



AUCKLAND SURF PARK

AW HOLDINGS 2021 LTD

ENGINEERING DRAWINGS

RESOURCE CONSENT

MCK PROJECT NO. | **3325 -2**

ISSUE DATE: | APRIL. 2026



AUCKLAND SURF PARK

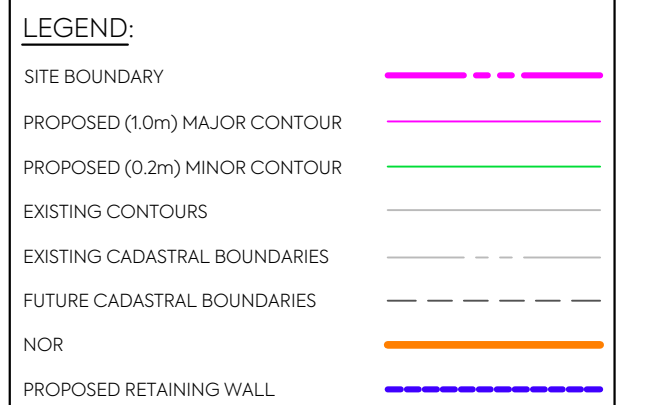
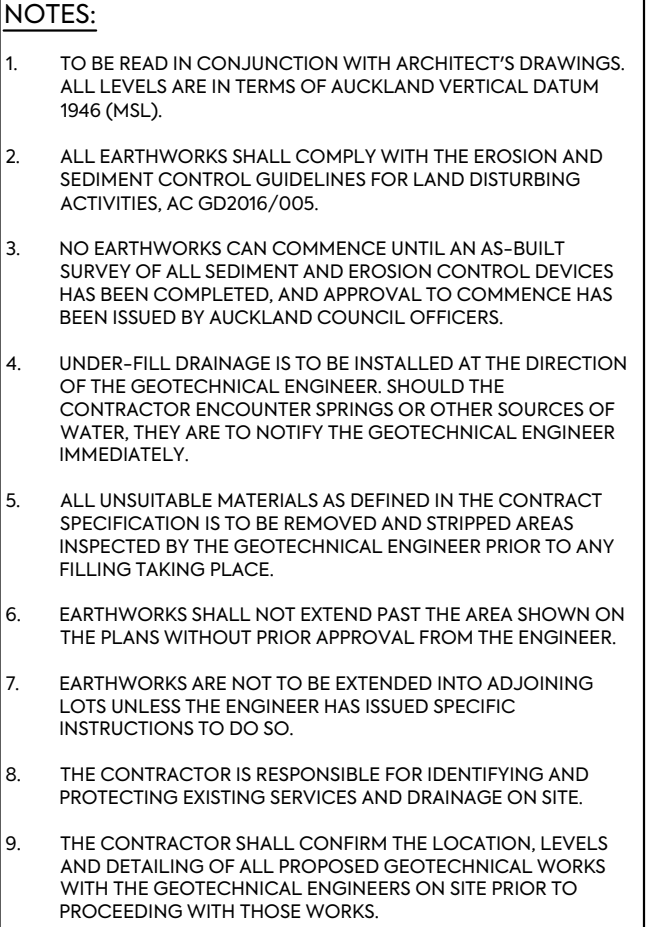
DRAWING INDEX

DWG NO.	TITLE	REV
	Cover Sheet	
0000	Cover Sheet	C
0001	Index Sheet	C
	Earthworks	
2000	Earthworks Final Contour Overal Plan	D
2001	Earthworks Final Contour Plan Key Sheet	D
2002	Earthworks Final Contour Plan Sheet 1	B
2003	Earthworks Final Contour Plan Sheet 2	B
2004	Earthworks Final Contour Plan Sheet 3	C
2005	Earthworks Final Contour Plan Sheet 4	C
2100	Earthworks Cut and Fill Plan Overall	D
2101	Earthworks Cut and Fill Plan Key Sheet	D
2102	Earthworks Cut and Fill Plan Sheet 1	B
2103	Earthworks Cut and Fill Plan Sheet 2	B
2104	Earthworks Cut and Fill Plan Sheet 3	B
2105	Earthworks Cut and Fill Plan Sheet 4	B
2106	Earthworks Cut and Fill Plan Sheet 5	A
2107	Earthworks Cut and Fill Plan Sheet 6	A
2108	Earthworks Cut and Fill Plan Sheet 7	A
2109	Earthworks Cut and Fill Plan Sheet 8	A
2110	Earthworks Cut and Fill Plan Sheet 9	B
2111	Earthworks Cut and Fill Plan Sheet 10	C
2112	Earthworks Cut and Fill Plan Sheet 11	B
2113	Earthworks Cut and Fill Plan Sheet 12	B
2114	Earthworks Cut and Fill Plan Sheet 13	B
2115	Earthworks Cut and Fill Plan Sheet 14	B
2300	Erosion and Sed Control Plan Overview	A
2301	Erosion and Sed Control Catchment Plan Key Sheet	A
2302	Erosion and Sed Control Catchment Plan Sheet 1	A
2303	Erosion and Sed Control Catchment Plan Sheet 2	A
2304	Erosion and Sed Control Catchment Plan Sheet 3	A
2305	Erosion and Sed Control Catchment Plan Sheet 4	A
2306	Erosion and Sed Control Catchment Plan Detail	A
2500	EARTHWORKS PROPOSED RETAINING WALL OVERALL PLAN	C
2501	EARTHWORKS PROPOSED RETAINING WALL KEY PLAN	B
2502	EARTHWORKS PROPOSED RETAINING WALL SHEET 1	B
2503	EARTHWORKS PROPOSED RETAINING WALL SHEET 2	B
2504	EARTHWORKS PROPOSED RETAINING WALL SHEET 3	C
2505	EARTHWORKS PROPOSED RETAINING WALL SHEET 4	B
2900	Erosion and Sed Control Catchment Plan Detail Sheet 1	A
2901	Erosion and Sed Control Catchment Plan Detail Sheet 2	A
2902	Erosion and Sed Control Catchment Plan Detail Sheet 3	A
	Roading	-
3000	Roading Plan Overall	D
3001	Roading Plan sheet 1	B
3002	Roading Plan sheet 2	B
3003	Roading Plan sheet 3	D
3004	Roading Plan sheet 4	B

	Roading	-
3000	Roading Plan Overall	D
3001	Roading Plan sheet 1	B
3002	Roading Plan sheet 2	B
3003	Roading Plan sheet 3	D
3004	Roading Plan sheet 4	B
3005	Roading Plan sheet 5	B
3100	Roading Plan and Long Section Sheet 1	D
3101	Roading Plan and Long Section Sheet 2	B
3102	Roading Plan and Long Section Sheet 3	B
3103	Roading Plan and Long Section Sheet 4	B
3104	Roading Plan and Long Section Sheet 5	B
3105	Roading Plan and Long Section Sheet 6	B
3106	Roading Plan and Long Section Sheet 7	B
3107	Roading Plan and Long Section Sheet 8	B
3108	Roading Plan and Long Section Sheet 9	B
3109	Roading Plan and Long Section Sheet 10	D
3600	Roading Cross Section Sheet 1	A
3601	Roading Cross Section Sheet 2	A
3602	Roading Cross Section Sheet 3	A
3603	Roading Cross Section Sheet 4	A
3604	Roading Cross Section Sheet 5	A
3605	Roading Cross Section Sheet 6	A
3606	Roading Cross Section Sheet 7	A
3607	Roading Cross Section Sheet 8	A
3608	Roading Cross Section Sheet 9	A
3609	Roading Cross Section Sheet 10	A
3610	Roading Cross Section Sheet 11	A
3611	Roading Cross Section Sheet 12	A
3612	Roading Cross Section Sheet 13	A
3613	Roading Cross Section Sheet 14	A
3614	Roading Cross Section Sheet 15	A
3615	Roading Cross Section Sheet 16	A
3616	Roading Cross Section Sheet 17	A
3617	Roading Cross Section Sheet 18	A
3850	Roading Rubbish Bin Location Plan Overall	D
3851	Roading Rubbish Bin Location Plan Sheet 1	B
3852	Roading Rubbish Bin Location Plan Sheet 2	B
3853	Roading Rubbish Bin Location Plan Sheet 3	D
3854	Roading Rubbish Bin Location Plan Sheet 4	B
3900	Roading Standard Details	A
DWG NO.	TITLE	REV
	Stormwater	
4000	Stormwater Plan Overall	D
4001	Stormwater Plan Page Finder	D
4002	Stormwater Plan Sheet 1	B
4003	Stormwater Plan Sheet 2	B
4004	Stormwater Plan Sheet 3	B
4005	Stormwater Plan Sheet 4	B
4006	Stormwater Plan Sheet 5	B

4007	Stormwater Plan Sheet 6	B
4008	Stormwater Plan Sheet 7	B
4009	Stormwater Plan Sheet 8	B
4010	Stormwater Plan Sheet 9	B
4011	Stormwater Plan Sheet 10	B
4012	Stormwater Plan Sheet 11	B
4013	Stormwater Plan Sheet 12	B
4014	Stormwater Plan Sheet 13	B
4015	Stormwater Plan Sheet 14	B
4016	Stormwater Plan Sheet 15	B
4017	Stormwater Plan Sheet 16	B
4018	Stormwater Plan Sheet 17	B
4019	Stormwater Plan Sheet 18	B
4020	Stormwater Plan Sheet 19	B
4021	Stormwater Plan Sheet 20	B
4022	Stormwater Plan Sheet 21	D
4023	Stormwater Plan Sheet 22	D
4024	Stormwater Plan Sheet 23	C
4610	Stormwater 1% AEP Catchment Plan Overall	C
4615	Sormwater 1% AEP Catchment Cross Section Sheet 1	A
4616	Sormwater 1% AEP Catchment Cross Section Sheet 2	A
4617	Sormwater 1% AEP Catchment Cross Section Sheet 3	A
4618	Sormwater 1% AEP Catchment Cross Section Sheet 4	A
4619	Sormwater 1% AEP Catchment Cross Section Sheet 5	A
4640	Stormwater Treatment Device Catchcment Plan Overall	D
4641	Stormwater Treatment Device Catchcments	B
4642	Stormwater Treatment Device Catchcments	B
4643	Stormwater Treatment Device Catchcments	B
4644	Stormwater Treatment Device Catchcments	B
4645	Stormwater Treatment Device Catchcments	D
4646	Stormwater Treatment Device Catchcments	B
4650	Stormwater Proposed 1% AEP Catchments	D
4651	Stormwater Proposed 1% AEP Catchments	B
4652	Stormwater Proposed 1% AEP Catchments	B
4653	Stormwater Proposed 1% AEP Catchments	D
4654	Stormwater Proposed 1% AEP Catchments	B
4800	Stormwater Constructed Wetland 1 Layout Plan	B
4801	Stormwater Constructed Wetland 2 Layout Plan	B
4802	Stormwater Constructed Wetland 3 Layout Plan	B
4803	Stormwater Raingarden North Layout Plan	B
4804	Stormwater Raingarden South Layout Plan	B
4805	Stormwater Raingarden Roundabout Layout Plan	B
4850	Stormwater Above Ground Detention Tank Detail	A
	Wastewater	
5000	Wastewater Plan Overall	D
5001	Wastewater Plan Sheet 1	D
5002	Wastewater Plan Sheet 2	B
5003	Wastewater Plan Sheet 3	B
5004	Wastewater Plan Sheet 4	B
5005	Wastewater Plan Sheet 5	B
5006	Wastewater Plan Sheet 6	B

5007	Wastewater Plan Sheet 7	B
5008	Wastewater Plan Sheet 8	B
5009	Wastewater Plan Sheet 9	D
5010	Wastewater Plan Sheet 10	B
5200	Wastewater Disposal Field Plan	A
5201	Wastewater Disposal Field Plan (Without Busway)	A
5900	Wastewater AC CoP Standard Details Sheet 1	A
5901	Wastewater AC CoP Standard Details Sheet 2	A
5902	Wastewater AC CoP Standard Details Sheet 3	A
5903	Wastewater AC CoP Standard Details Sheet 4	A
	Water Supply	
6000	Water Supply Plan Overall	D
6001	Water Supply Plan Sheet 1	D
6002	Water Supply Plan Sheet 2	B
6003	Water Supply Plan Sheet 3	B
6004	Water Supply Plan Sheet 4	D
6005	Water Supply Plan Sheet 5	B



D	DRAWING UPDATES	PK	SL	SL	24/04/26
C	DRAWING UPDATES	NS	SL	SL	13/01/26
B	DATA CENTRE RE-DESIGN	DK	SL	SL	08/12/25
A	FIRST ISSUE	AL	SL	SL	07/11/25
REV	DESCRIPTION	DNDR BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
FINAL CONTOUR
OVERALL PLAN

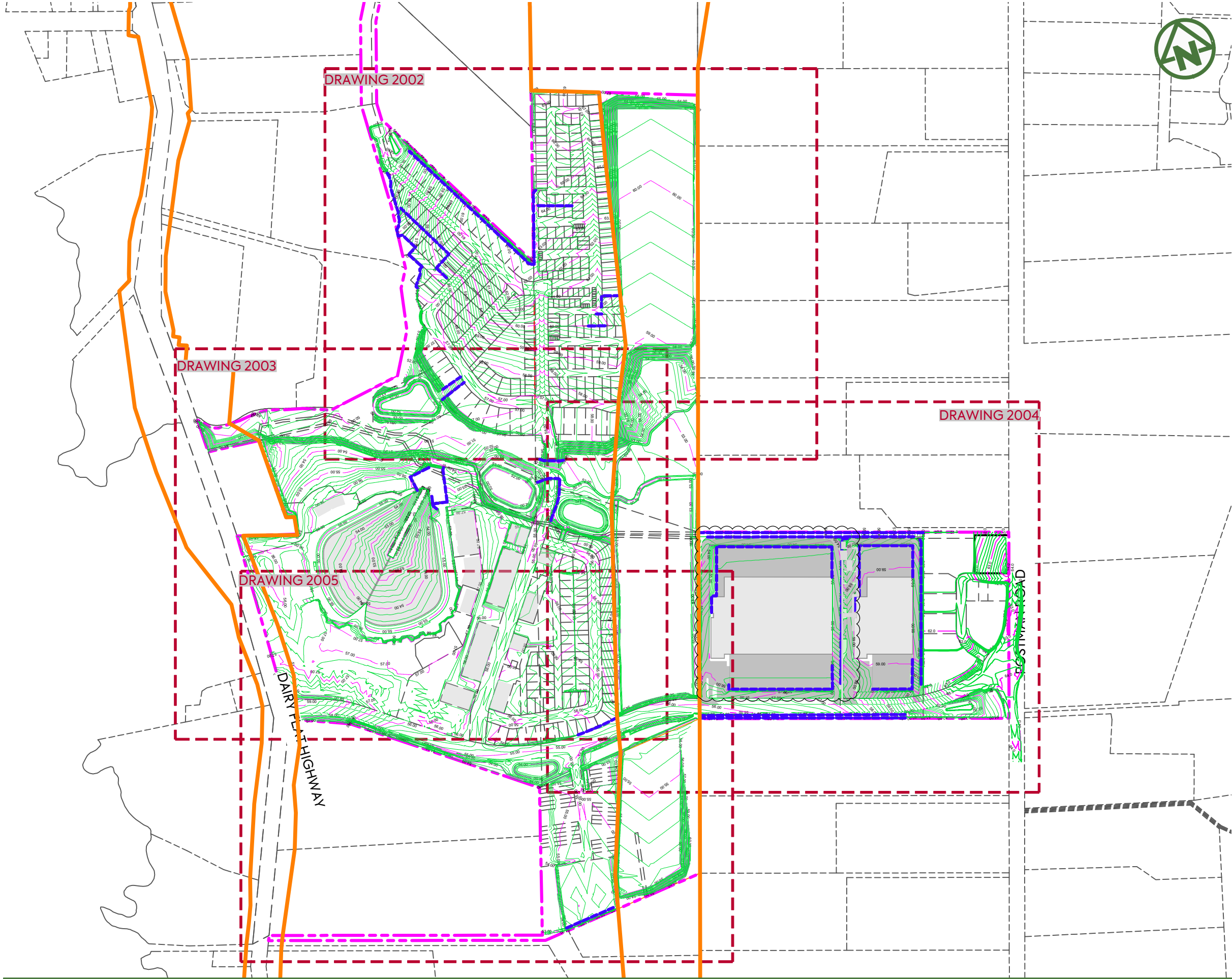
PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
1:5000
DO NOT SCALE

DRAWING NO: 3325-2-2000

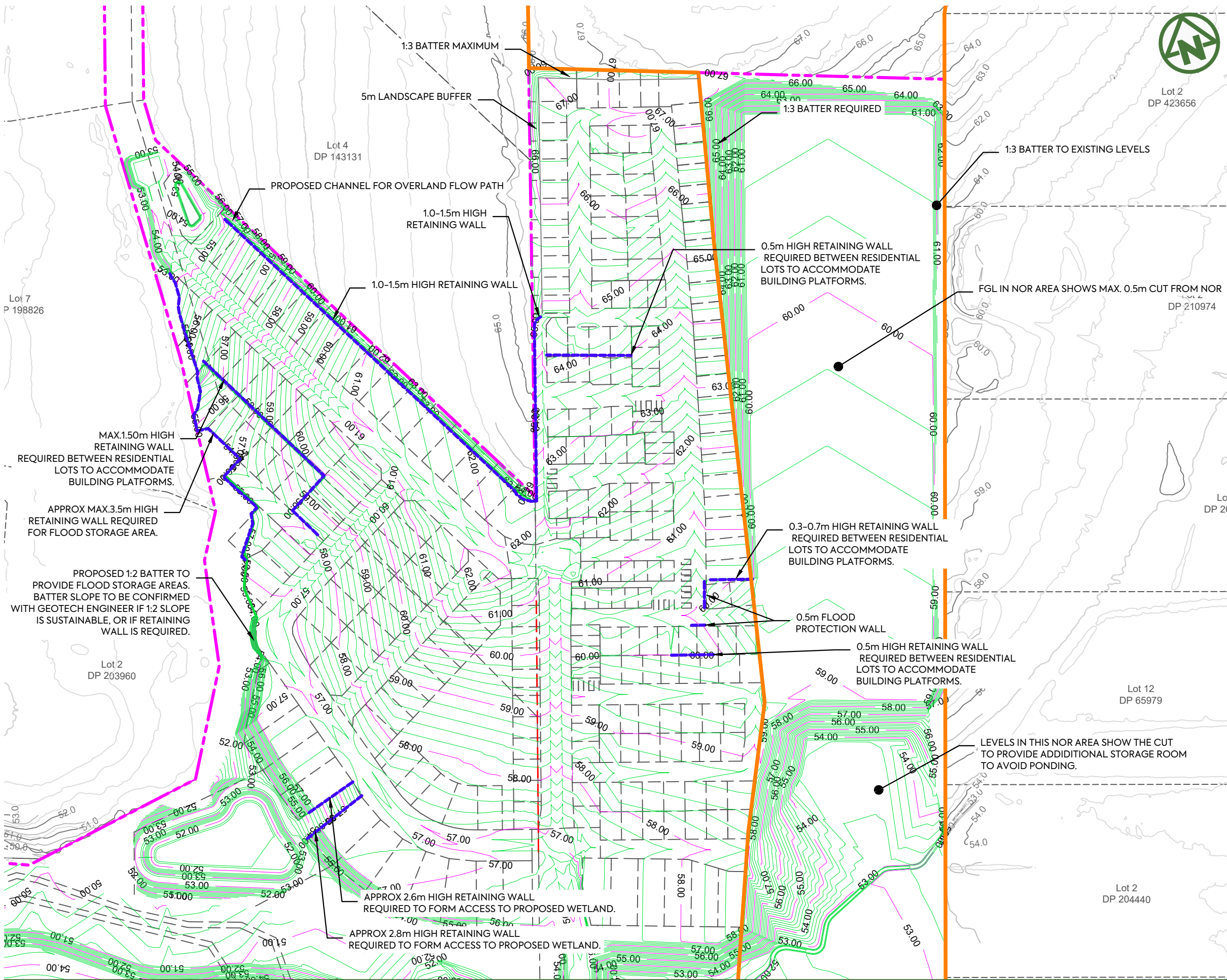
REV: D



- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

LEGEND:	
SITE BOUNDARY	
PROPOSED (1.0m) MAJOR CONTOUR	
PROPOSED (0.2m) MINOR CONTOUR	
EXISTING CONTOURS	
EXISTING CADASTRAL BOUNDARIES	
FUTURE CADASTRAL BOUNDARIES	
NOR	
PROPOSED RETAINING WALL	

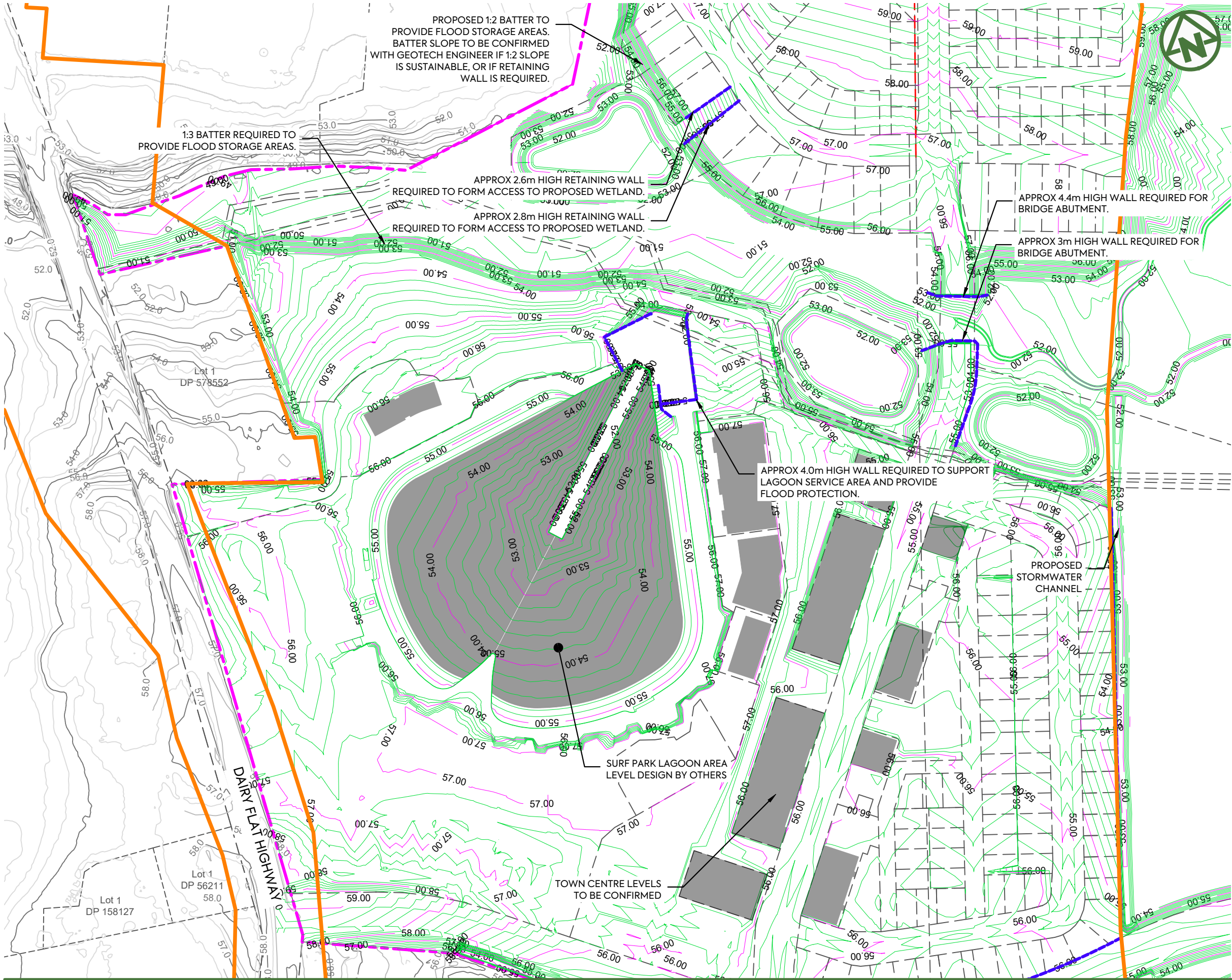
CLIENT:				PROJECT:		TITLE:		PURPOSE OF ISSUE:	
AW HOLDINGS 2021 LIMITED				AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND		EARTHWORKS FINAL CONTOUR PLAN KEY SHEET		FOR RESOURCE CONSENT	
MCKENZIE & CO.				SCALE: 1:5000 DO NOT SCALE		DRAWING NO: 3325-2-2001		REV: D	
REV DESCRIPTION				DRN BY		CHK BY		APP BY	
DATE				PK		SL		SL	
24/04/26				NS		SL		SL	
13/01/26				DK		SL		SL	
08/12/25				AL		SL		SL	
07/11/25									



- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

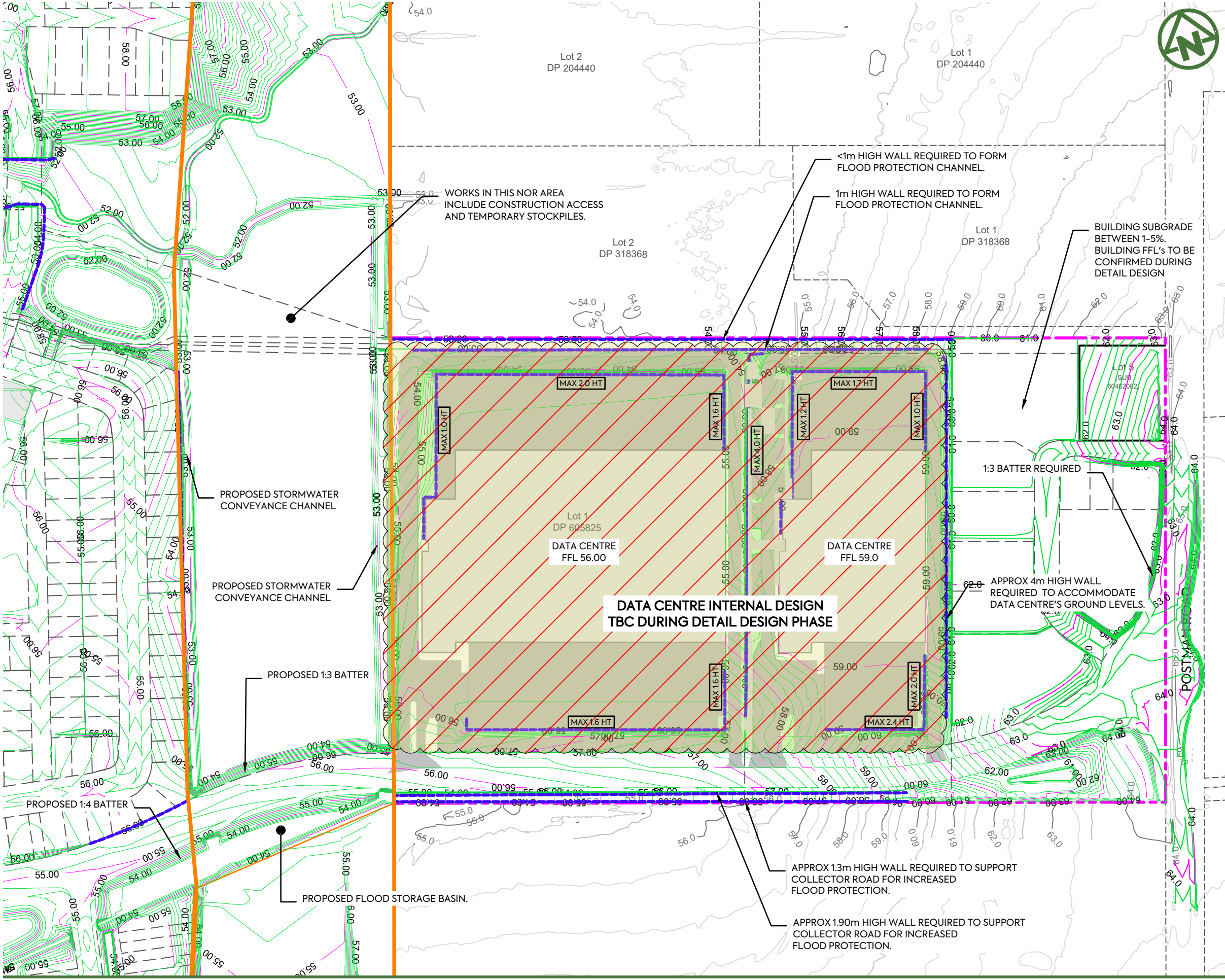
LEGEND:

SITE BOUNDARY	---
PROPOSED (1.0m) MAJOR CONTOUR	---
PROPOSED (0.2m) MINOR CONTOUR	---
EXISTING CONTOURS	---
EXISTING CADASTRAL BOUNDARIES	---
FUTURE CADASTRAL BOUNDARIES	---
NOR	---
PROPOSED RETAINING WALL	---



- NOTES:**
- TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 - ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 - NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 - UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 - ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 - EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 - EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 - THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 - THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

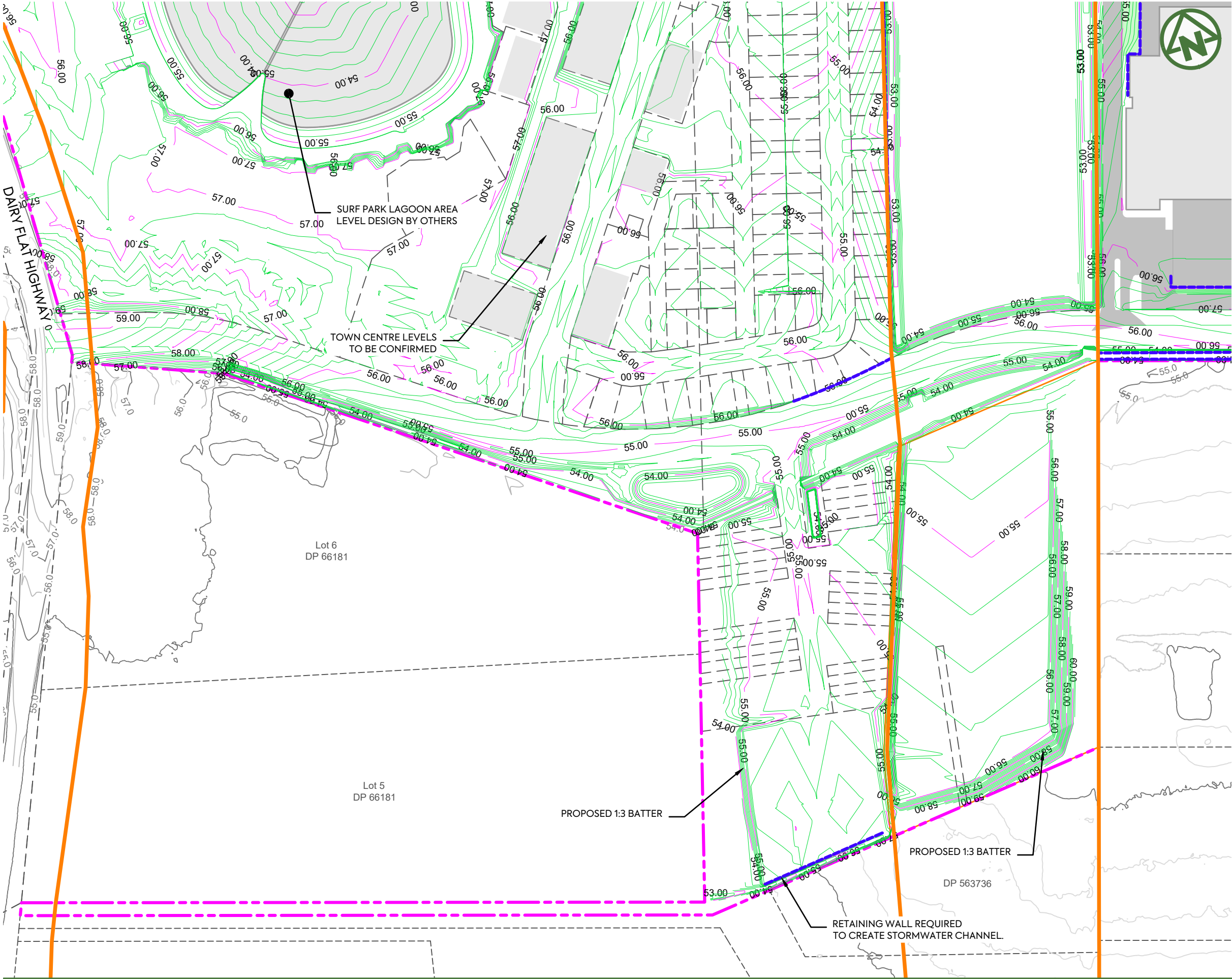
LEGEND:	
SITE BOUNDARY	
PROPOSED (1.0m) MAJOR CONTOUR	
PROPOSED (0.2m) MINOR CONTOUR	
EXISTING CONTOURS	
EXISTING CADASTRAL BOUNDARIES	
FUTURE CADASTRAL BOUNDARIES	
NOR	
PROPOSED RETAINING WALL	



- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

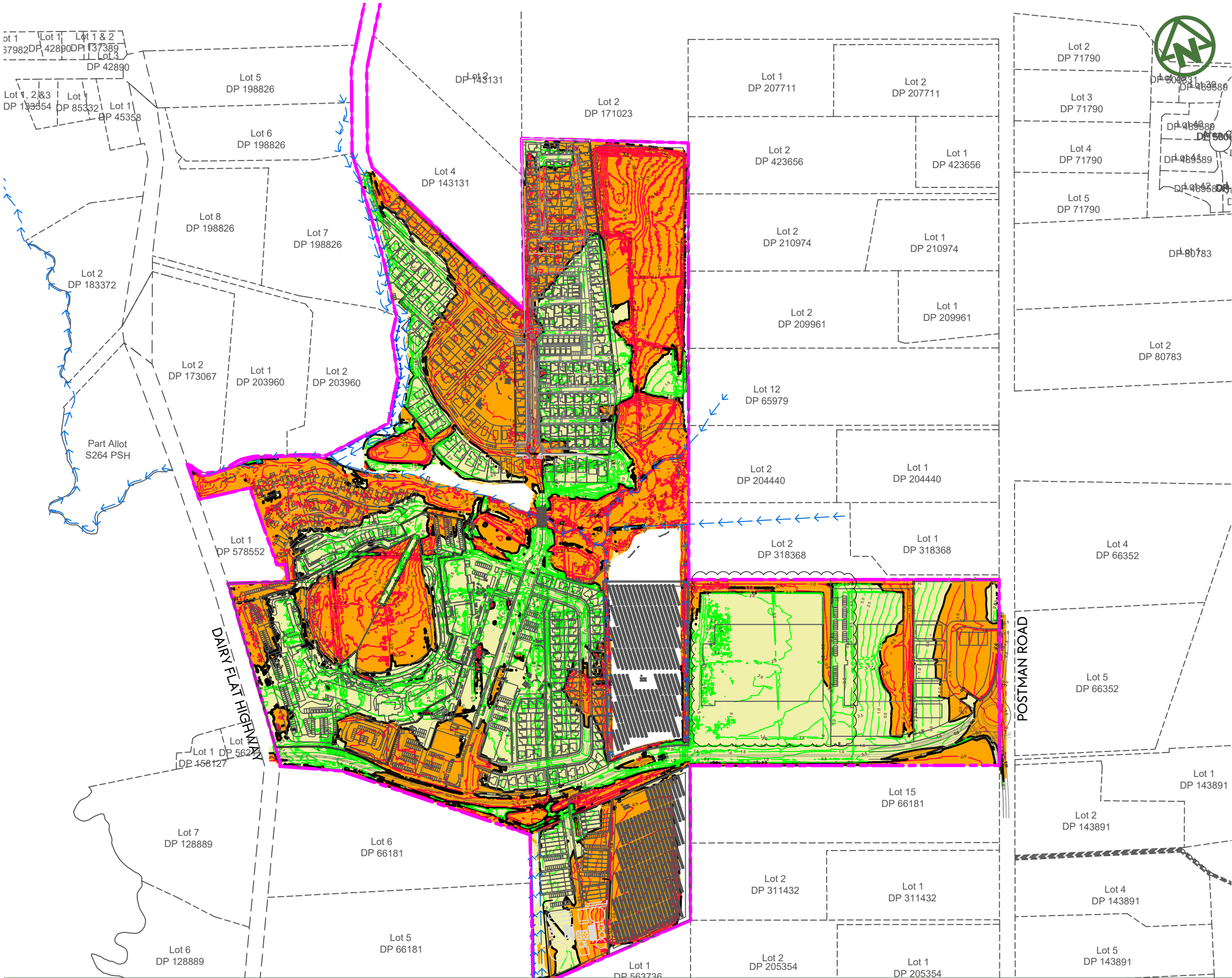
LEGEND:

SITE BOUNDARY	---
PROPOSED (1.0m) MAJOR CONTOUR	---
PROPOSED (0.2m) MINOR CONTOUR	---
EXISTING CONTOURS	---
EXISTING CADASTRAL BOUNDARIES	---
FUTURE CADASTRAL BOUNDARIES	---
NOR	---
PROPOSED RETAINING WALL	---



- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

LEGEND:	
SITE BOUNDARY	
PROPOSED (1.0m) MAJOR CONTOUR	
PROPOSED (0.2m) MINOR CONTOUR	
EXISTING CONTOURS	
EXISTING CADASTRAL BOUNDARIES	
FUTURE CADASTRAL BOUNDARIES	
NOR	
PROPOSED RETAINING WALL	



- NOTES:**
- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
 - CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED **250 mm BELOW DESIGN SURFACE** FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED **500 mm BELOW DESIGN SURFACE** FOR PUBLIC CARRIAGEWAYS.
 - TOTAL EARTHWORK VOLUMES TBC**
VOLUME OF CUT: -275,922 m³
VOLUME OF FILL: +282,546 m³
BALANCE: +6,624 m³
AREA: 504,800m²
 - NO COMPACTION, BULKING FACTORS HAVE BEEN APPLIED.
 - TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES SUBJECT TO CHANGE.

- LEGEND:**
- SITE BOUNDARY
 - EARTHWORK STAGE BOUNDARY
 - PROPOSED FILL
 - PROPOSED CUT
 - PROPOSED FILL (MAJOR CONTOUR)
 - PROPOSED CUT (MAJOR CONTOUR)
 - CUT/FILL (ZERO CONTOUR)
 - CADASTRAL BOUNDARY
 - 100yr ARI FLOOD PLAIN

REV

DESCRIPTION

DRN BY

CHK BY

APP BY

DATE

D

Updated masterplan Surf Industry

SL

SL

JK

24/04/26

C

DRAWING UPDATES

NS

SL

SL

13/01/26

B

DATA CENTRE RE-DESIGN

DK

SL

-

08/12/25

A

FIRST ISSUE

AL

SL

SL

07/11/25

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND

EARTHWORKS CUT FILL OVERALL PLAN

FOR RESOURCE CONSENT

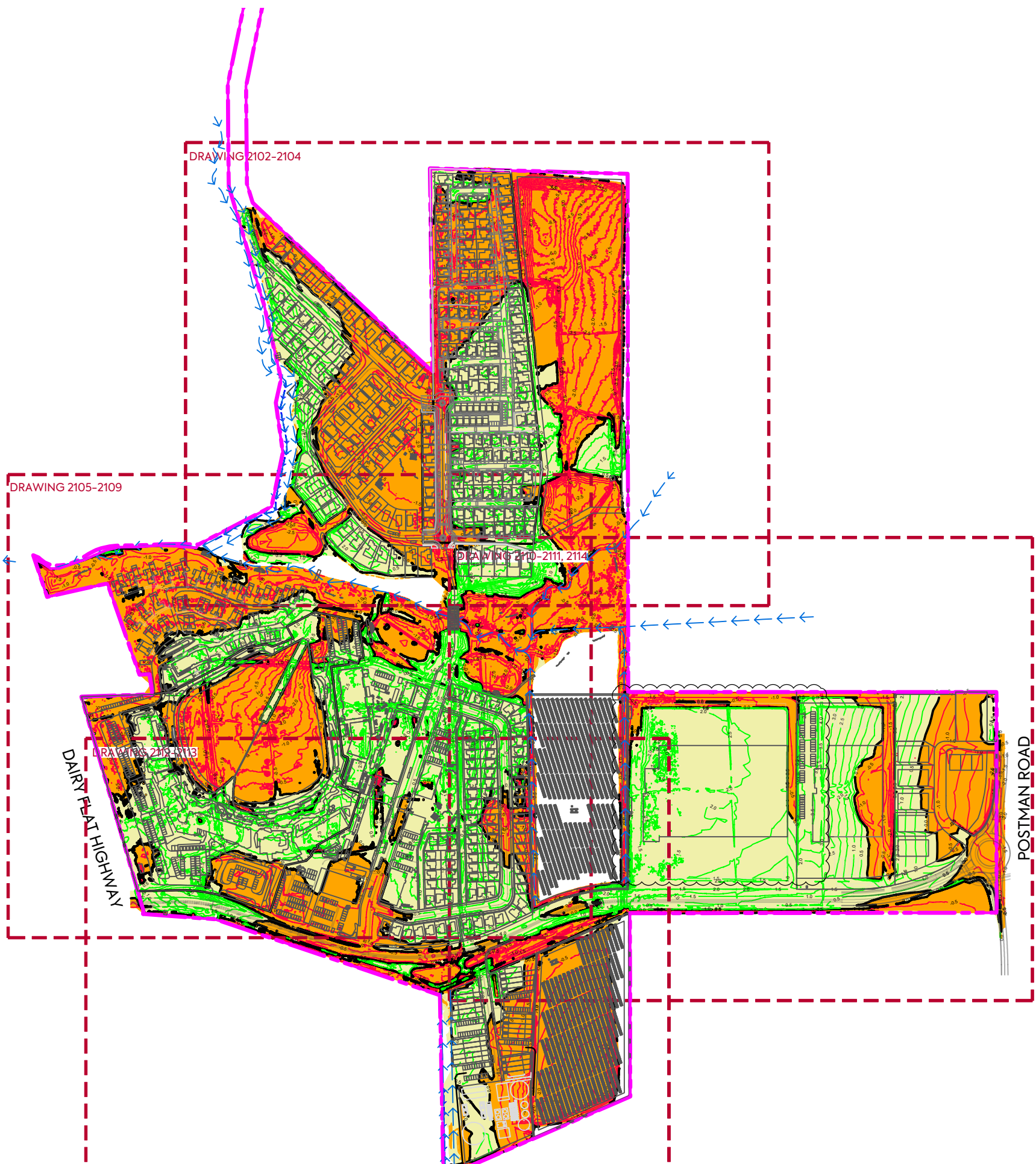
SCALE: 1:5000

DO NOT SCALE

DRAWING NO: 3325-2-2100

REV: D

MCKENZIE & CO.



D	UPDATED MASTERPLAN	SL	SL	JK	24/04/26
C	DRAWING UPDATES	NS	SL	SL	13/01/26
B	DATA CENTRE RE-DESIGN	DK	SL	-	08/12/25
A	FIRST ISSUE	AL	SL	SL	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

CLIENT:
AW HOLDINGS 2021
LIMITED

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

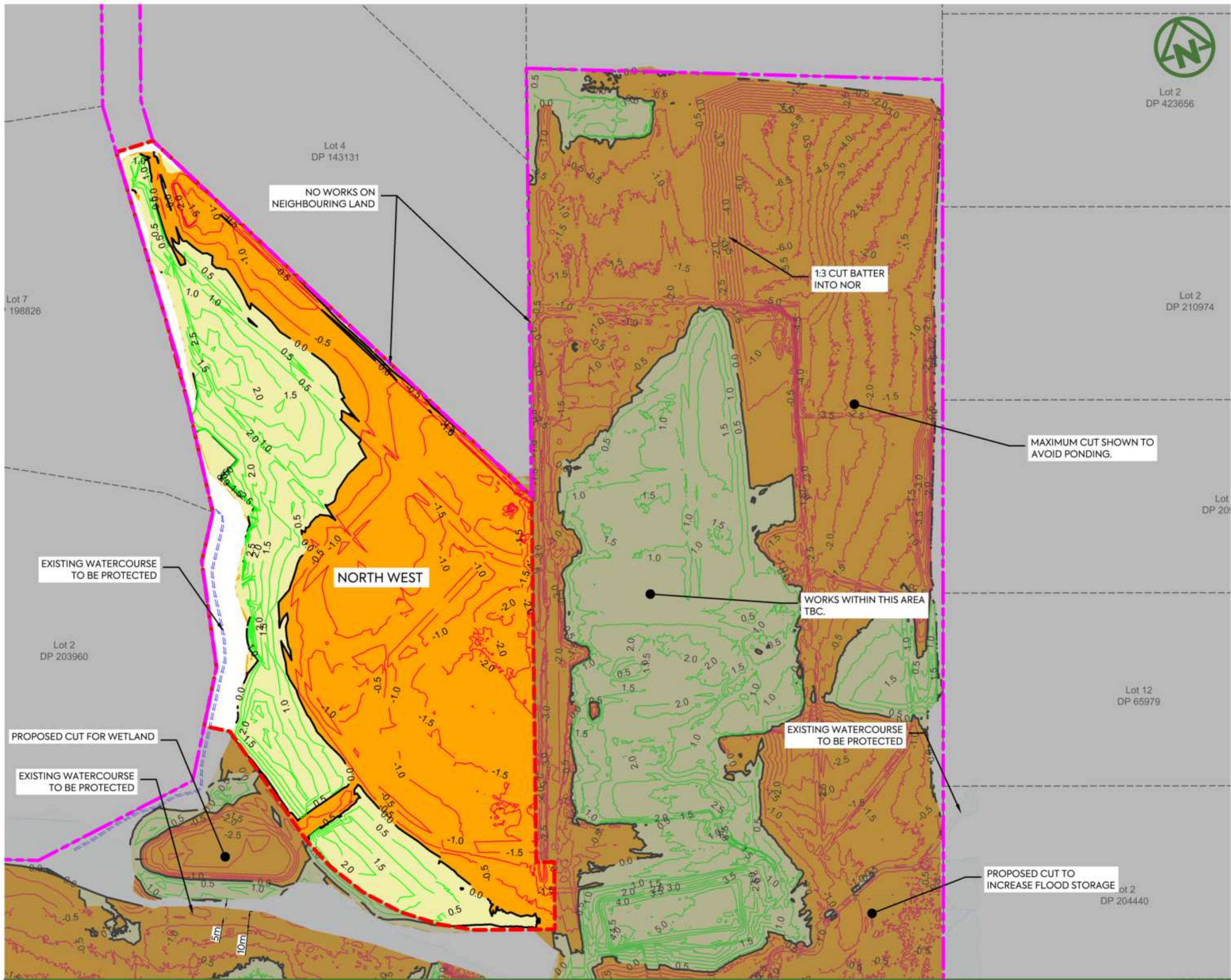
TITLE:
EARTHWORKS
CUT FILL PLAN
SHEET 1

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:5000
DO NOT SCALE

DRAWING NO:
3325-2-2101

REV:
D



NOTES:

- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
- CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED. STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERM, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
- NORTH WEST EARTHWORK VOLUMES
VOLUME OF CUT: - 25,205 m³
VOLUME OF FILL: + 22,665 m³
BALANCE: - 2,540 m³
AREA: 50,264 m²
- NO COMPACTION, BULKING FACTORS HAVE BEEN APPLIED.
- TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES SUBJECT TO CHANGE.

