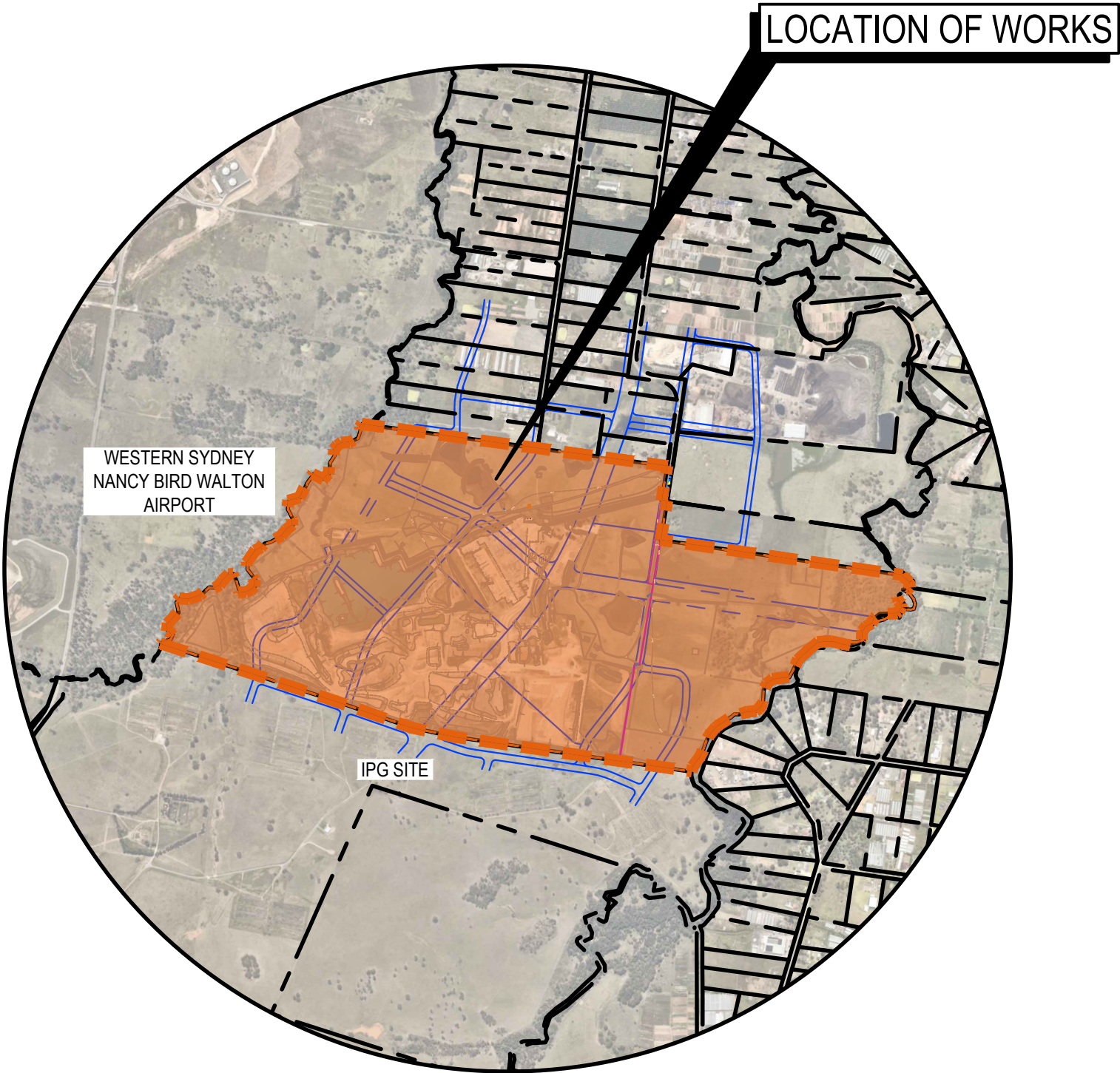


REHABILITATION WORKS - 265 MARTIN ROAD, BRADFIELD

ISSUE FOR CONSTRUCTION
LIVERPOOL CITY COUNCIL

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
GENERAL	
MAR-AAP-BE-01-DRG-CI-0001	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
MAR-AAP-BE-01-DRG-CI-0021	GENERAL NOTES
MAR-AAP-BE-01-DRG-CI-0100	GENERAL ARRANGEMENT AND STAGING PLAN
EARTHWORKS	
MAR-AAP-BE-01-DRG-CI-0101	EARTHWORKS AND GRADING PLAN SHEET 1
MAR-AAP-BE-01-DRG-CI-0102	EARTHWORKS AND GRADING PLAN SHEET 2
MAR-AAP-BE-01-DRG-CI-0103	EARTHWORKS AND GRADING PLAN SHEET 3
MAR-AAP-BE-01-DRG-CI-0104	EARTHWORKS AND GRADING PLAN SHEET 4
MAR-AAP-BE-01-DRG-CI-0105	EARTHWORKS AND GRADING PLAN SHEET 5
MAR-AAP-BE-01-DRG-CI-0106	EARTHWORKS AND GRADING PLAN SHEET 6
MAR-AAP-BE-01-DRG-CI-0107	EARTHWORKS AND GRADING PLAN SHEET 7
MAR-AAP-BE-01-DRG-CI-0108	EARTHWORKS AND GRADING PLAN SHEET 8
MAR-AAP-BE-01-DRG-CI-0121	EARTHWORKS SITE SECTIONS SHEET 1
MAR-AAP-BE-01-DRG-CI-0122	EARTHWORKS SITE SECTIONS SHEET 2
MAR-AAP-BE-01-DRG-CI-0123	EARTHWORKS SITE SECTIONS SHEET 3
MAR-AAP-BE-01-DRG-CI-0124	EARTHWORKS SITE SECTIONS SHEET 4
MAR-AAP-BE-01-DRG-CI-0125	EARTHWORKS SITE SECTIONS SHEET 5
MAR-AAP-BE-01-DRG-CI-0126	EARTHWORKS SITE SECTIONS SHEET 6
MAR-AAP-BE-01-DRG-CI-0127	EARTHWORKS SITE SECTIONS SHEET 7
MAR-AAP-BE-01-DRG-CI-0130	CUT AND FILL PLAN
MAR-AAP-BE-01-DRG-CI-0141	RETAINING WALL PLAN
MAR-AAP-BE-01-DRG-CI-0161	RETAINING WALL ELEVATIONS AND DETAILS SHEET 1
MAR-AAP-BE-01-DRG-CI-0162	RETAINING WALL ELEVATIONS AND DETAILS SHEET 2
MAR-AAP-BE-01-DRG-CI-0163	RETAINING WALL ELEVATIONS AND DETAILS SHEET 3
MAR-AAP-BE-01-DRG-CI-0171	EROSION AND SEDIMENT CONTROL PLAN
MAR-AAP-BE-01-DRG-CI-0191	EROSION AND SEDIMENT CONTROL DETAILS



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						Scales		Surveyor		Client		Status CONSTRUCTION		Project REHABILITATION WORKS 265 MARTIN ROAD, BRADFIELD		 Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 www.arcadis.com/au	
						 0500100015002000m 1 : 20000						© Copyright reserved					
												Original Issue Signatures				Title COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE	
Drawn		J. VARGAS		Original Size		A1		Designed		C. FANNER		Height Datum		AHD			
Project Manager		J. HEYDON		Grid		MGA/20-56		Verified		J. HEYDON							
Issue		Description		DR	CH	VE	Date										
A		FOR CONSTRUCTION		CF	JH	JH	27.06.25										
01		FOR INFORMATION		JV	CF	JH	06.06.25										

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S STANDARDS AND SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER. CONTRACTOR IS TO PROVIDE EVIDENCE THAT VEHICULAR CROSSING HAS BEEN CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL STANDARDS.
2. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT, (NOT AT COUNCIL'S EXPENSE)
3. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
4. SURVEY MARKS SHALL BE MAINTAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE ENGINEER SHALL BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
5. ALL NEW WORKS SHALL MAKE SMOOTH JUNCTION WITH EXISTING CONDITIONS.
6. SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO SOIL DISTURBANCE IN KEEPING WITH THE "MANAGING STORMWATER MANUAL", 2004 BY LANDCOM AND TO COUNCIL'S SOIL EROSION AND SEDIMENT CONTROL POLICY.
7. ALL LAND DISTURBED BY EARTHWORKS SHALL BE HYDROMULCHED, OR SIMILARLY TREATED TO ESTABLISH GRASS COVER. SEED MIXTURES ARE TO BE APPROVED BY COUNCIL PRIOR TO SPRAYING. ALL GRASSED AREAS SHALL BE REGULARLY WATERED AND MAINTAINED UNTIL EXPIRATION OF THE MAINTENANCE PERIOD.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
9. ALL PITS DEEPER THAN 1.2m SHALL HAVE STEP IRONS PROVIDED IN ACCORDANCE WITH COUNCIL'S STANDARDS.
10. ALL DRAINAGE LINES THROUGH LOTS SHALL BE CONTAINED WITHIN THEIR EASEMENTS AND CONFORM WITH COUNCIL'S STANDARDS.
11. SUBSOIL DRAINS SHALL BE CONSTRUCTED TO THE SATISFACTION OF THE COUNCIL.
12. MINIMUM 100mm THICK TOPSOIL SHALL BE SPREAD ON ALL VERGES, BERMS, BATTERS AND SITE REGRADING AREAS. EXCESS TOPSOIL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL PROVIDE MINIMUM 24 HOURS NOTICE TO THE ENGINEER FOR ALL INSPECTIONS.
14. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO THE ADJOINING PROPERTIES.
15. THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO ENGINEERS SATISFACTION AND SHALL DISPLAY APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.
16. ALL NATURAL SURFACE DATA HAS BEEN DETERMINED BY TERRAIN MODELLING. ALL CONSTRUCTION SITE WORKS MUST BE CARRIED OUT USING THE BENCH MARKS NOTED ON THIS DRAWING.

1. ORIGIN OF LEVELS: REFER SURVEY NOTES.

2. STRIP ALL TOPSOIL / ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.

3. EXCAVATED MATERIAL MAY BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS $\pm 2\%$ OF THE OPTIMUM MOISTURE CONTENT AND THE GEOTECHNICAL ENGINEER PROVIDES WRITTEN APPROVAL THAT THE MATERIAL IS SUITABLE.

4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

LOCATION	MINIMUM STANDARD DRY DENSITY (AS 1289 5.1.1)
UNDER ROADS, FOOTWAYS AND CAR PARKS	100%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	95%

5. FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.

6. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 12 TONNE (MIN) DEADWEIGHT SMOOTH DRUM NON-VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).

7. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN:

- a. 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL
- b. 3 TESTS PER VISIT
- c. 1 TEST PER 1000m² OF EXPOSED SUBGRADE

9. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 300mm LAYERS.

10. NO FILLING SHALL TAKE PLACE TO EXPOSED SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF GEOTECHNICAL ENGINEER AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

11. TESTING SHALL BE "LEVEL 1" IN ACCORDANCE WITH AS 3798.

12. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFIELD, DOUGLAS PARTNERS, JUNE 2025.

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION.
2. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
3. ARCADIS CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
4. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
5. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
6. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS SURVEYORS BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT THE SUPERINTENDENT.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

DATUM	A.H.D.	JOB REF.	52486 001 DT (REV A) DATED 13/06/25
ORIGIN	PM 33801	GRID	MGA 2020

EXISTING STOCKPILE LOCATION SURVEY TAKEN FROM MATTHEW FREEBUR
DRAWING 31126 250512 STOCKPILES DATED 12/05/2025 REF: 31126 REV 2

ITS SURVEYED SURFACE EXTENTS DID NOT COVER THE WHOLE PROPOSED AREA, THEREFORE ANY GAPS IN EXISTING DTM WERE FILLED WITH PREVIOUS CRAIG & RHODES DWG FILE REF: 064-170 04 912 DATED 17/07/2023

GENERAL INSTRUCTIONS

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN IN THE DRAWINGS IS INDICATIVE ONLY AND SHOULD BE CONSIDERED A MINIMUM TREATMENT. THE CONTRACTOR HAS SOLE RESPONSIBILITY TO ENSURE THESE MEASURES ARE ADJUSTED AND SUPPLEMENTED APPROPRIATELY TO SUIT SITE CONDITIONS AT THE TIME, STAGING OF THE WORKS AND CONSTRUCTION METHODOLOGY.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - a. LOCAL AUTHORITY REQUIREMENTS
 - b. EPA REQUIREMENTS
 - c. LANDCON MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th Edition, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. THE WATER IN THE SEDIMENT BASIN(S) SHALL BE LOWERED PERIODICALLY TO MAINTAIN THE MINIMUM STORAGE VOLUME REQUIRED FOR FINE SOILS.
5. AT ALL TIMES A WATER CART(S) SHALL BE MAINTAINED ON SITE TO:
 - a. WATER THE AREAS OF HYDROMULCH
 - b. CONTROL DUST

WATERING OF MULCH, DUST OR VEGETATION MUST BE KEPT TO THE MINIMUM REQUIRED TO ACHIEVE SPECIFIED OUTCOMES. IN NO CASE SHALL AREAS BE OVER WATERED TO SATURATION OR TO THE POINT WHERE WATER POND ON THE SURFACE.

6. STORMWATER IN THE SETTLING ZONE SHALL BE DRAINED OR PUMPED OUT WITHIN 7 DAYS (NO LATER THAN 14 DAYS AS SITE CONDITIONS ALLOW) FOLLOWING RAINFALL EVENT IF THE NOMINATED WATER QUALITY TARGETS CAN BE MET. THE LOWER LEVEL OF THE SETTLING ZONE SHALL BE IDENTIFIED WITH A PEG THAT SHOWS CLEARLY THE LEVEL WHICH DESIGN CAPACITY IS AVAILABLE.

STORED SEDIMENT SHALL NOT ENCRoACH INTO SETTLING ZONE. SEDIMENT REMOVED FROM SITE SHALL BE DISPOSED OF IN PLACES THAT WILL NOT RESULT IN A FUTURE EROSION OR POLLUTION HAZARD.

TEMPORARY SEDIMENT BASIN OUTLET PIPE SHALL BE CAPPED DURING CONSTRUCTION. AFTER CONSTRUCTION BASIN SHOULD BE CLEARED OF SEDIMENTS BEFORE OUTLET PIPE CAP IS REMOVED.

9. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
 - A. INSTALL A WIND AND SITE SECURITY FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN.
 - B. INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN.
 - C. CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT / ENGINEER.
 - D. INSTALL SEDIMENT BASIN
 - E. INSTALL SEDIMENT TRAPS
 - F. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE
 - G. REFINISH AND COMPLY WITH THE NEAREST EXISTING STORMWATER SOILS AND CONSTRUCTION FOR DETAILS OF EROSION AND SEDIMENT CONTROL MEASURES, WHERE AND WHEN TO USE THESE AND HOW TO CORRECTLY INSTALL.

10. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
11. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

12. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARDOUS AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMIZE POSSIBLE LUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
13. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
14. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.

