Prepared by:





Prepared for:



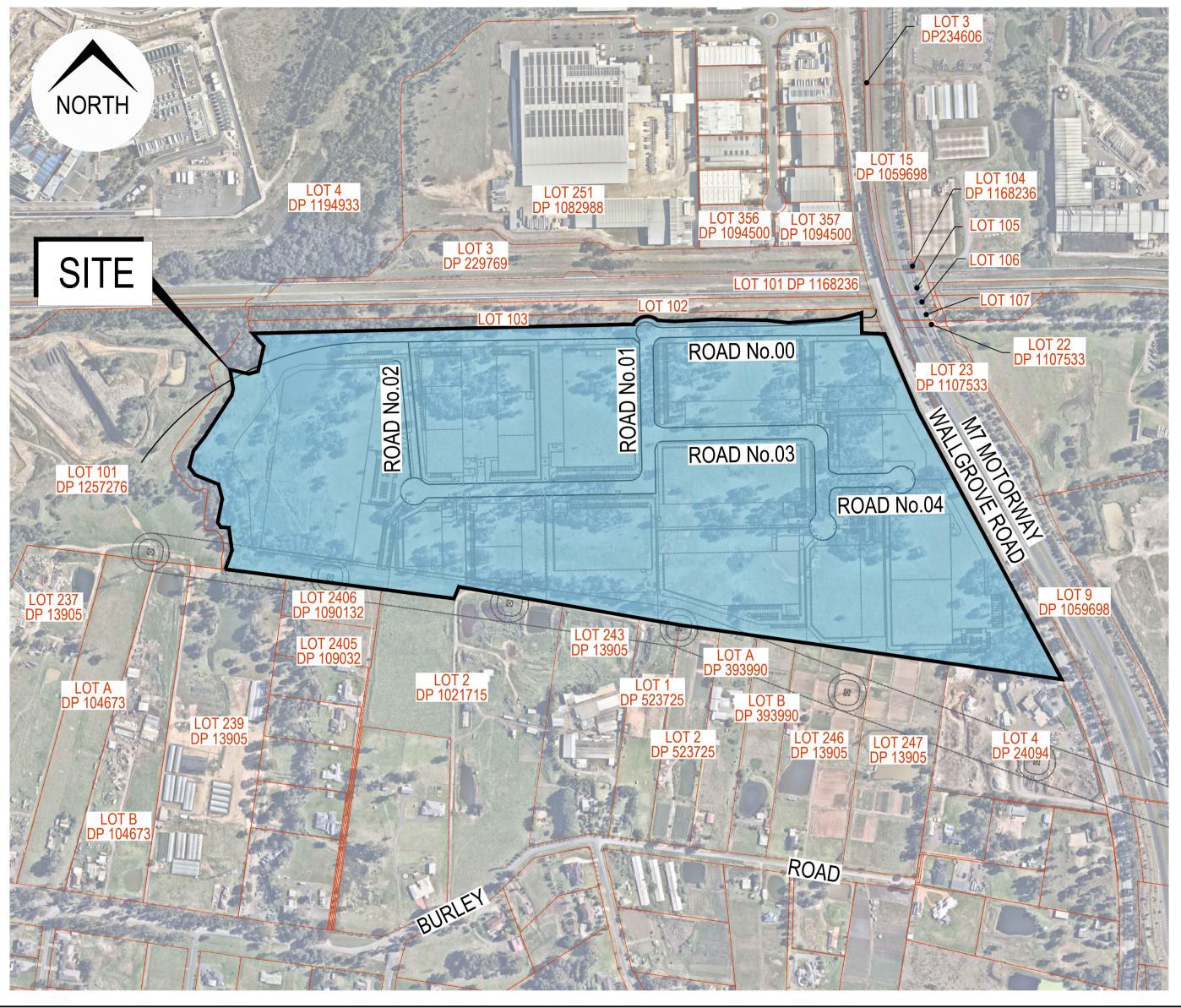


CC Approved Plans {	DNSTRUC & Specificatio
Date Approved:	13 February 2
Certificate No.:	23007
BLAC	KETT MA

PLAN INDEX							
No.	PLAN	REV					
PRELIMINARIES							
CC 000	COVER SHEET	D					
CC 001	GENERAL LAYOUT PLAN & LEGEND	С					
CC 002	GENERAL NOTES	С					
CC 003	DEMOLITION PLAN	С					
CC 004	SITE REGRADING PLAN	С					
CC 005	REGRADING SECTIONS SHEET 01 OF 07	С					
CC 006	REGRADING SECTIONS SHEET 02 OF 07	С					
CC 007	REGRADING SECTIONS SHEET 03 OF 07	С					
CC 008	REGRADING SECTIONS SHEET 04 OF 07	С					
CC 009	REGRADING SECTIONS SHEET 05 OF 07	С					
CC 010	REGRADING SECTIONS SHEET 06 OF 07	С					
CC 011	REGRADING SECTIONS SHEET 07 OF 07	С					
SEDIMENT	& EROSION CONTROL						
CC 100	SEDIMENT & EROSION PLAN	D					
CC 101	SEDIMENT & EROSION CONTROL NOTES & DETAILS	С					
ENGINEER	ING & ROADWORKS						
CC 200	ROAD CENTRE LINE PLAN	D					
CC 300	TYPICAL CROSS SECTIONS	С					
CC 301 ROAD LONG SECTIONS SHEET 01 OF 03 C							
CC 302	ROAD LONG SECTIONS SHEET 02 0F 03	В					
CC 303	ROAD LONG SECTIONS SHEET 03 OF 03	В					



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SITE / LOCATION (Image courtesy of Nearmap 17.10.2021)

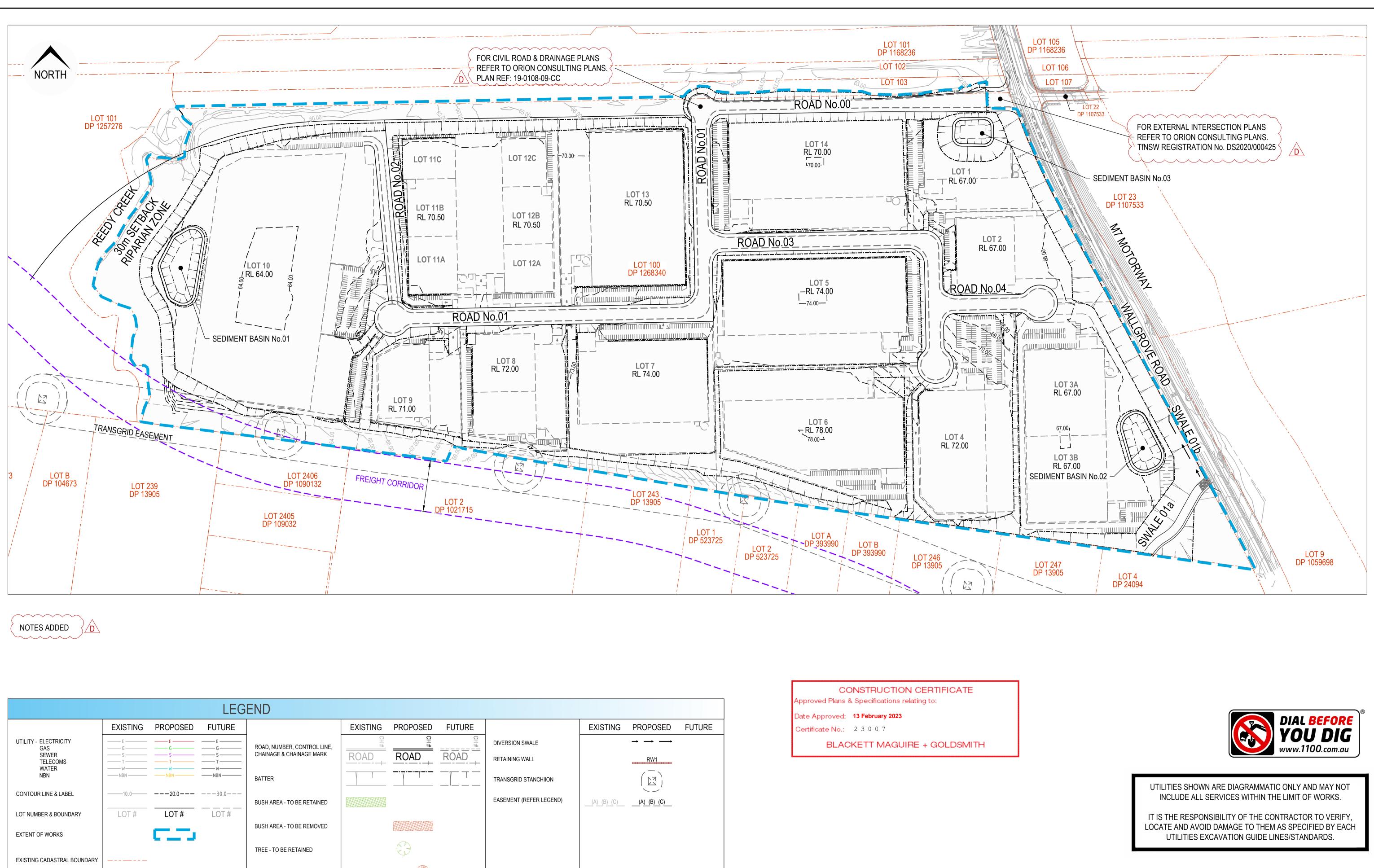
813 WALLGROVE ROAD, HORSLEY PARK GAZCORP INDUSTRIALESTATE **BULK EARTHWORKS**

SSD: 5248-MOD-1

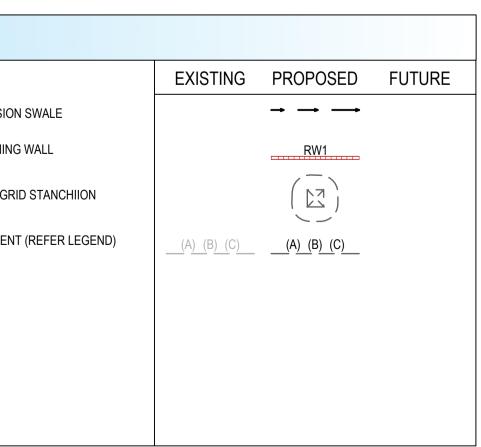
LOT 100 DP 1268340

FOR CONSTRUCTION

Project No. 19-0108 Set No. 08 Milestone CC Plan 000 Revision D



	LEGEND											
				EXISTING	PROPOSED	FUTURE		EXISTING	PROPOSED	FUTURE		
	UTILITY - ELECTRICITY GAS SEWER TELECOMS		GAS G G G SEWER S S S TELECOMS T T T		ROAD, NUMBER, CONTROL LINE, CHAINAGE & CHAINAGE MARK	ROAD	ਿ ROAD	ROAD	DIVERSION SWALE RETAINING WALL			
		WATE NBN	.n				BATTER				TRANSGRID STANCHIION	
	CONTOL	JR LINE	& LABEL		20.0		BUSH AREA - TO BE RETAINED				EASEMENT (REFER LEGEND)	
	LOT NUN		BOUNDARY RKS	LOT #	LOT #	LOT #	BUSH AREA - TO BE REMOVED					
							TREE - TO BE RETAINED					
EXISTING CADASTRAL BOUNDARY					TREE - TO BE REMOVED							
							Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON CONTRACTOR PRIOR TO CONSTRUCT	ΓΙΟΝ.	Scale: 0 20	40 60 80	100 120 140 160 180 2	200
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GAZCORP

For:

CONSTRUCTION CERTIFICATE									
Approved Plans & Specifications relating to:									
Date Approved: 13 February 2023									
Certificate No.: 23007									





ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Orion Consulting

FOR CONSTRUCTION

813 WALLGROVE ROAD INDUSTRIAL SITE **BULK EARTHWORKS**

GENERAL LAYOUT PLAN & LEGEND

Project No. **19-0108**

Set No. **08**

Milestone

Plan 001

Revision

D

GENERAL NOTES

- G1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL'S WORKS SPECIFICATION CIVIL (CURRENT EDITION) AND/OR AS DIRECTED BY THE CERTIFYING AUTHORITY.
- G2. SURVEY MARKS: a. SURVEY MARKS SHOWN THUS ASHALL BE RETAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE SUPERINTENDENT MUST BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
- G3. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST IF NECESSARY AT DEVELOPERS EXPENSE.
- G4a. THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE WRITTEN PERMISSION OF THE OWNERS.
- G4b. ENTRY TO THE EXISTING WATER NSW (WNSW) CORRIDOR LOT 103 DP 1168236 MUST NOT OCCUR WITHOUT WNSW WRITTEN PERMISSION AND IN ACCORDANCE WITH THE APPROVED CONSTRUCTION LICENSE AREA.
- G5. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO ADJOINING PROPERTIES.
- G6. COUNCIL'S TREE PRESERVATION ORDER MUST BE OBSERVED AND NO TREE SHALL BE FELLED, LOPPED OR REMOVED WITHOUT THE PRIOR APPROVAL OF COUNCIL. \sim
- G7. TREES TO BE RETAINED ON SITE SHALL BE PROTECTED BY SUITABLE STURDY APPROVED PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF SITE WORKS. NO TREES TO BE REMOVED WITHOUT COUNCIL'S WRITTEN APPROVAL.
- G8. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES, EXISTING INFRASTRUCTURE AND DEBRIS ETC.
- G9. FILLING IS TO BE FROM A NOMINATED SOURCE, OF SOUND CLEAN MATERIAL, FREE FROM LARGE ROCK, STUMPS, CONTAMINATED MATTER, INDUSTRIAL AND BUILDING WASTE, ORGANIC MATTER AND OTHER DEBRIS. PLACING OF FILLING ON THE PREPARED AREAS SHALL NOT COMMENCE. UNTIL THE AUTHORITY TO DO SO HAS BEEN OBTAINED FROM THE CERTIFYING AUTHORITY.
- G10. SITE FILL AREAS: THE CONTRACTOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
- G11. ALL SITE FILLING TO BE COMPACTED TO 95% STANDARD COMPACTION AND SHALL BE CONTROLLED BY & REGISTĚRED SOIL LABORATORY IN ACCORDANCE WITH QOUNCIL'S "WORKS SPECIFICATION" AND TO LEVEL 1 (AS 3798) GEOTECHNICAL SUPERVISION.
- G12. ALL CUT/FILL SURFACES SHALL BE GRADED AT A MINIMUM 1% TO THE ENGINEERS REQUIREMENTS.
- G13. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT.
- G14. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
- G15. DIMENSIONS OF ANY DETAIL SHALL NOT BE SCALED DIMENSIONS, IF IN DOUBT, SHALL BE VERIFIED BY THE SUPERINTENDENT.
- G16. ALL CONSTRUCTION AND RESTORATION WORK ON COUNCIL'S ROAD AND FOOTPATH AREA ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND COUNCIL'S STANDARD SPECIFICATIONS.

<u>∕C∖</u>

UPDATED NOTES G1, G6, G9, G11, G12, E1 & ADDED NOTE E10.