LEGEND:

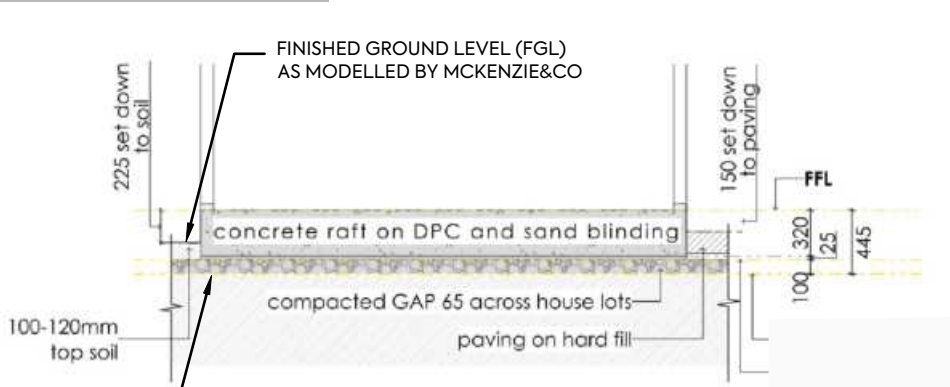
SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



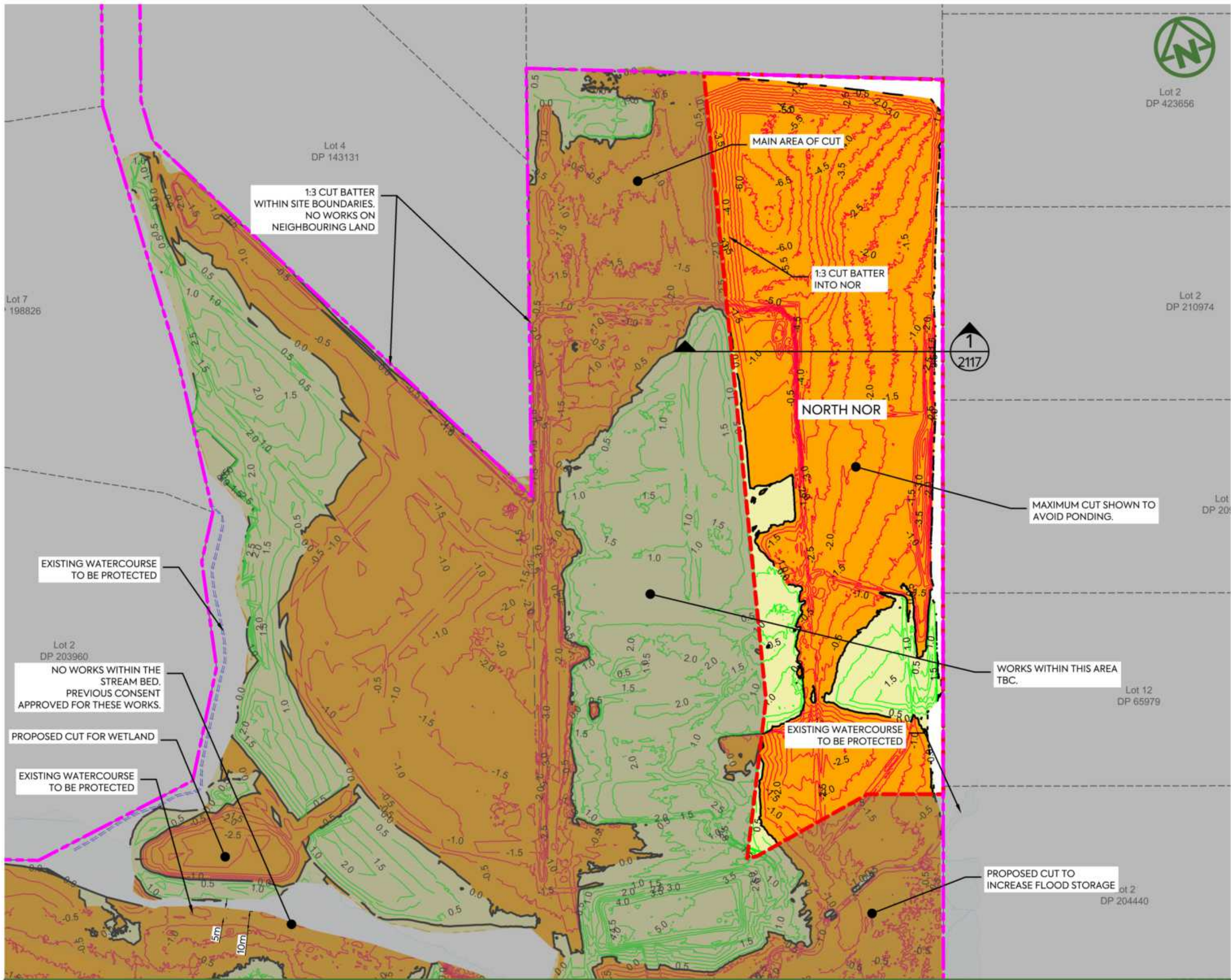
- NOTES:**
- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
 - CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED **200 mm BELOW FINISHED TOPSOIL SURFACE** FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED **500 mm BELOW DESIGN SURFACE** FOR PUBLIC CARRIAGEWAYS.
 - NORTH EAST EARTHWORK VOLUMES**
VOLUME OF CUT: - 19,729 m³
VOLUME OF FILL: + 28,818 m³
BALANCE: + 9,089 m³
AREA: 43,989 m²
 - NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
 - TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



TYPICAL RAFT SETDOWN - NOVAK + MIDDLETON DETAIL



NOTES:

- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
- CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
 - SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERM, AND FOOTPATHS.
 - SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
- NORTH NOR EARTHWORK VOLUMES**
VOLUME OF CUT: - 79,958 m³
VOLUME OF FILL: + 4,235 m³
BALANCE: - 75,723 m³
AREA: 40,873 m²
- NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
- TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	

B	DRAWINGS UPDATE	NS	SL	SL	11/01/26
A	FIRST ISSUE	AL	SL	SL	07/11/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
CUT FILL PLAN
SHEET 4

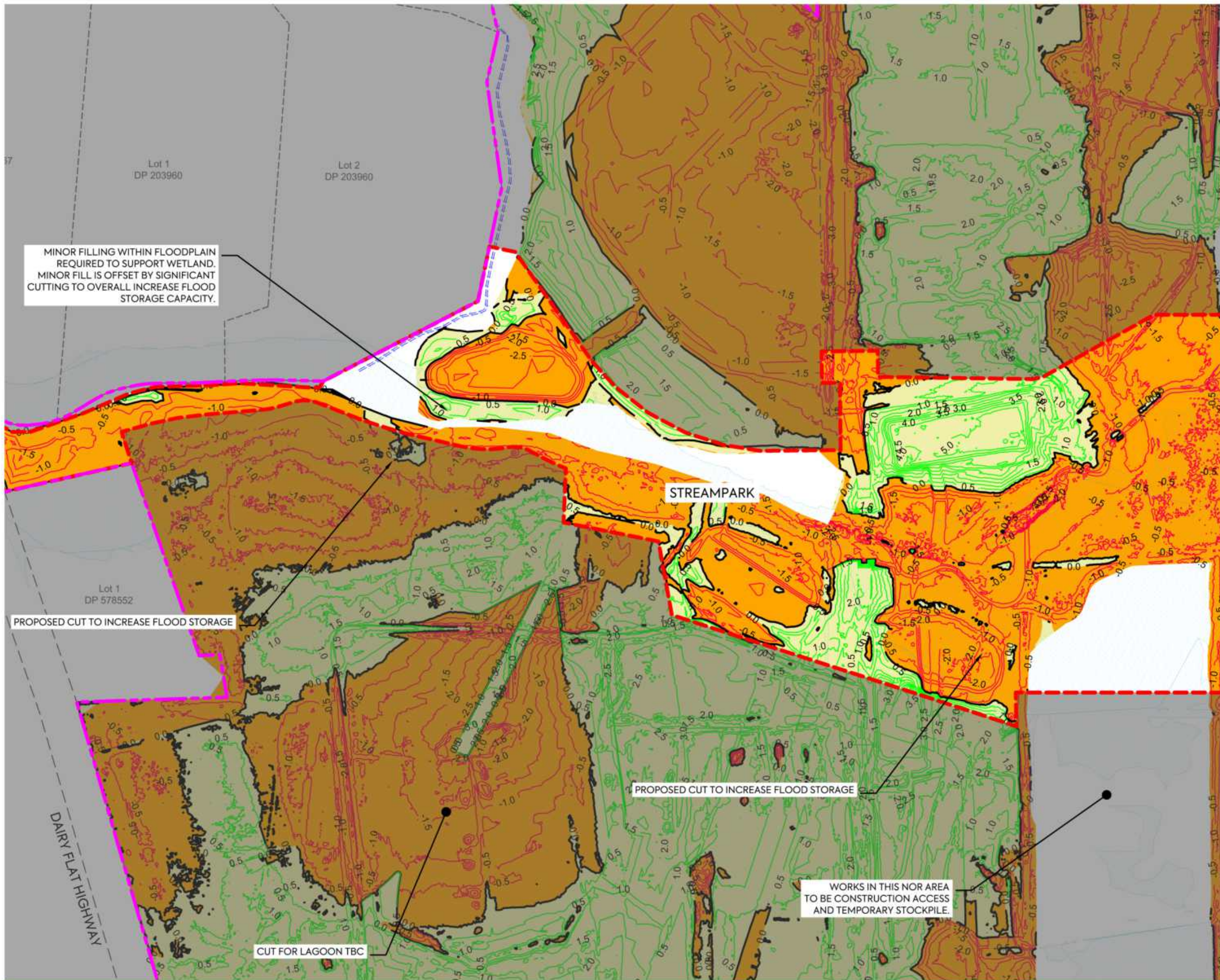
PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:
3325-2-2104

REV:
B

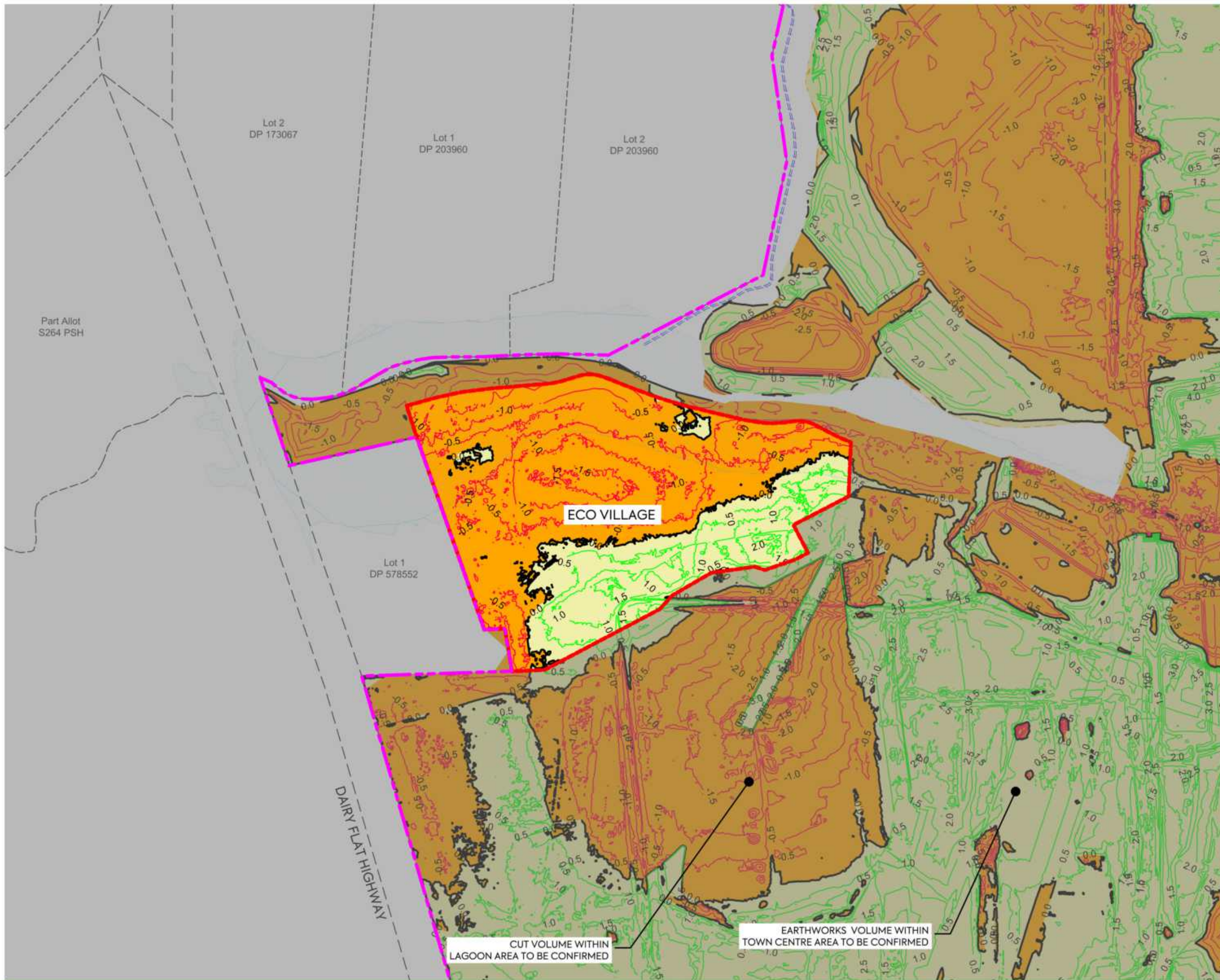


NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL), THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. TOTAL EARTHWORK VOLUMES WITHIN STREAM PARK
VOLUME OF CUT: - 28,819m³
VOLUME OF FILL: + 20,062 m³
BALANCE: - 8,757 m³
AREA: 61,078 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
6. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
 - SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
 - SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. ECO VILLAGE EARTHWORK VOLUMES
 - VOLUME OF CUT: - 9,062 m³
 - VOLUME OF FILL: + 5,102 m³
 - BALANCE: - 3,959 m³
 - AREA: 22,082 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	

CUT VOLUME WITHIN
LAGOON AREA TO BE CONFIRMED

EARTHWORKS VOLUME WITHIN
TOWN CENTRE AREA TO BE CONFIRMED



MCKENZIE & CO.

AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
CUT FILL PLAN
SHEET 6

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

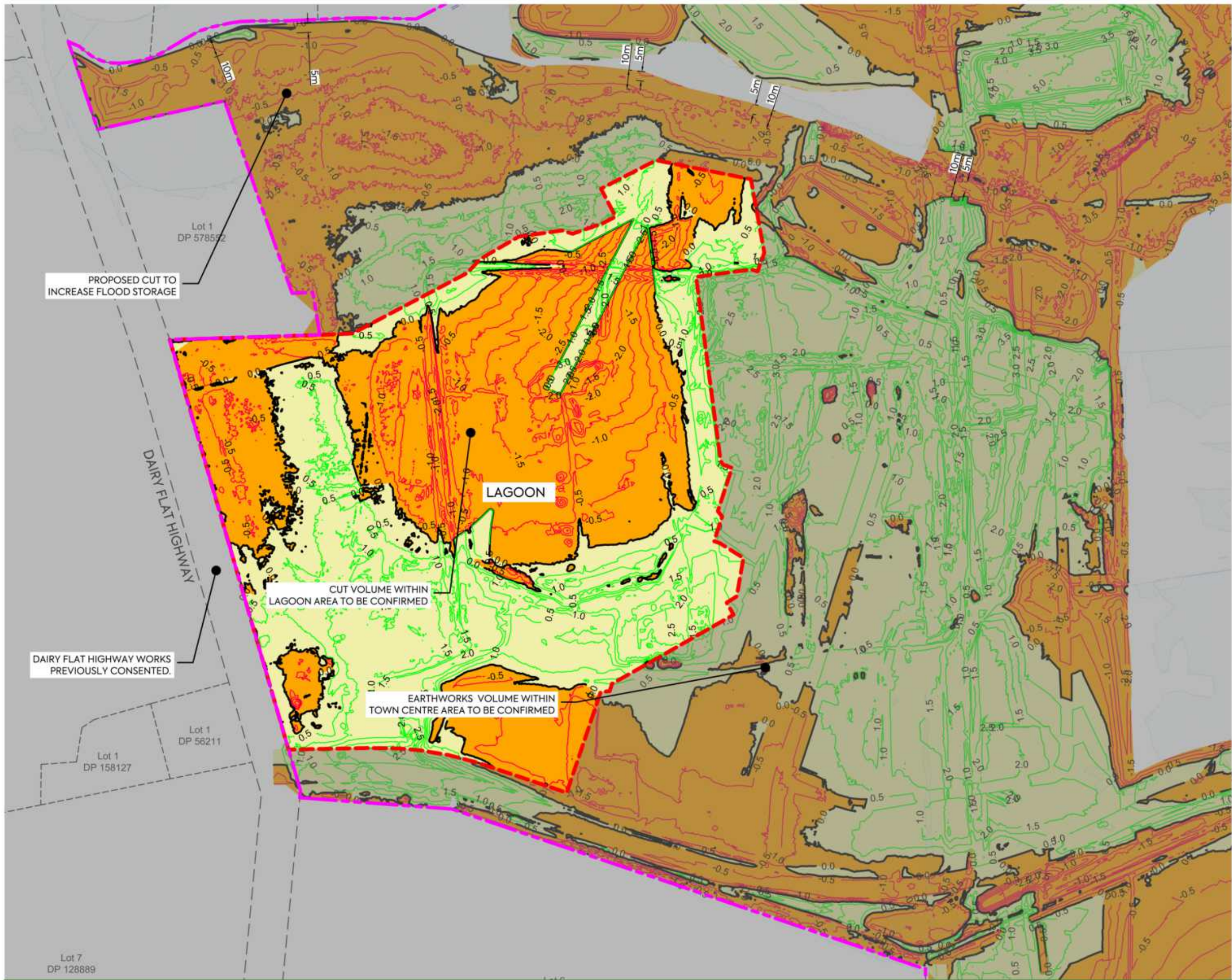
SCALE:
1:2000

DO NOT SCALE

DRAWING NO:
3325-2-2106

REV:
A

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

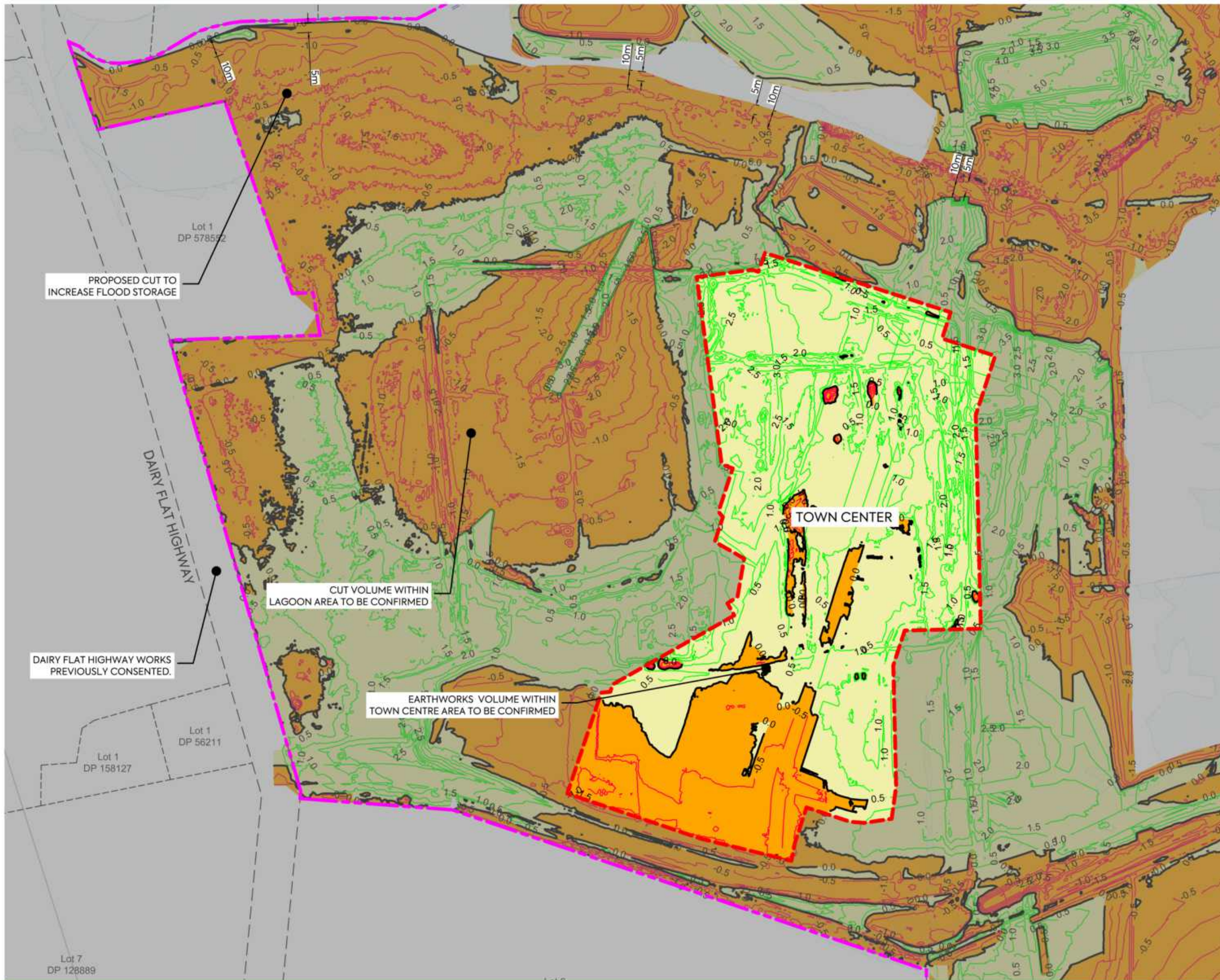


NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. LAGOON EARTHWORK VOLUMES
VOLUME OF CUT: - 26,898 m³
VOLUME OF FILL: + 26,397 m³
BALANCE: - 500 m³
AREA: 63,255 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	

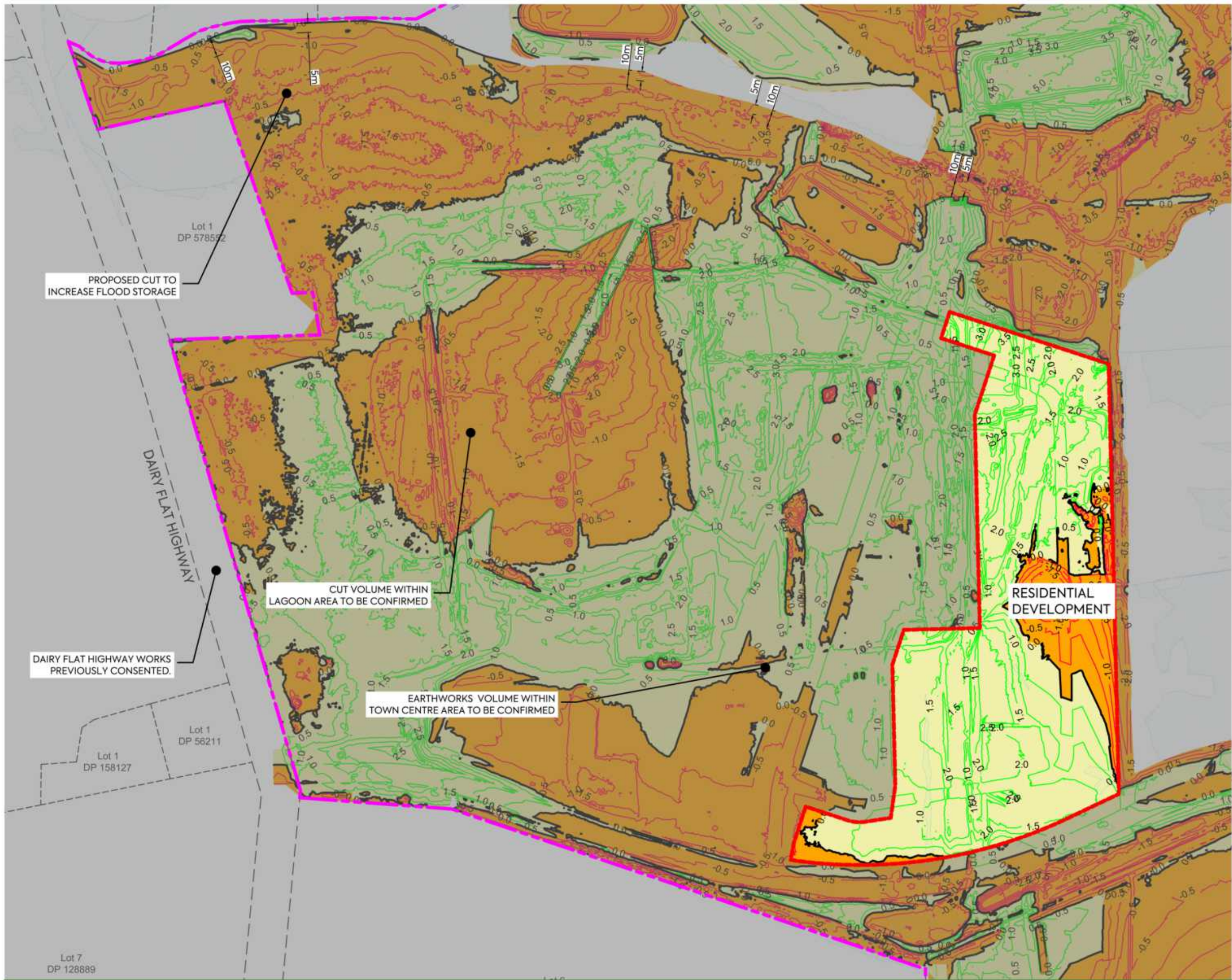


NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. TOWNCENTER EARTHWORK VOLUMES
VOLUME OF CUT: - 4,920 m³
VOLUME OF FILL: + 31,262 m³
BALANCE: + 26,342 m³
AREA: 39,703 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORKS STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE:
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. RESIDENTIAL DEVELOPMENT EARTHWORK VOLUMES
VOLUME OF CUT: - 2,641 m³
VOLUME OF FILL: + 24,031 m³
BALANCE: + 21,390 m³
AREA: 24,395 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



MCKENZIE & CO.

AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
CUT FILL PLAN
SHEET 9

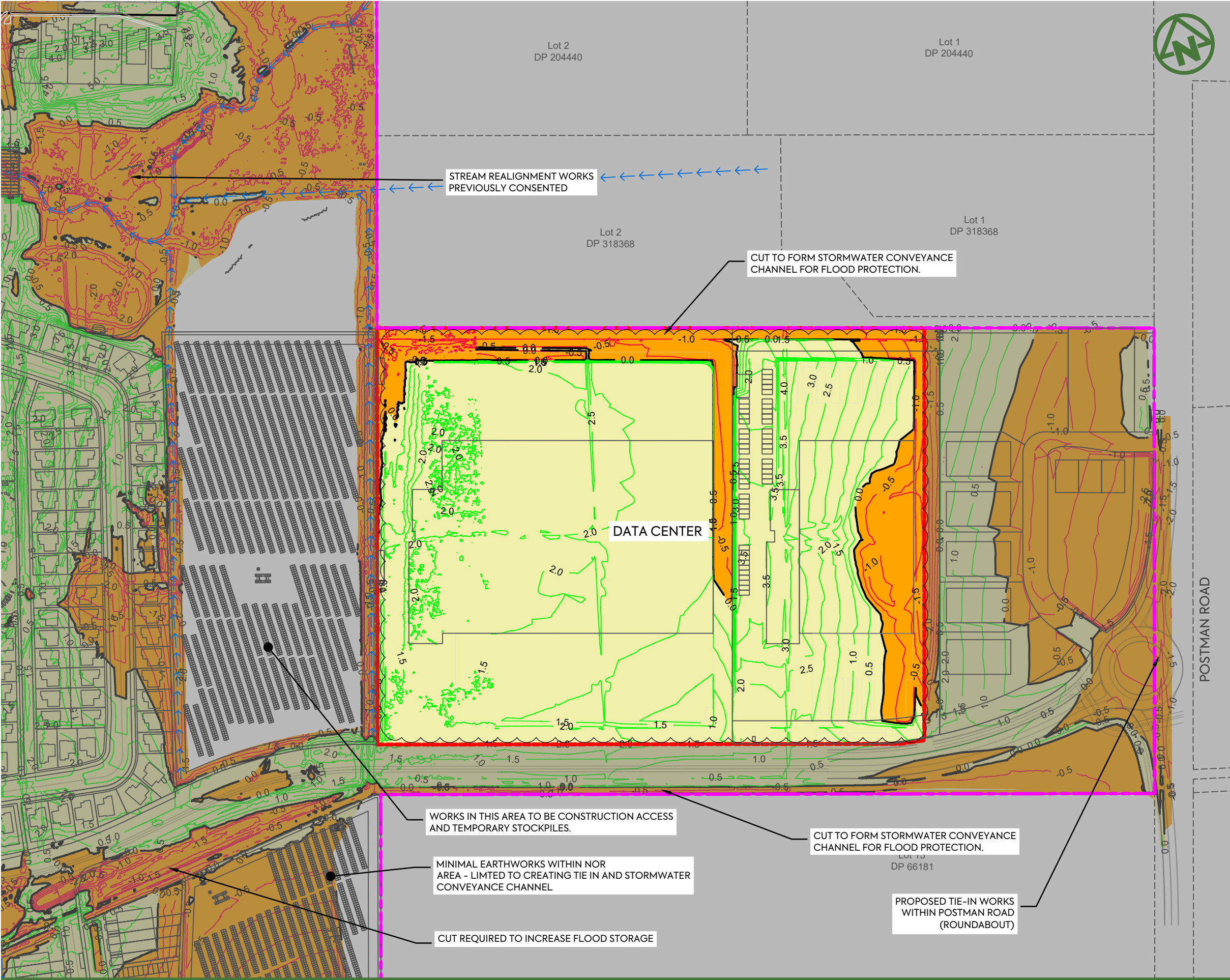
PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:2000

DO NOT SCALE

DRAWING NO:
3325-2-2109

REV:
A

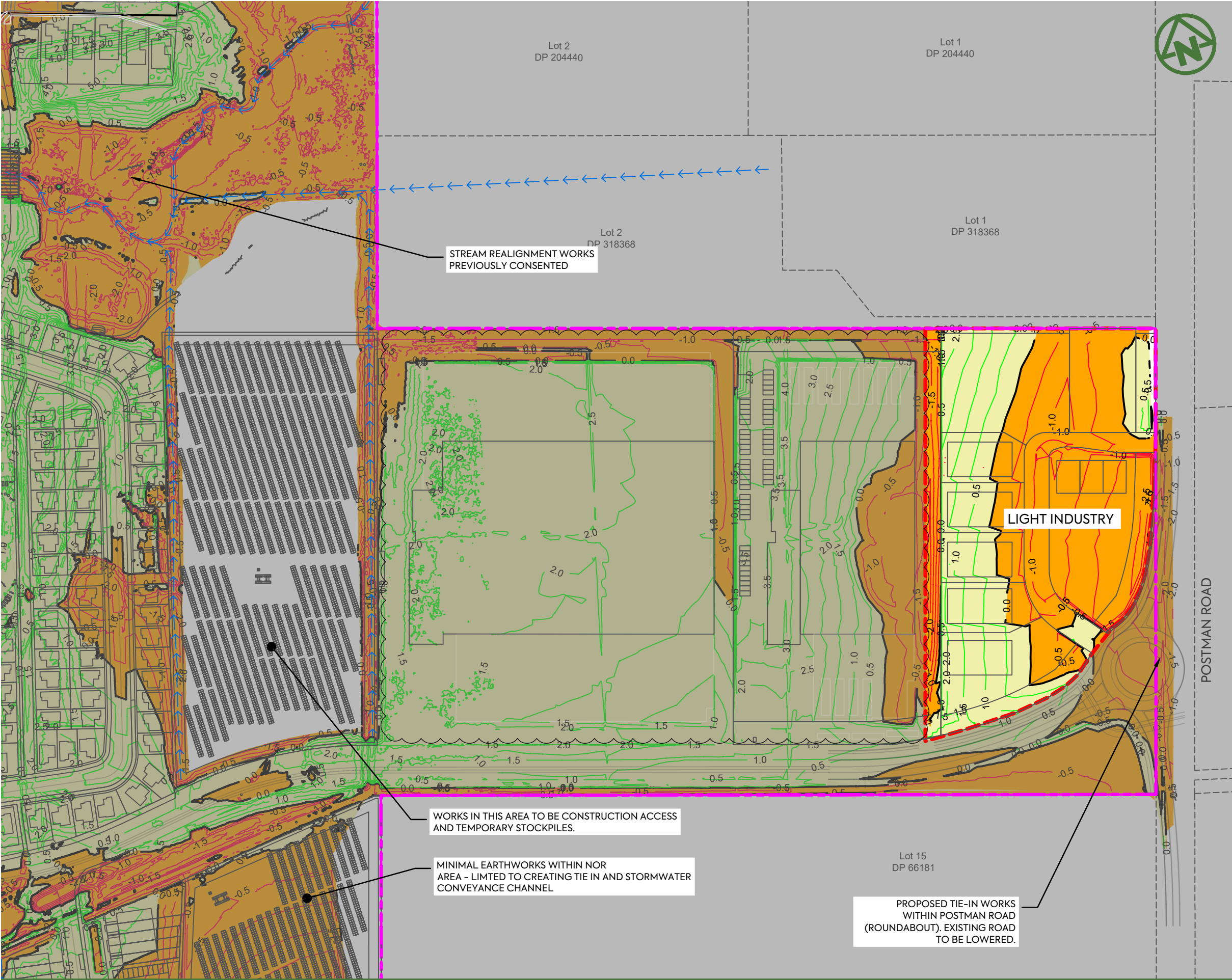


NOTES:

- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
- CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED **250 mm BELOW DESIGN SURFACE** FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED **500 mm BELOW DESIGN SURFACE** FOR PUBLIC CARRIAGEWAYS.
- DATACENTER EARTHWORK VOLUMES**
VOLUME OF CUT: - 8,000 m³
VOLUME OF FILL: + 90,500 m³
BALANCE: + 82,500 m³
AREA: 64,100 m²
- NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
- TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

- SITE BOUNDARY
- EARTHWORK STAGE BOUNDARY
- PROPOSED FILL
- PROPOSED CUT
- PROPOSED FILL (MAJOR CONTOUR)
- PROPOSED CUT (MAJOR CONTOUR)
- CUT/FILL (ZERO CONTOUR)
- CADASTRAL BOUNDARY
- 100yr ARI FLOOD PLAIN

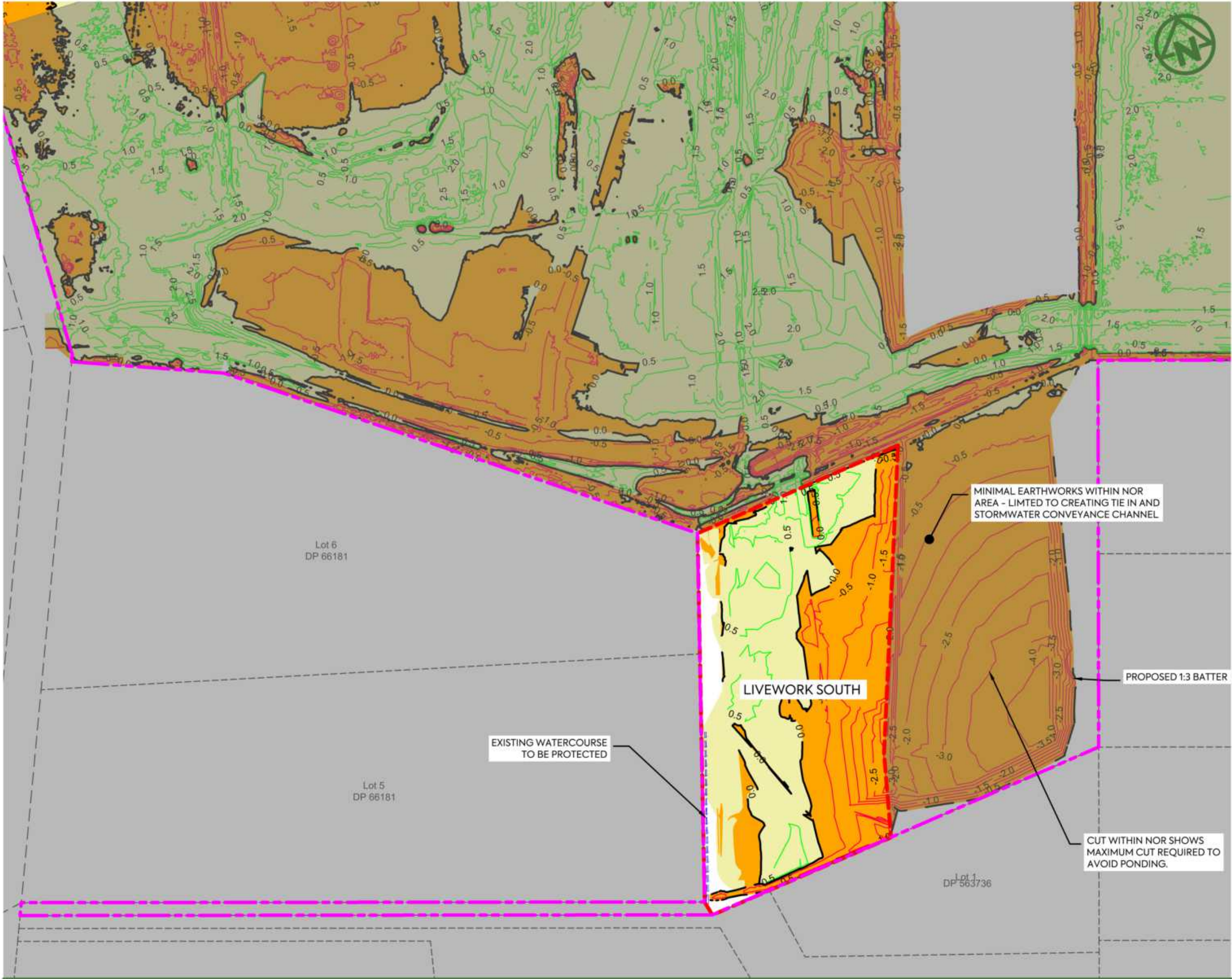


NOTES:

- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
- CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED **250 mm BELOW DESIGN SURFACE** FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED **500 mm BELOW DESIGN SURFACE** FOR PUBLIC CARRIAGEWAYS.
- LIGHT INDUSTRY EARTHWORK VOLUMES**
VOLUME OF CUT: - 5,681 m³
VOLUME OF FILL: + 8,453 m³
BALANCE: + 2,772 m³
AREA: 21,901 m²
- NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
- TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

- SITE BOUNDARY
- EARTHWORK STAGE BOUNDARY
- PROPOSED FILL
- PROPOSED CUT
- PROPOSED FILL (MAJOR CONTOUR)
- PROPOSED CUT (MAJOR CONTOUR)
- CUT/FILL (ZERO CONTOUR)
- CADASTRAL BOUNDARY
- 100yr ARI FLOOD PLAIN



NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. LIVEWORK SOUTH EARTHWORK VOLUMES
VOLUME OF CUT: - 5,514 m³
VOLUME OF FILL: + 5,997 m³
BALANCE: + 483 m³
AREA: 19,865 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	

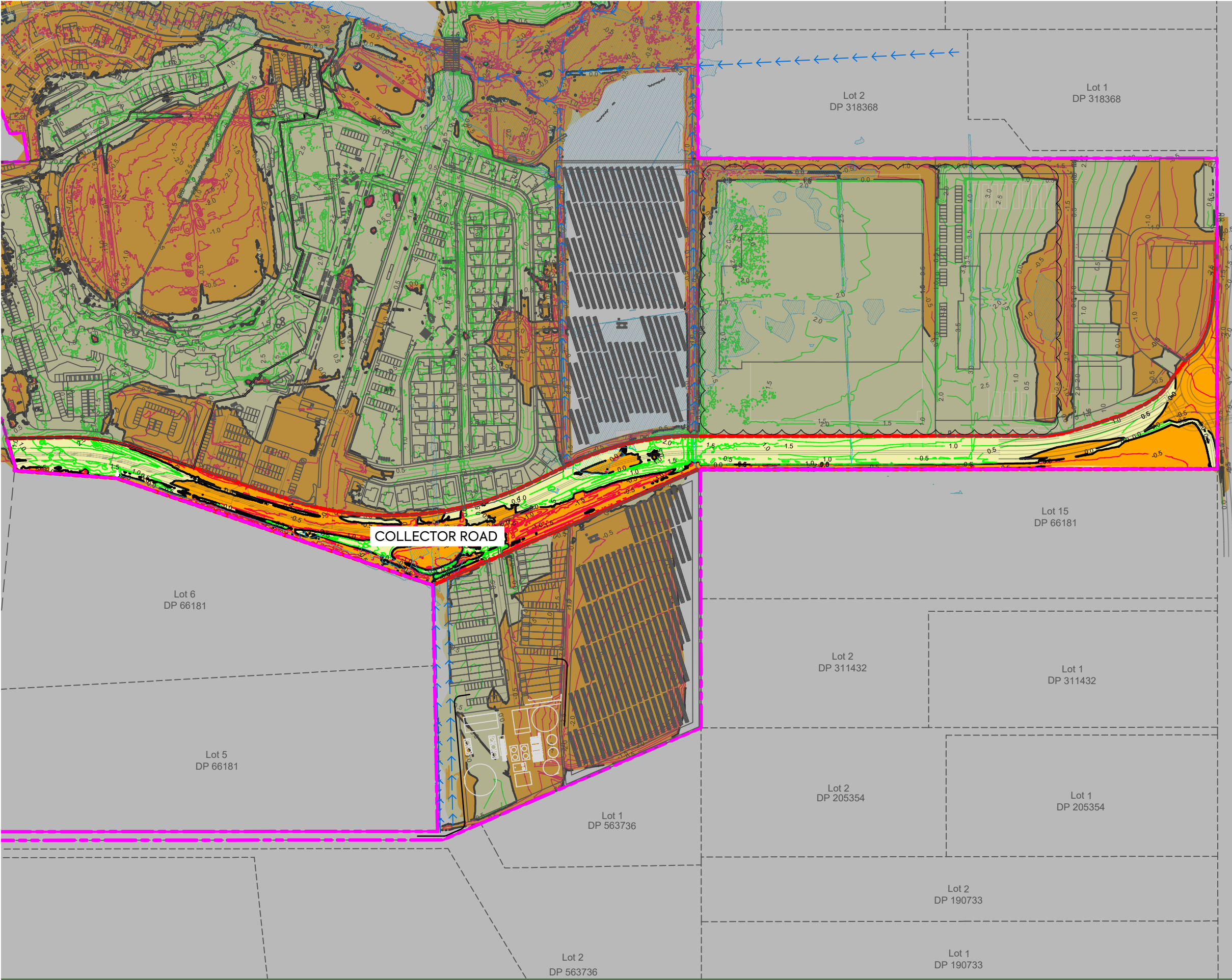


NOTES:

1. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
2. CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED 250 mm BELOW DESIGN SURFACE FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED 500 mm BELOW DESIGN SURFACE FOR PUBLIC CARRIAGEWAYS.
3. SOUTH NOR EARTHWORK VOLUMES
VOLUME OF CUT: - 31,135 m³
VOLUME OF FILL: + 250 m³
BALANCE: - 30,884 m³
AREA: 21,939 m²
4. NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
5. TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

SITE BOUNDARY	
EARTHWORK STAGE BOUNDARY	
PROPOSED FILL	
PROPOSED CUT	
PROPOSED FILL (MAJOR CONTOUR)	
PROPOSED CUT (MAJOR CONTOUR)	
CUT/FILL (ZERO CONTOUR)	
CADASTRAL BOUNDARY	
100yr ARI FLOOD PLAIN	



NOTES:

- ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL). THE CONTOUR INTERVAL IS: 0.50m
- CUT / FILL BETWEEN AS-BUILT SURFACE (SURVEYED BY MCCL IN JUNE 2025) AND ASSUMED TOPSOIL STRIPPING FOR AREAS NOT PREVIOUSLY WORKED, STAGE 2 SUBGRADE SURFACE.
- SUBGRADE LEVEL ASSUMED **250 mm BELOW DESIGN SURFACE** FOR LOTS, ROAD BERMS, AND FOOTPATHS.
- SUBGRADE LEVEL ASSUMED **500 mm BELOW DESIGN SURFACE** FOR PUBLIC CARRIAGEWAYS.
- COLLECTOR ROAD EARTHWORK VOLUMES**
VOLUME OF CUT: - 6,653 m³
VOLUME OF FILL: + 19,056 m³
BALANCE: + 12,403 m³
AREA: 34,130 m²
- NO COMPACTION, BULKING, TOPSOIL STRIPPING FACTORS HAVE BEEN APPLIED.
- TOPSOIL STRIPPING DEPTHS TBC AND VOLUMES ARE SUBJECT TO CHANGE.

LEGEND:

- SITE BOUNDARY
- EARTHWORK STAGE BOUNDARY
- PROPOSED FILL
- PROPOSED CUT
- PROPOSED FILL (MAJOR CONTOUR)
- PROPOSED CUT (MAJOR CONTOUR)
- CUT/FILL (ZERO CONTOUR)
- CADASTRAL BOUNDARY
- 100yr ARI FLOOD PLAIN

REV

DESCRIPTION

DRN BY

CHK BY

APP BY

DATE

c

UPDATED MASTERPLAN

SL

SL

SL

24/04/26

B

DATA CENTRE RE-DESIGN

DK

SL

-

08/12/25

A

FIRST ISSUE

AL

SL

SL

07/11/25

AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
CUT FILL PLAN
SHEET 14

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
1:3000
DO NOT SCALE

DRAWING NO:
3325-2-2114

REV:
C



SITE BOUNDARY

EXISTING FENCE TO BE REMOVED
(EXCEPT PRTIMETER FENCING)

EXISTING VEGETATION

EXISTING VEGETATION TO BE
REMOVED

CONSTRUCTED POND
TO BE REMOVED

EXISTING VEGETATION TREE

EXISTING VEGETATION TREE TO BE
REMOVED

EXISTING BUILDING TO BE
REMOVED

EXISTING CULVERT

EXISTING TROUGH TO BE
REMOVED

EXISTING POWERPOLE



AW HOLDINGS 2021
LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

SITE CLEARING PLAN OVERALL PLAN

FOR RESOURCE CONSENT

SCALE:
1:5000
DO NOT SCALE

DRAWING NO:

3325-2-2200

REV:

A



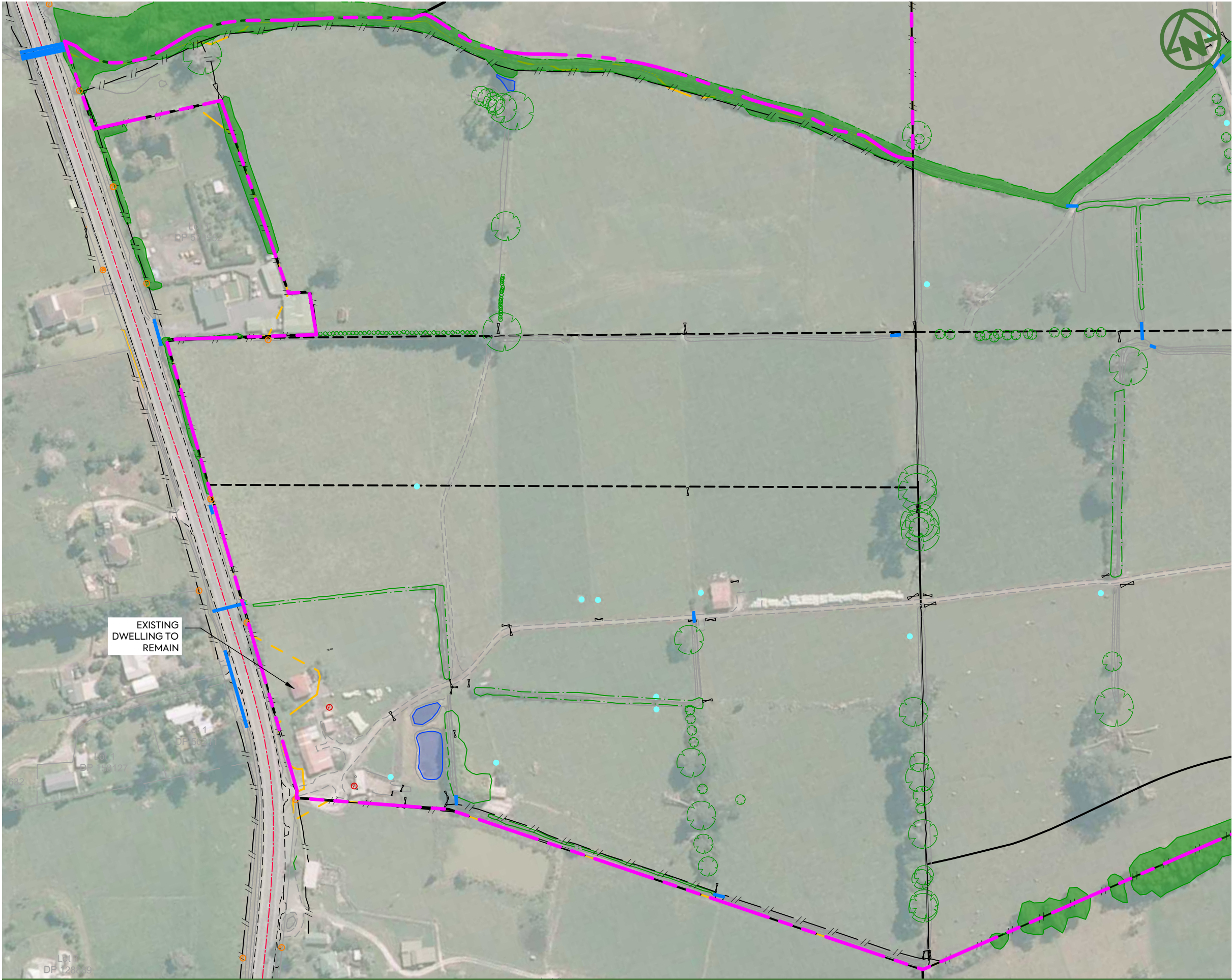
MCKENZIE & CO.

