

# Attachment B

## Aspect Industrial Estate Stage 1 Civil Works Package (Mod 3) Application

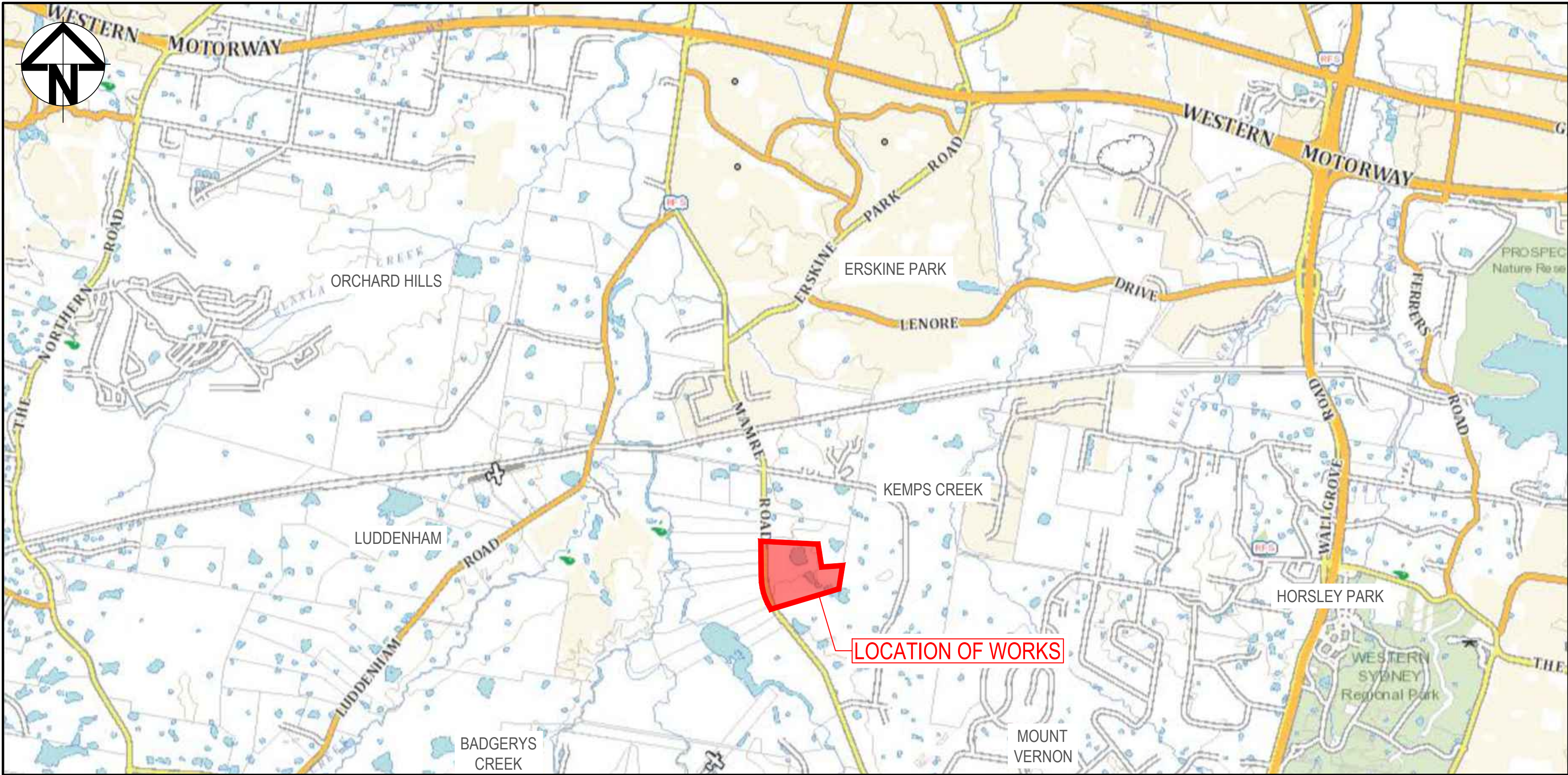


# ASPECT INDUSTRIAL ESTATE

## STAGE 1 CIVIL WORKS PACKAGE

### STATE SIGNIFICANT DEVELOPMENT

### MOD 3 APPLICATION



LOCALITY PLAN  
NOT TO SCALE

J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22	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 Grid MGA Height Datum AHD 	Drawn KR Designed KR Checked AT Approved AM	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 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							
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22														
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22														
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22														
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Issue	Description	Date	COVER SHEET AND LOCALITY PLAN							Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 18-596-C1000	A1 Issue J					



DRAWING LIST	
DRAWING No.	DRAWING TITLE
18-596-C1000	COVER SHEET AND LOCALITY PLAN
18-596-C1001	DRAWING LIST
18-596-C1002	NOTES AND LEGENDS SHEET
18-596-C1003	GENERAL ARRANGEMENT PLAN
18-596-C1005	TYPICAL ROAD SECTIONS SHEET 1
18-596-C1006	TYPICAL ROAD SECTIONS SHEET 2
18-596-C1007	TYPICAL ROAD SECTIONS SHEET 3
18-596-C1010	TYPICAL SECTIONS SHEET 1
18-596-C1011	TYPICAL SECTIONS SHEET 2
18-596-C1012	TYPICAL SECTIONS SHEET 3
18-596-C1013	TYPICAL SECTIONS SHEET 4
18-596-C1020	BULK EARTHWORKS CONTOUR PLAN
18-596-C1021	BULK EARTHWORKS SECTIONS SHEET 1
18-596-C1022	BULK EARTHWORKS SECTIONS SHEET 2
18-596-C1025	BULK EARTHWORKS CUT/FILL PLAN
18-596-C1030	BULK EARTHWORKS PLAN SHEET 1
18-596-C1031	BULK EARTHWORKS PLAN SHEET 2
18-596-C1032	BULK EARTHWORKS PLAN SHEET 3
18-596-C1033	BULK EARTHWORKS PLAN SHEET 4
18-596-C1034	BULK EARTHWORKS PLAN SHEET 5
18-596-C1035	BULK EARTHWORKS PLAN SHEET 6
18-596-C1036	BULK EARTHWORKS PLAN SHEET 7
18-596-C1037	BULK EARTHWORKS PLAN SHEET 8
18-596-C1038	BULK EARTHWORKS PLAN SHEET 9
18-596-C1039	BULK EARTHWORKS PLAN SHEET 10
18-596-C1040	STORMWATER DRAINAGE OVERALL PLAN
18-596-C1045	STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)
18-596-C1046	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)
18-596-C1050	ROADWORKS AND STORMWATER DRAINAGE SHEET 1
18-596-C1051	ROADWORKS AND STORMWATER DRAINAGE SHEET 2
18-596-C1052	ROADWORKS AND STORMWATER DRAINAGE SHEET 3
18-596-C1053	ROADWORKS AND STORMWATER DRAINAGE SHEET 4
18-596-C1054	ROADWORKS AND STORMWATER DRAINAGE SHEET 5
18-596-C1055	ROADWORKS AND STORMWATER DRAINAGE SHEET 6
18-596-C1056	ROADWORKS AND STORMWATER DRAINAGE SHEET 7
18-596-C1057	ROADWORKS AND STORMWATER DRAINAGE SHEET 8
18-596-C1058	ROADWORKS AND STORMWATER DRAINAGE SHEET 9
18-596-C1059	ROADWORKS AND STORMWATER DRAINAGE SHEET 10
18-596-C1060	ROADWORKS AND STORMWATER DRAINAGE SHEET 11
18-596-C1061	ROADWORKS AND STORMWATER DRAINAGE SHEET 12
18-596-C1070	ROAD 01 LONGITUDINAL SECTION SHEET 1
18-596-C1071	ROAD 02 LONGITUDINAL SECTION SHEET 1
18-596-C1072	ROAD 03 LONGITUDINAL SECTION SHEET 1

18-596-C1073	ROAD 04 LONGITUDINAL SECTION SHEET 1
18-596-C1080	RETAINING WALL GENERAL ARRANGEMENT PLAN
18-596-C1081	RETAINING WALL PROFILES SHEET 1
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18-596-C1090	SERVICES AND UTILITIES COORDINATION OVERALL PLAN
18-596-C1091	SERVICES AND UTILITIES COORDINATION PLAN SHEET 1
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18-596-C1094	SERVICES AND UTILITIES COORDINATION PLAN SHEET 4
18-596-C1110	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
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18-596-C1112	EROSION AND SEDIMENT CONTROL PLAN SHEET 3
18-596-C1113	EROSION AND SEDIMENT CONTROL PLAN SHEET 4
18-596-C1114	EROSION AND SEDIMENT CONTROL PLAN SHEET 5
18-596-C1115	EROSION AND SEDIMENT CONTROL PLAN SHEET 6
18-596-C1116	EROSION AND SEDIMENT CONTROL PLAN SHEET 7
18-596-C1117	EROSION AND SEDIMENT CONTROL PLAN SHEET 8
18-596-C1118	EROSION AND SEDIMENT CONTROL PLAN SHEET 9
18-596-C1119	EROSION AND SEDIMENT CONTROL PLAN SHEET 10
18-596-C1120	EROSION AND SEDIMENT CONTROL DETAILS
18-596-C1150	VEHICLE TURN PATHS PLAN SHEET 1
18-596-C1151	VEHICLE TURN PATHS PLAN SHEET 2
18-596-C1152	VEHICLE TURN PATHS PLAN SHEET 3
18-596-C1153	VEHICLE TURN PATHS PLAN SHEET 4
18-596-C1154	VEHICLE TURN PATHS PLAN SHEET 5
18-596-C1155	VEHICLE TURN PATHS PLAN SHEET 6
18-596-C1203	TEMPORARY WORKS GENERAL ARRANGEMENT PLAN
18-596-C1210	TEMPORARY WORKS TYPICAL SECTIONS SHEET 1
18-596-C1220	TEMPORARY WORKS BULK EARTHWORKS CONTOUR PLAN
18-596-C1221	TEMPORARY WORKS BULK EARTHWORKS SECTIONS SHEET 1
18-596-C1230	TEMPORARY WORKS BULK EARTHWORKS PLAN SHEET 1
18-596-C1231	TEMPORARY WORKS BULK EARTHWORKS PLAN SHEET 2
18-596-C1250	TEMPORARY WORKS ROADWORKS AND STORMWATER DRAINAGE SHEET 1
18-596-C1310	TEMPORARY WORKS EROSION AND SEDIMENT CONTROL PLAN SHEET 1
18-596-C1311	TEMPORARY WORKS EROSION AND SEDIMENT CONTROL PLAN SHEET 2

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100mm on Original



1. ORIGIN OF LEVELS- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED 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) AND COMPACTED TO MINIMUM 98% 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% DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m 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

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

AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

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

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

CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

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.

