

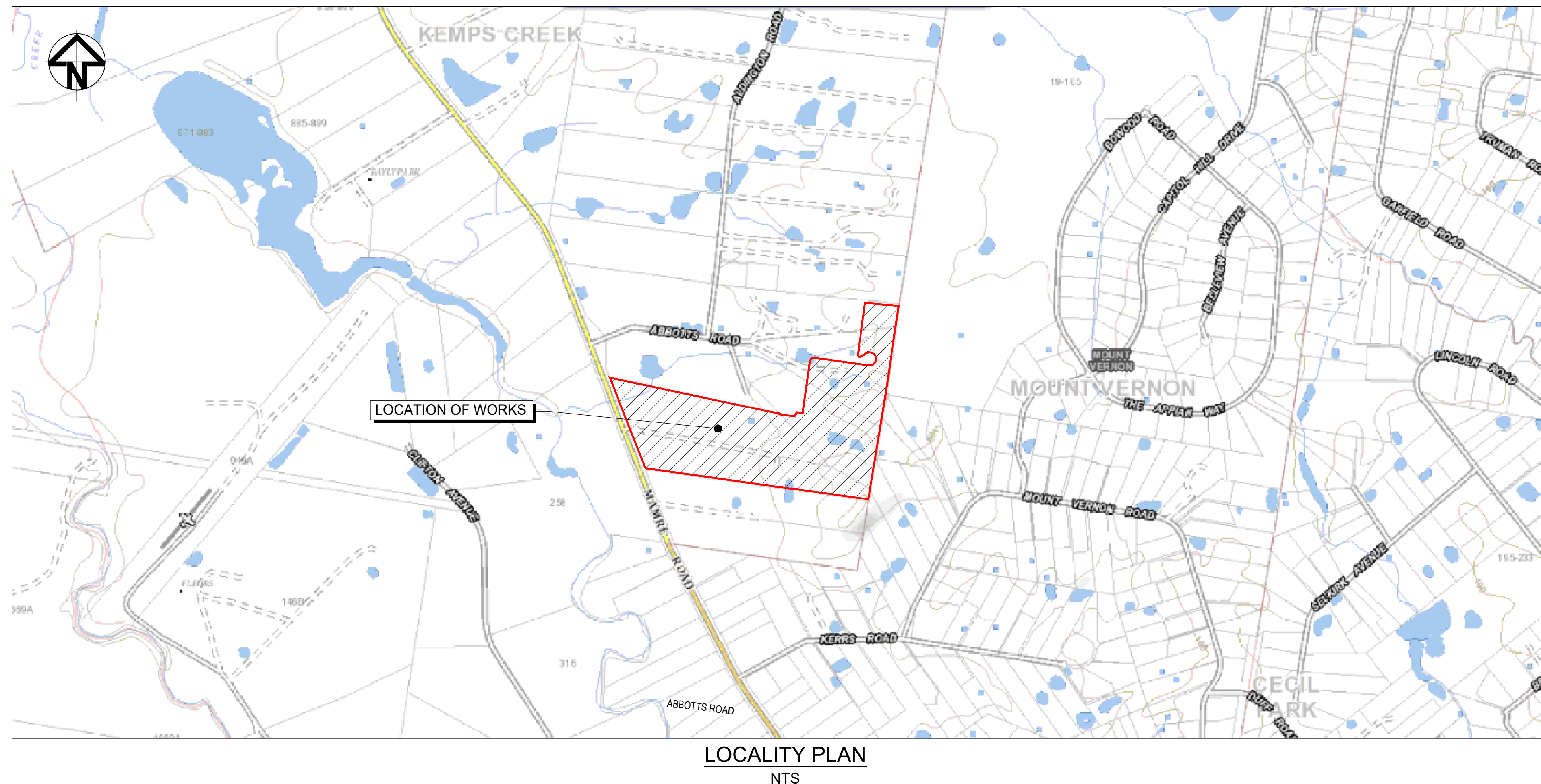
# WESTLINK




# KEMPS CREEK

## CIVIL WORKS PACKAGE - INFRASTRUCTURE WORKS - STAGE 2




## STATE SIGNIFICANT DEVELOPMENT APPLICATION

## RTS-SSD-46983729



			Bar Scales			Client		Scales			Drawn		LM	Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		 <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>			
								N.T.S.		Designed		LM								
								Grid MGA2020		Checked		AT								
								Height Datum AHD		Approved		AT	Title	COVER SHEET		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1		
																				
								THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L												
D	ISSUED FOR DEVELOPMENT APPLICATION		27-09-23																	
C	ISSUED FOR DEVELOPMENT APPLICATION		12-09-23																	
B	ISSUED FOR DEVELOPMENT APPLICATION		23-02-23																	
A	ISSUED FOR DEVELOPMENT APPLICATION		25-10-22																	
Issue			Description	Date																

DRAWING LIST	
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20-748-C5001	DRAWING LIST
20-748-C5002	GENERAL NOTES
20-748-C5005	GENERAL ARRANGEMENT PLAN
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20-748-C5011	TYPICAL ROAD SECTIONS SHEET 2
20-748-C5012	TYPICAL SITE SECTIONS SHEET 1
20-748-C5013	TYPICAL SITE SECTIONS SHEET 2
20-748-C5014	TYPICAL SITE SECTIONS SHEET 3
20-748-C5015	TYPICAL SITE SECTIONS SHEET 4
20-748-C5016	TYPICAL DETAILS SHEET 1
20-748-C5020	BOUNDARY INTERFACE PLAN
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			Bar Scales		Client		<div>Scales</div> <div>N.T.S.</div>	<div>Drawn</div> <div>LM</div>	<div>Project</div> <div>PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK</div>	<div>Civil Engineers and Project Managers</div> <div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div>				
							<div>Grid</div> <div>MGA2020</div>	<div>Checked</div> <div>AT</div>						
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Issue	Description	Date					<div>Project - Drawing No.</div> <div>20-748-C5001</div>		<div>Issue</div> <div>D</div>					

100mm on Original



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 AT & L.
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.
6. ALL UNCOMPACTED 150mm LAYER TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 S 2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75)

NOTES  
DURING THE COURSE OF THE SURVEY DISCREPANCIES BETWEEN MARKS  
PLACED IN DP 253503 WERE DETERMINED. PRIOR TO ANY CONSTRUCTION  
WORK WE RECOMMEND A PLAN OF REDEFINITION BE LODGED AT LRS TO  
"LOCK IN" SITE BOUNDARIES.  
The title boundaries shown hereon were not marked at the time of survey and have been  
determined by plan dimensions only and not by field survey.

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

2. CONCRETE QUALITY  
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 Fc MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY A L
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF  $M_{pa}$  U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 5% MODIFIED RIDE DENSITY (AS 1289 S.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILL BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH ON ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-  
EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER, UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.  
  
EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.  
  
EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

1. STORMWATER DESIGN CRITERIA:
  - (A) AVERAGE REQUIREMENT INTERVAL:
    - 1-100 YEARS: MAJOR STORM (OVERLAND FLOW) AND PIPED NETWORK
    - 1-10 YEARS: MINOR STORM (PIPE NETWORK)
  - (B) RAINFALL INTENSITIES:
    - TIME OF CONCENTRATION: 6 MINUTES
    - 1-100 YEARS: 219 mm/hr
    - 1-20 YEARS: 167 mm/hr
  - (C) RUNOFF COEFFICIENTS:

ROOF AREAS:	C	100	=1.0
EXTERNAL PAVEMENTS:	C	100	=1.0
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS "3" APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE CLASS "4" U.N.O.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL OF PENRITH CITY COUNCIL.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIES 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 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO BE COMPACTED TO CORRESPOND 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 (1998) AND AS/NZS 3500 3.2 (1998).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
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.

1. STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
2. CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.
3. IN THE CASE WHERE THE EMBANKMENT AREAS SLUSH, GROUTING AND DENTAL CONCRETE MAY BE REQUIRED, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
4. COMPACT CLAY STABILIZED WITH GYPSUM (3% BY DRY MASS, MINIMUM) AS APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER INTO THE CUT-OFF TRENCH OF LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT.
5. GYPSUM STABILIZED NATURAL SOILS EXPOSED IN EMBANKMENT AREA WITH MINIMUM 3% GYPSUM BY DRY MASS AND COMPACT AS FOR #4. ALL TO THE APPROVAL OF A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
6. CONSTRUCT BODY OF EMBANKMENT WITH CLAYEY MATERIAL WON FROM SITE. COMPACT THE CLAYEY MATERIAL APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IN LAYERS NOT EXCEEDING 150mm THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT. MOST IMPORTANTLY, IF SHRINKAGE CRACKS OCCUR, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
7. OVERFILL THE EMBANKMENT AND TRIM OFF, SO THAT THE ENTIRE BODY OF THE EMBANKMENT IS COMPACTED.
8. TRIM THE EMBANKMENTS BATTERS TO THE OVERFILLED MATERIAL. STABILIZE THE UPSTREAM CLAY BATTERS WITH WELL MIXED GYPSUM (3% BY DRY MASS, MIN.) AND COMPACT TO MIN. 98% STD -2% TO +2% OMC.
9. PLACE ROCK RIP-RAP AS SHOWN.
10. RECOVER TOPSOIL FROM STOCKPILE AND SPREAD OVER EMBANKMENT AND CUT BATTERS (A THIN COVER OF TOPSOIL ONLY HAS BEEN NOMINATED), ONLY LIGHTLY TRACK-ROLL THE TOPSOIL AND THEN LANDSCAPE IN ACCORDANCE WITH THE LANDSCAPE AREA DRAWINGS.
11. WATER AND FERTILIZE LANDSCAPE AS REQUIRED BY CLIMATIC CONDITIONS TO ENSURE THE LANDSCAPE IS SUCCESSFUL.
12. AT THE COMPLETION OF WORK WRITTEN CONFIRMATION & CERTIFICATION IS TO BE PROVIDED FROM A QUALIFIED & EXPERIENCED GEOTECHNICAL ENGINEER THAT THE EMBANKMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THESE DRAWINGS.

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
  - a. LOCAL AUTHORITY REQUIREMENTS
  - b. EPA REQUIREMENTS
  - c. NSW DEPARTMENT OF HOUSING 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. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL GOOD EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

6. 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 FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
- (B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
- (C) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
- (D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
- (E) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
- (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.

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD 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 MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. 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.
11. 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.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.

14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:

- (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
- (B) ENSURING THAT NOTHING IS NAILED TO THEM
- (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS:
  - (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
  - (II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
  - (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE DESIGNED, PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, INCLUDING AT COMPLETION OF THE BULK EARTHWORKS (WHERE SHOWN ON A7L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS.

SEDIMENT AND EROSION CONTROLS ARE TO BE DESIGNED AND DOCUMENTED BY A SUITABLY QUALIFIED EXPERT ENGAGED BY THE CONTRACTOR AND APPROVED AS PART OF THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE RELEVANT REQUIREMENTS IN THE LATEST VERSION OF THE MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION GUIDANCE (LANDCOM).

ANY DEWATERING WORKS TO BE AS PER THE DEWATERING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).

DEMOLITION OF EXISTING DWELLING TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF AS2601-2001 - DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.

EXISTING INTERNALS FENCING, CATTLE YARDS, UTILITIES AND OTHER  
REDUNDANT STRUCTURES TO BE DEMOLISHED AND REMOVED TO AN  
APPROVED WASTE MANAGEMENT FACILITY.

DAM DECOMMISSIONING TO BE COMPLETED AS PER THE DAM DECOMMISSIONING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP)

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.

AT & L 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.

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CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

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.

1. THESE DRAWINGS ARE TO READ IN CONJUNCTION WITH DRAWING SET 20-748-6000 SERIES.

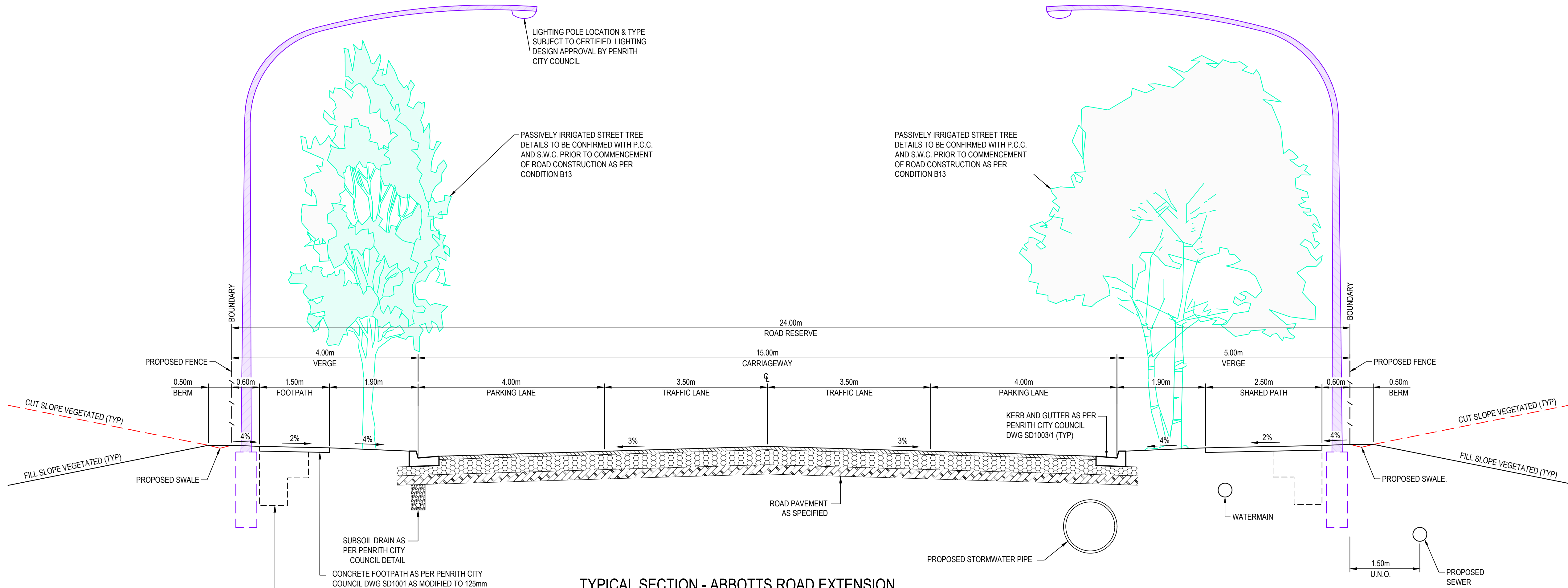
1. ALL FINISHED SURFACE LEVELS ARE  $\pm 1000\text{mm}$  U.N.O

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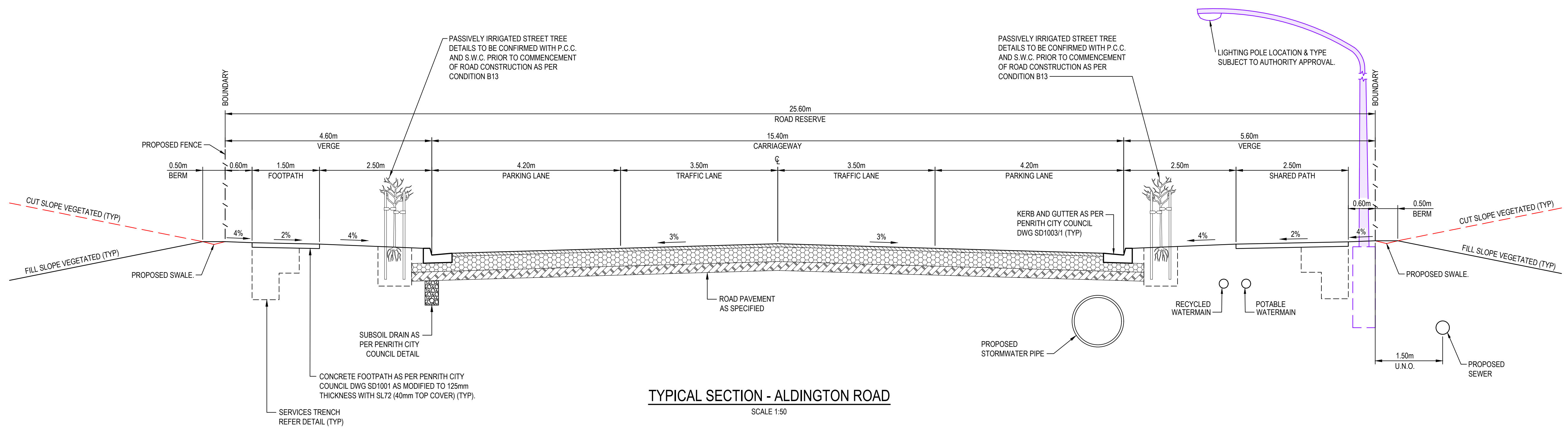






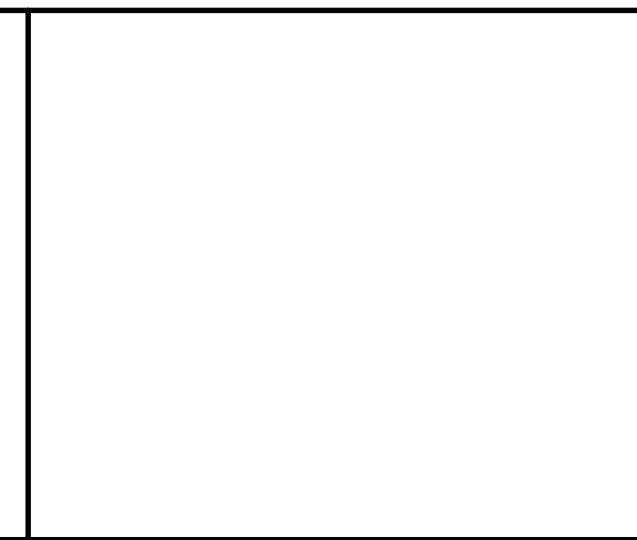
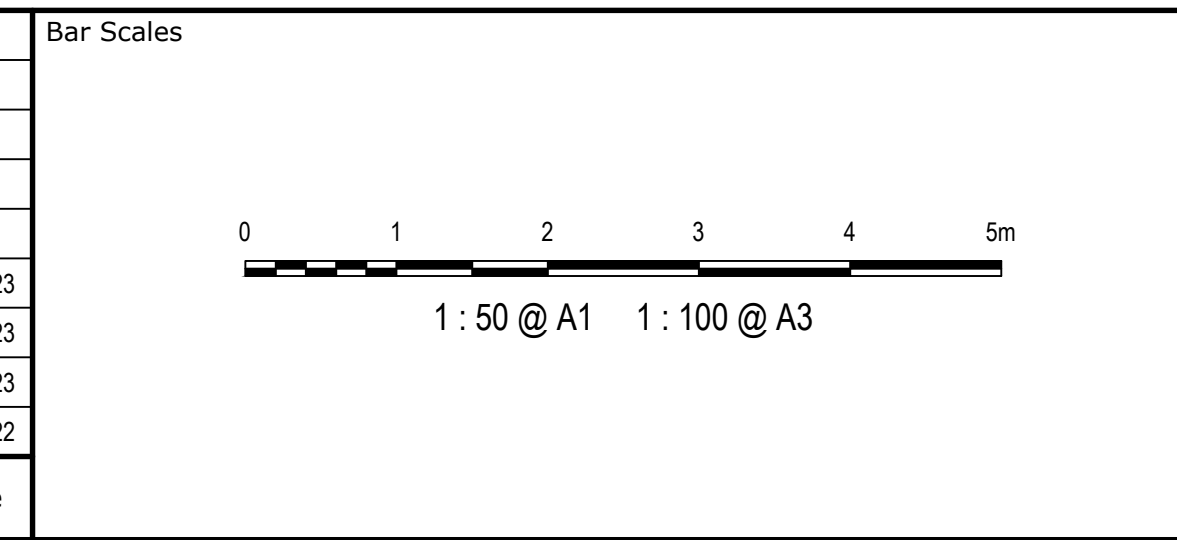


TYPICAL SECTION - ABBOTTS ROAD EXTENSION  
SCALE 1:50



TYPICAL SECTION - ALDINGTON ROAD  
SCALE 1:50

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



Scales	1:50
Grid	MGA2020
Height Datum	AHD

Drawn	LM
Designed	LM
Checked	AT
Approved	AT

GDA2020

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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	TYPICAL ROAD SECTIONS SHEET 1

Civil Engineers and Project Managers

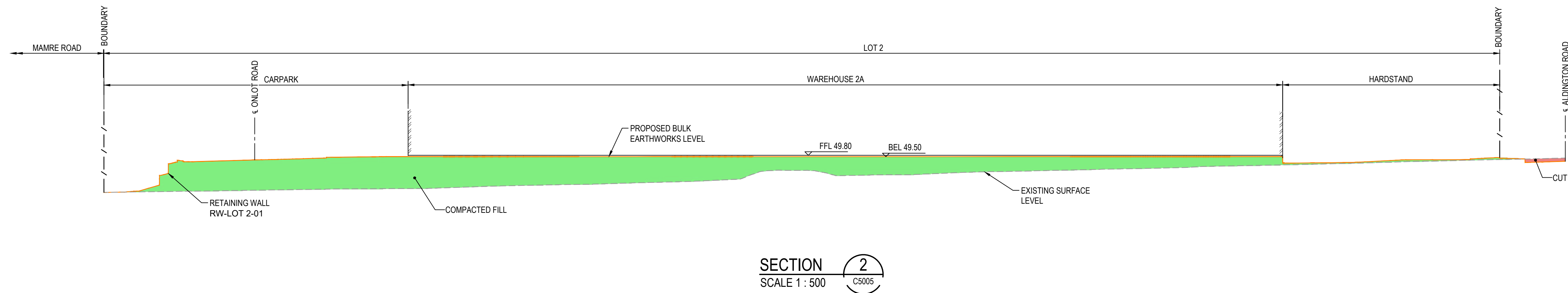
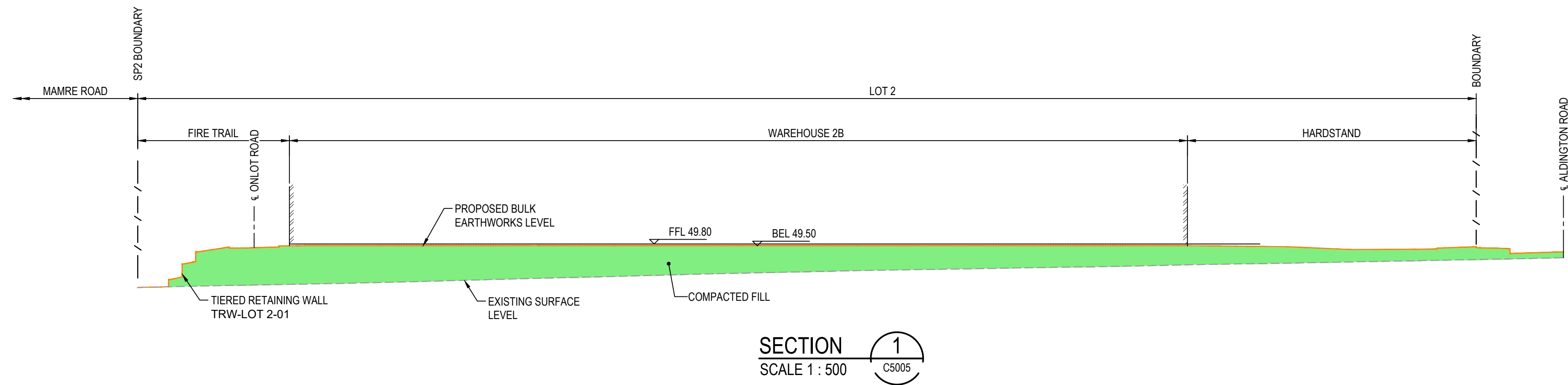
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5010	Issue D

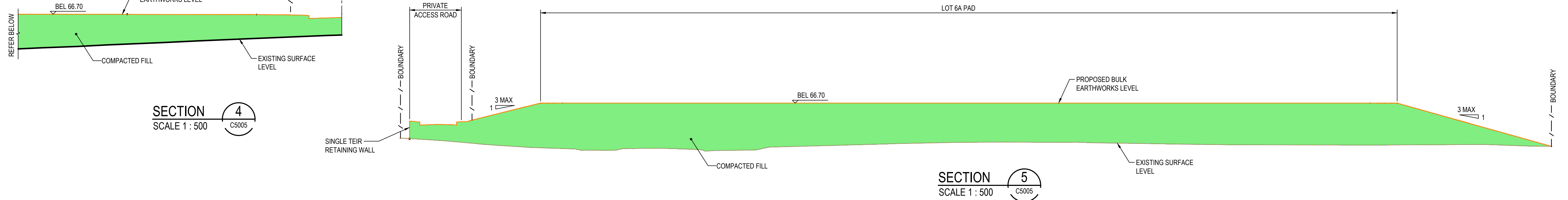
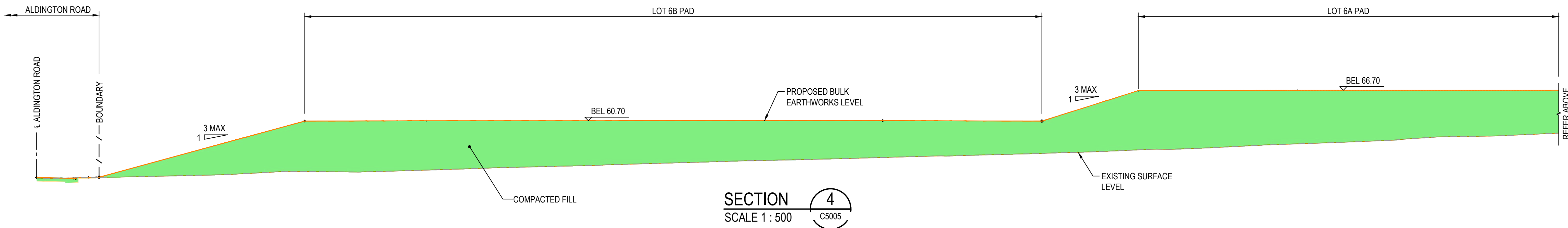


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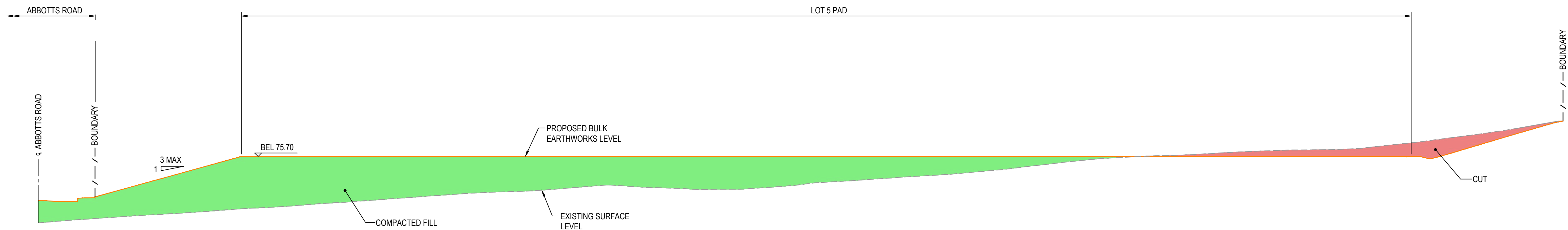




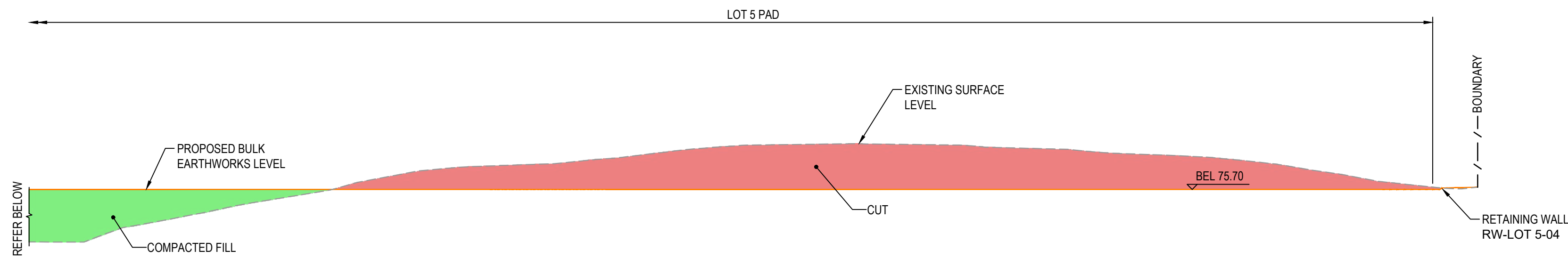
			Bar Scales				Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
							1:500		LM		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
									Designed							
									Checked							
							MGA2020		AT							
							AHD		Approved		AT					
							GDA2020		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		TYPICAL SITE SECTIONS SHEET 1		Status		A1	
													FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			
D ISSUED FOR DEVELOPMENT APPLICATION 27-09-23													Project - Drawing No.		Issue	
C ISSUED FOR DEVELOPMENT APPLICATION 12-09-23													20-748-C5012		D	
B ISSUED FOR DEVELOPMENT APPLICATION 23-02-23																
A ISSUED FOR DEVELOPMENT APPLICATION 25-10-22																
Issue Description Date																

[illegible]

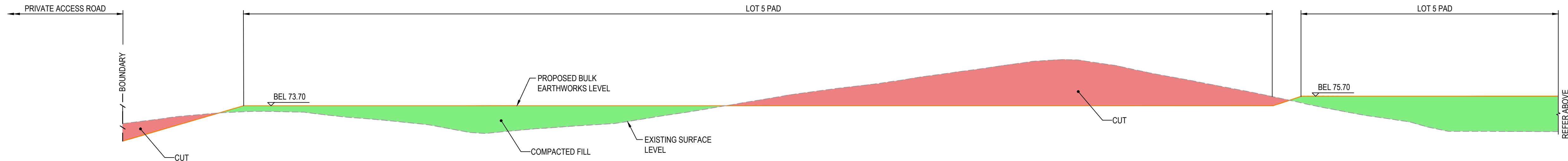




SECTION 7  
SCALE 1 : 500  
C5005



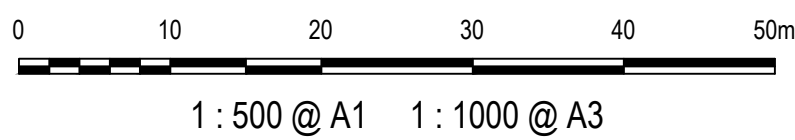
SECTION 8  
SCALE 1 : 500  
C5005



SECTION 8  
SCALE 1 : 500  
C5005

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

Bar Scales



Client



Scales  
1:500

Grid  
MGA2020

Height Datum  
AHD

Drawn	LM
Designed	LM
Checked	AT
Approved	AT

**GDA2020**  
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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**TYPICAL SITE SECTIONS SHEET 3**

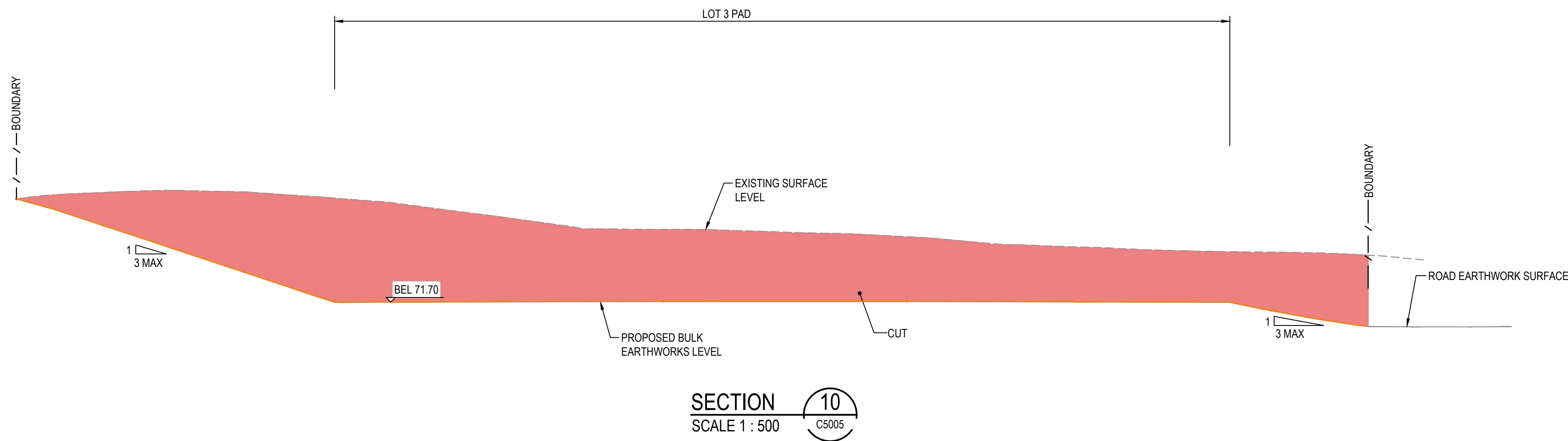
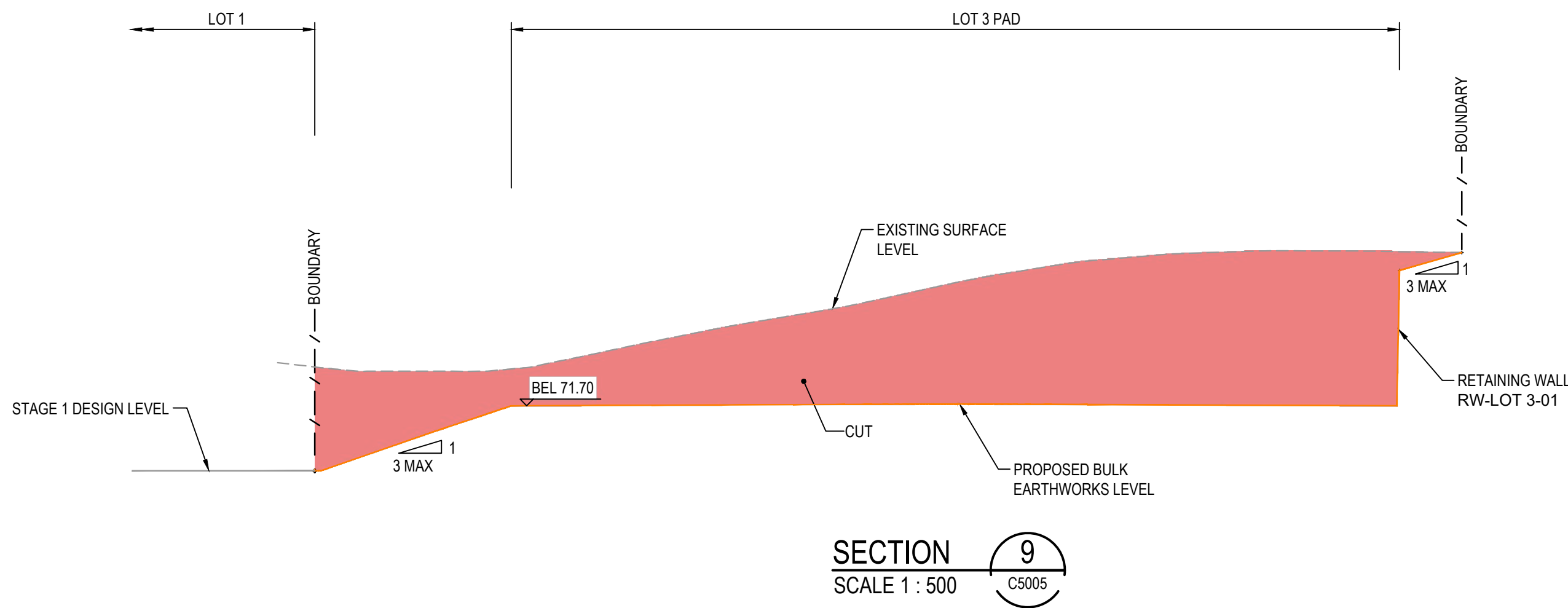
Civil Engineers and Project Managers

**at&l**  
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

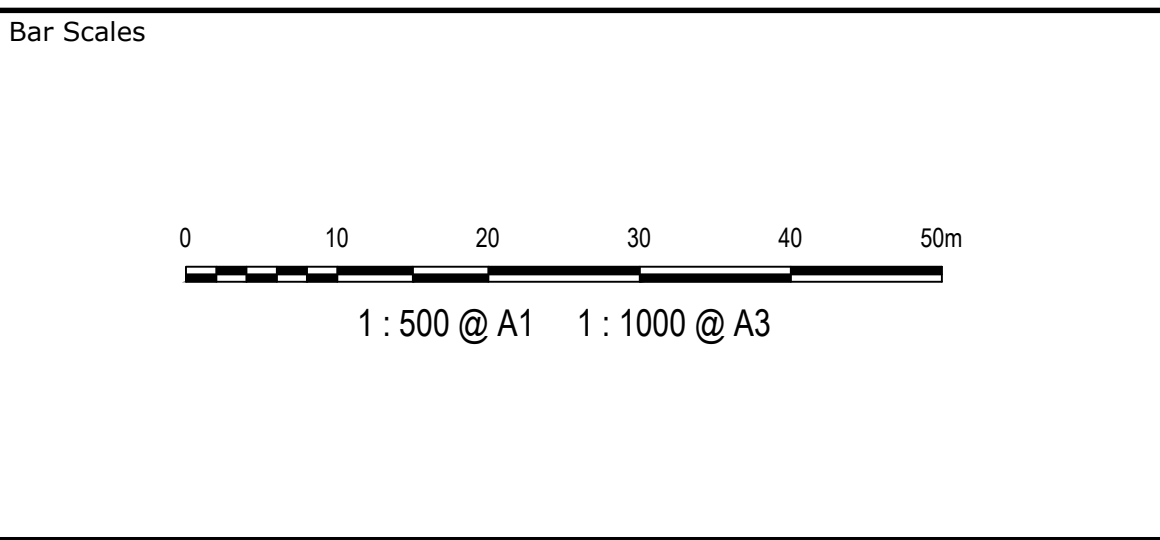
Status  
**FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION**

