



W W W . E N V E L O P E - E N G . C O . N Z

CLIENT:
CLASSIC DEVELOPMENTS
RANGIURU ROAD LIMITED

PROJECT:
234 RANGIURU ROAD
OTAKI

PLAN SET:
CIVIL ENGINEERING DRAWINGS

ISSUE:
FOR RESOURCE CONSENT

DATE:
8 APRIL 2026

REFERENCE:
1678-02

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1678-02-5900	R2	PROPOSED WATER & SERVICES UTILITIES TRENCH DETAILS



LOCATION PLAN
SCALE 1:2500





LEGEND:

 INDICATES EXISTING CONTOURS SHOWN AT 0.2m INTERVALS

 SITE BOUNDARY

NOTES:

- LEVELS ARE IN TERMS OF NZVD2016
ORIGIN OF LEVELS
F2K5 - SP 1 DP 471186
RL 5.34m
- COORDINATES ARE IN TERMS NZ GEODETIC DATUM 2000
WANGANUI CIRCUIT
ORIGIN OF COORDINATES
F2K5 - SP 1 DP 471186
743180.35 mN 370206.53 mE
- EXISTING CONTOURS ARE A COMBINATION OF SITE SURVEY AND FROM COUNCIL GIS LIDAR DATA.

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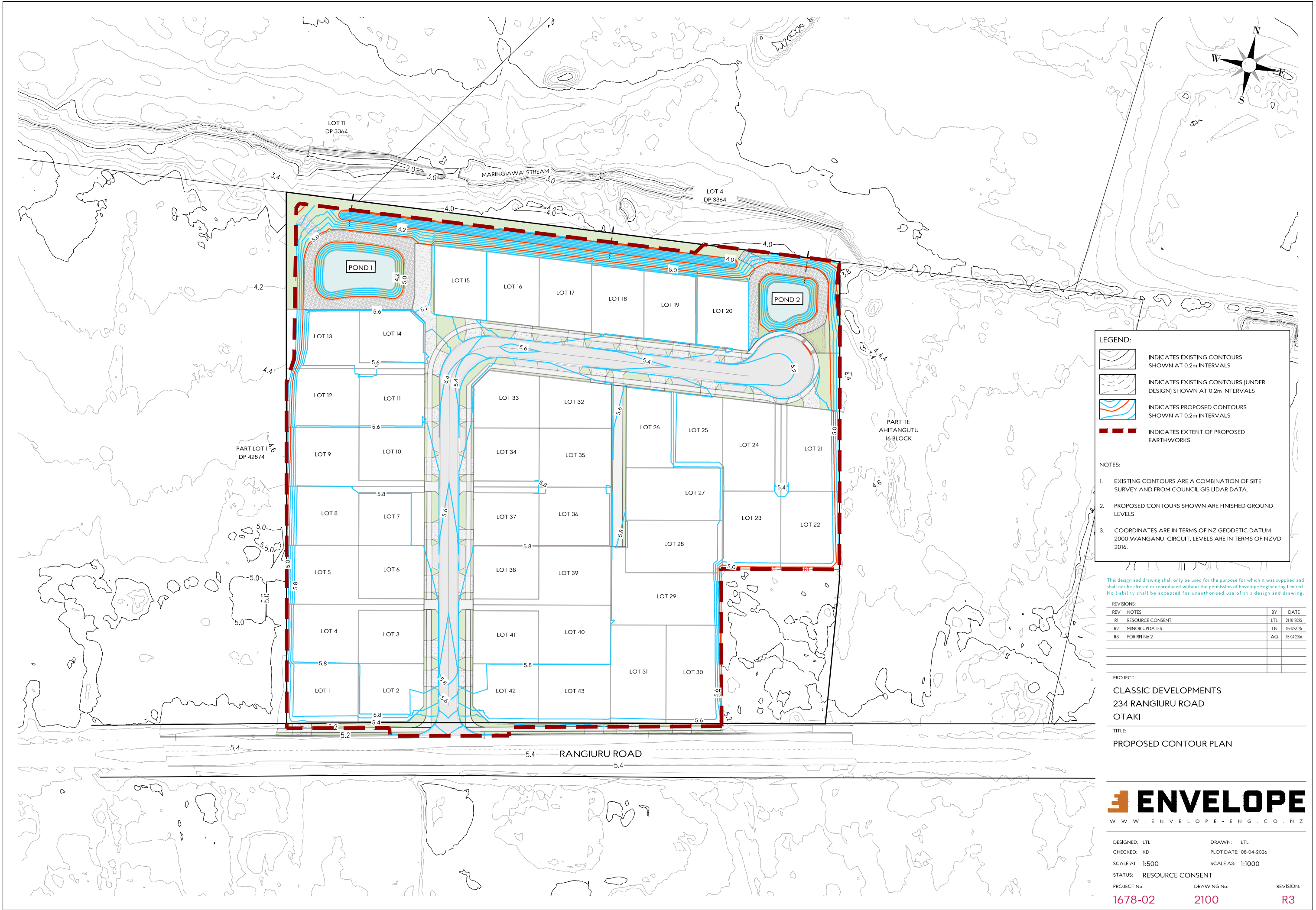
REVISIONS:		BY	DATE
REV	NOTES	LB	
R1	FOR RESOURCE CONSENT		05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
EXISTING CONTOURS PLAN



DESIGNED: LTL	DRAWN: LTL	REVISION:
CHECKED: KD	PLOT DATE: 24-02-2026	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: RESOURCE CONSENT		
PROJECT No: 1678-02	DRAWING No: 2000	



LEGEND:

- INDICATES EXISTING CONTOURS SHOWN AT 0.2m INTERVALS
- INDICATES EXISTING CONTOURS (UNDER DESIGN) SHOWN AT 0.2m INTERVALS
- INDICATES PROPOSED CONTOURS SHOWN AT 0.2m INTERVALS
- INDICATES EXTENT OF PROPOSED EARTHWORKS

NOTES:

- EXISTING CONTOURS ARE A COMBINATION OF SITE SURVEY AND FROM COUNCIL GIS LIDAR DATA.
- PROPOSED CONTOURS SHOWN ARE FINISHED GROUND LEVELS.
- COORDINATES ARE IN TERMS OF NZ GEODETIC DATUM 2000 WANGANUI CIRCUIT. LEVELS ARE IN TERMS OF NZVD 2016.

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REV	NOTES	BY	DATE
R1	RESOURCE CONSENT	LTL	21-10-2025
R2	MINOR UPDATES	LB	05-12-2025
R3	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORA ROAD
OTAKI

TITLE:
PROPOSED CONTOUR PLAN



DESIGNED: LTL	DRAWN: LTL	REVISION: R3
CHECKED: KD	PLOT DATE: 08-04-2026	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1678-02	2100	



LEGEND:

- INDICATES EXISTING CONTOURS SHOWN AT 0.2m INTERVALS
- INDICATES EXTENT OF PROPOSED BULK EARTHWORKS
- PROPOSED SILT FENCE
- RUNOFF DIVERSION CHANNEL

- NOTES:**
- COORDINATES ARE IN TERMS OF NZ GEODETIC DATUM 2000 WANGANUI CIRCUIT. LEVELS ARE IN TERMS OF NZVD 2016.
 - TRAFFICKED ROUTES THROUGH SITE TO BE STABILISED BY APPLICATION OF METAL
 - RETURNS IN SILT FENCING TO BE INSTALLED INCREMENTALLY AT BOUNDARIES OF CONSTRUCTION PHASES TO AVOID RISK OF OVERTOPPING / BLOW-OUTS OF FENCING
 - THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GWRC "EROSION & SEDIMENT CONTROL GUIDELINES FOR THE WELLINGTON REGION."

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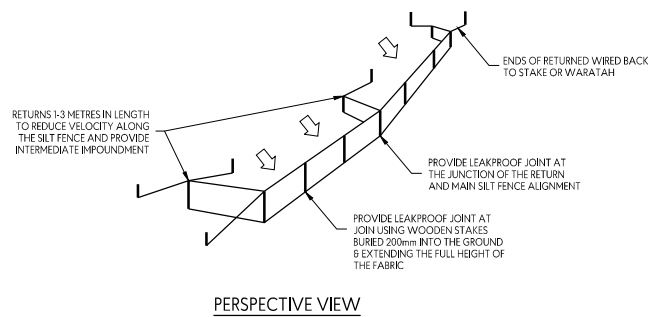
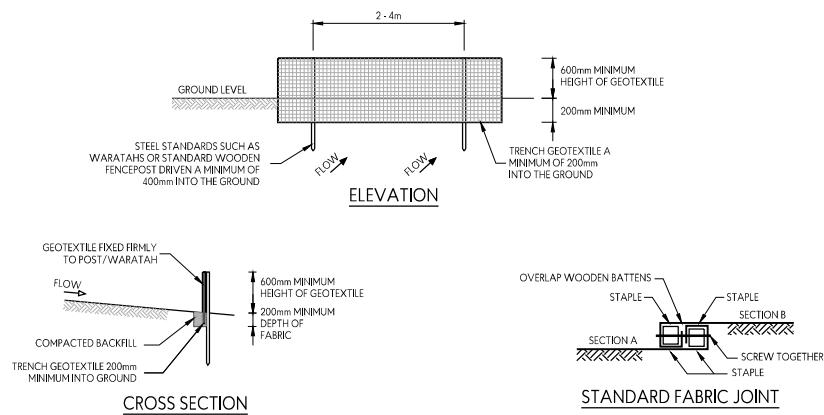
REVISIONS:		BY	DATE
REV	NOTES	LB	05-12-2025
R1	FOR RESOURCE CONSENT		

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI

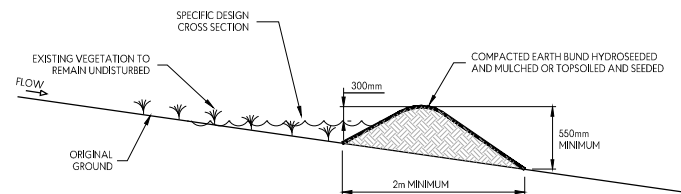
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
PLAN



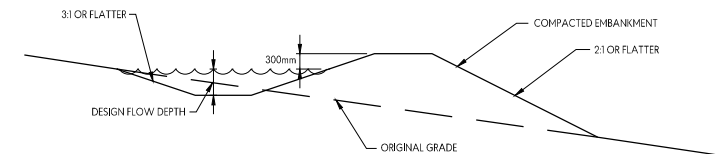
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CHECKED: KD	PLOT DATE: 24-02-2026
SCALE A1: 1:500	SCALE A3: 1:1000
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 2300
	REVISION: R1



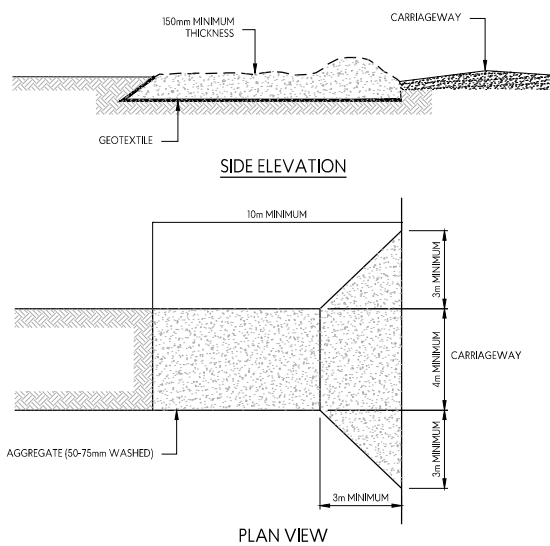
SILT FENCE CONSTRUCTION



CLEANWATER RUNOFF DIVERSION BUND CROSS SECTION



RUNOFF DIVERSION BUND CROSS SECTION



STABILISED CONSTRUCTION ENTRANCE

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:

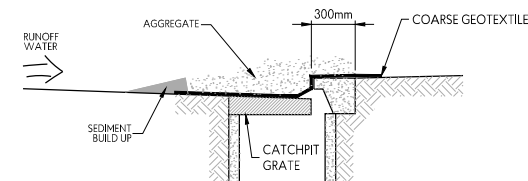
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
2. PROVIDE DRAINAGE TO CARRY RUNOFF FROM THE STABILISED CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
3. PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS:

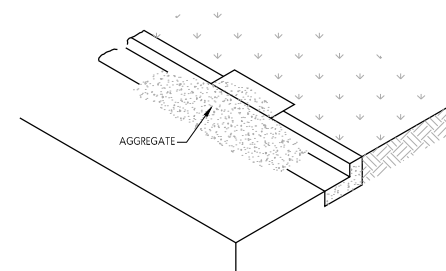
AGGREGATE SIZE	5-75mm WASHED AGGREGATE
THICKNESS	150mm MINIMUM
LENGTH	10m MINIMUM
WIDTH	4m MINIMUM

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.



CROSS SECTION



STORMWATER INLET PROTECTION - FILTER MEDIA DESIGN

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REVISIONS:		BY	DATE
REV	NOTES		
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:

CLASSIC DEVELOPMENTS LIMITED
234 RANGIURU ROAD
OTAKI

TITLE:

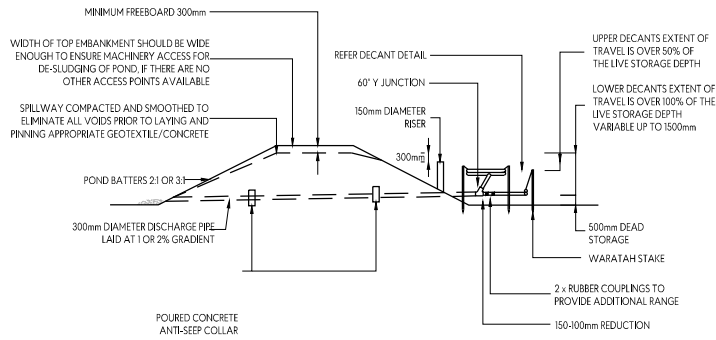
PROPOSED EROSION & SEDIMENT CONTROL
STANDARD DETAILS - SHEET 1

ENVELOPE
W W W . E N V E L O P E - E N G . C O . N Z

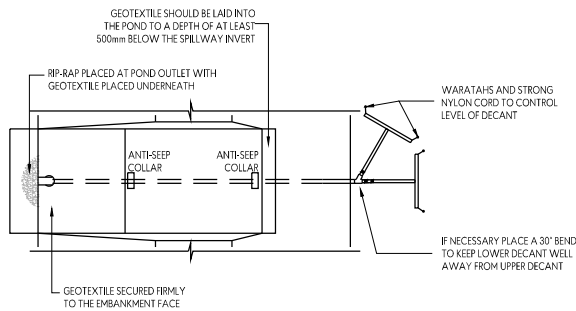
DESIGNED: LTL
CHECKED: KD
SCALE A1: NOT TO SCALE
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: MJP
PLOT DATE: 24-02-2026
SCALE A3:
DRAWING No: 2400

REVISION: R1

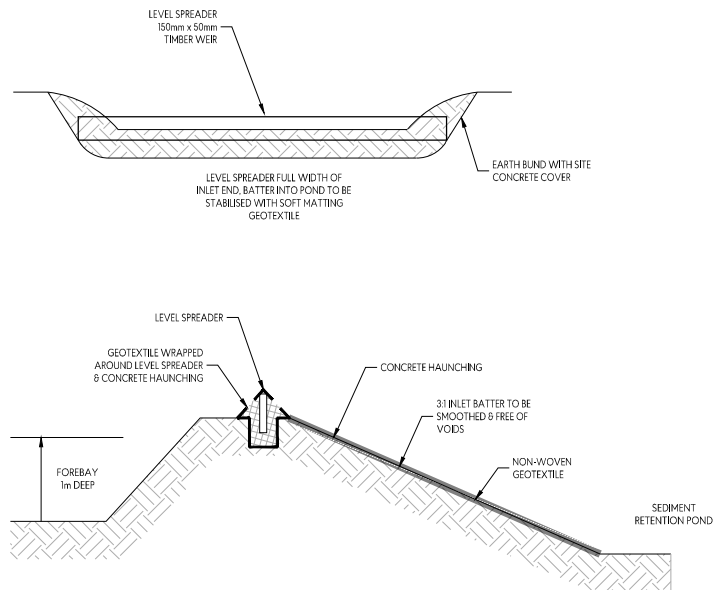


CROSS SECTION

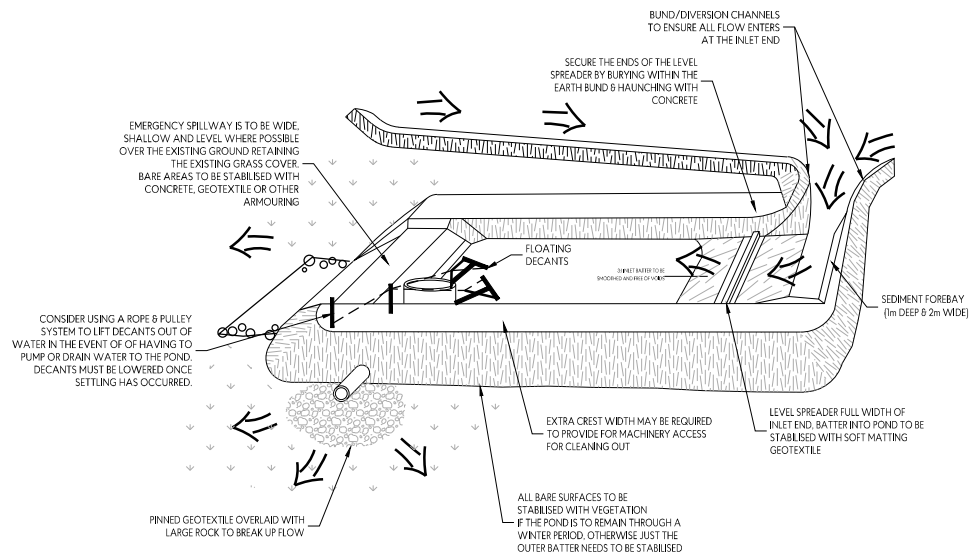


PLAN VIEW

SEDIMENT RETENTION POND FOR 1.5 - 3 ha CATCHMENT



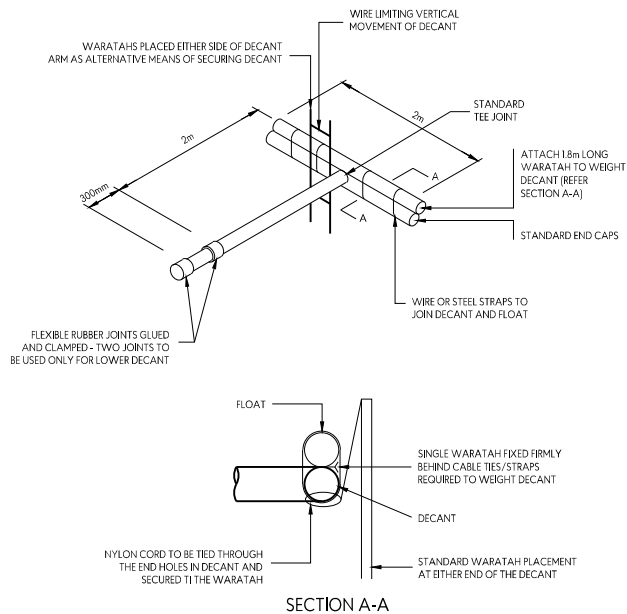
LEVEL SPREADER



SEDIMENT RETENTION POND

NUMBER OF DECANTS FOR EACH POND SHALL BE AS FOLLOWS:

- UP TO 1.5 HA CATCHMENT - 1 DECANT
- 1.5-3.0 HA CATCHMENT - 2 DECANTS
- 3 TO 5 HA CATCHMENT - 3 DECANTS



SEDIMENT RETENTION POND - DECANT DETAIL

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R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

