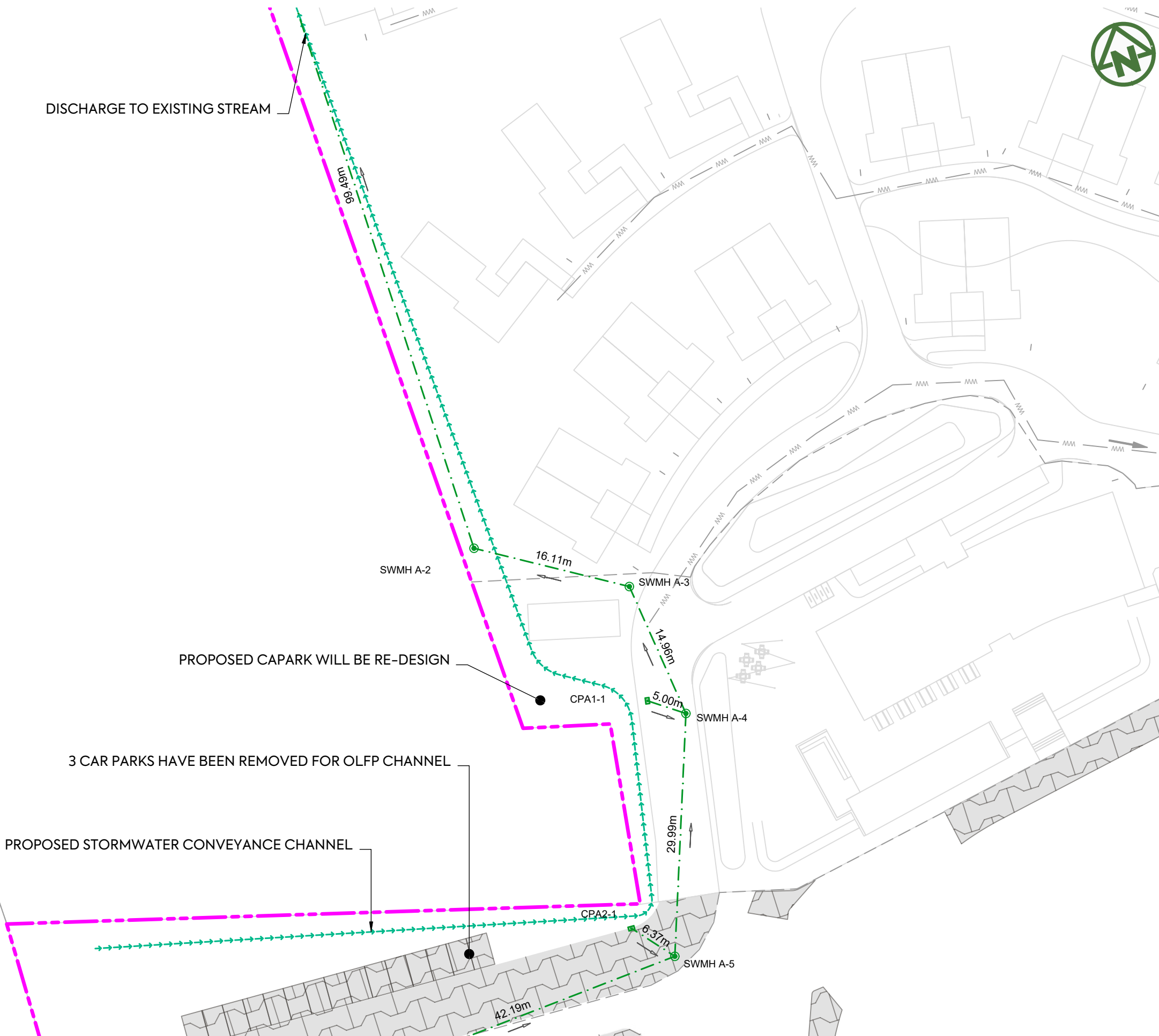


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PROPOSED PERVIOUS PAVERS	



PROPOSED CAPARK WILL BE RE-DESIGN

3 CAR PARKS HAVE BEEN REMOVED FOR OLFP CHANNEL

PROPOSED STORMWATER CONVEYANCE CHANNEL

CLIENT: PROJECT: TITLE: PURPOSE OF ISSUE:



AW HOLDINGS 2021 LIMITED

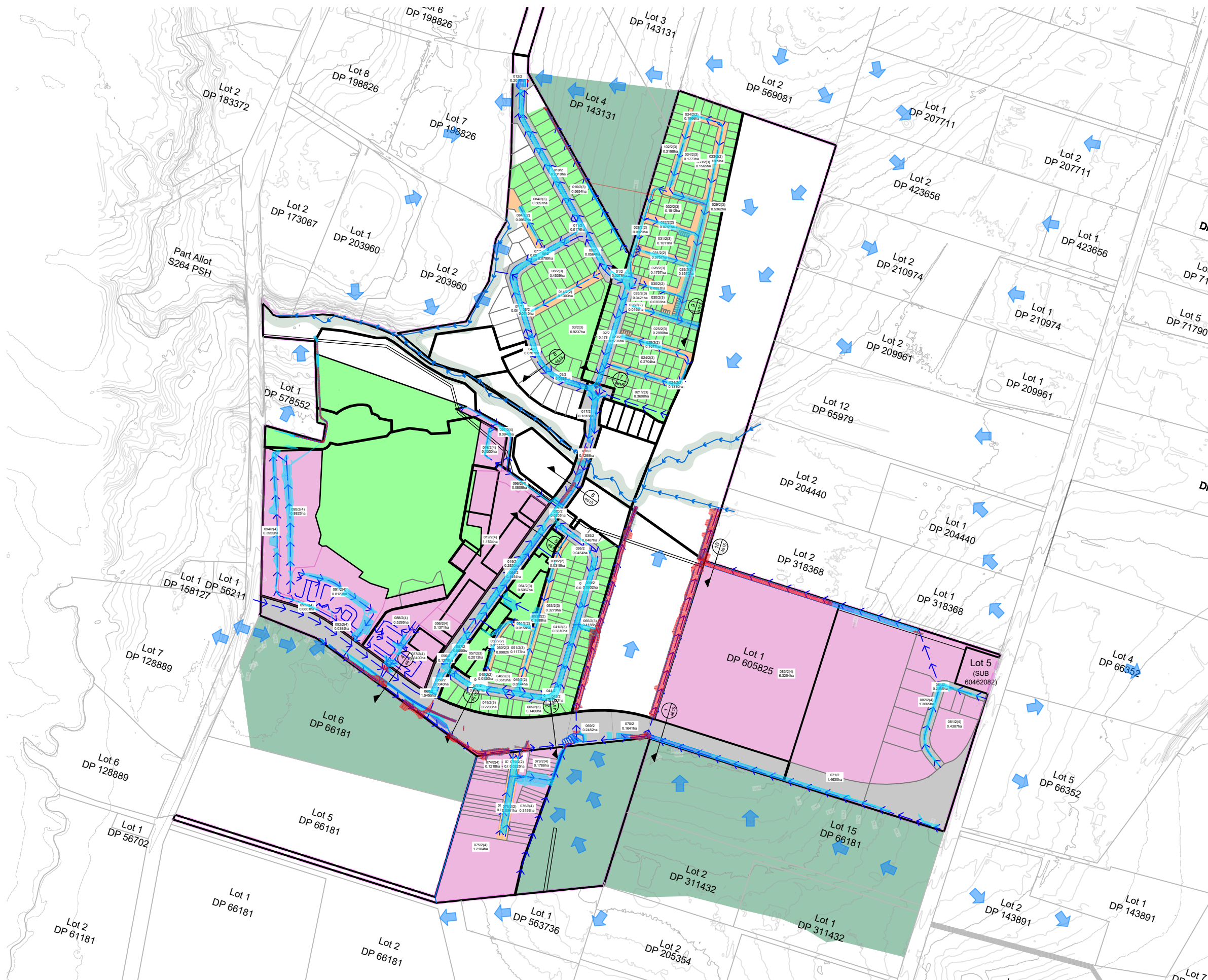
AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
PLAN
BOUNDARY CHANNEL

FOR INFORMATION

SCALE:
1:500
DO NOT SCALE
DRAWING NO. 3325-2-4025
REV: A

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	ZW	SL	JK	2025-11-12



NOTES:

- OVERLAND FLOWS WAS COMPUTED BY ARC TP 108 METHOD AT 1% AEP STORM RAINFALL, WITH 3.8°C CLIMATE CHANGE. DESIGN RAINFALL INTENSITY = 214.9mm/hr
- MANNING'S ROUGHNESS ADOPT AS FOLLOW:
0.02 CONCRETE CHANNEL
0.035 GRASS SWALE
- FLOW DEPTHS AND VELOCITIES WERE MODELLED FROM HYDRAULIC TOOLBOX SOFTWARE.

LEGEND

- (1) CATCHMENT ROADS @ 65% IMPERVIOUSNESS
- (2) CATCHMENT JOALS @ 95% IMPERVIOUSNESS
- (3) CATCHMENT RESIDENCYs @ 60% IMPERVIOUSNESS
- (4) CATCHMENT INDUSTRY/COMMERCIAL @ 100% IMPERVIOUSNESS
- (5) CATCHMENT UPSTREAM UNDEVELOPED @ 5% IMPERVIOUSNESS
- 1% AEP OLFP SPREAD
- EXISTING STREAM & RIPARIAN PLANTING
- POST DEVELOPMENT FLOOD PLAIN
- PEDESTRIAN SAFETY HAZARD
0.4 m²/s < DxV < 0.6 m²/s
*NO OBVIOUS DANGER - TABLE 3, ROAD DRAIN, TDM v1.2

CLIENT:

AW HOLDINGS 2021 LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

STORMWATER
1% AEP CATCHMENT
PLAN
OVERALL

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:5000 @ A3

DO NOT SCALE

DRAWING NO:

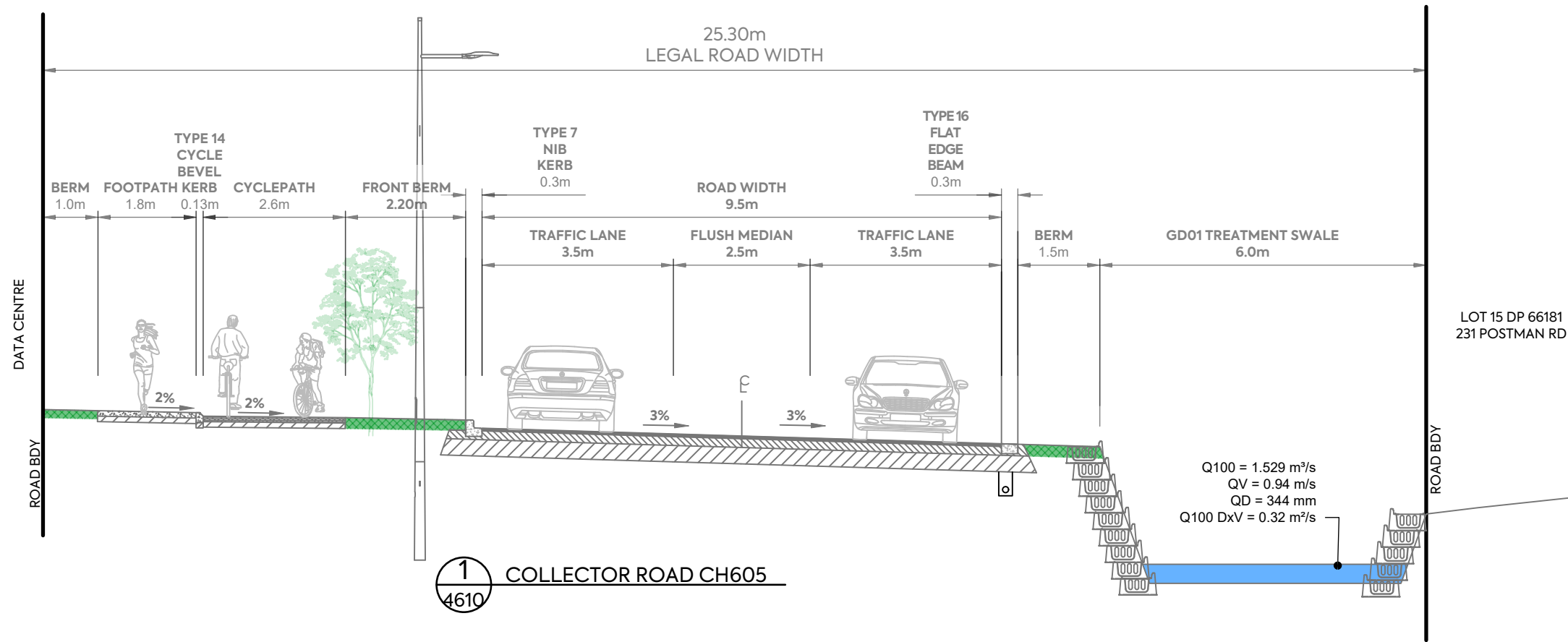
3725-2-4610

REV:

C

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
C	DRAWING UPDATED	AL	SL	JK	24/04/26
B		SJO	SL	JK	15/04/26
A	FIRST ISSUE	DK	-	-	04/12/25

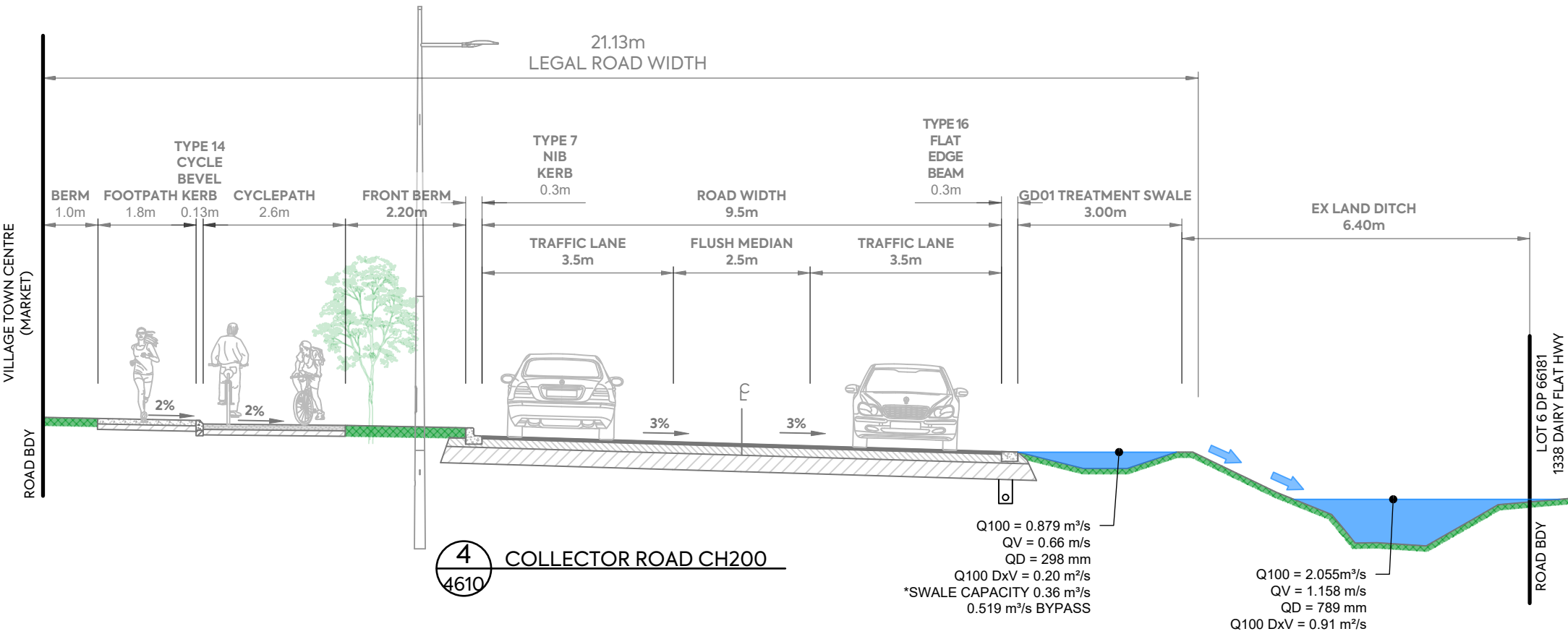




Section 1 Collector Road Q=1.529 m³/s

Parameter	Value	Units
Flow	1.529	cms
Depth	0.344	m
Area of Flow	1.627	m ²
Wetted Perimeter	5.331	m
Hydraulic Radius	0.305	m
Average Velocity	0.940	m/s
Top Width (T)	4.849	m
Froude Number	0.518	
Critical Depth	0.223	m
Critical Velocity	1.466	m/s
Critical Slope	0.02095	m/m
Critical Top Width	4.760	m
Calculated Max Shear Stress	16.884	N/m ²
Calculated Avg Shear Stress	14.959	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0341	

Enter Flow: 1.529 (cms)
Enter Depth: 0.344 (m)



Section 4a Collector Road Q=0.360 m³/s (Swale)

Parameter	Value	Units
Flow	0.360	cms
Depth	0.298	m
Area of Flow	0.549	m ²
Wetted Perimeter	2.970	m
Hydraulic Radius	0.185	m
Average Velocity	0.656	m/s
Top Width (T)	2.885	m
Froude Number	0.480	
Critical Depth	0.204	m
Critical Velocity	1.166	m/s
Critical Slope	0.02404	m/m
Critical Top Width	2.227	m
Calculated Max Shear Stress	14.605	N/m ²
Calculated Avg Shear Stress	9.060	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0350	

Enter Flow: 0.360 (cms)
Enter Depth: 0.298 (m)

Section 4b Collector Road Q=2.055 m³/s (Bypass)

Parameter	Value	Units
Flow	2.055	cms
Depth	0.789	m
Area of Flow	1.774	m ²
Wetted Perimeter	4.087	m
Hydraulic Radius	0.434	m
Average Velocity	1.158	m/s
Top Width (T)	3.583	m
Froude Number	0.525	
Critical Depth	0.557	m
Critical Velocity	1.950	m/s
Critical Slope	0.01968	m/m
Critical Top Width	2.686	m
Calculated Max Shear Stress	38.651	N/m ²
Calculated Avg Shear Stress	21.276	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0350	

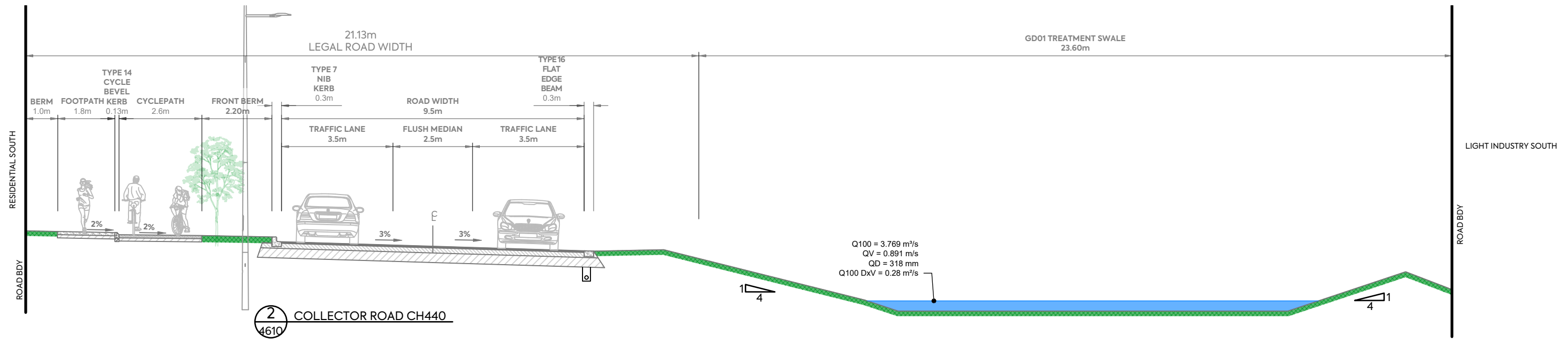
Enter Flow: 2.055 (cms)
Enter Depth: 0.789 (m)

CLIENT: AW HOLDINGS 2021 LIMITED
PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND
TITLE: STORMWATER 1% AEP CATCHMENT CROSS SECTION
PURPOSE OF ISSUE: RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	DK	-	-	04/12/25

SCALE: 1:100 @ A3
DRAWING NO: 3725-2-4615
REV: A



2 COLLECTOR ROAD CH440
4610

Section 2 Collector Road Q=3.769 m/s

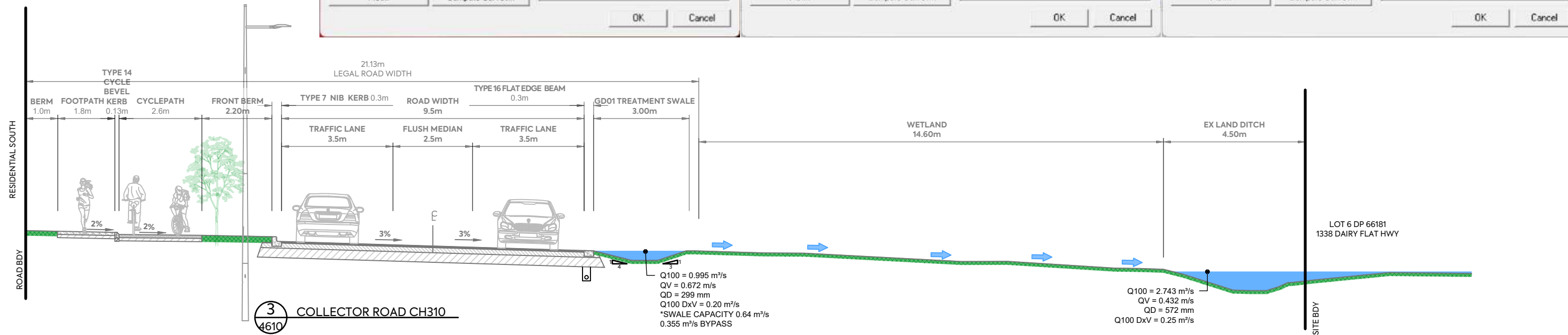
Parameter	Value	Units
Flow	3.769	cms
Depth	0.318	m
Area of Flow	4.230	m ²
Wetted Perimeter	14.445	m
Hydraulic Radius	0.293	m
Average Velocity	0.891	m/s
Top Width (T)	14.349	m
Froude Number	0.524	
Critical Depth	0.208	m
Critical Velocity	1.395	m/s
Critical Slope	0.02075	m/m
Critical Top Width	13.637	m
Calculated Max Shear Stress	15.566	N/m ²
Calculated Avg Shear Stress	14.353	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0350	

Section 3a Collector Road Q=0.640 m/s (Swale)

Parameter	Value	Units
Flow	0.640	cms
Depth	0.299	m
Area of Flow	0.953	m ²
Wetted Perimeter	7.367	m
Hydraulic Radius	0.129	m
Average Velocity	0.672	m/s
Top Width (T)	7.307	m
Froude Number	0.594	
Critical Depth	0.244	m
Critical Velocity	1.058	m/s
Critical Slope	0.01650	m/m
Critical Top Width	5.301	m
Calculated Max Shear Stress	14.645	N/m ²
Calculated Avg Shear Stress	6.339	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0269	

Section 3b Collector Road Q=2.743 m/s (Bypass)

Parameter	Value	Units
Flow	2.743	cms
Depth	0.572	m
Area of Flow	6.345	m ²
Wetted Perimeter	64.190	m
Hydraulic Radius	0.099	m
Average Velocity	0.432	m/s
Top Width (T)	63.999	m
Froude Number	0.438	
Critical Depth	0.530	m
Critical Velocity	0.750	m/s
Critical Slope	0.03126	m/m
Critical Top Width	63.845	m
Calculated Max Shear Stress	28.056	N/m ²
Calculated Avg Shear Stress	4.845	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0350	



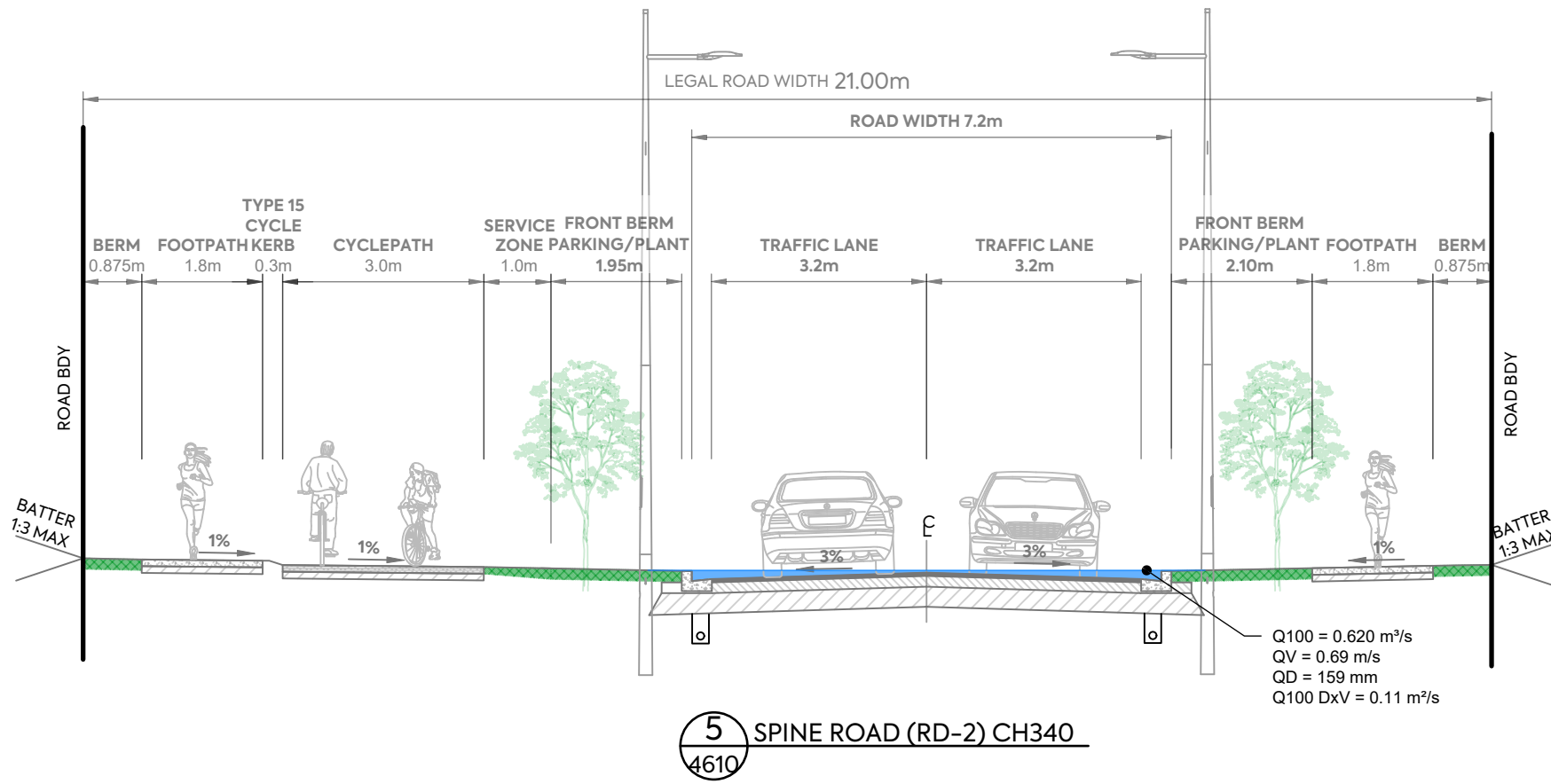
3 COLLECTOR ROAD CH310
4610

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER 1% AEP CATCHMENT CROSS SECTION PURPOSE OF ISSUE: RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	DK			04/12/25

SCALE: 1:200 @ A3
DO NOT SCALE
DRAWING NO: 3725-2-4616 REV: A

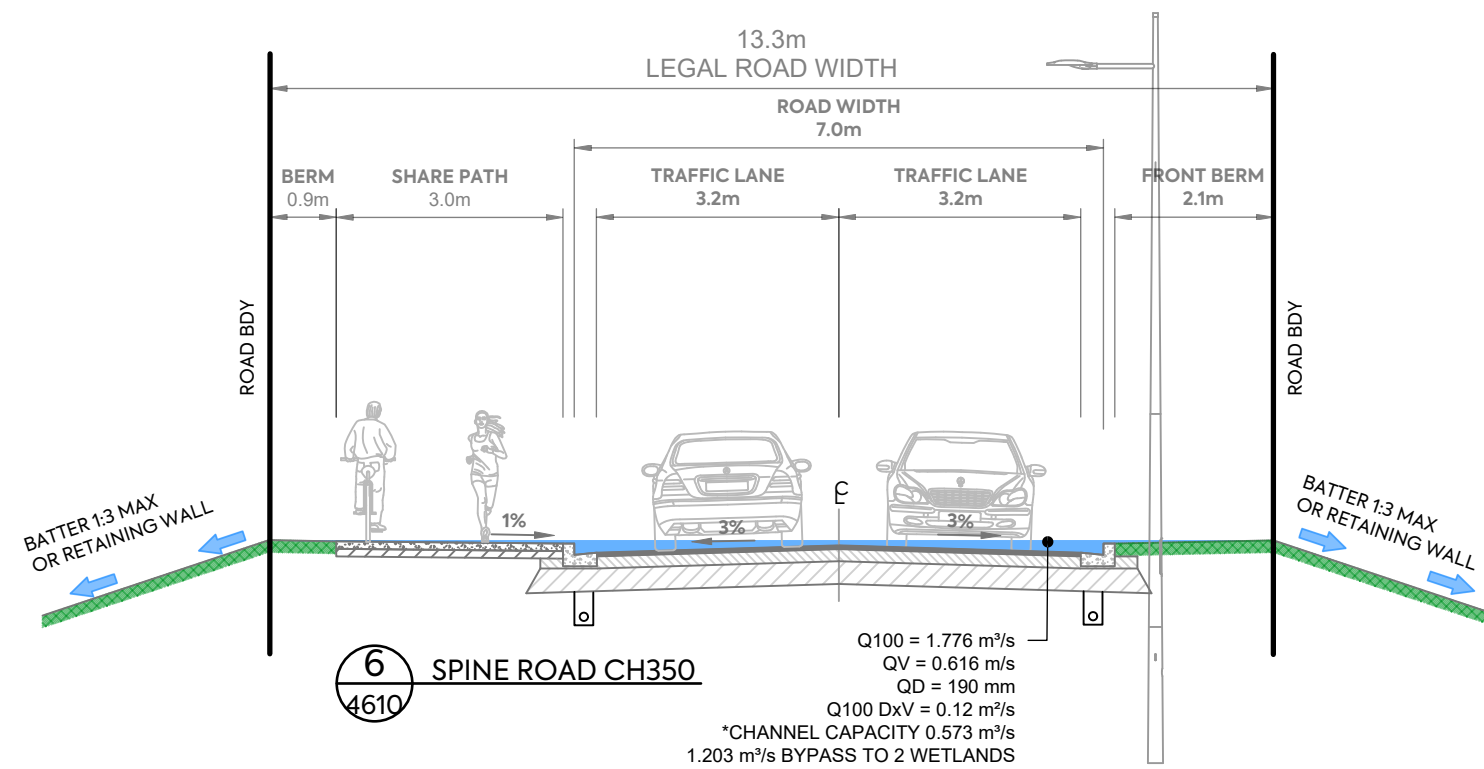


Section 5 Spine Road (RD-2) Q=0.620 m/s

Parameter	Value	Units
Flow	0.620	cms
Depth	0.159	m
Area of Flow	0.900	m ²
Wetted Perimeter	10.467	m
Hydraulic Radius	0.086	m
Average Velocity	0.689	m/s
Top Width (T)	10.261	m
Froude Number	0.742	
Critical Depth	0.140	m
Critical Velocity	0.868	m/s
Critical Slope	0.00951	m/m
Critical Top Width	9.313	m
Calculated Max Shear Stress	7.804	N/m ²
Calculated Avg Shear Stress	4.215	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0200	