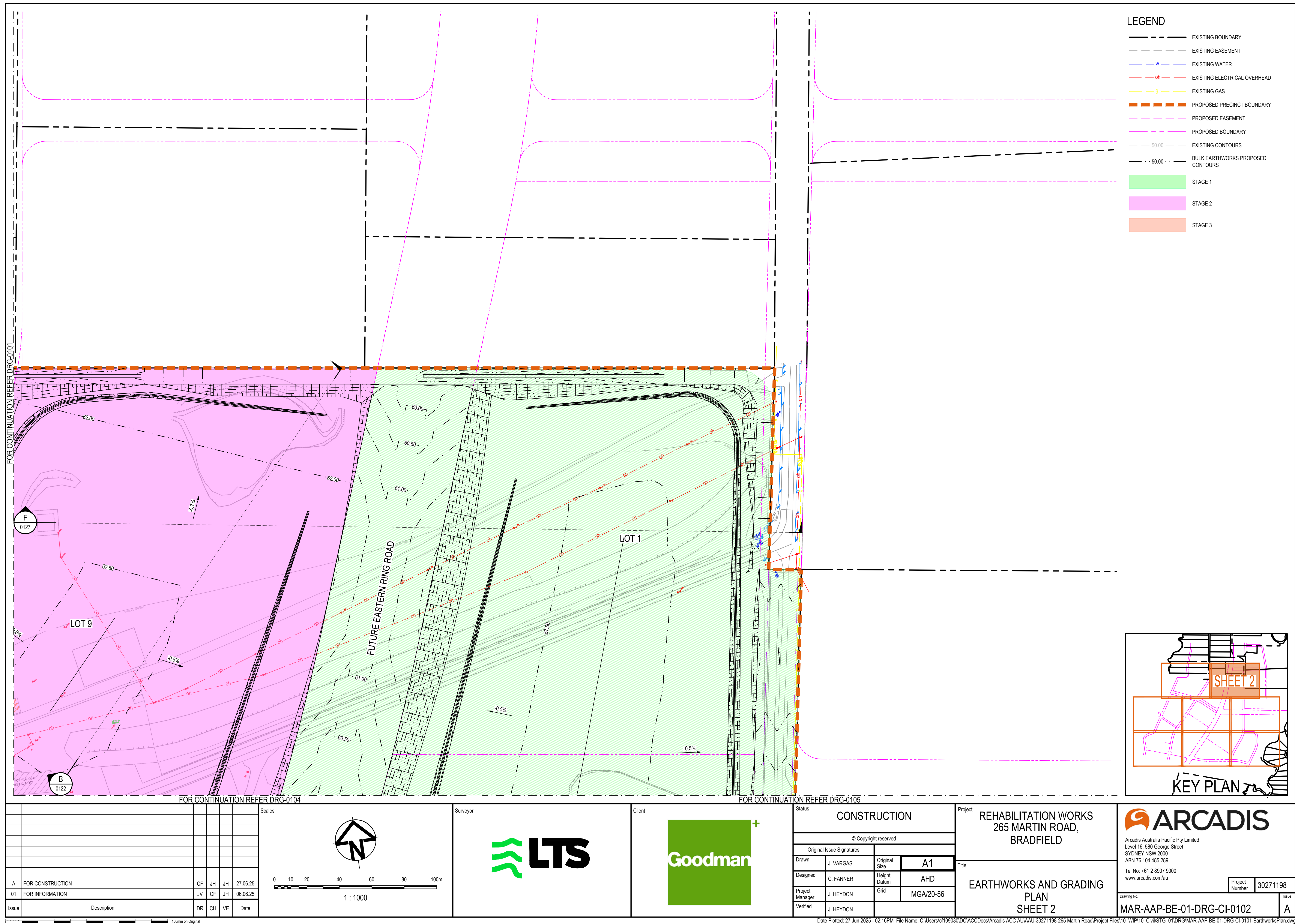
16. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
17. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LANDSCAPE ARCHITECTS DETAILS.

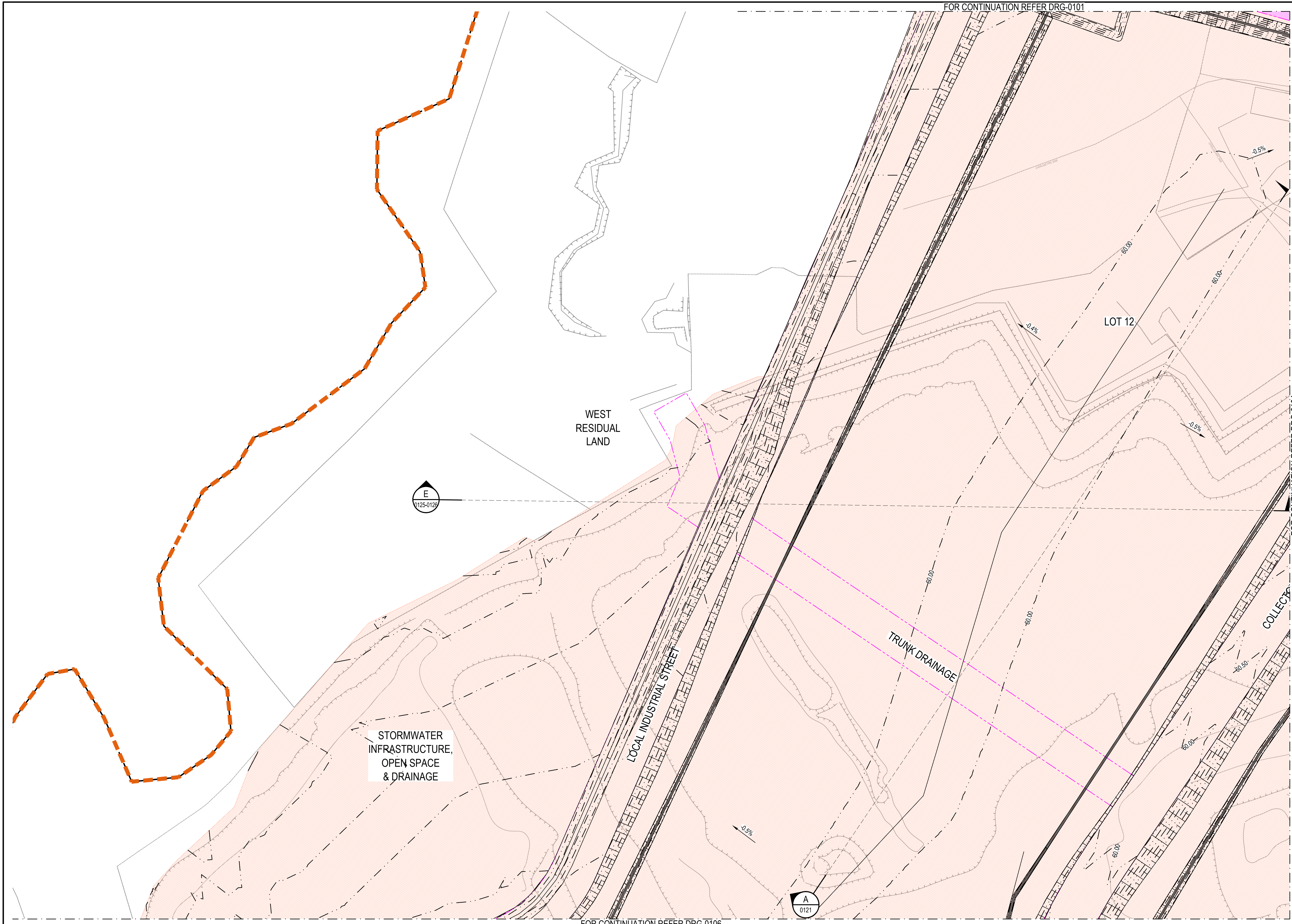
1. STORMWATER DESIGN CRITERIA:
 - MINOR SYSTEM - 10 YEAR ANNUAL EXCEEDANCE PROBABILITY (AEP)
 - MAJOR SYSTEM - 1% AEP
2. PIPES Ø375mm AND LARGER TO BE REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
3. PIPES UP TO AND INCLUDING Ø300mm TO BE UPVC CLASS SN8 WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH FRC PIPES MAY BE USED.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. PIPES TO BE INSTALLED TO TYPE HS1 SUPPORT IN ACCORDANCE WITH AS 3725 IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 AND AS/NZS 3500 3.2
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY THE SUPERINTENDENT.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN Ø300mm.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
15. PIPES ARE DESIGNED FOR OPERATIONAL TRAFFIC LOADS ONLY. APPROPRIATE MEASURES SHOULD BE TAKEN TO PROTECT PIPES DURING CONSTRUCTION.

1. ORIGIN OF LEVELS: REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DENSITY IN ACCORDANCE WITH A 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO RMS SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS SPECIFICATION 3051 COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH A 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS SPECIFICATION 3051 COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH A 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS SPECIFICATION 3051 WILL BE CONSIDERED SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF THE SUPERINTENDENT.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS (eg ADJUSTMENT OF SERVICES) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

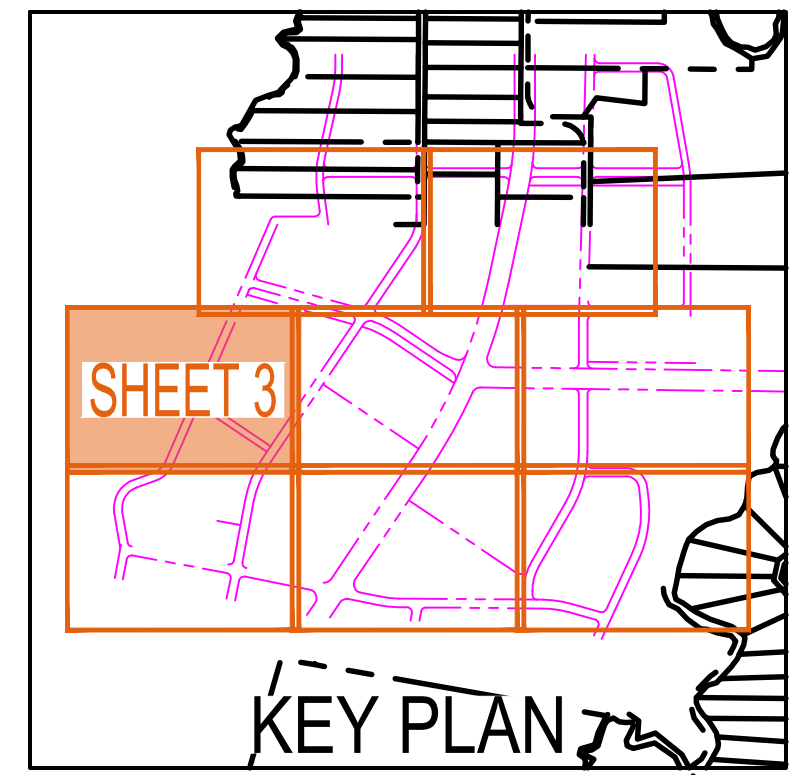
1. THE FOLLOWING DESIGN MODEL FILES ARE USED FOR THE DOCUMENTATION OF THESE DRAWINGS.
 - MAR-AAP-DA-00-SRC-XX-0000-Survey2025
 - MAR-AAP-DA-00-SRC-XX-0001-Survey2025Stockpiles
 - MAR-AAP-DA-00-SRC-XX-0005-Pt1Cutback
 - MAR-AAP-DA-00-SRC-XX-0005-Pt11RehabSurface
 - MAR-AAP-DA-00-SRC-XX-0052-Pt2RehabSurface
 - MAR-AAP-DA-00-SRC-XX-0005-Pt11Cutback
 - MAR-AAP-DA-00-SRC-XX-0100-CIVModel
 - MAR-AAP-DA-00-SRC-XX-1001-REHABModelTEXT
 - MAR-AAP-DA-00-SRC-XX-2000-REHABModelINTALT
 - MAR-AAP-DA-00-SRC-XX-0005-Pt11Cutback
2. THE CONTRACTOR IS TO REFER TO THESE MODELS FOR ALL SETOUT INFORMATION.

1. THESE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE EARTHWORKS SPECIFICATION.
2. THE EARTHWORKS SPECIFICATION ADOPTED IS THE OAKDALE EAST ESTATE STAGES 2 TO 5 EARTHWORKS SPECIFICATION PREPARED BY DOUGLAS PARTNERS DATED OCTOBER 2024.
3. A WORKSHOP IS REQUIRED WITH THE CONTRACTOR, GEOTECHNICAL ENGINEER AND CIVIL ENGINEER TO REVIEW AND AGREE ANY AMENDMENTS TO THIS EARTHWORKS SPECIFICATION PRIOR TO CONSTRUCTION COMMENCING ON SITE.

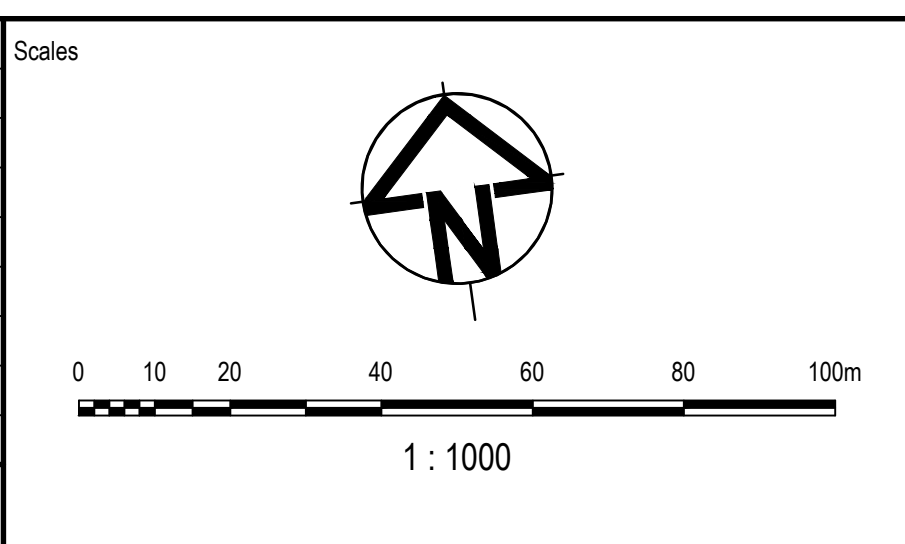




- LEGEND**
- EXISTING BOUNDARY
 - EXISTING EASEMENT
 - EXISTING WATER
 - EXISTING ELECTRICAL OVERHEAD
 - EXISTING GAS
 - PROPOSED PRECINCT BOUNDARY
 - PROPOSED EASEMENT
 - PROPOSED BOUNDARY
 - EXISTING CONTOURS
 - BULK EARTHWORKS PROPOSED CONTOURS
 - STAGE 1
 - STAGE 2
 - STAGE 3



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Status	CONSTRUCTION
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Original Issue Signatures	
Drawn	J. VARGAS
Designed	C. FANNER
Project Manager	J. HEYDON
Verified	J. HEYDON