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.

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.

- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY 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 FIBER 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:

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY CARDINO HARD & FORESTER PTY LTD AND LAND PARTNERS PTY LTD, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN, AT & 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.

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

6. 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.

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, CUTTERS, 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.

STORMWATER DESIGN CRITERIA:

- (A) AVERAGE RECURRENT 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  $C = 100$   $\pm 1.0$
  - EXTERNAL PAVEMENTS,  $C = 100$   $\pm 1.0$

PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS 3' APPROVED SPIGOT AND SOCKET WITH RUBBER GING JOINTS. U.O. ALL ROAD CROSSINGS TO BE CLASS 4' U.O..

PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.

EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL OF PENRITH CITY COUNCIL.

ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.

PIPES TO BE INSTALLED TO TYPE H82 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)

ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).

ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.

WHERE SUBSIDIARY DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.

CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.

1. GRATES AND COVERS SHALL CONFORM TO AS 3996 AND PENRITH CITY COUNCIL CONSTRUCTION SPECIFICATIONS.

2. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.

1. DEMOLITION OF EXISTING DWELLING TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF AS2601:2001 - DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.
2. EXISTING INTERNALS FENCING, CATTLE YARDS, UTILITIES AND OTHER REDUNDANT STRUCTURES TO BE DEMOLISHED AND REMOVED TO AN APPROVED WASTE MANAGEMENT FACILITY.
3. DAM DECOMMISSIONING TO BE COMPLETED AS PER THE DAM DECOMMISSIONING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).
4. ALL EXISTING SERVICES (INCLUDING SEPTIC TANKS) SHALL BE REMOVED FROM SITE.
5. ALL UNDERGROUND CABLES AND PIPES SHALL BE GRUBBED OUT AND CAPPED AT THE BOUNDARY OF THE SITE.

CONTINUED ABOVE

- 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.

## SEQUENCE

1. STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
2. CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.

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

## GENERAL INSTRUCTIONS

1. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A SUITABLY QUALIFIED EROSION AND SEDIMENT CONSULTANT FOR THE DURATION OF THE CONTRACT WITH THE EXPERTISE IN DESIGNING AND DOCUMENTING THE CONTROLS TO ALLOW THE INSTALLATION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROLS. SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR REQUIRED TO SUIT THE CONSTRUCTION STAGING
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
  - a. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
  - b. LOCAL AUTHORITY REQUIREMENTS
  - c. EPA REQUIREMENTS
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDING AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

## LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN / INSTALLED AS DIRECTED BY THE CONTRACTORS EROSION AND SEDIMENT CONTROL CONSULTANT.

## EROSION CONTROL

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

Bar Scales

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Scales		Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM



PECT INDUSTRIAL ESTATE  
MAMRE ROAD,  
KEMPS CREEK  
STAGE 1

## NOTES AND LEGENDS SHEET

Civil Engineers and Project Managers

— Level 7, 15

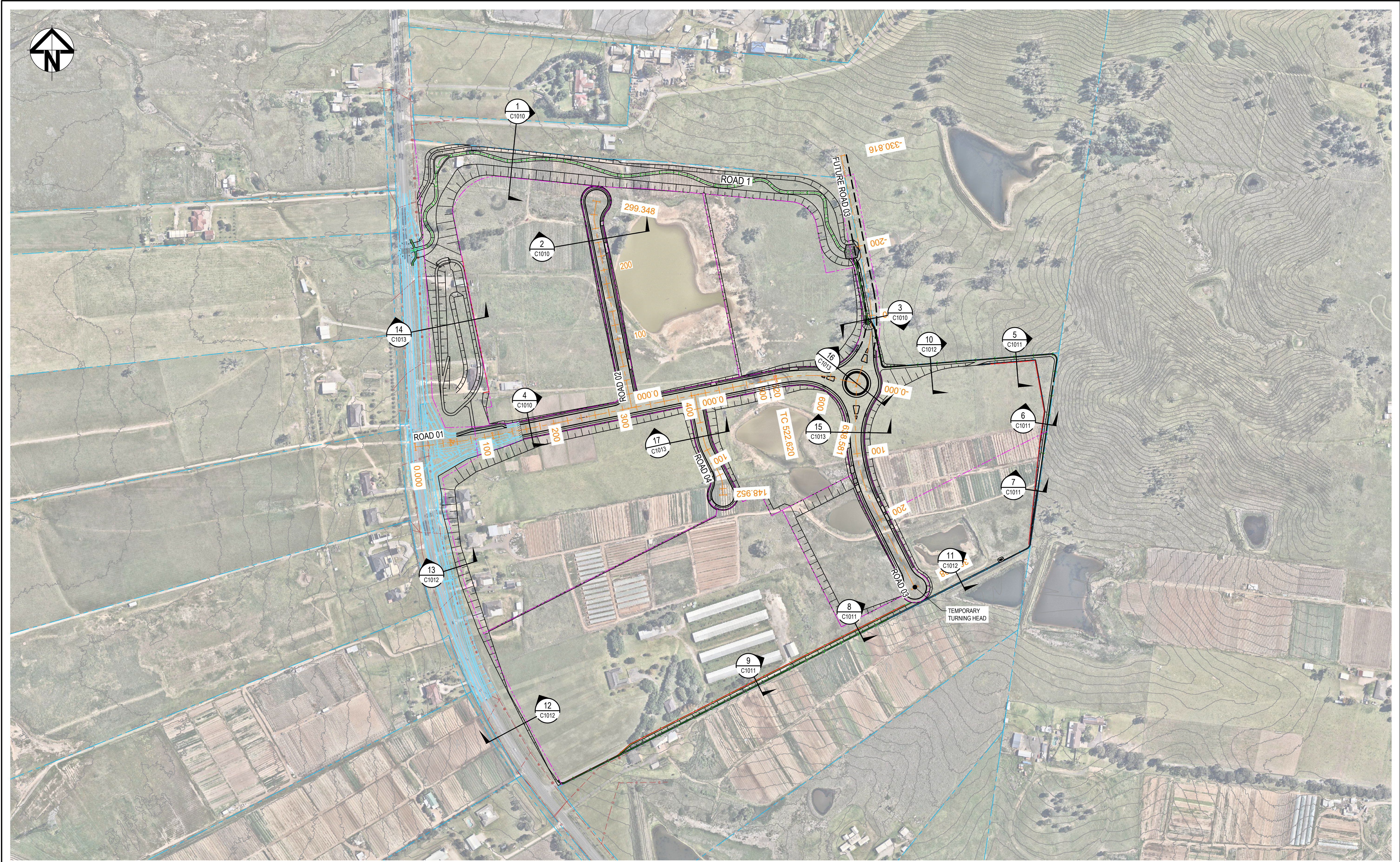
**at&I**  
North Sydney NSW  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
[www.atl.net.au](http://www.atl.net.au)  
[info@atl.net.au](mailto:info@atl.net.au)

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

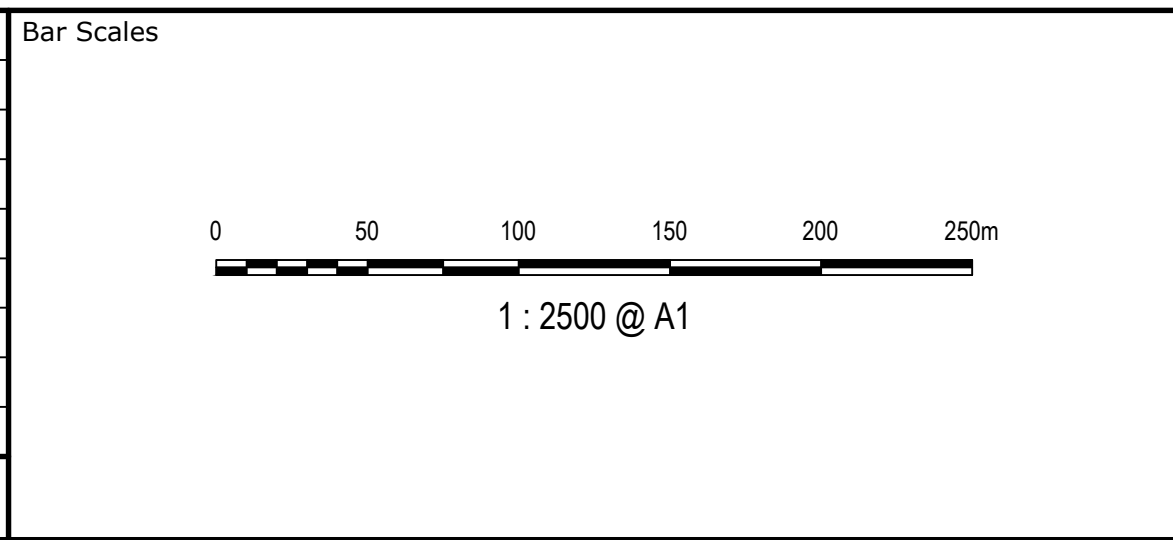
Project - Drawing No.  
18-596-C1002

Issue  
J





N	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
M	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
N	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
M	ISSUED FOR DEVELOPMENT APPLICATION	24-02-23
L	ISSUED FOR DEVELOPMENT APPLICATION	21-02-22
K	ISSUED FOR DEVELOPMENT APPLICATION	10-02-22
J	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
H	ISSUED FOR DEVELOPMENT APPLICATION	16-12-21
G	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
Issue	Description	Date



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Scales	1:2500	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	18-596-C1003
Issue	N