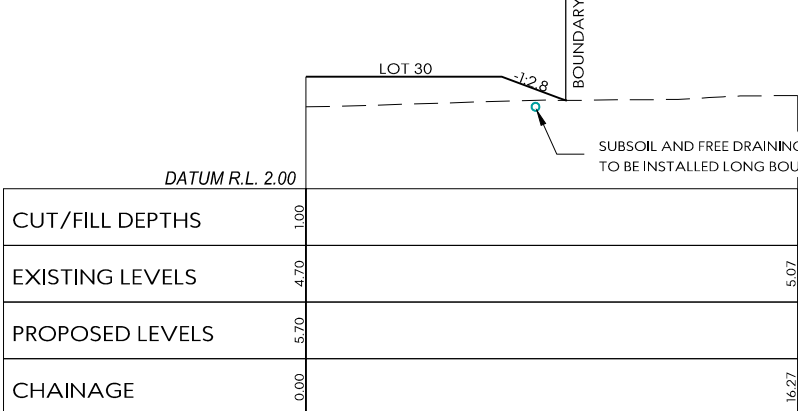
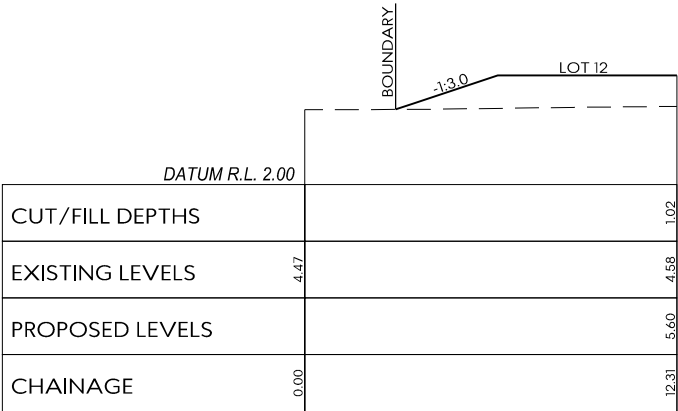
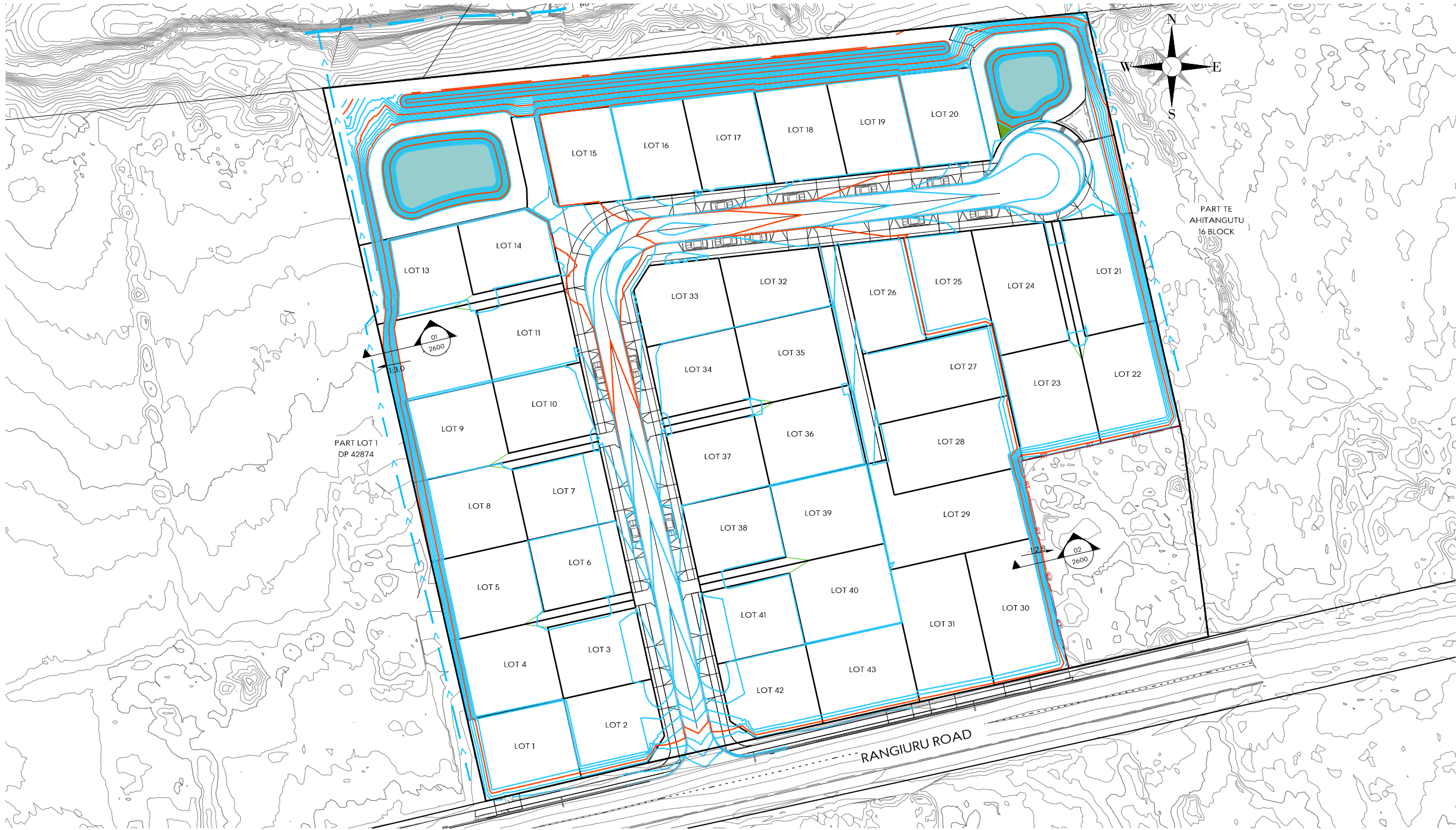
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STANDARD DETAILS - SHEET 2

ENVELOPE
W W W . E N V E L O P E . E N G . C O . N Z

DESIGNED: LTL
CHECKED: KD
SCALE A1: NOT TO SCALE
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: MJP
PLOT DATE: 24-02-2026
SCALE A3:
DRAWING No: 2401

REVISION:
R1



- LEGEND:
- EXISTING GROUND LEVEL
 - PROPOSED FINISHED GROUND LEVEL

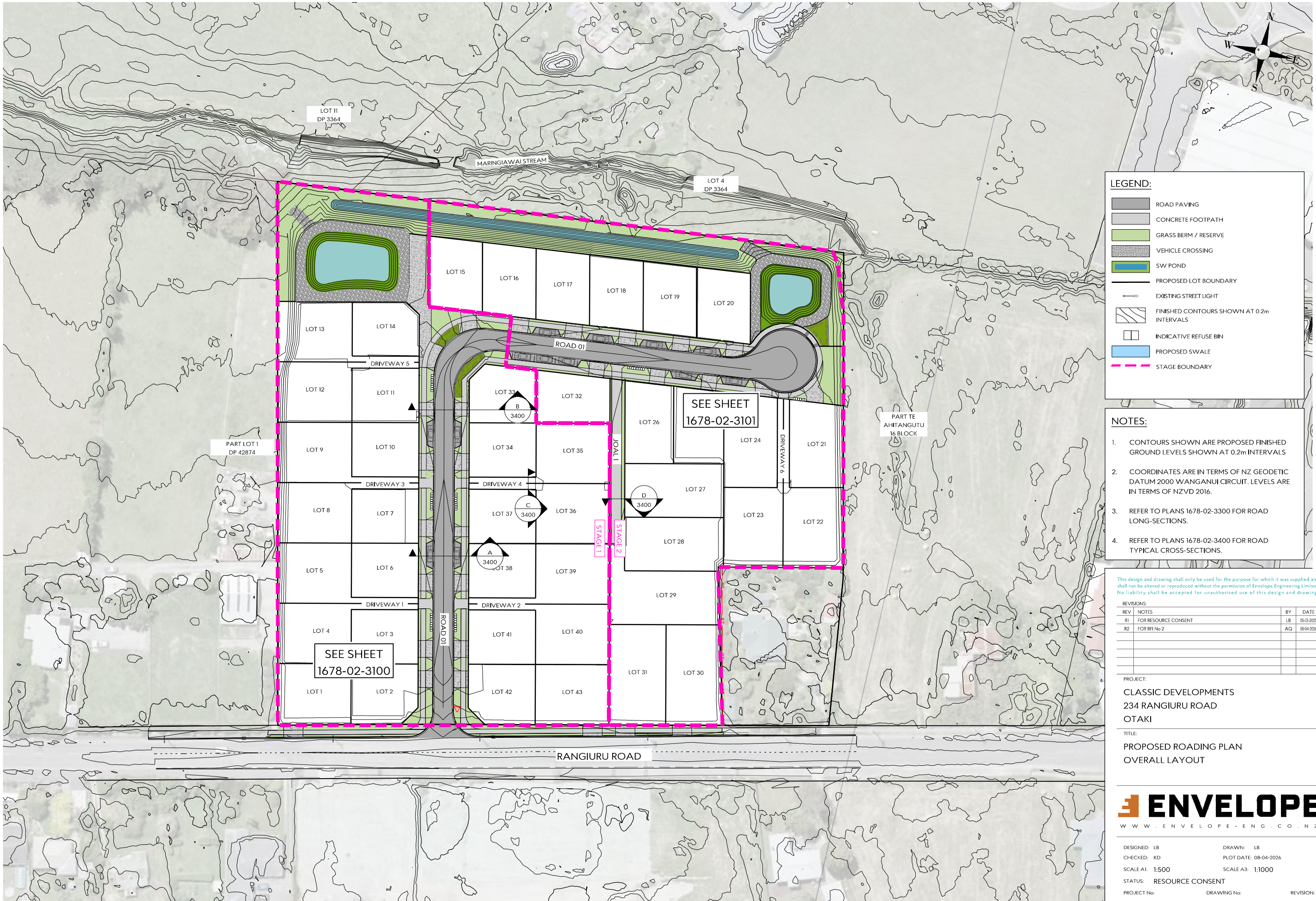
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REVISIONS:		BY	DATE
REV	NOTES		
R1	RPT'S 1	LB	24-02-2026
R2	FOR RPT 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI
TITLE:
EARTHWORKS LONG SECTIONS



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 08-04-2026
SCALE A1: 1:500	SCALE A3: 1:1000
STATUS: RESOURCE CONSENT	
PROJECT No:	DRAWING No:
1678-02	2600
	R2



LEGEND:

- ROAD PAVING
- CONCRETE FOOTPATH
- GRASS BERM / RESERVE
- VEHICLE CROSSING
- SW POND
- PROPOSED LOT BOUNDARY
- EXISTING STREET LIGHT
- FINISHED CONTOURS SHOWN AT 0.2m INTERVALS
- INDICATIVE REFUSE BIN
- PROPOSED SWALE
- STAGE BOUNDARY

NOTES:

- CONTOURS SHOWN ARE PROPOSED FINISHED GROUND LEVELS SHOWN AT 0.2m INTERVALS
- COORDINATES ARE IN TERMS OF NZ GEODETIC DATUM 2000 WANGANUI CIRCUIT. LEVELS ARE IN TERMS OF NZVD 2016.
- REFER TO PLANS 1678-02-3300 FOR ROAD LONG-SECTIONS.
- REFER TO PLANS 1678-02-3400 FOR ROAD TYPICAL CROSS-SECTIONS.

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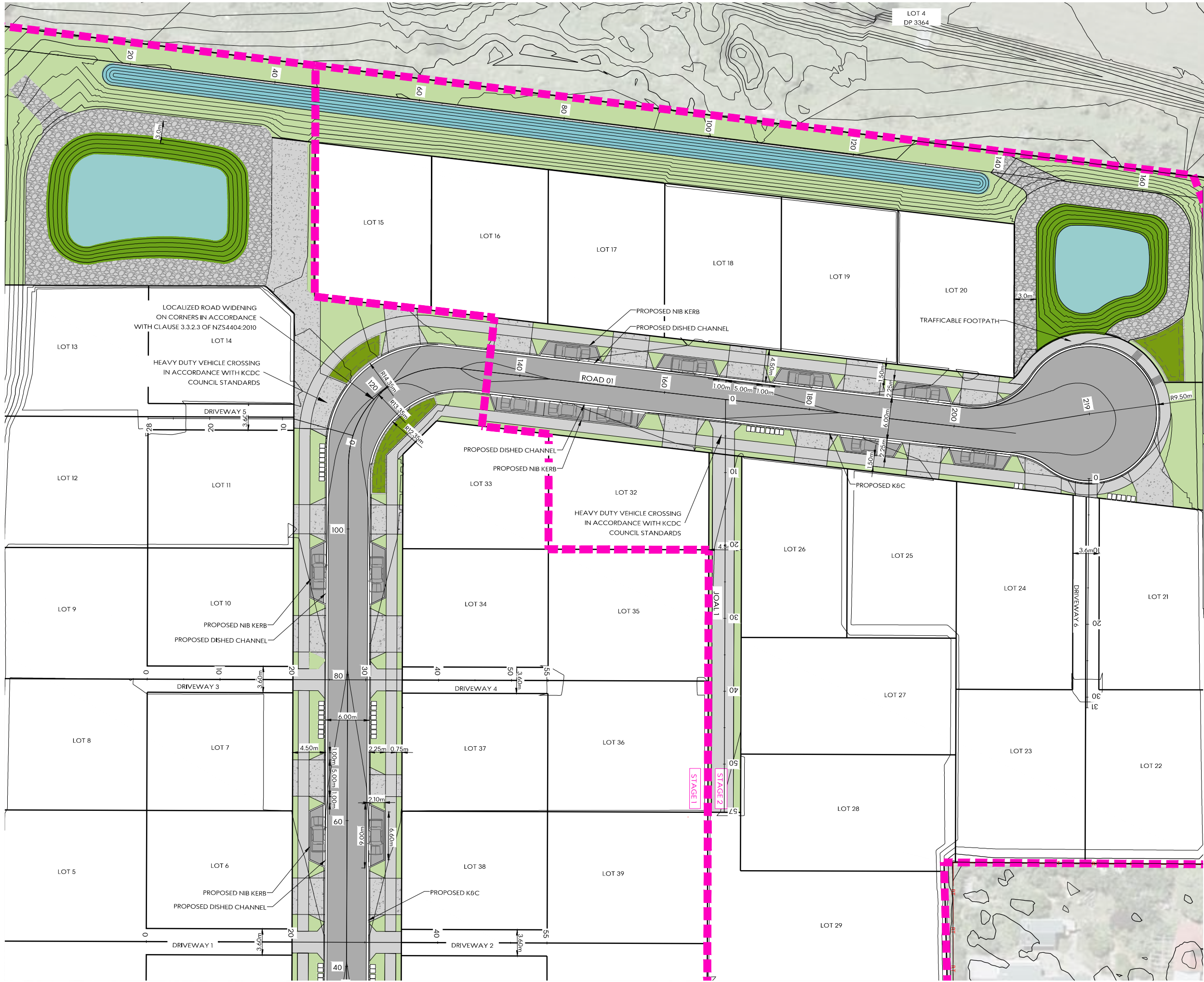
REVISIONS:		BY	DATE
REV	NOTES	LB	05-12-2025
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI

TITLE:
PROPOSED ROADING PLAN
OVERALL LAYOUT

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LB
CHECKED: KD
SCALE A1: 1:500
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02
DRAWING No: 3000
REVISION: R2



LEGEND:

- ROAD PAVING
- CONCRETE FOOTPATH
- GRASS BERM / RESERVE
- VEHICLE CROSSING
- SW POND
- PROPOSED LOT BOUNDARY
- EXISTING STREET LIGHT
- FINISHED CONTOURS SHOWN AT 0.2m INTERVALS
- INDICATIVE REFUSE BIN
- PROPOSED SWALE
- STAGE BOUNDARY

- NOTES:**
- CONTOURS SHOWN ARE PROPOSED FINISHED GROUND LEVELS SHOWN AT 0.2m INTERVALS
 - COORDINATES ARE IN TERMS OF NZ GEODETIC DATUM 2000 WANGANUI CIRCUIT. LEVELS ARE IN TERMS OF NZVD 2016.
 - REFER TO PLANS 1678-02-3300 FOR ROAD LONG-SECTIONS.
 - REFER TO PLANS 1678-02-3400 FOR ROAD TYPICAL CROSS-SECTIONS.

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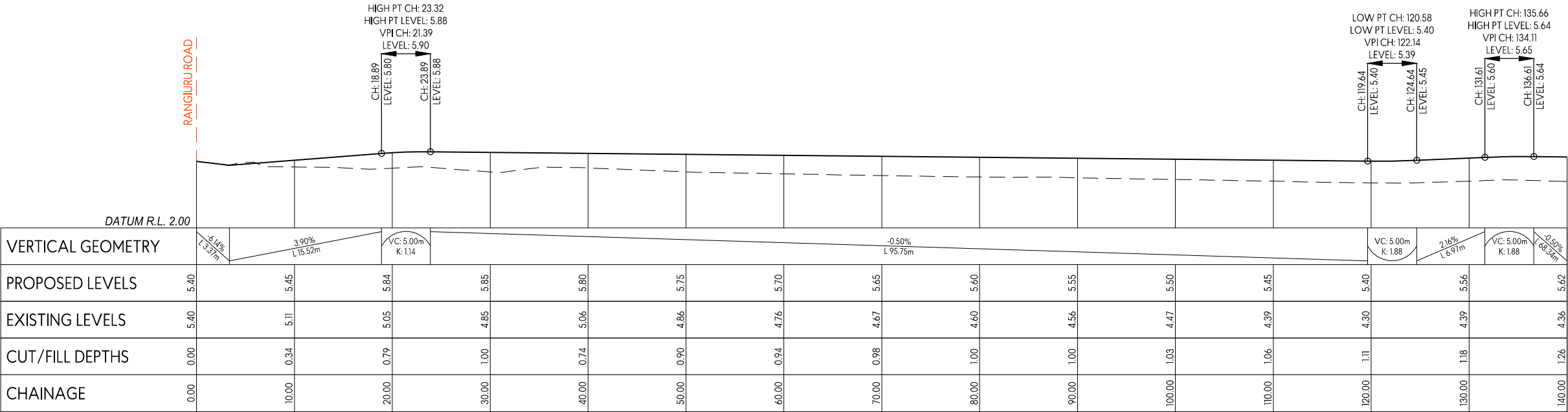
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

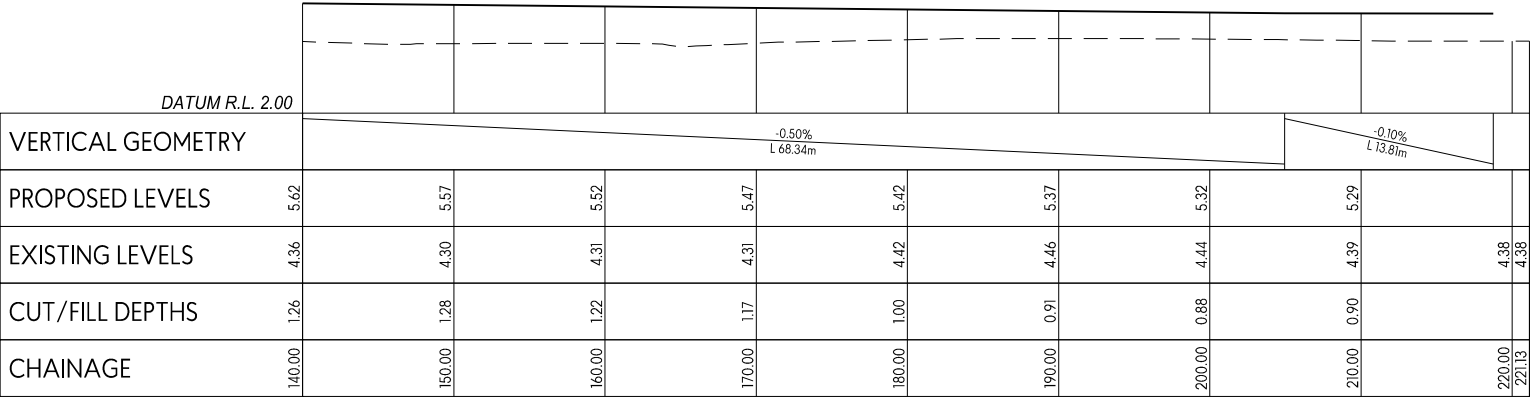
TITLE:
PROPOSED ROADING PLAN
DETAIL LAYOUT PLAN
SHEET 2 OF 2

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

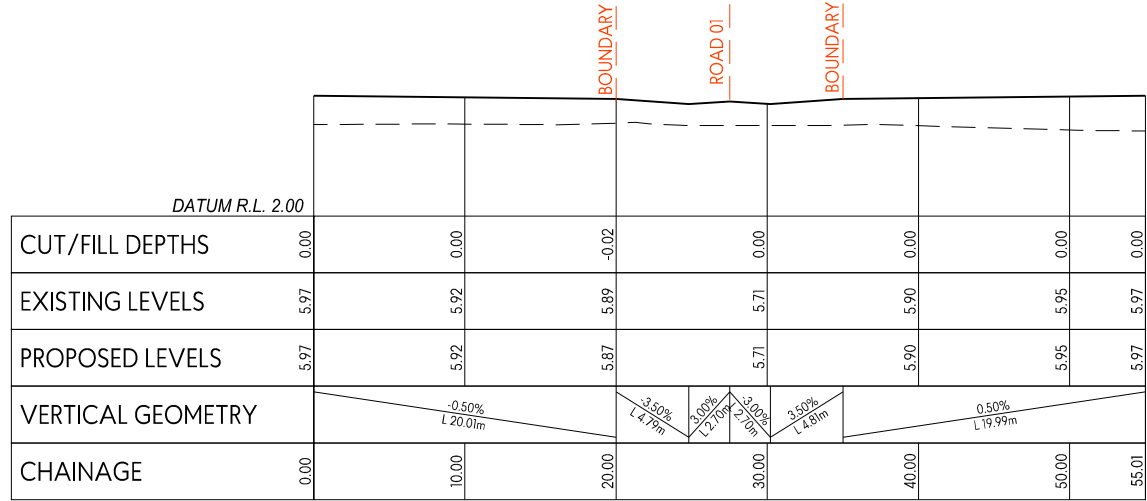
DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 08-04-2026
SCALE A1: 1:250	SCALE A3: 1:500
STATUS: RESOURCE CONSENT	
PROJECT No:	DRAWING No:
1678-02	3101
	REVISION: R2