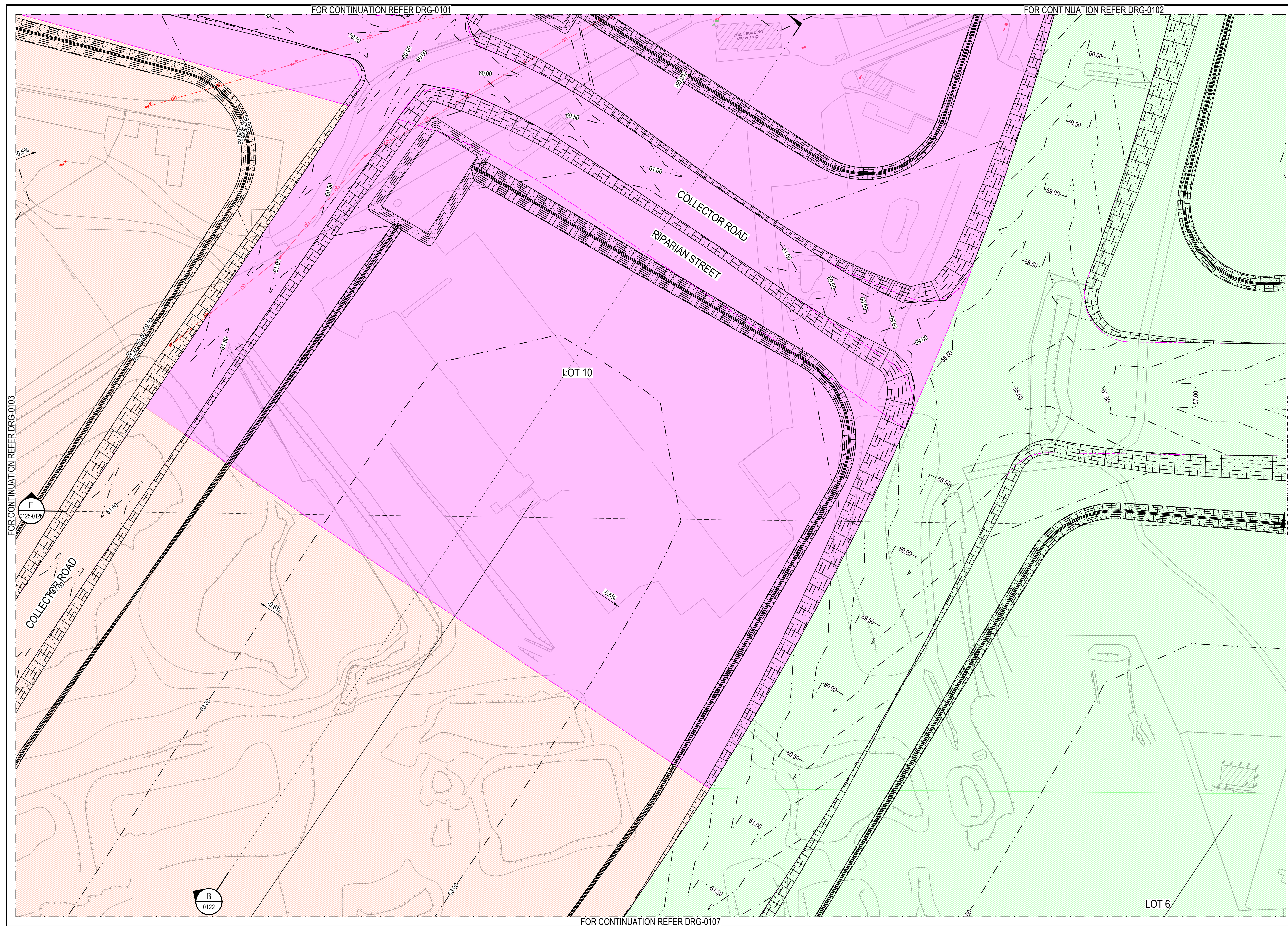
Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFELD
Title	EARTHWORKS AND GRADING PLAN SHEET 3

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Project Number	30271198
Issue	A

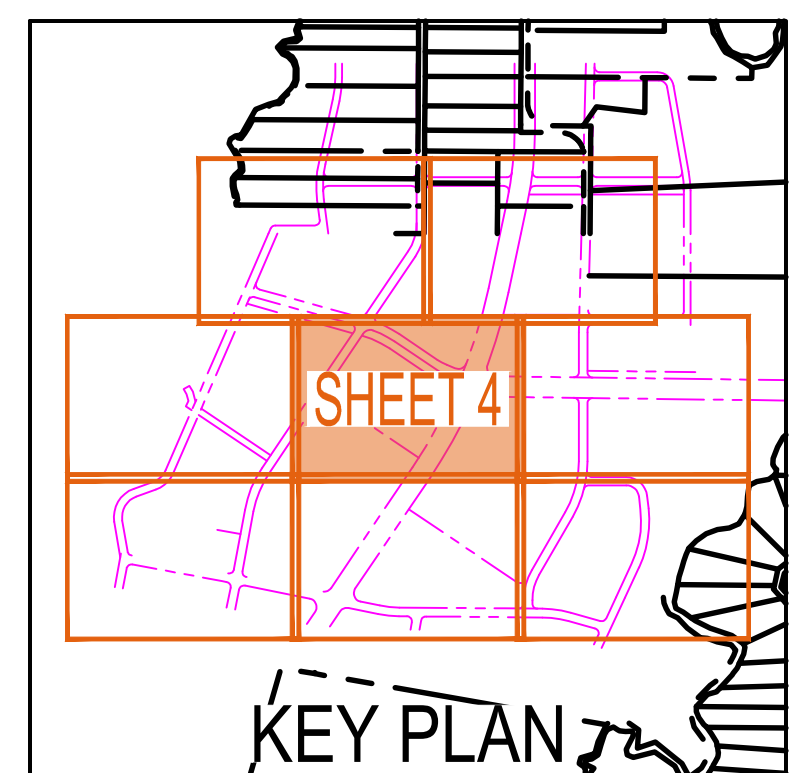
Drawing No.

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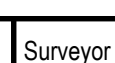
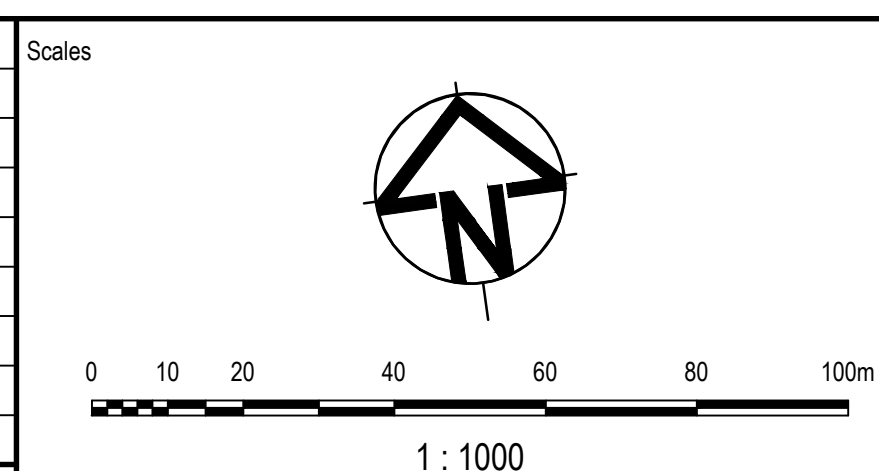


LEGEND

	EXISTING BOUNDARY
	EXISTING EASEMENT
	EXISTING WATER
	EXISTING ELECTRICAL OVERHEAD
	EXISTING GAS
	PROPOSED PRECINCT BOUNDARY
	PROPOSED EASEMENT
	PROPOSED BOUNDARY
	EXISTING CONTOURS
	BULK EARTHWORKS PROPOSED CONTOURS
	STAGE 1
	STAGE 2
	STAGE 3



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
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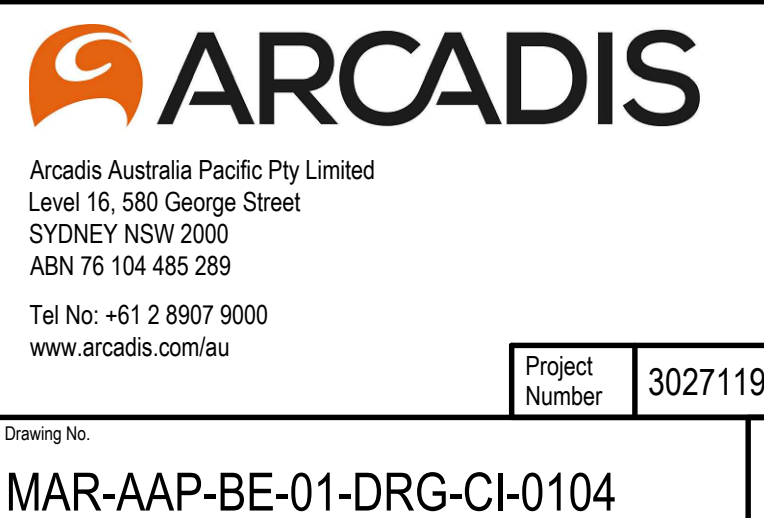
	Client
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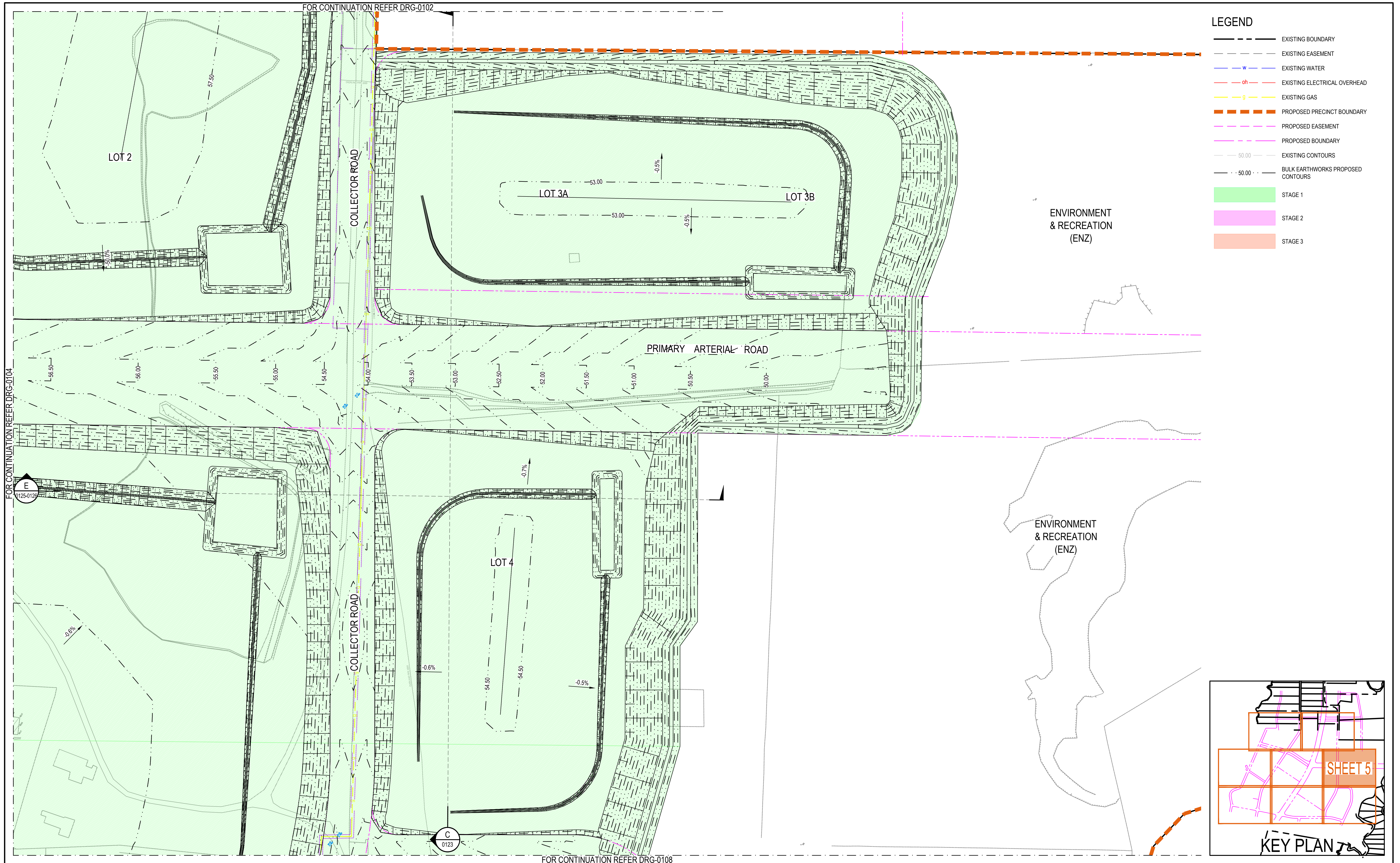


Status	CONSTRUCTION		
© Copyright reserved			
Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

