





LEGEND:

 INDICATES EXISTING CONTOURS SHOWN AT 2m INTERVALS

 INDICATES CUT CONTOURS SHOWN AT 1m INTERVALS

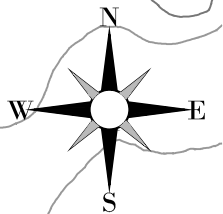
 INDICATES FILL CONTOURS SHOWN AT 1m INTERVALS

 INDICATES EXTENT OF EARTHWORKS & STAGING BOUNDARY

NOTES:

1. EXISTING CONTOURS ARE A COMBINATION OF 2023 LIDAR SOURCED FROM KOORDINATES DATABASE AND SPECIFIC LOCATION SITE SURVEY.

2. CUT/FILL CONTOURS SHOWN ARE THE DIFFERENCE BETWEEN EXISTING SUBGRADE (ASSUMED 300mm AVERAGE TOPSOIL) AND PROPOSED SUBGRADE (AVERAGE 200mm BELOW FGL).



EW STAGE 2C (SH59)
CUT = 7,500m³
FILL = 10,000m³
UNSUITABLE = 2,500m³
(5,000m³ CUT TO COME FROM STAGE 2B)

EW STAGE 5
CUT = 32,500m³
FILL = 30,000m³
UNSUITABLE = 2,500m³

EW STAGE 3
CUT = 215,000m³
FILL = 200,000m³
UNSUITABLE = 15,000m³

EW STAGE 1
CUT = 227,500m³
FILL = 185,000m³
UNSUITABLE = 42,500m³

(EW STAGE 1)

(EW STAGE 1)
FILL TO RL 102.0)

EW STAGE 2A
CUT = 230,000m³
FILL = 75,000m³
UNSUITABLE = 10,000m³
(EXCESS CUT TO STAGE 2B & STAGE 2C)

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025


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

TITLE:
PROPOSED EARTHWORKS
CONCEPT STAGING PLAN
SHEET 1 OF 5




DESIGNED: PWJ	DRAWN: PWJ	REVISION:
CHECKED: KD	PLOT DATE: 13-11-2025	
SCALE A1: 1:1250	SCALE A3: 1:2500	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1753-02	2281	R1


LEGEND:




