

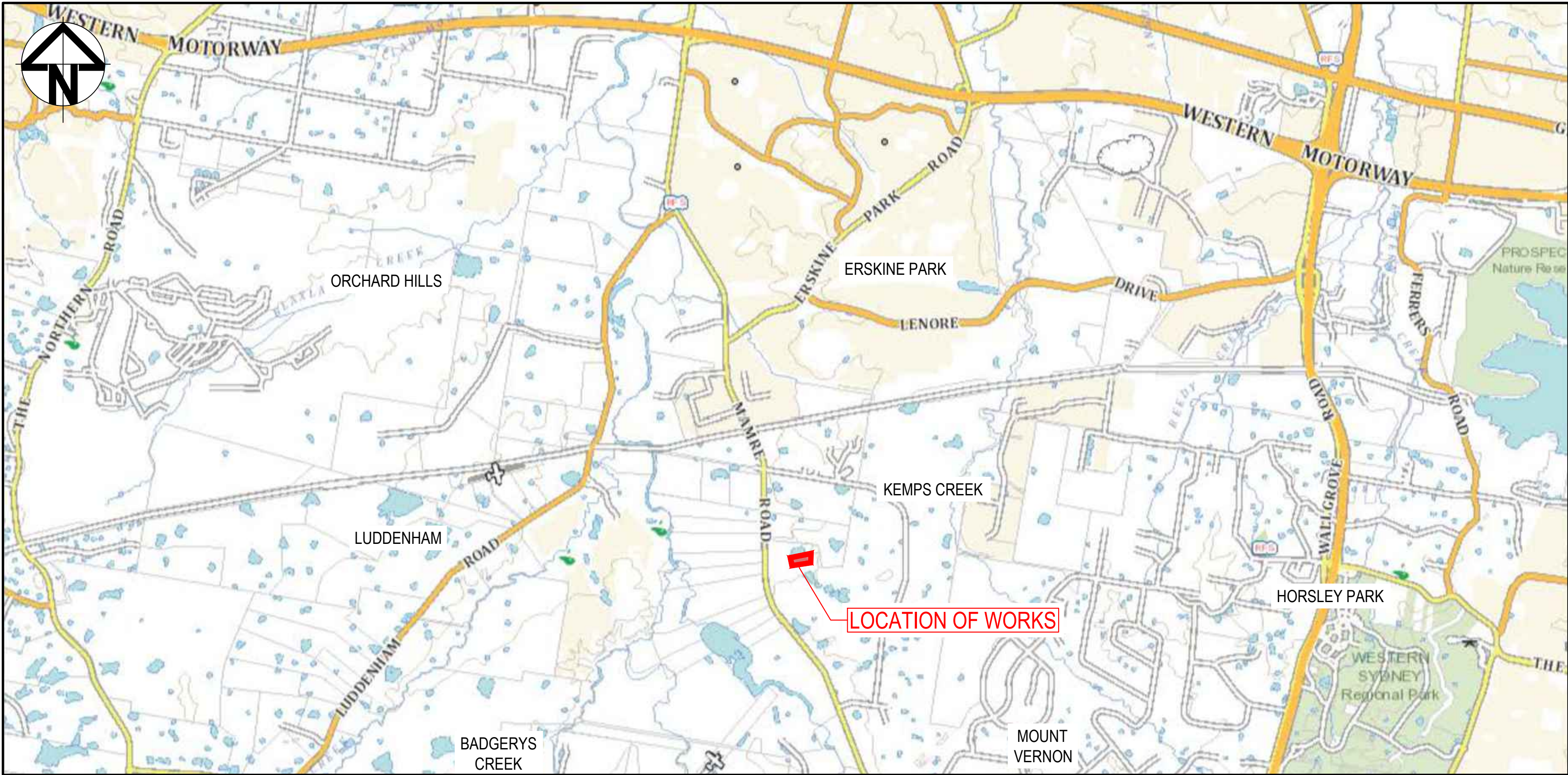
ASPECT INDUSTRIAL ESTATE

LOT 4 CIVIL WORKS PACKAGE

DEVELOPMENT APPLICATION

DRAWING LIST

DRAWING No.	DRAWING TITLE
CV-AIE.B04.DA.2400-AT&L	COVER SHEET LOCALITY PLAN AND DRAWING LIST
CV-AIE.B04.DA.2402-AT&L	GENERAL NOTES AND LEGENDS
CV-AIE.B04.DA.2403-AT&L	GENERAL ARRANGEMENT PLAN
CV-AIE.B04.DA.2411-AT&L	TYPICAL SITE SECTIONS SHEET 1
CV-AIE.B04.DA.2412-AT&L	TYPICAL SITE SECTIONS SHEET 2
CV-AIE.B04.DA.2441-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 1
CV-AIE.B04.DA.2442-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 2
CV-AIE.B04.DA.2443-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 3
CV-AIE.B04.DA.2444-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 4
CV-AIE.B04.DA.2445-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 5
CV-AIE.B04.DA.2446-AT&L	SITEWORKS AND STORMWATER DRAINAGE SHEET 6
CV-AIE.B04.DA.2450-AT&L	PAVEMENT PLAN SHEET 1
CV-AIE.B04.DA.2451-AT&L	PAVEMENT PLAN SHEET 2
CV-AIE.B04.DA.2460-AT&L	BULK EARTHWORKS CUT AND FILL PLAN
CV-AIE.B04.DA.2470-AT&L	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
CV-AIE.B04.DA.2471-AT&L	EROSION AND SEDIMENT CONTROL PLAN SHEET 2
CV-AIE.B04.DA.2472-AT&L	EROSION AND SEDIMENT CONTROL DETAILS



LOCALITY PLAN
NOT TO SCALE

		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 NTS	Drawn JB	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 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		
					Designed JB					
					Grid MGA	Checked NT				
					Height Datum AHD	Approved DS				
										
						Title COVER SHEET LOCALITY PLAN AND DRAWING LIST		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. CV-AIE.B04.DA.2400-AT&L		A1
B	ISSUE FOR SSDA	23.01.26								
A	ISSUED FOR CLIENT REVIEW	30.10.25								
Issue	Description	Date								

100mm on Original

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.

ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
8.

ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S 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.
9.

ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
10.

AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S FORM 3051 AND 3051.1 WILL BE CONSIDERED, SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11.

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.
12.

WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
13.

ALL WORKS CARRIED OUT ADJACENT TO AND WITHIN TRANSGRID'S EASEMENT TO COMPLY WITH TRANSGRID'S GUIDELINES AND REQUIREMENTS.
14.

ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

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 F _c 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.

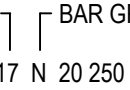
NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4.

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.

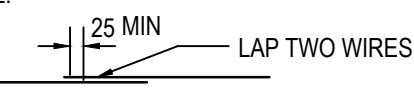
THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S SPECIFICATION R83.
7.

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:
 LAP TWO WIRES

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 REQUIREMENT INTERVAL:
1:100 YEARS MAJOR STORM (OVERLAND FLOW)
1:20 YEARS MINOR STORM (PIPED NETWORK)
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: 5 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 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.

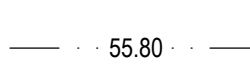
ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS, UNLESS APPROVED BY THE SUPERINTENDENT / PENRITH CITY COUNCIL. IF APPROVED AND IN ADDITION TO THE SPECIFICATION.
A. ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT AUSTRALIAN STANDARDS (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.
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.

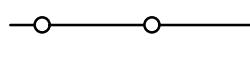
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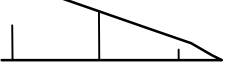
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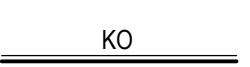
EXISTING BOUNDARY
- 

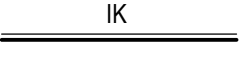
PROPOSED BOUNDARY
- 

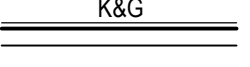
PROPOSED RETAINING WALL
- 

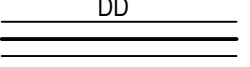
PROPOSED CONTOUR
- 

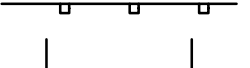
PROPOSED PEDESTRIAN HANDRAIL/ BALUSTRADE
- 

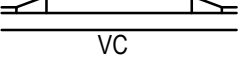
PROPOSED BATTER
- 

PROPOSED KERB EDGING
- 

PROPOSED KERB EDGING INTEGRAL
- 

PROPOSED KERB AND GUTTER
- 

PROPOSED DISHDRAIN
- 

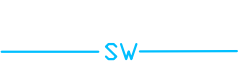
PROPOSED SAFETY BARRIER
- 

VEHICULAR CROSSING DRIVEWAY CROSSOVER IN ACCORDANCE WITH PCC SPECIFICATION
- 

PROPOSED SUBSOIL
- 

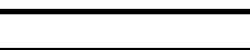
PROPOSED CATCH DRAIN
- 

PROPOSED STORMWATER JUNCTION PIT
- 

PROPOSED STORMWATER JUNCTION PIT
- 

PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- 

PROPOSED STORMWATER LINE
- 

PROPOSED UPVC ROOF WATER DRAINAGE LINE REFER HYDRAULIC ENGINEER
- 

PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
- 

STORMWATER OVERLAND FLOWPATH

FINISHED SURFACE LEVELS

1.

PROPOSED FINISHED FLOOR LEVELS ARE ±1000mm FROM RL 57.30 IN ACCORDANCE WITH THE APPROVED CONCEPT MASTERPLAN (REFER SSD-10448)
2.

ALL OTHER FINISHED SURFACE LEVELS ARE ±1000mm U.N.O.

NOTES:

1.

ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
2.

RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3.

VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY CARNO HARD & FORESTER PTY LTD and LAND PARTNERS PTY LTD, 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. PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE A DETAILED BOUNDARY SURVEY AND COMPARE AGAINST THE DESIGN FOR DISCREPANCIES.

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

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

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.

SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. IF NOT ABLE TO BE SO LOCATED, SERVICES HAVE BEEN PLOTTED FROM THE RECORDS OF RELEVANT AUTHORITIES WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THE PLAN. WHERE SUCH RECORDS DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE HEREON.

PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.

DEWATERING

1.

