
Appendix I

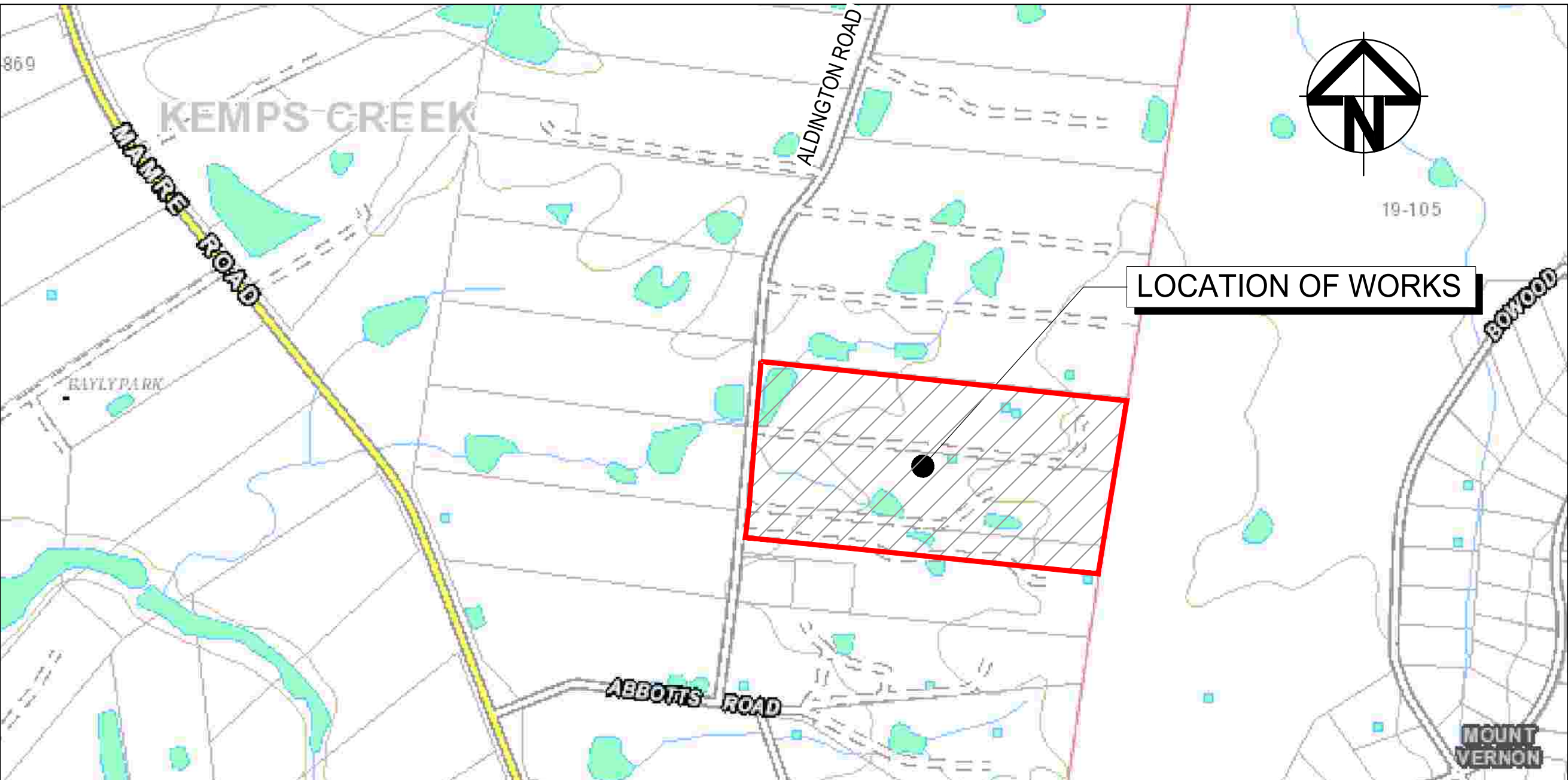
Civil works package

270 ALDINGTON ROAD, KEMPS CREEK

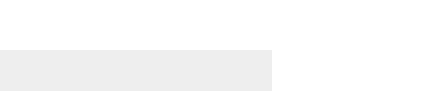
1000-SERIES INFRASTRUCTURE

CIVIL WORKS PACKAGE

DEVELOPMENT APPLICATION



LOCALITY PLAN
NTS

			Bar Scales	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	Client  	Scales		Drawn	JH	Project	Civil Engineers and Project Managers				
						N.T.S		Designed	JH		 Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405				
						Grid 2020 GDA		Checked	DF						
						Height Datum AHD		Approved		Title					
D	FOR APPROVAL	16-05-25									270 ALDINGTON ROAD				
C	FOR APPROVAL	17-02-25													
B	FOR TENDER	16-09-24													
A	PRELIMINARY ISSUE	12-04-23													
Issue	Description	Date								Status	FOR APPROVAL NOT FOR CONSTRUCTION		A1		
										Project - Drawing No.		Issue			
										22-1041-C1000		D			

SITEWORKS NOTES

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 COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TNSW FORM 3051 (UNBOUND), TNSW FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
8. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TNSW FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
9. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH TNSW FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
10. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
11. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
12. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS

SURVEY NOTES

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

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

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

NOTES:

1. THE BOUNDARIES HAVE NOT BEEN MARKED ON GROUND
2. THE BOUNDARY SURVEY (DIMENSIONS AND AREA) HAVE BEEN SURVEYED IN ACCORDANCE WITH SURVEYING AND SPATIAL INFORMATION REGULATION 2017 CLAUSE 10 "IDENTIFICATION SURVEYS" AND ARE SUBJECT TO FINAL SURVEY
3. ORIGIN OF MGA2020 COORDINATES IS TAKEN FROM PM 178274 - E-295895 989, N-6251525.170 IN ABBOTTS ROAD (25/04/2023)
4. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM PM 33562 R.L. 43.021 (A.H.D.) IN MAMRE ROAD
5. CONTOUR INTERVAL 0.5m
6. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
7. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
8. NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
9. 8/47 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
10. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH

DEWATERING

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

EXISTING UNDERGROUND SERVICES

1. 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.
2. 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.
3. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
4. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
5. 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.
6. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR IS TO CONFIRM THE ALIGNMENT AND LEVELS OF ALL EXISTING SERVICES AT ALL LOCATIONS WHERE THE PROPOSED SERVICES ARE TO CROSS, CONNECT TO, OR ARE LOCATED IN CLOSE PROXIMITY TO THE EXISTING SERVICES.

CONCRETE NOTES

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.
3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
 4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
 5. 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.
 6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH TNSW SPECIFICATION R83.
 7. REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304
- NUMBER OF BARS IN GROUP BAR GRADE AND TYPE
- 17 N 20 250
- NOMINAL BAR SIZE IN mm SPACING IN mm
- THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:
- 25 MIN LAP TWO WIRES

DECOMMISSIONING / DEMOLITION

1. EXISTING INTERNALS FENCING, CATTLE YARDS, UTILITIES AND OTHER REDUNDANT STRUCTURES TO BE DEMOLISHED AND REMOVED TO AN APPROVED WASTE MANAGEMENT FACILITY.
2. DAM DECOMMISSIONING TO BE COMPLETED AS PER THE DAM DECOMMISSIONING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).
3. ALL EXISTING SERVICES SHALL BE REMOVED FROM SITE.
4. ALL UNDERGROUND CABLES AND PIPES SHALL BE GRUBBED OUT AND CAPPED AT THE BOUNDARY OF THE SITE.
5. ALL OVERHEAD SERVICES SHALL BE REMOVED FROM WITHIN THE SITE BOUNDARY AND MADE SAFE AT THE TERMINATION LOCATION. ANY POLES SHALL BE REMOVED FROM THE SITE.
6. ALL EXISTING SERVICES TO BE CONSIDERED AS LIVE UNTIL THE CONTRACTOR HAS TESTED AND CONFIRMED TO THE SUPERINTENDENT THAT THE SERVICES ARE DEAD / REDUNDANT.

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa 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 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER 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. BROOM FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :- IF REQUIRED 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.

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
(A) AVERAGE RECURRENCE INTERVAL:-
1100 YEARS MAJOR STORM (OVERLAND FLOW)
120 YEARS MINOR STORM (PIPED NETWORK)
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 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 DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. PIPES TO BE INSTALLED TO TYPE HS2 SUPPORT IN ACCORDANCE WITH AS 3725 IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND ASINZS 3500 3.2 (1998).
8. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
9. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
11. GRATES AND COVERS SHALL CONFORM TO AS 3996 AND PENRITH CITY COUNCIL CONSTRUCTION SPECIFICATIONS.
12. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
13. 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.
14. ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS, UNLESS APPROVED BY THE SUPERINTENDENT / PENRITH CITY COUNCIL. IF APPROVED AND IN ADDITION TO THE SPECIFICATION.
A. ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT AUSTRALIAN STANDARDS (AS3600, AS3996).
B. ALL PRECAST PITS TO BE FOUNDED ON CONCRETE BLINDING LAYER WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPA UP TO 3.0M DEPTH TO INVERT AND 150KPA FROM 3.0M TO 6.0M DEPTH TO INVERT (MINIMUM 100MM THICK 25MPA OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS ACHIEVED).
C. PRE-CAST STORMWATER PITS ARE TO BE CUSTOM MADE WITH OPENINGS WITHIN +50MM OD OF PIPE, HEIGHTS AND PIPE PENETRATIONS DURING MANUFACTURE. ANY ADDITIONAL PENETRATIONS SHALL BE CORE DRILLED AND STEEL BLOWN OUT TO MANUFACTURERS REQUIREMENTS, IF REQUIRED.
D. DEMOLITION SAWS ARE NOT TO BE USED IN ANY CIRCUMSTANCES.
E. SINGLE UNITS PREFERRED BUT IF REQUIRED MINIMUM RISER DEPTH 600MM PIT INSTALLATION AND JOINTING PIPES TO PITS SHALL BE UNDERTAKEN IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
F. ANY DAMAGE TO THE STRUCTURAL INTEGRITY OF THE PRE-CAST PIT WILL BE REPAIRED AND STRUCTURALLY CERTIFIED TO THE SATISFACTION OF THE SUPERINTENDENT / PENRITH CITY COUNCIL.
G. ALL PRE-CAST PIT PENETRATIONS SHALL BE CUT SO THAT IT IS FLUSH WITH THE INTERNAL WALL.
H. PIPE JOINTING/SEALING OF PIPE PENETRATION TO BE WITH A NON-SHRINK MORTAR MIX, E.G. LANKO 702 DURABED OR SIMILAR APPROVED.
I. SUBSOIL DRAINAGE FLUSHING AND/OR INTERMEDIATE RISERS TO BE INSTALLED AT 40m CENTRES, AND AT ALL UPSTREAM ENDPOINTS.
J. ANY ADDITIONAL PENETRATIONS TO ANY STRUCTURAL CONCRETE (E.G. STORMWATER PITS, CULVERTS, HEADWALLS ETC.) SHALL BE CORE DRILLED AND STEEL BLOWN OUT TO MANUFACTURERS REQUIREMENTS, IF REQUIRED.

EARTHWORKS NOTES

1. WHERE EARTHWORKS ARE TO BE CONSTRUCTED ON OR AGAINST ANY EMBANKMENTS OR AGAINST ANY SLOPES AND THE EMBANKMENT/SLOPE IS STEEPER THAN 10(H):1(V) IN ANY DIRECTION, THE CONTRACTOR SHALL CUT TERRACES INTO THE SLOPE TO A MINIMUM DEPTH OF 300mm, EXCEPT WHERE SLOPES ARE STEEPER THAN 4(H):1(V) WHERE, MINIMUM DEPTH SHALL BE 600mm, TO ALLOW ADEQUATE KEY AND COMPACTION OF MATERIAL.
2. THE CONTRACTOR SHALL PRODUCE A MATERIAL TRACKING REGISTER FOR ALL IMPORT AND EXPORT MATERIAL INCLUDING DEMOLITION WASTE. FOR INSTANCES WHERE CONTAMINATED MATERIAL IS EXPORTED FROM THE SITE, THE CONTRACTOR SHALL ENSURE A CHAIN OF CUSTODY REPORT AND CERTIFICATES ARE PROVIDED FOR THE CONTAMINATED MATERIAL.
3. EARTHWORKS SHALL BE IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION AND FILL MANAGEMENT PROTOCOL.

DESIGN & CERTIFICATION

REQUIREMENTS

1. THE CONTRACTOR IS TO PROVIDE STRUCTURAL CERTIFICATION ON ALL STRUCTURAL ELEMENTS, INCLUDING DESIGN CERTIFICATION AND FINAL CONSTRUCTION CERTIFICATION. THIS INCLUDES:
 - * ALL RETAINING WALLS
 - * CULVERTS EXCLUDING BASE SLABS
 - * HEADWALLS
 - * STORMWATER STRUCTURESALL STRUCTURAL CERTIFICATES MUST BE PROVIDED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER.

CONSTRUCTION SPECIFICATION

1. THESE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH PENRITH CITY COUNCIL'S LATEST REVISION OF THE 'ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS'
2. WHERE THERE IS A CONFLICT THE FOLLOWING IS TO OCCUR
 - 2.1. NOTIFY THE DESIGN ENGINEER AND/OR SUPERINTENDENT
 - 2.2. THE PENRITH CITY COUNCIL'S SPECIFICATION TAKES PRECEDENCE

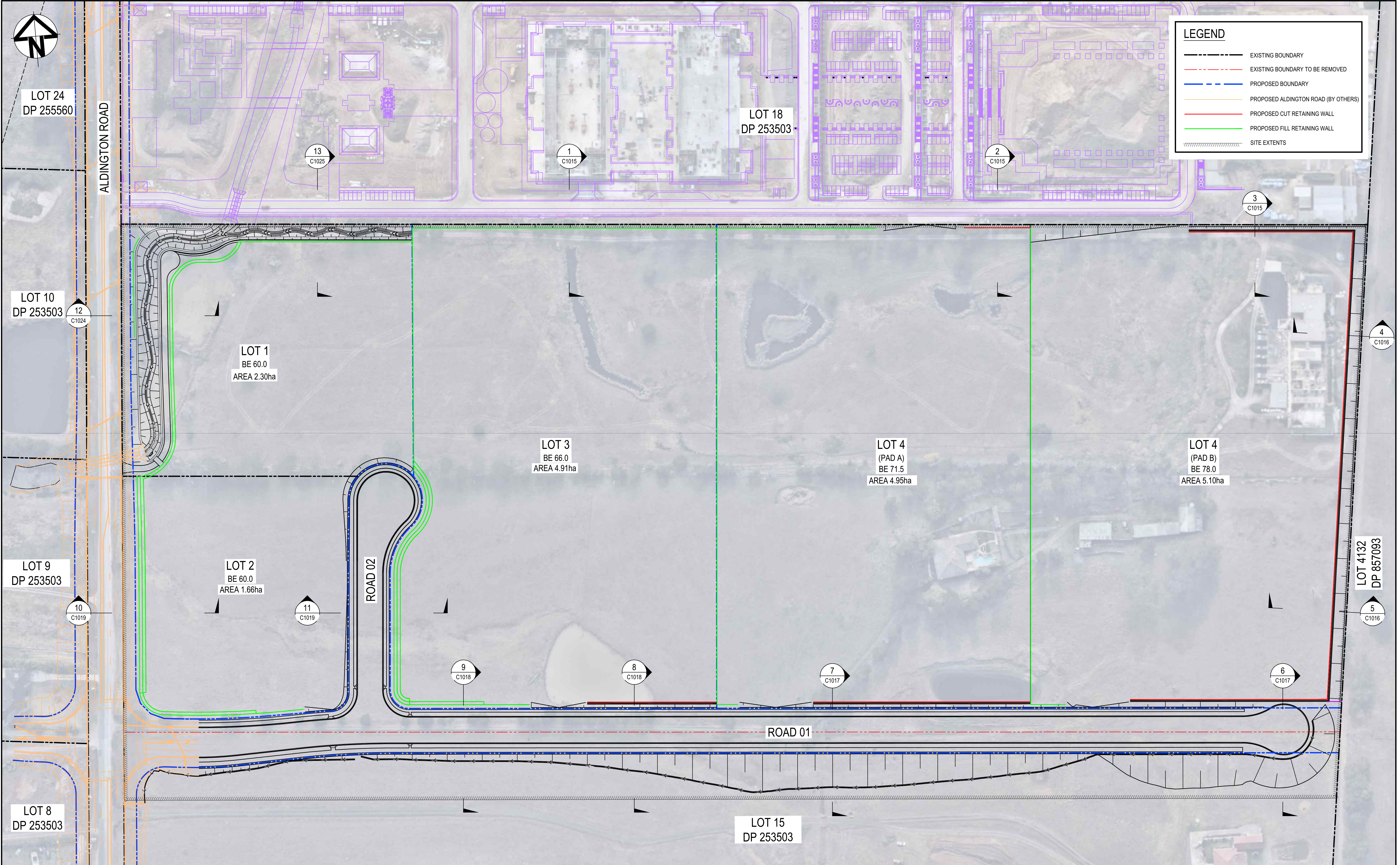


CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

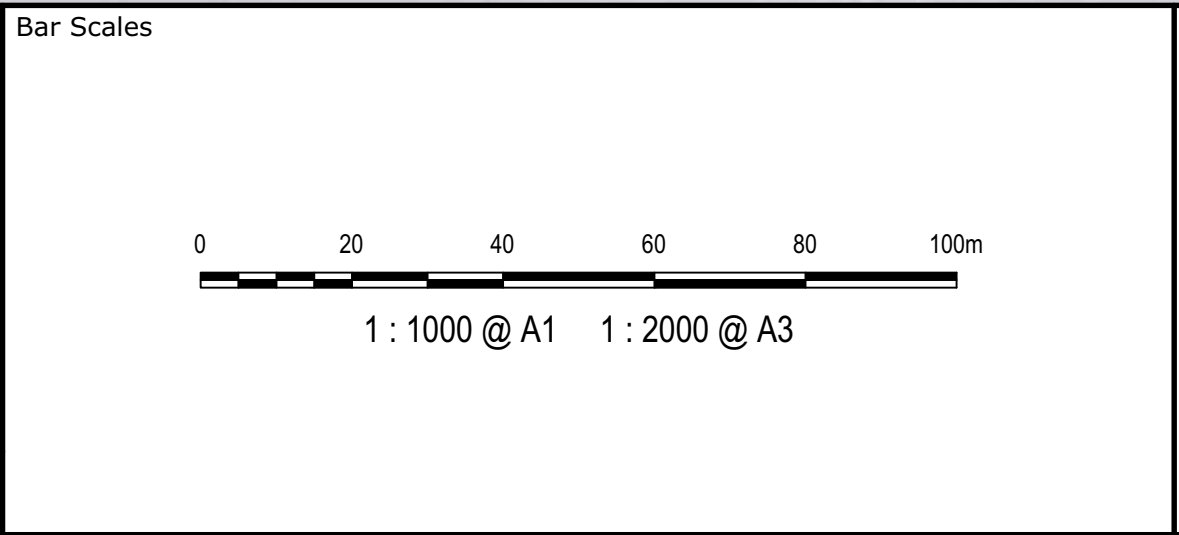


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100mm on Original



Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	12-04-23



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Client

**Stockland**



Scales	1:1000	Drawn	JH
		Designed	JH
Grid	2020 GDA	Checked	DF
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

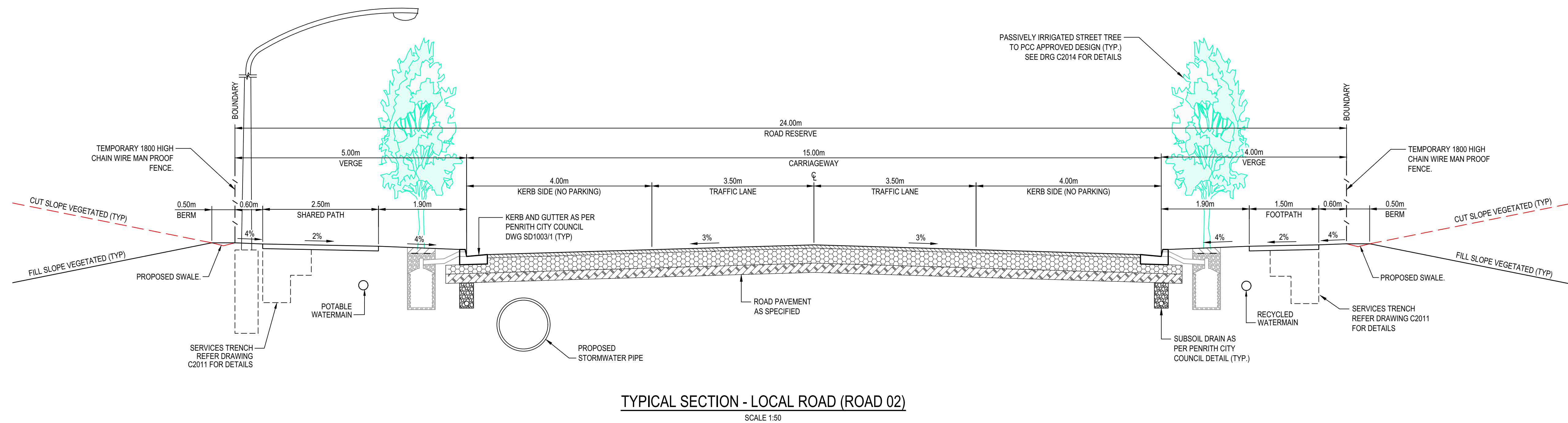
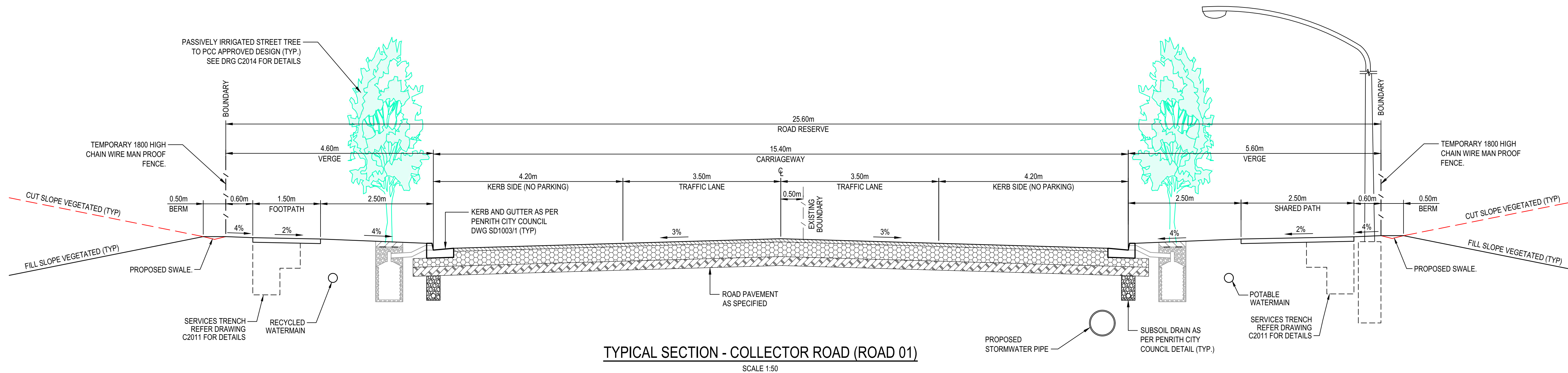
GENERAL ARRANGEMENT

Civil Engineers and Project Managers

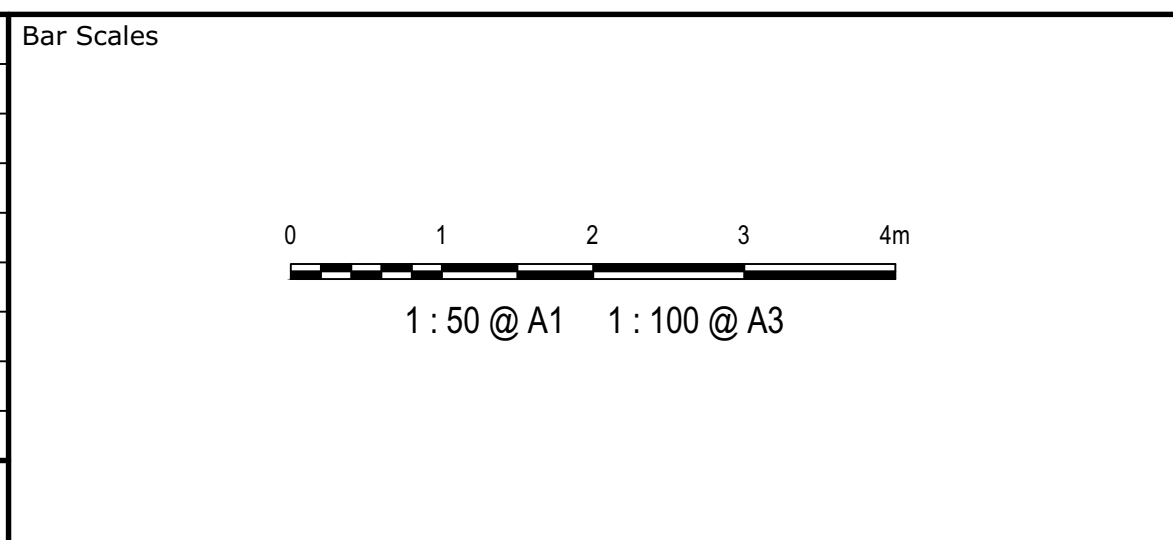
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405



Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1005	Issue D



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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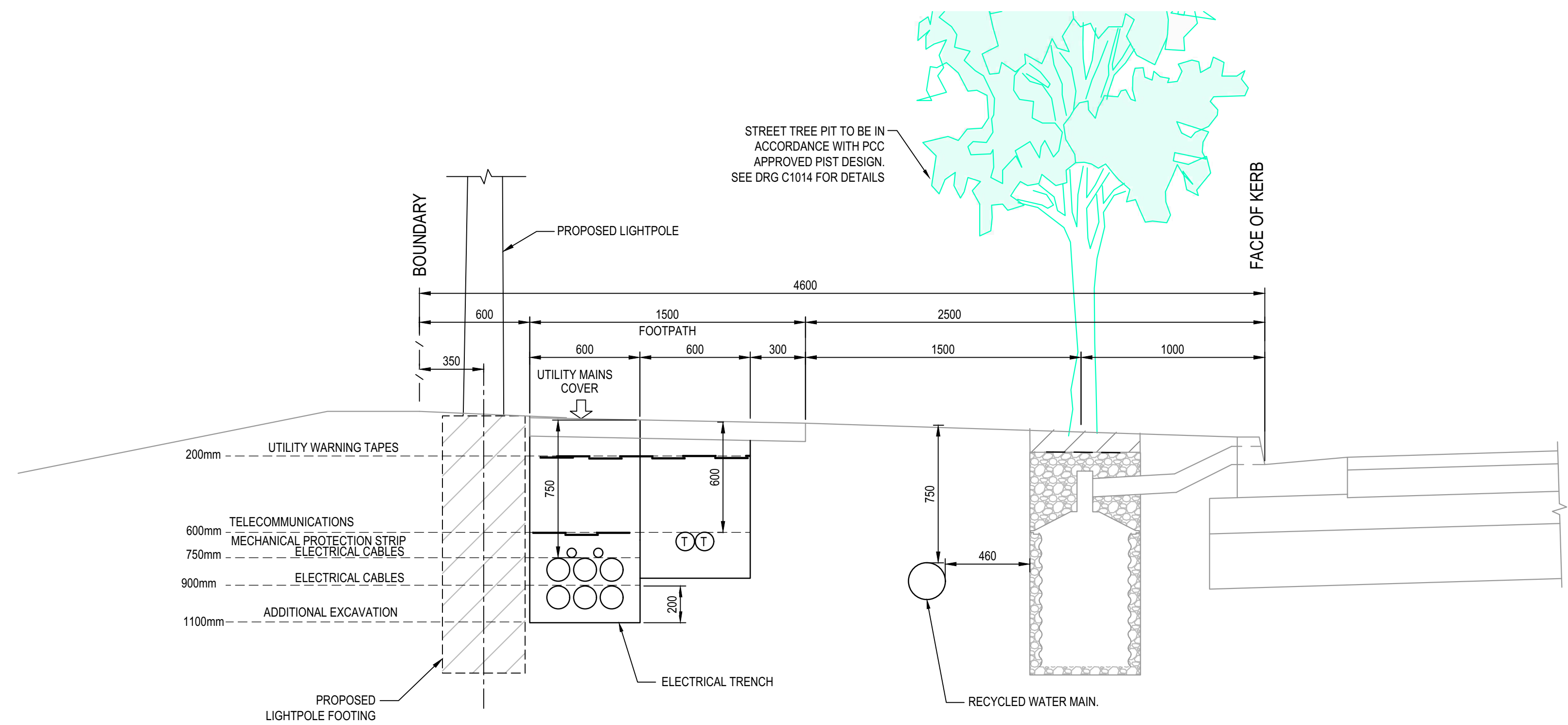


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		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

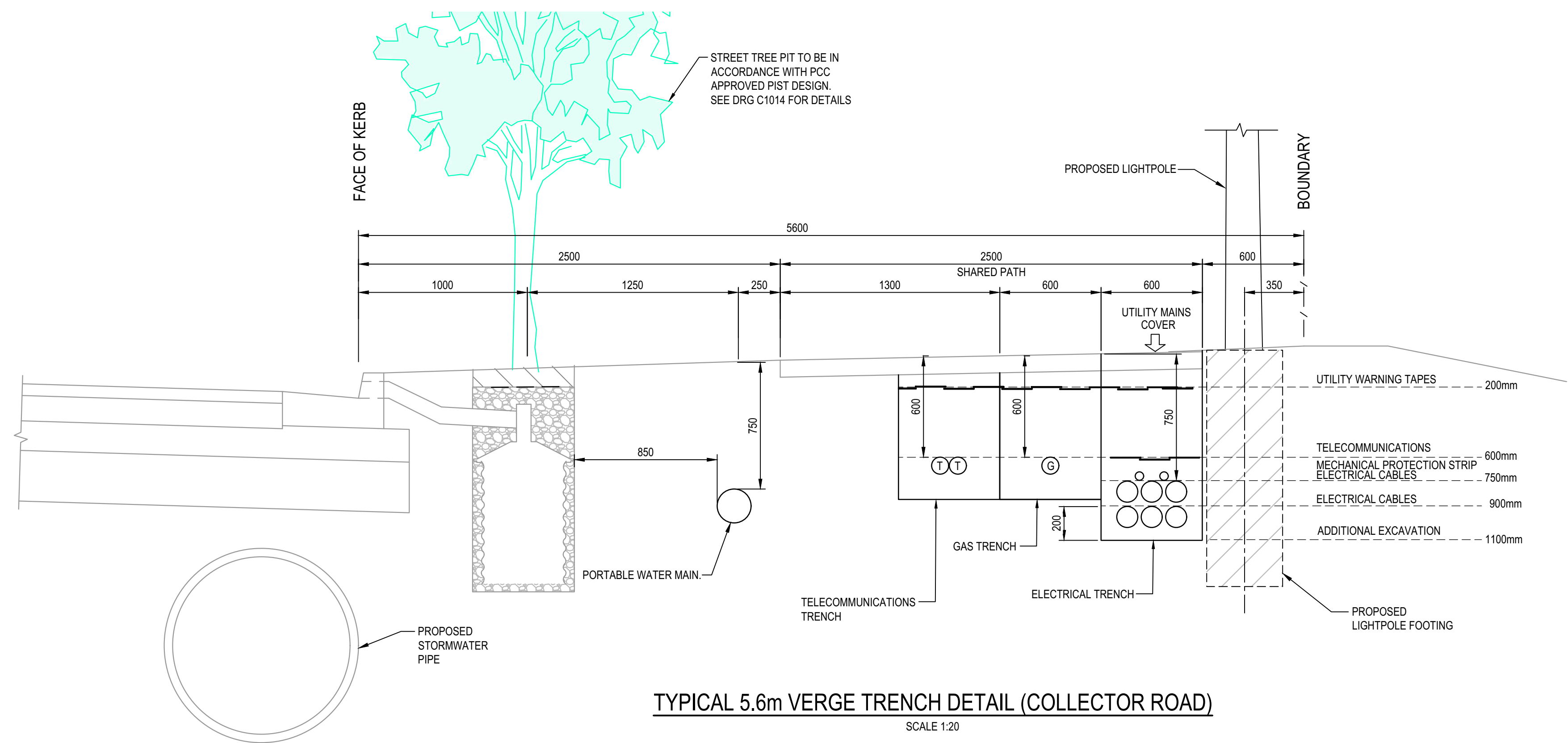
Project	270 ALDINGTON ROAD
Title	TYPICAL ROAD SECTIONS SHEET 1

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
at&l		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1010	Issue D

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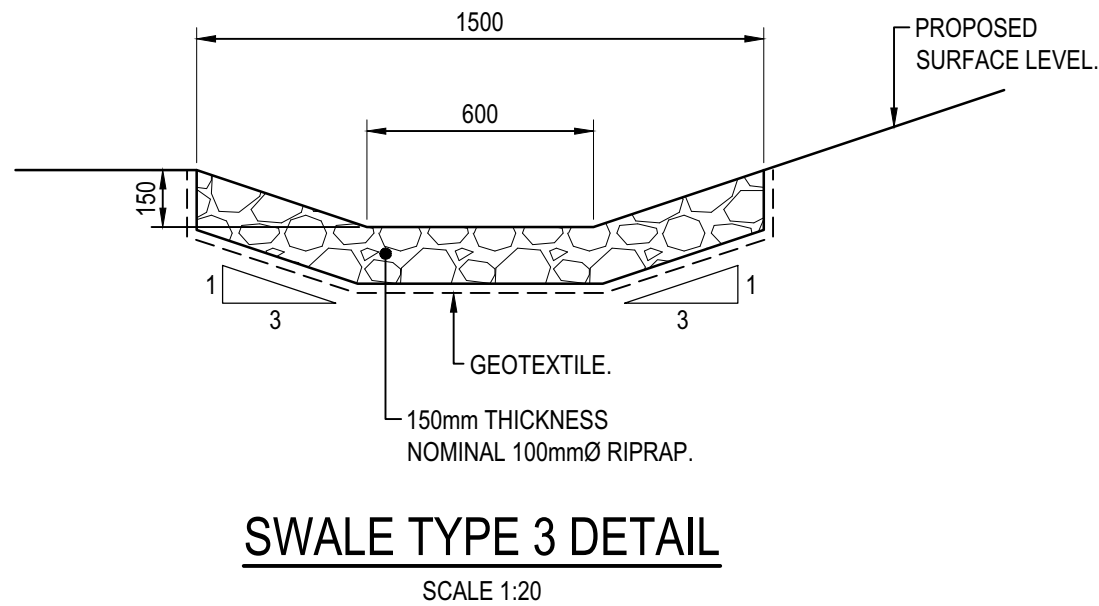
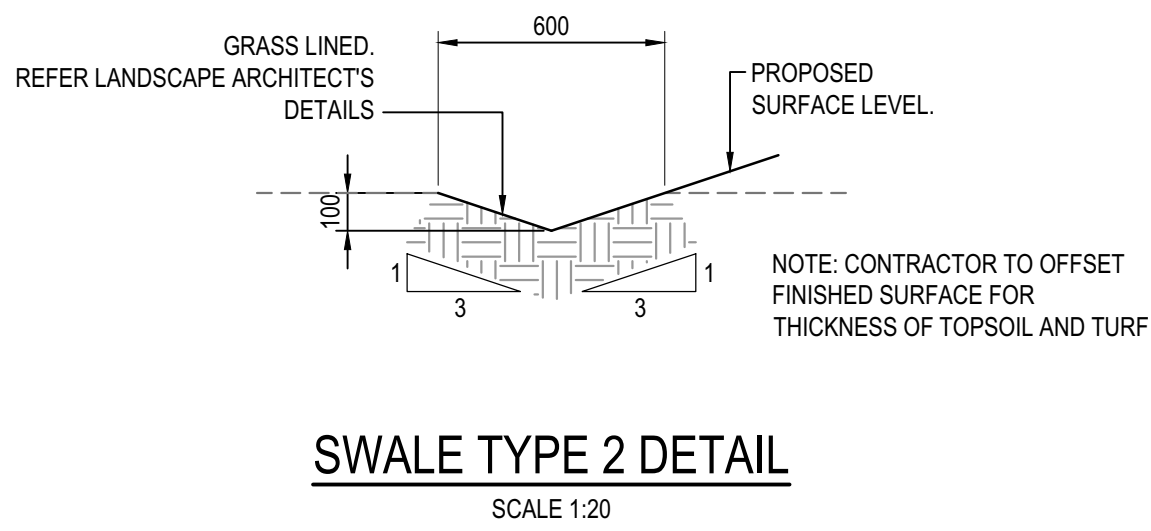
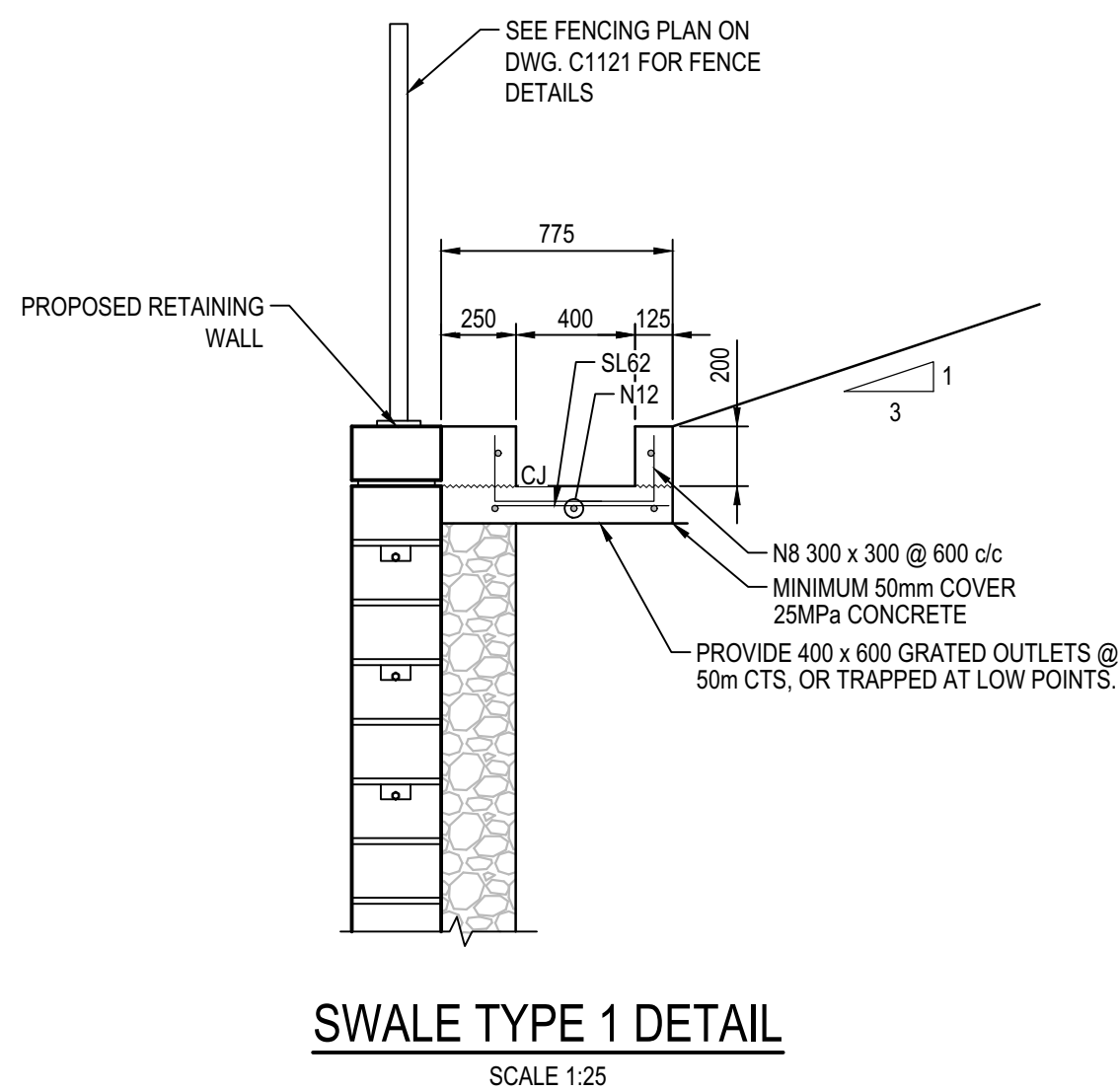


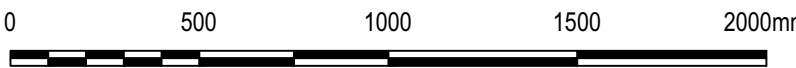
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SCALE 1:20