EARTHWORKS NOTES

- E1. EARTHWORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF THE CERTIFYING AUTHORITY. UNSUITABLE MATERIALS ARE
- TO BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING. THE CONTRACTOR IS TO ARRANGE AND MAKE AVAILABLE COMPACTION TESTING RESULTS FOR ALL AREAS THAT CONTAIN FILL IN EXCESS OF 250mm.
- E2. COMPACTION OF EARTHWORKS SHALL CONTINUE UNTIL A STANDARD DRY DENSITY RATIO OF 98% FOR SITE FILLING AND 100% FOR ROAD PAVEMENT SUBGRADES HAS BEEN ACHIEVED IN ACCORDANCE WITH TEST METHOD AS1289.5.3.1 OR AS.1289.5.1.1. THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'. WHERE IT IS PROPOSED TO USE TEST METHOD AS1289.5.8.1 TO DETERMINE THE FIELD DENSITY, A SAND REPLACEMENT METHOD SHALL BE USED TO CONFIRM THE RESULTS.
- E3. THE SUITABLE QUALIFIED GEOTECHNICAL ENGINEER, SHALL HAVE A LEVEL 1 RESPONSIBILITY FOR ALL FILLING AS DEFINED IN APPENDIX B AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS', AND AT THE END OF THE WORKS SHALL CONFIRM THE EARTHWORKS COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS BY WRITTEN NOTIFICATION.
- E4. IN AREAS TO BE FILLED WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS 1(V):4(H), BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE COUNCIL OR GEOTECHNICAL ENGINEER.
- E5. ALL BATTERS ARE TO BE SCARIFIED TO A DEPTH OF 50mm TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER FACE.
- E6. PROVIDE MINIMUM 100mm AND MAXIMUM 250mm TOPSOIL DEPTH ON FOOTPATHS, FILLED AREAS AND ALL OTHER AREAS DISTURBED DURING CONSTRUCTION. TOPSOILED AREAS TO BE STABILISED WITH APPROVED VEGETATION A MAXIMUM OF 14 DAYS AFTER TOPSOILING AND ARE TO BE WATERED TO ENSURE GERMINATION.
- E7. THE CONTRACTOR SHALL CONTROL SEDIMENTATION, EROSION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION' PRODUCED BY LANDCOM.
- E8. FOOTWAY AREA TO BE FULLY TURFED WITH COUCH GRASS, AND SHALL BE MAINTAINED AND REPLACED AS REQUIRED DURING THE CONSTRUCTION MAINTENANCE PERIOD, IN ACCORDANCE WITH CONDITION.
- E9. ANY BLENDING OF TOPSOIL MUST BE APPROVED BY THE SUPERINTENDENT AND STRICTLY IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS SPECIFICATIONS.
- E10. ALL EARTHWORKS TO BE COMPLETED IN ACCORDANCE WITH DOUGLAS PARTNERS REPORT "99735.00.R.003.REV1" DATED APRIL 2021.

SURVEY SET OUT INFORMATION NOTES

- S1. ALL SITE SET OUT AND CONTROL POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR PRIOR TO COMMENCEMENT OF WORKS ONSITE.
- S2. THE INFORMATION DETAILED ON THE CERTIFIED CONSTRUCTION CERTIFICATE PLANS TAKES PRECEDENCE OVER ALL ELECTRONIC INFORMATION PROVIDED. THE ORDER OF PRIORITY FOR USE OF ALL INFORMATION PROVIDED IS AS FOLLOWS:
- a. CERTIFIED CONSTRUCTION CERTIFICATE DRAWINGS b. 2D DRAFTING BASE (ELECTRONIC FILE)
- c. 3D DTM (ELECTRONIC FILE)
- S3. ANY DISCREPANCY BETWEEN ANY OF THE INFORMATION CONTAINED WITHIN THESE FILES IS TO BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT PRIOR TO CONSTRUCTION WHO WILL SEEK CLARIFICATION AND ISSUE INSTRUCTIONS ON THE APPROPRIATE COURSE OF ACTION.

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Date Approved:	13 February 2
Certificate No.:	2 3 0 0 7
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2023

AGUIRE + GOLDSMITH



For:





FOR CONSTRUCTION

Set No.

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Project No.

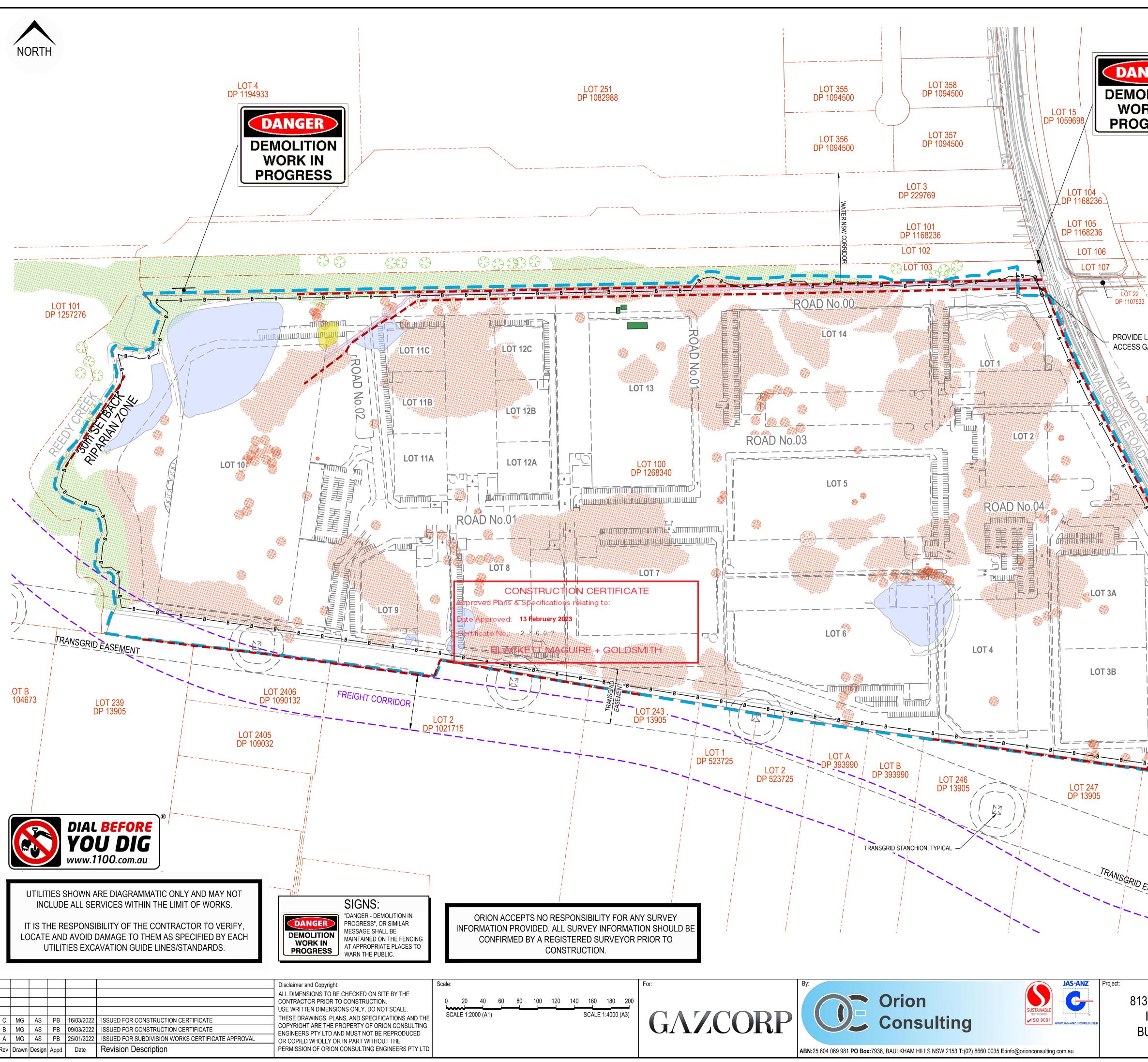
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813 WALLGROVE ROAD INDUSTRIAL SITE **BULK EARTHWORKS**

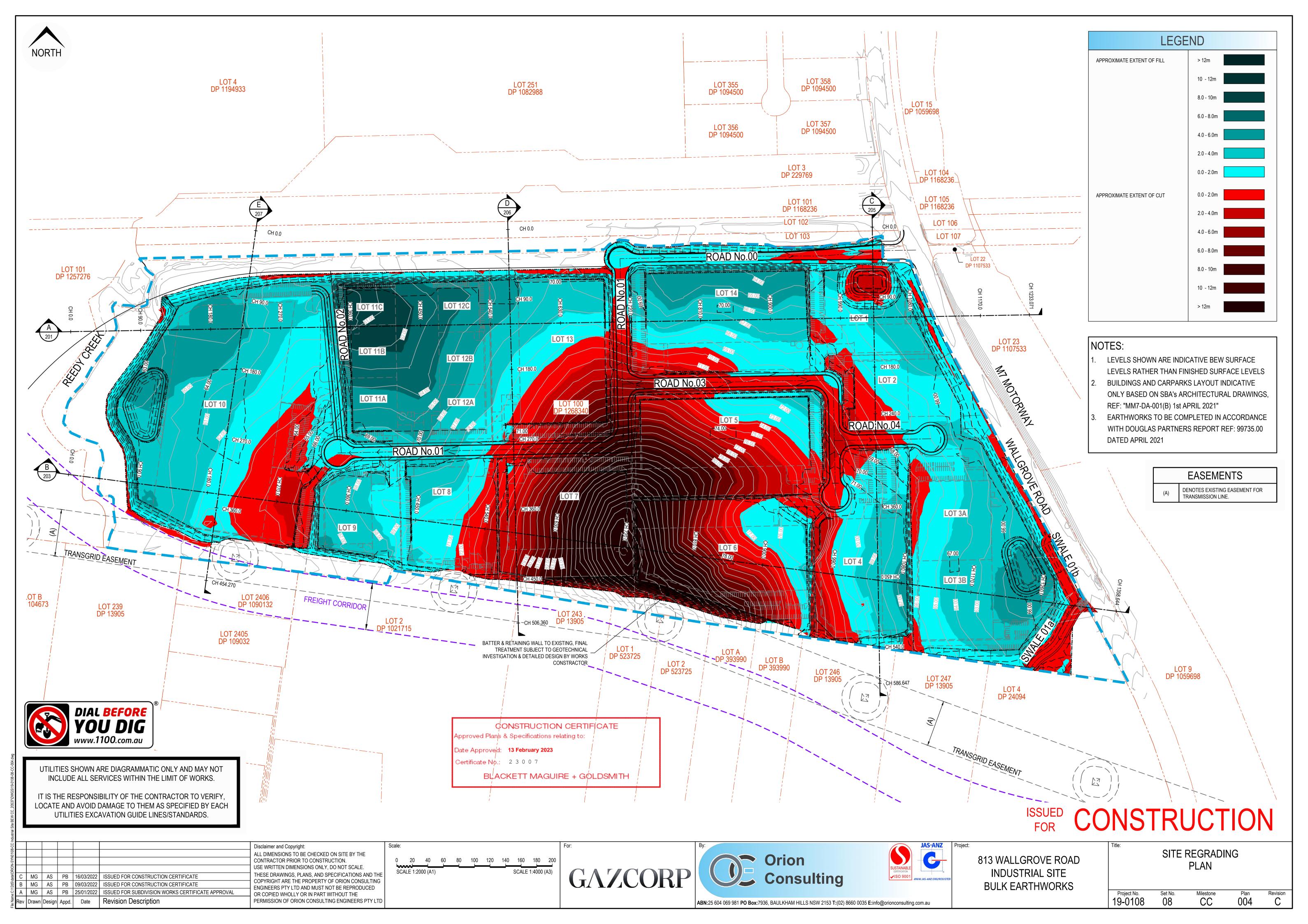
GENERAL	NOTES

Milestone Plan CC 002

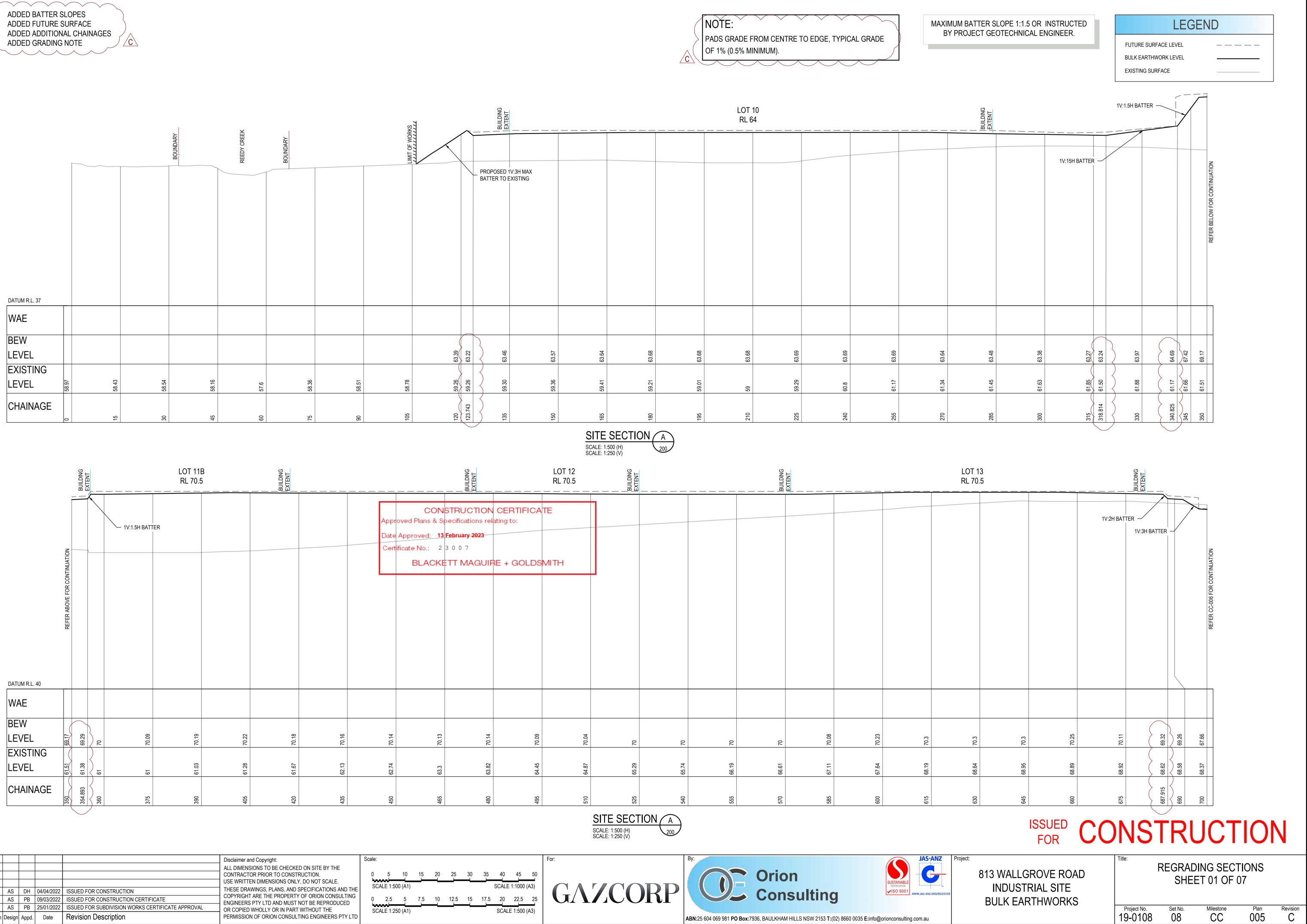
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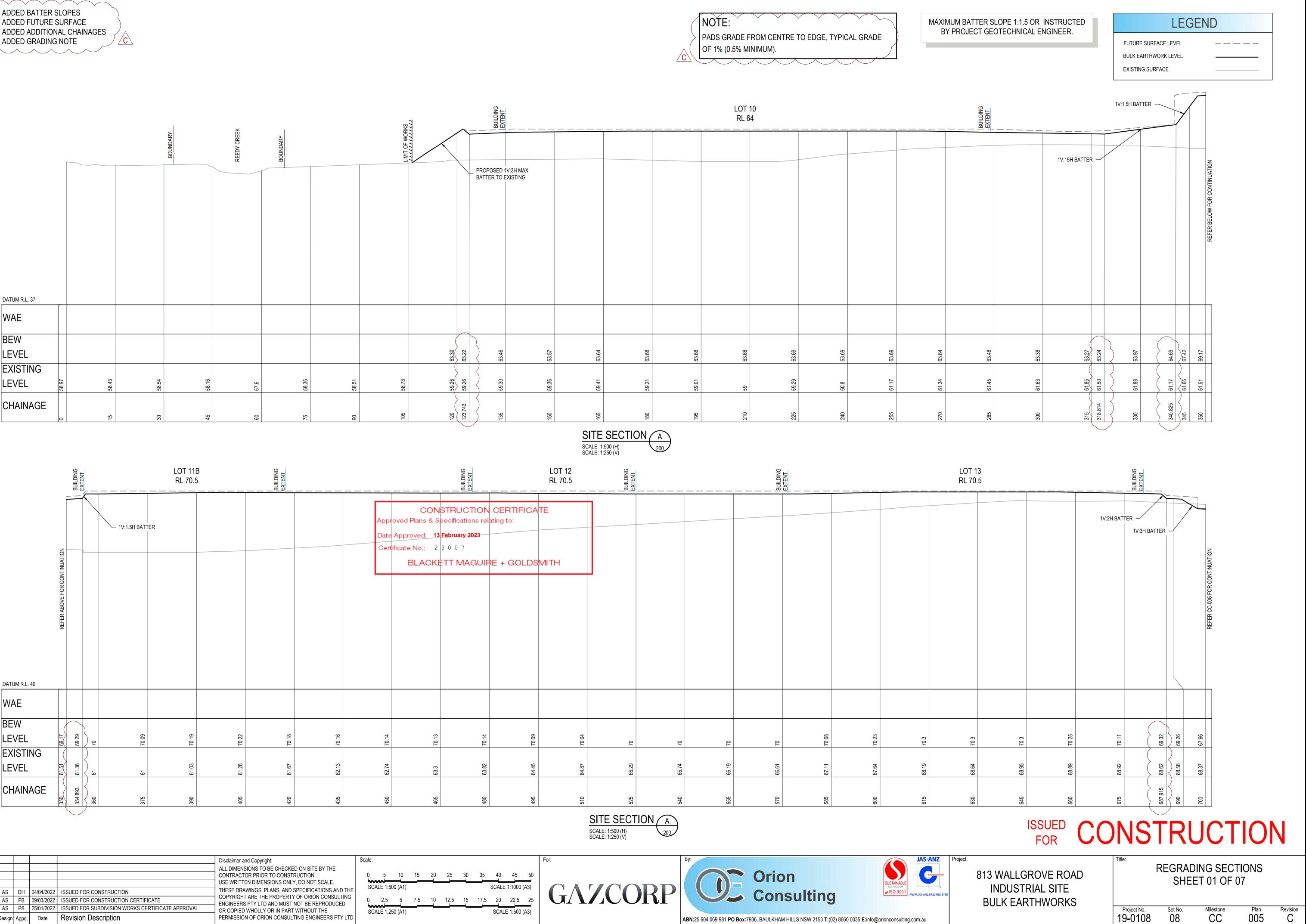