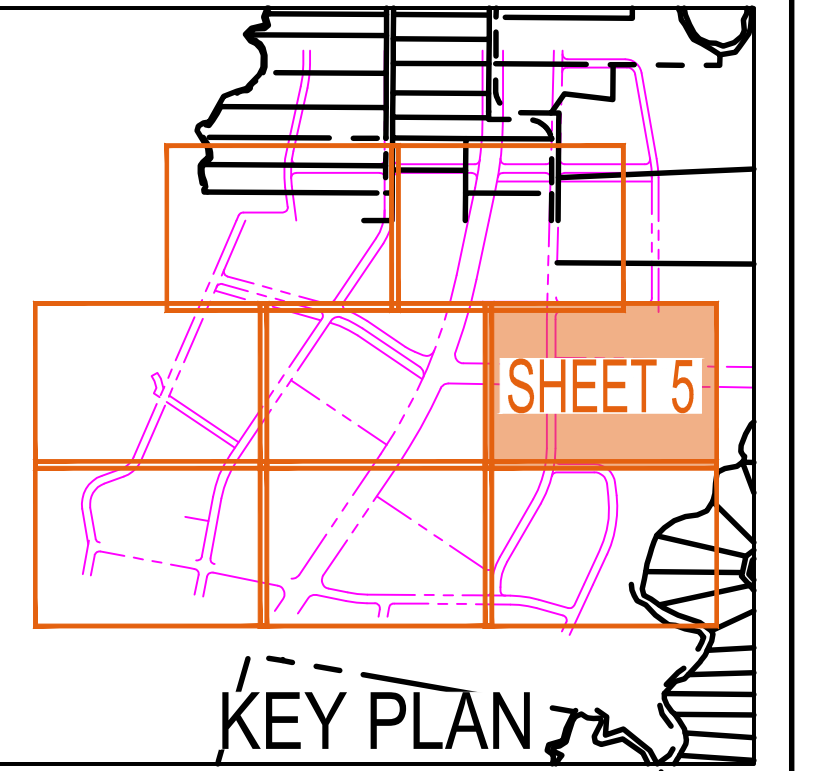
Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFELD
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Title	EARTHWORKS AND GRADING PLAN SHEET 4
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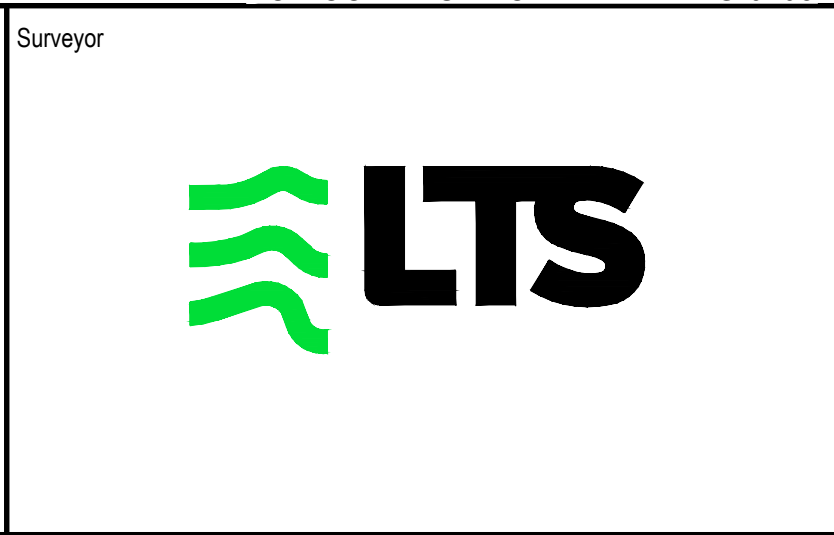
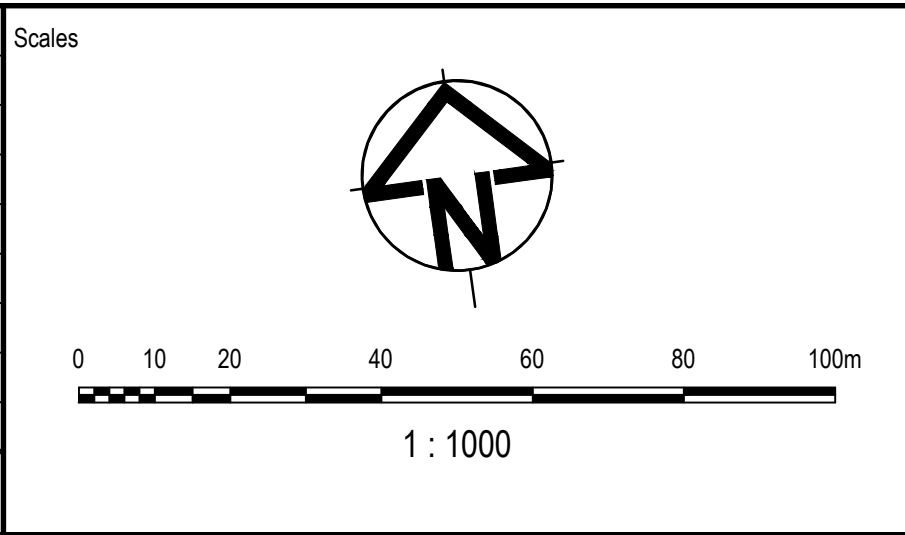




- LEGEND**
- EXISTING BOUNDARY
 - EXISTING EASEMENT
 - EXISTING WATER
 - EXISTING ELECTRICAL OVERHEAD
 - EXISTING GAS
 - PROPOSED PRECINCT BOUNDARY
 - PROPOSED EASEMENT
 - PROPOSED BOUNDARY
 - EXISTING CONTOURS
 - BULK EARTHWORKS PROPOSED CONTOURS
 - STAGE 1
 - STAGE 2
 - STAGE 3



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Status	CONSTRUCTION			
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Original Issue Signatures				
Drawn	J. VARGAS	Original Size	A1	
Designed	C. FANNER	Height Datum	AHD	
Project Manager	J. HEYDON	Grid	MGA/20-56	
Verified	J. HEYDON			

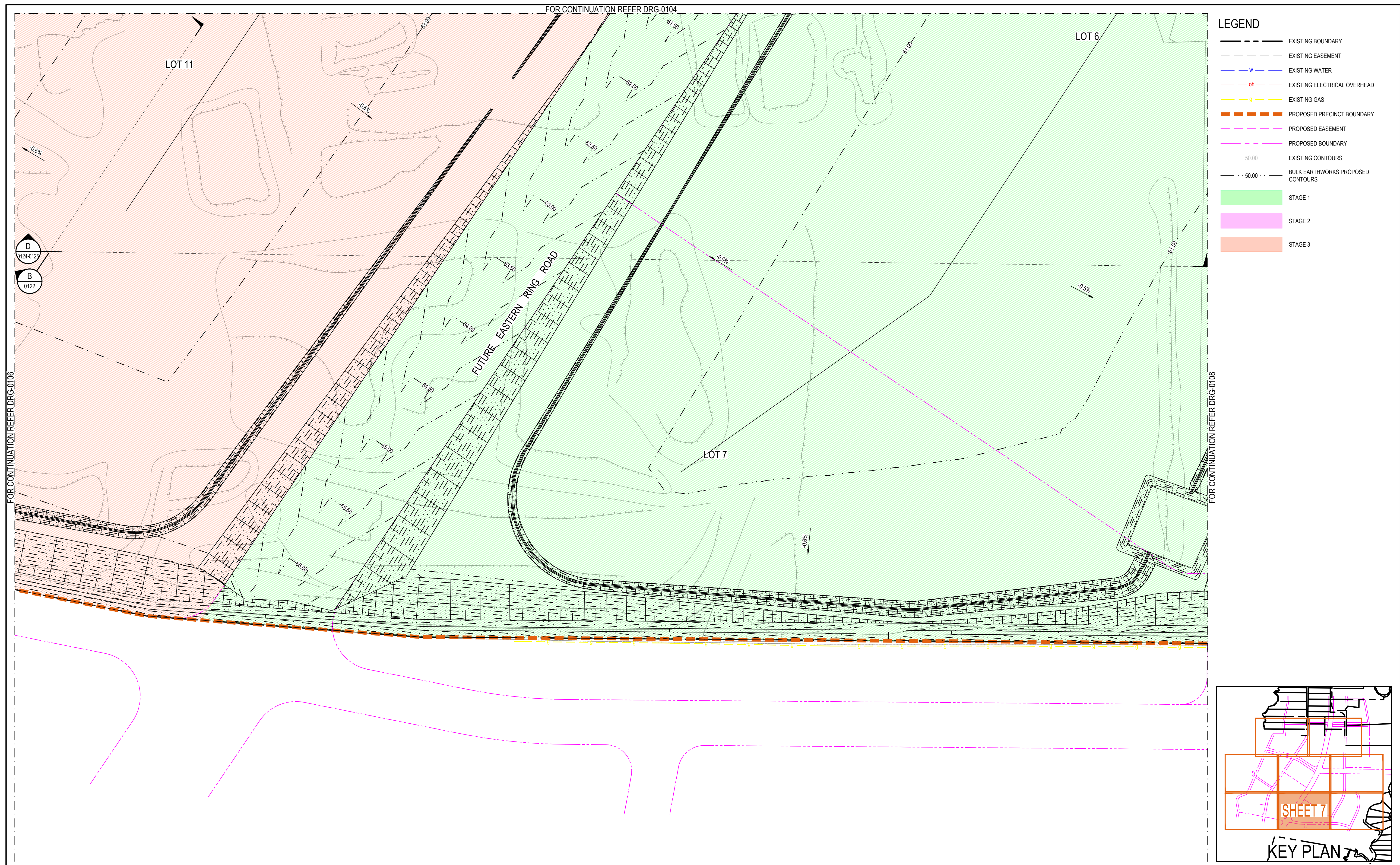
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Title	EARTHWORKS AND GRADING PLAN SHEET 5	

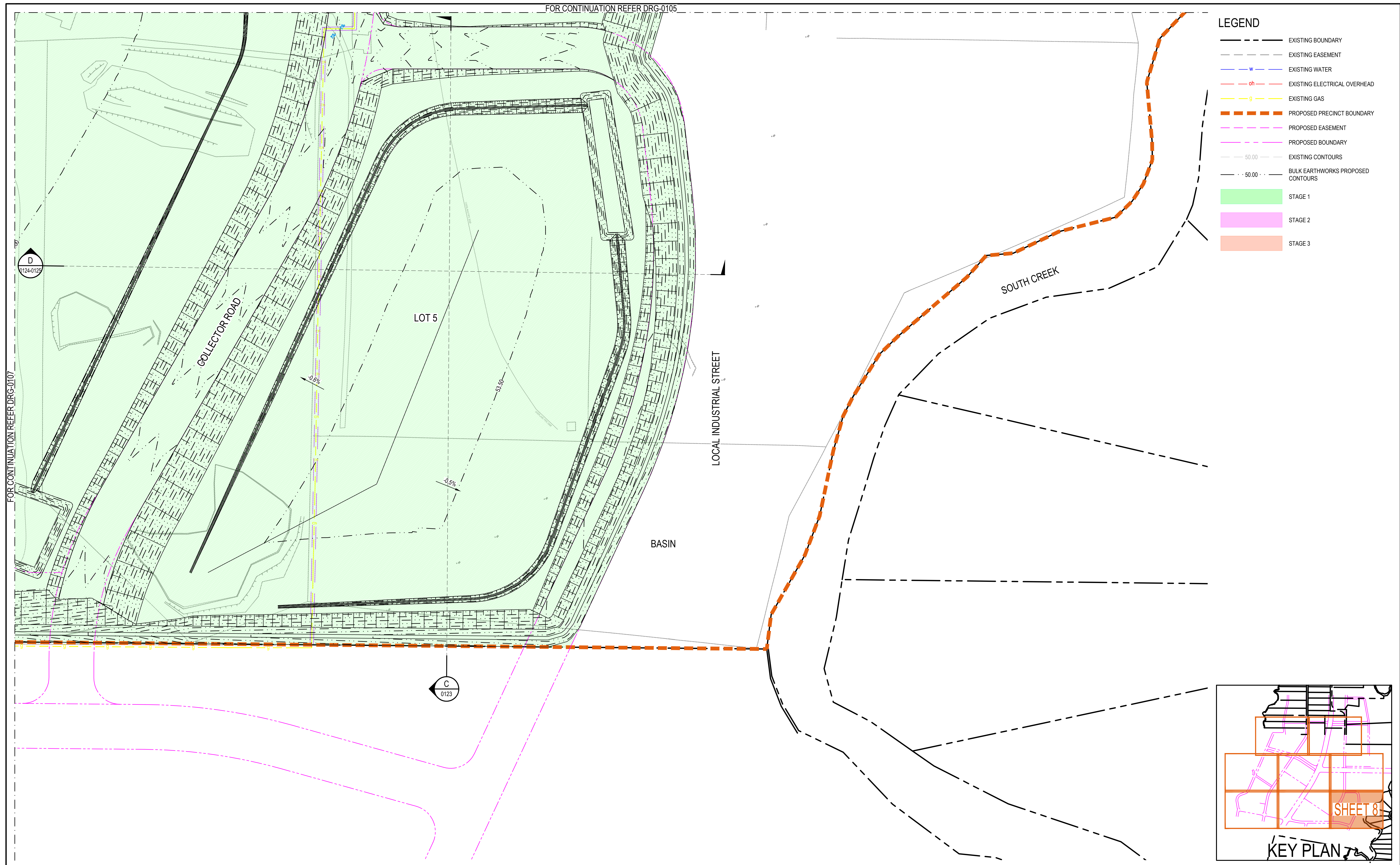
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number	30271198
Issue	A

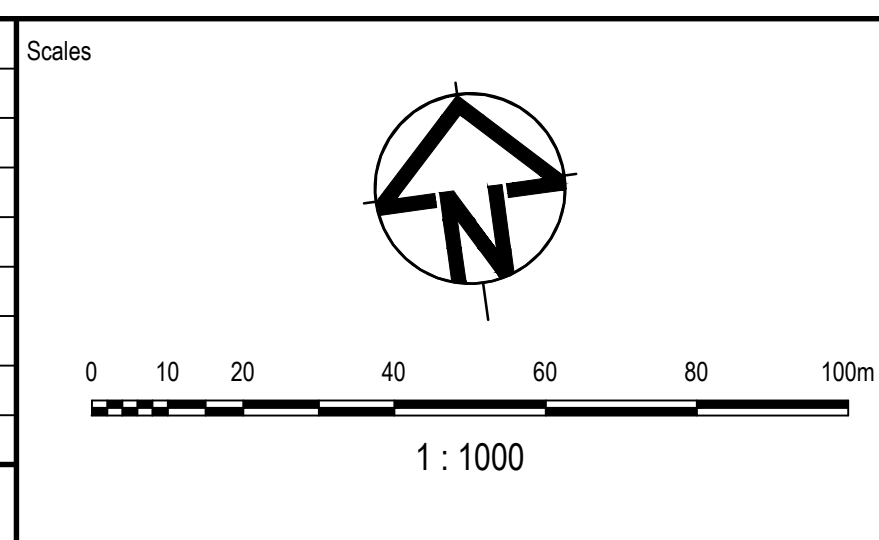
Drawing No.

MAR-AAP-BE-01-DRG-CI-0105

[illegible]



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Status	CONSTRUCTION		
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Original Issue Signatures		Original Size	A1
Drawn	J. VARGAS	Height Datum	AHD
Designed	C. FANNER	Grid	MGA/20-56
Project Manager	J. HEYDON		
Verified	J. HEYDON		

Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFIELD
Title	EARTHWORKS AND GRADING PLAN SHEET 8



ARCADIS

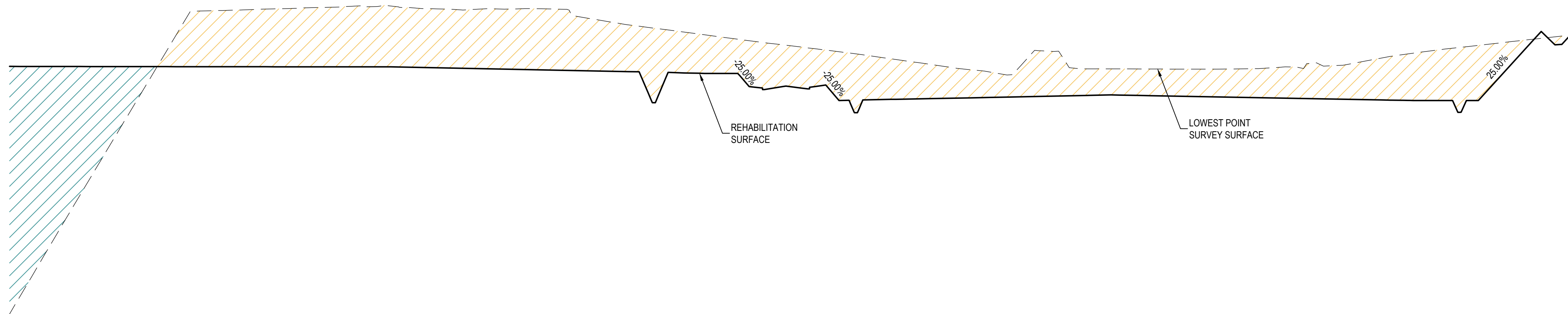
Arcadis Australia Pacific Pty Limited
 Level 16, 580 George Street
 SYDNEY NSW 2000
 ABN 76 104 485 289
 Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number	30271198
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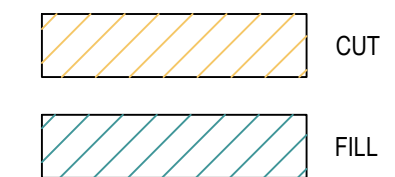
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MAR-AAP-BE-01-DRG-CI-0108