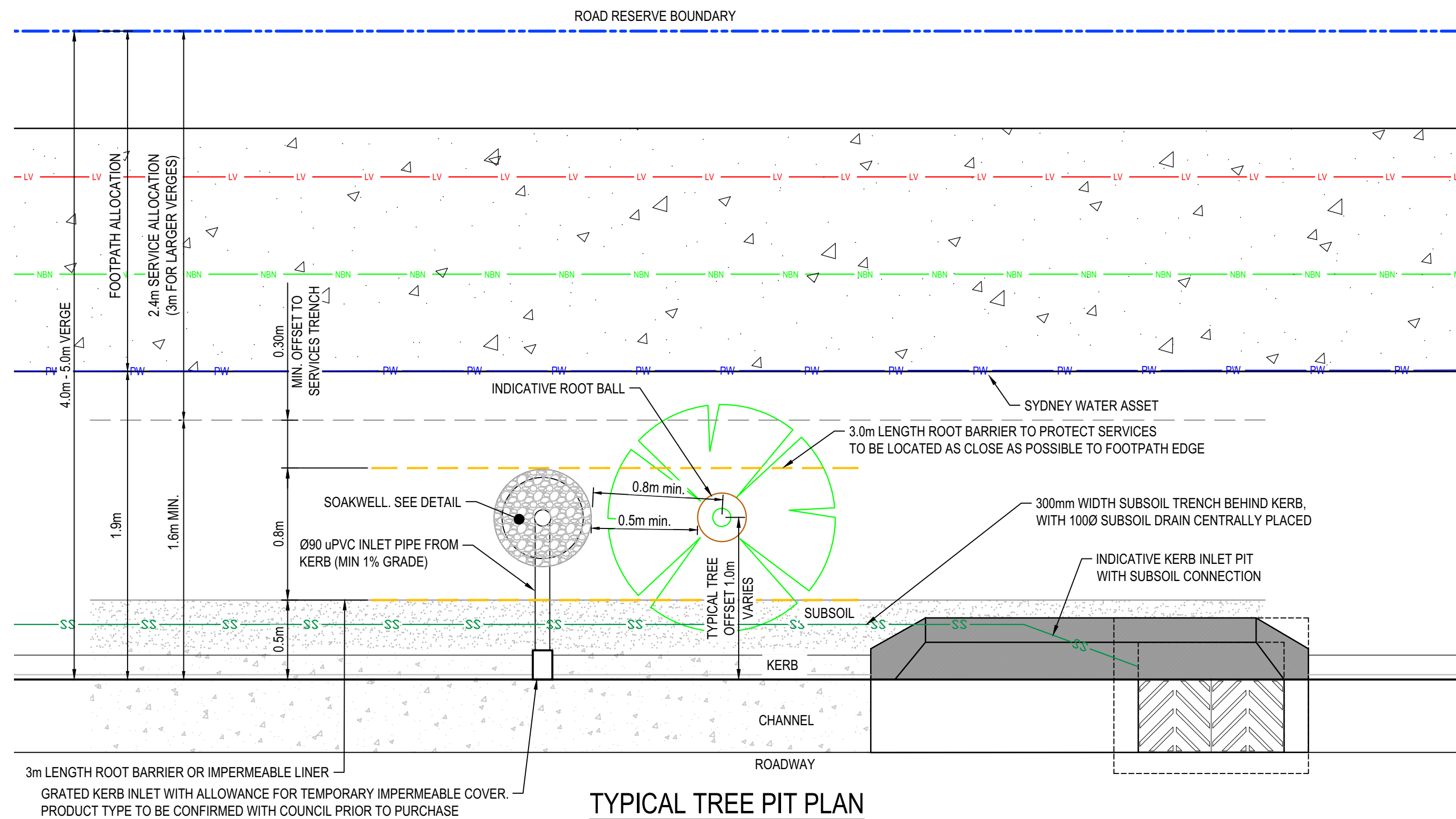


TYPICAL 5.6m VERGE TRENCH DETAIL (COLLECTOR ROAD)
SCALE 1:20

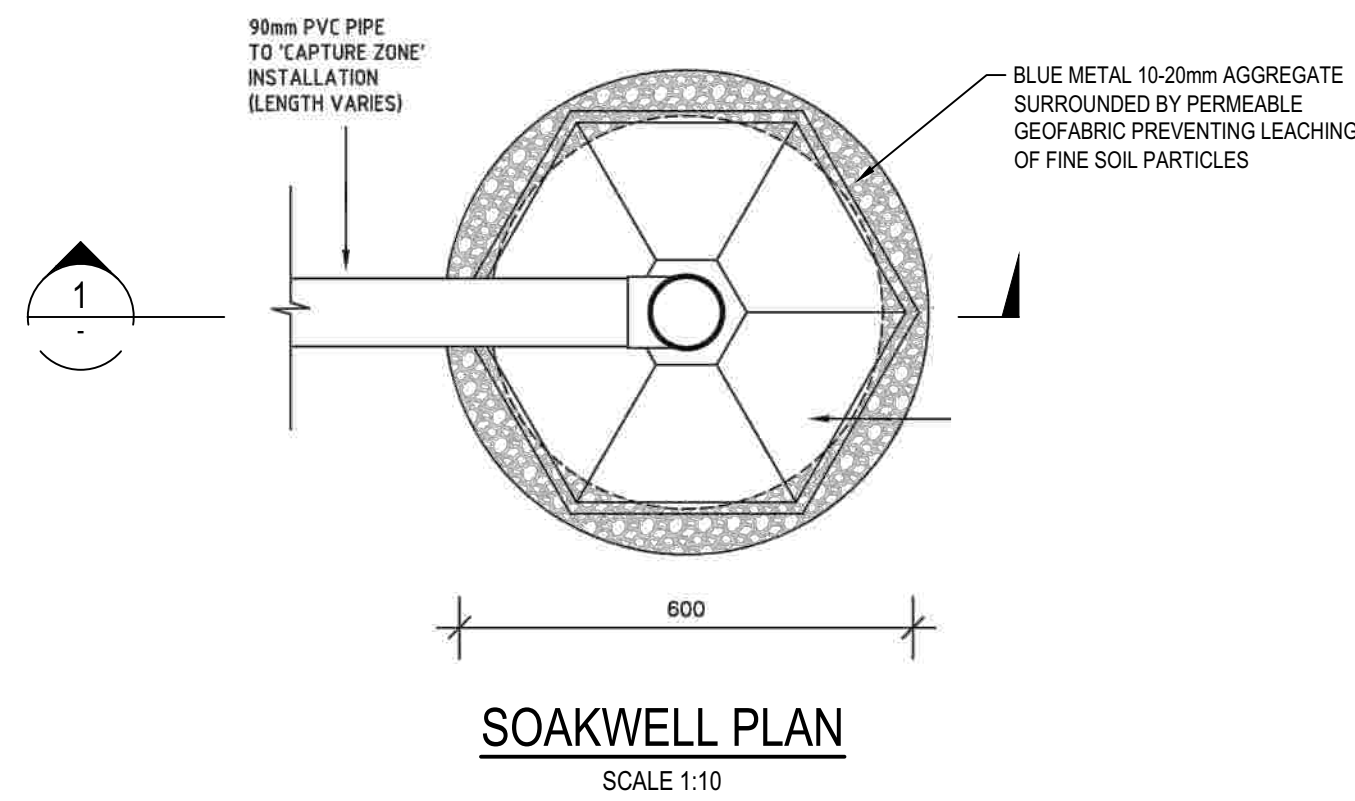
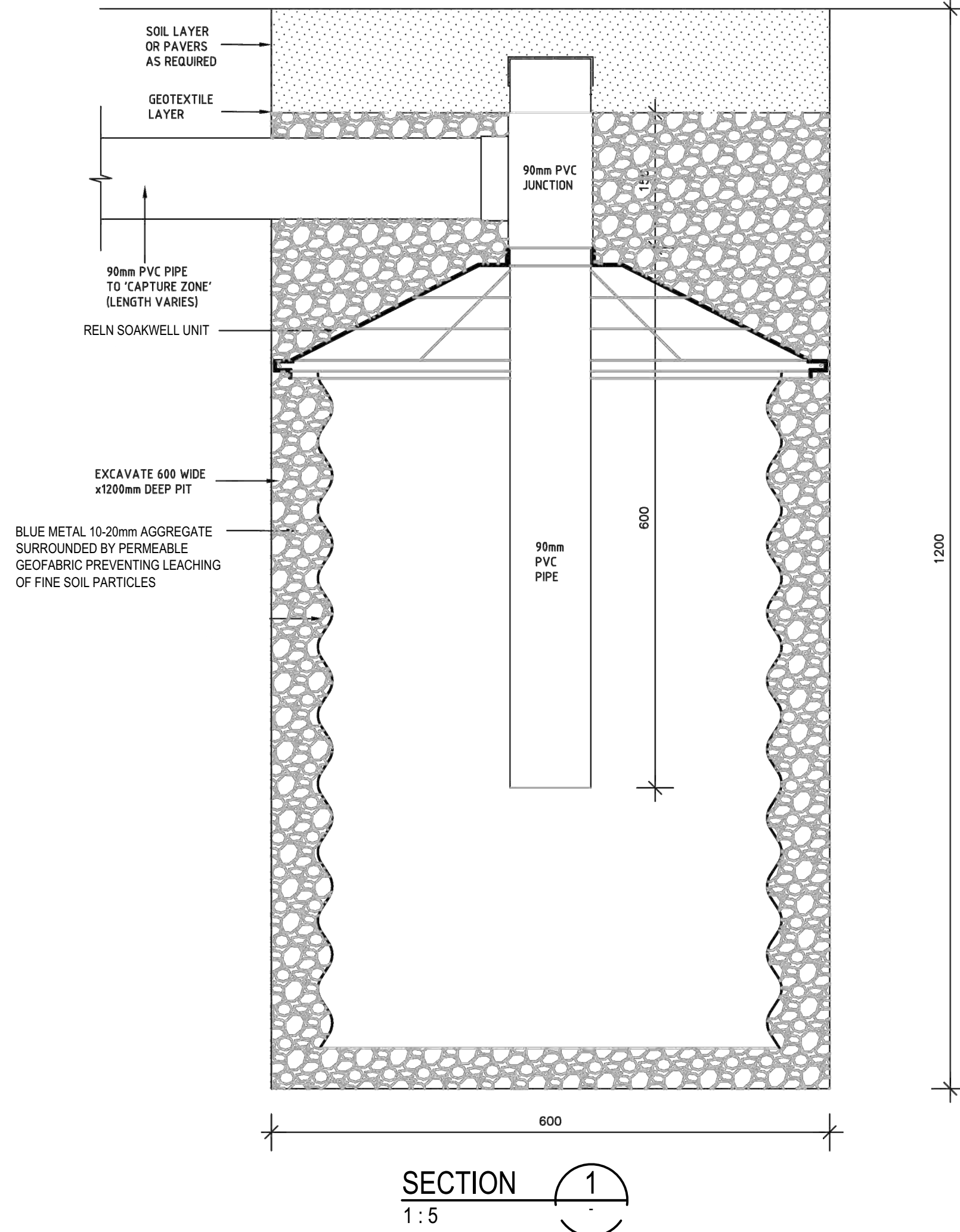
			Bar Scales	0 500 1000 1500mm 1 : 20 @ A1 1 : 40 @ A3	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client  	Scales 1:20	Drawn JH	Project 270 ALDINGTON ROAD	Civil Engineers and Project Managers Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405 					
D	FOR APPROVAL	16-05-25					Grid 2020 GDA	Checked ADS	Title TYPICAL ROAD SECTIONS SHEET 3	Status FOR APPROVAL NOT FOR CONSTRUCTION		A1			
C	FOR APPROVAL	17-02-25					Height Datum AHD	Approved			Project - Drawing No. 22-1041-C1012		Issue D		
B	FOR TENDER	16-09-24													
A	PRELIMINARY ISSUE	01-11-23													
Issue	Description	Date													



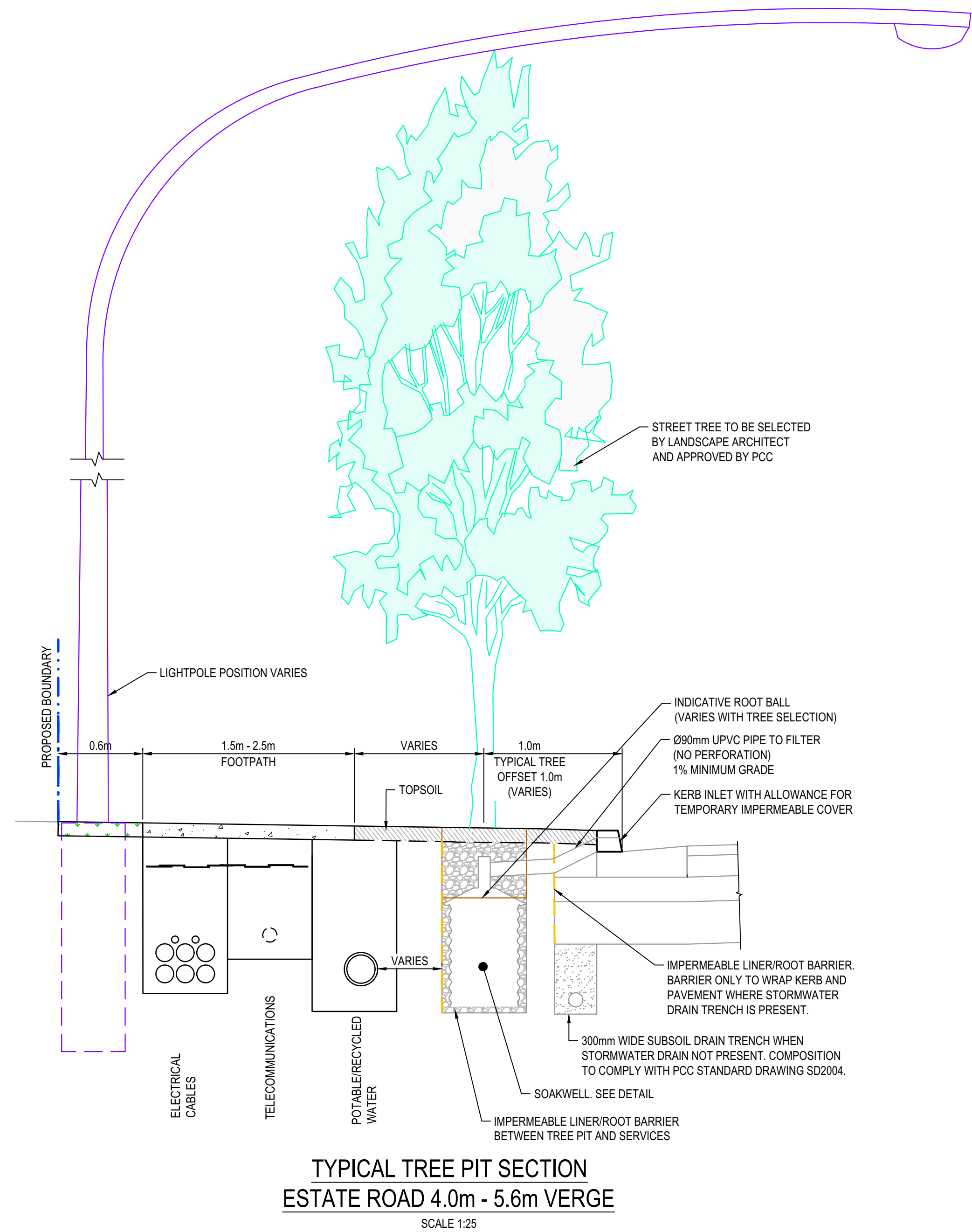
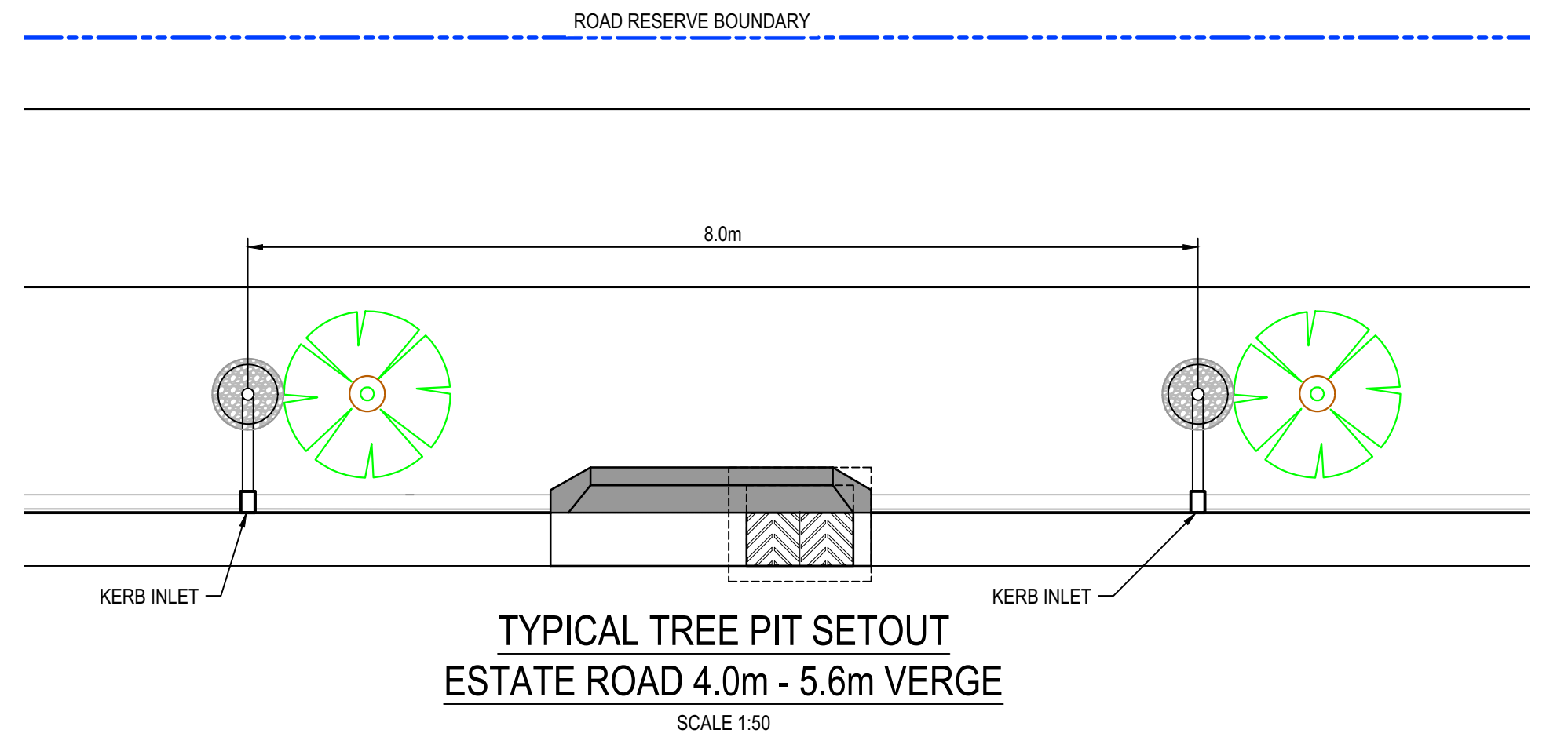
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					 Stockland	AS SHOWN	Designed	ADS	270 ALDINGTON ROAD	
						Grid 2020 GDA	Checked	AM		Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405
D	FOR APPROVAL	16-05-25	1 : 20 @ A1 1 : 40 @ A3	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		Height Datum AHD	Approved		TITLE	
C	FOR APPROVAL	17-02-25	1 : 25 @ A1 1 : 50 @ A3						TYPICAL DETAILS SHEET 1	FOR APPROVAL NOT FOR CONSTRUCTION
B	FOR TENDER	16-09-24								A1
A	PRELIMINARY ISSUE	01-11-23								Issue
Issue	Description	Date								D



TYPICAL TREE PIT PLAN
ESTATE ROAD 4.0m - 5.6m VERGE
SCALE 1:25

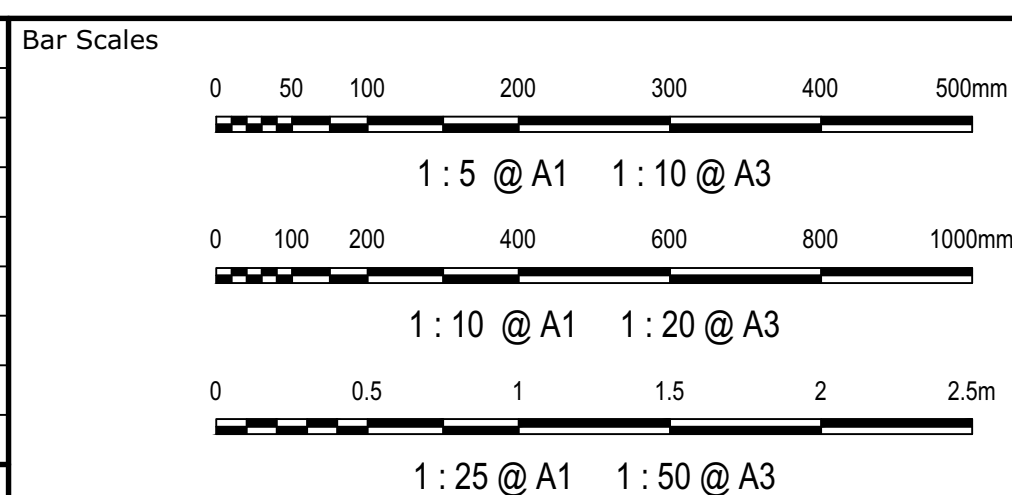


- NOTES:**
1. SUBSOIL DRAINAGE SHALL BE CONSTRUCTED ADJACENT TO EACH PASSIVELY IRRIGATED STREET TREE (PIST) AND CONNECTED TO A STORMWATER DRAINAGE PIT.
 2. THE SUBSOIL DRAINAGE UNDER THE KERB CAN BE USED FOR THE PURPOSE OF PIST.
 3. IN AREAS WHERE THERE IS STORMWATER DRAINAGE PIPES, A SEPARATE SUB SOIL DRAINAGE LINE SHALL BE CONSTRUCTED FOR PIST. A CHIMNEY DESIGN MAY BE CONSIDERED SUBJECT TO COUNCIL'S APPROVAL.



TYPICAL TREE PIT SECTION
ESTATE ROAD 4.0m - 5.6m VERGE
SCALE 1:25

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23



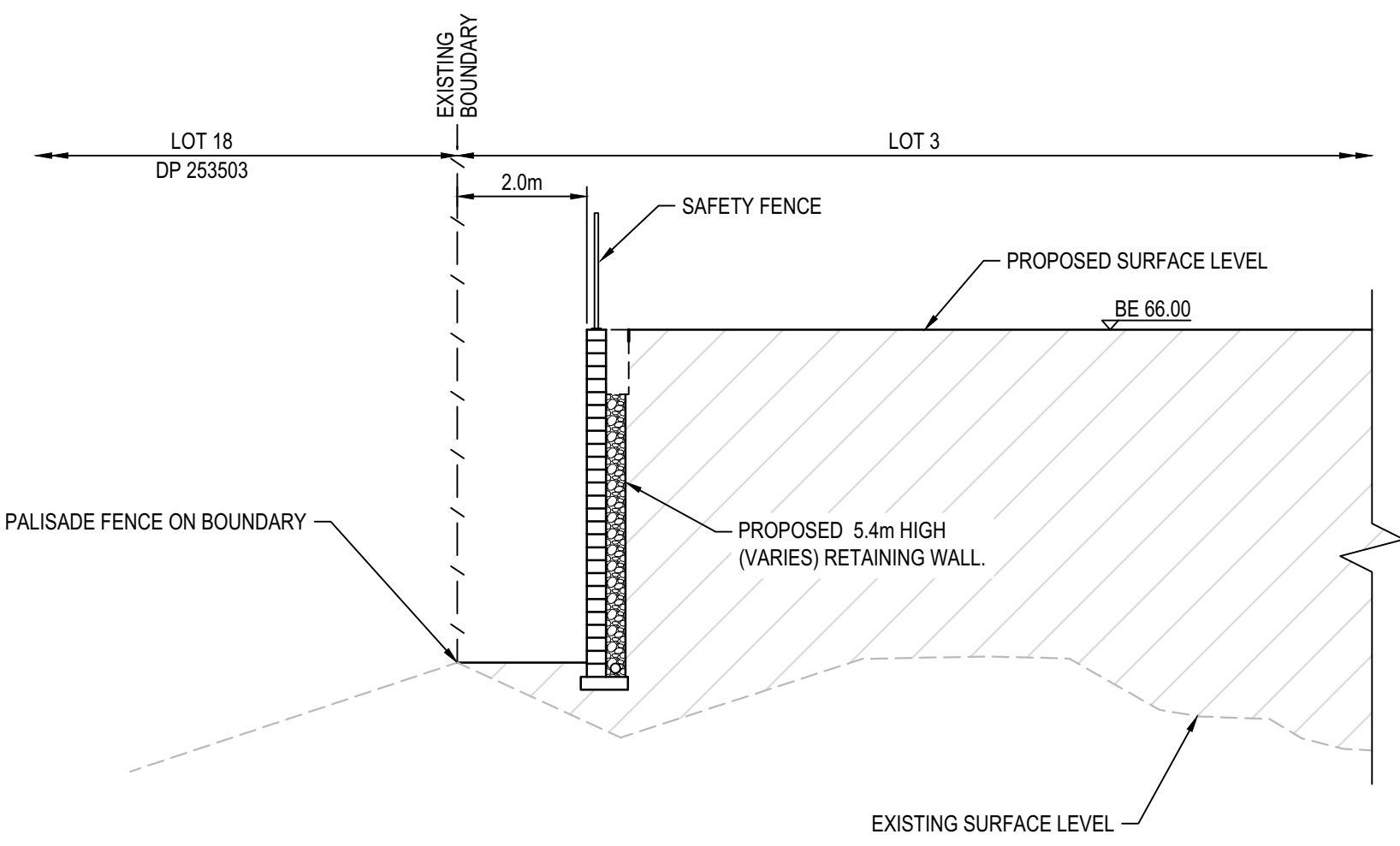
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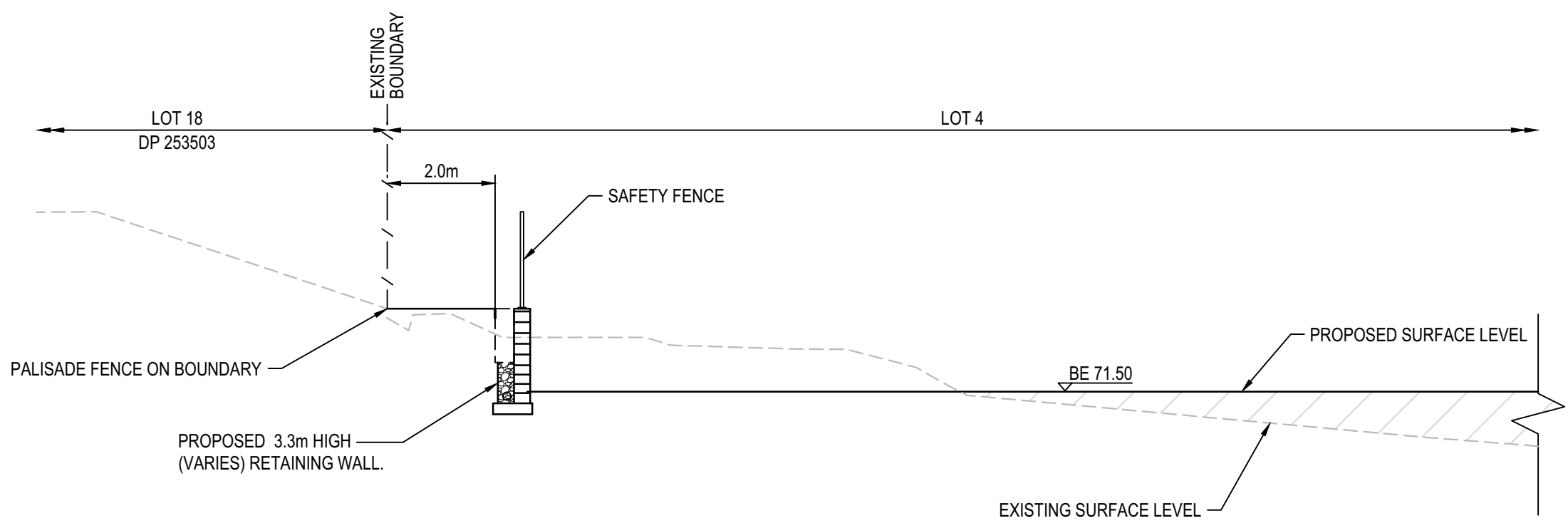
Scales	AS SHOWN	Drawn	JH
Grid	2020 GDA	Designed	ADS
Height Datum	AHD	Checked	AM
		Approved	

Project	270 ALDINGTON ROAD
Title	TYPICAL DETAILS SHEET 2

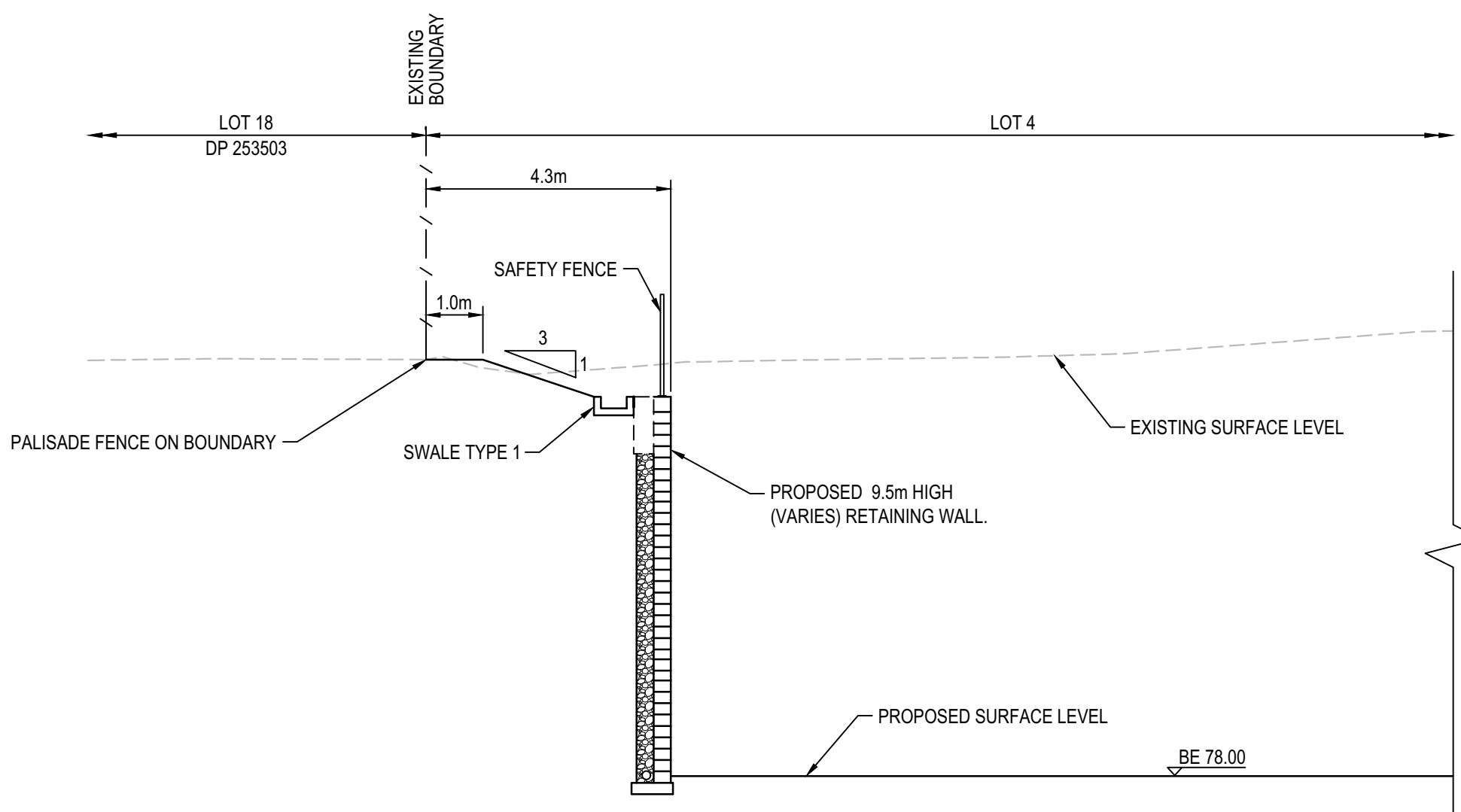
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1014	Issue D



SECTION 1
1 : 100

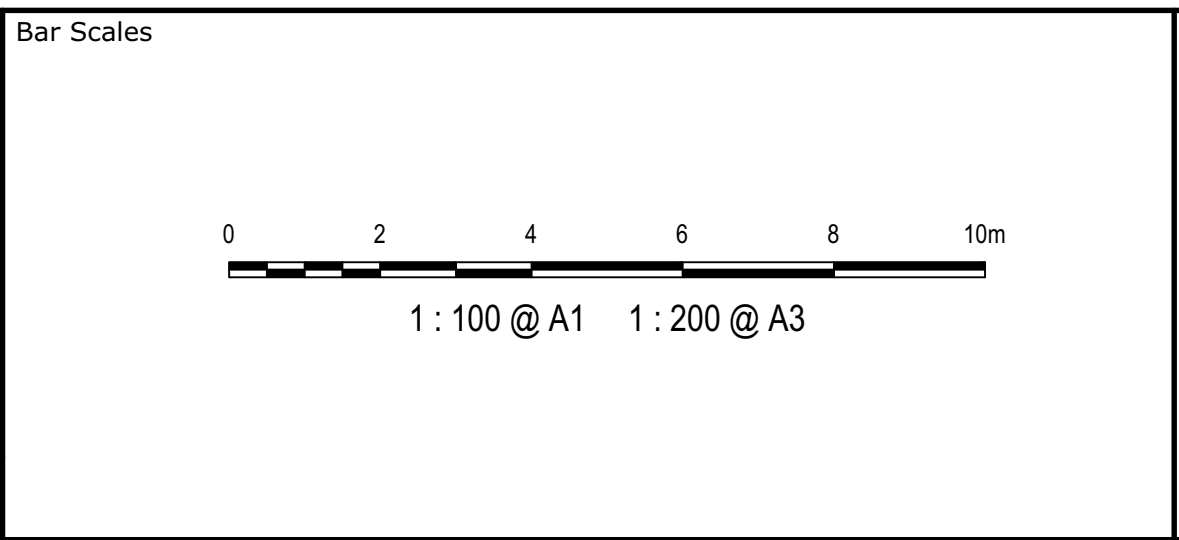


SECTION 2
1 : 100



SECTION 3
1 : 100

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

TYPICAL SITE SECTIONS
SHEET 1

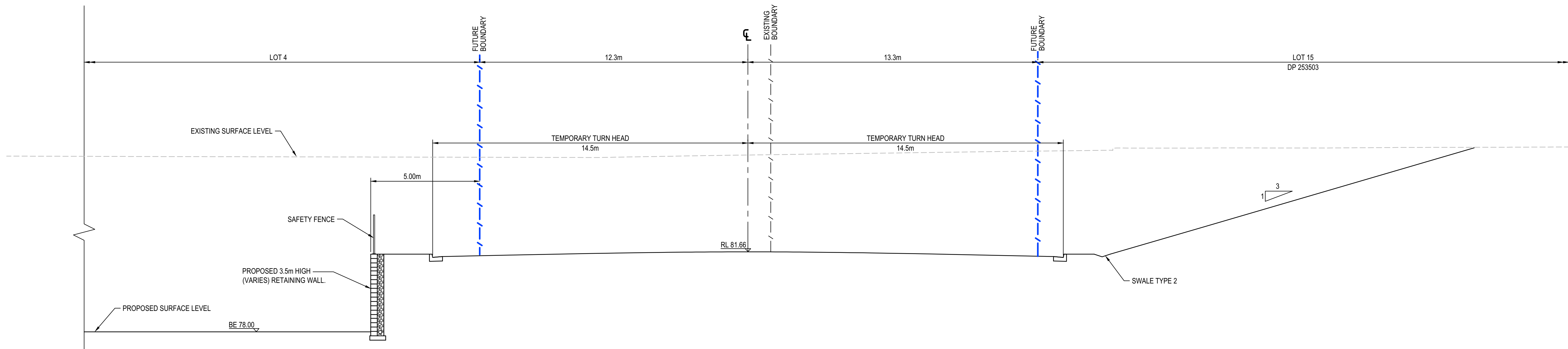
Civil Engineers and Project Managers



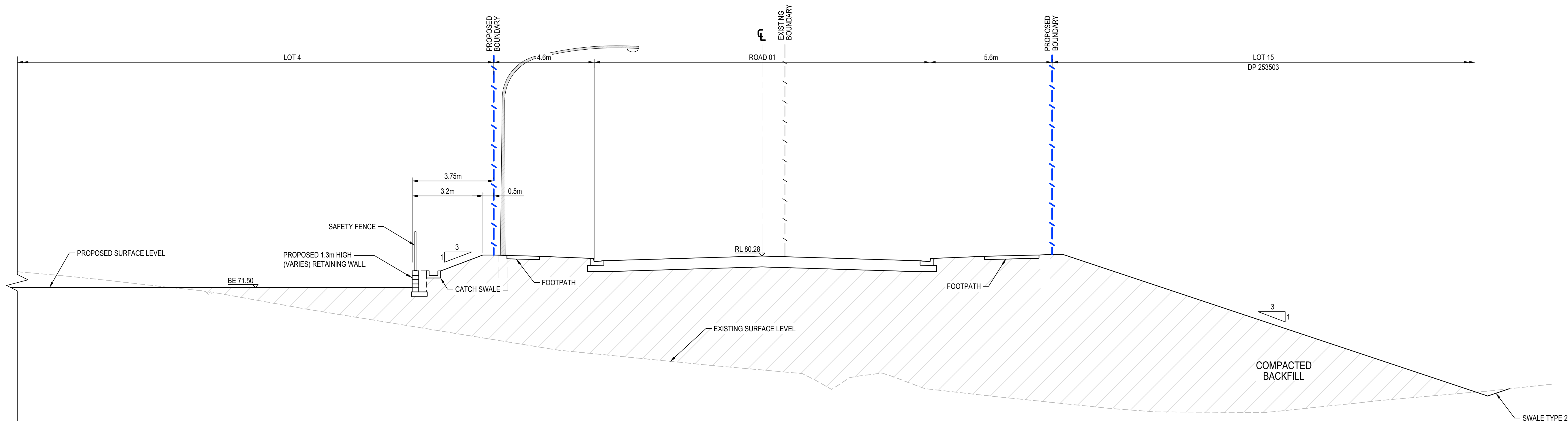
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1015	Issue D

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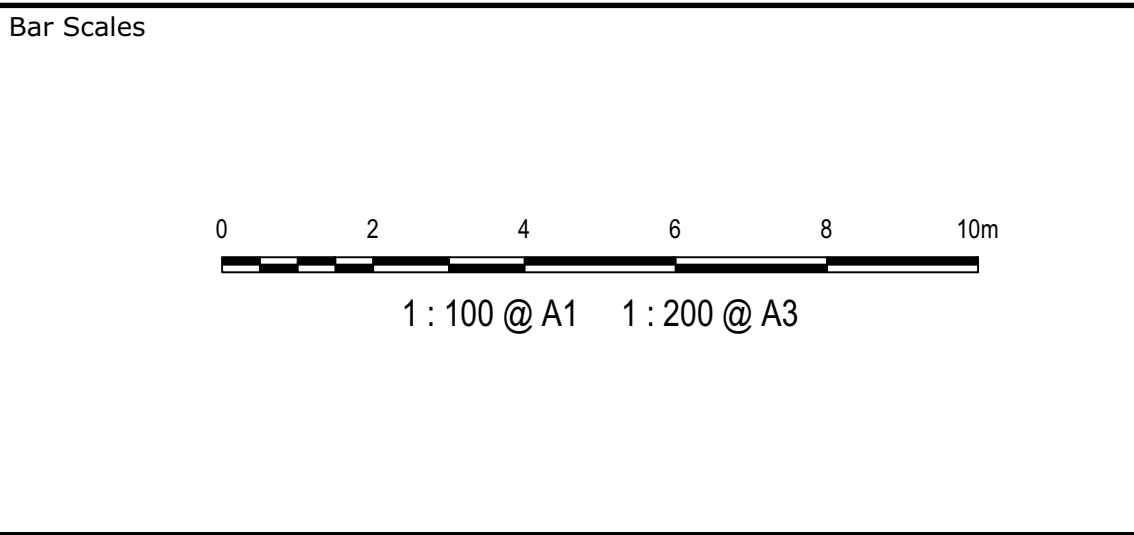


SECTION 6
1 : 100



SECTION 7
1 : 100

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C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