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



LEGEND:

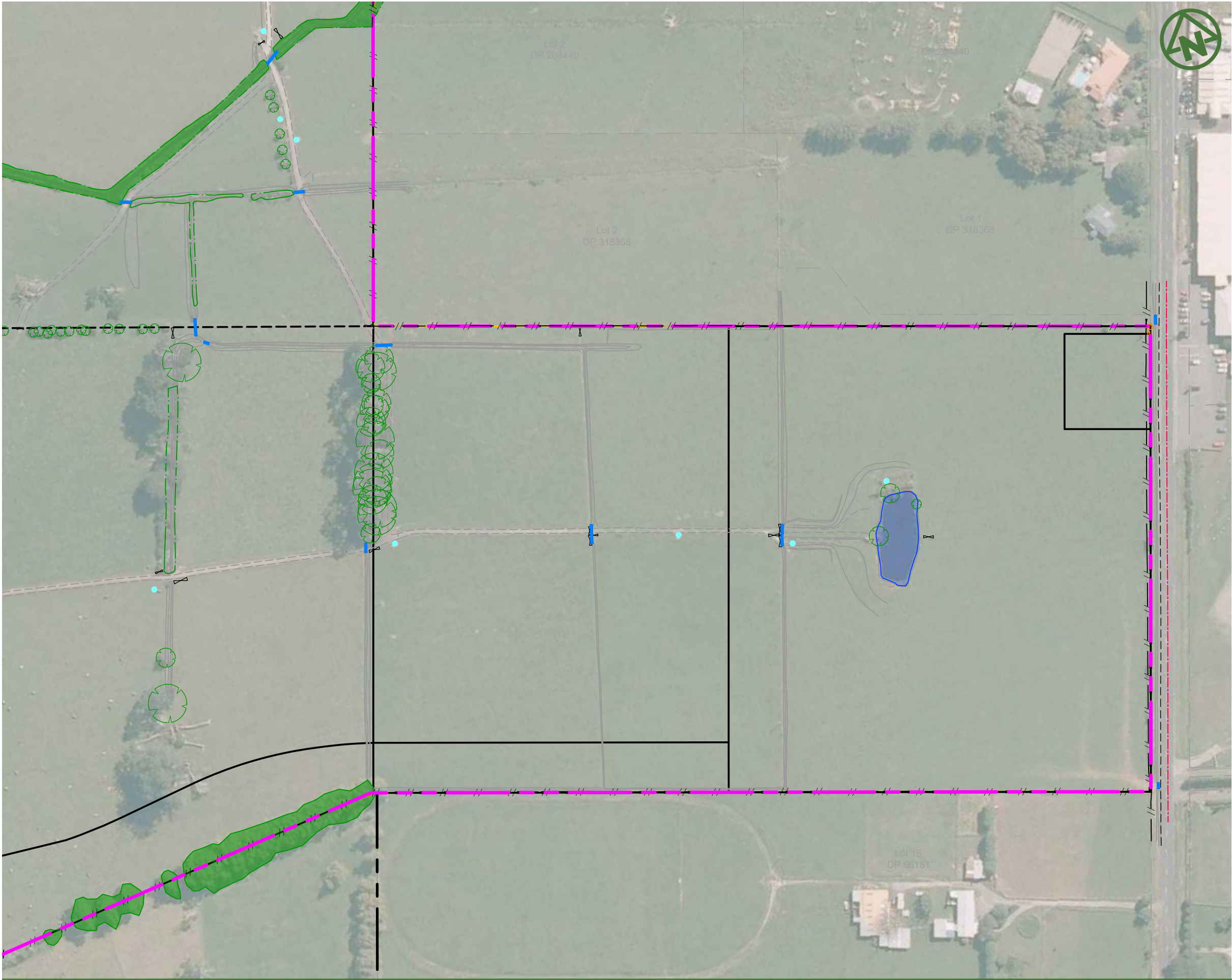
- SITE BOUNDARY
- EXISTING FENCE TO BE REMOVED (EXCEPT PRTIMETER FENCING)
- EXISTING VEGETATION
- EXISTING VEGETATION TO BE REMOVED
- CONSTRUCTED POND TO BE REMOVED
- EXISTING VEGETATION TREE
- EXISTING VEGETATION TREE TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- EXISTING CULVERT
- EXISTING TROUGH TO BE REMOVED
- EXISTING POWERPOLE



LEGEND:

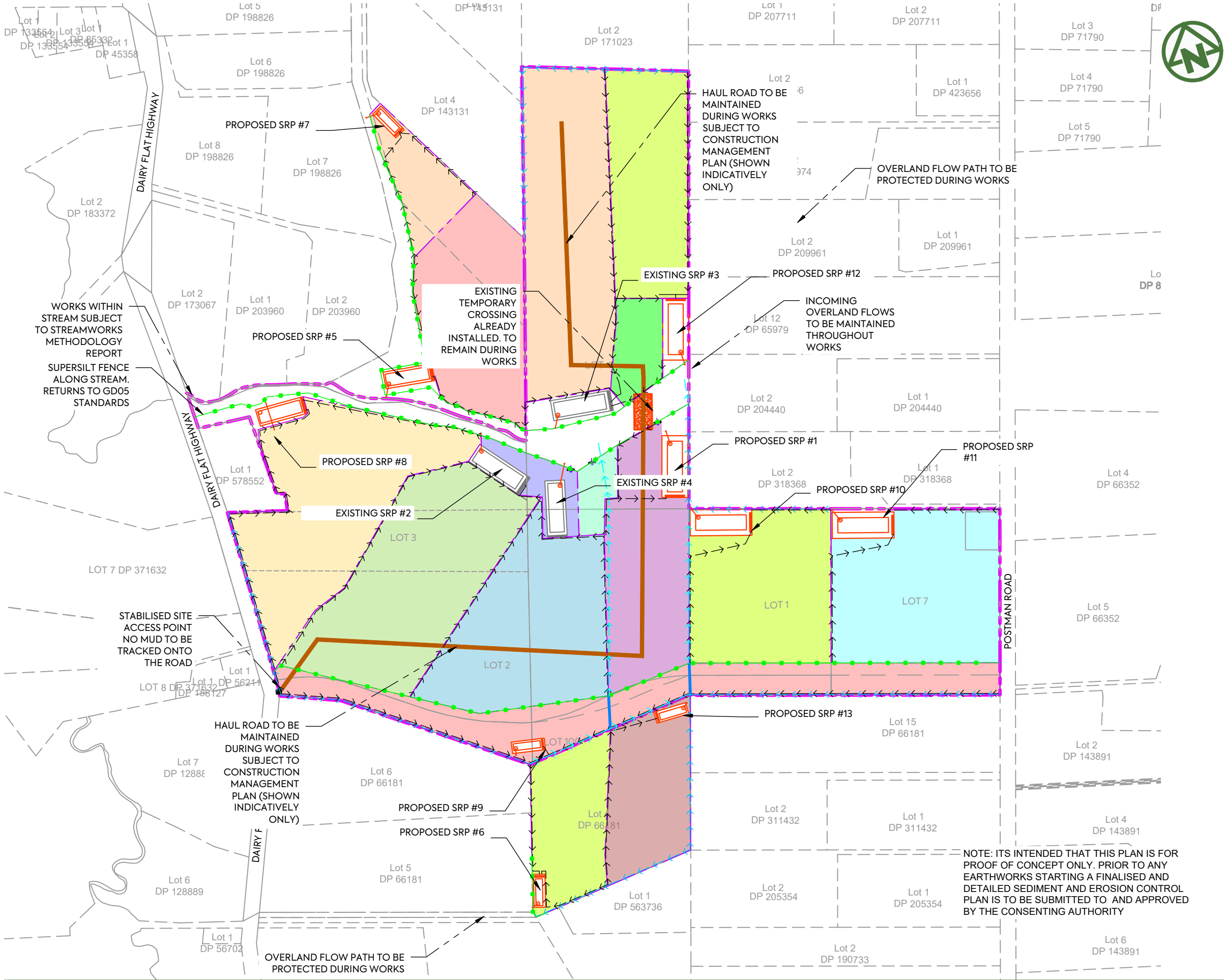
- SITE BOUNDARY
- EXISTING FENCE TO BE REMOVED (EXCEPT PERIMETER FENCING)
- EXISTING VEGETATION
- EXISTING VEGETATION TO BE REMOVED
- CONSTRUCTED POND TO BE REMOVED
- EXISTING VEGETATION TREE
- EXISTING VEGETATION TREE TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- EXISTING CULVERT
- EXISTING TROUGH TO BE REMOVED
- EXISTING POWERPOLE

EXISTING DWELLING TO REMAIN



LEGEND:

- SITE BOUNDARY
- EXISTING FENCE TO BE REMOVED (EXCEPT PRTIMETER FENCING)
- EXISTING VEGETATION
- EXISTING VEGETATION TO BE REMOVED
- CONSTRUCTED POND TO BE REMOVED
- EXISTING VEGETATION TREE
- EXISTING VEGETATION TREE TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- EXISTING CULVERT
- EXISTING TROUGH TO BE REMOVED
- EXISTING POWERPOLE



NOTES:

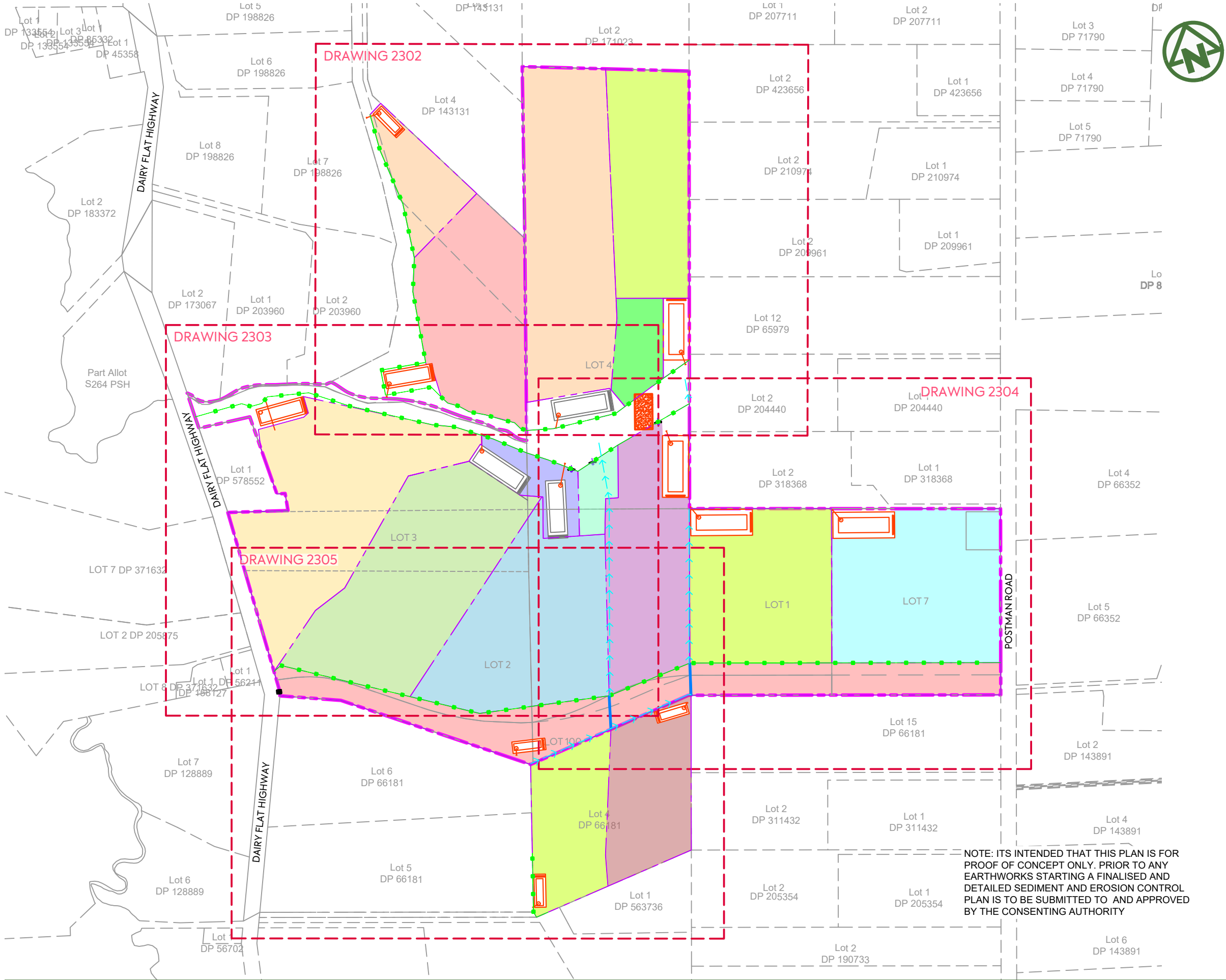
1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AUCKLAND COUNCIL GD005.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORKS COMMENCING ON SITE. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY SEDIMENT CONTROL MEETING ONSITE WITH THE ENGINEER AND COUNCIL REPRESENTATIVE.
4. A COPY OF THE SEDIMENT CONTROL PLAN SHALL BE AVAILABLE ON SITE DURING WORK HOURS. ALL PERSONNEL INVOLVED IN EARTHWORK ACTIVITIES ON THE SITE (INCLUSIVE OF SUB-CONTRACTORS) SHALL BE FAMILIAR WITH THE PLANS REQUIREMENTS.
5. ALL "CLEAN WATER" RUNOFF FROM STABILIZED SURFACES INCLUDING CATCHMENT AREAS ABOVE THE SITE SHALL BE DIVERTED AWAY FROM THE EARTHWORK AREAS VIA A STABILIZED SYSTEM TO PREVENT EROSION.
6. THE MAIN SILT CONTROL MEASURES FOR THIS SITE ARE:
 - a. REMOVAL OF SEDIMENT FROM SILT LADEN WATERS USING SUPER SILT FENCES AS SHOWN;
 - b. STABILISATION OF THE SITE AGAINST EROSION AS SOON AS PRACTICABLE AND IN A PROGRESSIVE MANNER AS EARTHWORKS ARE FINISHED OVER VARIOUS AREAS OF THE SITE;
 - c. NEW CESSPITS MUST BE PROTECTED TO PREVENT SILT LADEN RUNOFF ENTERING THE NEW STORMWATER LINES; AND
 - d. MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES AS REQUIRED.
7. FURTHER SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER AS THE PROJECT ADVANCES. THESE WILL BE INSTALLED AS AND WHERE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SITE HAS EFFECTIVE MEASURES OPERATING AT ALL TIMES.

LEGEND:

SITE BOUNDARY	
SUPER SILT FENCE	
STABILISED ENTRANCEWAY	
EXISTING CONTOURS (1m INCREMENT)	
DIRTY WATER BUND	
CLEAN WATER BUND	
SEDIMENT RETENTION POND (SRP)	
EXISTING SEDIMENT RETENTION POND (SRP) TO BE REUSED	
EXISTING OLFP	
CATCHMENT BOUNDARY	
SUB CATCHMENT BOUNDARY	
FLOW DIRECTION	
HAUL ROAD	

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY

CLIENT: AW HOLDINGS 2021 LIMITED				PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND				TITLE: EARTHWORKS SEDIMENT CONTROL PLAN OVERVIEW				PURPOSE OF ISSUE: FOR RESOURCE CONSENT			
REV: B				SCALE: 1:5000 @ A3				DO NOT SCALE				DRAWING NO: 3325-2-2301			
DESCRIPTION: B				REV: 1				REV: 2				REV: 3			



NOTES:

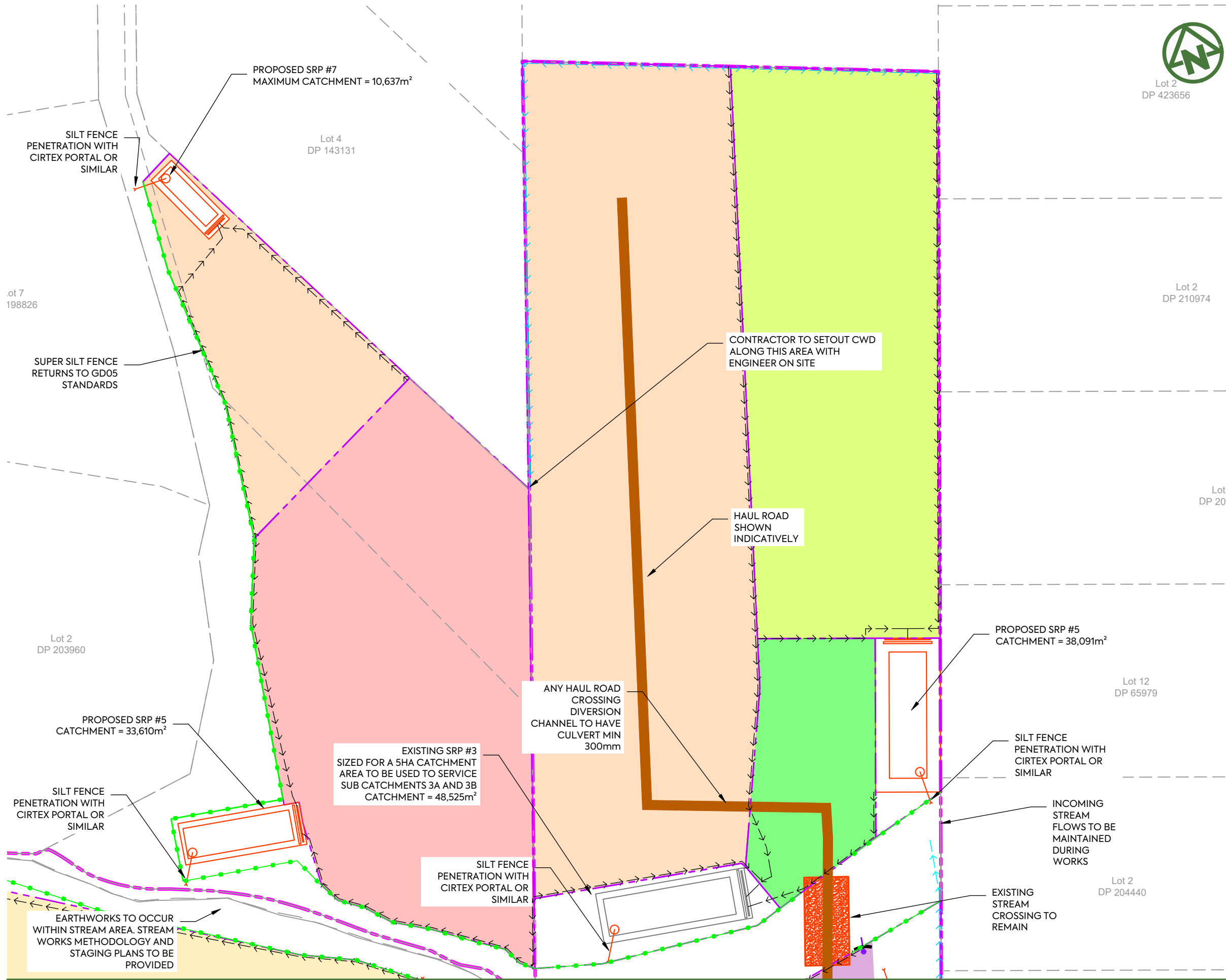
1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AUCKLAND COUNCIL GD005.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORKS COMMENCING ON SITE. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY SEDIMENT CONTROL MEETING ONSITE WITH THE ENGINEER AND COUNCIL REPRESENTATIVE. A COPY OF THE SEDIMENT CONTROL PLAN SHALL BE AVAILABLE ON SITE DURING WORK HOURS. ALL PERSONNEL INVOLVED IN EARTHWORK ACTIVITIES ON THE SITE (INCLUSIVE OF SUB-CONTRACTORS) SHALL BE FAMILIAR WITH THE PLANS REQUIREMENTS.
4. ALL "CLEAN WATER" RUNOFF FROM STABILIZED SURFACES INCLUDING CATCHMENT AREAS ABOVE THE SITE SHALL BE DIVERTED AWAY FROM THE EARTHWORK AREAS VIA A STABILIZED SYSTEM TO PREVENT EROSION.
5. THE MAIN SILT CONTROL MEASURES FOR THIS SITE ARE:
 - a. REMOVAL OF SEDIMENT FROM SILT LADEN WATERS USING SUPER SILT FENCES AS SHOWN;
 - b. STABILISATION OF THE SITE AGAINST EROSION AS SOON AS PRACTICABLE AND IN A PROGRESSIVE MANNER AS EARTHWORKS ARE FINISHED OVER VARIOUS AREAS OF THE SITE;
 - c. NEW CESSPITS MUST BE PROTECTED TO PREVENT SILT LADEN RUNOFF ENTERING THE NEW STORMWATER LINES; AND
 - d. MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES AS REQUIRED.
7. FURTHER SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER AS THE PROJECT ADVANCES. THESE WILL BE INSTALLED AS AND WHERE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SITE HAS EFFECTIVE MEASURES OPERATING AT ALL TIMES.