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

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						Designed JB					
						Grid MGA	Checked NT	Title	GENERAL NOTES AND LEGENDS	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. CV-AIE.B04.DA.2402-AT&L	A1
						Height Datum AHD	Approved DS				
											
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CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

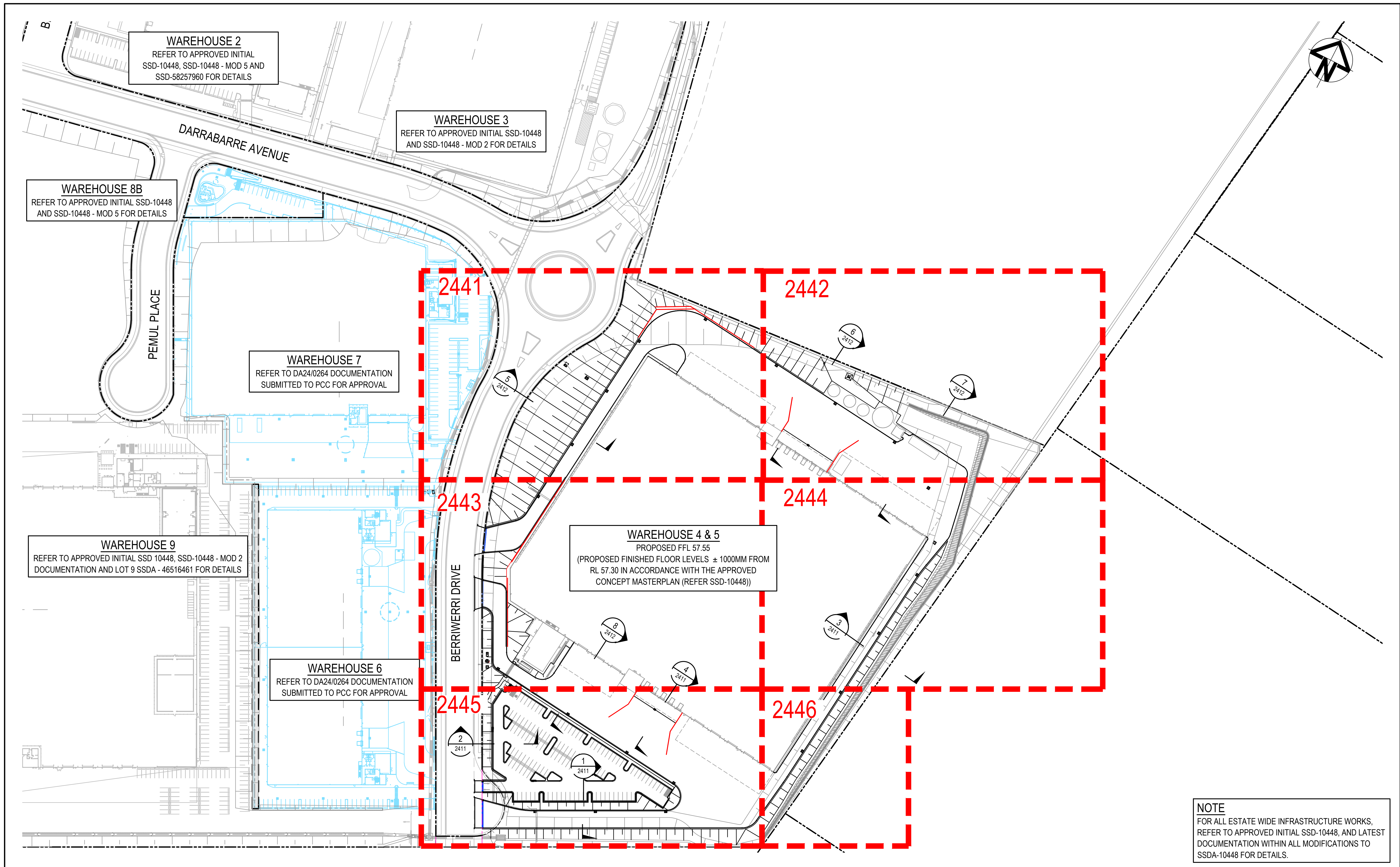
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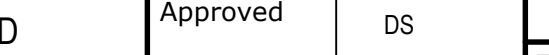
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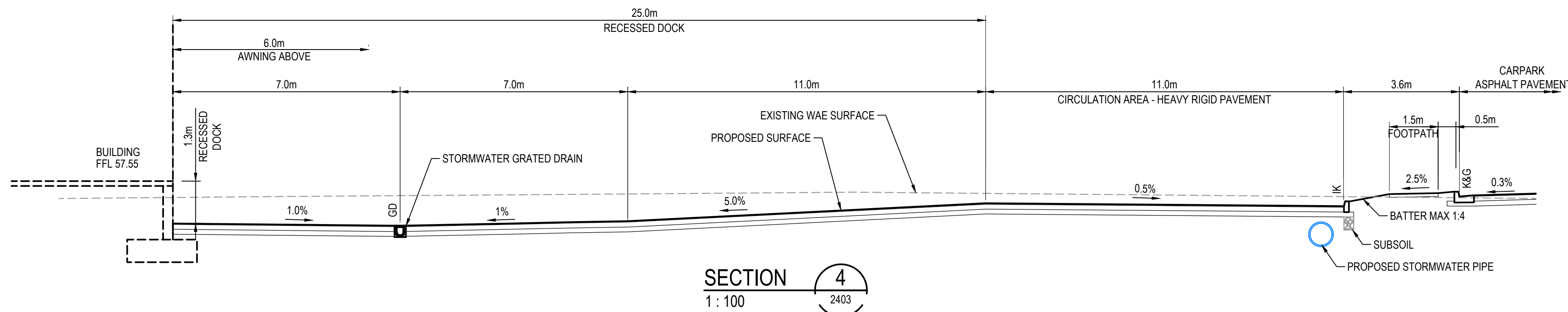
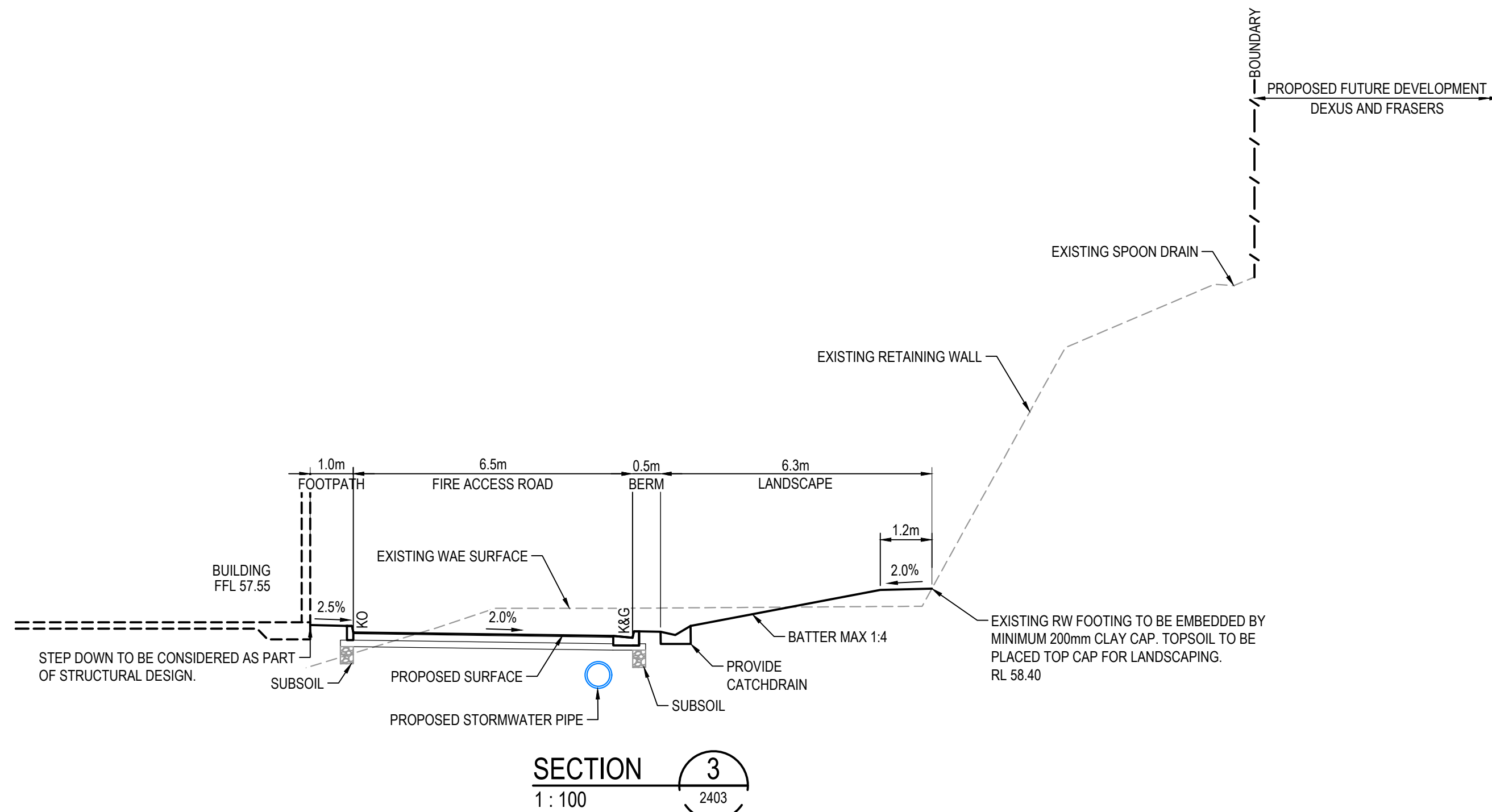
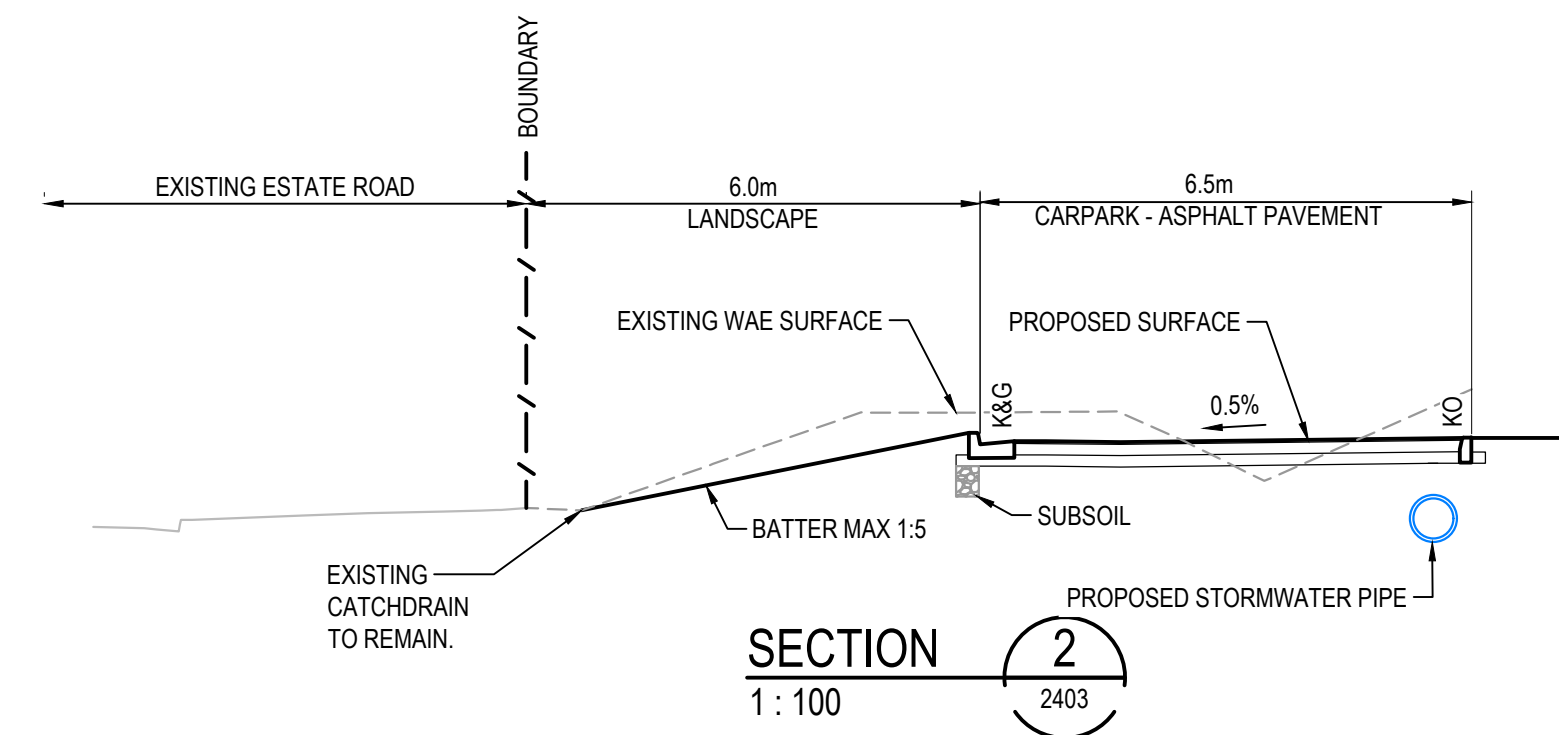
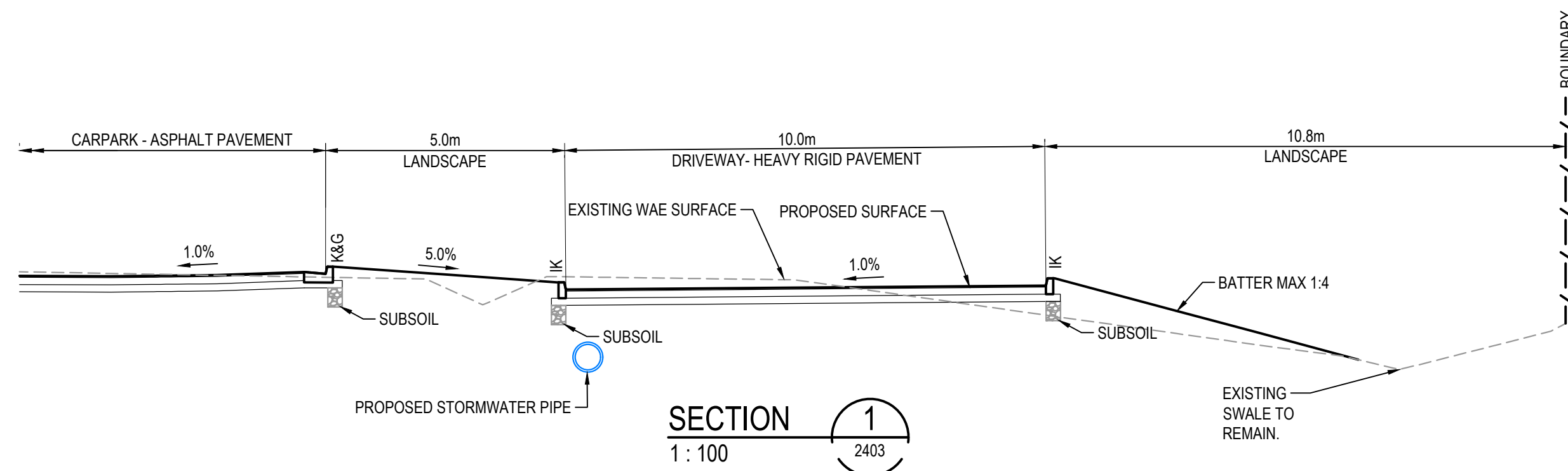
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A1