Enter Flow: 0.620 (cms)
Enter Depth: 0.159 (m)

Calculate Plot... Compute Curves... OK Cancel



Section 6 Spine Road (RD-2) Q=1.776 m/s

Parameter	Value	Units
Flow	0.573	cms
Depth	0.190	m
Area of Flow	0.931	m ²
Wetted Perimeter	12.799	m
Hydraulic Radius	0.073	m
Average Velocity	0.616	m/s
Top Width (T)	12.495	m
Froude Number	0.720	
Critical Depth	0.167	m
Critical Velocity	0.847	m/s
Critical Slope	0.00980	m/m
Critical Top Width	9.257	m
Calculated Max Shear Stress	9.312	N/m ²
Calculated Avg Shear Stress	3.564	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0200	

Enter Flow: 0.573 (cms)
Enter Depth: 0.190 (m)

Calculate Plot... Compute Curves... OK Cancel



AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
1% AEP CATCHMENT
CROSS SECTION

PURPOSE OF ISSUE:
RESOURCE CONSENT

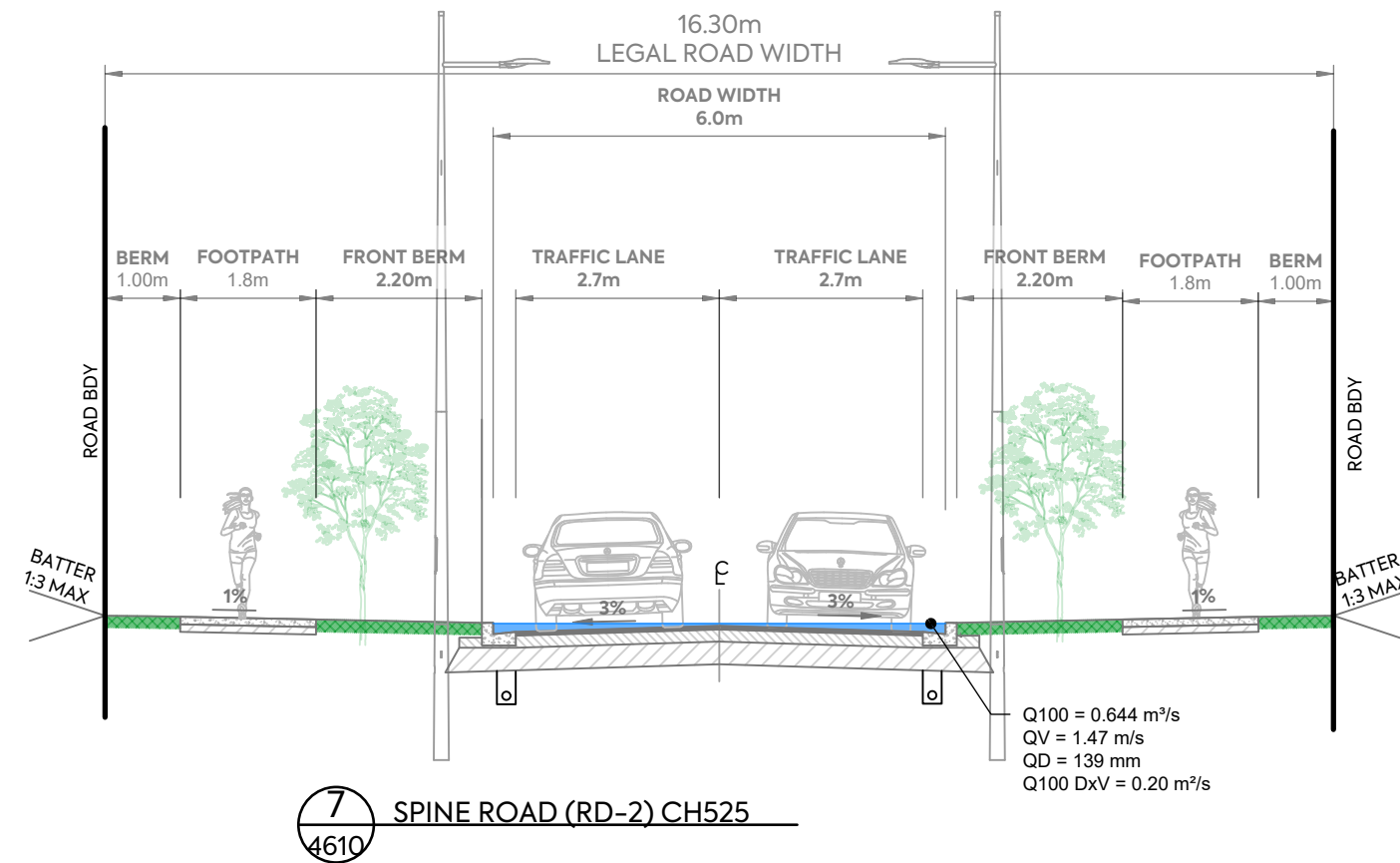
SCALE:
1:100 @ A3

DO NOT SCALE

DRAWING NO:
3725-2-4617

REV:
A

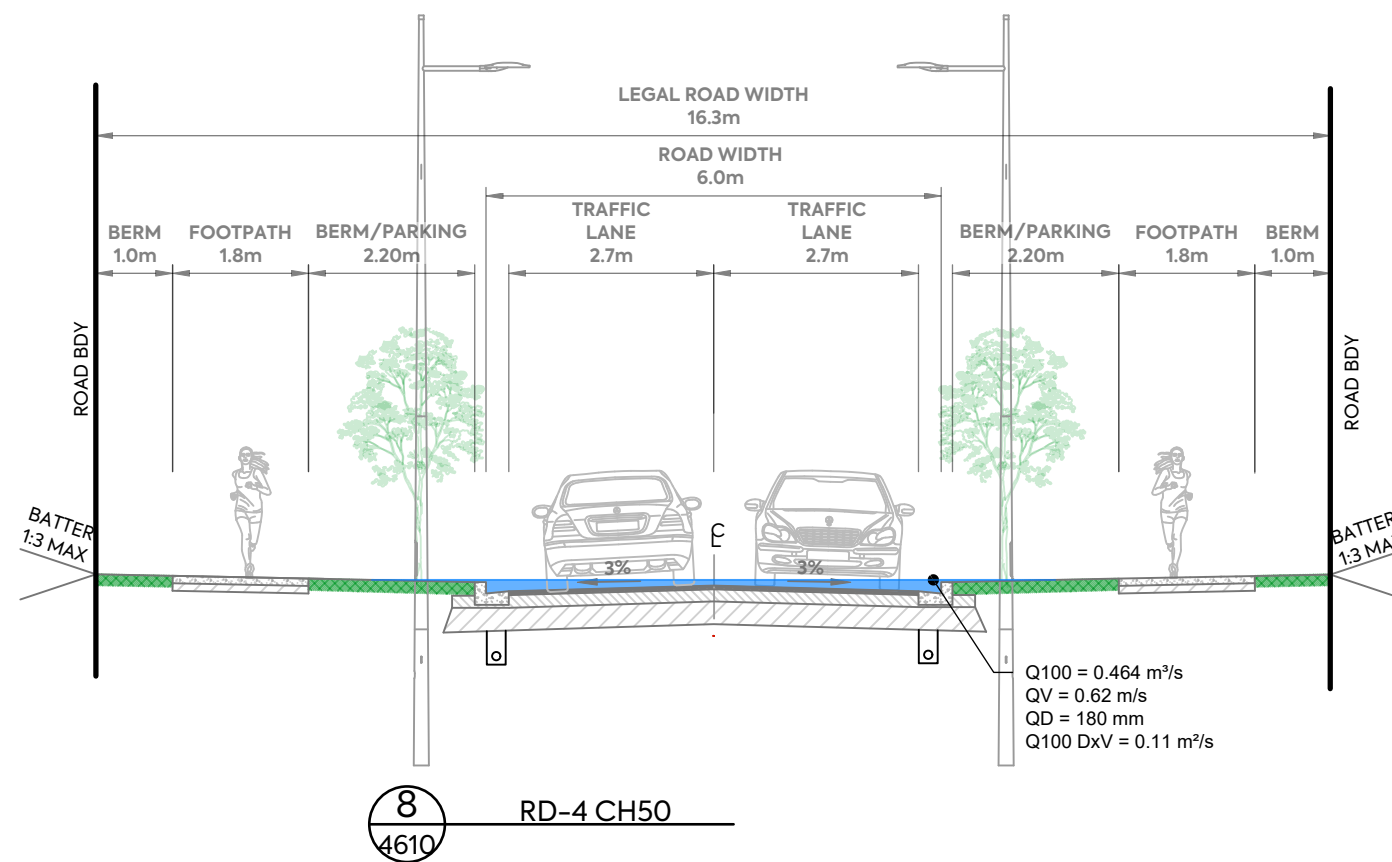
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	DK	-	-	04/12/25



Section 7 Spine Road (RD-2) Q=0.644 m/s

Parameter	Value	Units
Flow	0.644	cms
Depth	0.139	m
Area of Flow	0.439	m ²
Wetted Perimeter	6.283	m
Hydraulic Radius	0.070	m
Average Velocity	1.468	m/s
Top Width (T)	6.002	m
Froude Number	1.734	
Critical Depth	0.180	m
Critical Velocity	0.865	m/s
Critical Slope	0.00964	m/m
Critical Top Width	9.753	m
Calculated Max Shear Stress	40.736	N/m ²
Calculated Avg Shear Stress	20.529	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0200	

Q100 = 0.644 m³/s
QV = 1.47 m/s
QD = 139 mm
Q100 DxV = 0.20 m²/s



Section 8 RD-4 Q=0.464 m/s

Parameter	Value	Units
Flow	0.464	cms
Depth	0.180	m
Area of Flow	0.744	m ²
Wetted Perimeter	10.029	m
Hydraulic Radius	0.074	m
Average Velocity	0.624	m/s
Top Width (T)	9.725	m
Froude Number	0.720	
Critical Depth	0.150	m
Critical Velocity	0.912	m/s
Critical Slope	0.00954	m/m
Critical Top Width	6.002	m
Calculated Max Shear Stress	8.805	N/m ²
Calculated Avg Shear Stress	3.634	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0200	

Q100 = 0.464 m³/s
QV = 0.62 m/s
QD = 180 mm
Q100 DxV = 0.11 m²/s

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

STORMWATER
1% AEP CATCHMENT
CROSS SECTION

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:100 @ A3

DO NOT SCALE

DRAWING NO:

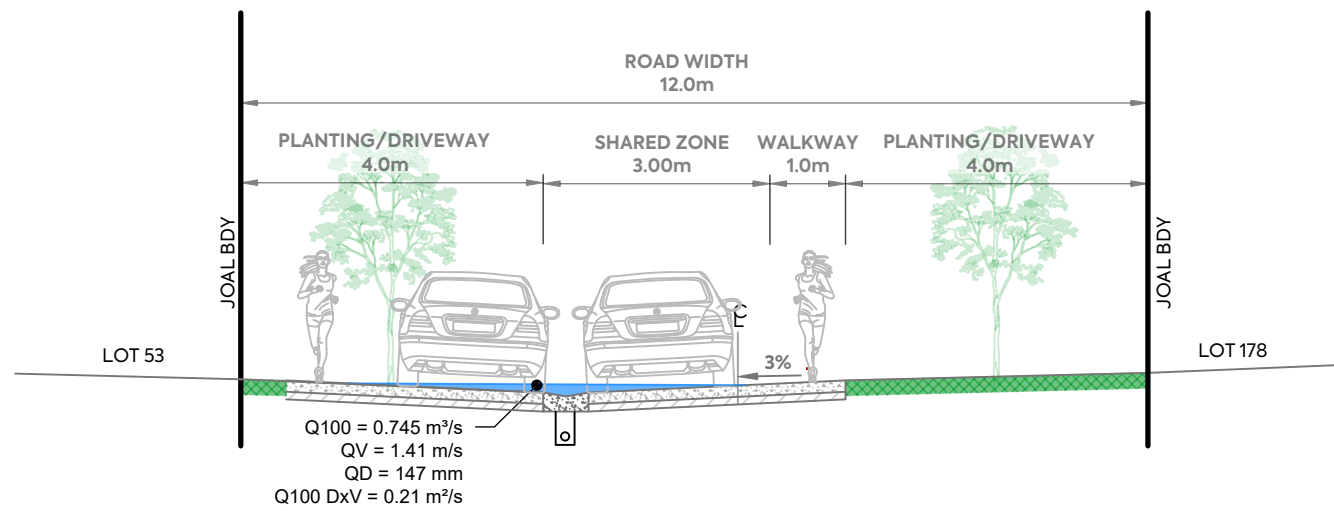
3725-2-4618

REV:

A



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	DK	-	-	04/12/25



9 JOAL 9 CH100
4610

Section 9 JOAL 9 Q=0.745 m/s

Parameter	Value	Units
Flow	0.745	cms
Depth	0.147	m
Area of Flow	0.529	m ²
Wetted Perimeter	8.083	m
Hydraulic Radius	0.065	m
Average Velocity	1.407	m/s
Top Width (T)	8.074	m
Froude Number	1.754	
Critical Depth	0.179	m
Critical Velocity	0.921	m/s
Critical Slope	0.00889	m/m
Critical Top Width	9.356	m
Calculated Max Shear Stress	43.326	N/m ²
Calculated Avg Shear Stress	19.261	N/m ²
Composite Manning's n Equ...	Lotter ...	
Manning's Roughness	0.0200	

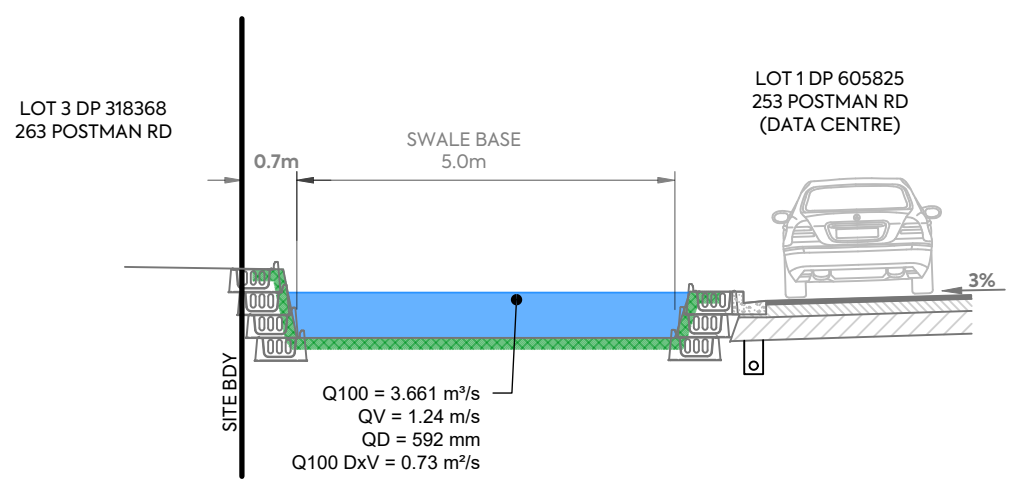
Type: Cross Section
 Side Slope 1 (Z1): 0.0 H:1V
 Side Slope 2 (Z2): 0.0 H:1V
 Channel Width (B): 0.0 (m)
 Pipe Diameter (D): 0.0 (m)
 Longitudinal Slope: 0.03 (m/m)
 Manning's Roughness: 0.0200

Enter Flow: 0.745 (cms)
 Enter Depth: 0.147 (m)

Calculate

Plot... Compute Curves...

OK Cancel



10 DATA CENTRE
4610

Section 10 Data Centre Q=3.661 m/s

Parameter	Value	Units
Flow	3.661	cms
Depth	0.592	m
Area of Flow	2.961	m ²
Wetted Perimeter	6.184	m
Hydraulic Radius	0.479	m
Average Velocity	1.236	m/s
Top Width (T)	5.000	m
Froude Number	0.513	
Critical Depth	0.379	m
Critical Velocity	1.930	m/s
Critical Slope	0.02005	m/m
Critical Top Width	5.000	m
Calculated Max Shear Stress	29.022	N/m ²
Calculated Avg Shear Stress	23.464	N/m ²

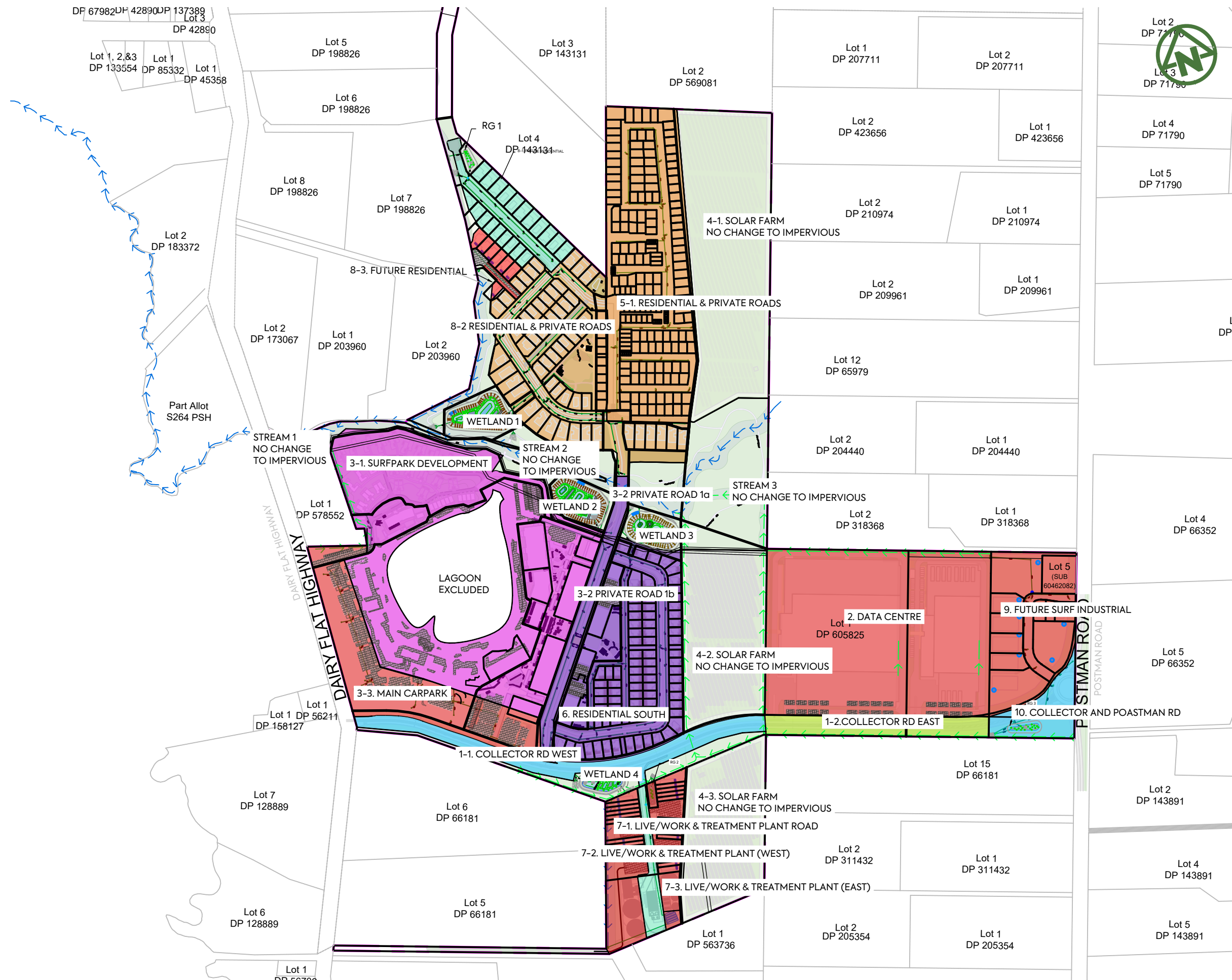
Type: Rectangular
 Side Slope 1 (Z1): 0.0 H:1V
 Side Slope 2 (Z2): 0.0 H:1V
 Channel Width (B): 4.999999 (m)
 Pipe Diameter (D): 0.0 (m)
 Longitudinal Slope: 0.005 (m/m)
 Manning's Roughness: 0.0350

Enter Flow: 3.661 (cms)
 Enter Depth: 0.592 (m)

Calculate

Plot... Compute Curves...

OK Cancel



- NOTES:**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CONSTRUCTED WETLAND 1 CATCHMENT	
CONSTRUCTED WETLAND 2 CATCHMENT	
CONSTRUCTED WETLAND 3 CATCHMENT	
CONSTRUCTED WETLAND 4 CATCHMENT	
TREATMENT WITHIN OWN LOT	
TREATMENT SWALE CATCHMENT	
RAINGARDEN CATCHMENT	
PERVIOUS PAVERS (SELF MITIGATING)	

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
C	DRAWING UPDATED	AL	SL	JK	24/04/26
B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25



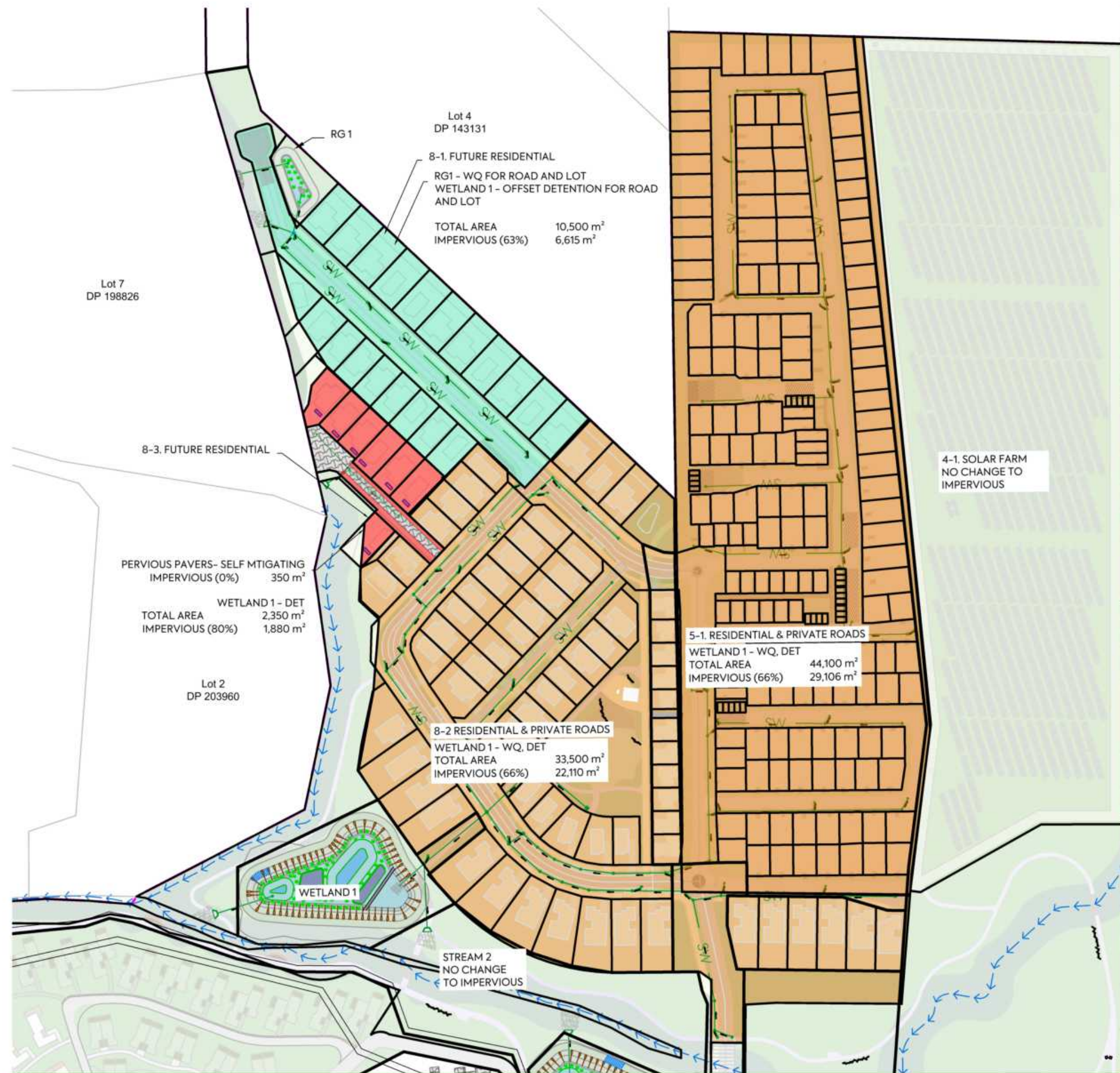
CLIENT: AW HOLDINGS 2021 LIMITED
 PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND
 TITLE: STORMWATER TREATMENT DEVICES CATCHMENTS OVERALL
 PURPOSE OF ISSUE: FOR RESOURCE CONSENT
 SCALE: 1:5000
 DO NOT SCALE
 DRAWING NO: 3325-2-4640
 REV: C



D

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS



LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- CATCHMENT BOUNDARY
- CONSTRUCTED WETLAND 1 CATCHMENT
- CONSTRUCTED WETLAND 2 CATCHMENT
- CONSTRUCTED WETLAND 3 CATCHMENT
- CONSTRUCTED WETLAND 4 CATCHMENT
- TREATMENT WITHIN OWN LOT
- TREATMENT SWALE CATCHMENT
- RAINGARDEN CATCHMENT
- PERVIOUS PAVERS (SELF MITIGATING)

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: STORMWATER TREATMENT DEVICES CATCHMENTS PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25

SCALE: 1:2000
DO NOT SCALE
DRAWING NO: 3325-2-4641
REV: B



3-1. SURFPARK DEVELOPMENT
 WETLAND 2 - WQ, DETENTION
 TOTAL AREA 67,000 m²
 IMPERVIOUS (72%) 48,000 m²

3-3. MAIN CARPARK
 SELF MANAGING BY ONSITE RAINGARDENS & PERVIOUS PAVERS - WQ, DETENTION
 TOTAL AREA 22,450 m²
 IMPERVIOUS (18%) 4,000 m²

- NOTES:**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CONSTRUCTED WETLAND 1 CATCHMENT	
CONSTRUCTED WETLAND 2 CATCHMENT	
CONSTRUCTED WETLAND 3 CATCHMENT	
CONSTRUCTED WETLAND 4 CATCHMENT	
TREATMENT WITHIN OWN LOT	
TREATMENT SWALE CATCHMENT	
RAINGARDEN CATCHMENT	
PERVIOUS PAVERS (SELF MITIGATING)	

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER TREATMENT DEVICES CATCHMENTS</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
			<p>SCALE: 1:2000</p>
			<p>DO NOT SCALE</p>
			<p>DRAWING NO.: 3325-2-4642</p>
			<p>REV: B</p>

B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE





DEVELOPMENT
WQ, DETENTION
67,000 m²
72%) 48,000 m²

3-2 PRIVATE ROAD 1a
WETLAND 3 - WQ, DETENTION
TOTAL AREA 1,580 m²
IMPERVIOUS (80%) 1,264 m²

STREAM 3
NO CHANGE TO IMPERVIOUS

Lot 2
DP 318368

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LAGOON
EXCLUDED

3-2 PRIVATE ROAD 1b
WETLAND 3 - WQ, DETENTION
TOTAL AREA 5,400 m²
IMPERVIOUS (80%) 4,320 m²

Lot 1
DP 605825

6. RESIDENTIAL SOUTH
WETLAND 3 - WQ, DETENTION
TOTAL AREA 36,900 m²
IMPERVIOUS (62%) 22,890 m²

4-2. SOLAR FARM
NO CHANGE TO IMPERVIOUS

LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- CATCHMENT BOUNDARY
- CONSTRUCTED WETLAND 1 CATCHMENT
- CONSTRUCTED WETLAND 2 CATCHMENT
- CONSTRUCTED WETLAND 3 CATCHMENT
- CONSTRUCTED WETLAND 4 CATCHMENT
- TREATMENT WITHIN OWN LOT
- TREATMENT SWALE CATCHMENT
- RAINGARDEN CATCHMENT
- PERVIOUS PAVERS (SELF MITIGATING)

Lot 6
DP 66181

4-3. SOLAR FARM
NO CHANGE TO IMPERVIOUS

CLIENT: PROJECT: TITLE:

PURPOSE OF ISSUE:



AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
TREATMENT DEVICES
CATCHMENTS

FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:
3325-2-4643

REV:
B

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25

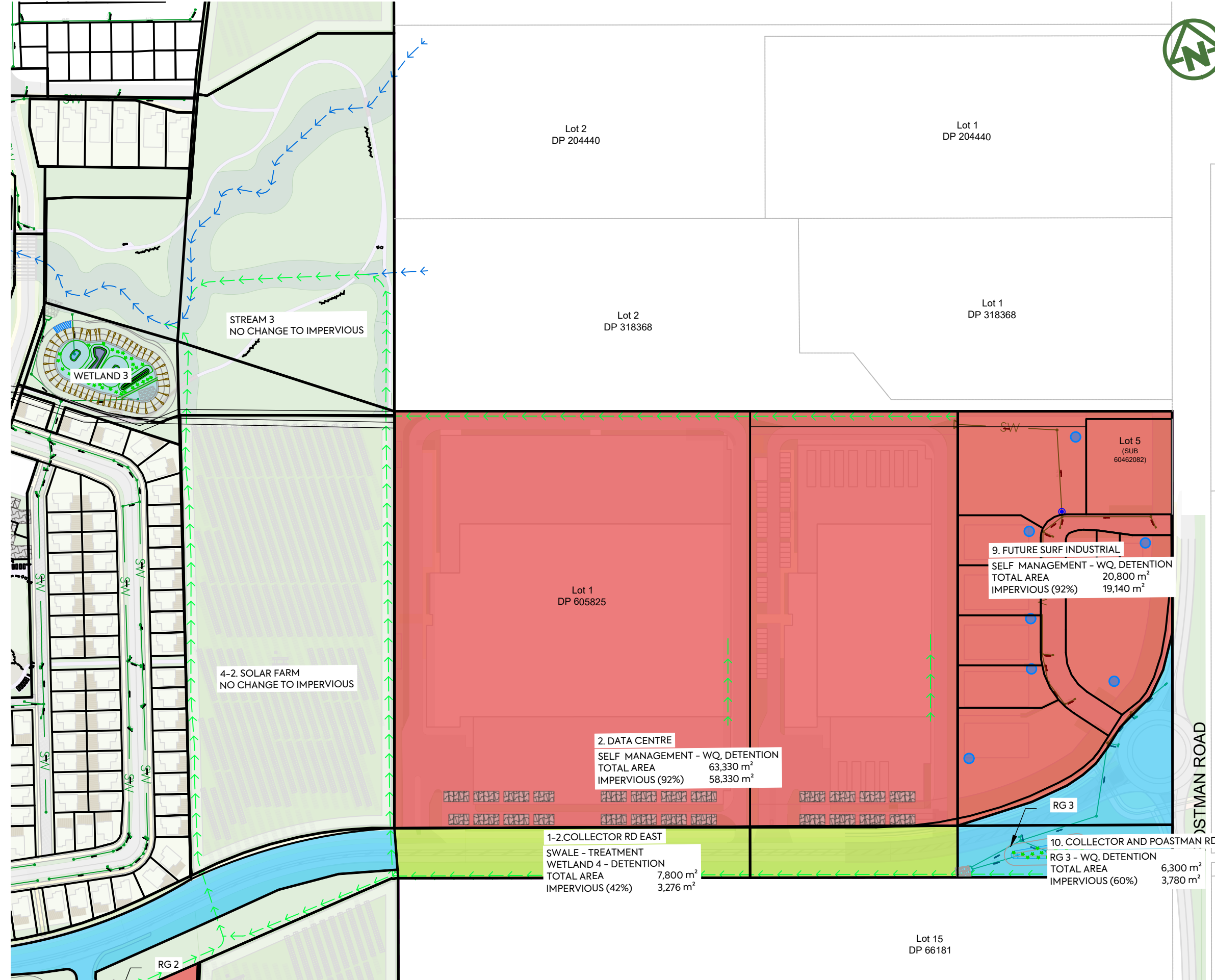


- NOTES:**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CONSTRUCTED WETLAND 1 CATCHMENT	
CONSTRUCTED WETLAND 2 CATCHMENT	
CONSTRUCTED WETLAND 3 CATCHMENT	
CONSTRUCTED WETLAND 4 CATCHMENT	
TREATMENT WITHIN OWN LOT	
TREATMENT SWALE CATCHMENT	
RAINGARDEN CATCHMENT	
PERVIOUS PAVERS (SELF MITIGATING)	

<p>MCKENZIE & CO.</p> <p>SH SL JK 13/01/26 AL SL JK 11/07/25</p> <p>DRN BY CHK BY APP BY DATE</p>	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER TREATMENT DEVICES CATCHMENTS</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p> <p>SCALE: 1:2000 DO NOT SCALE</p> <p>DRAWING NO: 3325-2-4644 REV: B</p>
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NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- CATCHMENT BOUNDARY
- CONSTRUCTED WETLAND 1 CATCHMENT
- CONSTRUCTED WETLAND 2 CATCHMENT
- CONSTRUCTED WETLAND 3 CATCHMENT
- CONSTRUCTED WETLAND 4 CATCHMENT
- TREATMENT WITHIN OWN LOT
- TREATMENT SWALE CATCHMENT
- RAINGARDEN CATCHMENT
- PERVIOUS PAVERS (SELF MITIGATING)

STREAM 3
NO CHANGE TO IMPERVIOUS

WETLAND 3

4-2. SOLAR FARM
NO CHANGE TO IMPERVIOUS

Lot 2
DP 204440

Lot 1
DP 204440

Lot 2
DP 318368

Lot 1
DP 318368

Lot 1
DP 605825

Lot 5
(SUB
60462082)

9. FUTURE SURF INDUSTRIAL
SELF MANAGEMENT - WQ, DETENTION
TOTAL AREA 20,800 m²
IMPERVIOUS (92%) 19,140 m²

2. DATA CENTRE
SELF MANAGEMENT - WQ, DETENTION
TOTAL AREA 63,330 m²
IMPERVIOUS (92%) 58,330 m²

1-2.COLLECTOR RD EAST
SWALE - TREATMENT
WETLAND 4 - DETENTION
TOTAL AREA 7,800 m²
IMPERVIOUS (42%) 3,276 m²

10. COLLECTOR AND POASTMAN RD
RG 3 - WQ, DETENTION
TOTAL AREA 6,300 m²
IMPERVIOUS (60%) 3,780 m²

Lot 15
DP 66181

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

STORMWATER
TREATMENT DEVICES
CATCHMENTS

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
D	DRAWING UPDATED	AL	SL	JK	24/04/26
C		SJO	SL	JK	15/04/26
B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25



MCKENZIE & CO.