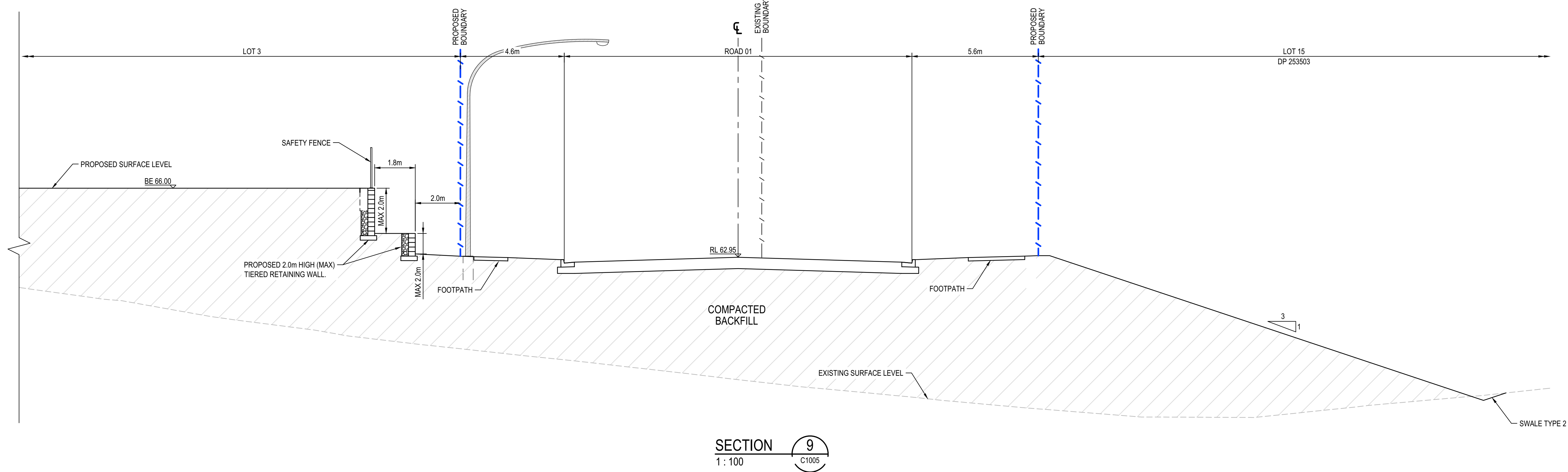
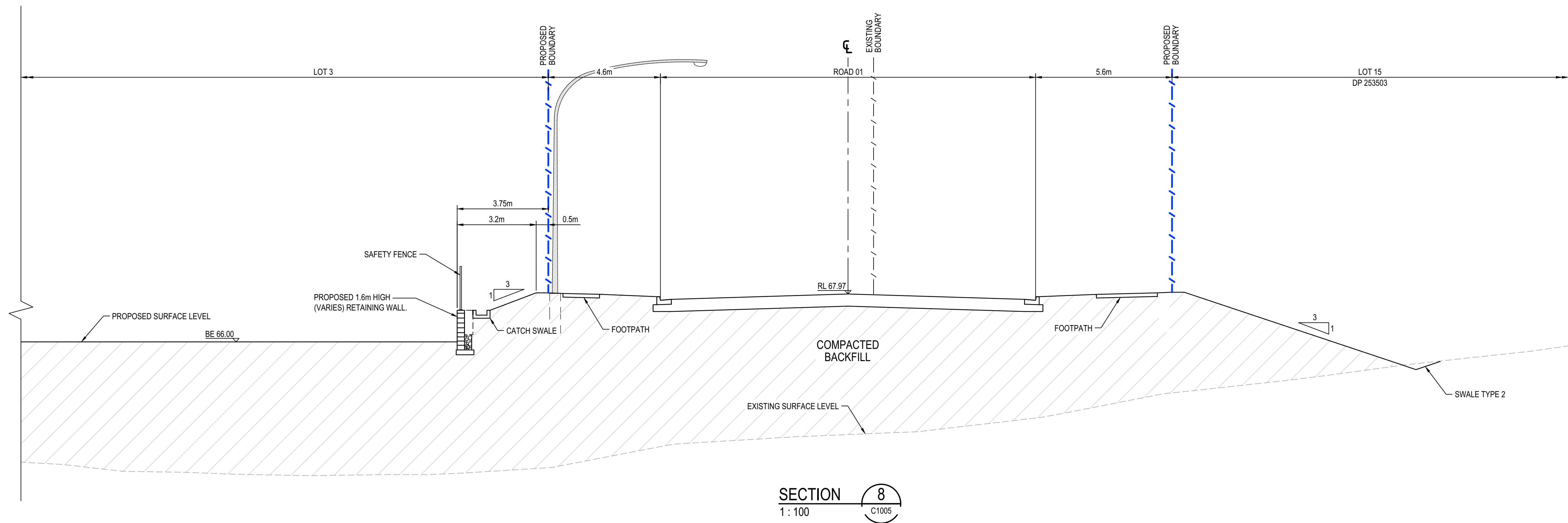
Project	270 ALDINGTON ROAD
Title	TYPICAL SITE SECTIONS SHEET 3

Civil Engineers and Project Managers

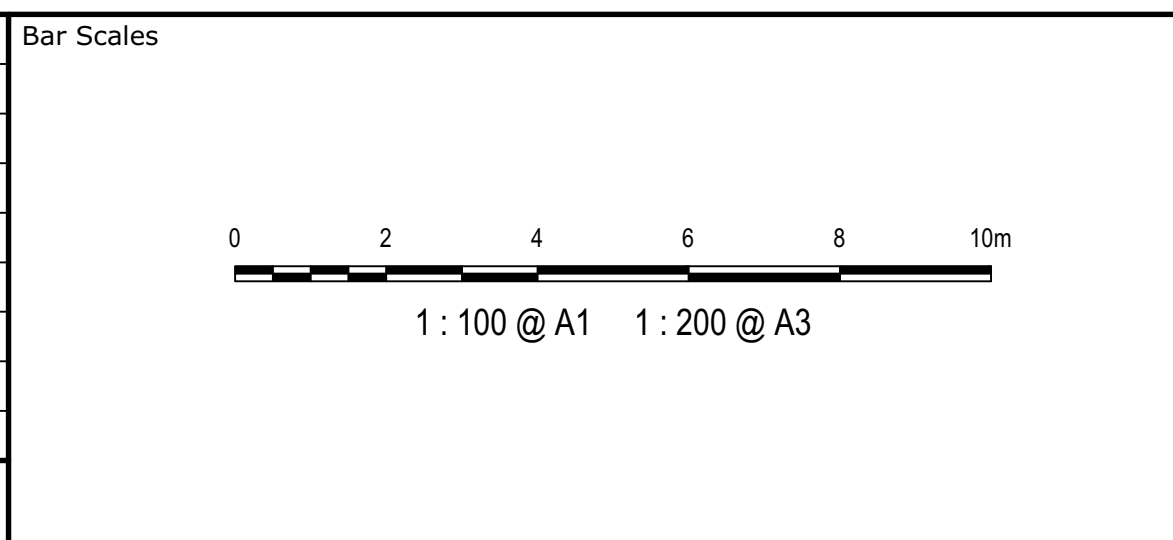
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North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

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Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1017	Issue D



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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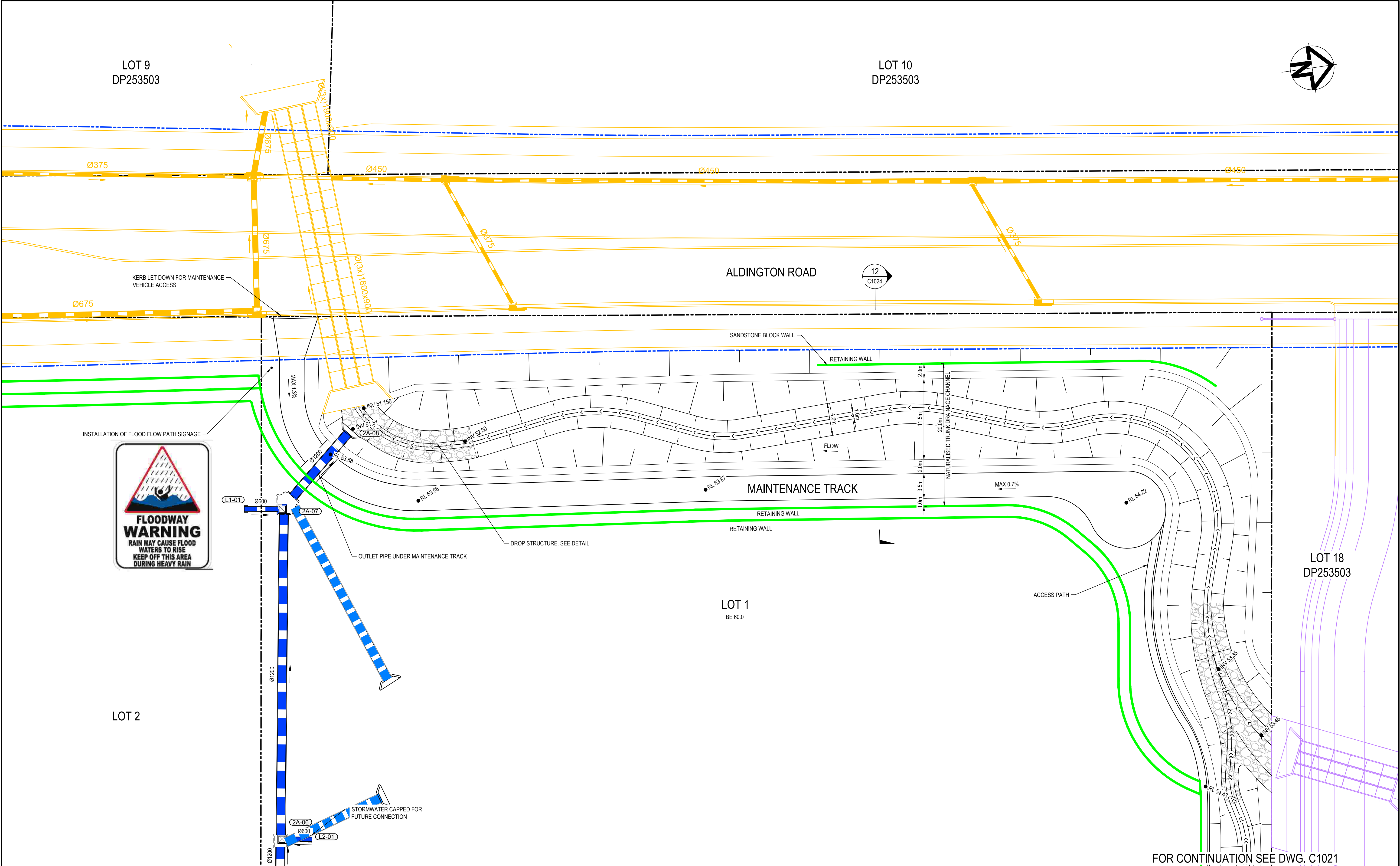
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Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project	270 ALDINGTON ROAD
Title	TYPICAL SITE SECTIONS SHEET 4

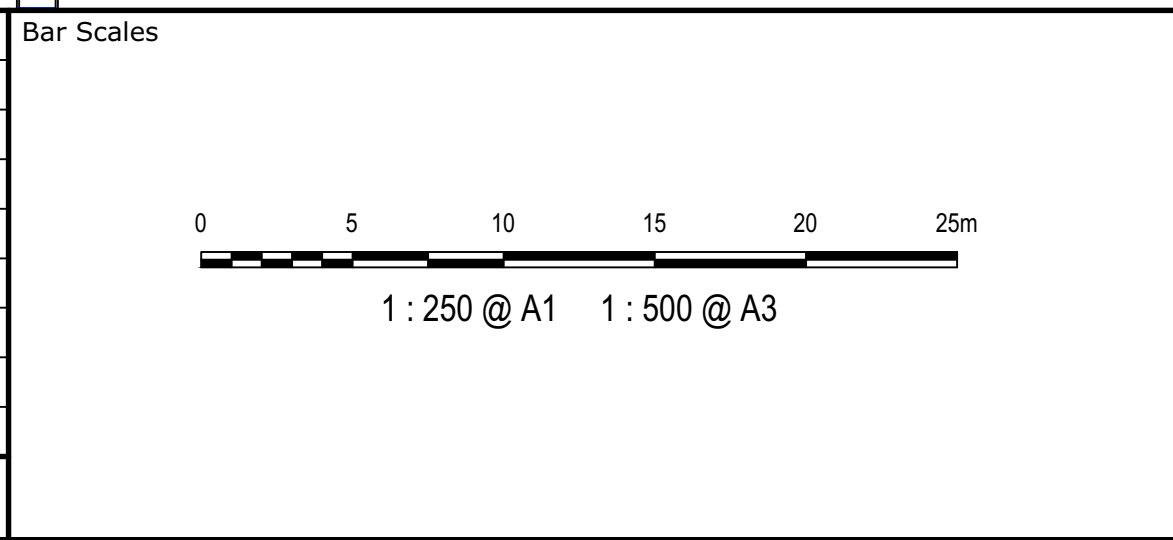
Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1018	Issue D



F:\22-1041 270 Aldington Road\6.0 Drqs\Civil\Final\1000 DA\22-1041-C1019.dwg



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project	270 ALDINGTON ROAD
Title	NATURALISED TRUNK DRAINAGE CHANNEL PLAN SHEET 1

Civil Engineers and Project Managers

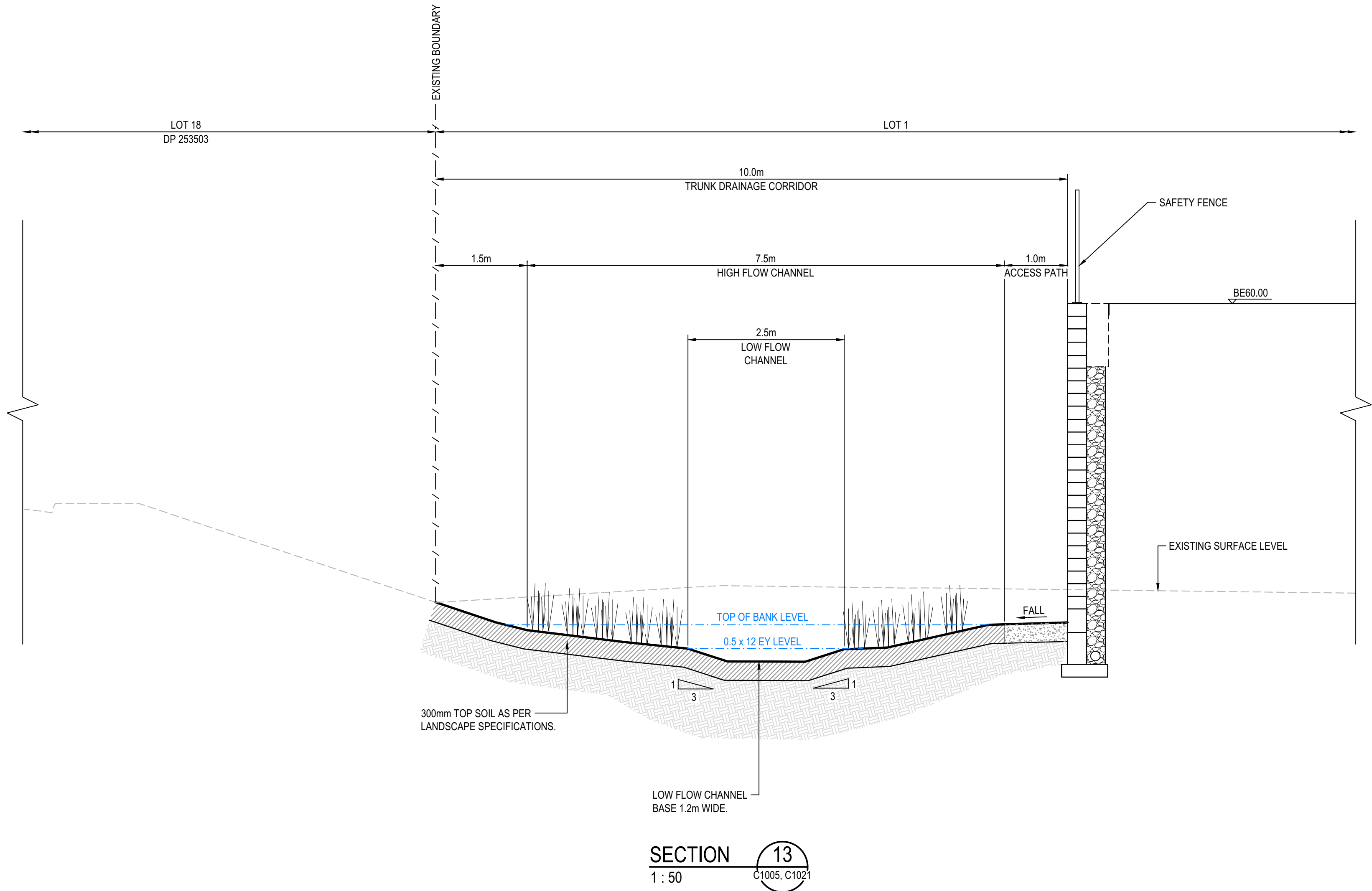


Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

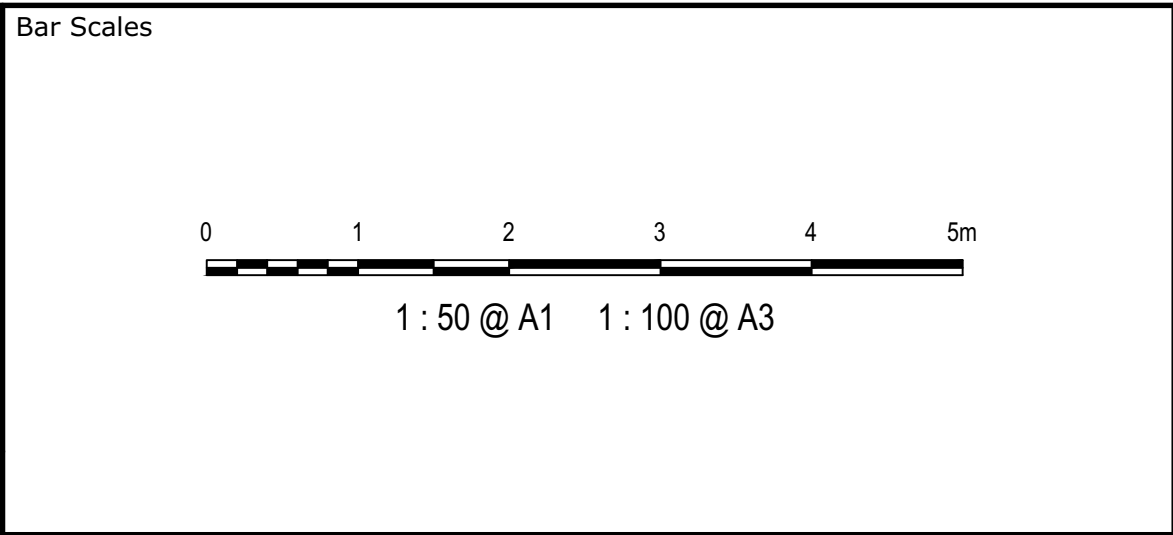
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1020	Issue D

NOTE:

LOT 18 'EXISTING' HAS CHANGED DUE TO DEVELOPMENT, SINCE THE PREVIOUSLY OBTAINED LIDAR LEVELS, HENCE ONLY THE EXISTING LEVEL ON THE BOUNDARY (FROM LEVELS TAKEN ON SITE) ARE SHOWN TO DEMONSTRATE THE TIE IN TO PROPOSED DEVELOPMENT SITE IS SHOWN.



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

**Stockland**



Scales	1:50	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

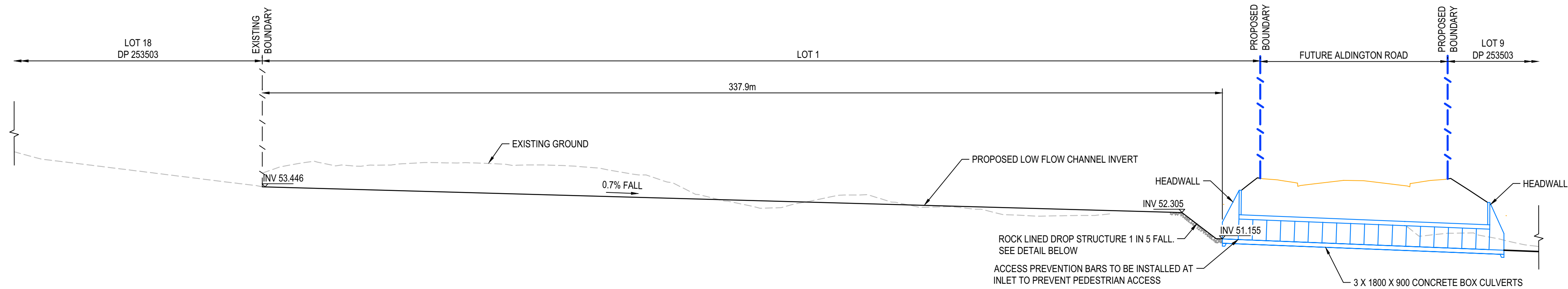
NATURALISED TRUNK DRAINAGE CHANNEL CROSS SECTION SHEET 2

Civil Engineers and Project Managers

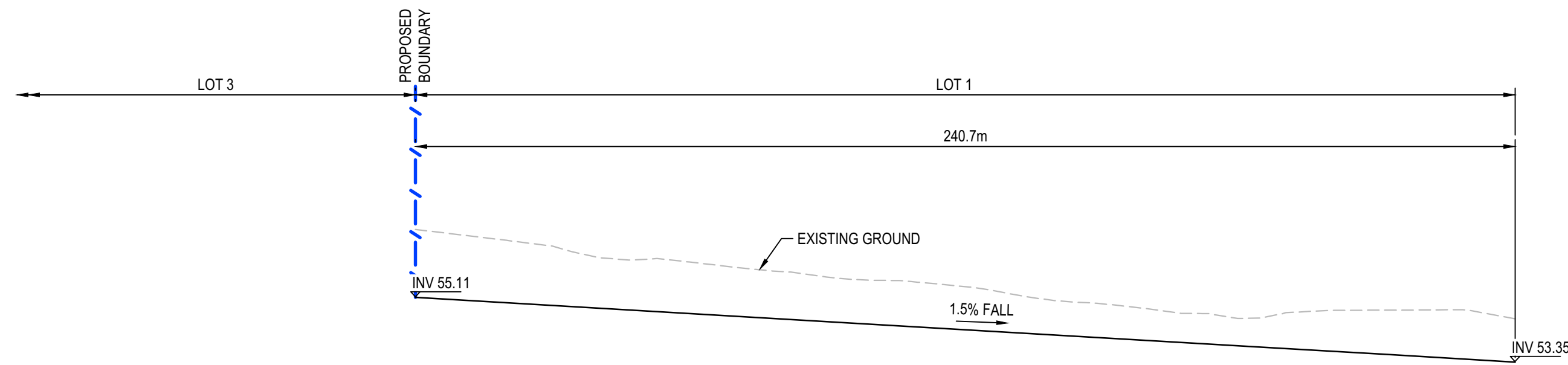
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

at&l

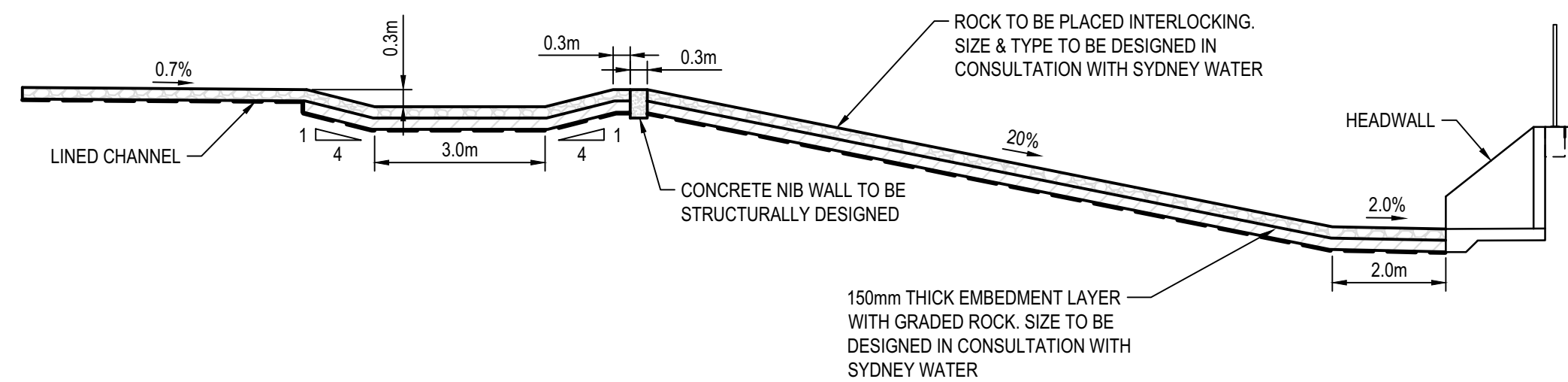
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1025	Issue D



20m NATURALISED TRUNK DRAINAGE CHANNEL LONG SECTION
1:500(H) 1:125(V)

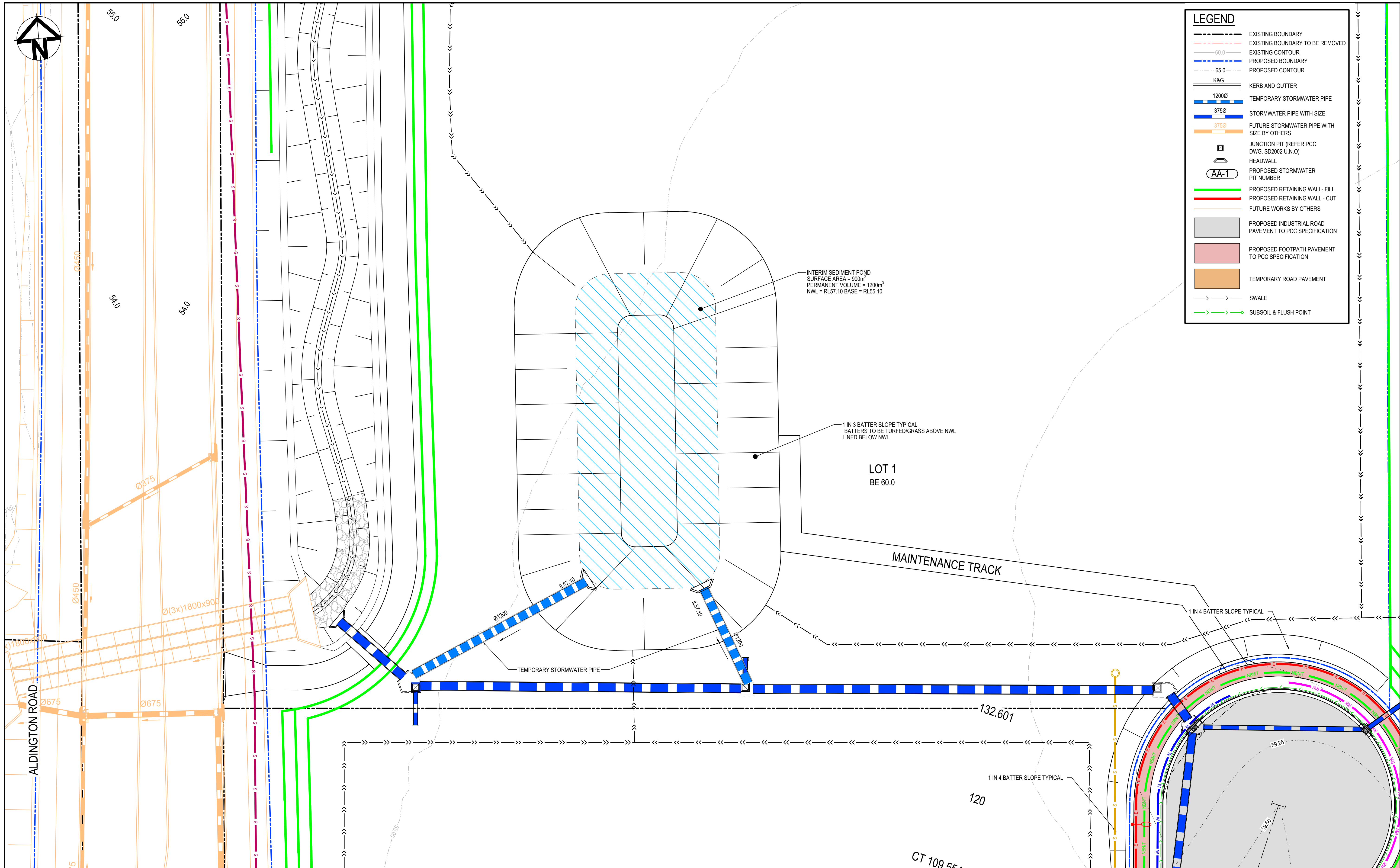


10m NATURALISED TRUNK DRAINAGE CHANNEL LONG SECTION
1:500(H) 1:125(V)



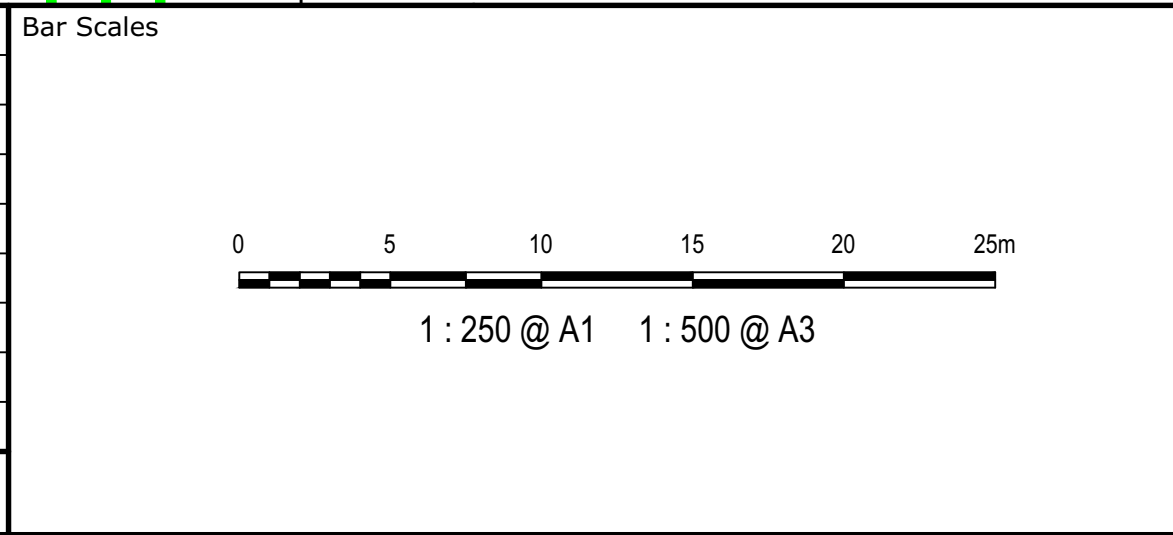
ROCK LINED DROP STRUCTURE DETAIL
SCALE 1:100

			Bar Scales		Client	Scales	Drawn	JH	Project	Civil Engineers and Project Managers
						1:500(H) 1:125(V)	Designed	ADS	270 ALDINGTON ROAD	at&l Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405
						Grid	2020 GDA	Checked	AM	
						Height Datum	AHD	Approved		
									NATURALISED TRUNK DRAINAGE CHANNEL LONG SECTION	Status FOR APPROVAL NOT FOR CONSTRUCTION
										A1
										Issue D
D	FOR APPROVAL	16-05-25								
C	FOR APPROVAL	17-02-25								
B	FOR TENDER	16-09-24								
A	PRELIMINARY ISSUE	01-11-23								
Issue	Description	Date								



LEGEND	
	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	EXISTING CONTOUR
	PROPOSED BOUNDARY
	PROPOSED CONTOUR
	K&G
	TEMPORARY STORMWATER PIPE
	STORMWATER PIPE WITH SIZE
	FUTURE STORMWATER PIPE WITH SIZE BY OTHERS
	JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
	HEADWALL
	PROPOSED STORMWATER PIT NUMBER
	PROPOSED RETAINING WALL - FILL
	PROPOSED RETAINING WALL - CUT
	FUTURE WORKS BY OTHERS
	PROPOSED INDUSTRIAL ROAD PAVEMENT TO PCC SPECIFICATION
	PROPOSED FOOTPATH PAVEMENT TO PCC SPECIFICATION
	TEMPORARY ROAD PAVEMENT
	SWALE
	SUBSOIL & FLUSH POINT

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23



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Client

Scales	1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

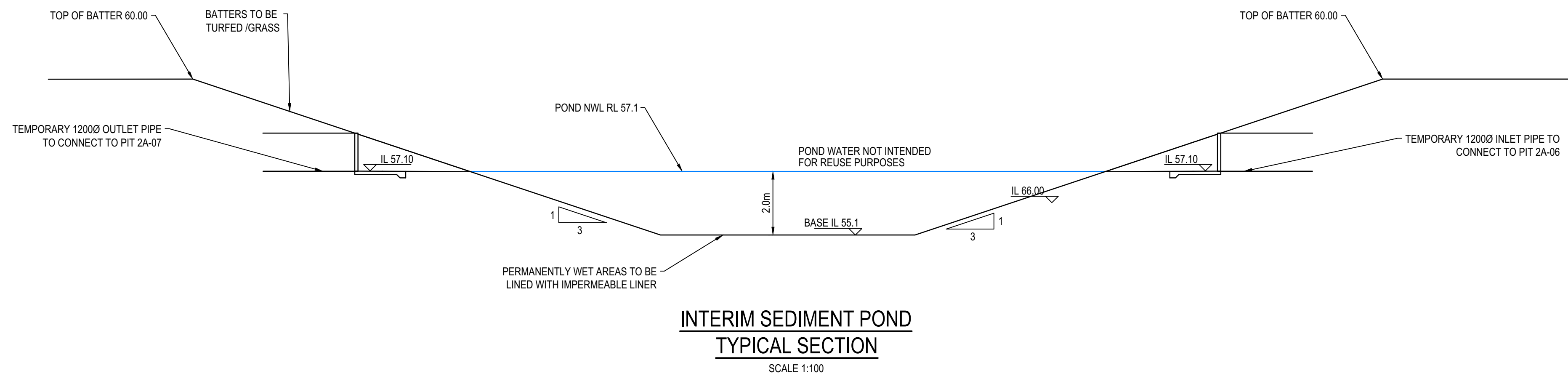
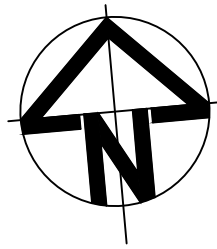
INTERIM OPERATIONAL PHASE STORMWATER MANAGEMENT PLAN

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

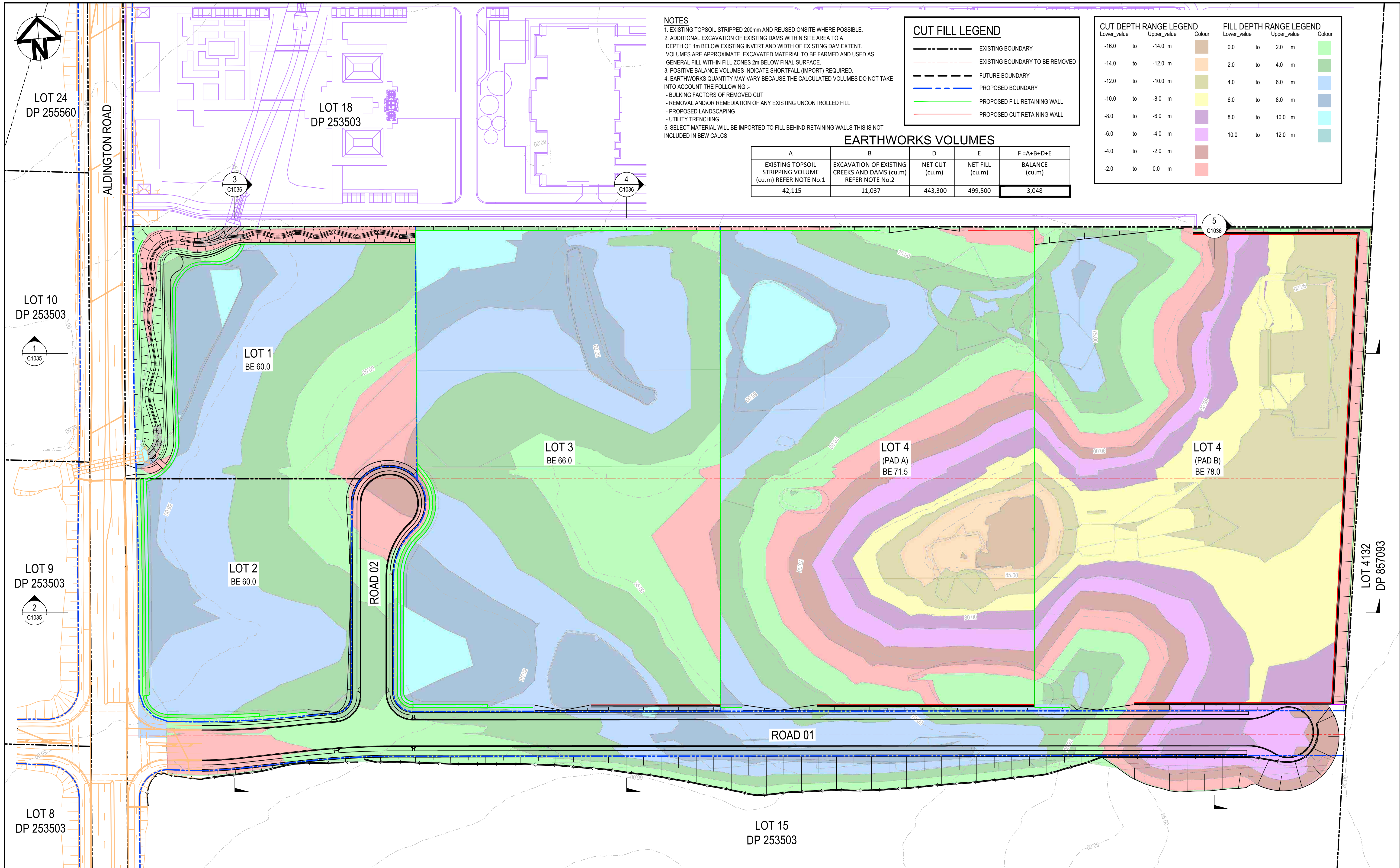
at&l

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1028	Issue D



			Bar Scales	0510152025m 1 : 250 @ A1 1 : 500 @ A3	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	Client  Stockland 	Scales	1:100	Drawn	JH	Project	270 ALDINGTON ROAD	Civil Engineers and Project Managers  Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
								Designed	ADS						
							Grid	2020 GDA	Checked	AM					
							Height Datum	AHD	Approved						
D	FOR APPROVAL	16-05-25											Title		INTERIM OPERATIONAL PHASE STORMWATER MANAGEMENT SECTION
C	FOR APPROVAL	17-02-25										Project - Drawing No.	22-1041-C1029	Issue	D
B	FOR TENDER	16-09-24													
A	PRELIMINARY ISSUE	01-11-23													
Issue	Description	Date													

100mm on Original



NOTES

1. EXISTING TOPSOIL STRIPPED 200mm AND REUSED ONSITE WHERE POSSIBLE.

2. ADDITIONAL EXCAVATION OF EXISTING DAMS WITHIN SITE AREA TO A DEPTH OF 1m BELOW EXISTING INVERT AND WIDTH OF EXISTING DAM EXTENT. VOLUMES ARE APPROXIMATE. EXCAVATED MATERIAL TO BE FARMED AND USED AS GENERAL FILL WITHIN FILL ZONES 2m BELOW FINAL SURFACE.

3. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.