INDICATES EXISTING CONTOURS
SHOWN AT 2m INTERVALS



INDICATES CUT CONTOURS
SHOWN AT 1m INTERVALS



INDICATES FILL CONTOURS
SHOWN AT 1m INTERVALS



INDICATES EXTENT OF EARTHWORKS
& STAGING BOUNDARY

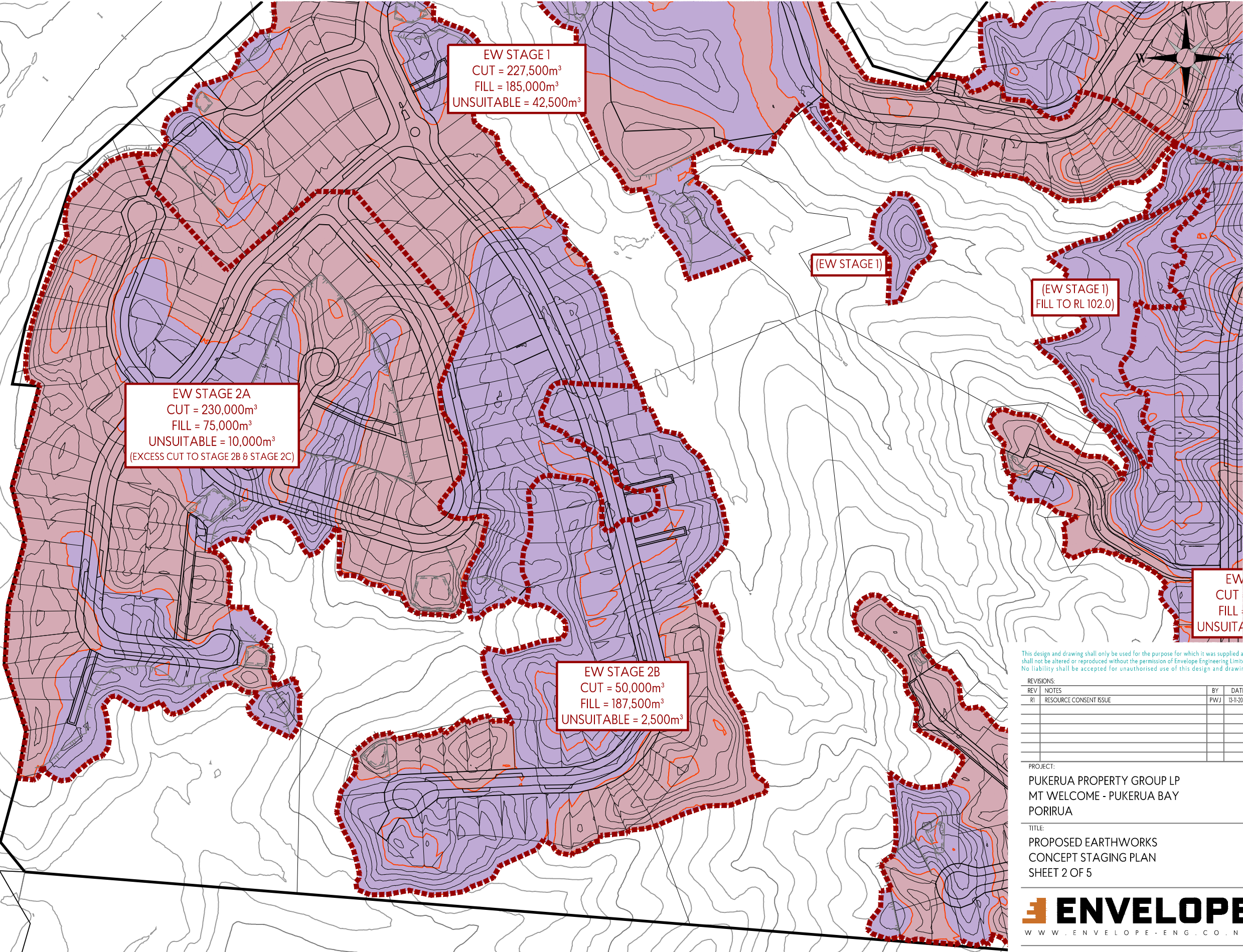
NOTES:

1.

EXISTING CONTOURS ARE A COMBINATION OF 2023
LIDAR SOURCED FROM KOORDINATES DATABASE AND
SPECIFIC LOCATION SITE SURVEY.

2.

CUT/FILL CONTOURS SHOWN ARE THE DIFFERENCE
BETWEEN EXISTING SUBGRADE (ASSUMED 300mm
AVERAGE TOPSOIL) AND PROPOSED SUBGRADE
(AVERAGE 200mm BELOW FGL).