Project - Drawing No.  
**20-748-C5014**

Issue  
**A1  
D**



E	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

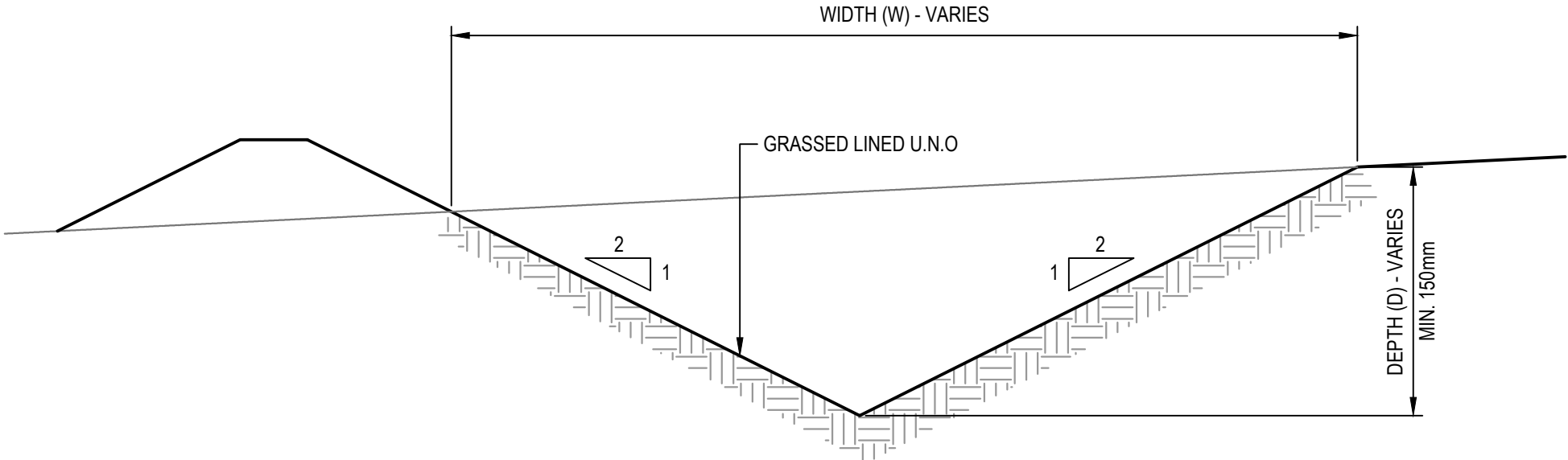


Scales	1:500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Title	TYPICAL SITE SECTIONS SHEET 4

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5015	Issue E

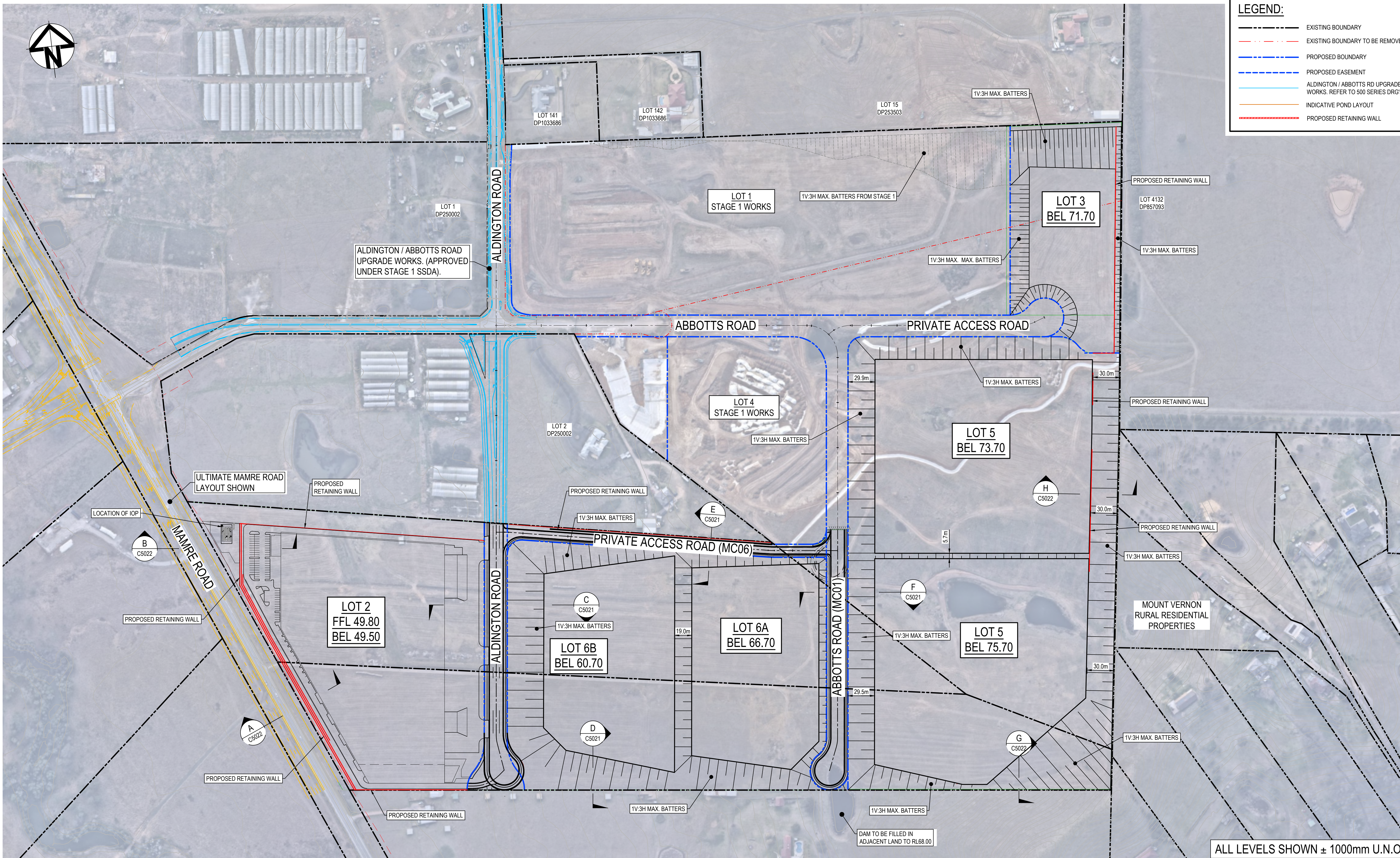




CATCH DRAIN DETAIL  
SCALE 1:10

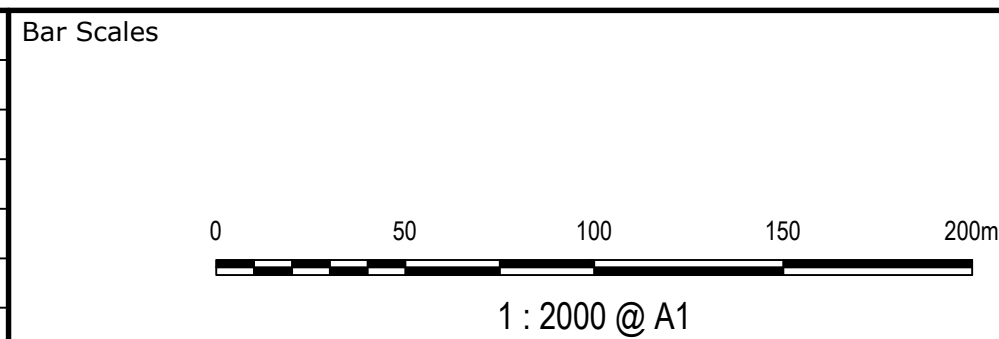
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D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23							
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23							
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23							
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22							
Issue	Description	Date							
			TYPICAL DETAILS SHEET 1						
			Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 20-748-C5016 Issue D						





ALL LEVELS SHOWN ± 1000mm U.N.O

Issue	Description	Date
E	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



Client



Scales  
1 : 2000

Grid  
MGA2020

Height  
Datum  
AHD

**GDA2020**  
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Drawn  
LM

Designed  
LM

Checked  
AT

Approved  
AT

Project  
**PROPOSED INDUSTRIAL  
DEVELOPMENT  
WESTLINK  
KEMPS CREEK**

Title  
**BOUNDARY  
INTERFACE  
PLAN**

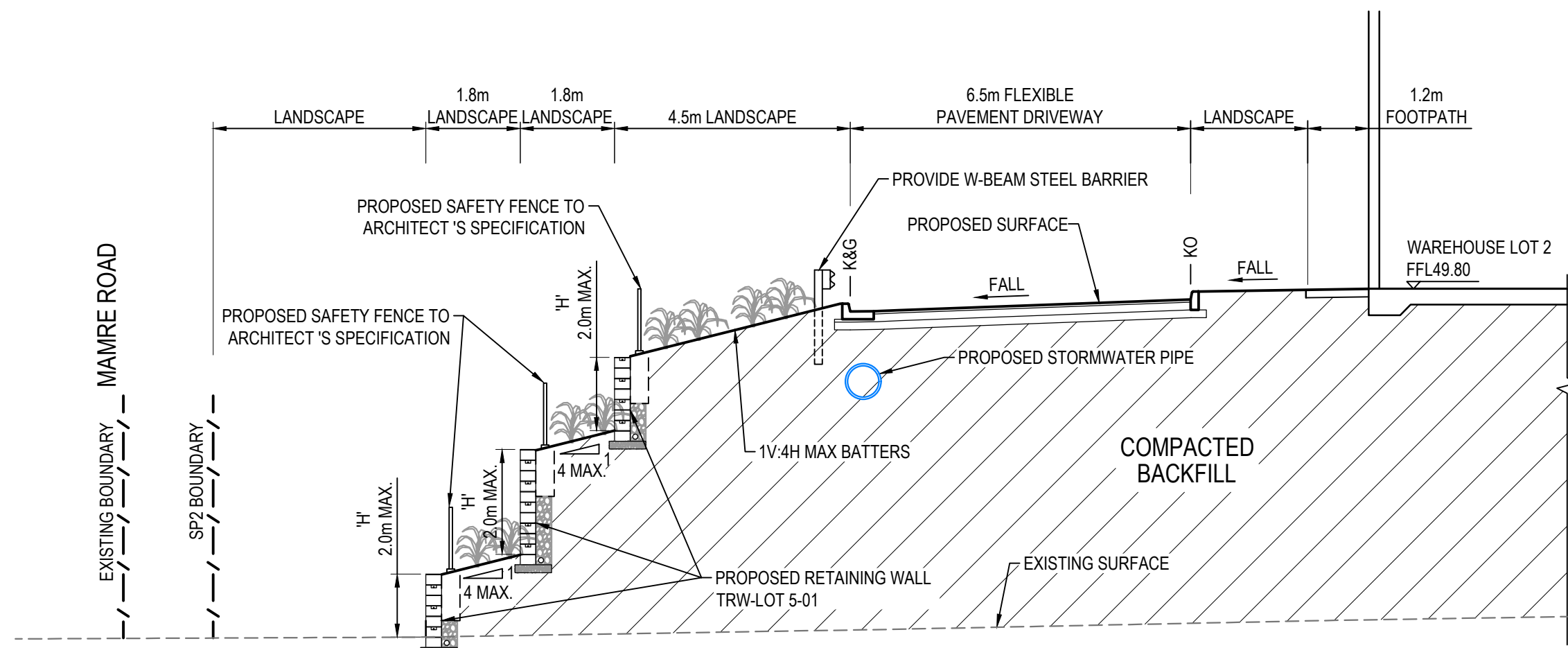
Civil Engineers and Project Managers  
**at&l**  
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status  
**FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION**  
Project - Drawing No.  
**20-748-C5020**

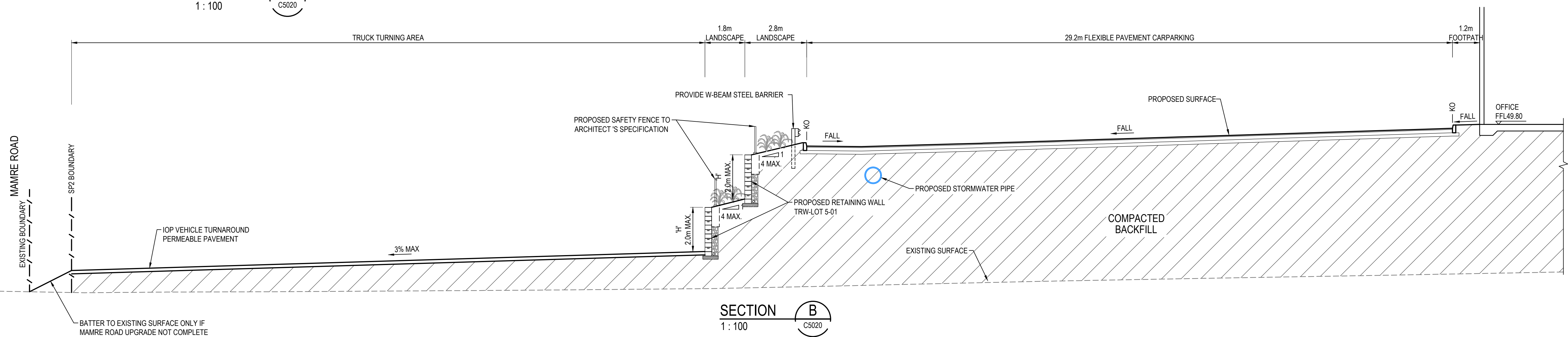
Issue  
**E**



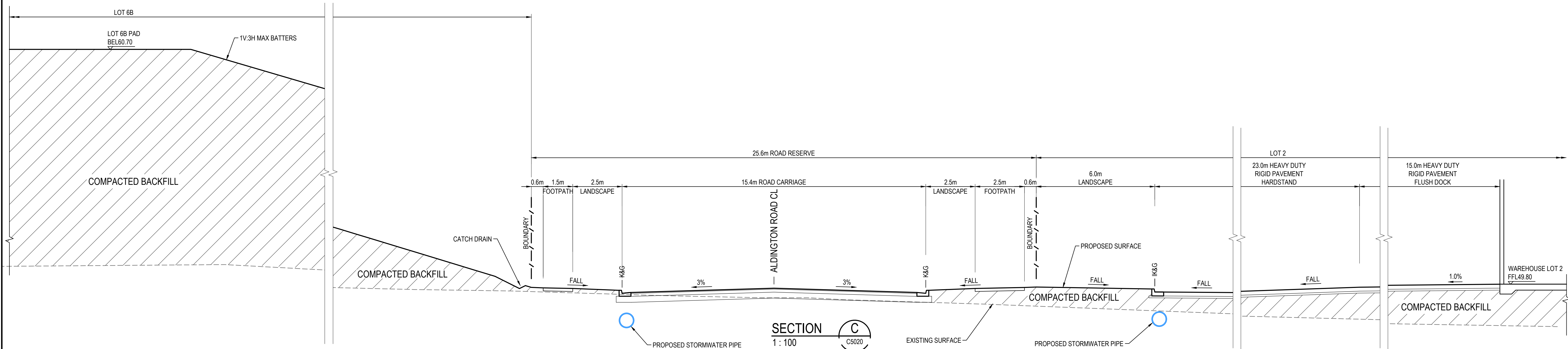
NOTE:  
RETAINING WALL DETAILS ARE INDICATIVE  
ONLY. FINAL DESIGN SUBJECT TO  
GEOTECHNICAL, LANDSCAPE AND STRUCTURAL  
ENGINEERS DETAILS.



SECTION A  
1 : 100  
C5020



SECTION B  
1 : 100  
C5020



SECTION C  
1 : 100  
C5020

Issue	Description	Date
E	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

Bar Scales	
1 : 100 @ A1 1 : 200 @ A3	

Client

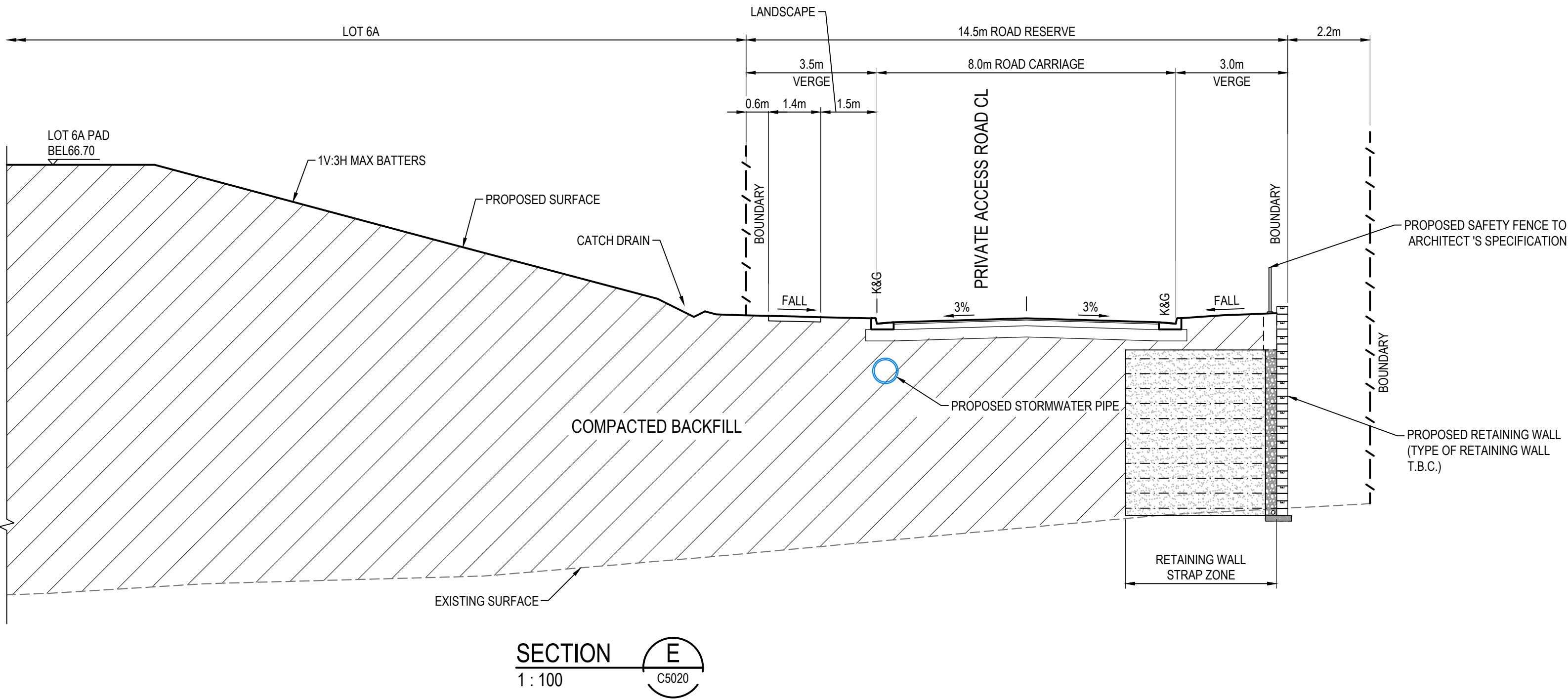
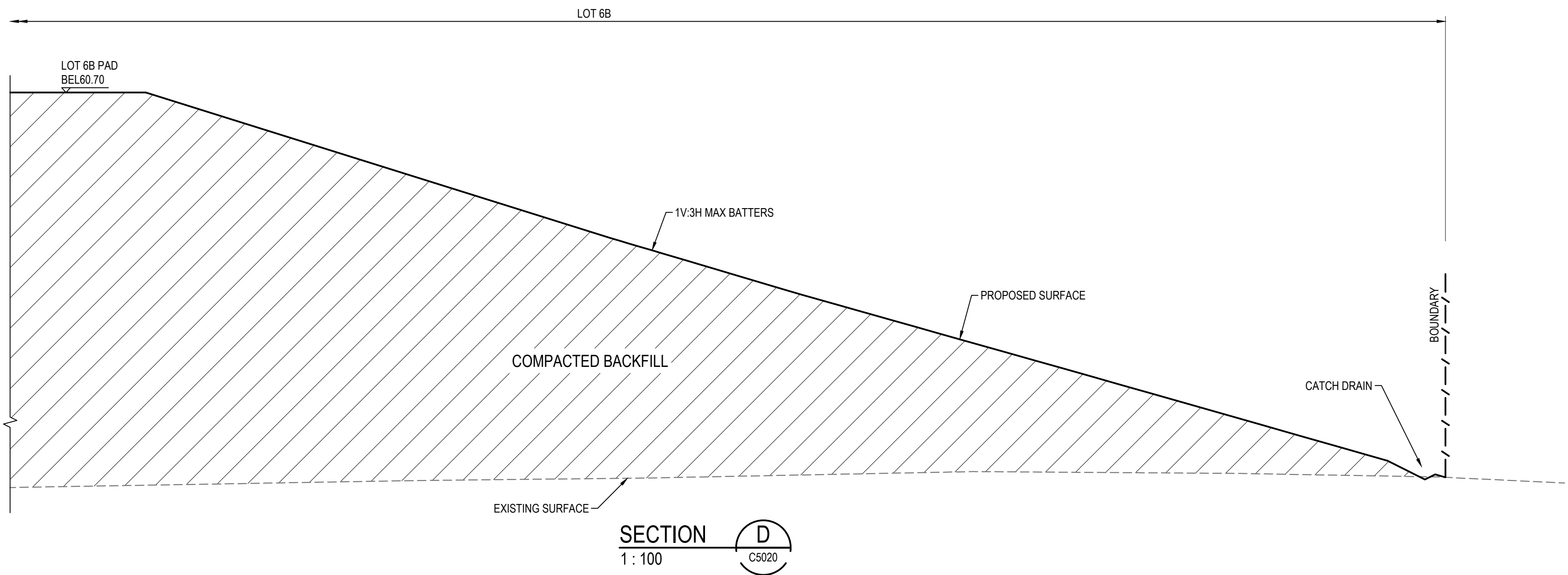
Scales	1 : 100
Grid	MGA2020
Height Datum	AHD
GDA2020	
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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	BOUNDARY INTERFACE SECTIONS SHEET 1

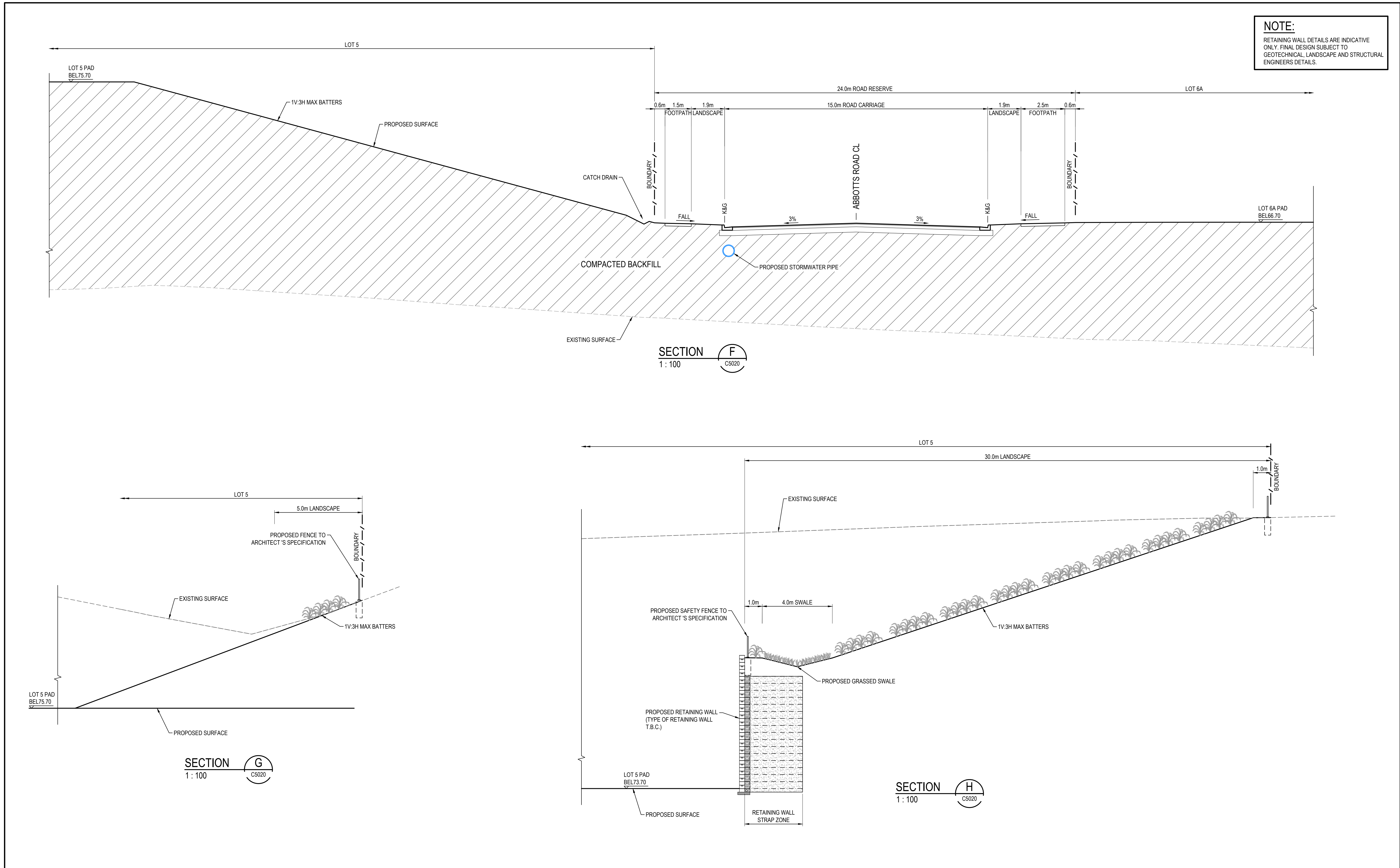
Civil Engineers and Project Managers	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	20-748-C5021
Issue	E



NOTE:  
RETAINING WALL DETAILS ARE INDICATIVE ONLY. FINAL DESIGN SUBJECT TO GEOTECHNICAL, LANDSCAPE AND STRUCTURAL ENGINEERS DETAILS.

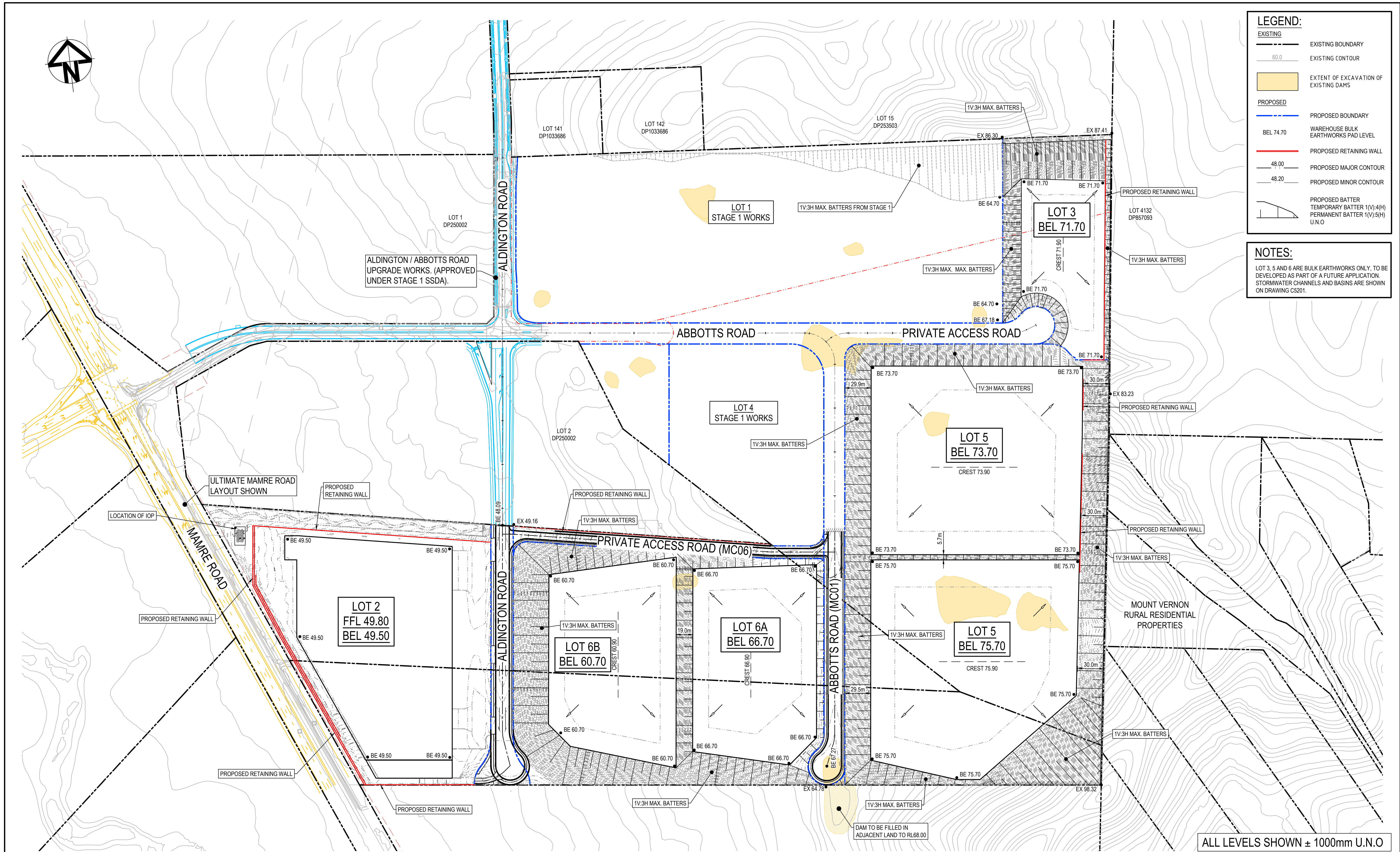


			Bar Scales			Client		<div>Scales</div> <div>1 : 100</div>	<div>Drawn</div> <div>LM</div>	Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Civil Engineers and Project Managers					
		<div>Designed</div> <div>LM</div>															
		<div>Checked</div> <div>AT</div>															
		<div>Grid</div> <div>MGA2020</div>						<div>Approved</div> <div>AT</div>	Title	BOUNDARY INTERFACE SECTIONS SHEET 2	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1				
		<div>Height Datum</div> <div>AHD</div>												Project - Drawing No.	20-748-C5022	Issue	D
		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L															
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23															
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23															
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23															
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22															
Issue	Description	Date															

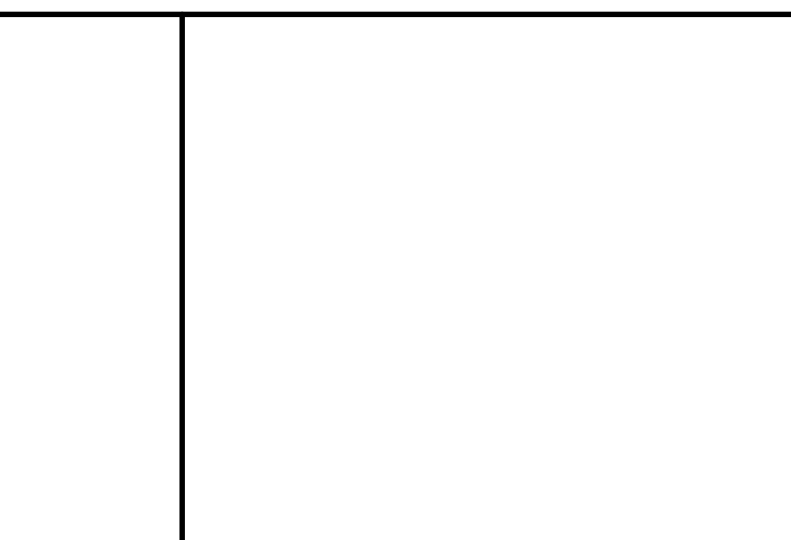
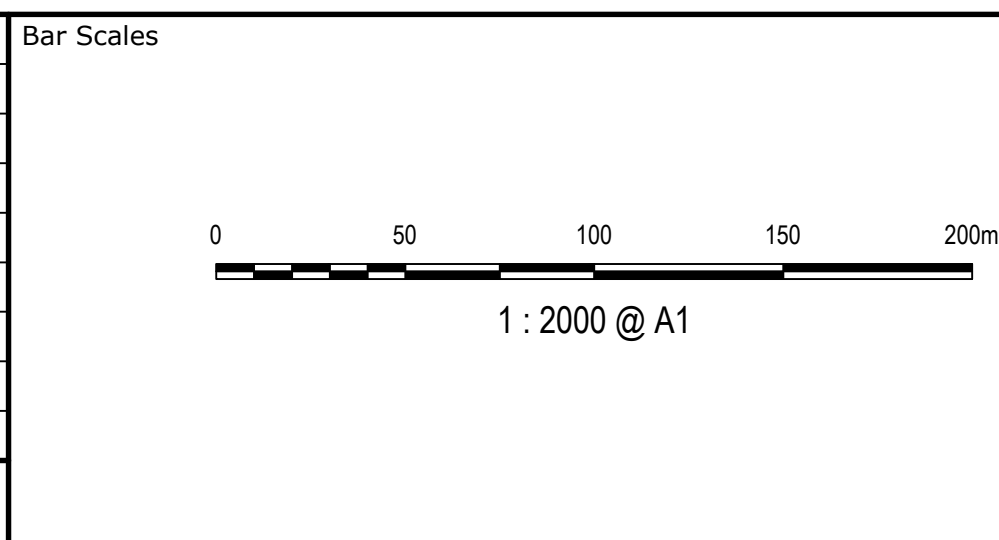


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Issue	Description	Date
E	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



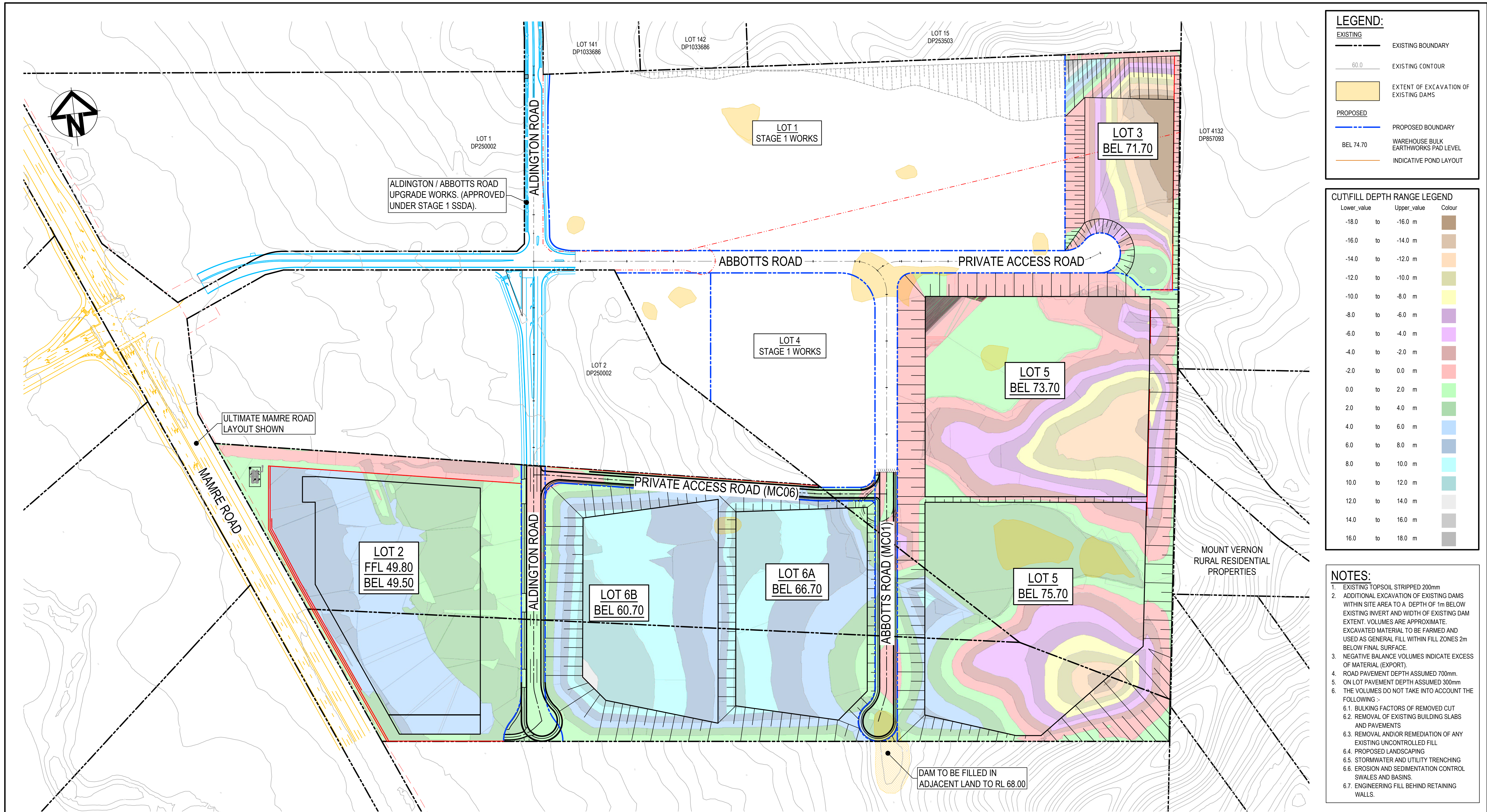
Scales	1 : 2000
Grid	MGA2020
Height Datum	AHD

Drawn	LM
Designed	LM
Checked	AT
Approved	AT

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	BULK EARTHWORKS CONTOUR PLAN

Civil Engineers and Project Managers	at&l	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5030	Issue E





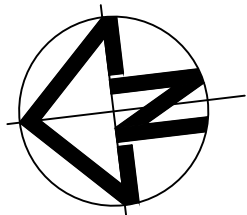
EARTHWORKS VOLUMES

A	B	C	D	F=C+D-E
EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.2	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-73,060	-10,467	-616,379	+1,060,081	+443,703 (IMPORT)

ALL LEVELS SHOWN ± 1000mm U.N.O

Bar Scales			Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
0 50 100 150 200m			ESR		1 : 2000		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
1 : 2000 @ A1					Grid MGA2020		Designed LM					
					Height Datum AHD		Checked AT					
					GDA2020		Approved AT		Title			
					THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L				BULK EARTHWORKS CUT/FILL PLAN		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
											Project - Drawing No. 20-748-C5033	
											Issue E	
Issue Description Date												
E ISSUED FOR DEVELOPMENT APPLICATION 11-10-23												
D ISSUED FOR DEVELOPMENT APPLICATION 27-09-23												
C ISSUED FOR DEVELOPMENT APPLICATION 12-09-23												
B ISSUED FOR DEVELOPMENT APPLICATION 23-02-23												
A ISSUED FOR DEVELOPMENT APPLICATION 25-10-22												
100mm on Original												





LOT 5  
BEL 75.70

REFER EROSION & SEDIMENT DRAWINGS FOR  
STORMWATER DRAINAGE OF LOT 5 & 6

AS BUILT ROAD

STAGE 2 TO TIE INTO STAGE 1  
WITH SAW CUT DETAIL.

INTERIM GRATED PIT TO CAPTURE  
BULK SURFACE BATTER FLOWS

ABBOTTS ROAD (MC01)

000'0

LIMIT OF WORKS

591.074

EXISTING V.C. TO BE RE-BUILT TO MATCH  
NEW ROAD EXTENSION.

LOT 4  
STAGE 1 WORKS

PRIVATE ACCESS ROAD  
(MC06)

EXISTING CUL-DE-SAC CONSTRUCTED AS  
PART OF STAGE 1 TO BE DEMOLISHED. TIE  
NEW PAVEMENT LEVELS INTO EXISTING.

