

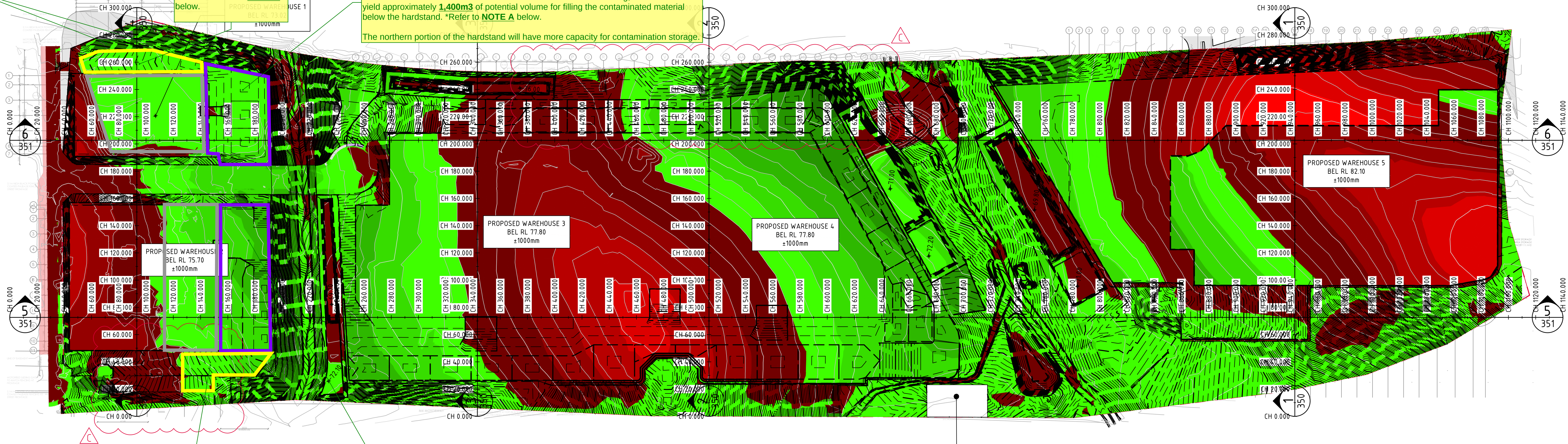
Name	B	Mid-Ordinate ...	Cut Factor	Fill Factor	Style	2d Area(sq.m)	Cut(adjusted)(Cu. ...	Fill(adjusted)(Cu. ...	Net(adjusted)(Cu. ...	Net Graph
☒ IDESIGN SSDA BEL FINAL VOL			1.000	1.000	CRC Depth ...	274116.30	358302.41	276206.49	82095.93<Cut>	
☐ LOT 1 - EASTERN HARDSTAND		1.000	1.000	1.000		3013.23	1.91	4198.74	4196.83<Fill>	
☐ LOT 1 - UNDER WAREHOUSE		1.000	1.000	1.000		4377.82	48.28	2321.12	2272.85<Fill>	
☐ LOT 2 - EASTERN HARDSTAND		1.000	1.000	1.000		3963.35	0.00	14216.68	14216.68<Fill>	
☐ LOT 2 - SOUTHERN CAR PARK		1.000	1.000	1.000		1343.26	1.95	2278.26	2276.31<Fill>	
☐ LOT 2 - UNDER WAREHOUSE (EASTERN PORTION)		1.000	1.000	1.000		4481.52	45.11	7309.63	7264.52<Fill>	
☐ LOT 1 - NORTHERN CARPARK		1.000	1.000	1.000		1471.07	0.00	1557.13	1557.13<Fill>	

Recent request from client to keep existing levels outside car park to retain trees, no opportunity for capping

Some opportunity to utilise the fill below the carpark for capping of contaminated material. *Refer to **NOTE A** below.

Assessed the feasibility of capping the contaminated material beneath the hardstand. Allowing for a 500mm cap over the contaminated material, excluding the OSD tank's volume of approximately 700m3, spoil for services @ 1500m3/ha and starting the fill of the contaminated material at least 1V:1H from the face of the building, the area would yield approximately **1,400m3** of potential volume for filling the contaminated material below the hardstand. *Refer to **NOTE A** below.

The northern portion of the hardstand will have more capacity for contamination storage.