This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

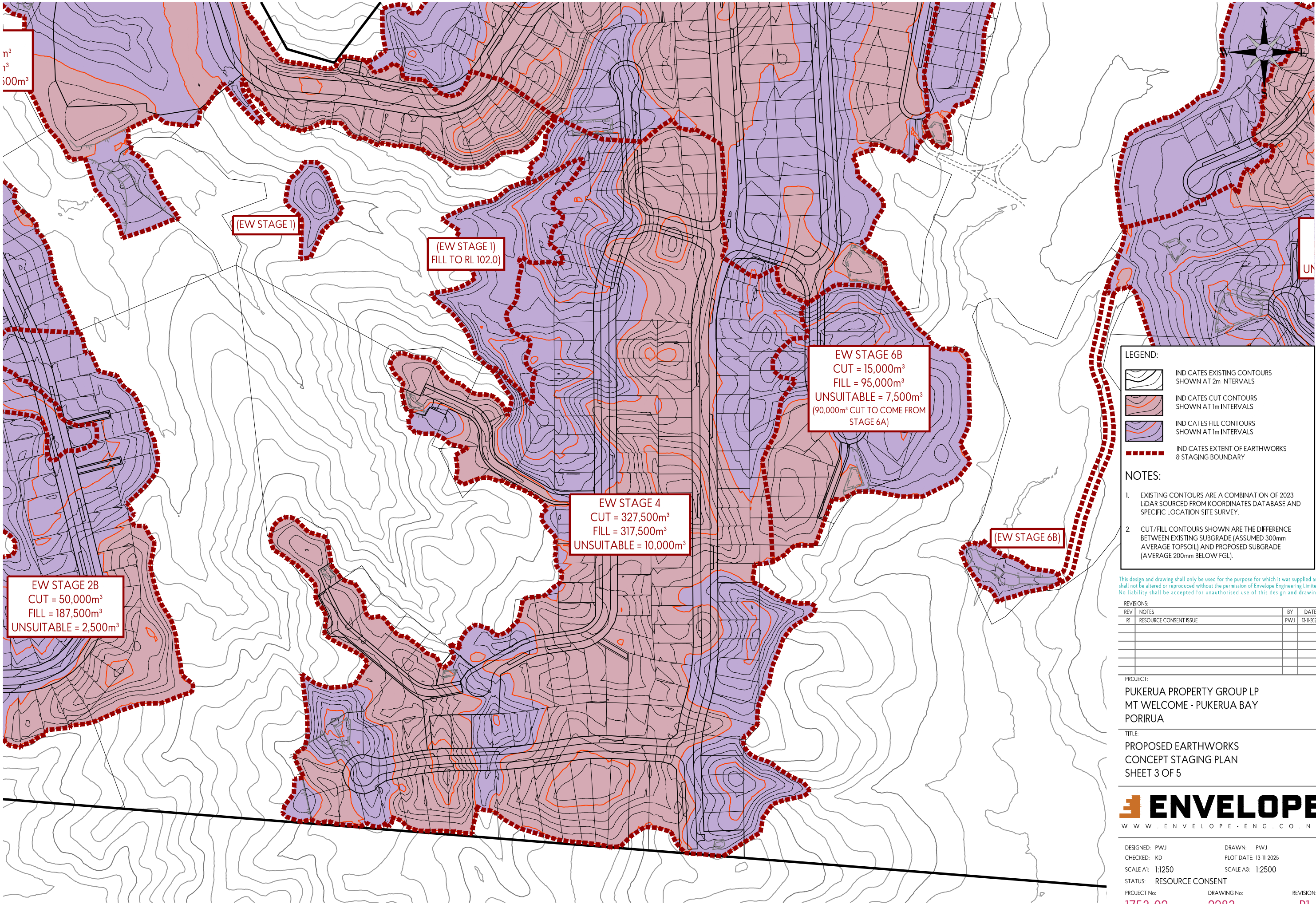
REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025

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

TITLE:
PROPOSED EARTHWORKS
CONCEPT STAGING PLAN
SHEET 2 OF 5



DESIGNED: PWJ	DRAWN: PWJ	REVISION:
CHECKED: KD	PLOT DATE: 13-11-2025	
SCALE A1: 1:1250	SCALE A3: 1:2500	
STATUS: RESOURCE CONSENT		
PROJECT No: 1753-02	DRAWING No: 2282	



m³
100m³

LEGEND:

- INDICATES EXISTING CONTOURS SHOWN AT 2m INTERVALS
- INDICATES CUT CONTOURS SHOWN AT 1m INTERVALS
- INDICATES FILL CONTOURS SHOWN AT 1m INTERVALS
- INDICATES EXTENT OF EARTHWORKS & STAGING BOUNDARY

NOTES:

- EXISTING CONTOURS ARE A COMBINATION OF 2023 LIDAR SOURCED FROM KOORDINATES DATABASE AND SPECIFIC LOCATION SITE SURVEY.
- CUT/FILL CONTOURS SHOWN ARE THE DIFFERENCE BETWEEN EXISTING SUBGRADE (ASSUMED 300mm AVERAGE TOPSOIL) AND PROPOSED SUBGRADE (AVERAGE 200mm BELOW FGL).