LOT 6  
BEL 66.70

FOR CONTINUATION REFER TO DRAWING C5042

#### LEGEND:

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- FUTURE BOUNDARY
- PROPOSED BOUNDARY
- TEMPORARY BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS, (NOT PART OF THIS SCOPE OF WORKS).
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL
- PROPOSED BULK EARTHWORKS MAJOR CONTOUR
- PROPOSED BULK EARTHWORKS MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):3(H) U.N.O
- PROPOSED KERB AND GUTTER
- PROPOSED DRIVEWAY LAYBACK TO PCC SPECIFICATION
- PROPOSED KERB RAMP
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

ALL LEVELS ARE  $\pm 1000\text{mm}$  U.N.O

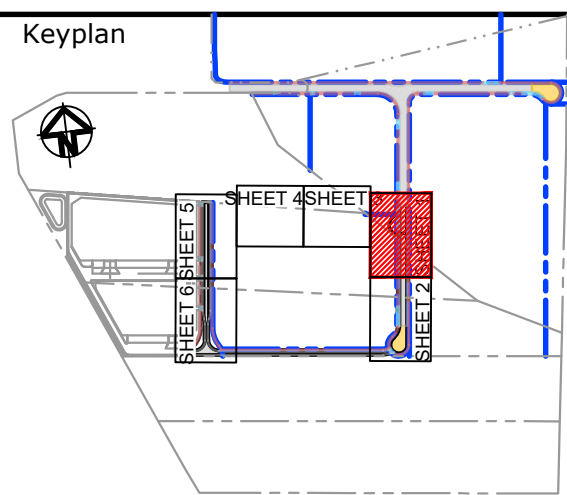
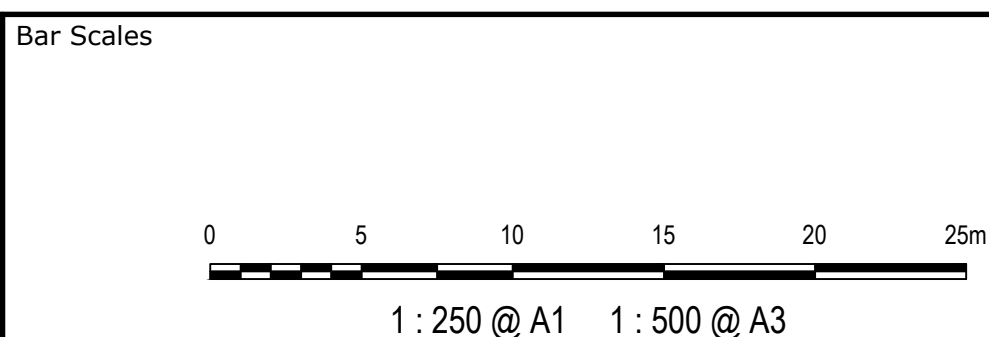
#### PAVEMENT LEGEND:

- PROPOSED INDUSTRIAL ROAD
  - 70mm THICKNESS AC14 (C320) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
  - 175mm THICKNESS SUB-BASECOURSE (DGS40) ON
  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT
  - 75mm THICKNESS AC14 (A1E) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
  - 175mm THICKNESS SUB-BASECOURSE (DGS40) ON
  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT
  - 125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)
  - 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY
  - 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON
  - 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- AS BUILT ROAD

#### NOTE:

- REFER TO DRAWING SET 20-748 6000 SERIES SET FOR LOT 3, 5 & 6 ON LOT DRAINAGE.

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



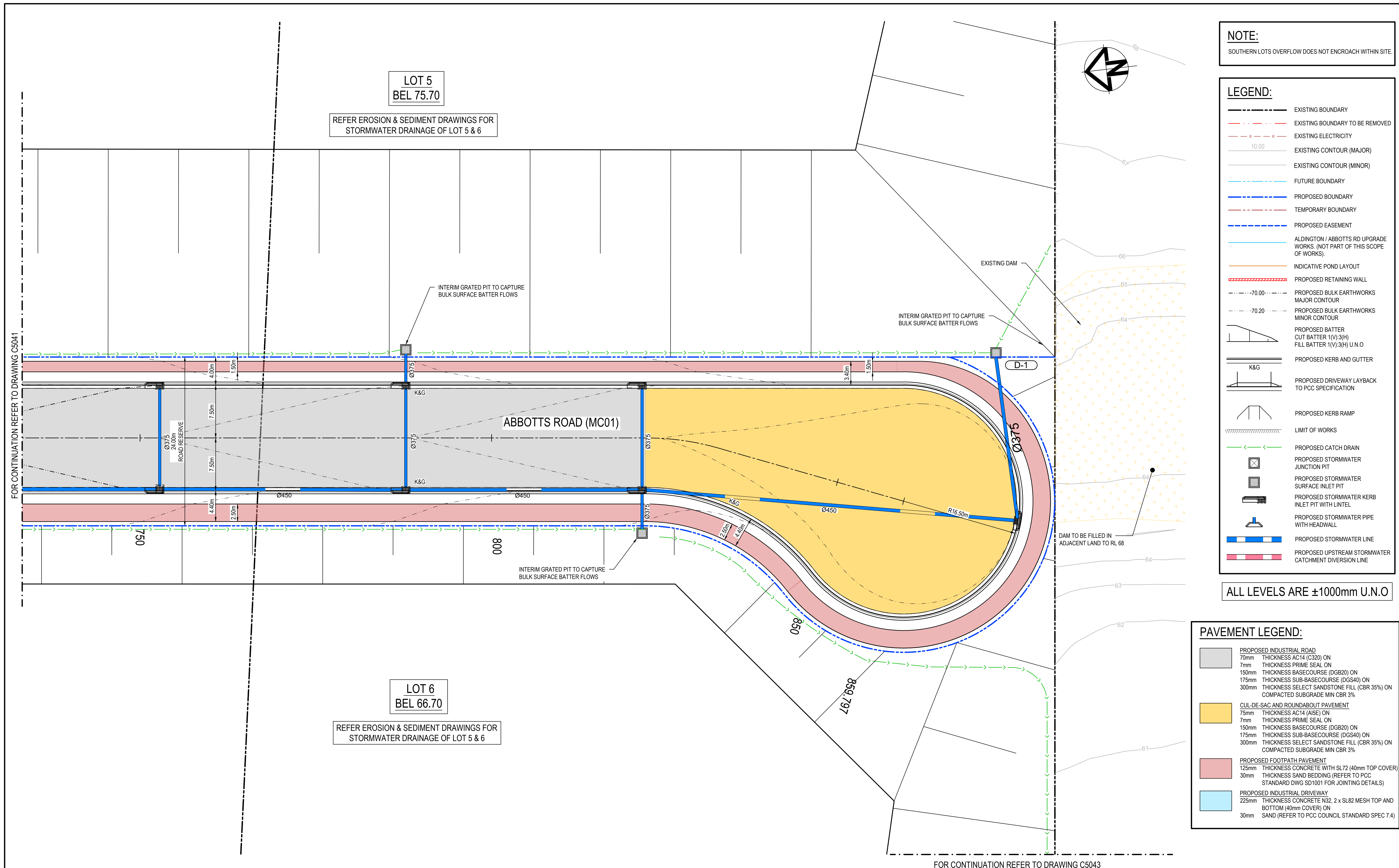
Scales	1 : 250	Drawn	LM
Grid	MGA2020	Designed	LM
Height Datum	AHD	Checked	AT
		Approved	AT

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

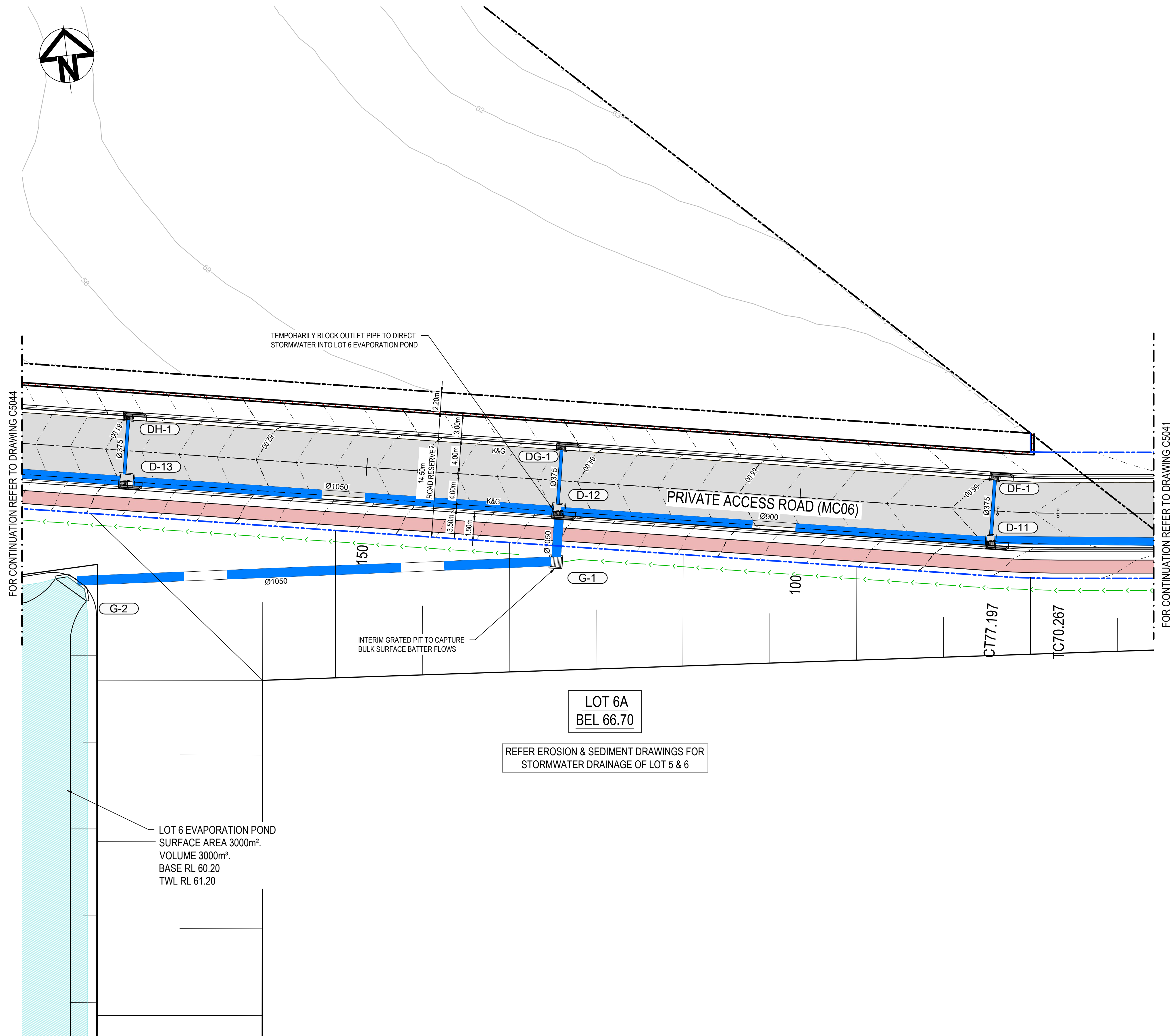
Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	20-748-C5041
Issue	D



[illegible]





**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- FUTURE BOUNDARY
- PROPOSED BOUNDARY
- TEMPORARY BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS, (NOT PART OF THIS SCOPE OF WORKS).
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL
- PROPOSED BULK EARTHWORKS MAJOR CONTOUR
- PROPOSED BULK EARTHWORKS MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):3(H) U.N.O
- PROPOSED KERB AND GUTTER
- PROPOSED DRIVEWAY LAYBACK TO PCC SPECIFICATION
- PROPOSED KERB RAMP
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- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

ALL LEVELS ARE ±1000mm U.N.O

**PAVEMENT LEGEND:**

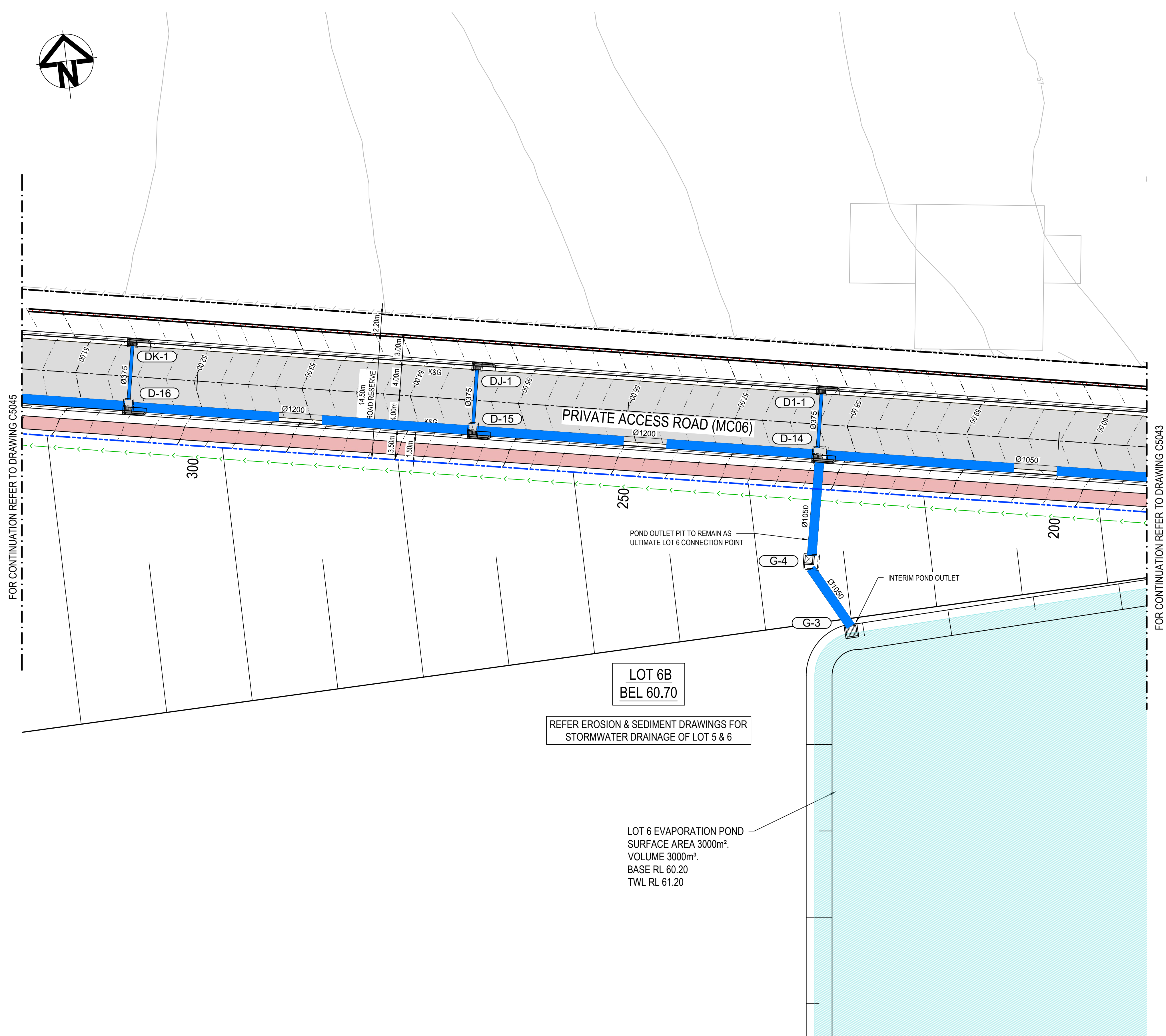
- PROPOSED INDUSTRIAL ROAD**
  - 70mm THICKNESS AC14 (C320) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
  - 175mm THICKNESS SUB-BASECOURSE (DGS40) ON
  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**
  - 75mm THICKNESS AC14 (A1E) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
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  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT**
  - 125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)
  - 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**
  - 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON
  - 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)

**NOTE:**

1. REFER TO DRAWING SET 20-748 6000 SERIES SET FOR LOT 3, 5 & 6 ON LOT DRAINAGE.

<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>D</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>27-09-23</td></tr><tr><td>C</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>12-09-23</td></tr><tr><td>B</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>23-02-23</td></tr><tr><td>A</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>25-10-22</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>																	D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23	A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22	Issue	Description	Date	<p>Bar Scales</p> <p>0 5 10 15 20 25m</p> <p>1 : 250 @ A1 1 : 500 @ A3</p>	<p>Keyplan</p>	<p>Client</p>	<table><tr><td>Scales</td><td>1 : 250</td><td>Drawn</td><td>LM</td></tr><tr><td></td><td></td><td>Designed</td><td>LM</td></tr><tr><td>Grid</td><td>MGA2020</td><td>Checked</td><td>AT</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td>AT</td></tr></table> <p>GDA2020</p> <p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</p>	Scales	1 : 250	Drawn	LM			Designed	LM	Grid	MGA2020	Checked	AT	Height Datum	AHD	Approved	AT	<p>Project</p> <p>PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK</p> <p>Title</p> <p>ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3</p>	<p>Civil Engineers and Project Managers</p> <p><b>at&amp;l</b></p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p> <table><tr><td>Status</td><td>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</td><td>A1</td></tr><tr><td>Project - Drawing No.</td><td>20-748-C5043</td><td>Issue</td><td>D</td></tr></table>	Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1	Project - Drawing No.	20-748-C5043	Issue	D
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23																																																										
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23																																																										
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A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22																																																										
Issue	Description	Date																																																										
Scales	1 : 250	Drawn	LM																																																									
		Designed	LM																																																									
Grid	MGA2020	Checked	AT																																																									
Height Datum	AHD	Approved	AT																																																									
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1																																																										
Project - Drawing No.	20-748-C5043	Issue	D																																																									





**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- FUTURE BOUNDARY
- PROPOSED BOUNDARY
- TEMPORARY BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL
- PROPOSED BULK EARTHWORKS MAJOR CONTOUR
- PROPOSED BULK EARTHWORKS MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):3(H) U.N.O
- PROPOSED KERB AND GUTTER
- PROPOSED DRIVEWAY LAYBACK TO PCC SPECIFICATION
- PROPOSED KERB RAMP
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

ALL LEVELS ARE ±1000mm U.N.O

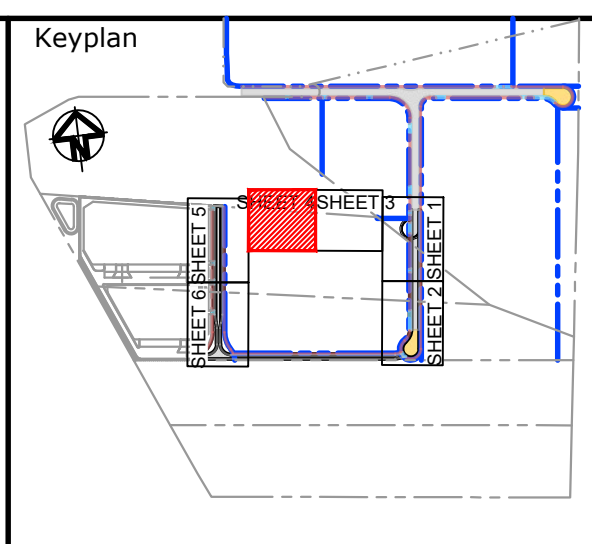
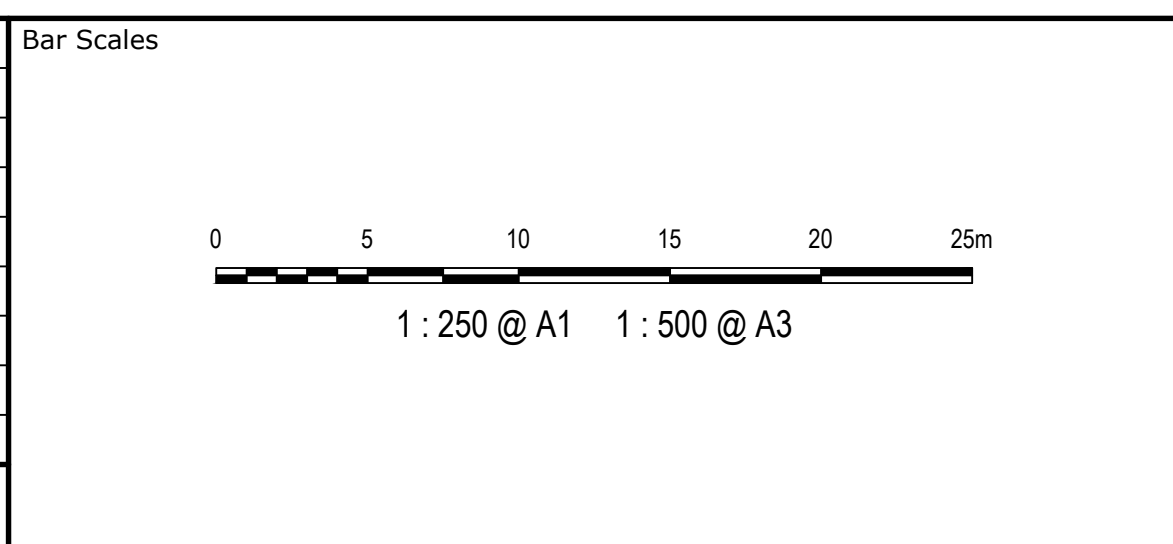
**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**
  - 70mm THICKNESS AC14 (C320) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
  - 175mm THICKNESS SUB-BASECOURSE (DGS40) ON
  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**
  - 75mm THICKNESS AC14 (A1E) ON
  - 7mm THICKNESS PRIME SEAL ON
  - 150mm THICKNESS BASECOURSE (DGB20) ON
  - 175mm THICKNESS SUB-BASECOURSE (DGS40) ON
  - 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON
  - COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT**
  - 125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)
  - 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**
  - 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON
  - 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)

**NOTE:**

1. REFER TO DRAWING SET 20-748 6000 SERIES SET FOR LOT 3, 5 & 6 ON LOT DRAINAGE.

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client

**ESR**

Scales

1 : 250

Grid MGA2020

Height Datum AHD

Drawn LM

Designed LM

Checked AT

Approved AT

**GDA2020**

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

**ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4**

Civil Engineers and Project Managers

**at&l**

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

**FOR APPROVAL**

NOT TO BE USED FOR CONSTRUCTION

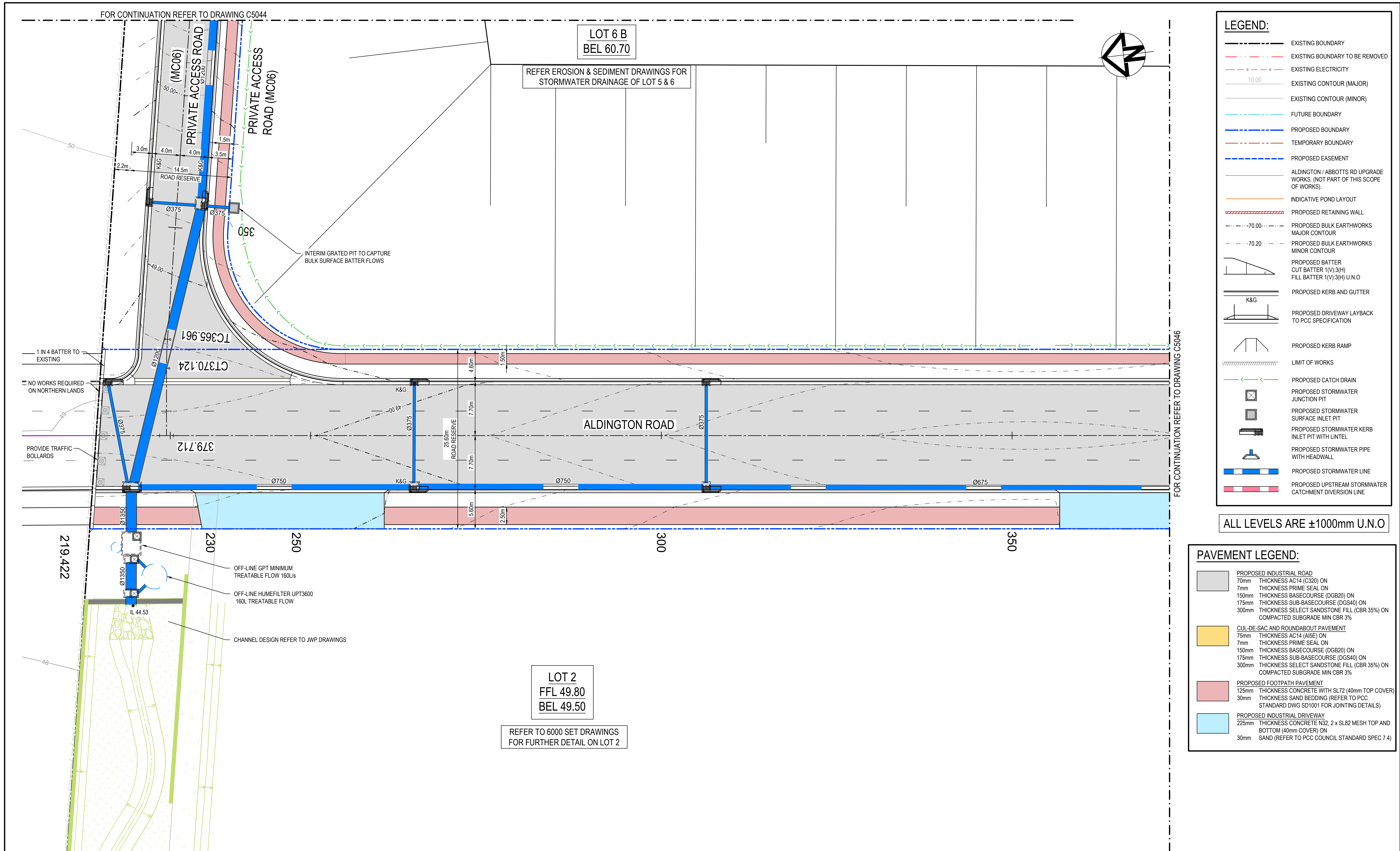
Project - Drawing No.

**20-748-C5044**

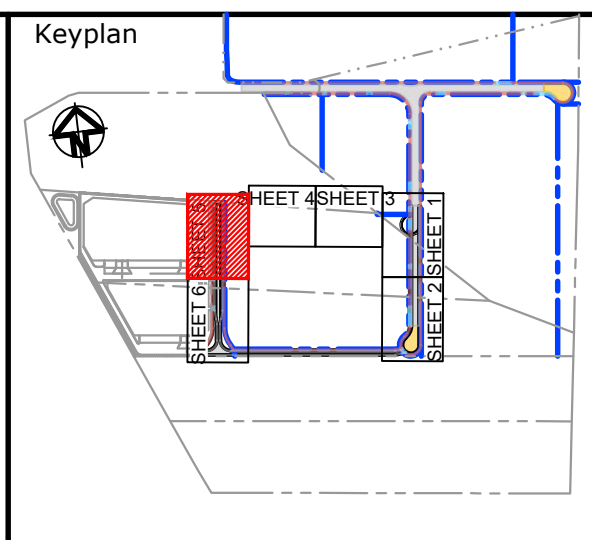
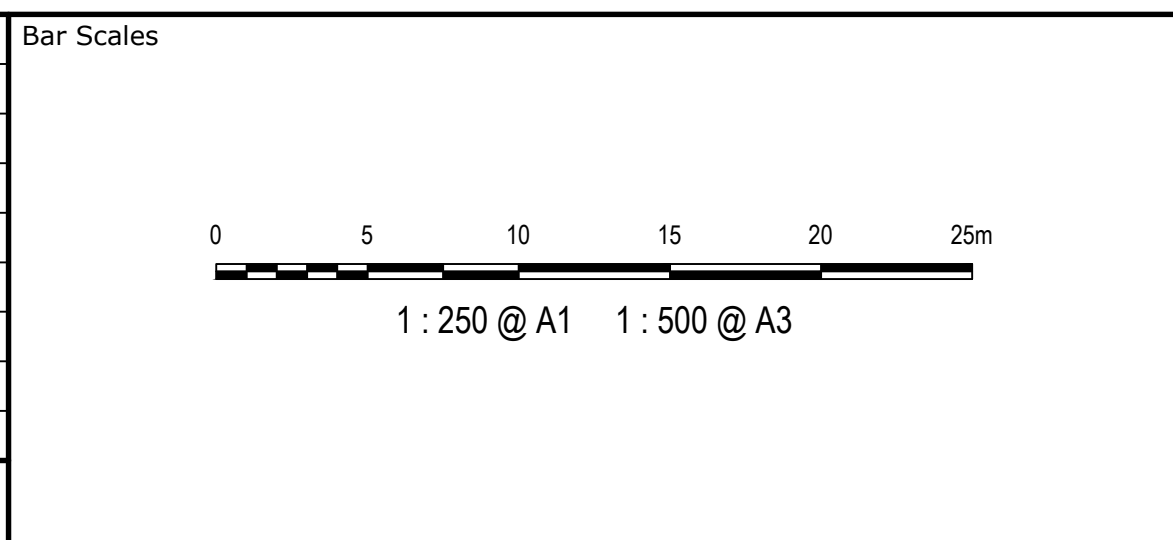
Issue

**D**





Issue	Description	Date
E	ISSUED FOR DEVELOPMENT APPLICATION	04-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

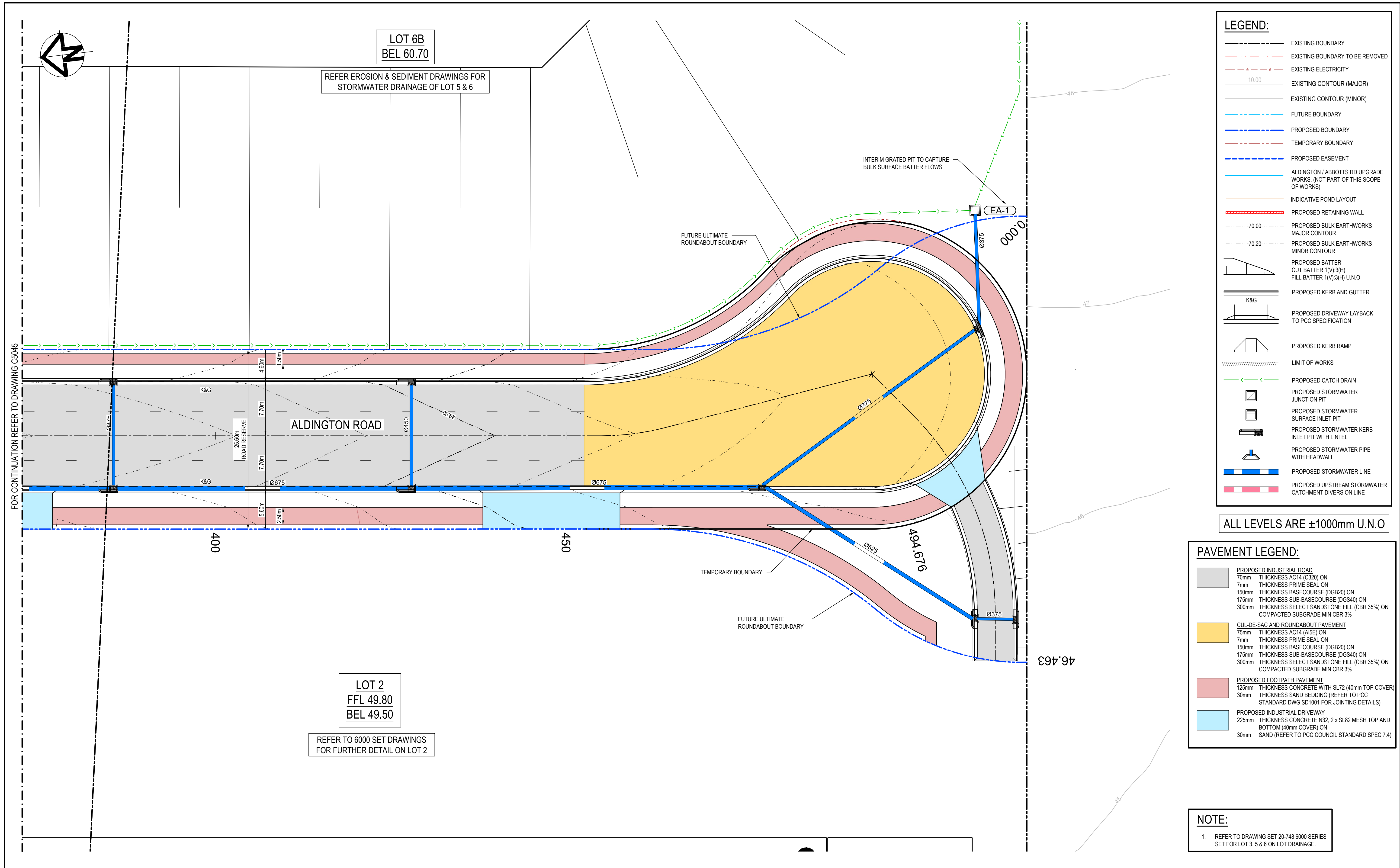


Scales	1 : 250	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
GDA2020			
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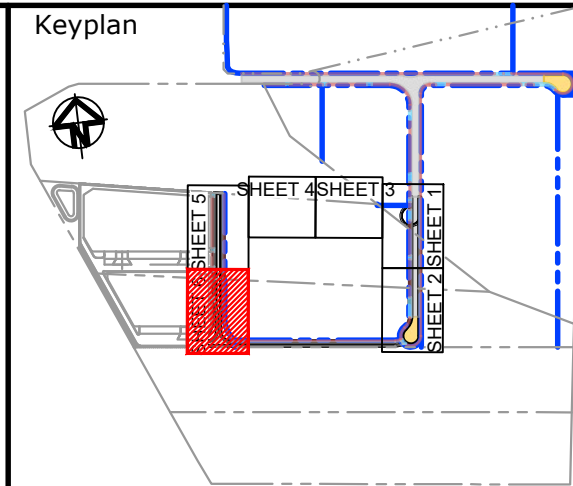
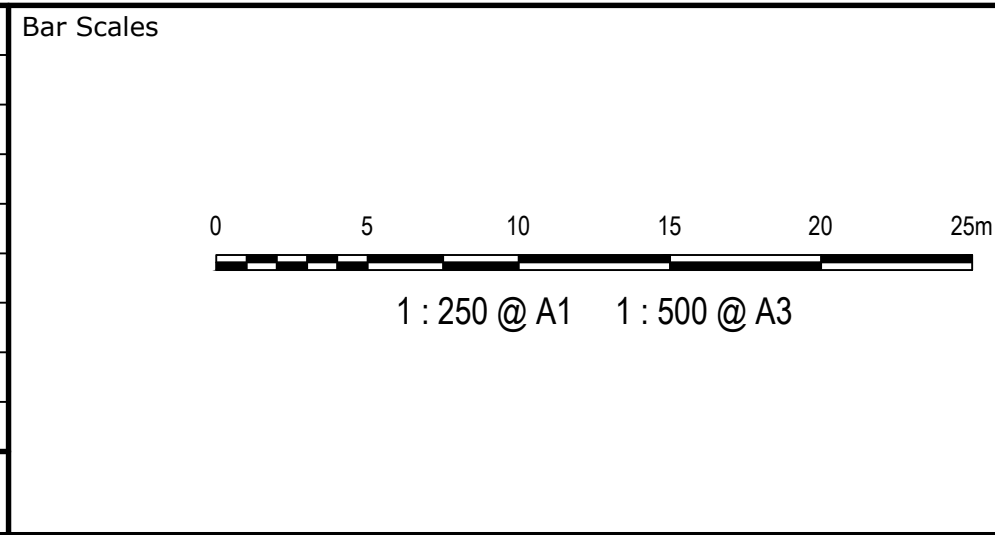
Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5

Civil Engineers and Project Managers		
at&i		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5045	Issue
		E





Issue	Description	Date
F	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
E	ISSUED FOR DEVELOPMENT APPLICATION	04-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

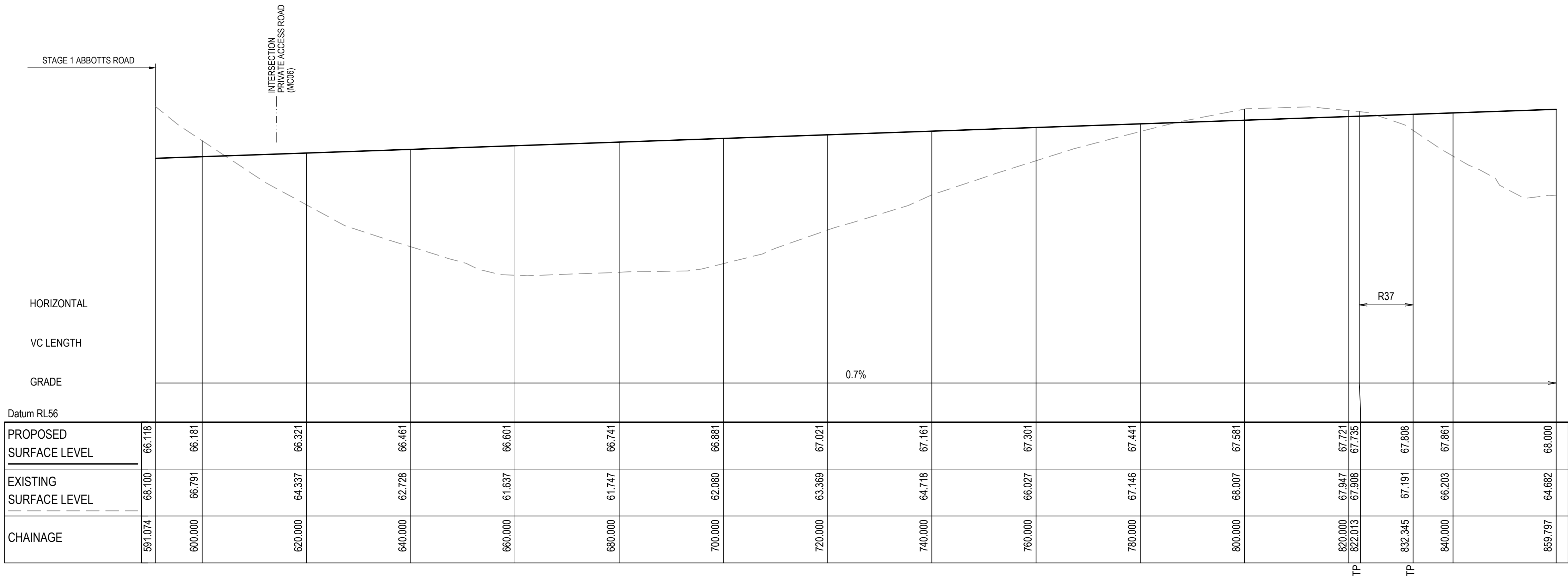


Scales	1 : 250	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
GDA2020			
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5046	Issue F





ABBOTTS ROAD (MC01) LONGITUDINAL SECTION  
SCALE 1:500 HORIZONTAL  
1:100 VERTICAL

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

Bar Scales


0246810m


1 : 100 @ A1    1 : 200 @ A3

01020304050m


1 : 500 @ A1    1 : 1000 @ A3

Client



Scales 1 : 100 V 1 : 500 H	Drawn	LM
	Designed	LM
	Checked	AT
Grid MGA2020	Approved	AT
Height Datum AHD		
 <small>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</small>		