Project - Drawing No.
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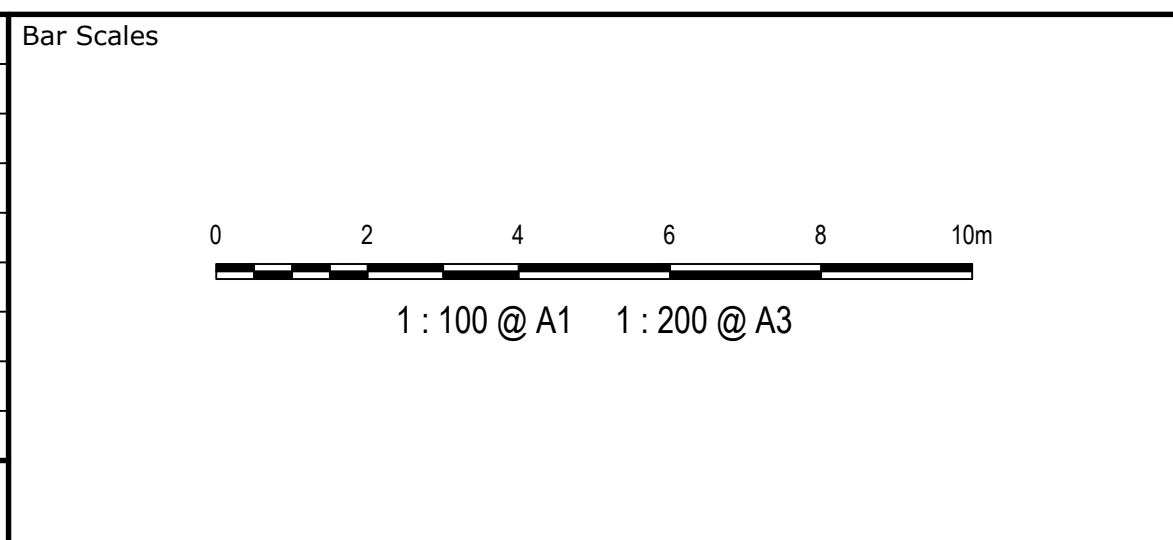


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			 1 : 1000 @ A1 1 : 2000 @ A3				1:1000		Designed	JB		 Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au				
							Grid MGA		Checked	NT						
							Height Datum AHD		Approved	DS						
B			ISSUE FOR SSDA				23.01.26					Title GENERAL ARRANGEMENT PLAN		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. CV-AIE.B04.DA.2403-AT&L		A1
A			ISSUED FOR CLIENT REVIEW				30.10.25									
Issue			Description		Date											



- NOTES**
- PROPOSED WAREHOUSE FINISHED FLOOR LEVELS ARE $\pm 1000\text{mm}$ FROM RL 57.30 IN ACCORDANCE WITH THE APPROVED CONCEPT MASTERPLAN (REFER SSD-10448)
 - ALL OTHER FINISHED SURFACE LEVELS ARE $\pm 1000\text{mm}$ U.N.O.

B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date



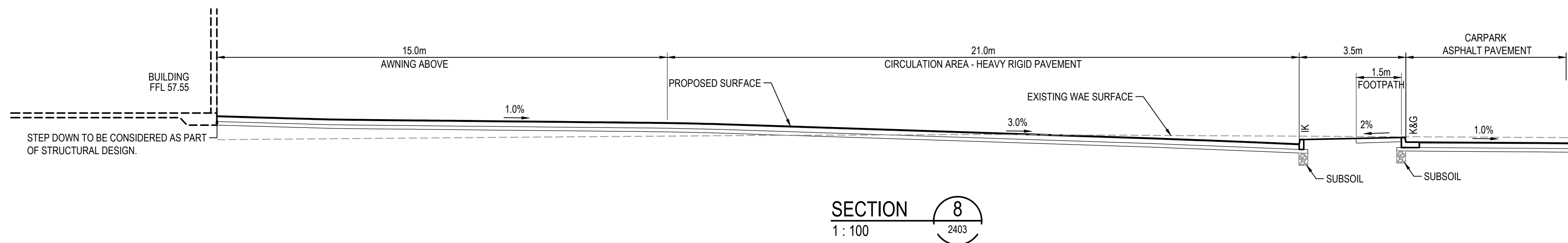
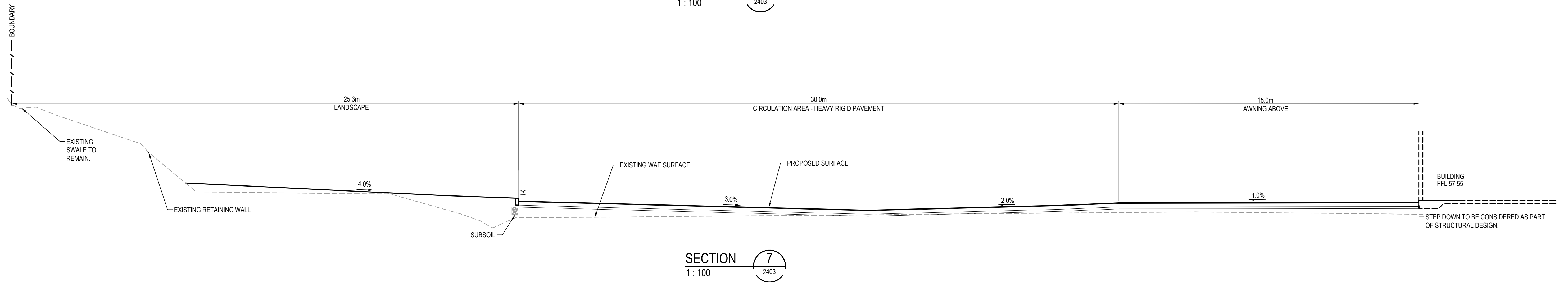
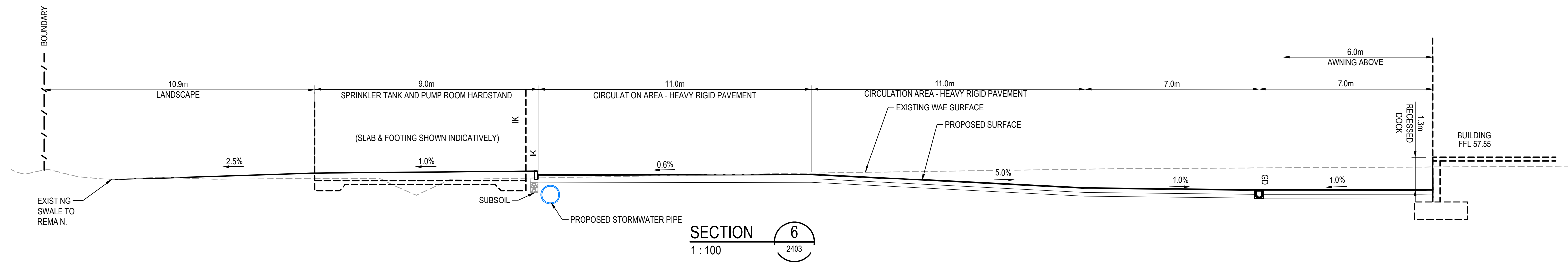
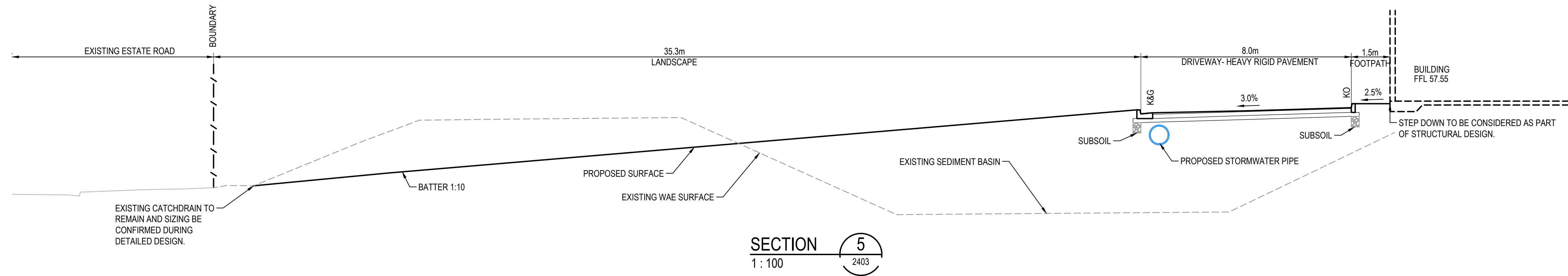
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