4. EARTHWORKS QUANTITY MAY VARY BECAUSE THE CALCULATED VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING -

- BULKING FACTORS OF REMOVED CUT
- REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
- PROPOSED LANDSCAPING
- UTILITY TRENCHING

5. SELECT MATERIAL WILL BE IMPORTED TO FILL BEHIND RETAINING WALLS THIS IS NOT INCLUDED IN BEW CALCS

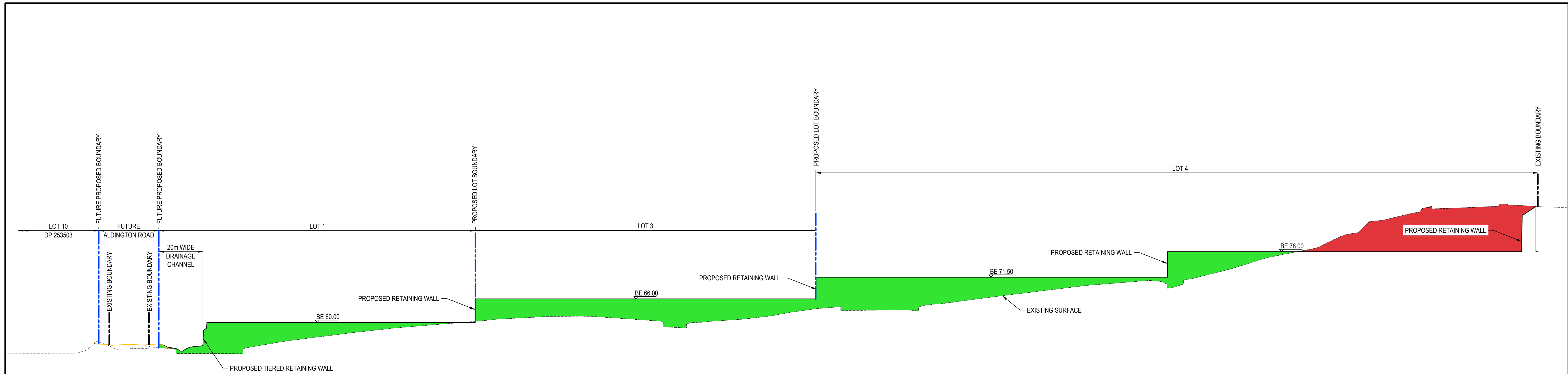
CUT FILL LEGEND	
---	EXISTING BOUNDARY
---	EXISTING BOUNDARY TO BE REMOVED
---	FUTURE BOUNDARY
---	PROPOSED BOUNDARY
---	PROPOSED FILL RETAINING WALL
---	PROPOSED CUT RETAINING WALL

CUT DEPTH RANGE LEGEND			FILL DEPTH RANGE LEGEND		
Lower_value	Upper_value	Colour	Lower_value	Upper_value	Colour
-16.0	to -14.0		0.0	to 2.0	
-14.0	to -12.0		2.0	to 4.0	
-12.0	to -10.0		4.0	to 6.0	
-10.0	to -8.0		6.0	to 8.0	
-8.0	to -6.0		8.0	to 10.0	
-6.0	to -4.0		10.0	to 12.0	
-4.0	to -2.0				
-2.0	to 0.0				

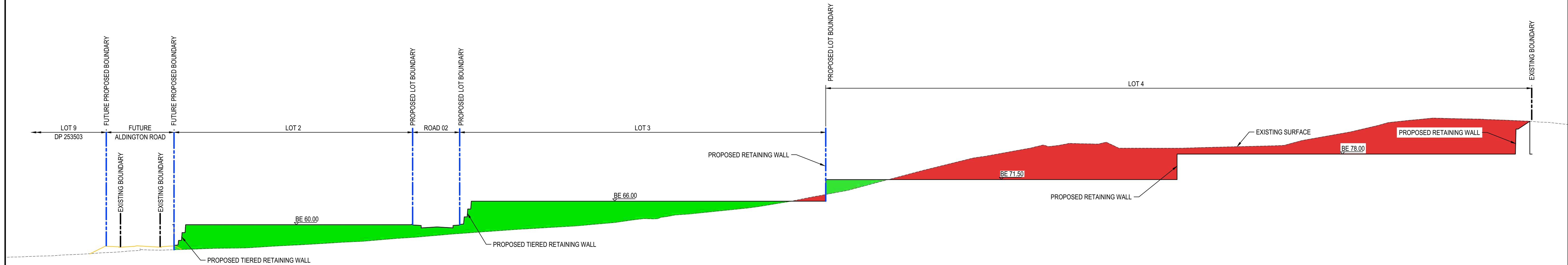
EARTHWORKS VOLUMES

A	B	D	E	F = A+B+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)
-42,115	-11,037	-443,300	499,500	3,048

<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>D</td><td>FOR APPROVAL</td><td>16-05-25</td></tr><tr><td>C</td><td>FOR APPROVAL</td><td>17-02-25</td></tr><tr><td>B</td><td>FOR TENDER</td><td>16-09-24</td></tr><tr><td>A</td><td>PRELIMINARY ISSUE</td><td>01-11-23</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>											D	FOR APPROVAL	16-05-25	C	FOR APPROVAL	17-02-25	B	FOR TENDER	16-09-24	A	PRELIMINARY ISSUE	01-11-23	Issue	Description	Date	Bar Scales 1 : 1000 @ A1 1 : 2000 @ A3	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	Client 	Scales 1:1000 Grid 2020 GDA Height Datum AHD	Drawn JH Designed ADS Checked AM Approved	Project 270 ALDINGTON ROAD Title BULK EARTHWORKS GENERAL ARRANGEMENT PLAN	Civil Engineers and Project Managers Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atI.net.au www.atI.net.au ABN 96 130 882 405
D	FOR APPROVAL	16-05-25																														
C	FOR APPROVAL	17-02-25																														
B	FOR TENDER	16-09-24																														
A	PRELIMINARY ISSUE	01-11-23																														
Issue	Description	Date																														
								FOR APPROVAL NOT FOR CONSTRUCTION Project - Drawing No. 22-1041-C1031	A1 Issue D																							



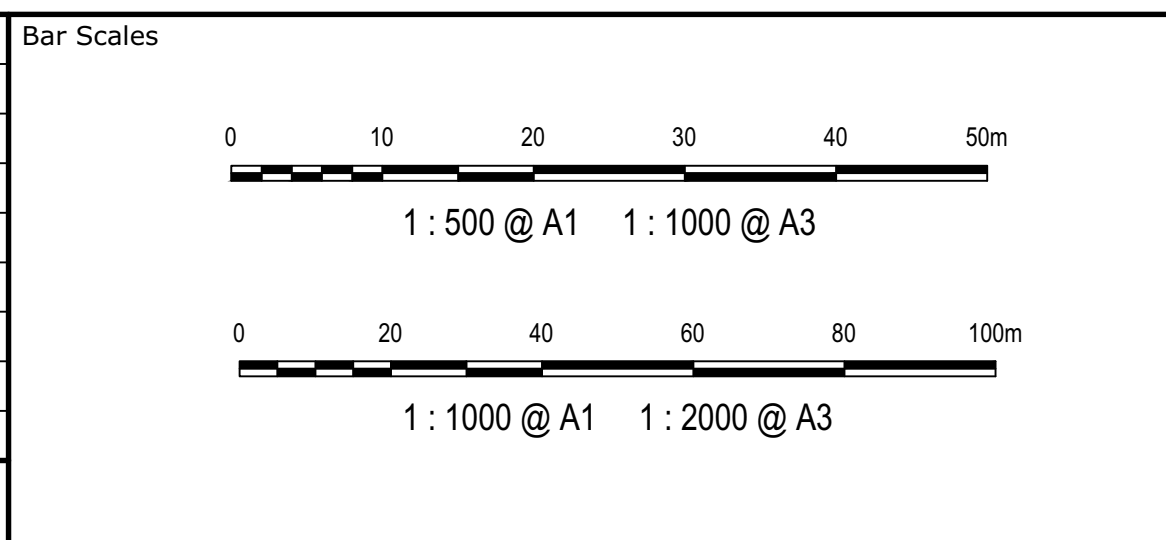
SECTION 1
1 : 1000 (H) 1 : 500 (V) SKC1031



SECTION 2
1 : 1000 (H) 1 : 500 (V) SKC1031

ALL FINISHED LEVELS ARE ±500mm U.N.O

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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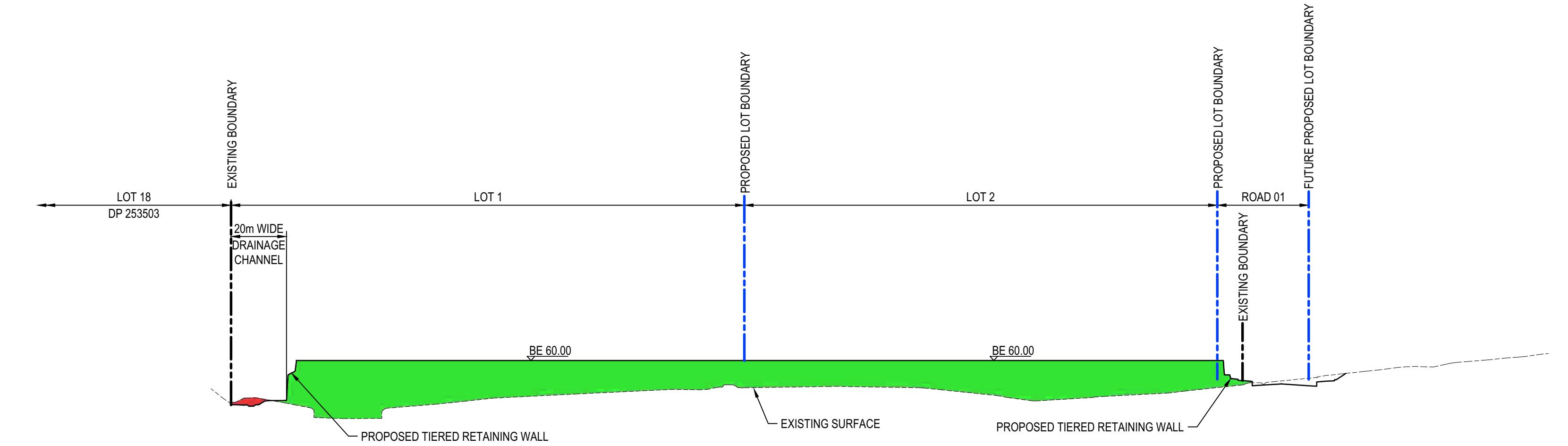


Scales	1:1000 (H) 1:500 (V)	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

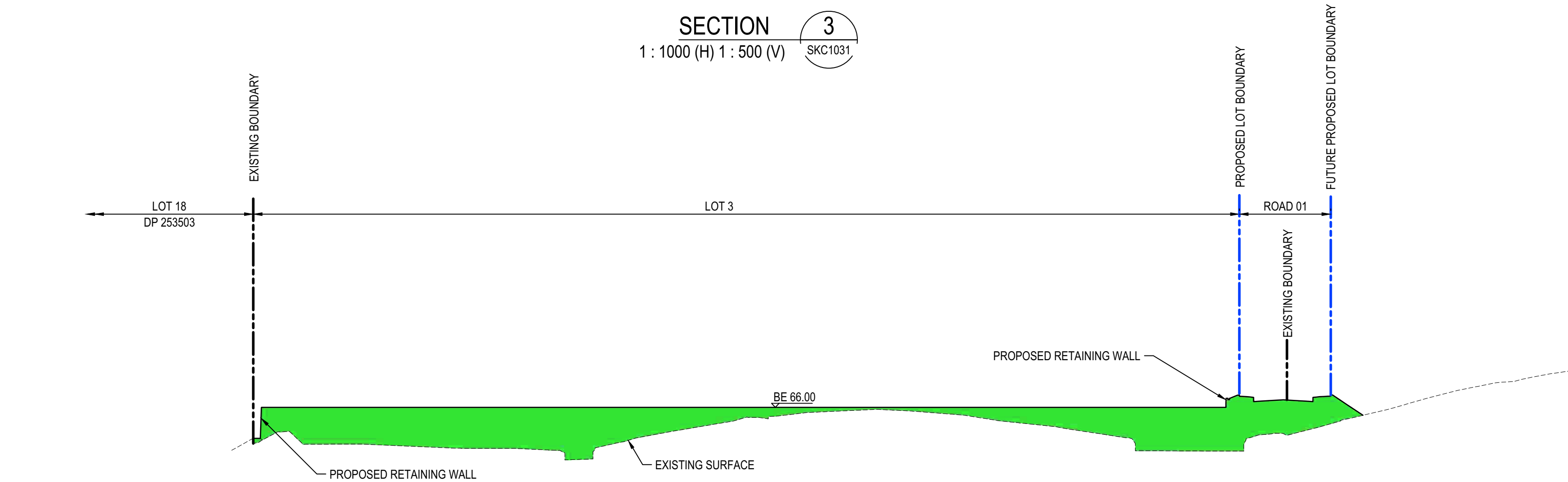
Project	270 ALDINGTON ROAD
Title	BULK EARTHWORKS CUT/FILL SECTIONS SHEET 1

Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1035	Issue D

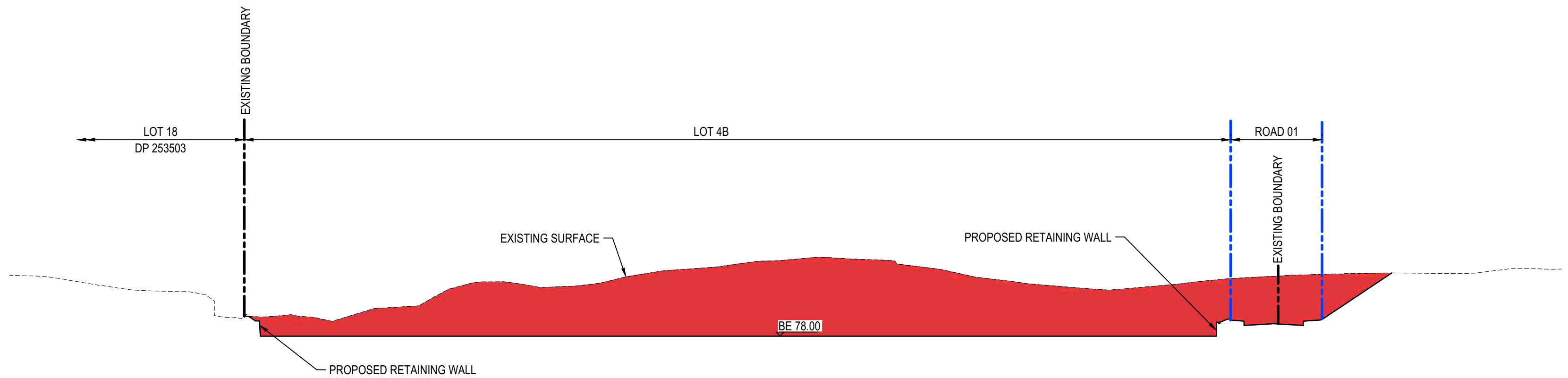
NOTE:
LOT 18 'EXISTING' HAS CHANGED DUE TO DEVELOPMENT, SINCE THE PREVIOUSLY OBTAINED LIDAR LEVELS. HENCE ONLY THE EXISTING LEVEL ON THE BOUNDARY (FROM LEVELS TAKEN ON SITE) ARE SHOWN TO DEMONSTRATE THE TIE IN TO PROPOSED DEVELOPMENT SITE IS SHOWN.



SECTION 3
1 : 1000 (H) 1 : 500 (V) SKC1031

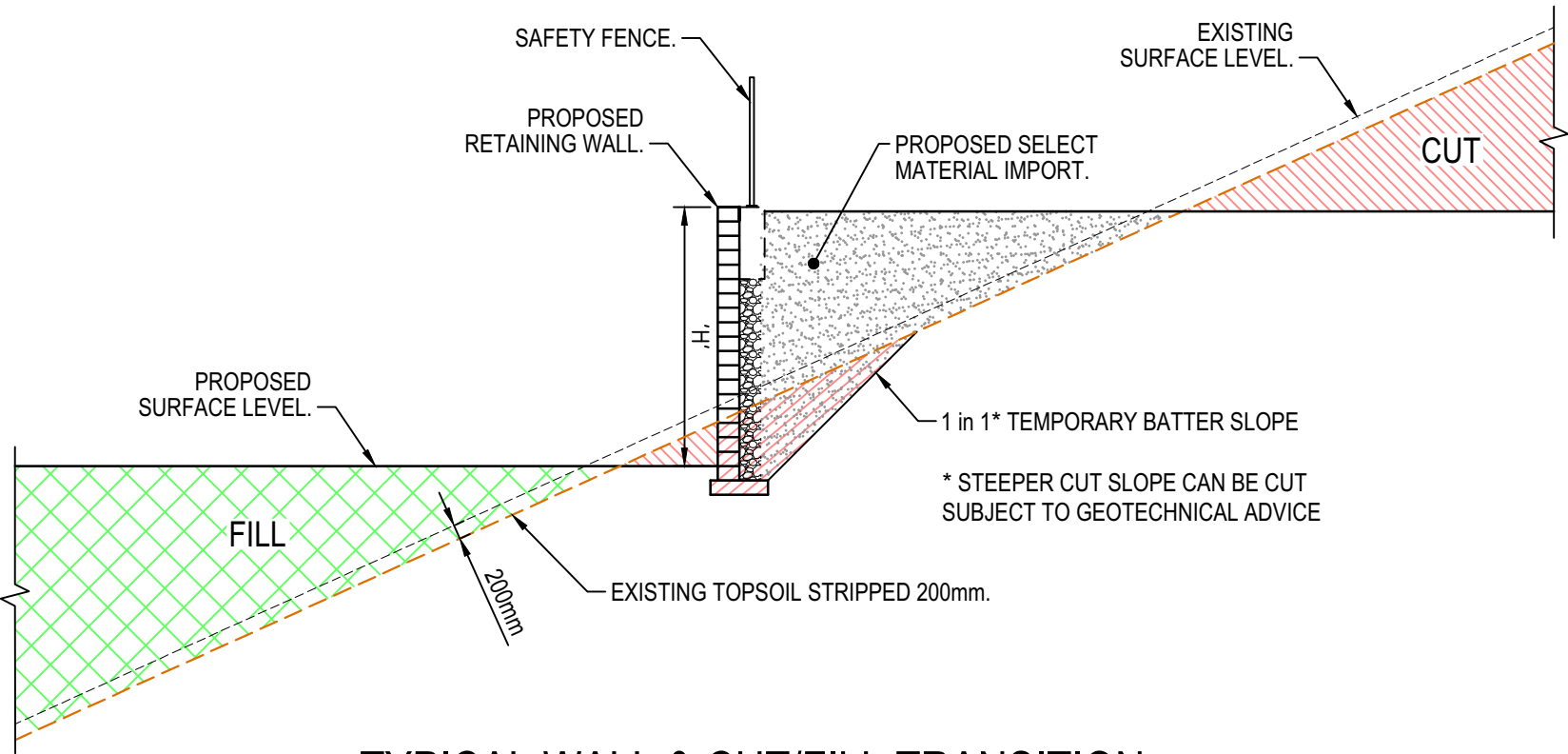


SECTION 4
1 : 1000 (H) 1 : 500 (V) SKC1031

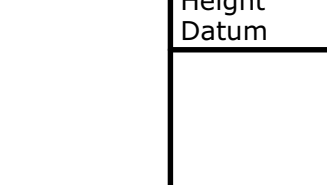


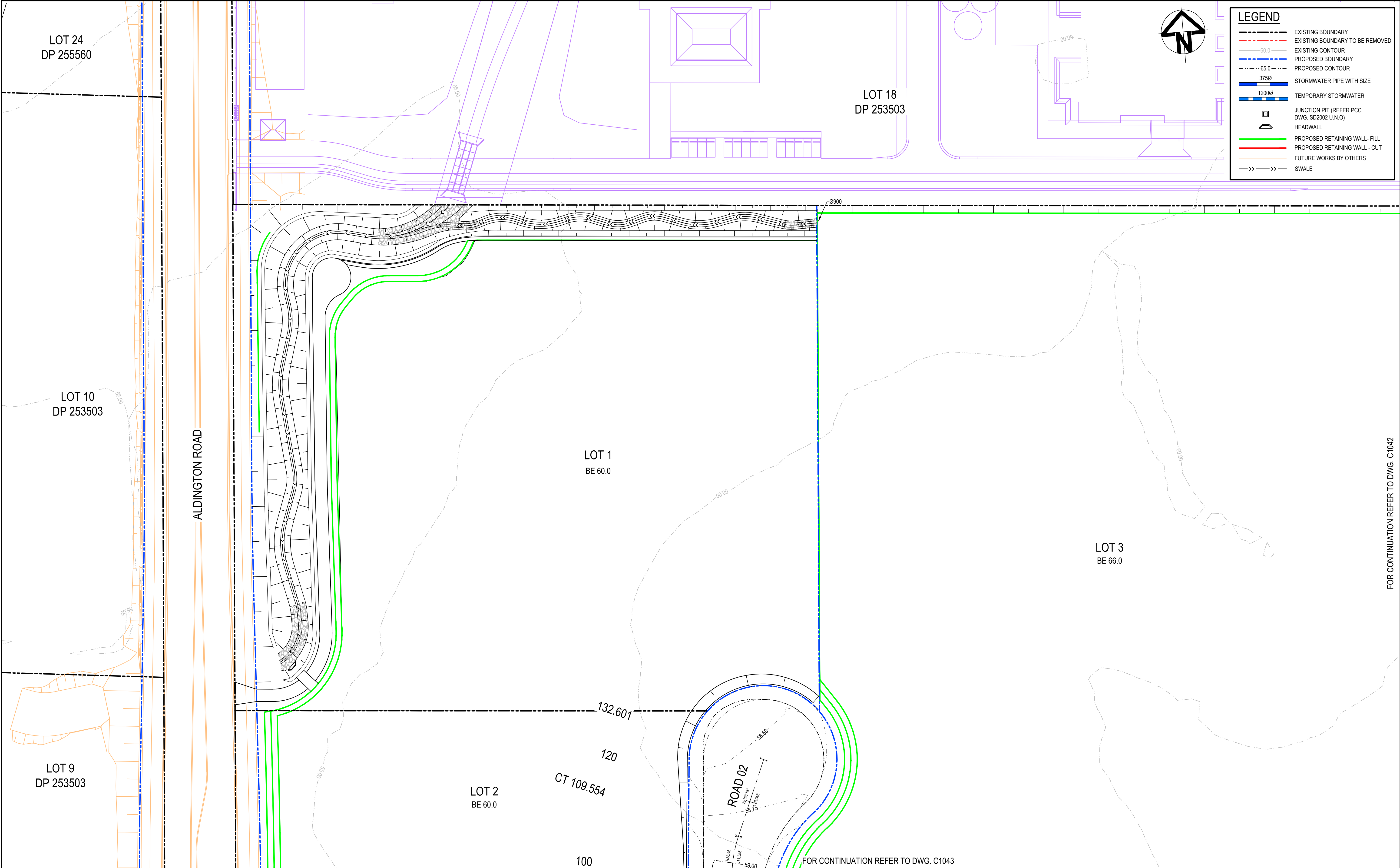
SECTION 5
1 : 1000 (H) 1 : 500 (V) SKC1031

ALL FINISHED LEVELS ARE ±500mm U.N.O



TYPICAL WALL & CUT/FILL TRANSITION
1 : 100

			Bar Scales		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	Client  	Scales 1:100 1:1000 (H) 1:500 (V)		Drawn JH	Project 270 ALDINGTON ROAD	Civil Engineers and Project Managers  Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405									
			1 : 100 @ A1 1 : 200 @ A3				Grid 2020 GDA	Height Datum AHD	Designed ADS		Title BULK EARTHWORKS CUT/FILL SECTIONS SHEET 2	Status FOR APPROVAL NOT FOR CONSTRUCTION	A1							
			1 : 500 @ A1 1 : 1000 @ A3						Checked AM											
			1 : 1000 @ A1 1 : 2000 @ A3						Approved											
D	FOR APPROVAL	16-05-25										Project - Drawing No. 22-1041-C1036	Issue D							
C	FOR APPROVAL	17-02-25																		
B	FOR TENDER	16-09-24																		
A	PRELIMINARY ISSUE	01-11-23																		
Issue	Description	Date																		



LEGEND

EXISTING BOUNDARY

EXISTING BOUNDARY TO BE REMOVED

EXISTING CONTOUR

PROPOSED BOUNDARY

PROPOSED CONTOUR

STORMWATER PIPE WITH SIZE

TEMPORARY STORMWATER

JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)

HEADWALL

PROPOSED RETAINING WALL - FILL

PROPOSED RETAINING WALL - CUT

FUTURE WORKS BY OTHERS

SWALE

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

0

10

20

30

40

50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

BULK EARTHWORKS
PLAN
SHEET 1

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status

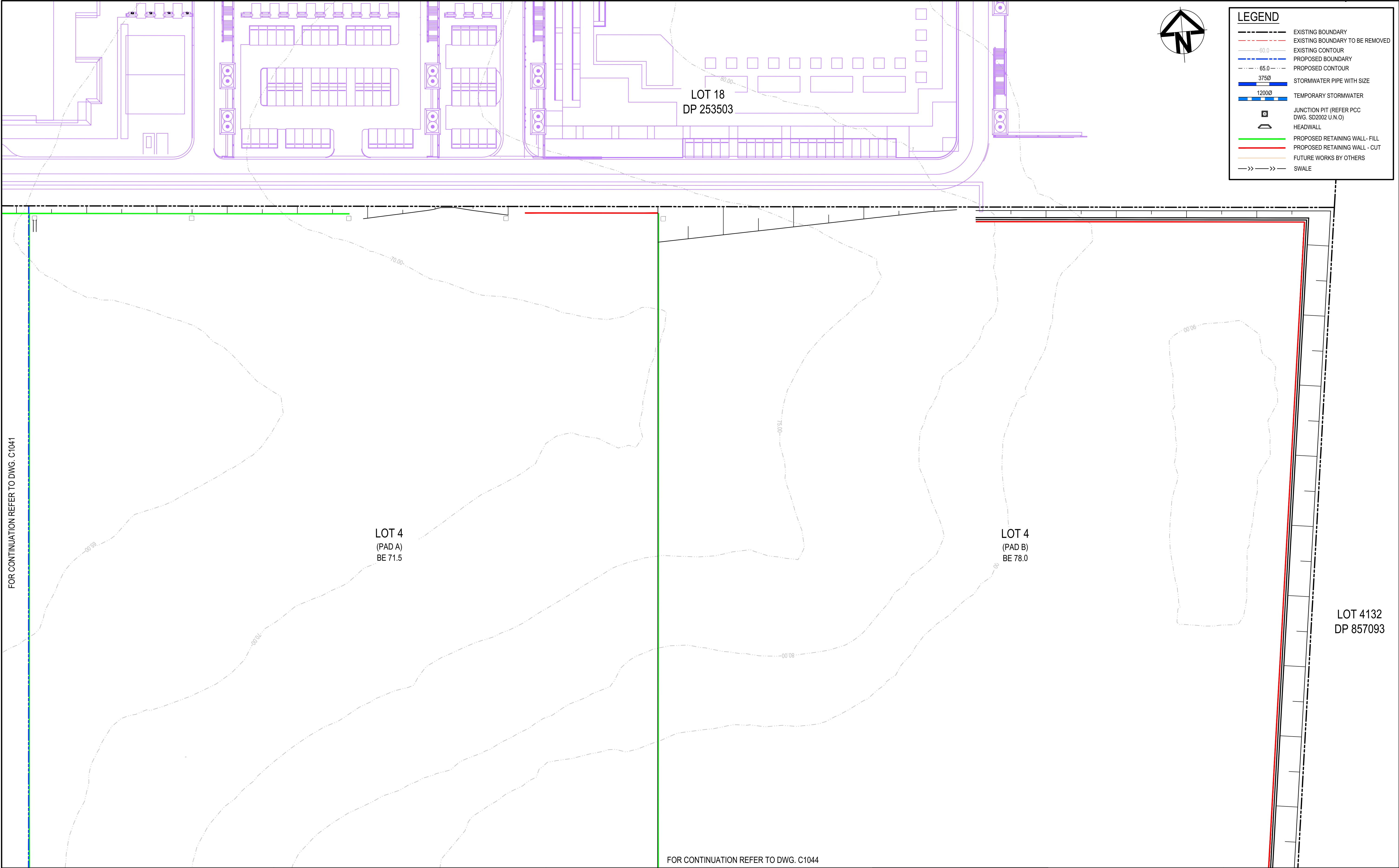
FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.

22-1041-C1041

D



LEGEND

EXISTING BOUNDARY

EXISTING BOUNDARY TO BE REMOVED

EXISTING CONTOUR

PROPOSED BOUNDARY

PROPOSED CONTOUR

STORMWATER PIPE WITH SIZE

TEMPORARY STORMWATER

JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)

HEADWALL

PROPOSED RETAINING WALL- FILL

PROPOSED RETAINING WALL - CUT

FUTURE WORKS BY OTHERS

SWALE

FOR CONTINUATION REFER TO DWG. C1041

FOR CONTINUATION REFER TO DWG. C1044

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

BULK EARTHWORKS
PLAN
SHEET 2

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
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www.atl.net.au
ABN 96 130 882 405

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

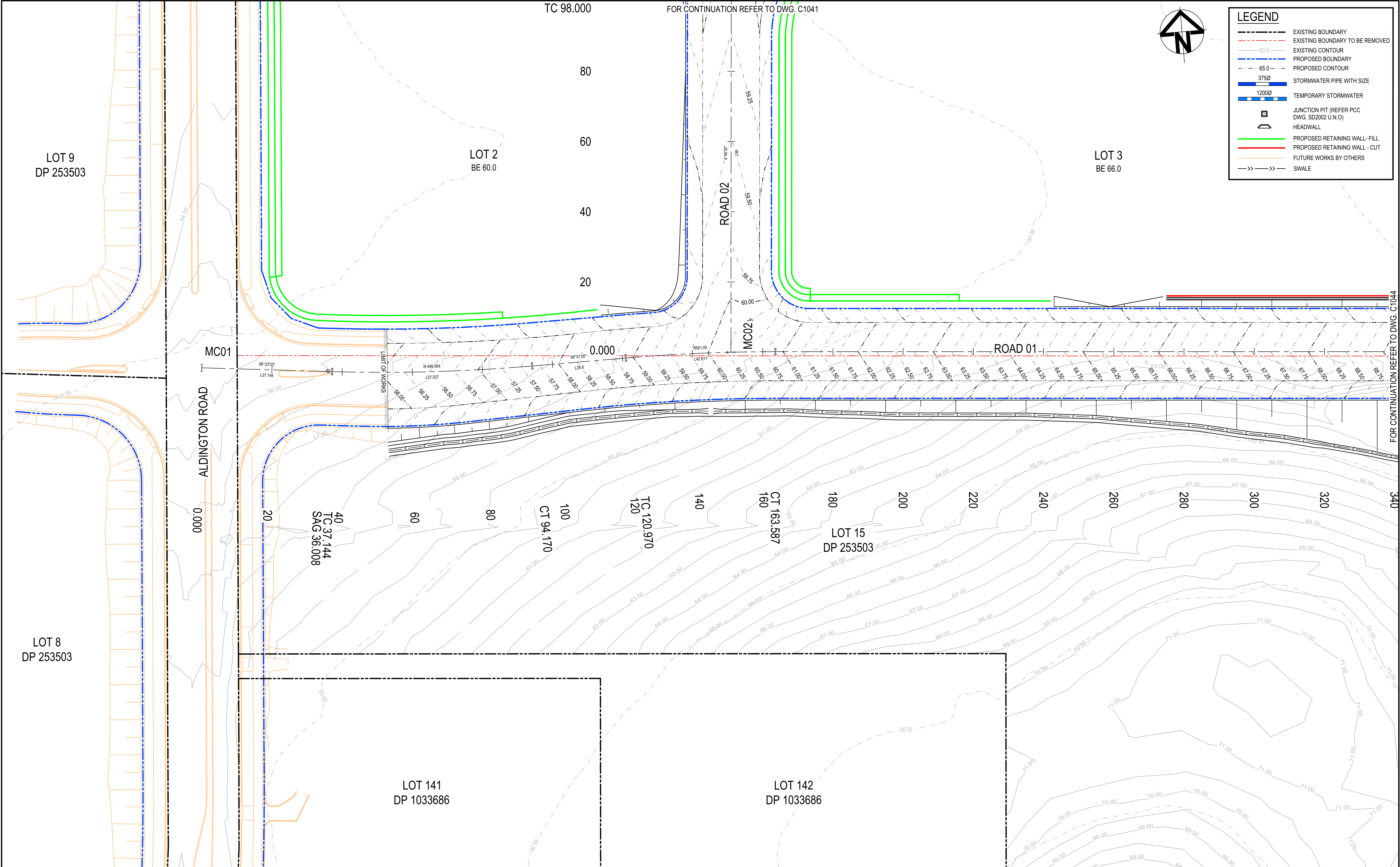
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Project - Drawing No.

22-1041-C1042

Issue

D



LEGEND

EXISTING BOUNDARY

EXISTING BOUNDARY TO BE REMOVED

EXISTING CONTOUR

PROPOSED BOUNDARY

PROPOSED CONTOUR

STORMWATER PIPE WITH SIZE

TEMPORARY STORMWATER

JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)

HEADWALL

PROPOSED RETAINING WALL - FILL

PROPOSED RETAINING WALL - CUT

FUTURE WORKS BY OTHERS

SWALE

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

0

10

20

30

40

50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Stockland

FIFECAPITAL

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

BULK EARTHWORKS
PLAN
SHEET 3

Civil Engineers and Project Managers

Level 7, 153 Walker Street
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P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

at&l

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

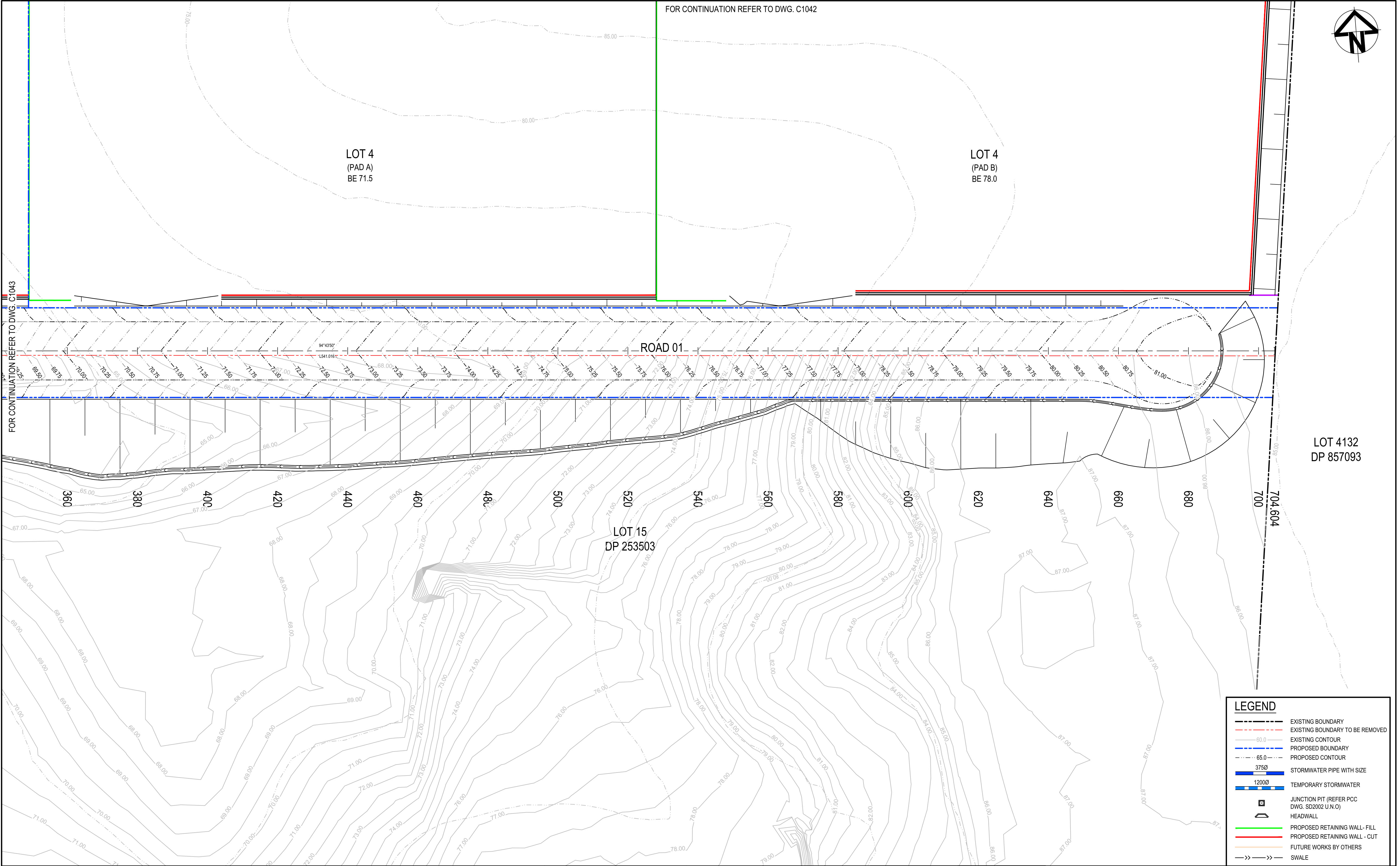
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Project - Drawing No.

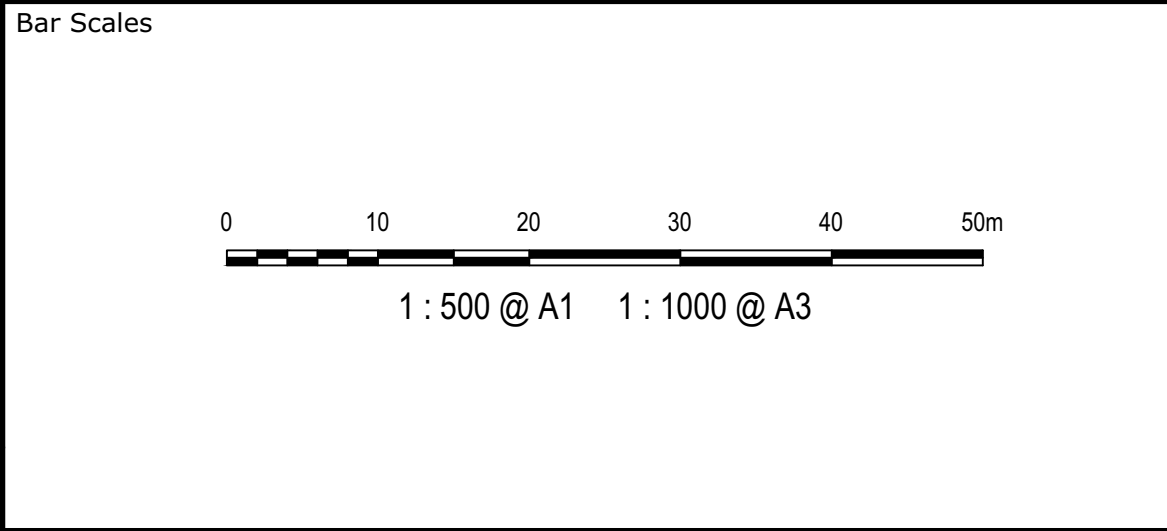
22-1041-C1043

Issue

D



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

 **Stockland**



Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

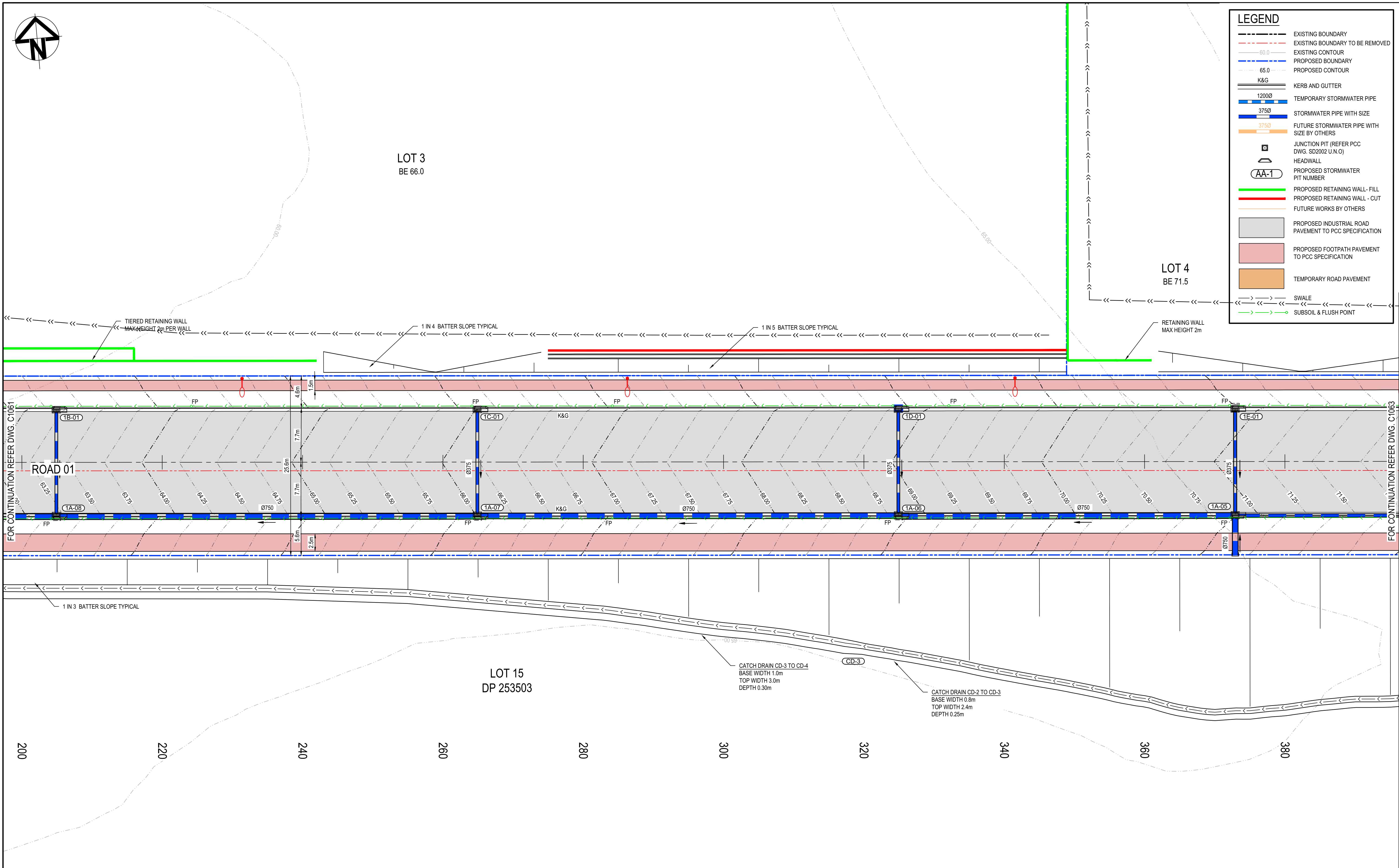
BULK EARTHWORKS
PLAN
SHEET 4

Civil Engineers and Project Managers

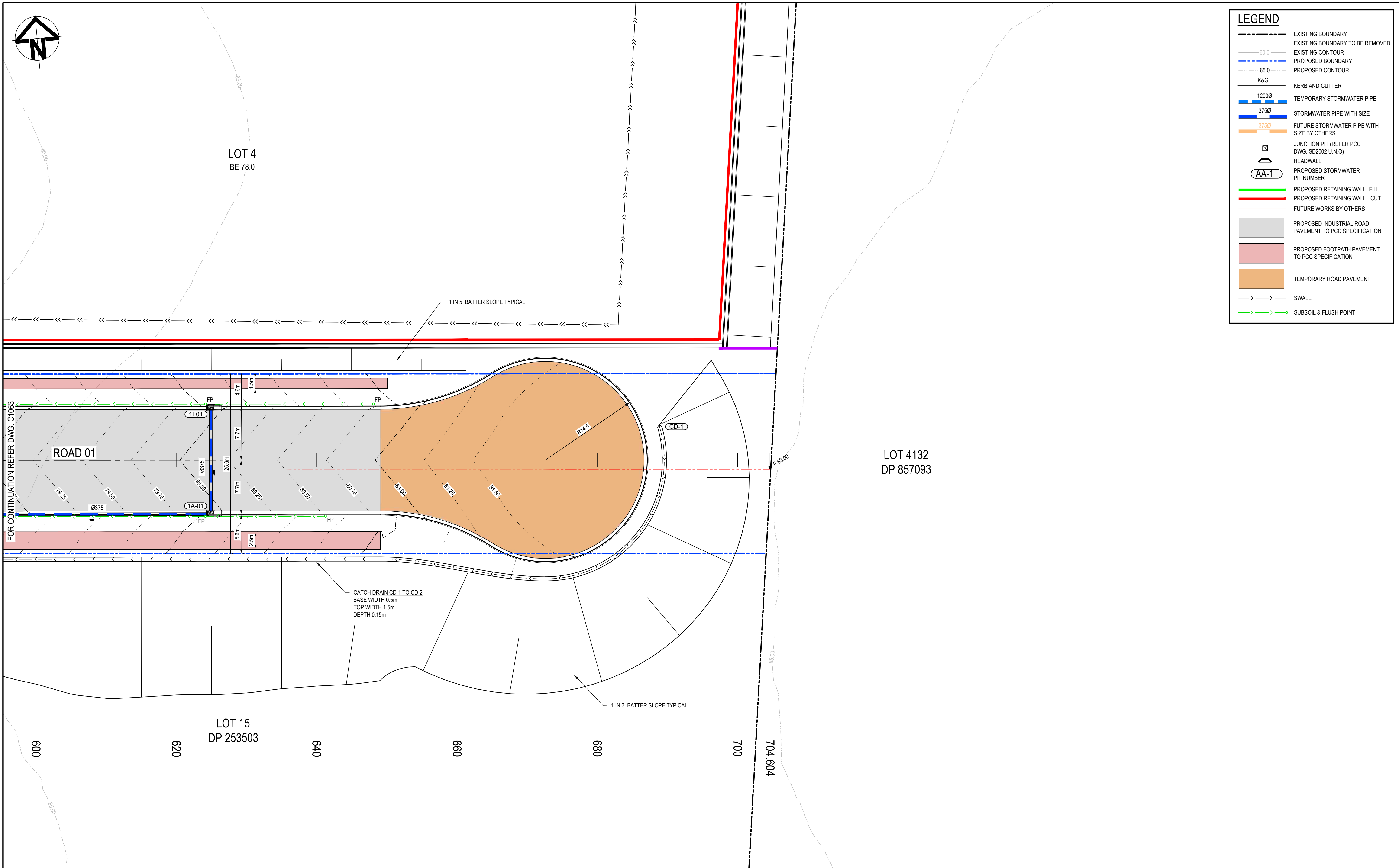


Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
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ABN 96 130 882 405