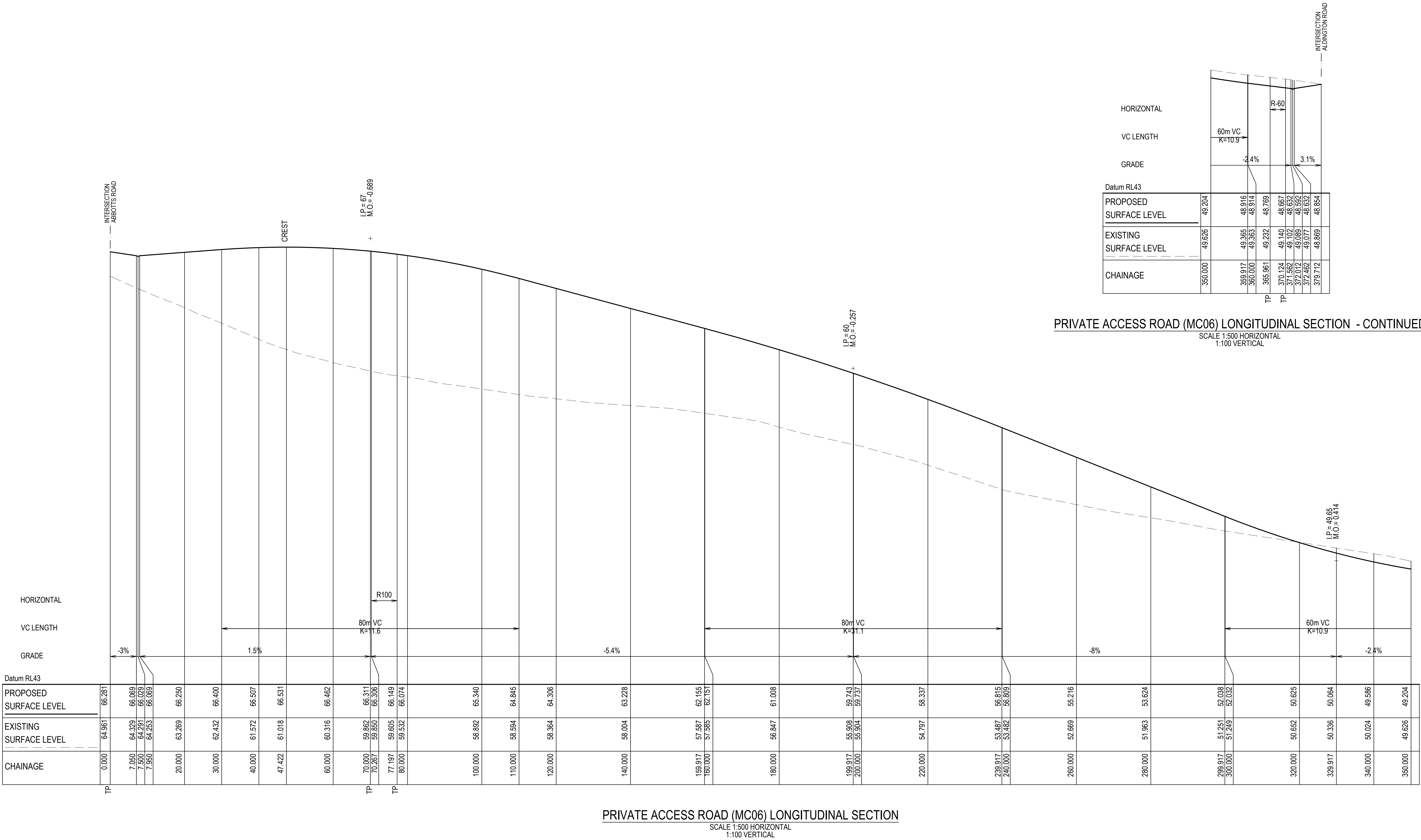
Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ABBOTTS ROAD (MC01) LONGITUDINAL SECTION SHEET 1

Civil Engineers and Project Managers	
	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	20-748-C5050
Issue	D

100mm on Original

F:\20-748 ESR Mamre\6.0 Drgs\Civil\Final\SSDA\5000\_INFRASTRUCTURE\_STAGE\_2\_SSDA\20-748-C5050.dwg



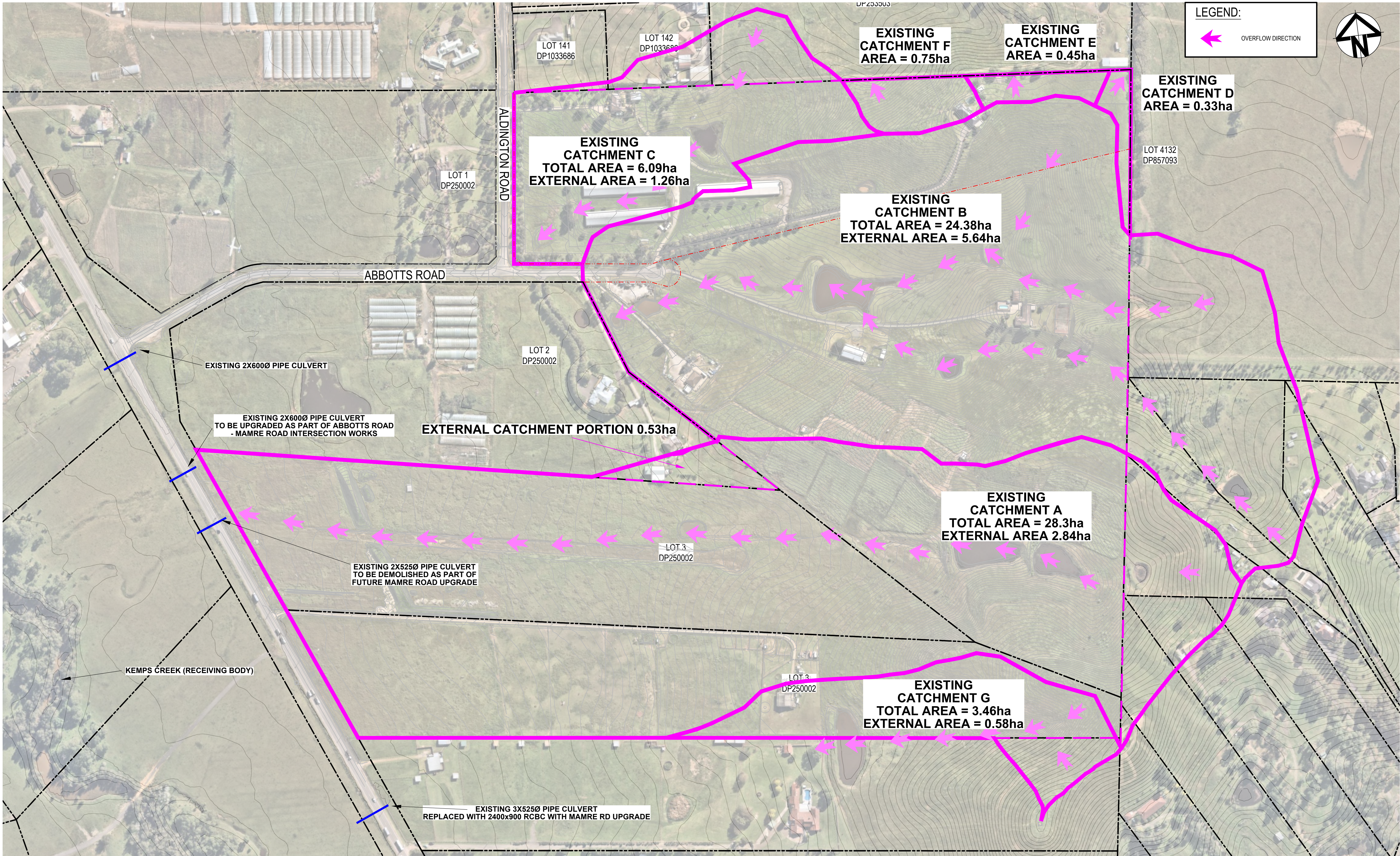


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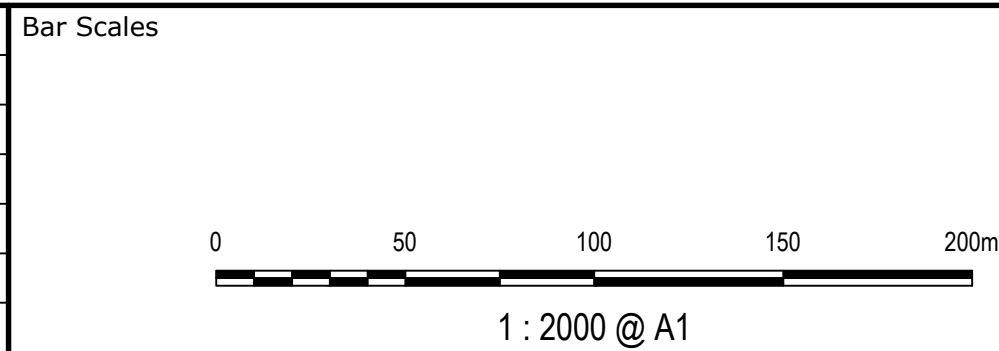


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D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client



Scales  
1 : 2000

Grid  
MGA2020

Height Datum  
AHD

Drawn  
LM

Designed  
LM

Checked  
AT

Approved  
AT

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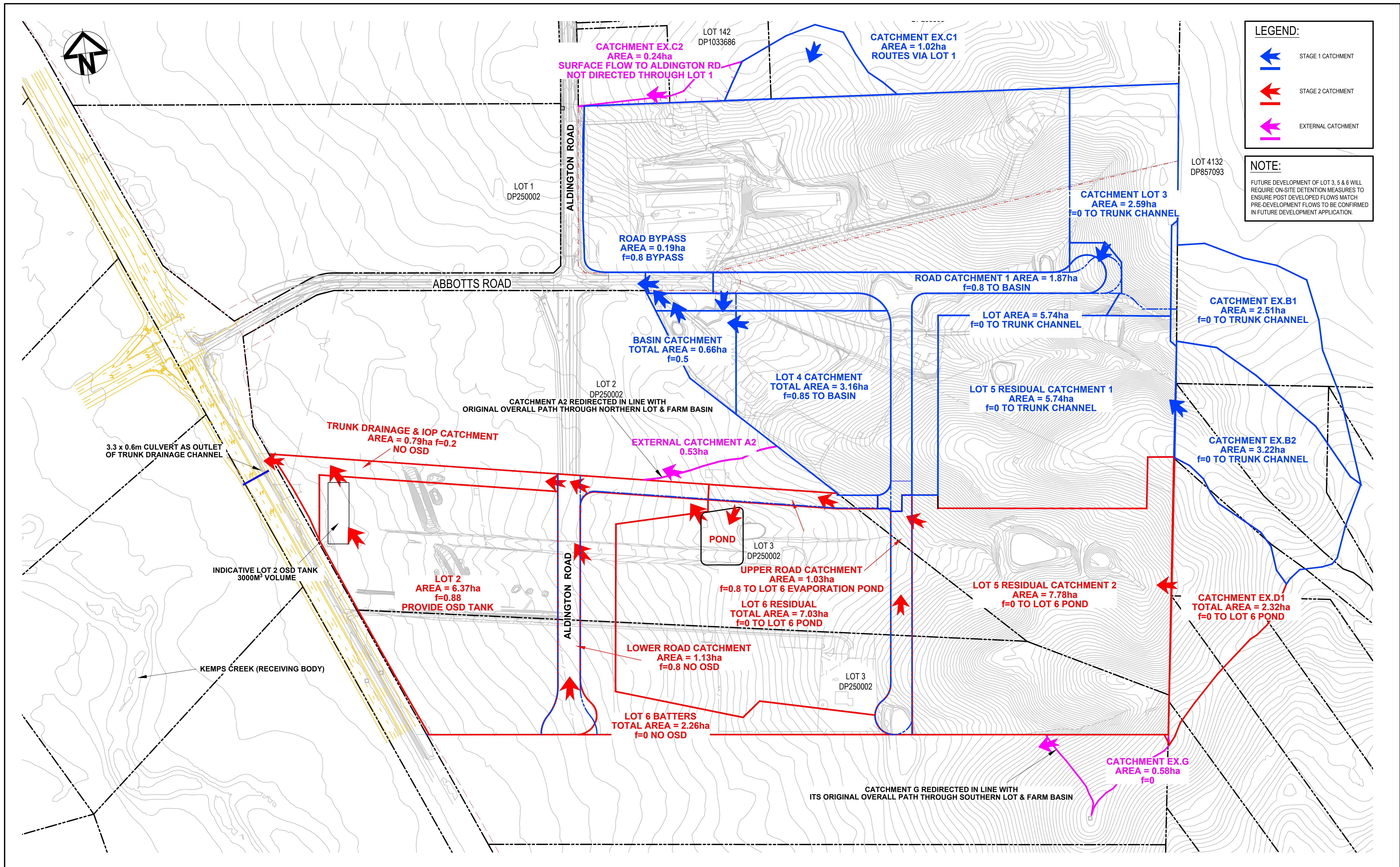
Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)**

Civil Engineers and Project Managers  
**at&l**  
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

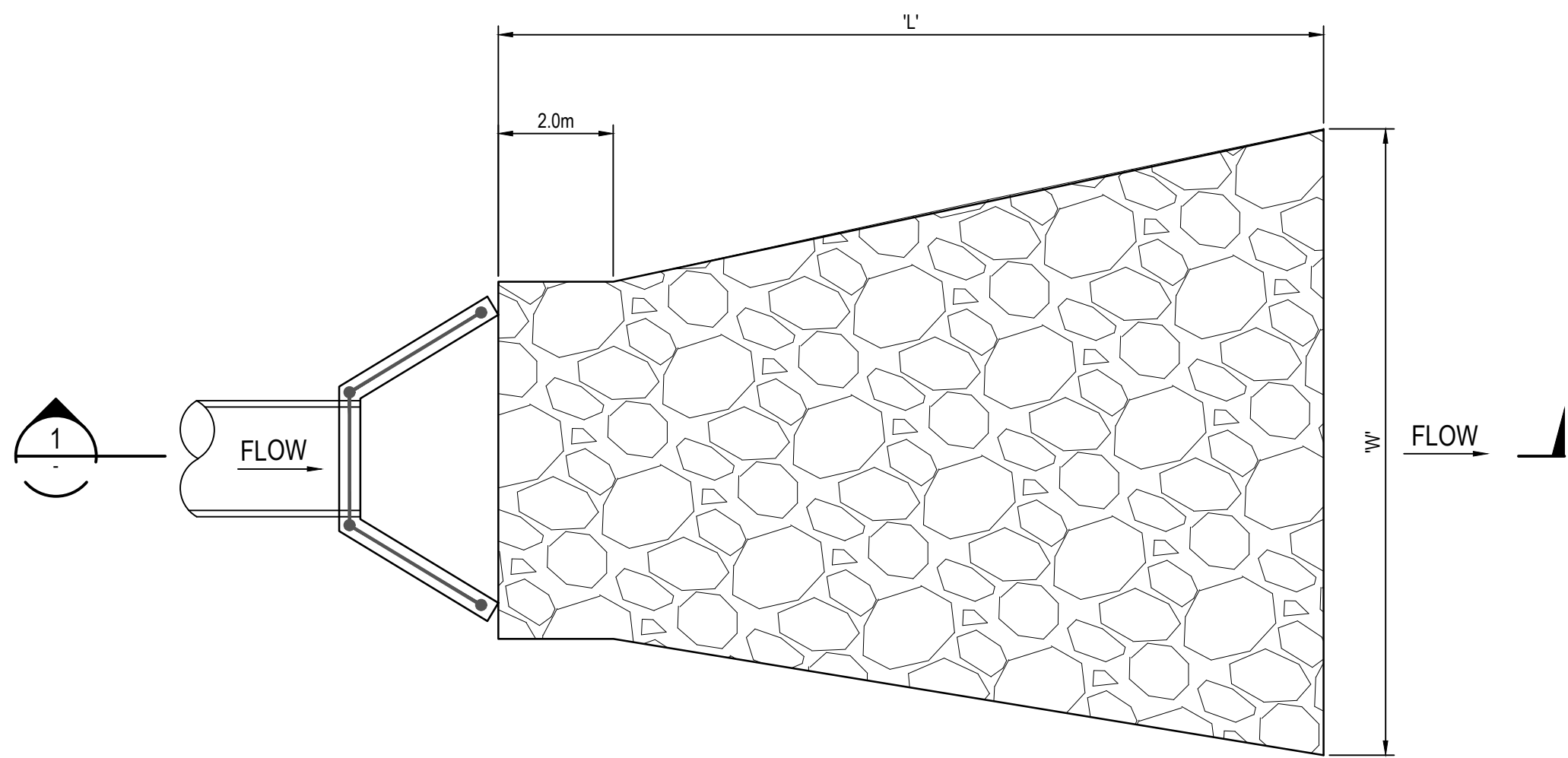
Status  
**FOR APPROVAL**  
**NOT TO BE USED FOR CONSTRUCTION**  
Project - Drawing No.  
**20-748-C5061**  
Issue  
**D**



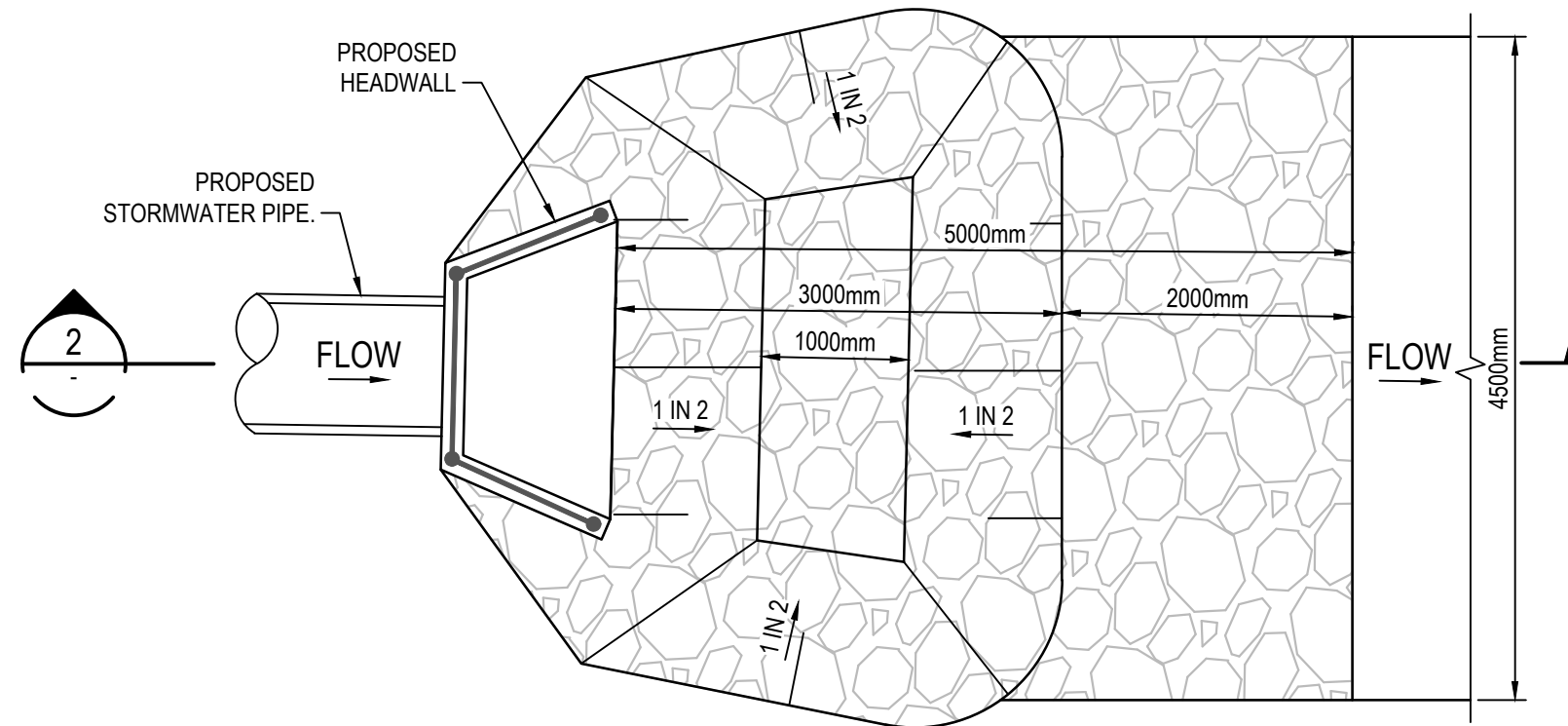


			Bar Scales <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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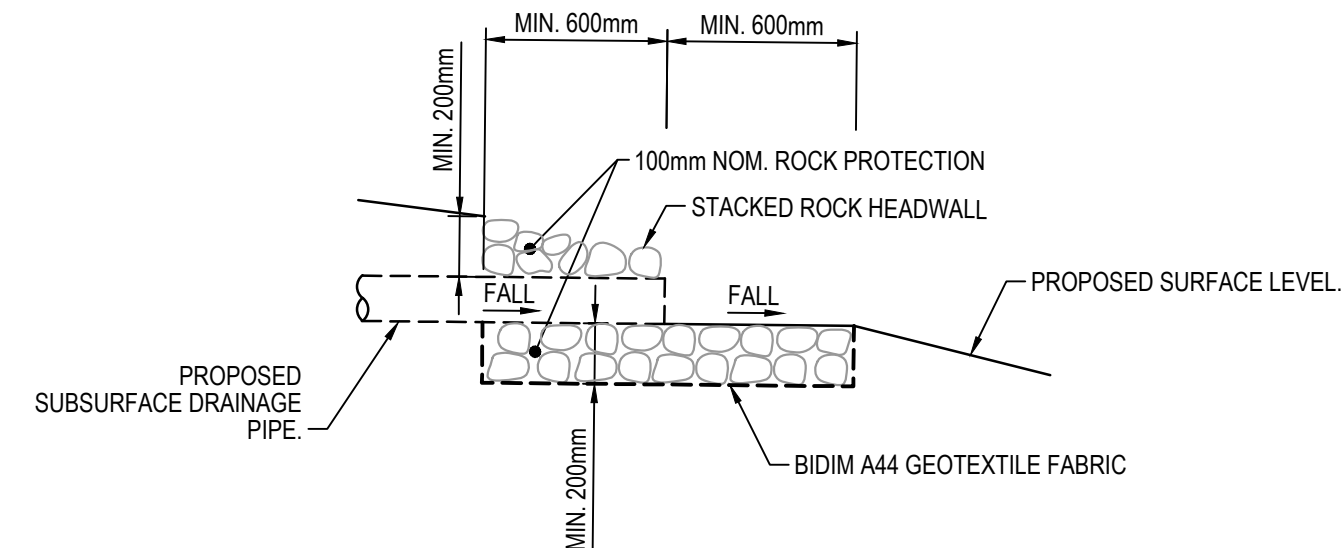




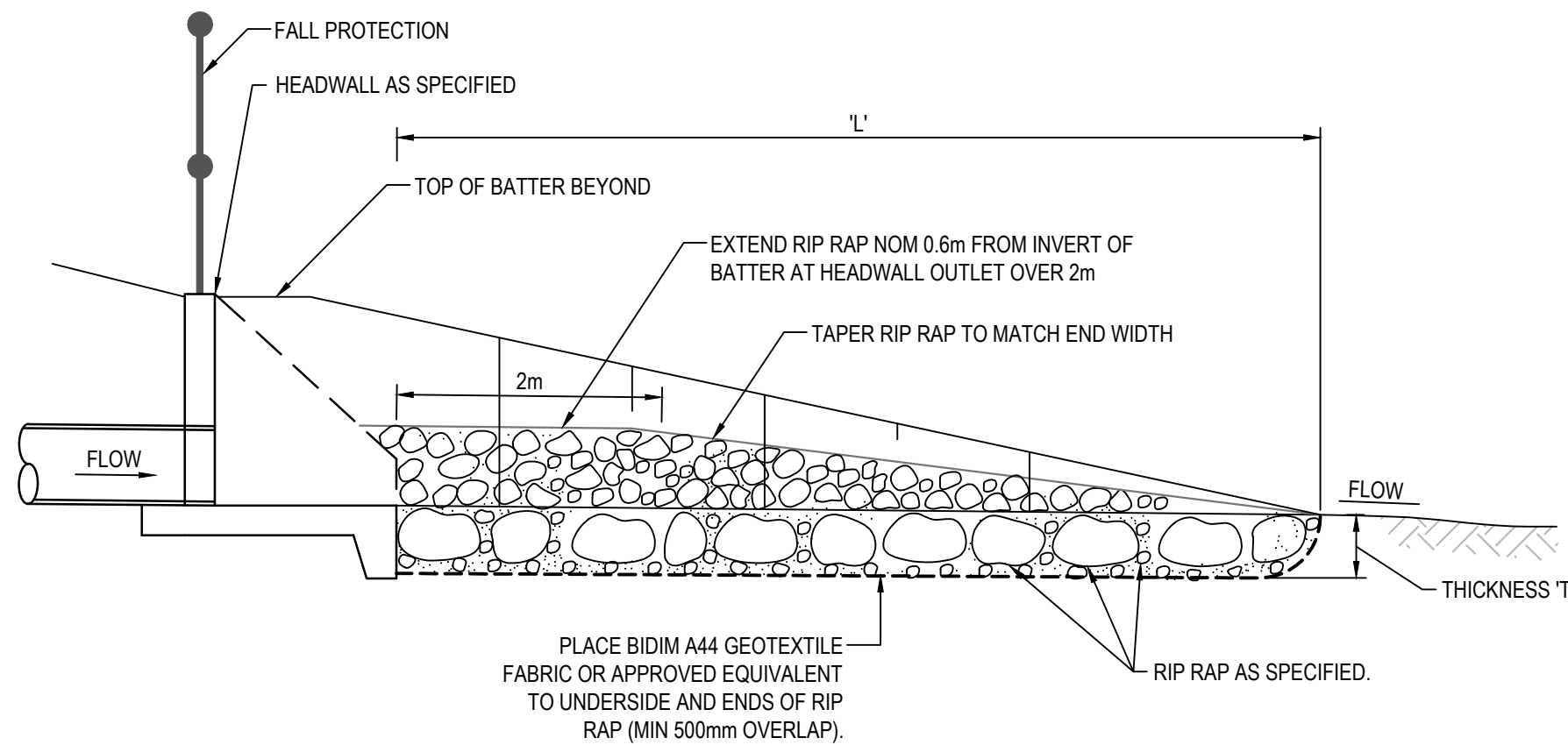
**RIP RAP OUTLET PROTECTION**  
**TYPE 1 DETAIL**  
 1 : 100



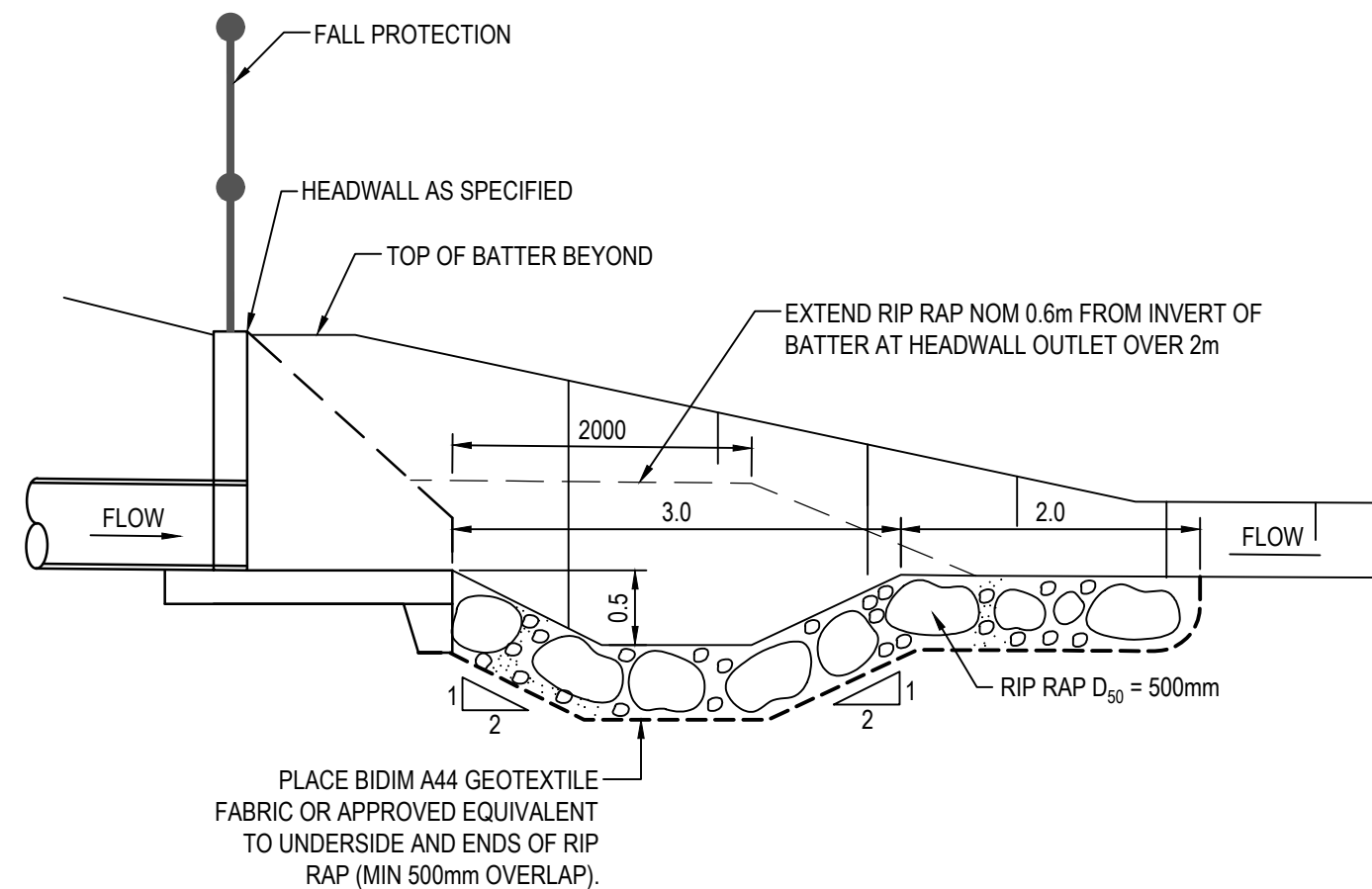
**RIP RAP ENERGY DISSIPATER**  
**DETAIL**  
 1 : 50



**SUBSURFACE DRAINAGE TAILOUT DETAIL**  
 1 : 25



**SECTION 1**  
 NTS



**SECTION 2**  
 NTS

ROCK SIZE (mm)	d <sub>50</sub>					ROCK DISTRIBUTION BY %
	200mm	300mm	400mm	500mm	600mm	
400	600	750	850	900		15-25%
300	400	525	600	750		20%
200	300	400	500	600		50%
75	100	150	150	200		15-25%

**ROCK GRADATION TABLE**

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

Bar Scales	
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Client	
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Scales	AS SHOWN	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
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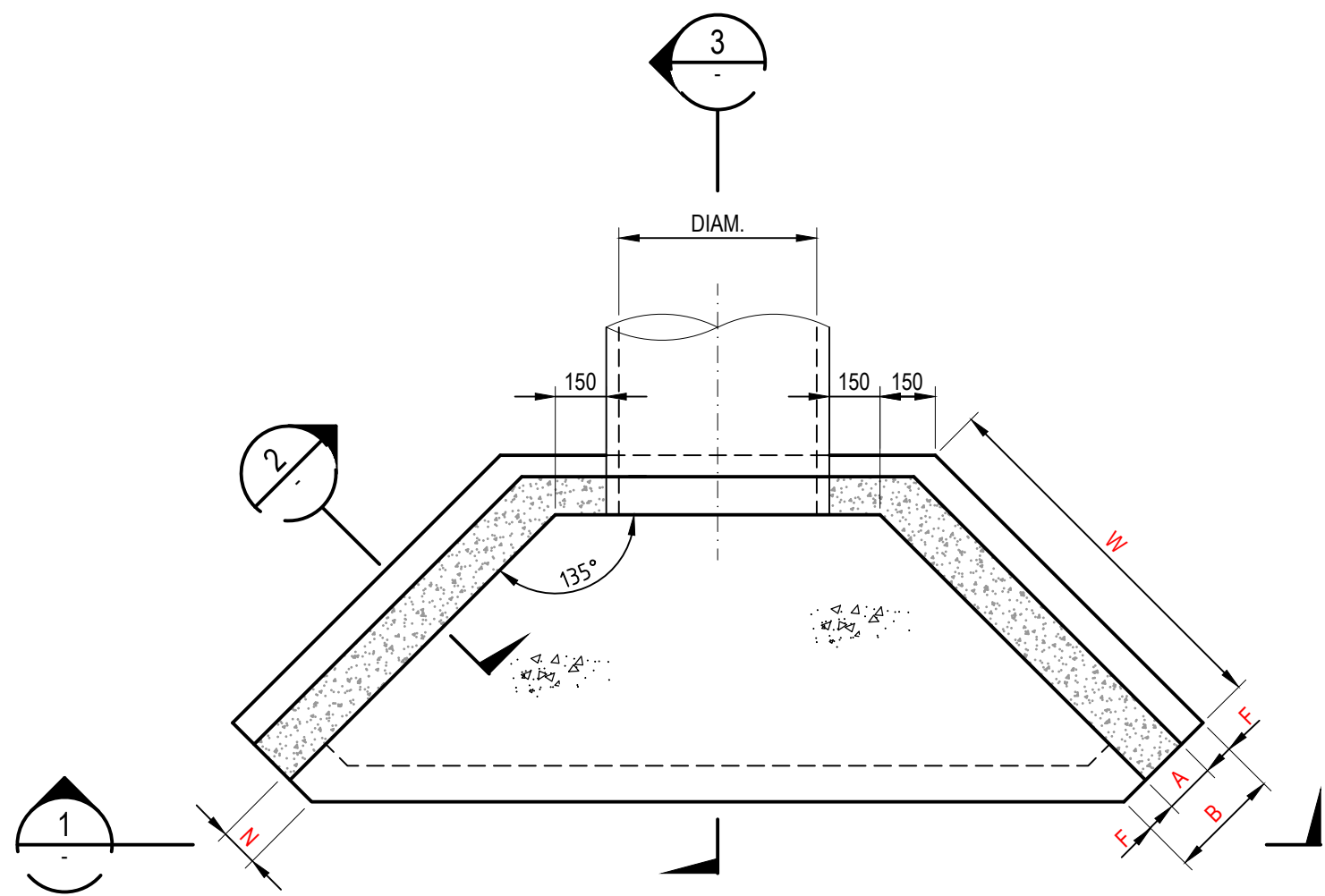
Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	STORMWATER DRAINAGE DETAILS SHEET 1

Civil Engineers and Project Managers	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	20-748-C5071
Issue	D

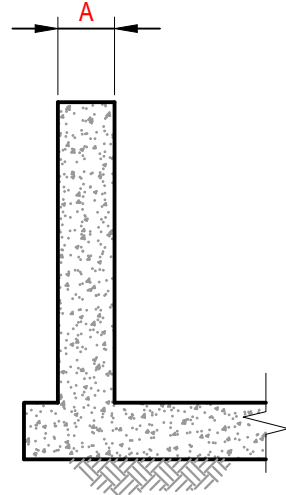




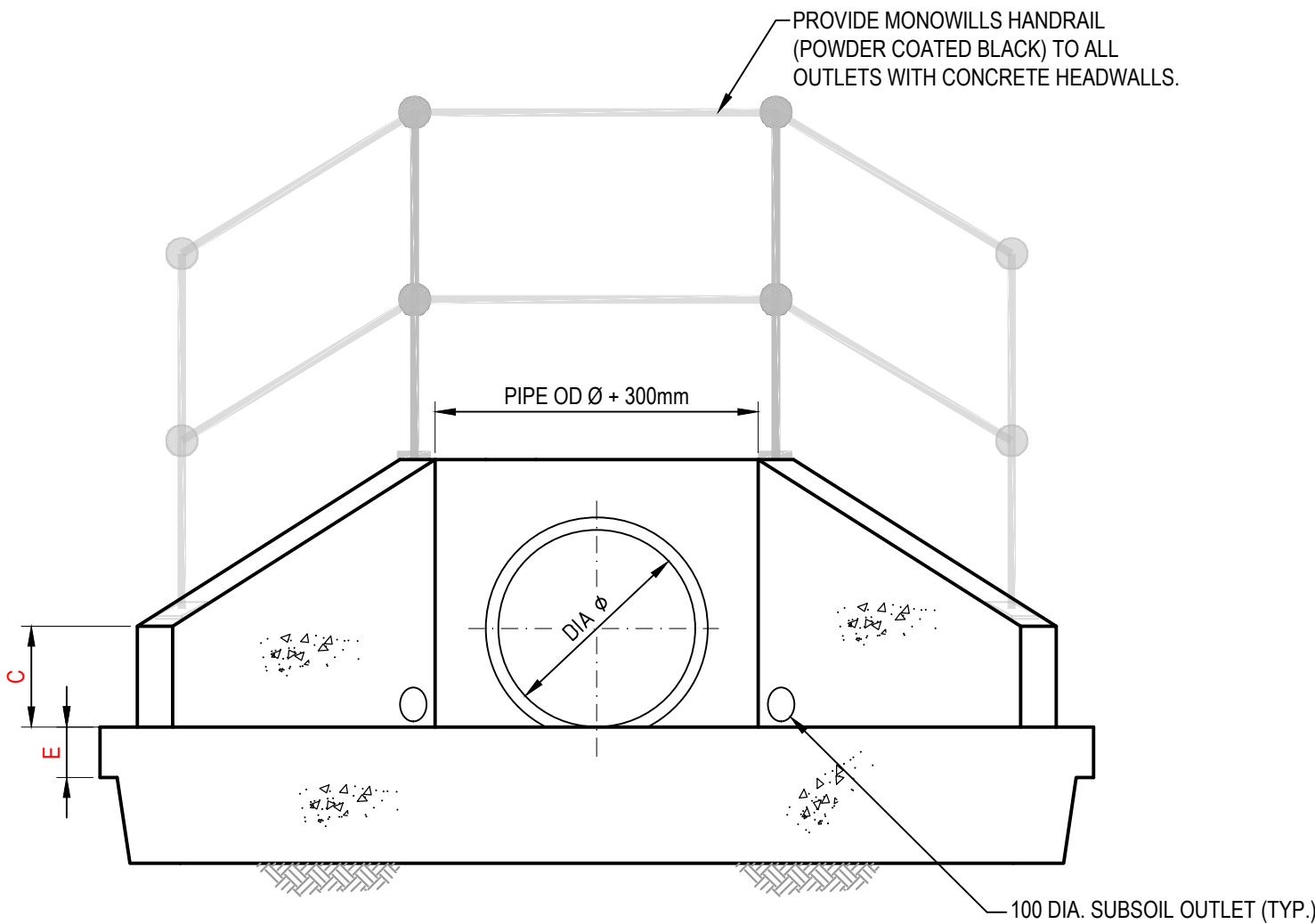




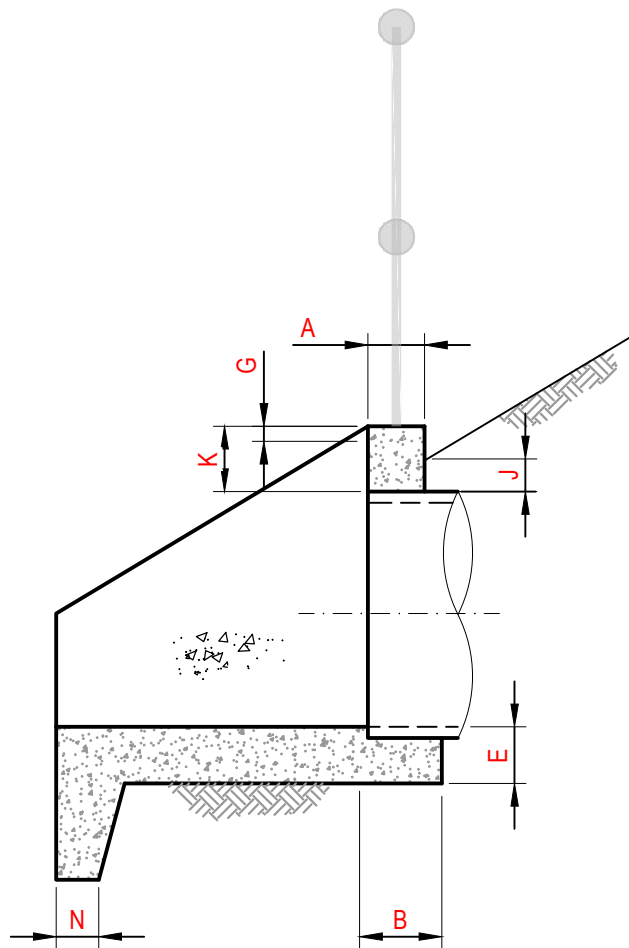
HEADWALL TYPE "A"  
PLAN



SECTION 2  
SCALE 1 : 20



SECTION 1  
SCALE 1 : 20



SECTION 3  
SCALE 1 : 20

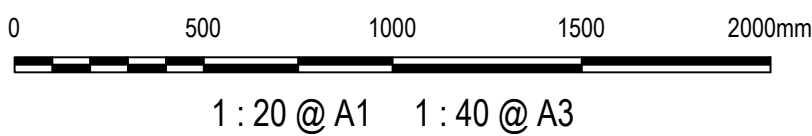
HEADWALL TYPE "A" - SINGLE PIPE

PIPE DIAMETER	300	375	450	525	600	675	750	825	900	1050	1200	1350	1500	1650	1800
A	150	150	150	175	175	175	200	200	225	225	225	250	250	250	250
B	300	300	300	375	375	375	450	450	525	525	525	550	550	550	550
C	300	300	300	300	350	350	350	350	350	350	350	350	350	350	350
D	375	375	375	375	530	530	530	530	530	530	530	530	530	530	530
E	150	150	150	150	175	175	200	200	225	225	225	225	225	225	225
F	75	75	75	100	100	100	125	125	150	150	150	150	150	150	150
G	40	40	40	40	50	50	50	50	50	50	50	50	50	50	50
J	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
K	200	200	200	200	300	300	300	300	300	300	300	300	300	300	300
N	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
W	700	700	850	1000	1100	1300	1450	1600	1750	1950	2200	2500	2700	2800	2900