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025

PROJECT:

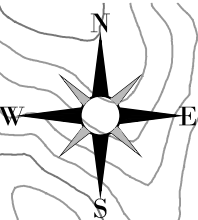
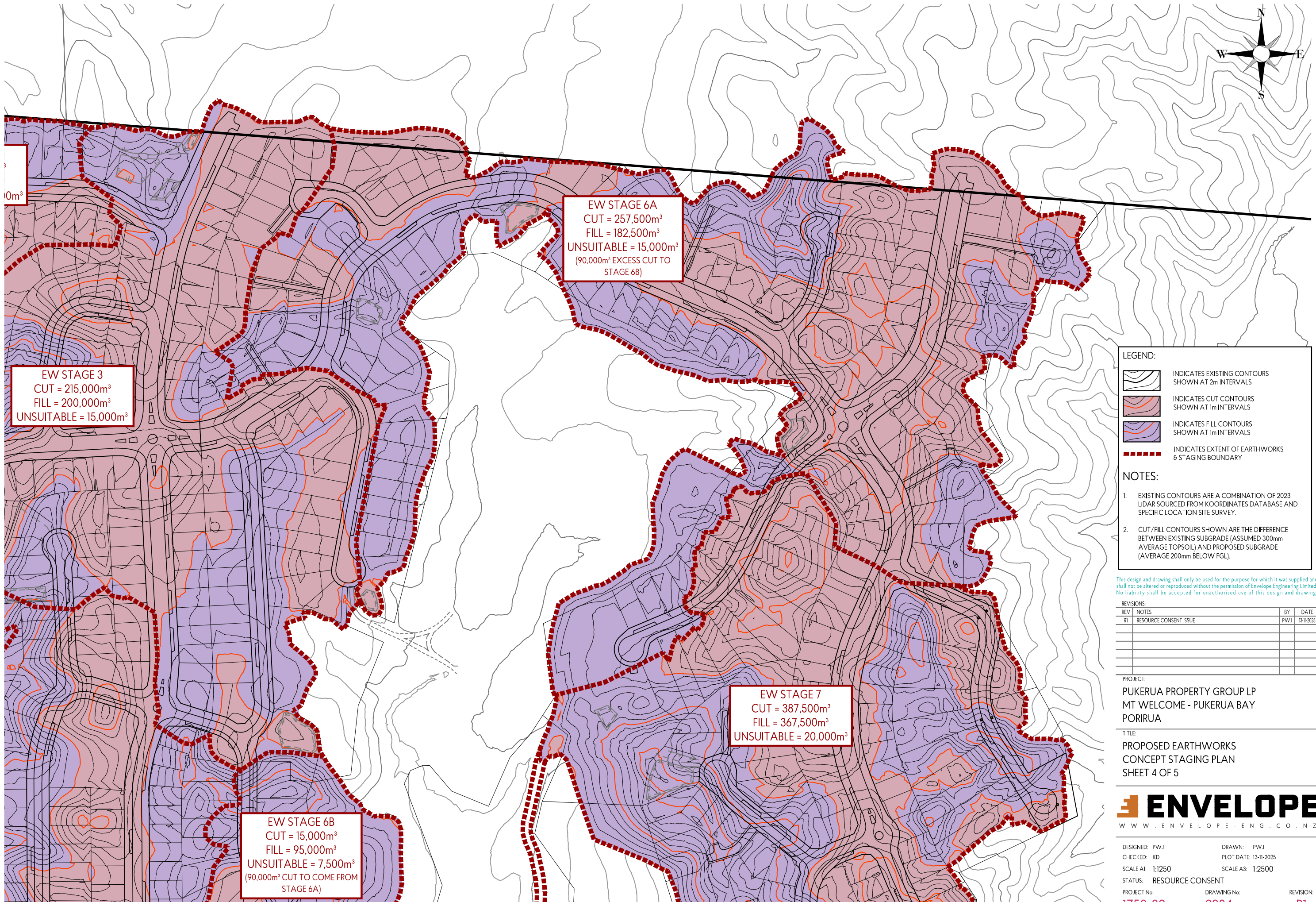
PUKERUA PROPERTY GROUP LP
MT WELCOME - PUKERUA BAY
PORIRUA

