

LEGEND:

- EXISTING CONTOURS SHOWN AT 1.0m INTERVALS.
- EXTENT OF PROPOSED EARTHWORKS
- EARTHWORKS STAGING
- RUNOFF DIVERSION CHANNEL
- CLEANWATER DIVERSION BUND
- CD CONTOUR DRAIN
- SW STORMWATER PIPE
- SILT FENCE
- SUPER SILT FENCE
- SRP CATCHMENT BOUNDARY
- OVERLAND FLOWPATH
- CULVERT
- SEDIMENT RETENTION POND (SRP)
- DECANTING EARTH BUND (DEB)
- STABILISED CONSTRUCTION ENTRY / HAUL ROAD

- NOTES:**
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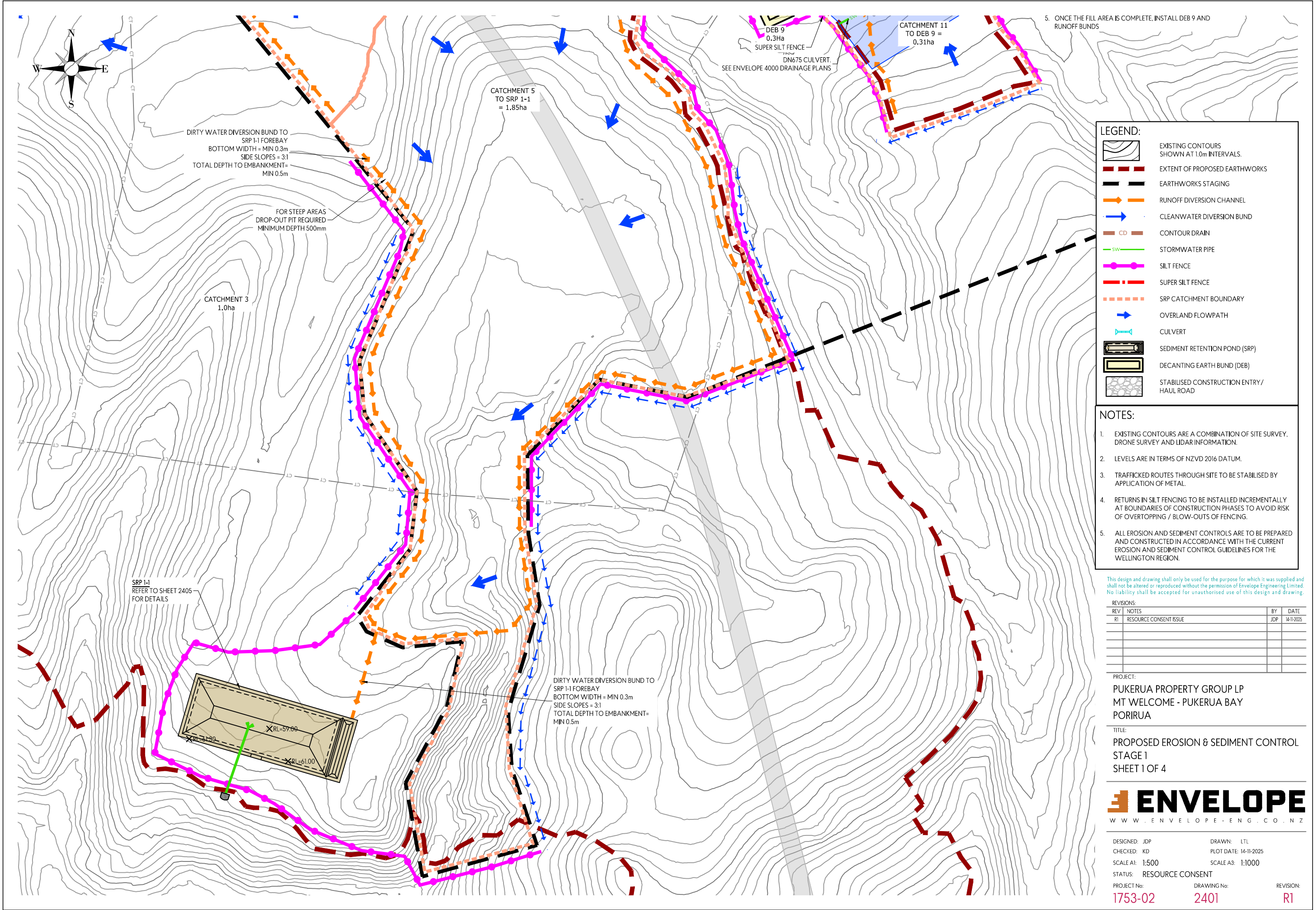
REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	JDP	14-11-2025

PROJECT:
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

TITLE:
OVERALL PLAN
PROPOSED EROSION & SEDIMENT CONTROL
STAGE 1



DESIGNED: JDP	DRAWN: LTL
CHECKED: KD	PLOT DATE: 14-11-2025
SCALE A1: 1:1250	SCALE A3: 1:2500
STATUS: RESOURCE CONSENT	
PROJECT No: 1753-02	DRAWING No: 2400
REVISION: R1	



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R1	RESOURCE CONSENT ISSUE	JDP	14-11-2025