Assessed the feasibility of capping the contaminated material beneath the carpark. Allowing for a 500mm cap over the contaminated material and excluding the OSD tank's volume of approximately 1,200m3, spoil for services @ 1500m3/ha and starting the fill of the contaminated material at least 1V:1H from the face of the building, would area yield approximately **8,000m3** of potential volume for filling the contaminated material below the hardstand. *Refer to **NOTE A** below.

Assessed the feasibility of capping the contaminated material beneath the hardstand. Allowing for a 500mm cap over the contaminated material, and excluding the OSD tank's volume of approximately 1,200m3, spoil for services @ 1500m3/ha and starting the fill of the contaminated material at least 1V:1H from the face of the building, would area yield approximately **8,000m3** of potential volume for filling the contaminated material below the hardstand. *Refer to **NOTE A** below.

HERITAGE SITE SHOWN THUS. NO WORKS WITHIN HERITAGE ZONE. MATCH LEVELS AT BOUNDARY OF HERITAGE SITE.

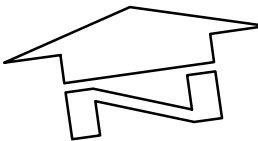
NOTE A:
The geotechnical engineer to verify the suitability of the contaminated material for foundation (bearing capacity), provide insights into the long- and short-term modulus (E value) of the soil, -CBR value, guidance on shrinkage and swelling, identification of material type, and related recommendations.

No remediation works proposed within the the floodway.

REMEDIAION ACTION PLAN by JBS&G:

Impacted fill will be managed to the extent achievable via containment and the implementation of permanent physical separation which eliminates the inhalation exposure pathway for airborne asbestos fibres.

The materials to be contained onsite under a marker and capping layer (that comprises 0.5 m of clean capping material and/or hardstand);

 **CUT/FILL PLAN**
SCALE 1:1500

DEPTH RANGE			
No.	FROM DEPTH	TO DEPTH	COLOUR
1	-11.000	-10.000	
2	-10.000	-9.000	
3	-9.000	-8.000	
4	-8.000	-7.000	
5	-7.000	-6.000	
6	-6.000	-5.000	
7	-5.000	-4.000	
8	-4.000	-3.000	
9	-3.000	-2.000	
10	-2.000	-1.000	
11	-1.000	0.000	
12	0.000	1.000	
13	1.000	2.000	
14	2.000	3.000	
15	3.000	4.000	
16	4.000	5.000	
17	5.000	6.000	
18	6.000	7.000	
19	7.000	8.000	
20	8.000	9.000	
21	9.000	10.000	

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR INFORMATION

REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D		
ADDITIONAL PARKING ADDED TO WH2, ACOUSTIC WALL & WALL TO WH3	10.07.23	C		
ISSUED FOR INFORMATION	30.06.23	B		
ISSUED FOR INFORMATION	22.06.23	A		
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE

ARCHITECT
PACE
ARCHITECTS

CLIENT
LOGOS

PROJECT PROPOSED WAREHOUSE DISTRIBUTION AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148	DESIGNED LDV	DRAWN JB	DATE JUNE '22	CHECKED MW	SIZE B1	SCALE AS SHOWN	CAD REF: C013904.03-SSDA310
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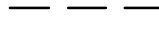
CONSULT AUSTRALIA