Bar Scales


0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

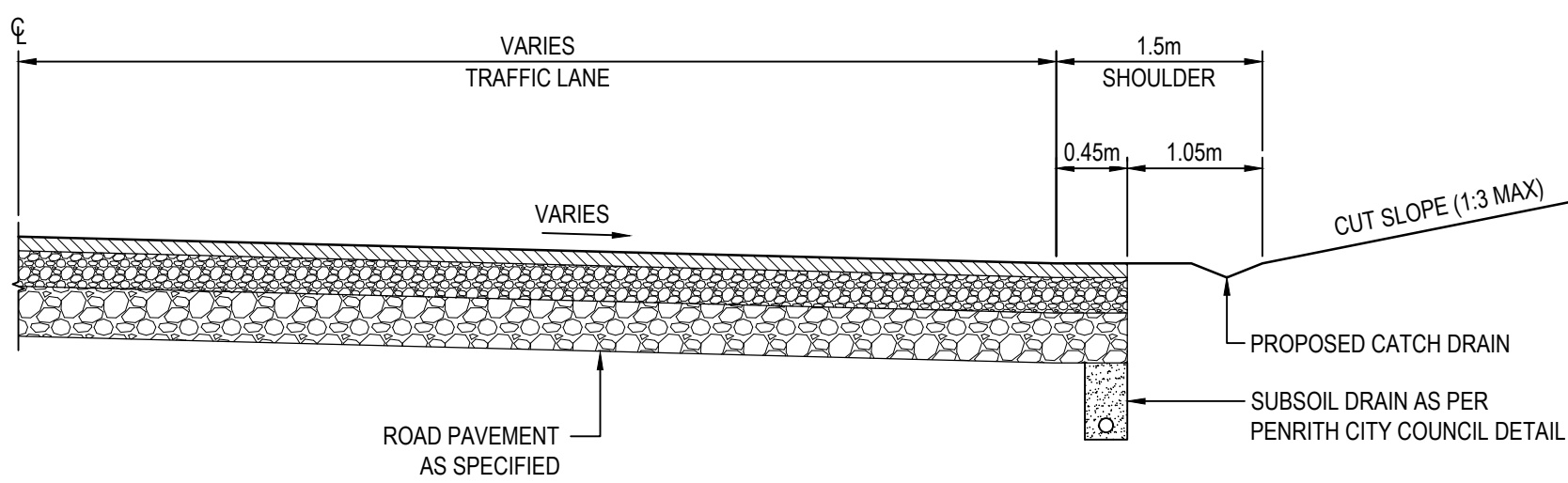
Client

The Mirvac logo consists of a stylized, dark blue graphic above the word "mirvac" in a lowercase, sans-serif font. The graphic is composed of three interconnected, rounded rectangular shapes that form a larger, abstract 'M' or a series of connected arches.

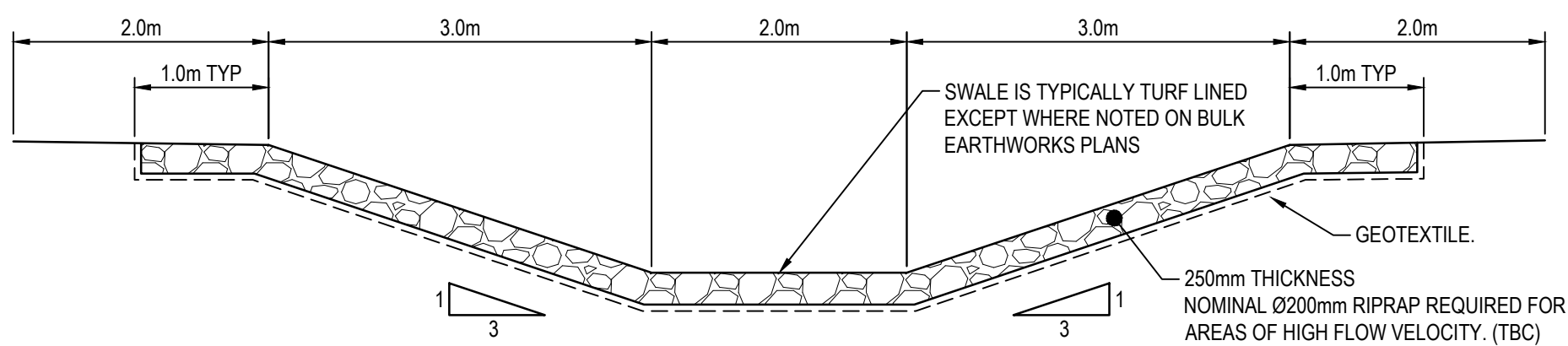
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	TYPICAL ROAD SECTIONS SHEET 1

Civil Engineers and Project Managers	
	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 <a href="http://www.atl.net.au">www.atl.net.au</a> <a href="mailto:info@atl.net.au">info@atl.net.au</a>
Status <b>FOR APPROVAL</b> <b><u>NOT TO BE USED FOR CONSTRUCTION</u></b>	<b>A1</b>
Project - Drawing No. <b>18-596-C1005</b>	Issue <b>K</b>