- NOTES
- COMPRESSIVE STRENGTH (F<sub>c</sub>) FOR CAST-IN-SITU CONCRETE TO BE A MINIMUM OF 32mPa AT 28 DAYS.
  - 25mm CHAMFER ON ALL EXPOSED SURFACES.
  - CONTRACTOR TO DESIGN AND PROVIDE STRUCTURAL CERTIFICATE FOR ALL PITS / END STRUCTURES UNLESS ADAPTING PENRITH CITY COUNCIL STANDARD DETAILS WHERE APPLICABLE.
  - ANTI GRAFFITI PAINT TO BE APPLIED TO FACE OF ALL HEADWALLS

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

Bar Scales



Client



Scales

AS SHOWN

Drawn

LM

Designed

LM

Grid

MGA2020

Checked

AT

Height Datum

AHD

Approved

AT

**GDA2020**

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Project

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title

STORMWATER DRAINAGE DETAILS SHEET 3

Civil Engineers and Project Managers



Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

20-748-C5073

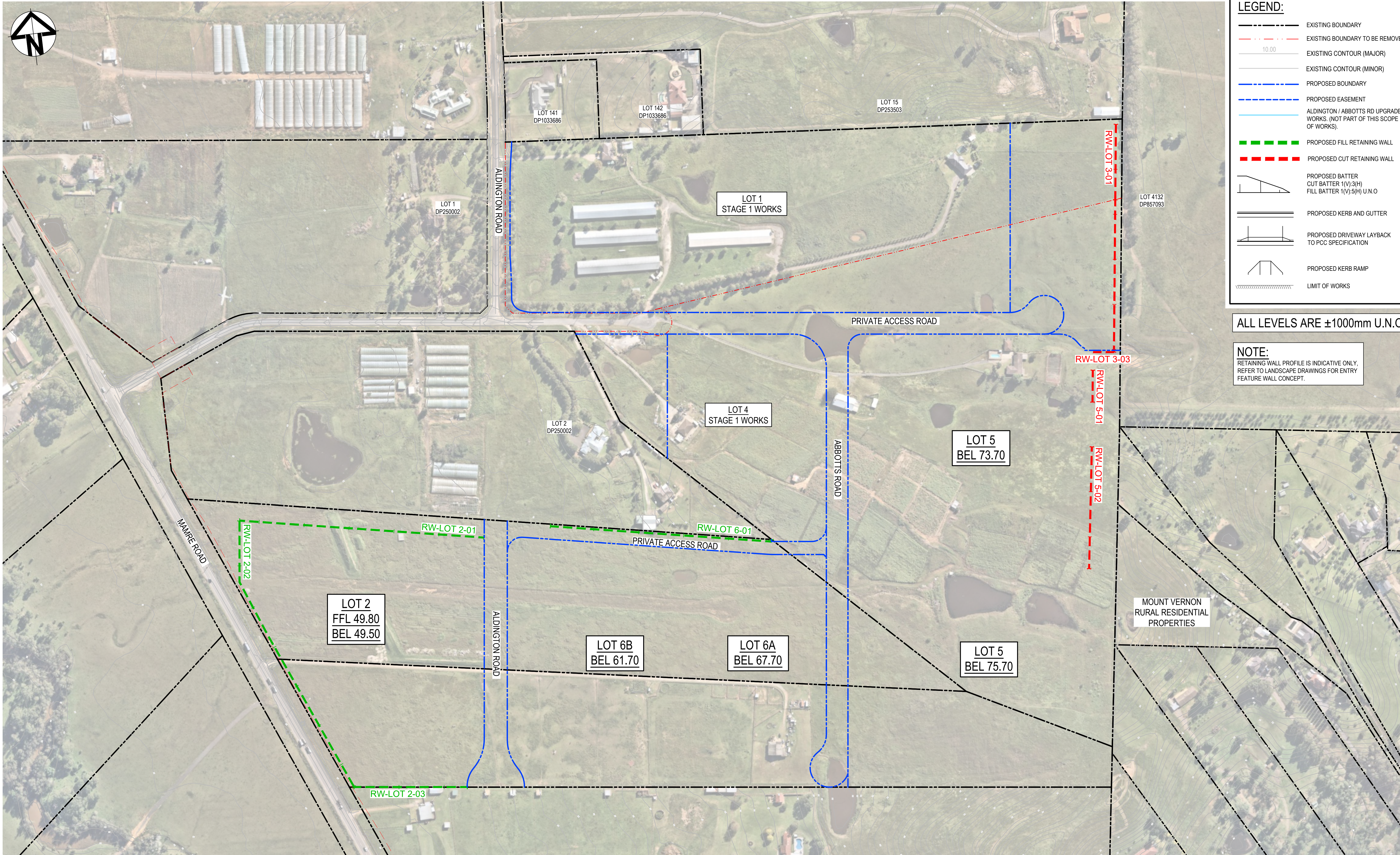
Issue

A1

Issue

D





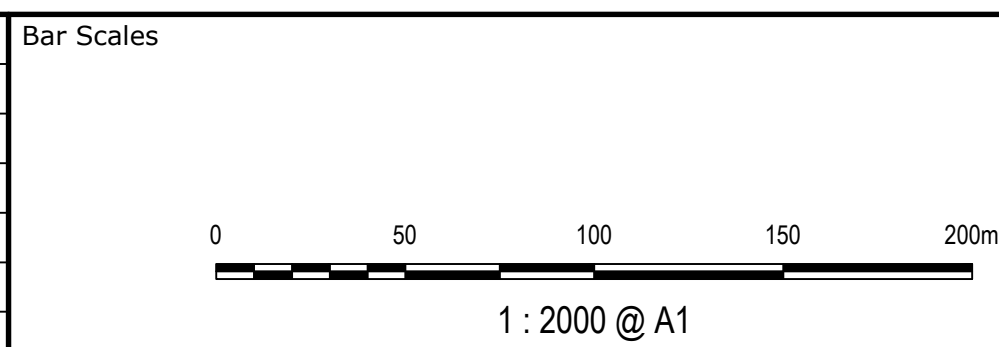
**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- PROPOSED FILL RETAINING WALL
- PROPOSED CUT RETAINING WALL
- PROPOSED BATTER  
CUT BATTER 1(V):3(H)  
FILL BATTER 1(V):5(H) U.N.O
- PROPOSED KERB AND GUTTER
- PROPOSED DRIVEWAY LAYBACK TO PCC SPECIFICATION
- PROPOSED KERB RAMP
- LIMIT OF WORKS

ALL LEVELS ARE ±1000mm U.N.O

**NOTE:**  
RETAINING WALL PROFILE IS INDICATIVE ONLY.  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client

Scales  
1 : 2000

Grid  
MGA2020

Height Datum  
AHD

Drawn  
LM

Designed  
LM

Checked  
AT

Approved  
AT

GDA2020

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Project  
PROPOSED INDUSTRIAL DEVELOPMENT  
WESTLINK  
KEMPS CREEK

Title  
RETAINING WALL  
GENERAL ARRANGEMENT  
PLAN

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

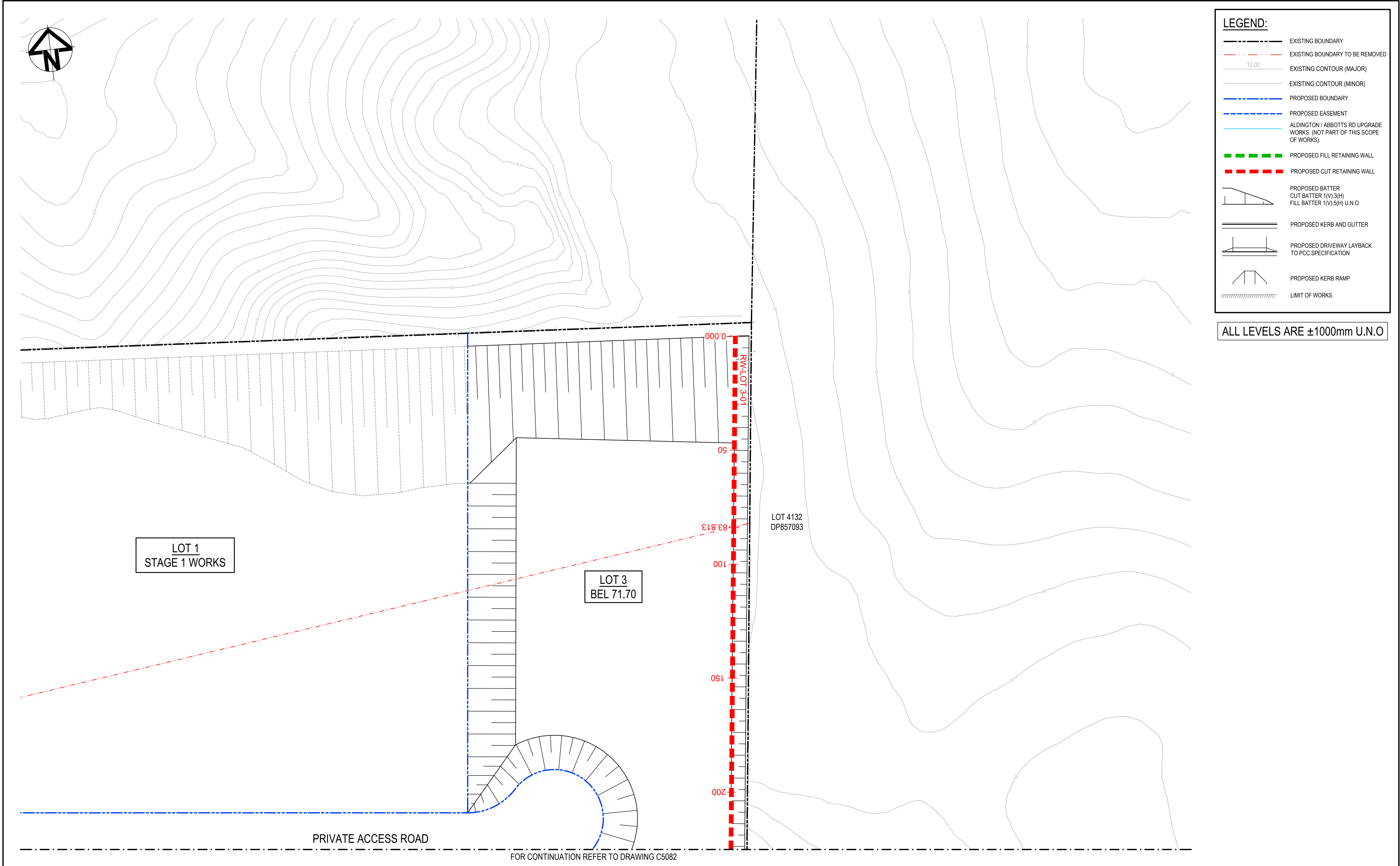
Status  
FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.  
20-748-C5080

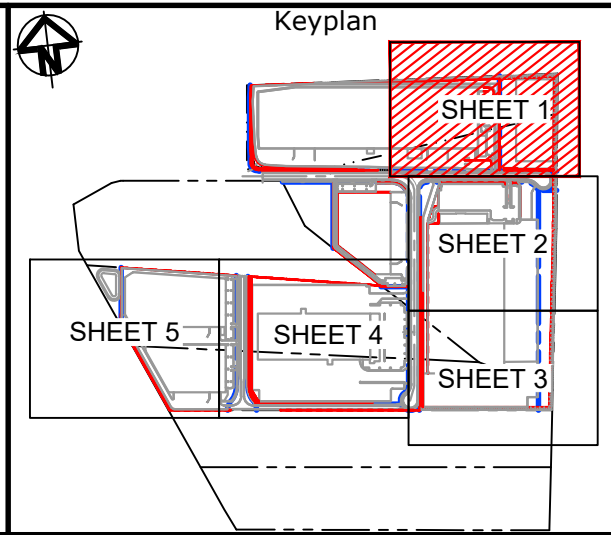
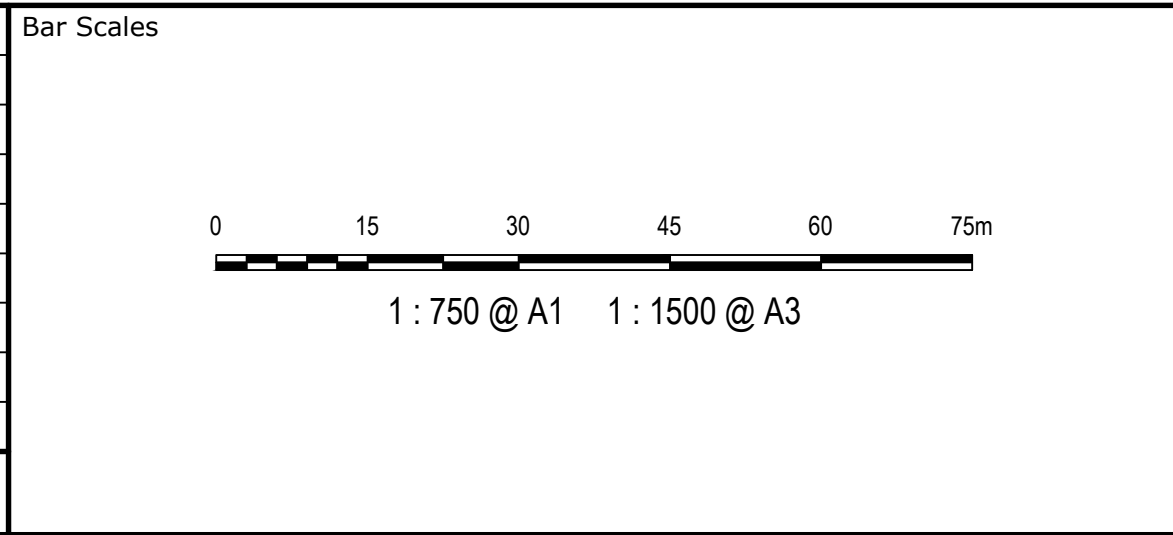
Issue  
D

A1





D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

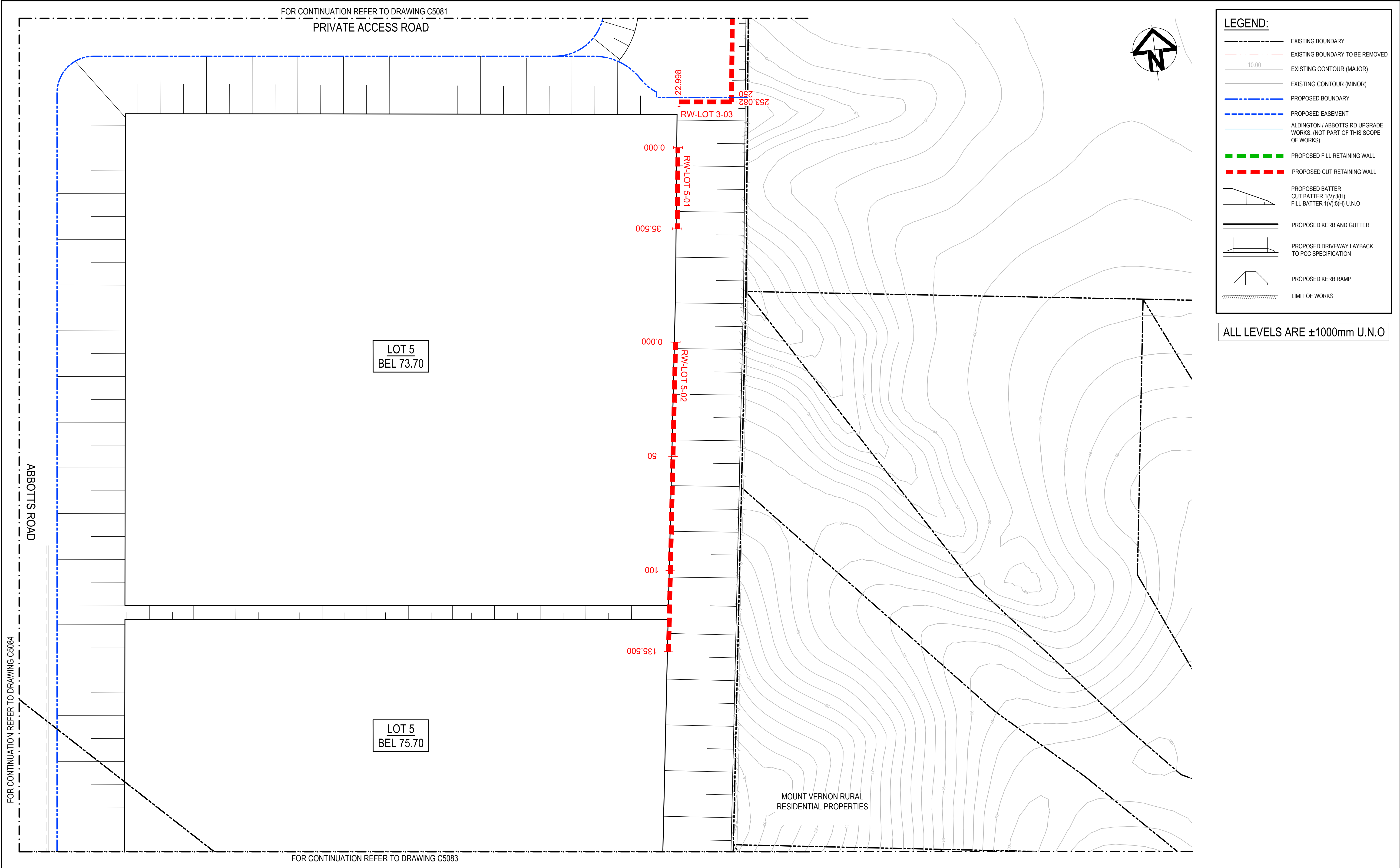


Scales	1 : 750	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 1

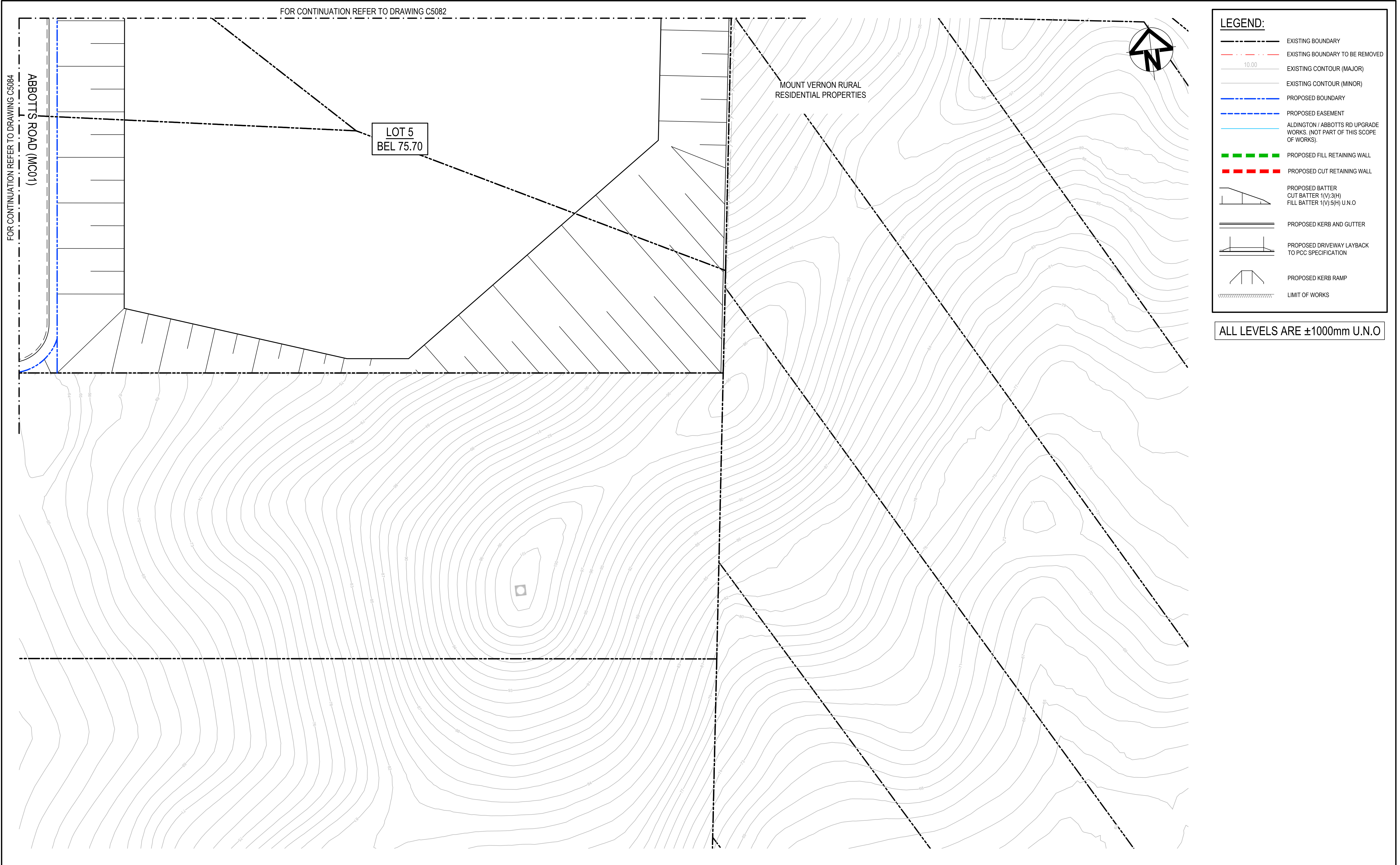
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5081	Issue D





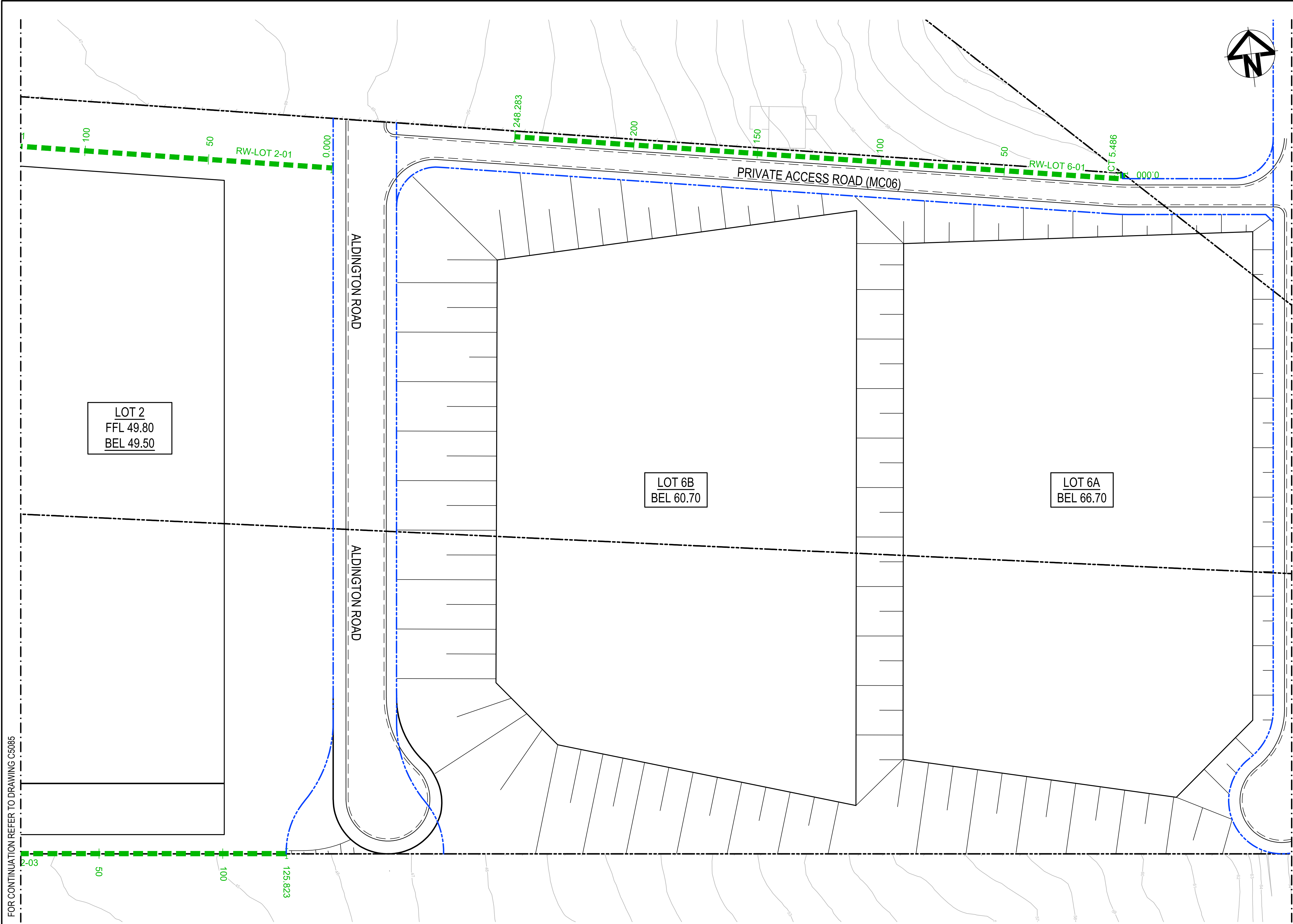
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													Grid	MGA2020	Checked
			1 : 750 @ A1    1 : 1500 @ A3					Height Datum	AHD	Approved	AT	RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 2			
											Project - Drawing No.	20-748-C5082	Issue	D	
								THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L							





			Bar Scales			Client	Scales		Drawn		Project	Civil Engineers and Project Managers		
								1 : 750	LM			Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
							Grid	MGA2020	Checked	LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		
							Height Datum	AHD	Approved	AT				
											Title	RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 3		
							THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L							
											Status	FOR APPROVAL		A1
												NOT TO BE USED FOR CONSTRUCTION		
											Project - Drawing No.		Issue	
											20-748-C5083			D





**LEGEND:**

EXISTING BOUNDARY

EXISTING BOUNDARY TO BE REMOVED

10.00

EXISTING CONTOUR (MAJOR)

EXISTING CONTOUR (MINOR)

PROPOSED BOUNDARY

PROPOSED EASEMENT

ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).

PROPOSED FILL RETAINING WALL

PROPOSED CUT RETAINING WALL

PROPOSED BATTER  
CUT BATTER 1(V):3(H)  
FILL BATTER 1(V):5(H) U.N.O

PROPOSED KERB AND GUTTER

PROPOSED DRIVEWAY LAYBACK TO PCC SPECIFICATION

PROPOSED KERB RAMP

LIMIT OF WORKS

ALL LEVELS ARE ±1000mm U.N.O

FOR CONTINUATION REFER TO DRAWING C5085

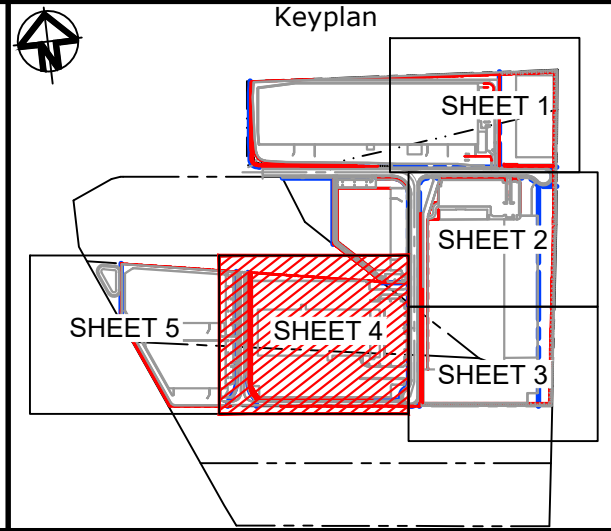
FOR CONTINUATION REFER TO DRAWING C5082 & C5083

E	ISSUED FOR DEVELOPMENT APPLICATION	11-10-23
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

Bar Scales

01530456075m

1 : 750 @ A1    1 : 1500 @ A3



Client

Scales1 : 750

GridMGA2020

Height DatumAHD

DrawnLM

DesignedLM

CheckedAT

ApprovedAT

GDA2020

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Project

PROPOSED INDUSTRIAL DEVELOPMENT  
WESTLINK  
KEMPS CREEK

Title

RETAINING WALL  
GENERAL ARRANGEMENT  
PLAN  
SHEET 4

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

A1

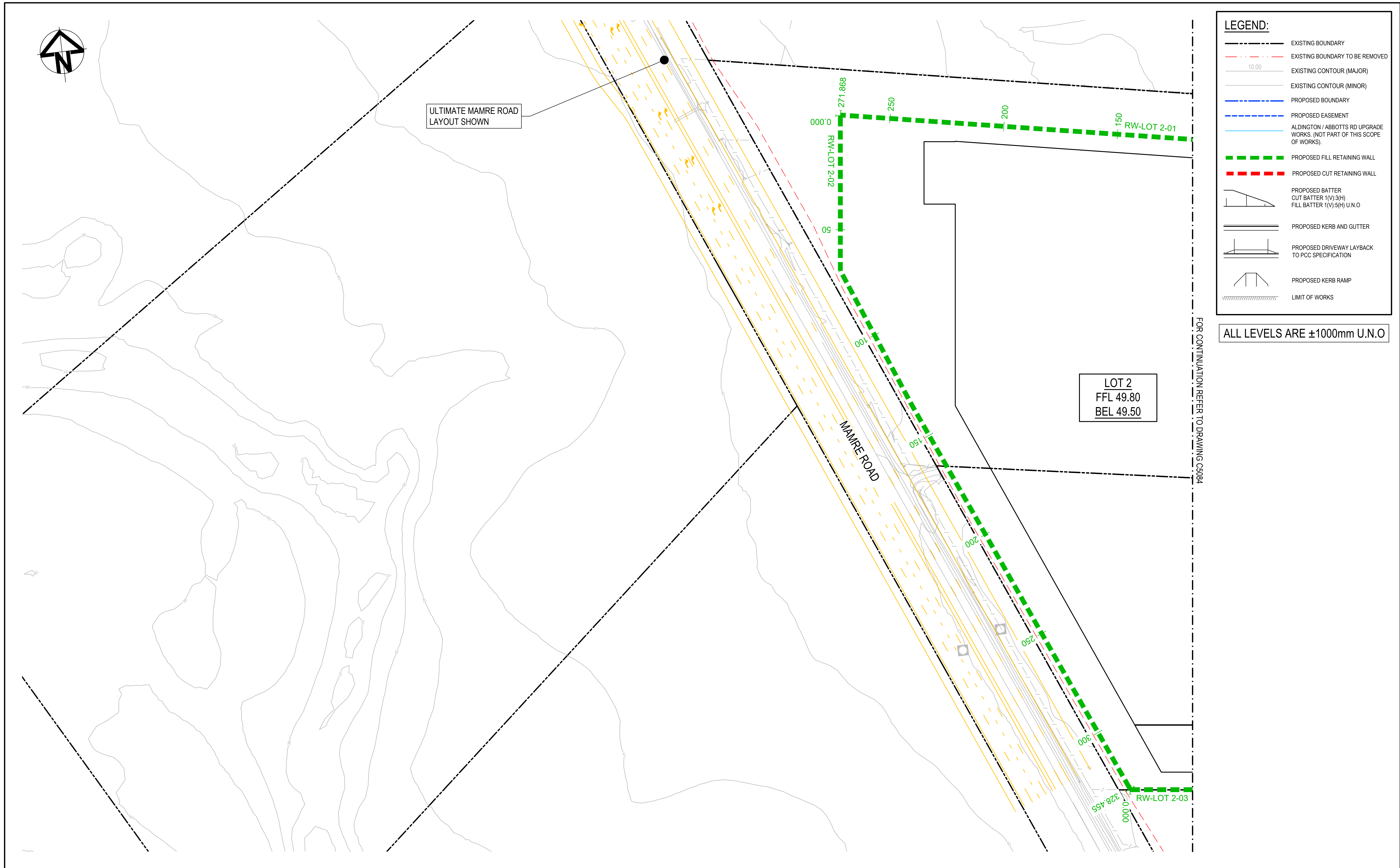
Project - Drawing No.

20-748-C5084

Issue

E



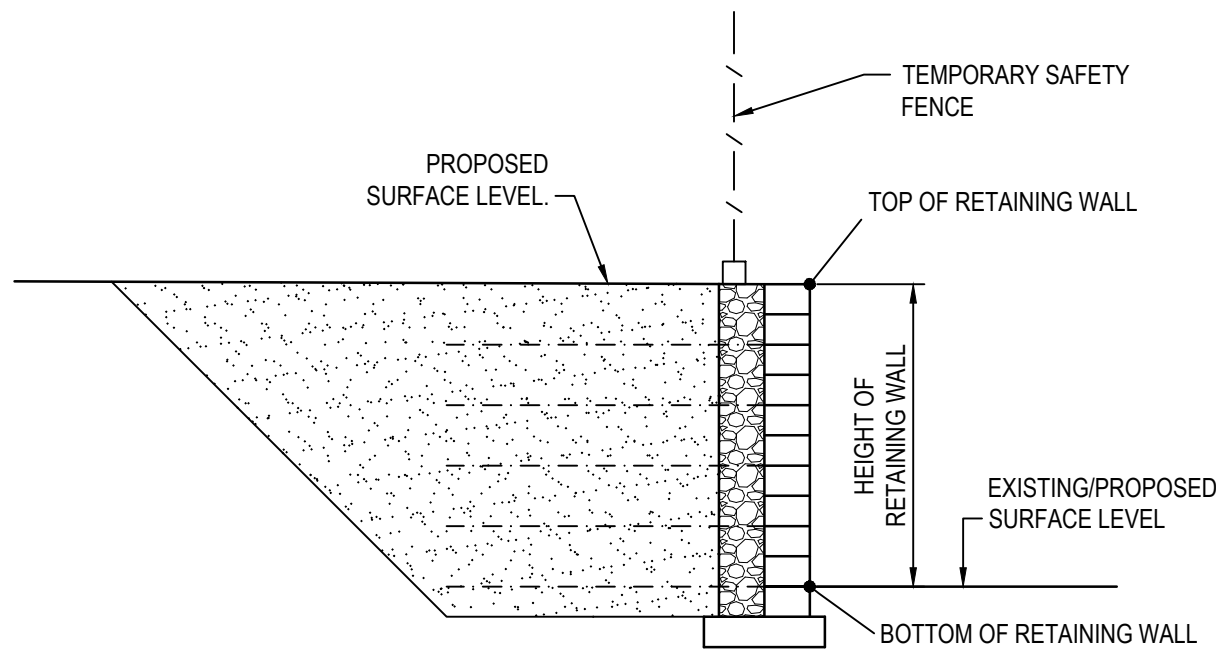


<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>D</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>27-09-23</td></tr><tr><td>C</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>12-09-23</td></tr><tr><td>B</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>23-02-23</td></tr><tr><td>A</td><td>ISSUED FOR DEVELOPMENT APPLICATION</td><td>25-10-22</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>														D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23	A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22	Issue	Description	Date	<p>Bar Scales</p> <p>0 15 30 45 60 75m</p> <p>1 : 750 @ A1 1 : 1500 @ A3</p>		<p>Keyplan</p>		<p>Client</p>		<table><tr><td rowspan="3">Scales</td><td>1 : 750</td><td>Drawn</td><td>LM</td></tr><tr><td></td><td>Designed</td><td>LM</td></tr><tr><td>Grid</td><td>MGA2020</td><td>Checked</td><td>AT</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td>AT</td></tr></table> <p>GDA2020</p> <p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</p>		Scales	1 : 750	Drawn	LM		Designed	LM	Grid	MGA2020	Checked	AT	Height Datum	AHD	Approved	AT	<table><tr><td>Project</td><td>PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK</td></tr><tr><td>Title</td><td>RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 5</td></tr></table>		Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Title	RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 5	<p>Civil Engineers and Project Managers</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p> <table><tr><td>Status</td><td>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</td><td>A1</td></tr><tr><td>Project - Drawing No.</td><td>20-748-C5085</td><td>Issue</td><td>D</td></tr></table>		Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1	Project - Drawing No.	20-748-C5085	Issue	D
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23																																																																
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23																																																																
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23																																																																
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22																																																																
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Scales	1 : 750	Drawn	LM																																																															
		Designed	LM																																																															
	Grid	MGA2020	Checked	AT																																																														
Height Datum	AHD	Approved	AT																																																															
Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK																																																																	
Title	RETAINING WALL GENERAL ARRANGEMENT PLAN SHEET 5																																																																	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1																																																																
Project - Drawing No.	20-748-C5085	Issue	D																																																															



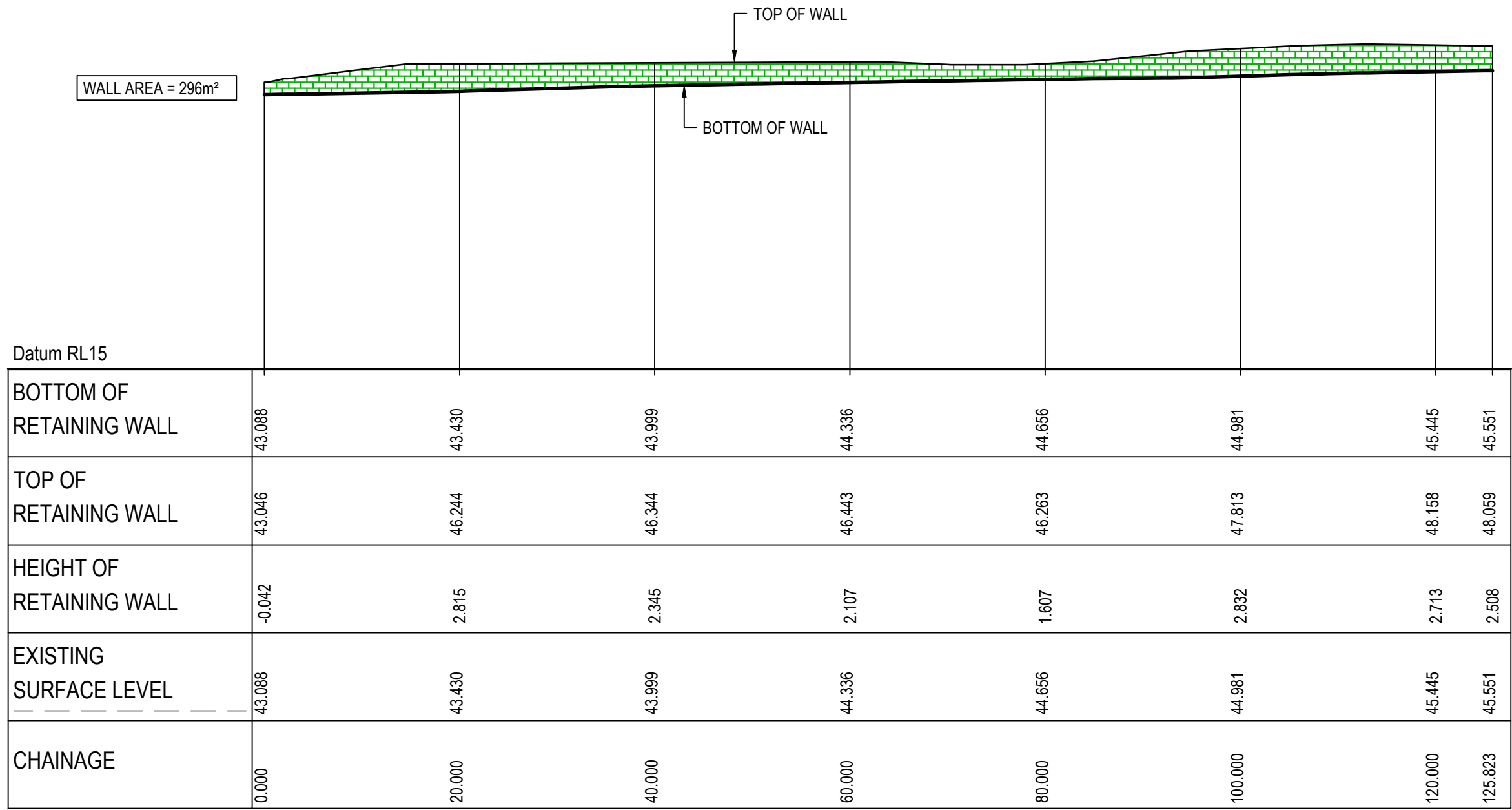
NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS

NOTE:  
RETAINING WALL PROFILE IS INDICATIVE ONLY.  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.