LEGEND:

SITE BOUNDARY	
SUPER SILT FENCE	
STABILISED ENTRANCE	
EXISTING CONTOURS (1m INCREMENT)	
SEDIMENT RETENTION POND (SRP)	
EXISTING SEDIMENT RETENTION POND (SPR) TO BE REUSED	
CATCHMENT BOUNDARY	
SUB CATCHMENT BOUNDARY	
CATCHMENT HATCH	

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY

MCKENZIE & CO.						CLIENT: AW HOLDINGS 2021 LIMITED	PROJECT: AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND	TITLE: EARTHWORKS SEDIMENT CONTROL PLAN VIEWS	PURPOSE OF ISSUE: FOR RESOURCE CONSENT	
B DRAWING UPDATES NS SL SL 13/01/26 A FIRST ISSUE SL SL SL 17/11/25										SCALE: L
										DO NOT SCALE
REVDESCRIPTIONDRN BYCHK BYAPP BYDATE										DRAWING NO: 3325-2-2301
										REV: B



Lot 2
DP 423656

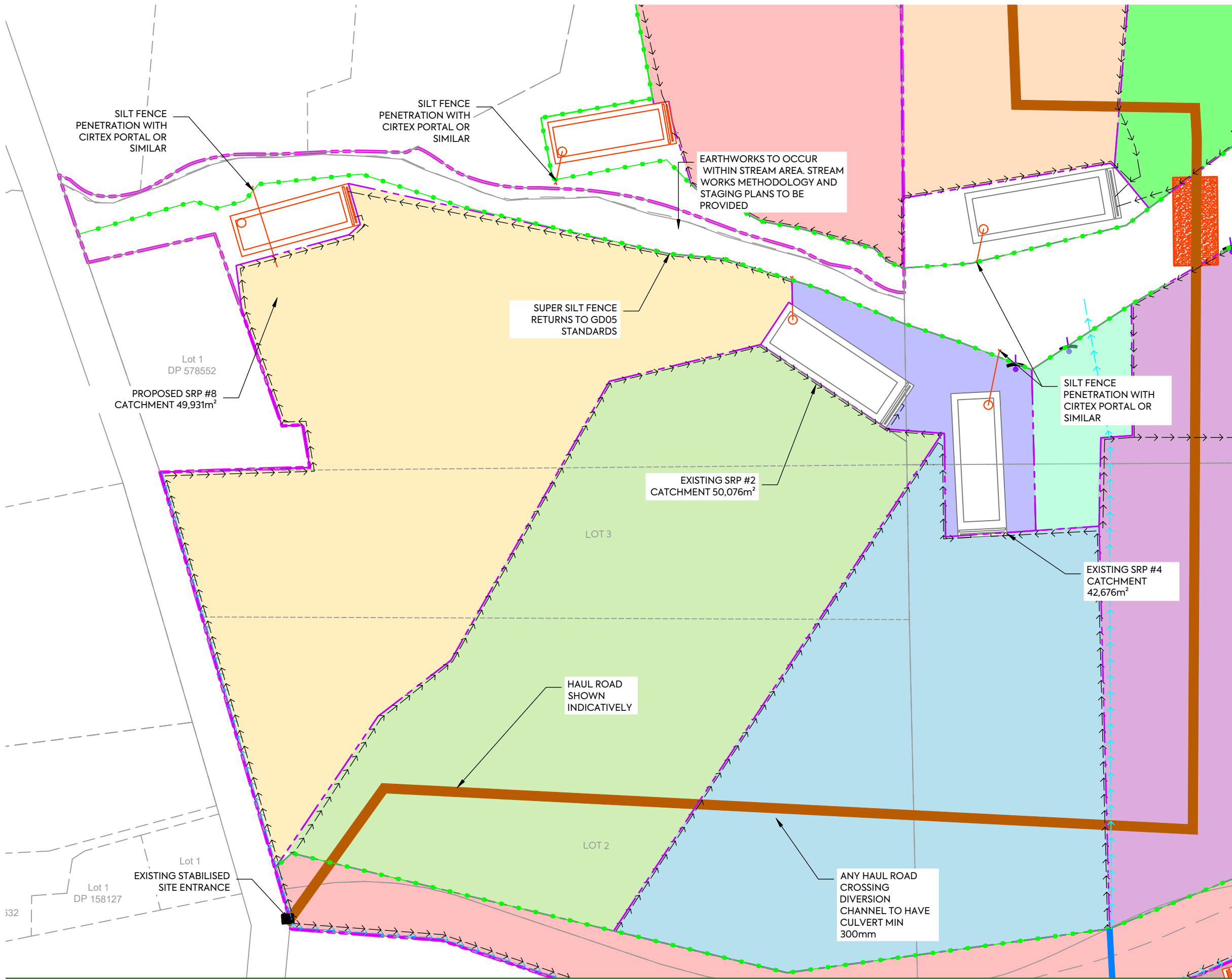
NOTES:

1. REFER TO DRS 230 FOR SEDIMENT CONTROL PLAN STANDARD NOTES.

LEGEND:

- SITE BOUNDARY
- SUPER SILT FENCE
- STABILISED ENTRANCE
- EXISTING CONTOURS (1m INCREMENT)
- DIRTY WATER BUND
- CLEAN WATER BUND
- SEDIMENT RETENTION POND (SRP)
- EXISTING SEDIMENT RETENTION POND (SRP) TO BE REUSED
- EXISTING OFLP
- CATCHMENT BOUNDARY
- SUB CATCHMENT BOUNDARY
- FLOW DIRECTION
- CATCHMENT HATCH
- DECANTING EARTH BUND
- HAUL ROAD

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY



NOTES:

- 1. REFER TO DRS 230 FOR SEDIMENT CONTROL PLAN STANDARD NOTES.

LEGEND:

- SITE BOUNDARY
- SUPER SILT FENCE
- STABILISED ENTRANCE
- EXISTING CONTOURS (1m INCREMENT)
- DIRTY WATER BUND
- CLEAN WATER BUND
- SEDIMENT RETENTION POND (SRP)
- EXISTING SEDIMENT RETENTION POND (SRP) TO BE REUSED
- EXISTING OFLP
- CATCHMENT BOUNDARY
- SUB CATCHMENT BOUNDARY
- FLOW DIRECTION
- CATCHMENT HATCH
- DECANTING EARTH BUND
- HAUL ROAD

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY

REV

DESCRIPTION

DRN BY

CHK BY

APP BY

DATE

B

DRAWING UPDATES

NS

SL

SL

13/01/26

A

FIRST ISSUE

SL

SL

SL

17/11/25

CLIENT:

PROJECT:

TITLE:

AW HOLDINGS 2021 LIMITED

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

EARTHWORKS
SEDIMENT CONTROL PLAN
PLAN 2

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:
L

DO NOT SCALE

DRAWING NO:

3325-2-2303

REV:

B

MCKENZIE & CO.

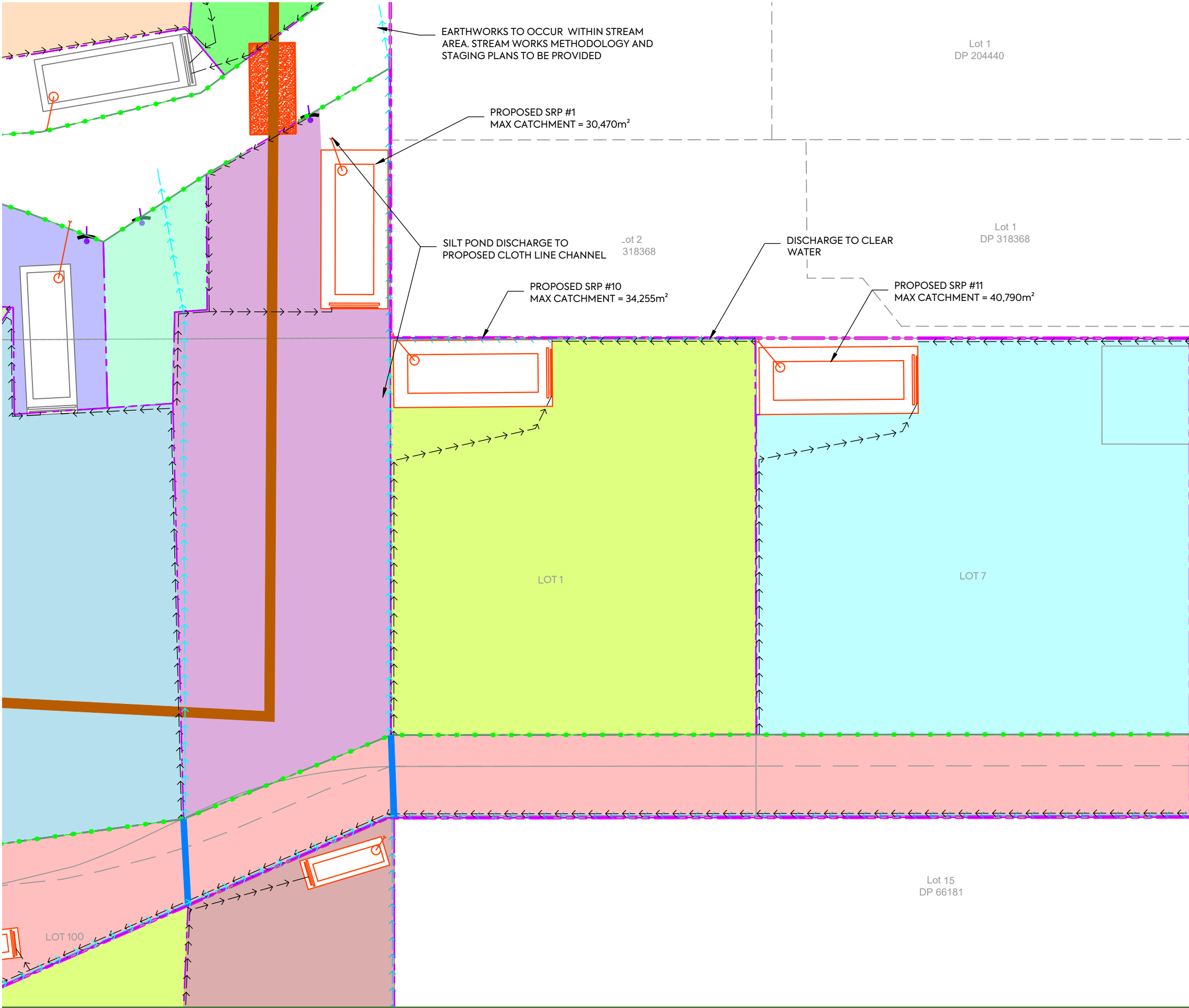
PLANT DATE

2026-01-13 15:11:48

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

C:\1205\DATA\MCKF501\3325-2 SURF PARK STAGE 2_5052\DESIGN\6.5. DRAWINGS\3325-2-2300.DWG



NOTES:

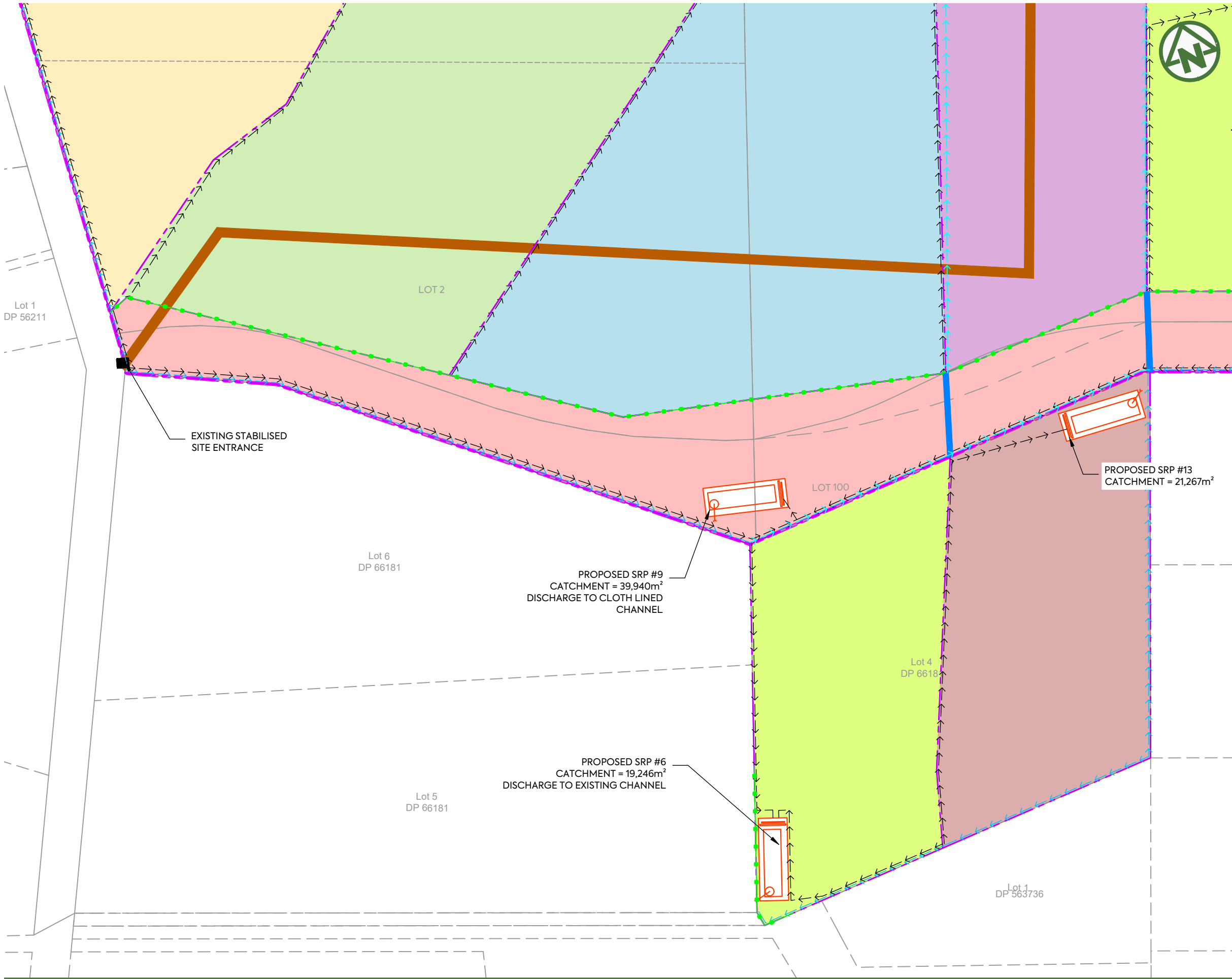
1. REFER TO DRS 230 FOR SEDIMENT CONTROL PLAN STANDARD NOTES.

LEGEND:

SITE BOUNDARY	
SUPER SILT FENCE	
STABILISED ENTRANCE	
EXISTING CONTOURS (1m INCREMENT)	
DIRTY WATER BUND	
CLEAN WATER BUND	
SEDIMENT RETENTION POND (SRP)	
EXISTING SEDIMENT RETENTION POND (SRP) TO BE REUSED	
EXISTING OFLP	
CATCHMENT BOUNDARY	
SUB CATCHMENT BOUNDARY	
FLOW DIRECTION	
CATCHMENT HATCH	
DECANTING EARTH BUND	
HAUL ROAD	

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY

CLIENT:				PROJECT:		TITLE:		PURPOSE OF ISSUE:	
AW HOLDINGS 2021 LIMITED				AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND		EARTHWORKS SEDIMENT CONTROL PLAN PLAN 3		FOR RESOURCE CONSENT	
MCKENZIE & CO.				SCALE: 1:2000 @ A3		DRAWING NO:		REV:	
A FIRST ISSUE				DO NOT SCALE		3325-2-2304		A	
REV DESCRIPTION				DRN BY		CHK BY		APP BY	
SL SL SL 17/11/25									



NOTES:

- 1. REFER TO DRS 230 FOR SEDIMENT CONTROL PLAN STANDARD NOTES.

LEGEND:

- SITE BOUNDARY
- SUPER SILT FENCE
- STABILISED ENTRANCE
- EXISTING CONTOURS (1m INCREMENT)
- DIRTY WATER BUND
- CLEAN WATER BUND
- SEDIMENT RETENTION POND (SRP)
- EXISTING SEDIMENT RETENTION POND (SPR) TO BE REUSED
- EXISTING OFLP
- CATCHMENT BOUNDARY
- SUB CATCHMENT BOUNDARY
- FLOW DIRECTION
- CATCHMENT HATCH
- DECANTING EARTH BUND
- HAUL ROAD

NOTE: ITS INTENDED THAT THIS PLAN IS FOR PROOF OF CONCEPT ONLY. PRIOR TO ANY EARTHWORKS STARTING A FINALISED AND DETAILED SEDIMENT AND EROSION CONTROL PLAN IS TO BE SUBMITTED TO AND APPROVED BY THE CONSENTING AUTHORITY

PLOT DATE

2026-01-13 15:11:49

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

C:\120D\S\DATA\MCKF501\3325-2 SURF PARK STAGE 2_5052\DESIGN\6.5. DRAWINGS\3325-2-2300.DWG

DAIRY FLAT HIGHWAY

POSTMAN ROAD

- NOTES:
- TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 - ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 - NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 - UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 - ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 - EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 - EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 - THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 - THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

- LEGEND:
- SITE BOUNDARY (EXTENT OF EARTHWORKS)
 - PROPOSED (1.0m) MAJOR CONTOUR
 - PROPOSED (0.2m) MINOR CONTOUR
 - EXISTING CONTOURS
 - CADASTRAL BOUNDARY
 - PROPOSED RETAINING WALL

C	DRAWING UPDATE	YL	SL	SL	24/04/26
B	UPDATE	SJO	SL	JK	15/04/26
A	FIRST ISSUE	SJO	-	SL	-
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



CLIENT: AW HOLDINGS 2021 LIMITED

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

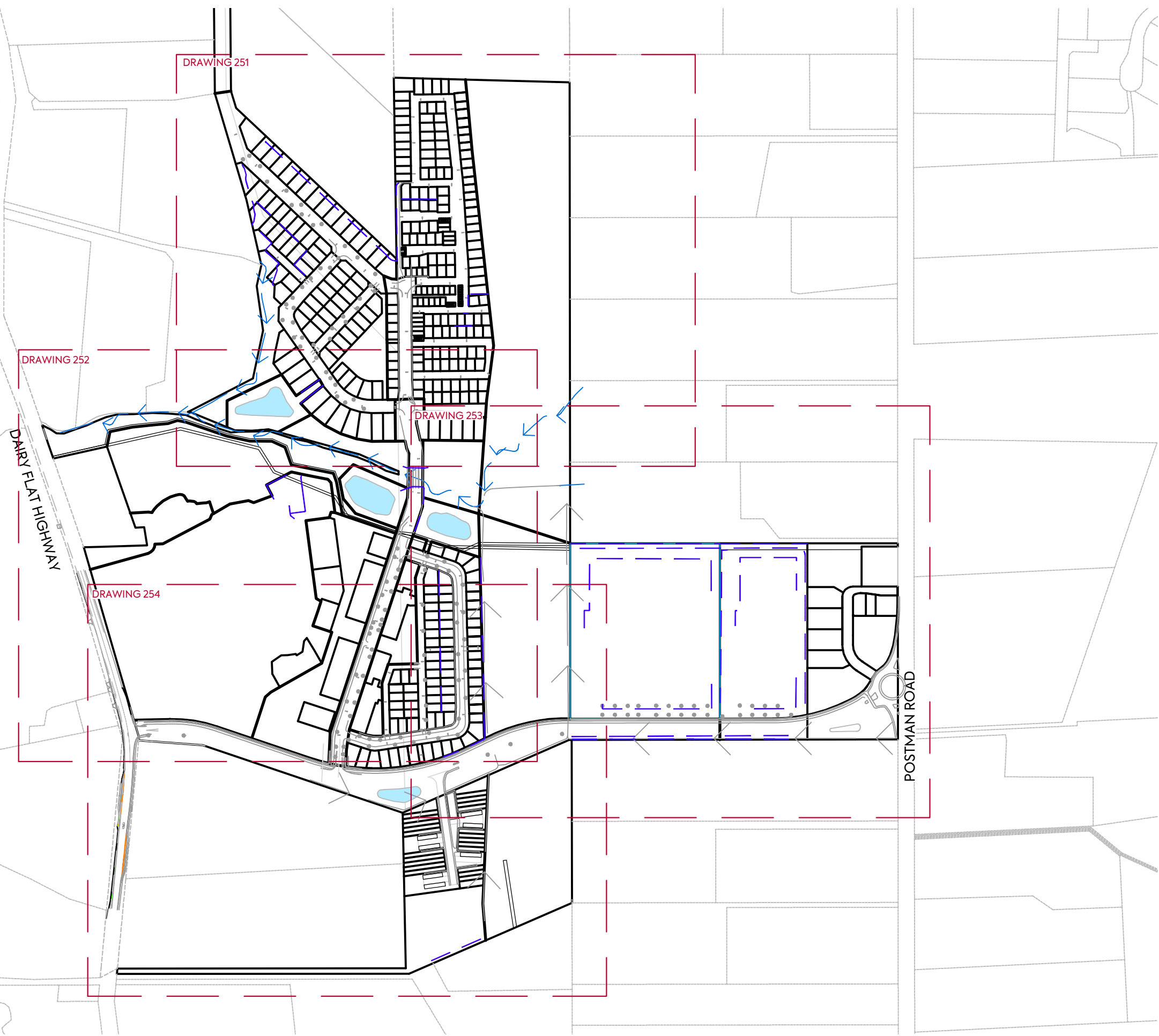
TITLE: EARTHWORKS
PROPOSED RETAINING WALL
OVERALL PLAN

PURPOSE OF ISSUE: FOR RESOURCE CONSENT

SCALE: 1:5000
DO NOT SCALE

DRAWING NO: 3325-2-2500

REV: C



- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
 2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
 3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
 4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
 5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
 6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
 8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
 9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

LEGEND:

SITE BOUNDARY (EXTENT OF EARTHWORKS)	
PROPOSED (1.0m) MAJOR CONTOUR	
PROPOSED (0.2m) MINOR CONTOUR	
EXISTING CONTOURS	
CADASTRAL BOUNDARY	
PROPOSED RETAINING WALL	

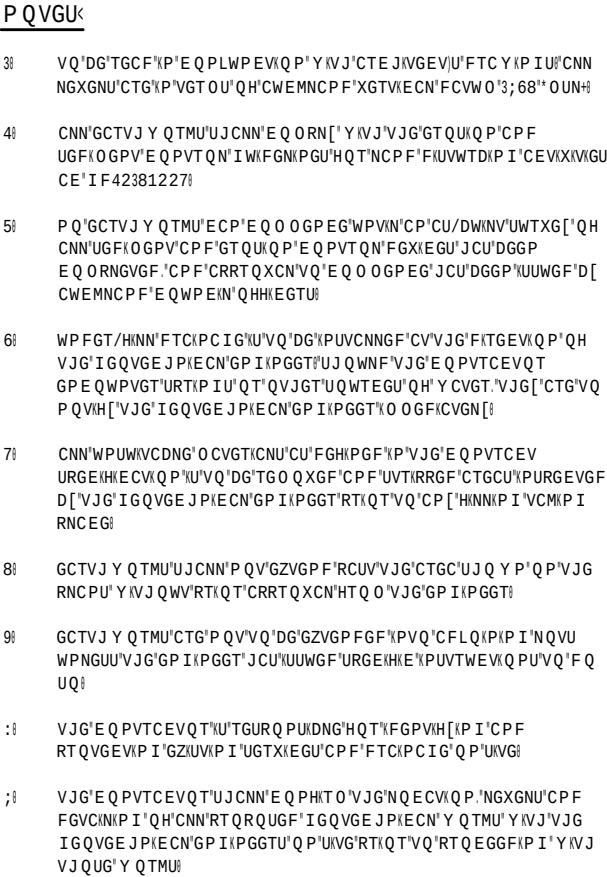


P Q VGU<

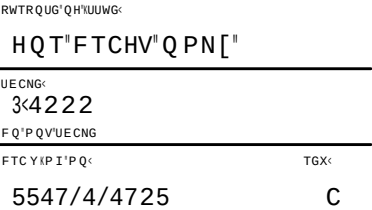
- 38VQ'DG'TGCF'KP'E Q PLWPEVQ P'Y IVJ'CTE JIVGEVU'FTC Y IP IU'CNN NGXGNU'CTG'KP'VGT OU'QH'CWEMNCPF'XGTVECN'FCVW O'3;68'' OUNH
- 48CNN'GCTVJ Y QTMU'UJCNN'E Q ORN['I'Y IVJ'VJG'GTQ UK'Q P'CPF UGF'OGPV'E Q PVT QN'I WKFGNPGU'HQ T'NCP F'FUVWTDK P I'CEVIXVIGU. CE'I F 42381227I
- 58P Q'GCTVJ Y QTMU'ECP'E Q O OGPEG'WPVIN'CP'CU/DWINV'UWTXG['QH CNN'UGF'OGPV'CPF'GTQ UK'Q P'E Q PVT QN'FGXIEGU'J CU'DGGP E Q ORNGVGF.'CPF'CRRT Q XCN'VQ'E Q O OGPEG'J CU'DGGP'UWUGF'D[CWEMNCPF'E QWPEIN'Q HHIEGTU
- 68WP FGT/HMN'FTC'PC IG'U'VQ'DG'XPUVCNNGF'CVVJG'FITGEVQ P'QH VJG'I GQVGE J P'ECN'GP I'XPGGT'UJ QWNF'VJG'E Q PVTCEVQ T GPE QWPVGT'URT'P IU'Q T'QVJGT'UQWTEGU'QH'Y CVGT.VJG['CTG'VQ P QVH['VJG'I GQVGE J P'ECN'GP I'XPGGT'X O OGF'ICVGN[
- 78CNN'WPUWVCDNG' O CVGTICNU'CU'FGH'PGF'X P'VJG'E Q PVTCEV URGEI'HECV'Q P'U'VQ'DG'TG O QXGF'CP F'UVTRRGF'CTGCU'X PURGEVGF D['VJG'I GQVGE J P'ECN'GP I'XPGGT'RTI Q T'VQ'CP['HINNIP I'VCM'P I RNCEG
- 88GCTVJ Y QTMU'UJCNN'P QV'GZVGP F'RCUV'VJG'CTGC'UJ Q Y P'Q P'VJG RNCPU'Y IVJ QWV'RTI Q T'CRRT Q XCN'HT Q O'VJG'GP I'XPGGT
- 98GCTVJ Y QTMU'CTG'P QV'VQ'DG'GZVGP FGF'X PVQ'CF L Q'XIP I'WQVU WPNGUU'VJG'GP I'XPGGT'J CU'UWUGF'URGEI'HE'X PUVTWEV'Q PU'VQ'F Q UQ
- 18VJG'E Q PVTCEVQ T'U'TGURQ PUKDNG'HQ T'XFGPVIH[X P I'CPF RTQVGEV'P I'GZIUVP I'UGTXIEGU'CPF'FTC'PC IG'Q P'UWVG
- 28VJG'E Q PVTCEVQ T'UJCNN'E Q PHKT O'VJG'N QECV'Q P.'NGXGNU'CPF FGV'CNIP I'QH'CNN'RTQRQUGF'I GQVGE J P'ECN'Y QTMU'Y IVJ'VJG I GQVGE J P'ECN'GP I'XPGGTU'Q P'UWV'RTI Q T'VQ'RT Q EGGF'X P I'Y IVJ VJ QUG'Y QTMU