SCALE:
1:2000

DO NOT SCALE

DRAWING NO. REV:

3325-2-4645 D



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 465 FOR CATCHMENT CALCULATIONS

LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- CATCHMENT BOUNDARY
- CONSTRUCTED WETLAND 1 CATCHMENT
- CONSTRUCTED WETLAND 2 CATCHMENT
- CONSTRUCTED WETLAND 3 CATCHMENT
- CONSTRUCTED WETLAND 4 CATCHMENT
- TREATMENT WITHIN OWN LOT
- TREATMENT SWALE CATCHMENT
- RAINGARDEN CATCHMENT
- PERVIOUS PAVERS (SELF MITIGATING)

1-1. COLLECTOR RD WEST
 WETLAND 4 - WQ, DETENTION
 TOTAL AREA 10,550 m²
 IMPERVIOUS (42%) 4,431 m²

1-2. COLLECTOR RD EAST
 SWALE - TREATMENT
 WETLAND 4 - DETENTION
 TOTAL AREA 7,800 m²
 IMPERVIOUS (42%) 3,276 m²

4-2. SOLAR FARM
 NO CHANGE TO IMPERVIOUS

4-3. SOLAR FARM
 NO CHANGE TO IMPERVIOUS

STREAM 3
 NO CHANGE TO IMPERVIOUS

ON
 IDED

Lot 6
 DP 66181

Lot 2
 DP 318368

Lot 1
 DP 605825

Lot 2
 DP 311432

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER TREATMENT DEVICES CATCHMENTS</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
			<p>SCALE: 1:2000 DO NOT SCALE</p>
			<p>DRAWING NO: 3325-2-4646</p>
			<p>REV: B</p>

B	DRAWING UPDATES	SH	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	11/07/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



STAGE 2 POST DEVELOPMENT STORMWATER CATCHMENT CALCULATIONS - TREATMENT DEVICES

90th PERCENTILE 24hr RAINFALL With 2.1 cc	29.926	mm	2.1 cc Factor	15.1%		34.444826					
95th PERCENTILE 24hr RAINFALL With 2.1 cc	42.587	mm				49.017637					
Treatment Device	Contributing Catchments	Total Catchment Area (m ²)	Imperviousness (%)	Impervious Area (m ²)	5mm Runoff Vol. from impervious area (m ³)	90th percentile Runoff Vol. ¹ (m ³)	95th percentile Runoff Vol. ² (m ³)	5% of Catchment (m ²)	WQ Vol. (m ³)	Retention Vol. ³ (m ³)	Detention Vol. (m ³)
SELF MANAGING	DATA CENTRE B	22,555	90	20,299	101.5	607.47	864.48	1,015.0	607.5	101.5	763.0
	FUTURE INDUSTRIAL	24,000	60	14,400	72.0	430.94	613.26	720.0	430.9	72.0	541.3
	WWTP	2,375	90	2,138	10.7	63.98	91.05	106.9	64.0	10.7	80.4
				36,837				1,841.9	1,102.4	184.2	1,384.6
WETLAND 1	Total Area North west and East	86,194	64	55,164	275.8	1,650.83	2,349.26	2,758.2	1,650.8	275.8	2,073.4
	RG Catchment	3,324	80	2,659	13.3	79.58	113.25	133.0	79.6	13.3	100.0
				55,164				2,758.2	1,650.8	275.8	2,073.4
WETLAND 2	CARPARK NORTH	4,848	85	4,121	20.6	123.32	175.49	206.0	123.3	20.6	154.9
	PRIVATE ROAD 1a	1,580	60	948	4.7	28.37	40.37	47.4	28.4	4.7	35.6
	PRIVATE ROAD 1b	5,392	60	3,235	16.2	96.81	137.77	161.7	96.8	16.2	121.6
	FUTURE RESIDENTIAL A	17,494	60	10,496	52.5	314.11	447.00	524.8	314.1	52.5	394.5
RET. AND DET. ONLY	ECO VILLAGE	15,735	10	1,573	7.9	47.09	67.01	78.7	47.1	7.9	59.1
	BUILDINGS AND AMENITY	45,436	65	29,533.3	147.7	883.81	1,257.73	1,476.7	883.8	147.7	1,110.1
				49,907				2,495.3	1,446.4	249.5	1,875.8
WETLAND 3	PRIVATE ROAD 2	6,462	60	3,877	19.4	116.03	165.12	193.9	116.0	19.4	145.7
	DATA CENTRE A	40,650	90	36,585	182.9	1,094.85	1,558.06	1,829.3	1,094.9	182.9	1,375.1
	FUTURE RESIDENTIAL B	12,564	60	7,539	37.7	225.60	321.05	376.9	225.6	37.7	283.4
				48,001				2,400.1	341.6	240.0	1,804.2
WETLAND 4	COLLECTOR ROAD	8,700	100	8,700	43.5	260.36	370.51	435.0	260.4	43.5	327.0
	PRIVATE ROAD SOUTH B	847	65	551	2.8	16.48	23.45	27.5	16.5	2.8	20.7
				9,251				462.5	276.8	46.3	347.7
WETLAND 5	PRIVATE ROAD SOUTH	1,635	60	981	4.9	29.36	41.79	49.1	29.4	4.9	36.9
	CARPARK 1 SOUTH	1,068	85	908	4.5	27.16	38.66	45.4	27.2	4.5	34.1
	CARPARK 2 SOUTH	1,057	85	899	4.5	26.90	38.28	44.9	26.9	4.5	33.8
	FUTURE COMMERCIAL SOUTH	6,100	90	5,490	27.5	164.30	233.80	274.5	164.3	27.5	206.4
	FUTURE RESIDENTIAL SOUTH	6,914	60	4,148	20.7	124.14	176.66	207.4	124.1	20.7	155.9
				12,426				621.3	371.9	62.1	467.1
RET. AND DET. ONLY	ECO VILLAGE	15,735	10	1,573	7.9	47.09	67.01	78.7	47.1	7.9	59.1
1-POST DEVELOPMENT LESS PRE DEVELOPMENT											
2-POST DEVELOPMENT LESS PRE DEVELOPMENT											



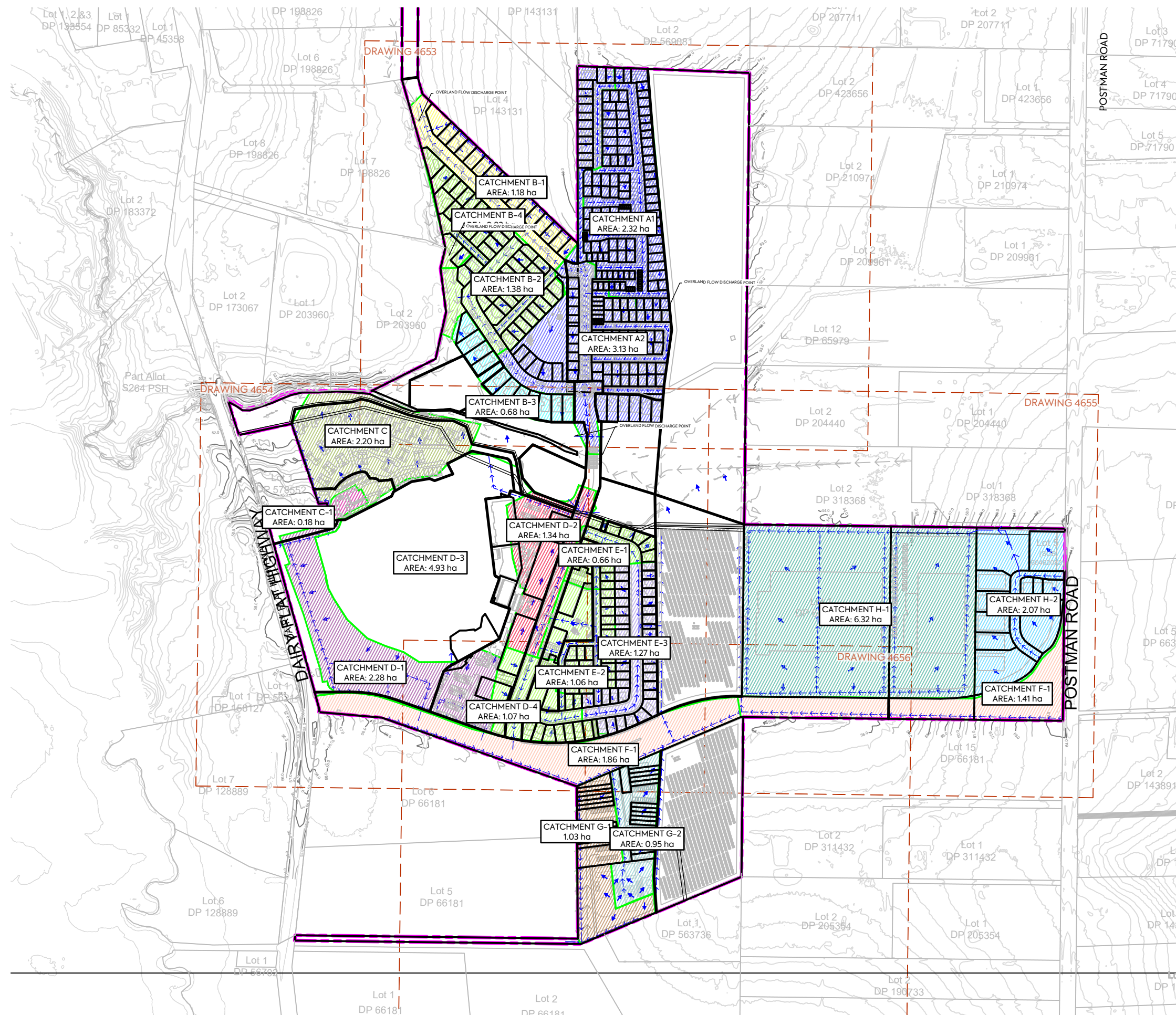
AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

STORMWATER
TREATMENT DEVICES
CATCHMENTS
CALCULATIONS

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
NTS
DO NOT SCALE
DRAWING NO:
3325-2-4647
REV:
A



NOTES:

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT AND RELEVANT FLOOD ASSESSMENT REPORT.

LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- CATCHMENT BOUNDARY
- CATCHMENT NAME **A1**
- EXISTING CONTOUR (5m)
- EXISTING CONTOUR (1m)
- FINAL CONTOUR (5m)
- OVERLAND FLOW PATH
- SLOPE

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	DRAWING UPDATED	AL	SL	JK	24/04/26
C	DRAWING UPDATES	SJO	SL	JK	15/04/26
B	DRAWING UPDATES	AL	SL	JK	13/01/26
A	FIRST ISSUE	ZW	SL	JK	07/11/25



CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
AW HOLDINGS 2021 LIMITED	AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	STORMWATER PROPOSED 1% AEP STORMWATER CATCHMENTS OVERALL	FOR RESOURCE CONSENT
SCALE: 1:5000			DO NOT SCALE
DRAWING NO: 3325-2-4650			REV: D



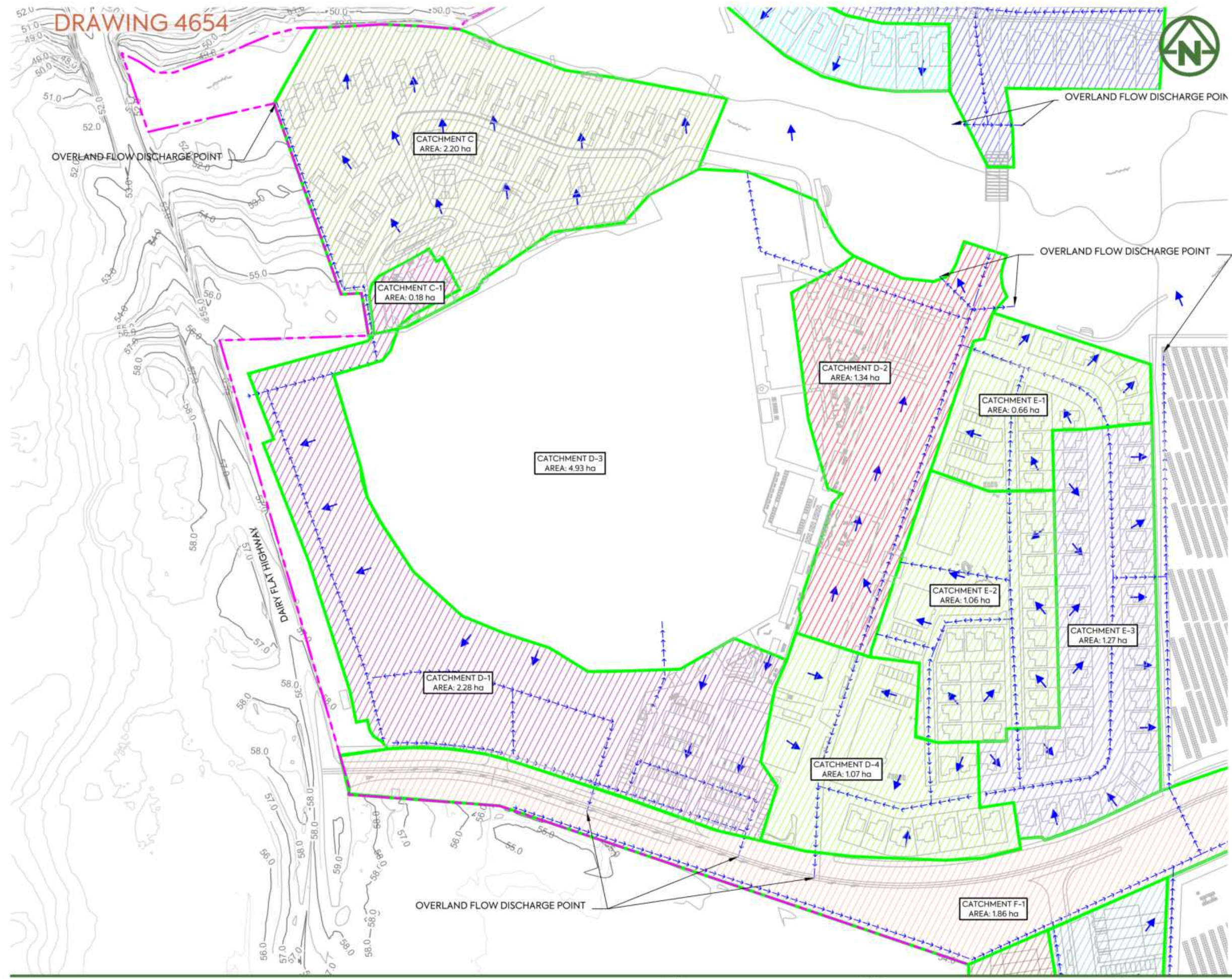
NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT AND RELEVANT FLOOD ASSESSMENT REPORT.

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CATCHMENT NAME	A1
EXISTING CONTOUR (5m)	
EXISTING CONTOUR (1m)	
FINAL CONTOUR (5m)	
OVERLAND FLOW PATH	
SLOPE	

		CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER PROPOSED 1% AEP STORMWATER CATCHMENTS OVERALL	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
B DRAWING UPDATES A FIRST ISSUE REV DESCRIPTION	AL SL JK 13/01/26 ZW SL JK 07/11/25 DRN BY CHK BY APP BY DATE				SCALE: 1:2000 DO NOT SCALE DRAWING NO: 3325-2-4651 REV: B
PLOT DATE: 2026-01-15 12:08:35 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.					



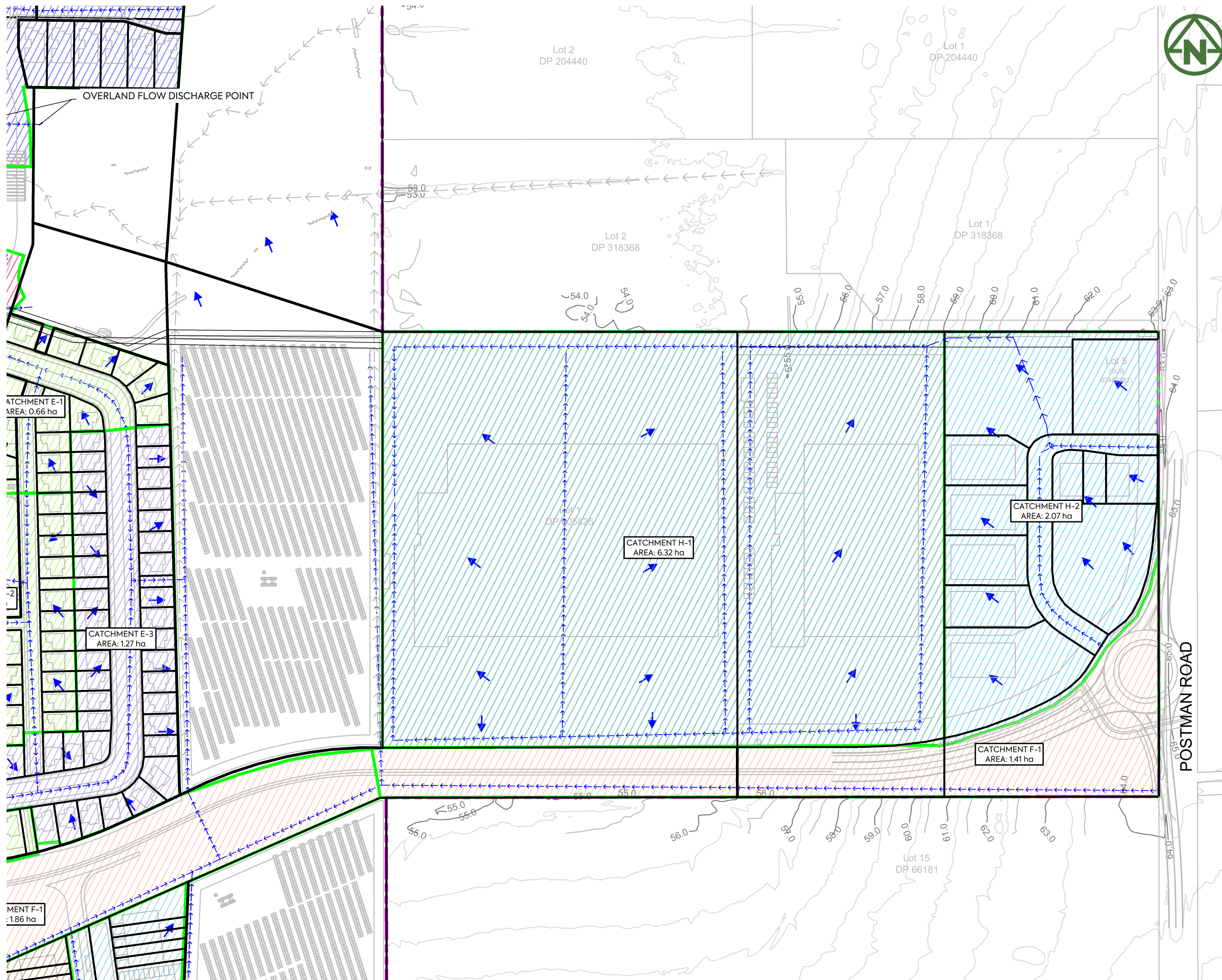
NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT AND RELEVANT FLOOD ASSESSMENT REPORT.

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CATCHMENT NAME	A1
EXISTING CONTOUR (5m)	
EXISTING CONTOUR (1m)	
FINAL CONTOUR (5m)	
OVERLAND FLOW PATH	
SLOPE	

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PROPOSED 1% AEP STORMWATER CATCHMENTS OVERALL</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
<p>B DRAWING UPDATES AL SL JK 13/01/26</p> <p>A FIRST ISSUE ZW SL JK 07/11/25</p> <p>REV DESCRIPTION DRN BY CHK BY APP BY DATE</p>			<p>SCALE: 1:2000</p> <p>DO NOT SCALE</p> <p>DRAWING NO: 3325-2-4652 REV: B</p>	
<p>PLT DATE: 2026-01-15 12:08:55 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE</p>				



NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT AND RELEVANT FLOOD ASSESSMENT REPORT.

LEGEND:

SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CATCHMENT NAME	A1
EXISTING CONTOUR (5m)	
EXISTING CONTOUR (1m)	
FINAL CONTOUR (5m)	
OVERLAND FLOW PATH	
SLOPE	

CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
AW HOLDINGS 2021 LIMITED	AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	STORMWATER PROPOSED 1% AEP STORMWATER CATCHMENTS OVERALL	FOR RESOURCE CONSENT
SCALE: 1:2000			DO NOT SCALE
DRAWING NO: 3325-2-4653			REV: D

D	DRAWING UPDATED	AL	SL	JK	24/04/26
C		SJO	SL	JK	15/04/26
B	DRAWING UPDATES	AL	SL	JK	13/01/26
A	FIRST ISSUE	ZW	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE





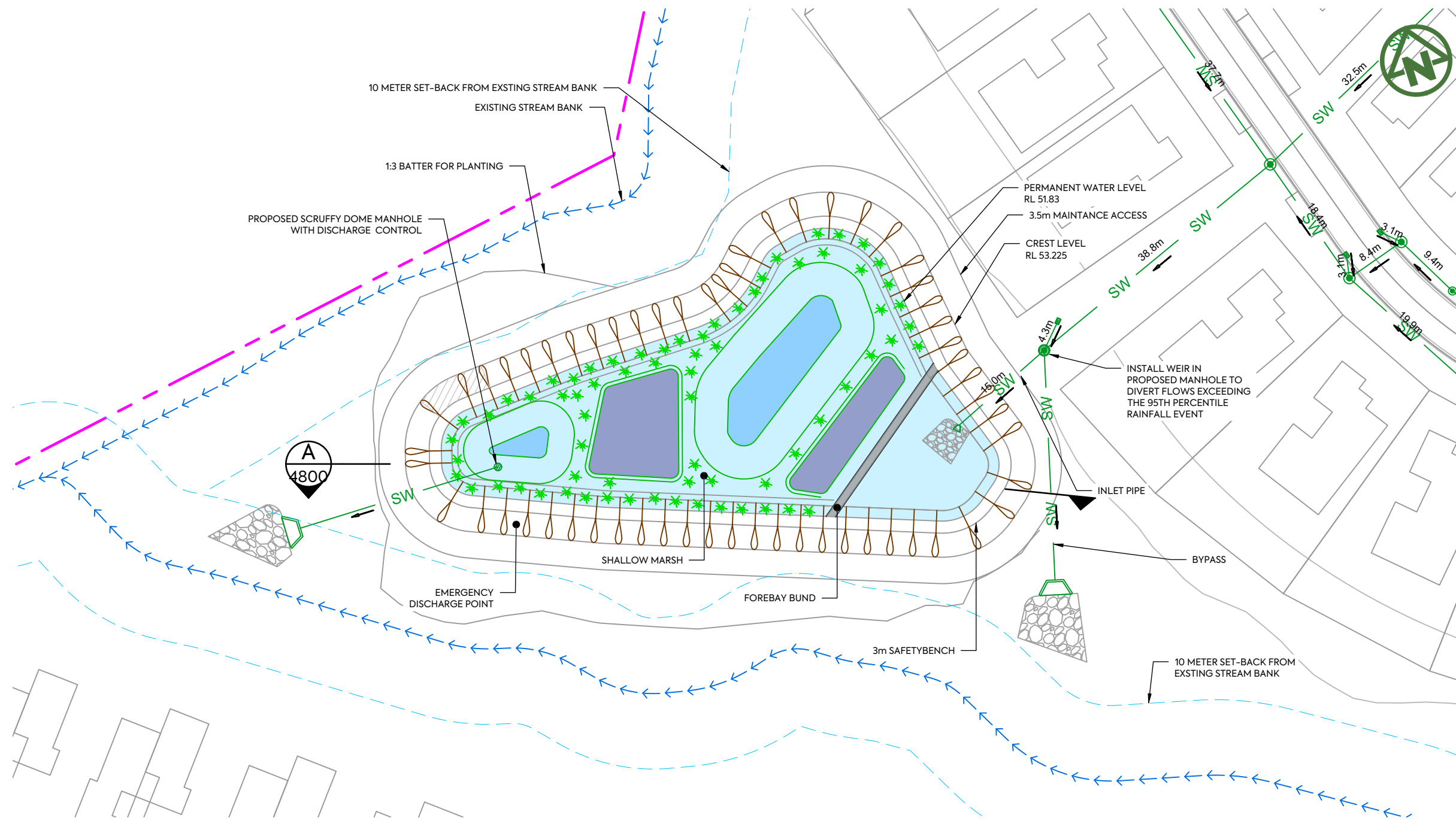
NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT AND RELEVANT FLOOD ASSESSMENT REPORT.