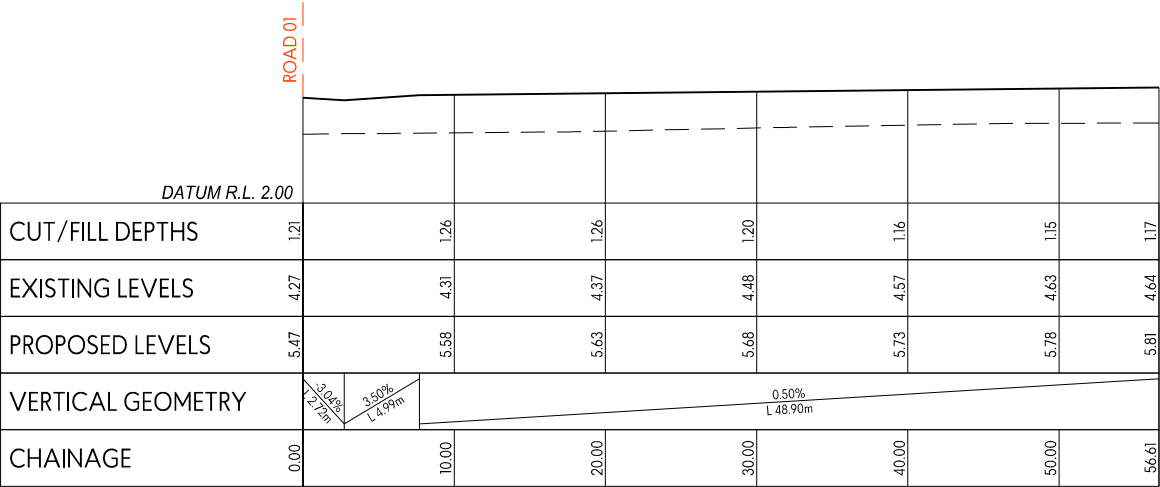
ROAD 01



ROAD 01



DRIVEWAY 1 & 2



JOAL 1

LEGEND:

- EXISTING GROUND LEVEL
- PROPOSED FINISHED GROUND LEVEL

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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:

CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:

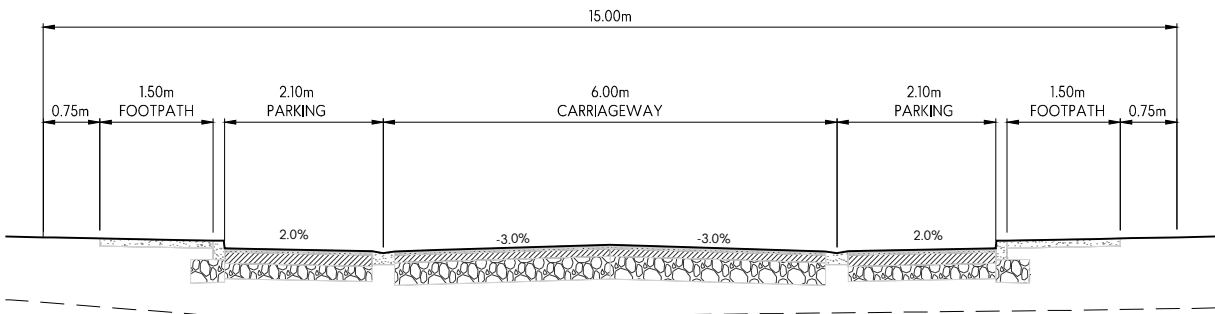
PROPOSED ROADING
LONG SECTIONS



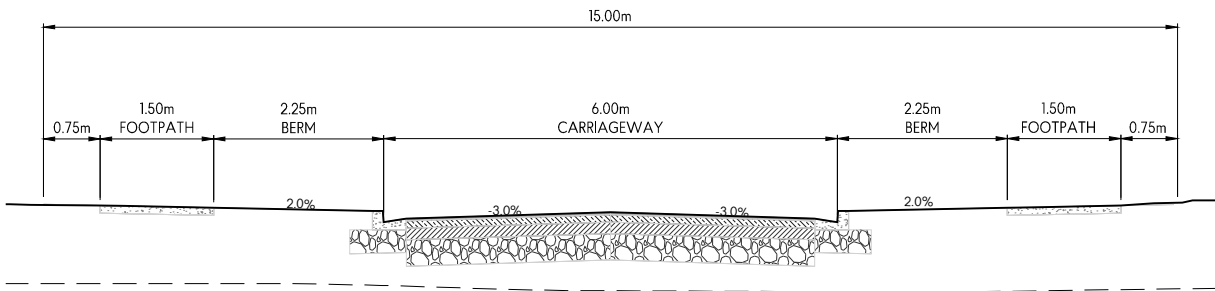
DESIGNED: LB
CHECKED: KD
SCALE A1: 1:250
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: LB
PLOT DATE: 24-02-2026
SCALE A3: 1:500
DRAWING No: 3300

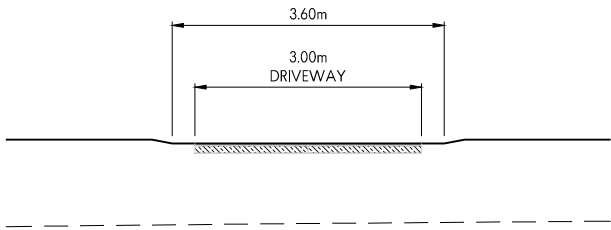
REVISION: R1



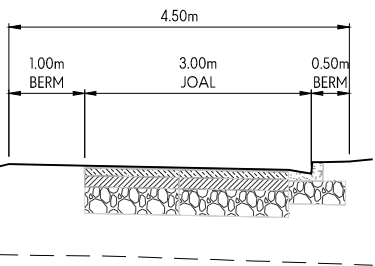
A TYPICAL CROSS-SECTION ROAD 01 - PARKING
3000 Scale: 1:50 @ A1



B TYPICAL CROSS-SECTION ROAD 01 - BERM
3000 Scale: 1:50 @ A1



C TYPICAL CROSS SECTION DRIVEWAY
3000 Scale: 1:50 @ A1



D TYPICAL CROSS SECTION JOAL 1
3000 Scale: 1:50 @ A1

LEGEND:
--- EXISTING GROUND LEVEL
— PROPOSED FINISHED GROUND LEVEL

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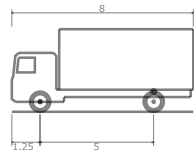
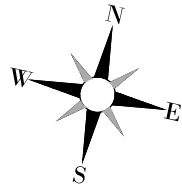
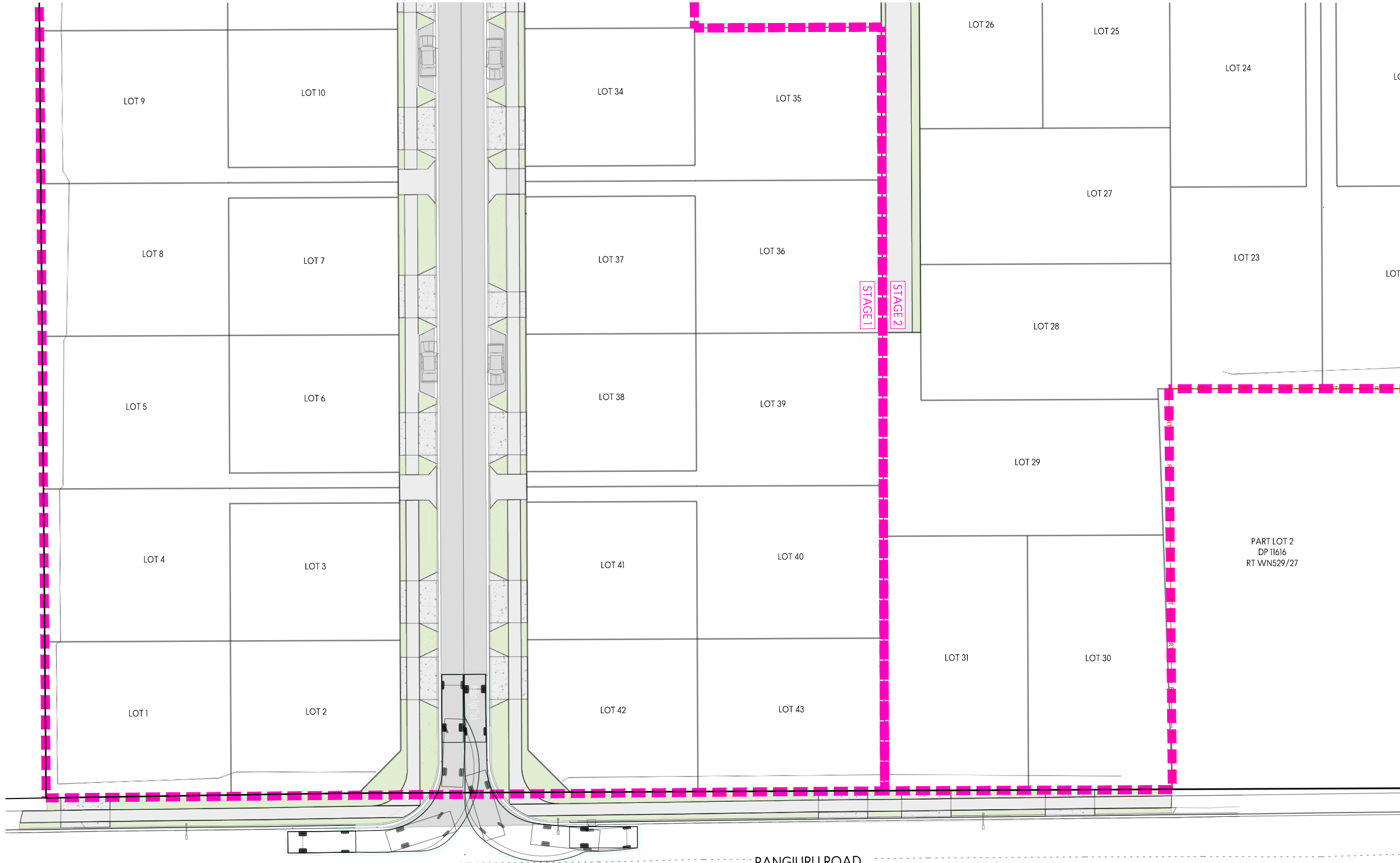
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED ROAD
ROAD & SHARED DRIVEWAY
CROSS SECTIONS



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 24-02-2026
SCALE A1: AS SHOWN	SCALE A3: 1/2 SHOWN
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 3400
	REVISION: R1



Medium Rigid Truck
Overall Length 8.000m
Overall Width 2.500m
Overall Body Height 3.632m
Min Body Ground Clearance 0.427m
Track Width 2.500m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 10.000m

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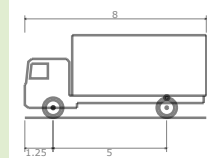
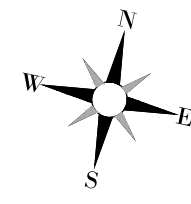
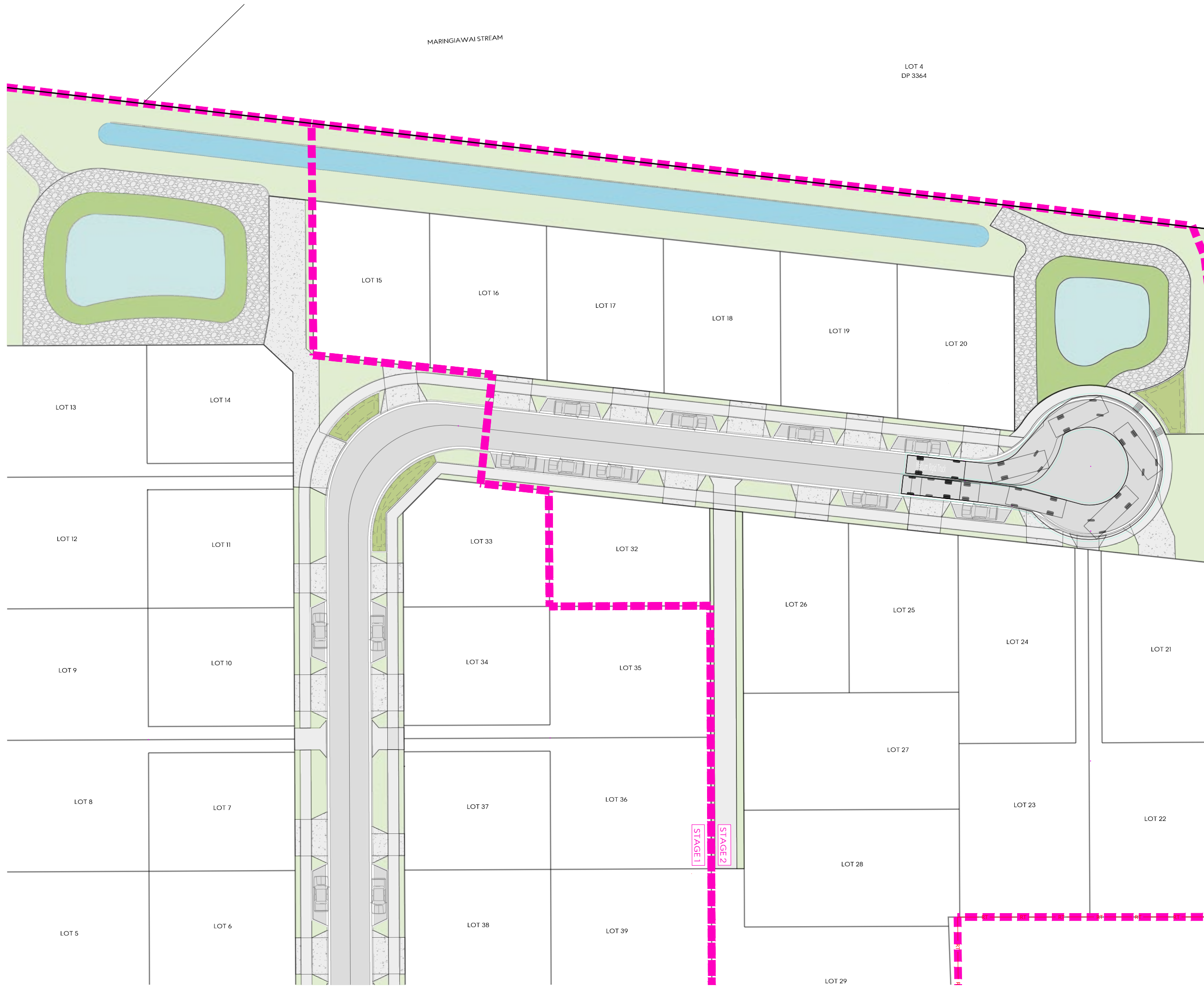
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORA ROAD
OTAKI

TITLE:
VEHICLE TRACKING
SHEET 1 OF 2



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 24-02-2026
SCALE A1: 1:250	SCALE A3: 1:500
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 3800
	REVISION: R1



Medium Rigid Truck
Overall Length 8.000m
Overall Width 2.500m
Overall Body Height 3.632m
Min Body Ground Clearance 0.427m
Track Width 2.500m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 10.000m

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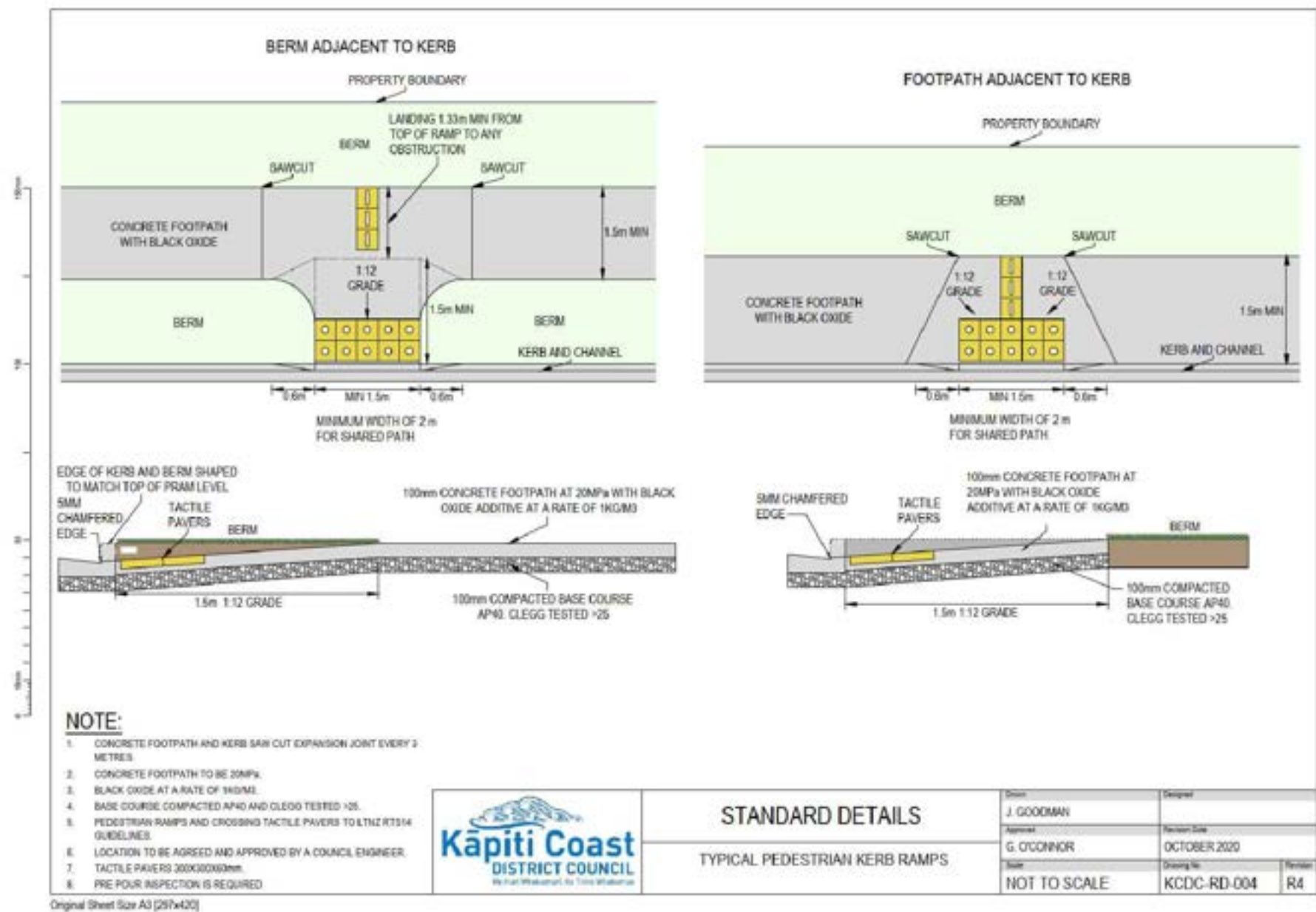
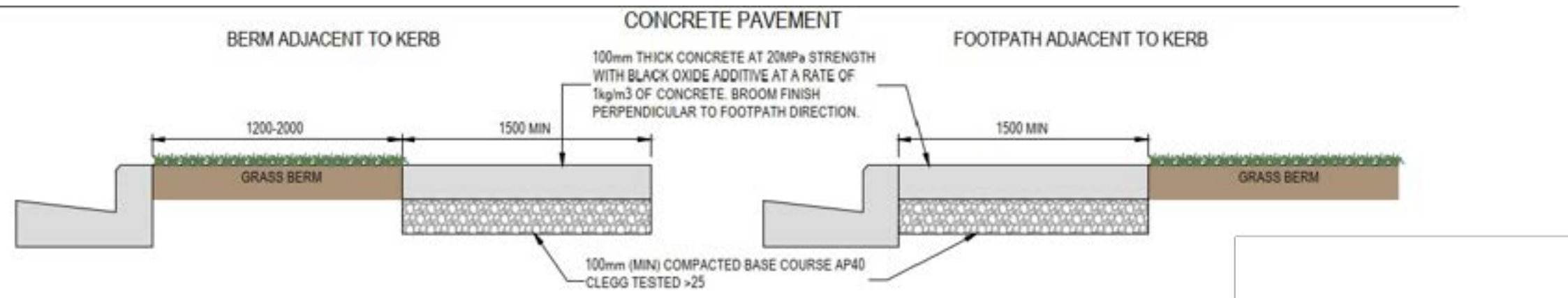
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
VEHICLE TRACKING
SHEET 2 OF 2