PROJECT:
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

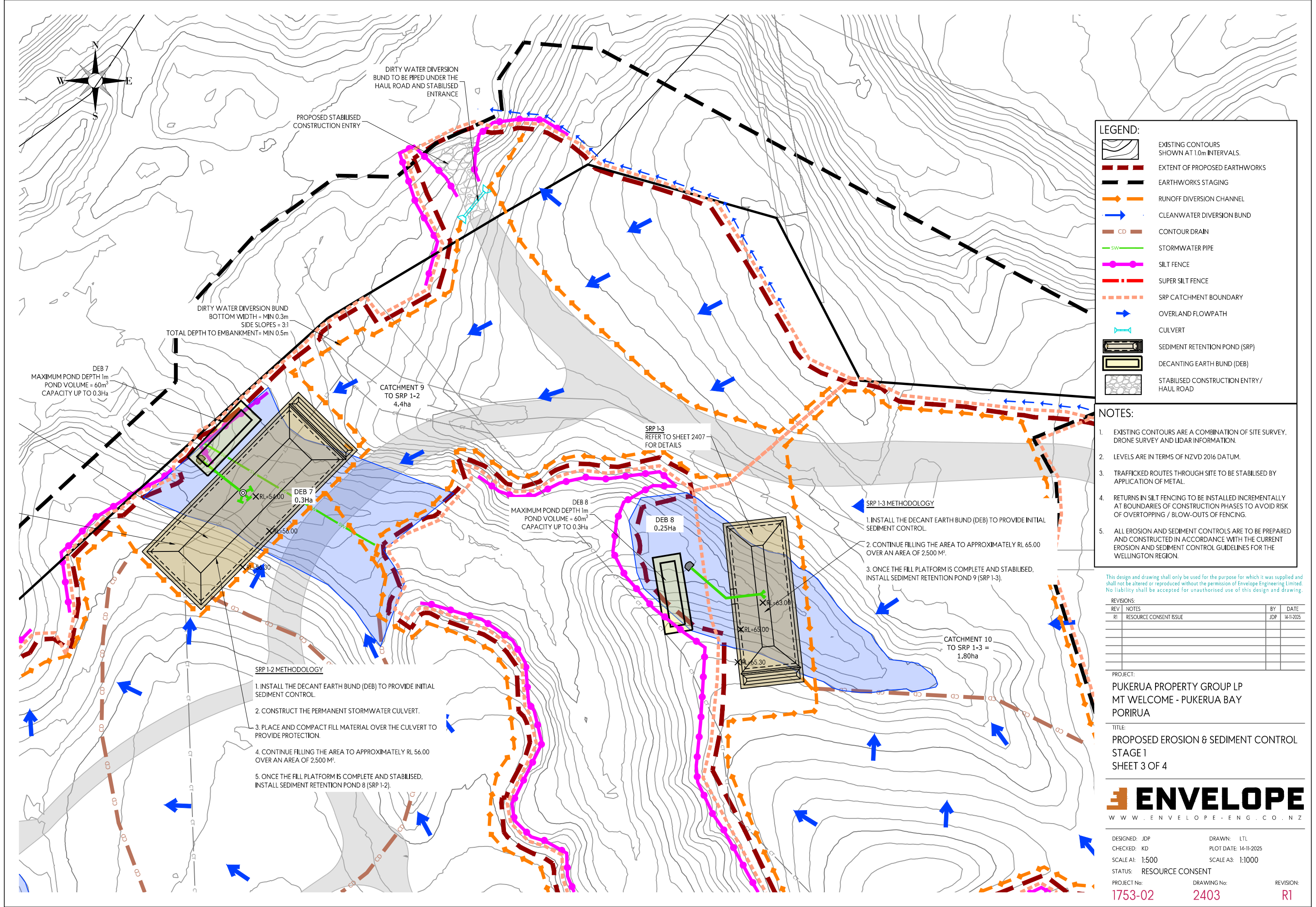
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STAGE 1
SHEET 1 OF 4