Scales	1:100	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS

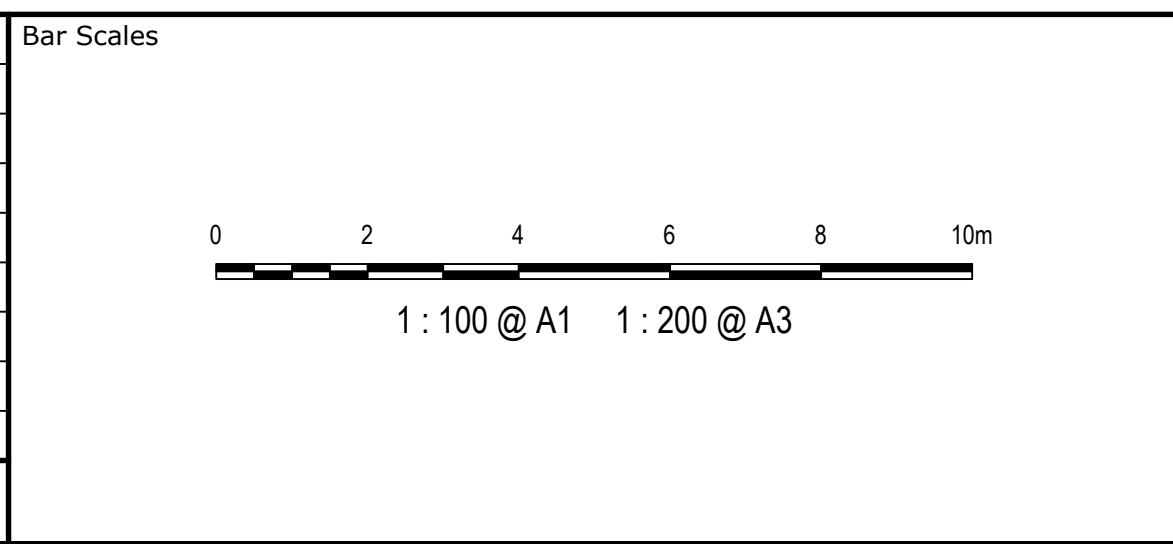
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4
Title	TYPICAL SITE SECTIONS SHEET 1

Civil Engineers and Project Managers		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. CV-AIE.B04.DA.2411-AT&L		



- NOTES**
1. PROPOSED WAREHOUSE FINISHED FLOOR LEVELS ARE $\pm 1000\text{mm}$ FROM RL 57.30 IN ACCORDANCE WITH THE APPROVED CONCEPT MASTERPLAN (REFER SSD-10448)
 2. ALL OTHER FINISHED SURFACE LEVELS ARE $\pm 1000\text{mm}$ U.N.O.

B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date



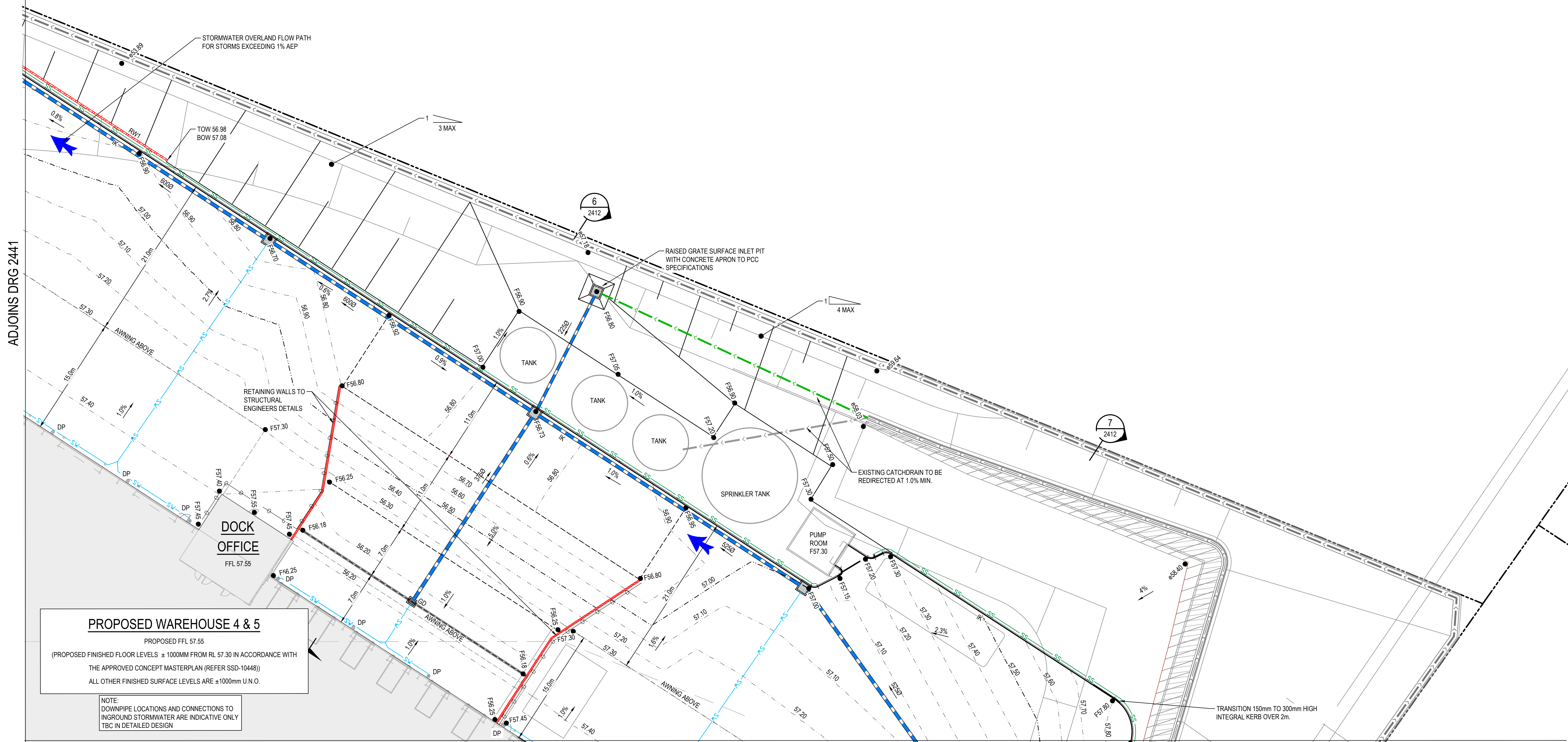
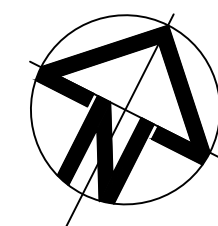
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



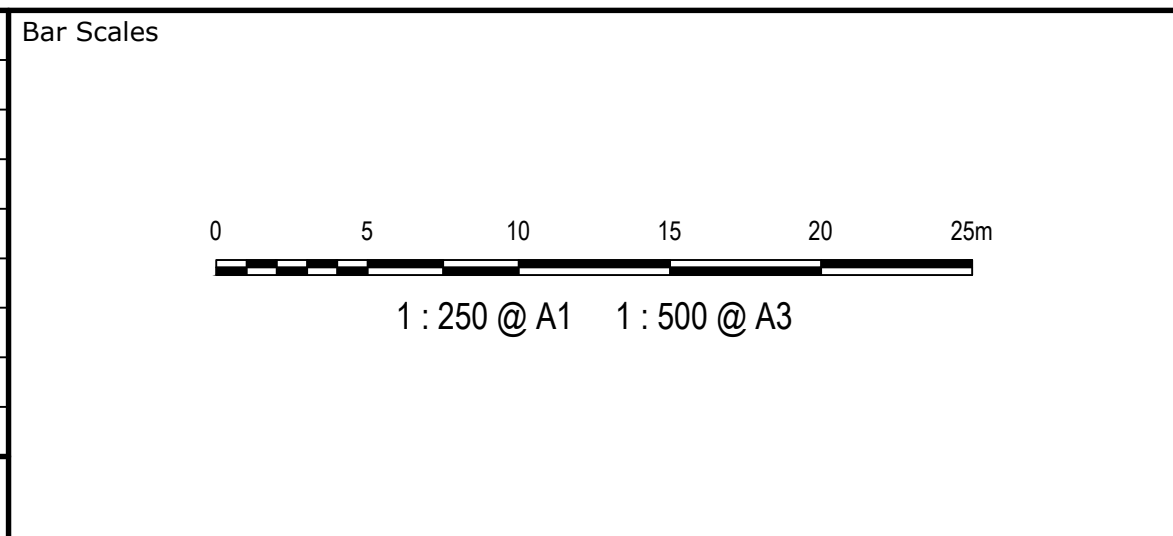
Scales	1:100	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4
Title	TYPICAL SITE SECTIONS 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. CV-AIE.B04.DA.2412-AT&L		



B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date



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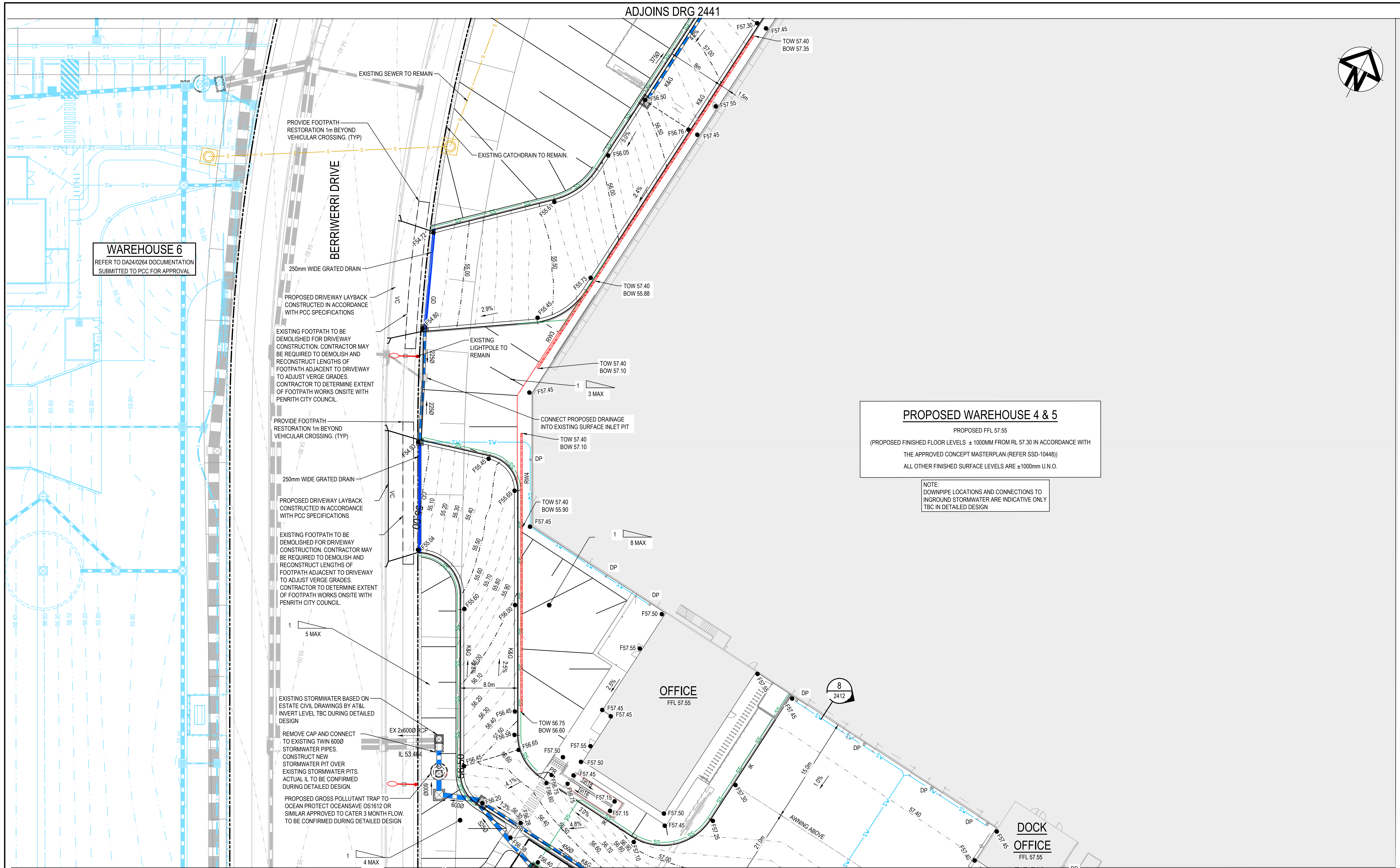
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Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS
			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4		
	SITeworks AND STORMWATER DRAINAGE SHEET 2		
	Title		

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. CV-AIE.B04.DA.2442-AT&L		



B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date

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

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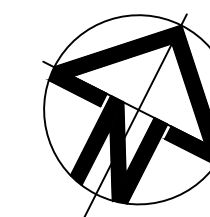


Scales	1:250	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4
Title	SITEWORKS AND STORMWATER DRAINAGE 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.	CV-AIE.B04.DA.2443-AT&L
	A1

ADJOINS DRG 2442



PROPOSED WAREHOUSE 4 & 5
PROPOSED FFL 57.55
(PROPOSED FINISHED FLOOR LEVELS ± 1000MM FROM RL 57.30 IN ACCORDANCE WITH THE APPROVED CONCEPT MASTERPLAN (REFER SSD-10448))
ALL OTHER FINISHED SURFACE LEVELS ARE ±1000mm U.N.O.