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 08-04-2026
SCALE A1: 1:250	SCALE A3: 1:500
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 3801
	REVISION: R2



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REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

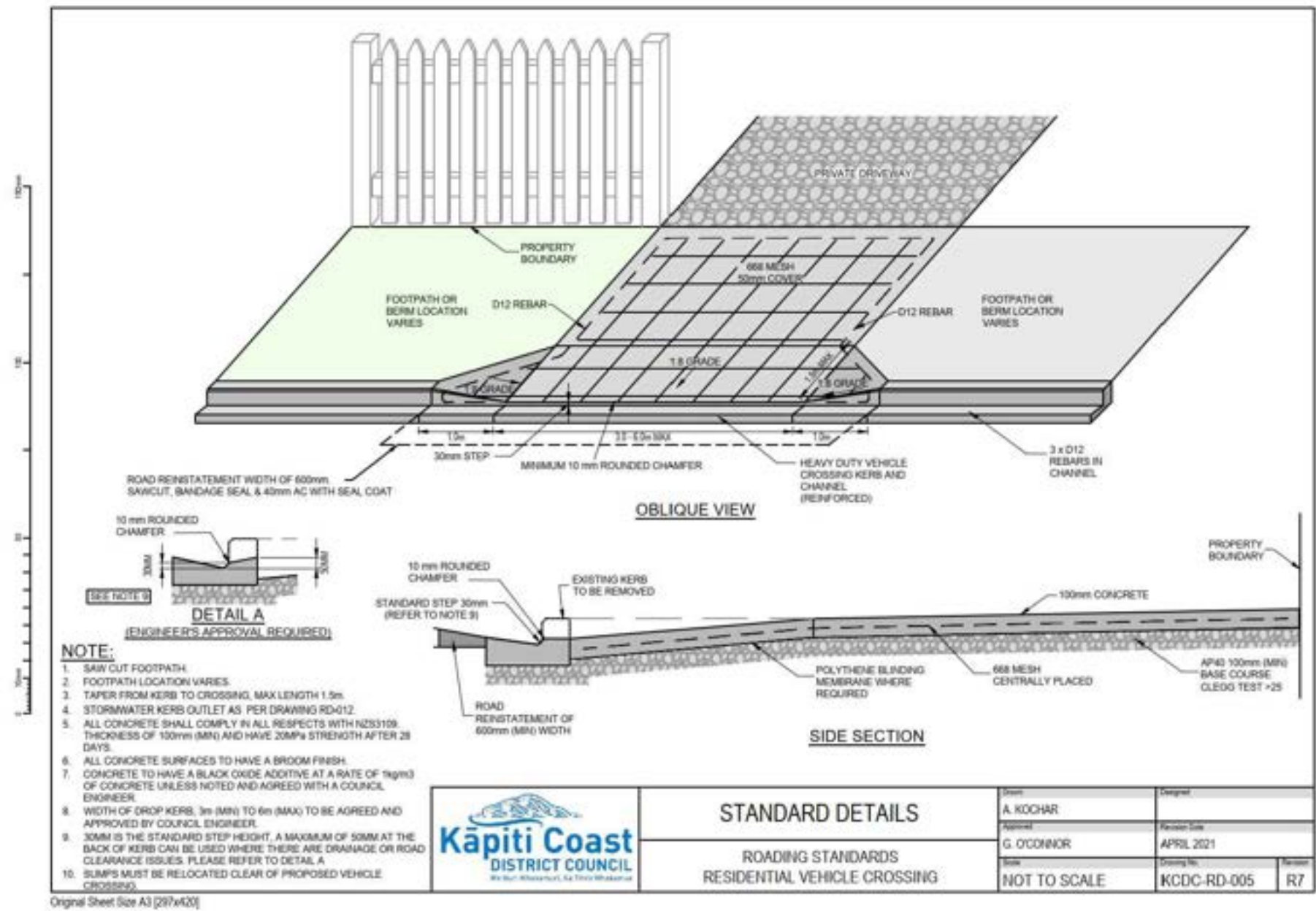
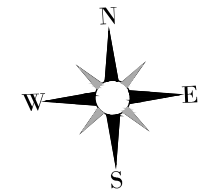
PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED ROADING PLAN
TYPICAL DETAILS
SHEET 2 OF 3

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LB
CHECKED: KD
SCALE A1: NTS
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: LB
PLOT DATE: 24-02-2026
SCALE A3: NTS
DRAWING No: 3901
REVISION: R1



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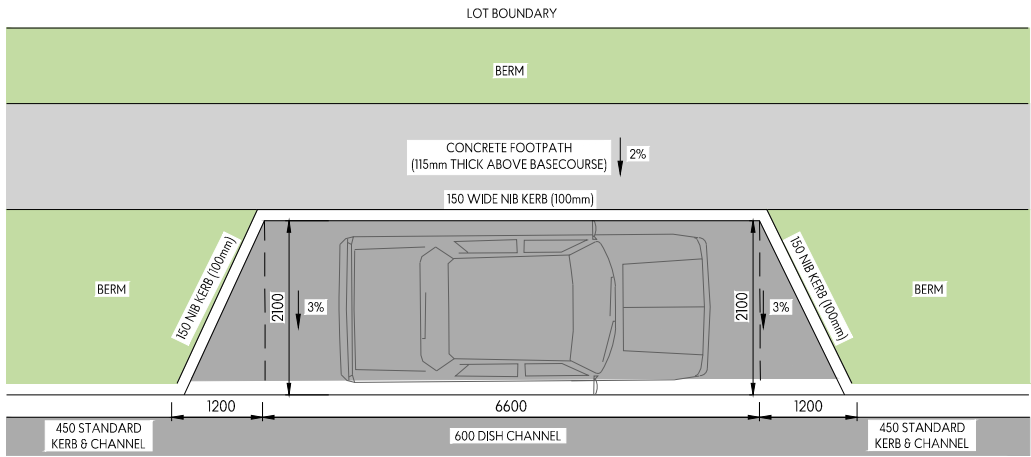
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

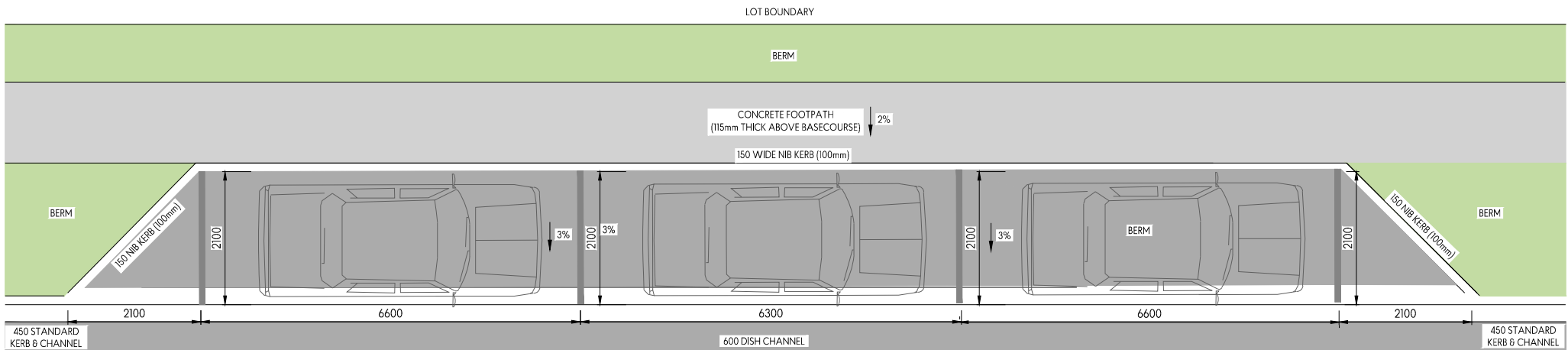
TITLE:
PROPOSED ROADING PLAN
TYPICAL DETAILS
SHEET 3 OF 3



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 24-02-2026
SCALE A1: NTS	SCALE A3: NTS
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 3902
	REVISION: R1



ROADSIDE SINGLE PARKING PLAN VIEW
SCALE: 1:50-A1
1:100-A3



ROADSIDE PARKING PLAN VIEW
SCALE: 1:50-A1
1:100-A3

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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

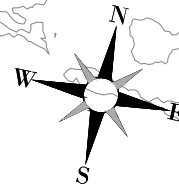
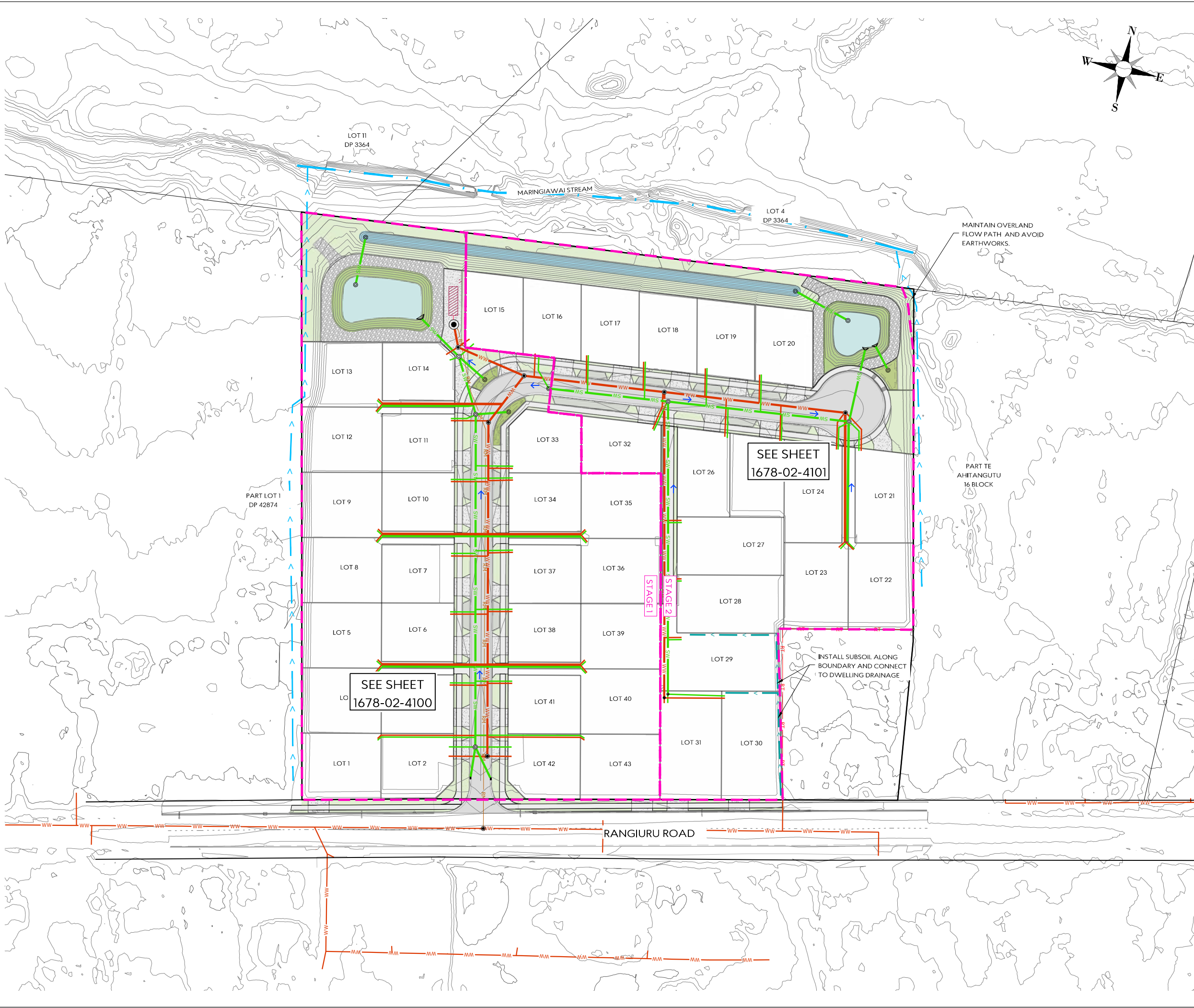
TITLE:
PROPOSED ROADSIDE PARKING
TYPICAL DETAILS



DESIGNED: LB
CHECKED: KD
SCALE A1: 1:50
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: LB
PLOT DATE: 24-02-2026
SCALE A3: 1:100
DRAWING No: 3903

REVISION: R1



LEGEND:

- SW (green line with circle) STORMWATER - PROPOSED
- Blue arrow STORMWATER OVERLAND FLOW PATH
- Green line STORMWATER CONNECTION
- Blue dashed line STORMWATER SUBSOIL
- WW (orange line with circle) WASTEWATER - EXISTING
- WW (orange line with circle) WASTEWATER - PROPOSED
- Orange line WASTEWATER CONNECTION
- Orange line RM INDICATED WASTEWATER - PRESSURE SEWER
- Blue line EXISTING WATERCOURSE
- Blue hatched box SUMP
- Blue hatched box MGL CONTOURS SHOWN AT 0.2m INTERVALS
- Blue box PROPOSED SWALE
- Blue dashed line OVERLAND FLOW PATH
- Pink dashed line STAGE BOUNDARY
- Green box PROPOSED RAINGARDEN

- NOTES:**
1. CONTOURS SHOWN ARE PROPOSED FINISHED GROUND LEVELS AND ARE SHOWN AT 0.2m INTERVALS
 2. LEVELS ARE IN TERMS OF NZVD 2016, NZGD2000 / WANGANUI CIRCUIT 2000.
 3. REFER TO PLANS 1678-01-4200 FOR STORMWATER LONG-SECTIONS.
 4. REFER TO PLANS 1678-01-4400 FOR WASTEWATER LONG-SECTIONS.
 4. ALL STORMWATER SINGLE SUMP LEADS TO BE SNI6 DN 225.
 5. ALL WASTEWATER PIPE TO BE PE100 (HPPE SDR 17.6) UNLESS OTHERWISE SHOWN.
 6. ALL WORKS TO BE IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL CODE OF PRACTICE, AND NZS4404:2010 AND LDMR SPECIFICATIONS UNLESS DETAILED OTHERWISE.
 7. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES.

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REVISIONS:		BY	DATE
REV	NOTES	LB	05-12-2025
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

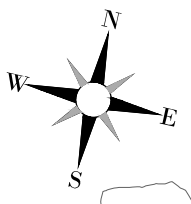
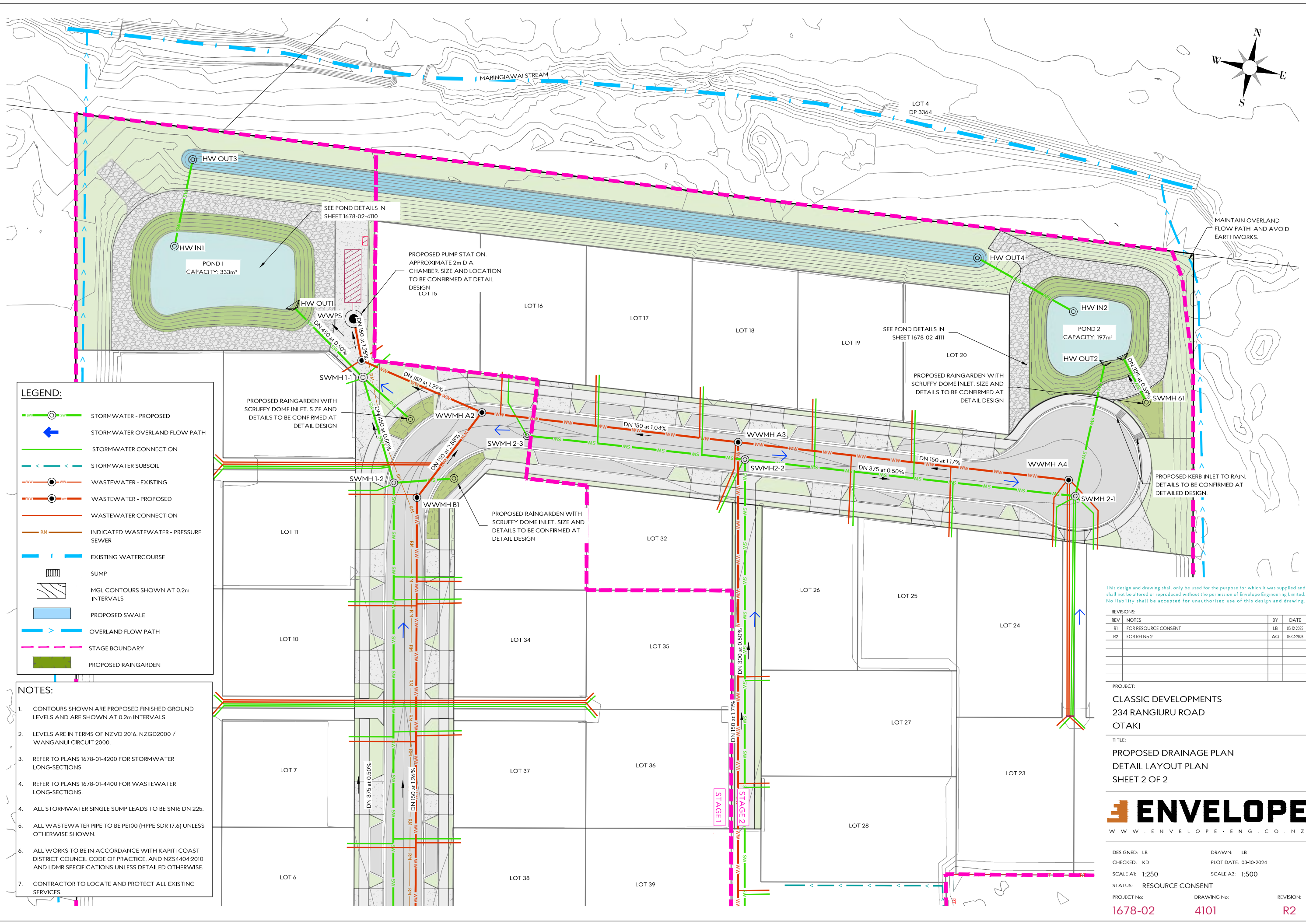
PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE PLAN
OVERALL LAYOUT



DESIGNED: LB	DRAWN: LB	REVISION:
CHECKED: KD	PLOT DATE: 05-12-2025	1678-02
SCALE A1: 1:500	SCALE A3: 1:1000	4000
STATUS: RESOURCE CONSENT	PROJECT No:	R2
PROJECT No:	DRAWING No:	





LEGEND:

- SW (green line with circle) STORMWATER - PROPOSED
- Blue arrow STORMWATER OVERLAND FLOW PATH
- Green line STORMWATER CONNECTION
- Blue dashed line STORMWATER SUBSOIL
- WW (red line with circle) WASTEWATER - EXISTING
- Red line WASTEWATER - PROPOSED
- Red line WASTEWATER CONNECTION
- RM (orange line) INDICATED WASTEWATER - PRESSURE SEWER
- Blue line EXISTING WATERCOURSE
- Sump symbol SUMP
- MGL Contours symbol MGL CONTOURS SHOWN AT 0.2m INTERVALS
- Blue rectangle PROPOSED SWALE
- Blue dashed line OVERLAND FLOW PATH
- Magenta dashed line STAGE BOUNDARY
- Green rectangle PROPOSED RAINGARDEN

- NOTES:**
1. CONTOURS SHOWN ARE PROPOSED FINISHED GROUND LEVELS AND ARE SHOWN AT 0.2m INTERVALS
 2. LEVELS ARE IN TERMS OF NZVD 2016. NZGD2000 / WANGANUI CIRCUIT 2000.
 3. REFER TO PLANS 1678-01-4200 FOR STORMWATER LONG-SECTIONS.
 4. REFER TO PLANS 1678-01-4400 FOR WASTEWATER LONG-SECTIONS.
 4. ALL STORMWATER SINGLE SUMP LEADS TO BE SNI6 DN 225.
 5. ALL WASTEWATER PIPE TO BE PE100 (HPPE SDR 17.6) UNLESS OTHERWISE SHOWN.
 6. ALL WORKS TO BE IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL CODE OF PRACTICE, AND NZS4404:2010 AND LDMR SPECIFICATIONS UNLESS DETAILED OTHERWISE.
 7. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES.