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	EXISTING	BUSH AREA TO BE RE	MOVED			
	EXISTING	BUSH AREA TO BE RE	MAIN			
	EXISTING ⁻	IREES TO BE REMOV	ED			
· · · · · · · · · · · · · · · · · · ·	EXISTING 7	TREES TO REMAIN				
3		CONTOURS RITY FENCE		_	—60.0——	
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GATE	(DATED	Y PROVIDED BY A AL 0 14/04/2008)				
LOT 23	EXTEN	ACTOR TO ESTABLIS T OF WORKS. ACTOR TO GAIN ALL				
DP 1107533	CAP OF	REMOVE EXISTING	SERVICES AS RE	QUIRED.		,
	BUILDII	URES (ABOVE & BELC NGS, FENCES, EXISTI	NG PAVEMENT, D	RAINAGE, SIGNS	S ETC.	
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	LOCAT	NG SERVICES TO BE I ION. REMOVAL SHALL BE II				
	REQUI	REMENTS AND SPECI	FICATIONS.			
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	10. WALLG	IGOING WORKS. ROVE ROAD UPGRAE ARTHWORKS AND IN				N,
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3 WALLGROVE ROA INDUSTRIAL SITE	D				_/ \ \	
BULK EARTHWORKS		Project No.	Set No.	Milestone	Plan	Revision
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ADDED BATTER SLOPES ADDED FUTURE SURFACE ADDED ADDITIONAL CHAINAGES ADDED GRADING NOTE



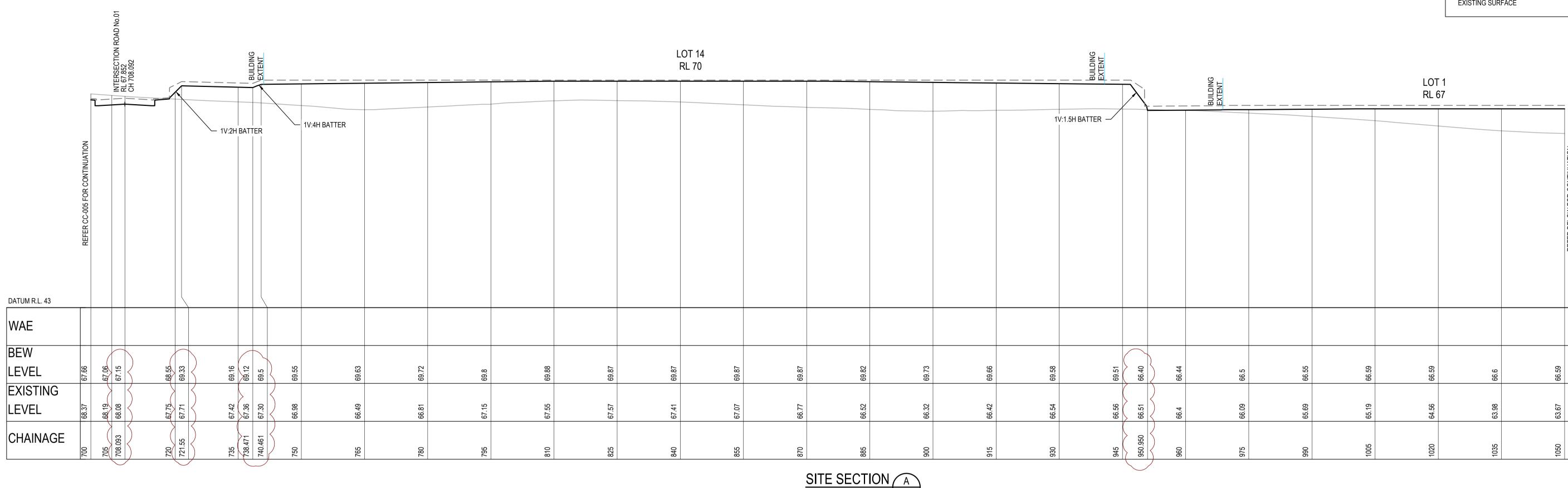


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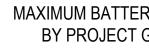
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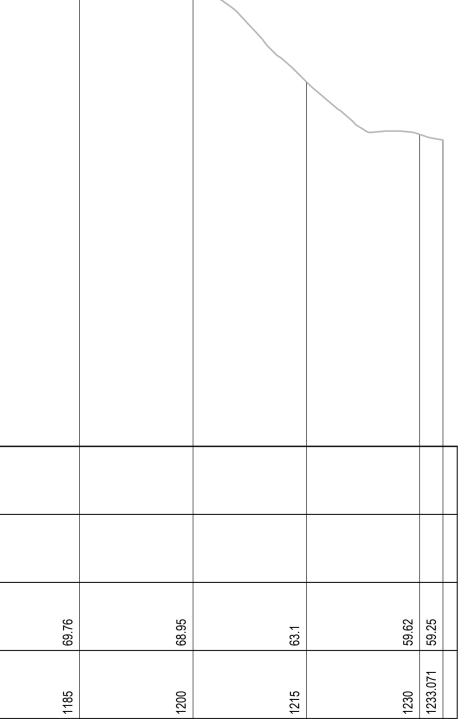


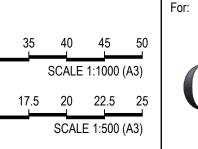
								-	EXISTING WALLGF	ROVE ROAD		
					LOT 1 RL 67	BUILDING		a ORKS				
								SWALE 01a SWALE 01a LIMIT OF WORKS				
				REFER ABOVE FOR CONTINUATION		PROPOSED 1V:4H MAX BATTER	PROVIDE SWALE	BOUNDARY				
		DATUM	R.L. 39									
		WAE										
CK.dwg		BEW										
A1_TITLEBLOCK.d			EL STING	66.59	66.55	66.48	64.03					
		LEVE		63.67	63.34	62.78	62.33	63.12	63.16	66.23	70.22	69.63
20537\DWGS\Xreft19-0108-08-CC-D-OCE		СНА	INAGE	1050	1065	1080	1095	1110	1125	1140	1155	1170
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MAXIMUM BATTER SLOPE 1:1.5 OR INSTRUCTED BY PROJECT GEOTECHNICAL ENGINEER.

LEGEND

FUTURE SURFACE LEVEL BULK EARTHWORK LEVEL EXISTING SURFACE

CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to: Date Approved: 13 February 2023 Certificate No.: 2 3 0 0 7 BLACKETT MAGUIRE + GOLDSMITH

FOR CONSTRUCTION

Set No. **08**

Project No. **19-0108**

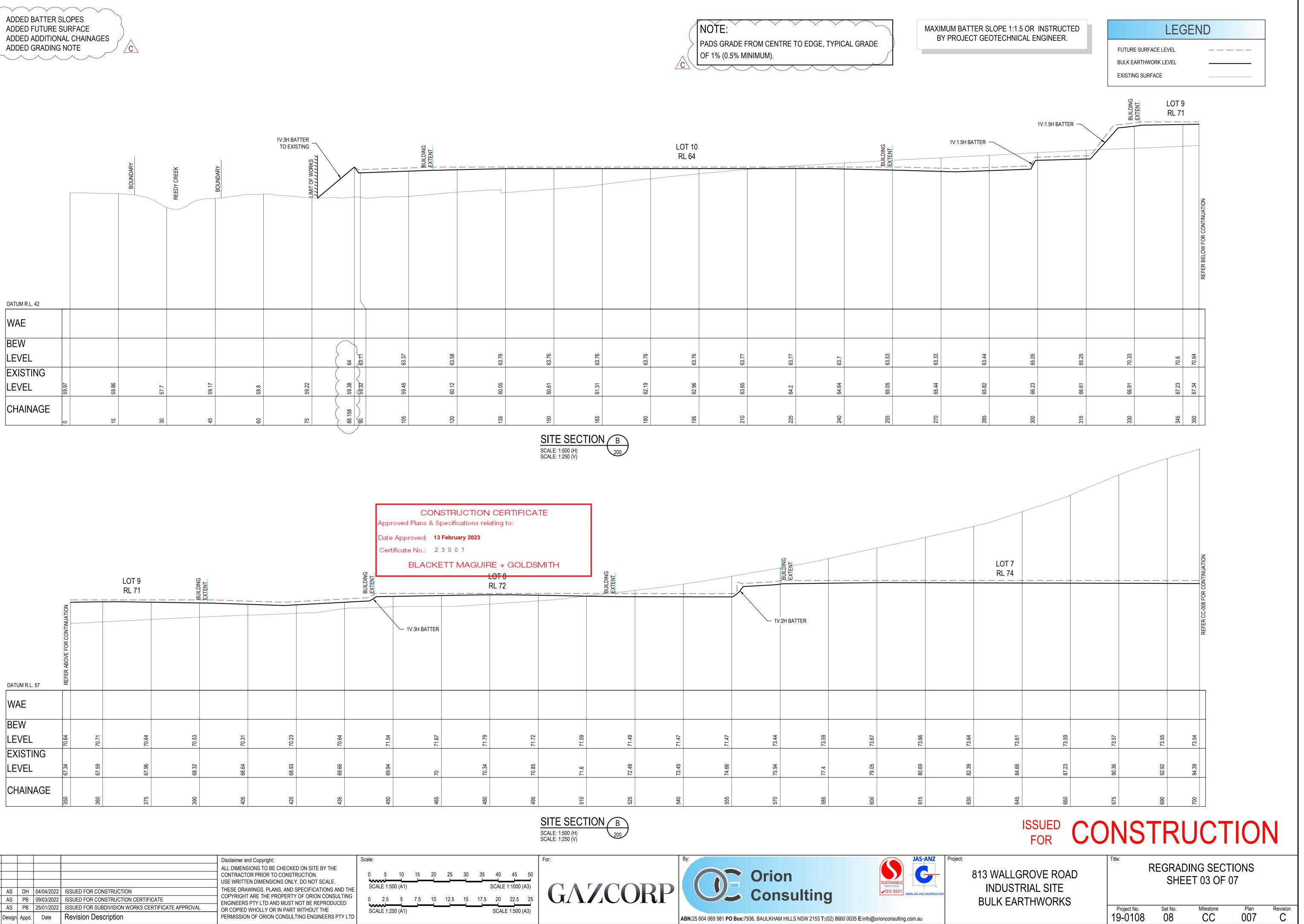
813 WALLGROVE ROAD INDUSTRIAL SITE **BULK EARTHWORKS**

REGRADING SECTIONS SHEET 02 OF 07

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Plan 006 Revision C

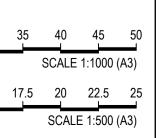
ADDED BATTER SLOPES ADDED FUTURE SURFACE ADDED ADDITIONAL CHAINAGES



								ڻ ا	BLACKE	TIMAG
			LOT 9 RL 71							
DATUM R.L. 57	REFER ABOVE FOR CONTINUATION								1V:3H BATTER	
WAE										
BEW										
LEVEL	70.64	70.71	70.64	70.53	70.31	70.23	70.64	71.54	71.67	
EXISTING										
LEVEL	67.34	67.59	96.79	68.32	68.64	68.93	69.66	69.94	20	
CHAINAGE	350	360	375	390	405	420	435	450	465	