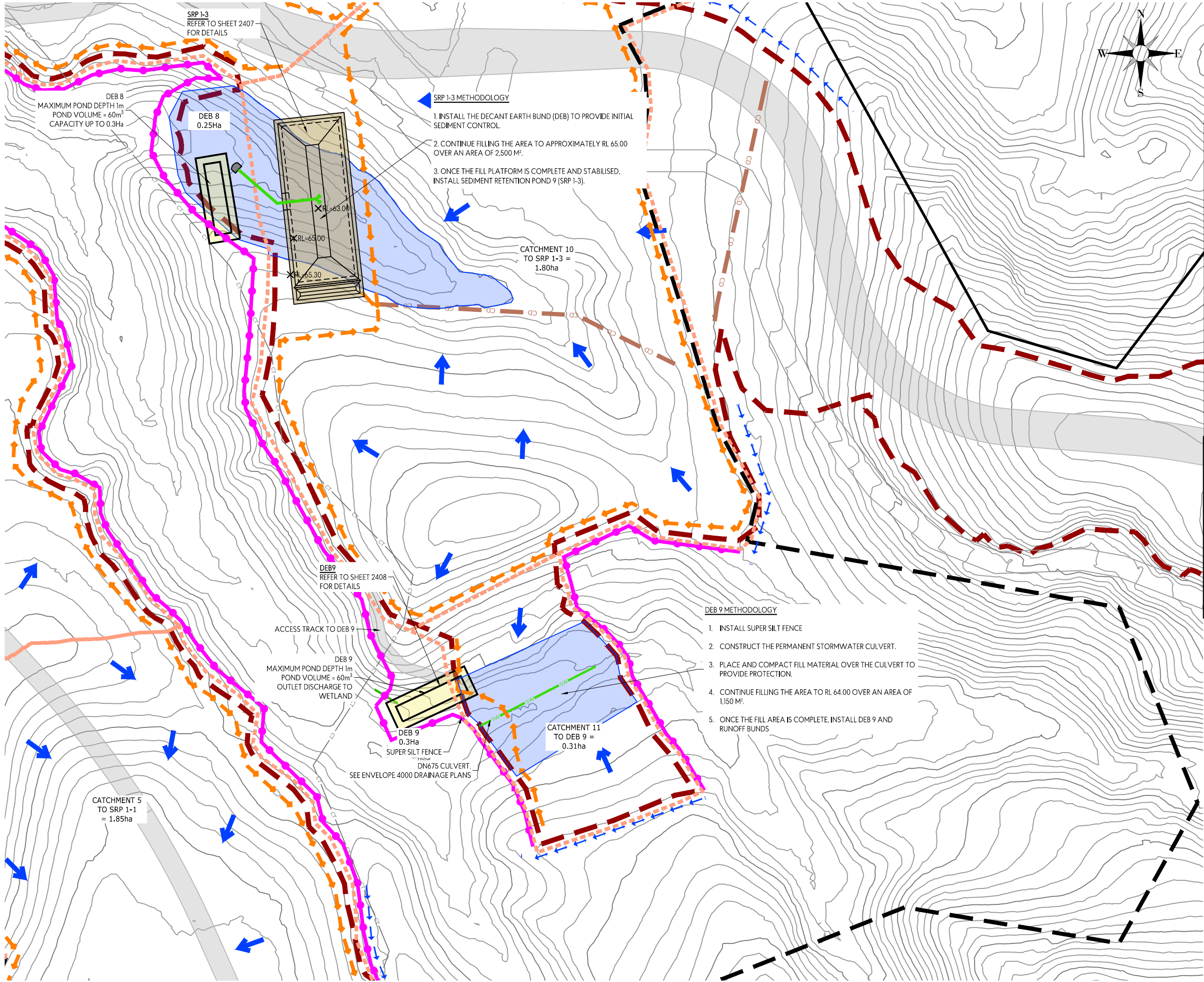


DESIGNED: JDP
CHECKED: KD
SCALE A1: 1:500
STATUS: RESOURCE CONSENT
PROJECT No: 1753-02

DRAWN: LTL
PLOT DATE: 14-11-2025
SCALE A3: 1:1000
DRAWING No: 2401

REVISION: R1





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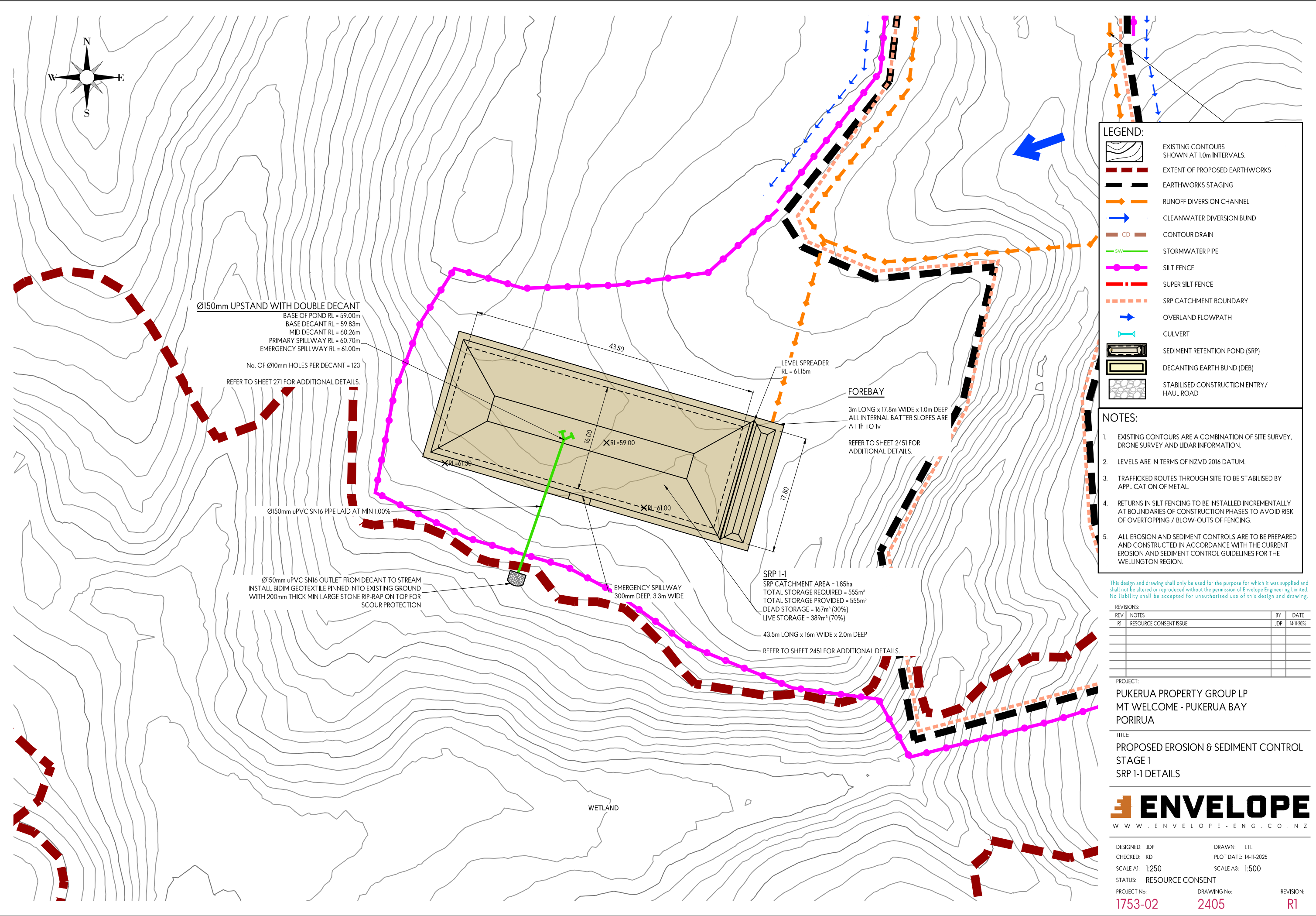
REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	JDP	14-11-2025

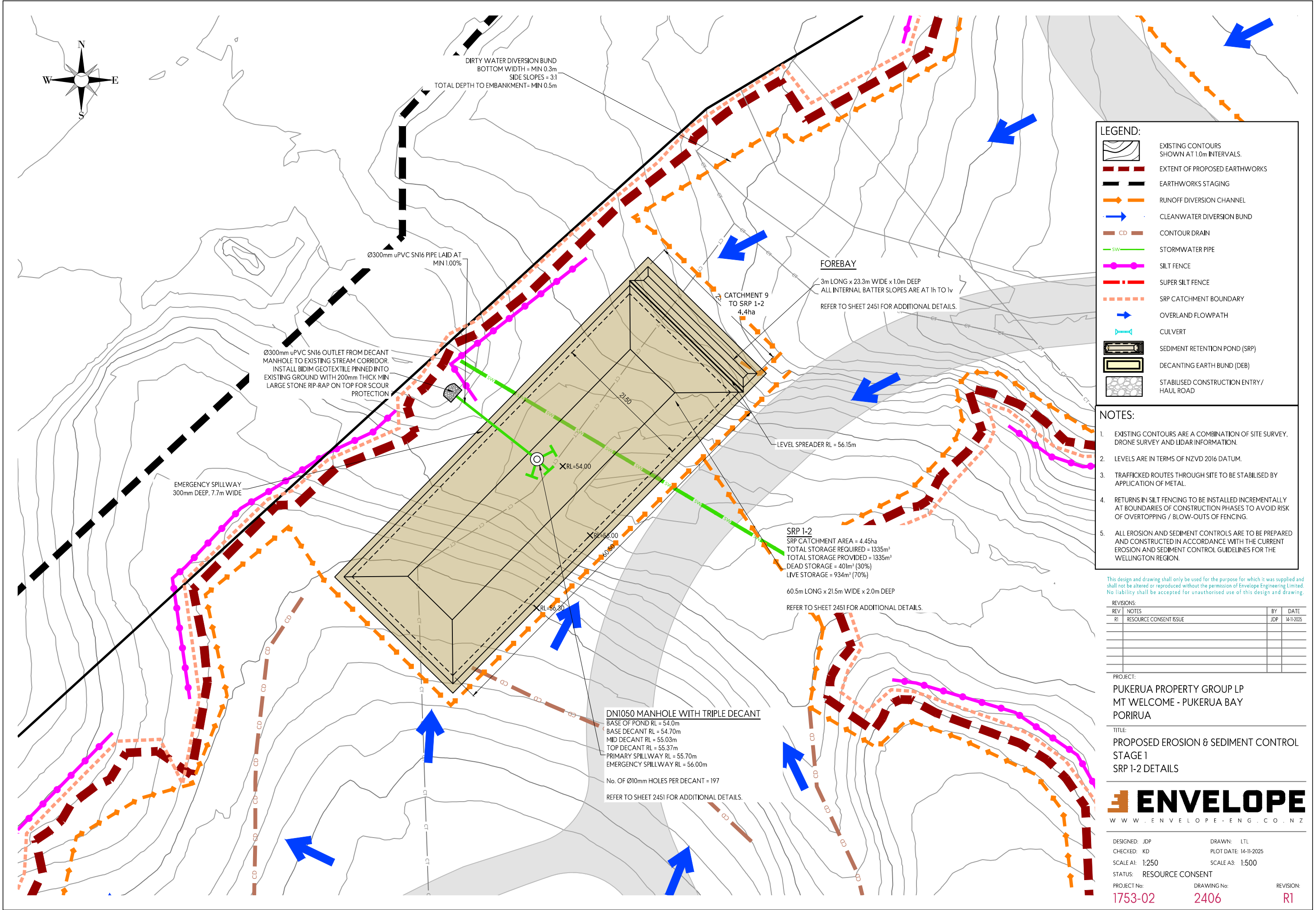
PROJECT:
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