NOTE:
DOWNPIPE LOCATIONS AND CONNECTIONS TO INGROUND STORMWATER ARE INDICATIVE ONLY
TBC IN DETAILED DESIGN

ADJOINS DRG 2446

ADJOINS DRG 2443

C	ISSUE FOR SSDA	23.01.26
B	ISSUED FOR CLIENT REVIEW	19.11.25
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date

Bar Scales



1 : 250 @ A1 1 : 500 @ A3

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Client



Scales
1:250

Grid
MGA

Height Datum
AHD

Drawn
JB

Designed
JB

Checked
NT

Approved
DS

Project
**ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
LOT 4**

Title
**SITEWORKS
AND STORMWATER DRAINAGE
SHEET 4**

Civil Engineers and Project Managers

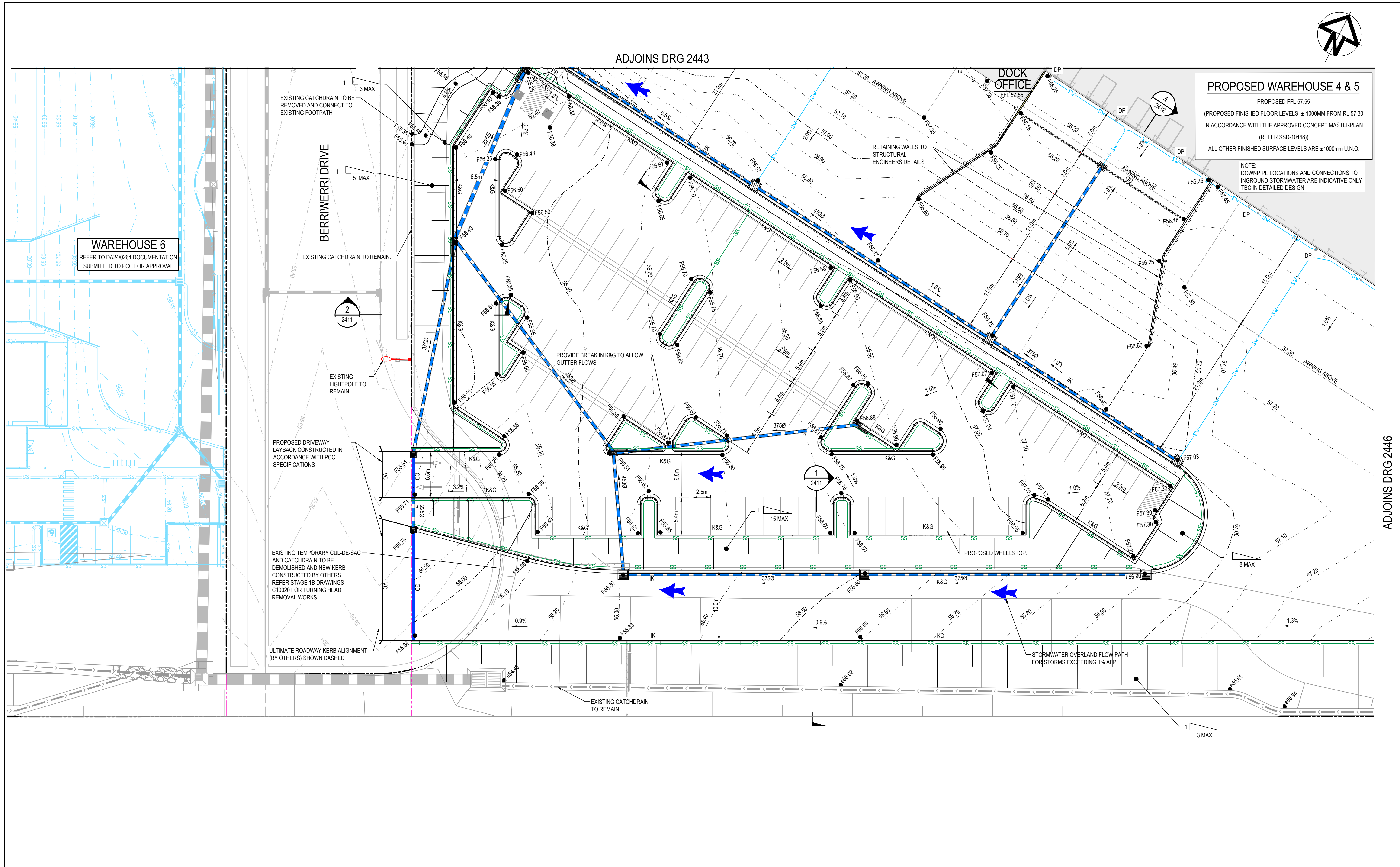


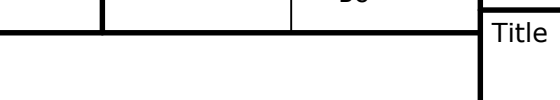
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

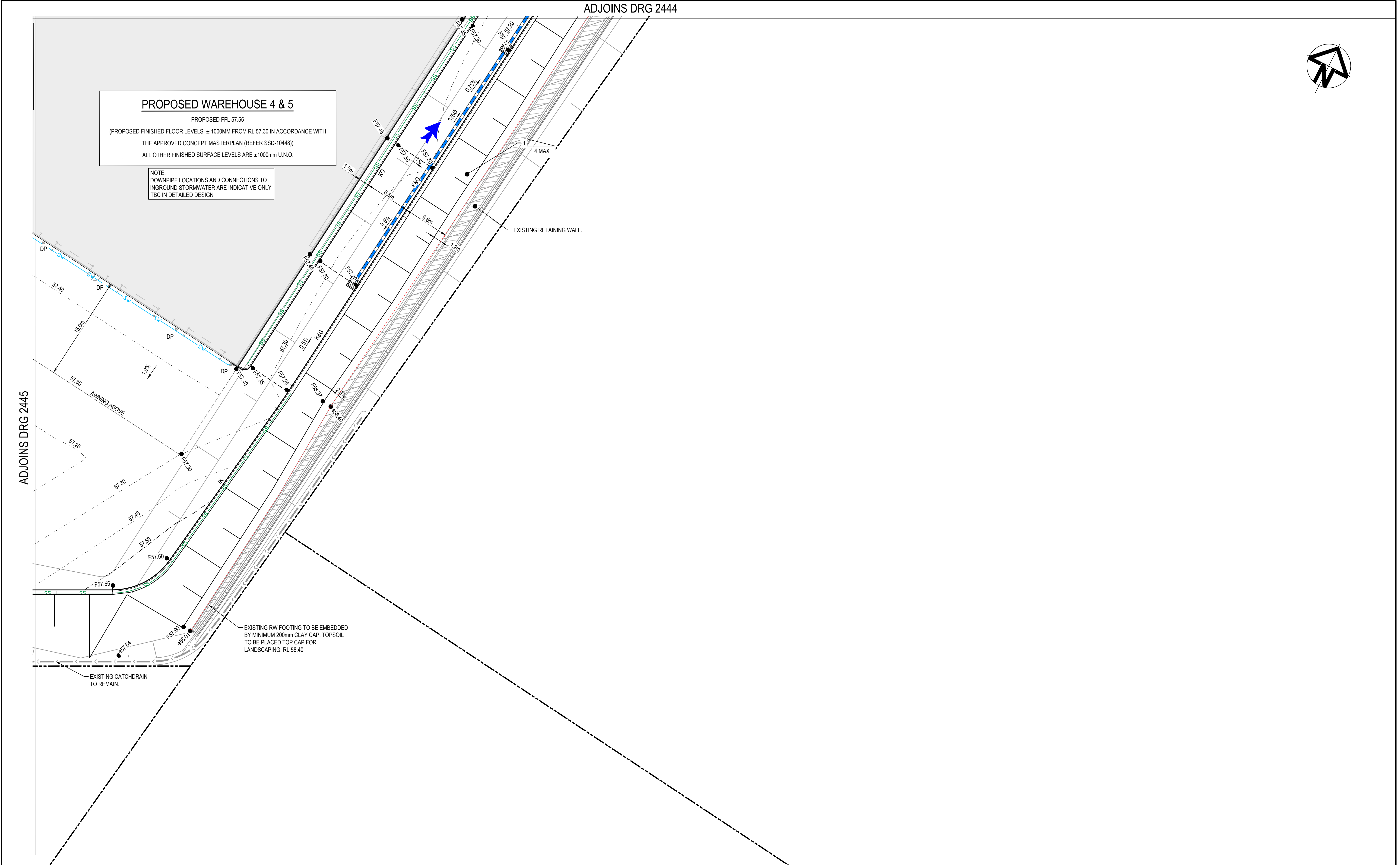
Status
**FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION**

A1

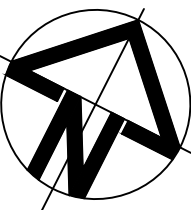
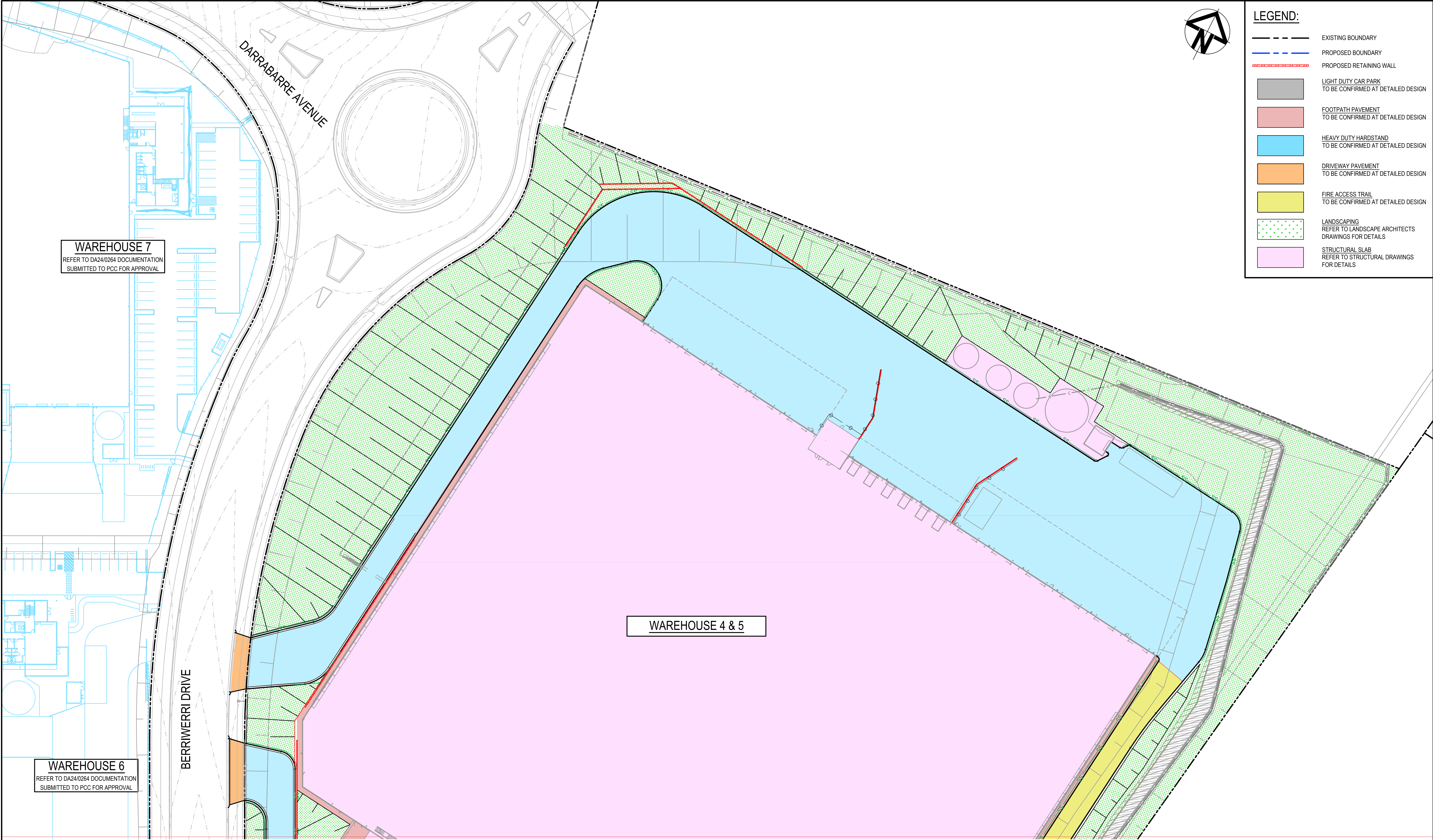
Project - Drawing No.
CV-AIE.B04.DA.2444-AT&L