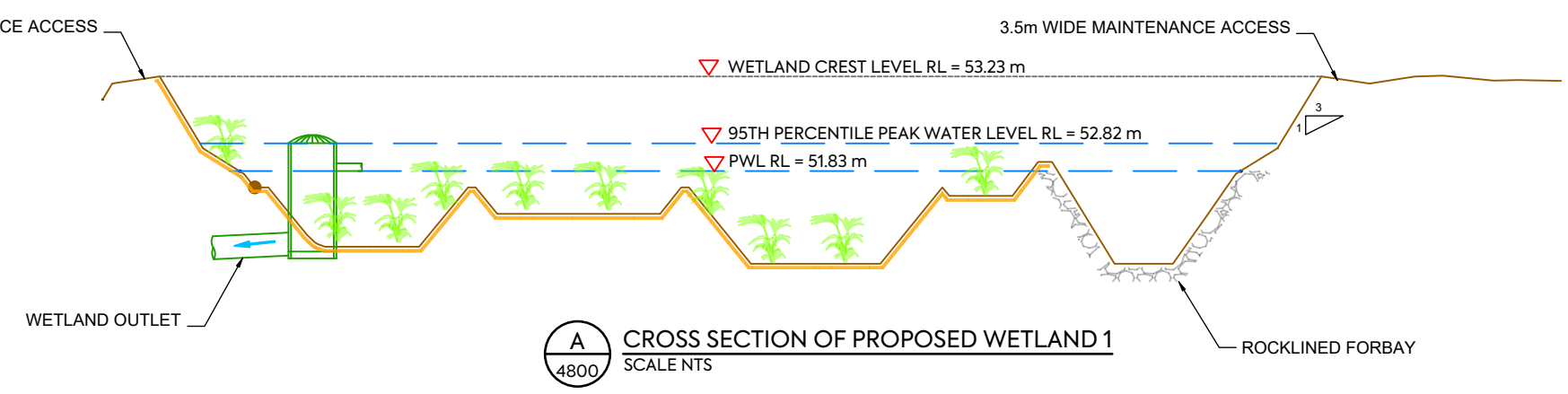
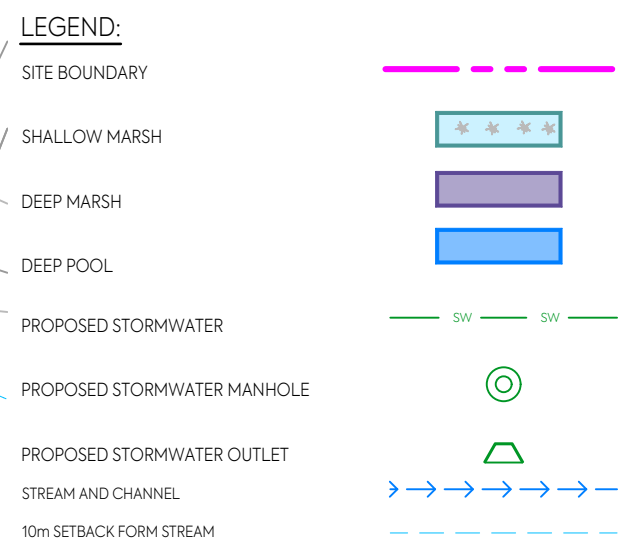
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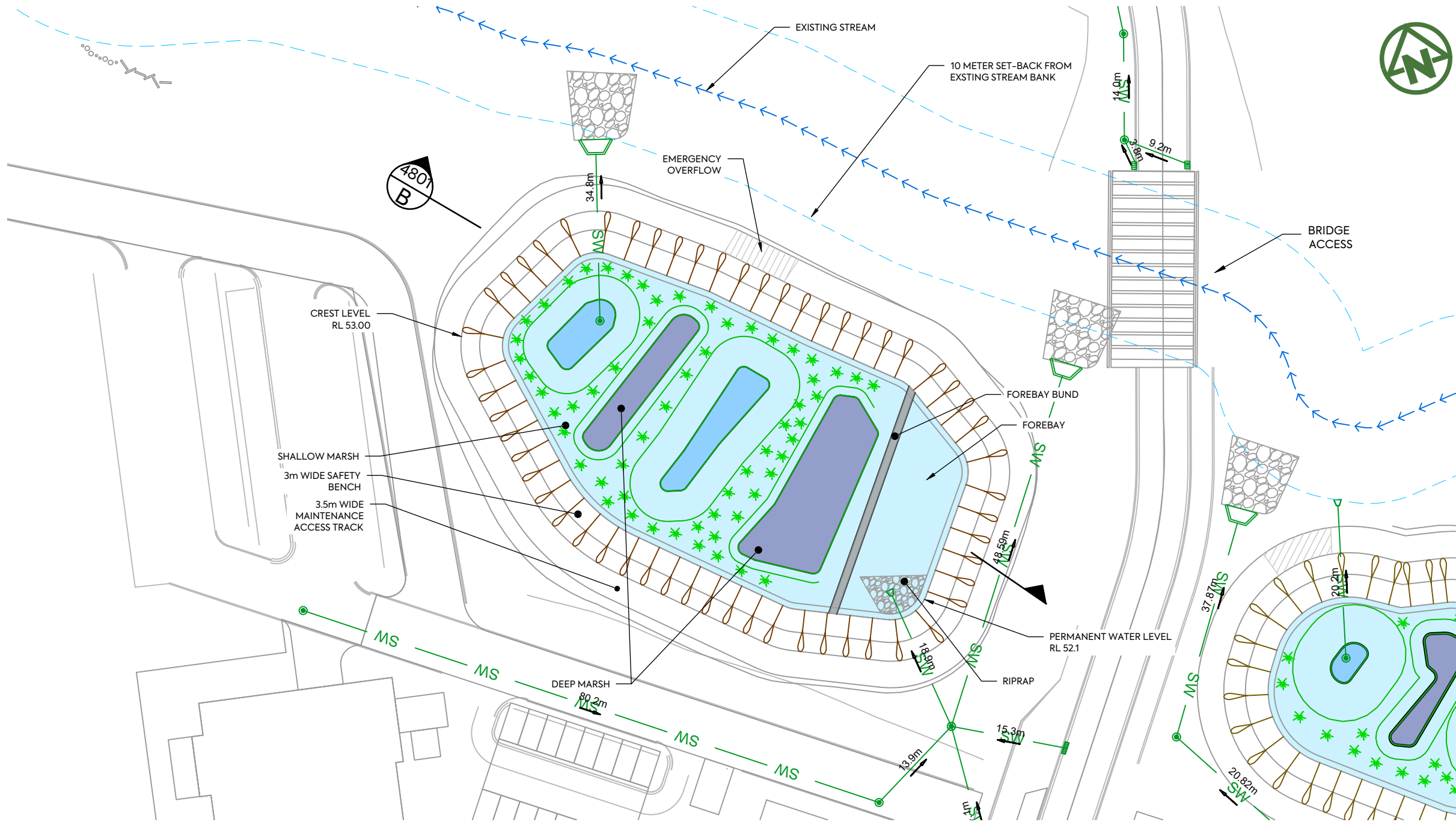
SITE BOUNDARY	
PROPERTY BOUNDARY	
CATCHMENT BOUNDARY	
CATCHMENT NAME	A1
EXISTING CONTOUR (5m)	
EXISTING CONTOUR (1m)	
FINAL CONTOUR (5m)	
OVERLAND FLOW PATH	
SLOPE	

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PROPOSED 1% AEP STORMWATER CATCHMENTS OVERALL</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>																		
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B	DRAWING UPDATES	AL	SL	JK	13/01/26																	
A	FIRST ISSUE	ZW	SL	JK	07/11/25																	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE																	
<p>PLLOT DATE: 2026-01-15 12:09:36 - WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE</p>																						

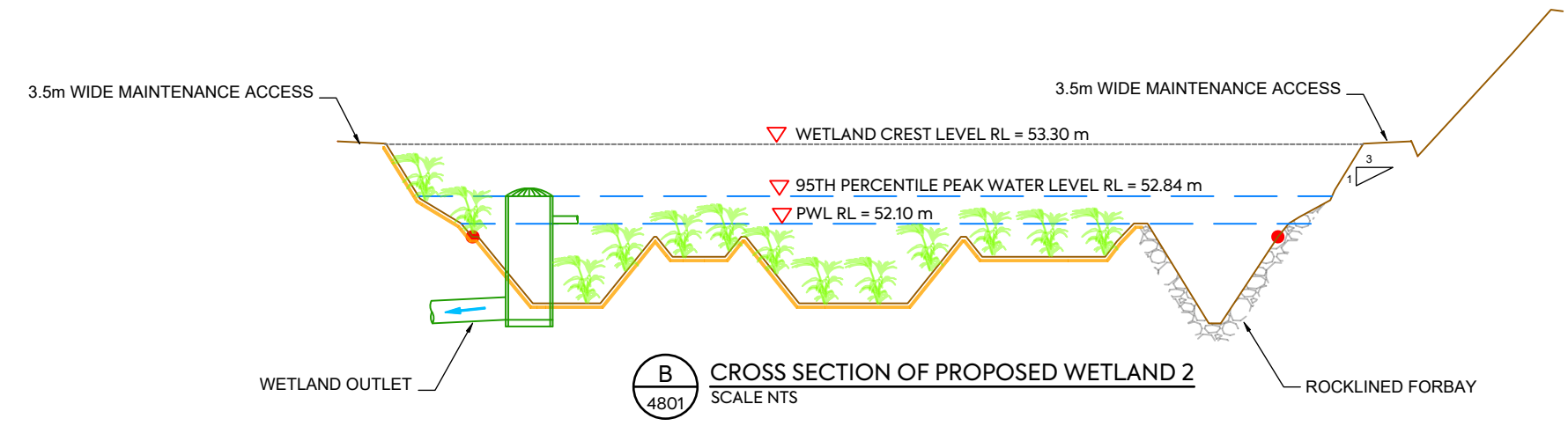
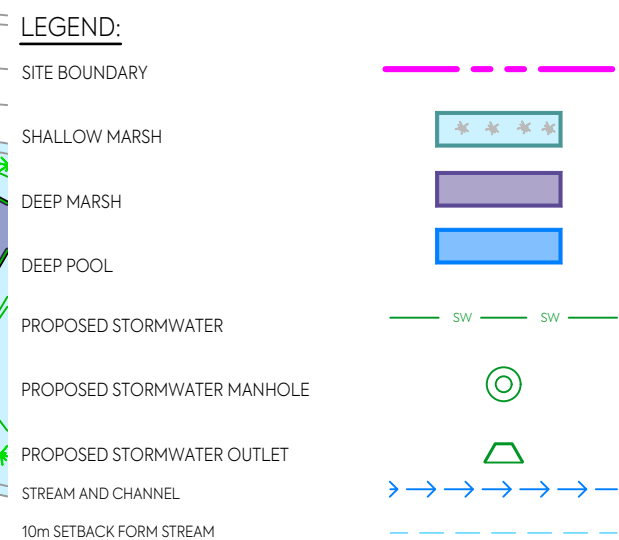


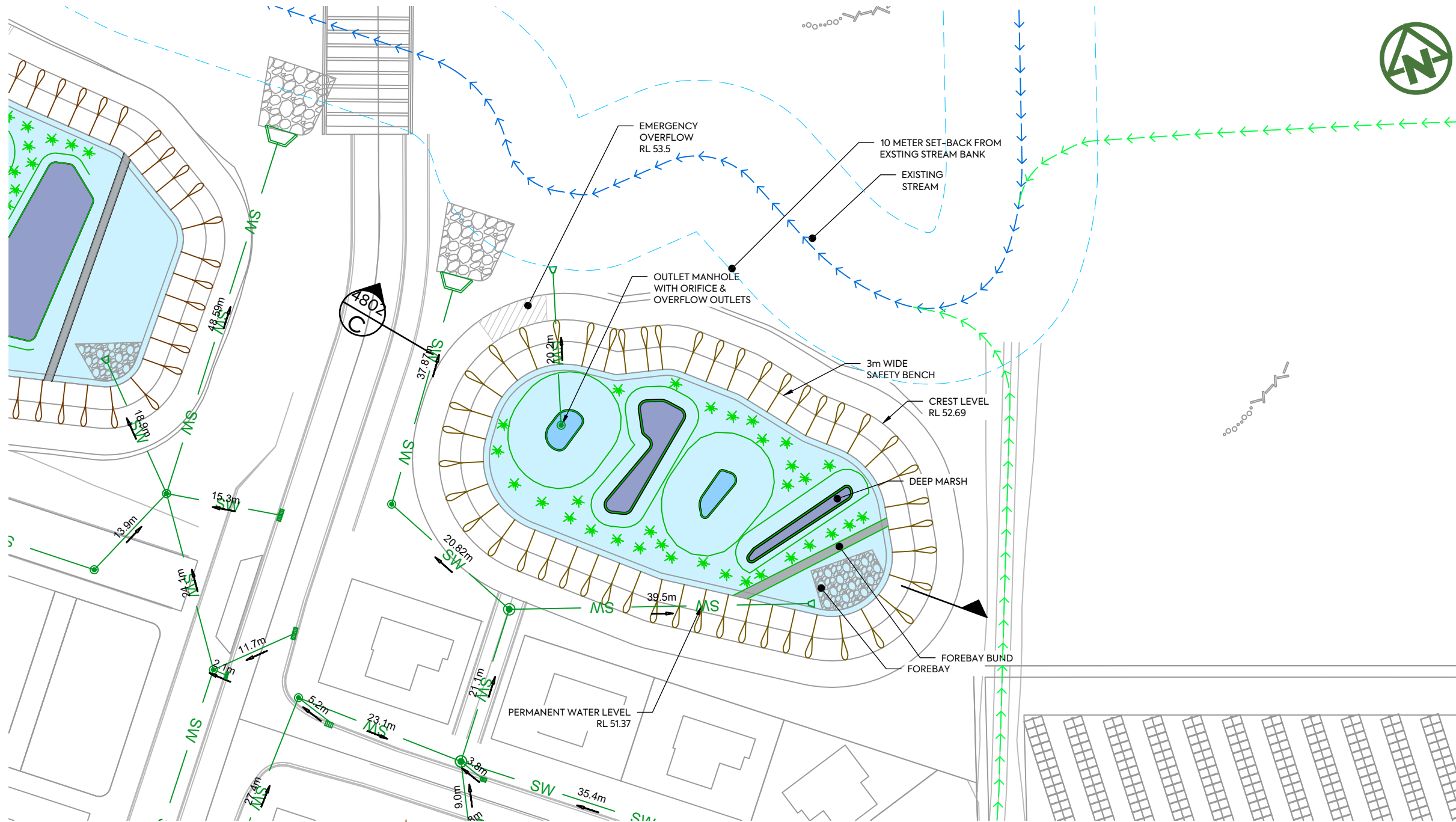
- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
 2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
 3. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROJECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PROCESS.



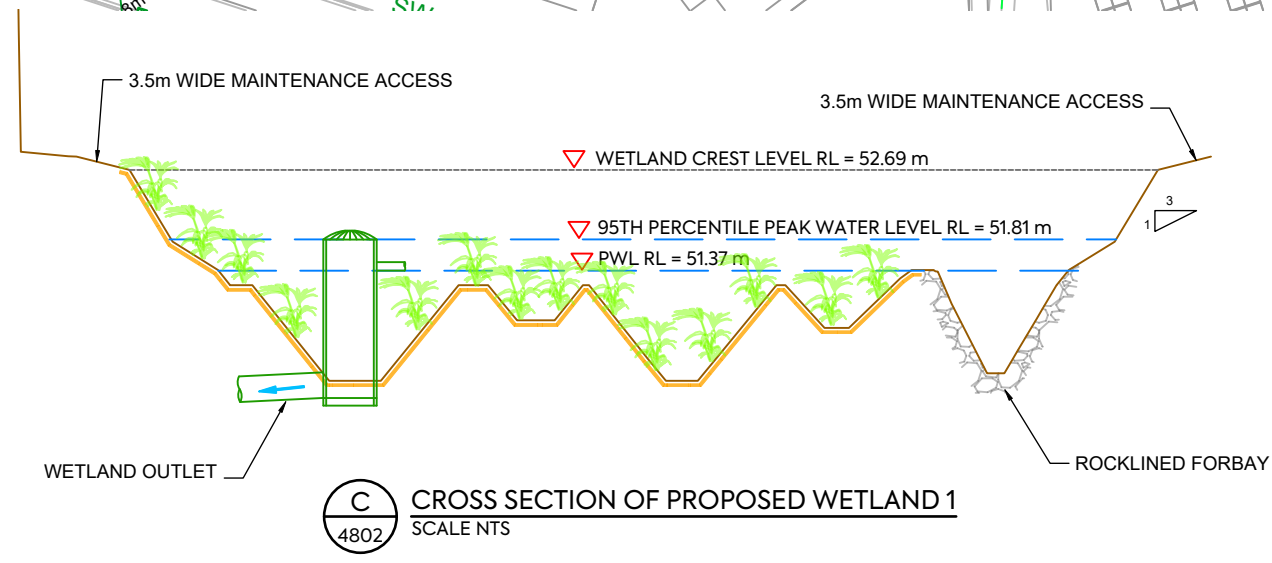
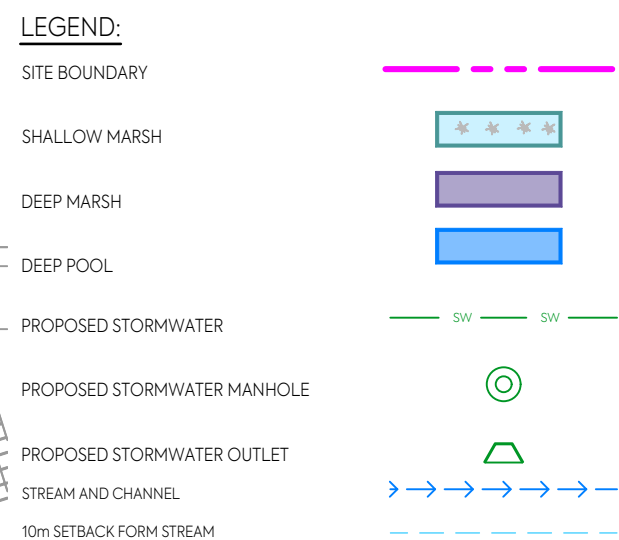


- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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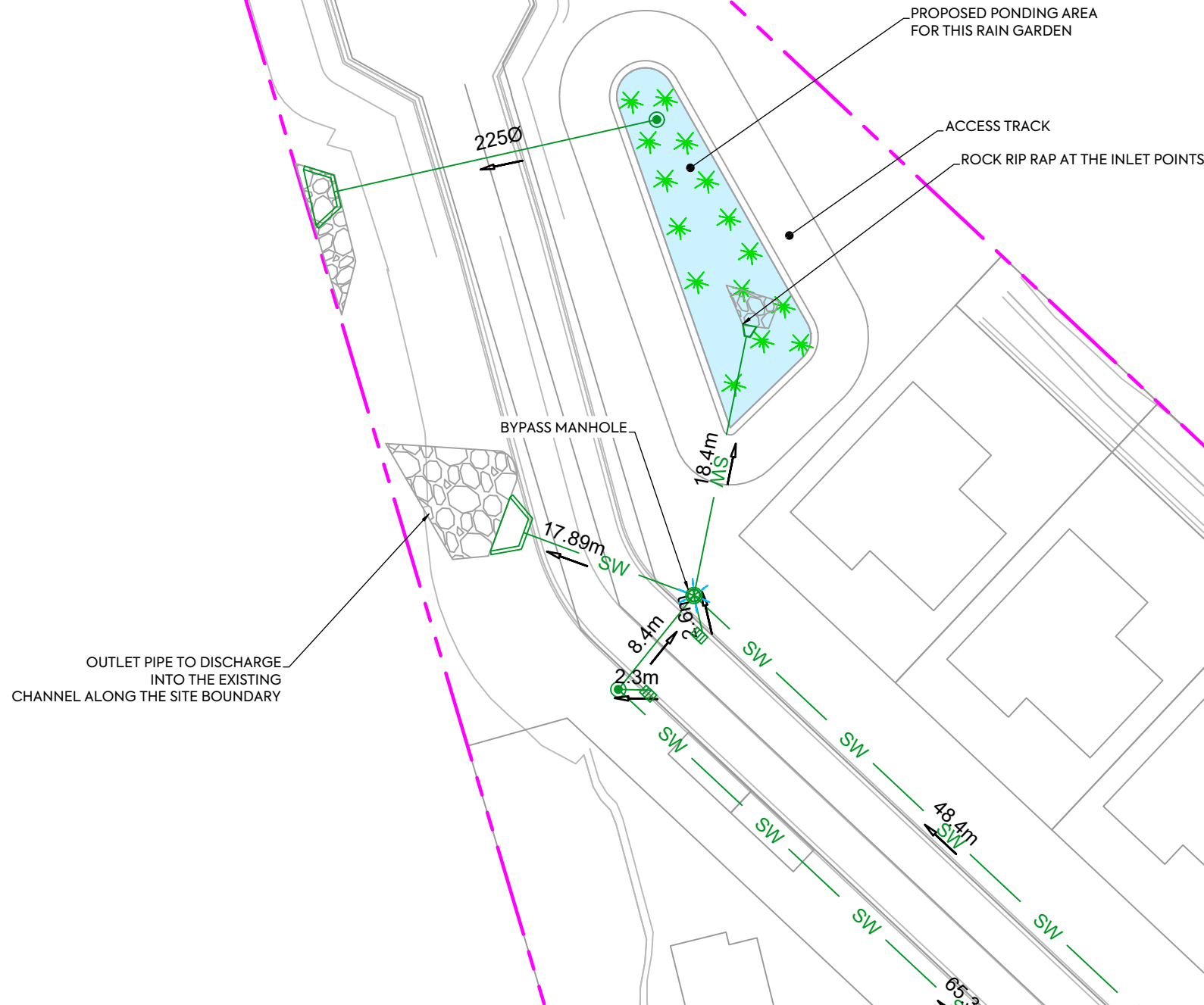
- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
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NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL. BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
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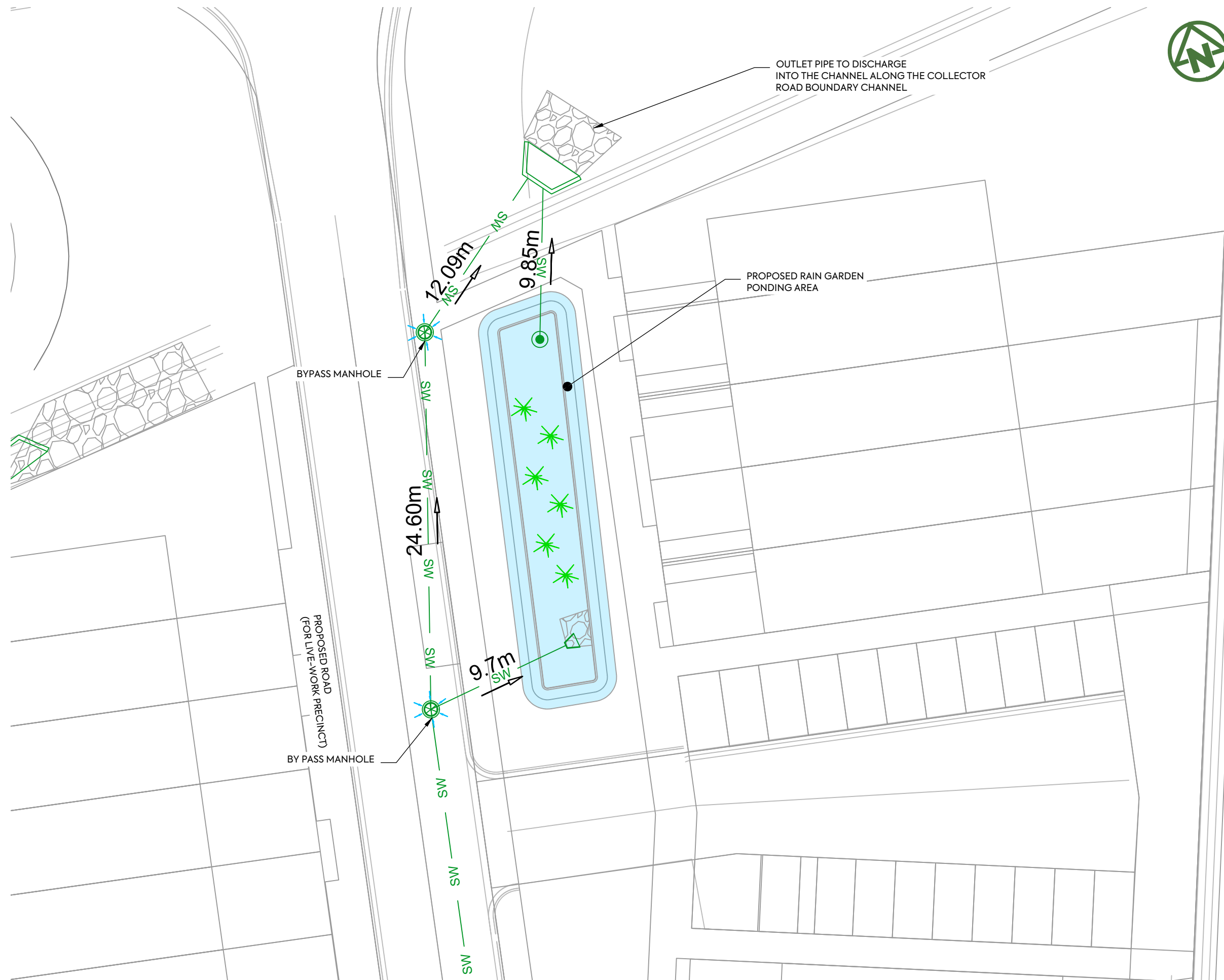


LEGEND:

- SITE BOUNDARY
- SHALLOW MARSH
- DEEP MARSH
- DEEP POOL
- PROPOSED STORMWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER OUTLET
- STREAM AND CHANNEL
- 10m SETBACK FORM STREAM

OUTLET PIPE TO DISCHARGE INTO THE EXISTING CHANNEL ALONG THE SITE BOUNDARY

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: STORMWATER PROPOSED RAINGARDEN NORTH LAYOUT PLAN</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
<p>B DRAWING UPDATED AL SL JK 13/01/26</p> <p>A FIRST ISSUE AL SL JK 07/11/25</p>				
<p>REV DESCRIPTION DRN BY CHK BY APP BY DATE</p>				
		<p>DRAWING NO: 3325-2-4803</p>		<p>REV: B</p>
<p>PLOT DATE 2026-01-15 12:39:15 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE</p>		<p>C:\12DS\DATA\MCKFS01\3325-2 SURF PARK STAGE 2_5052\DESIGN\6.5. DRAWINGS\3325-2-4800.DWG</p>		



NOTES:

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL. BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
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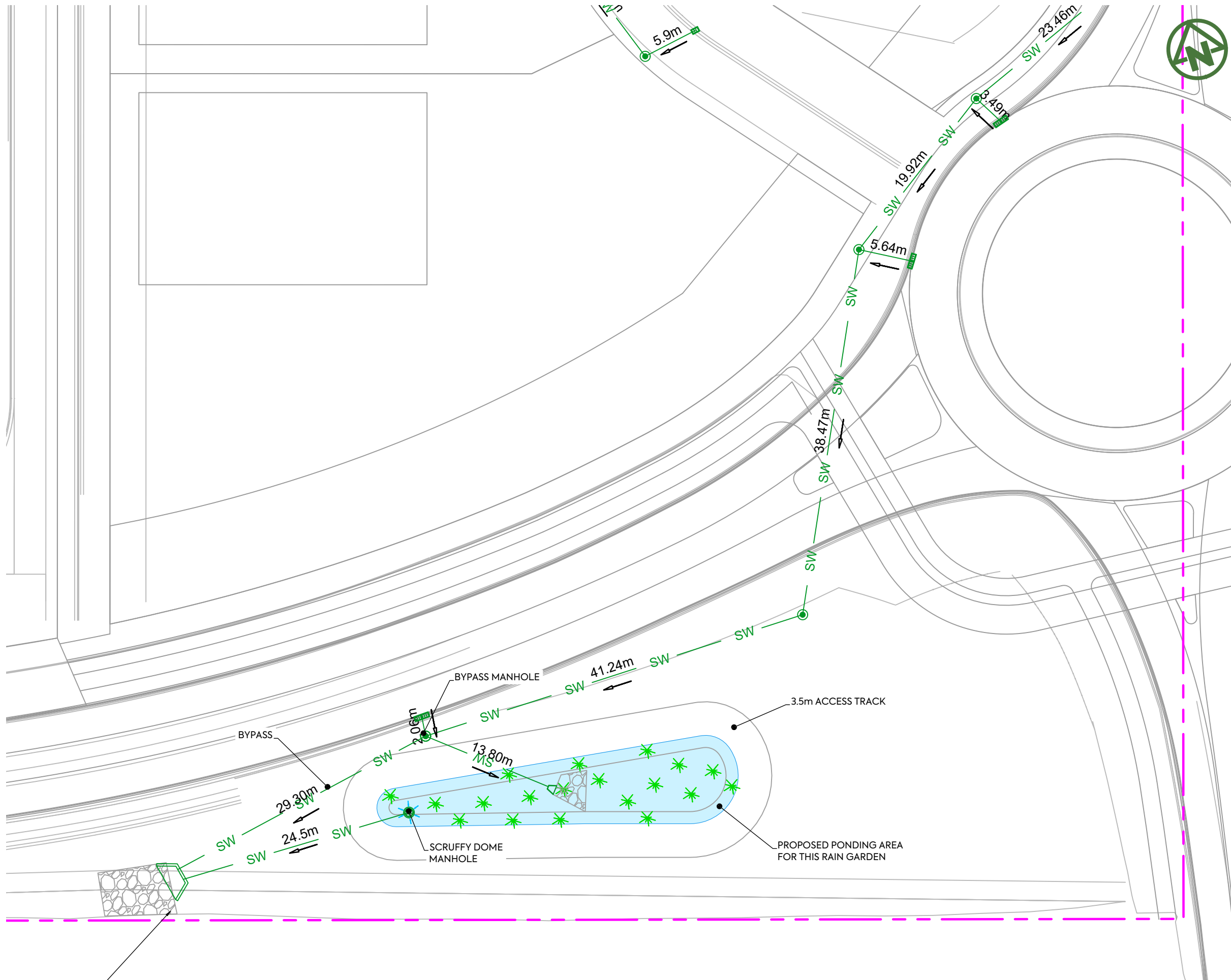
LEGEND:

- SITE BOUNDARY
- SHALLOW MARSH
- DEEP MARSH
- DEEP POOL
- PROPOSED STORMWATER
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER OUTLET
- STREAM AND CHANNEL
- 10m SETBACK FORM STREAM

CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
AW HOLDINGS 2021 LIMITED	AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	STORMWATER PROPOSED RAINGARDEN SOUTH LAYOUT PLAN	FOR RESOURCE CONSENT
SCALE: 1:250			REV:
DRAWING NO: 3325-2-4804			B



B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	AL	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



- NOTES:**
1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL CODE OF PRACTICE FOR LAND FOR LAND DEVELOPMENT AND SUBDIVISION CHAPTER 4-STORMWATER.
 2. ALL PIPES CROSSING UNDER CARRIAGEWAY/TRAFFIC AREAS TO BE HARDFILL. BACKFILLED 1.0m BEYOND THE EXTENT OF CARRIAGEWAY. ALL PIPE CROSS OVERS ARE TO BE HARDFILL BACKFILLED 1.0m EITHER SIDE OF CROSS OVER.
 3. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROJECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PROCESS.

- LEGEND:**
- SITE BOUNDARY
 - SHALLOW MARSH
 - DEEP MARSH
 - DEEP POOL
 - PROPOSED STORMWATER
 - PROPOSED STORMWATER MANHOLE
 - PROPOSED STORMWATER OUTLET
 - STREAM AND CHANNEL
 - 10m SETBACK FORM STREAM

	CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: STORMWATER RAINGARDEN ROUNDABOUT LAYOUT PLAN	PURPOSE OF ISSUE: FOR RESOURCE CONSENT
B DRAWING UPDATED A FIRST ISSUE DRN BY CHK BY APP BY DATE	AL SL JK 13/01/26 AL SL JK 07/11/25			
		SCALE: 1:250		DO NOT SCALE
		DRAWING NO: 3325-2-4805		REV: B



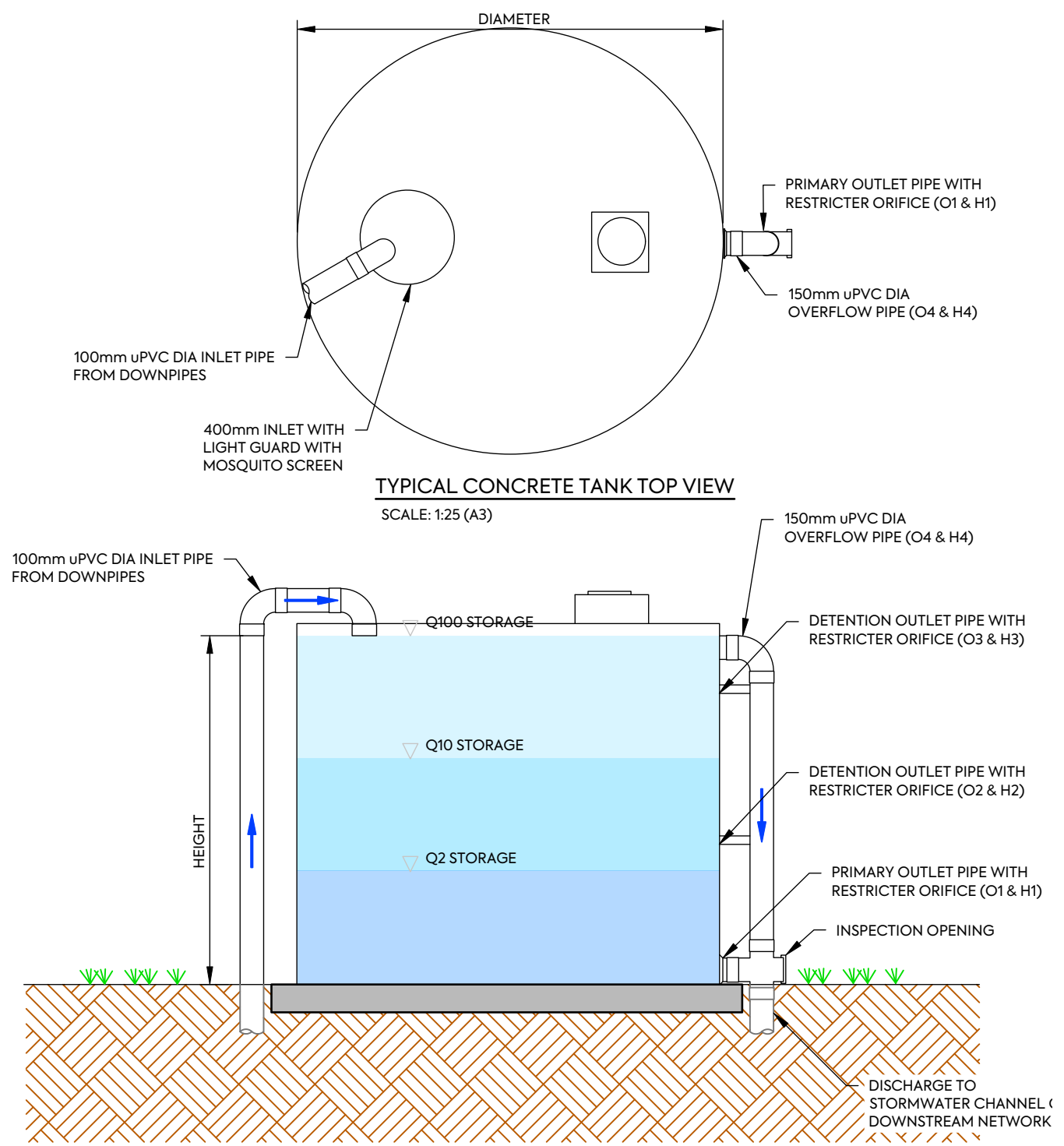
NOTES:
 1. ENGINEERS PLANS TO BE USED FOR TANK SIZING AND INLET/OUTLET GEOMETRY ONLY. FOR ALL OTHER SPECIFICATIONS REFER TO MANUFACTURERS DETAILS.