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						CONTRACTOR PRIOR TO CONSTRUCTION.	0 5 10	15	20	25 3	30
						USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.	SCALE 1:500 (A1)				
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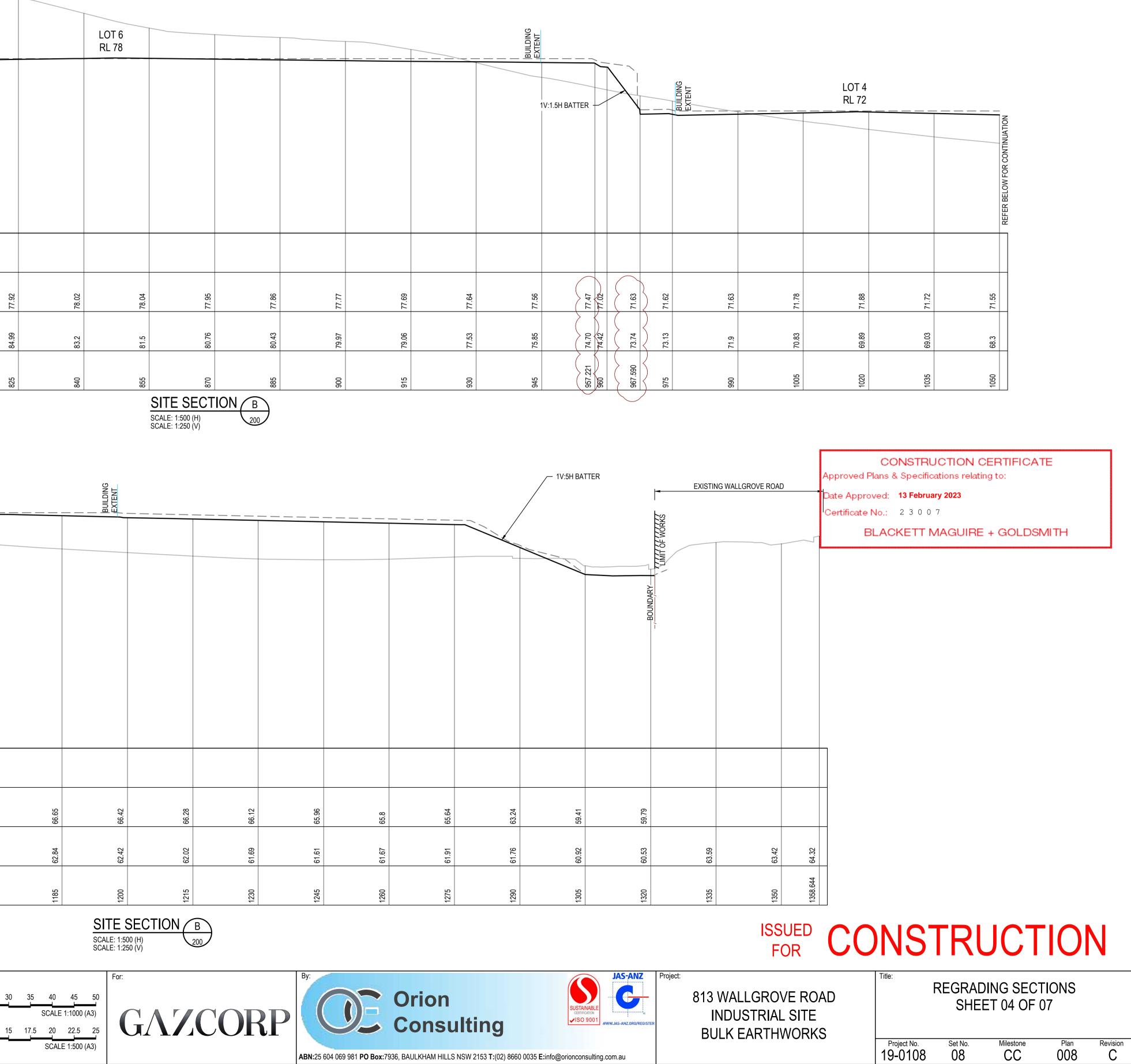


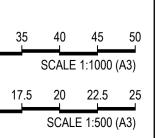
ADDED BATTER ADDED FUTURE ADDED ADDITIC ADDED GRADIN	E SUR NAL	RFACE CHAIN											
			LOT 7	BUILDING EXTENT	Ĩ		BUILDING						
DATUM R.L. 58	REFER CC-007 FOR CONTINUATION		RL 74				1V:	1.5H BATTER					
WAE													
BEW LEVEL	73.54	73.53	73 51		3.77	75.07	77.54		77.61	99.77	77.74	77.82	77.92
EXISTING LEVEL	94.39 7	95.11 7	2		<	95.64 7 95.26 7	93.68		91.12 7	88.68	87.35 7	86.22 7	84.99
CHAINAGE	200	705	062		<	735 738.513	750		765	780	795	810	825

		LOT 4 9 INITIAL RL 72								
					BUILDING			LOT 31 	3	
			1V:1.5H E	BATTER -						
	NO									
	NTINUATI									
	FOR CO									
	REFER ABOVE FOR CONTINUATION									
DATUM R.L. 40	REFE									
WAE										
BEW										
LEVEL	71.55	71.38	71.22	66.55	66.59	66.78	66.87	66.84	66.8	
EXISTING										
LEVEL	68.3	67.53	66.82	66.2	65.62	65.06	64.45	63.86	63.33	
CHAINAGE	1050	1065	1080	1095	1110	1125	1140	1155	1170	

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С	CF	AS	DH	04/04/2022	ISSUED FOR CONSTRUCTION	THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE	SCALE 1:500 (A1)			
В	MG	AS	PB	09/03/2022	ISSUED FOR CONSTRUCTION CERTIFICATE	COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED	0 2.5 5	7.5	10	12.5	15
А	MG	AS	PB	25/01/2022	ISSUED FOR SUBDIVISION WORKS CERTIFICATE APPROVAL	OR COPIED WHOLLY OR IN PART WITHOUT THE	SCALE 1:250 (A1				
Rev	Drawn	Design	Appd.	Date	Revision Description	PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD	00ALL 1.200 (A1	1			







MAXIMUM BATTER SLOPE 1:1.5 OR INSTRUCTED BY PROJECT GEOTECHNICAL ENGINEER.

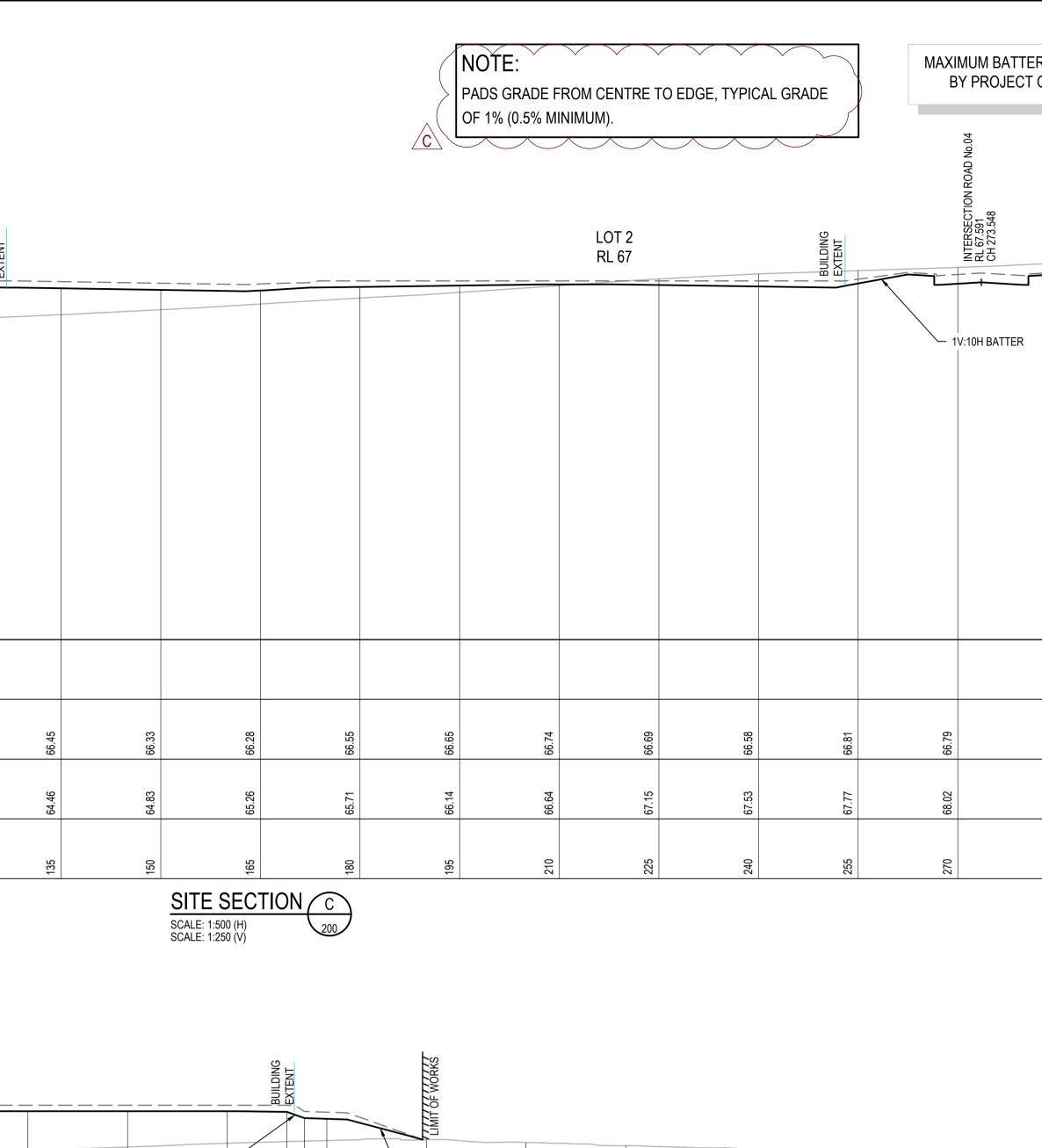
LEGEND

FUTURE SURFACE LEVEL BULK EARTHWORK LEVEL EXISTING SURFACE

ADDED BATTER SLOPES ADDED FUTURE SURFACE ADDED ADDITIONAL CHAINAGES ADDED GRADING NOTE

	BÓUNDARY	LOT 103	BÓUNDARY INTERSECTION ROAD No	DH 31.55 DH 31.55 LOT BOUNDARY			LO ⁻ RL	T 1 67		BUILDING
			1V:4H BATT TO EXISTIN	ER PROVIDE TEMPORAF	RY				└── 1V:4H BATTER	
DATUM R.L. 40										
WAE BEW				~						
WAE BEW LEVEL			61.93	62.48	61.35 60.77	60.77	62.89	66.64	66.56	
WAE BEW	60.98	61.7	62.04 61.93	62.49 62.48	63.03 61.35 63.11 60.77	63.6 60.77 63.72 60.77	64 62.89	64.11 66.64	64.12 66.56	

								BUILDING					LOT 4 RL 72		
							\square								
								1V:3H BATT	ER						
		ΠΔΤ	UM R.L.	48	REFER ABOVE FOR CONTINUATION										
				40											
		W	AE												
dwg		BE	W												
CE_A1_TITLEBLOCK.dw		LE	VEL		70.94	71.13	71.5	71.5	71.55	71.55	71.55	71.55	71.55	71.55	
A1_TITLI		EX	ISTI	NG	2				<u> </u>	~ ~	4	~	~	~ ~	
			VEL		69.41	9.33	69.31	69.14	68.95	69	68.87	68.53	68.28	68.38	
108-08-C					0		7		٥	9	9	Q	٥	<u>و</u>	
20537\DWGS\Xref19-0108-08-CC-D-0		CH	IAIN	AGE	350	355.668	356.718 360	375	390	405	420	435	450	465	
ndustrial Site BEW CC_20537/DV													SCALE: 1:500 (SCALE: 1:250 (H) 200	
-SYN01\08-CC Ir											SIONS TO BE CHECKE		Scale:	10 15 00	
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S\data\0	_	AS	DH	04/04/2022	_			NSTRUCTION				SPECIFICATIONS AND [*] OF ORION CONSULTI			
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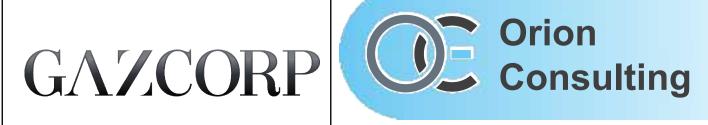




81: B

Project:

For:



MAXIMUM BATTER SLOPE 1:1.5 OR INSTRUCTED BY PROJECT GEOTECHNICAL ENGINEER. LEGEND

FUTURE SURFACE LEVEL BULK EARTHWORK LEVEL EXISTING SURFACE

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63	96	61	21	76	94	
67.63	68.96	69.61	70.21	70.76	70.94	
68.33	68.64	68.95	69.32	69.44	69.41	
68	68.	68.	69.	69.	69	
285	300	315	330	345	350	
5	30	31	33	34	36	

CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to: Date Approved: 13 February 2023

Certificate No.: 23007

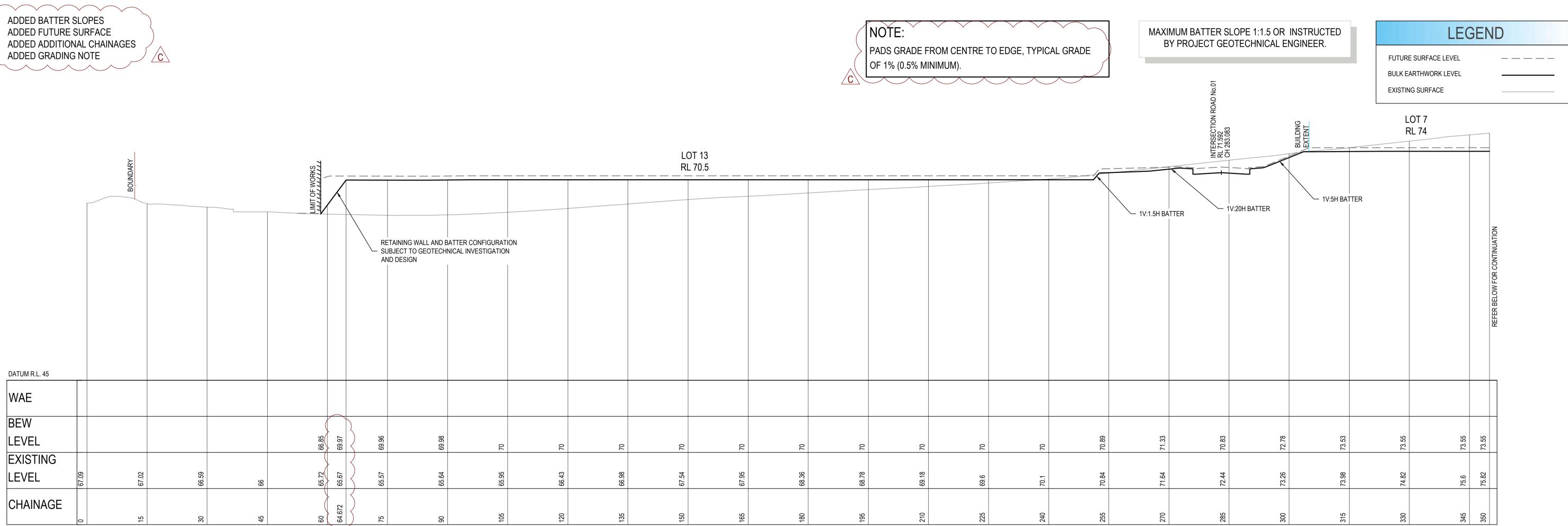
BLACKETT MAGUIRE + GOLDSMITH

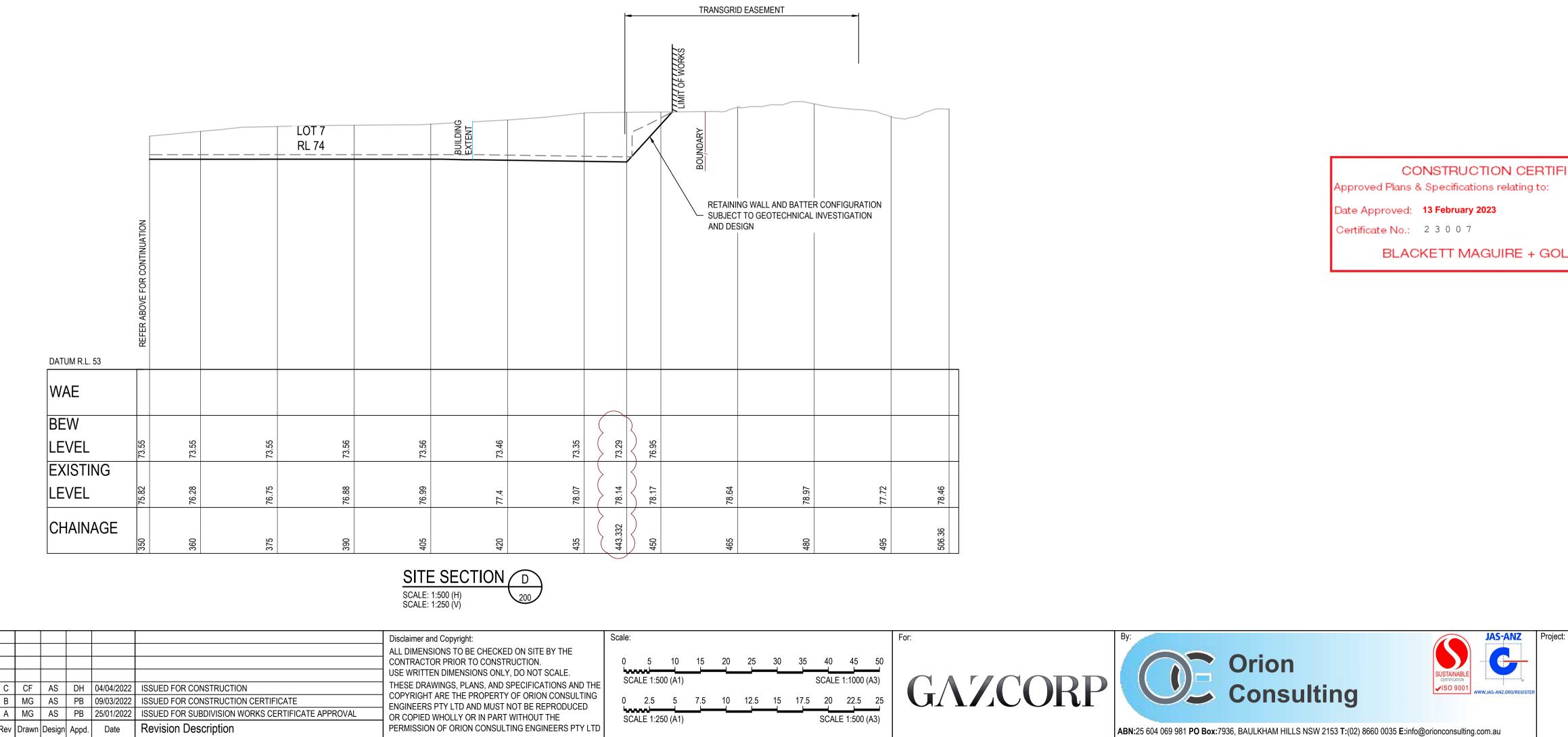
FOR CONSTRUCTION

3 WALLGROVE ROAD
INDUSTRIAL SITE
BULK EARTHWORKS

REGRADING SECTIONS SHEET 05 OF 07									
Project No.	Set No.	Milestone	Plan	Revision					
19-0108	08	CC	009	С					

