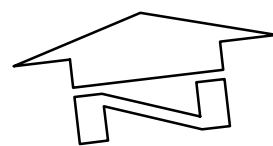
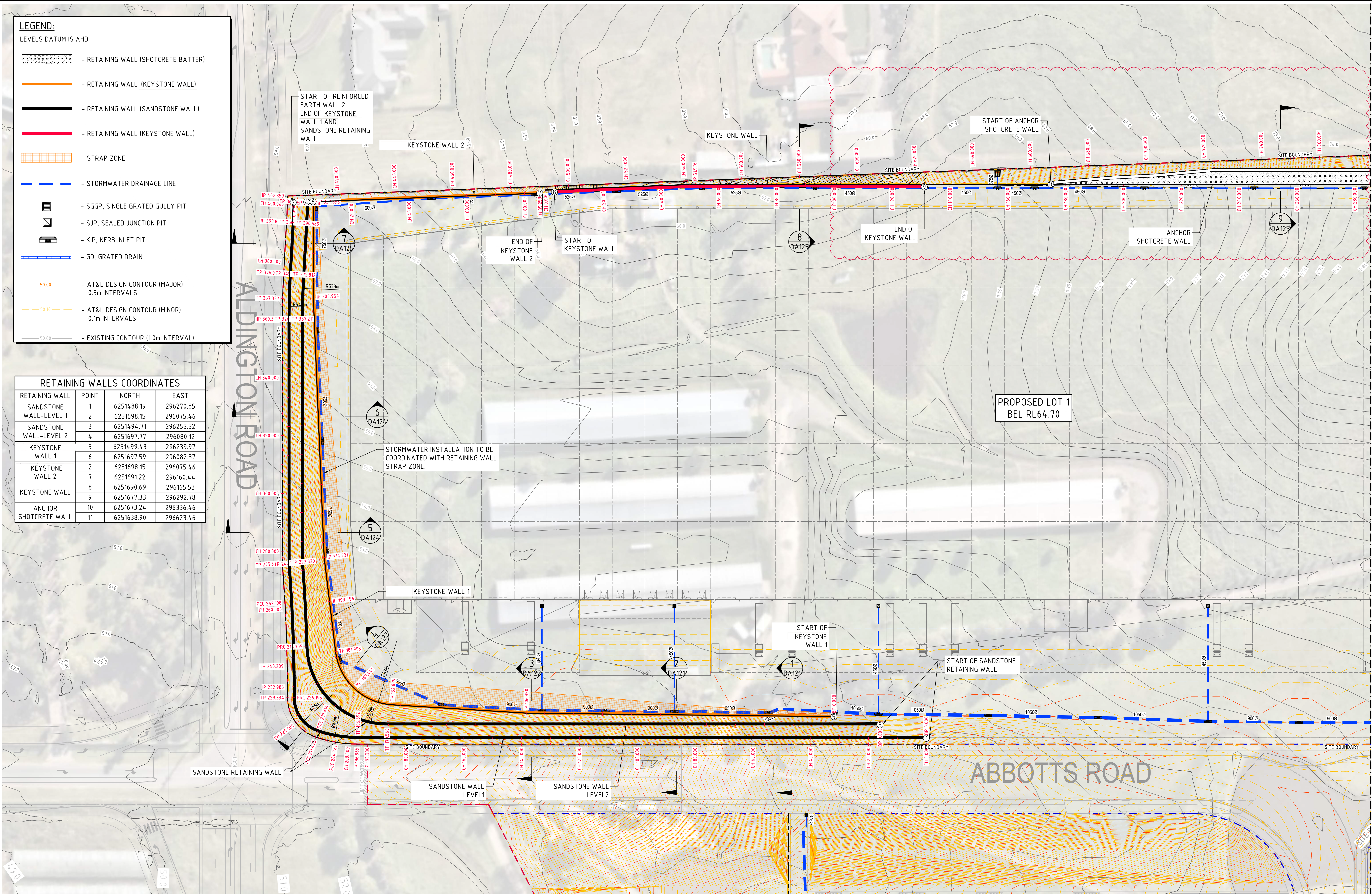


LEGEND:
LEVELS DATUM IS AHD.