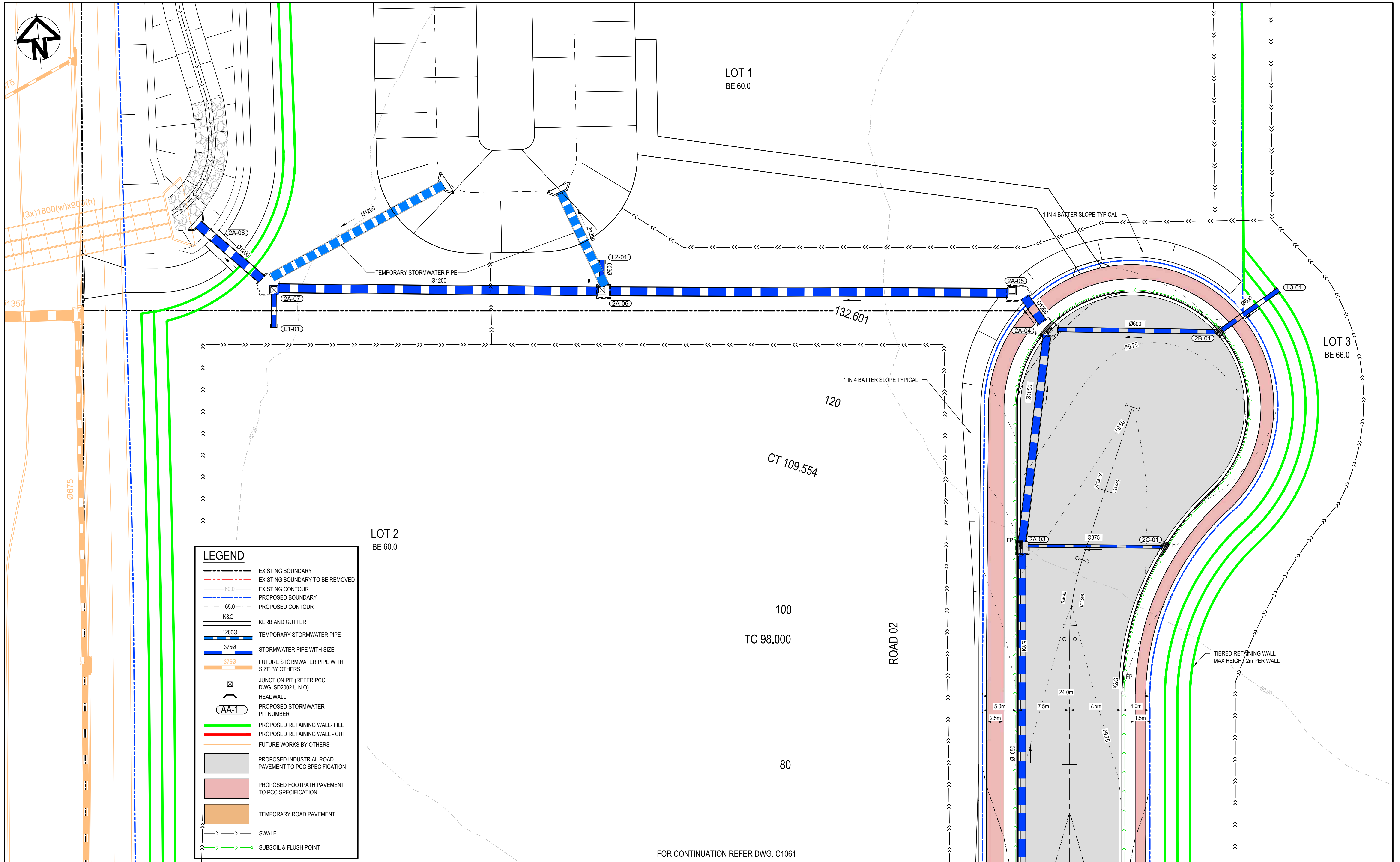
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1044	Issue D



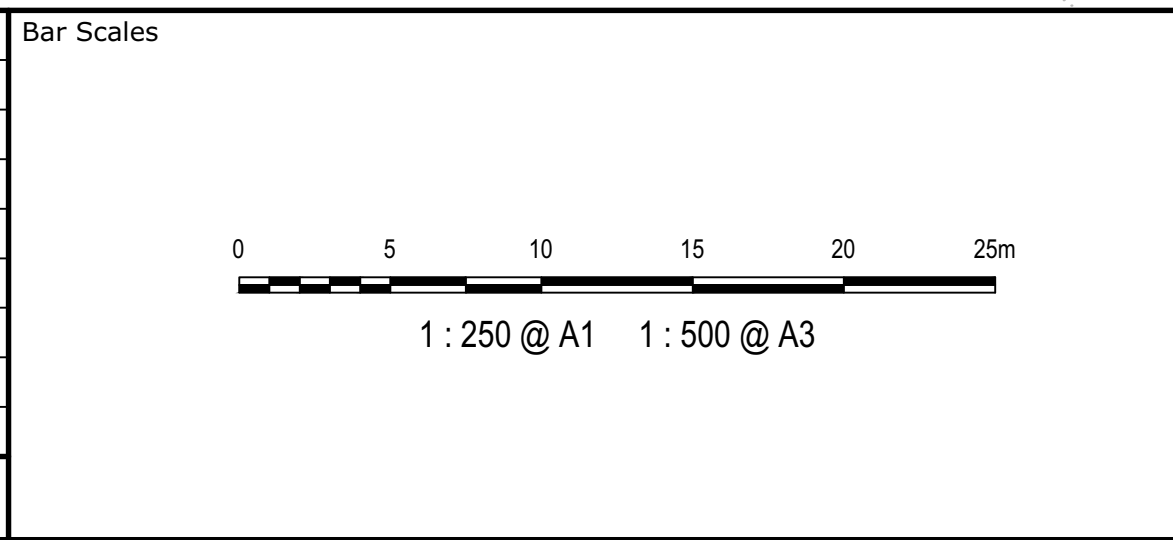
		Bar Scales <
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		Bar Scales
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D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

Stockland

Scales	1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

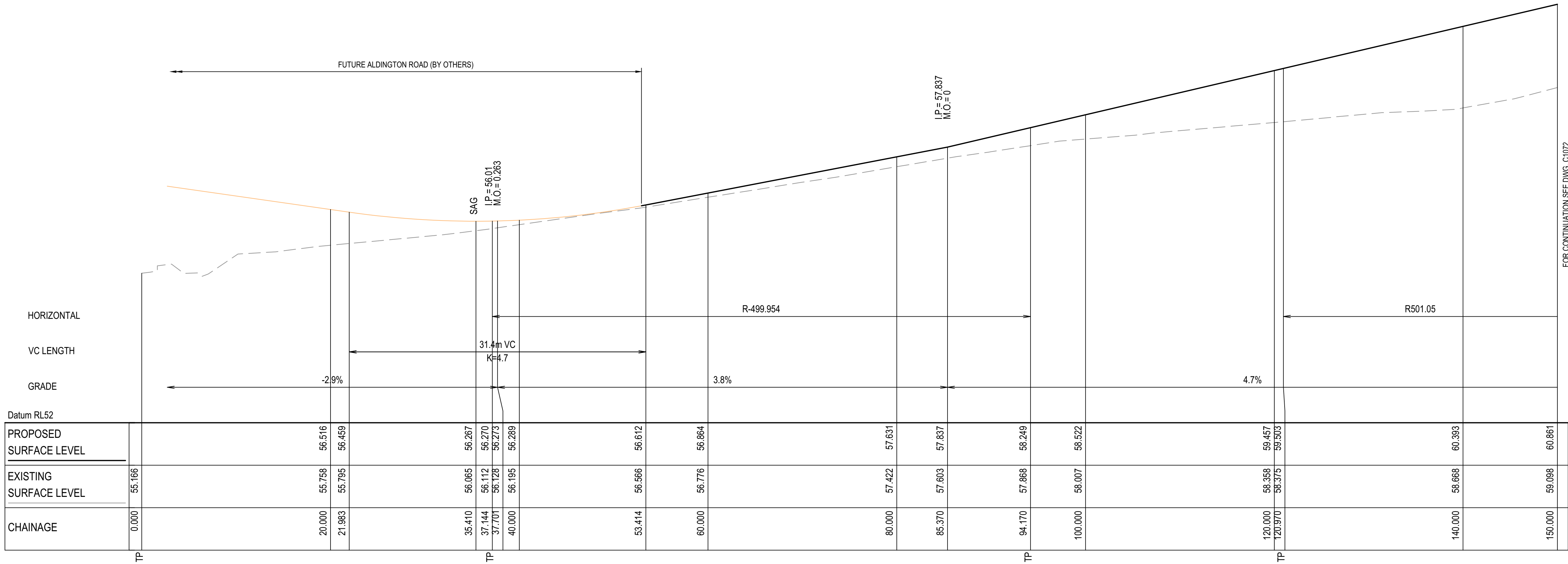
Title

ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1065	Issue D



MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

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Client

 **Stockland**



Scales	1:50 1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

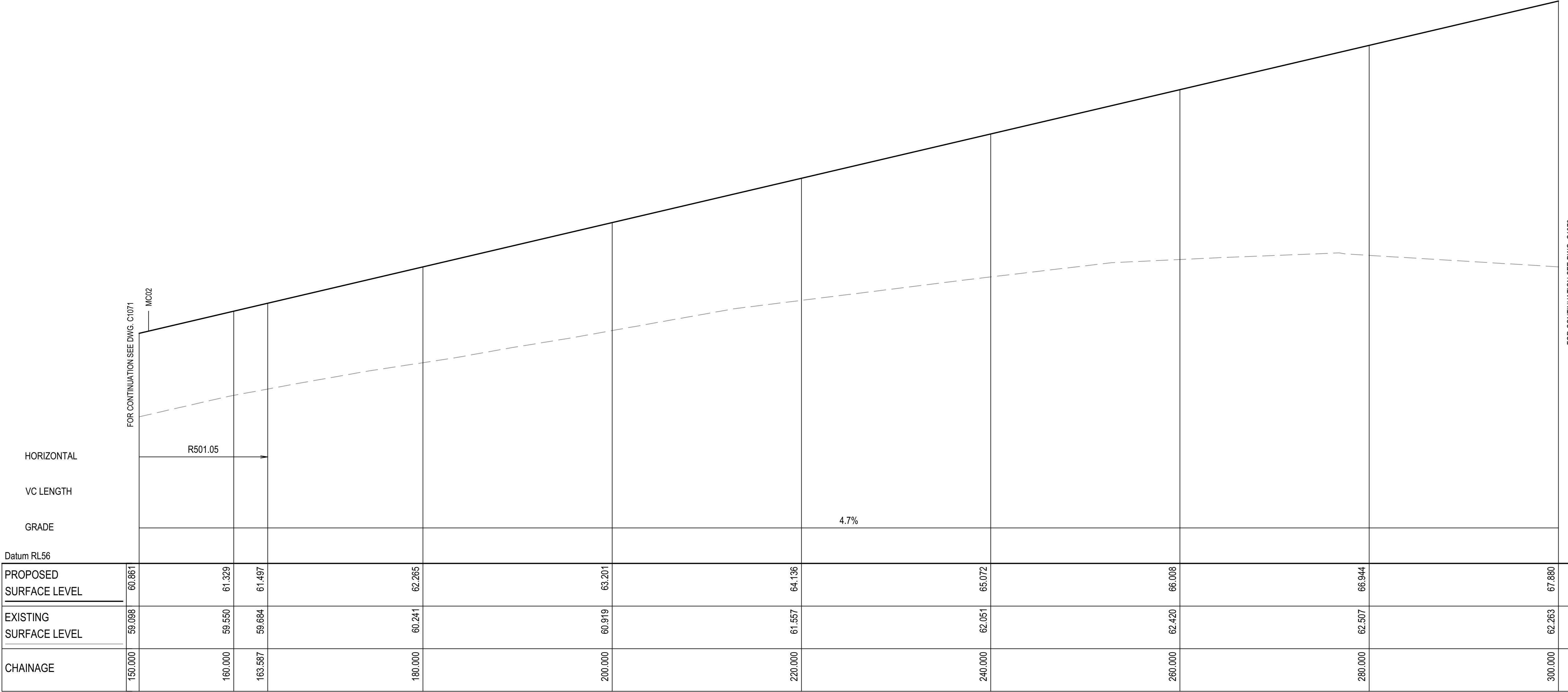
ROAD LONGITUDINAL SECTIONS
SHEET 1

Civil Engineers and Project Managers



Level 7, 153 Walker Street
North Sydney
NSW 2060
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www.atl.net.au
ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1071	Issue D



MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

012345m

1 : 50 @ A1 1 : 100 @ A3

0510152025m

1 : 250 @ A1 1 : 500 @ A3

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Client



Stockland



Scales	1:50 1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

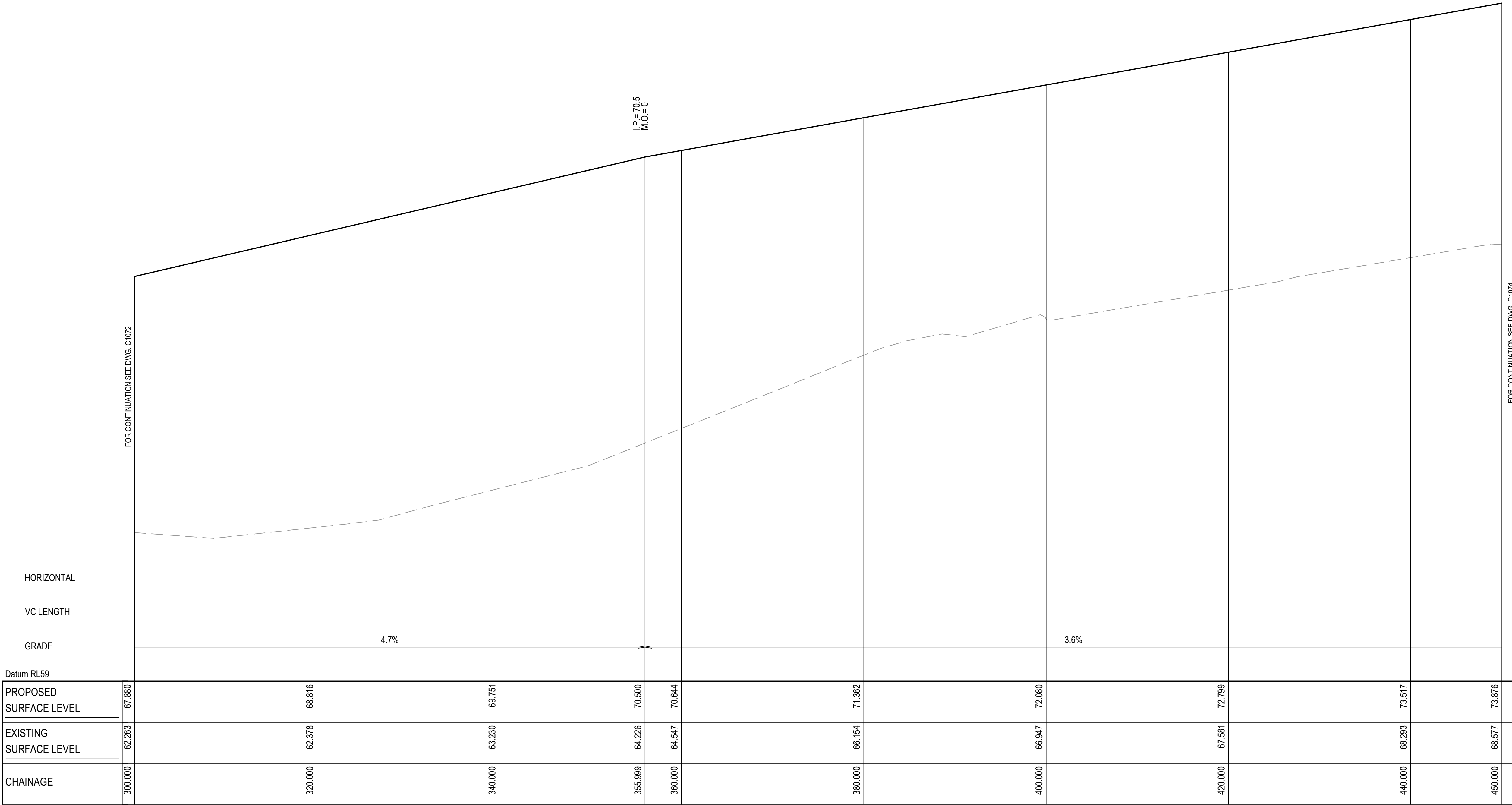
ROAD LONGITUDINAL SECTIONS
SHEET 2

Civil Engineers and Project Managers

Level 7, 153 Walker Street
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www.atl.net.au
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at&l

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1072	Issue D



MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

012345m

1 : 50 @ A1 1 : 100 @ A3

0510152025m

1 : 250 @ A1 1 : 500 @ A3

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Client



Stockland



Scales	1:50 1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

ROAD LONGITUDINAL SECTIONS
SHEET 3

Civil Engineers and Project Managers

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P 02 9439 1777
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www.atl.net.au
ABN 96 130 882 405

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

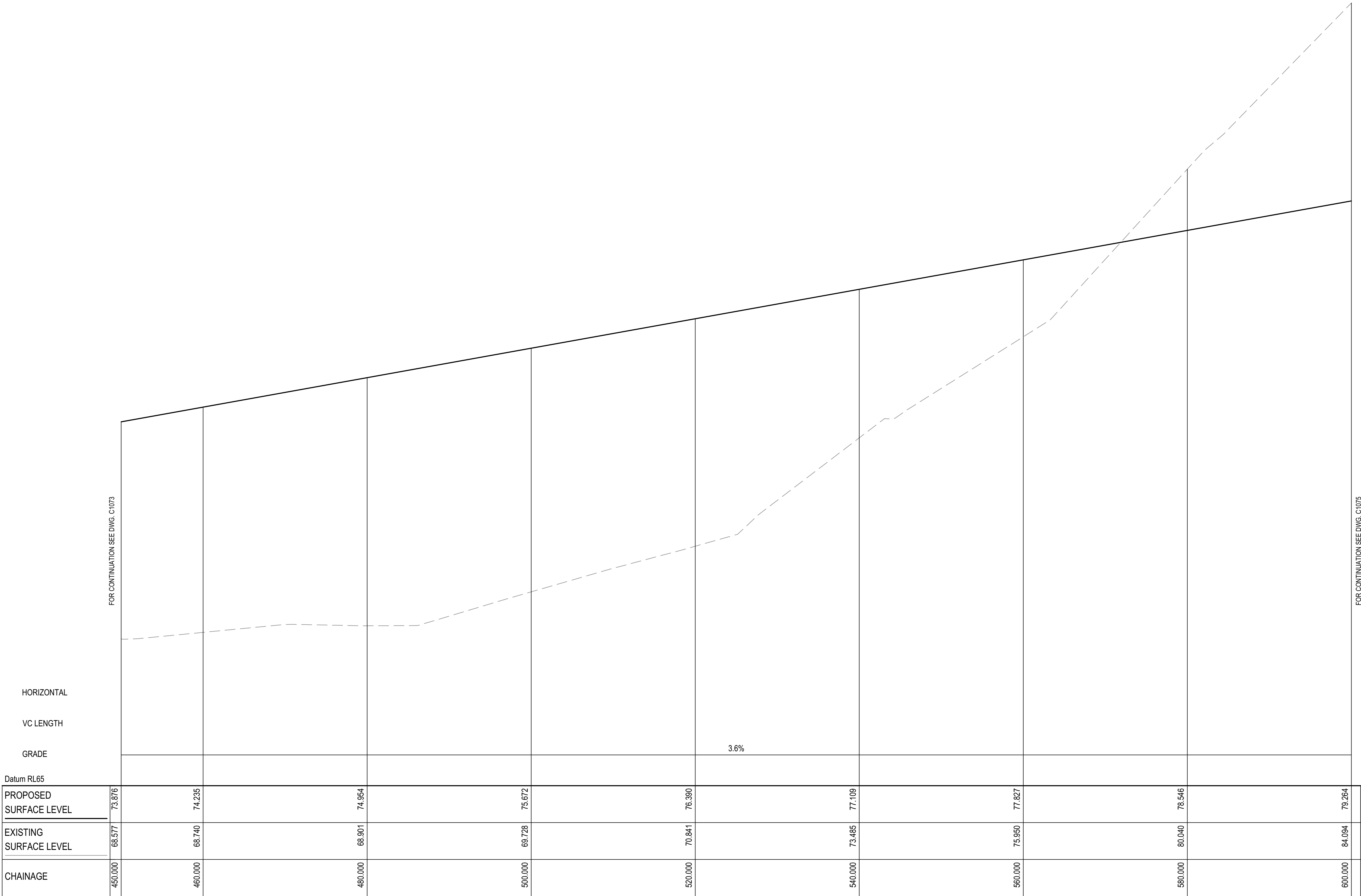
A1

Project - Drawing No.

22-1041-C1073

Issue

D



MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

012345m

1 : 50 @ A1 1 : 100 @ A3

0510152025m

1 : 250 @ A1 1 : 500 @ A3

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Client



Stockland



Scales	1:50 1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

ROAD LONGITUDINAL SECTIONS
SHEET 4

Civil Engineers and Project Managers

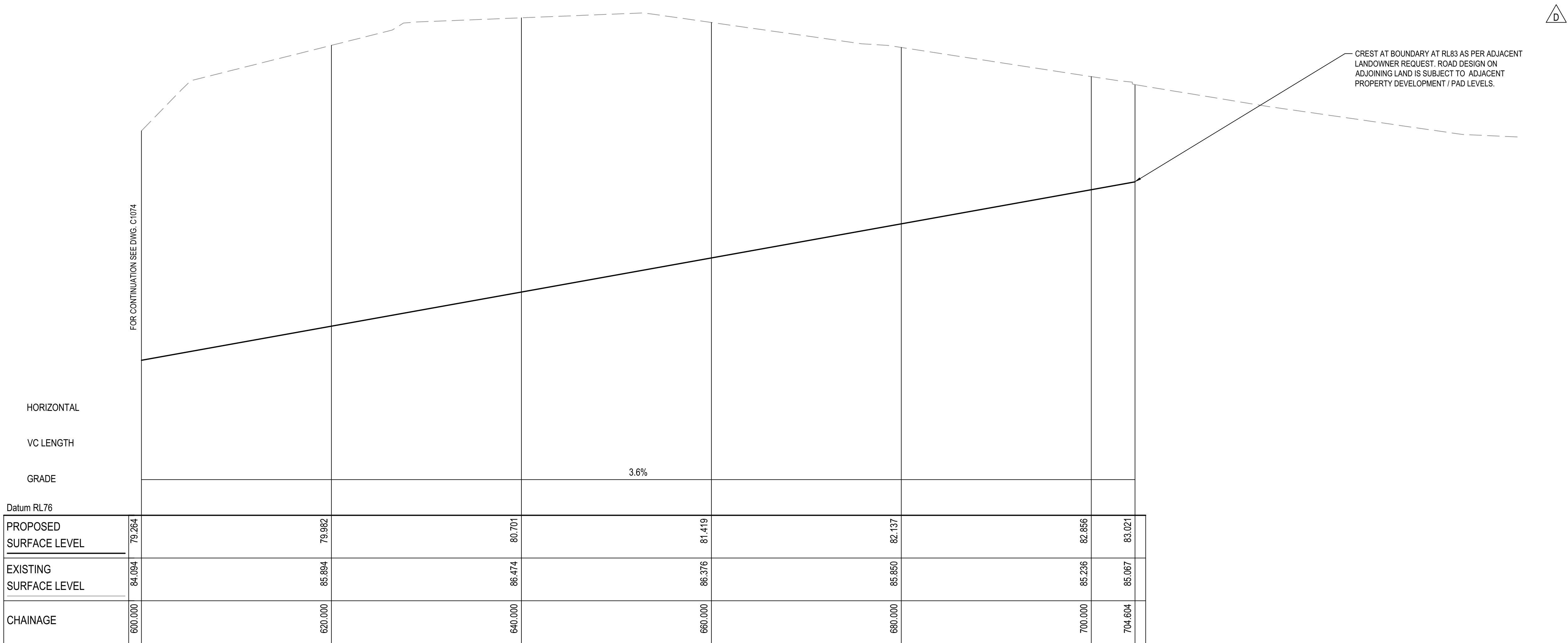
Level 7, 153 Walker Street
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NSW 2060
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www.atl.net.au
ABN 96 130 882 405

at&l

FOR APPROVAL
NOT FOR CONSTRUCTION

22-1041-C1074

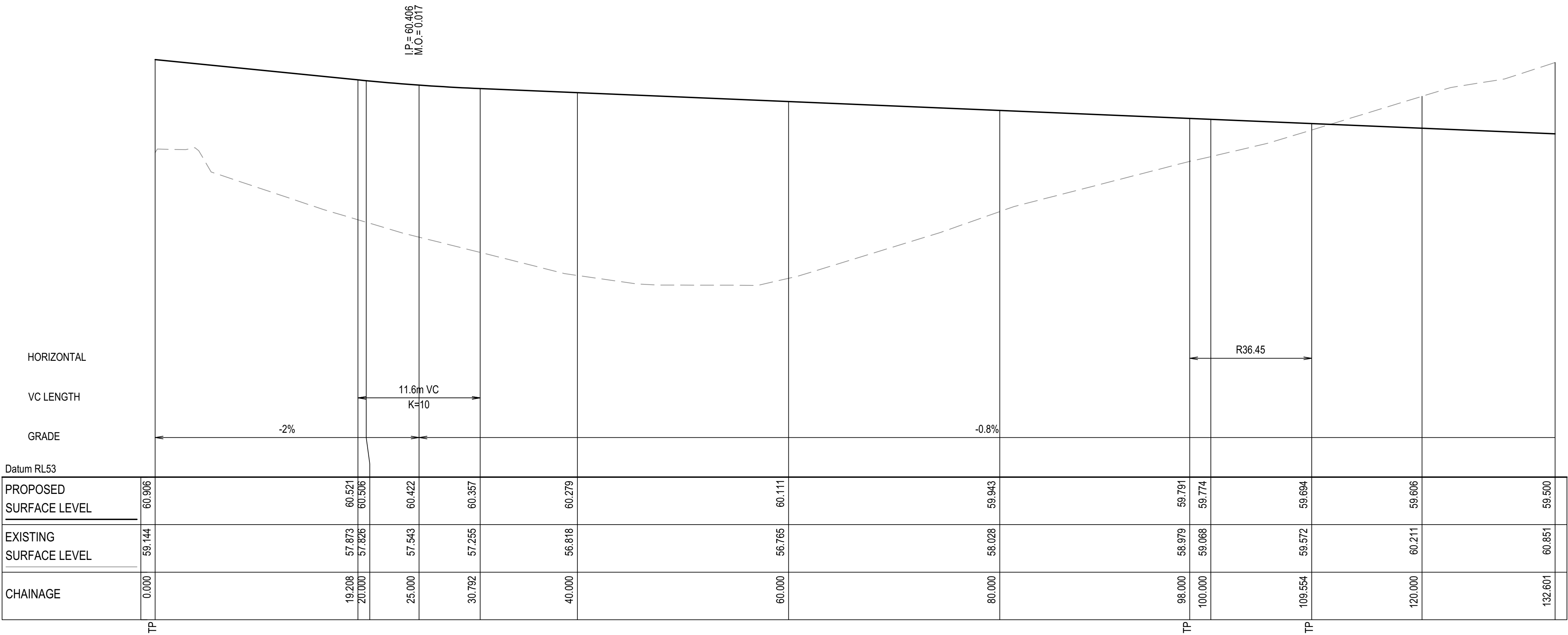
Issue
D



MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

			Bar Scales 012345m 1 : 50 @ A1 1 : 100 @ A3 0510152025m 1 : 250 @ A1 1 : 500 @ A3	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	Client Stockland FIFECAPITAL	Scales1:50 1:250 Grid2020 GDA Height DatumAHD	DrawnJH DesignedADS CheckedAM Approved	Project 270 ALDINGTON ROAD	Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405	
D FOR APPROVAL	16-05-25									
C FOR APPROVAL	17-02-25							ROAD LONGITUDINAL SECTIONS SHEET 5	Project - Drawing No. 22-1041-C1075	Issue D
B FOR TENDER	16-09-24									
A PRELIMINARY ISSUE	01-11-23									
Issue	Description	Date								

100mm on Original



MC02 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

012345m

1 : 50 @ A1 1 : 100 @ A3

0510152025m

1 : 250 @ A1 1 : 500 @ A3

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Client



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Scales	1:50 1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

ROAD LONGITUDINAL SECTIONS
SHEET 6

Civil Engineers and Project Managers

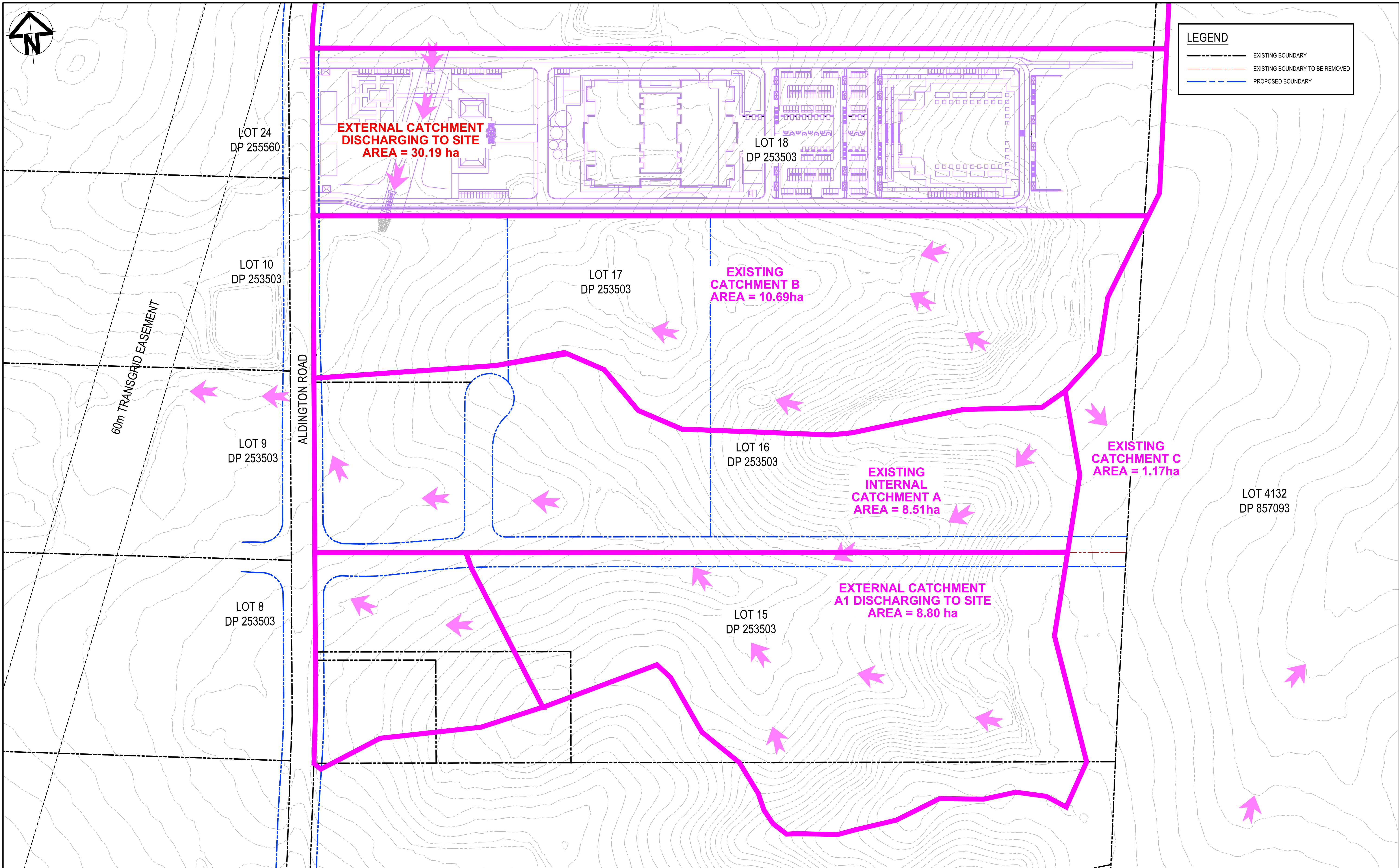
Level 7, 153 Walker Street
North Sydney
NSW 2060
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

at&l

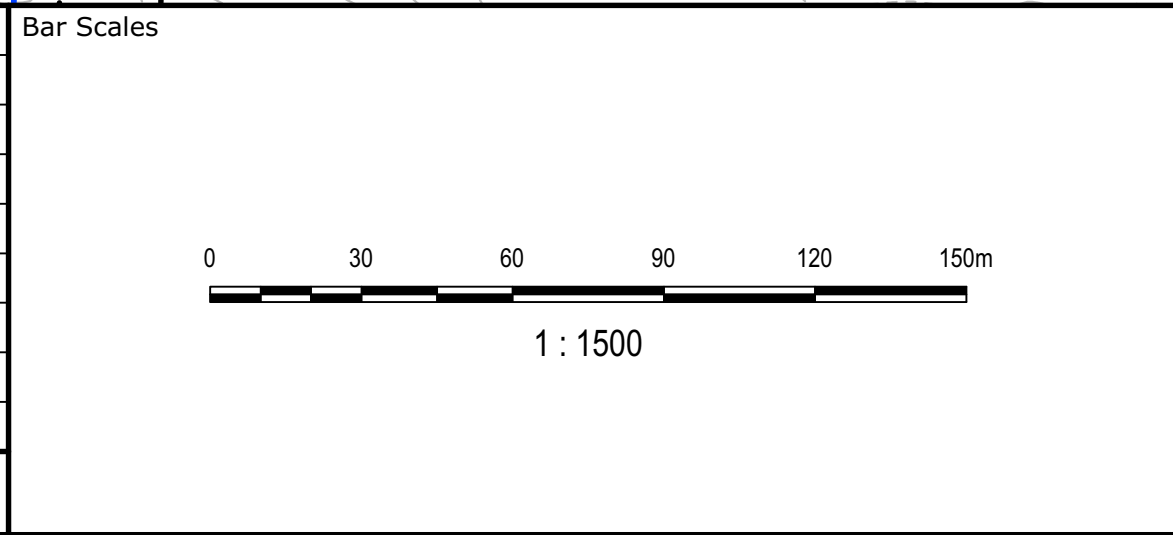
FOR APPROVAL
NOT FOR CONSTRUCTION

Project - Drawing No.
22-1041-C1076

Issue
D



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

**Stockland**



Scales	1:1000	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

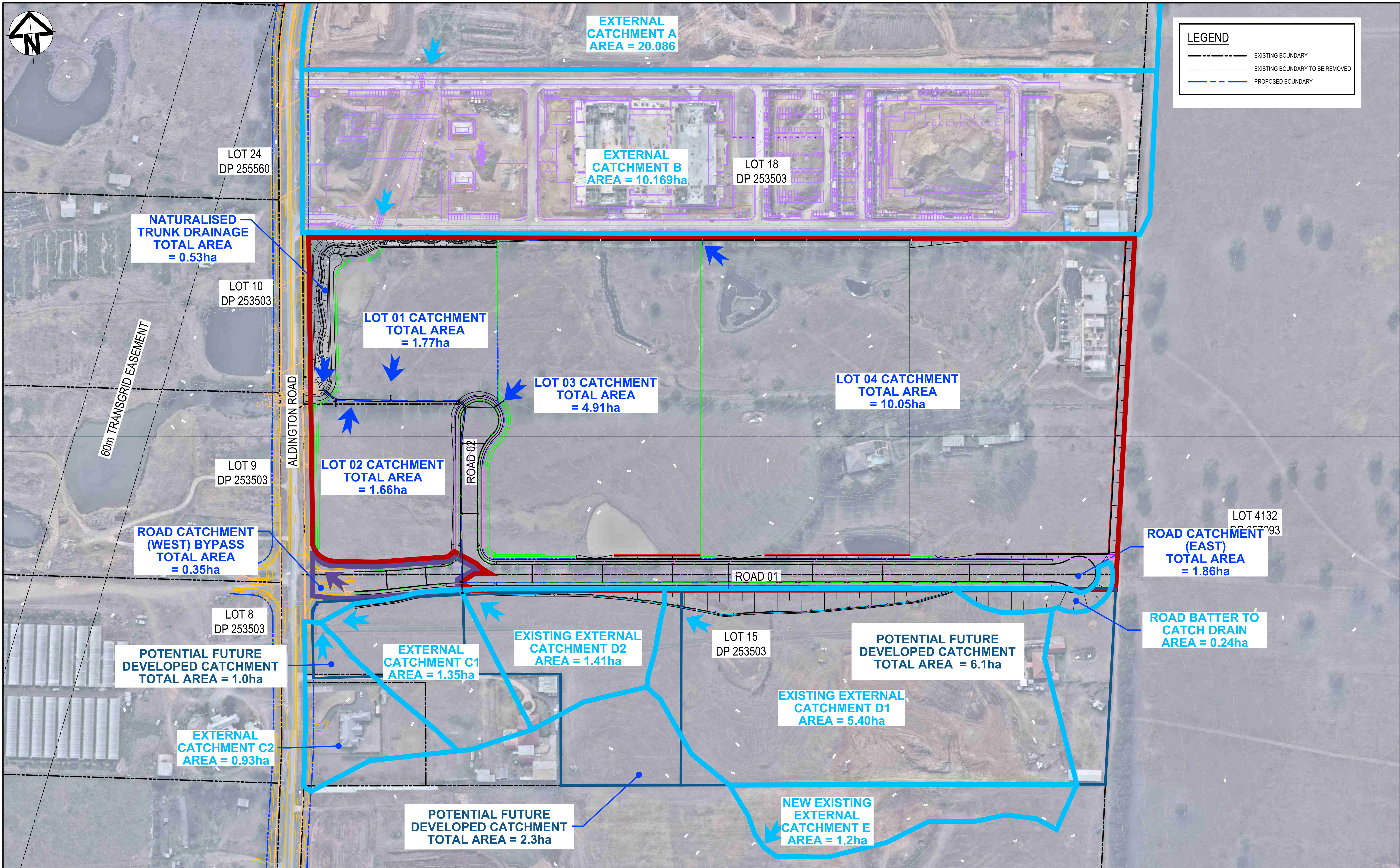
STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPMENT)