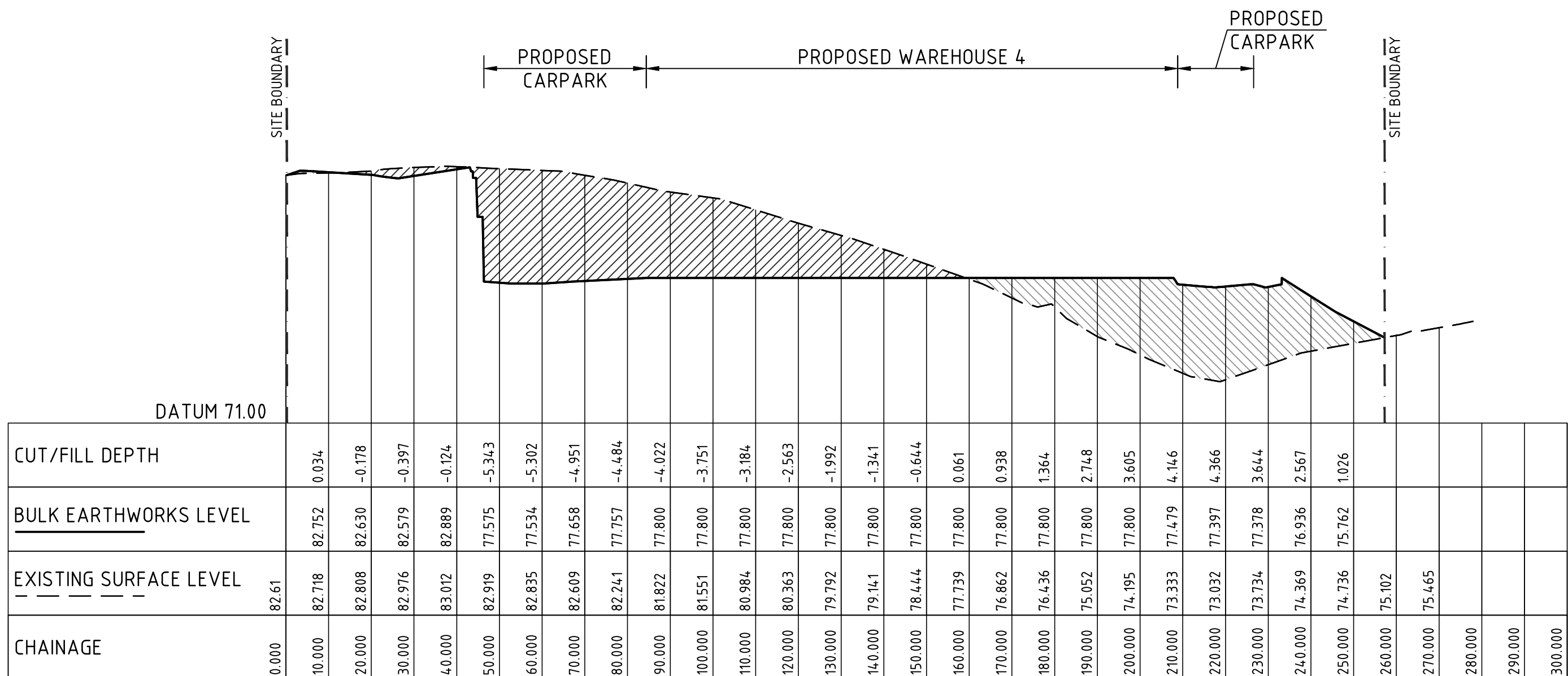
Costin Roe Consulting Pty Ltd.
ABN 50 003 696 446
PO Box N419 Sydney NSW 1220
Level 4, 8 Windmill Street, Millers Point NSW 2000
p: +61 2 9251 7699 f: +61 2 9241 3731
e: mail@costinroe.com.au w: costinroe.com.au

CRC
COSTIN ROE CONSULTING
CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE CUT/FILL PLAN	DRAWING No C013904.03-SSDA310	ISSUE D
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LEGEND:

	- DENOTES BULK EARTHWORKS PROFILE
	- DENOTES EXISTING PROFILE
	- DENOTES AREA IN CUT
	- DENOTES AREA IN FILL

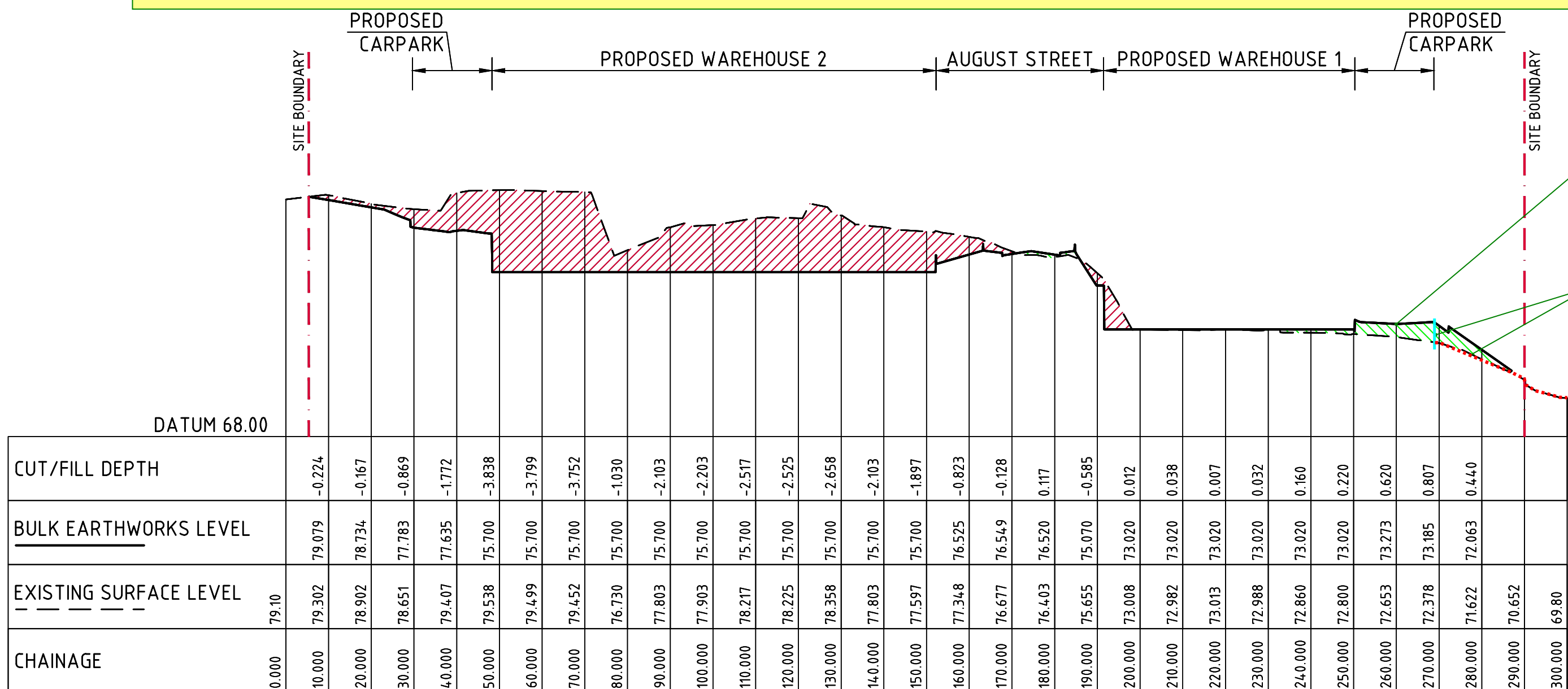


SECTION 2
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

No remediation works proposed within the the floodway.

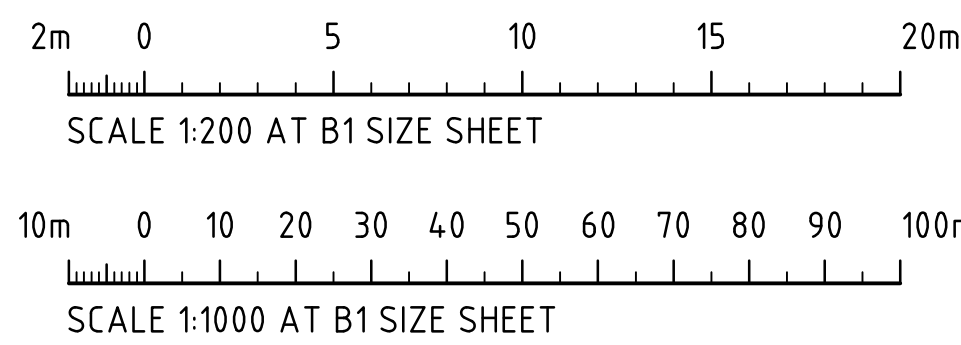
Impacted fill will be managed to the extent achievable via containment and the implementation of permanent physical separation which eliminates the inhalation exposure pathway for airborne asbestos fibres

The materials to be contained onsite under a marker and capping layer (that comprises 0.5 m of clean capping material and/or hardstand);