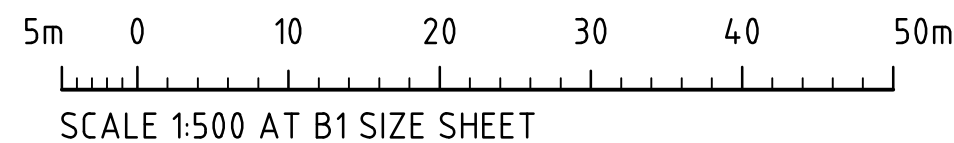
- RETAINING WALL (SHOTCRETE BATTER)
- RETAINING WALL (KEYSTONE WALL)
- RETAINING WALL (SANDSTONE WALL)
- RETAINING WALL (KEYSTONE WALL)
- STRAP ZONE
- STORMWATER DRAINAGE LINE
- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN
- AT&L DESIGN CONTOUR (MAJOR) 0.5m INTERVALS
- AT&L DESIGN CONTOUR (MINOR) 0.1m INTERVALS
- EXISTING CONTOUR (1.0m INTERVAL)

RETAINING WALLS COORDINATES			
RETAINING WALL	POINT	NORTH	EAST
SANDSTONE WALL-LEVEL 1	1	6251488.19	296270.85
	2	6251698.15	296075.46
SANDSTONE WALL-LEVEL 2	3	6251494.71	296255.52
	4	6251697.77	296080.12
KEYSTONE WALL 1	5	6251499.43	296239.97
KEYSTONE WALL 1	6	6251697.59	296082.37
KEYSTONE WALL 2	2	6251698.15	296075.46
KEYSTONE WALL 2	7	6251691.22	296160.44
KEYSTONE WALL	8	6251690.69	296165.53
KEYSTONE WALL	9	6251677.33	296292.78
ANCHOR SHOTCRETE WALL	10	6251673.24	296336.46
ANCHOR SHOTCRETE WALL	11	6251638.90	296623.46



LOT 1 SITE PLAN - SHEET 1
SCALE 1:500

FOR INFORMATION



AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS CLUDED	11.08.23	D			
ISSUED FOR INFORMATION	26.04.23	C			
ISSUED FOR INFORMATION	03.03.23	B			
ISSUED FOR INFORMATION	12.12.22	A			

ARCHITECT	CLIENT



PROJECT ESR WESTLINK ESTATE 290-308 ALDINGTON RD, 59-63 ABBOTTS RD & 1030-1064 MAMRE RD, KEMPS CREEK NSW 2178					
DESIGNED	DRAWN	DATE	CHECKED	SIZE	CAD REF:
DS	PB	OCT '22	DS	B1	CO13807.03-DA111



Costin Roe Consulting Pty Ltd.
ABN 50 003 696 446
PO Box N419 Sydney NSW 1220
Level 4, 8 Windmill Street, Millers Point NSW 2000
p: +61 2 9251 7699 f: +61 2 9241 3731
e: mail@costinroe.com.au w: costinroe.com.au