RAINWATER DETENTION TANK DETAILS - INDUSTRIAL EAST											
LOT NUMBER	TANK SIZE	TANK GEOMETRY DETAILS		OUTLET DETAILS							
		HEIGHT (mm)	DIAMETER (mm)	H1 (m)	O1 (mm)	H2 (m)	O2 (mm)	H3 (m)	O3 (mm)	H4 (m)	O4 (mm)
LOT 1- 10	54,600L RAIN TANK	2850	5100	0.08	2 X 90	0.5	2 X 100	1.1	2 X 100	2.782	2 X 150
GXP	54,600L RAIN TANK	2850	5100	0.08	2 X 90	0.5	2 X 100	1.1	2 X 100	2.782	2 X 150
SUBSTATION	54,600L RAIN TANK	2850	5100	0.08	2 X 90	0.5	2 X 100	1.1	2 X 100	2.782	2 X 150

*REFER TO ENGINEERING REPORT (APPENDIX B) FOR TANK STORAGE & DISCHARGE DESIGN.

RAINWATER DETENTION TANK DETAILS - WORK LIVE											
LOT NUMBER	TANK SIZE	TANK GEOMETRY DETAILS		OUTLET DETAILS							
		HEIGHT (mm)	DIAMETER (mm)	H1 (m)	O1 (mm)	H2 (m)	O2 (mm)	H3 (m)	O3 (mm)	H4 (m)	O4 (mm)
LOT 1- 13	22,750 L RAIN TANK	1820	4300	0.05	60	0.5	70	1	100	1.82	150

*REFER TO ENGINEERING REPORT (APPENDIX B) FOR TANK STORAGE & DISCHARGE DESIGN.



TYPICAL CONCRETE TANK ELEVATION VIEW
 SCALE: 1:25 (A3)



CLIENT:
AW HOLDINGS 2021 LIMITED

PROJECT:
**AUCKLAND SURF PARK
 1350 DAIRY FLAT HIGHWAY
 DAIRY FLAT, AUCKLAND**

TITLE:
**STORMWATER
 TYPICAL ABOVE-GROUND
 DETENTION TANK DETAIL**

PURPOSE OF ISSUE:
FOR DRAFT ONLY

SCALE:
 DO NOT SCALE
 DRAWING NO: **3325-2-4850**
 REV: **A**

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	AL	SL	JK	13/01/26



NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

NOTES:

1. REFER TO STANDARD NOTES PLAN FOR WASTEWATER DRAINAGE NOTES ON DRAWING 001.

LEGEND:

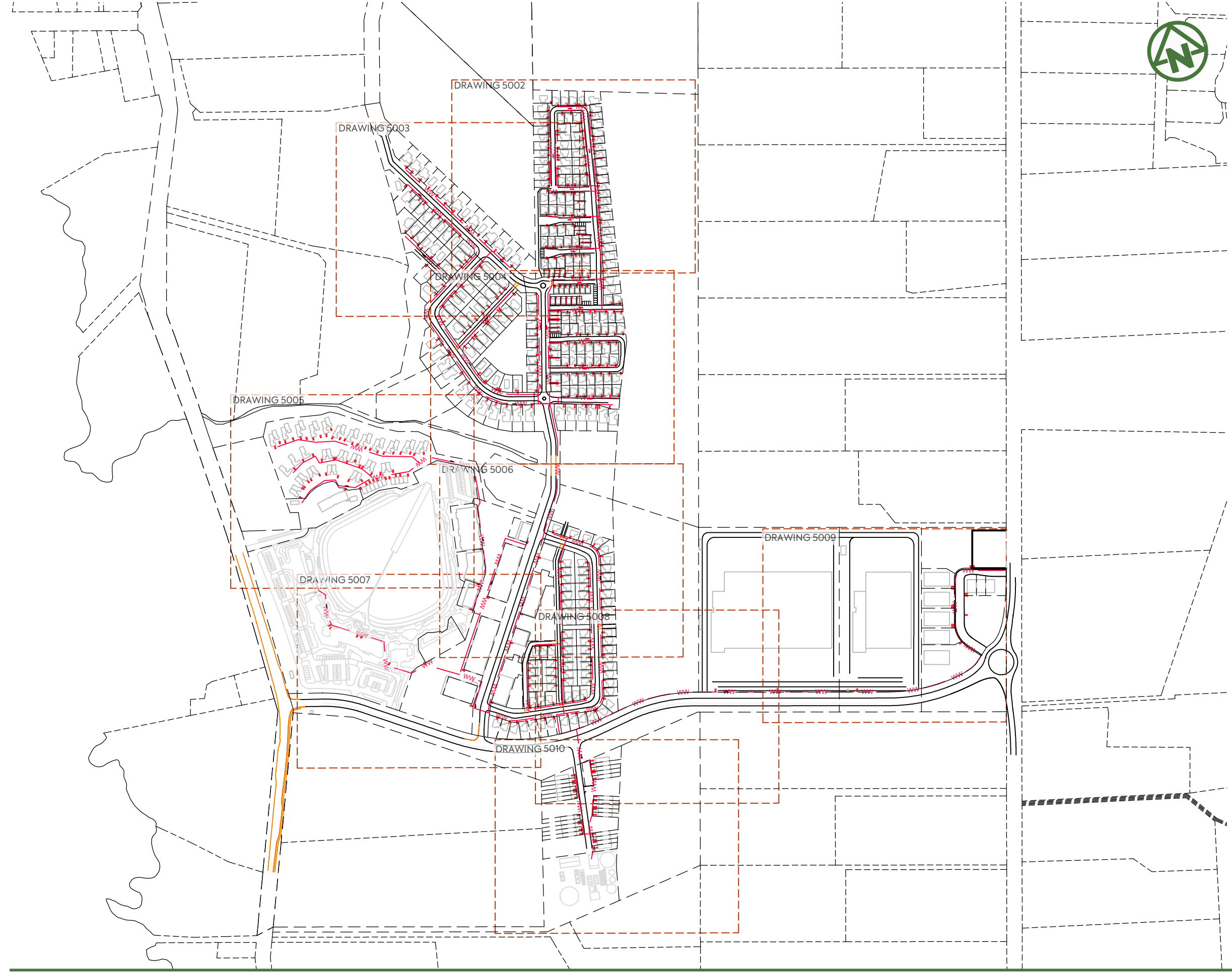
- SITE BOUNDARY ———
- NEW PROPERTY BOUNDARY - - - - -
- PROPOSED PRIVATE WASTEWATER — ww — ww —
- PROPOSED PRIVATE BOUNDARY KIT 📍

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: WASTEWATER SHEET 1 PURPOSE OF ISSUE: FOR RESOURCE CONSENT

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
D	DRAWING UPDATED	PK	SL	SL	24/04/26
C	DRAWING UPDATED	SJO	SL	JK	15/04/26
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	SB	SL	JK	07/11/25



SCALE: 1:5000
DO NOT SCALE
DRAWING NO: 3325-2-5000 REV: D



- NOTES:**
1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
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 4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
 5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

- NOTES:**
1. REFER TO STANDARD NOTES PLAN FOR WASTEWATER DRAINAGE NOTES ON DRAWING 001.

LEGEND:

- SITE BOUNDARY -----
- NEW PROPERTY BOUNDARY -----
- PROPOSED PRIVATE WASTEWATER --- ww ---
- PROPOSED PRIVATE BOUNDARY KIT P

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WASTEWATER SHEET 2</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>																								
<p>SCALE: 1:5000</p> <p>DO NOT SCALE</p>			<p>DRAWING NO: 3325-2-5001</p>																								
<p>REV DESCRIPTION DRN BY CHK BY APP BY DATE</p> <table border="0" style="width: 100%; font-size: small;"> <tr> <td>D</td><td>DRAWING UPDATED</td><td>PK</td><td>SL</td><td>SL</td><td>24/04/26</td> </tr> <tr> <td>C</td><td>DRAWING UPDATED</td><td>SJO</td><td>SL</td><td>JK</td><td>15/04/26</td> </tr> <tr> <td>B</td><td>DRAWING UPDATED</td><td>SH</td><td>SL</td><td>JK</td><td>13/01/26</td> </tr> <tr> <td>A</td><td>RESOURCE CONSENT</td><td>NS</td><td>SL</td><td>JK</td><td>07/11/25</td> </tr> </table>			D	DRAWING UPDATED	PK	SL	SL	24/04/26	C	DRAWING UPDATED	SJO	SL	JK	15/04/26	B	DRAWING UPDATED	SH	SL	JK	13/01/26	A	RESOURCE CONSENT	NS	SL	JK	07/11/25	<p>REV: D</p>
D	DRAWING UPDATED	PK	SL	SL	24/04/26																						
C	DRAWING UPDATED	SJO	SL	JK	15/04/26																						
B	DRAWING UPDATED	SH	SL	JK	13/01/26																						
A	RESOURCE CONSENT	NS	SL	JK	07/11/25																						









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5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

NOTES:

1. REFER TO STANDARD NOTES PLAN FOR WASTEWATER DRAINAGE NOTES ON DRAWING 001.

LEGEND:

- SITE BOUNDARY 
- NEW PROPERTY BOUNDARY 
- PROPOSED PRIVATE WASTEWATER 
- PROPOSED PRIVATE BOUNDARY KIT 

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

WASTEWATER
SHEET 3

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:

3325-2-5002

REV:

B

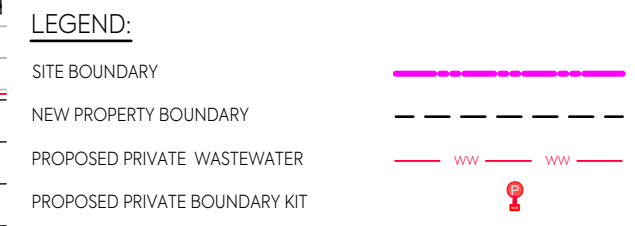


REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25



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- NOTES:**
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CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
AW HOLDINGS 2021 LIMITED	AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	WASTEWATER SHEET 4	FOR RESOURCE CONSENT
SCALE: 1:2000			REV:
DRAWING NO: 3325-2-5003			B

B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE





NOTES:

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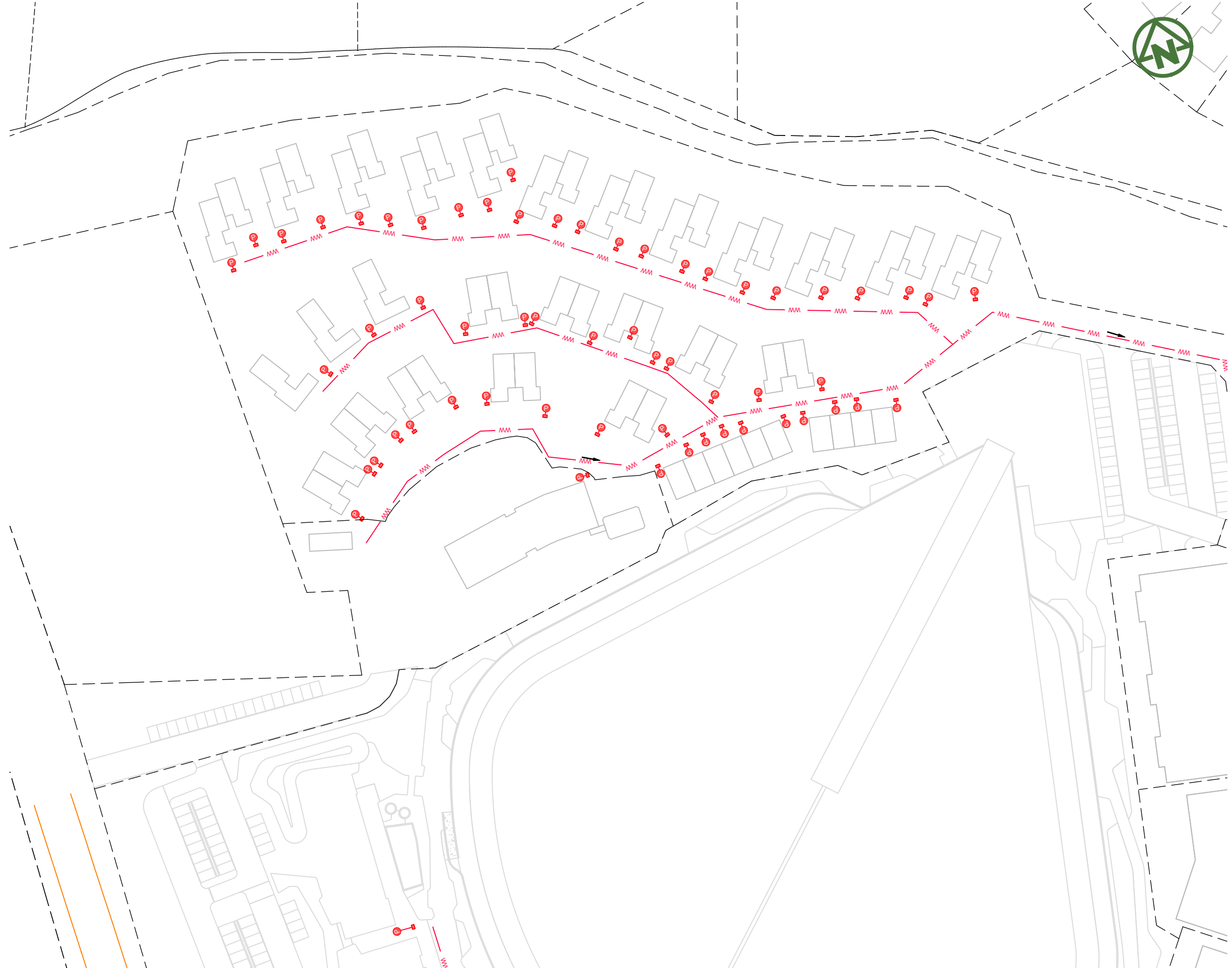
NOTES:

1. REFER TO STANDARD NOTES PLAN FOR WASTEWATER DRAINAGE NOTES ON DRAWING 001.

LEGEND:

- SITE BOUNDARY -----
- NEW PROPERTY BOUNDARY - - - - -
- PROPOSED PRIVATE WASTEWATER --- ww --- ww ---
- PROPOSED PRIVATE BOUNDARY KIT P

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WASTEWATER SHEET 5</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>												
			<p>SCALE: 1:2000 DO NOT SCALE</p>												
<p>REV DESCRIPTION DRN BY CHK BY APP BY DATE</p> <table border="0" style="font-size: small;"> <tr> <td>B</td><td>DRAWING UPDATED</td><td>SH</td><td>SL</td><td>JK</td><td>13/01/26</td> </tr> <tr> <td>A</td><td>RESOURCE CONSENT</td><td>NS</td><td>SL</td><td>JK</td><td>07/11/25</td> </tr> </table>			B	DRAWING UPDATED	SH	SL	JK	13/01/26	A	RESOURCE CONSENT	NS	SL	JK	07/11/25	<p>DRAWING NO: 3325-2-5004 REV: B</p>
B	DRAWING UPDATED	SH	SL	JK	13/01/26										
A	RESOURCE CONSENT	NS	SL	JK	07/11/25										



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LEGEND:

- SITE BOUNDARY -----
- NEW PROPERTY BOUNDARY - - - - -
- PROPOSED PRIVATE WASTEWATER --- ww --- ww ---
- PROPOSED PRIVATE BOUNDARY KIT P

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: WASTEWATER SHEET 6 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25

SCALE: 1:2000
DO NOT SCALE
DRAWING NO: 3325-2-5005 REV: B



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LEGEND:

- SITE BOUNDARY
- NEW PROPERTY BOUNDARY
- PROPOSED PRIVATE WASTEWATER
- PROPOSED PRIVATE BOUNDARY KIT

CLIENT:

AW HOLDINGS 2021 LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

WASTEWATER
SHEET 7

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:

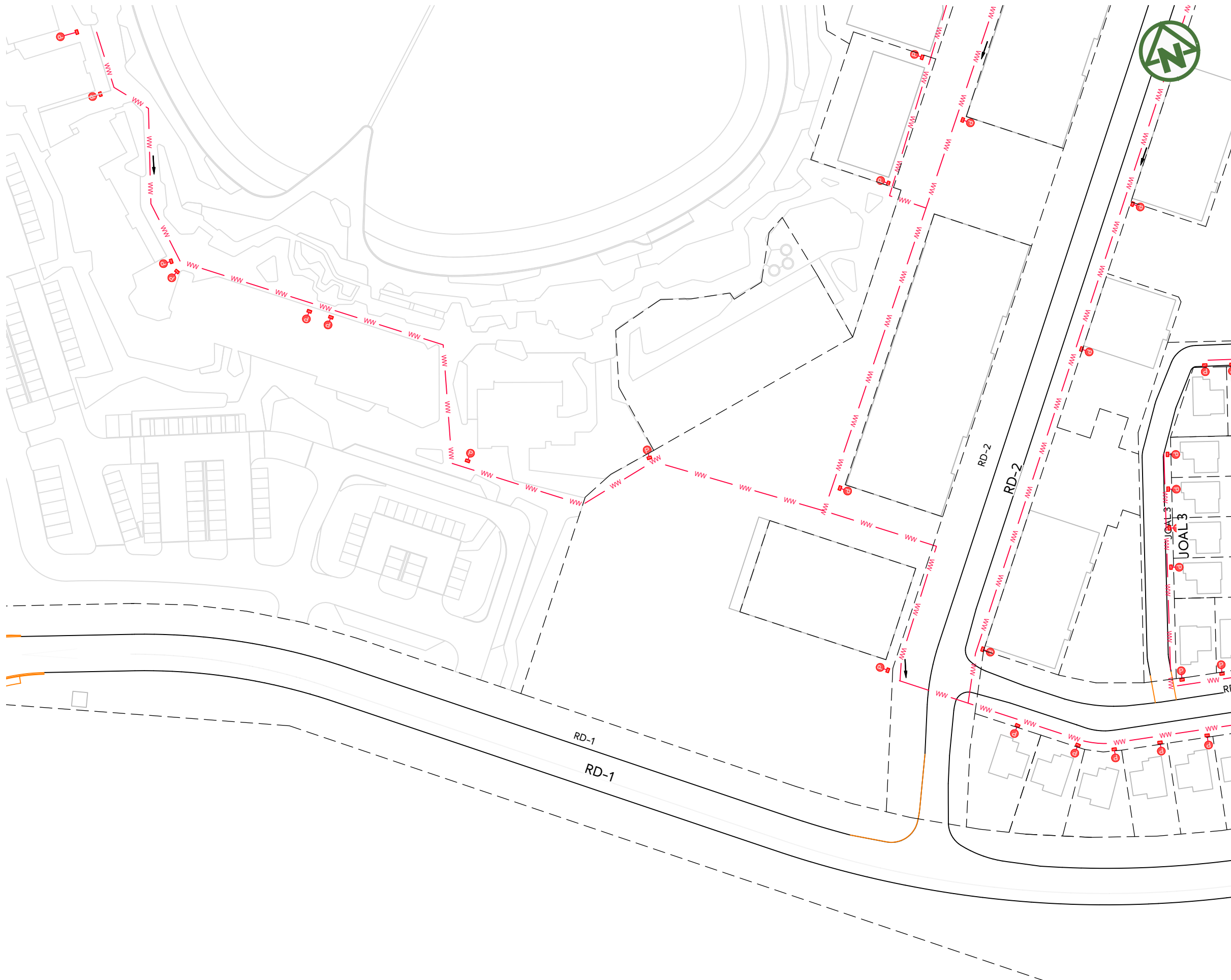
3325-2-5006

REV:

B



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25

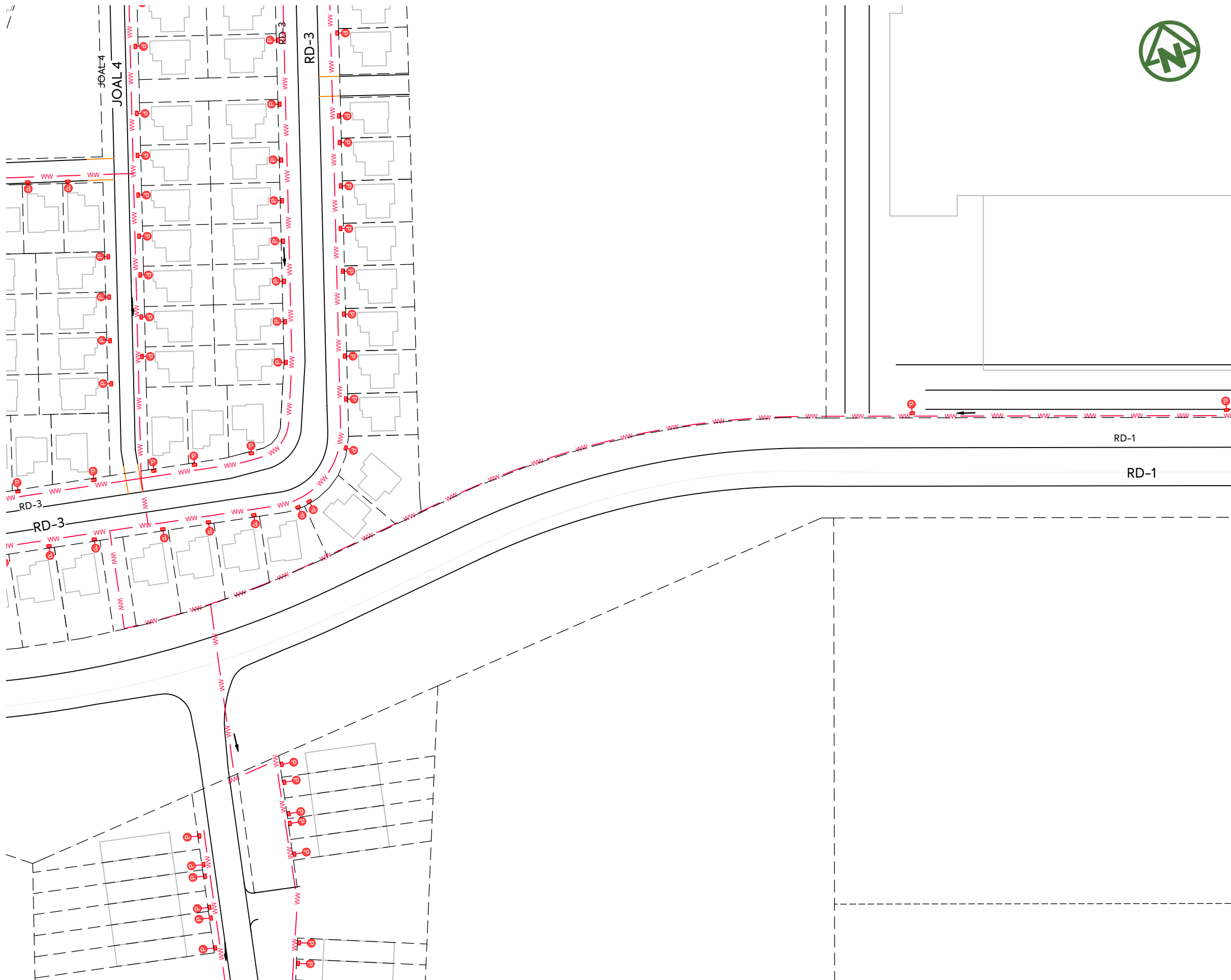


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LEGEND:

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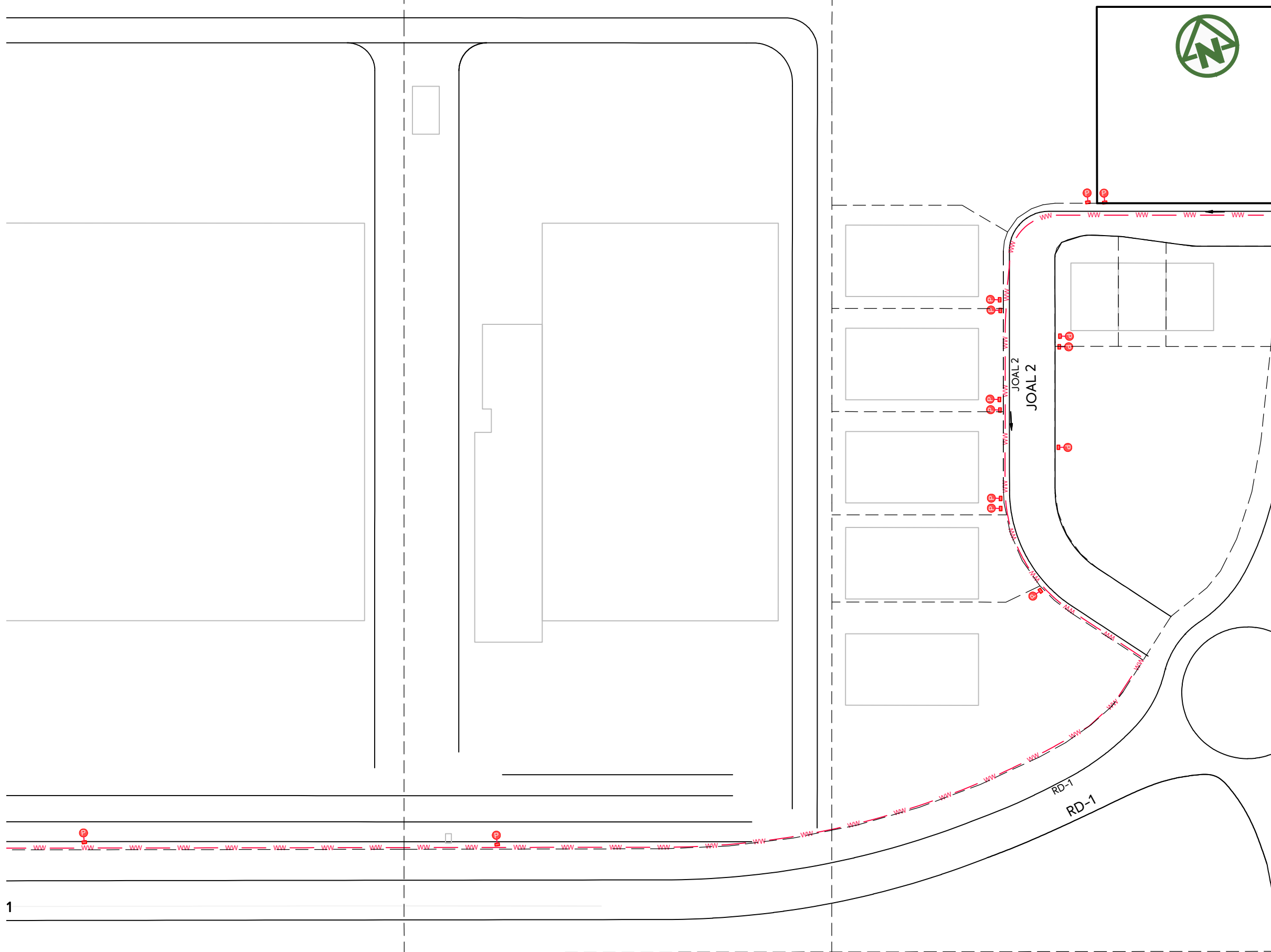
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 - PROPOSED PRIVATE WASTEWATER --- ww ---
 - PROPOSED PRIVATE BOUNDARY KIT P

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WASTEWATER SHEET 9</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
			<p>SCALE: 1:2000 DO NOT SCALE</p>
		<p>DRAWING NO: 3325-2-5008</p>	<p>REV: B</p>



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25



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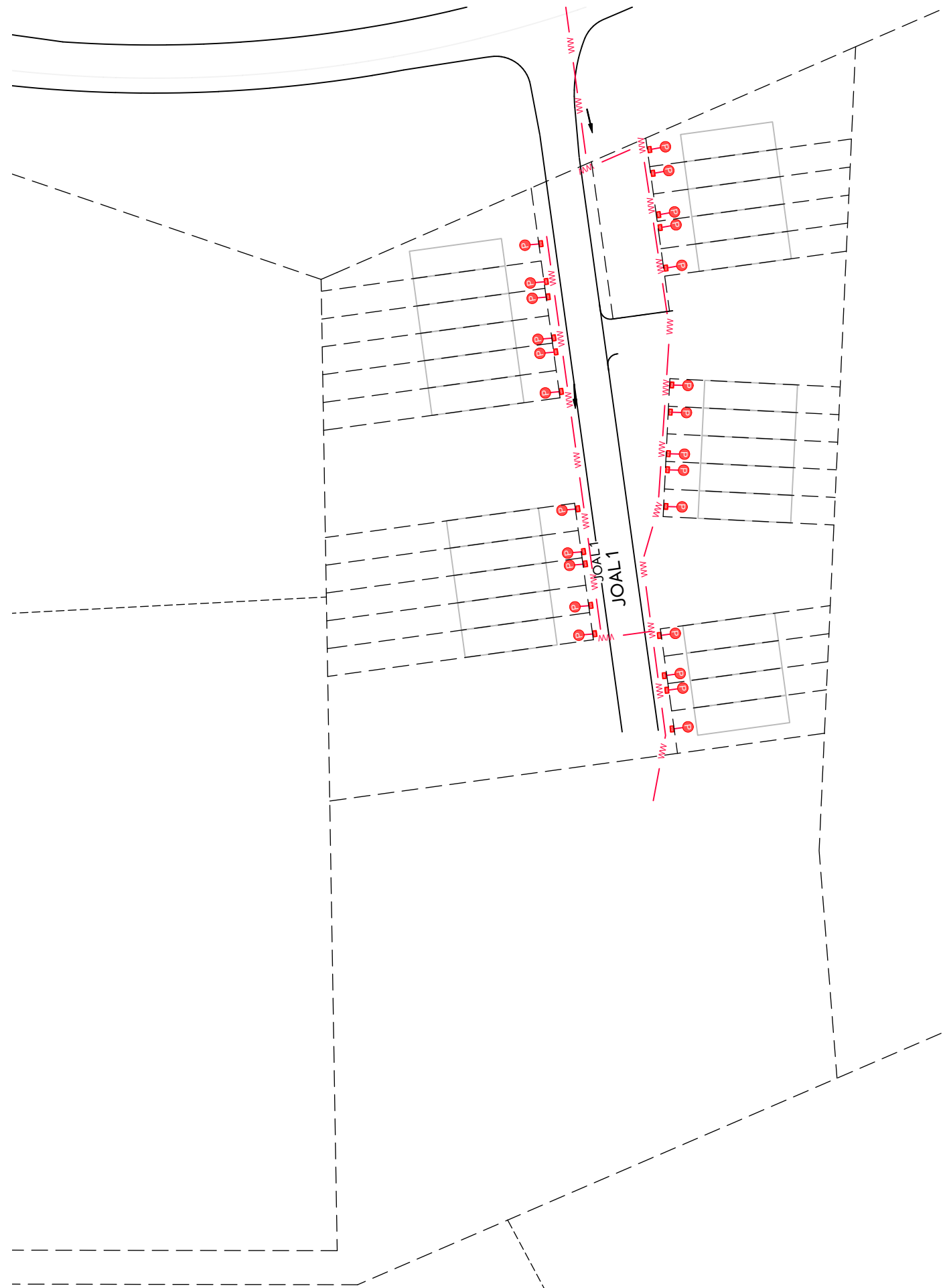
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LEGEND:

- SITE BOUNDARY ———
- NEW PROPERTY BOUNDARY - - - - -
- PROPOSED PRIVATE WASTEWATER — ww — ww —
- PROPOSED PRIVATE BOUNDARY KIT P

1

	CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: WASTEWATER SHEET 10	PURPOSE OF ISSUE: FOR RESOURCE CONSENT																																
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REV:	D																																			



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LEGEND:

SITE BOUNDARY	
NEW PROPERTY BOUNDARY	
PROPOSED PRIVATE WASTEWATER	
PROPOSED PRIVATE BOUNDARY KIT	

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

WASTEWATER
SHEET 11

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:

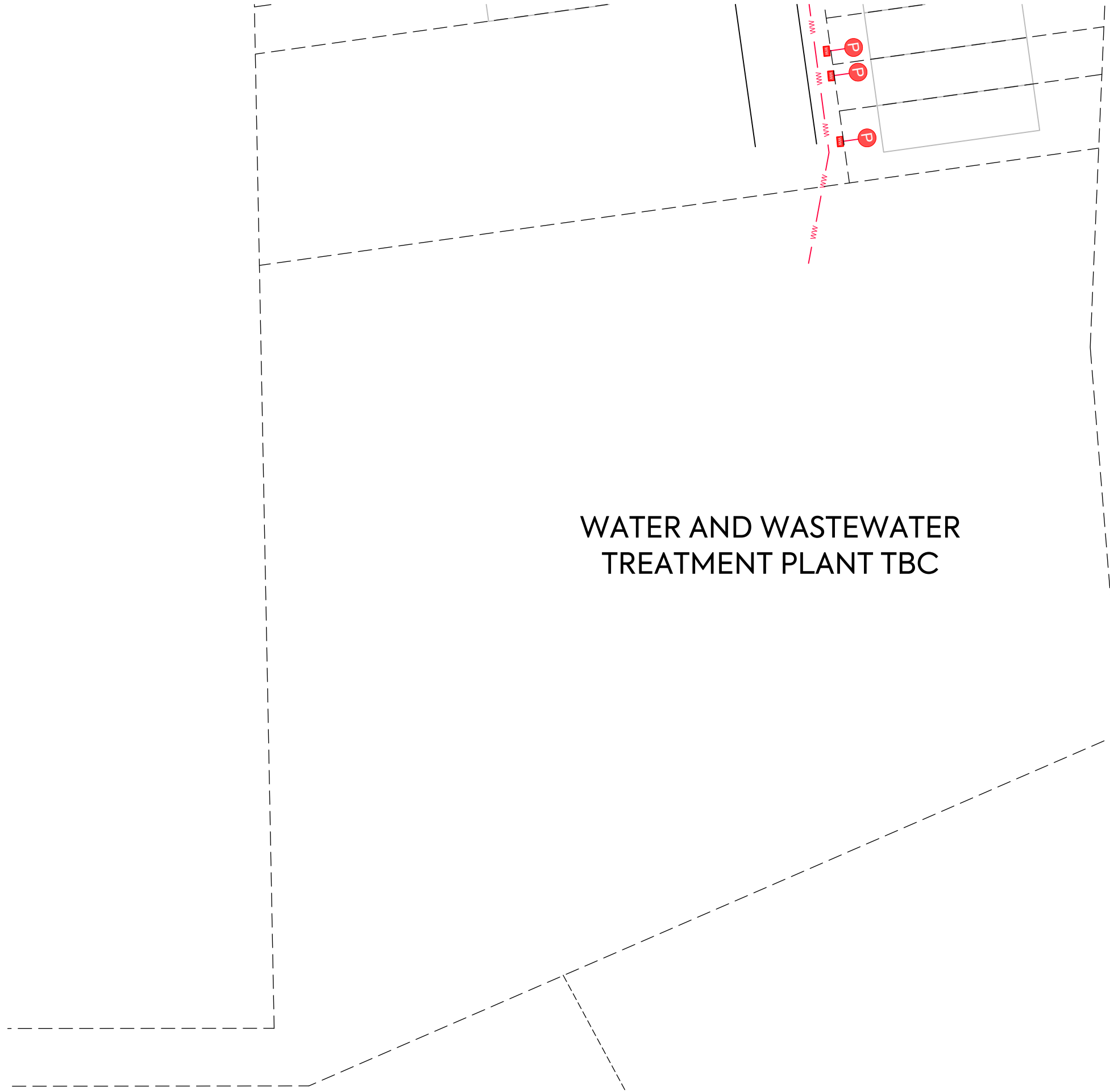
3325-2-5010

REV:

B



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	SH	SL	JK	13/01/26
A	RESOURCE CONSENT	NS	SL	JK	07/11/25



WATER AND WASTEWATER TREATMENT PLANT TBC





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LEGEND:

- SITE BOUNDARY 
- NEW PROPERTY BOUNDARY 
- PROPOSED PRIVATE WASTEWATER 
- PROPOSED PRIVATE BOUNDARY KIT 



CLIENT:
**AW HOLDINGS 2021
LIMITED**

PROJECT:
**AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND**

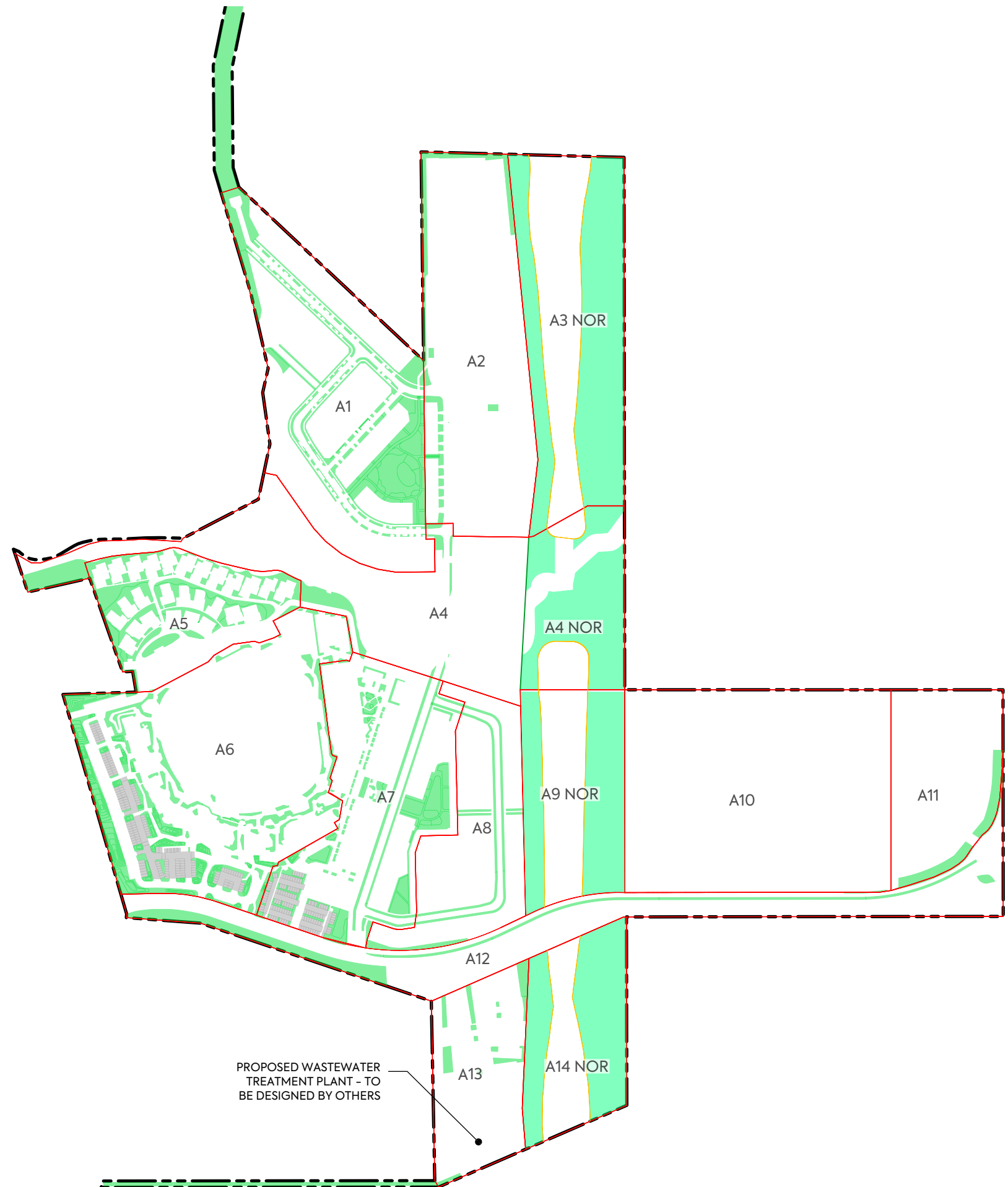
TITLE:
**WASTEWATER
PUMP STATION
SITE PLAN**

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:200
DO NOT SCALE

DRAWING NO: **3325-2-5011** REV: **A**

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	RESOURCE CONSENT	SB	SL	JK	07/11/25



AERAS FOR DISCHARGE:	
A1-	19160 m ²
A2-	2663 m ²
A3 NOR-	24360 m ²
A4-	1734 m ²
A4 NOR-	12375 m ²
A5-	7170 m ²
A6-	14497 m ²
A7-	10470 m ²
A8-	2066 m ²
A9 NOR -	14098 m ²
A10-	0 m ²
A11-	2073 m ²
A12-	8701 m ²
A13-	2805 m ²
A14 NOR-	14561 m ²
TOTAL: 13.47 ha	
TOTAL NOR: 6.54 ha	
TOTAL OUTSIDE: 6.93 ha	

PROPOSED WASTEWATER TREATMENT PLANT - TO BE DESIGNED BY OTHERS

CLIENT:

AW HOLDINGS 2021 LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

WASTEWATER DISPOSAL FIELD
LAYOUT PLAN

PURPOSE OF ISSUE:

FOR INFORMATION

SCALE:
1:5000

DO NOT SCALE

DRAWING NO.:

3325-2-5200

REV:

A



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	50% PRELIM DRAFT	NS	SL	-	12/09/25



AERAS FOR DISCHARGE:	
A1-	19160 m ²
A2-	2663 m ²
A3 NOR-	40832 m ²
A4-	1734 m ²
A4 NOR -	15008 m ²
A5-	7170 m ²
A6-	14497 m ²
A7-	10470 m ²
A8-	2066 m ²
A9 NOR-	24190 m ²
A10-	0 m ²
A11-	2073 m ²
A12-	8701 m ²
A13-	2805 m ²
A14 NOR-	21926 m ²
TOTAL: 17.41 ha	
TOTAL NOR: 10.28 ha	
TOTAL OUTSIDE: 6.93 ha	

PROPOSED WASTEWATER TREATMENT PLANT - TO BE DESIGNED BY OTHERS

CLIENT:
AW HOLDINGS 2021 LIMITED

PROJECT:
AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:
WASTEWATER DISPOSAL FIELD
LAYOUT PLAN
WITHOUT THE BUS WAY

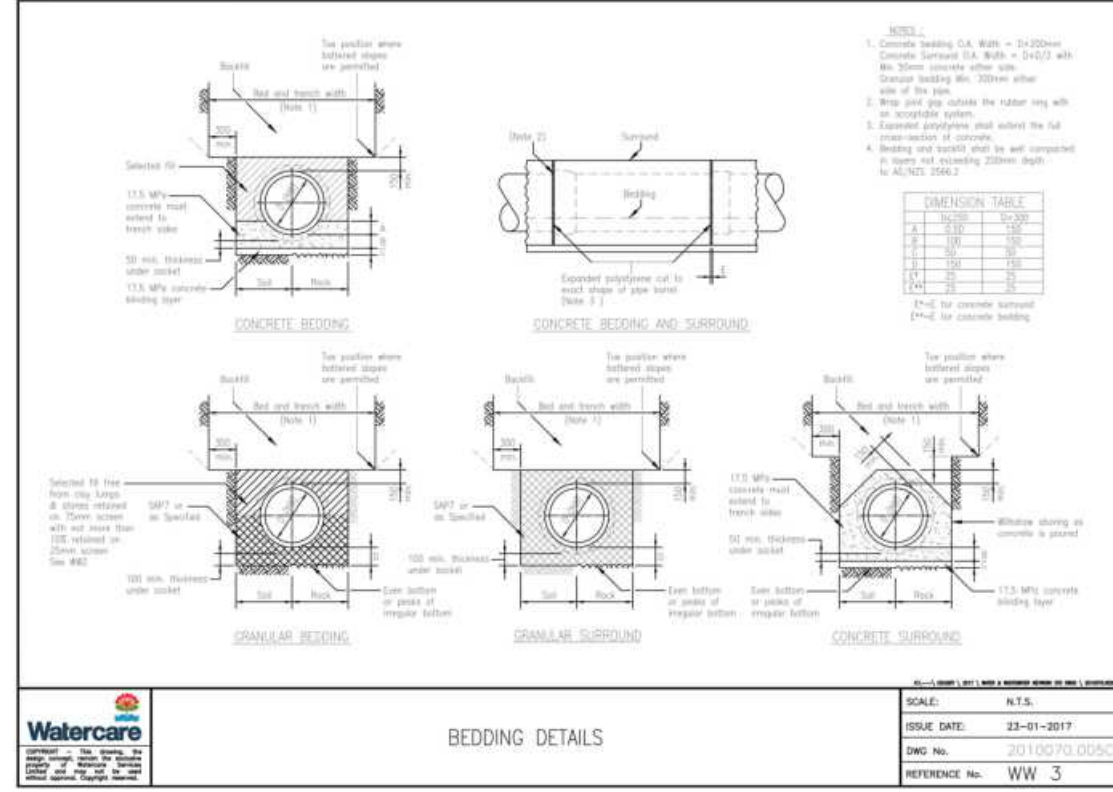
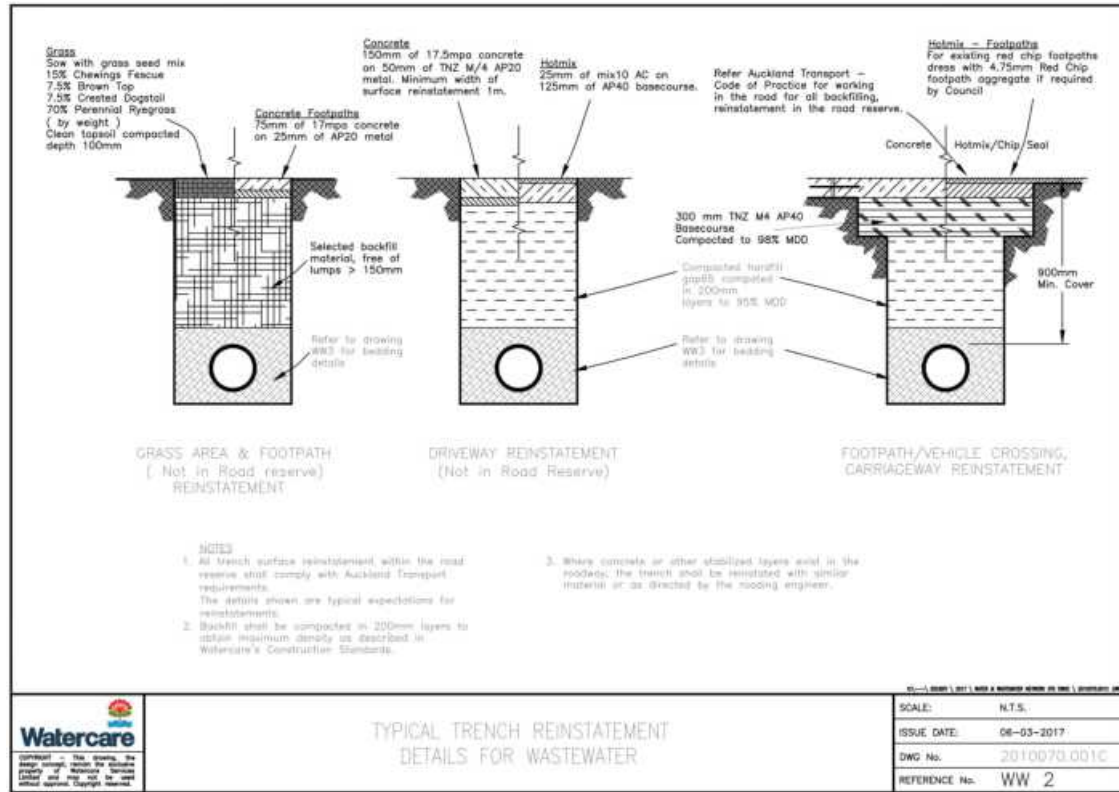
PURPOSE OF ISSUE:
FOR INFORMATION



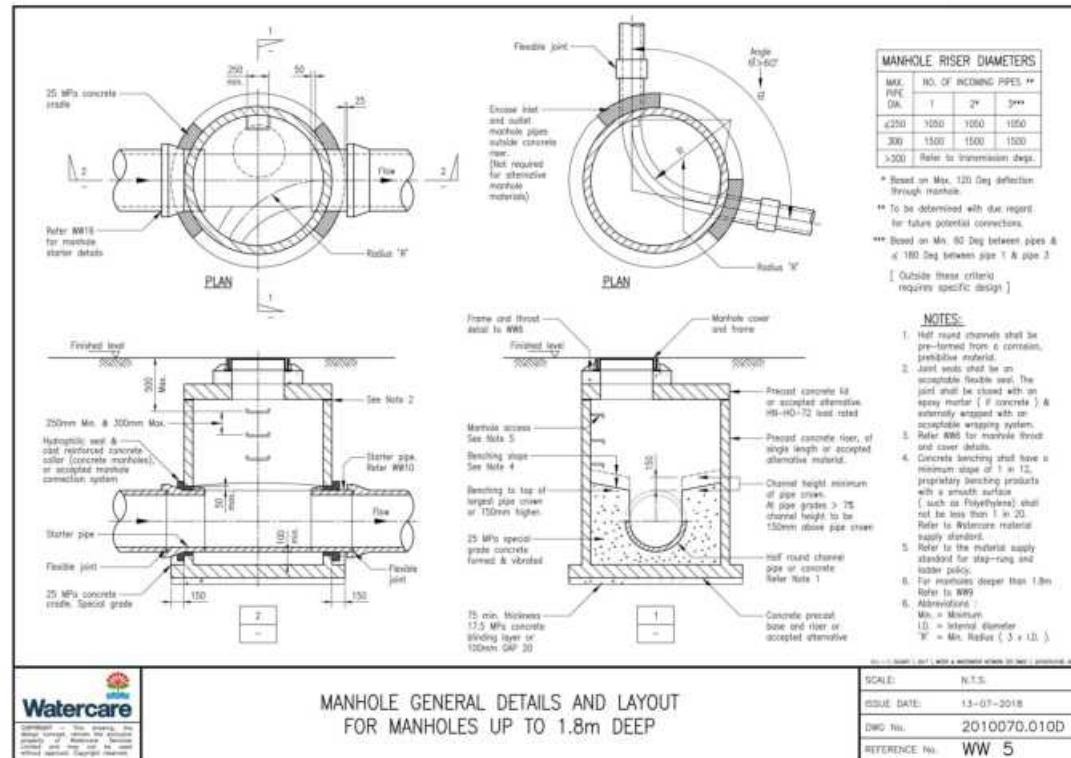
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DRAWING NO: 3325-2-5201
REV: A

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	50% PRELIM DRAFT	NS	SL	-	12/09/25



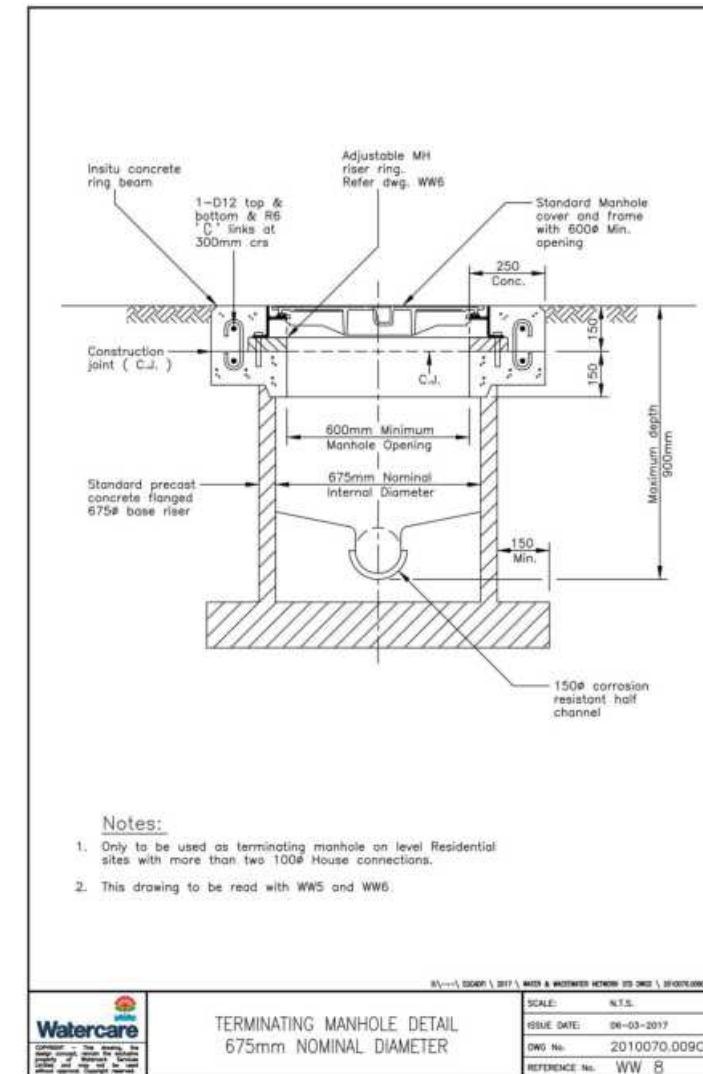
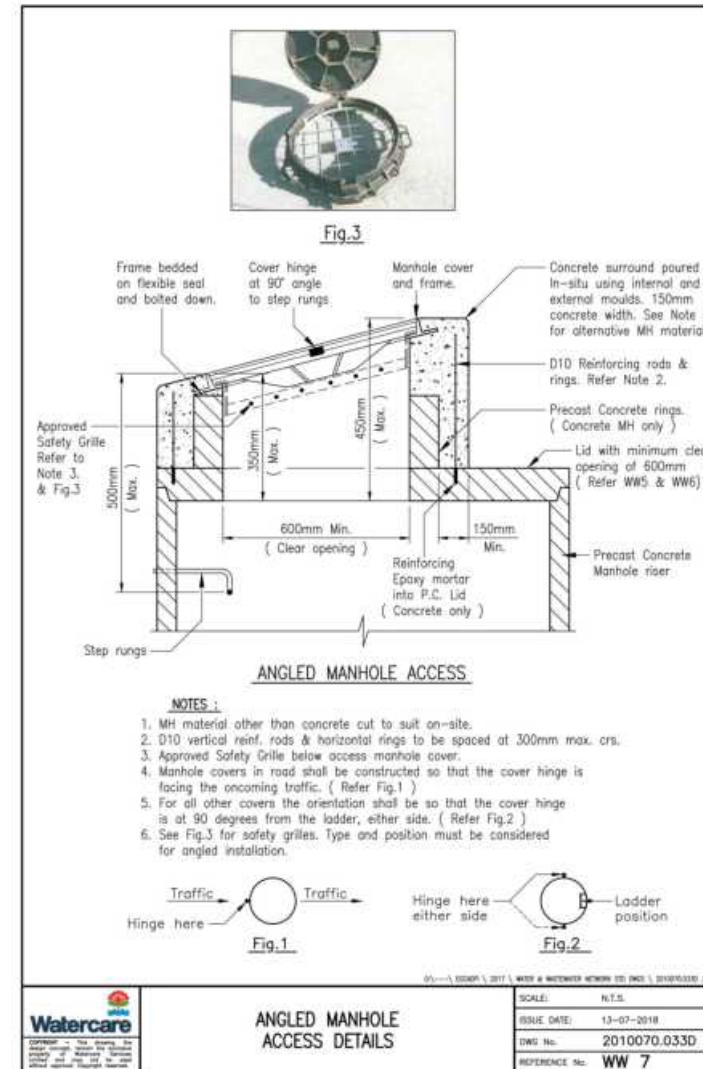
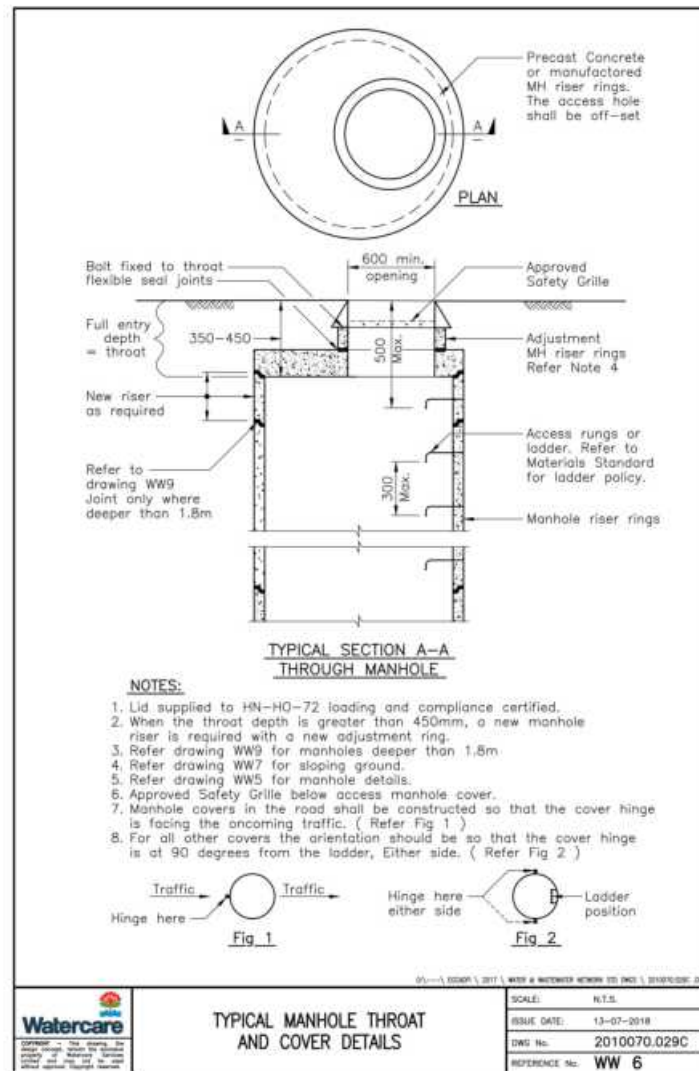
NOTES
 1. FOR SW / WW NOTES REFER DRAWING 400



CLIENT: AW HOLDINGS 2021 LIMITED
 PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND
 TITLE: WASTEWATER AUCKLAND COUNCIL CODE OF PRACTICE STANDARD DETAILS
 PURPOSE OF ISSUE: FOR RESOURCE CONSENT
 SCALE: NTS
 DO NOT SCALE
 DRAWING NO: 3325-2-5900
 REV: A