SECTION 4
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

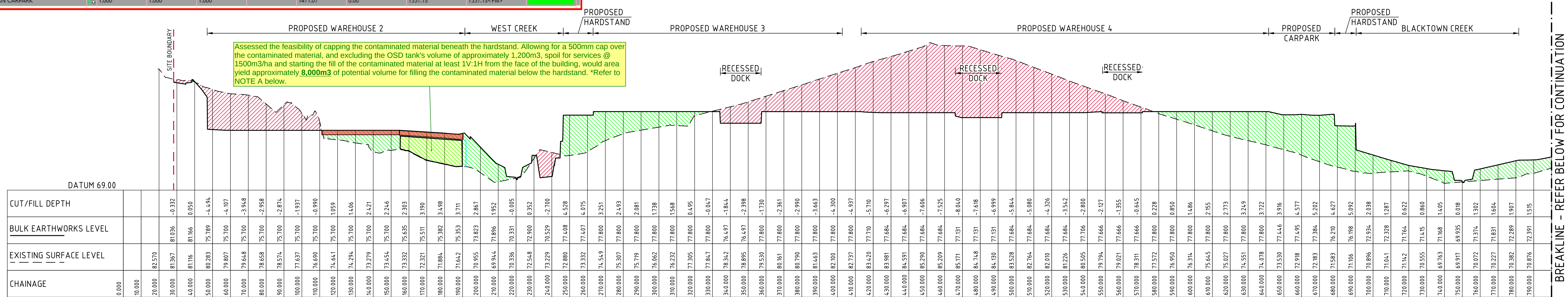
Recent request from client to keep existing levels outside car park to retain trees, no opportunity for capping.



FOR INFORMATION

[illegible]

Name	B	Mid-Ordinate	Cut Factor	Fill Factor	Style	2d Area(sq.m)	Cut(adjusted)/Cu...	Fill(adjusted)/Cu...	Net(adjusted)/Cu...	Net Graph
DESIGN SSDA BEL FINAL VOL					CRC Depth ...	27416.30	358302.41	276206.49	8209.93 < Cut-	
LOT 1 - EASTERN HARDSTAND	1,000	1,000	1,000	1,000		3013.23	1.91	4198.74	4196.83 < Fill-	
LOT 1 - UREIN WAREHOUSE	1,000	1,000	1,000	1,000		4377.82	48.28	2321.12	2272.85 < Fill-	
LOT 2 - EASTERN HARDSTAND	1,000	1,000	1,000	1,000		3963.35	0.00	14216.68	14216.68 < Fill-	
LOT 2 - SOUTHERN CAR PARK	1,000	1,000	1,000	1,000		1343.26	1.95	2278.26	2276.31 < Fill-	
LOT 2 - UREIN WAREHOUSE (EASTERN PORTION)	1,000	1,000	1,000	1,000		4481.52	45.11	7309.63	7264.52 < Fill-	
LOT 1 - NORTHERN CARPARK	1,000	1,000	1,000	1,000		1471.07	0.00	1557.13	1557.13 < Fill-	



REMEDIATION ACTION PLAN by JBS&G:

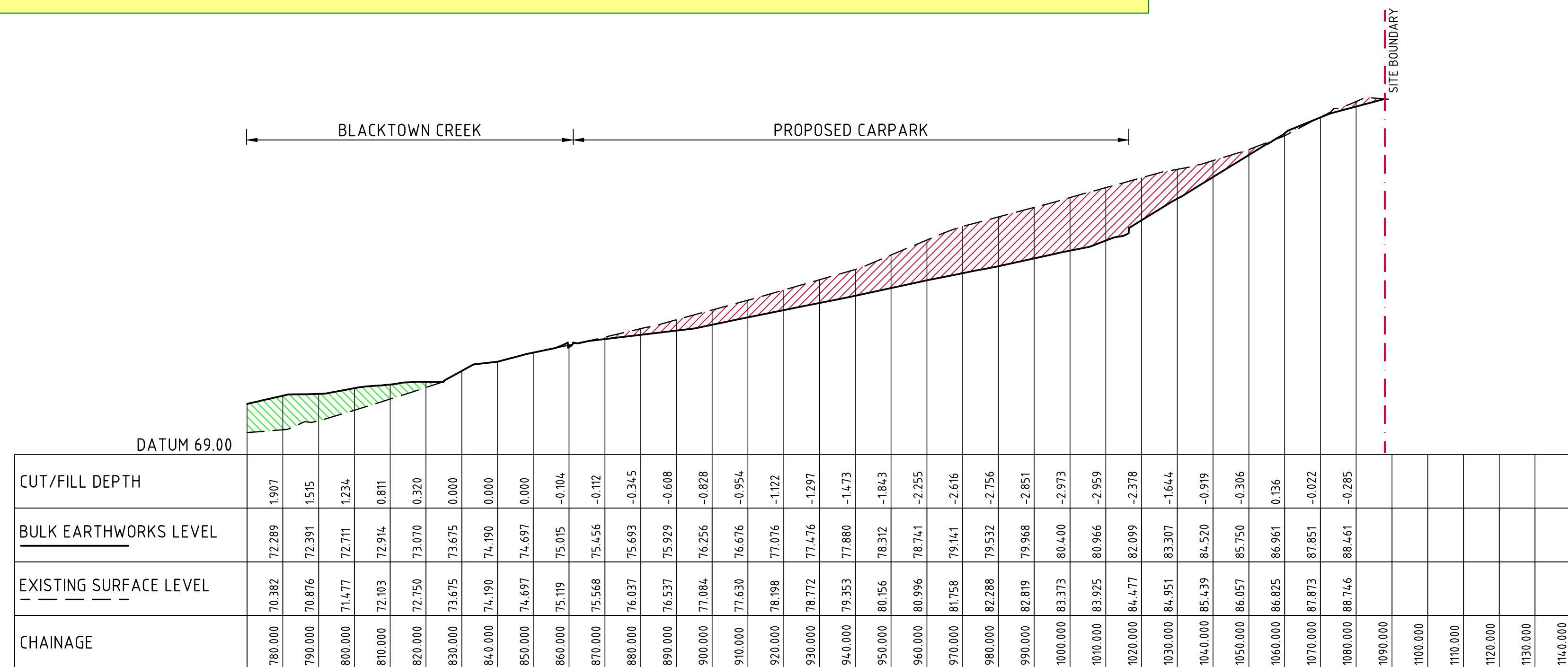
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NOTE A:

The geotechnical engineer to verify the suitability of the contaminated material for foundation (bearing capacity), provide insights into the long- and short-term modulus (E value) of the soil, -CBR value, guidance on shrinkage and swelling, identification of material type, and related recommendations.

No remediation works proposed within the the floodway.



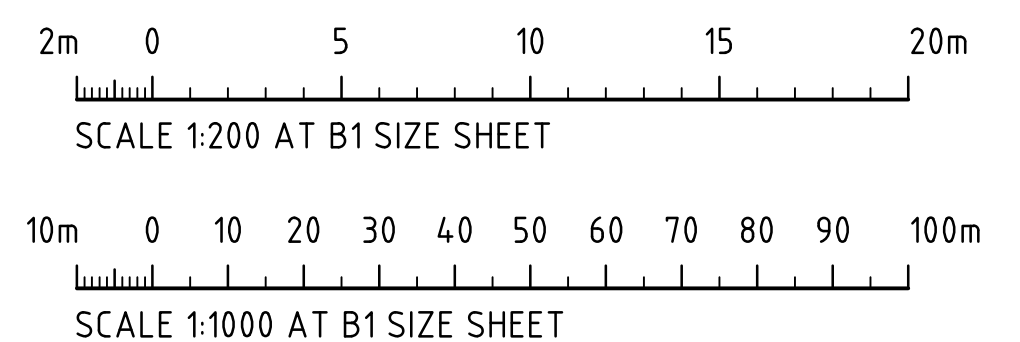
SECTION 5 - CONTINUATION

HORIZONTAL SCALE 1:1000

VERTICAL SCALE 1:200

LEGEND:

- - DENOTES BULK EARTHWORKS PROFILE
- - - - - DENOTES EXISTING PROFILE
-  - DENOTES AREA IN CUT
-  - DENOTES AREA IN FILL



FOR INFORMATION

			ARCHITECT		CLIENT		PROJECT		CONSULT AUSTRALIA		COSTIN ROE CONSULTING Pty Ltd.		CRC		DRAWING TITLE	
							PROPOSED WAREHOUSE DISTRIBUTION AUGUSTA STREET, WENTINGWOOD EAST, NSW 2148				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				BULK EARTHWORKS SECTIONS SHEET 2	
UPDATED ARCHITECTURAL MASTERPLAN 11.09.23 B							DESIGNED LDV DRAWN JB DATE JUNE '22 CHECKED MW SIZE B1 SCALE AS SHOWN CAD REF: C013904.03-SSDA351								DRAWING No C013904.03-SSDA351	
ISSUED FOR INFORMATION 22.06.23 A															ISSUE B	
AMENDMENTS DATE ISSUE			AMENDMENTS DATE ISSUE													