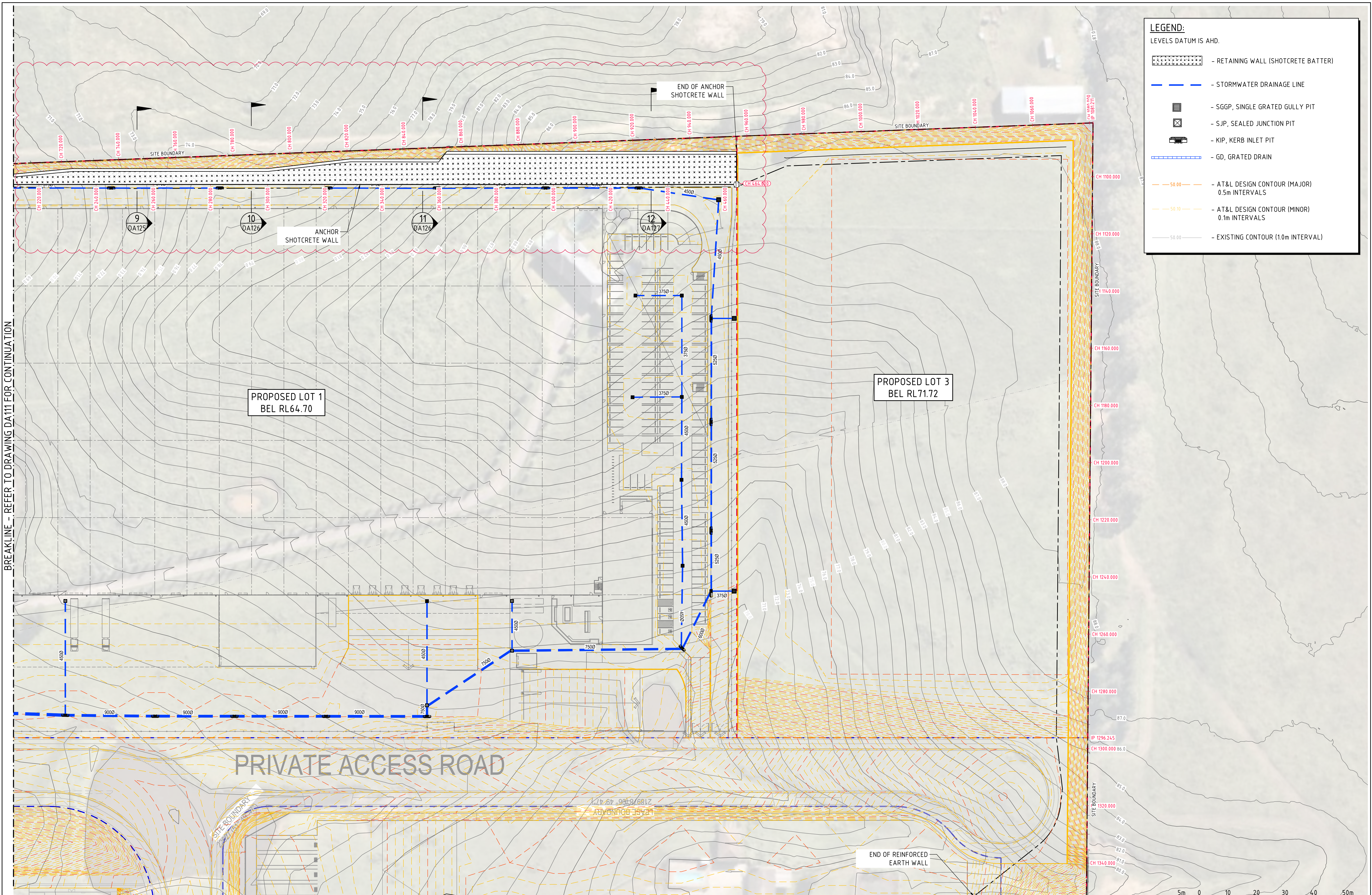
DRAWING TITLE
LOT 1 SITE PLAN

DRAWING No
CO13807.03-DA111

ISSUE
D

BREAKLINE - REFER TO DRAWING DA112 FOR CONTINUATION

BREAKLINE - REFER TO DRAWING DA111 FOR CONTINUATION

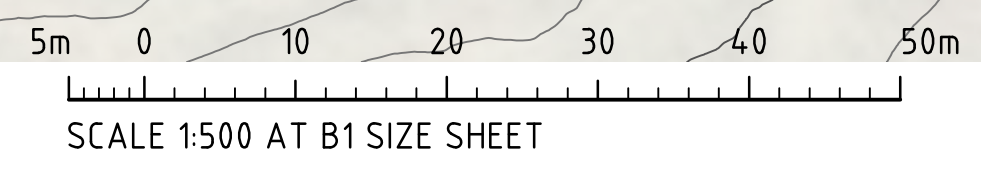


LEGEND:
LEVELS DATUM IS AHD.

- RETAINING WALL (SHOTCRETE BATTER)
- STORMWATER DRAINAGE LINE
- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN
- AT&L DESIGN CONTOUR (MAJOR) 0.5m INTERVALS
- AT&L DESIGN CONTOUR (MINOR) 0.1m INTERVALS
- EXISTING CONTOUR (1.0m INTERVAL)

LOT 3 SITE PLAN
SCALE 1:500

FOR INFORMATION

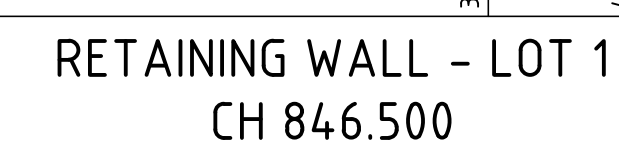
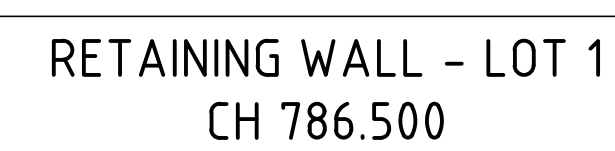