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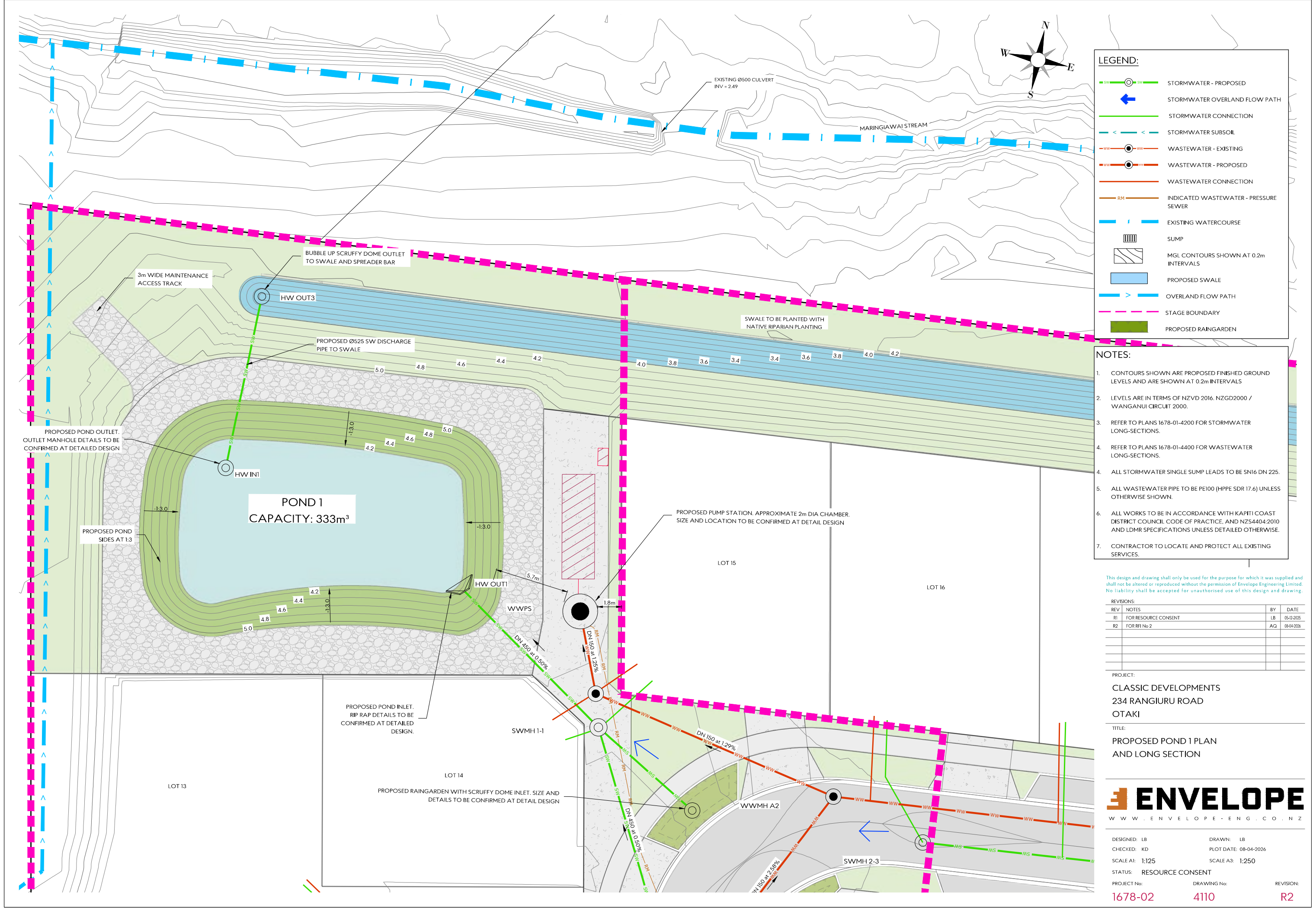
REVISIONS:		BY	DATE
REV	NOTES	LB	05-12-2025
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

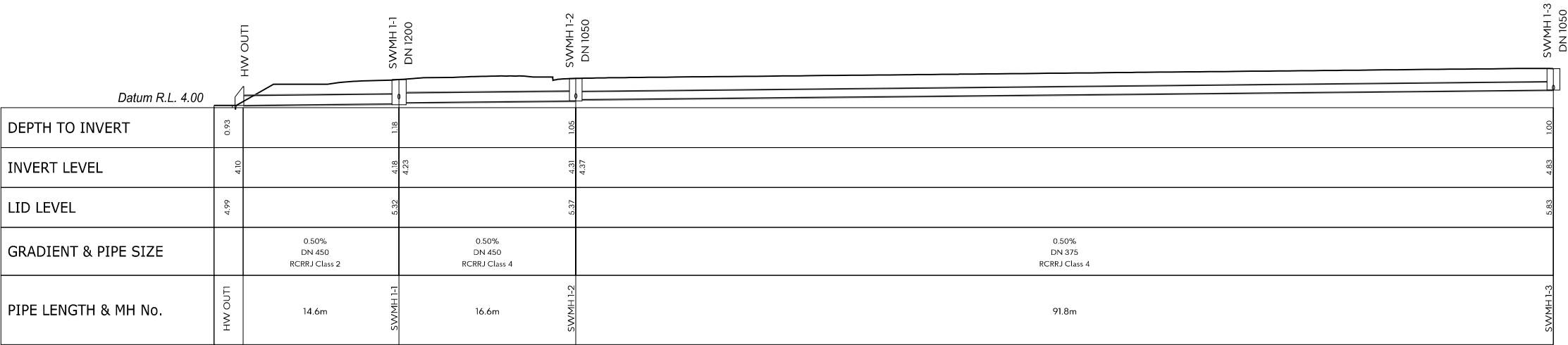
TITLE:
PROPOSED DRAINAGE PLAN
DETAIL LAYOUT PLAN
SHEET 2 OF 2



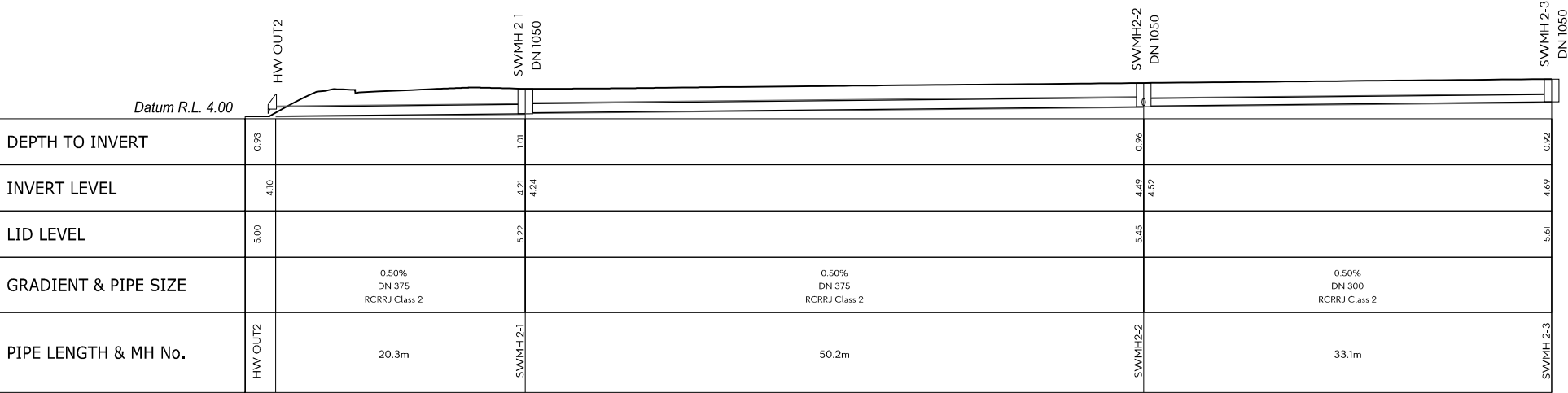
DESIGNED: LB	DRAWN: LB	REVISION:
CHECKED: KD	PLOT DATE: 03-10-2024	
SCALE A1: 1:250	SCALE A3: 1:500	
STATUS: RESOURCE CONSENT		
PROJECT No: 1678-02	DRAWING No: 4101	REVISION: R2



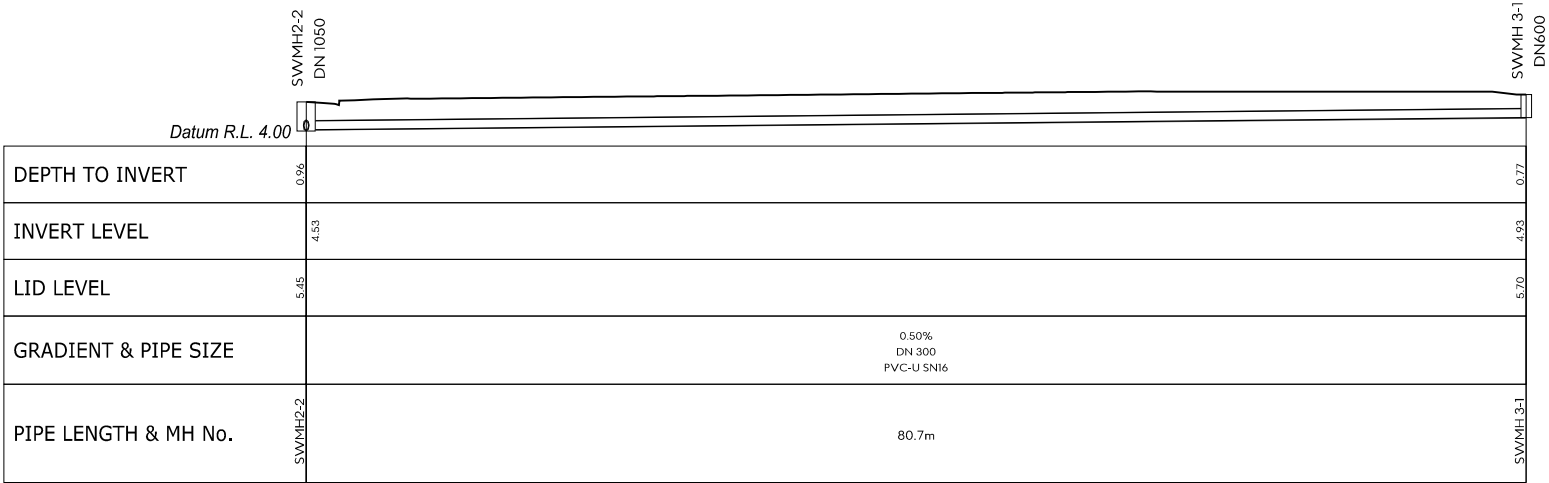




SW LINE 1



SW LINE 2



SW LINE 3

LEGEND:
PROPOSED FINISHED GROUND LEVEL

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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

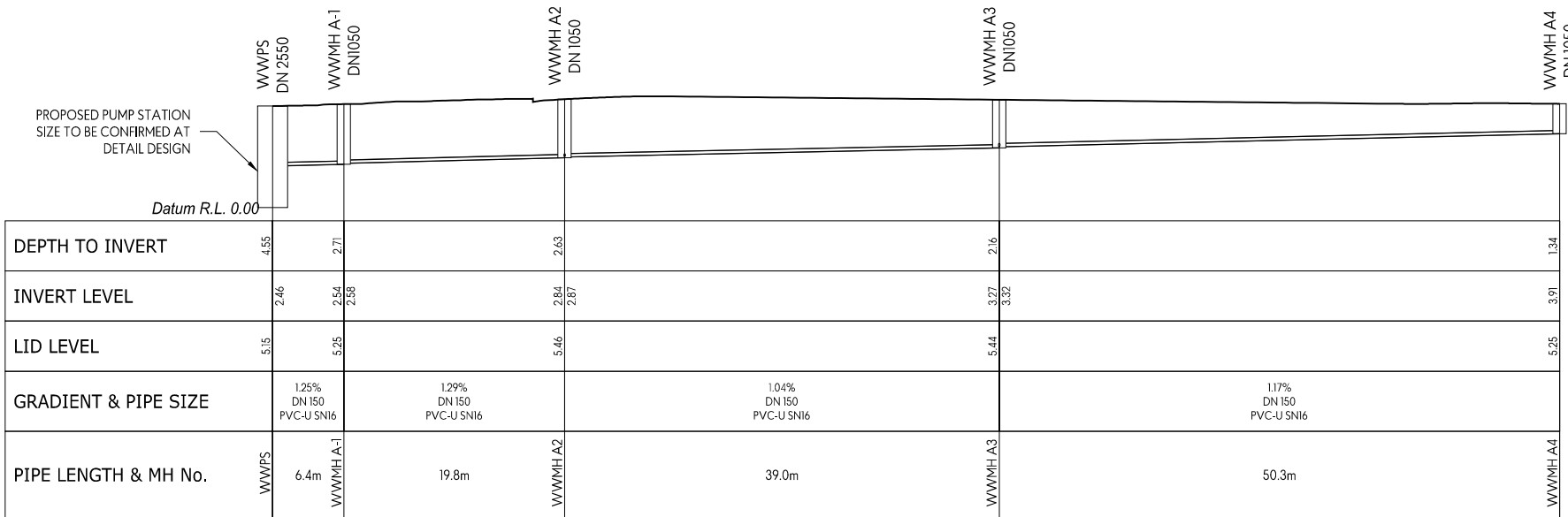
TITLE:
PROPOSED DRAINAGE
SW LONG SECTION



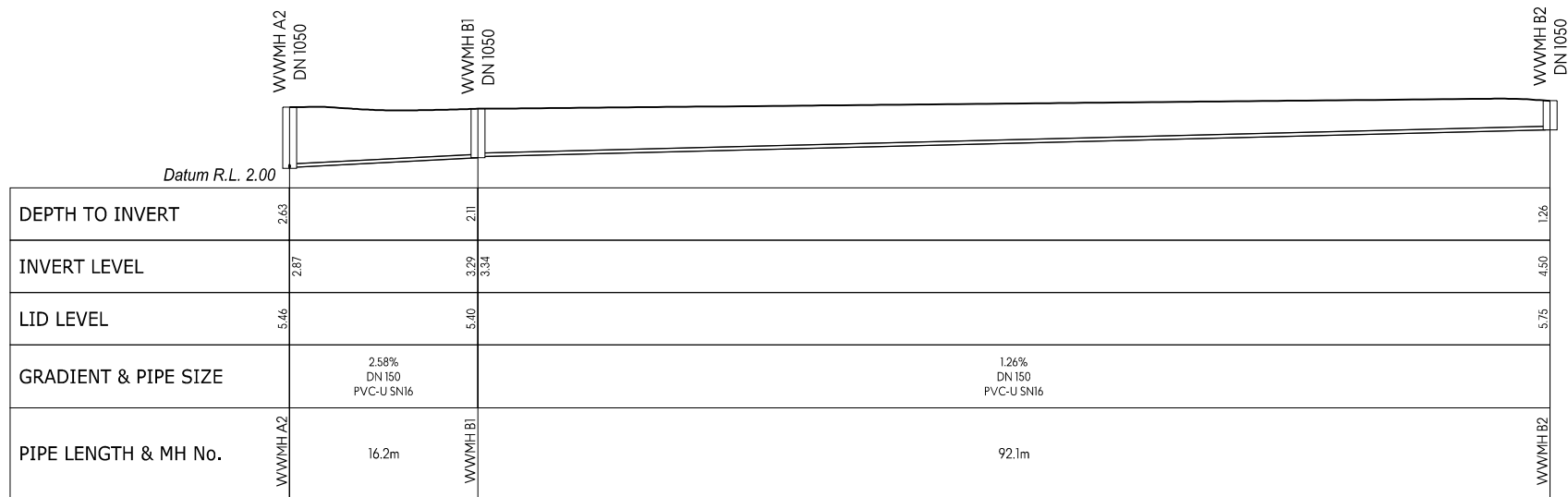
DESIGNED: LB
CHECKED: KD
SCALE A1: 1:250
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02

DRAWN: LB
PLOT DATE: 03-10-2024
SCALE A3: 1:500
DRAWING No: 4200

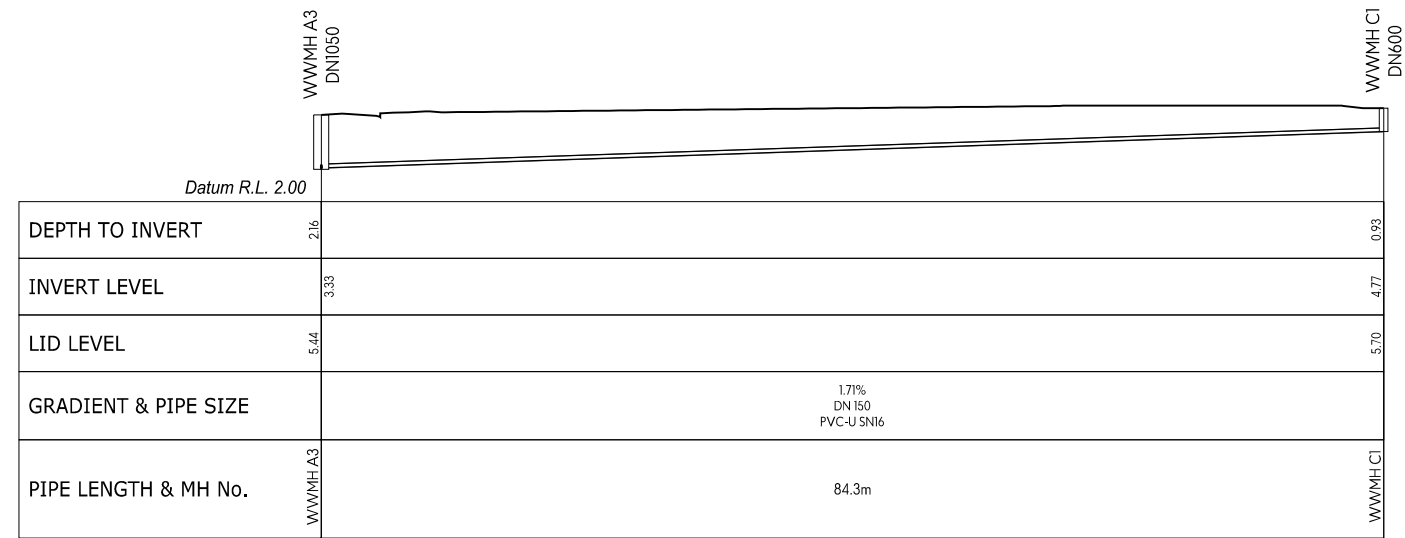
REVISION:
R2



WW LINE A



WW LINE B



WW LINE C

LEGEND:
PROPOSED FINISHED GROUND LEVEL

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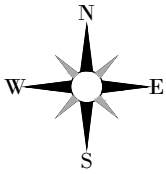
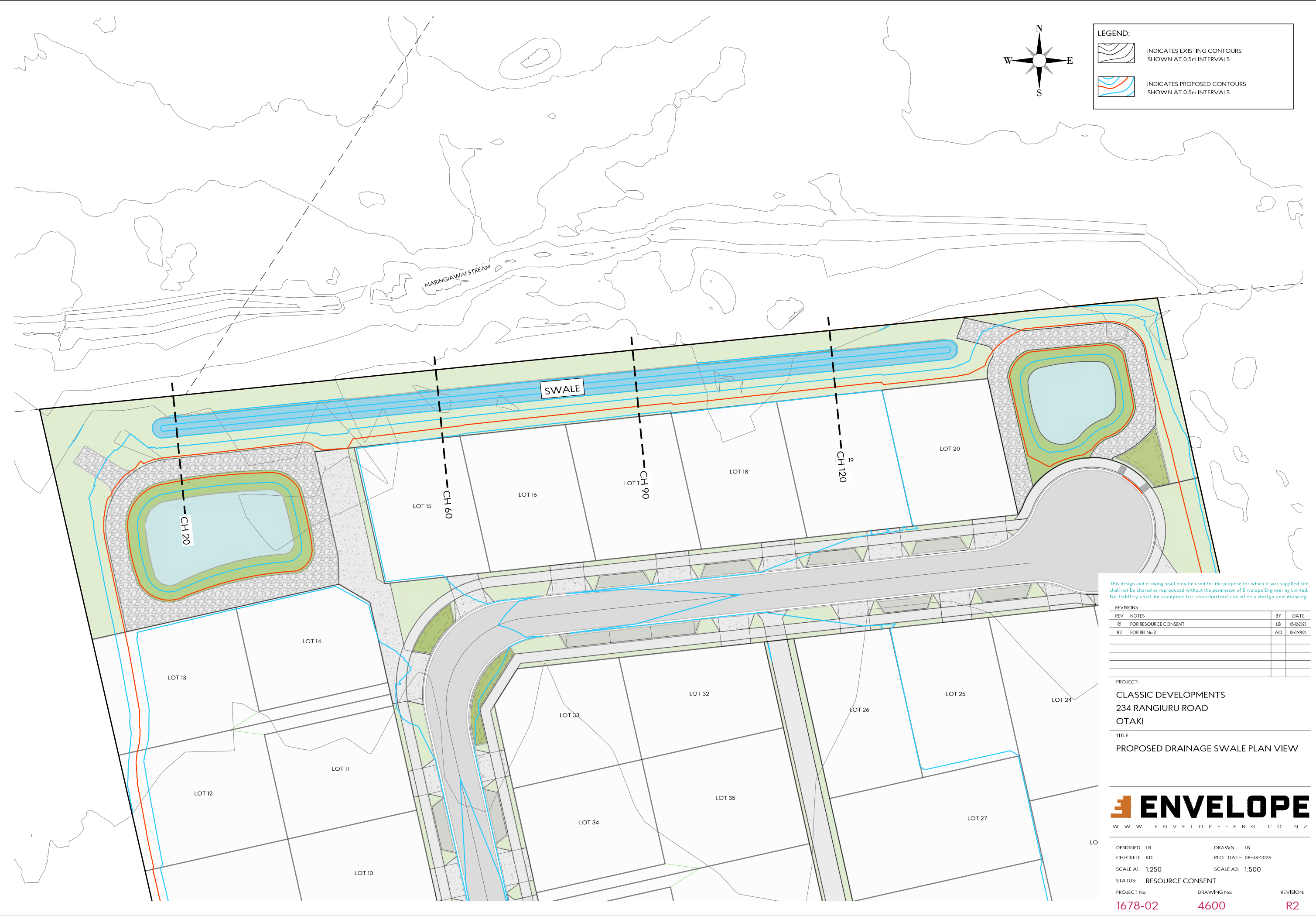
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE
WW LONG SECTIONS