ADDED BATTER SLOPES ADDED FUTURE SURFACE ADDED ADDITIONAL CHAINAGES





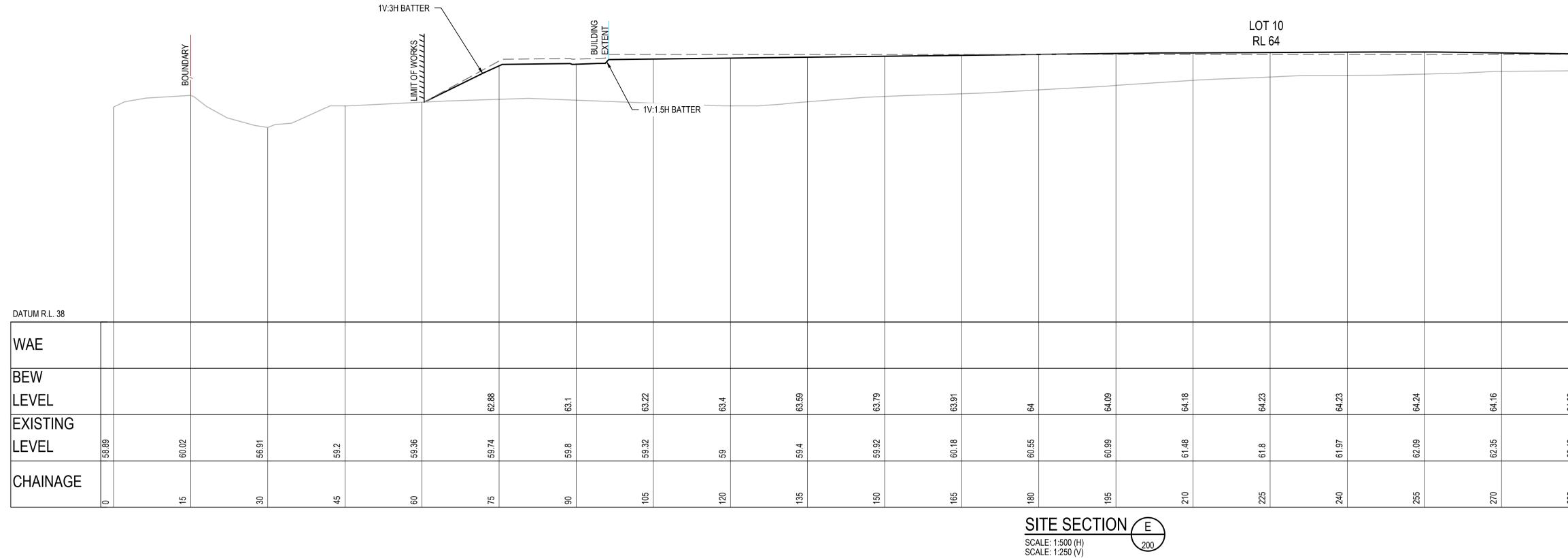


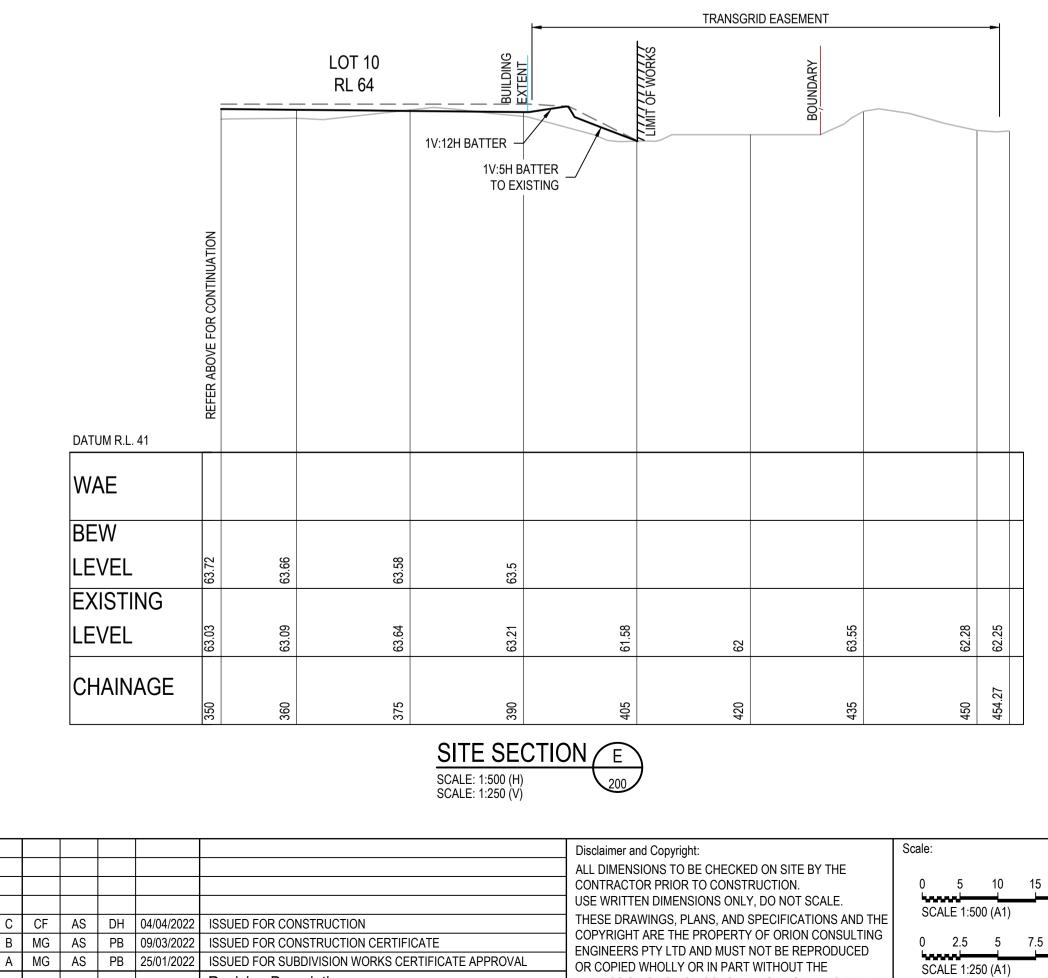


CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to: BLACKETT MAGUIRE + GOLDSMITH

FOR CONSTRUCTION

813 WALLGROVE ROAD INDUSTRIAL SITE BULK EARTHWORKS	l itle:		DING SECT ET 06 OF (
	Project No. 19-0108	Set No. 08	Milestone	Plan 010	Revision C





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PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD

ev Drawn Design Appd. Date

Revision Description



 \sim \sim NOTE: \sim \sim \sim PADS GRADE FROM CENTRE TO EDGE, TYPICAL GRADE OF 1% (0.5% MINIMUM).

CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to:

Date Approved: 13 February 2023

Certificate No.: 23007

BLACKETT MAGUIRE + GOLDSMITH



For:



ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

MAXIMUM BATTER SLOPE 1:1.5 OR INSTRUCTED BY PROJECT GEOTECHNICAL ENGINEER.

LEGEND

FUTURE SURFACE LEVEL BULK EARTHWORK LEVEL EXISTING SURFACE

						REFER BELOW FOR CONTINUATION
64.08	64	63.91	63.83	63.75	63.72	
62.42	62.55	62.67	62.79	62.97	63.03	
285	300	315	330	345	350	

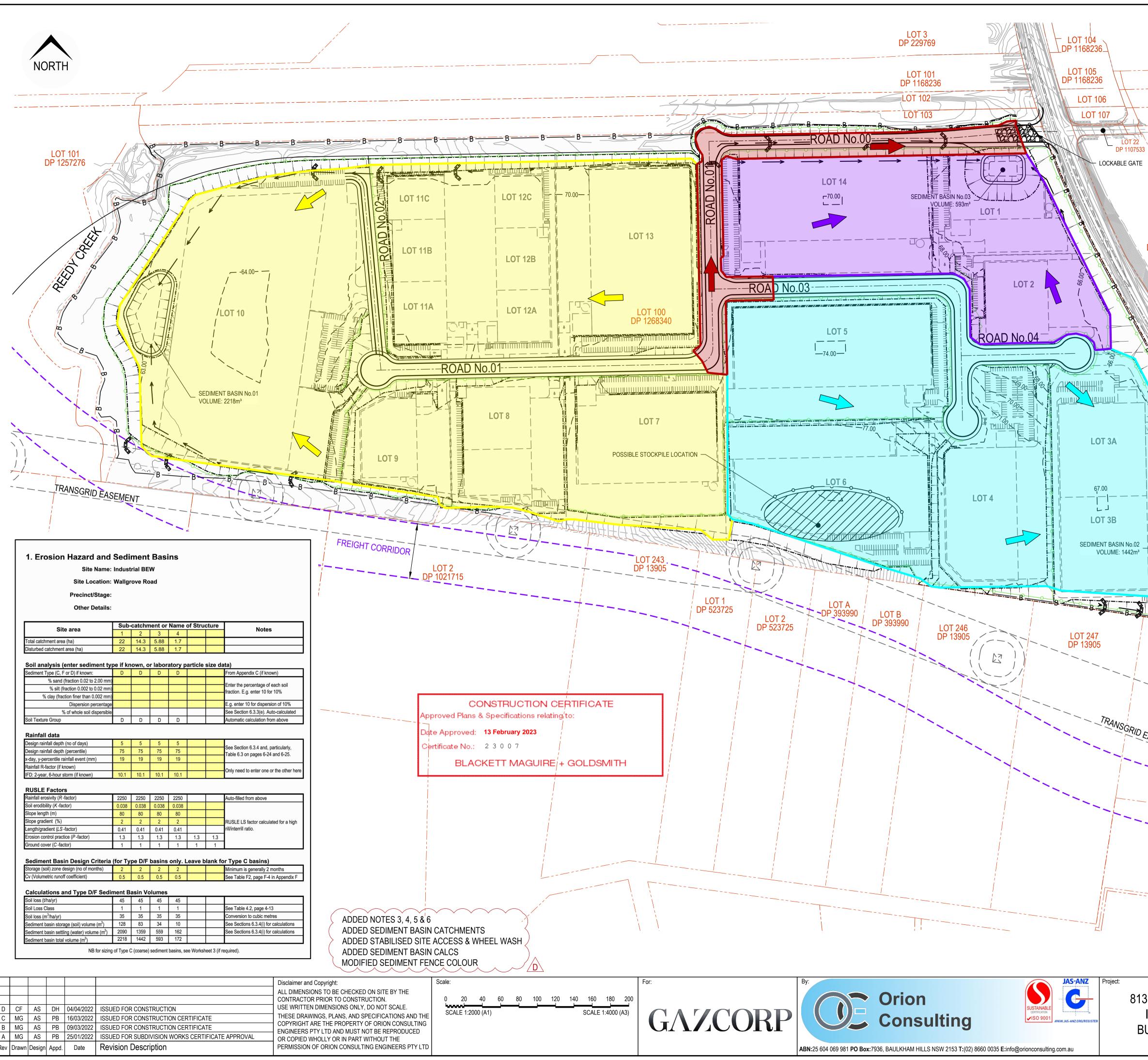


REGRADING SECTIONS 813 WALLGROVE ROAD SHEET 07 OF 07 INDUSTRIAL SITE **BULK EARTHWORKS** Set No. **08** Project No. 19-0108