			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		Project		Civil Engineers and Project Managers			
							1:250		Designed		JB		ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4		 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 MGA		Checked		NT		Title		Status	
							Height Datum		Approved		DS		SITWORKS AND STORMWATER DRAINAGE SHEET 5		FOR APPROVAL	
			 1 : 250 @ A1 1 : 500 @ A3										NOT TO BE USED FOR CONSTRUCTION		A1	
B			ISSUE FOR SSDA										Project - Drawing No.			
A			ISSUED FOR CLIENT REVIEW										CV-AIE.B04.DA.2445-AT&L			
Issue			Description													
			Date													



			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 1:250 Grid MGA Height Datum AHD 		Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4 Title SITEWORKS AND STORMWATER DRAINAGE 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. CV-AIE.B04.DA.2446-AT&L A1	
			0510152025m 1 : 250 @ A1 1 : 500 @ A3											
C	ISSUE FOR SSDA		23.01.26											
B	ISSUED FOR CLIENT REVIEW		19.11.25											
A	ISSUED FOR CLIENT REVIEW		30.10.25											
Issue	Description		Date											



- LEGEND:**
- EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - PROPOSED RETAINING WALL
 - LIGHT DUTY CAR PARK
TO BE CONFIRMED AT DETAILED DESIGN
 - FOOTPATH PAVEMENT
TO BE CONFIRMED AT DETAILED DESIGN
 - HEAVY DUTY HARDSTAND
TO BE CONFIRMED AT DETAILED DESIGN
 - DRIVEWAY PAVEMENT
TO BE CONFIRMED AT DETAILED DESIGN
 - FIRE ACCESS TRAIL
TO BE CONFIRMED AT DETAILED DESIGN
 - LANDSCAPING
REFER TO LANDSCAPE ARCHITECTS
DRAWINGS FOR DETAILS
 - STRUCTURAL SLAB
REFER TO STRUCTURAL DRAWINGS
FOR DETAILS

WAREHOUSE 7
REFER TO DA24/0264 DOCUMENTATION
SUBMITTED TO PCC FOR APPROVAL

WAREHOUSE 4 & 5

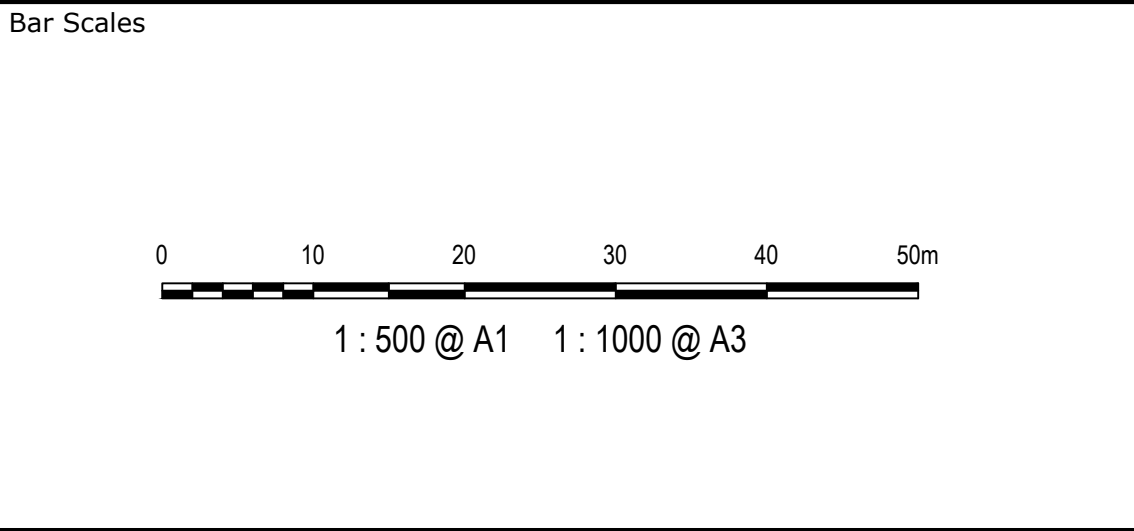
WAREHOUSE 6
REFER TO DA24/0264 DOCUMENTATION
SUBMITTED TO PCC FOR APPROVAL

BERRIVERRI DRIVE

DARRABARE AVENUE

ADJOINS DRG 2451

B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date



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Client

Scales
1:500

Grid
MGA

Height Datum
AHD

Drawn
Designed
Checked
Approved

JB
JB
NT
DS

Project
ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
LOT 4

Title
PAVEMENT
PLAN
SHEET 1

Civil Engineers and Project Managers

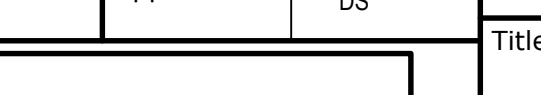
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

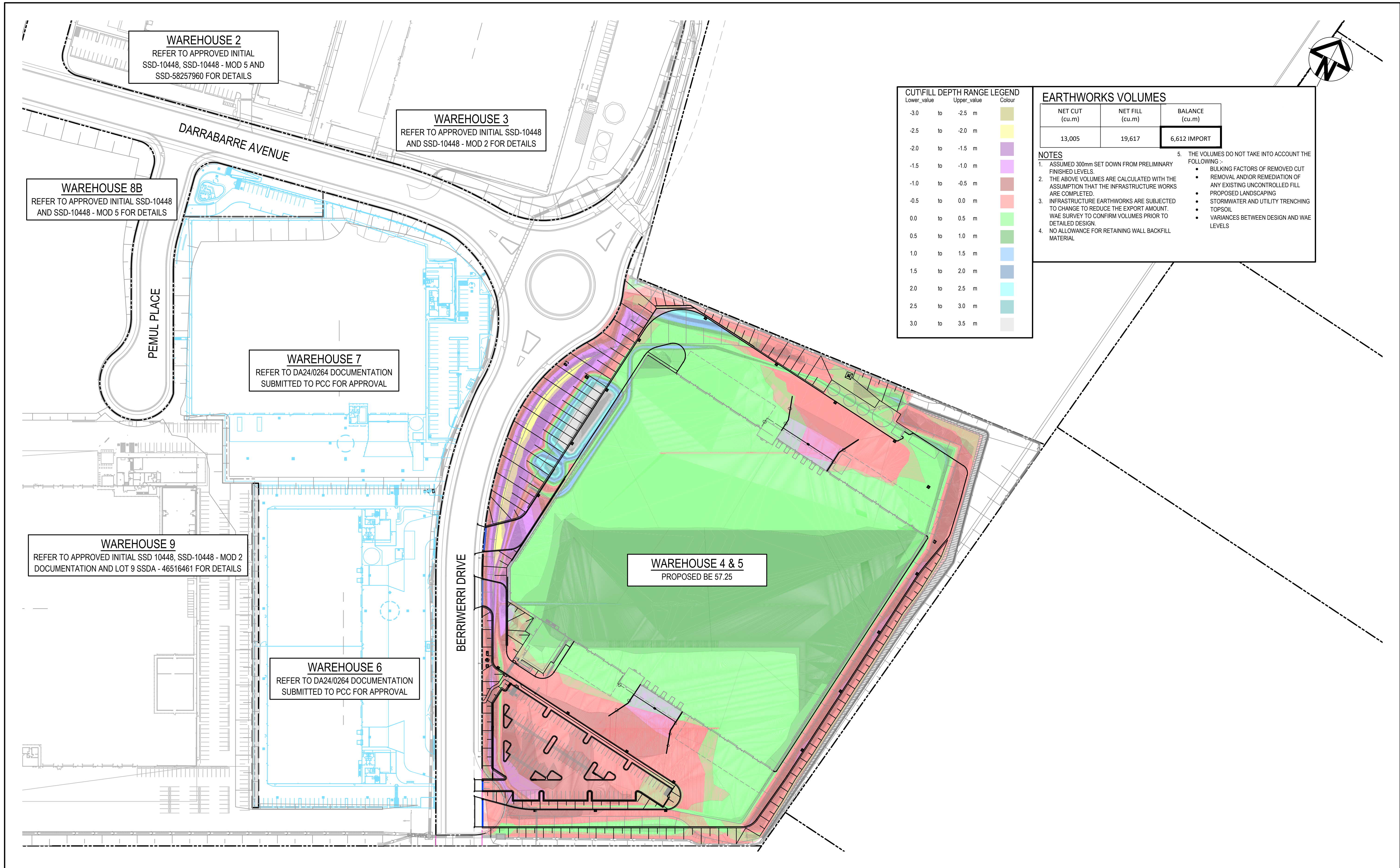
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.
CV-AIE.B04.DA.2450-AT&L

A1



			Bar Scales  1 : 500 @ A1 1 : 1000 @ 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 1:500	Drawn JB	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 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	
	Grid MGA	Designed JB								
	Height Datum AHD	Checked NT								
B	ISSUE FOR SSDA	23.01.26								
A	ISSUED FOR CLIENT REVIEW	30.10.25								
Issue	Description	Date						Title PAVEMENT PLAN SHEET 2	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. CV-AIE.B04.DA.2451-AT&L	A1