Issue	A
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LEGEND

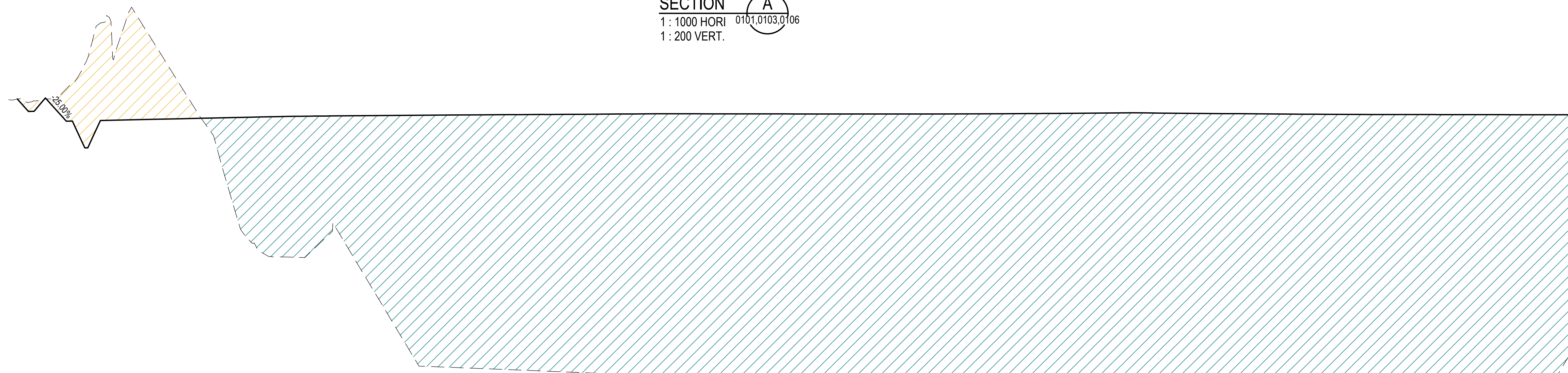


NOTES:

THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25

1. BOREHOLE DATA PROVED IN THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFELD, DOUGLAS PARTNERS, JUNE 2025. THIS PROVIDED AN AVERAGE DEPTH OF 300mm OF TOPSOIL IN EXISTING LANDSCAPED AREAS. THIS ALSO PROVIDED THE LEVEL OF UNCONTROLLED FILL TO BE REMOVED AND RECOMPACTED ON SITE.
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3. EXCAVATION OF PIT '1' S EXISTING 1 IN 1 WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1

DATUM RL 37.0		
CHAINAGE	CUT / FILL DEPTH	REHABILITATION SURFACE
1615.000	15.731	44.264 59.995
1630.000	10.652	49.338 59.990
1645.000	5.644	54.341 59.986
1660.000	0.651	59.330 59.992
1675.000	-3.896	63.873 59.978
1690.000	-3.966	63.960 59.974
1705.000	-4.081	64.052 59.971
1710.016	-4.106	64.075 59.970
1720.000	-4.178	64.145 59.968
1735.000	-4.226	64.191 59.965
1750.000	-4.184	64.127 59.943
1765.000	-4.137	64.020 59.883
1780.000	-4.231	64.054 59.823
1795.000	-4.293	64.056 59.763
1810.000	-3.900	63.503 59.703
1825.000	-3.361	63.005 59.643
1837.803	-3.287	62.919 59.632
1840.000	-3.868	62.607 59.739
1855.000	-2.708	62.210 59.502
1870.000	-3.168	61.811 59.643
1885.000	-2.276	61.444 59.568
1900.000	-3.030	61.079 59.049
1915.000	-3.022	60.680 57.658
1930.000	-2.544	60.259 57.715
1934.127	-2.408	60.138 57.731
1945.000	-2.953	59.827 57.774
1960.000	-1.995	59.429 57.834
1975.000	-3.177	61.072 57.895
1990.000	-1.867	59.825 57.958
1005.000	-1.658	59.820 57.962
1020.000	-1.902	59.808 57.906
1035.000	-1.959	59.809 57.850
1050.000	-2.953	59.848 57.794
1065.000	-2.125	59.864 57.738
1080.000	-2.418	60.101 57.683
1092.616	-2.941	60.577 57.636
1095.000	-3.036	60.664 57.628
1110.000	-3.483	61.083 57.600
1125.000	-3.933	61.433 57.600
1140.000	-1.904	61.777 60.473
1155.000	-0.973	62.101 61.528
1170.000		
1185.000		



SECTION A

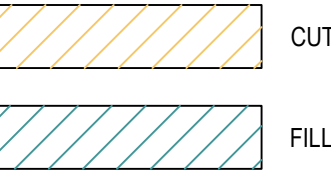
1 : 1000 HORI 0101,0103,0106
1 : 200 VERT.

DATUM RL 35.0									
REHABILITATION SURFACE									
LOWEST POINT SURVEY SUFRACE									
CUT / FILL DEPTH									
CHAINAGE									
	15.000	-0.093							
	30.000	-6.654							
	35.000	-7.375							
	40.000	-4.778							
	45.000	0.062							
	50.000								
	55.000	8.633							
	60.000	-10.028							
	65.000	-10.006							
	70.000								
	75.000	-10.052							
	80.000	11.339							
	85.000	-16.359							
	90.000	19.352							
	95.000	19.891							
	100.000	19.827							
	105.000	19.901							
	110.000	19.964							
	115.000	20.101							
	120.000								
	125.000	20.240							
	130.000	20.377							
	135.000	20.493							
	140.000	20.569							
	145.000	20.559							
	150.000	20.559							
	155.000	20.569							
	160.000	20.569							
	165.000	20.569							
	170.000	20.569							
	175.000	20.569							
	180.000	20.569							
	185.000	20.569							
	190.000	20.569							
	195.000	20.569							
	200.000	20.569							
	205.000	20.569							
	210.000	20.569							
	215.000	20.569							
	220.000	20.569							
	225.000	20.569							
	230.000	20.569							
	235.000	20.569							
	240.000	20.569							
	245.000	20.569							
	250.000	20.569							
	255.000	20.569							
	260.000	20.569							
	265.000	20.569							
	270.000	20.569							
	275.000	20.569							
	280.000	20.569							
	285.000	20.569							
	290.000	20.569							
	295.000	20.569							
	300.000	20.569							
	305.000	20.569							
	310.000	20.569							
	315.000	20.569							
	320.000	20.569							
	325.000	20.569							
	330.000	20.569							
	335.000	20.569							
	340.000	20.569							

SECTION A
 1 : 1000 HORI 0101,0103,0106
 1 : 200 VERT.

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LEGEND



NOTES:

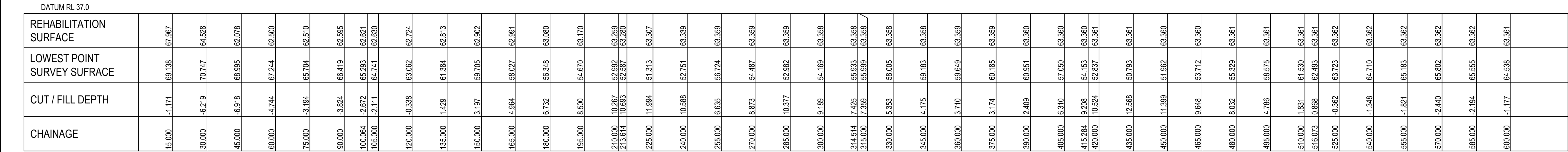
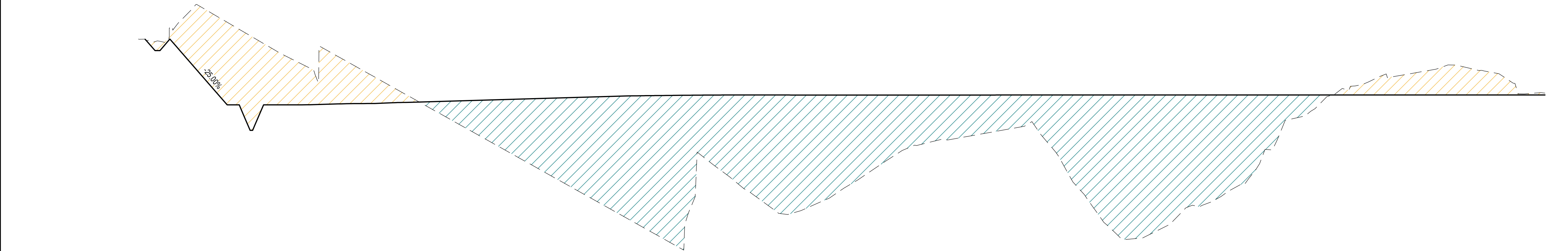
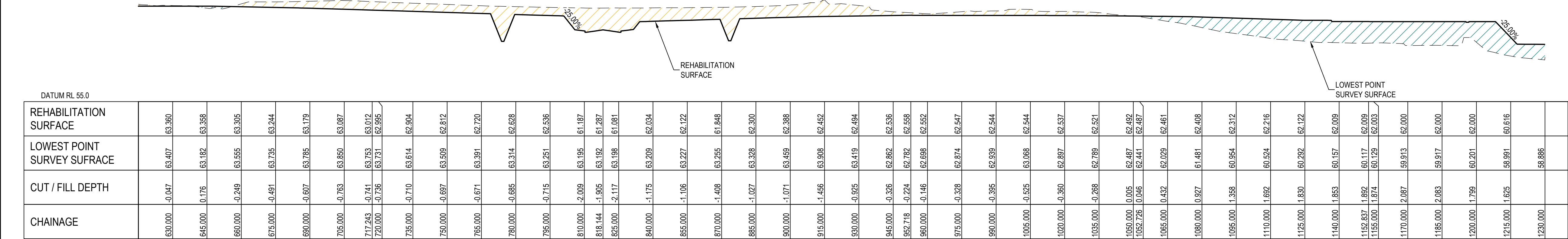
- THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25
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 - EXCAVATION OF PIT 1'S EXISTING 1 IN 1 WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1

SECTION B

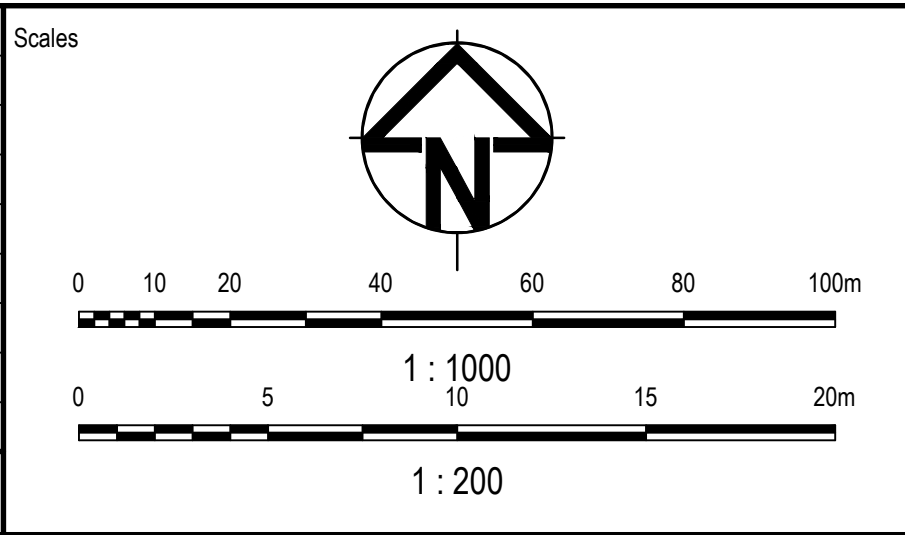
1 : 1000 HORI 0102 0104,0106,0107
1 : 200 VERT.

SECTION B

1 : 1000 HORI 0102 0104,0106,0107
1 : 200 VERT.



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Status	CONSTRUCTION
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Original Issue Signatures	
Drawn	J. VARGAS
Designed	C. FANNER
Project Manager	J. HEYDON
Verified	J. HEYDON

Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFELD
Title	EARTHWORKS SITE SECTIONS SHEET 2

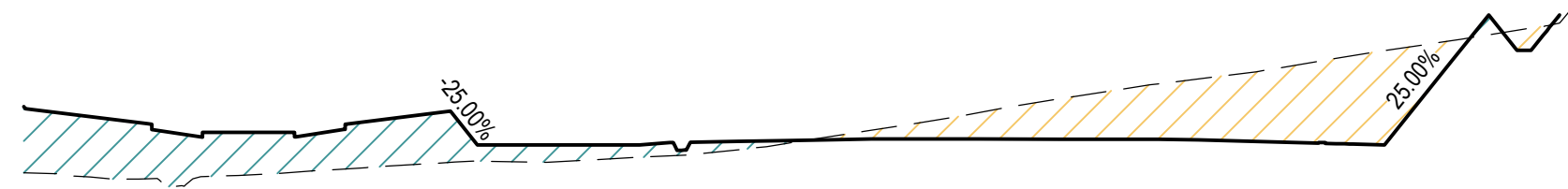
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number	30271198
Issue	A

Drawing No: MAR-AAP-BE-01-DRG-CI-0122

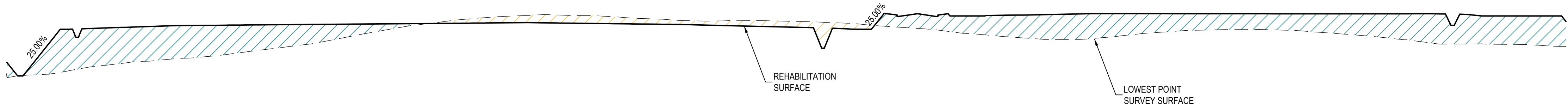
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[illegible]

0105,0108

1 : 1000 HORIZ.
1 : 200 VERT.