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 03-10-2024
SCALE A1: 1:300	SCALE A3: 1:600
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 4400
	REVISION: R1



LEGEND:



INDICATES EXISTING CONTOURS
SHOWN AT 0.5m INTERVALS



INDICATES PROPOSED CONTOURS
SHOWN AT 0.5m INTERVALS

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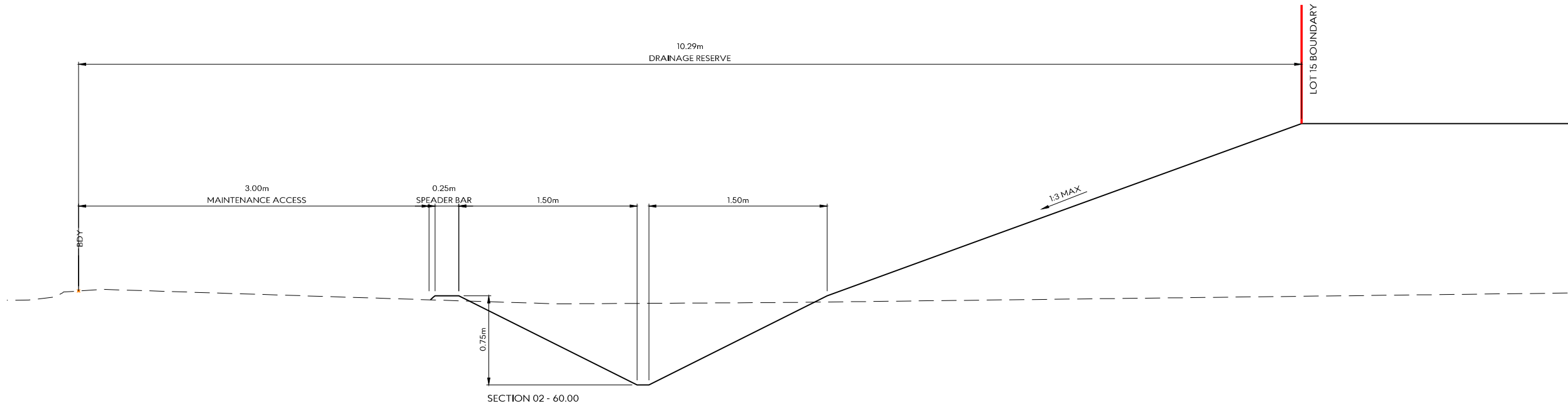
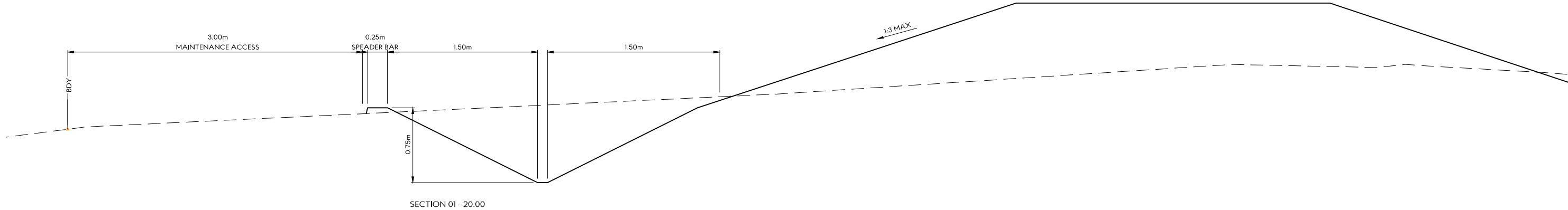
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE SWALE PLAN VIEW



DESIGNED: LB	DRAWN: LB	REVISION:
CHECKED: KD	PLOT DATE: 08-04-2026	1678-02
SCALE A1: 1:250	SCALE A3: 1:500	4600
STATUS: RESOURCE CONSENT	PROJECT No:	R2
	DRAWING No:	



- LEGEND:
- EXISTING GROUND LEVEL
 - PROPOSED FINISHED GROUND LEVEL

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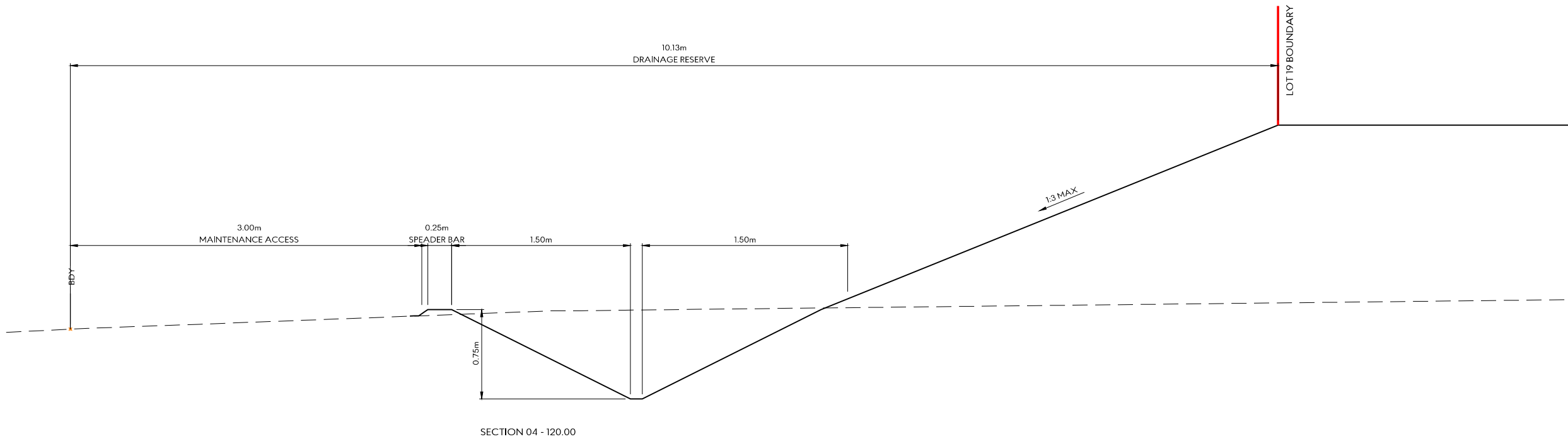
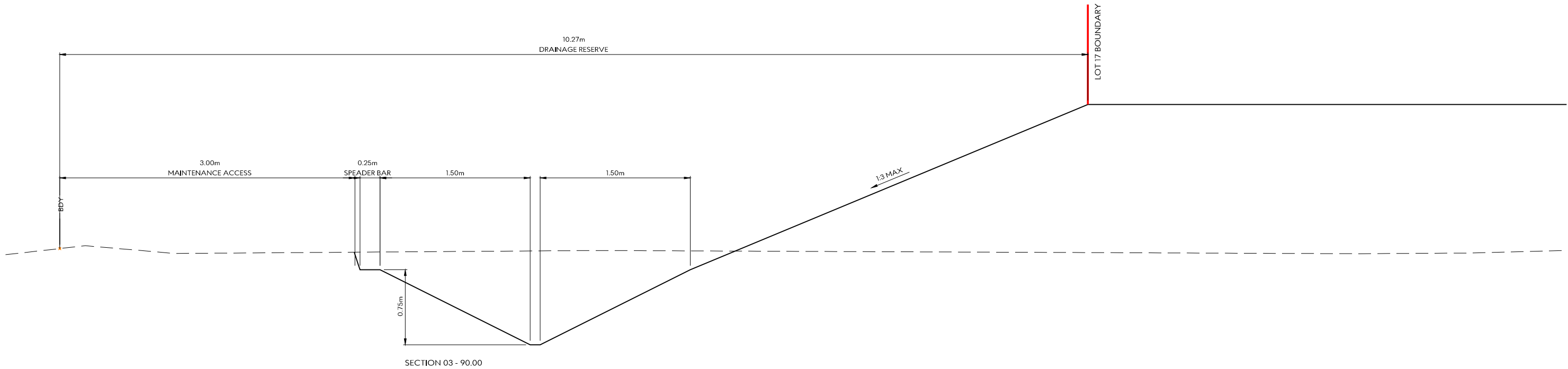
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	RPT's 1 PROPOSED LOT BDY ADDED	LB	24-02-2026
R3	FOR RFI No 2	AQ	06-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE SWALE X-SECTIONS
SHEET 1 OF 2



DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 08-04-2026
SCALE A1: 1:20	SCALE A3: 1:40
STATUS: RESOURCE CONSENT	
PROJECT No: 1678-02	DRAWING No: 4601
REVISION: R3	



- LEGEND:
- EXISTING GROUND LEVEL
 - PROPOSED FINISHED GROUND LEVEL

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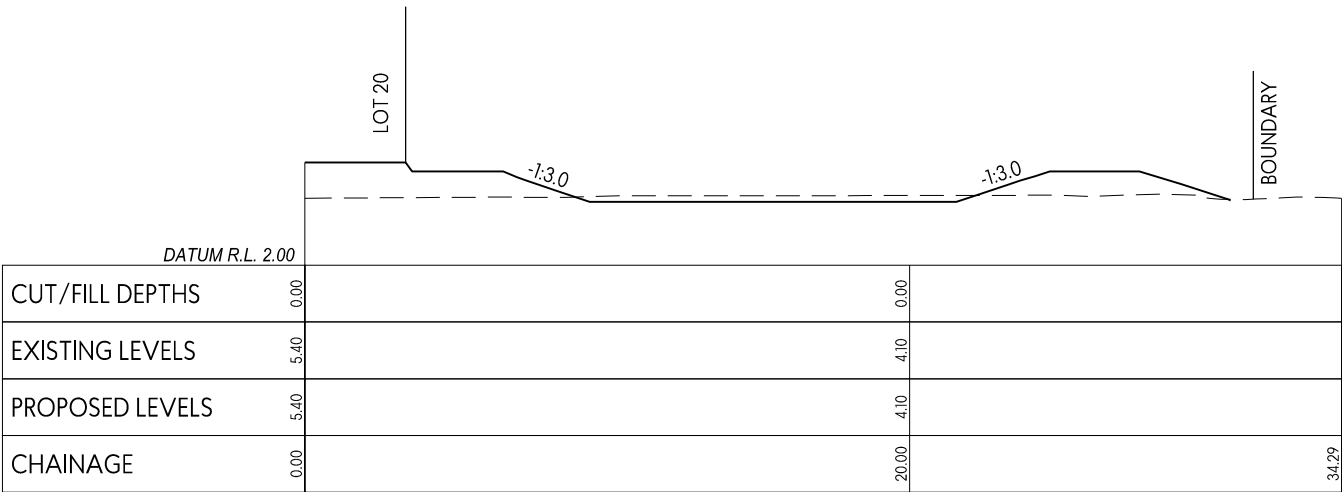
REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RFI No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE SWALE X-SECTIONS
SHEET 2 OF 2



DESIGNED: LB	DRAWN: LB	REVISION:
CHECKED: KD	PLOT DATE: 08-04-2026	
SCALE A1: 1:20	SCALE A3: 1:40	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1678-02	4602	R1



POND 2 - CROSS-SECTION 01

LEGEND:

EXISTING GROUND LEVEL

—

PROPOSED FINISHED GROUND LEVEL

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REVISIONS:			
REV	NOTES	BY	DATE
R1	RFP's 1	LB	24-02-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE
LONG SECTION POND 2



DESIGNED: LB

CHECKED: KD

SCALE A1: 1:125

STATUS: RESOURCE CONSENT

PROJECT No: 1678-02

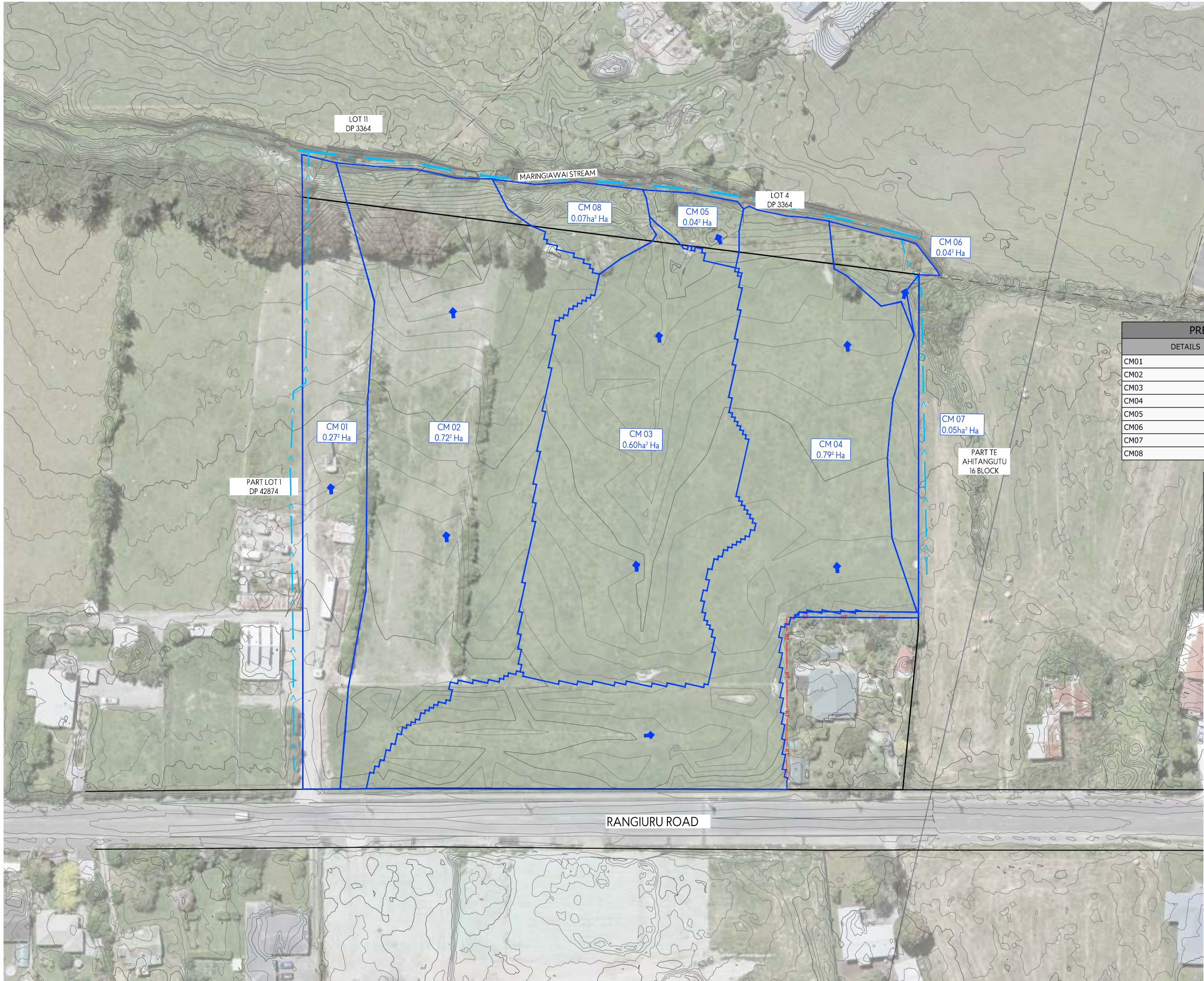
DRAWN: LB

PLOT DATE: 24-02-2026

SCALE A3: 1:250

DRAWING No: 4700

REVISION: R1



PRE DEVELOPMENT CATCHMENTS		
DETAILS	AREA	DISCHARGE
CM01	0.27 ha	WESTERN OLP
CM02	0.72 ha	SHEET FLOW TO STREAM
CM03	0.60 ha	SHEET FLOW TO STREAM
CM04	0.79 ha	SHEET FLOW TO STREAM
CM05	0.04 ha	STREAM
CM06	0.04 ha	STREAM
CM07	0.05 ha	EASTERN OLP
CM08	0.07 ha	STREAM

LEGEND:

STORMWATER OVERLAND FLOW PATH

EXISTING WATERCOURSE

OVERLAND FLOW PATH

EGL CONTOURS SHOWN AT 0.2m INTERVALS

EXISTING CATCHMENTS

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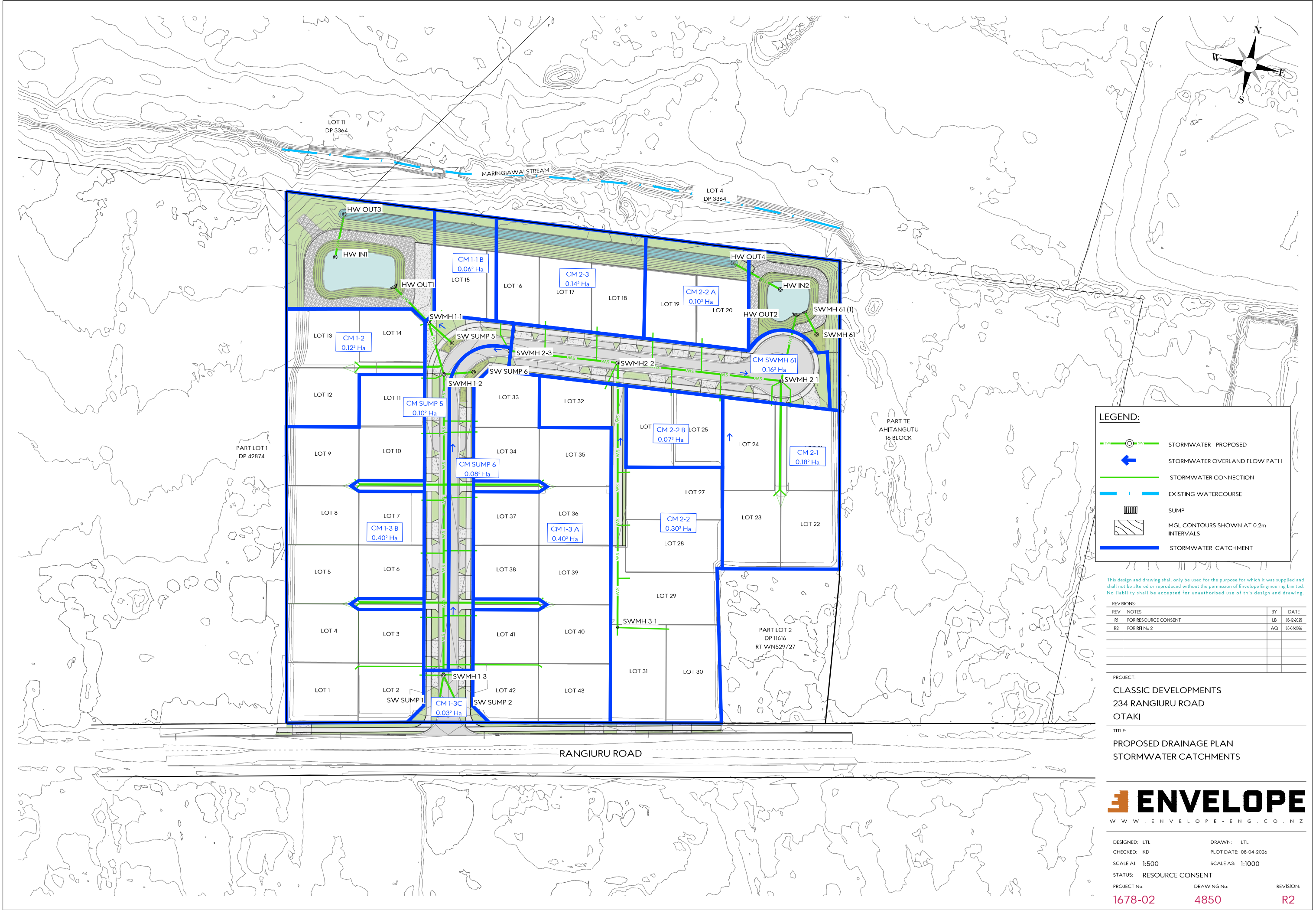
REVISIONS:		BY	DATE
REV	NOTES		
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI

TITLE:
EXISTING CATCHMENTS



DESIGNED: LTL	DRAWN: LTL	REVISION:
CHECKED: KD	PLOT DATE: 24-02-2026	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1678-02	4800	R1



LEGEND:

- SW — SWM — STORMWATER - PROPOSED
- ← STORMWATER OVERLAND FLOW PATH
- SWMH — STORMWATER CONNECTION
- EXISTING WATERCOURSE
- SWM SUMP SUMP
- MGL CONTOURS SHOWN AT 0.2m INTERVALS
- STORMWATER CATCHMENT

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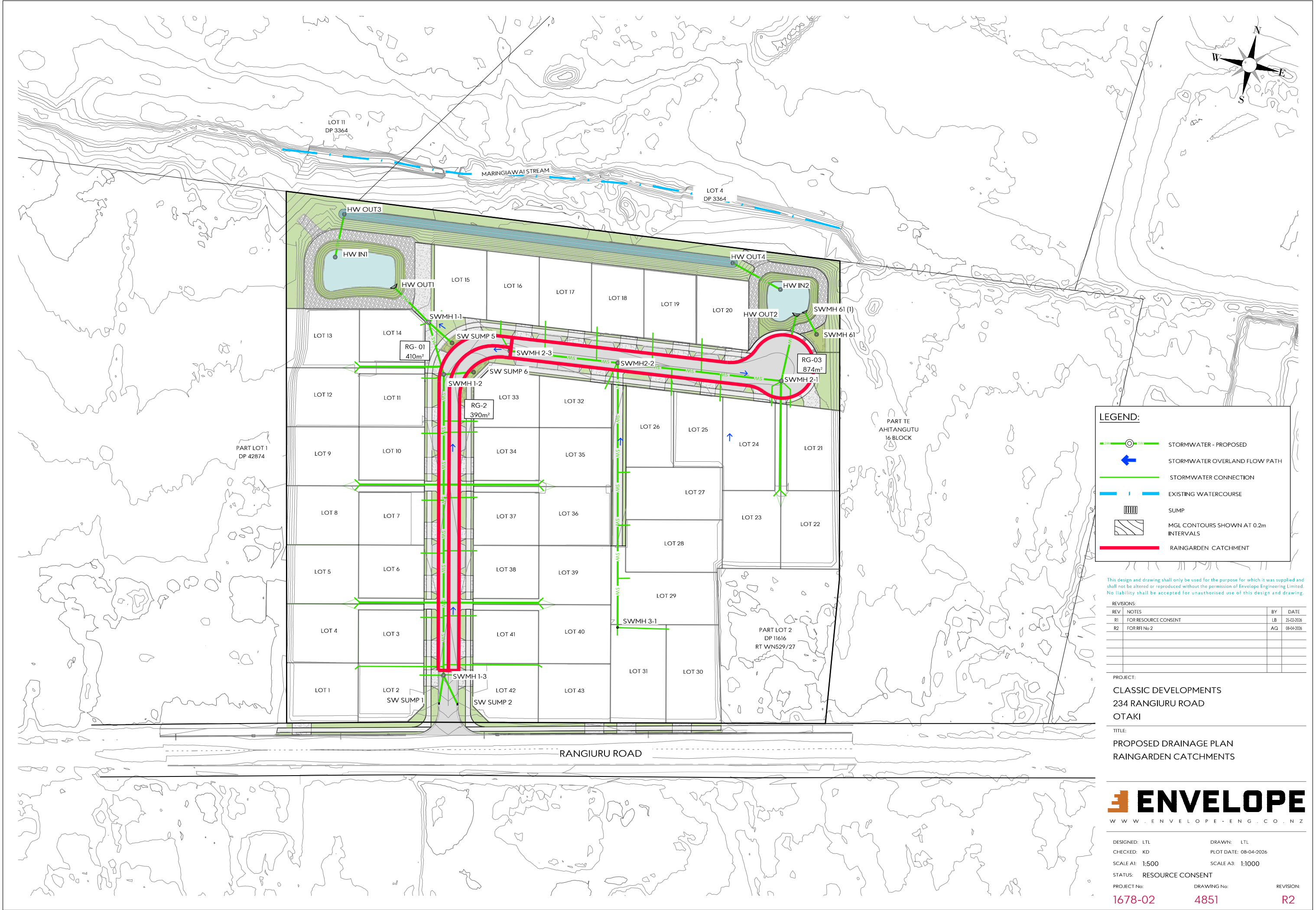
REVISIONS:		BY	DATE
REV	NOTES	LB	05-12-2025
R1	FOR RESOURCE CONSENT		
R2	FOR RFI No 2	AQ	08-04-2026

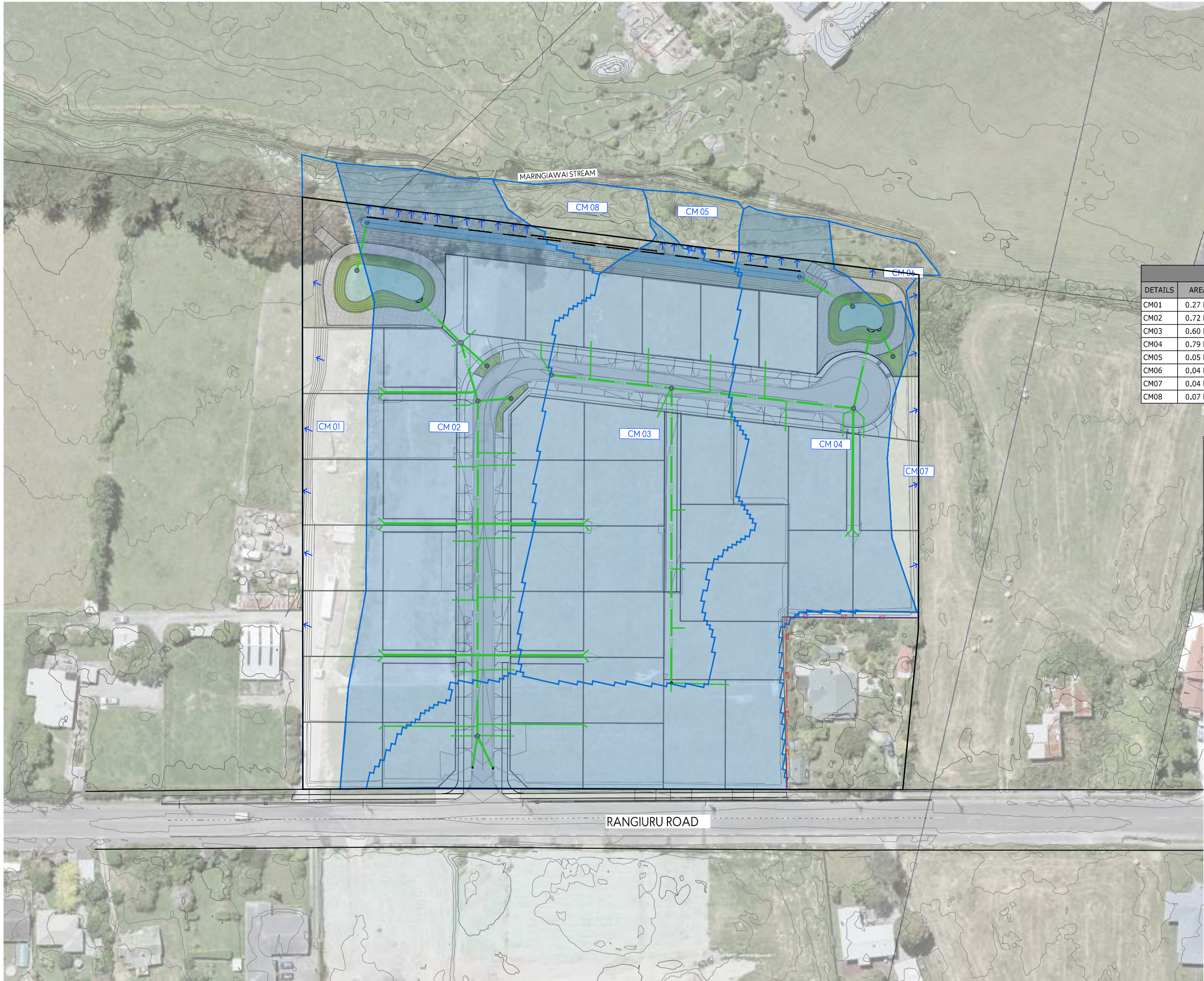
PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORA ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE PLAN
STORMWATER CATCHMENTS



DESIGNED: LTL	DRAWN: LTL	REVISION:
CHECKED: KD	PLOT DATE: 08-04-2026	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: RESOURCE CONSENT		
PROJECT No: 1678-02	DRAWING No: 4850	R2





CATCHMENT CHANGE		
DETAILS	AREA	DISCHARGE NOTES
CM01	0.27 ha	LOTS BATTERS TO EXISTING OLFP. MINOR CHANGE
CM02	0.72 ha	DISCHARGE TO SWALE, MATCH PRE-DEV SHEET FLOW
CM03	0.60 ha	DISCHARGE TO SWALE, MATCH PRE-DEV SHEET FLOW
CM04	0.79 ha	DISCHARGE TO SWALE, MATCH PRE-DEV SHEET FLOW
CM05	0.05 ha	DISCHARGE TO SWALE, MATCH PRE-DEV SHEET FLOW
CM06	0.04 ha	BATTERS TO EXISTING OLFP, MINOR CHANGE
CM07	0.04 ha	LOT BATTERS TO EXISTING OLFP. MINOR CHANGE
CM08	0.07 ha	HIGHPOINT, NO DISCHARGE, UNCHANGED

LEGEND:

STORMWATER - PROPOSED

STORMWATER OVERLAND FLOW PATH

STORMWATER CONNECTION

EXISTING WATERCOURSE

SUMP

MGL CONTOURS SHOWN AT 0.2m INTERVALS

STORMWATER CATCHMENT

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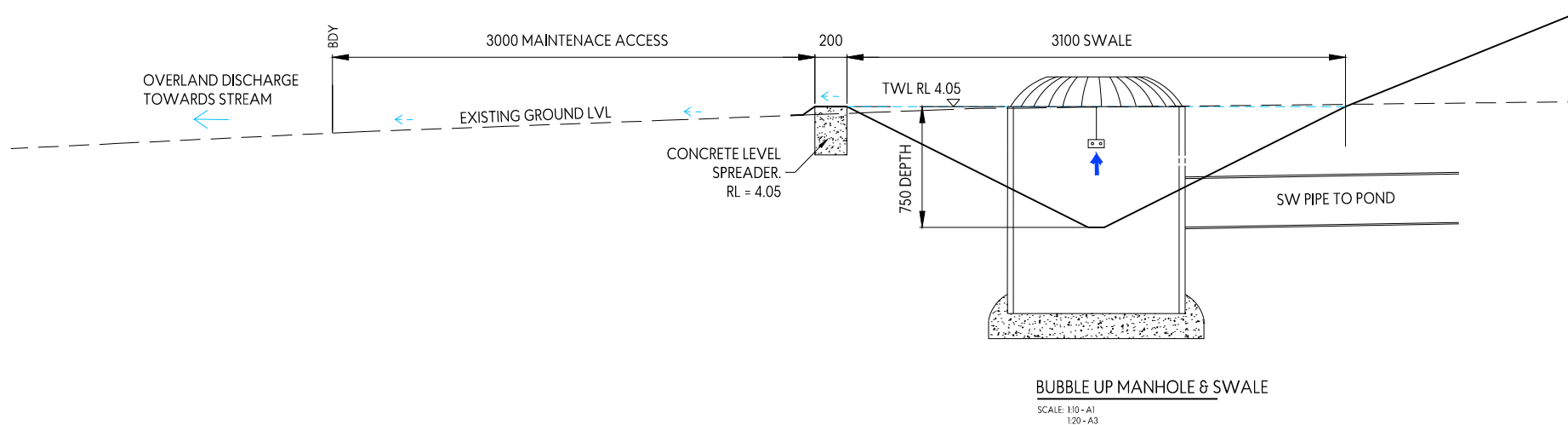
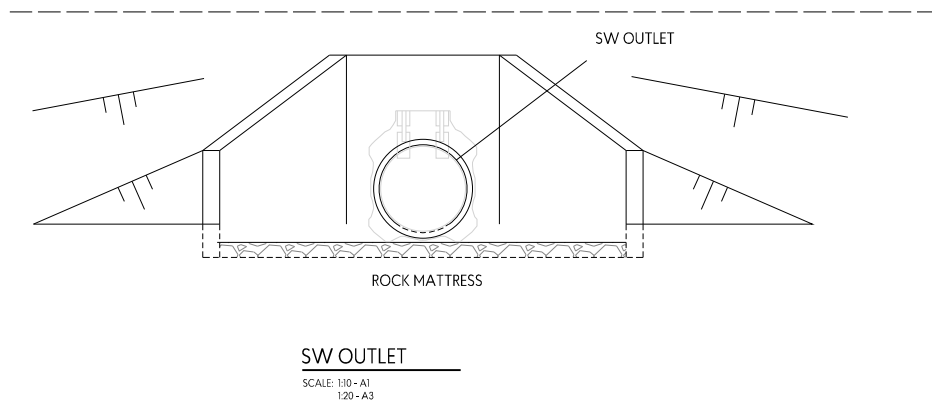
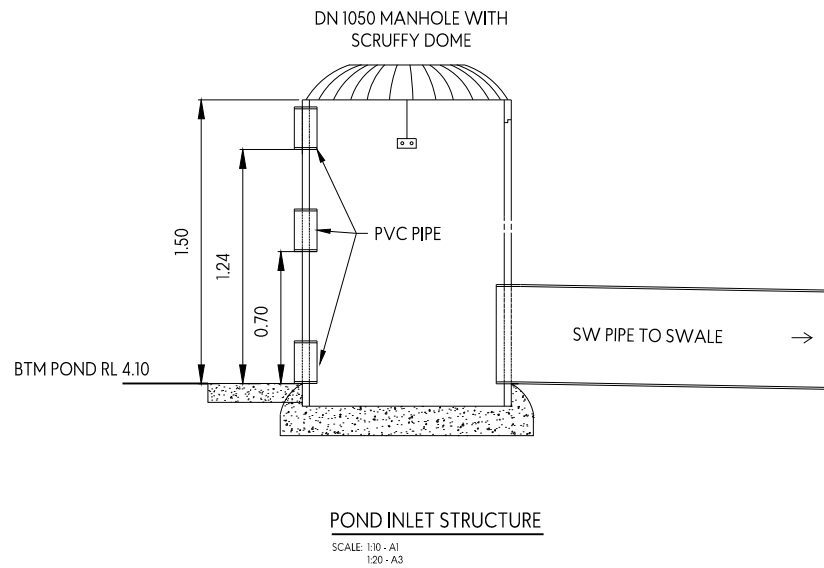
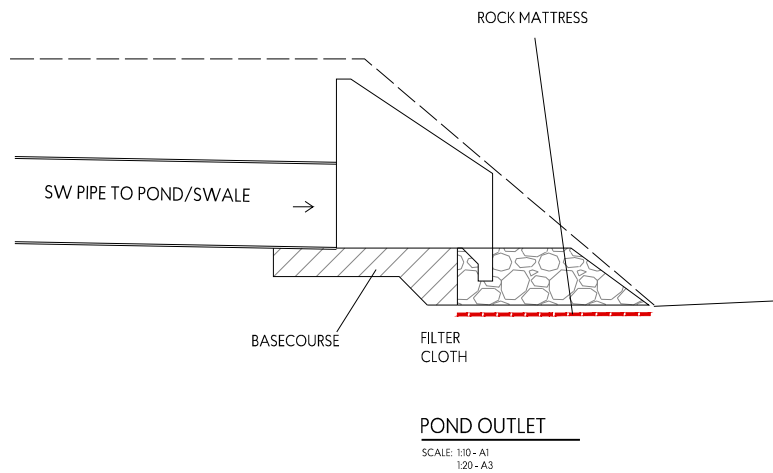
REVISIONS:		BY	DATE
REV	NOTES	LB	
R1	FOR RESOURCE CONSENT		05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI

TITLE:
PROPOSED DRAINAGE CATCHMENTS
PRE VS POST
CATCHMENT POINT OF DISCHARGE



DESIGNED: LTL	DRAWN: LTL	REVISION:
CHECKED: KD	PLOT DATE: 24-02-2026	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1678-02	4860	R1



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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

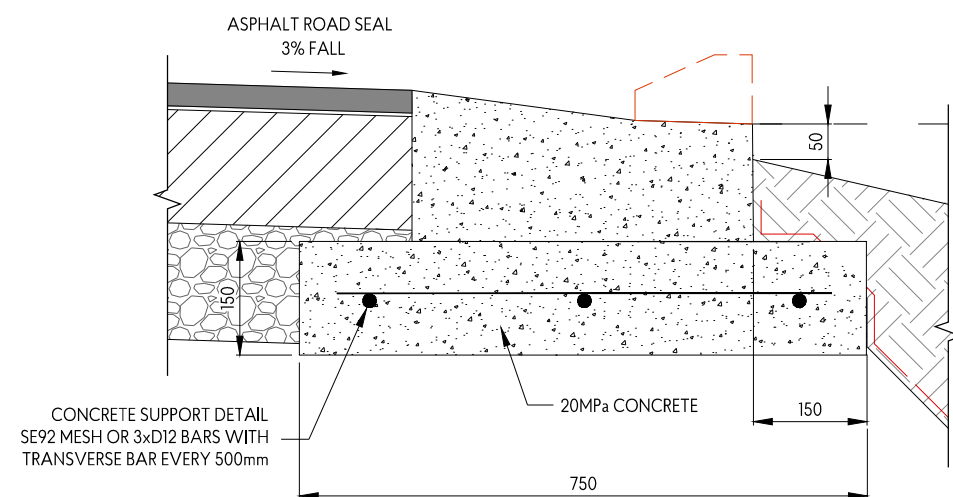
TITLE:
PROPOSED DRAINAGE PLAN
TYPICAL DETAILS

ENVELOPE
 W W . E N V E L O P E . E N G . C O . N Z

DESIGNED: LB
 CHECKED: KD
 SCALE A1: 1:10
 STATUS: RESOURCE CONSENT
 PROJECT No: **1678-02**

DRAWN: LB
 PLOT DATE: 24-02-2026
 SCALE A3: 1:20
 DRAWING No: **4900**

REVISION:
R1



SCALE: 1:10-A1 / 1:20-A3

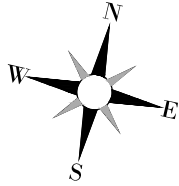
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TITLE:
PROPOSED DRAINAGE PLAN
TYPICAL DETAILS

DESIGNED: LB DRAWN: LB
CHECKED: KD PLOT DATE: 24-02-2026
SCALE A1: 1:10 SCALE A3: 1:20

STATUS: RESOURCE CONSENT

PROJECT No:	DRAWING No:	REVISION:
1678-02	4901	R1



LEGEND:

- W W EXISTING WATERMAIN
- FH H EXISTING HYDRANT
- W PROPOSED DN150 PVC-U SERIES 2 WATERMAIN
- RM PROPOSED 63mmOD PE80b RIDERMAIN
- SV PROPOSED SLUICE VALVE
- GV PROPOSED GATE VALVE
- FH H PROPOSED HYDRANT
- W PROPOSED TOBY (Ø 20mm CONNECTION)
- PROPOSED STREETLIGHT
- EXISTING STREETLIGHT
- T C-SERV-P-TELCO
- P C-SERV-P-POWER-GENERIC
- SWALE

WATER SUPPLY NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL GUIDELINES.
- ALL DN150 PIPE TO BE PVC-U SERIES 2
- ALL 63 OD PIPES TO BE PE80b.
- ALL BEDDING AND SURROUND FOR PIPES TO BE IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL GUIDELINES.
- TOBIES TO BE POSITIONED 400mm OUT FROM BOUNDARY UNLESS SHOWN OTHERWISE
- SERVICE PIPES TO BE LAID PERPENDICULAR TO MAIN AND RIDER MAIN WHERE PRACTICABLE.
- ALL SERVICE CONNECTIONS ARE 25mmØ OD PE80b PN16 & MANIFOLD TO BE INSTALLED IN SEAL ADJACENT TO AND AS CLOSE AS PRACTICABLE TO KERB.
- DETECTOR TAPE SHALL BE LAID ABOVE ALL WATER PIPES.
- EACH MANIFOLD TO HAVE A UNIT IDENTIFICATION TAG CLEARLY SHOWING WHICH PROPERTY IS SERVICED BY THE MANIFOLD FIXED WITH CHAIN WITHIN MANIFOLD BOX.
- AN APPROVED WATER METER TO BE INSTALLED IN EACH MANIFOLD FOR EACH NEW WATER CONNECTION.
- CONTRACTOR TO LOCATE AND PROTECT ALL SERVICES