TITLE:

PROPOSED EARTHWORKS
CONCEPT STAGING PLAN
SHEET 3 OF 5



DESIGNED: PWJ	DRAWN: PWJ	REVISION:
CHECKED: KD	PLOT DATE: 13-11-2025	
SCALE A1: 1:1250	SCALE A3: 1:2500	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1753-02	2283	R1



LEGEND:

- INDICATES EXISTING CONTOURS SHOWN AT 2m INTERVALS
- INDICATES CUT CONTOURS SHOWN AT 1m INTERVALS
- INDICATES FILL CONTOURS SHOWN AT 1m INTERVALS
- INDICATES EXTENT OF EARTHWORKS & STAGING BOUNDARY

NOTES:

- EXISTING CONTOURS ARE A COMBINATION OF 2023 LIDAR SOURCED FROM KOORDINATES DATABASE AND SPECIFIC LOCATION SITE SURVEY.
- CUT/FILL CONTOURS SHOWN ARE THE DIFFERENCE BETWEEN EXISTING SUBGRADE (ASSUMED 300mm AVERAGE TOPSOIL) AND PROPOSED SUBGRADE (AVERAGE 200mm BELOW FGL).

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

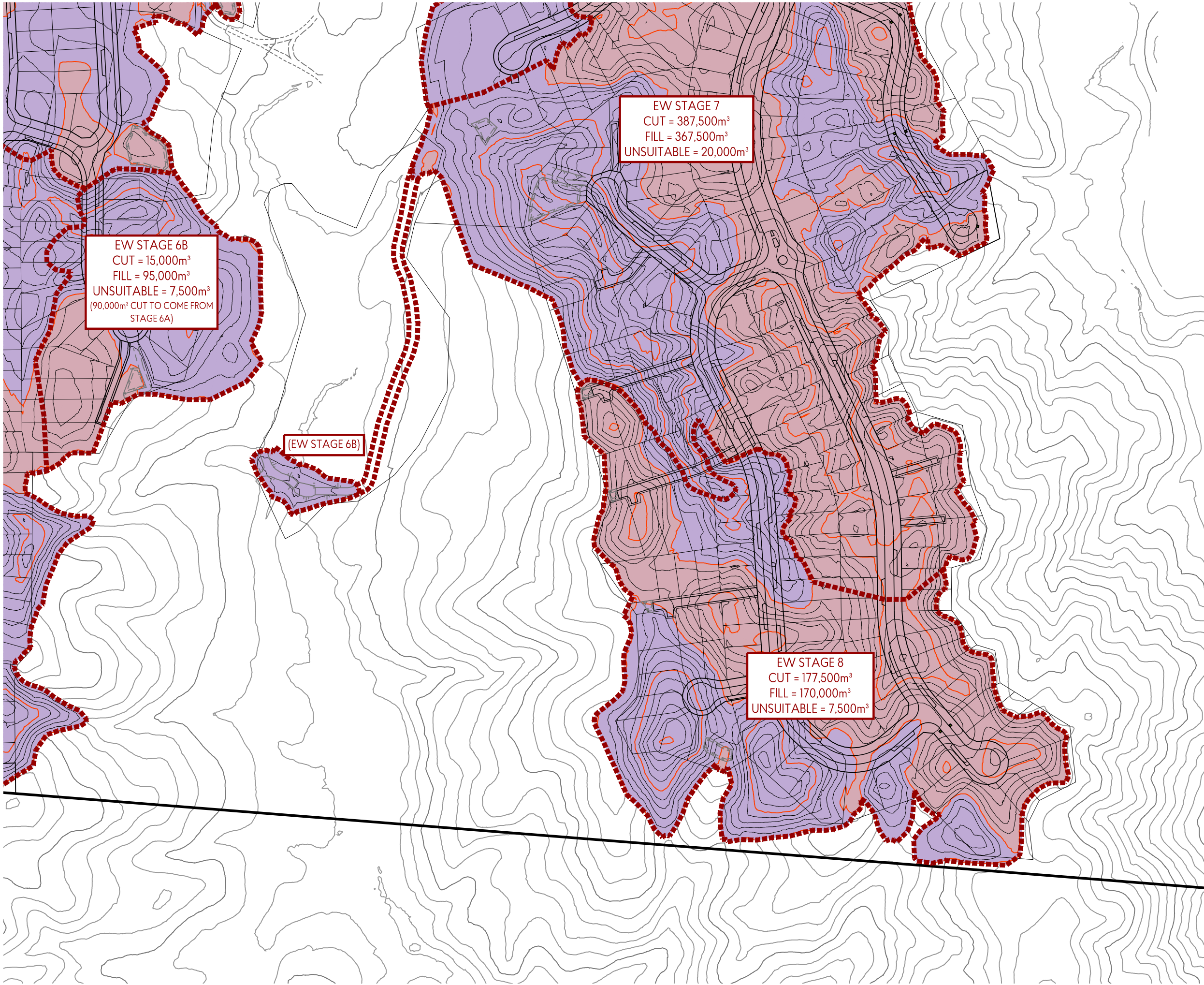
REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025