Civil Engineers and Project Managers

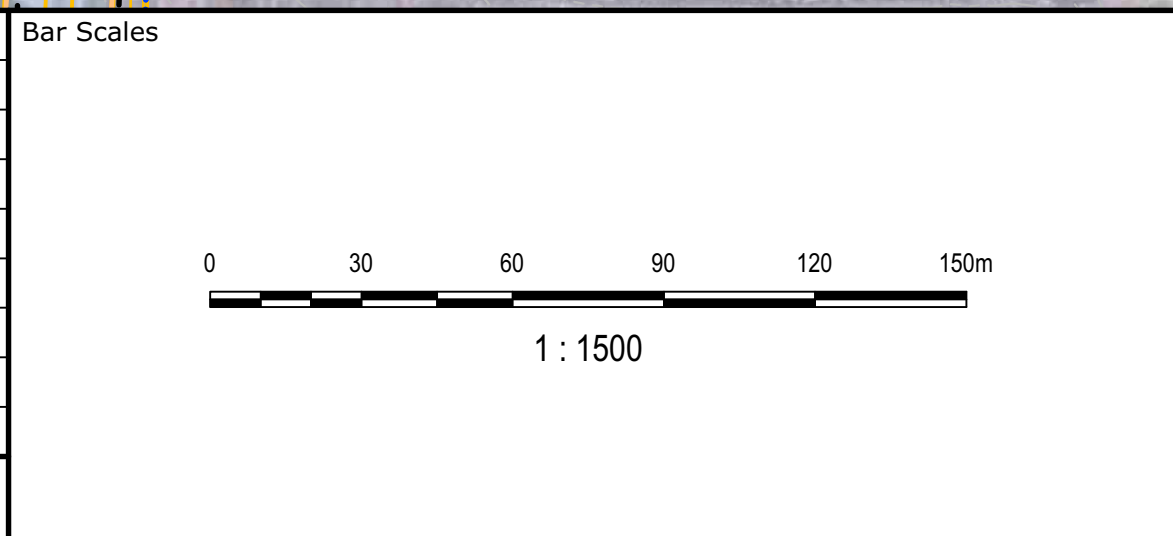
Level 7, 153 Walker Street
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NSW 2060
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Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1081	Issue D



Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23



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Client

**Stockland**



Scales	1:1000	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

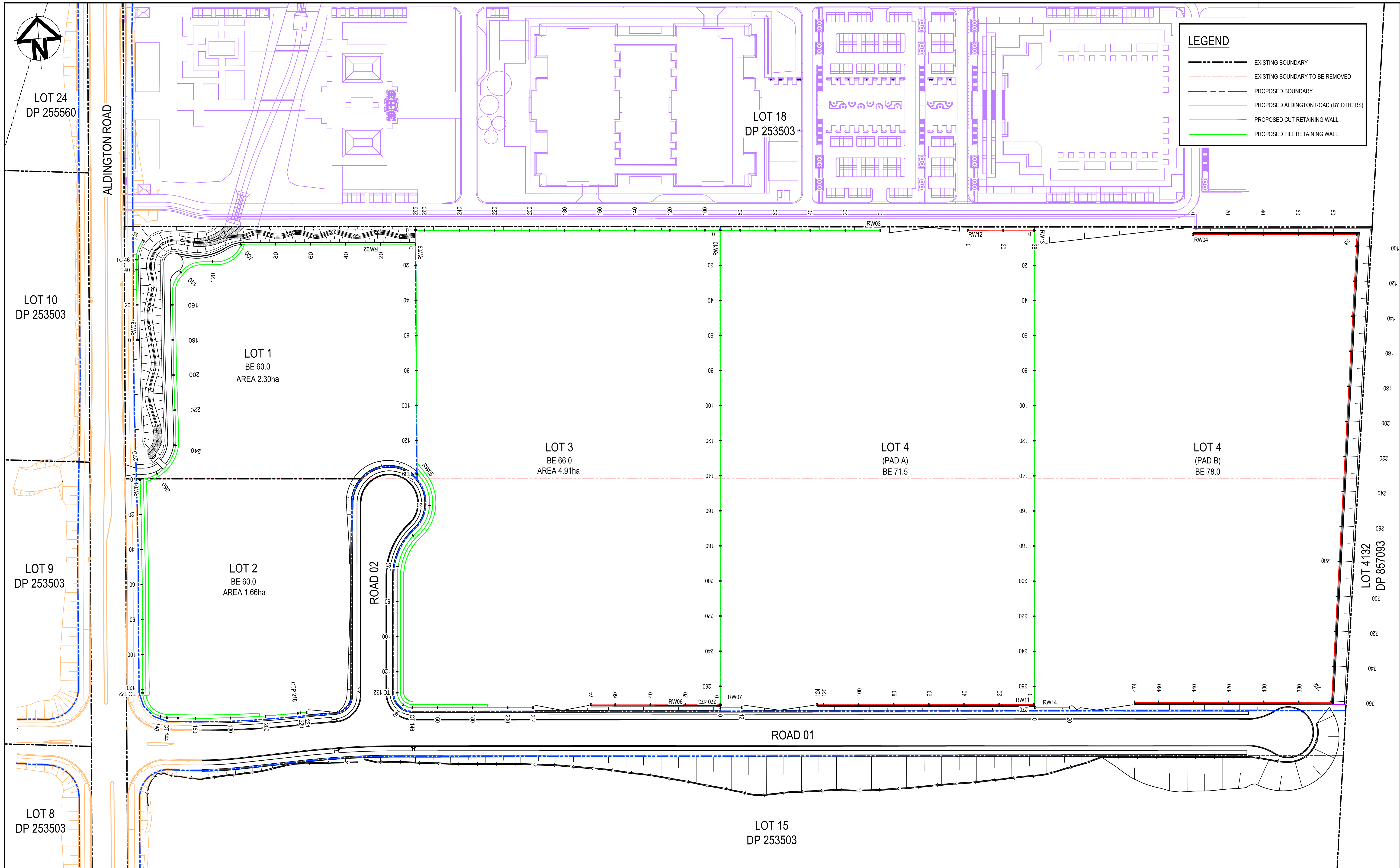
STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPMENT)

Civil Engineers and Project Managers

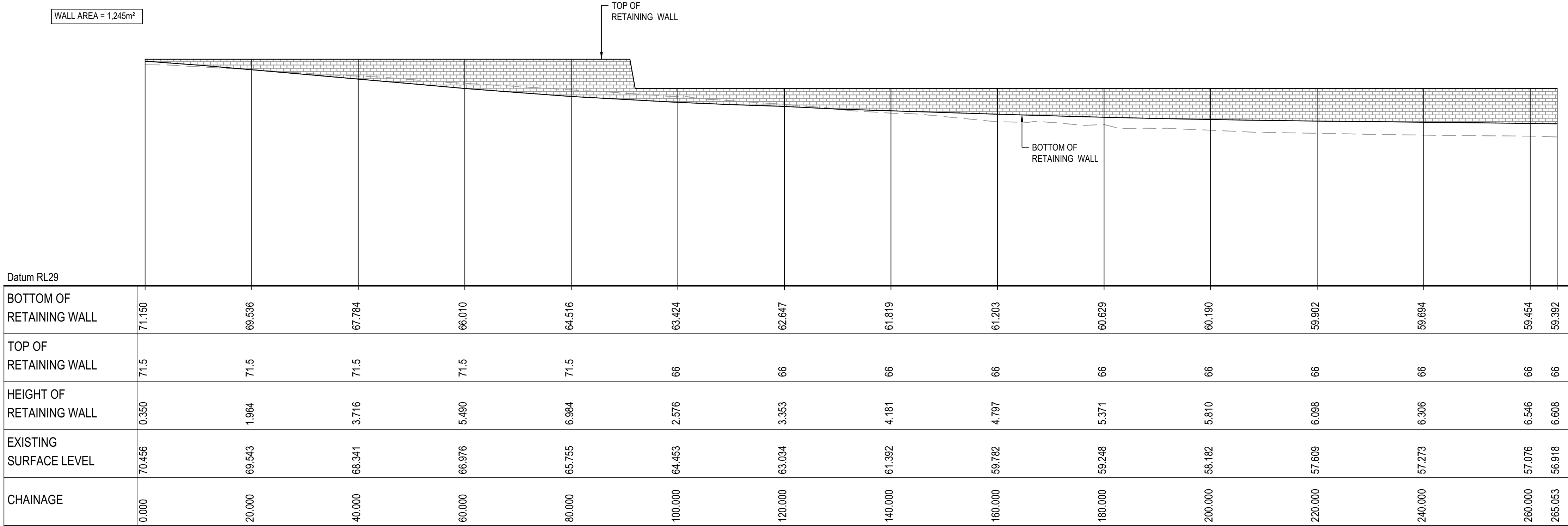
Level 7, 153 Walker Street
North Sydney
NSW 2060
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www.atl.net.au
ABN 96 130 882 405

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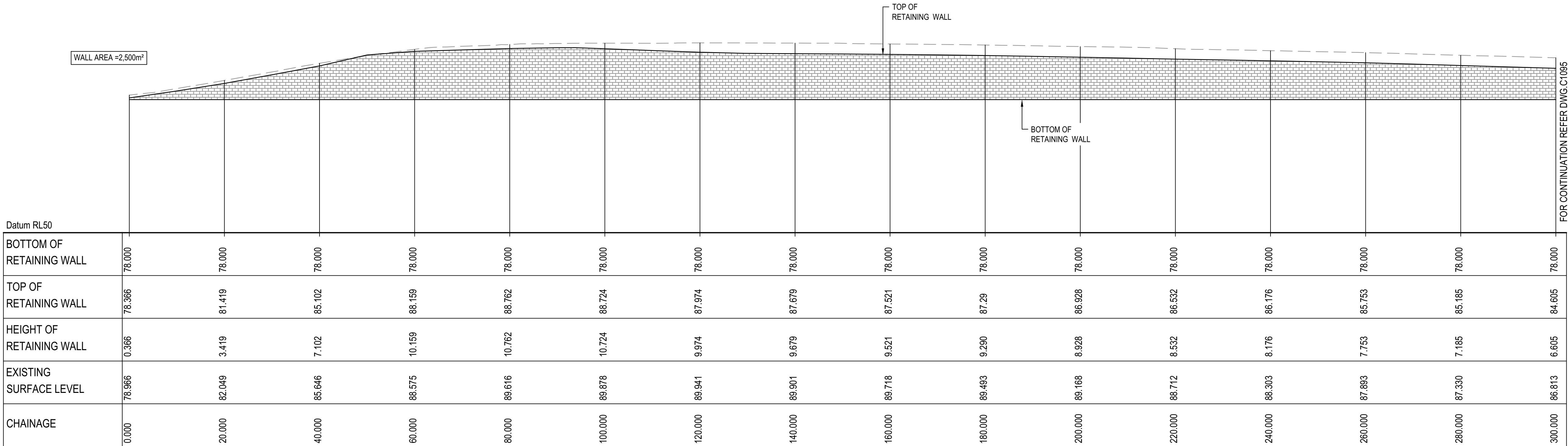
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1082	Issue D



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								1:1000		JH		270 ALDINGTON ROAD		Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405	
		1: 1000 @ A1 1: 2000 @ A3						Grid 2020 GDA		Designed ADS					
D FOR APPROVAL		16-05-25						Height Datum AHD		Checked AM		Title		Status	
C FOR APPROVAL		17-02-25								Approved		RETAINING WALL GENERAL ARRANGEMENT PLAN		FOR APPROVAL NOT FOR CONSTRUCTION	
B FOR TENDER		16-09-24												Project - Drawing No.	
A PRELIMINARY ISSUE		01-11-23												22-1041-C1091	
Issue		Description		Date										Issue	
														D	



RETAINING WALL RW03 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW04 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

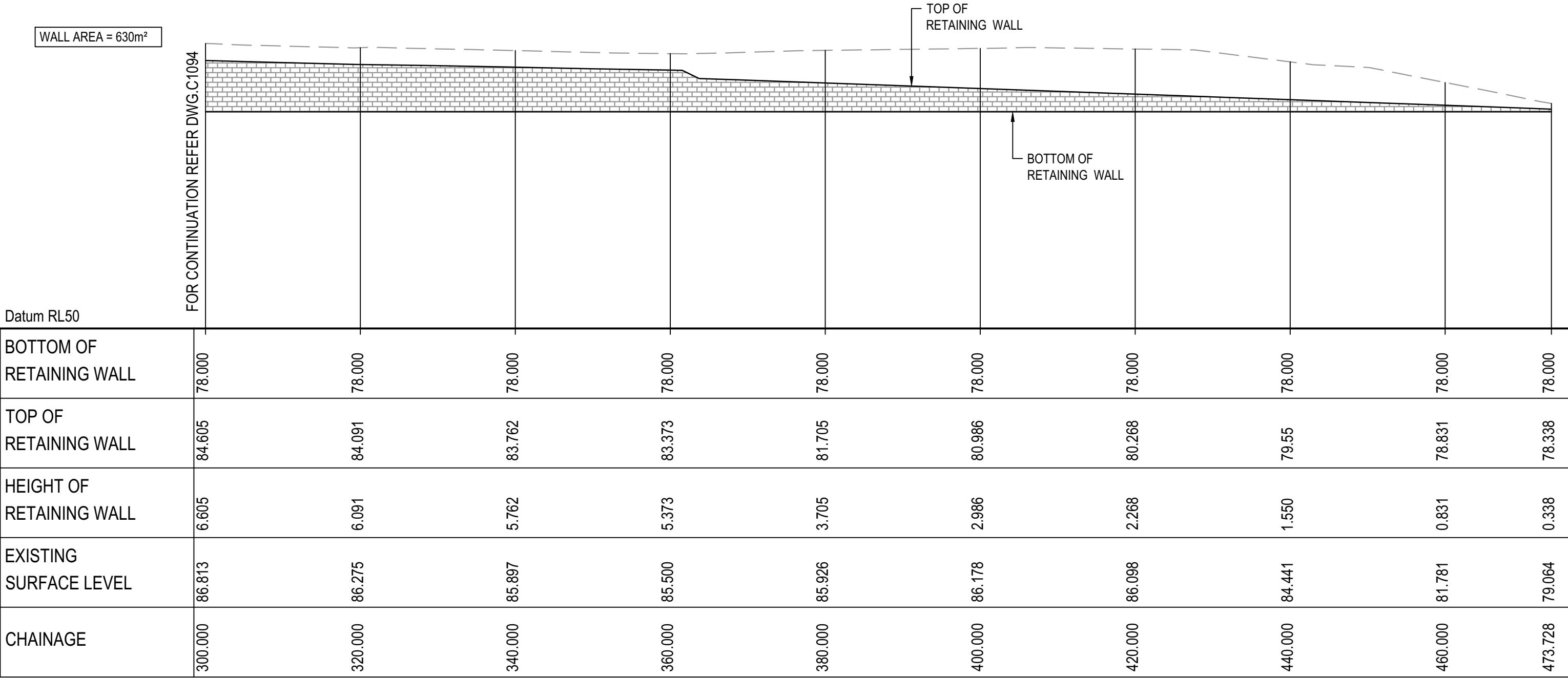
			Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client  Stockland 	Scales 1:500 (H) 1:500 (V)	Drawn JH	Project	Civil Engineers and Project Managers Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
			Designed ADS			270 ALDINGTON ROAD					
			Checked AM								
D	FOR APPROVAL	16-05-25				Height Datum AHD	Approved	Title	RETAINING WALL PROFILES SHEET 3	Status FOR APPROVAL NOT FOR CONSTRUCTION	A1
C	FOR APPROVAL	17-02-25									
B	FOR TENDER	16-09-24						Project - Drawing No. 22-1041-C1094	Issue D		
A	PRELIMINARY ISSUE	01-11-23									
Issue	Description	Date									



1 : 500 @ A1 1 : 1000 @ A3



F:\22-1041 270 Aldington Road\6.0 Drgs\Civil\Final\1000 DA\22-1041-C1094.dwg



RETAINING WALL RW04 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Stockland



Scales	1:500 (H) 1:500 (V)	Drawn	JH
	Grid 2020 GDA	Designed	ADS
		Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

RETAINING WALL PROFILES
SHEET 4

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

at&l

Status

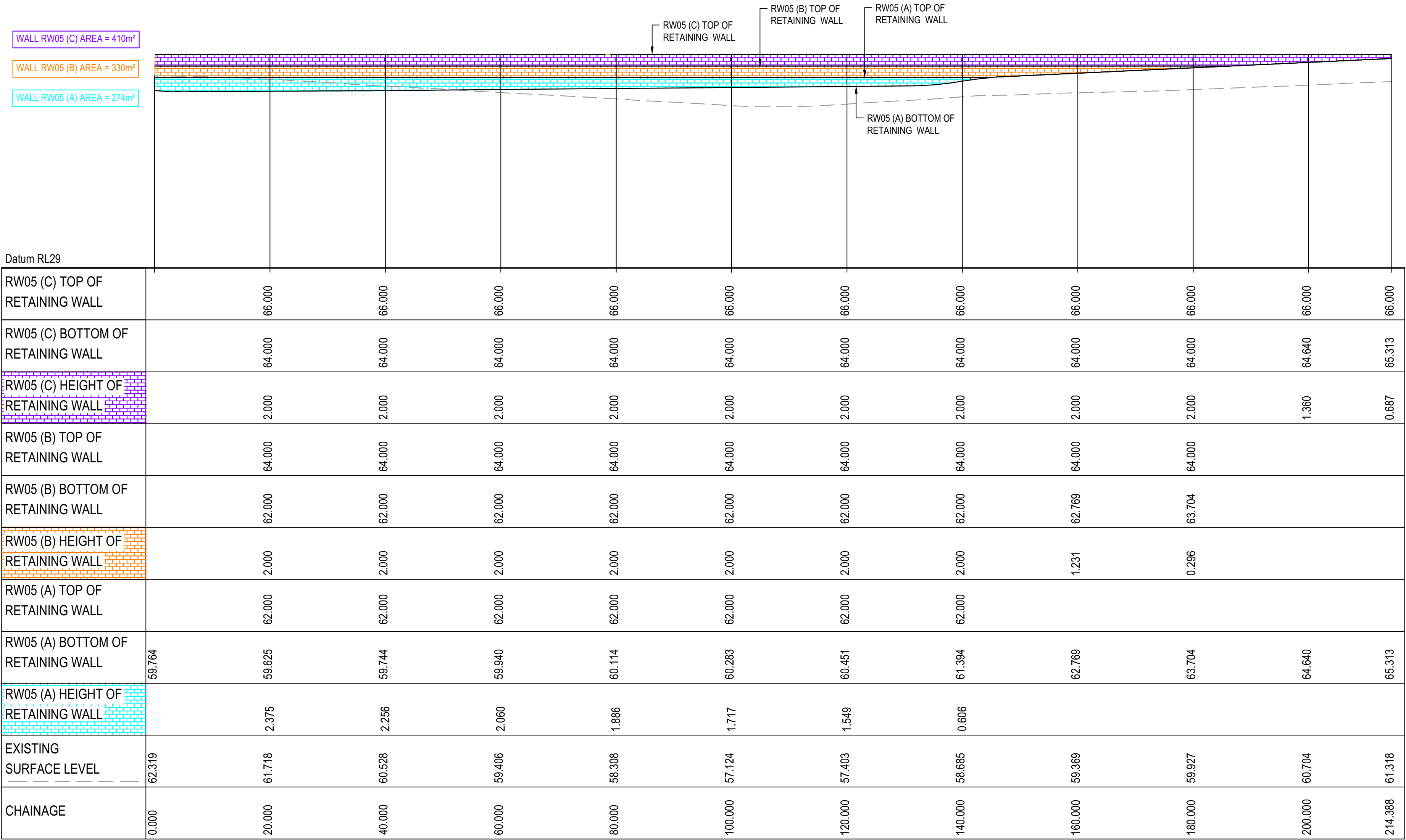
FOR APPROVAL
NOT FOR CONSTRUCTION

Project - Drawing No.

22-1041-C1095

Issue

D



RETAINING WALL RW05 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Scales	1:500 (H) 1:500 (V)	Drawn	JH
Grid	2020 GDA	Designed	ADS
Height Datum	AHD	Checked	AM
		Approved	

Project

270 ALDINGTON ROAD

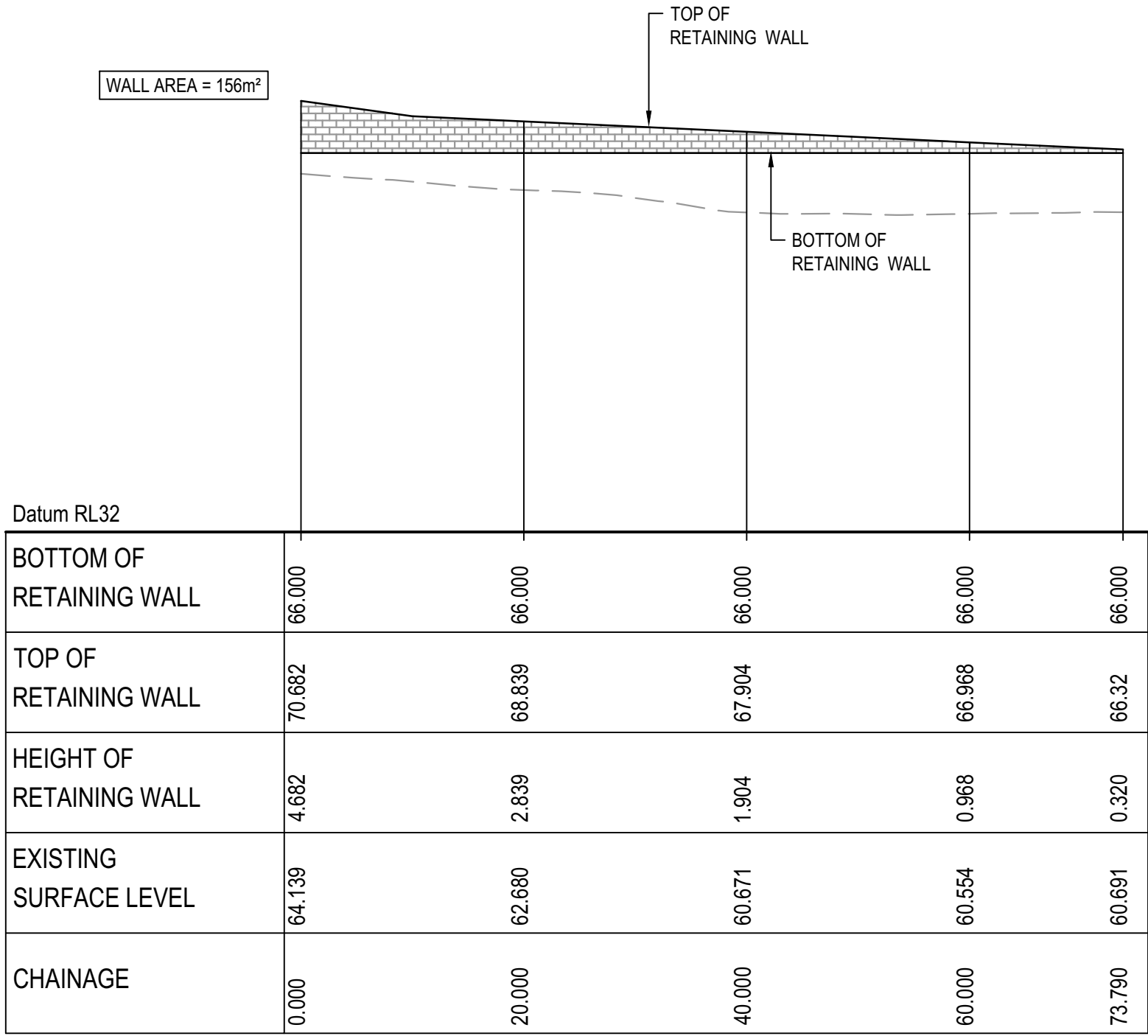
RETAINING WALL PROFILES
SHEET 5

Civil Engineers and Project Managers

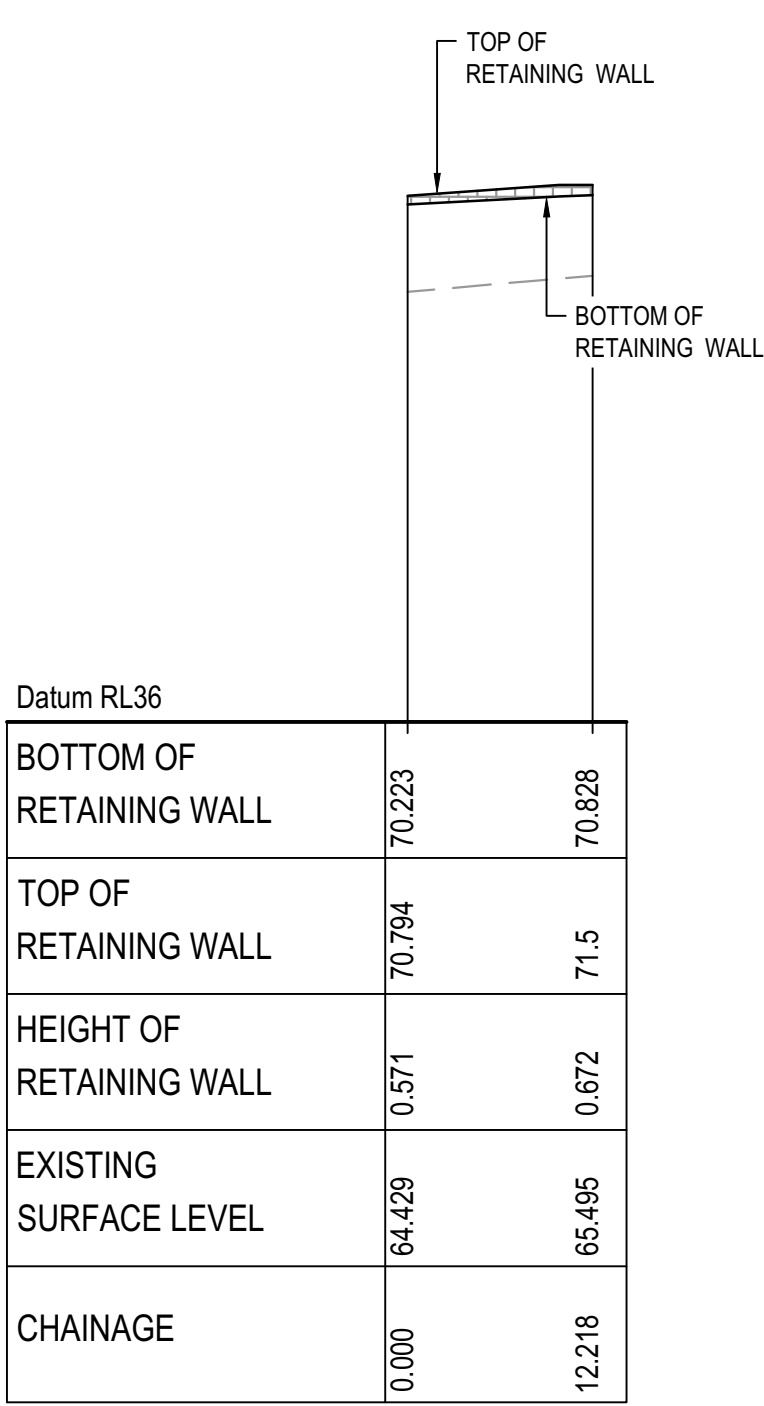
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
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www.atl.net.au
ABN 96 130 882 405

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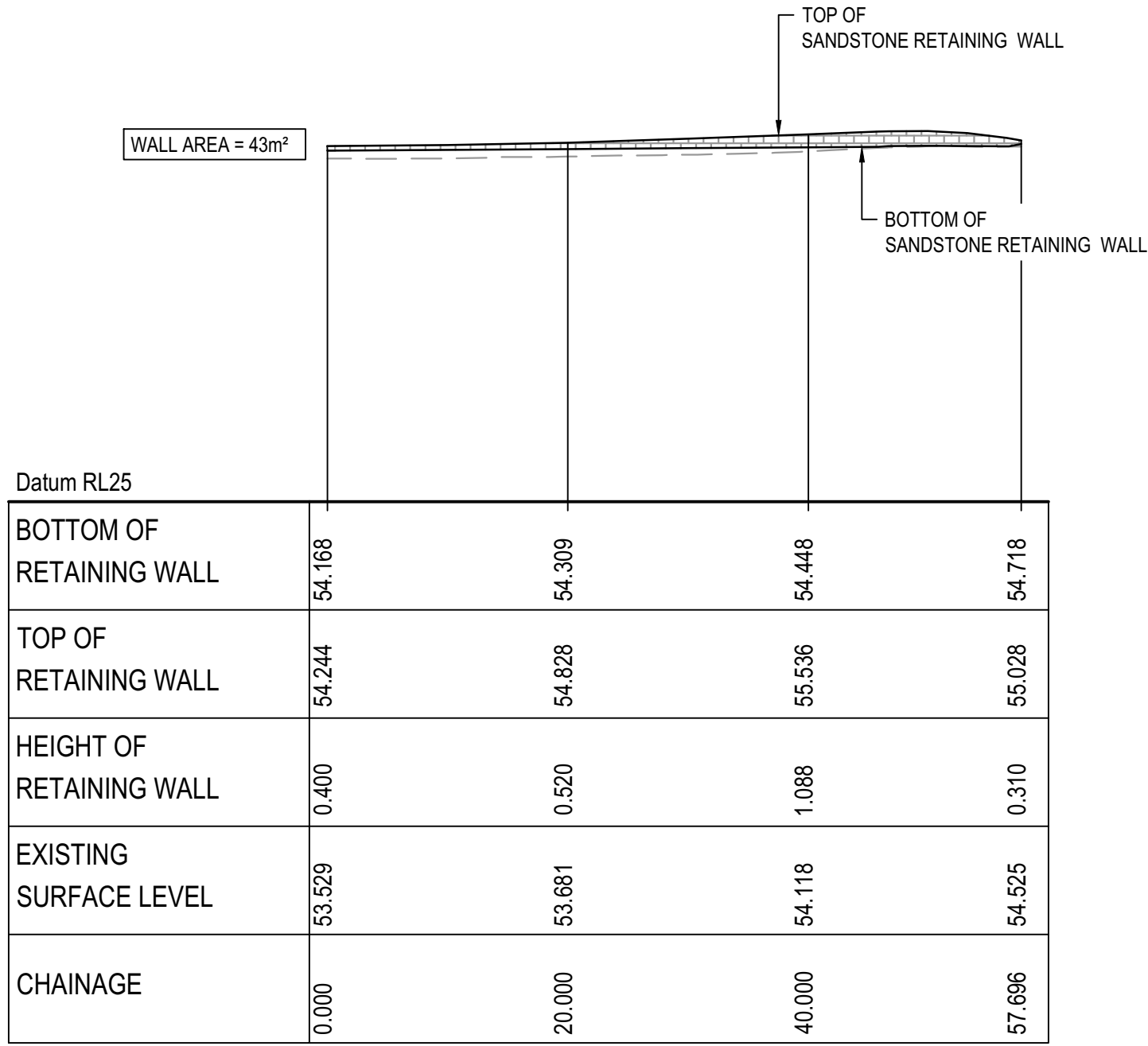
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1096	Issue D



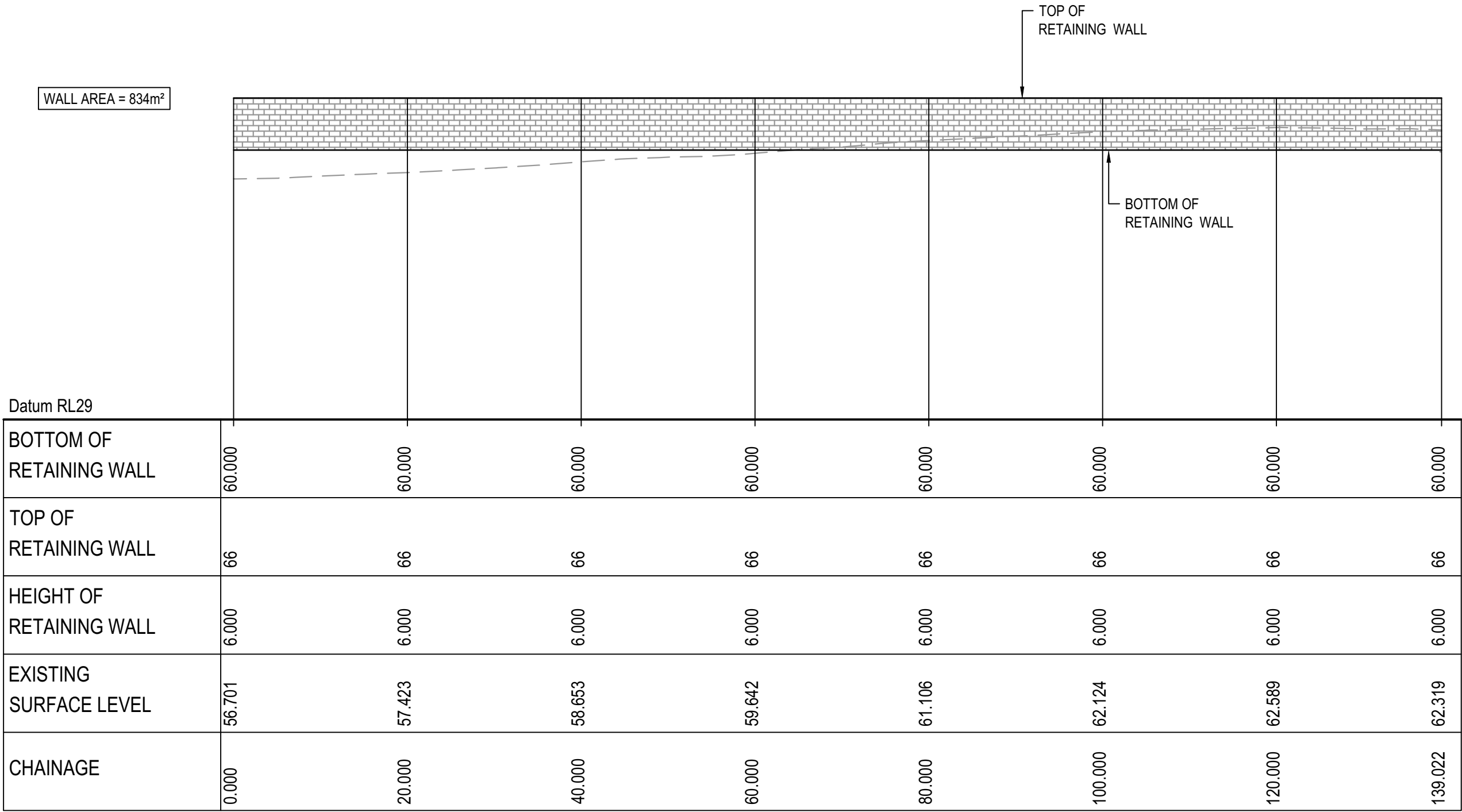
RETAINING WALL RW06 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW07 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



SANDSTONE RETAINING WALL RW08 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW09 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Stockland



Scales

1:500 (H)
1:500 (V)

Grid

2020 GDA

Height Datum

AHD

Drawn

JH

Designed

ADS

Checked

AM

Approved

Project

270 ALDINGTON ROAD

Title

RETAINING WALL PROFILES
SHEET 6

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
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ABN 96 130 882 405

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

Project - Drawing No.