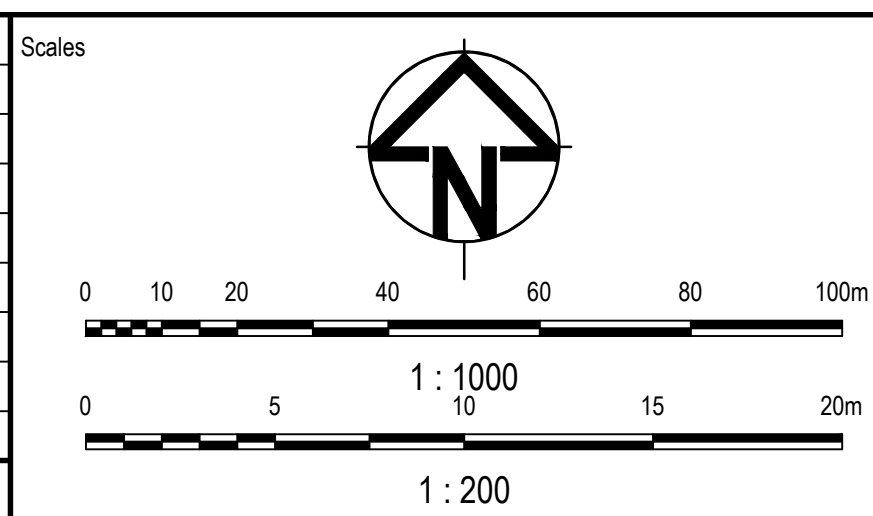


DATUM RL 45.0			
CHAINAGE	CUT / FILL DEPTH	LOWEST POINT SURVEY SURFACE	REHABILITATION SURFACE
15.000			
30.000	-0.029	49.776	49.697
45.000	3.425	49.976	53.201
60.000	2.821	50.488	53.289
75.000	2.600	50.791	53.381
90.000	2.462	51.020	53.483
102.466	2.305	51.199	53.504
105.000	2.254	51.295	53.509
120.000	1.682	51.652	53.534
135.000	1.539	52.020	53.559
150.000	1.652	52.532	53.584
165.000	0.618	53.091	53.609
180.000	0.067	53.567	53.634
195.000	-0.273	53.931	53.659
204.013	-0.404	54.078	53.673
210.000	-0.480	54.163	53.683
225.000	-0.606	54.284	53.689
240.000	-0.591	54.244	53.653
255.000	-0.496	54.112	53.616
270.000	-0.385	53.966	53.581
285.000	-0.302	53.828	53.526
300.000	-0.418	53.673	53.455
311.698	-0.437	53.836	53.400
315.000	-0.435	53.819	53.384
330.000	-1.724	53.737	52.013
345.000	-0.382	53.590	53.208
360.000	0.028	53.355	54.183
375.000	1.172	53.123	54.296
390.000	1.395	52.615	54.200
405.000	1.689	52.570	54.268
420.000	1.685	52.440	54.325
432.822	1.659	52.520	54.379
435.000	1.624	52.557	54.381
450.000	1.521	52.658	54.379
465.000	1.284	53.081	54.375
480.000	1.205	53.188	54.373
495.000	1.180	53.189	54.369
510.000	1.272	53.092	54.364
525.000	1.497	52.895	54.363
533.184	1.629	52.735	54.364
540.000	1.755	52.610	54.365
555.000	2.087	52.283	54.370
570.000	2.200	52.097	54.297
585.000	2.124	52.076	54.200
600.000	2.205	51.995	54.200

C
0105,0108

1 : 1000 HORIZ.
1 : 200 VERT.

A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Surveyor



Client



Status:

CONSTRUCTION			
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MG/20-56
Verified	J. HEYDON		

Project

REHABILITATION WORKS
265 MARTIN ROAD,
BRADFELD

Title

EARTHWORKS
SITE SECTIONS
SHEET 3



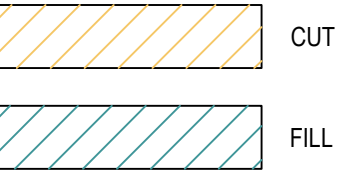
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Drawing No.

MAR-AAP-BE-01-DRG-CI-0123

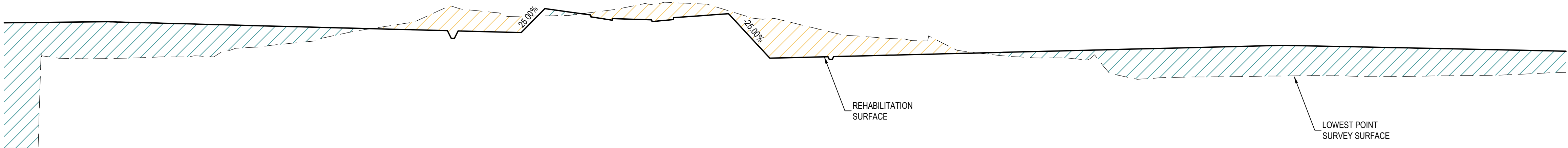
Issue

LEGEND



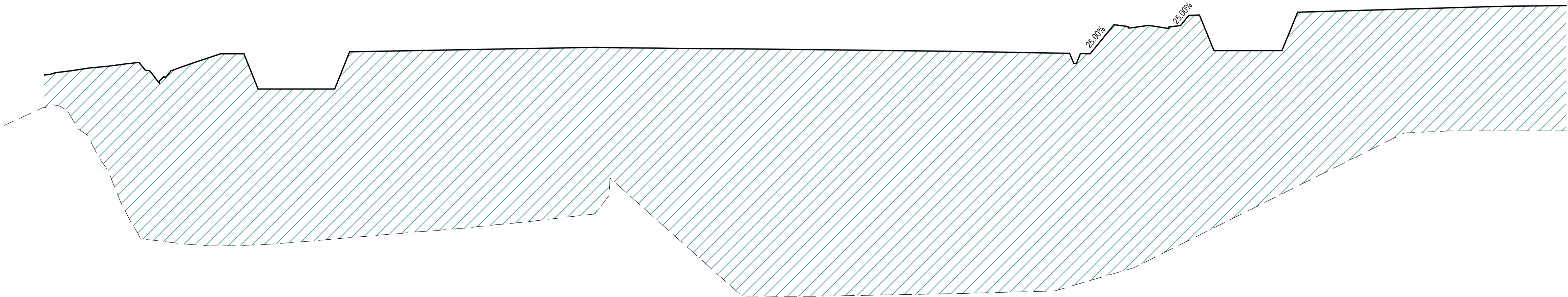
NOTES:

- THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25
- BOREHOLE DATA PROVIDED IN THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFELD, DOUGLAS PARTNERS, JUNE 2025. THIS PROVIDED AN AVERAGE DEPTH OF 300mm OF TOPSOIL IN EXISTING LANDSCAPED AREAS. THIS ALSO PROVIDED THE LEVEL OF UNCONTROLLED FILL TO BE REMOVED AND RECOMPACTED ON SITE.
 - EXISTING STOCKPILE LOCATION SURVEY TAKEN FROM MATTHEW FREEBURN DRAWING 31126 250512 STOCKPILES DATED 12/05/2025 REF: 31126 REV 2
 - EXCAVATION OF PIT 1'S EXISTING 1 IN 1 WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1



DATUM RL 45.0			
REHABILITATION SURFACE			
	615.000	9.791	53.485
	630.000	2.774	60.534
	645.000	2.883	60.457
	660.000	2.783	60.511
	675.000	2.618	60.598
	690.000	2.518	60.619
	705.000	1.734	61.323
	713.972	1.515	61.495
	720.000	1.357	61.621
	735.000	0.799	62.100
	750.000	0.118	62.704
	765.000	-0.420	63.164
	780.000	-1.558	64.225
	795.000	-1.615	64.204
	810.000	-1.262	63.772
	816.745	-0.317	63.789
	825.000	0.448	63.915
	840.000	-0.383	64.084
	855.000	-1.011	64.556
	870.000	-1.398	64.949
	885.000	-0.828	64.685
	900.000	-1.322	63.766
	915.000	-2.876	63.406
	920.112	-2.602	63.198
	930.000	-2.073	62.878
	945.000	-1.523	62.203
	960.000	-1.253	62.008
	975.000	-1.006	61.836
	990.000	-0.004	60.909
	1005.000	0.372	60.608
	1020.000	0.539	60.516
	1021.584	0.545	60.518
	1035.000	0.514	60.616
	1050.000	2.249	58.956
	1065.000	2.284	58.996
	1080.000	2.320	59.033
	1095.000	2.355	59.072
	1110.000	2.391	59.108
	1122.869	2.313	59.138
	1125.000	2.308	59.133
	1140.000	2.307	59.072
	1155.000	2.245	59.071
	1170.000	2.140	59.114
	1185.000	2.040	59.151
	1200.000	1.901	59.227
	1215.000	1.703	59.361

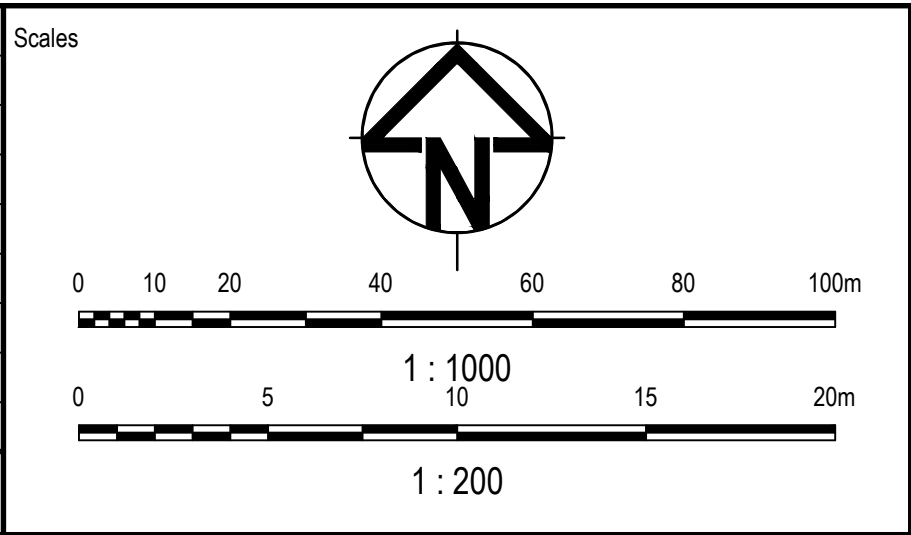
SECTION D
1 : 1000 HORIZONTAL
1 : 200 VERTICAL



DATUM RL 37.0			
REHABILITATION SURFACE			
	15.000	55.286	
	30.000	4.801	53.493
	45.000	10.474	48.171
	60.000	12.440	44.911
	75.000	14.286	44.580
	90.000	14.984	44.516
	105.000	12.083	44.667
	110.388	12.004	44.746
	120.000	11.857	44.893
	135.000	14.503	45.155
	150.000	14.300	45.412
	165.000	14.111	45.656
	180.000	13.911	45.910
	195.000	13.664	46.211
	210.000	13.404	46.526
	211.659	13.371	46.585
	225.000	13.107	46.877
	240.000	10.773	49.201
	255.000	13.418	46.521
	270.000	16.070	43.842
	285.000	18.726	41.163
	300.000	19.271	40.585
	315.000	19.244	40.579
	330.000	19.157	40.633
	341.931	19.085	40.679
	345.000	19.064	40.691
	360.000	18.970	40.748
	375.000	18.869	40.807
	390.000	18.738	40.888
	405.000	18.604	40.971
	420.000	17.780	41.585
	435.000	19.284	42.444
	446.198	18.394	43.303
	450.000	17.940	43.662
	465.000	17.337	45.176
	480.000	13.079	46.671
	495.000	11.595	48.165
	510.000	13.114	49.660
	525.000	11.706	51.154
	540.000	10.298	52.649
	548.611	9.862	53.395
	555.000	9.638	53.395
	570.000	9.638	53.484
	585.000	9.720	53.484
	600.000	9.758	53.485

SECTION D
1 : 1000 HORIZONTAL
1 : 200 VERTICAL

A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



CONSTRUCTION			
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project		REHABILITATION WORKS 265 MARTIN ROAD, BRADFELD
Title		EARTHWORKS SITE SECTIONS SHEET 4

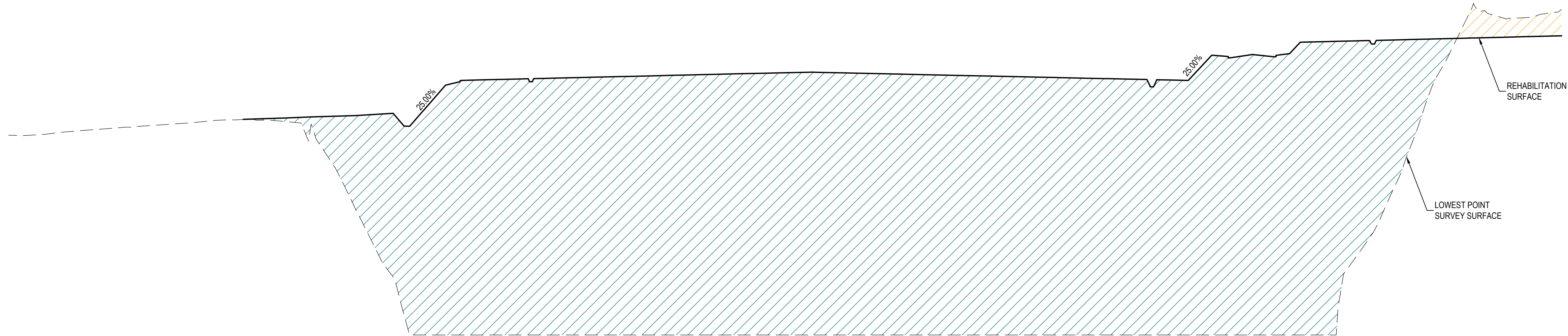
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number	30271198
Issue	A

MAR-AAP-BE-01-DRG-CI-0124

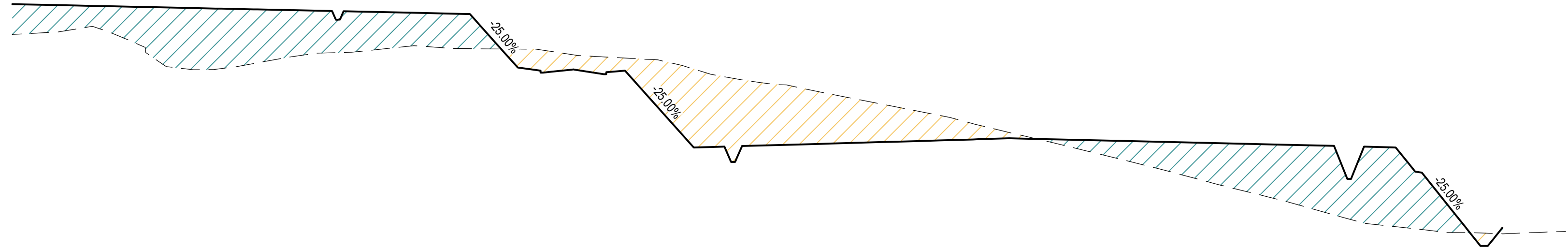
THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25

1. BOREHOLE DATA PROVIDED IN THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFIELD, DOUGLAS PARTNERS, JUNE 2025. THIS PROVIDED AN AVERAGE DEPTH OF 300mm OF TOPSOIL IN EXISTING LANDSCAPED AREAS. THIS ALSO PROVIDED THE LEVEL OF UNCONTROLLED FILL TO BE REMOVED AND RECOMPACTED ON SITE.
2. EXISTING STOCKPILE LOCATION SURVEY TAKEN FROM MATTHEW FREEDBURN DRAWING 31126 250512 STOCKPILES DATED 12/05/2025 REF: 31126 REV 2
3. EXCAVATION OF PIT 1'S EXISTING IN 1 IN WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1