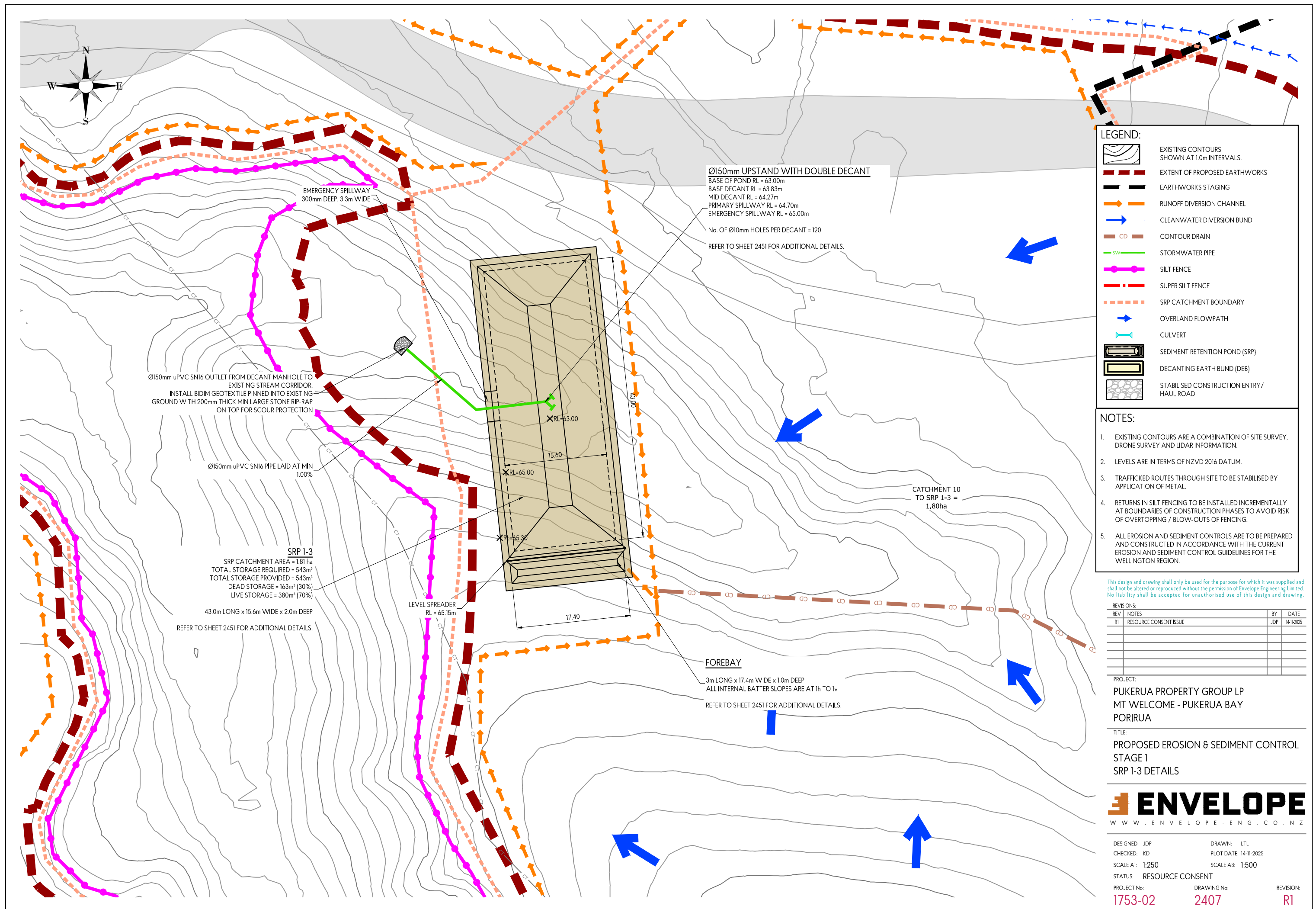
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STAGE 1
SHEET 4 OF 4