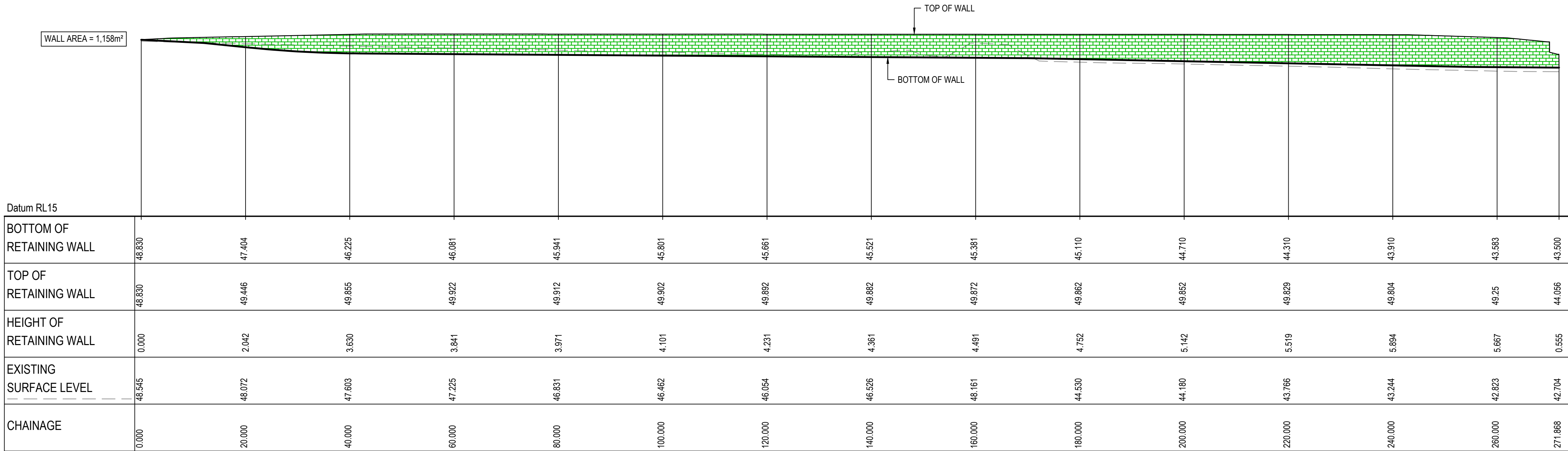
RETAINING WALL TYPICAL SETOUT DETAIL

SCALE 1:50



RETAINING WALL (RW-LOT 2-03) PROFILE

SCALE 1:500 HORI.  
1:500 VERT.



RETAINING WALL (RW-LOT 2-01) PROFILE

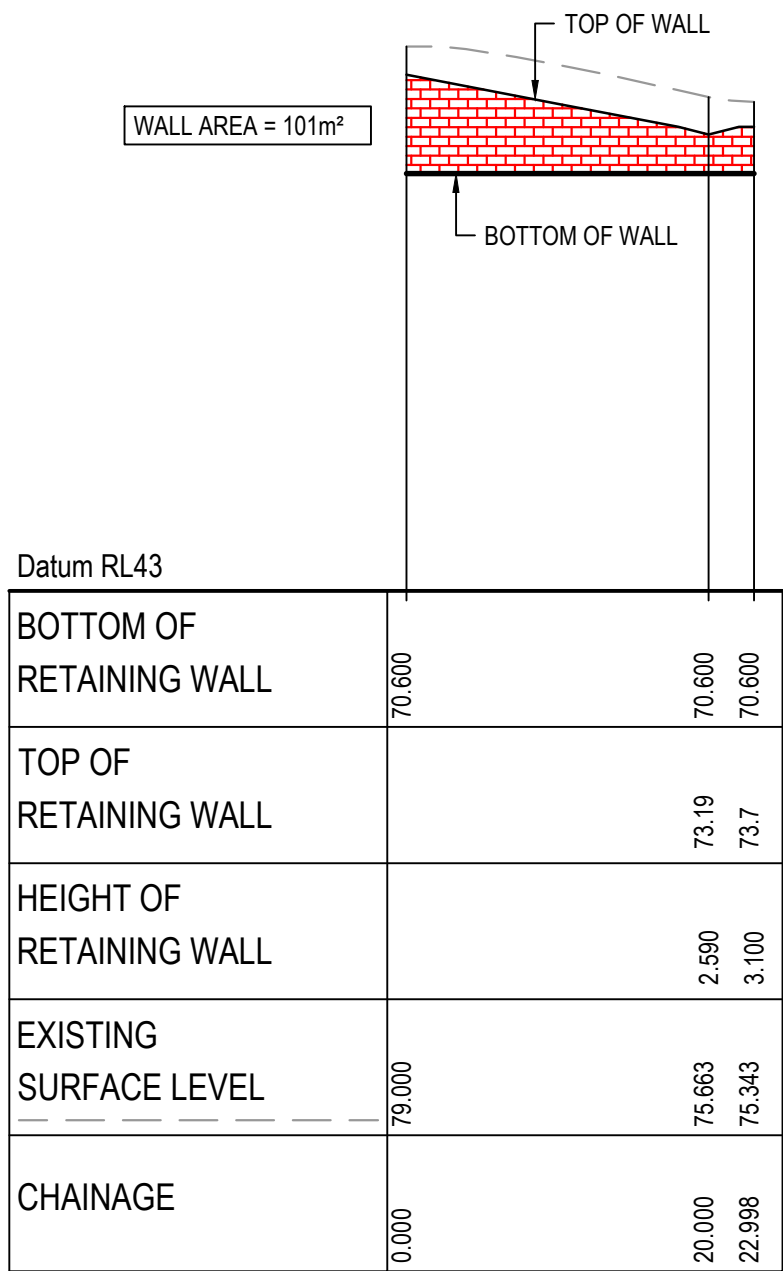
SCALE 1:500 HORI.  
1:500 VERT.

		Bar Scales				Client		<div><div></div><div>ESR</div></div>		<div><div>Scales</div><div>AS SHOWN</div><div>GridMGA2020</div><div>Height DatumAHD</div></div> <div><div>Drawn</div><div>LM</div><div>DesignedLM</div><div>CheckedAT</div><div>ApprovedAT</div></div> <div><div><div>GDA2020</div></div><div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</div></div>		<div><div>Project</div><div>PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK</div><div>Title</div><div>RETAINING WALL PROFILES SHEET 1</div></div>		<div><div>Civil Engineers and Project Managers</div><div><div>at&amp;l</div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div><div><div>Status</div><div>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div><div>Project - Drawing No. 20-748-C5091</div></div><div><div>A1</div><div>Issue</div><div>D</div></div></div>	
		<div><div>01020304050m</div><div>1 : 500 @ A1 1 : 1000 @ A3</div></div> <div><div>012345m</div><div>1 : 50 @ A1 1 : 100 @ A3</div></div>													
D	ISSUED FOR DEVELOPMENT APPLICATION			27-09-23											
C	ISSUED FOR DEVELOPMENT APPLICATION			12-09-23											
B	ISSUED FOR DEVELOPMENT APPLICATION			23-02-23											
A	ISSUED FOR DEVELOPMENT APPLICATION			25-10-22											
Issue	Description			Date											



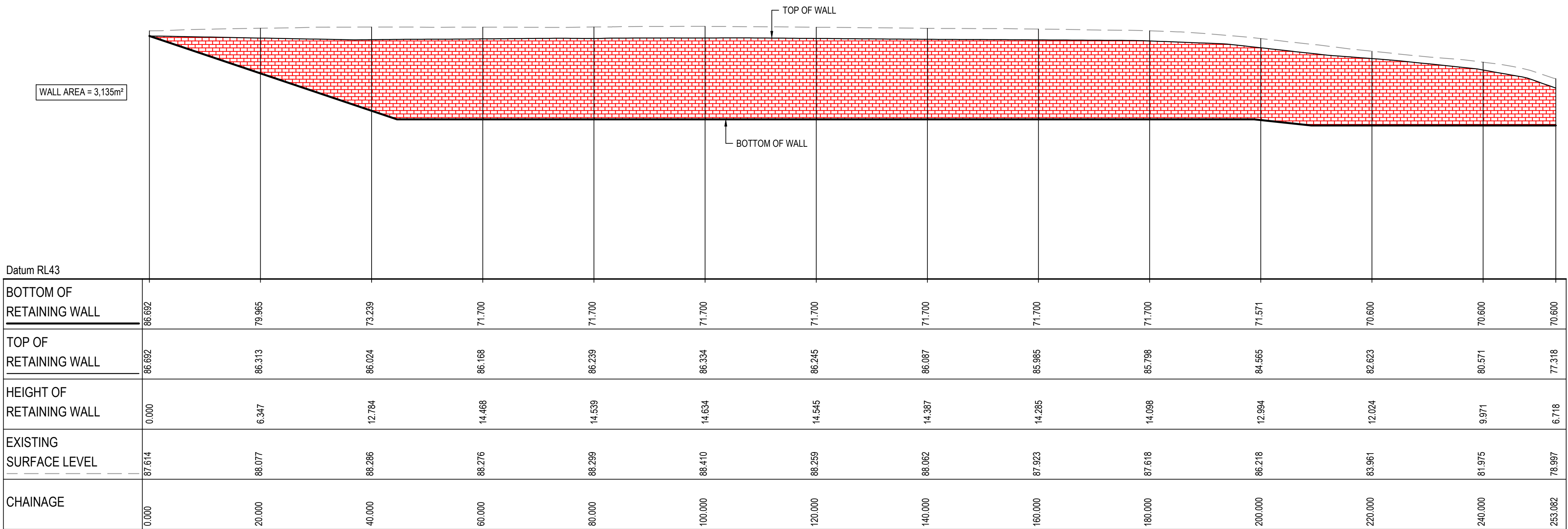
NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS

NOTE:  
RETAINING WALL PROFILE IS INDICATIVE ONLY.  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.







RETAINING WALL (RW-LOT 3-03) PROFILE

SCALE 1:500 HORI.  
1:500 VERT.



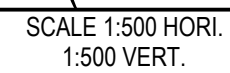
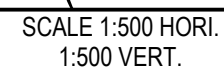
RETAINING WALL (RW-LOT 3-01) PROFILE

SCALE 1:500 HORI.  
1:500 VERT.

			Bar Scales		<div>Client</div> <div></div>	Scales		Drawn	LM	Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Civil Engineers and Project Managers  <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>					
			<div> 1 : 500 @ A1    1 : 1000 @ A3</div>			1 : 500		Designed	LM							
						Grid MGA2020		Checked	AT							
						Height Datum AHD		Approved	AT							
						 THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I		RETAINING WALL PROFILES SHEET 2								
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23								Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1				
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23								Project - Drawing No.		Issue D				
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23								20-748-C5092						
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22														
Issue	Description	Date														



**NOTE:**  
RETAINING WALL PROFILE IS INDICATIVE ONLY,  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.

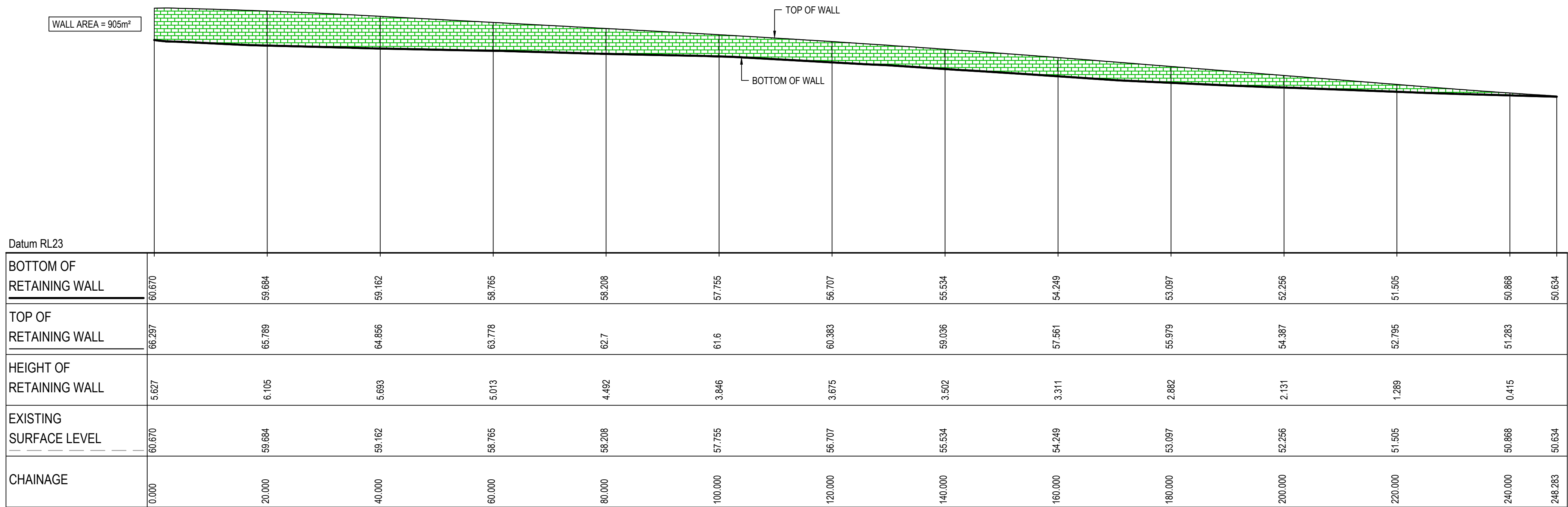


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NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS

NOTE:  
RETAINING WALL PROFILE IS INDICATIVE ONLY.  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.



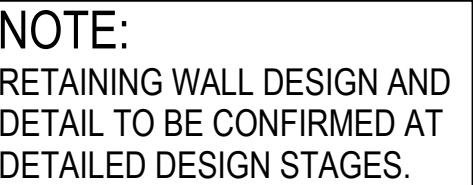
RETAINING WALL RW-LOT 6-01 BTM PROFILE

SCALE 1:500 HORI.  
1:500 VERT.

			Bar Scales		Client	Scales	Drawn	LM	Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Civil Engineers and Project Managers
						1 : 500	Designed	LM			
						Grid	MGA2020	Checked	AT		
						Height Datum	AHD	Approved	AT		
						GDA2020			Title	RETAINING WALL PROFILES SHEET 4	
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	<div>01020304050m</div> <div>1 : 500 @ A1 1 : 1000 @ A3</div>		<div>ESR</div>	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			Status <b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION		at&I Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23									
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23									
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22									
Issue	Description	Date							Project - Drawing No.	20-748-C5094	Issue D

100mm on Original

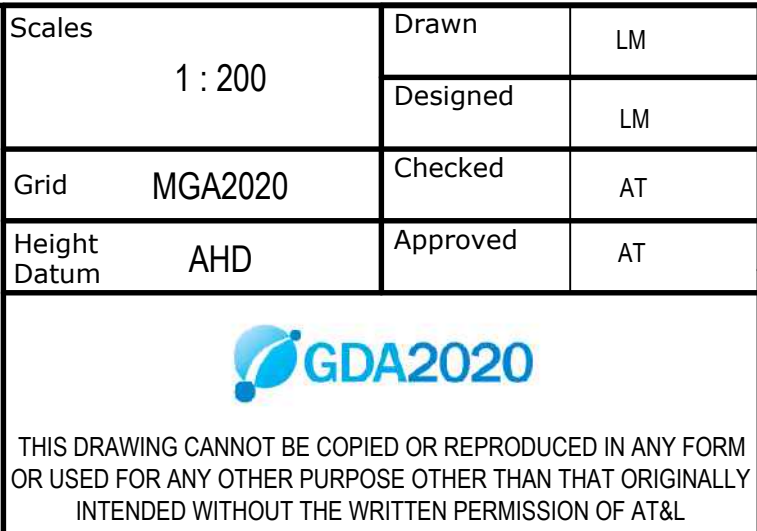





SCALE 1:50



SCALE 1:200 HORI.  
1:200 VERT.





**at&I**

**Civil Engineers and Project Managers**

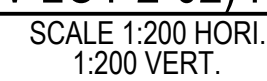
Level 7, 153 Walker Street  
North Sydney NSW 2060

ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
[www.atl.net.au](http://www.atl.net.au)  
[info@atl.net.au](mailto:info@atl.net.au)

Status	<b>FOR APPROVAL</b> <b>NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	20-748-C5101	Issue <div style="font-size: 24px; margin-top: 10px;">D</div>



**NOTE:**  
RETAINING WALL DESIGN AND  
DETAIL TO BE CONFIRMED AT  
DETAILED DESIGN STAGES.



F:\20-748 ESR Mamre\6.0 Drqs\Civil\Final\SSDA\5000 INFRASTRUCTURE STAGE 2 SSDA\20-748-C5102.dwg





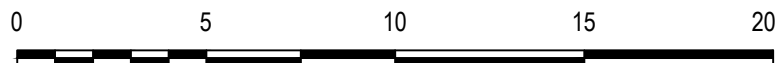

NOTE:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O

NOTE:  
RETAINING WALL DESIGN AND  
DETAIL TO BE CONFIRMED AT  
DETAILED DESIGN STAGES.

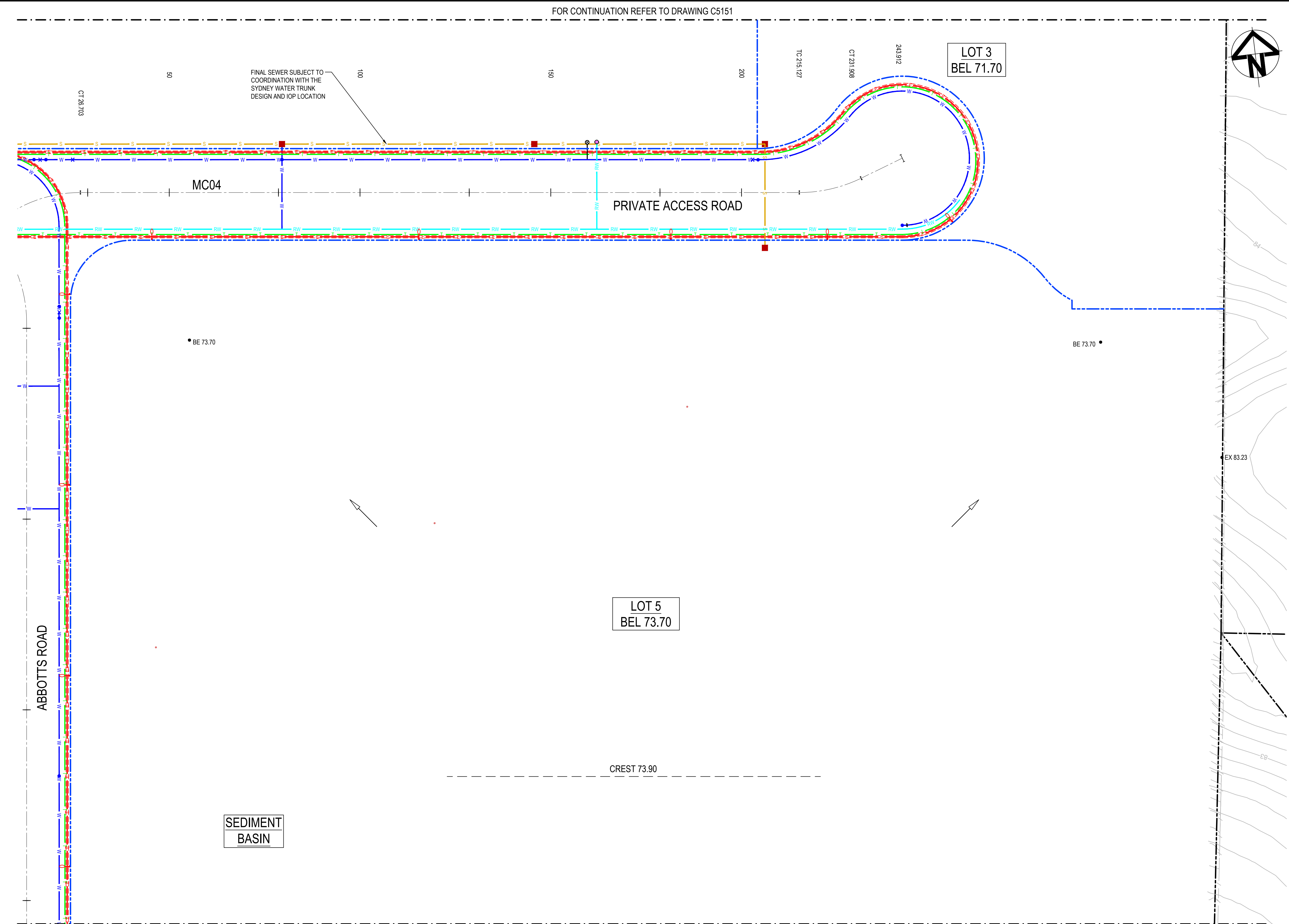


RETAINING WALL (RW-LOT 2-02) PROFILE (CONTINUED)

SCALE 1:200 HORI.  
1:200 VERT.

			Bar Scales		<div>Client</div> <div></div>	Scales		Drawn	LM	Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Civil Engineers and Project Managers  <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>					
			 <div>1 : 200 @ A1    1 : 400 @ A3</div>			1 : 200		Designed	LM							
						Grid MGA2020		Checked	AT							
						Height Datum AHD		Approved	AT							
D			ISSUED FOR DEVELOPMENT APPLICATION			27-09-23		 <div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</div>		Tiered Retaining Wall Profiles SHEET 3		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1		
C			ISSUED FOR DEVELOPMENT APPLICATION			12-09-23				Project - Drawing No. 20-748-C5103		Issue D				
B			ISSUED FOR DEVELOPMENT APPLICATION		23-02-23											
A			ISSUED FOR DEVELOPMENT APPLICATION		25-10-22											
Issue			Description		Date											





LEGEND:

GENERAL

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTT'S RD UPGRADE WORKS. REFER TO 500 SERIES DRG's.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

UTILITIES - PROPOSED

- SEWER SERVICE
- WATER MAIN
- RECYCLED WATER
- HV POWER
- LV POWER
- TELECOMMUNICATION CONDUITS
- STREET LIGHTING

STORMWATER - PROPOSED

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

UTILITIES - EXISTING

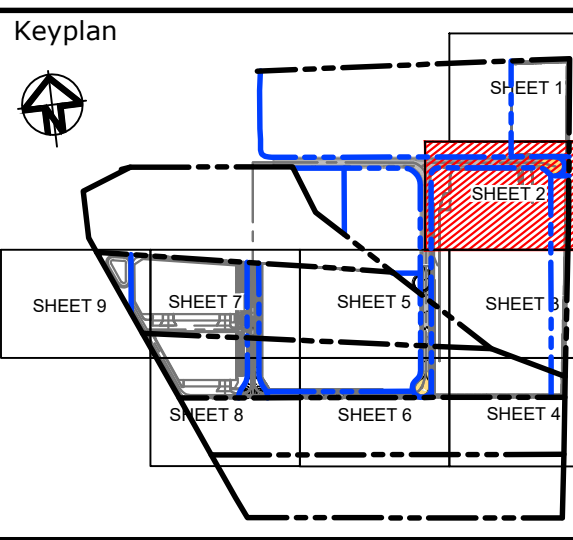
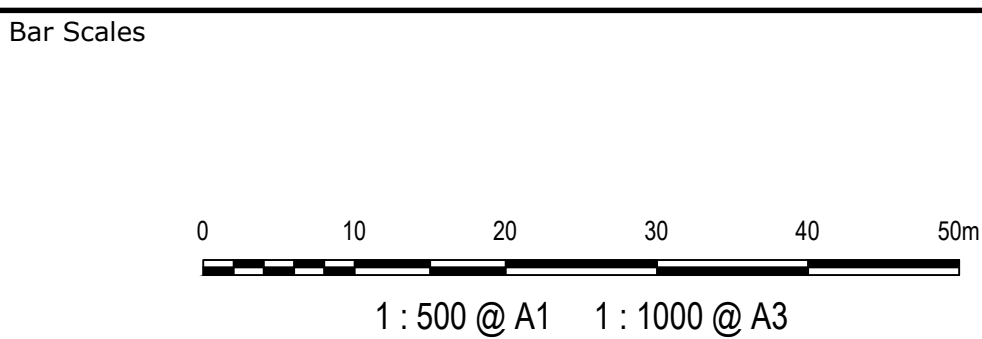
- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

NOTE

REFER TO TYPICAL ROAD SECTIONS ON DRG C5010 & C5011 FOR DIMENSIONS OF SERVICE ALLOCATIONS.

PROPOSED UTILITIES LOCATION INDICATIVE ONLY. T.B.C. AT DETAILED DESIGN.

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

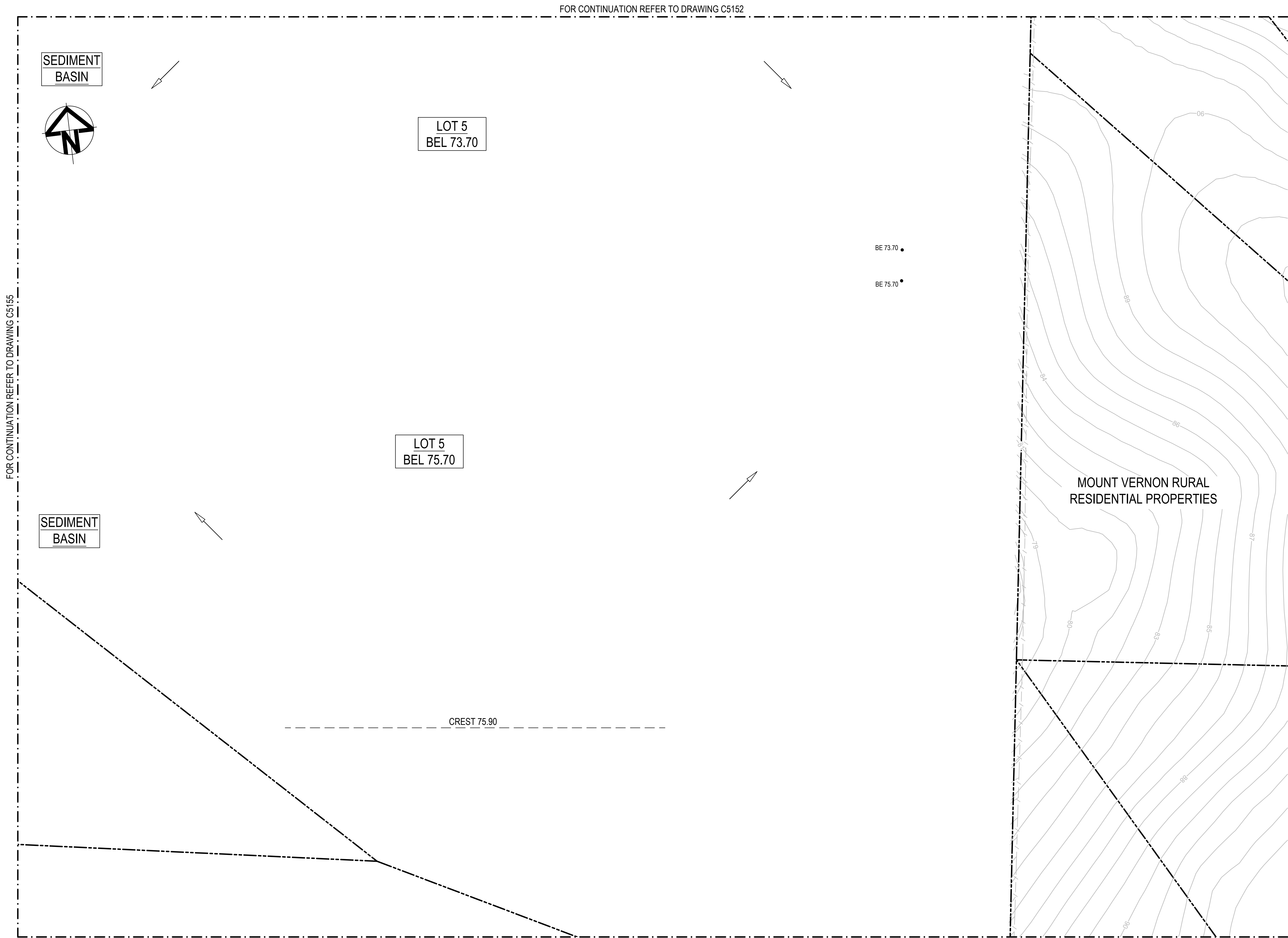


Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
GDA2020			
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 1

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5152	Issue D





LEGEND:

GENERAL

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. REFER TO 500 SERIES DRG's.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

UTILITIES - PROPOSED

- SEWER SERVICE
- WATER MAIN
- RECYCLED WATER
- HV POWER
- LV POWER
- TELECOMMUNICATION CONDUITS
- STREET LIGHTING

STORMWATER - PROPOSED

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

UTILITIES - EXISTING

- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

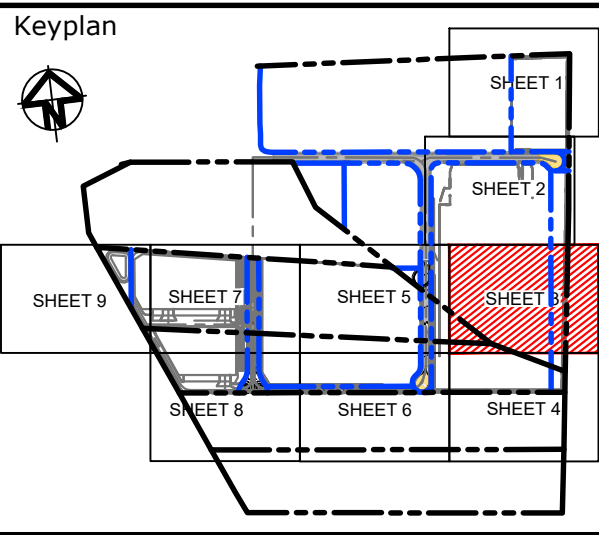
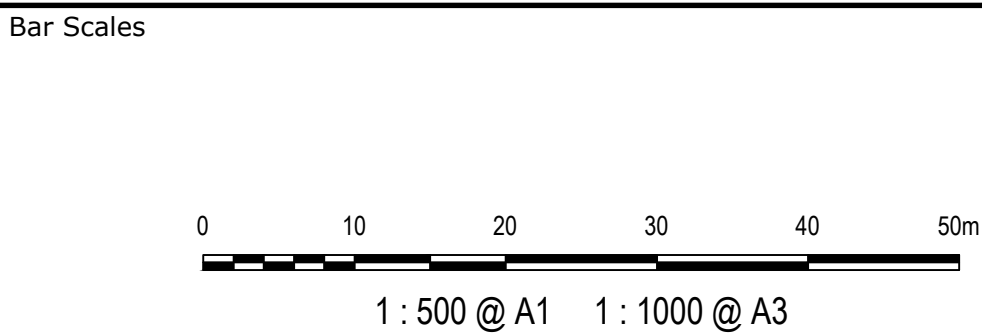
NOTE

REFER TO TYPICAL ROAD SECTIONS ON DRG C5010 & C5011 FOR DIMENSIONS OF SERVICE ALLOCATIONS.

PROPOSED UTILITIES LOCATION INDICATIVE ONLY. T.B.C. AT DETAILED DESIGN.

FOR CONTINUATION REFER TO DRAWING C5155

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

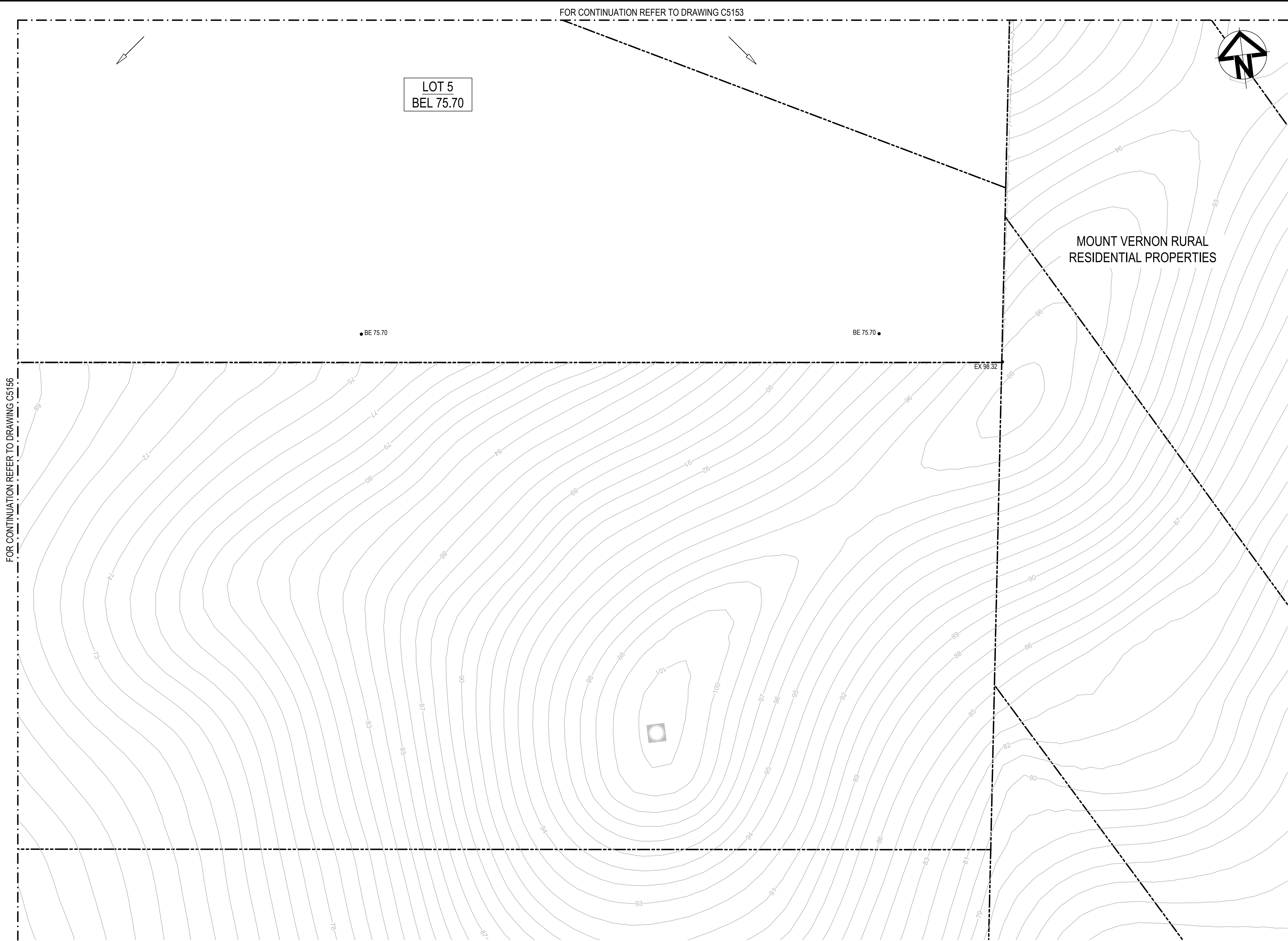


Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 2

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5153	Issue D





LEGEND:

GENERAL

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. REFER TO 500 SERIES DRG's.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

UTILITIES - PROPOSED

- SEWER SERVICE
- WATER MAIN
- RECYCLED WATER
- HV POWER
- LV POWER
- TELECOMMUNICATION CONDUITS
- STREET LIGHTING

STORMWATER - PROPOSED

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH INTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

UTILITIES - EXISTING

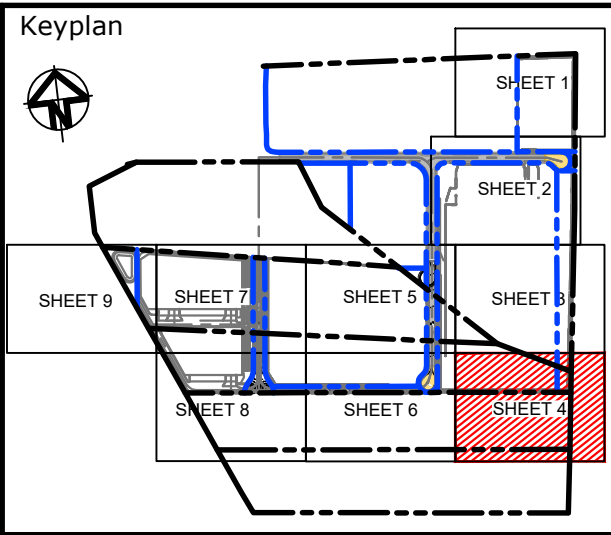
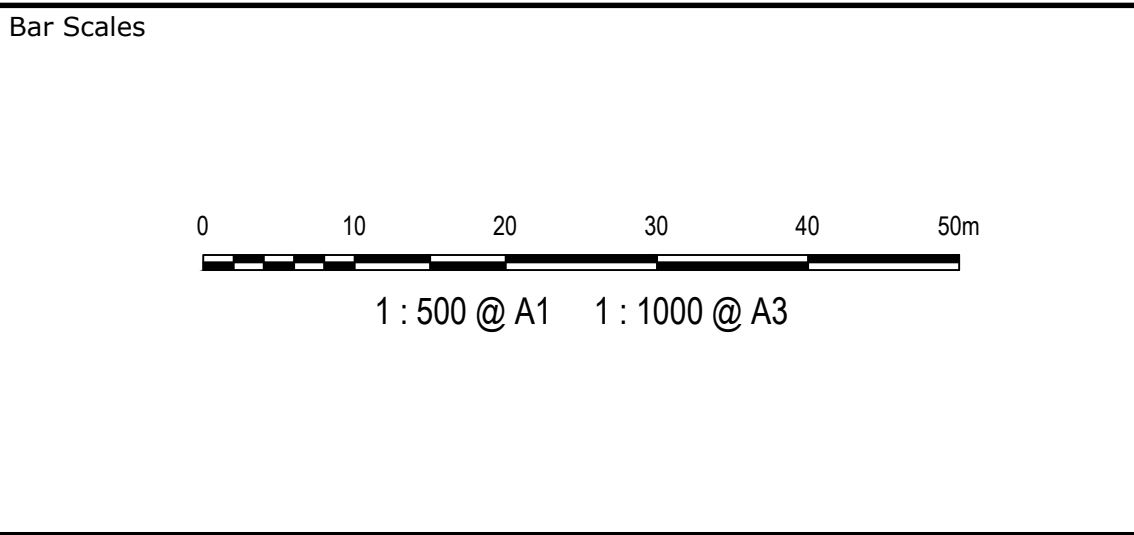
- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

NOTE

REFER TO TYPICAL ROAD SECTIONS ON DRG C5010 & C5011 FOR DIMENSIONS OF SERVICE ALLOCATIONS.