Milestone CC

Revision

С

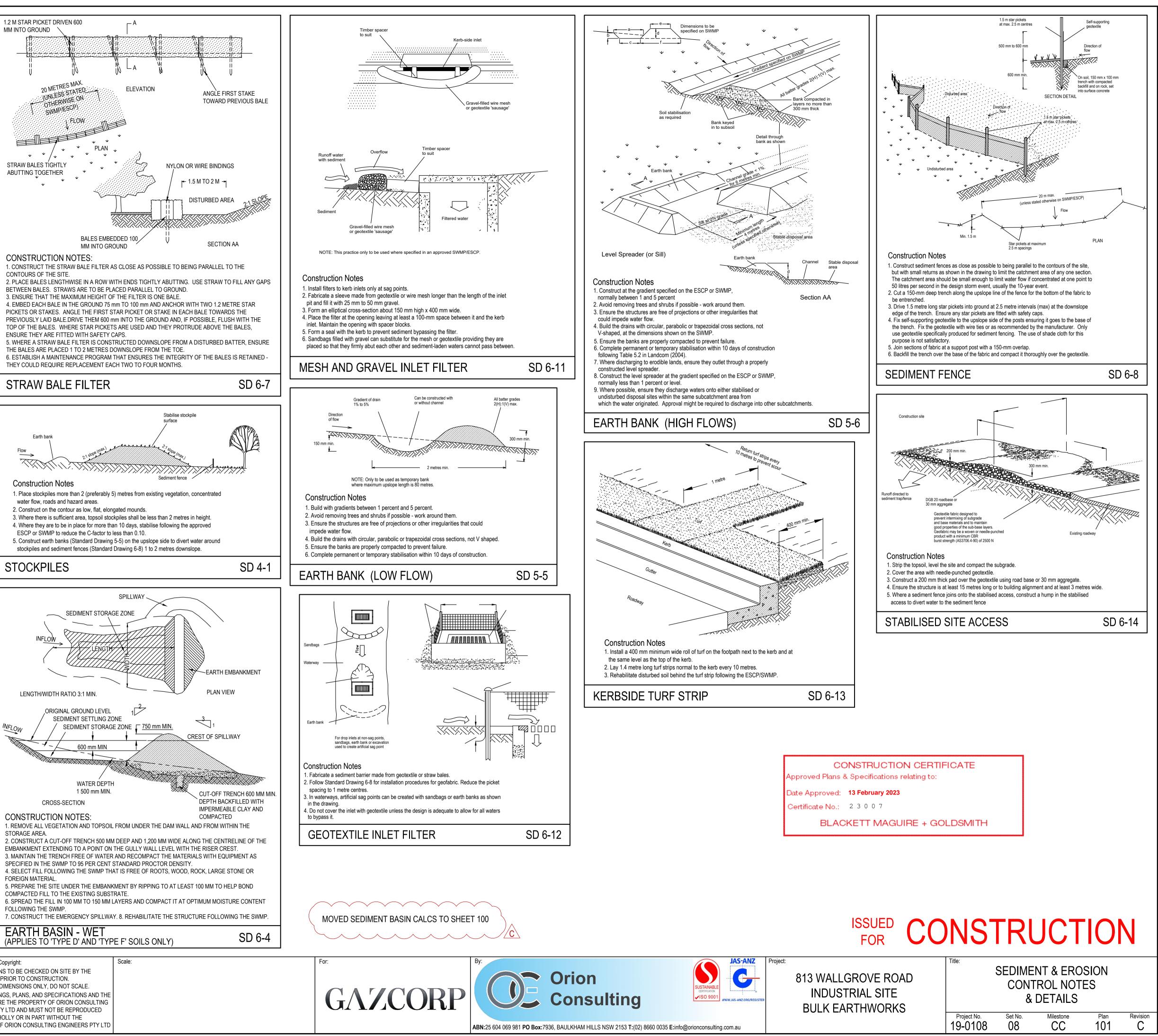


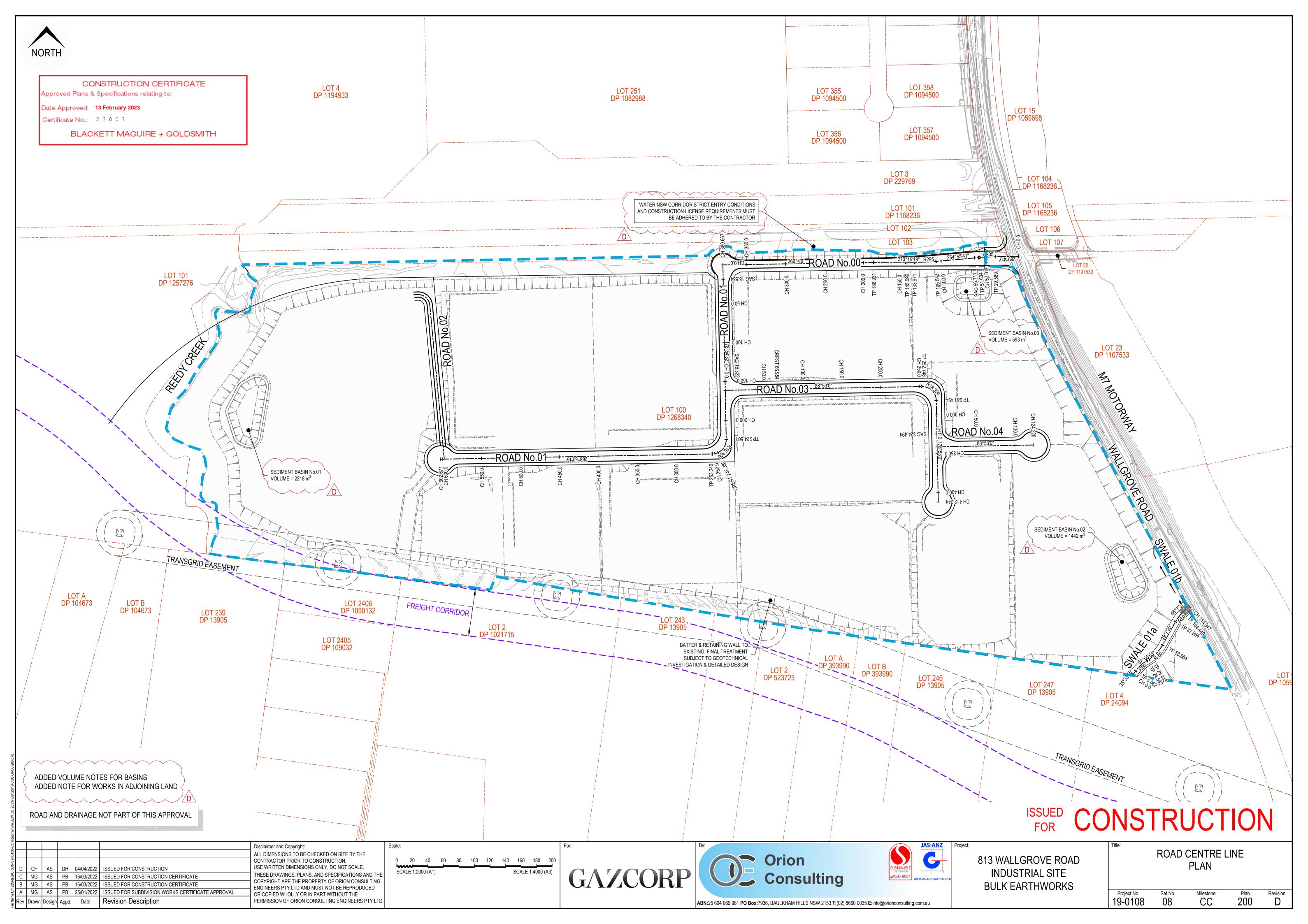
	LEGE	
	CONTOURS STABILISED SITE ACCESS	
	WITH WHEEL WASH	
	POSSIBLE STOCKPILE LOCATION	
(SITE SECURITY FENCE	B B B B B B B B B B B B B B B B B B B
33 `\	SEDIMENT FENCE DIVERSION SWALE	
E		
	STRAW / HAY BALE FILTER PIT INLET FILTER (GEOTEXTILE	
	OR MESH & GRAVEL)	
	CATCHMENT 1	
LOT 23 DP 1107533	CATCHMENT 2	
13.	CATCHMENT 3	
MITIMOTORIUNAY	CATCHMENT 4	
TOP		
	NOTES:	
	1. INDICATIVE LOT APPLICAT SURROUNDING DEVELOP	
	LOT SPECIFIC SEDIMENT	
BR GR	STRATEGY. 2. PAD GRADING AT 0.5% TY	
	3. HYDROMULCH TO BE COM	
BE INTRAL GROUTE ROAD	EARTHWORK AREAS. 4. MAXIMUM DISTURBED ARI	EA AT ANY ONE TIME TO BE
	5 ha.	
	5. CONTRACTOR TO PROVID STABILISED SITE ENTRY	E WHEEL WASH AT
	6. NO SEDIMENT BASIN REQ	UIRED FOR CATCHMENT 4
	AS YEARLY LOAD LESS TH	HAN 150m ³
2		
	B	
	B B DP 105	9 9698 `\
LOT 4 DP 24094	tel s	
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ISSUED	CONSTRU	
FOR		
	Title:	NT & EROSION
13 WALLGROVE ROAD		PLAN
INDUSTRIAL SITE BULK EARTHWORKS		
	Project No. Set No. 19-0108 08	Milestone Plan Revision CC 100 D

<ol> <li>DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.</li> </ol>	STRAW BALES TIGHTLY NYLON OR WIRE BINDINGS
<ol> <li>ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN 14 WORKING DAYS FROM THE CONCLUSION OF LAND SHAPING.</li> </ol>	[*] [*] [*]
8. MINIMISE DUST BY WATERING WHEN REQUIRED.	
STOCKPILE NOTES:	
9. SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.	BALES EMBEDDED 100 V MM INTO GROUND SECTION A
<ol> <li>IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.</li> </ol>	CONSTRUCTION NOTES: 1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO
11. FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATE.	CONTOURS OF THE SITE. 2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND. 3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
12. ALL STOCKPILES TO BE (MAX) 2m HIGH AND PROTECTED WITH SILT FENCE.	<ol> <li>ENSURE THAT THE MAXIMUM HEIGHT OF THE FIELD IS ONE BALL.</li> <li>EMBED EACH BALE IN THE GROUND 75 mm TO 100 mm AND ANCHOR WITH TWO 1.2 MET PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS</li> </ol>
SPECIAL NOTES:	PREVIOUSLY LAID BALE.DRIVE THEM 600 mm INTO THE GROUND AND, IF POSSIBLE, FLUSH TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE
13. LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE.	ENSURE THEY ARE FITTED WITH SAFETY CAPS. 5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BAT THE BALES ARE PLACED 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
14. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GUIDELINES SET OUT IN "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION " -4TH EDITION AND THE ACCOMPANYING ROAD AND DRAINAGE PLANS.	6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.
15. CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT.	STRAW BALE FILTER
16. MANAGEMENT DEVICES SHALL BE MAINTAINED ON A REGULAR BASIS. WHERE CLEANING IS REQUIRED, THE SEDIMENT SHALL BE REMOVED TO A POINT NOMINATED BY THE ENGINEER.	Stabilise stockpile surface
17. PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTRELINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED,	Earth bank
THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:-	Flow
a) THE TREES TO BE RETAINED. b) ALL TREES TO BE LEFT UNDISTURBED AND TO BE CORDONED OFF.	Construction Notes
18. NO TREES SHALL BE REMOVED WITHOUT COUNCIL'S CLEARANCE.	1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated
19. MANAGEMENT DEVICES TO REMAIN UNTIL THE END OF THE MAINTENANCE PERIOD.	water flow, roads and hazard areas. 2. Construct on the contour as low, flat, elongated mounds.
SEDIMENTATION CONTROL DEVICES:	<ol> <li>Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.</li> <li>Where they are to be in place for more than 10 days, stabilise following the approved</li> </ol>
20. ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES	<ul><li>ESCP or SWMP to reduce the C-factor to less than 0.10.</li><li>5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.</li></ul>
DRIVEN 450mm INTO THE GROUND AND LOCATED ON THE BALE CENTRE LINE. 21. SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC	STOCKPILES
(PROPEX OR SIMILAR) BETWEEN POSTS AT 2m (3m MAX) CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.	
$\checkmark$ $\checkmark$	SPILLWAY
	SEDIMENT STORAGE ZONE
	INFLOW
Canadra	
AGGREGATE OR RECYCLED CONCRETE	EARTH EMI
	LENGTH/WIDTH RATIO 3:1 MIN.
	ORIGINAL GROUND LEVEL 1
$\psi$ $\psi$	INFLOW SEDIMENT STORAGE ZONE <u>750 mm MIN.</u> CREST OF SPILLW
150 mm MIN. SPILLWAY 150 mm MIN.	
	WATER DEPTH
ROCK TRENCHED 200 mm INTO GROUND SPACING OF CHECK DAMS ALONG CENTRELINE AND SCOUR PROTECTION	L 1 500 mm MIN. CUT-OFF TRE CROSS-SECTION DEPTH BACKE
BELOW EACH CHECK DAM TO BE SPECIFIED ON SWMP/ESCP	CONSTRUCTION NOTES:
CONSTRUCTION NOTES: 1. CHECK DAMS CAN BE BUILT WITH VARIOUS MATERIALS, INCLUDING ROCKS, LOGS, SANDBAGS AND A STRUCTURE AN	1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITH STORAGE AREA.
STRAW BALES. THE MAINTENANCE PROGRAM SHOULD ENSURE THEIR INTEGRITY IS RETAINED, ESPECIALLY WHERE CONSTRUCTED WITH STRAW BALES. IN THE CASE OF BALES, THIS MIGHT	2. CONSTRUCT A CUT-OFF TRENCH 500 MM DEEP AND 1,200 MM WIDE ALONG THE CENTRE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CRES
REQUIRE THEIR REPLACEMENT EACH TWO TO FOUR MONTHS. 2. TRENCH THE CHECK DAM 200 mm INTO THE GROUND ACROSS ITS WHOLE WIDTH. WHERE ROCK	3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIP IS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
USED, FILL THE TRENCHES TO AT LEAST 100 MM ABOVE THE GROUND SURFACE TO REDUCE THE F OF UNDERCUTTING.	FOREIGN MATERIAL.
3. NORMALLY, THEIR MAXIMUM HEIGHT SHOULD NOT EXCEED 600 mm ABOVE THE GULLY FLOOR. T CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150 mm LOWER THAN THE OUTER EDGES.	COMPACTED FILL TO THE EXISTING SUBSTRATE.
4. SPACE THE DAMS SO THE TOE OF THE UPSTREAM DAM IS LEVEL WITH THE SPILLWAY OF THE NE DOWNSTREAM DAM.	6. SPREAD THE FILL IN 100 MM TO 150 MM LAYERS AND COMPACT IT AT OPTIMUM MOISTUF FOLLOWING THE SWMP. 7. CONSTRUCT THE EMERGENCY SPILLWAY. 8. REHABILITATE THE STRUCTURE FOLLOWIN
ROCK CHECK DAM SD	
	(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)
	Disclaimer and Copyright: Scale:
	CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.
C CF AS DH 04/04/2022 ISSUED FOR CONSTRUCTION	THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE
B         MG         AS         PB         09/03/2022         ISSUED FOR CONSTRUCTION CERTIFICATE           A         MG         AS         PB         25/01/2022         ISSUED FOR SUBDIVISION WORKS CERTIFICATE APPROVAL	COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING     ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED     OR COPIED WHOLLY OR IN PART WITHOUT THE
Rev Drawn Design Appd. Date Revision Description	PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD

#### 1. ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL. SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "ENVIRONMENT PROTECTION AUTHORITY". AND "DEPT OF LAND AND WATER CONSERVATION". MEASURES OUTLINED IN THE SEDIMENT & EROSION CONTROL PLAN MUST BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS.

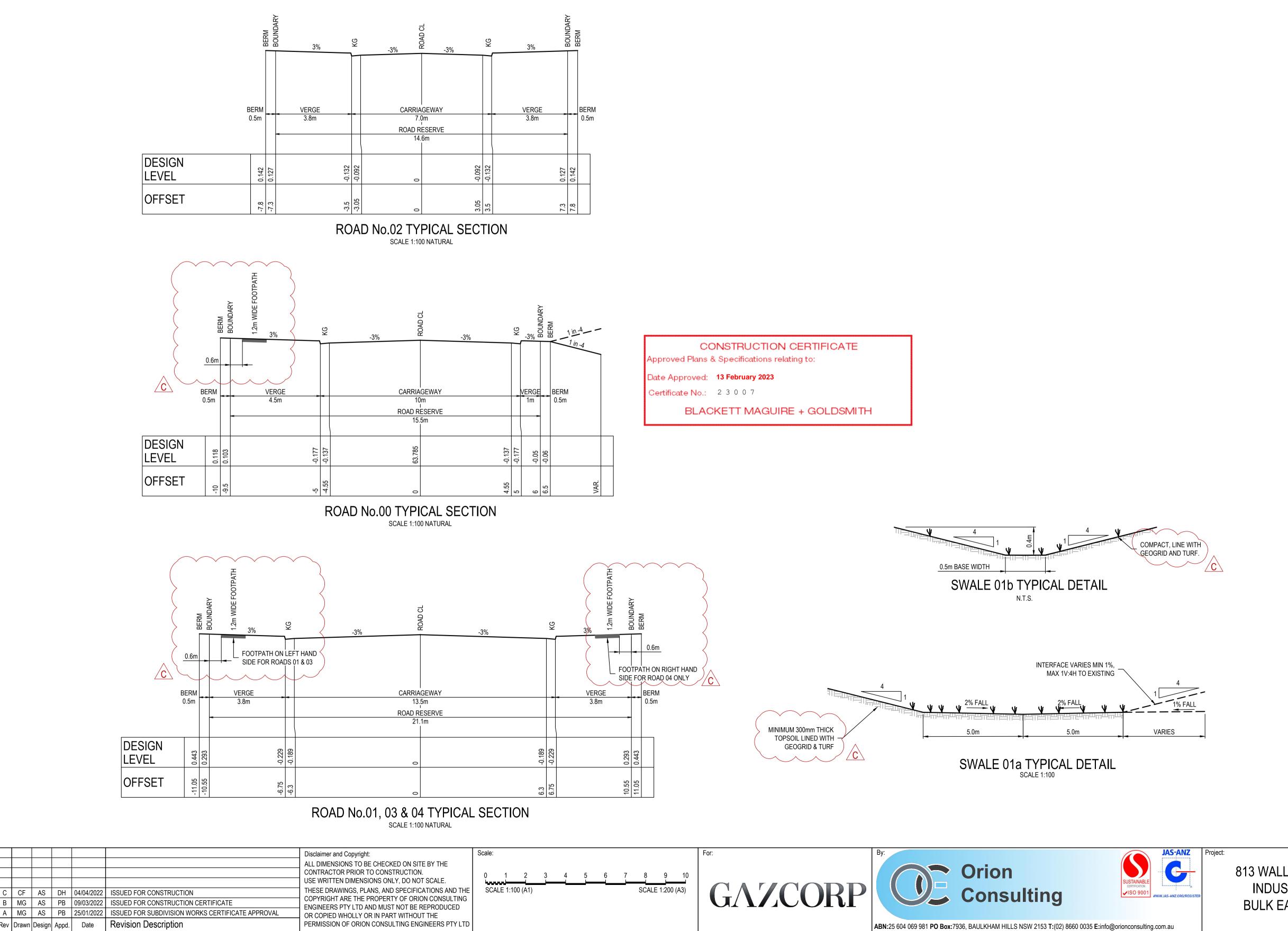
- 2. TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- 3. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- 4. ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. STRAW
- BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- 5. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING
- ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.