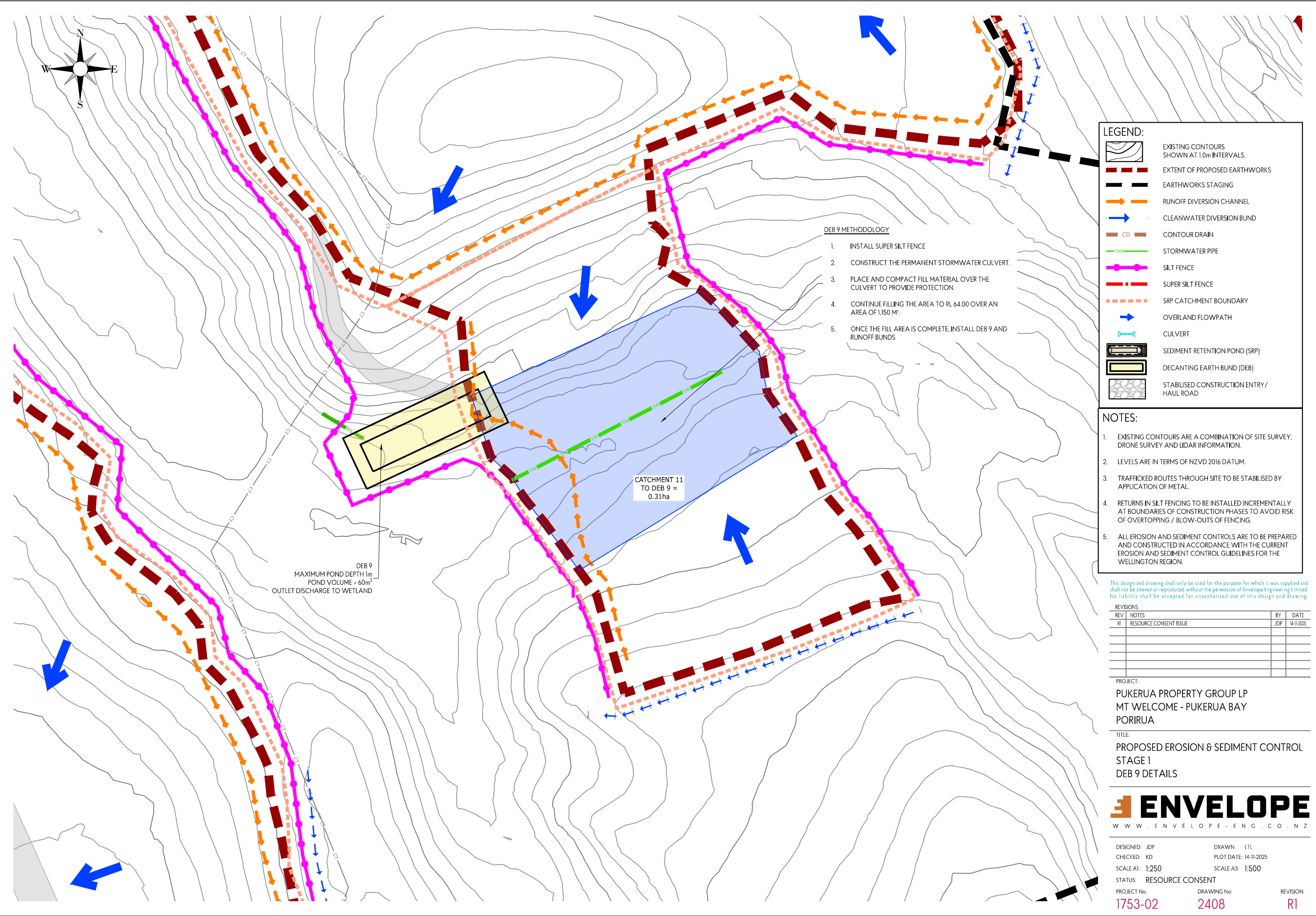


DESIGNED: JDP	DRAWN: LTL	REVISION:
CHECKED: KD	PLOT DATE: 14-11-2025	2404
SCALE A1: 1:500	SCALE A3: 1:1000	R1
STATUS: RESOURCE CONSENT	PROJECT No:	
	DRAWING No:	









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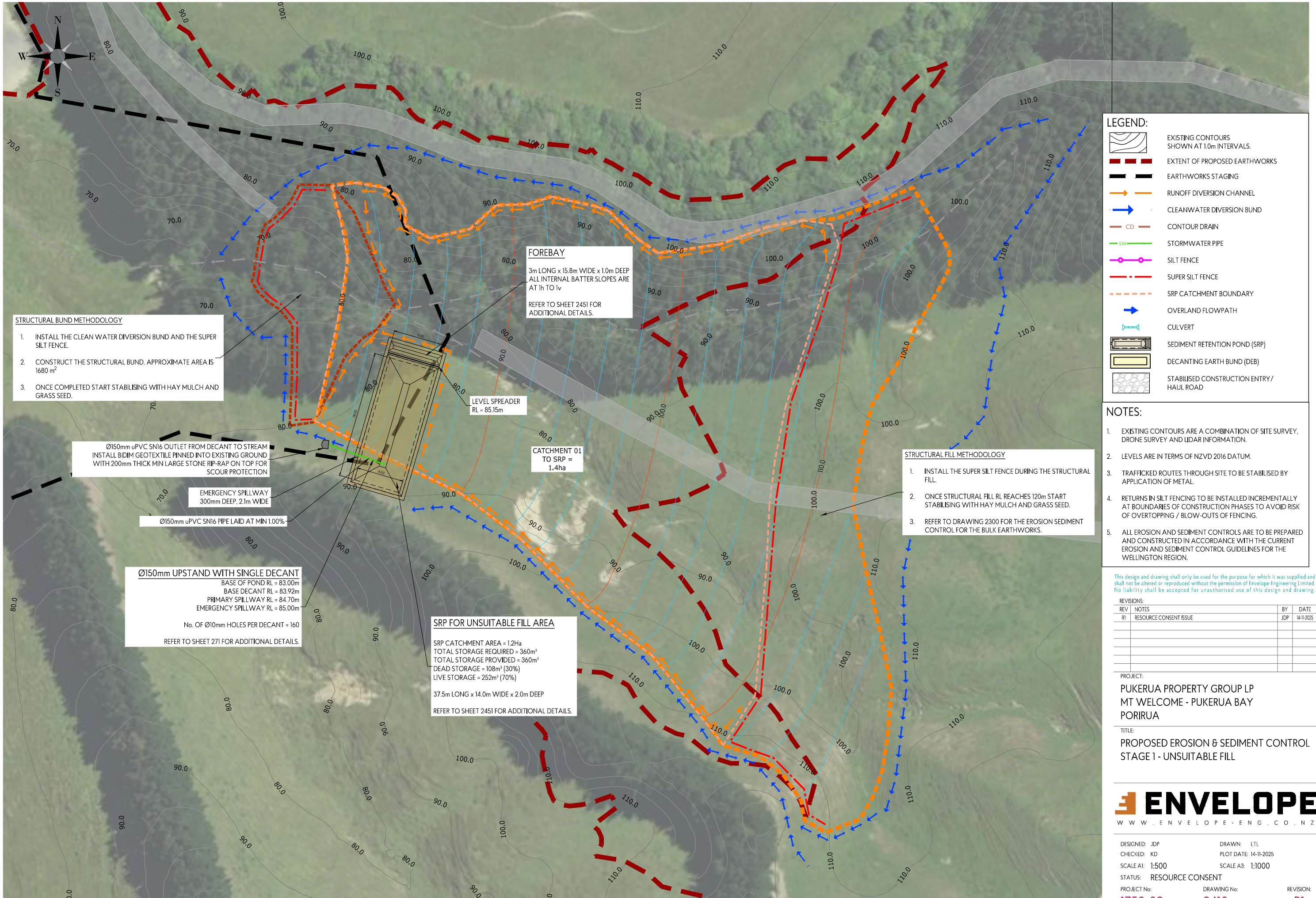
REVISIONS:		BY	DATE
REV	NOTES		
R1	RESOURCE CONSENT ISSUE	JDP	14-11-2025

PROJECT:
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STAGE 1
DEB 9 DETAILS



DESIGNED: JDP	DRAWN: LTL	REVISION: R1
CHECKED: KD	PLOT DATE: 14-11-2025	
SCALE A1: 1:250	SCALE A3: 1:500	
STATUS: RESOURCE CONSENT		
PROJECT No: 1753-02	DRAWING No: 2408	



STRUCTURAL BUND METHODOLOGY

1. INSTALL THE CLEAN WATER DIVERSION BUND AND THE SUPER SILT FENCE.
2. CONSTRUCT THE STRUCTURAL BUND. APPROXIMATE AREA IS 1680 m²
3. ONCE COMPLETED START STABILISING WITH HAY MULCH AND GRASS SEED.