NOTES

- 1. FOR SW / WW NOTES REFER DRAWING 400



AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

WASTEWATER
AUCKLAND COUNCIL CODE OF
PRACTICE STANDARD DETAILS

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

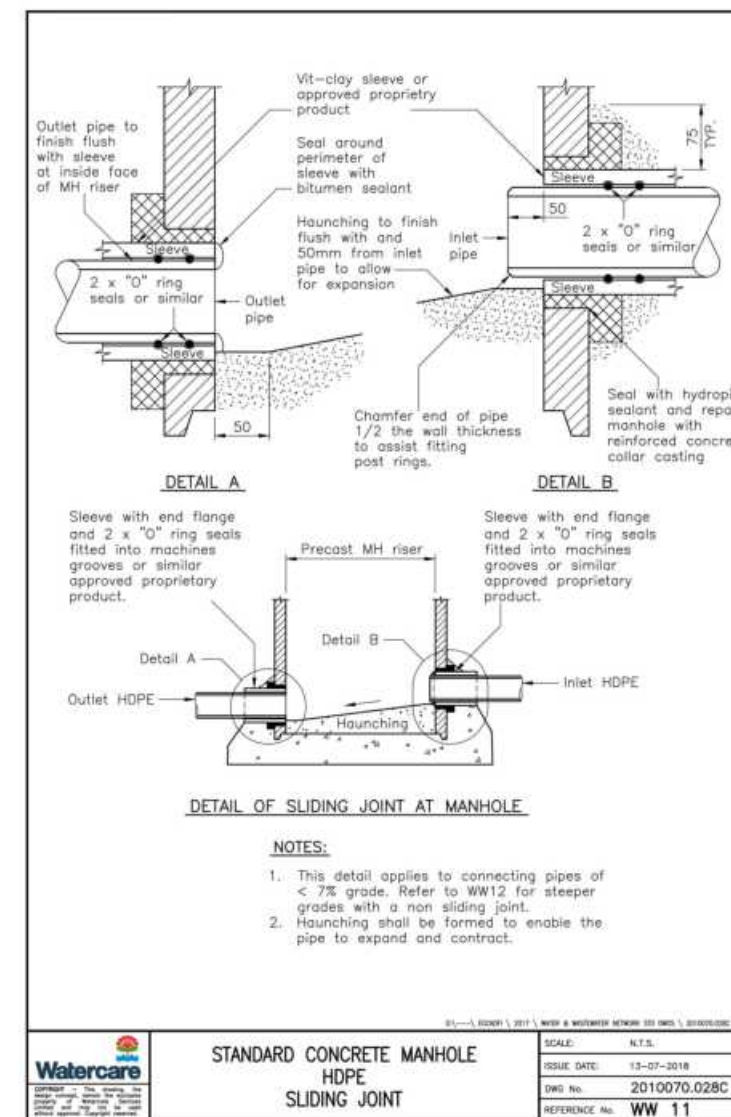
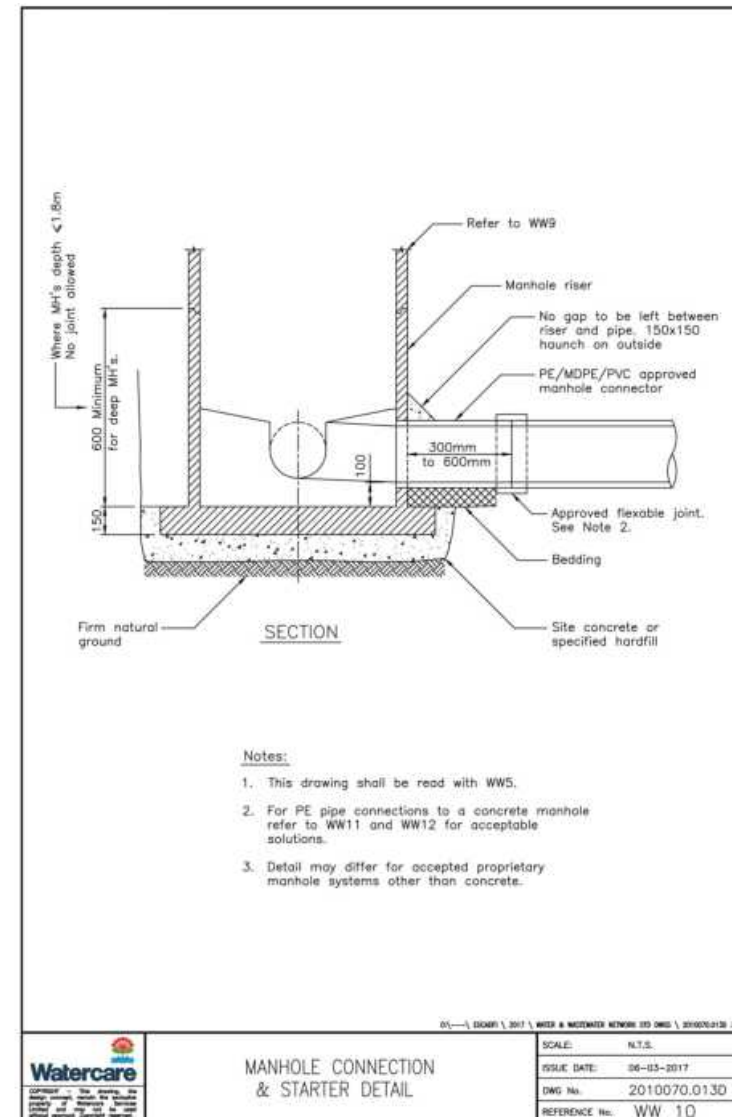
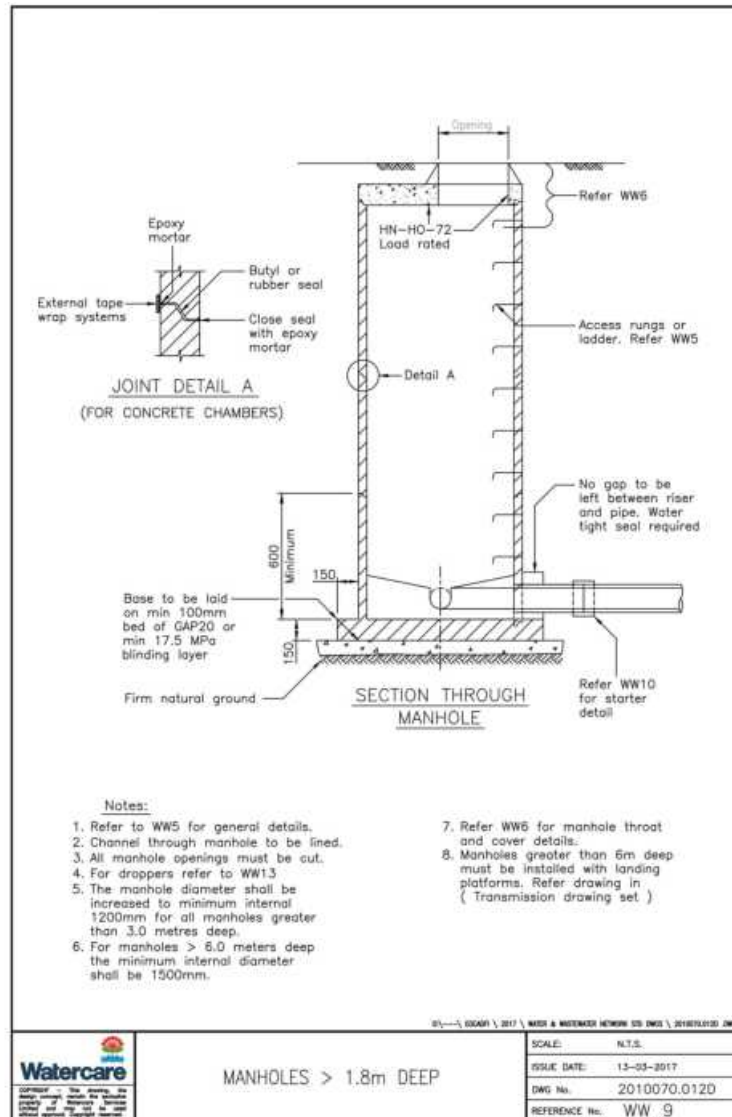
SCALE:
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DRAWING NO.: **3325-2-5901** REV: **A**

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
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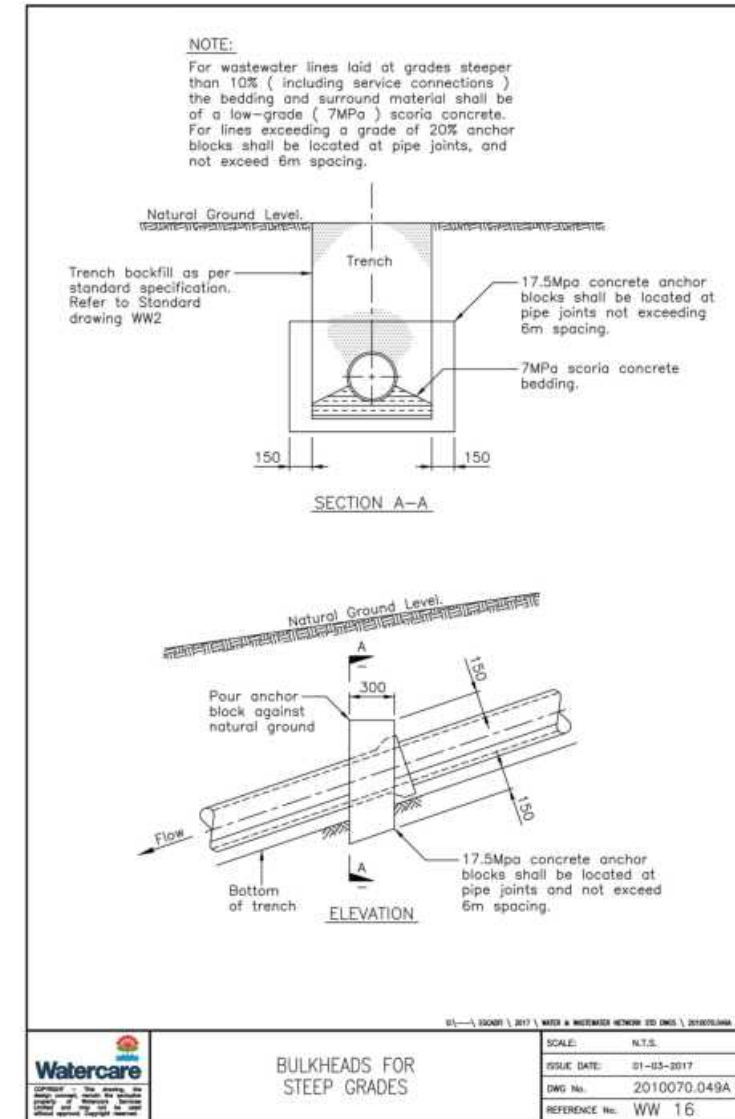
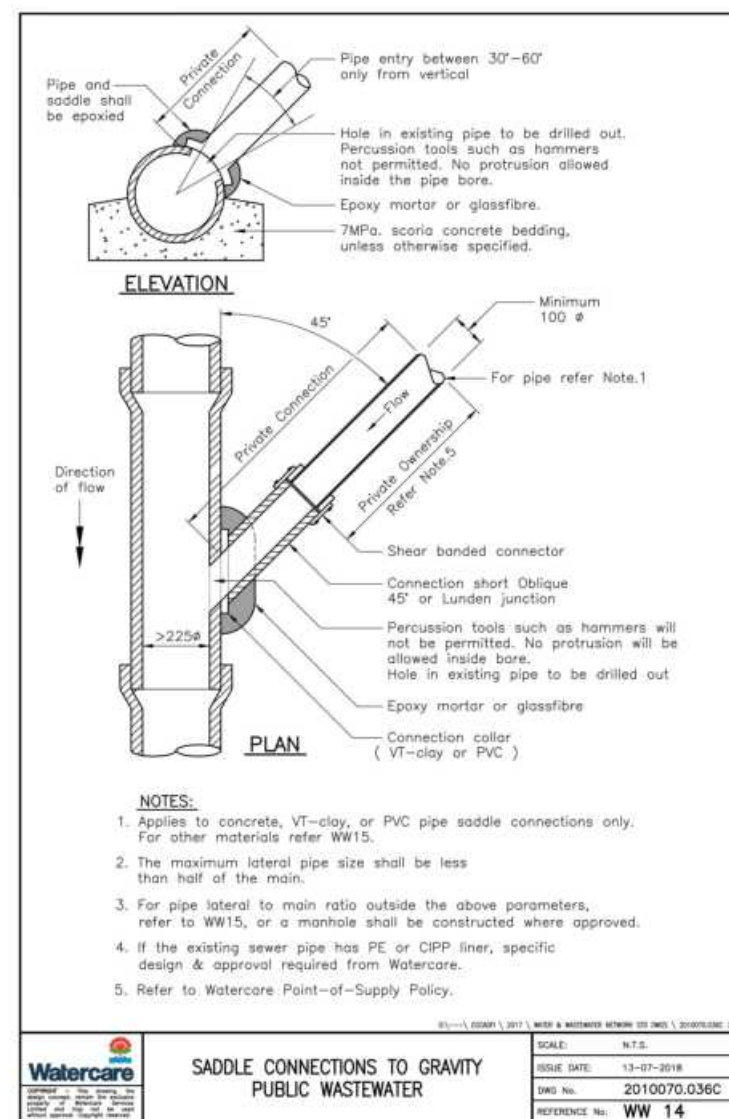
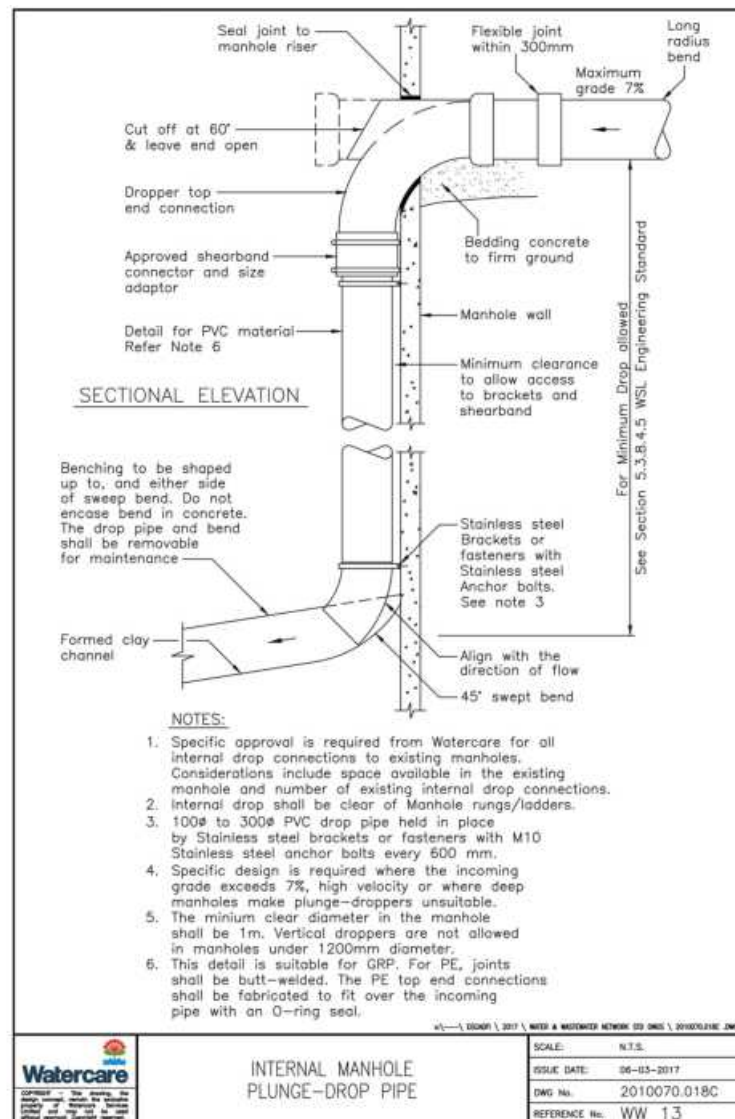
NOTES

- 1. FOR SW / WW NOTES REFER DRAWING 400



NOTES

- 1. FOR SW / WW NOTES REFER DRAWING 400



AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

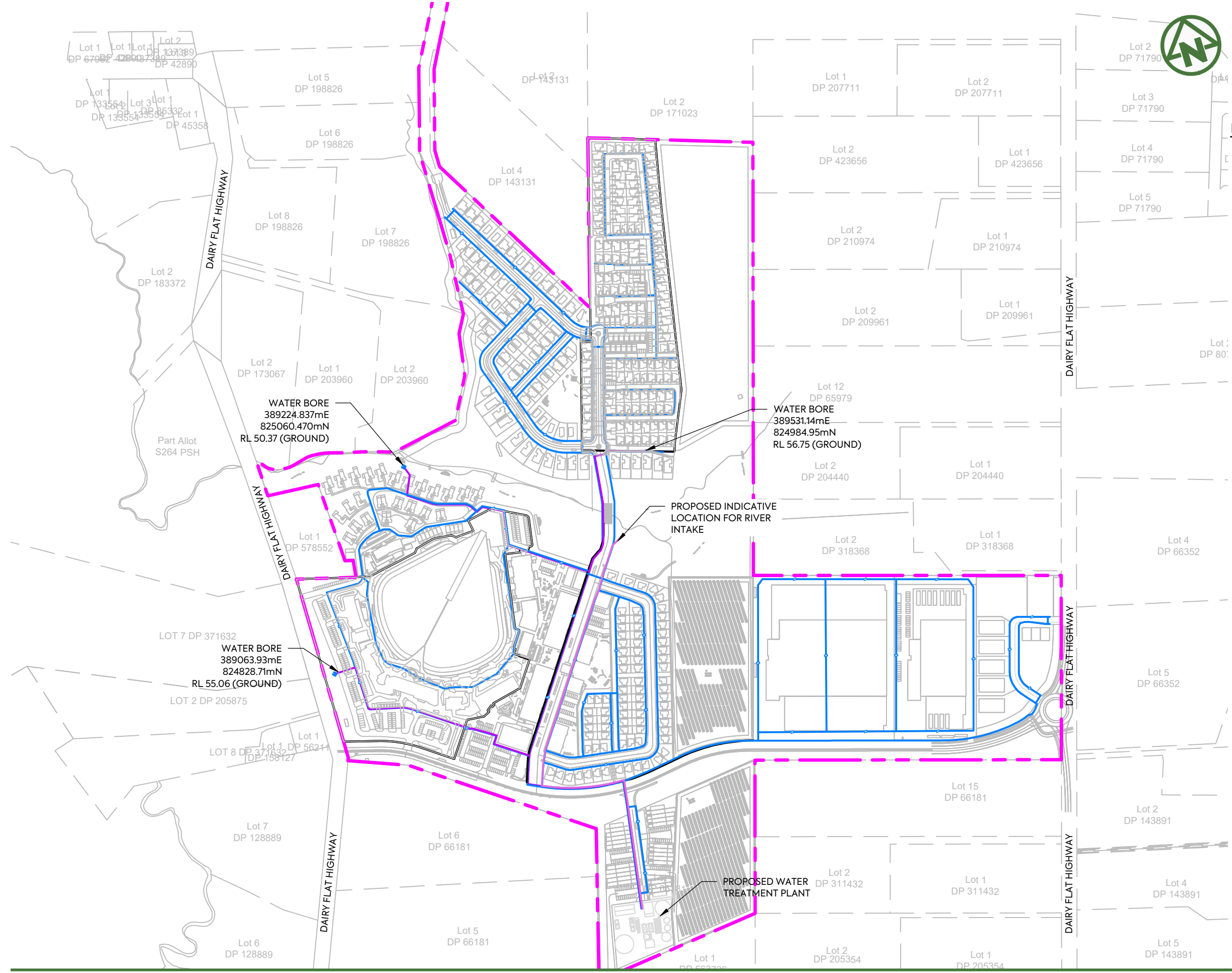
WASTEWATER
AUCKLAND COUNCIL CODE OF
PRACTICE STANDARD DETAILS

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
NTS
DO NOT SCALE

DRAWING NO. 3325-2-5903
REV: A

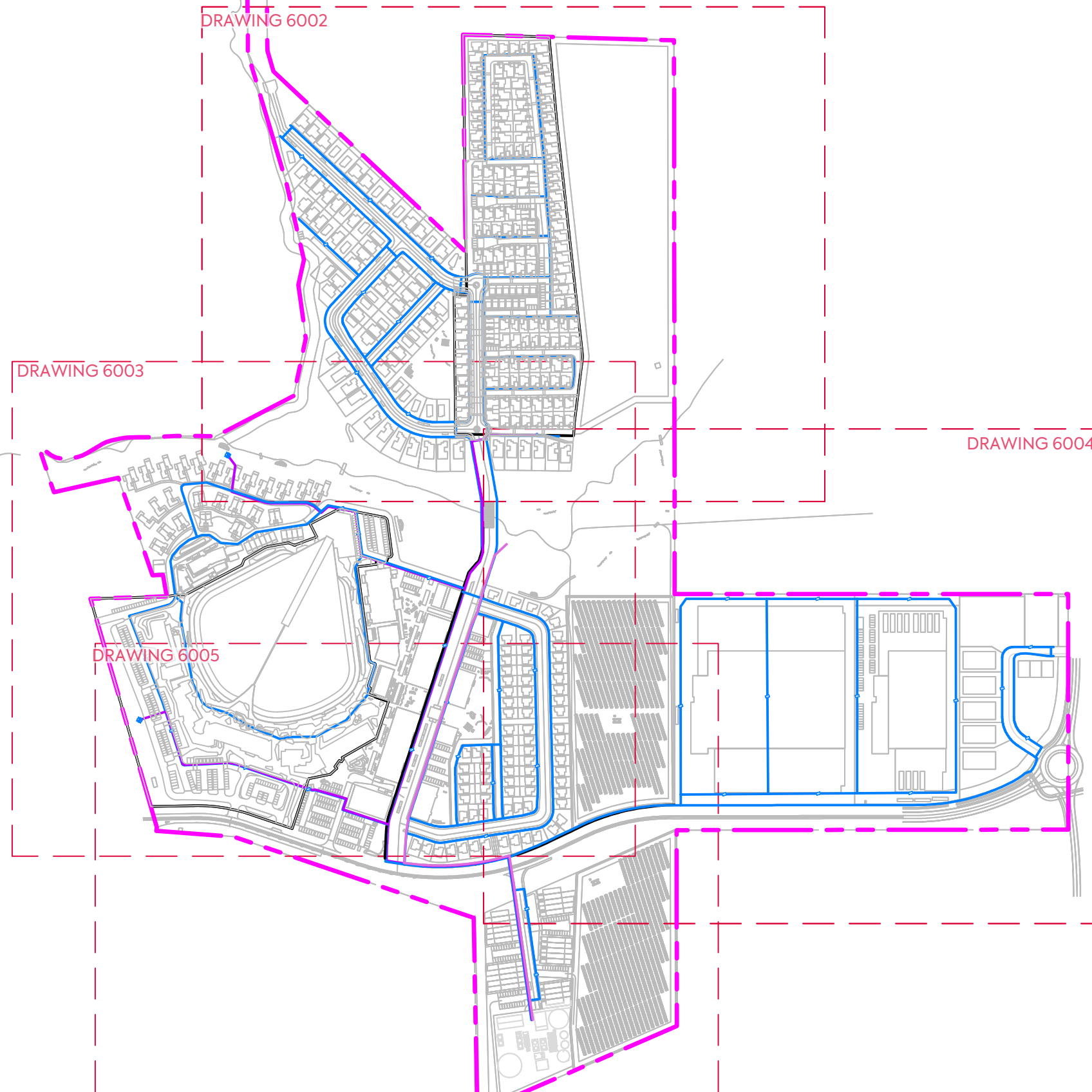
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE				



- NOTES:**
1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
 2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
 3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
 4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
 5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

- LEGEND:**
- SITE BOUNDARY
 - FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION)
 - PROPOSED WATERMAIN
 - PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT
 - WATER BORE

	<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WATER SUPPLY OVERALL PLAN</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>																														
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D	DRAWING UPDATED	PK	SL	JK	24/04/26																													
C		SJO	SL	JK	15/04/26																													
B	DRAWING UPDATED	AL	SL	JK	13/01/26																													
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25																													
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE																													



NOTES:

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4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

LEGEND:

- SITE BOUNDARY — — — — —
- FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION) - - - - -
- PROPOSED WATERMAIN —————
- PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT —————
- WATER BORE ◆

CLIENT:

AW HOLDINGS 2021 LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

WATER SUPPLY
SHEET 1

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:5000

DO NOT SCALE

DRAWING NO:
3325-2-6001

REV:
D

D	DRAWING UPDATED	PK	SL	JK	24/04/26
C		SJO	SL	JK	15/04/26
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.



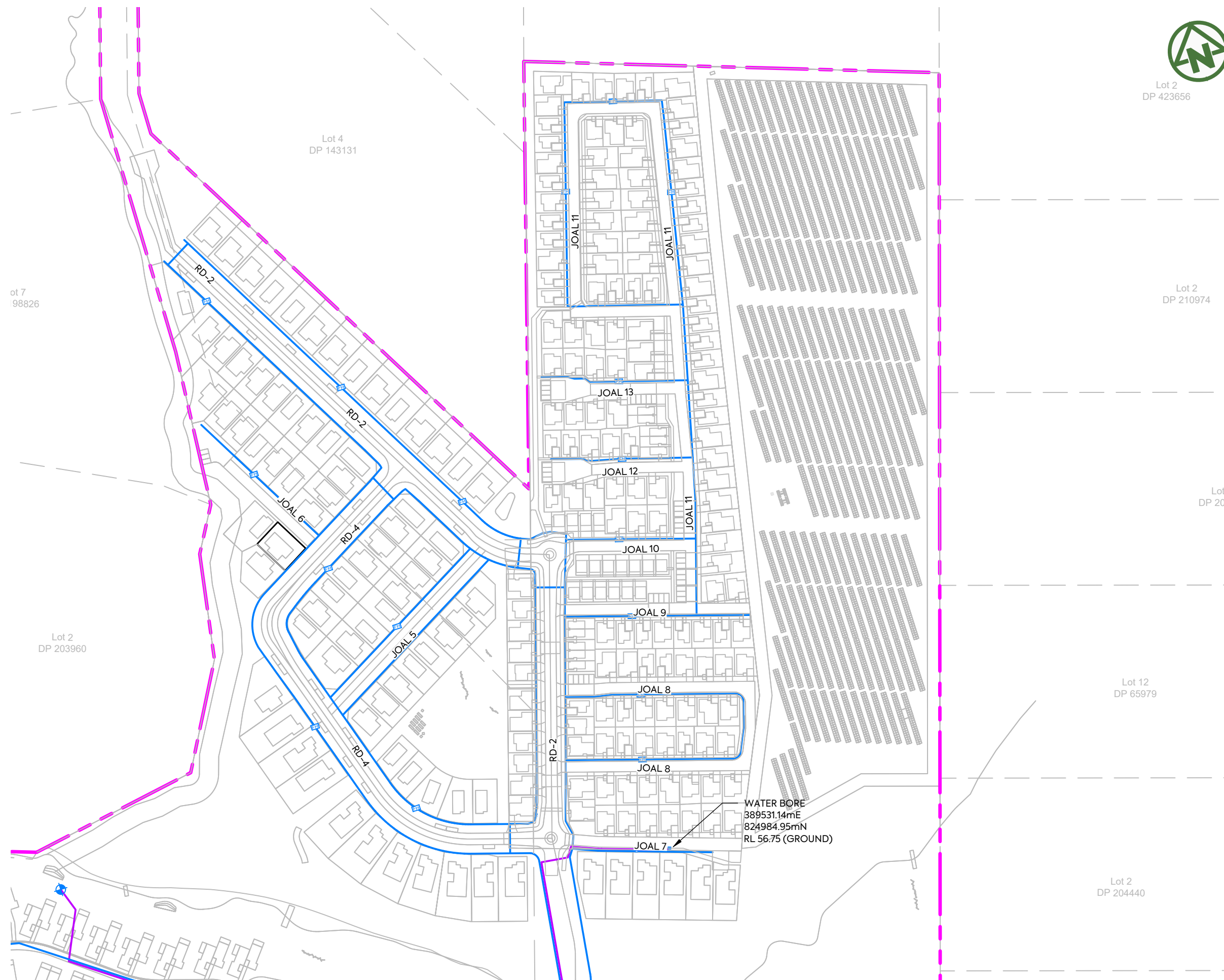
Lot 2
DP 423656

NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
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5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

LEGEND:

- Lot 2 DP 2099 SITE BOUNDARY
- FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION)
- PROPOSED WATERMAIN
- PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT
- WATER BORE



CLIENT: PROJECT: TITLE: PURPOSE OF ISSUE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

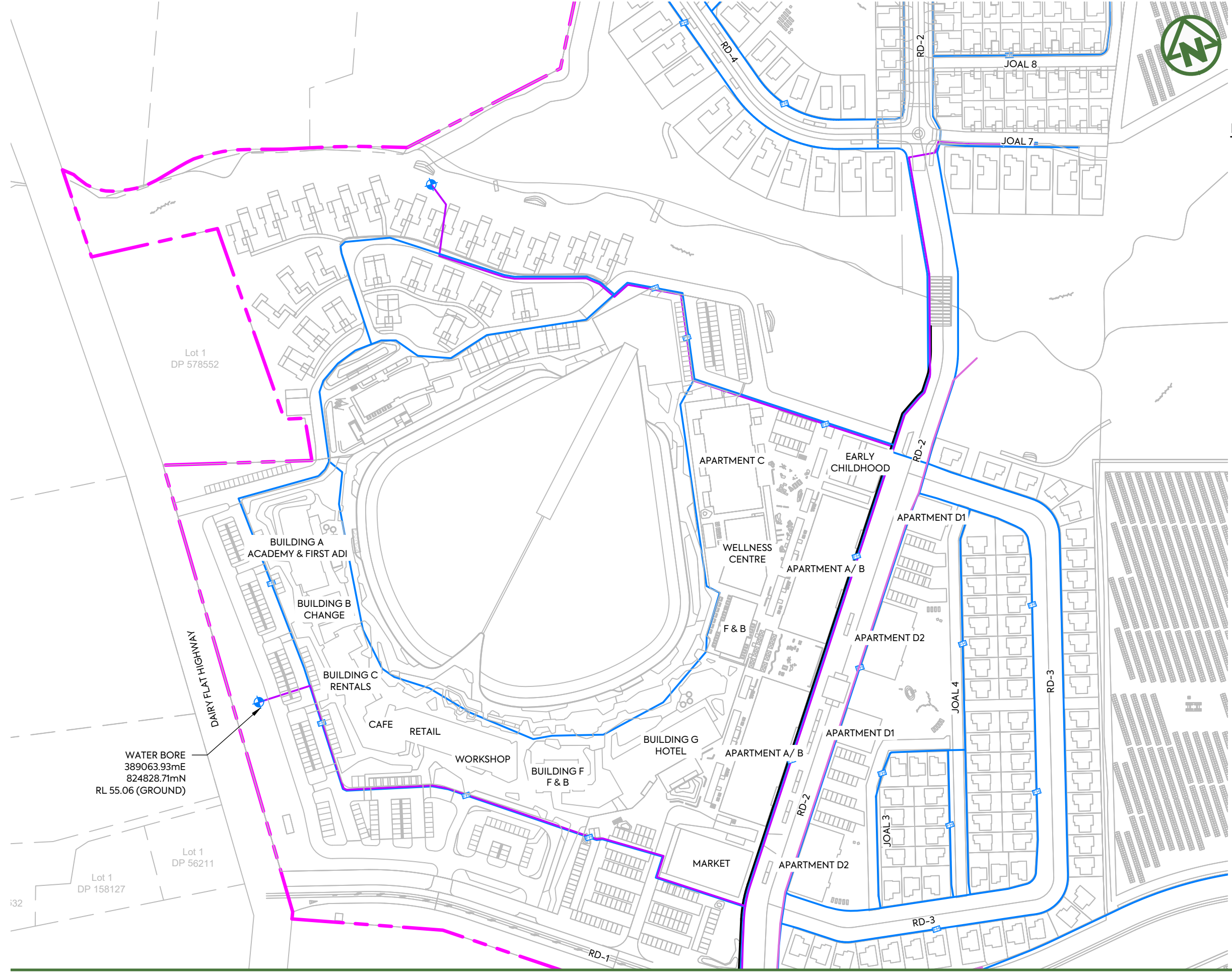
WATER SUPPLY
SHEET 2

FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25

SCALE:
1:2000
DO NOT SCALE
DRAWING NO: 3325-2-6002
REV: B



- NOTES:**
- THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
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 - THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

- LEGEND:**
- SITE BOUNDARY ---
 - FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION) ---
 - PROPOSED WATERMAIN ---
 - PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT ---
 - WATER BORE ◆