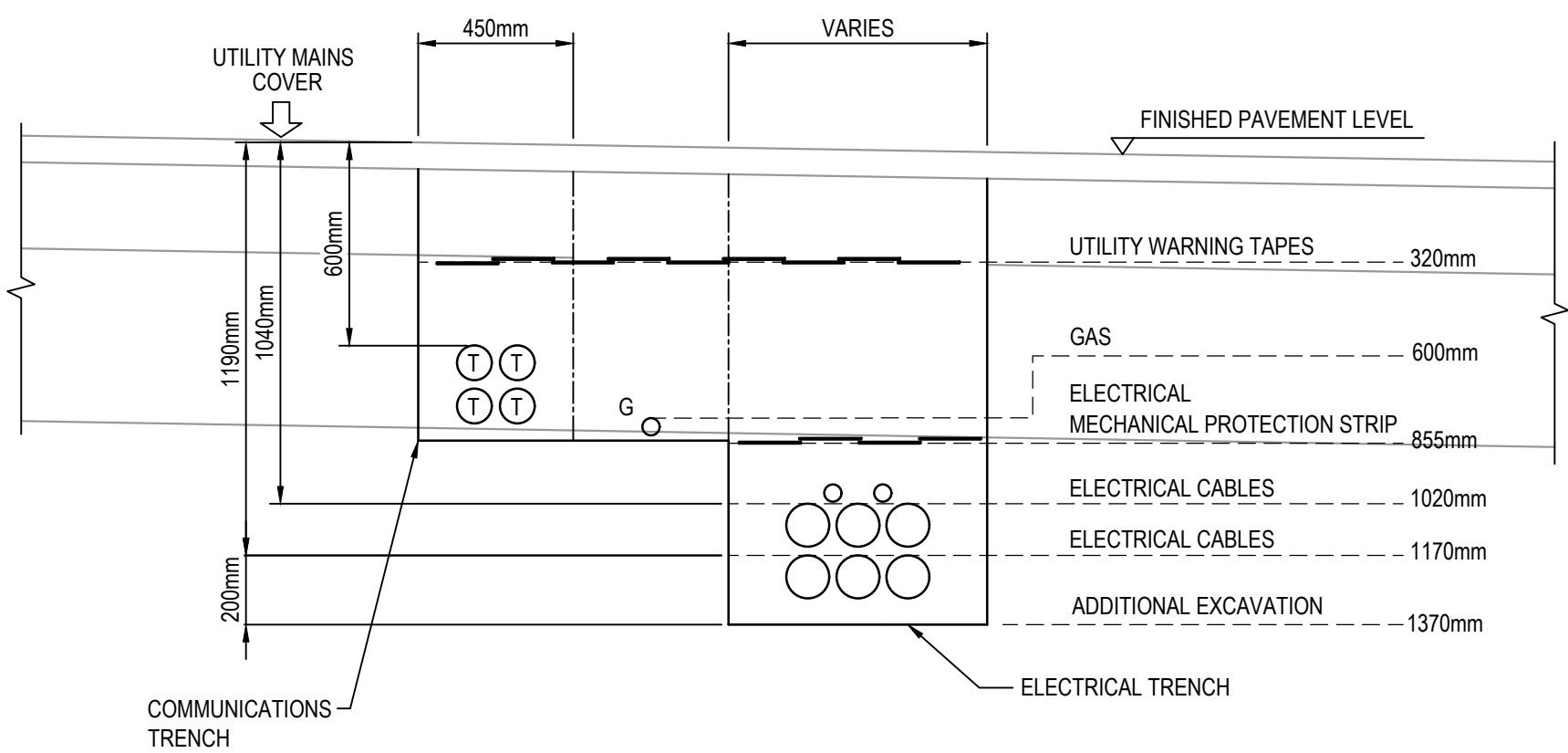




TYPICAL SECTION - TEMPORARY TURNING HEAD  
SCALE 1:50

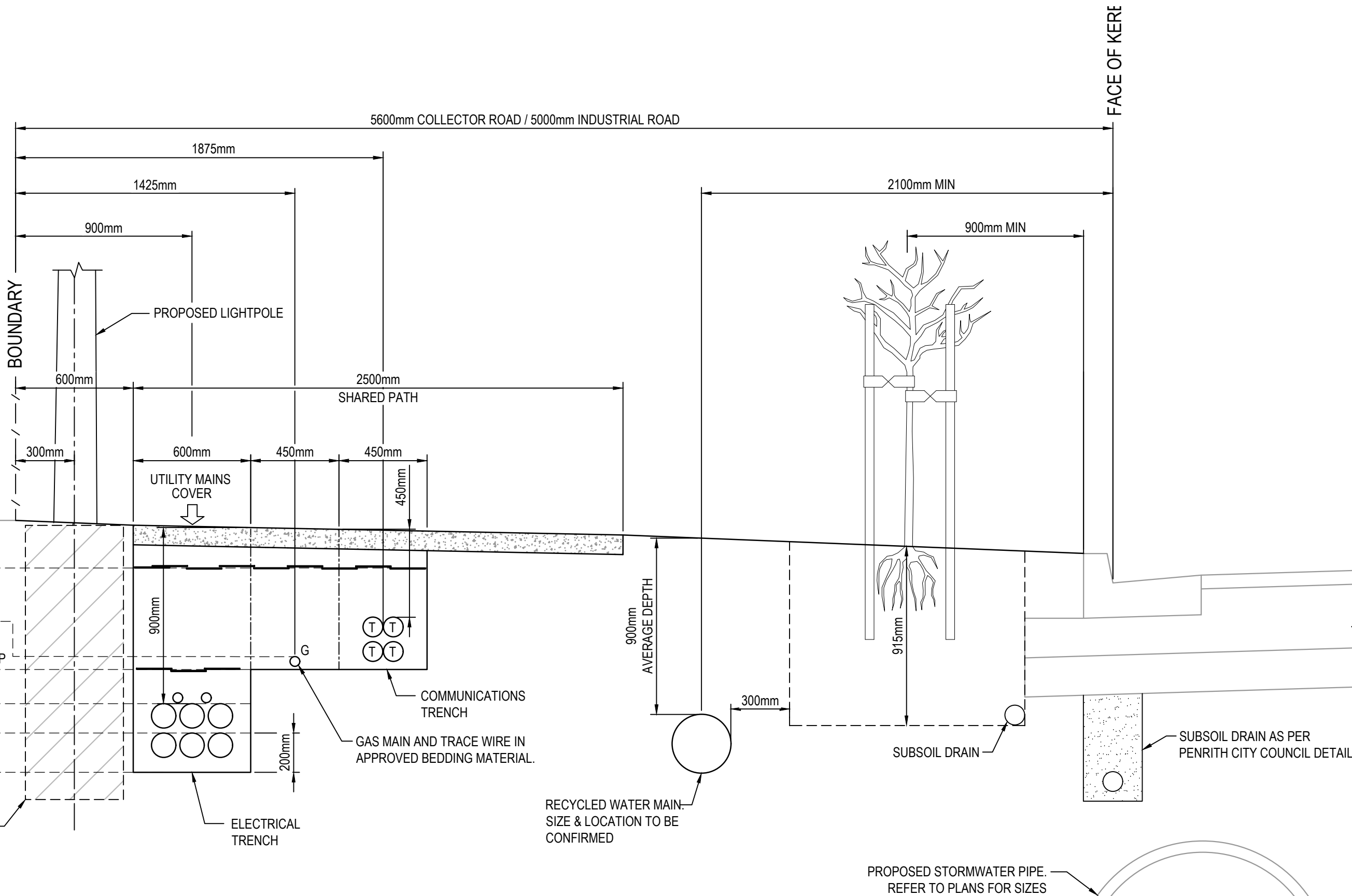


TYPICAL STORMWATER DIVERSION CATCH DRAIN  
SCALE 1:50



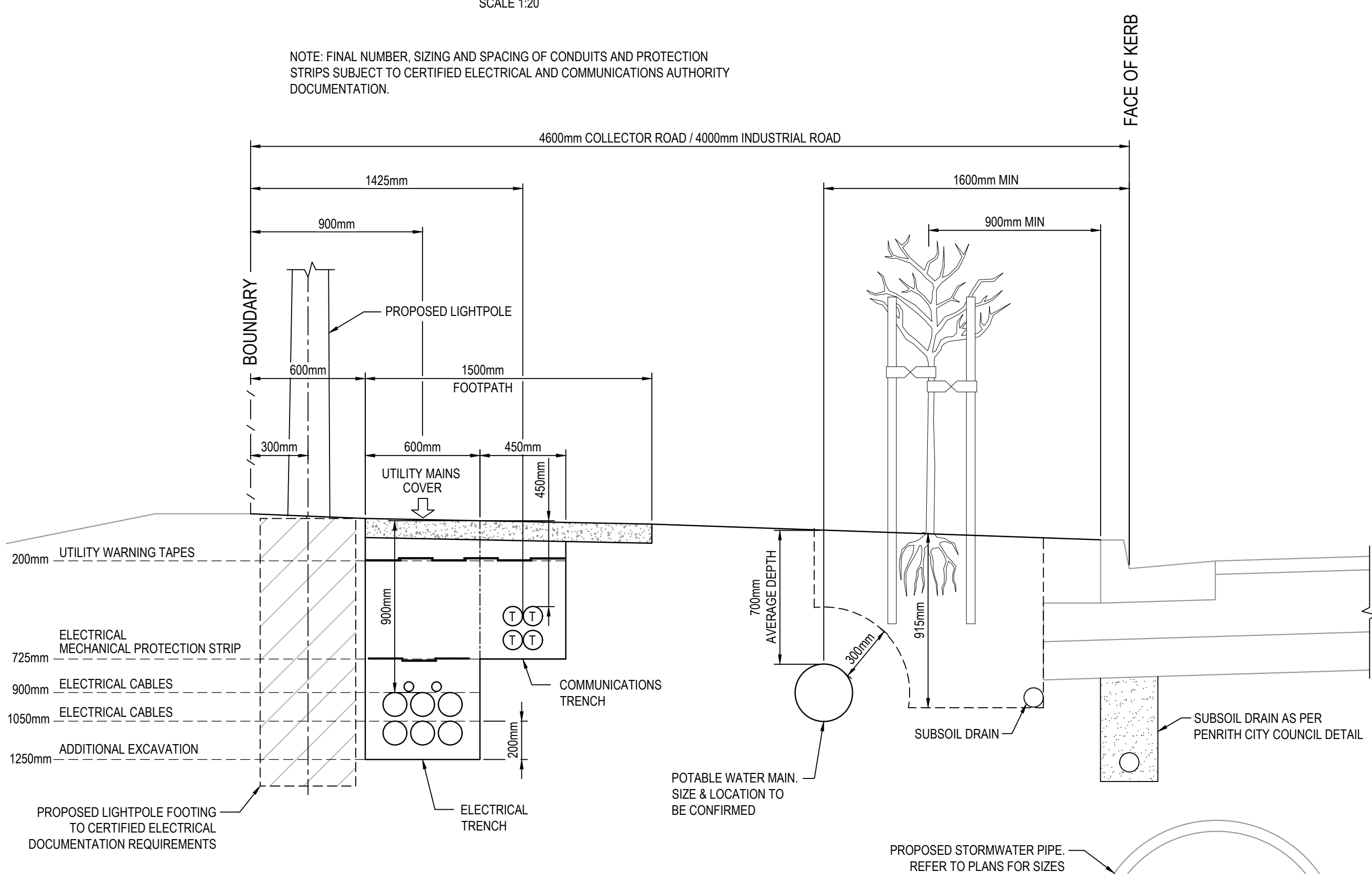
TYPICAL SERVICES TRENCH DETAIL (ROAD CROSSING)  
SCALE 1:20

NOTE: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.



TYPICAL SERVICES TRENCH DETAIL  
ROAD 01 AND 03 (SHARED PATH VERGE)  
SCALE 1:20

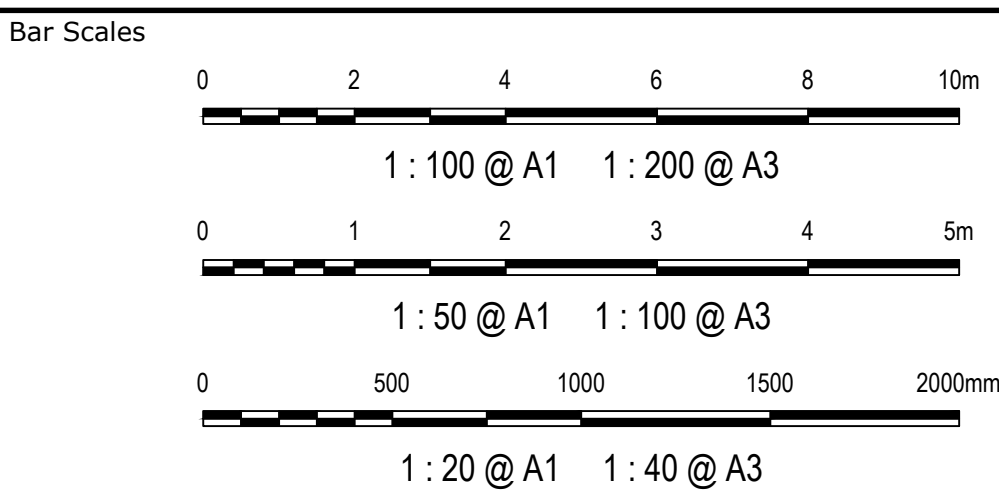
NOTE: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.



TYPICAL SERVICES TRENCH DETAIL  
ROAD 01 AND 03 (FOOTPATH VERGE)  
SCALE 1:20

NOTE: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.

K	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
J	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
H	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
F	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	16-12-21
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
Issue	Description	Date



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Scales	1:100 1:50 1:20	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM
GDA2020			

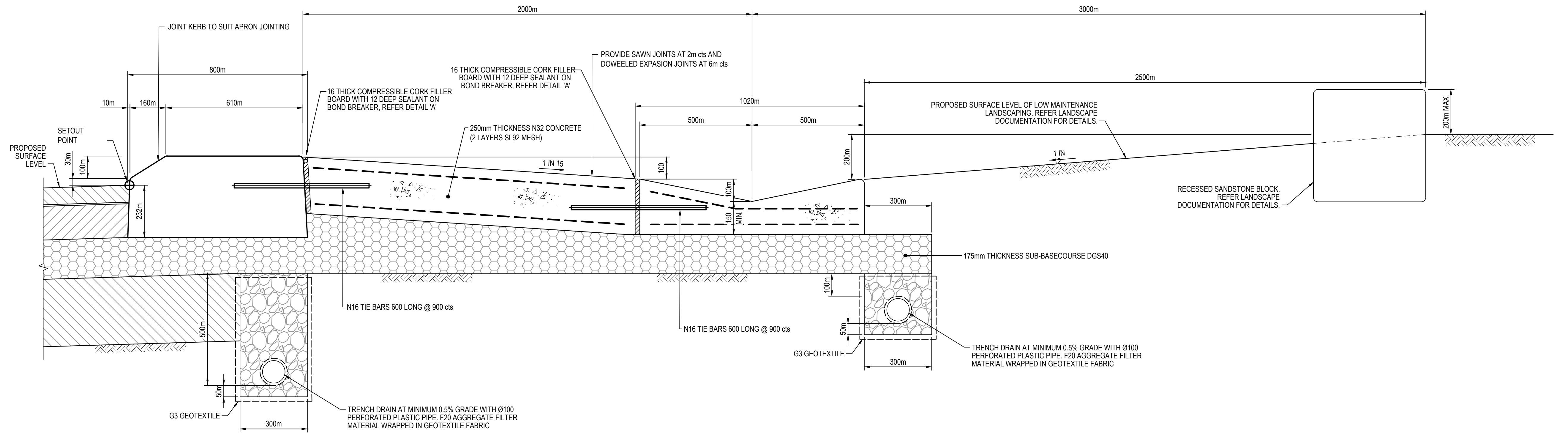
Project  
ASPECT INDUSTRIAL ESTATE  
MAMRE ROAD,  
KEMPS CREEK  
STAGE 1