Ø150mm uPVC SN16 OUTLET FROM DECANT TO STREAM
INSTALL BIDIM GEOTEXTILE PINNED INTO EXISTING GROUND
WITH 200mm THICK MIN LARGE STONE RIP-RAP ON TOP FOR
SCOUR PROTECTION

EMERGENCY SPILLWAY
300mm DEEP, 2.1m WIDE

Ø150mm uPVC SN16 PIPE LAID AT MIN 1.00%

Ø150mm UPSTAND WITH SINGLE DECANT
BASE OF POND RL = 83.00m
BASE DECANT RL = 83.92m
PRIMARY SPILLWAY RL = 84.70m
EMERGENCY SPILLWAY RL = 85.00m

No. OF Ø10mm HOLES PER DECANT = 160
REFER TO SHEET 271 FOR ADDITIONAL DETAILS.

SRP FOR UNSUITABLE FILL AREA

SRP CATCHMENT AREA = 1.2Ha
TOTAL STORAGE REQUIRED = 360m³
TOTAL STORAGE PROVIDED = 360m³
DEAD STORAGE = 108m³ (30%)
LIVE STORAGE = 252m³ (70%)

37.5m LONG x 14.0m WIDE x 2.0m DEEP
REFER TO SHEET 2451 FOR ADDITIONAL DETAILS.

FOREBAY
3m LONG x 15.8m WIDE x 1.0m DEEP
ALL INTERNAL BATTER SLOPES ARE
AT 1h TO 1v

REFER TO SHEET 2451 FOR
ADDITIONAL DETAILS.

LEVEL SPREADER
RL = 85.15m

CATCHMENT 01
TO SRP =
1.4ha

STRUCTURAL FILL METHODOLOGY

1. INSTALL THE SUPER SILT FENCE DURING THE STRUCTURAL FILL.
2. ONCE STRUCTURAL FILL RL REACHES 120m START STABILISING WITH HAY MULCH AND GRASS SEED.
3. REFER TO DRAWING 2300 FOR THE EROSION SEDIMENT CONTROL FOR THE BULK EARTHWORKS.

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PROJECT:
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

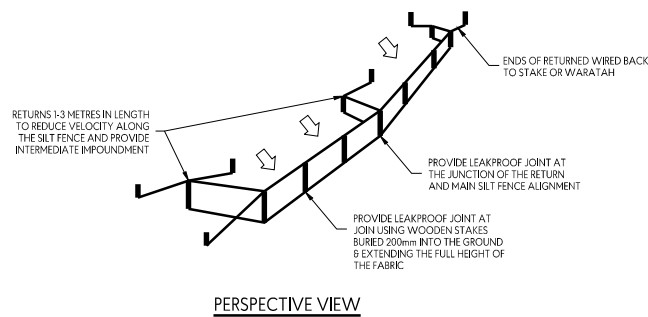
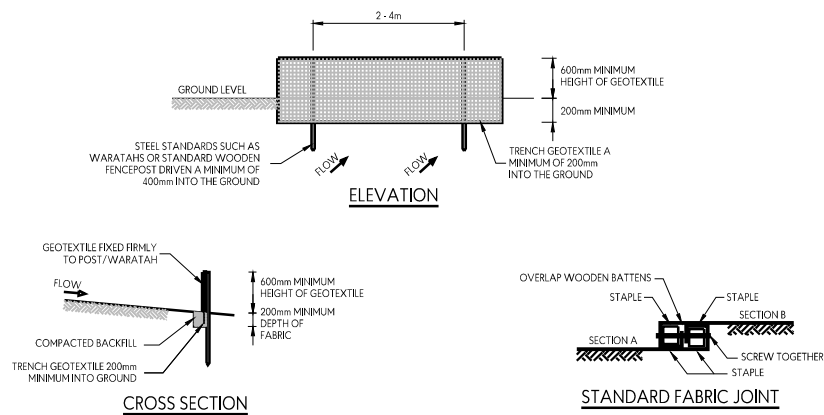
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STAGE 1 - UNSUITABLE FILL

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

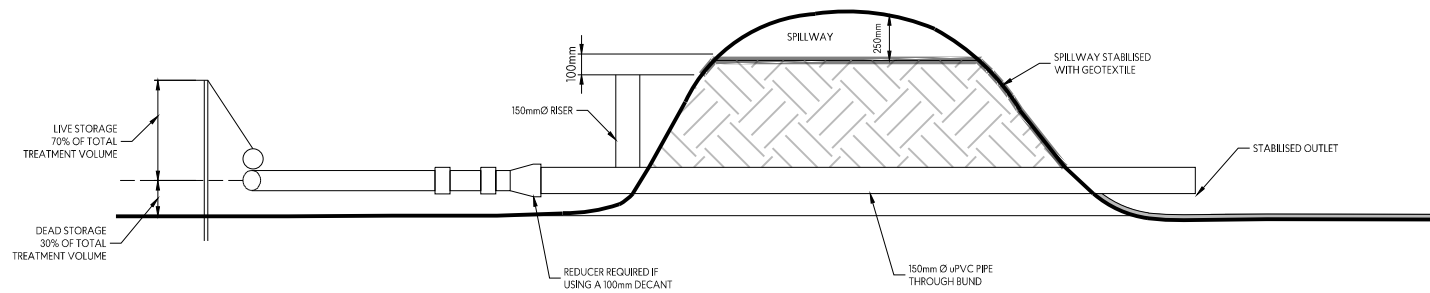
DESIGNED: JDP
CHECKED: KD
SCALE A1: 1:500
STATUS: RESOURCE CONSENT
PROJECT No: 1753-02