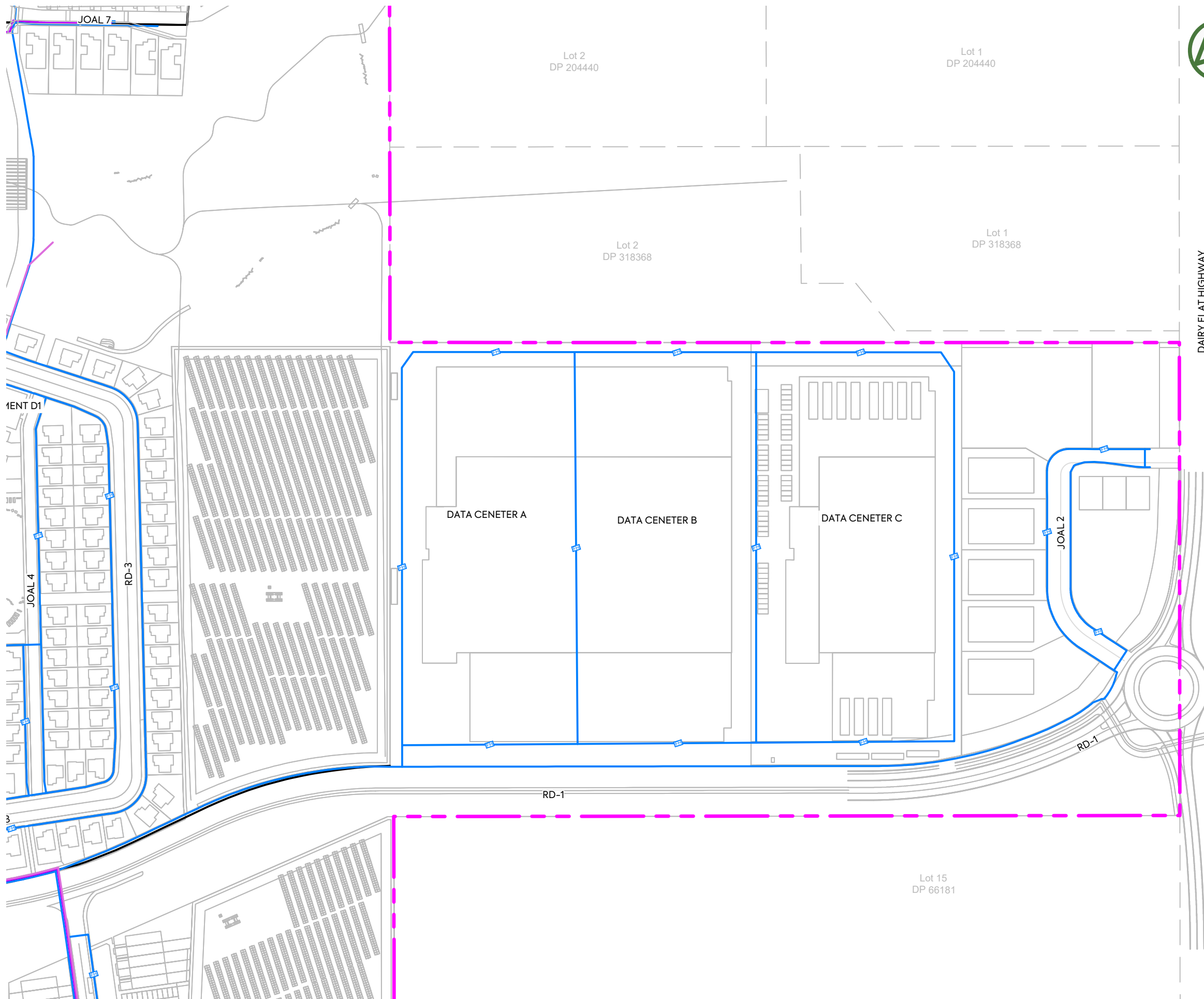
WATER BORE
 389063.93mE
 824828.71mN
 RL 55.06 (GROUND)

CLIENT: AW HOLDINGS 2021 LIMITED PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND TITLE: WATER SUPPLY SHEET 3 PURPOSE OF ISSUE: FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25

SCALE: 1:2000
 DO NOT SCALE
 DRAWING NO: 3325-2-6003 REV: B



NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
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5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

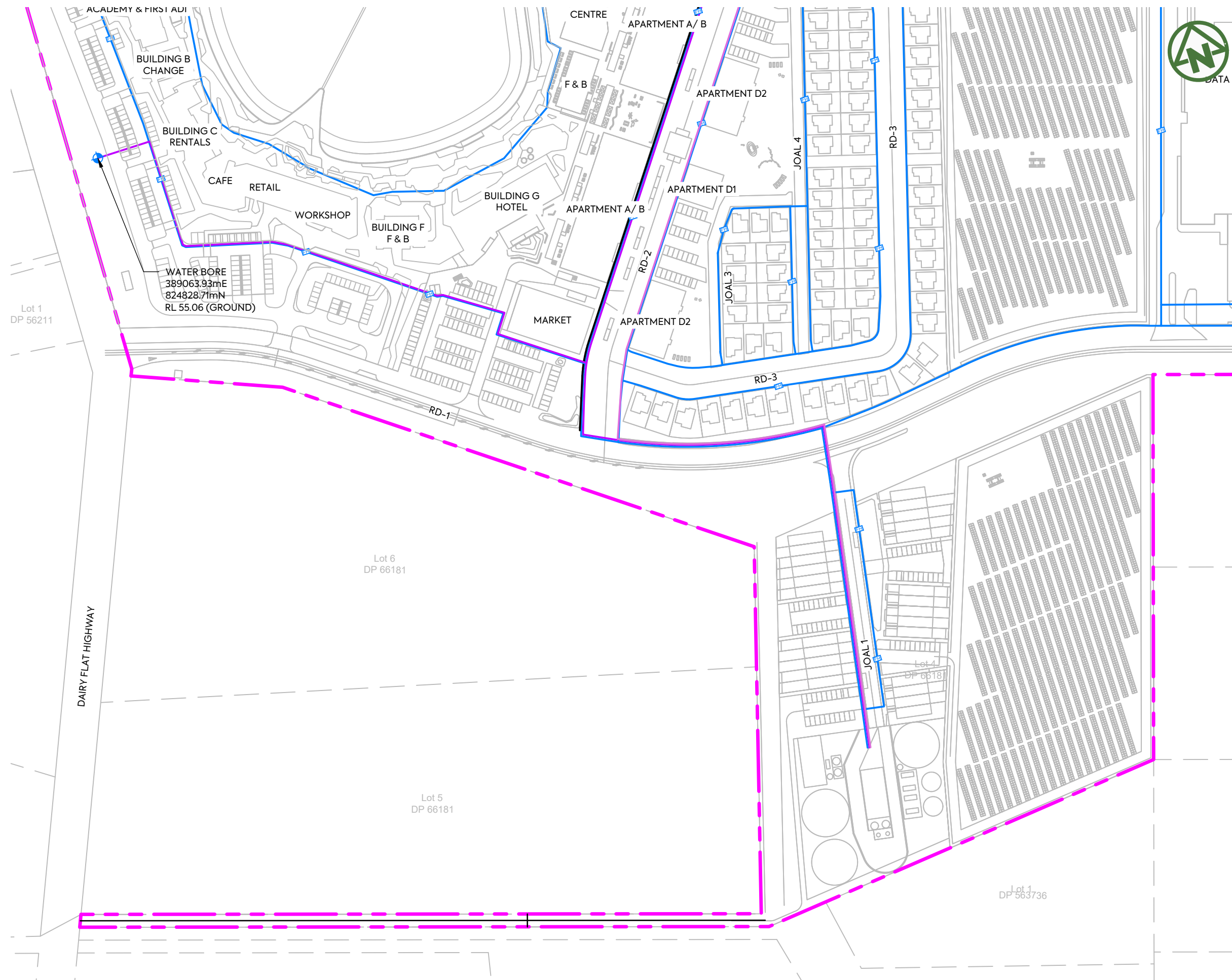
LEGEND:

- SITE BOUNDARY
- FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION)
- PROPOSED WATERMAIN
- PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT
- WATER BORE

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WATER SUPPLY SHEET 4</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p> <p>SCALE: 1:2000 DO NOT SCALE</p> <p>DRAWING NO: 3325-2-6004</p> <p>REV: D</p>
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REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
D	DRAWING UPDATED	PK	SL	JK	24/04/26
C		SJO	SL	JK	15/04/26
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25





NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
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5. THE DESIGN LIFE OF THE INFRASTRUCTURE WITHIN PUBLIC ROAD CORRIDORS IS 50 YEARS.

LEGEND:

- SITE BOUNDARY — — — — —
- FUTURE LOT BOUNDARY (SUBJECT TO SEPARATE APPLICATION) - - - - -
- PROPOSED WATERMAIN —————
- PROPOSED WATERMAIN FROM WATER BORE TO TREATMENT PLANT —————
- WATER BORE ◆

Lot 1
DP 56211

WATER BORE
389063.93mE
824828.71mN
RL 55.06 (GROUND)

Lot 6
DP 66181

Lot 5
DP 66181

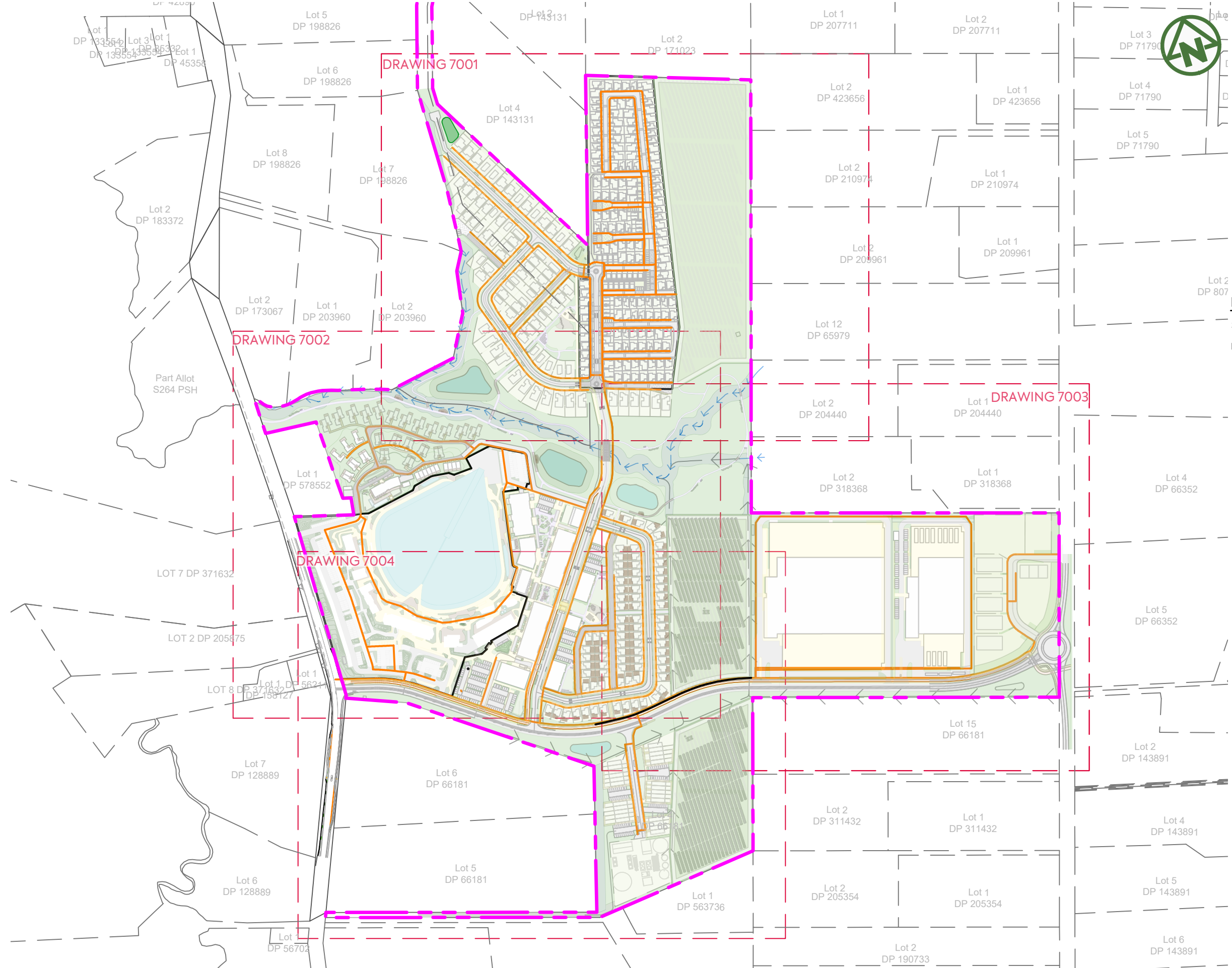
Lot 4
DP 66181

Lot 1
DP 563736

DAIRY FLAT HIGHWAY

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: WATER SUPPLY SHEET 5</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p>
			<p>SCALE: 1:2000 DO NOT SCALE</p>
<p>REV: B</p>		<p>DRAWING NO: 3325-2-6005</p>	<p>REV: B</p>

B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FOR RESOURCE CONSENT	SB	SL	JK	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



- NOTES:**
1. POWER, TELECOM AND GAS LAYOUT ARE SUBJECT TO FINAL DESIGN PROVIDED BY THE UTILITY PROVIDERS
 2. SERVICES ASBUILT TO BE PROVIDED BY UTILITY PROVIDERS.
 3. TRANSFORMERS, SWITCH GEAR, TELECOM CABINETS TO BE LOCATED WITHIN LOTS.
 4. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION.

- LEGEND:**
- SITE BOUNDARY
 - PROPOSED UTILITIES TRENCH

CLIENT: **AW HOLDINGS 2021 LIMITED** PROJECT: **AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND** TITLE: **UTILITIES OVERALL PLAN** PURPOSE OF ISSUE: **FOR RESOURCE CONSENT**



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
C	DRAWING UPDATED	PK	SL	JK	24/04/26
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	DW	SL	JK	07/11/25

SCALE: **1:5000**
DO NOT SCALE
DRAWING NO: **3325-2-7000** REV: **C**



Lot 2
DP 423656

NOTES:

- 1. REFER TO DRAWING 700 FOR STANDARD UTILITY NOTES

Lot 2
DP 210974

Lot 2
DP 2099

LEGEND:

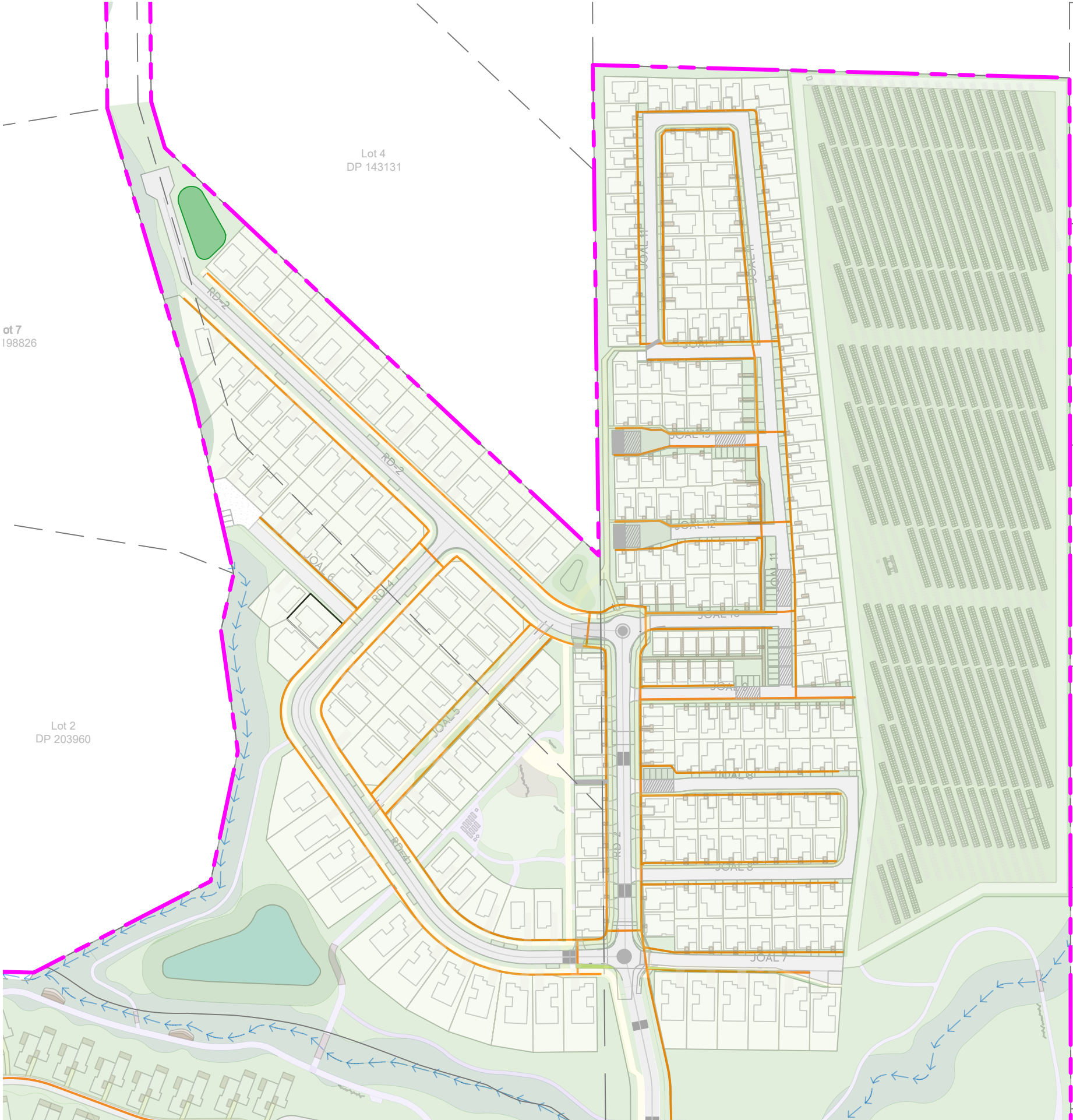
SITE BOUNDARY

PROPOSED UTILITIES TRENCH



Lot 12
DP 65979

Lot 2
DP 204440



Lot 7
198826

Lot 4
DP 143131

Lot 2
DP 203960

CLIENT:
**AW HOLDINGS 2021
LIMITED**

PROJECT:
**AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND**

TITLE:
**UTILITIES
SHEET 1**

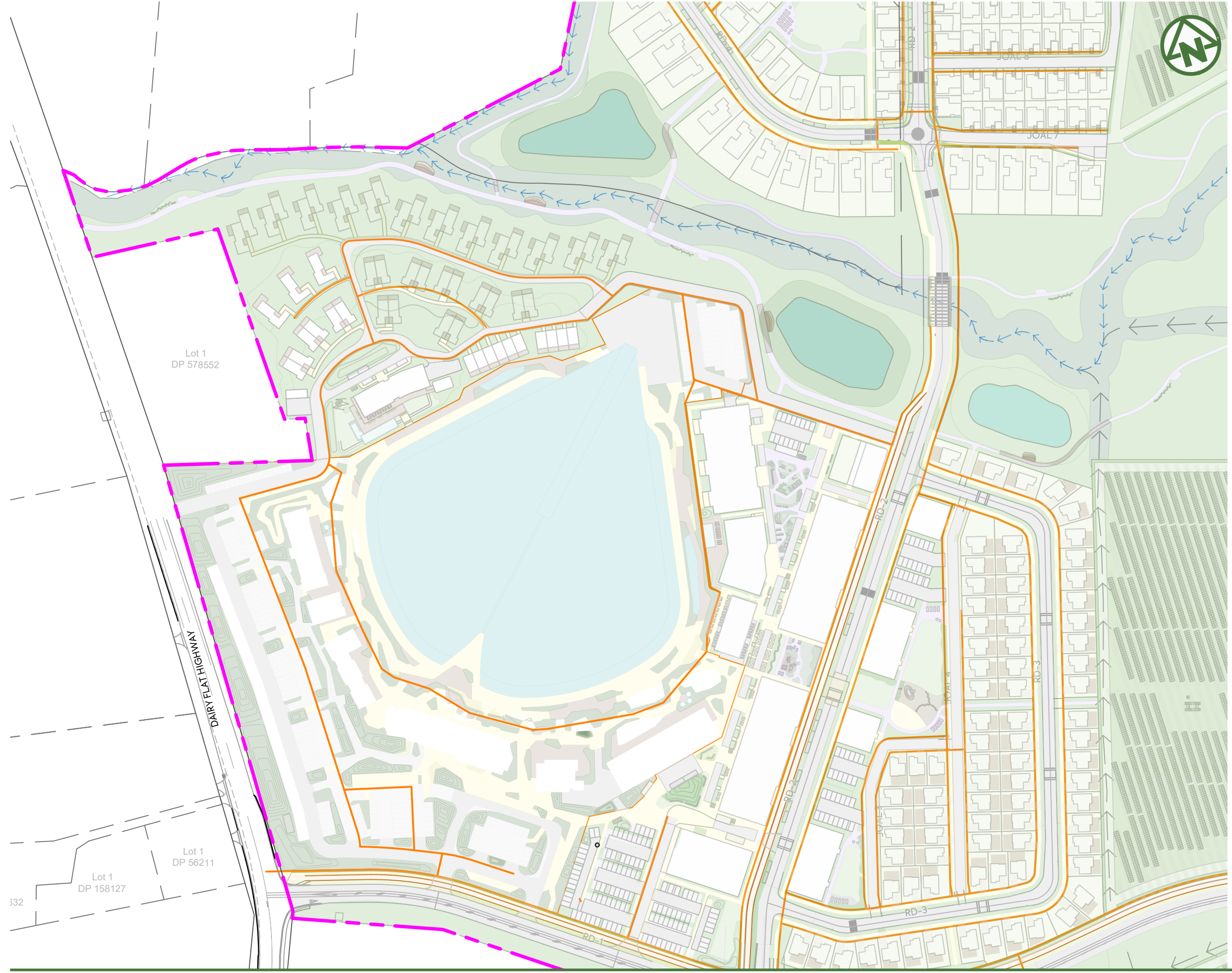
PURPOSE OF ISSUE:
FOR RESOURCE CONSENT



REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	DW	SL	JK	07/11/25

SCALE:
1:2000
DO NOT SCALE

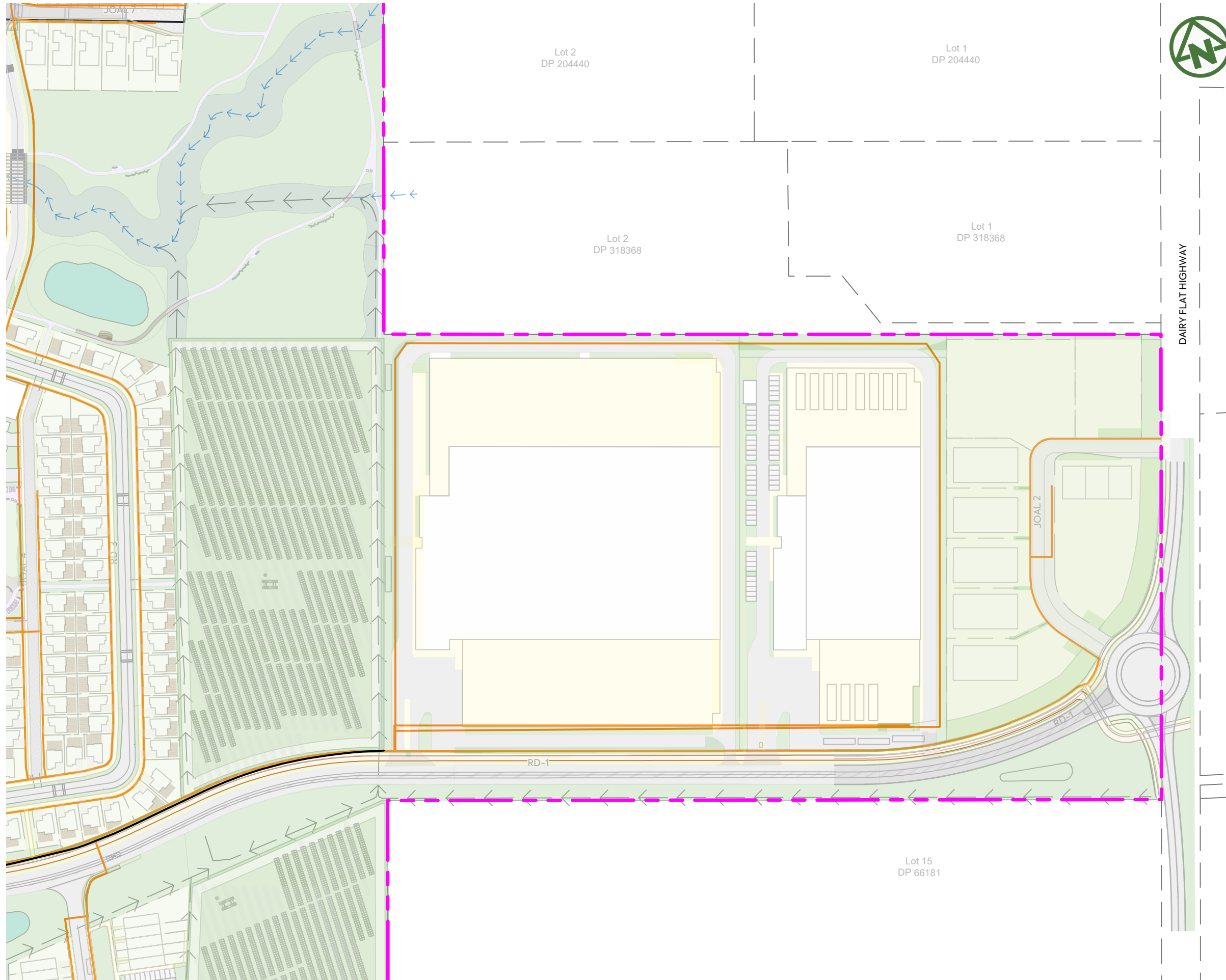
DRAWING NO: **3325-2-7001** REV: **B**



NOTES:
 1. REFER TO DRAWING 700 FOR STANDARD UTILITY NOTES

LEGEND:
 SITE BOUNDARY - - - - -
 PROPOSED UTILITIES TRENCH —————

	CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: UTILITIES SHEET 2	PURPOSE OF ISSUE: FOR RESOURCE CONSENT																		
				SCALE: 1:2000 <small>DO NOT SCALE</small>																		
<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">REV</td> <td style="width: 70%;">DESCRIPTION</td> <td style="width: 10%;">DRN BY</td> <td style="width: 10%;">CHK BY</td> <td style="width: 10%;">APP BY</td> <td style="width: 10%;">DATE</td> </tr> <tr> <td>B</td> <td>DRAWING UPDATED</td> <td>AL</td> <td>SL</td> <td>JK</td> <td>13/01/26</td> </tr> <tr> <td>A</td> <td>FIRST ISSUE</td> <td>DW</td> <td>SL</td> <td>JK</td> <td>07/11/25</td> </tr> </table>	REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE	B	DRAWING UPDATED	AL	SL	JK	13/01/26	A	FIRST ISSUE	DW	SL	JK	07/11/25				DRAWING NO: 3325-2-7002 REV: B
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE																	
B	DRAWING UPDATED	AL	SL	JK	13/01/26																	
A	FIRST ISSUE	DW	SL	JK	07/11/25																	
PLOT DATE 2026-01-15 13:25:36 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE																						



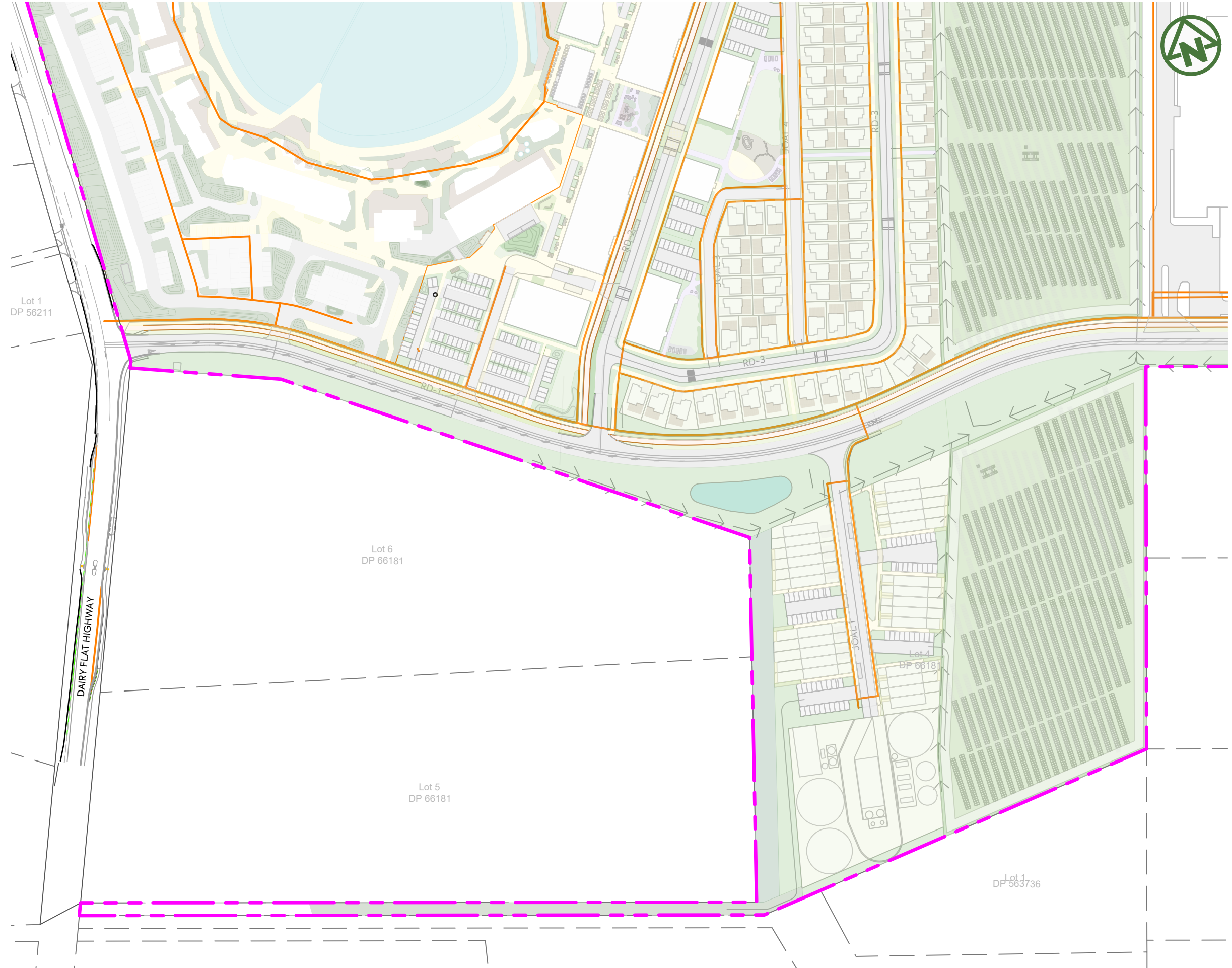
NOTES:
 1. REFER TO DRAWING 700 FOR STANDARD UTILITY NOTES

LEGEND:
 SITE BOUNDARY - - - - -
 PROPOSED UTILITIES TRENCH —————

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: UTILITIES SHEET 3</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p> <p>SCALE: 1:2000</p> <p>DO NOT SCALE</p> <p>DRAWING NO.: 3325-2-7003</p> <p>REV: C</p>
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REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
C	DRAWING UPDATED	PK	SL	JK	24/04/26
B	DRAWING UPDATED	AL	SL	JK	13/01/26
A	FIRST ISSUE	DW	SL	JK	07/11/25





NOTES:
 1. REFER TO DRAWING 700 FOR STANDARD UTILITY NOTES

LEGEND:
 SITE BOUNDARY - - - - -
 PROPOSED UTILITIES TRENCH —————

<p>CLIENT: AW HOLDINGS 2021 LIMITED</p>	<p>PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND</p>	<p>TITLE: UTILITIES SHEET 4</p>	<p>PURPOSE OF ISSUE: FOR RESOURCE CONSENT</p> <p>SCALE: 1:2000</p> <p>DO NOT SCALE</p> <p>DRAWING NO.: 3325-2-7004</p> <p>REV: B</p>
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<p>B DRAWING UPDATED AL SL JK 13/01/26</p> <p>A FIRST ISSUE DW SL JK 07/11/25</p>	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; border-bottom: 1px solid black;">REV</td> <td style="width: 25%; border-bottom: 1px solid black;">DESCRIPTION</td> <td style="width: 25%; border-bottom: 1px solid black;">DRN BY</td> <td style="width: 25%; border-bottom: 1px solid black;">CHK BY</td> <td style="width: 25%; border-bottom: 1px solid black;">APP BY</td> <td style="width: 25%; border-bottom: 1px solid black;">DATE</td> </tr> </table>	REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
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