Name	B	Mid-Ordinate ...	Cut Factor	Fill Factor	Style	2d Area(sq.m)	Cut(adjusted)/(Cu. ...	Fill(adjusted)/(Cu. ...	Net(adjusted)/(Cu. ...	Net Graph
☒ IDESIGN SSDA BEL FINAL VOL			1.000	1.000	ICRC Depth ...	274116.30	358302.41	276206.49	82095.93<Cut>	
☐ LOT 1 - EASTERN HARDSTAND	1.000	1.000	1.000			3013.23	1.91	4198.74	4196.83<Fill>	
☐ LOT 1 - UNDER WAREHOUSE	1.000	1.000	1.000			4377.82	48.28	2321.12	2272.85<Fill>	
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☐ LOT 1 - NORTHERN CARPARK	1.000	1.000	1.000			1471.07	0.00	1557.13	1557.13<Fill>	

NOTE A:

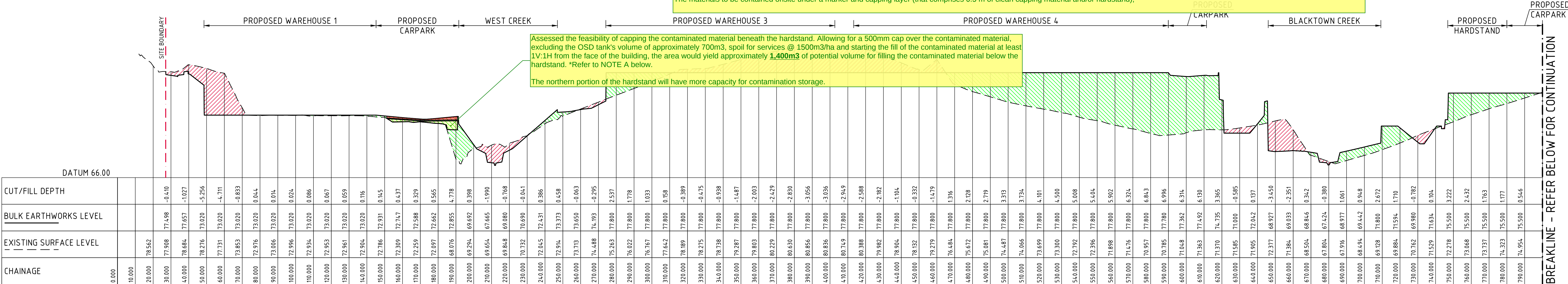
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No remediation works proposed within the the floodway.