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REVISIONS:		BY	DATE
REV	NOTES		
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	RFP's 1 RIDERMAIN MATERIAL	LB	24-02-2026
R3	FOR RFP No 2	AQ	08-04-2026

PROJECT:
CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

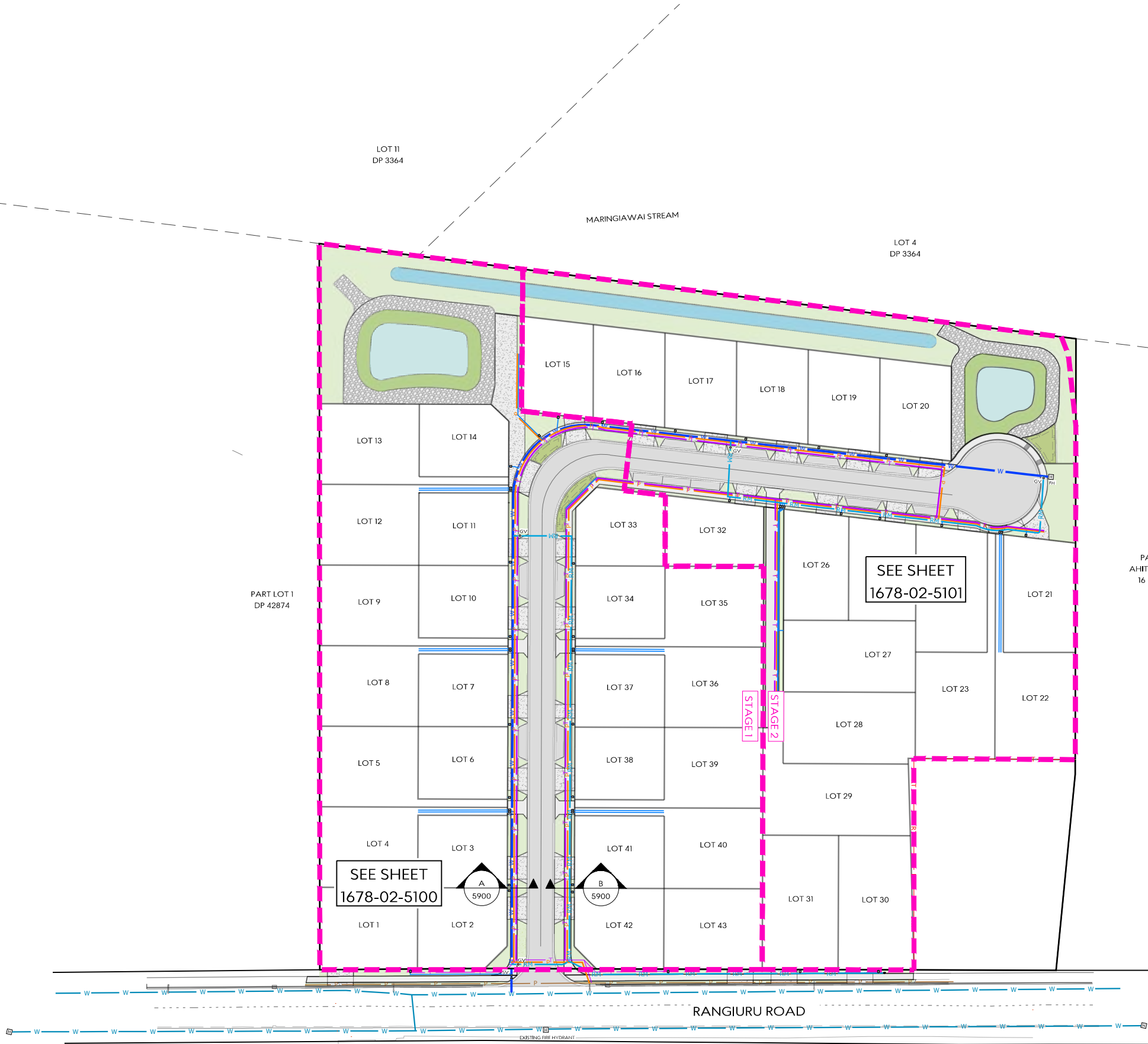
TITLE:
PROPOSED WATER & SERVICES
OVERALL

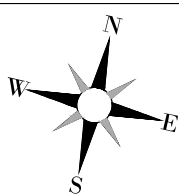
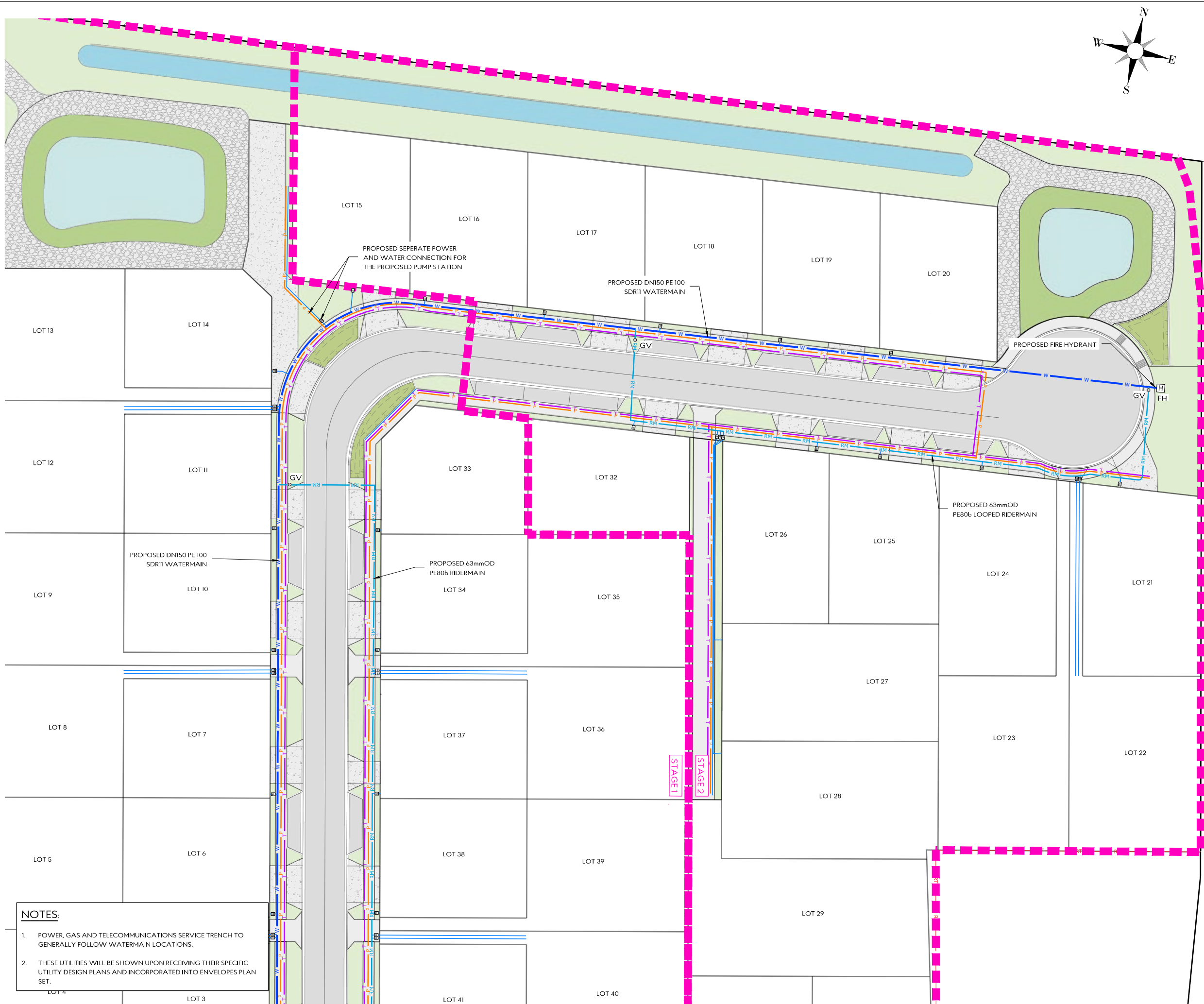


DESIGNED: LB
CHECKED: KD
SCALE A1: 1:500
STATUS: RESOURCE CONSENT
PROJECT No: 1678-02
DRAWING No: 5000
REVISION: R3
DRAWN: LB
PLOT DATE: 08-04-2026
SCALE A3: 1:1000

NOTES

- POWER, GAS AND TELECOMMUNICATIONS SERVICE TRENCH TO GENERALLY FOLLOW WATERMAIN LOCATIONS.
- THESE UTILITIES WILL BE SHOWN UPON RECEIVING THEIR SPECIFIC UTILITY DESIGN PLANS AND INCORPORATED INTO ENVELOPES PLAN SET.





LEGEND:

- W W EXISTING WATERMAIN
- FH [H] EXISTING HYDRANT
- W PROPOSED DN150 PVC-U SERIES 2 WATERMAIN
- RM PROPOSED 63mmOD PE80b RIDERMAIN
- SV [S] PROPOSED SLUICE VALVE
- GV [G] PROPOSED GATE VALVE
- FH [H] PROPOSED HYDRANT
- [W] PROPOSED TOBY (Ø 20mm CONNECTION)
- [S] PROPOSED STREETLIGHT
- [S] EXISTING STREETLIGHT
- T C-SERV-P-TELCO
- P C-SERV-P-POWER-GENERIC
- [S] SWALE

WATER SUPPLY NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL GUIDELINES.
- ALL DN150 PIPE TO BE PVC-U SERIES 2
- ALL 63 OD PIPES TO BE PE80b.
- ALL BEDDING AND SURROUND FOR PIPES TO BE IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL GUIDELINES.
- TOBIES TO BE POSITIONED 400mm OUT FROM BOUNDARY UNLESS SHOWN OTHERWISE
- SERVICE PIPES TO BE LAID PERPENDICULAR TO MAIN AND RIDER MAIN WHERE PRACTICABLE.
- ALL SERVICE CONNECTIONS ARE 25mmØ OD PE80b PN16 & MANIFOLD TO BE INSTALLED IN SEAL ADJACENT TO AND AS CLOSE AS PRACTICABLE TO KERB.
- DETECTOR TAPE SHALL BE LAID ABOVE ALL WATER PIPES.
- EACH MANIFOLD TO HAVE A UNIT IDENTIFICATION TAG CLEARLY SHOWING WHICH PROPERTY IS SERVICED BY THE MANIFOLD FIXED WITH CHAIN WITHIN MANIFOLD BOX.
- AN APPROVED WATER METER TO BE INSTALLED IN EACH MANIFOLD FOR EACH NEW WATER CONNECTION.
- CONTRACTOR TO LOCATE AND PROTECT ALL SERVICES

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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	RFP's 1 RIDERMAIN MATERIAL	LB	24-02-2026
R3	FOR RFI No 2	AQ	08-04-2026

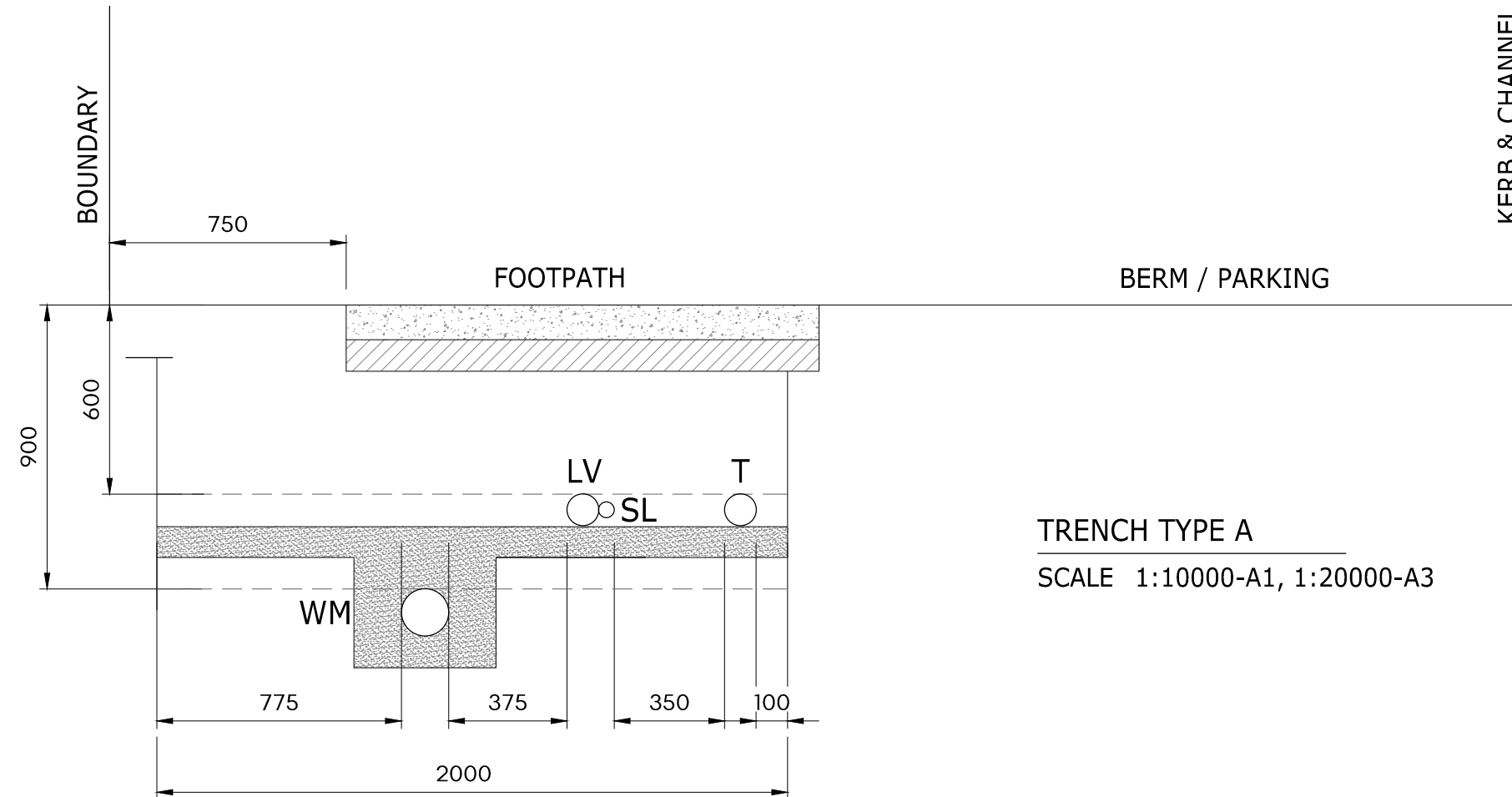
PROJECT:
**CLASSIC DEVELOPMENTS
234 RANGIORU ROAD
OTAKI**

TITLE:
**PROPOSED WATER & SERVICES
DETAILED LAYOUT PLAN
SHEET 2 OF 2**



DESIGNED: LB	DRAWN: LB	REVISION:
CHECKED: KD	PLOT DATE: 08-04-2026	
SCALE A1: 1:250	SCALE A3: 1:500	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1678-02	5101	R3

- NOTES**
- POWER, GAS AND TELECOMMUNICATIONS SERVICE TRENCH TO GENERALLY FOLLOW WATERMAIN LOCATIONS.
 - THESE UTILITIES WILL BE SHOWN UPON RECEIVING THEIR SPECIFIC UTILITY DESIGN PLANS AND INCORPORATED INTO ENVELOPE'S PLAN SET.



TRENCH TYPE A
SCALE 1:10000-A1, 1:20000-A3

LEGEND

T

CHORUS CABLE DUCT - 100DIA

LV

LOW VOLTAGE POWER CABLE DUCT - 150DIA

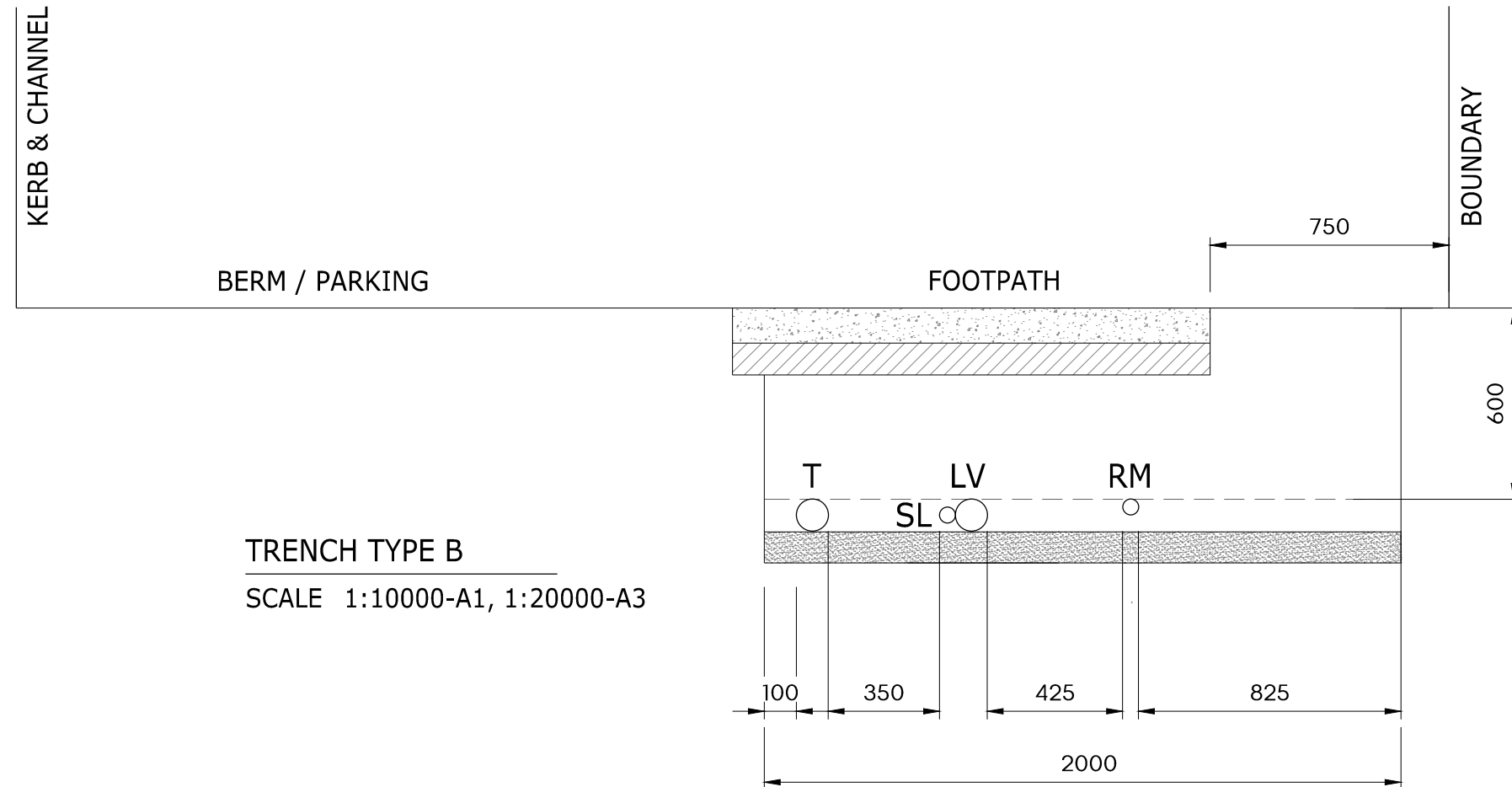
SL

LOW VOLTAGE STREET LIGHT POWER CABLE - 50DIA

WM

WATERMAIN PIPE - 150DIA

BEDDING MATERIAL - SAND



TRENCH TYPE B
SCALE 1:10000-A1, 1:20000-A3

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REVISIONS:			
REV	NOTES	BY	DATE
R1	FOR RESOURCE CONSENT	LB	05-12-2025
R2	FOR RFI No 2	AQ	08-04-2026

PROJECT:

CLASSIC DEVELOPMENTS
234 RANGIURU ROAD
OTAKI

TITLE:

PROPOSED WATER & SERVICES
UTILITIES TRENCH DETAILS



W W W . E N V E L O P E - E N G . C O . N Z

DESIGNED: LB	DRAWN: LB
CHECKED: KD	PLOT DATE: 08-04-2026
SCALE A1: 1:10000	SCALE A3: 1:20000
STATUS: RESOURCE CONSENT	
PROJECT No:	DRAWING No:
1678-02	5900
REVISION:	
R2	