Title  
TYPICAL ROAD SECTIONS  
SHEET 2




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.	18-596-C1006	Issue K





SECTION 1  
1:10

			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 <div></div>	Scales		Drawn	KR	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1	Civil Engineers and Project Managers							
			<div> 1: 10 @ A1    1: 20 @ A3</div>				1:10		Designed	KR		<div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div>	Status <b>FOR APPROVAL</b> <b>NOT TO BE USED FOR CONSTRUCTION</b>	A1					
							Grid	MGA	Checked	AT					Title  TYPICAL ROAD SECTIONS SHEET 3	Project - Drawing No. <b>18-596-C1007</b>	Issue  A		
							Height Datum	AHD	Approved	AM									
A ISSUED FOR DEVELOPMENT APPLICATION					Date		<div></div>												
Issue			Description																

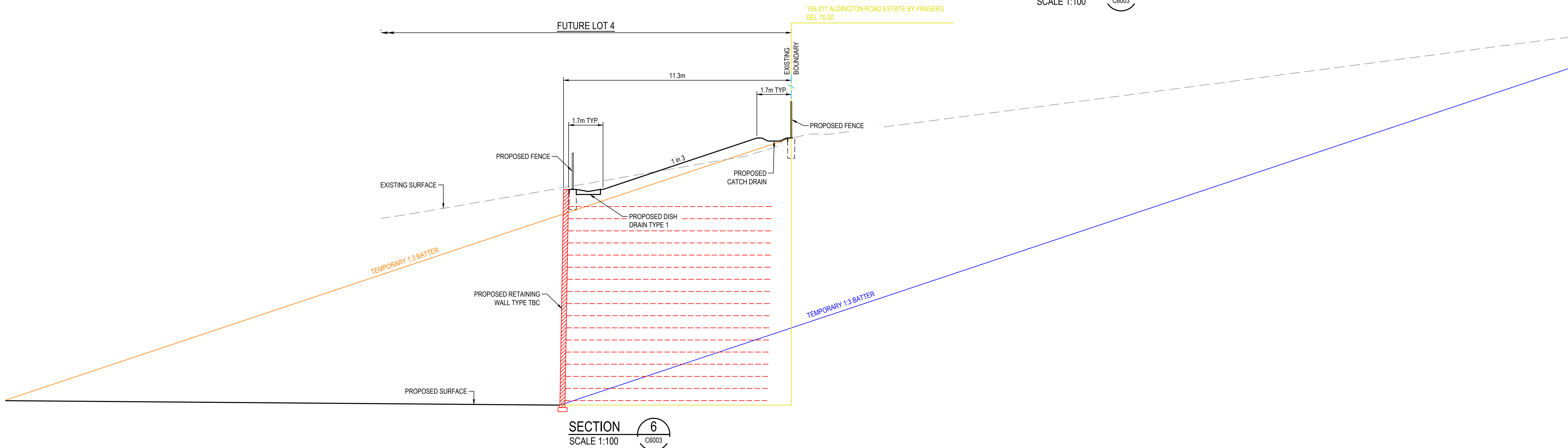
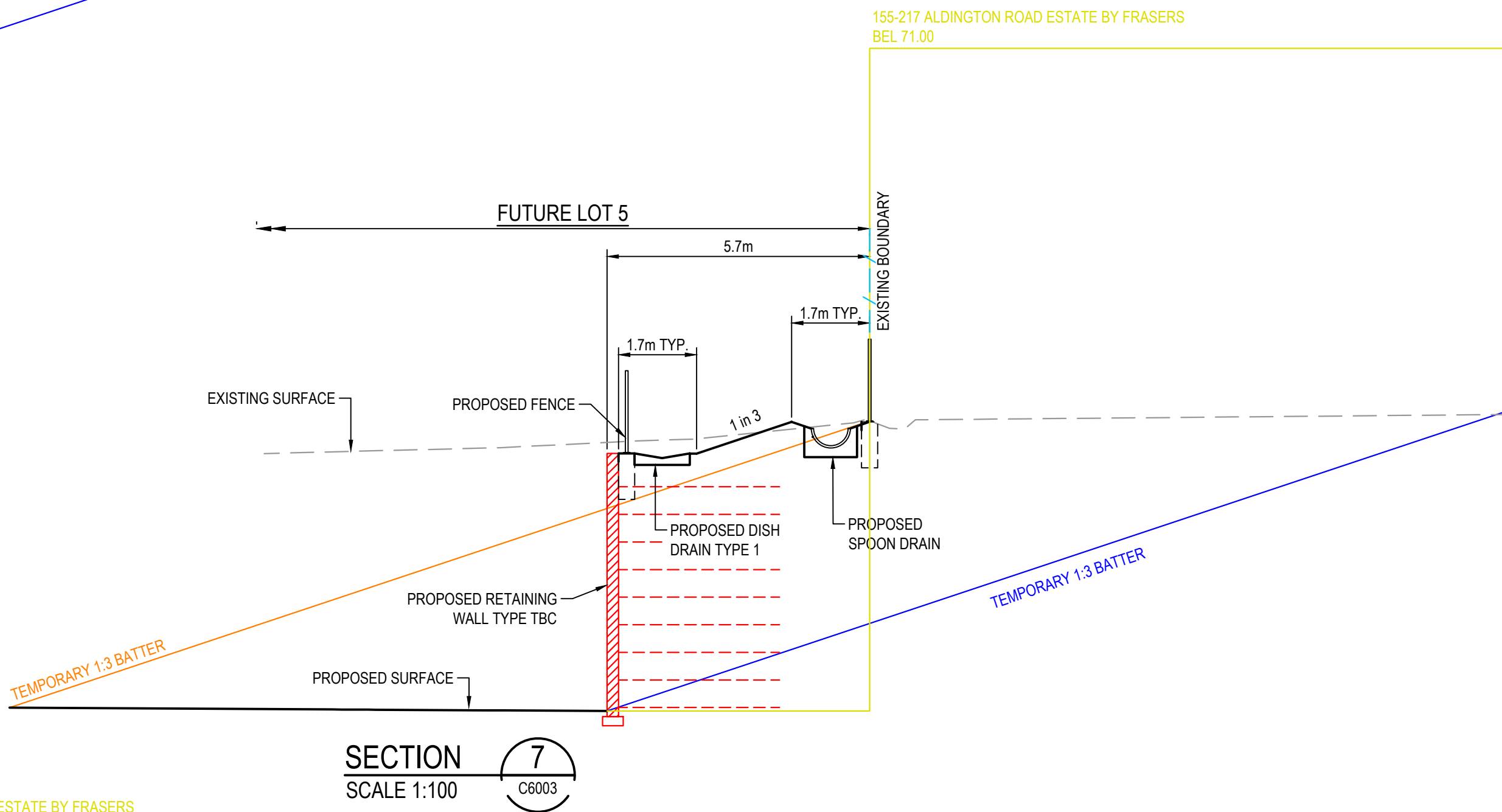
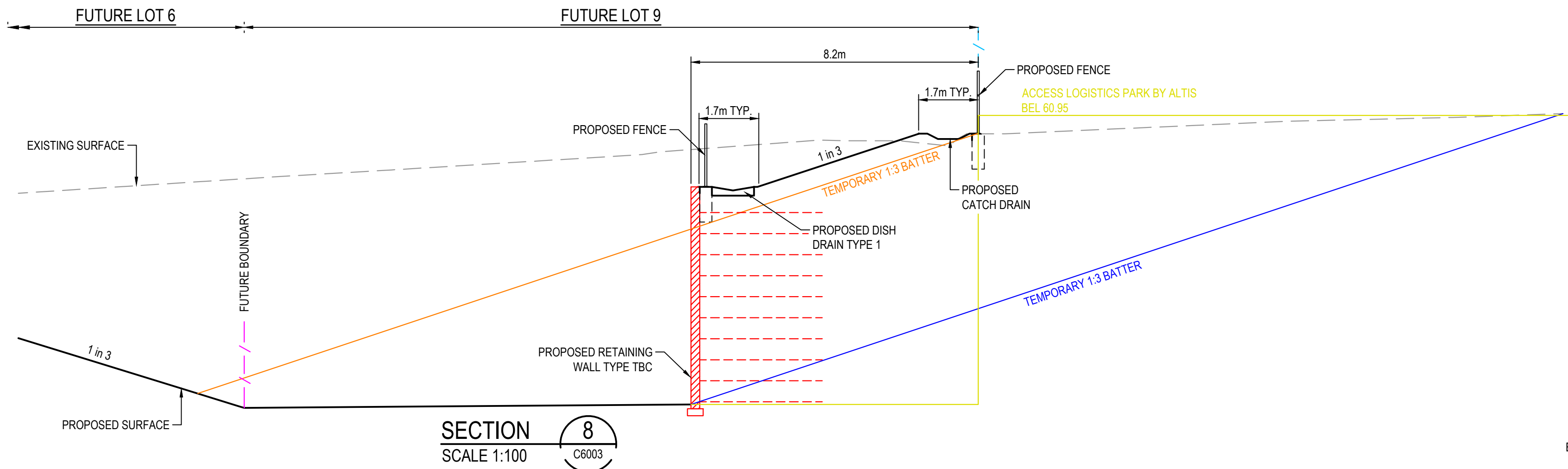






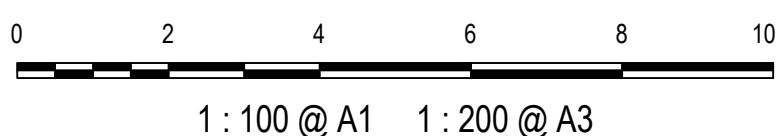
LEGEND

- ALTERNATE TEMPORARY 1:3 BATTER INTO ASPECT SITE
- ALTERNATE TEMPORARY 1:3 BATTER INTO NEIGHBOURING SITE
- NEIGHBOURING SITE BULK EARTHWORKS LEVELS



K	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
J	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
H	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
F	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	16-12-21
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
Issue	Description	Date

Bar Scales



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Client



Scales

1:100

Grid

MGA

Height Datum

AHD

Drawn

KR

Designed

KR

Checked

AT

Approved

AM

Project

ASPECT INDUSTRIAL ESTATE  
MAMRE ROAD,  
KEMPS CREEK  
STAGE 1

Title

TYPICAL 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

Project - Drawing No.