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

TITLE:
PROPOSED EARTHWORKS
CONCEPT STAGING PLAN
SHEET 4 OF 5



DESIGNED: PWJ	DRAWN: PWJ	REVISION:
CHECKED: KD	PLOT DATE: 13-11-2025	
SCALE A1: 1:1250	SCALE A3: 1:2500	
STATUS: RESOURCE CONSENT		
PROJECT No: 1753-02	DRAWING No: 2284	



EW STAGE 6B
CUT = 15,000m³
FILL = 95,000m³
UNSUITABLE = 7,500m³
(90,000m³ CUT TO COME FROM STAGE 6A)

(EW STAGE 6B)

EW STAGE 7
CUT = 387,500m³
FILL = 367,500m³
UNSUITABLE = 20,000m³

EW STAGE 8
CUT = 177,500m³
FILL = 170,000m³
UNSUITABLE = 7,500m³

LEGEND:

- INDICATES EXISTING CONTOURS SHOWN AT 2m INTERVALS
- INDICATES CUT CONTOURS SHOWN AT 1m INTERVALS
- INDICATES FILL CONTOURS SHOWN AT 1m INTERVALS
- INDICATES EXTENT OF EARTHWORKS & STAGING BOUNDARY

NOTES:

- EXISTING CONTOURS ARE A COMBINATION OF 2023 LIDAR SOURCED FROM KOORDINATES DATABASE AND SPECIFIC LOCATION SITE SURVEY.
- CUT/FILL CONTOURS SHOWN ARE THE DIFFERENCE BETWEEN EXISTING SUBGRADE (ASSUMED 300mm AVERAGE TOPSOIL) AND PROPOSED SUBGRADE (AVERAGE 200mm BELOW FGL).

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
R1	RESOURCE CONSENT ISSUE	PWJ	13-11-2025

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

TITLE:
PROPOSED EARTHWORKS
CONCEPT STAGING PLAN
SHEET 5 OF 5



DESIGNED: PWJ	DRAWN: PWJ	REVISION: R1
CHECKED: KD	PLOT DATE: 13-11-2025	
SCALE A1: 1:1250	SCALE A3: 1:2500	
STATUS: RESOURCE CONSENT		
PROJECT No:	DRAWING No:	
1753-02	2285	