MODIFIED SWALE NOTES ADDED FOOTPATH OFFSET DIMENSIONS

<u>////</u>



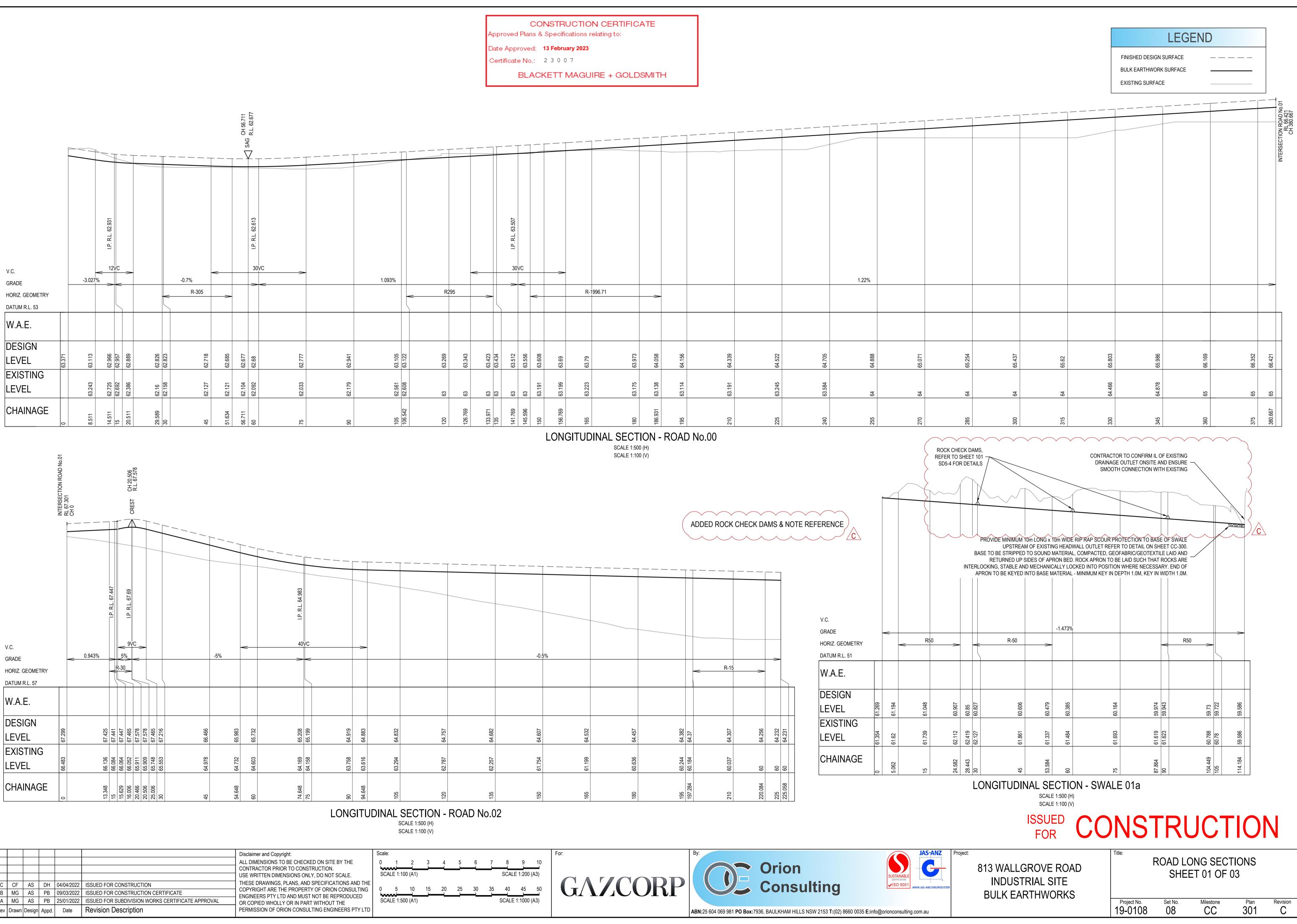
ev Drawn Design Appd. Date

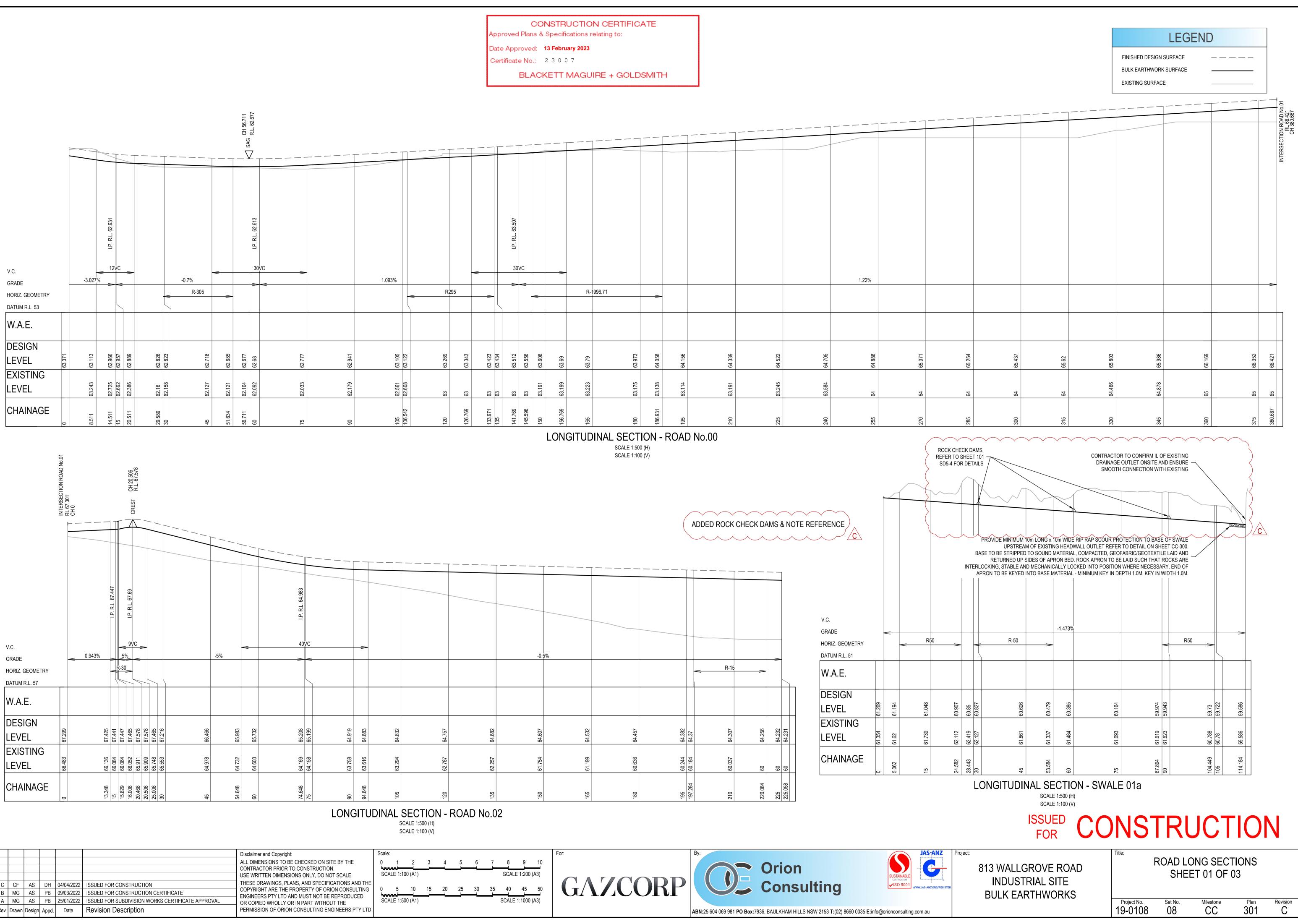
	SET	OUT TABL	E ROAL	) No.00	
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	301205.84	6255579.05	269°04'09.28"		
29.59	301176.25	6255578.57	269°04'09.28"		
40.61	301165.23	6255578.39		-305	22.045
51.63	301154.25	6255577.42	264°55'40.95"		
106.54	301099.55	6255572.56	264°55'40.95"		
120.26	301085.88	6255571.35		295	27.429
133.97	301072.16	6255571.41	270°15'19.34"		
145.6	301060.53	6255571.46	270°15'19.34"		
166.26	301039.86	6255571.55		-1996.715	41.336
186.93	301019.2	6255571.22	269°04'09.28"		
380.67	300825.49	6255568.07	269°04'09.28"		
	SET	OUT TABI	F ROAF	) No 01	
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	300825.49	6255568.07	178°54'32.08"		
224.5	300829.76	6255343.61	178°54'32.08"		
238.87	300830.11	6255325.32		18.3	28.739
253.24	300811.82	6255324.97	268°53'16.02"		
602.67	300462.46	6255318.18	268°53'16.02"		
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	300828.56	6255406.74	88°53'00.19"		
252.75	301081.26	6255411.67	88°53'00.19"		
267.12	301099.56	6255412.02		18.3	28.746
281.49	301099.91	6255393.73	178°53'00.04"		
412.24	301102.46	6255263	178°53'00.04"		
412.24		6255263			
412.24					<u> </u>
412.24	JT TABL	E ROAD	No.04		<u> </u>
412.24 SETOU CHAINAGE	JT TABL EASTING	E ROAD	No.04 bearing		<u> </u>
412.24 SETOU CHAINAGE 0	JT TABL EASTING 301101.08 301225.28	E ROAD NORTHING 6255334.07 6255336.49	No.04 BEARING 88°53'00.11" 88°53'00.11"	/012	
412.24 SETOU CHAINAGE 0 124.22	JT TABL EASTING 301101.08 301225.28	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA	No.04 BEARING 88°53'00.11" 88°53'00.11" BLE SW		
412.24 SETOU CHAINAGE 0 124.22 CHAINAGE	JT TABL EASTING 301101.08 301225.28 SE EASTING	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA NORTHING	No.04 BEARING 88°53'00.11" 88°53'00.11" BLE SW BEARING	/01a RAD/SPIRAL	A.LENGTH
412.24 SETOU CHAINAGE 0 124.22 CHAINAGE 0	JT TABL EASTING 301101.08 301225.28 SE EASTING 301353.3	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA NORTHING 6255041.62	No.04 BEARING 88°53'00.11" 88°53'00.11" BLE SW BEARING 35°33'54.70"		A.LENGTH
412.24 SETOU CHAINAGE 0 124.22 CHAINAGE 0 5.06	JT TABL EASTING 301101.08 301225.28 SE EASTING 301353.3 301356.25	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA NORTHING 6255041.62 6255045.74	No.04 BEARING 88°53'00.11" 88°53'00.11" BLE SW BEARING	RAD/SPIRAL	
412.24 SETOU CHAINAGE 0 124.22 CHAINAGE 0 5.06 14.82	JT TABL EASTING 301101.08 301225.28 SE EASTING 301353.3 301356.25 301362	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA NORTHING 6255041.62 6255045.74 6255053.78	No.04 BEARING 88°53'00.11" 88°53'00.11" BEARING 35°33'54.70" 35°33'54.70"		A.LENGTH
412.24 SETOU CHAINAGE 0 124.22 CHAINAGE 0 5.06	JT TABL EASTING 301101.08 301225.28 SE EASTING 301353.3 301356.25	E ROAD NORTHING 6255334.07 6255336.49 ETOUT TA NORTHING 6255041.62 6255045.74	No.04 BEARING 88°53'00.11" 88°53'00.11" BLE SW BEARING 35°33'54.70"	RAD/SPIRAL	

14.82	301362	6255053.78		50	19.519
24.58	301370.37	6255059.03	57°55'57.88"		
28.44	301373.64	6255061.08	57°55'57.88"		
41.01	301384.53	6255067.89		-50	25.142
53.58	301390.78	6255079.11	29°07'20.03"		
87.86	301407.46	6255109.06	29°07'20.03"		
96.16	301411.53	6255116.37		50	16.585
104.45	301417.77	6255121.96	48°07'37.32"		
114.95	301425.58	6255128.96	48°07'37.32"		

### FOR CONSTRUCTION

313 WALLGROVE ROAD INDUSTRIAL SITE BULK EARTHWORKS	Title:	-	YPICAL S SECTIC	NS	
	Project No. 19-0108	Set No.	Milestone CC	Plan <b>300</b>	Revision C