REHABILITATION SURFACE		LOWEST POINT SURVEY SUFRACE	CUT / FILL DEPTH	CHAINAGE
		55.286		15.000
		55.577		30.000
		55.806		45.000
		56.009		60.000
		56.235		75.000
		56.410		90.000
		56.336	0.088	105.000
		56.256	0.255	109.286
		56.359	1.244	120.000
		56.639		135.000
		56.732	6.806	145.000
		56.898	12.565	150.000
		57.605	18.105	165.000
		59.512	20.012	180.000
		59.584	20.084	195.000
		59.657	20.157	210.000
		59.688	20.168	212.316
		59.727	20.227	225.000
		59.798	20.298	240.000
		59.871	20.371	255.000
		59.944	20.444	270.000
		60.015	20.515	285.000
		60.081	20.581	300.000
		60.144	20.644	315.000
		60.146	315.535	315.535
		60.082	20.582	330.000
		60.016	20.516	345.000
		59.950	20.450	360.000
		59.884	20.384	375.000
		59.819	20.319	390.000
		59.753	20.253	405.000
		59.688	20.188	420.000
		59.686	20.186	420.552
		59.623	20.123	435.000
		59.134	19.634	450.000
		59.880	20.360	465.000
		61.278	21.778	480.000
		61.400	21.900	495.000
		62.513	22.013	510.000
		62.567	22.067	520.988
		62.586	18.114	525.000
		62.660	13.446	540.000
		62.734	6.016	555.000
		62.808	-0.462	570.000
		62.882	-1.643	585.000
		62.955	-1.616	600.000

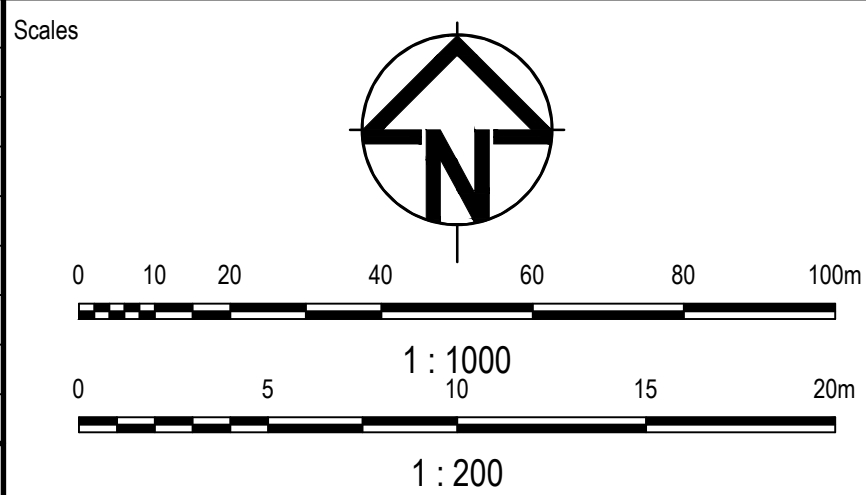
1: 1000 HORI 0103,0104,0105
1: 200 VERT.



DATUM RL 46.0		REHABILITATION SURFACE	LOWEST POINT SURVEY SURFACE	CUT / FILL DEPTH	CHAINAGE
		61.000			1230.000
			59.493	1.507	1230.000
					1245.000
			59.620	1.316	1245.000
					1260.000
			57.921	2.849	1260.000
					1275.000
			57.480	3.344	1275.000
					1290.000
			57.936	2.895	1290.000
					1305.000
			58.372	2.306	1305.000
					1320.000
			58.560	2.054	1320.000
			58.614	1.988	1320.000
			58.697	1.950	1335.000
					1350.000
			58.598	0.842	1350.000
			58.534	-1.238	1365.000
			58.179	-0.907	1380.000
			58.012	-2.232	1395.000
					1410.000
			57.281	-4.061	1410.000
			53.220		1425.000
			53.308	-3.440	1425.000
			53.334	-3.304	1425.000
			53.392	-2.889	1440.000
			53.663	-2.216	1455.000
			53.477		1470.000
			53.894	-1.540	1470.000
			53.952	-0.747	1485.000
			53.688	-0.021	1500.000
			53.599	0.632	1515.000
			53.331	1.303	1530.000
			53.610	1.111	1530.000
			53.461	2.016	1545.000
			53.390	2.712	1560.000
			53.319	3.420	1575.000
			53.295	4.172	1590.000
			51.848	3.116	1605.000
			48.529	-0.244	1620.000
			48.531		1635.000

1 : 1000 HORI 0106,0107,0108
1 : 200 VERT.

A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Surveyor



Client



Status	CONSTRUCTION		
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project REHABILITATION WORKS
265 MARTIN ROAD,
BRADFELD

Title	EARTHWORKS SITE SECTIONS SHEET 5
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Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
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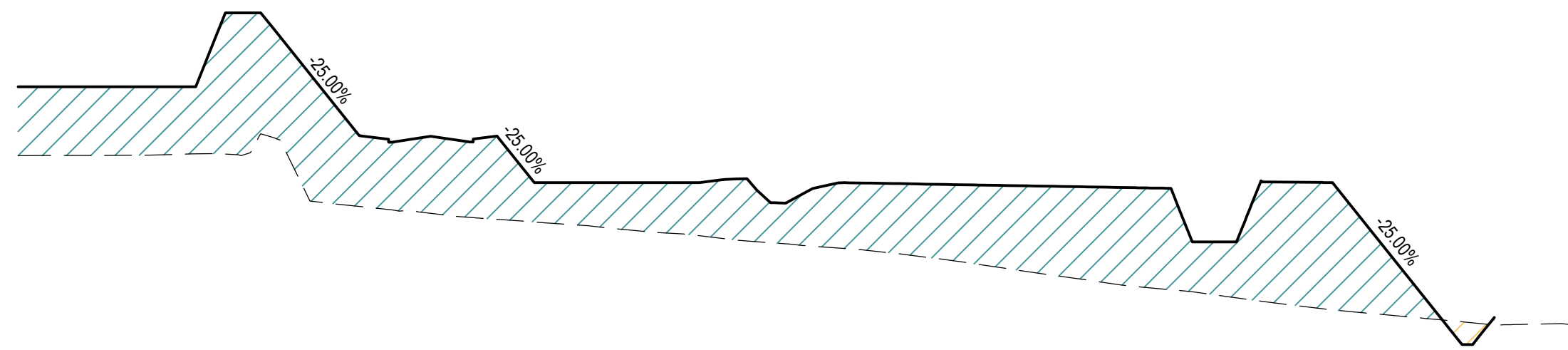
Project Number	30271198
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Drawing No.
MAR-AAP-BE-01-DRG-CI-0125

38

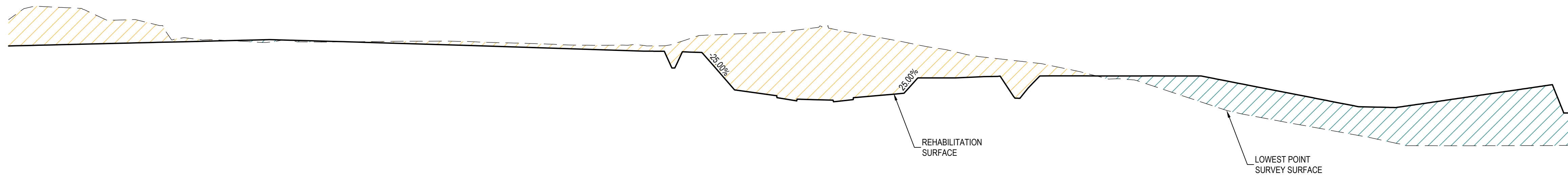
THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25

1. BOREHOLE DATA PROVIDED IN THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFIELD, DOUGLAS PARTNERS, JUNE 2025. THIS PROVIDED AN AVERAGE DEPTH OF 300mm OF TOPSOIL IN EXISTING LANDSCAPED AREAS. THIS ALSO PROVIDED THE LEVEL OF UNCONTROLLED FILL TO BE REMOVED AND RECOMPACTED ON SITE.
2. EXISTING STOCKPILE LOCATION SURVEY TAKEN FROM MATTHEW FREEBURN DRAWING 31126 250512 STOCKPILES DATED 12/05/2025 REF: 31126 REV 2
3. EXCAVATION OF PIT 1'S EXISTING 1 IN 1 WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELLED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1



DATUM RL 47.0		
REHABILITATION SURFACE		57.750
LOWEST POINT SURVEY SURFACE		55.205
		57.750
		60.500
		58.022
		55.166
		55.897
		54.200
		54.200
		54.172
		51.261
		54.120
		54.088
		54.026
		54.016
		52.093
		54.217
		52.712
		48.962
		48.938

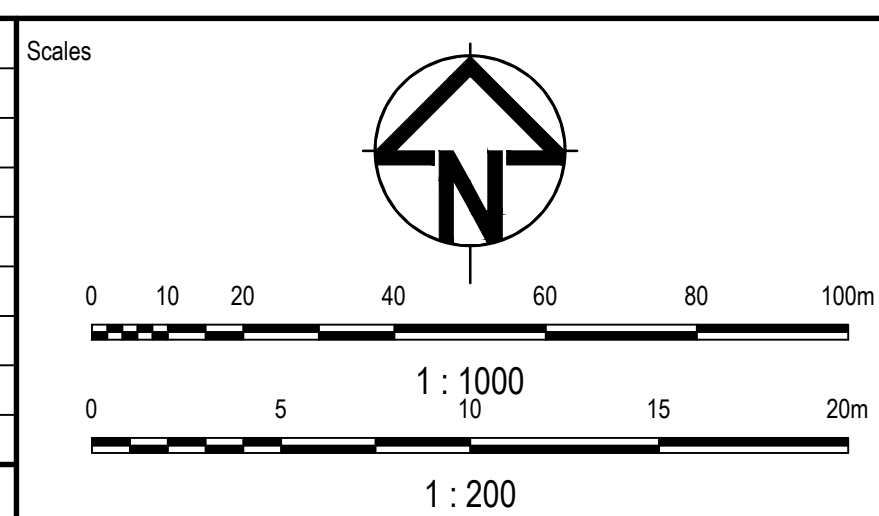
1 : 1000 HORI 0103,0104,0105
1 : 200 VERT.



REHABILITATION SURFACE		LOWEST POINT SURVEY SURFACE		CUT / FILL DEPTH		CHAINAGE	
	63.028		63.028		-2.792	65.790	63.028
			63.101		-2.932	66.033	63.101
			63.174		-2.173	65.347	63.174
			63.247		-1.910	66.057	63.247
			63.320		-0.719	65.538	63.320
			63.392		-0.099	63.492	63.392
			63.466		0.137	63.329	63.466
			63.494		0.713	63.281	63.494
			63.457		0.008	65.448	63.457
			63.375		0.064	63.311	63.375
			63.295		-0.062	63.348	63.295
			63.196		-0.178	63.374	63.196
			63.819		-0.300	63.119	63.819
			62.721		-0.332	63.053	62.721
			62.623		-0.486	63.109	62.623
			63.601		-0.448	63.048	63.601
			61.279		-1.872	63.152	61.279
			60.500		-5.740	64.509	60.500
			60.585		-1.516	62.161	60.585
			58.901		-2.920	61.821	58.901
			60.657		-0.710	61.367	60.657
			60.654		-0.024	60.676	60.654
			60.509		2.132	58.377	60.509
			59.972		0.349	57.573	59.972
			59.336		2.330	57.006	59.336
			58.749		2.289	56.460	58.749
			58.232		2.322	55.909	58.232
			58.241		2.852	55.289	58.241
			58.461		3.382	55.180	58.461
			58.692		3.510	55.172	58.692
			59.172		3.945	55.177	59.172
			59.592		4.377	55.186	59.592
			59.403		4.209	55.194	59.403

1 : 1000 HORI 0103,0104,0105
1 : 200 VERT.

A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Surveyor



Client	
--------	--



	Status
--	--------

CONSTRUCTION			
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project

REHABILITATION WORKS
265 MARTIN ROAD,
BRADFELD

Title

EARTHWORKS
SITE SECTIONS
SHEET 6



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Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

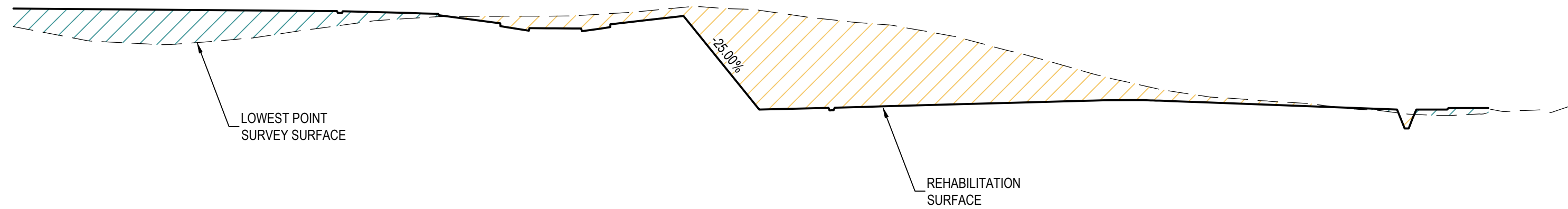
Tel No: +61 2 8907 9000
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MAR-AAP-BE-01-DRG-CI-0126

Project number	30271198
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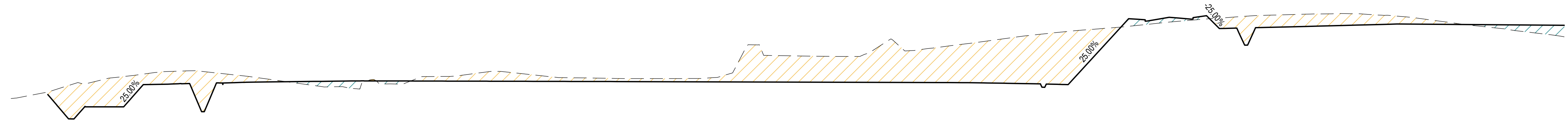
THE LOWEST POINT SURVEY SURFACE IS A COMBINATION OF THE FOLLOWING INFORMATION, REMOVED FROM THE LTS SURVEYED SURFACE PROVIDED IN FILE - 52486 001 DT (REV A) DATED 13/06/25

1. BOREHOLE DATA PROVIDED IN THE GEOTECHNICAL REPORT - 265 MARTIN ROAD, BRADFIELD, DOUGLAS PARTNERS, JUNE 2025. THIS PROVIDED AN AVERAGE DEPTH OF 300mm OF TOPSOIL IN EXISTING LANDSCAPED AREAS. THIS ALSO PROVIDED THE LEVEL OF UNCONTROLLED FILL TO BE REMOVED AND RECOMPACTED ON SITE.
2. EXISTING STOCKPILE LOCATION SURVEY TAKEN FROM MATTHEW FREEDBURN DRAWING 31126 250512 STOCKPILES DATED 12/05/2025 REF: 31126 REV 2
3. EXCAVATION OF PIT 1'S EXISTING IN 1 IN WALLS BELOW PROPOSED BUILDING FOOTPRINT. THIS HAS BEEN MODELED AT 1 IN 3 FROM ASSUMED LEVEL OF 39.5 (BASE OF PIT 1) BACK TO EXISTING LEVEL AT TOP OF PIT 1