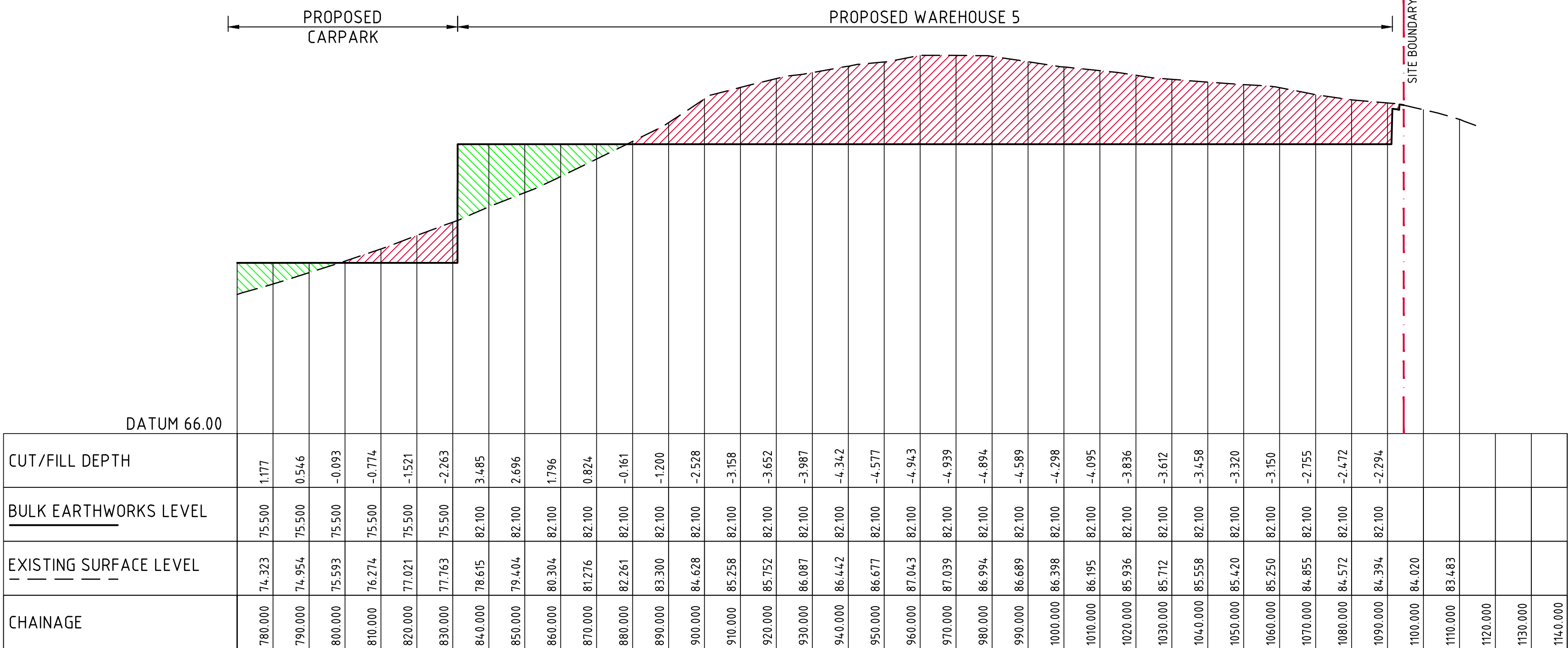
REMEDIATION ACTION PLAN by JBS&G:

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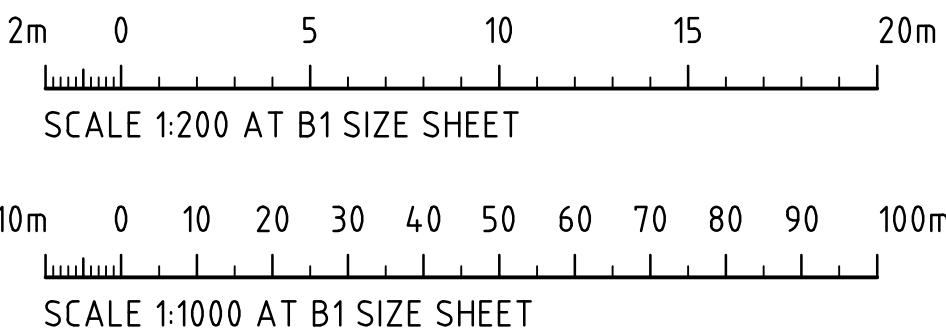
SECTION 6
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



SECTION 6 - CONTINUATION
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

LEGEND:

- DENOTES BULK EARTHWORKS PROFILE
- - - DENOTES EXISTING PROFILE
- ▨ DENOTES AREA IN CUT
- ▩ DENOTES AREA IN FILL



FOR INFORMATION

ARCHITECT			CLIENT			PROJECT			COSTIN ROE CONSULTING PTY LTD.			DRAWING TITLE		
P&C ARCHITECTS			LOGOS			PROPOSED WAREHOUSE DISTRIBUTION AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148			ABN 50 003 696 446			BULK EARTHWORKS SECTIONS SHEET 3		
UPDATED ARCHITECTURAL MASTERPLAN						CONSULT AUSTRALIA			PO Box N419 Sydney NSW 1220			DRAWING No		
ISSUED FOR INFORMATION						LEVEL 4, 8 Windmill Street, Millers Point NSW 2000			Level 4, 8 Windmill Street, Millers Point NSW 2000			C013904.03-SSDA352		
AMENDMENTS						p: +61 2 9251 7699			p: +61 2 9251 7699			C013904.03-SSDA352		
						e: mail@costinroe.com.au			e: mail@costinroe.com.au			ISSUE		
												B		