REVISED AS CLUDED11.08.23D ISSUED FOR INFORMATION26.04.23C ISSUED FOR INFORMATION03.03.23B ISSUED FOR INFORMATION12.12.22A AMENDMENTS			PROJECT ESR WESTLINK ESTATE 290-308 ALDINGTON RD, 59-63 ABBOTTS RD & 1030-1064 MAMRE RD, KEMPS CREEK NSW 2178			CLIENT			ARCHITECT			COSTIN ROE CONSULTING Pty Ltd. ABN 50 003 696 446 PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 f: +61 2 9241 3731 e: mail@costinroe.com.au w: costinroe.com.au			DRAWING TITLE LOT 3 SITE PLAN			DRAWING No C013807.03-DA112			ISSUE D		
DATE 11.08.23			DATE 26.04.23			DATE 03.03.23			DATE 12.12.22			DATE 11.08.23			DATE 26.04.23			DATE 03.03.23			DATE 12.12.22		
ISSUE D			ISSUE C			ISSUE B			ISSUE A			ISSUE D			ISSUE C			ISSUE B			ISSUE A		

- - DENOTES BULK EARTHWORKS PROFILE
- - - DENOTES EXISTING PROFILE
- PERMANENT PASSIVE DOWEL
- PERMANENT PASSIVE ROCKBOLT

ALL ANCHOR TYPES, POSITION, LEVELS AND DETAILS SHOWN
INDICATIVELY. REFER TO DOUGLAS PARTNERS DRAWINGS FOR
DETAILS AND SPECIFICATIONS.

SHORTCRETE FACE SHALL BE 200mm THICK, $f'_c=32\text{MPa}$. AND REINFORCED WITH SL102 CENTRAL, PROVIDE ADDITIONAL 2N12 EACH WAY, 1200mm LONG AT EACH ANCHOR.



FOR INFORMATION

ARCHITECT	



CONSULT AUSTRALIA

CRC
COSTIN ROE
CONSULTING

**CIVIL &
STRUCTURAL
ENGINEERS**

DRAWING TITLE	
RETAINING WALL SECTIONS - LOT 1	
SHEET 6	
DRAWING No	ISSUE
C013807.03-DA 126	F

LEGEND:

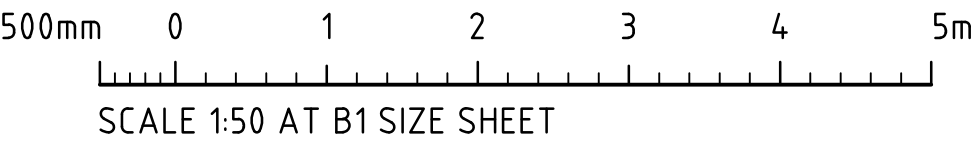
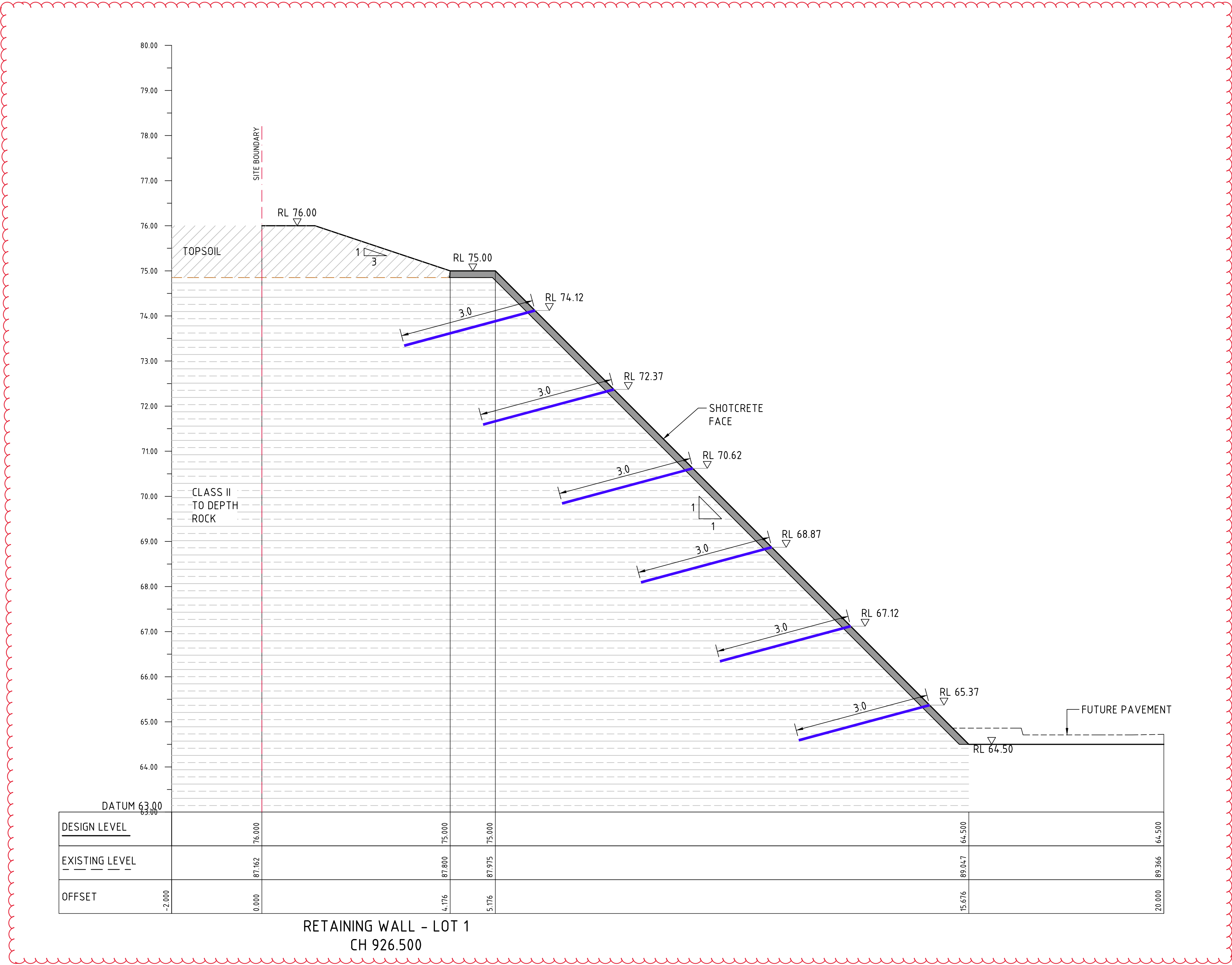
- DENOTES BULK EARTHWORKS PROFILE
- DENOTES EXISTING PROFILE
- PERMANENT PASSIVE DOWEL
- PERMANENT PASSIVE ROCKBOLT

ANCHOR NOTE:

ALL ANCHOR TYPES, POSITION, LEVELS AND DETAILS SHOWN INDICATIVELY. REFER TO DOUGLAS PARTNERS DRAWINGS FOR DETAILS AND SPECIFICATIONS.

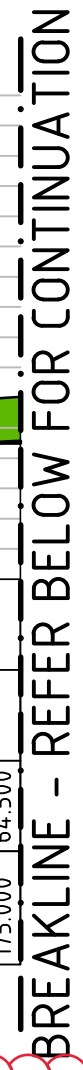
SHOTCRETE FACE NOTE:

SHOTCRETE FACE SHALL BE 200mm THICK, $f'c=32MPa$. AND REINFORCED WITH SL102 CENTRAL, PROVIDE ADDITIONAL 2N12 EACH WAY, 1200mm LONG AT EACH ANCHOR.