18-596-C1011

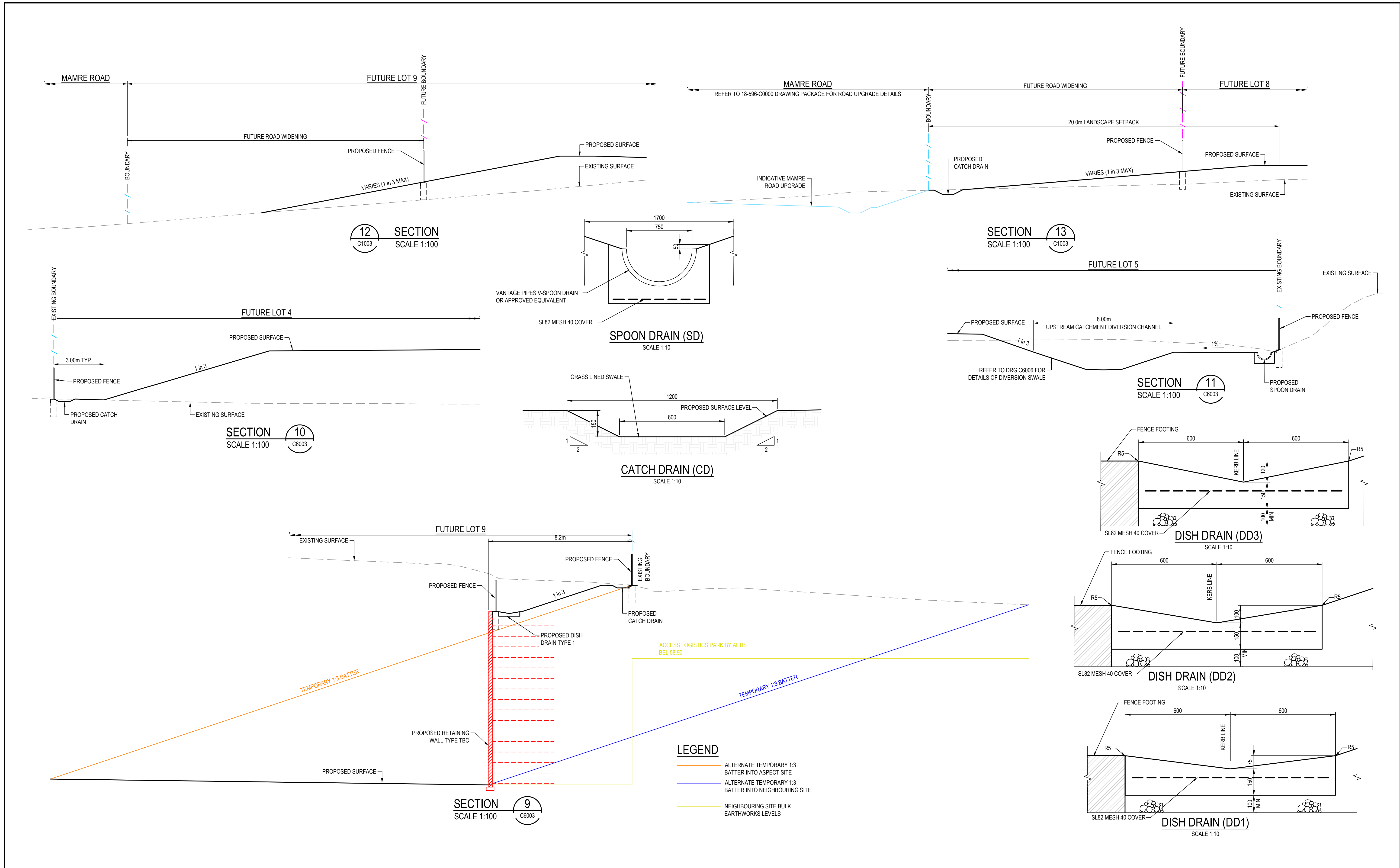
Issue

A1

Issue

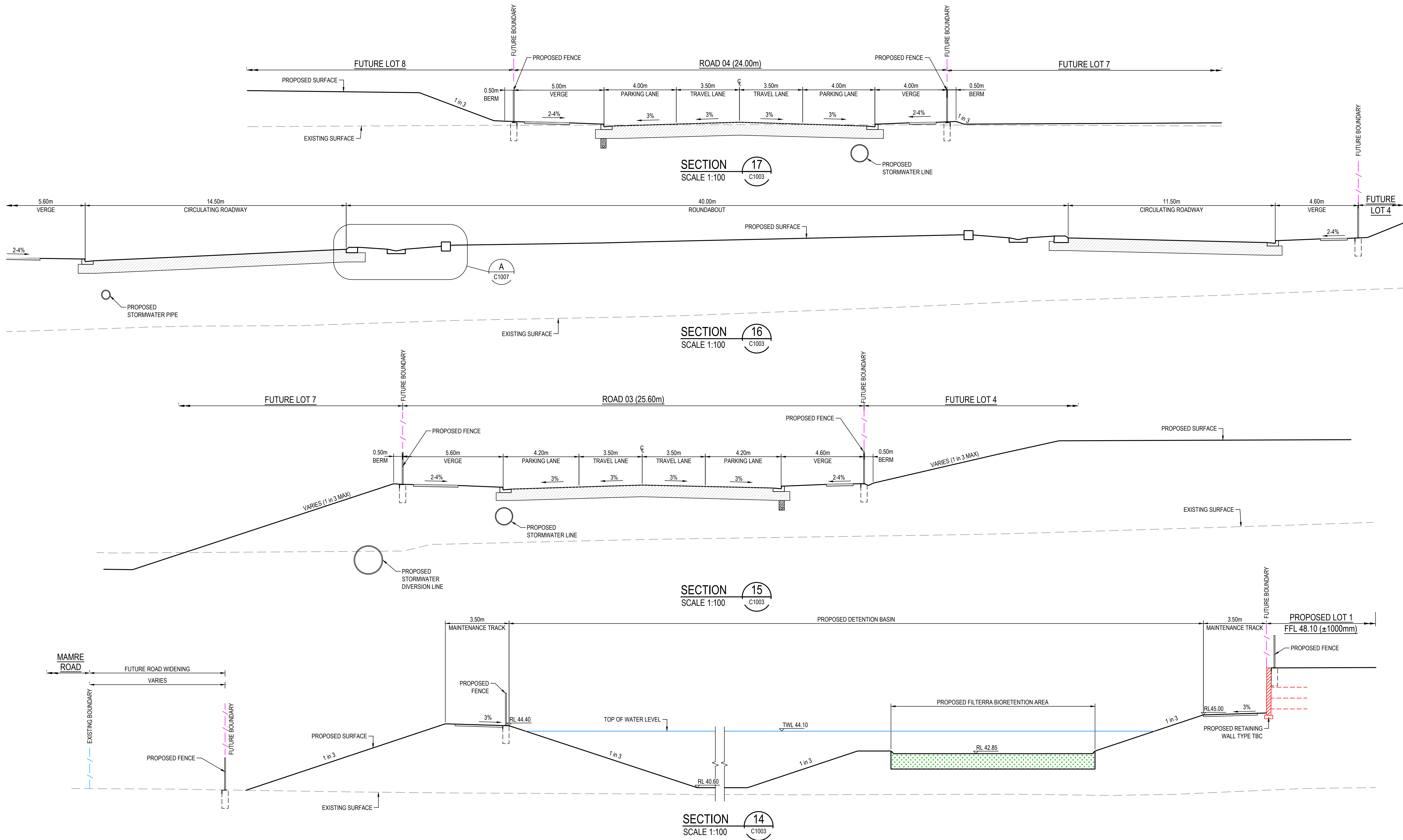
K



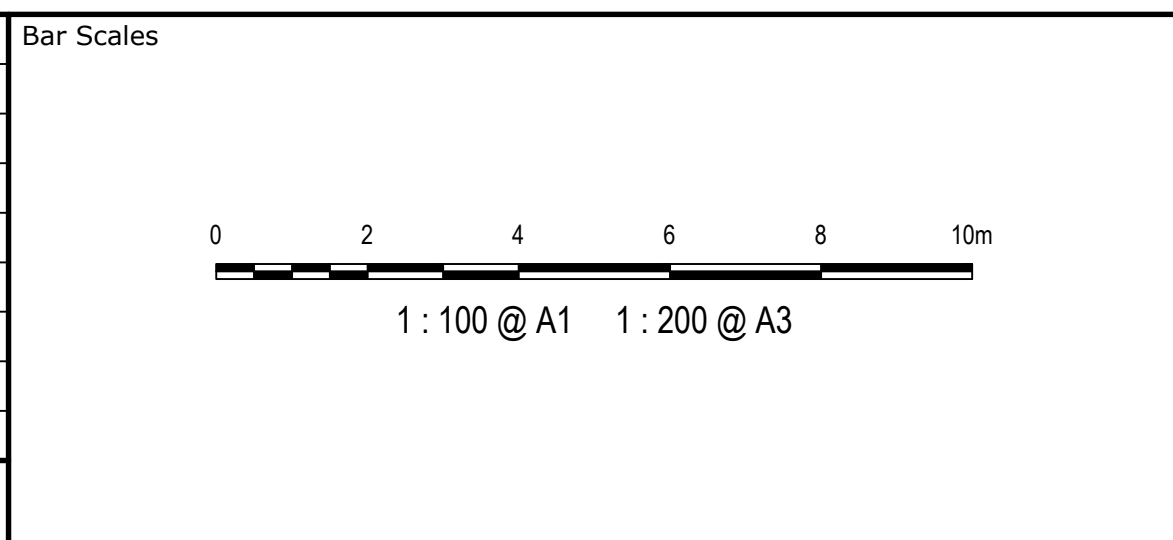


K	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22	Bar Scales	<div><div>02046810</div><div>1 : 100 @ A1   1 : 200 @ A3</div></div>	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client <div><div></div><div>mirvac</div></div>	Scales 1:100 Grid MGA Height Datum AHD <div><div></div><div>GDA2020</div></div>	Drawn KR Designed KR Checked AT Approved AM	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1 Title TYPICAL SECTIONS SHEET 3	Civil Engineers and Project Managers <div><div>at&amp;l</div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div> <div>Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div> <div>Project - Drawing No. 18-596-C1012</div> <div>Issue K</div>							
J	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22															
H	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22															
G	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22															
F	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22															
E	ISSUED FOR DEVELOPMENT APPLICATION	16-12-21															
D	ISSUED FOR RESPONSE TO SUBMISSION	17-02-21															
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20															
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20	Date														
Issue	Description																