PROPOSED UTILITIES LOCATION INDICATIVE ONLY. T.B.C. AT DETAILED DESIGN.

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

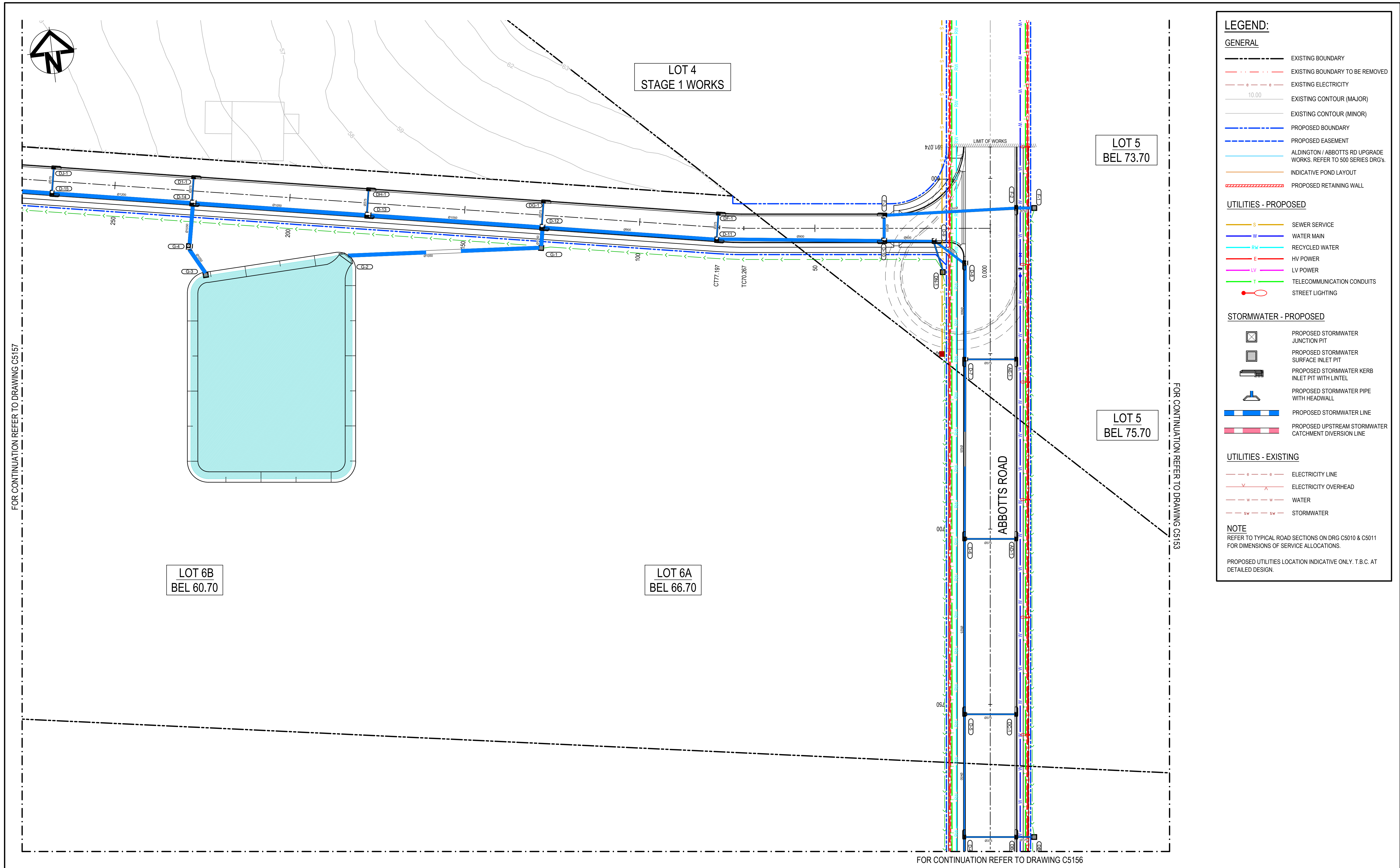



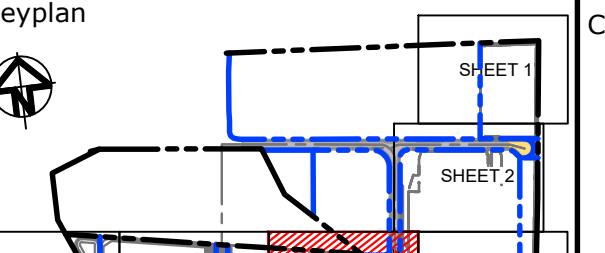


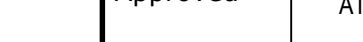
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		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 3

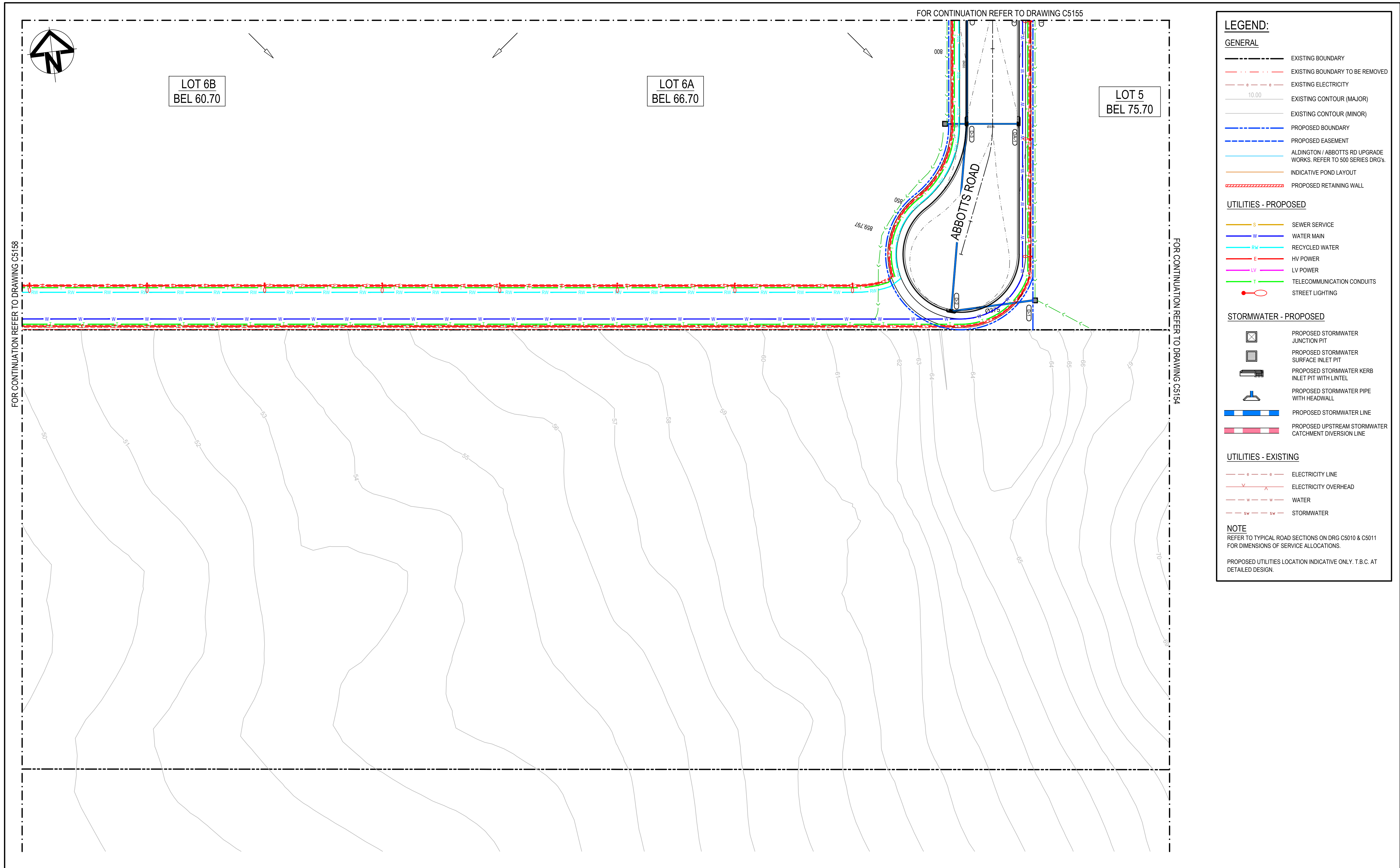
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5154	Issue D





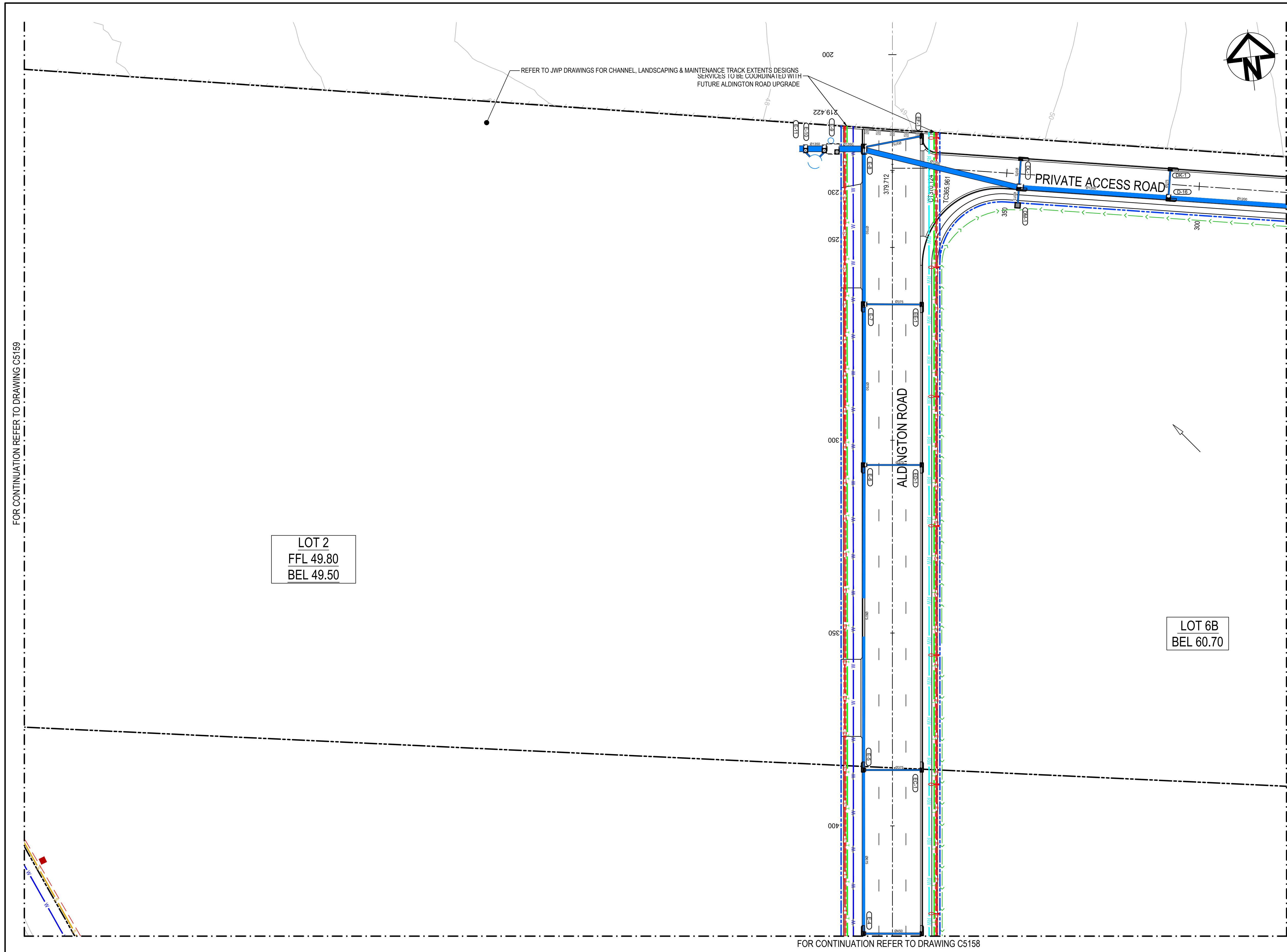
			Bar Scales		Keyplan		Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
									1 : 500		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK			
			1 : 500 @ A1    1 : 1000 @ A3						MGA2020		Designed LM				Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
D			ISSUED FOR DEVELOPMENT APPLICATION		27-09-23				Grid		Checked AT		Title		Status	
C			ISSUED FOR DEVELOPMENT APPLICATION		12-09-23				Height Datum		Approved AT		SERVICES AND UTILITIES COORDINATION PLAN SHEET 4		FOR APPROVAL	
B			ISSUED FOR DEVELOPMENT APPLICATION		23-02-23										NOT TO BE USED FOR CONSTRUCTION	
A			ISSUED FOR DEVELOPMENT APPLICATION		25-10-22											
Issue			Description		Date				THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I				Project - Drawing No.		A1	
													20-748-C5155		Issue D	





Bar Scales			Keyplan		Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
0 10 20 30 40 50m			1 : 500 @ A1 1 : 1000 @ A3		ESR		1 : 500		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		at&l	
							MGA2020		LM				Level 7, 153 Walker Street North Sydney NSW 2060	
							AHD		AT				ABN 96 130 882 405	
									AT				Tel: 02 9439 1777	
													Fax: 02 9923 1055	
													www.atl.net.au	
													info@atl.net.au	
													Status	
													FOR APPROVAL	
													NOT TO BE USED FOR CONSTRUCTION	
													Project - Drawing No.	
													20-748-C5156	
													Issue	
													D	





**LEGEND:**

**GENERAL**

EXISTING BOUNDARY

EXISTING BOUNDARY TO BE REMOVED

EXISTING ELECTRICITY

EXISTING CONTOUR (MAJOR)

EXISTING CONTOUR (MINOR)

PROPOSED BOUNDARY

PROPOSED EASEMENT

ALDINGTON / ABBOTTS RD UPGRADE WORKS. REFER TO 500 SERIES DRG's.

INDICATIVE POND LAYOUT

PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

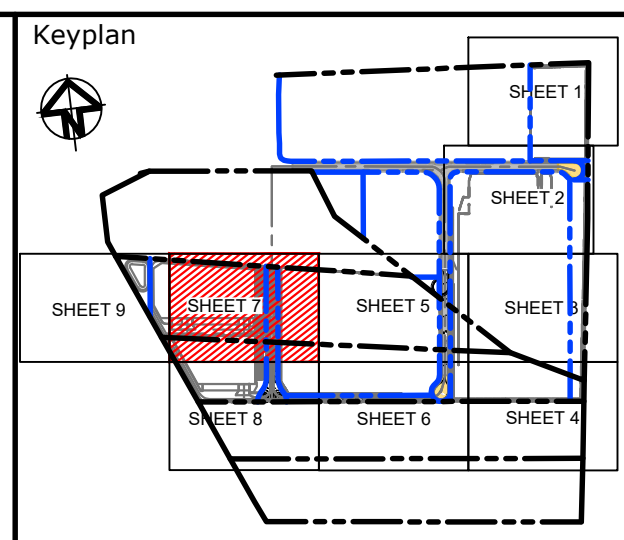
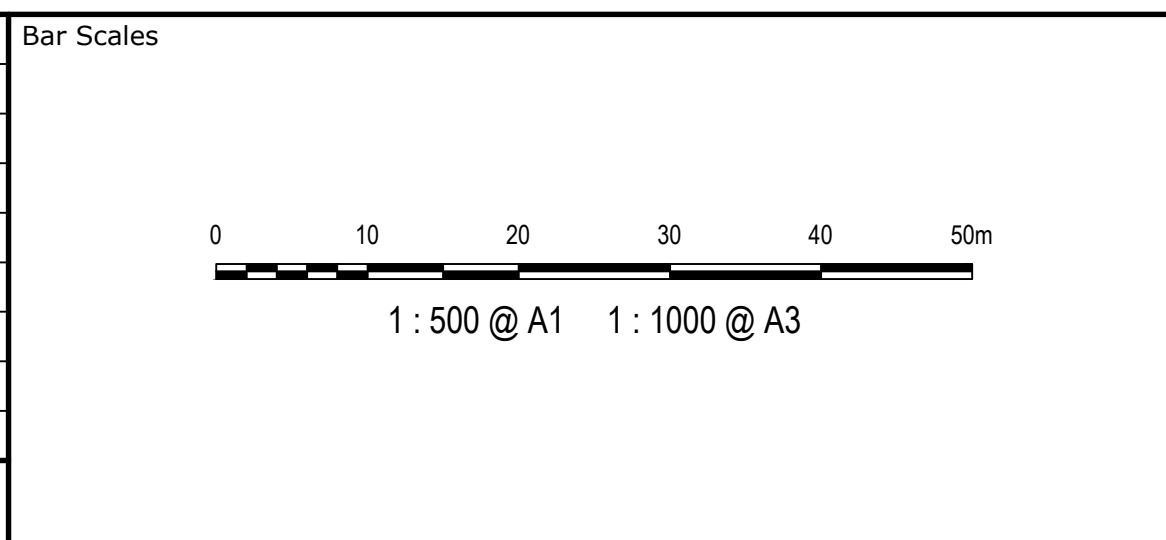
S

SEWER SERVICEWRWELVT**STORMWATER - PROPOSED**PROPOSED STORMWATER JUNCTION PITPROPOSED STORMWATER SURFACE INLET PITPROPOSED STORMWATER KERB INLET PIT WITH INTELPROPOSED STORMWATER PIPE WITH HEADWALL**UTILITIES - EXISTING**EV XWSW**NOTE**

REFER TO TYPICAL ROAD SECTIONS ON DRG C5010 &amp; C5011 FOR DIMENSIONS OF SERVICE ALLOCATIONS.

PROPOSED UTILITIES LOCATION INDICATIVE ONLY. T.B.C. AT DETAILED DESIGN.

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title

SERVICES AND UTILITIES COORDINATION PLAN SHEET 6

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

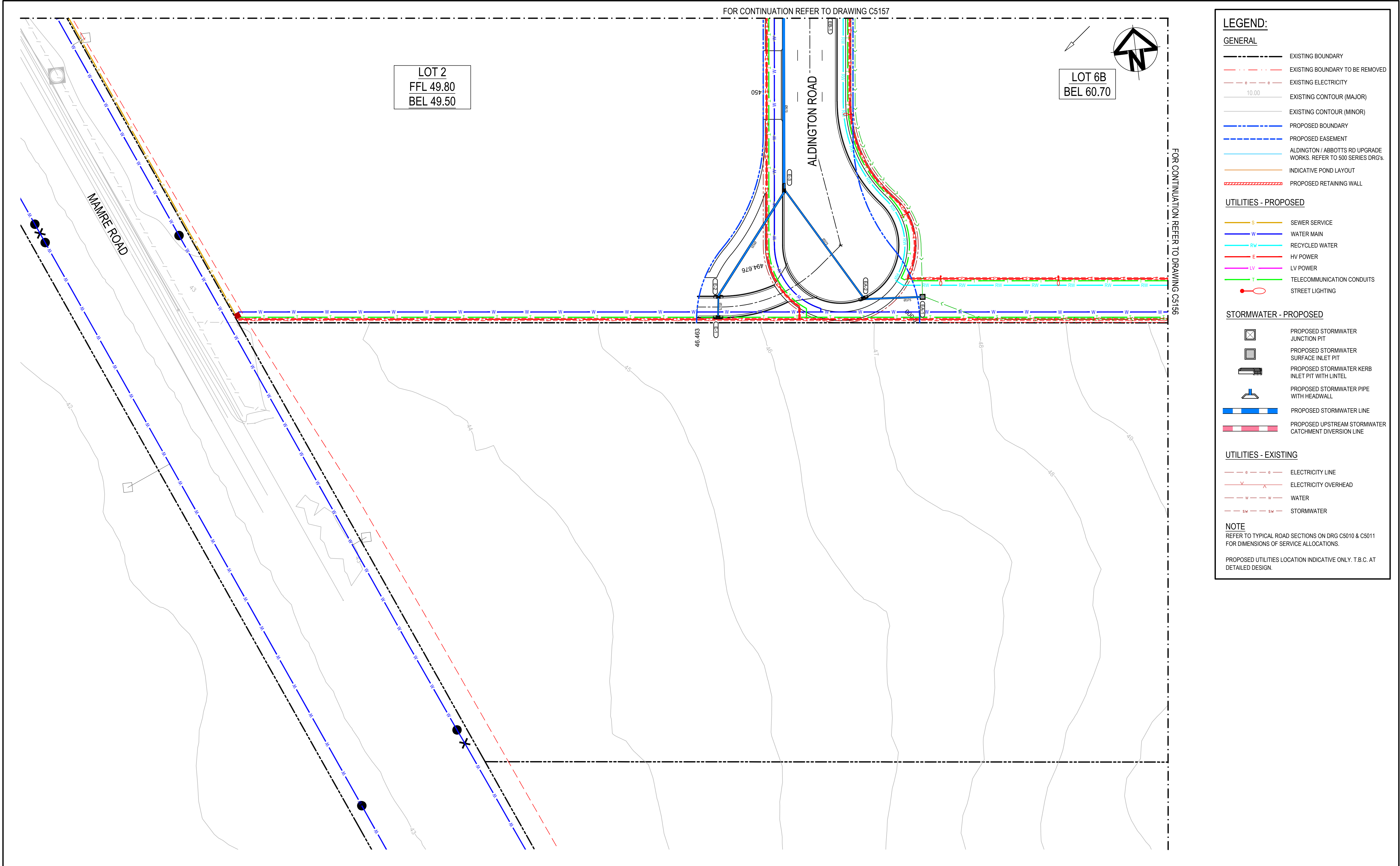
Project - Drawing No.

20-748-C5157

Issue

D





**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. REFER TO 500 SERIES DRG's.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

- SEWER SERVICE
- WATER MAIN
- RECYCLED WATER
- HV POWER
- LV POWER
- TELECOMMUNICATION CONDUITS
- STREET LIGHTING

**STORMWATER - PROPOSED**

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE

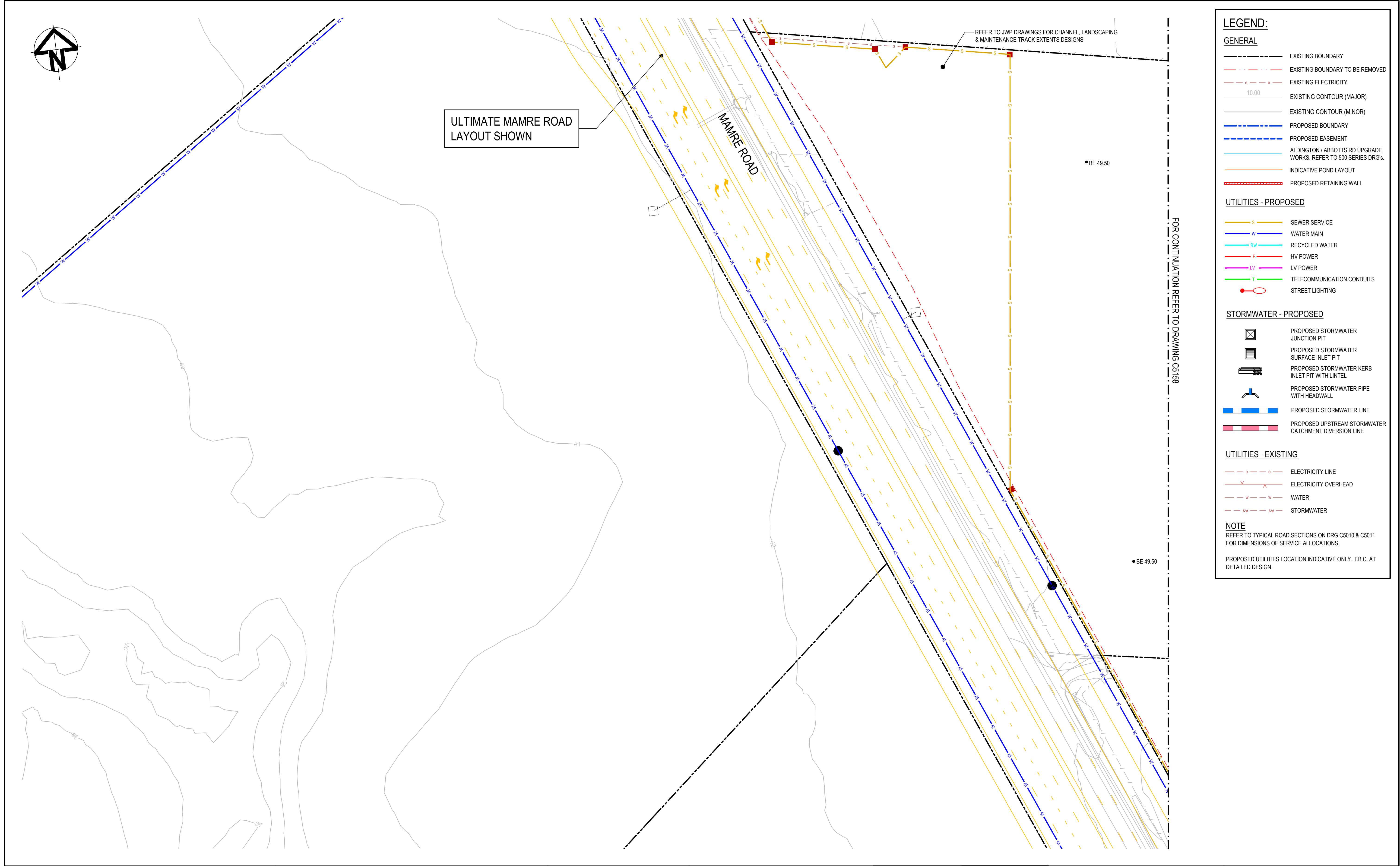
**UTILITIES - EXISTING**


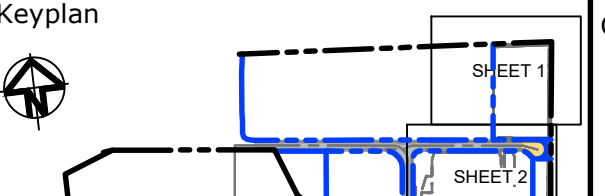



- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C5010 & C5011 FOR DIMENSIONS OF SERVICE ALLOCATIONS.  
PROPOSED UTILITIES LOCATION INDICATIVE ONLY. T.B.C. AT DETAILED DESIGN.

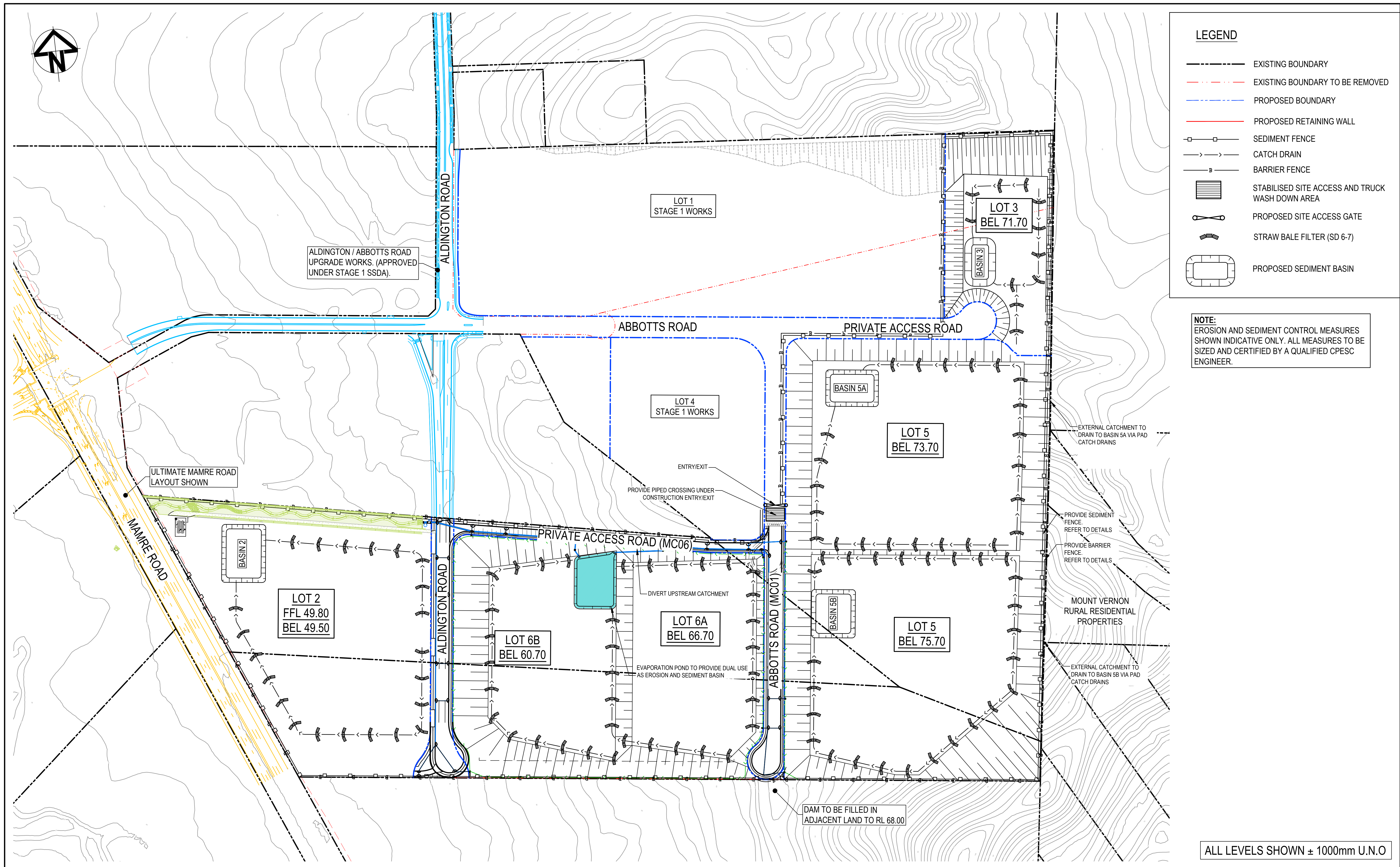
			Bar Scales		Keyplan		Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
									1 : 500		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
D ISSUED FOR DEVELOPMENT APPLICATION			27-09-23						MGA2020		Designed LM					
C ISSUED FOR DEVELOPMENT APPLICATION			12-09-23						AHD		Checked AT		Title		Status FOR APPROVAL	
B ISSUED FOR DEVELOPMENT APPLICATION			23-02-23						GDA2020		Approved AT		SERVICES AND UTILITIES COORDINATION PLAN SHEET 7		NOT TO BE USED FOR CONSTRUCTION	
A ISSUED FOR DEVELOPMENT APPLICATION			25-10-22						THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I				Project - Drawing No. 20-748-C5158		Issue A1	
Issue			Description		Date										D	





			Bar Scales		Keyplan		Client		Scales		Drawn		Project		Civil Engineers and Project Managers	
									1 : 500		LM		PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		 Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
D			ISSUED FOR DEVELOPMENT APPLICATION		27-09-23				Grid		MGA2020		Checked		LM	
C			ISSUED FOR DEVELOPMENT APPLICATION		27-09-23				Height		AHD		Approved		AT	
B			ISSUED FOR DEVELOPMENT APPLICATION		23-02-23						THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		Title		SERVICES AND UTILITIES COORDINATION PLAN SHEET 8	
A			ISSUED FOR DEVELOPMENT APPLICATION		25-10-22											
Issue			Description		Date										Status	
															FOR APPROVAL	
															NOT TO BE USED FOR CONSTRUCTION	
															A1	
															Issue	
															D	





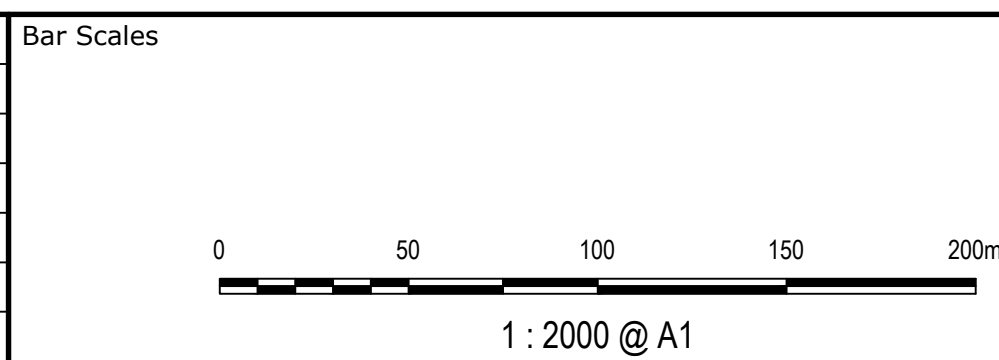
LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED RETAINING WALL
- SEDIMENT FENCE
- CATCH DRAIN
- BARRIER FENCE
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
- PROPOSED SITE ACCESS GATE
- STRAW BALE FILTER (SD 6-7)
- PROPOSED SEDIMENT BASIN

NOTE:  
EROSION AND SEDIMENT CONTROL MEASURES SHOWN INDICATIVE ONLY. ALL MEASURES TO BE SIZED AND CERTIFIED BY A QUALIFIED CPESC ENGINEER.