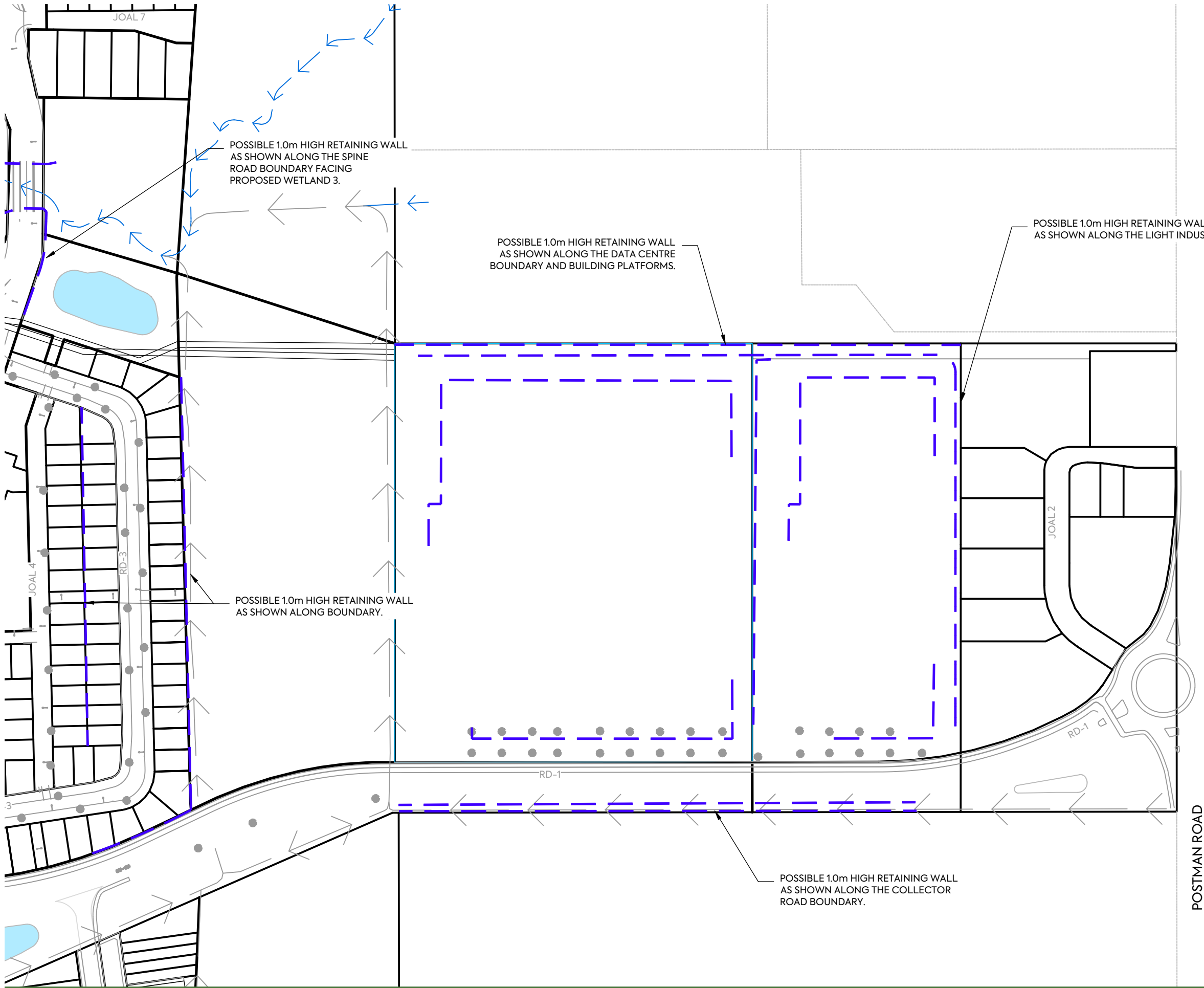
NGIGPF<

UWV'DQWP FCT['GZVGPV'QH GCTVJ Y QTMU+	
RTQRQUGF'32 o+'OCLQT'E Q PVQWT	8212
RTQRQUGF'214 o+'OKPQT'E Q PVQWT	
GZIUVP I'E Q PVQWTU	8412
ECFCUVT'CN'DQWP FCT[	
RTQRQUGF'TGVCKPKP I'Y CNN	



UVGSDQWPFCT[¹*GZVGPVQH
GCTVJY Y QTMU+
RTQRQUGF¹*2 o +¹O CLQT'E Q PVQWT
RTQRQUGF¹*24 o +¹OXP QT'E Q PVQWT
GZUWPI'E Q PVQWTU
ECFCUVTNC'DQWPFCT[
RTQRQUGF¹TGVC(P(P I'Y CNN





NOTES:

1. TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS. ALL LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946 (MSL).
2. ALL EARTHWORKS SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES, AC GD2016/005.
3. NO EARTHWORKS CAN COMMENCE UNTIL AN AS-BUILT SURVEY OF ALL SEDIMENT AND EROSION CONTROL DEVICES HAS BEEN COMPLETED, AND APPROVAL TO COMMENCE HAS BEEN ISSUED BY AUCKLAND COUNCIL OFFICERS.
4. UNDER-FILL DRAINAGE IS TO BE INSTALLED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SHOULD THE CONTRACTOR ENCOUNTER SPRINGS OR OTHER SOURCES OF WATER, THEY ARE TO NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY.
5. ALL UNSUITABLE MATERIALS AS DEFINED IN THE CONTRACT SPECIFICATION IS TO BE REMOVED AND STRIPPED AREAS INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO ANY FILLING TAKING PLACE.
6. EARTHWORKS SHALL NOT EXTEND PAST THE AREA SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
7. EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING LOTS UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS TO DO SO.
8. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND PROTECTING EXISTING SERVICES AND DRAINAGE ON SITE.
9. THE CONTRACTOR SHALL CONFIRM THE LOCATION, LEVELS AND DETAILING OF ALL PROPOSED GEOTECHNICAL WORKS WITH THE GEOTECHNICAL ENGINEERS ON SITE PRIOR TO PROCEEDING WITH THOSE WORKS.

LEGEND:

SITE BOUNDARY (EXTENT OF EARTHWORKS)	
PROPOSED (1.0m) MAJOR CONTOUR	
PROPOSED (0.2m) MINOR CONTOUR	
EXISTING CONTOURS	
CADASTRAL BOUNDARY	
PROPOSED RETAINING WALL	

CLIENT:

AW HOLDINGS 2021
LIMITED

PROJECT:

AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:

EARTHWORKS
PROPOSED RETAINING WALL
SHEET 3

PURPOSE OF ISSUE:

FOR RESOURCE CONSENT

SCALE:

1:2000

DO NOT SCALE

DRAWING NO:

3325-2-2504

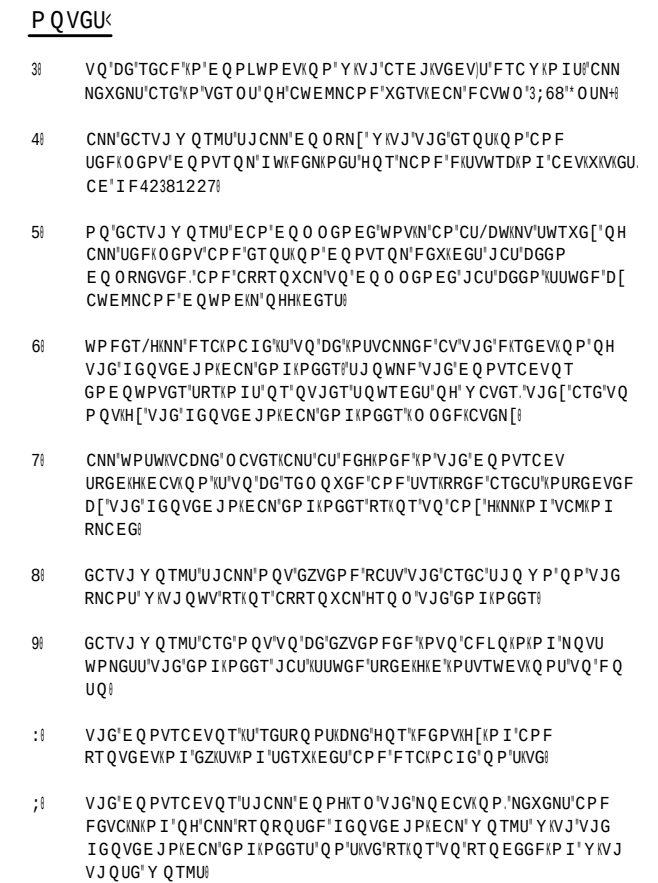
REV:

C

C	DRAWING UPDATE	YL	SL	JK	24/04/26
B	DRAWING UPDATE	SJO	SJ	SJ	15/04/26
A	FIRST ISSUE	SJO	SJ	SJ	-
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.



UWGV'DQWPFCT[**GZVGPV'QH
GCTVJ Y QTMU+

RTQRQUGF**2o+°OCLQT'E QPVQWT

RTQRQUGF**24o+°OKPQT'E QPVQWT

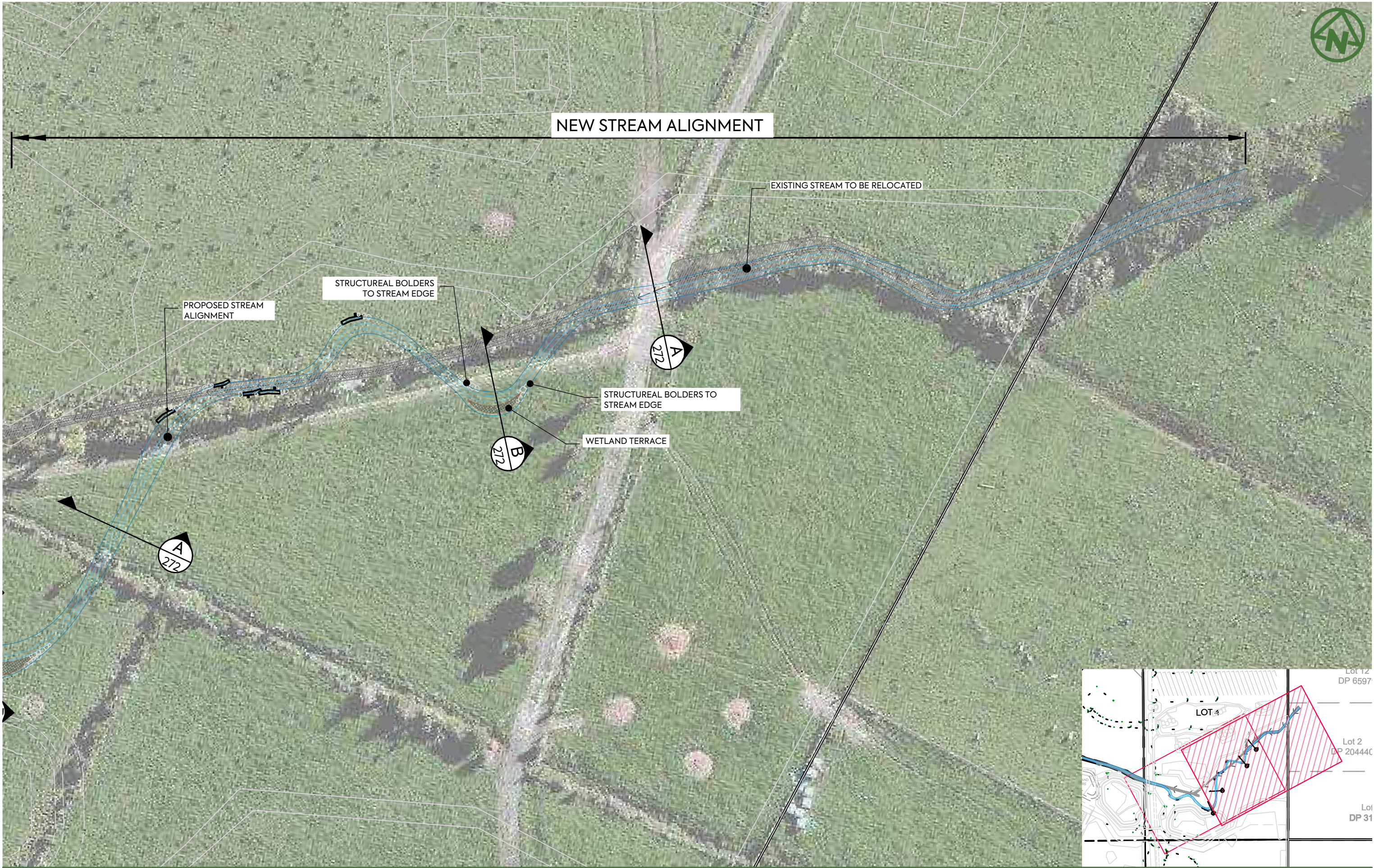
GZ(UV'P I'E QPVQWTU

ECFCUVTCN'DQWPFCT[

RTQRQUGF'TGVCXPKP I'Y CNN



RWTRQUG'QH'WUWUG:
 HQ'T'FTCHV"QP[N"
 UECNG:
 3<4222
 F'Q'P'QV'UECNG
 FTCYIP'I'P'Q<
 TGX<



CLIENT: AW HOLDINGS 2021 LIMITED

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

TITLE: STREAM PLAN SHEET 1

PURPOSE OF ISSUE: FOR RESOURCE CONSENT

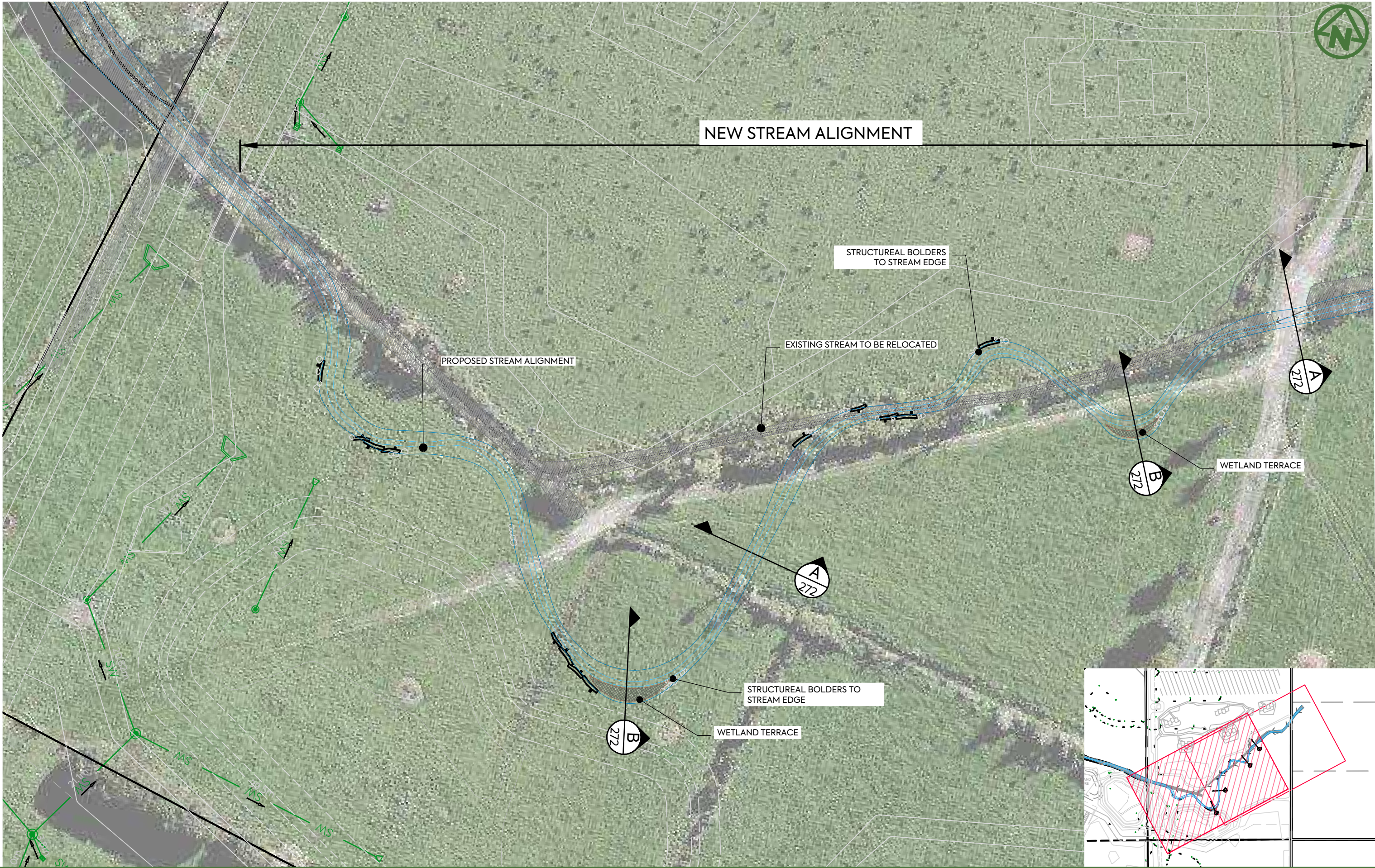
SCALE: 1:500

DO NOT SCALE

DRAWING NO: 3325-2-2700

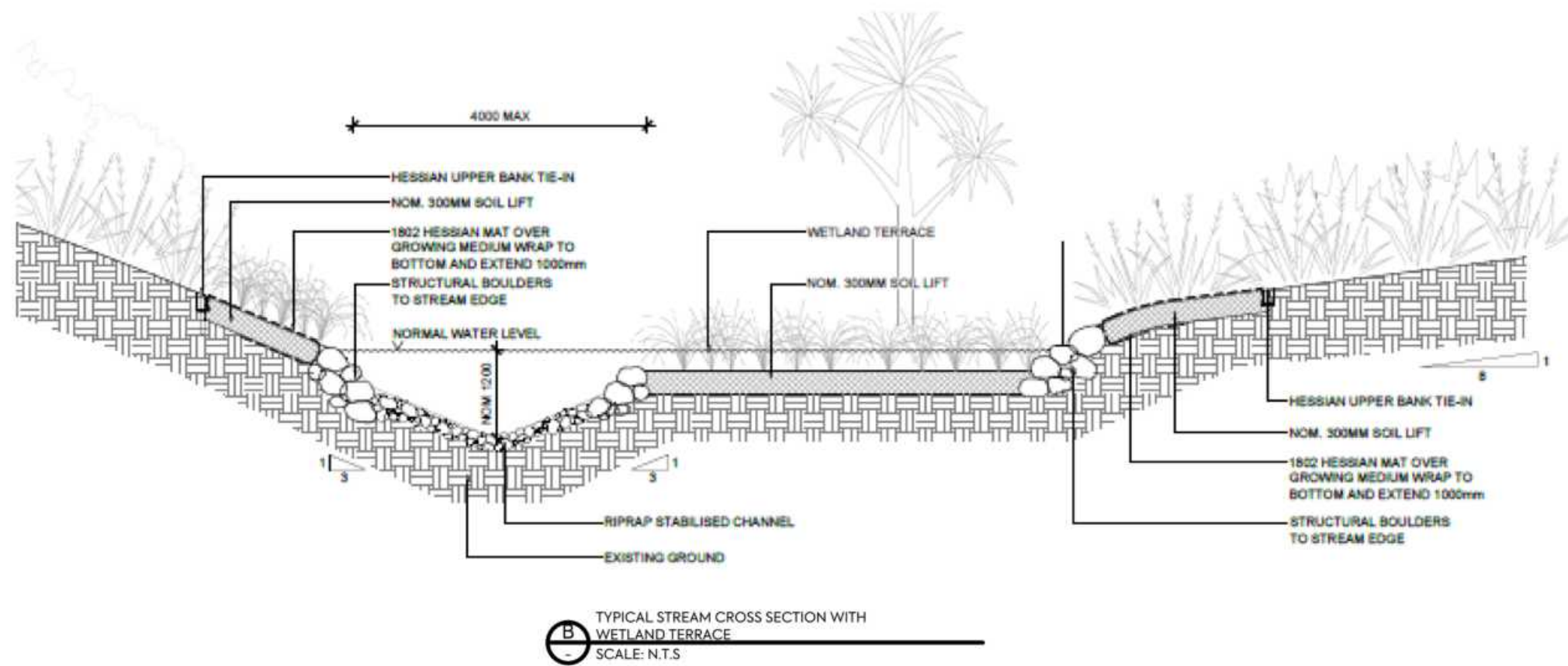
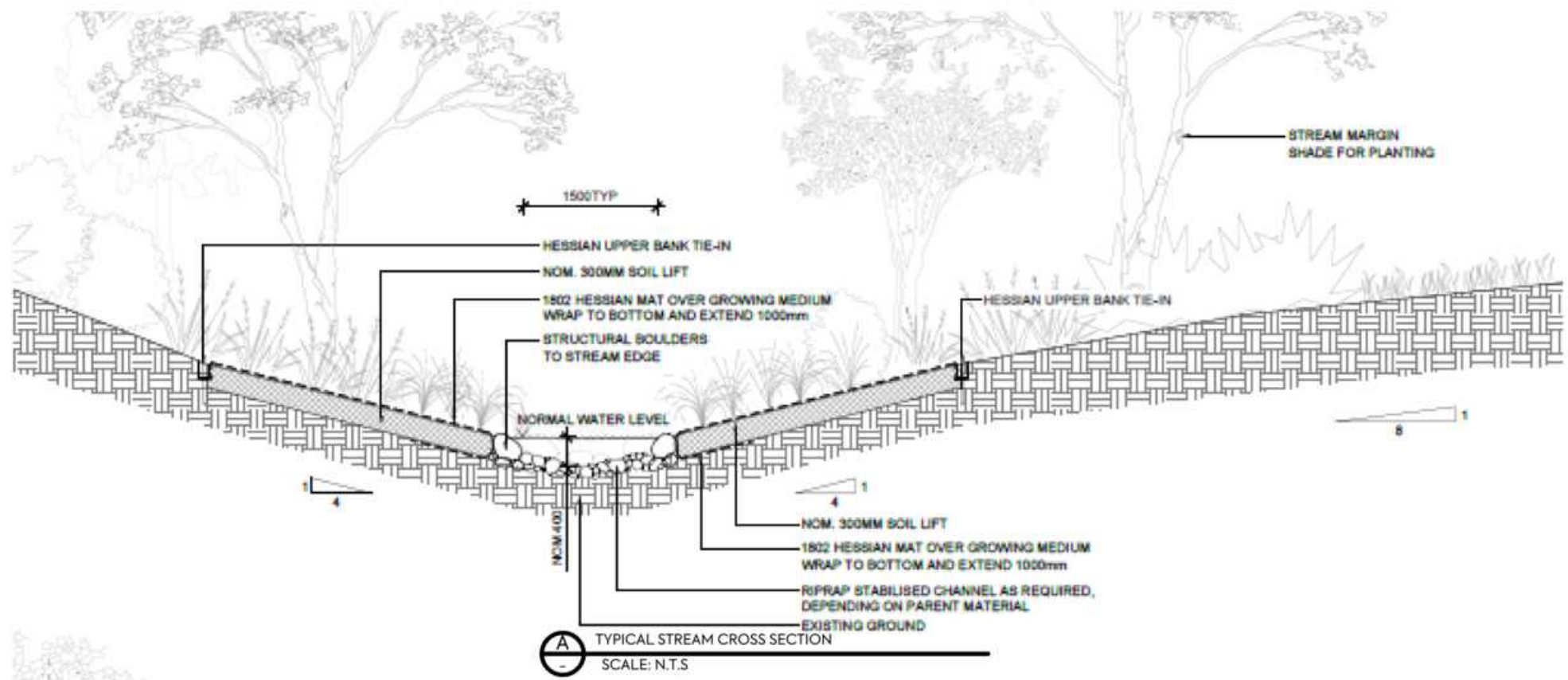
REV: A