B	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
A	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
Issue	Description	Date



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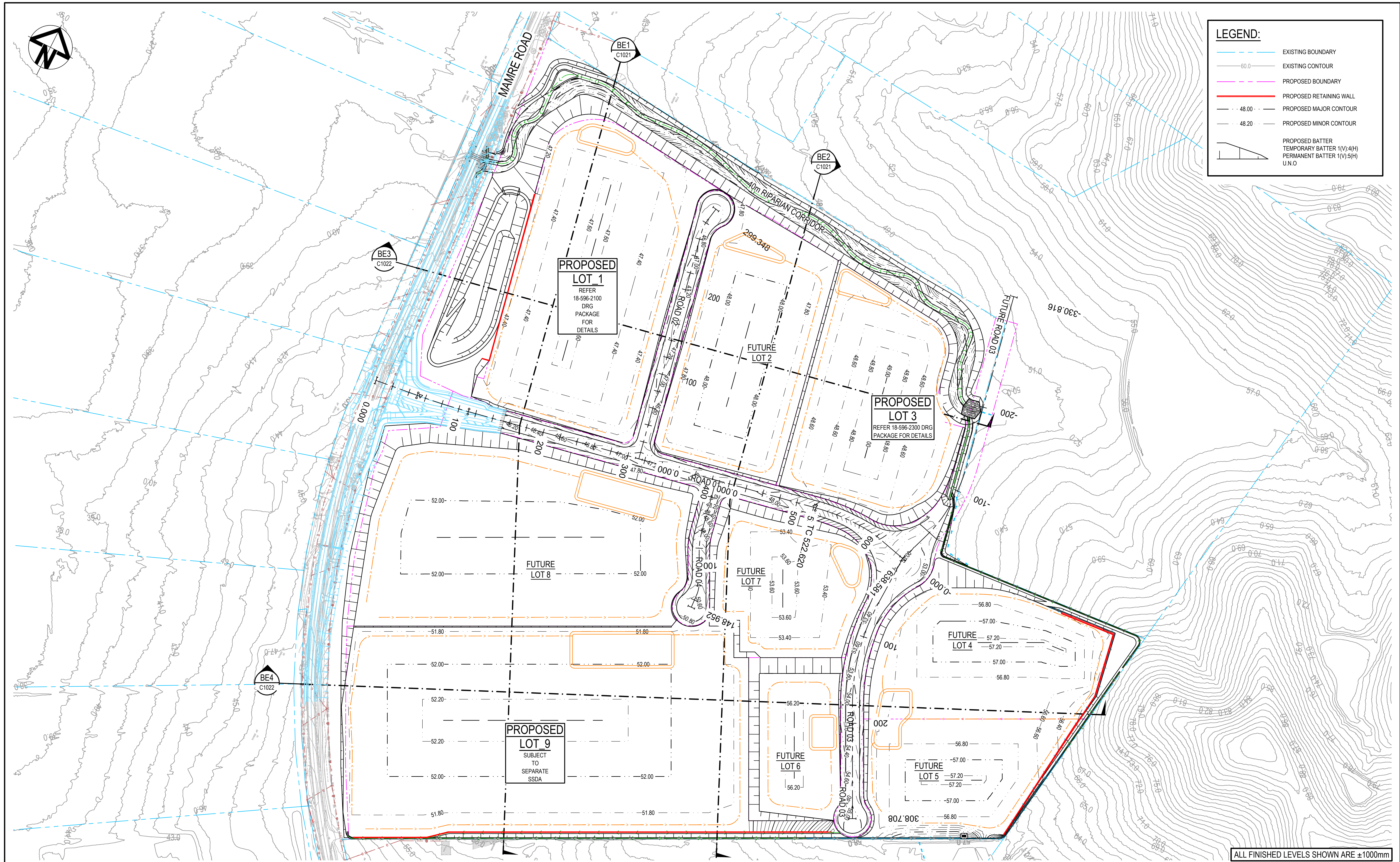


Scales	1:100	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM

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

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	18-596-C1013	Issue B





K	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
J	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
H	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
F	ISSUED FOR DEVELOPMENT APPLICATION	10-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
Issue	Description	Date

Bar Scales



1 : 2000 @ A1

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Project  
**ASPECT INDUSTRIAL ESTATE  
MAMRE ROAD,  
KEMPS CREEK  
STAGE 1**

Title  
**BULK EARTHWORKS  
CONTOUR PLAN**

Civil Engineers and Project Managers

**at&l**

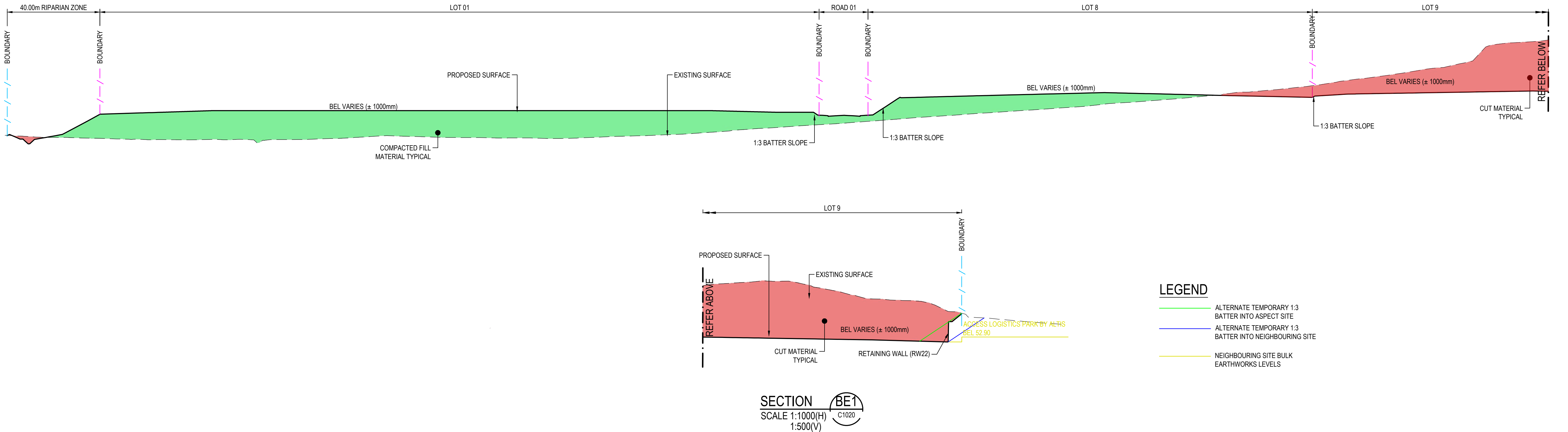
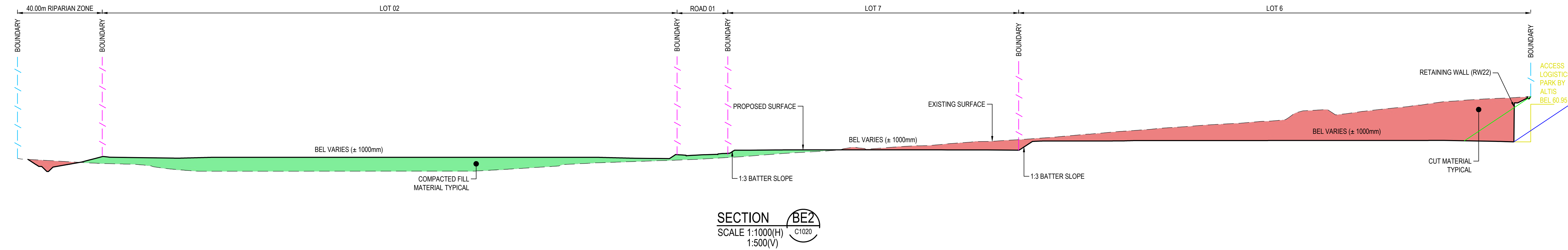
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

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

Project - Drawing No.  
**18-596-C1020**

Issue  
**K**

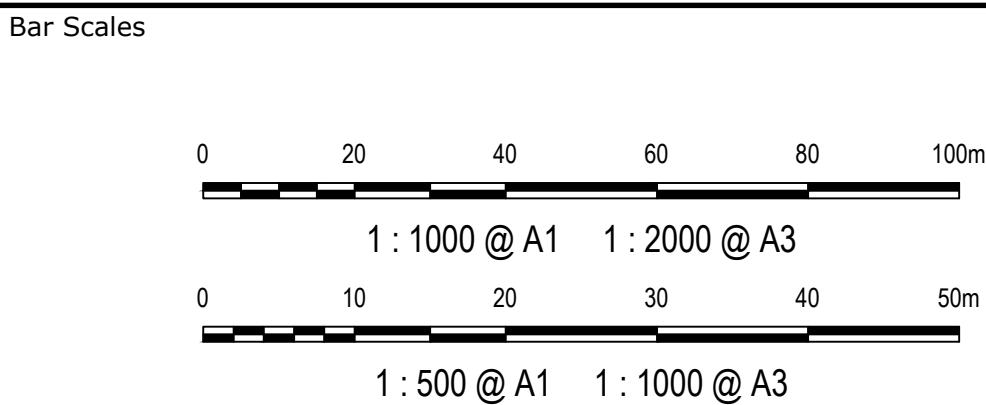




- LEGEND**
- ALTERNATE TEMPORARY 1:3 BATTER INTO ASPECT SITE
  - ALTERNATE TEMPORARY 1:3 BATTER INTO NEIGHBOURING SITE
  - NEIGHBOURING SITE BULK EARTHWORKS LEVELS