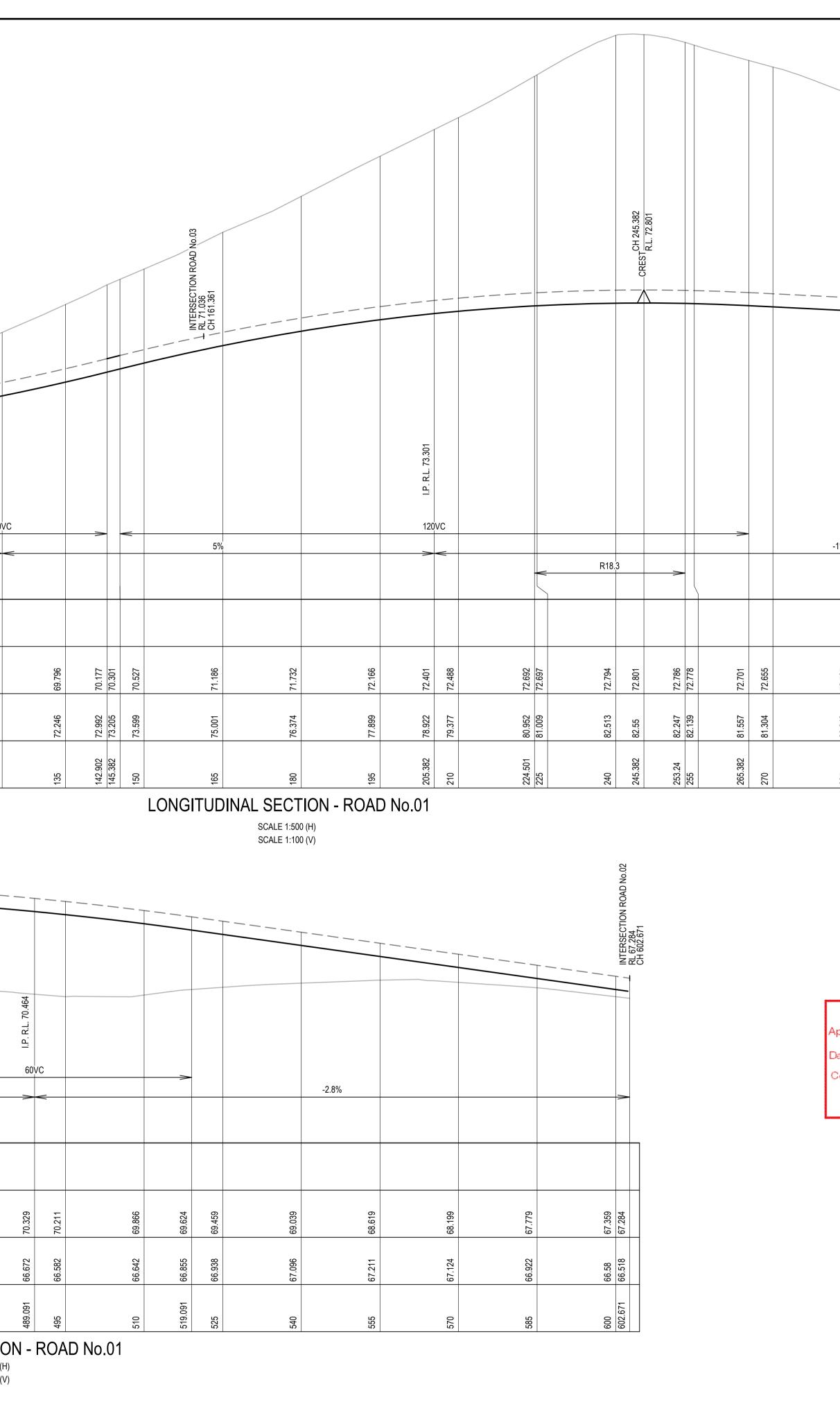


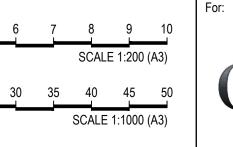
	INTERSECTION ROADNo.00 - RI 66 421				CH 18.584 R.L. 66.045													_
V.C.	INTERSECT		-3%		25 I.P. R.L. 65.852 SAG CH 1					3.2%							69.177 B.L. 69.177	VC
GRADE HORIZ. GEOMETRY DATUM R.L. 61 W.A.E.		<															>	
DESIGN LEVEL EXISTING	66.421	66.227	66 D61		66.046 66.046		00.2U/ 66.252	66.684	67.164	67.644	68 122			68.537	68.605	69.15	69.267	
LEVEL	65	65	65 282	00.505	65.417 65.417	65 704	65.841	66.368	66.948	67.754	50 50 50	0		69.595	69.763	70.936	71.181	
CHAINAGE	0	6.487	ť		18.584 18.987	ç	ои 31.487	45	60	75	6	8		102.902	105	120	122.902	
	SEE ABOVE FOR CONTINUATION																	
V.C. GRADE HORIZ. GEOMETRY	SEE ABOVE FOR									-1%			-	<				
DATUM R.L. 61																		
DESIGN LEVEL EXISTING	1 71.755		7 71 605				00	 9 71.305		9			1 70.764		/// ci	22 70.489		
LEVEL CHAINAGE	360 73.791		375 72 417					405 70.699	420 69.739	435 68.819			459.091 67.511		402 C42	480 66.822		

#### LONGITUDINAL SECTION - ROAD No.01

SCALE 1:500 (H) SCALE 1:100 (V)

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В	MG	AS	PB	09/03/2022	ISSUED FOR CONSTRUCTION CERTIFICATE	COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED		15 2	20 25	
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Rev	Drawn	Design	Appd.	Date	Revision Description	PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD				











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				<b>LEGEI</b> SIGN SURFACE VORK SURFACE RFACE	ND 	
					ONTINUATION	
-1%					SEE BELOW FOR CONTINUATION	
72.505	72.355	72.205	72.055	71.905	71.755	
80.242	79.041	77.619	76.158	74.82	73.791	
285	300	315	330	345	360	

CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to:

Date Approved: 13 February 2023

Certificate No.: 23007

BLACKETT MAGUIRE + GOLDSMITH

## FOR CONSTRUCTION

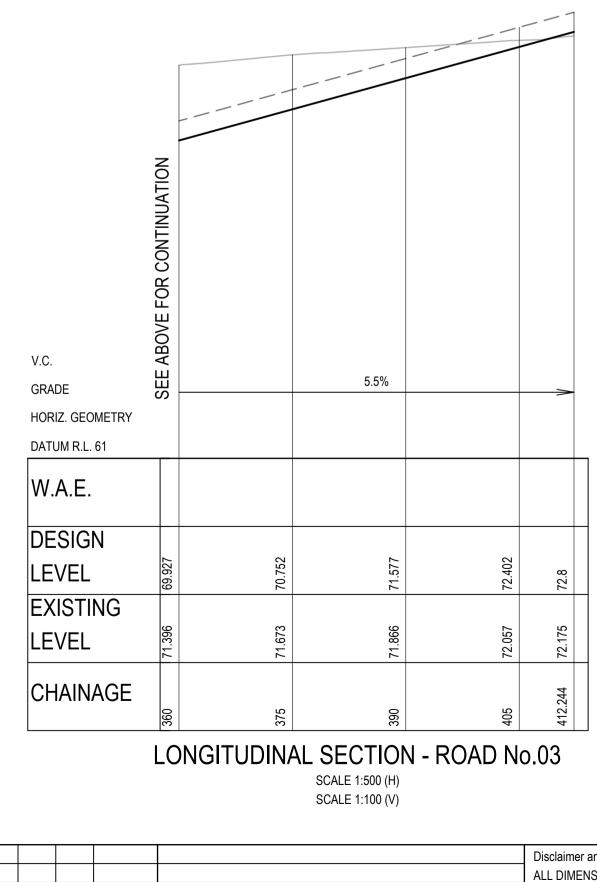
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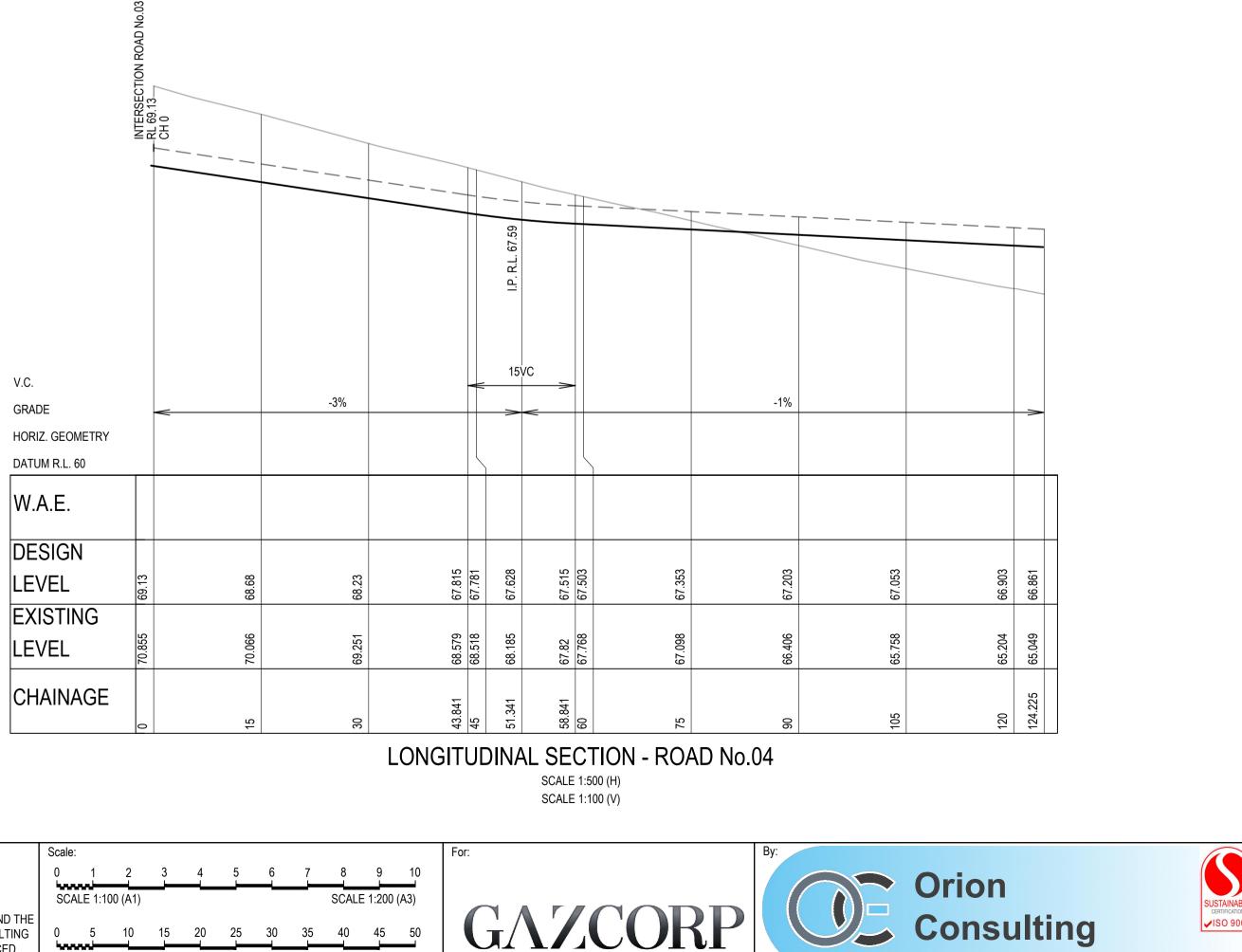
3 WALLGROVE ROAD	
INDUSTRIAL SITE	
BULK EARTHWORKS	

ROAD LONG SECTIONS SHEET 02 OF 03 Project No. **19-0108** Plan 302 Set No. **08** 

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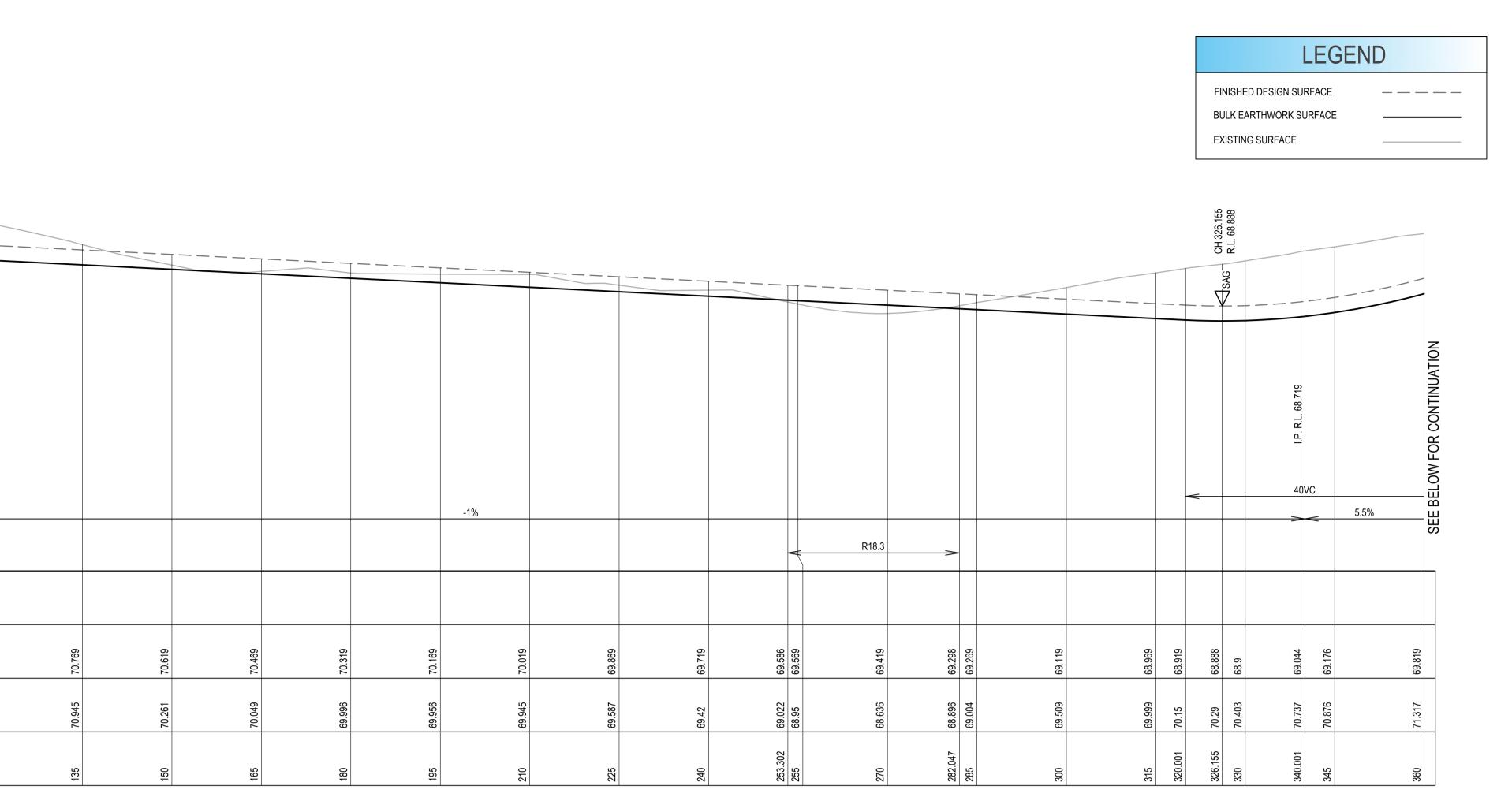
					SAG CH 15.118	N.L. 70.004								CRESTCH 66.954					 	
V.C.			-3%	8 I.P. R.L. 70.576	vc		~		2%		-		1:7: K.L. / 1:310 0.VC							
GRADE HORIZ. GEOMETRY DATUM R.L. 60		<	0,0	~										5						
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DESIGN LEVEL	70.976	70.846		70.689	70.684	70.684	70.756	70.91	71 116	011.17	71.202	130 17	71.366	71.382	71.358	71.316	71.219	71 069	70.919	
EXISTING LEVEL	74.501	74.466					74.374	74.322	60 V2		74.115		73.702		73.204	73.051		72 286	71.634	
CHAINAGE	0	4.318		13.318	15	15.118	22.318	30	700 OK	107.04	45	G	60.287	66.954	75	80.287	06	ر 10 70	120	





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							SCALE 1:100 (A	1)			
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В	MG	AS	PB	09/03/2022	ISSUED FOR CONSTRUCTION CERTIFICATE			15	20	25	
А	MG	AS	PB	25/01/2022	ISSUED FOR SUBDIVISION WORKS CERTIFICATE APPROVAL		SCALE 1:500 (A	1)			
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CONSTRUCTION CERTIFICATE Approved Plans & Specifications relating to: Date Approved: 13 February 2023 Certificate No.: 23007 BLACKETT MAGUIRE + GOLDSMITH



Project:

30 35 40 45 50 SCALE 1:1000 (A3)



ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

### FOR CONSTRUCTION

Set No. **08** 

Project No. **19-0108** 

813 WALLGROVE ROAD INDUSTRIAL SITE **BULK EARTHWORKS** 

ROAD LONG SECTIONS SHEET 03 OF 03

Milestone

Plan 303

Revision B