DRAWN: LTL
PLOT DATE: 14-11-2025
SCALE A3: 1:1000
DRAWING No: 2410

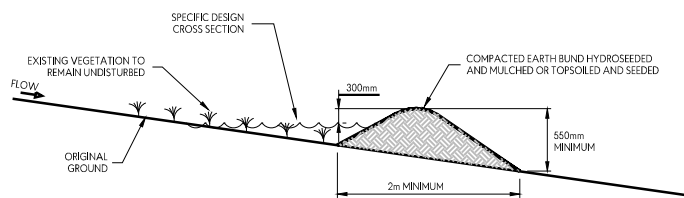
REVISION: R1



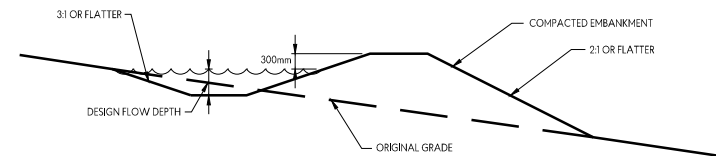
SILT FENCE CONSTRUCTION



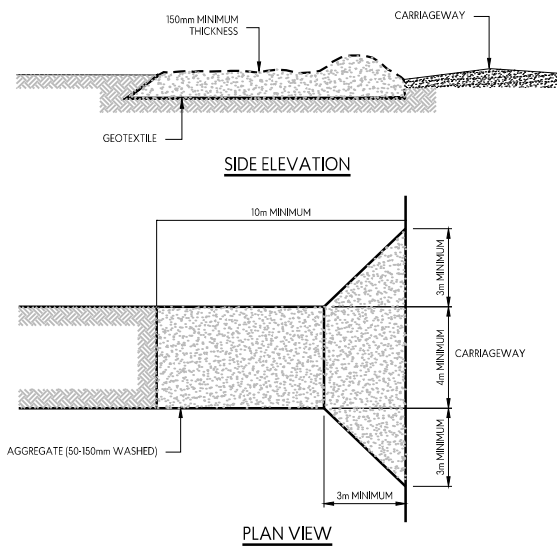
DECANTING EARTH BUND (DEB)



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:

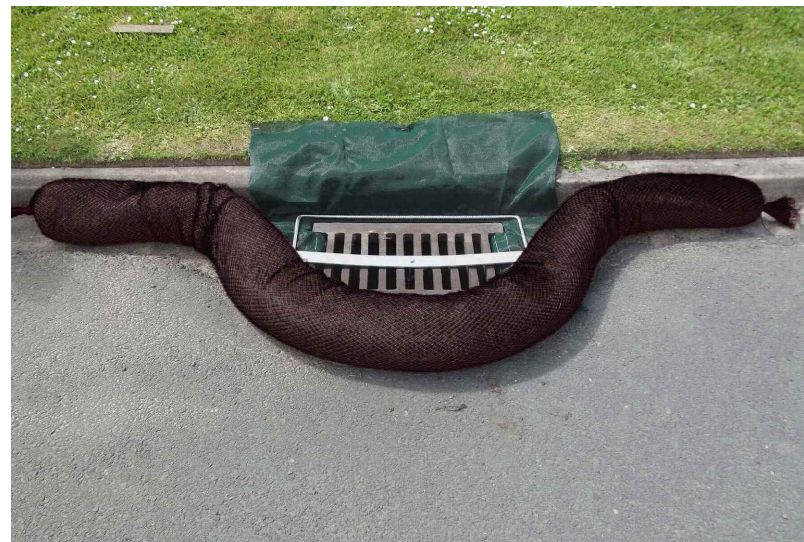
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
2. PROVIDE DRAINAGE TO CARRY RUNOFF FROM THE STABILISED CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
3. PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS:

AGGREGATE SIZE	50-150mm 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.



STORMWATER INLET PROTECTION - FILTER SOCK DESIGN

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R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025

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PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

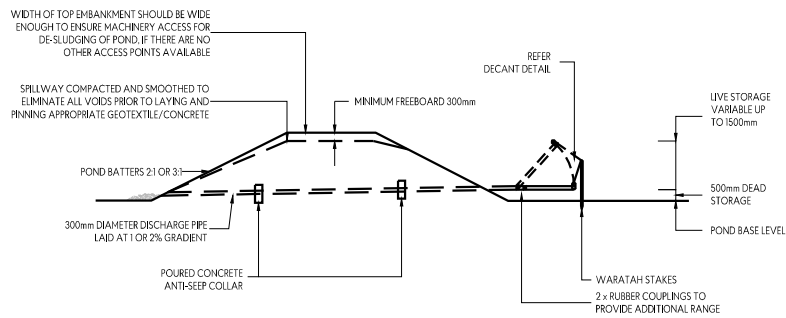
TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STANDARD DETAILS - SHEET 1
STAGE 1



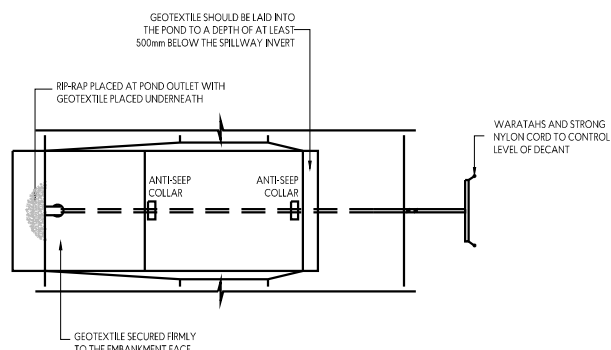
DESIGNED: LTL
CHECKED: KD
SCALE A1: NOT TO SCALE
STATUS: RESOURCE CONSENT
PROJECT No: 1753-02