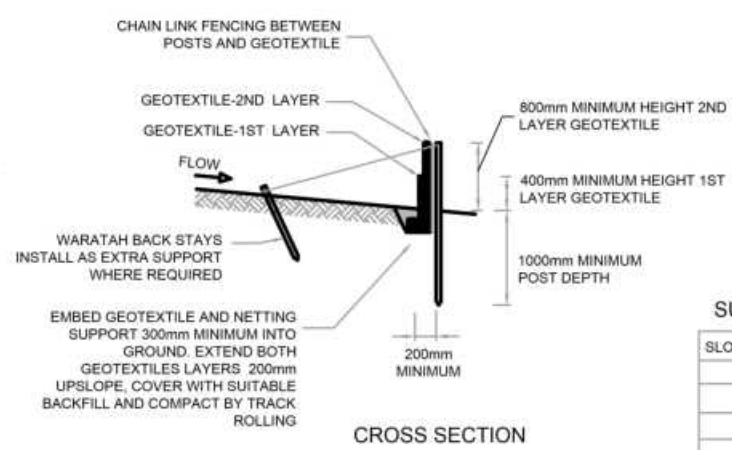
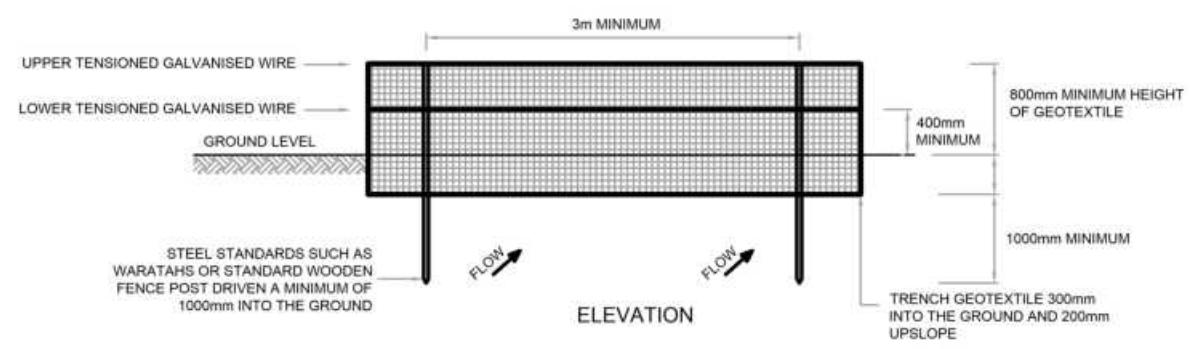
A	FIRST ISSUE	NS	SL	JK	13/01/26
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



CLIENT:				PROJECT:		TITLE:		PURPOSE OF ISSUE:	
AW HOLDINGS 2021 LIMITED				AUCKLAND SURF PARK 1350 DAIRY FLAT HIGHWAY DAIRY FLAT, AUCKLAND		STREAM PLAN SHEET 2		FOR RESOURCE CONSENT	
								SCALE: 1:500 DO NOT SCALE	
								DRAWING NO: 3325-2-2701	
								REV: A	

NOTES:
REFER TO LANDSCAPE
DRAWINGS FOR DETAILS





SUPER SILT FENCE DESIGN CRITERIA:

SLOPE STEEPNESS %	SLOPE LENGTH (m) (MAXIMUM)	SPACING OF RETURNS (m)
0-10%	UNLIMITED	60
10-20%	60	50
20-33%	30	40
33-50%	30	30
>50%	15	20

SUPER SILT FENCE CONSTRUCTION

STABILISED CONSTRUCTION ENTRANCE SPECIFICATIONS:

APPLICATION

USE A STABILISED CONSTRUCTION ENTRANCE AT ALL POINTS OF CONSTRUCTION SITE INGRESS AND EGRESS WITH A CONSTRUCTION PLAN LIMITING TRAFFIC TO THESE ENTRANCES ONLY. THEY ARE PARTICULARLY USEFUL ON SMALL CONSTRUCTION SITES BUT CAN BE UTILISED FOR ALL PROJECTS.

DESIGN:

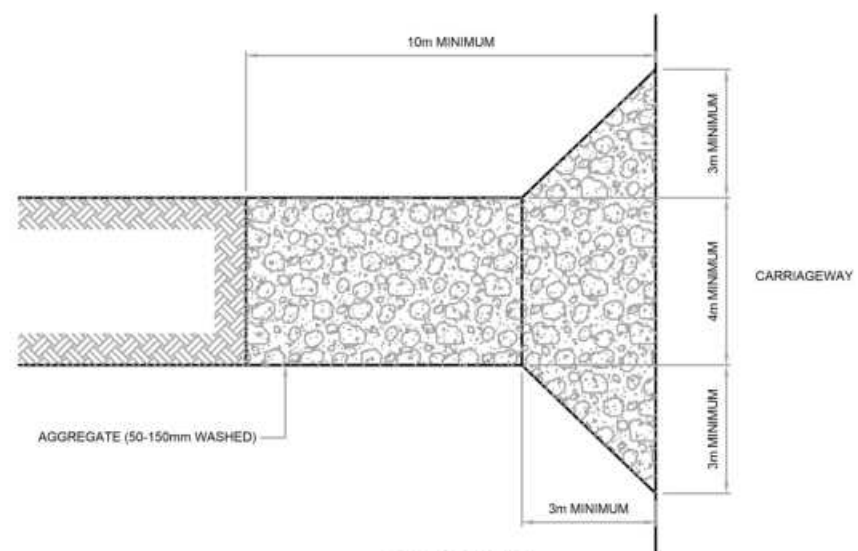
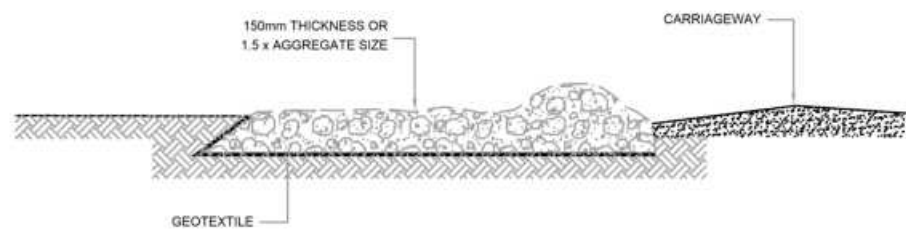
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
2. LAY WOVEN GEOTEXTILE; PIN DOWN EDGES AND OVERLAP JOINTS.
3. PROVIDE DRAINAGE TO CARRY RUNOFF FROM THE STABILISED CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
4. PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS:

AGGREGATE SIZE	5-150mm WASHED AGGREGATE
THICKNESS	150mm MINIMUM OR 1.5 X AGGREGATE SIZE
LENGTH	10m MINIMUM LENGTH RECOMMENDED
WIDTH	4m MINIMUM

MAINTENANCE

1. MAINTAIN THE STABILISED CONSTRUCTION ENTRANCE IN A CONDITION TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. AFTER EACH RAINFALL INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT FROM THE STABILISED CONSTRUCTION ENTRANCE AND CLEAN OUT AS NECESSARY.
2. WHEN WHEEL WASHING IS ALSO REQUIRED, ENSURE THIS IS DONE ON AN AREA STABILISED WITH AGGREGATE WHICH DRAINS TO AN APPROVED SEDIMENT RETENTION FACILITY.



STABILISED CONSTRUCTION ENTRANCE



CLIENT:
AW HOLDINGS 2021 LIMITED

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

TITLE:
**EARTHWORKS
EROSION AND SEDIMENT
CONTROL DETAILS
SHEET 1**

PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

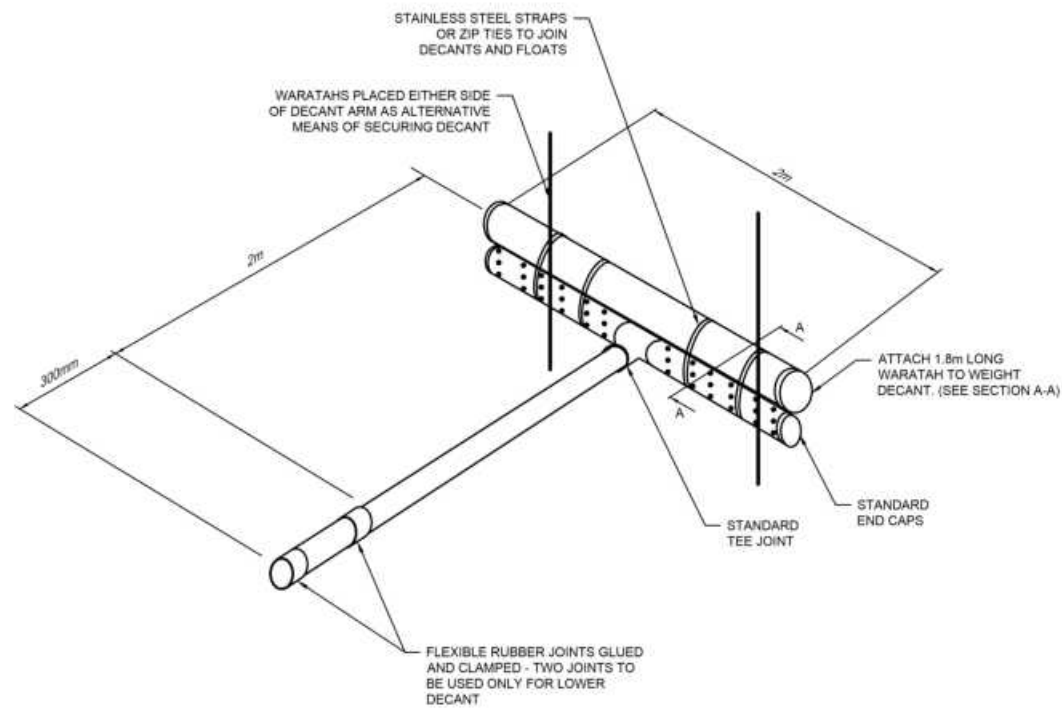
SCALE:
N.T.S.

DO NOT SCALE

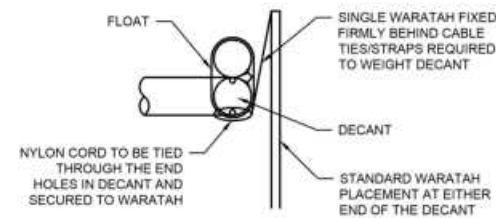
DRAWING NO:
3325-2-2900

REV:
A

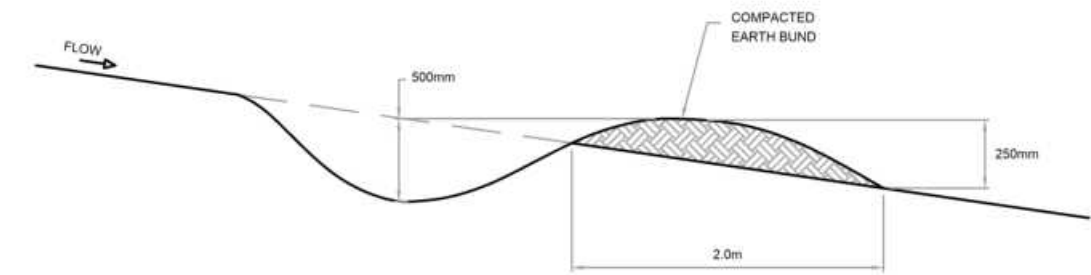
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	AL	SL	SL	07/11/25



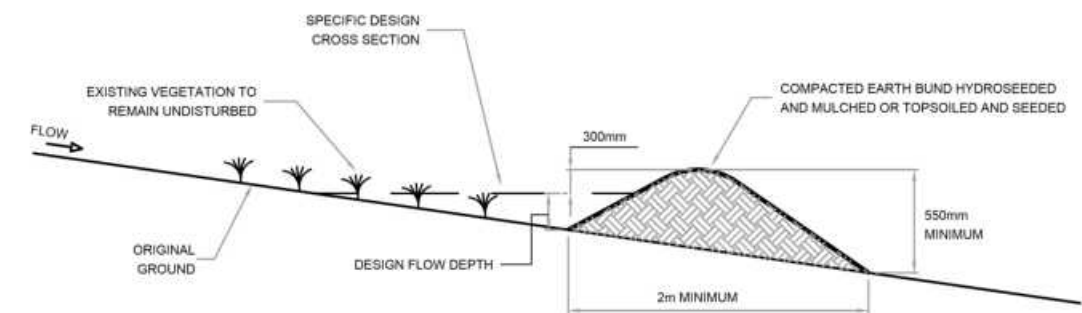
DECANT WITH UPSTAND FOR DECANTING EARTH BUND



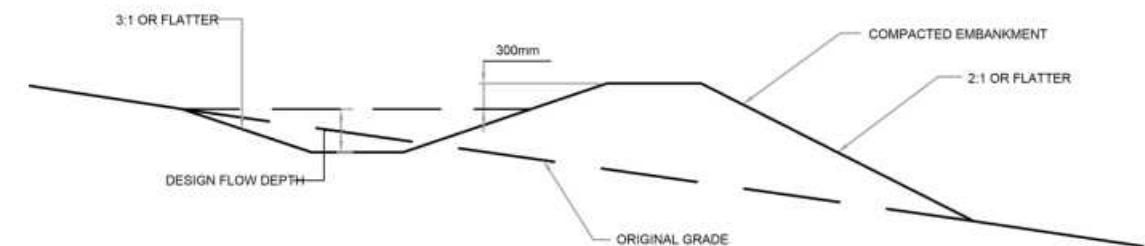
SECTION A-A



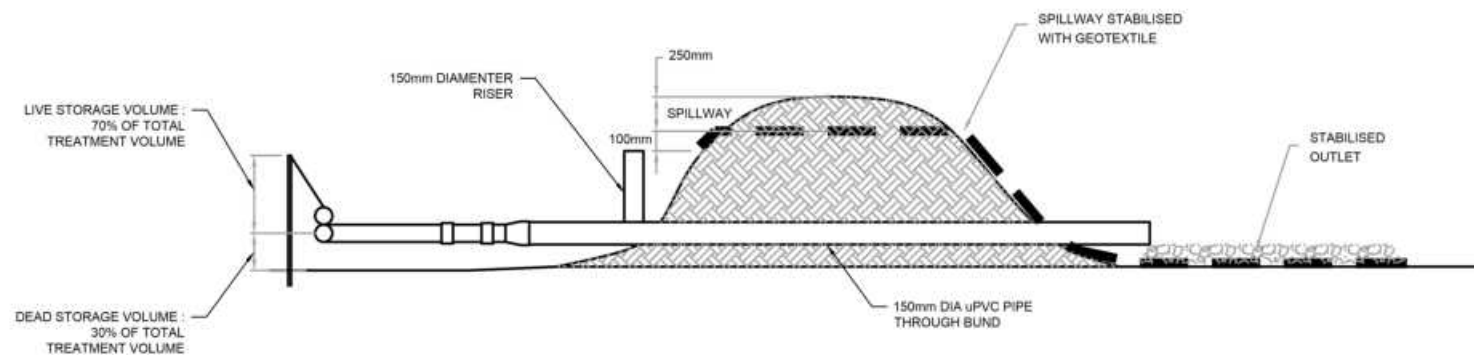
CONTOUR DRAIN



CLEANWATER RUNOFF DIVERSION BUND - CROSS SECTION



RUNOFF DIVERSION BUND - CROSS SECTION



EARTH BUND



CLIENT:
AW HOLDINGS 2021
LIMITED

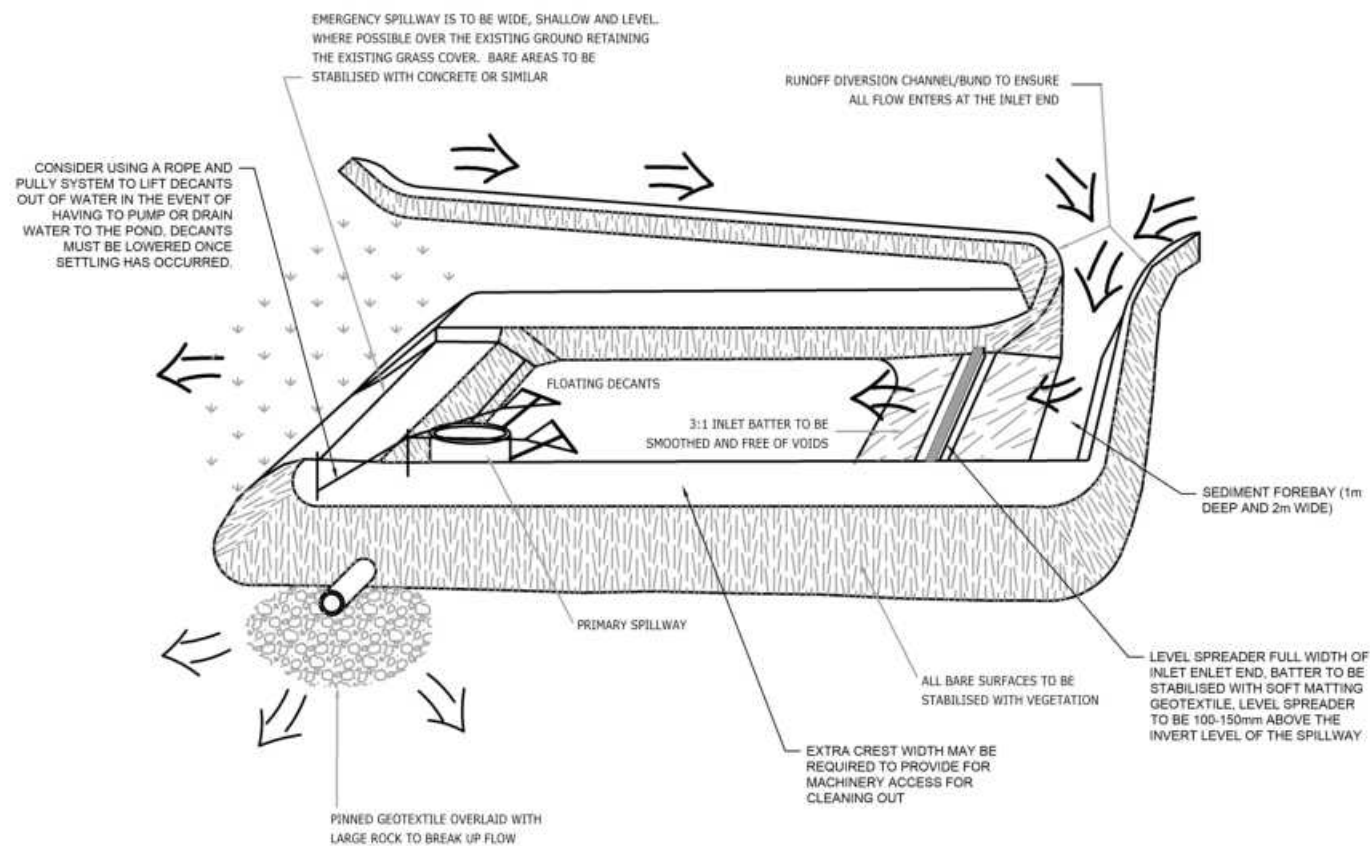
PROJECT:
AUCKLAND SURF PARK
1350 DAIRY FLAT HIGHWAY
DAIRY FLAT, AUCKLAND

TITLE:
EARTHWORKS
EROSION AND SEDIMENT
CONTROL DETAILS
SHEET 2

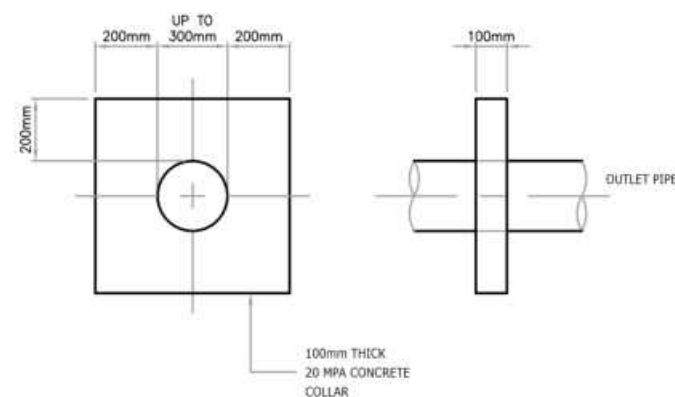
PURPOSE OF ISSUE:
FOR RESOURCE CONSENT

SCALE:
N.T.S.
DO NOT SCALE
DRAWING NO:
3325-2-2901
REV:
A

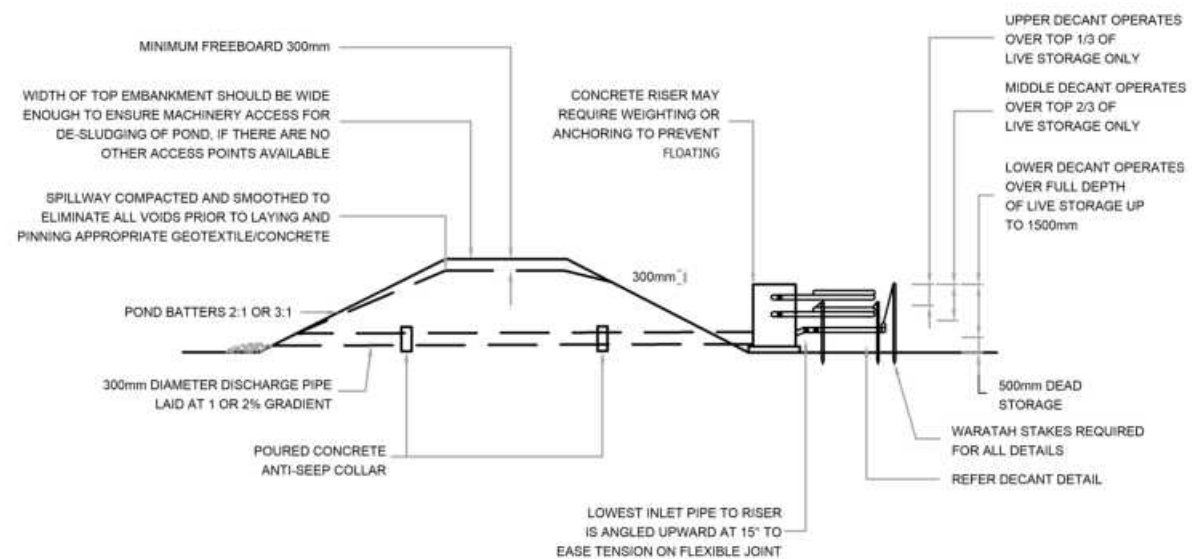
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	FIRST ISSUE	AL	SL	SL	07/11/25



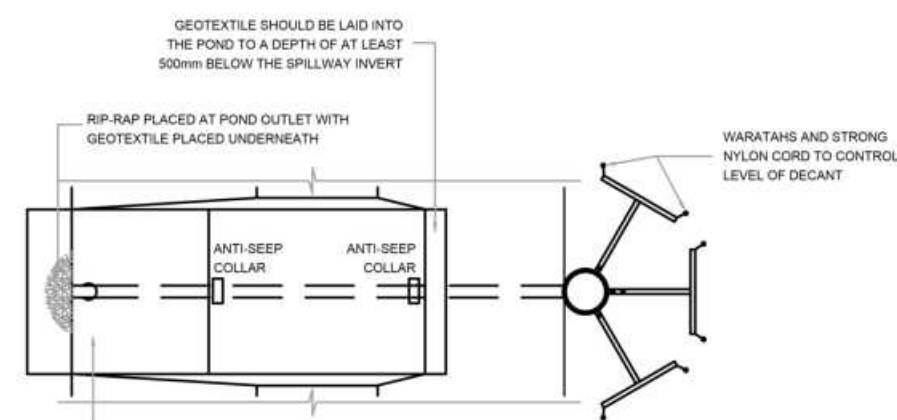
SEDIMENT RETENTION POND



ANTI-SEEP COLLAR



CROSS SECTION



PLAN

SEDIMENT RETENTION POND

NUMBER OF DECANTS FOR EACH POND SHALL BE AS FOLLOWS:

- I) UP TO 1.5HA CATCHMENT - 1 DECANT
- II) 1.5-3.0HA CATCHMENT - 2 DECANTS
- III) 3 TO 5 HA CATCHMENT - 3 DECANTS