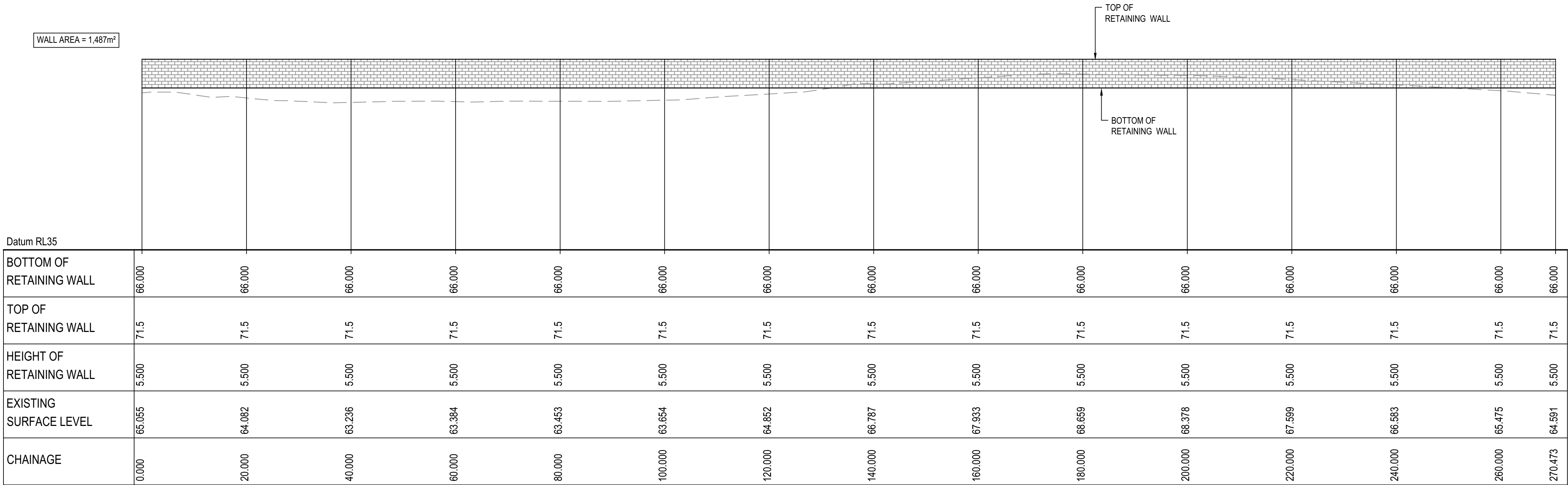
22-1041-C1097

Issue

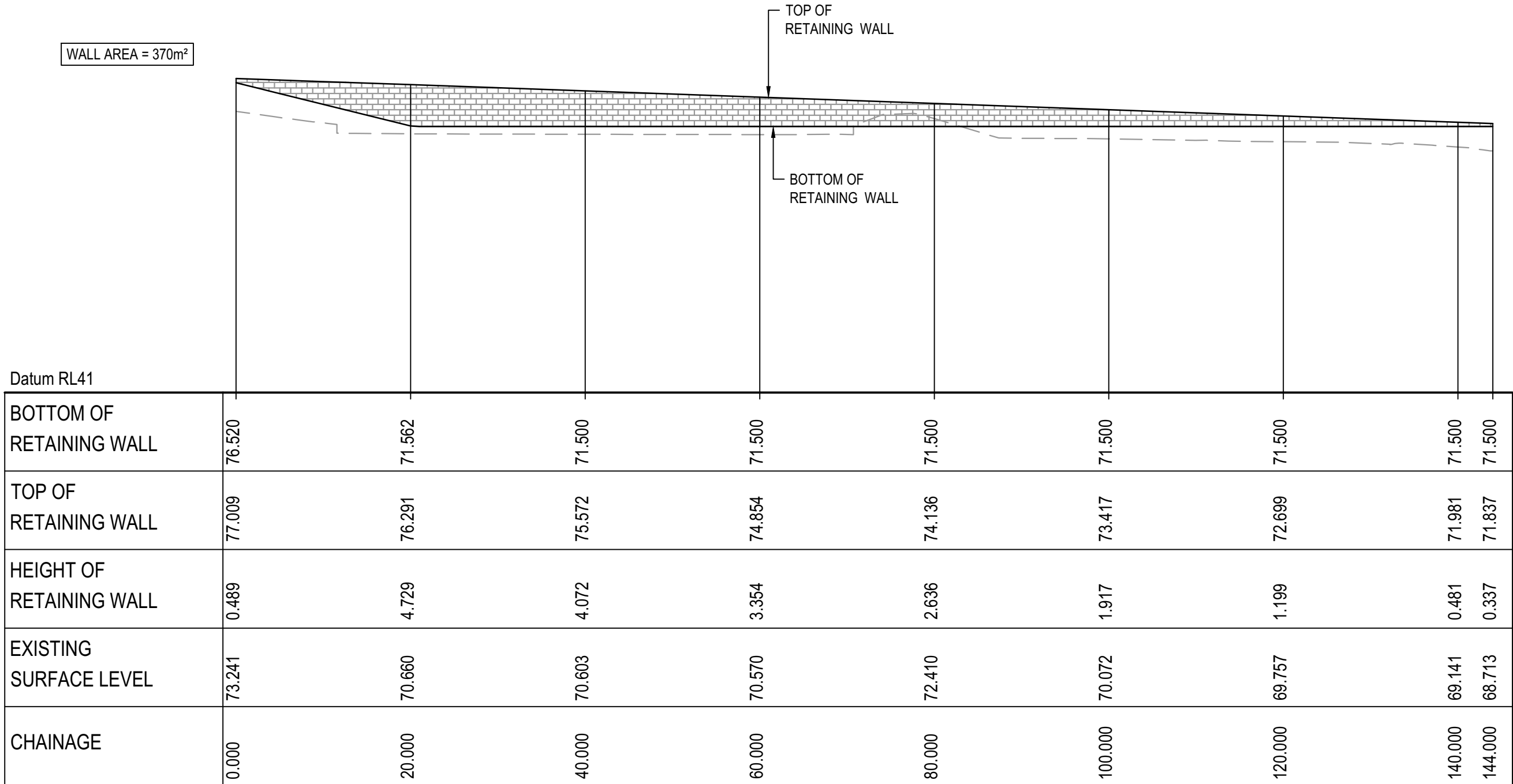
D

100mm on Original

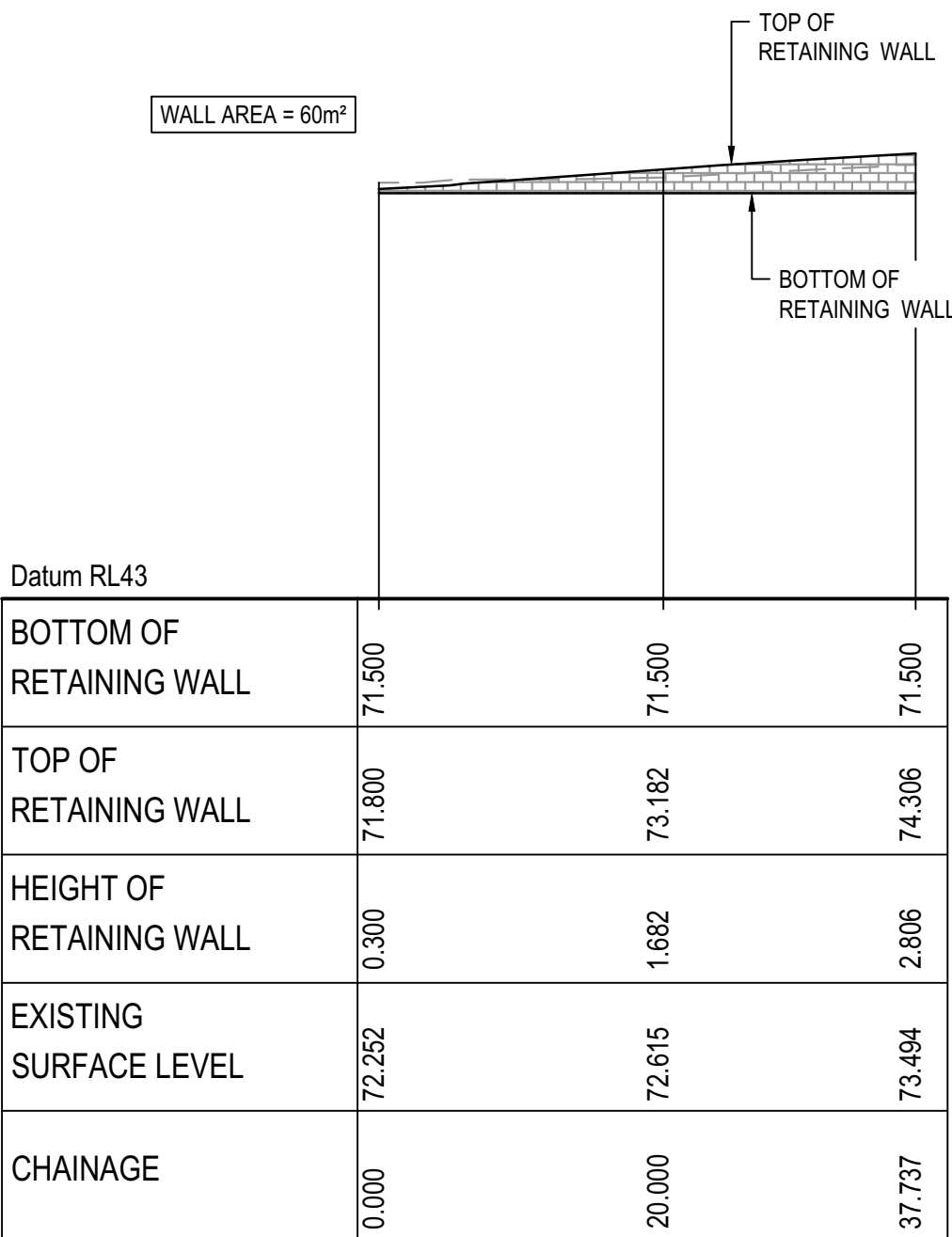
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RETAINING WALL RW10 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW11 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

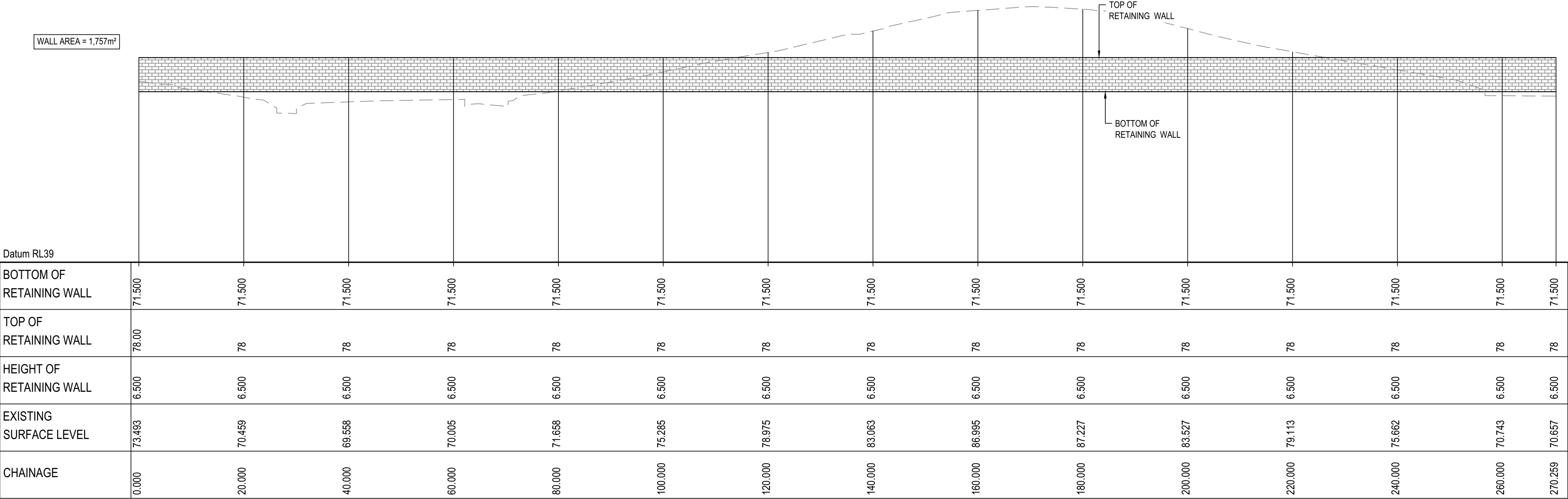


RETAINING WALL RW12 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

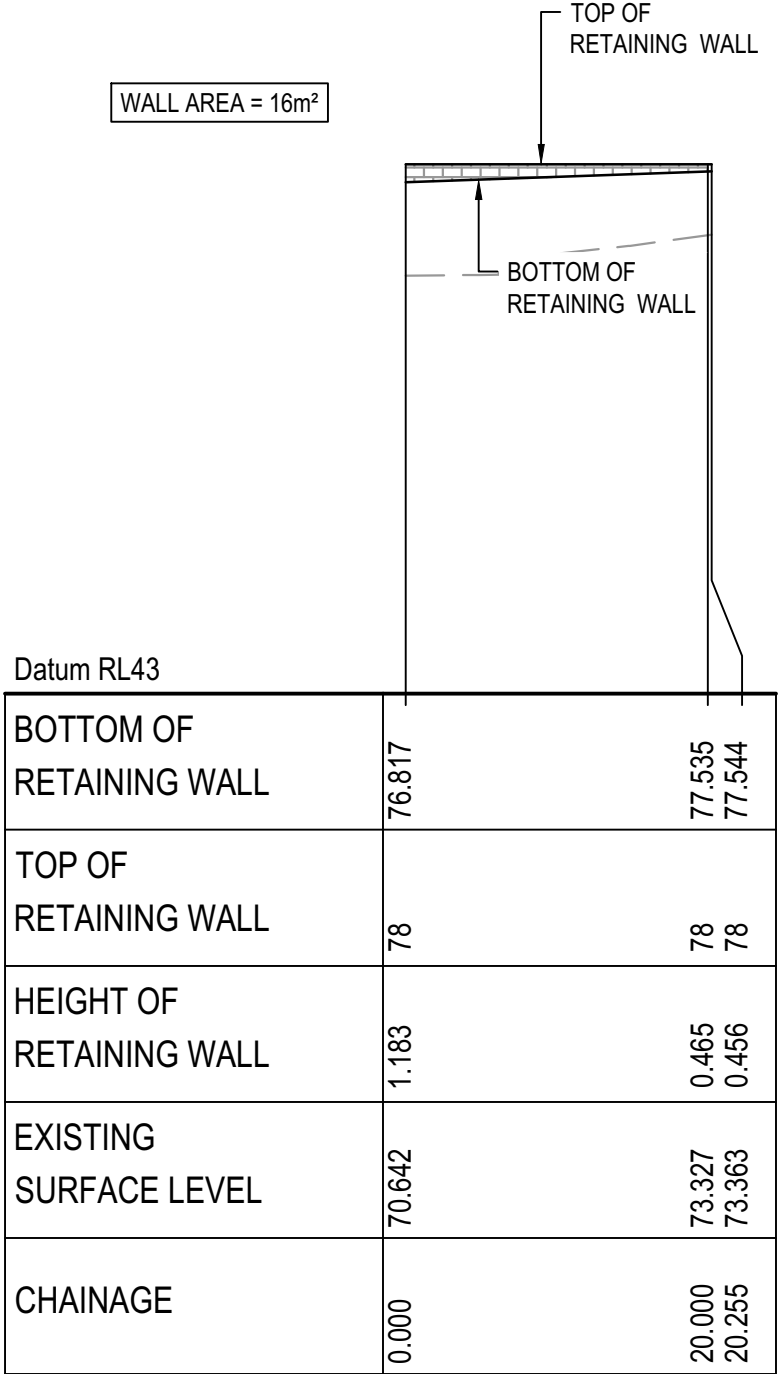
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									1:500 (H) 1:500 (V)			JH				
										Designed		ADS				
									Grid	2020 GDA		Checked	AM			
									Height Datum	AHD		Approved				
														Title		
														RETAINING WALL PROFILES SHEET 7		
														Status FOR APPROVAL NOT FOR CONSTRUCTION		A1
												Project - Drawing No. 22-1041-C1098		Issue D		

100mm on Original

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RETAINING WALL RW13 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW14 PROFILE
SCALE 1:500 HORI.
1:500 VERT.

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Stockland

FIFECAPITAL

Scales

1:500 (H)
1:500 (V)

Grid

2020 GDA

Height Datum

AHD

Drawn

JH

Designed

ADS

Checked

AM

Approved

Project

270 ALDINGTON ROAD

Title

RETAINING WALL PROFILES
SHEET 8

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

A1

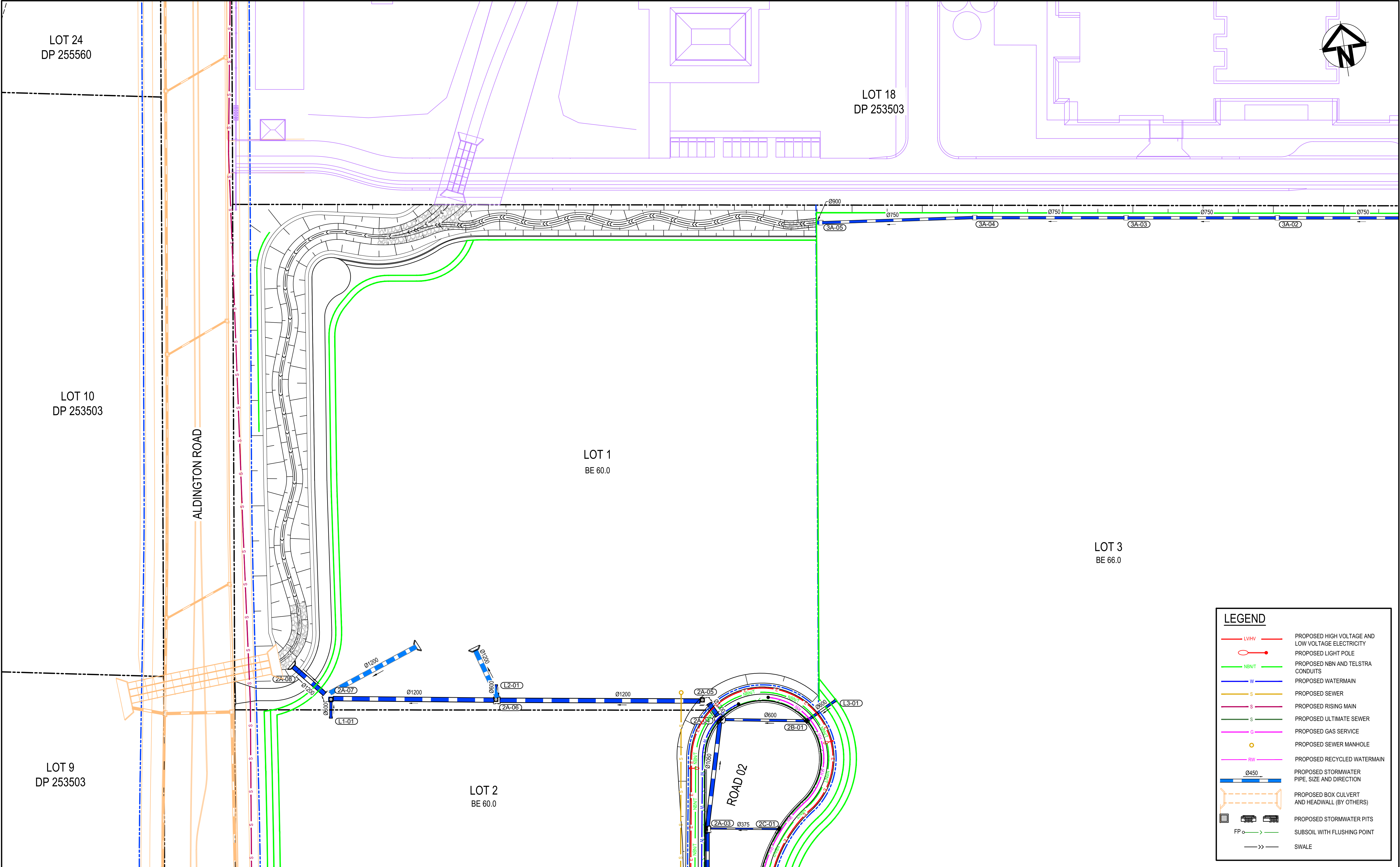
Project - Drawing No.

22-1041-C1099

Issue

D

F:\22-1041 270 Aldington Road\6.0 Drgs\Civil\Final\1000 DA\22-1041-C1099.dwg



LEGEND

— LVHV —	PROPOSED HIGH VOLTAGE AND LOW VOLTAGE ELECTRICITY
— NBN/T —	PROPOSED NBN AND TELSTRA CONDUITS
— W —	PROPOSED WATERMAIN
— S —	PROPOSED SEWER
— S —	PROPOSED RISING MAIN
— S —	PROPOSED ULTIMATE SEWER
— G —	PROPOSED GAS SERVICE
○	PROPOSED SEWER MANHOLE
— RW —	PROPOSED RECYCLED WATERMAIN
— Ø450 —	PROPOSED STORMWATER PIPE, SIZE AND DIRECTION
—	PROPOSED BOX CULVERT AND HEADWALL (BY OTHERS)
■	PROPOSED STORMWATER PITS
FP —>—	SUBSOIL WITH FLUSHING POINT
—>>—	SWALE

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

 Stockland



Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

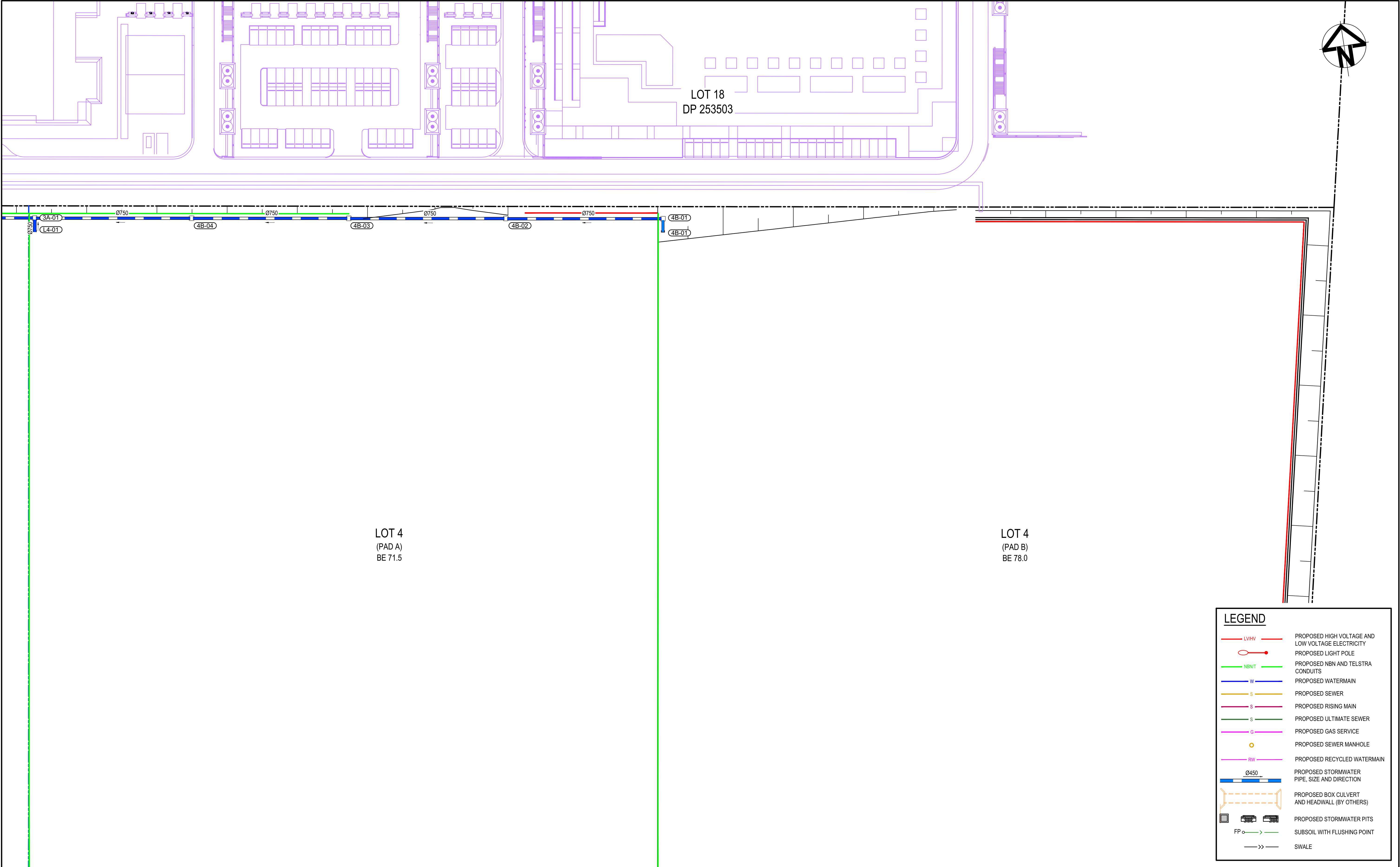
SERVICES AND UTILITIES COORDINATION PLAN SHEET 1

Civil Engineers and Project Managers

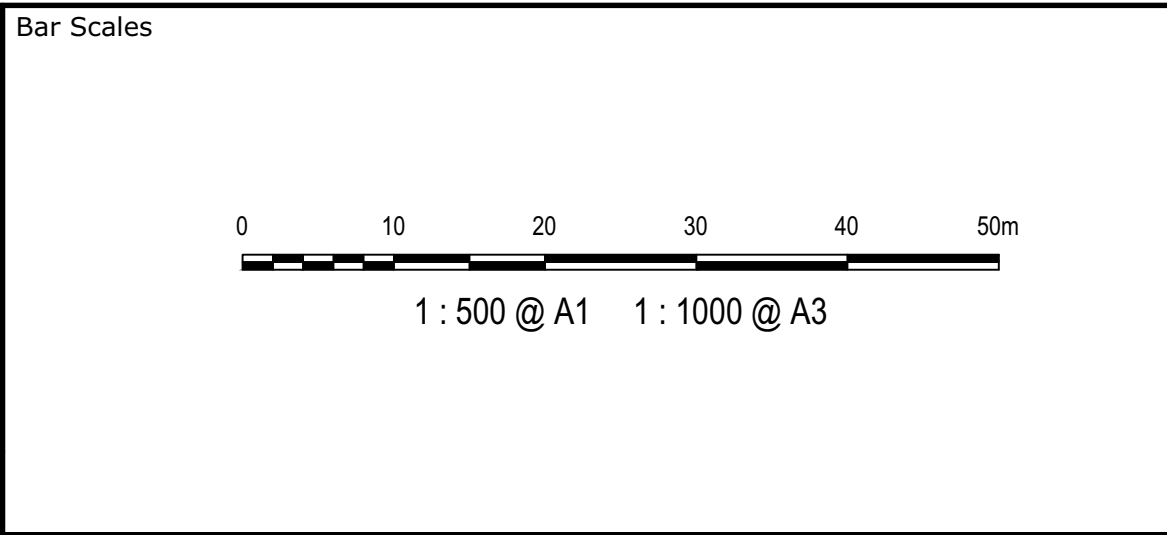
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

at&l

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1111	Issue D



D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

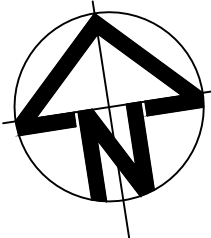
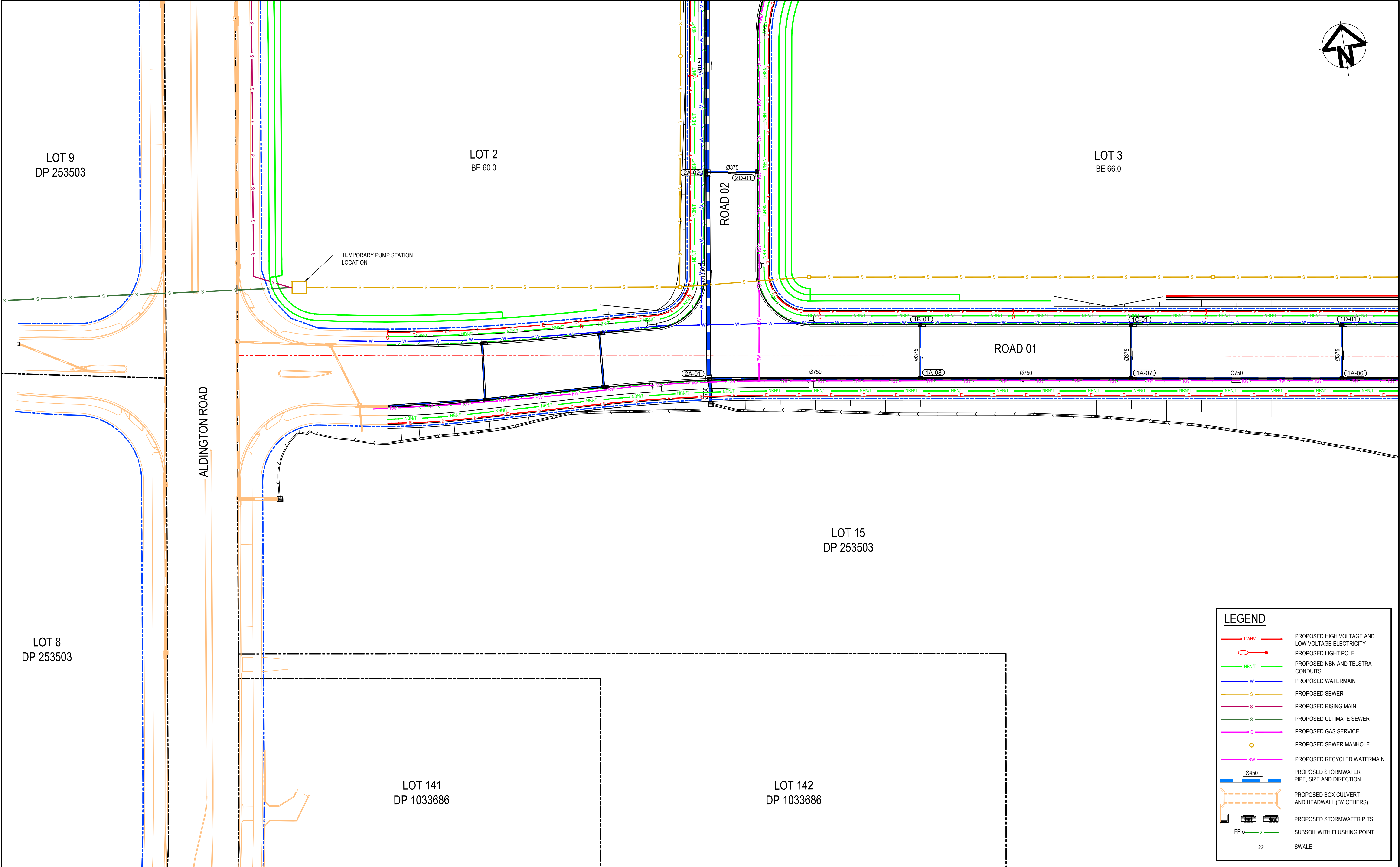
Title

SERVICES AND UTILITIES COORDINATION PLAN SHEET 2

Civil Engineers and Project Managers

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www.atl.net.au
ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1112	Issue D



LEGEND

— LV/HV —

PROPOSED HIGH VOLTAGE AND LOW VOLTAGE ELECTRICITY

○ —

PROPOSED LIGHT POLE

— NBN/T —

PROPOSED NBN AND TELSTRA CONDUITS

— W —

PROPOSED WATERMAIN

— S —

PROPOSED SEWER

— S —

PROPOSED RISING MAIN

— S —

PROPOSED ULTIMATE SEWER

— G —

PROPOSED GAS SERVICE

○

PROPOSED SEWER MANHOLE

— RW —

PROPOSED RECYCLED WATERMAIN

— Ø450 —

PROPOSED STORMWATER PIPE, SIZE AND DIRECTION

—

PROPOSED BOX CULVERT AND HEADWALL (BY OTHERS)

PROPOSED STORMWATER PITS

FP —>

SUBSOIL WITH FLUSHING POINT

—>>—

SWALE

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

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Client

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

SERVICES AND UTILITIES COORDINATION PLAN
SHEET 3

Civil Engineers and Project Managers

Level 7, 153 Walker Street
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status

FOR APPROVAL
NOT FOR CONSTRUCTION

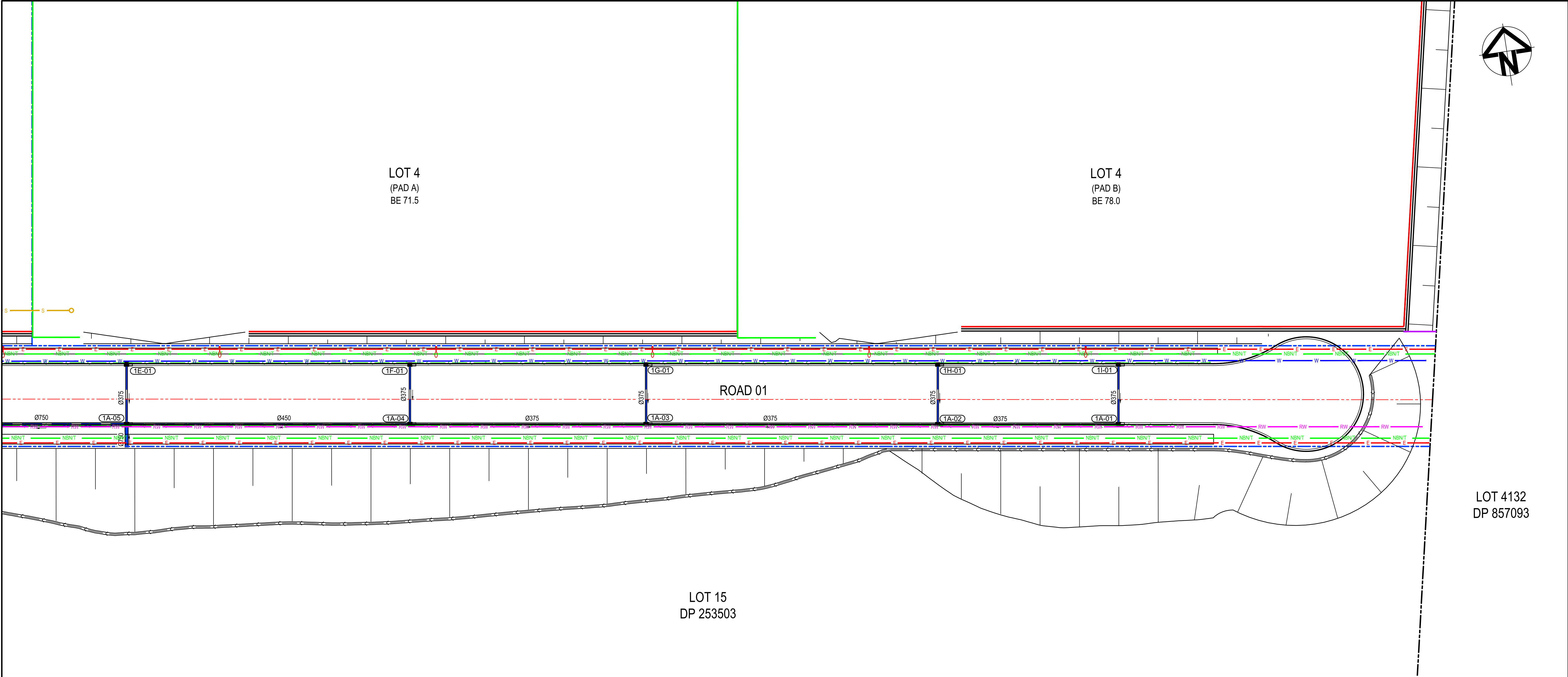
A1

Project - Drawing No.

22-1041-C1113

Issue

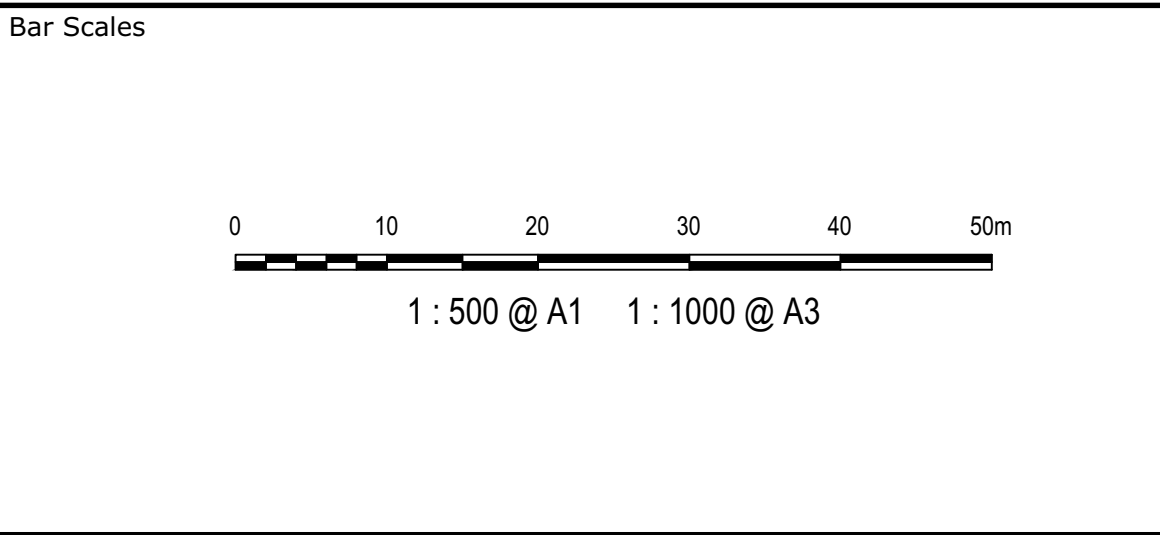
D



LEGEND

- LV/HV — PROPOSED HIGH VOLTAGE AND LOW VOLTAGE ELECTRICITY
- PROPOSED LIGHT POLE
- NBN/T — PROPOSED NBN AND TELSTRA CONDUITS
- W — PROPOSED WATERMAIN
- S — PROPOSED SEWER
- S — PROPOSED RISING MAIN
- S — PROPOSED ULTIMATE SEWER
- G — PROPOSED GAS SERVICE
- PROPOSED SEWER MANHOLE
- RW — PROPOSED RECYCLED WATERMAIN
- Ø450 — PROPOSED STORMWATER PIPE, SIZE AND DIRECTION
- PROPOSED BOX CULVERT AND HEADWALL (BY OTHERS)
- PROPOSED STORMWATER PITS
- FP — SUBSOIL WITH FLUSHING POINT
- >> — SWALE

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	01-11-23
Issue	Description	Date



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Client

Stockland

Scales	1:500	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

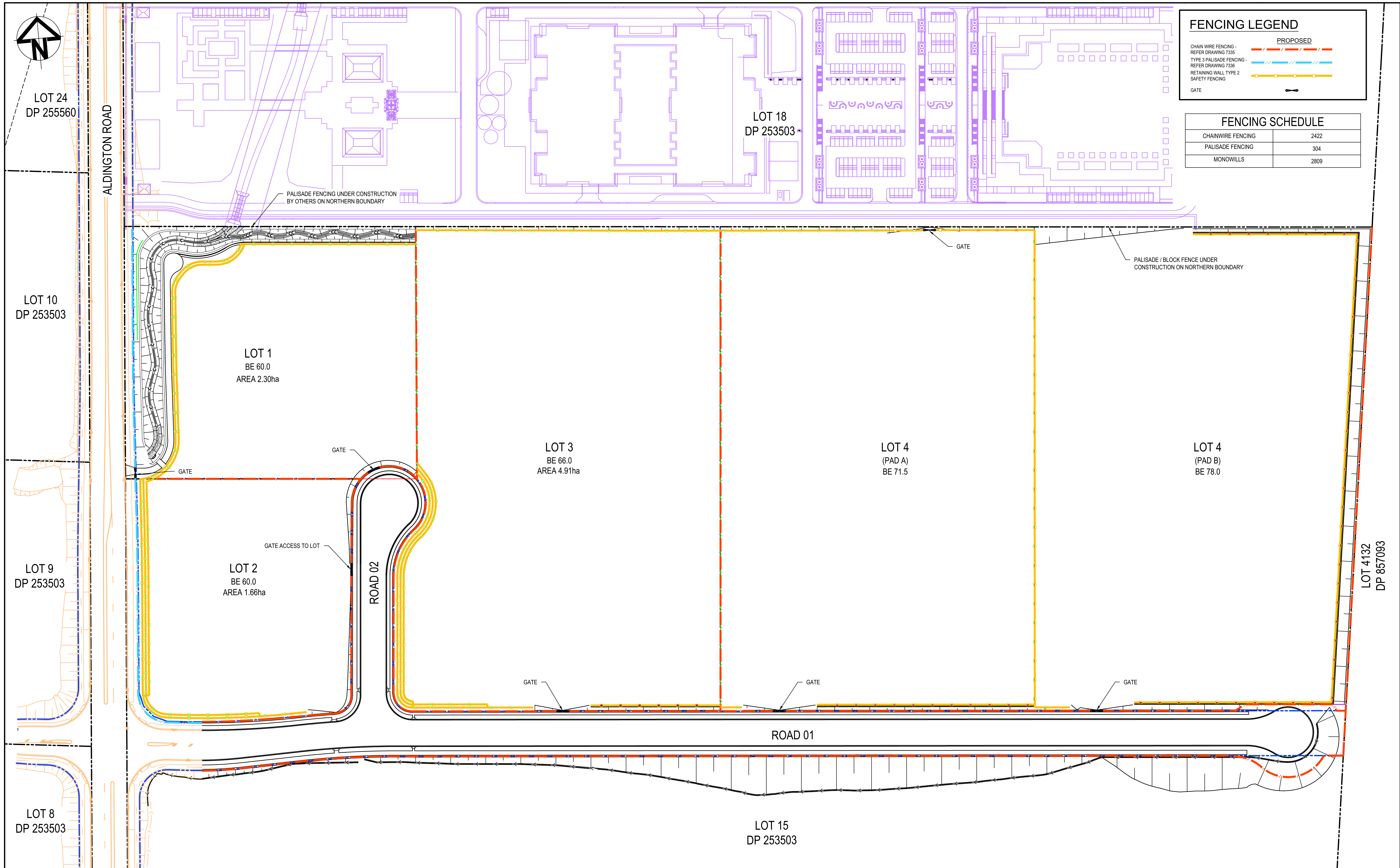
Title

SERVICES AND UTILITIES COORDINATION PLAN SHEET 4

Civil Engineers and Project Managers

Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1114	Issue D



FENCING LEGEND	
CHAIN WIRE FENCING - REFER DRAWING 7335	PROPOSED
TYPE 3 PALISADE FENCING - REFER DRAWING 7336	
RETAINING WALL TYPE 2	
SAFETY FENCING	
GATE	

FENCING SCHEDULE	
CHAINWIRE FENCING	2422
PALISADE FENCING	304
MONOWILLS	2809

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	12-09-24

Bar Scales
0 20 40 60 80 100m
1 : 1000 @ A1 1 : 2000 @ A3

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Client

 Stockland



Scales	1:1000	Drawn	JH
Grid	2020 GDA	Designed	ADS
Height Datum	AHD	Checked	AM
		Approved	

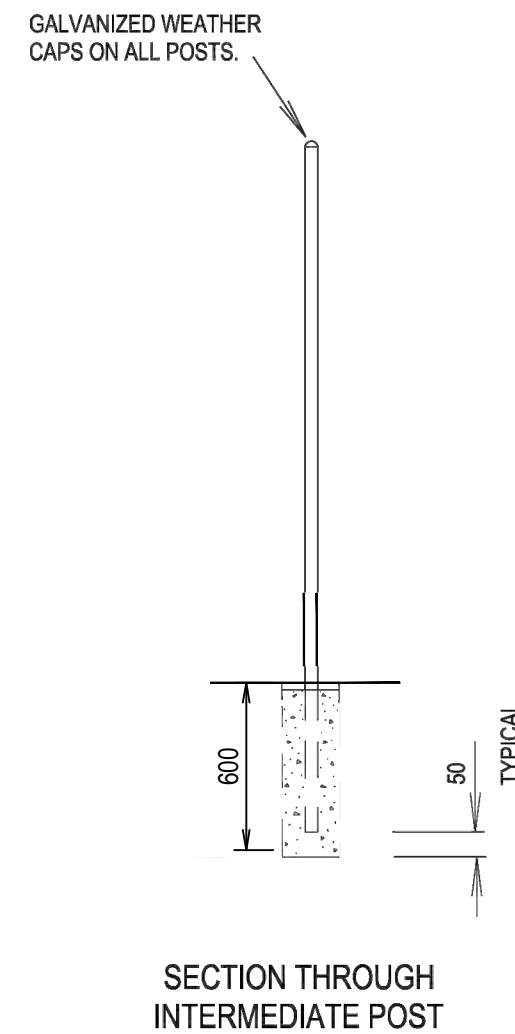
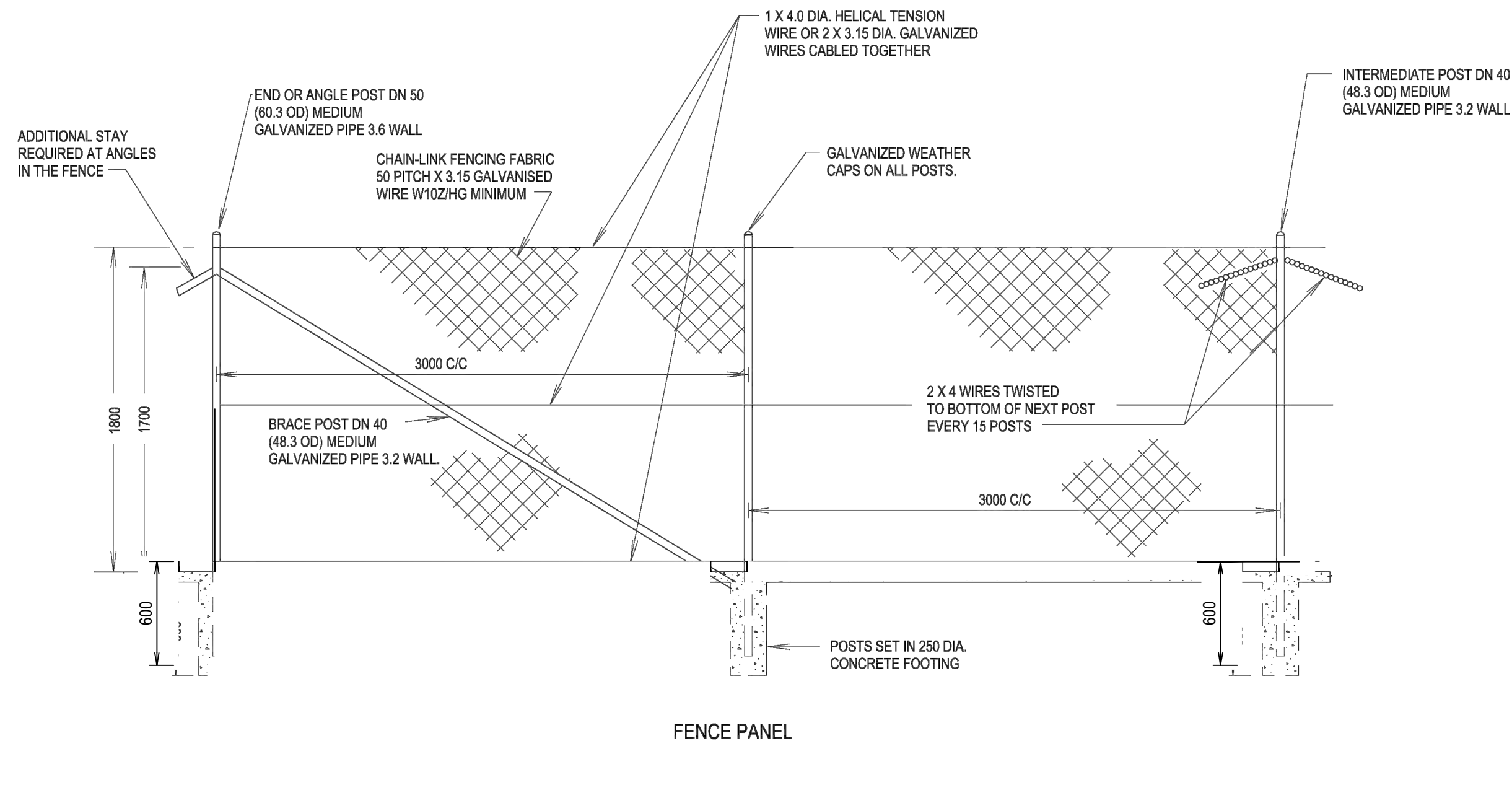
Project	270 ALDINGTON ROAD
Title	PROPOSED FENCING PLAN