ALL LEVELS SHOWN  $\pm$  1000mm U.N.O

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



Scales	1 : 2000	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
GDA2020			
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project  
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title  
EROSION AND SEDIMENT CONTROL PLAN

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5201	Issue D





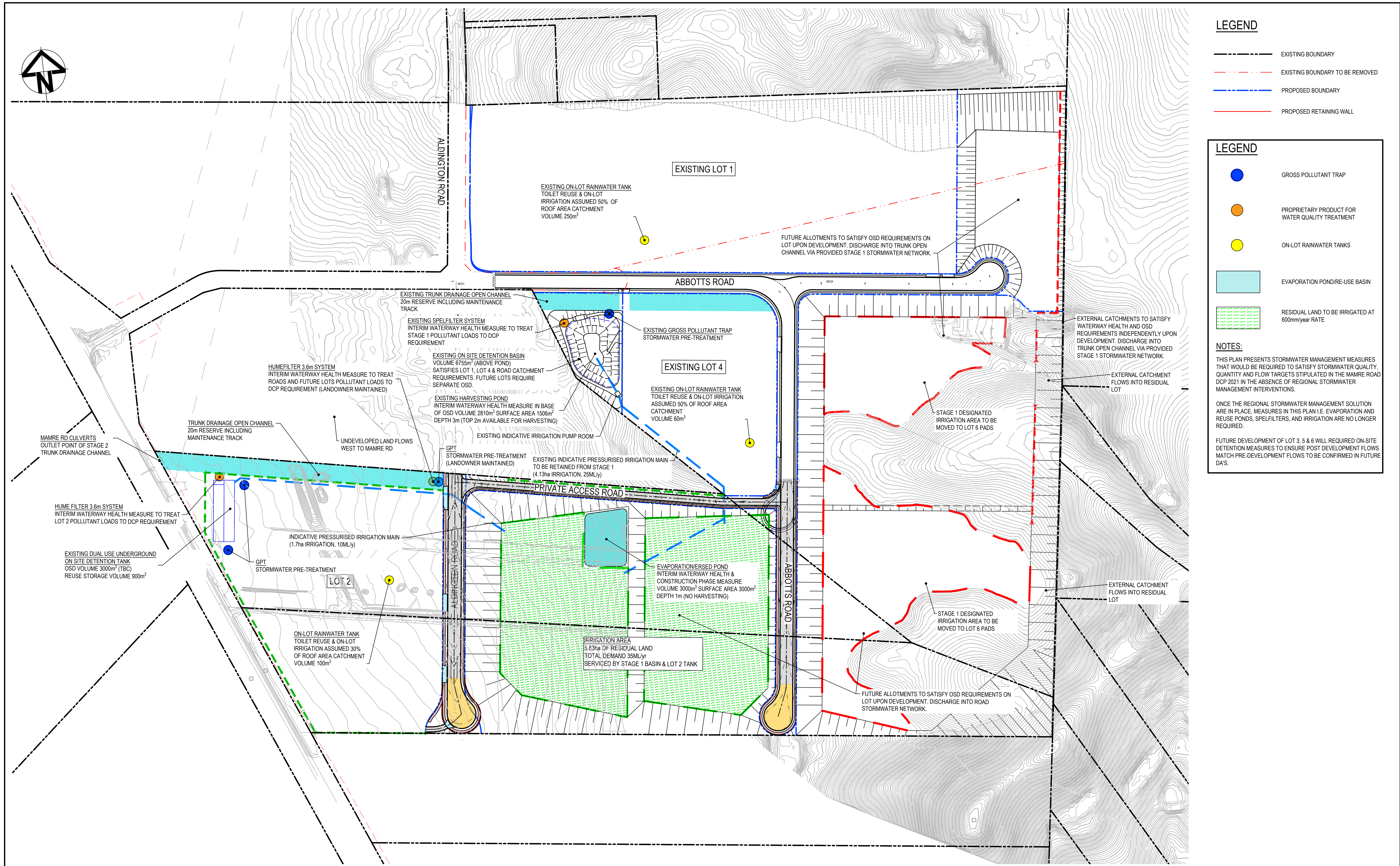
100mm on Original

F

E:\20-748 ESR Mamre\6.0 Drqs\Civil\Final\SSDA\5000 INF

RASTRUCTURE\_STAGE\_2\_SSDA\20-748-C5210.dwg





**LEGEND**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED RETAINING WALL

**LEGEND**









- GROSS POLLUTANT TRAP
- PROPRIETARY PRODUCT FOR WATER QUALITY TREATMENT
- ON-LOT RAINWATER TANKS
- EVAPORATION POND/RE-USE BASIN
- RESIDUAL LAND TO BE IRRIGATED AT 600mm/year RATE

**NOTES:**

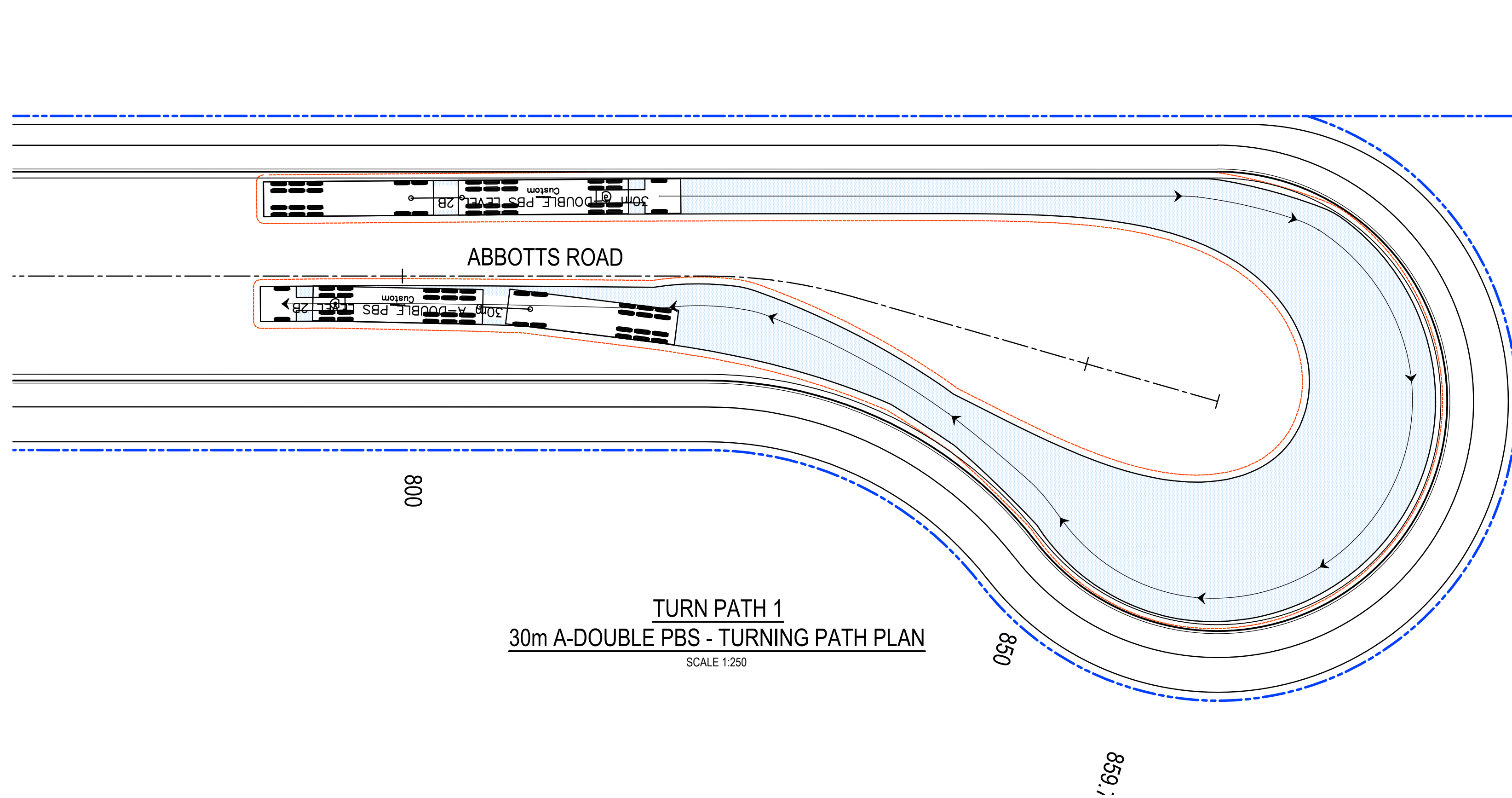
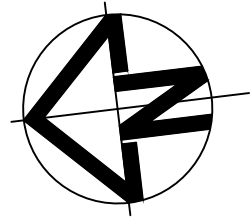
THIS PLAN PRESENTS STORMWATER MANAGEMENT MEASURES THAT WOULD BE REQUIRED TO SATISFY STORMWATER QUALITY, QUANTITY AND FLOW TARGETS STIPULATED IN THE MAMRE ROAD DCP 2021 IN THE ABSENCE OF REGIONAL STORMWATER MANAGEMENT INTERVENTIONS.

ONCE THE REGIONAL STORMWATER MANAGEMENT SOLUTION ARE IN PLACE, MEASURES IN THIS PLAN I.E. EVAPORATION AND REUSE PONDS, SPELFILTERS, AND IRRIGATION ARE NO LONGER REQUIRED.

FUTURE DEVELOPMENT OF LOT 3, 5 & 6 WILL REQUIRED ON-SITE DETENTION MEASURES TO ENSURE POST DEVELOPMENT FLOWS MATCH PRE-DEVELOPMENT FLOWS TO BE CONFIRMED IN FUTURE DA'S.

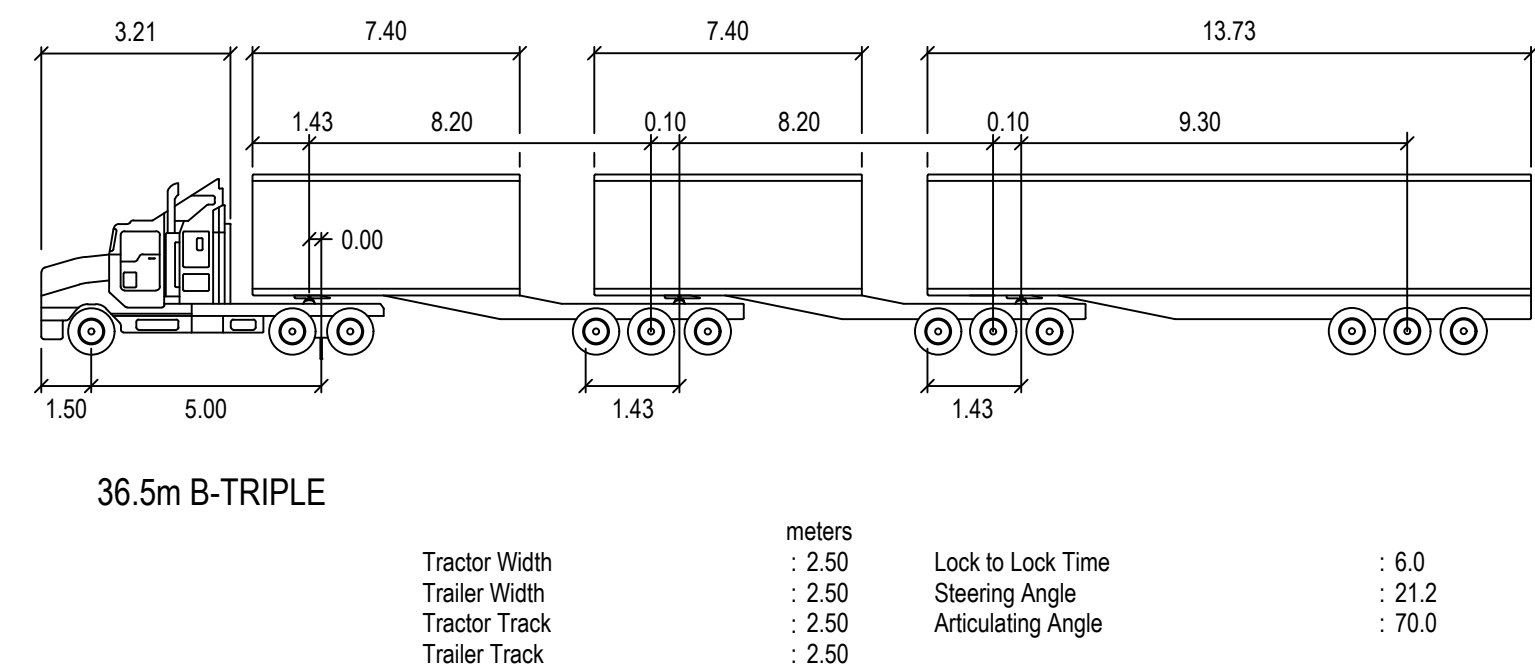
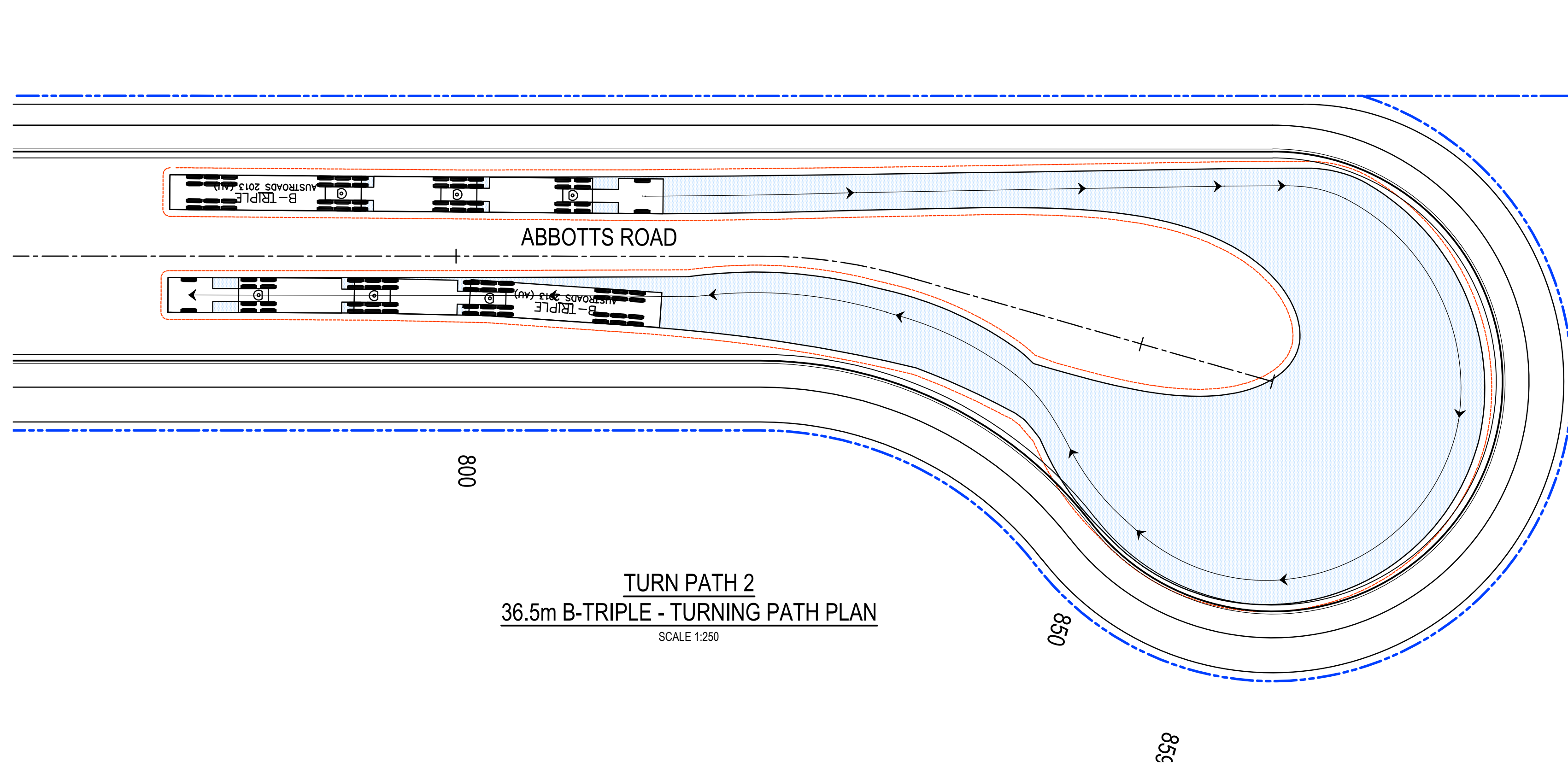
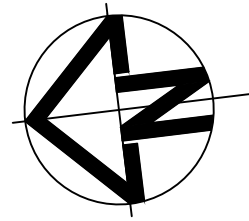
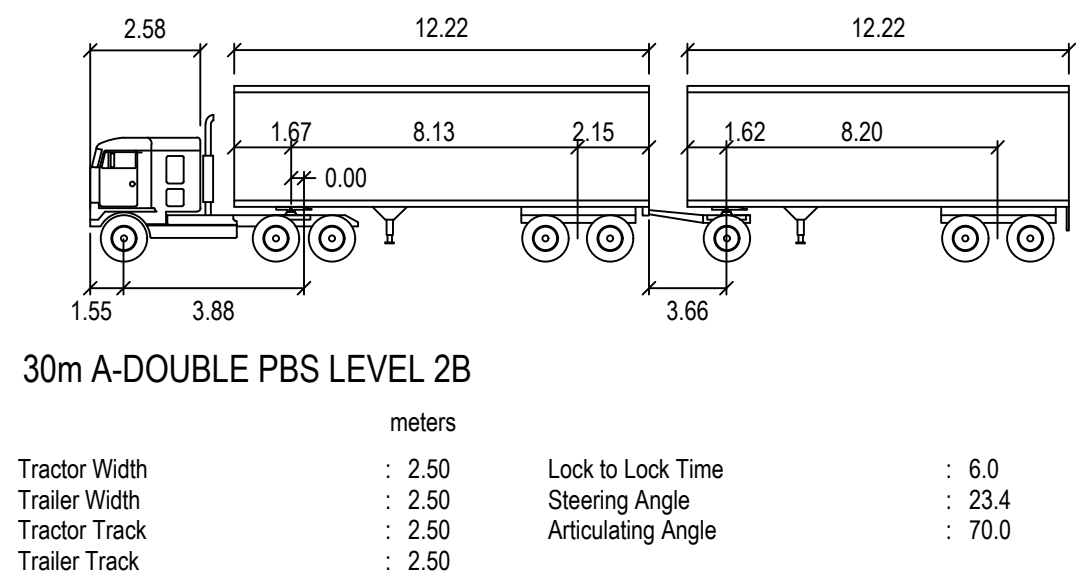
			Bar Scales				Client				<table><tr><td rowspan="2">Scales</td><td colspan="2">1 : 1500</td><td rowspan="2">Drawn</td><td>LM</td></tr><tr><td rowspan="2">Grid</td><td colspan="2">MGA2020</td><td>LM</td></tr><tr><td rowspan="2">Height Datum</td><td colspan="2">AHD</td><td>Approved</td><td>AT</td></tr><tr><td colspan="5"> THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</td><td colspan="2">Title</td><td colspan="2">Project</td><td colspan="2">Civil Engineers and Project Managers</td></tr><tr><td colspan="5"></td><td colspan="5">STORMWATER MANAGEMENT PLAN INTERIM ARRANGEMENT</td><td colspan="2">PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK</td><td colspan="2"> Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</td></tr><tr><td colspan="5"></td><td colspan="5"></td><td colspan="2">Status</td><td colspan="2">FOR APPROVAL</td></tr><tr><td colspan="5"></td><td colspan="5"></td><td colspan="2">NOT TO BE USED FOR CONSTRUCTION</td><td colspan="2">A1</td></tr><tr><td colspan="5"></td><td colspan="5"></td><td colspan="2">Project - Drawing No.</td><td colspan="2">Issue</td></tr><tr><td colspan="5"></td><td colspan="5"></td><td colspan="2">20-748-C5220</td><td colspan="2">E</td></tr></table>		Scales	1 : 1500		Drawn	LM	Grid	MGA2020		LM	Height Datum	AHD		Approved	AT	 THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L					Title		Project		Civil Engineers and Project Managers							STORMWATER MANAGEMENT PLAN INTERIM ARRANGEMENT					PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		 Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au												Status		FOR APPROVAL												NOT TO BE USED FOR CONSTRUCTION		A1												Project - Drawing No.		Issue												20-748-C5220		E	
Scales	1 : 1500		Drawn	LM																																																																																																							
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					STORMWATER MANAGEMENT PLAN INTERIM ARRANGEMENT					PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		 Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au																																																																																															
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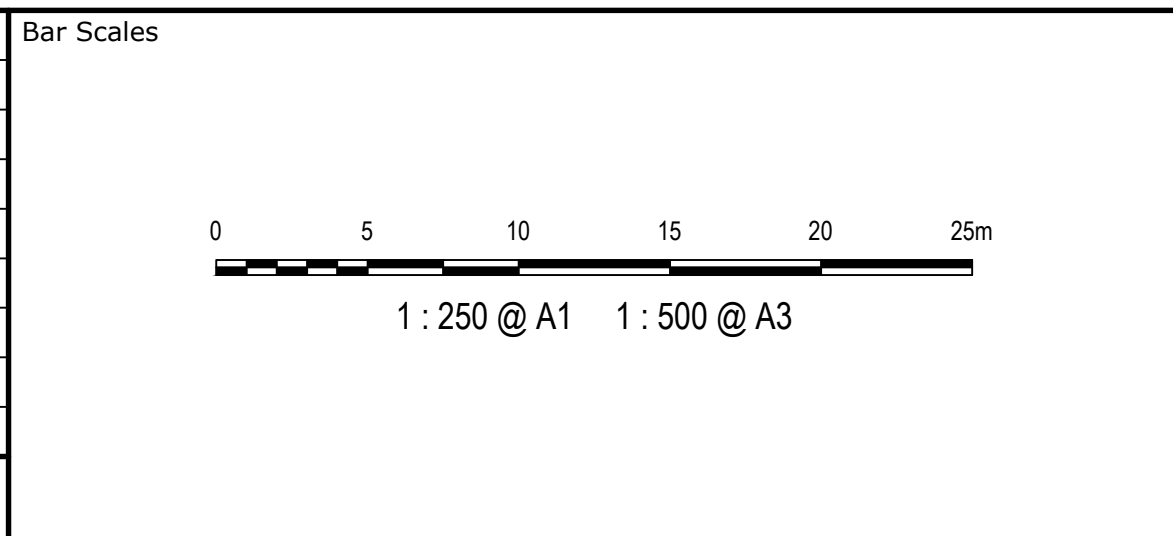


**LEGEND:**

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE



Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22



Client

Scales	Drawn	LM
1 : 250	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	AT

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Project

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title

VEHICLE TURNING PATH PLAN SHEET 1

Civil Engineers and Project Managers

Level 7, 153 Walker Street North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

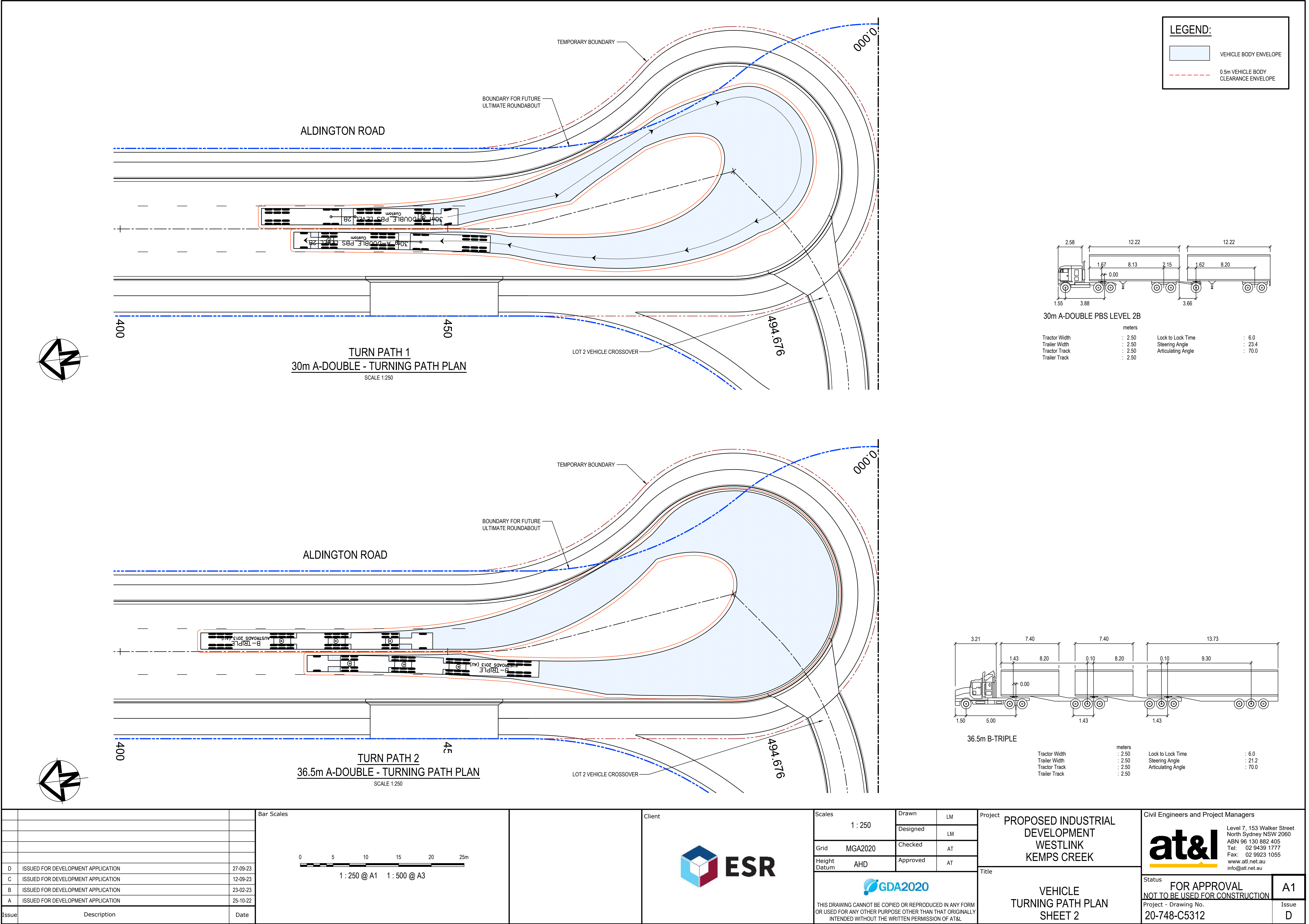
20-748-C5311

Issue

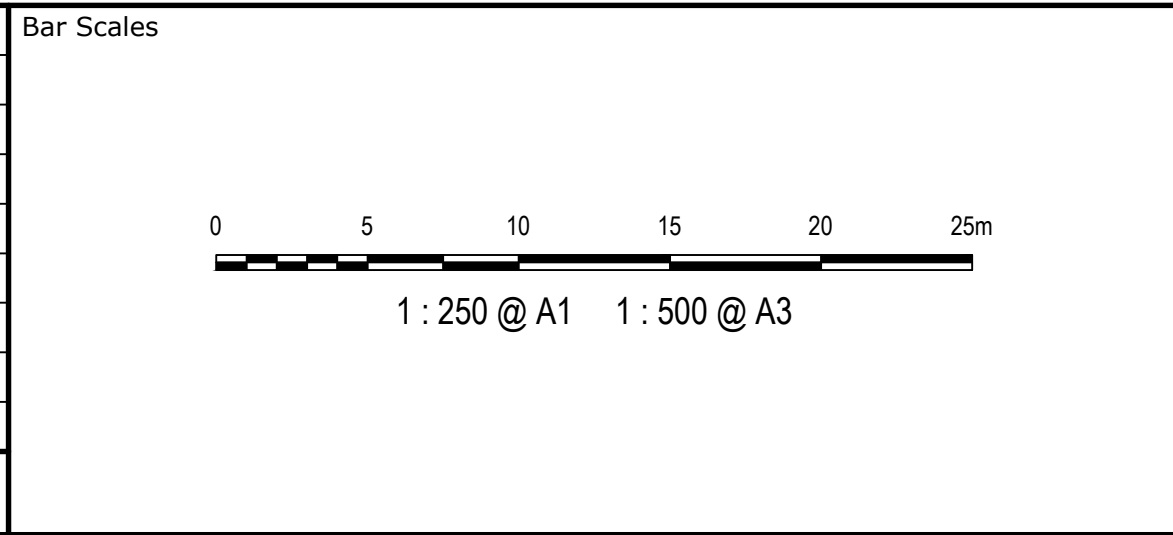
D

A1





D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client

Scales

1 : 250

Grid MGA2020

Height Datum AHD

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Project

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title

VEHICLE TURNING PATH PLAN SHEET 2

Civil Engineers and Project Managers

Level 7, 153 Walker Street North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

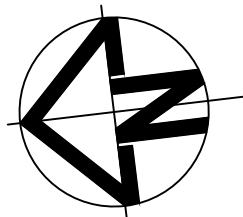
20-748-C5312

Issue

D

A1

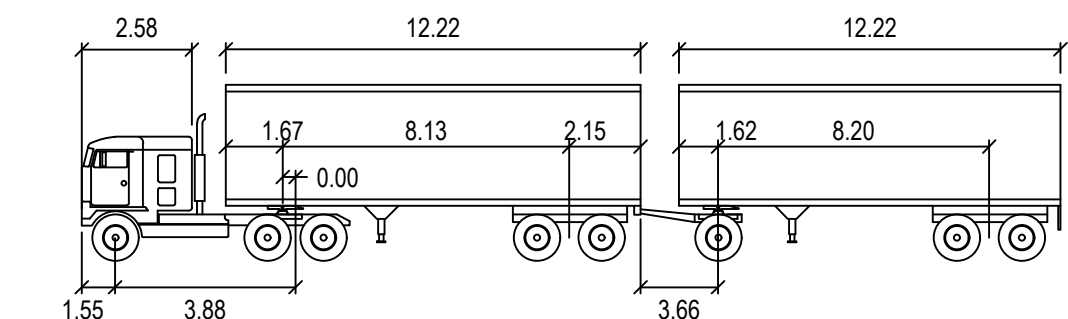




LEGEND:

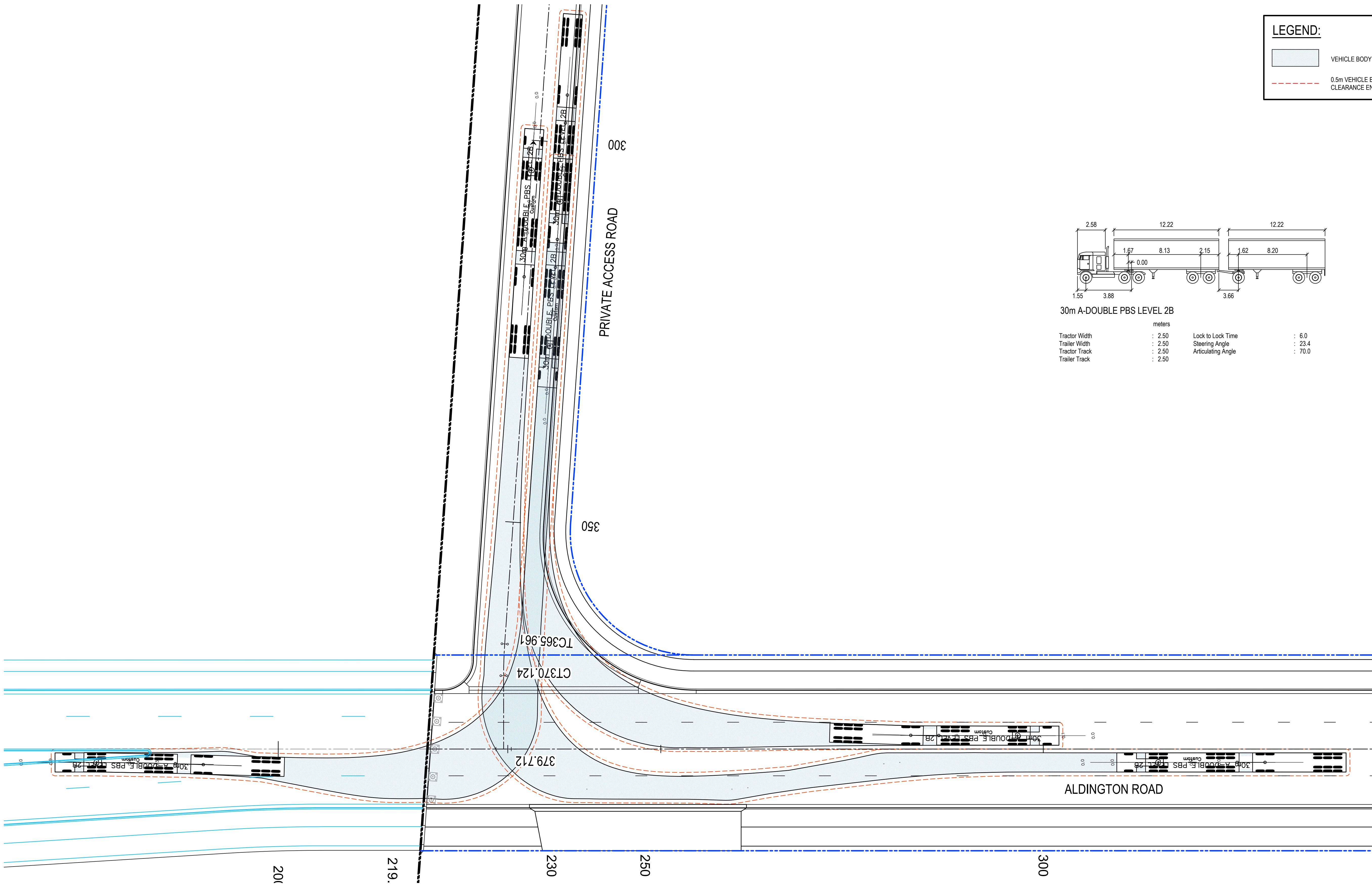
VEHICLE BODY ENVELOPE

0.5m VEHICLE BODY  
CLEARANCE ENVELOPE



30m A-DOUBLE PBS LEVEL 2B

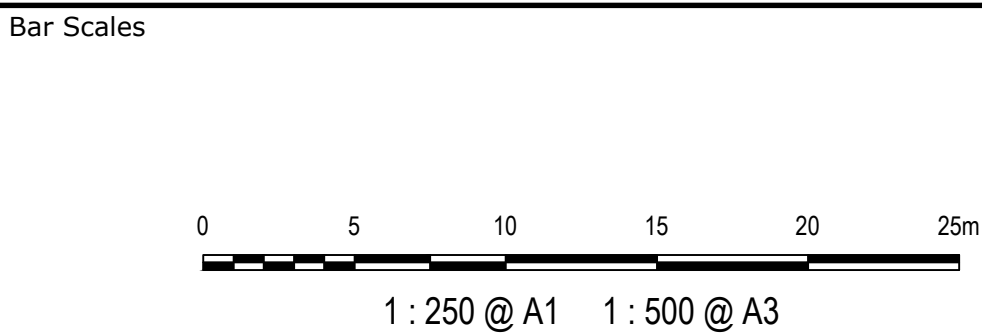
	meters		
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 23.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



30m A-DOUBLE PBS - TURNING PATH PLAN

SCALE 1:250

Issue	Description	Date
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

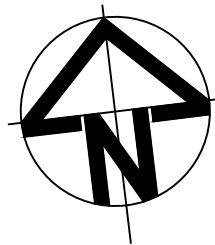


Scales	1 : 250	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
GDA2020			
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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	VEHICLE TURNING PATH PLAN SHEET 3

Civil Engineers and Project Managers	
at&l	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
Project - Drawing No.	20-748-C5313
Issue	D

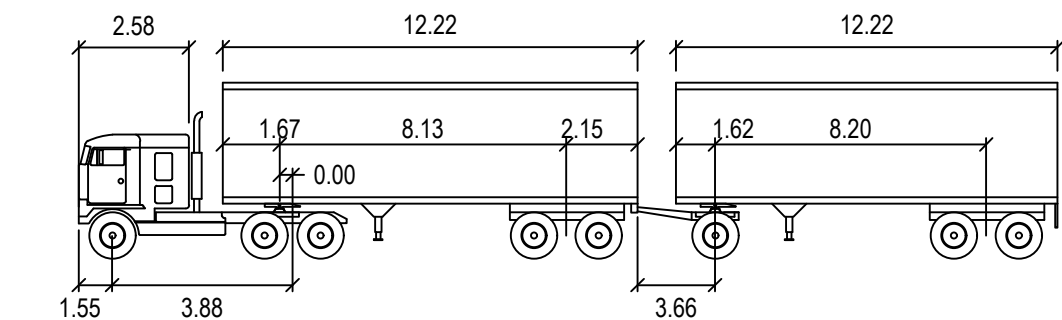




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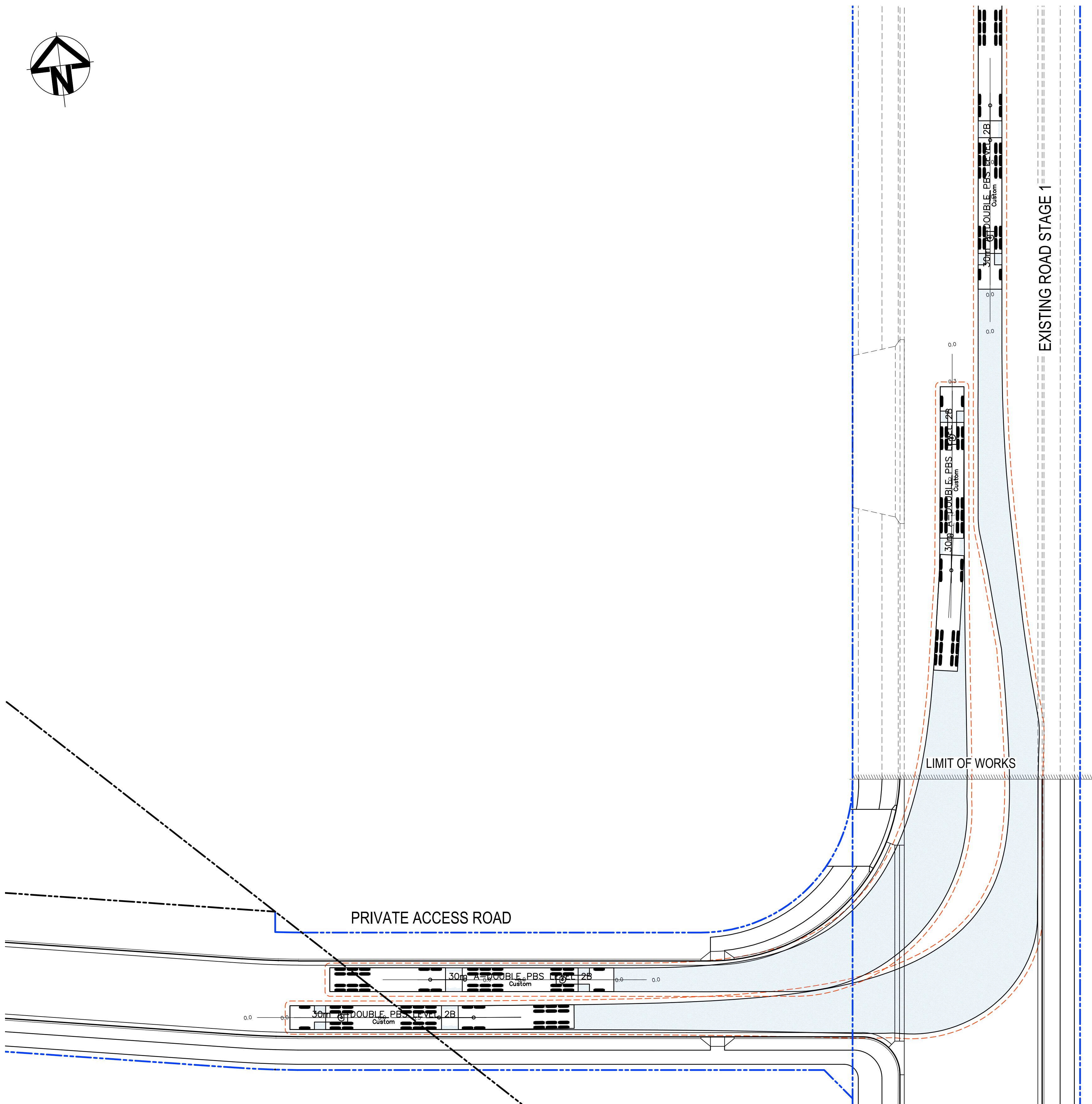
VEHICLE BODY ENVELOPE

0.5m VEHICLE BODY CLEARANCE ENVELOPE



30m A-DOUBLE PBS LEVEL 2B

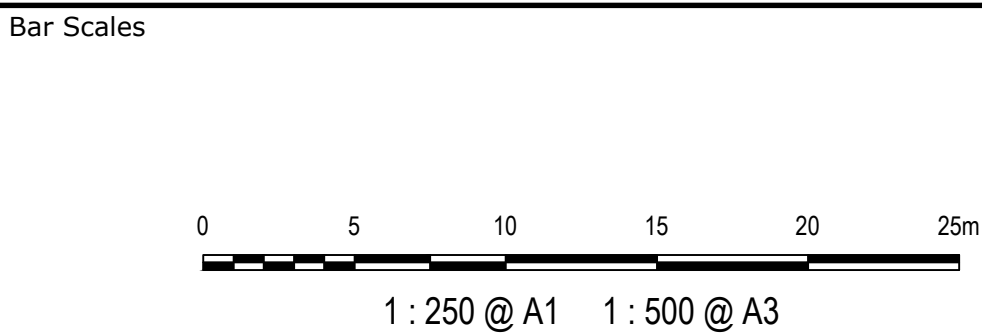
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	Trailer Width	: 2.50	Steering Angle	: 23.4
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		



30m A-DOUBLE PBS - TURNING PATH PLAN

SCALE 1:250

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
C	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
B	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
A	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date



Client



Scales	1 : 250	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	AT
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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**VEHICLE TURNING PATH PLAN SHEET 4**

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C5314	Issue D