DATUM RL 50.0			
CHAINAGE	CUT / FILL DEPTH	LOWEST POINT SURVEY SURFACE	REHABILITATION SURFACE
615.000	1.099	61.164	62.252
630.000	1.601	60.628	62.229
645.000	1.737	60.459	62.206
660.000	1.561	60.621	62.182
675.000	1.217	60.942	62.159
690.000	0.771	61.365	62.136
705.000	0.350	61.711	62.061
712.539	0.215	61.806	62.021
720.000	-0.023	61.864	61.841
735.000	-0.597	61.881	61.284
750.000	-0.631	61.896	61.265
765.000	-0.479	62.076	61.597
780.000	-0.989	62.338	61.369
795.000	-4.562	62.225	57.663
810.000	-4.538	61.804	57.266
814.205	-4.428	61.715	57.287
825.000	-4.162	61.507	57.345
840.000	-3.643	61.070	57.427
855.000	-2.869	60.377	57.509
870.000	-1.994	59.584	57.590
885.000	-1.091	58.757	57.687
900.000	-0.496	58.119	57.623
915.000	-0.252	57.762	57.511
929.719	-0.154	57.555	57.401
930.000	-0.153	57.552	57.399
945.000	0.042	57.245	57.287
960.000	-0.496	56.967	56.471
975.000	0.320	56.955	57.274
990.000		57.160	

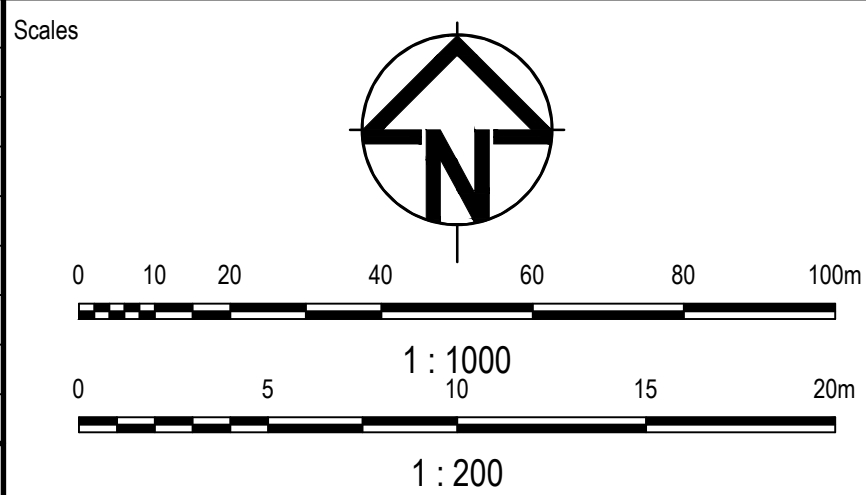
SECTION F
 1 : 1000 HORI
 1 : 200 VERT.



DATUM RL 50.0		REHABILITATION SURFACE	LOWEST POINT SURVEY SURFACE	CUT / FILL DEPTH	CHAINAGE
15.00	-0.368	57.056	56.688		
30.00	-1.839	57.696	55.857		
45.00	-2.220	58.251	55.032		
60.00	-0.988	58.615	57.627		
75.00	-3.165	58.641	55.476		
90.00	-0.541	58.313	57.772		
100.975	-0.220	58.028	57.808		
105.000	-0.089	57.917	57.818		
120.000	0.350	57.503	57.853		
135.000	0.801	57.288	57.888		
150.000	0.235	57.652	57.887		
165.000	-0.355	58.235	57.880		
180.000	-0.543	58.416	57.873		
195.000	-0.719	58.592	57.863		
201.887	-0.574	58.454	57.860		
210.000	-0.403	58.259	57.855		
225.000	-0.278	58.125	57.848		
240.000	-0.240	58.079	57.840		
255.000	-0.246	58.076	57.831		
270.000	-0.259	58.081	57.822		
285.000	-1.317	59.129	57.813		
300.000	-2.079	59.863	57.804		
315.000	-2.039	59.833	57.795		
330.000	-2.024	59.810	57.786		
345.000	-3.341	61.118	57.777		
360.000	-2.665	60.433	57.768		
365.374	-2.790	60.555	57.765		
375.000	-3.052	60.805	57.753		
380.000	-3.497	61.204	57.708		
405.000	-4.174	61.569	57.395		
420.000	-3.216	61.866	58.651		
435.000	-0.184	62.103	61.919		
450.000	0.311	62.409	62.720		
465.000	0.200	62.679	62.879		
467.186	0.273	62.714	62.943		
480.000	-0.870	62.896	62.026		
495.000	-0.955	63.053	62.099		
510.000	-0.962	63.136	62.173		
525.000	-0.915	63.167	62.252		
540.000	-0.707	63.042	62.335		
555.000	-0.396	62.742	62.346		
570.000	-0.013	62.336	62.323		
585.000	0.291	62.098	62.299		
600.000	0.653	61.623	62.276		
610.000	0.807	61.353	62.280		

SECTION  F
1 : 1000 HORI
1 : 200 VERT.

A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Surveyor



Client



Status	CONSTRUCTION		
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project REHABILITATION WORKS
265 MARTIN ROAD,
BRADFELD

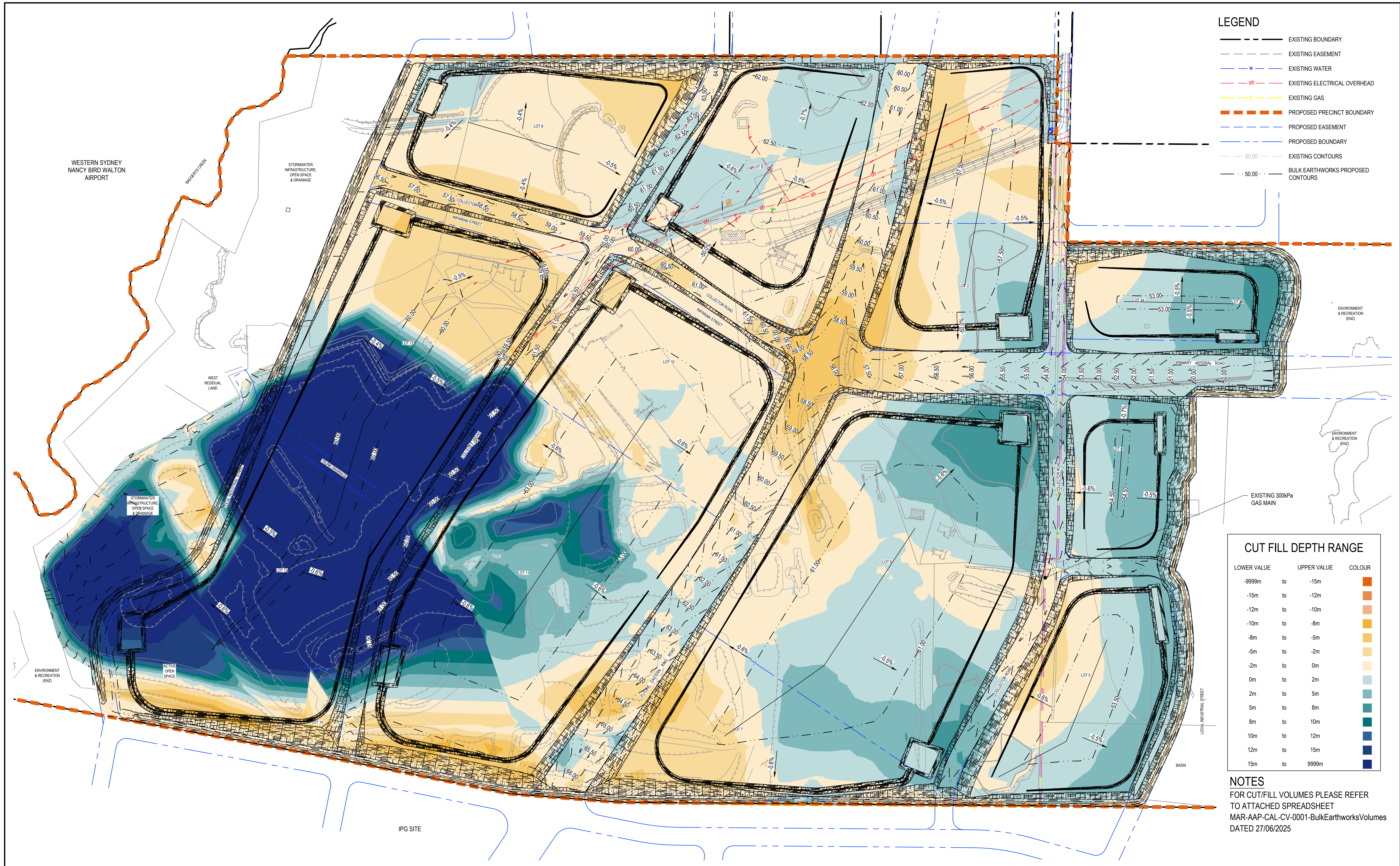
Title

EARTHWORKS
SITE SECTIONS
SHEET 7

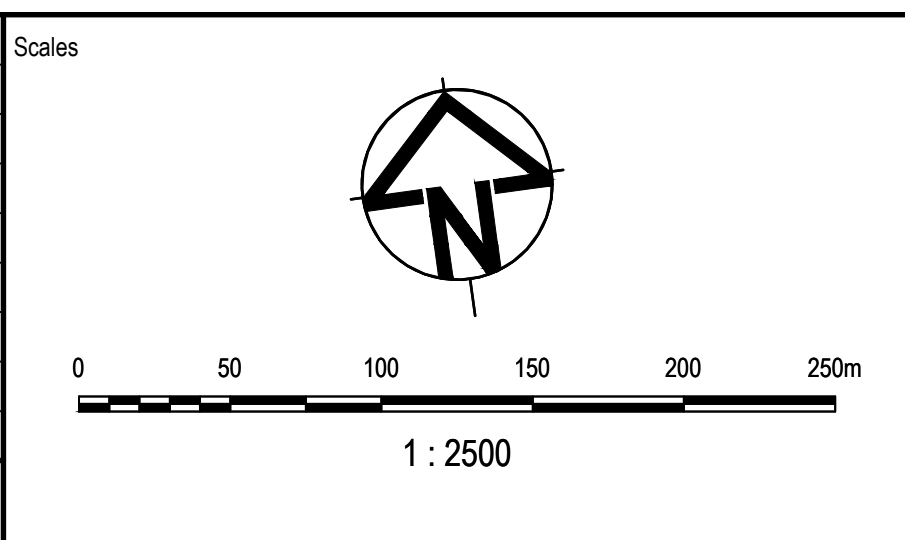


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Drawing No.	Issue
MAR-AAP-BE-01-DRG-CI-0127	A



A	FOR CONSTRUCTION	CF	JH	JH	27.06.25
01	FOR INFORMATION	JV	CF	JH	06.06.25
Issue	Description	DR	CH	VE	Date



Client



Status	CONSTRUCTION		
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFELD	
Title	CUT AND FILL PLAN	

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Project Number	30271198
Issue	A

Drawing No.

MAR-AAP-BE-01-DRG-CI-0130



- LEGEND
- EXISTING BOUNDARY
 - EXISTING EASEMENT
 - PROPOSED EASEMENT
 - PROPOSED BOUNDARY
 - PROPOSED CUT RETAINING WALL
 - PROPOSED FILL RETAINING WALL

Issue <table border="1"><thead><tr><th>Issue</th><th>Description</th><th>DR</th><th>CH</th><th>VE</th><th>Date</th></tr></thead><tbody><tr><td>A</td><td>FOR CONSTRUCTION</td><td>CF</td><td>JH</td><td>JH</td><td>27.06.25</td></tr><tr><td>01</td><td>FOR INFORMATION</td><td>JV</td><td>CF</td><td>JH</td><td>06.06.25</td></tr></tbody></table>				Issue	Description	DR	CH	VE	Date	A	FOR CONSTRUCTION	CF	JH	JH	27.06.25	01	FOR INFORMATION	JV	CF	JH	06.06.25	Scales 0 50 100 150 200 250m 1 : 2500		Surveyor		Client		Status CONSTRUCTION © Copyright reserved <table border="1"><thead><tr><th colspan="2">Original Issue Signatures</th></tr></thead><tbody><tr><td>Drawn</td><td>J. VARGAS</td></tr><tr><td>Designed</td><td>C. FANNER</td></tr><tr><td>Project Manager</td><td>J. HEYDON</td></tr><tr><td>Verified</td><td>J. HEYDON</td></tr></tbody></table> <table border="1"><thead><tr><th>Original Size</th><th>Height Datum</th><th>Grid</th></tr></thead><tbody><tr><td>A1</td><td>AHD</td><td>MGA/20-56</td></tr></tbody></table>				Original Issue Signatures		Drawn	J. VARGAS	Designed	C. FANNER	Project Manager	J. HEYDON	Verified	J. HEYDON	Original Size	Height Datum	Grid	A1	AHD	MGA/20-56	Project REHABILITATION WORKS 265 MARTIN ROAD, BRADFIELD Title RETAINING WALL PLAN		Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 www.arcadis.com/au <table border="1"><tr><td>Project Number</td><td>30271198</td></tr><tr><td>Issue</td><td>A</td></tr></table> MAR-AAP-BE-01-DRG-CI-0141				Project Number	30271198	Issue	A
Issue	Description	DR	CH	VE	Date																																																				
A	FOR CONSTRUCTION	CF	JH	JH	27.06.25																																																				
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Project Number	30271198																																																								
Issue	A																																																								

Date Plotted: 27 Jun 2025 - 02:19PM File Name: C:\Users\cf109030\Documents\Arcadis ACC AU\AAU-30271198-265 Martin Road\Project Files\10_WIP\10_Civil\STG_01\DRG\MAR-AAP-BE-01-DRG-CI-0141-RetainingWallPlan.dwg

[illegible]

SCALE 1:1000 HORI.
1:200 VERT.

[illegible]

SCALE 1:1000 HORI.
1:200 VERT.

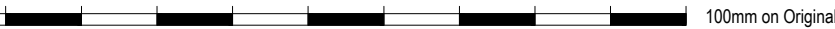
Surveyor

Status			
CONSTRUCTION			
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Original Issue Signatures			
Drawn	J. VARGAS	Original Size	A1
Designed	C. FANNER	Height Datum	AHD
Project Manager	J. HEYDON	Grid	MGA/20-56
Verified	J. HEYDON		

Project	REHABILITATION WORKS 265 MARTIN ROAD, BRADFIELD
Title	RETAINING WALL ELEVATIONS AND DETAILS SHEET 1



Drawing No.	Issue
MAR-AAP-BE-01-DRG-CI-0161	A





DATUM RL 45.0				
RETAINING WALL TOP			58.000	
RETAINING WALL BOTTOM		56.000	58.000	
HEIGHT		0.000	0.064	
CHAINAGE		0.000	7.950	
		15.000	0.689	
		19.668	1.049	
		30.000	1.211	
		33.306	1.263	
		45.000	1.400	
		56.943	1.540	
		64.264		

RW 6 LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.





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Project Number	30271198
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Drawing No.

MAR-AAP-BE-01-DRG-CI-0162

Issue

A



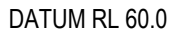
RW 9 LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



RW 7 LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



RW 10 LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



RW 8 LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

Scales



1 : 1000

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Project **REHABILITATION WORKS**
265 MARTIN ROAD,
BRADFIELD

Title



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MAR-AAP-BE-01-DRG-CI-0163

Project
Number

Issue