B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date

Bar Scales

0 20 40 60 80 100m

1 : 1000 @ A1 1 : 2000 @ A3

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Client

mirvac

Scales	1:500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS

GDA2020

Project

ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
LOT 4

Title

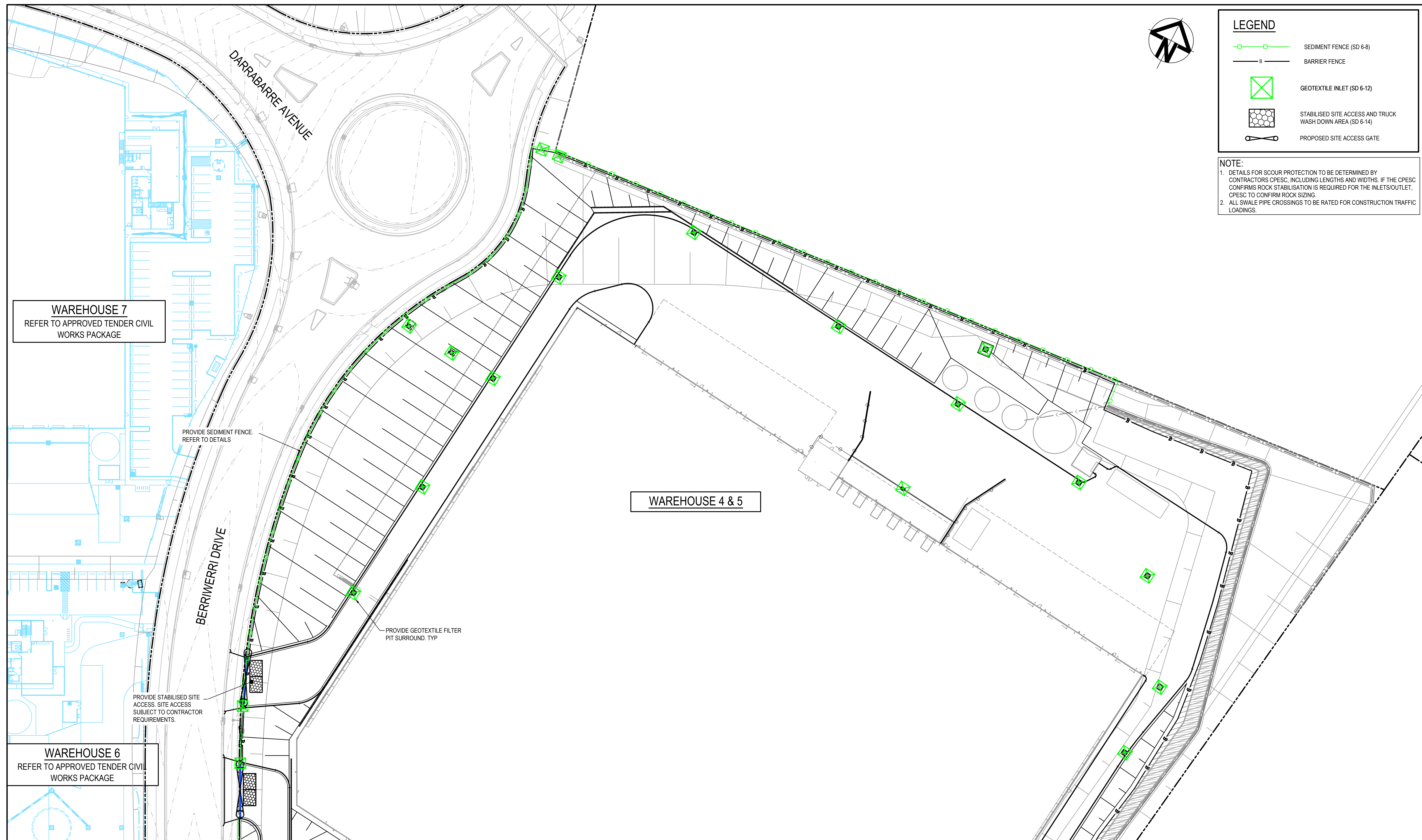
BULK EARTHWORKS
CUT AND FILL
PLAN

Civil Engineers and Project Managers

at&l

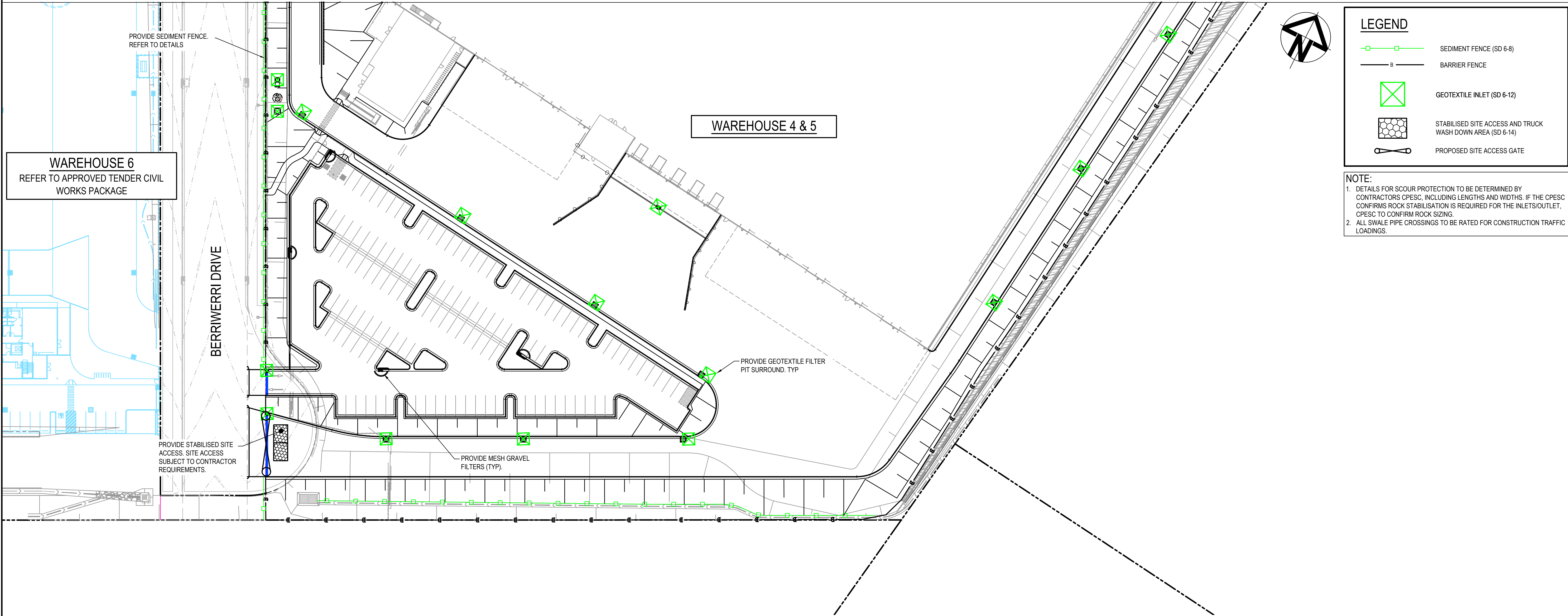
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		
CV-AIE.B04.DA.2460-AT&L		

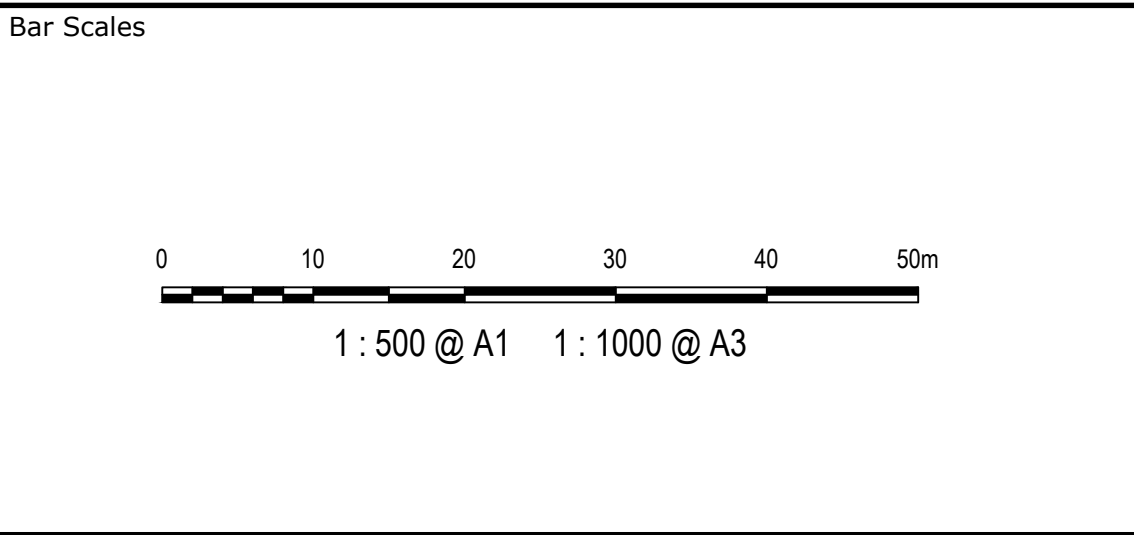


ADJOINS DRG 2471

[illegible]



B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date



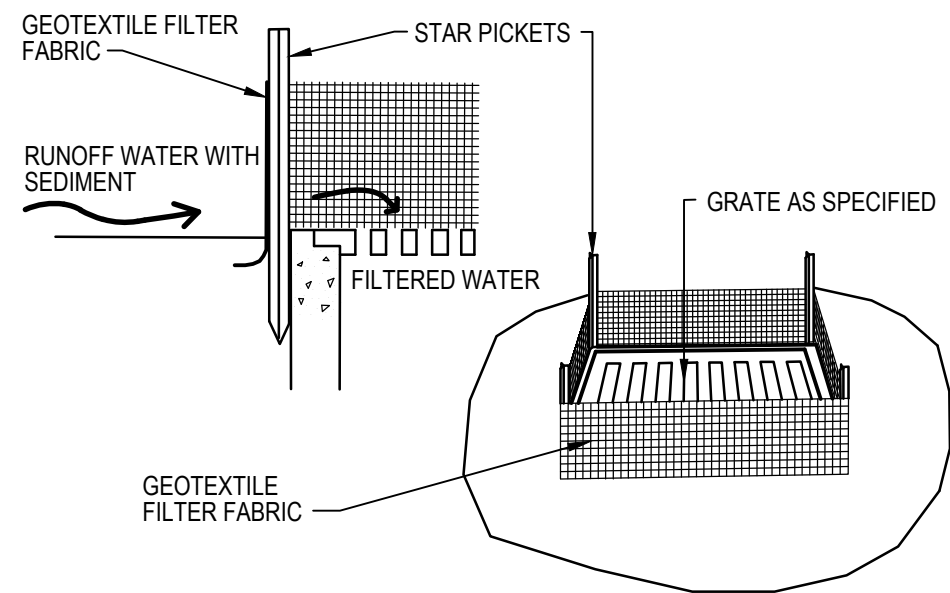
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Scales	1:500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS

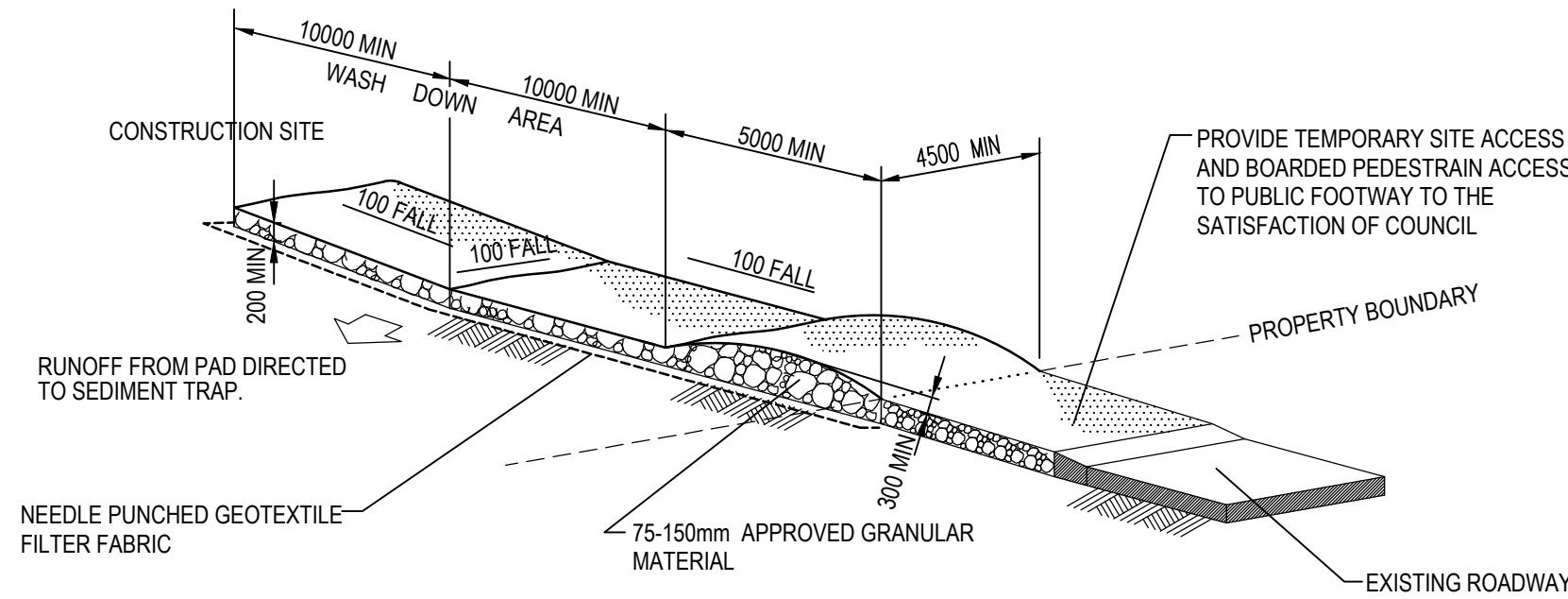
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4
Title	EROSION AND SEDIMENT CONTROL PLAN SHEET 2

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. CV-AIE.B04.DA.2471-AT&L		



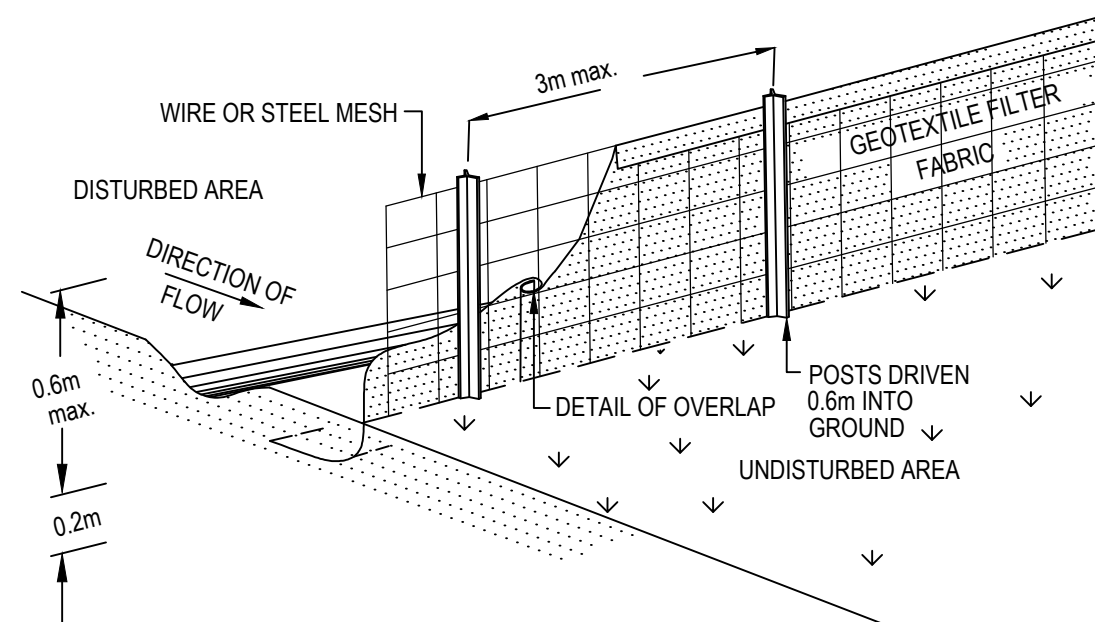
GEOTEXTILE FILTER PIT SURROUND

NTS



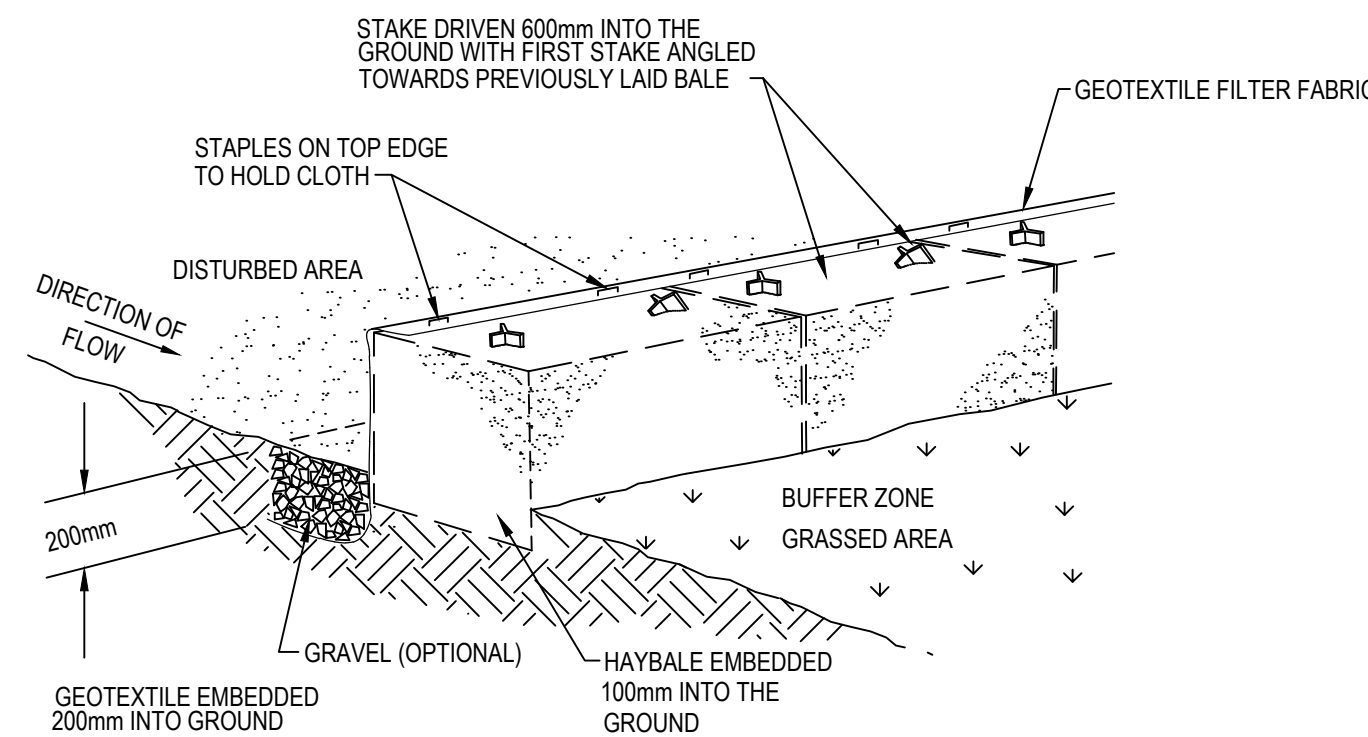
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



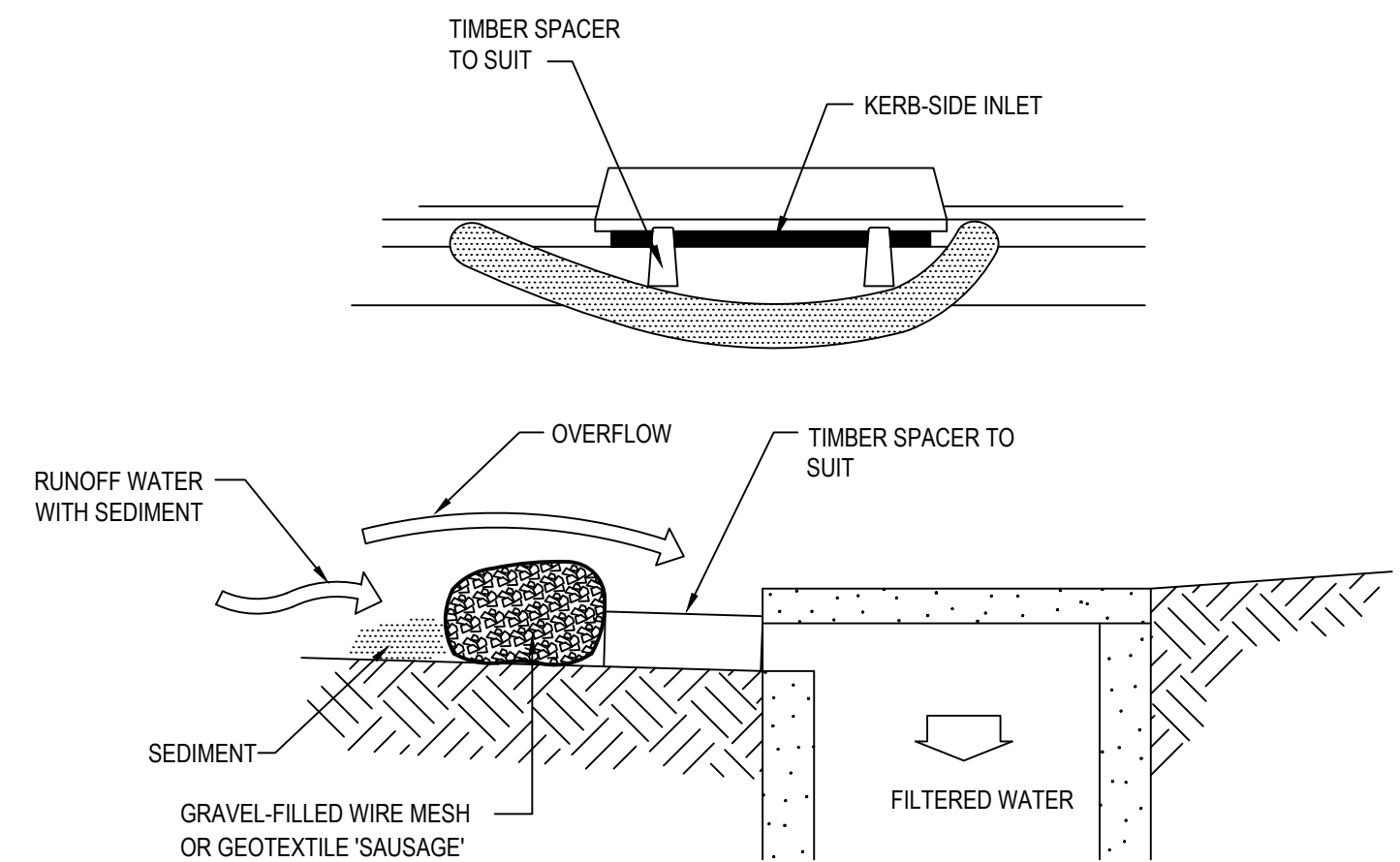
SEDIMENT FENCE

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



MESH AND GRAVEL INLET FILTER

NTS

B	ISSUE FOR SSDA	23.01.26
A	ISSUED FOR CLIENT REVIEW	30.10.25
Issue	Description	Date

Bar Scales

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Scales	NTS	Drawn	JB
		Designed	JB
Grid	MGA	Checked	NT
Height Datum	AHD	Approved	DS
GDA2020			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK LOT 4
Title	EROSION AND SEDIMENT CONTROL DETAILS

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. CV-AIE.B04.DA.2472-AT&L		