DRAWN: MJP
PLOT DATE: 14-11-2025
SCALE A3:
DRAWING No: 2450

REVISION: R1

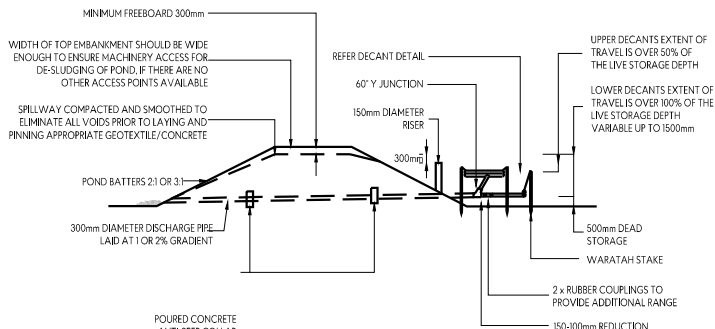


CROSS SECTION

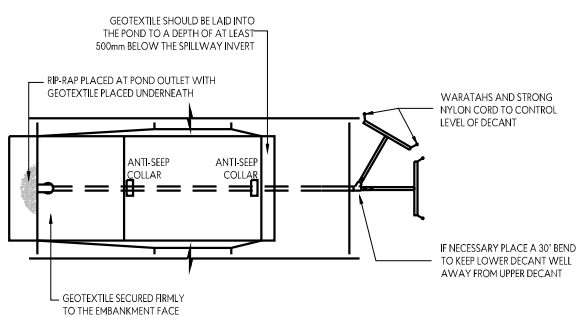


PLAN VIEW

SEDIMENT RETENTION POND FOR UP TO 1.5ha CATCHMENT

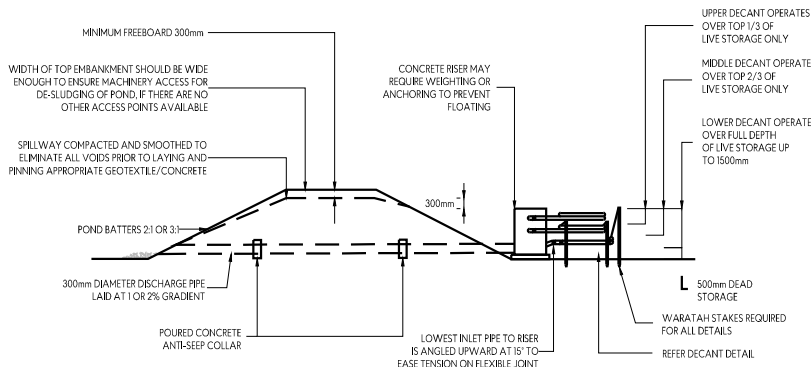


CROSS SECTION

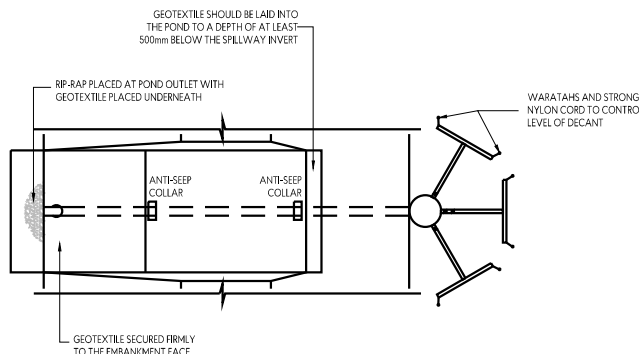


PLAN VIEW

SEDIMENT RETENTION POND FOR 1.5 - 3 ha CATCHMENT

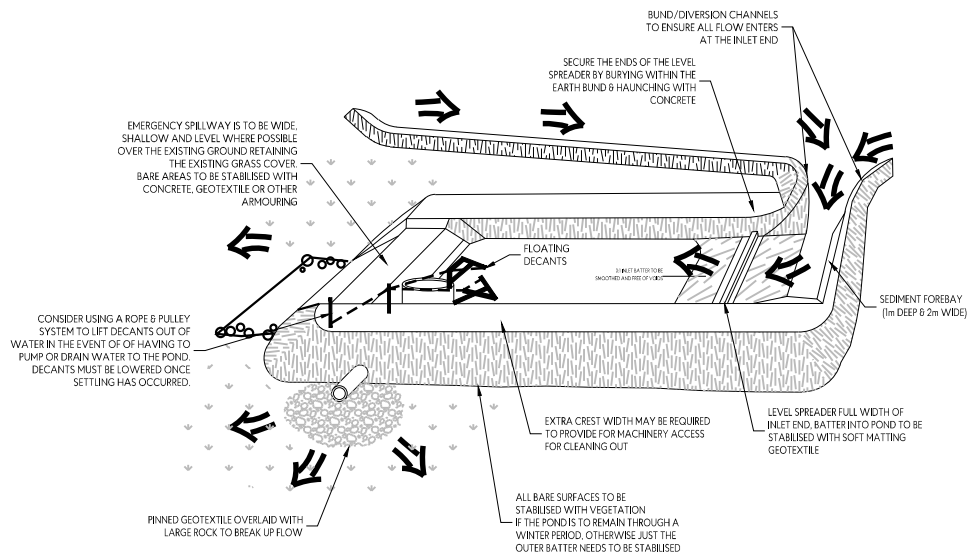


CROSS SECTION



PLAN VIEW

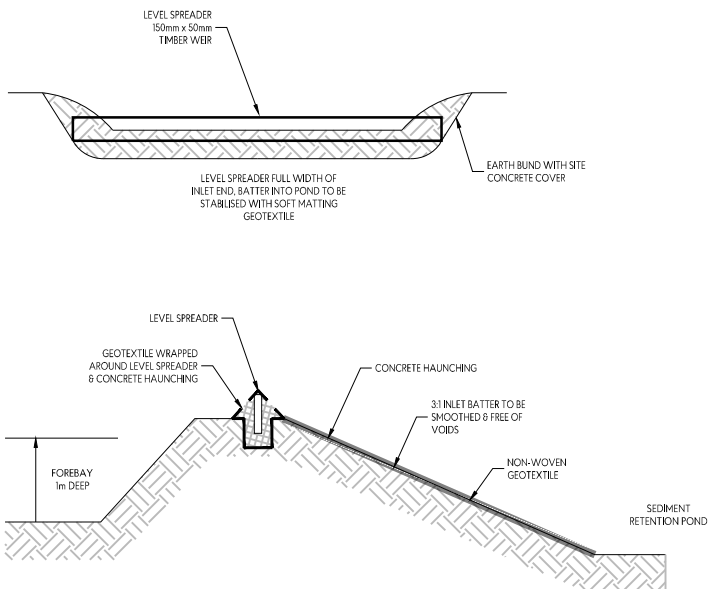
SEDIMENT RETENTION POND FOR 3 TO 5 ha CATCHMENT



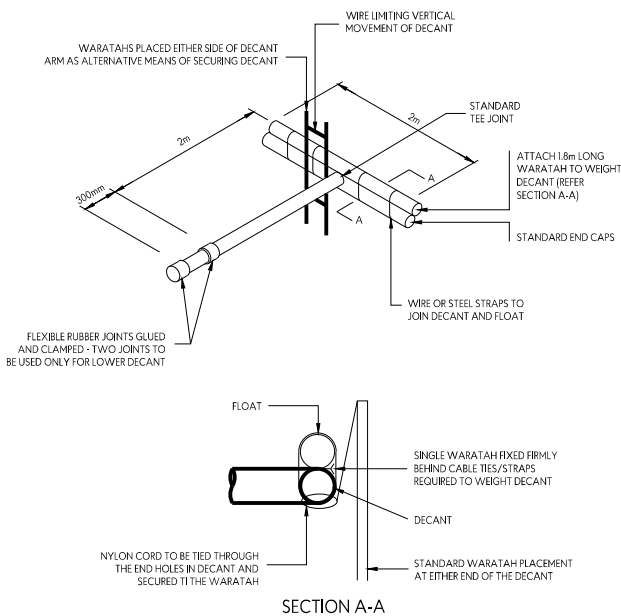
SEDIMENT RETENTION POND

NUMBER OF DECANTS FOR EACH POND SHALL BE AS FOLLOWS:

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



LEVEL SPREADER



SECTION A-A

SEDIMENT RETENTION POND - DECANT DETAIL

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PORIRUA

TITLE:
PROPOSED EROSION & SEDIMENT CONTROL
STANDARD DETAILS - SHEET 2
STAGE 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: 1753-02
DRAWING No: 2451
REVISION: R1