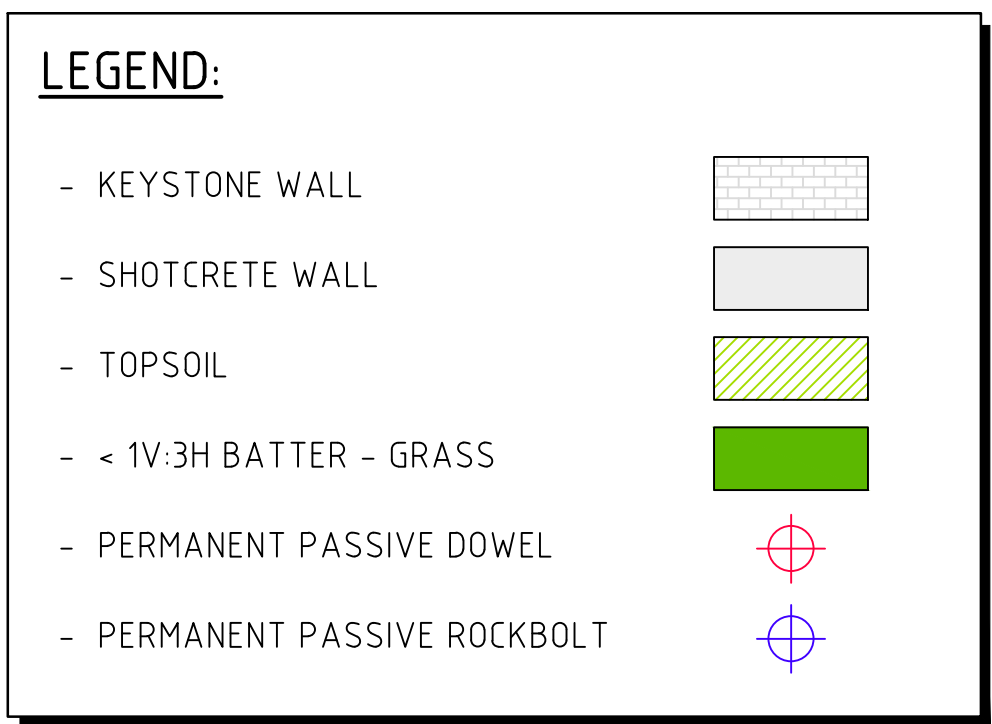
FOR INFORMATION

ISSUED FOR INFORMATION ISSUED FOR INFORMATION ISSUED FOR INFORMATION ISSUED FOR INFORMATION ISSUED FOR INFORMATION AMENDMENTS 11.08.23 26.04.23 06.03.23 03.03.23 12.12.22 DATE E D C B A ISSUE	ARCHITECT CLIENT ESR	PROJECT ESR WESTLINK ESTATE 290-308 ALDINGTON RD, 59-63 ABBOTTS RD & 1030-1064 MAMRE RD, KEMPS CREEK NSW 2178 DESIGNED DRAWN DATE CHECKED SIZE SCALE CAD REF: DS PB OCT '22 DS B1 AS SHOWN CO13807.03-DA127	CONSULT AUSTRALIA Costin Roe Consulting Pty Ltd. ABN 50 003 696 446 PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 e: mail@costinroe.com.au w: costinroe.com.au CIVIL & STRUCTURAL ENGINEERS	DRAWING TITLE RETAINING WALL SECTIONS - LOT 1 SHEET 7 DRAWING No C013807.03-DA 127 ISSUE E
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CHAINAGE	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000
HEIGHT (m)	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500
TOP OF WALL R.L. (m)	65.685	66.365	66.975	67.842	68.000	69.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	71.500	73.000	74.500	76.000	76.000	76.000	76.000	76.000
BOTTOM OF WALL R.L. (m)	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500	64.500

ELEVATION PROJECTED BY KEYSTONE AND SHORTCRETE WALL CHAINAGE



NOTE:
ALL ANCHOR TYPES, POSITION, LEVELS AND DETAILS SHOWN INDICATIVELY. REFER TO DOUGLAS PARTNERS DRAWINGS FOR DETAILS AND SPECIFICATIONS.



ISSUED FOR INFORMATION			11.08.23	E	ARCHITECT	CLIENT		PROJECT ESR WESTLINK ESTATE 290-308 ALDINGTON RD, 59-63 ABBOTTS RD & 1030-1064 MAMRE RD, KEMPS CREEK NSW 2178		Costin Roe Consulting Pty Ltd. ABN 50 003 696 446 PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 e: mail@costinroe.com.au w: costinroe.com.au	 CIVIL & STRUCTURAL ENGINEERS	DRAWING TITLE RETAINING WALL ELEVATION - LOT 1 SHEET 2
ISSUED FOR INFORMATION			26.04.23	D								
ISSUED FOR INFORMATION			06.03.23	C								
ISSUED FOR INFORMATION			30.01.23	B								
ISSUED FOR INFORMATION			23.01.22	A								
AMENDMENTS		DATE	ISSUE	AMENDMENTS		DATE	ISSUE					
								DESIGNED: DS DRAWN: PB DATE: OCT '22 CHECKED: DS SIZE: B1 SCALE: AS SHOWN CAD REF: C013807.03-DA141				
								DRAWING No: C013807.03-DA 141 ISSUE: F				