Civil Engineers and Project Managers



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North Sydney
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www.atl.net.au
ABN 96 130 882 405

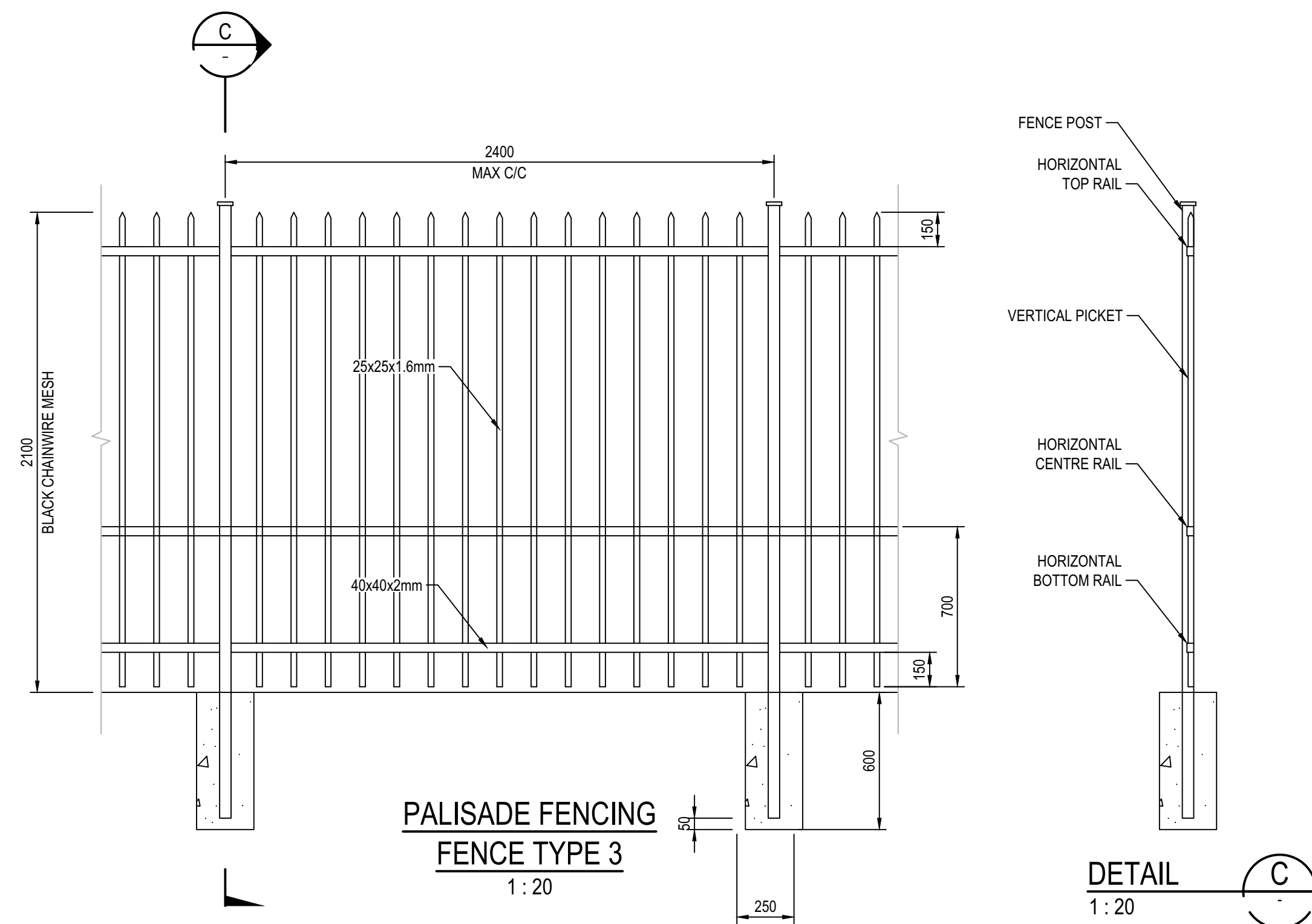
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1121	Issue D



900 X 600 SIGN FOR ALL GATES
NTS

- NOTES
1. ALL CONCRETE TO BE 20 MPa.
 2. JOINTS TO BE WELDED AND PAINTED WITH ZINC RICH PRIMER.
 3. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH THE SPECIFICATION - R 201.
 4. BOUNDARY SIGNS TO BE SUPPLIED AND FIXED AS SHOWN ON DS2014/005892
 5. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

1800 HIGH CHAIN WIRE GALVANISED FENCE
FENCE TYPE 1
NTS



DETAIL
1:20

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	12-09-24

Bar Scales
0 5 10 15 20 25m 1:250 @ A1 1:500 @ A3

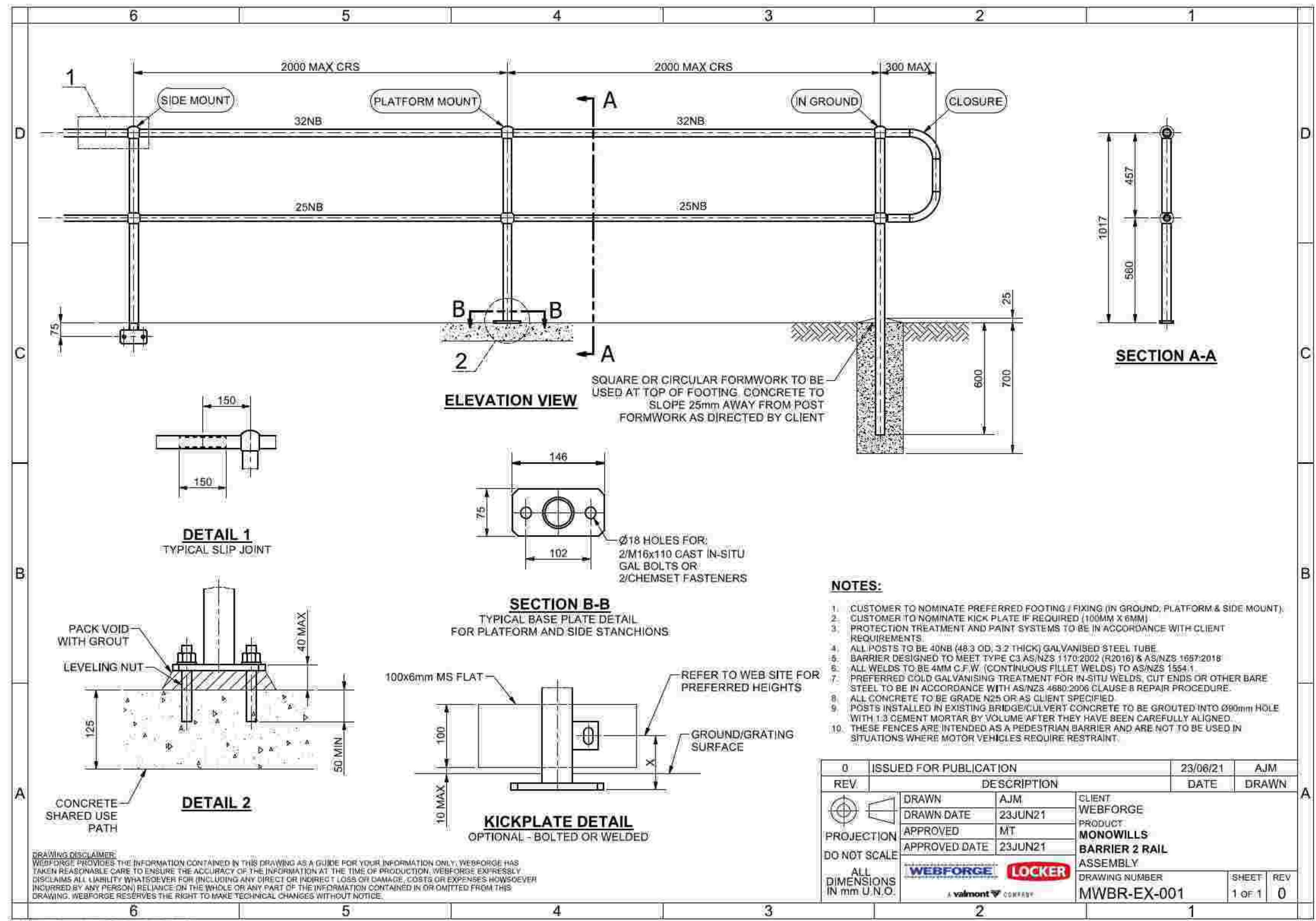
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Scales	Drawn	JH
N.T.S	Designed	ADS
Grid 2020 GDA	Checked	AM
Height Datum AHD	Approved	

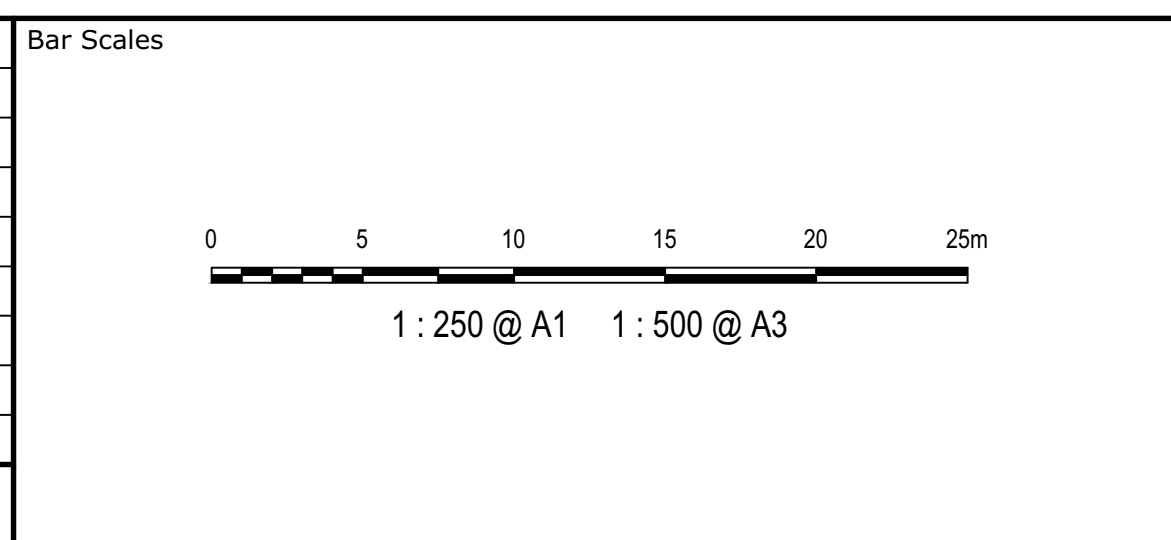
Project	Title
270 ALDINGTON ROAD	PROPOSED FENCING DETAILS SHEET 1

Civil Engineers and Project Managers	Status	Issue
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No. 22-1041-C1125		D



MONOWILLS FENCE
FENCE TYPE 2
NTS

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	12-09-24



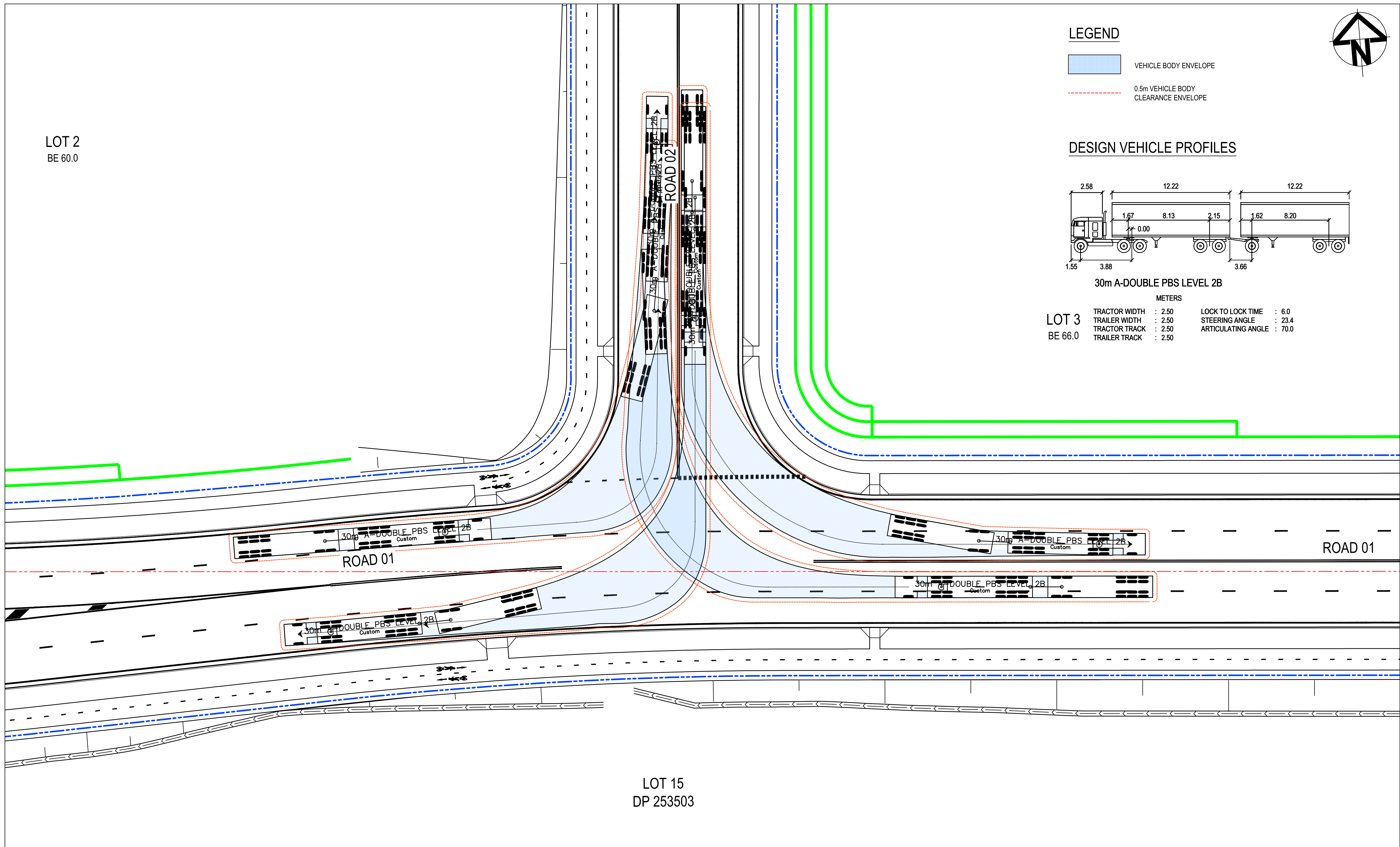
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Scales	Drawn	JH
N.T.S	Designed	ADS
Grid 2020 GDA	Checked	AM
Height Datum AHD	Approved	

Project	270 ALDINGTON ROAD
Title	PROPOSED FENCING DETAILS SHEET 2

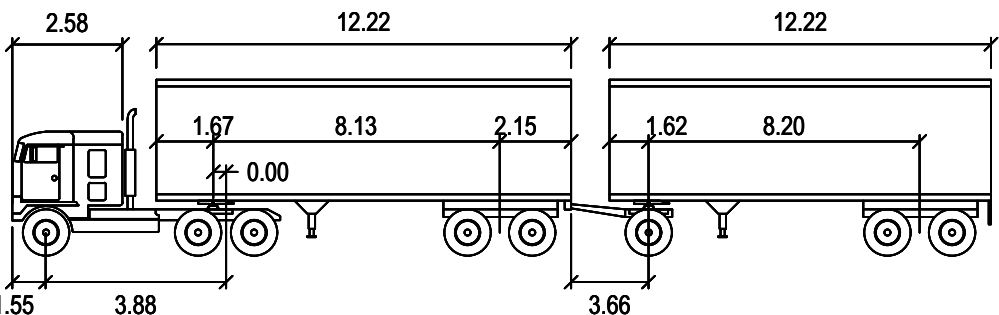
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1126	Issue D



LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE

DESIGN VEHICLE PROFILES

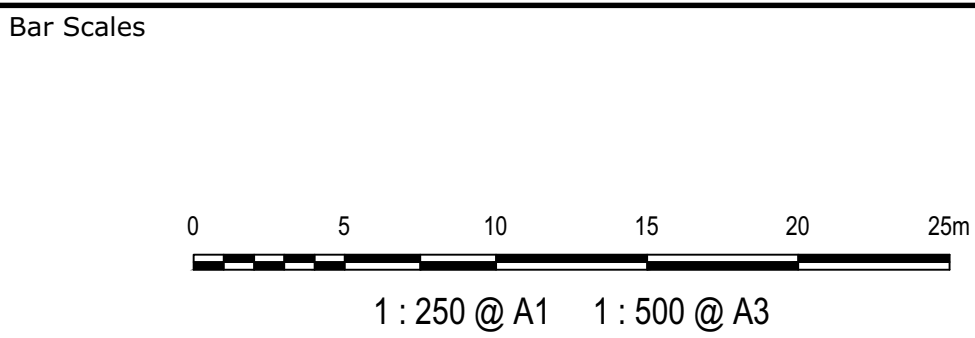


30m A-DOUBLE PBS LEVEL 2B

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		

30.0m A-DOUBLE PBS LEVEL 2B
SCALE 1:250

Issue	Description	Date
D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	04-10-23



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Client

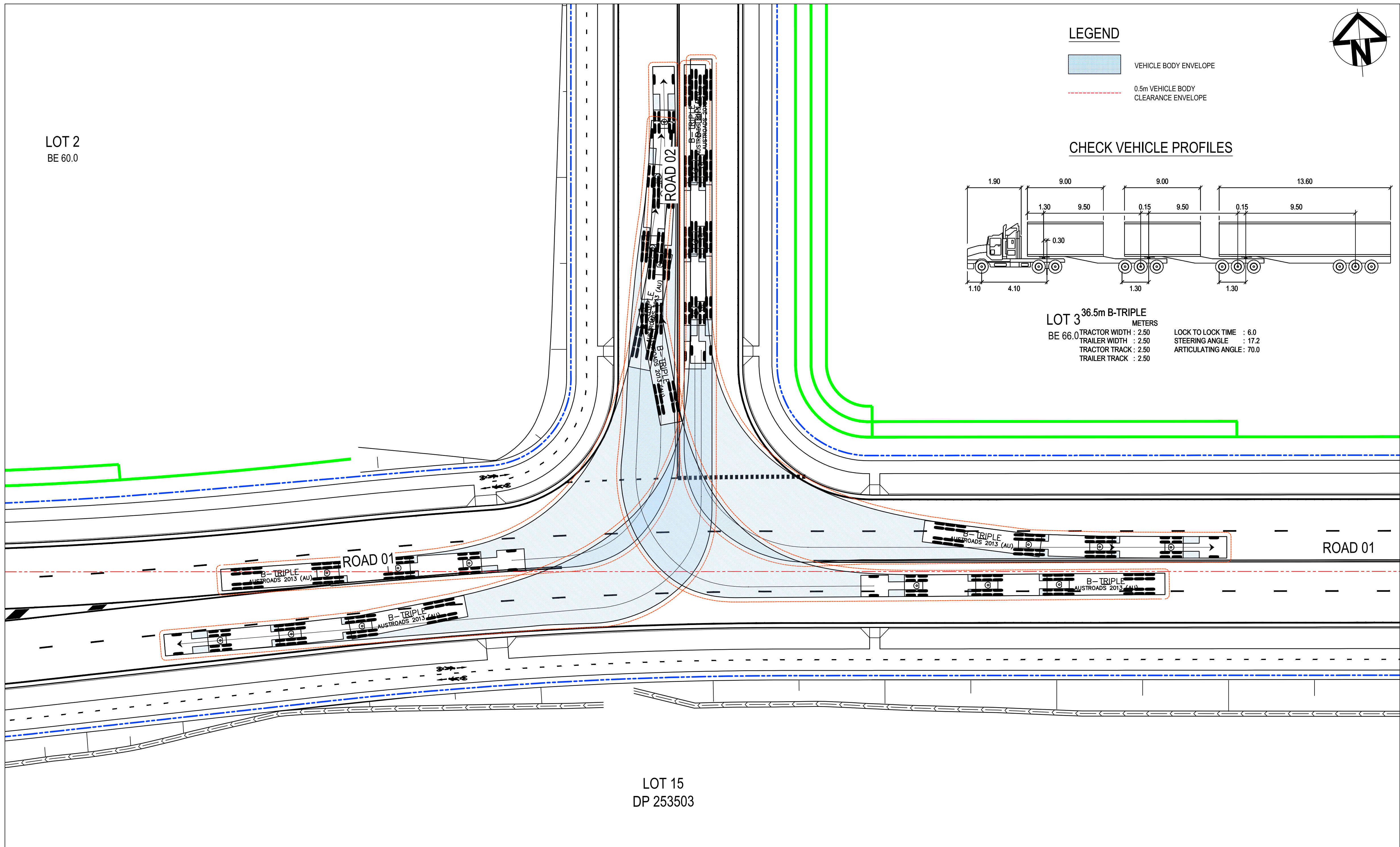
Scales	1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project	270 ALDINGTON ROAD
Title	DESIGN VEHICLE TURNPATH PLAN

Civil Engineers and Project Managers

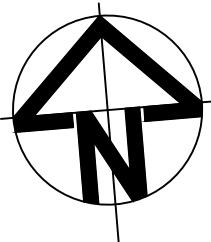
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NSW 2060
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E info@atl.net.au
www.atl.net.au
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Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1131	Issue D

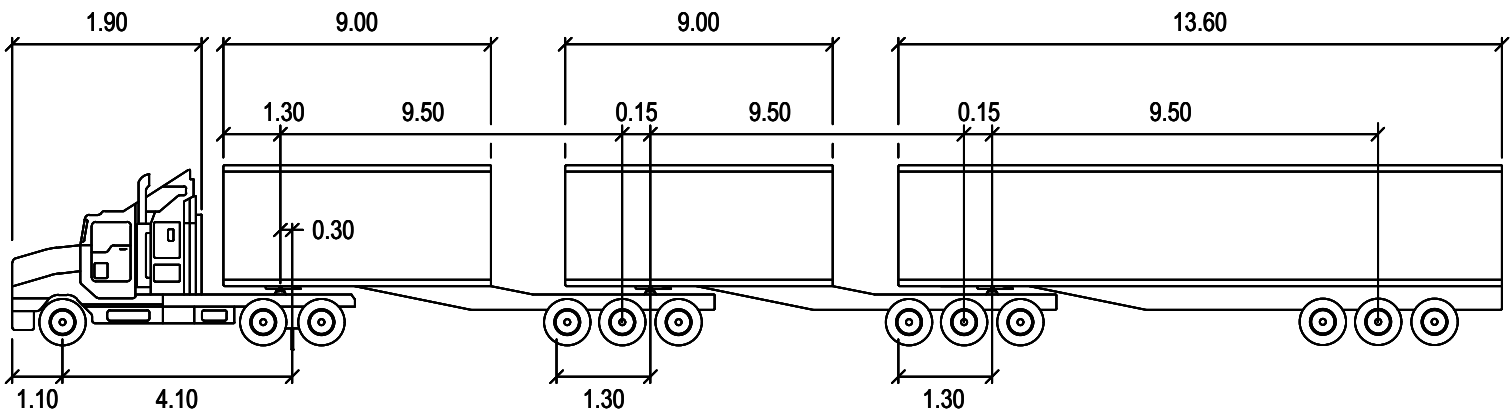


LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE

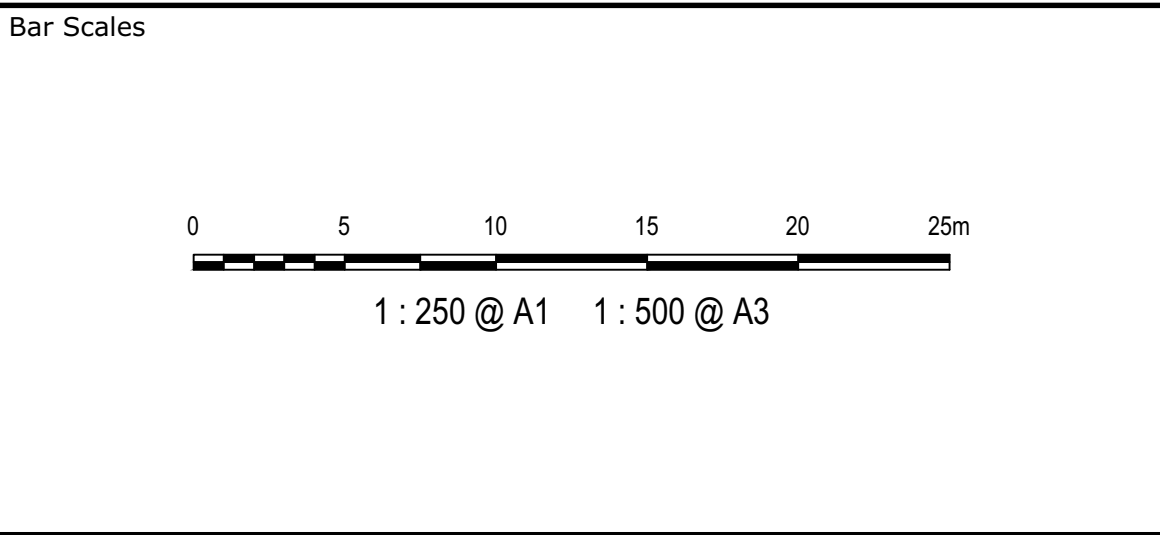


CHECK VEHICLE PROFILES



- 36.5m B-TRIPLE
- TRACTOR WIDTH : 2.50
- TRAILER WIDTH : 2.50
- TRACTOR TRACK : 2.50
- TRAILER TRACK : 2.50
- LOCK TO LOCK TIME : 6.0
- STEERING ANGLE : 17.2
- ARTICULATING ANGLE : 70.0

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	04-10-23
Issue	Description	Date



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Client

Scales	1:250	Drawn	JH
		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project

270 ALDINGTON ROAD

Title

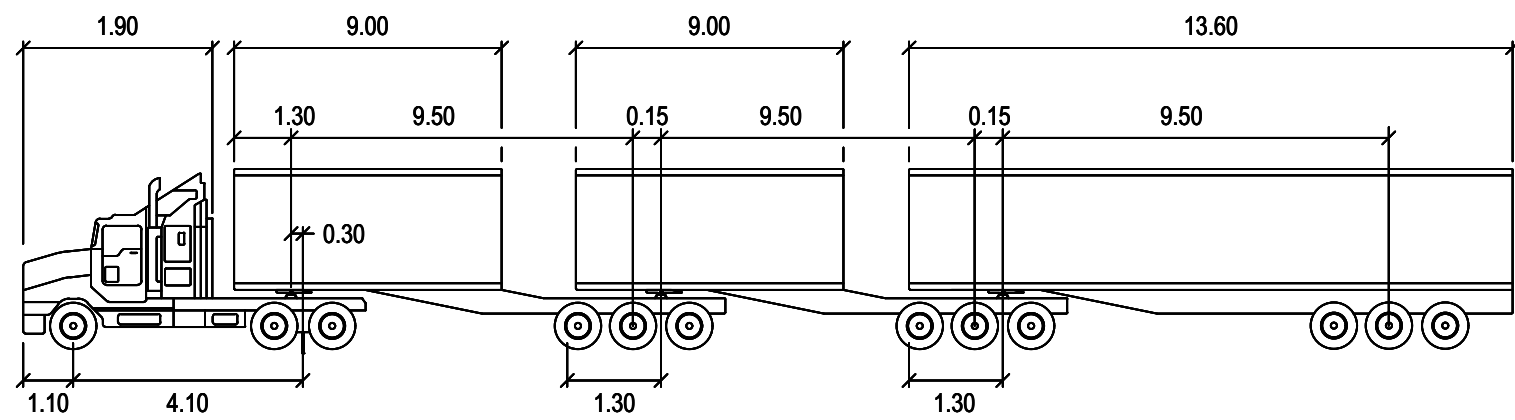
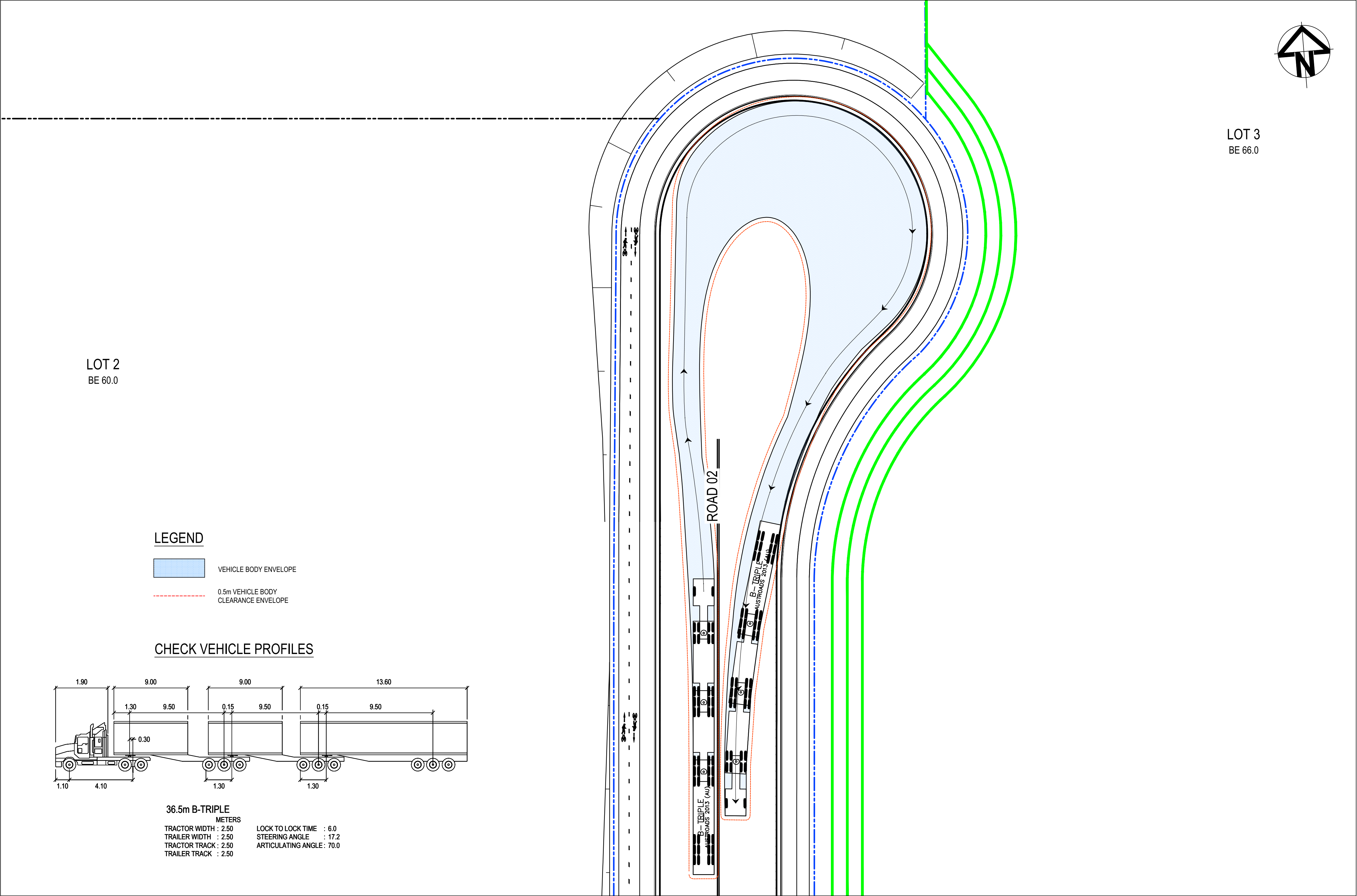
CHECK VEHICLE TURNPATH PLAN SHEET 1

Civil Engineers and Project Managers

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North Sydney
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ABN 96 130 882 405

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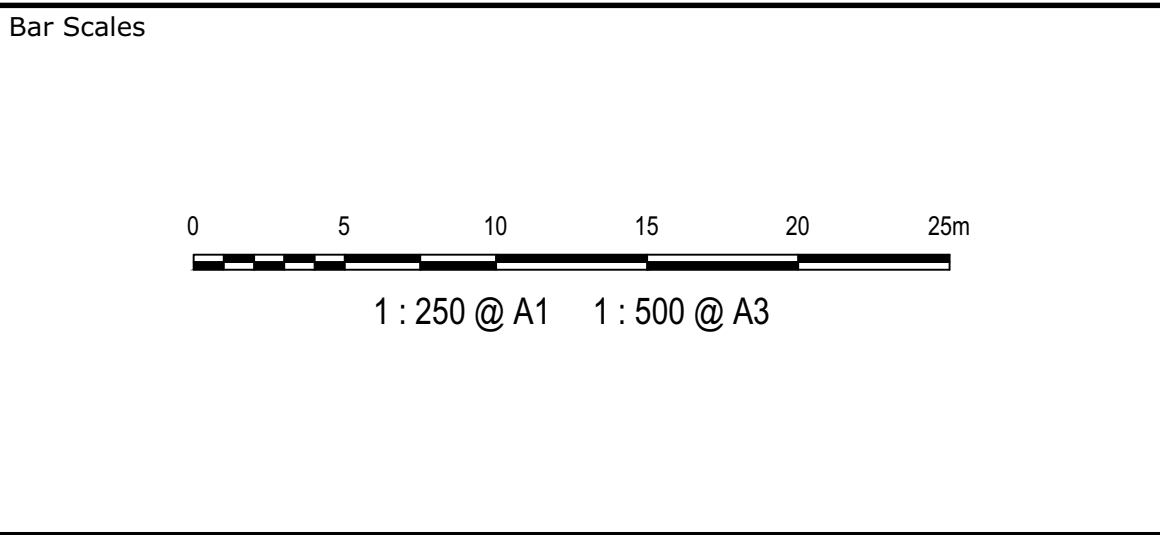
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1132	Issue D



36.5m B-TRIPLE
METERS
TRACTOR WIDTH : 2.50 LOCK TO LOCK TIME : 6.0
TRAILER WIDTH : 2.50 STEERING ANGLE : 17.2
TRACTOR TRACK : 2.50 ARTICULATING ANGLE : 70.0
TRAILER TRACK : 2.50

36.5m B-TRIPLE
SCALE 1:250

D	FOR APPROVAL	16-05-25
C	FOR APPROVAL	17-02-25
B	FOR TENDER	16-09-24
A	PRELIMINARY ISSUE	04-10-23
Issue	Description	Date



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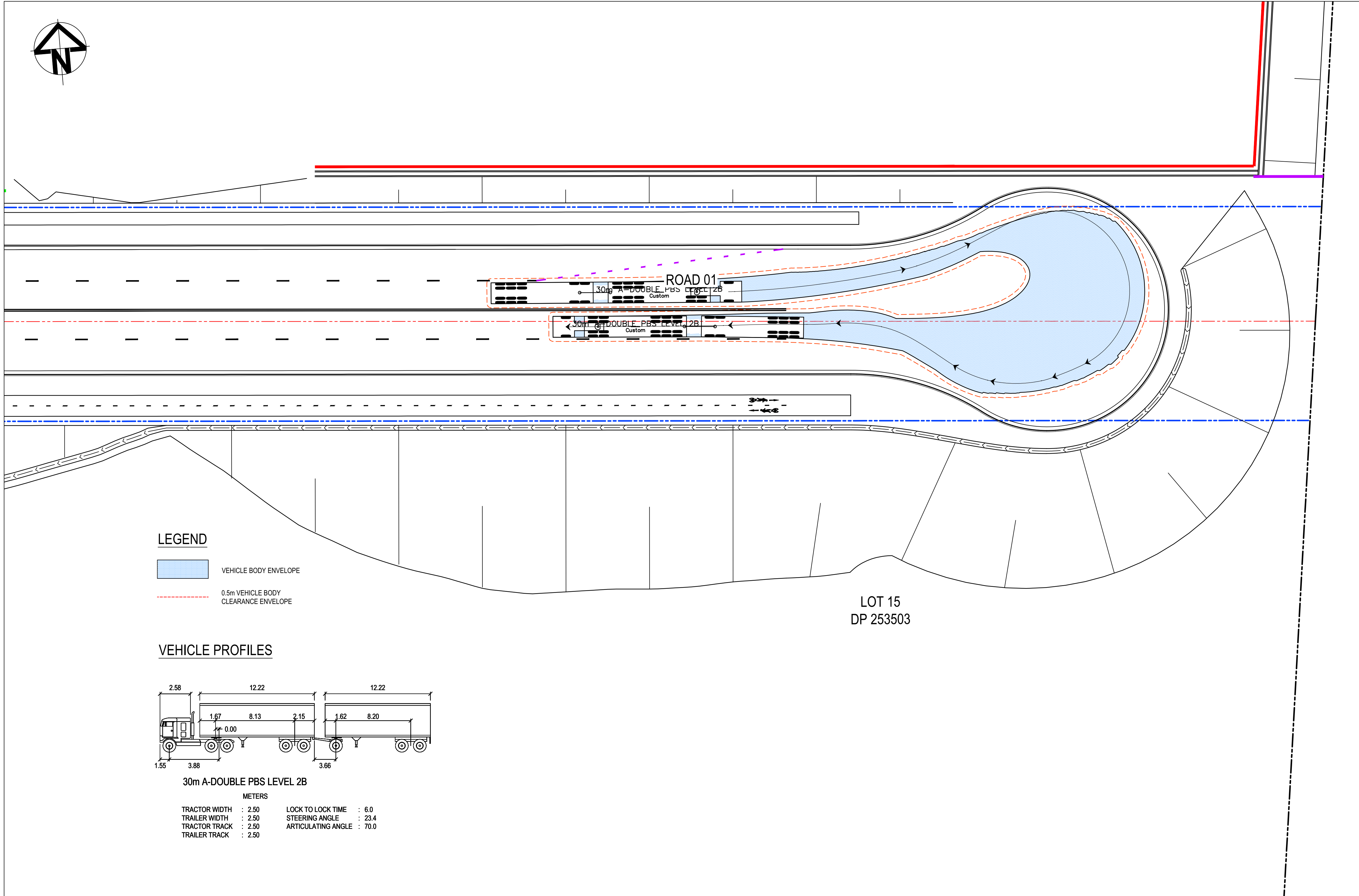
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		Designed	ADS
Grid	2020 GDA	Checked	AM
Height Datum	AHD	Approved	

Project	270 ALDINGTON ROAD
Title	CHECK VEHICLE TURNPATH PLAN SHEET 2

Civil Engineers and Project Managers

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www.atl.net.au
ABN 96 130 882 405

Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	22-1041-C1133	Issue D



30m A-DOUBLE
SCALE 1:250

			Bar Scales		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	Client  Stockland 	Scales		Drawn	JH	Project	Civil Engineers and Project Managers					
							1:250	Designed	ADS	Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405 at&l							
							Grid 2020 GDA	Checked	AM								
							Height Datum AHD	Approved		Title		270 ALDINGTON ROAD					
											DESIGN VEHICLE TURNPATH PLAN SHEET 3		Status		A1		
C FOR APPROVAL			16-05-25								FOR APPROVAL NOT FOR CONSTRUCTION						
B FOR APPROVAL			07-05-25								Project - Drawing No.						
A FOR APPROVAL			17-02-25								22-1041-C1134		Issue				
Issue			Description		Date												

100mm on Original

F:\22-1041 270 Aldington Road\6.0 Drgs\Civil\Final\1000 DA\22-1041-C1134.dwg