ALL FINISHED LEVELS SHOWN ARE ±1000mm

M	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
L	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
K	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
J	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
H	ISSUED FOR DEVELOPMENT APPLICATION	16-02-22
G	ISSUED FOR DEVELOPMENT APPLICATION	11-02-22
F	ISSUED FOR DEVELOPMENT APPLICATION	10-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
Issue	Description	Date



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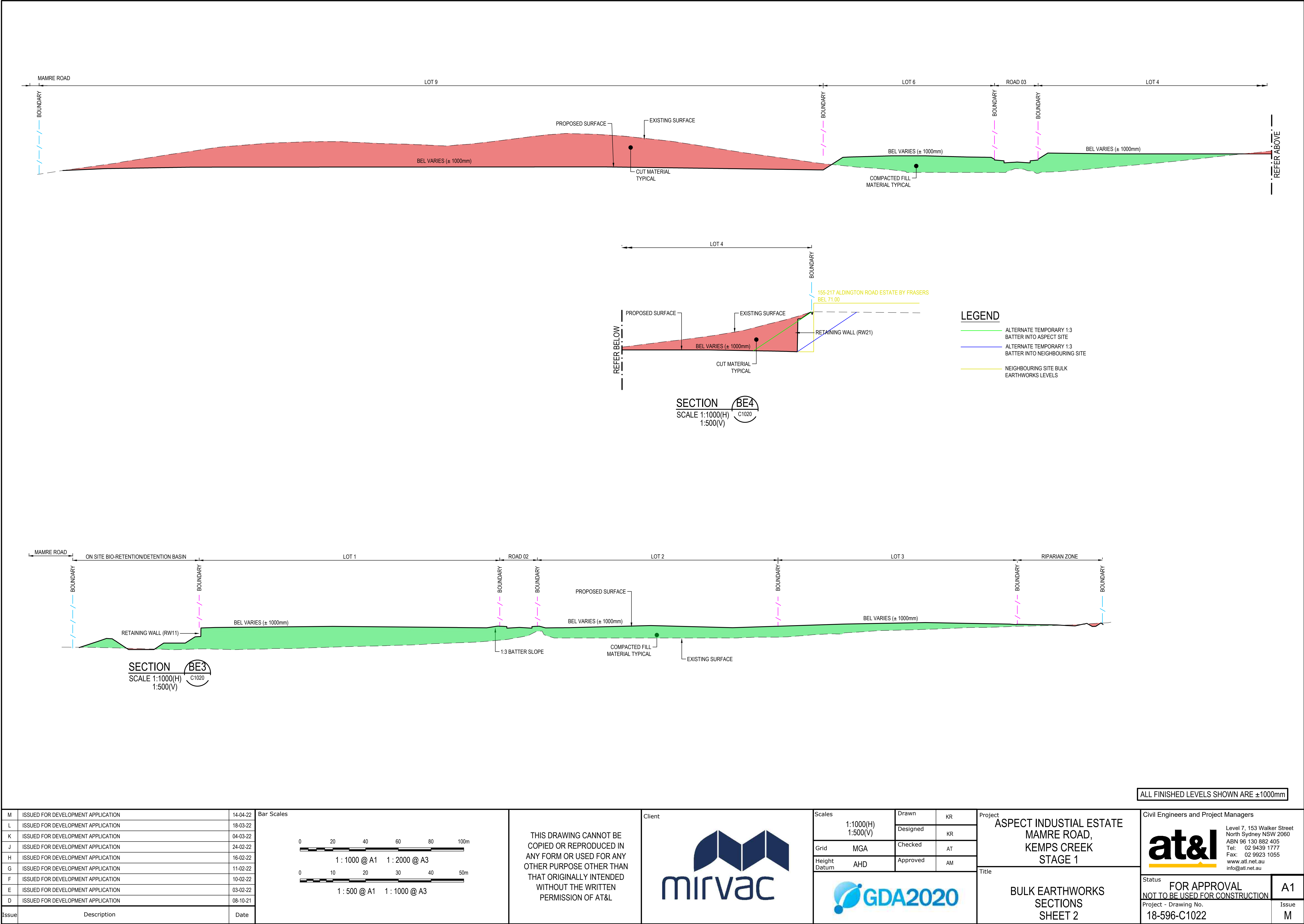


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Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM
GDA2020			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS SECTIONS SHEET 1

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	18-596-C1021	Issue M

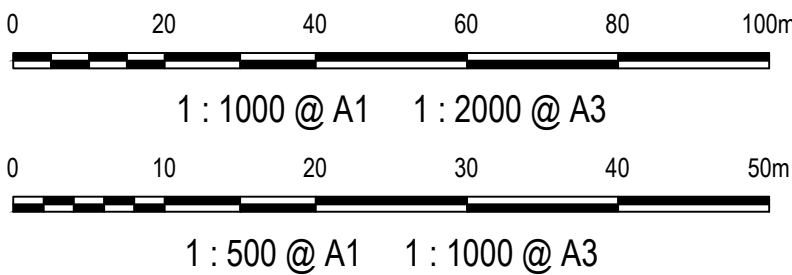




ALL FINISHED LEVELS SHOWN ARE ±1000mm

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L	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
K	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
J	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
H	ISSUED FOR DEVELOPMENT APPLICATION	16-02-22
G	ISSUED FOR DEVELOPMENT APPLICATION	11-02-22
F	ISSUED FOR DEVELOPMENT APPLICATION	10-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
Issue	Description	Date

Bar Scales



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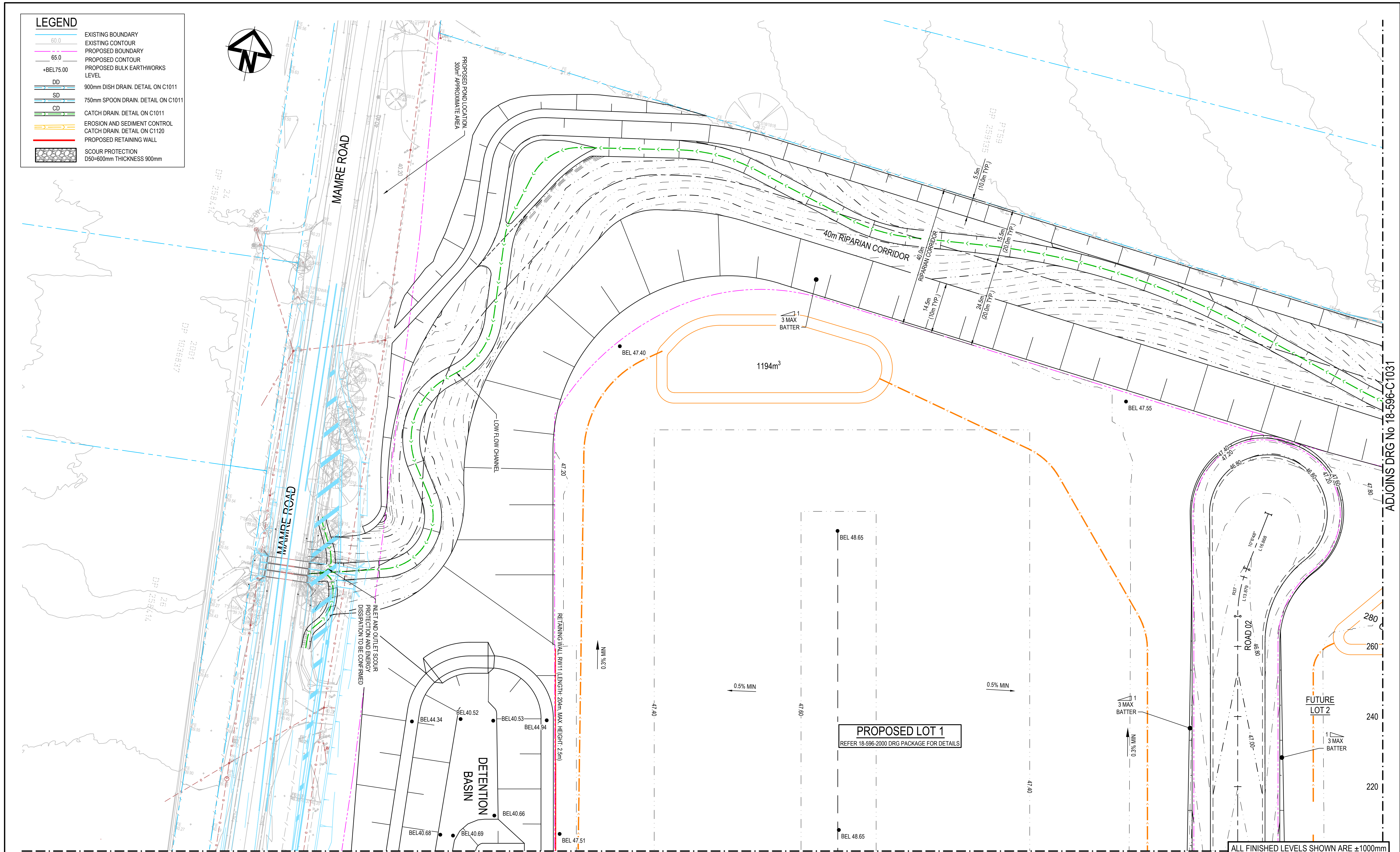
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS SECTIONS SHEET 2

Civil Engineers and Project Managers		
<b>at&amp;l</b>		
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.	18-596-C1022	Issue M

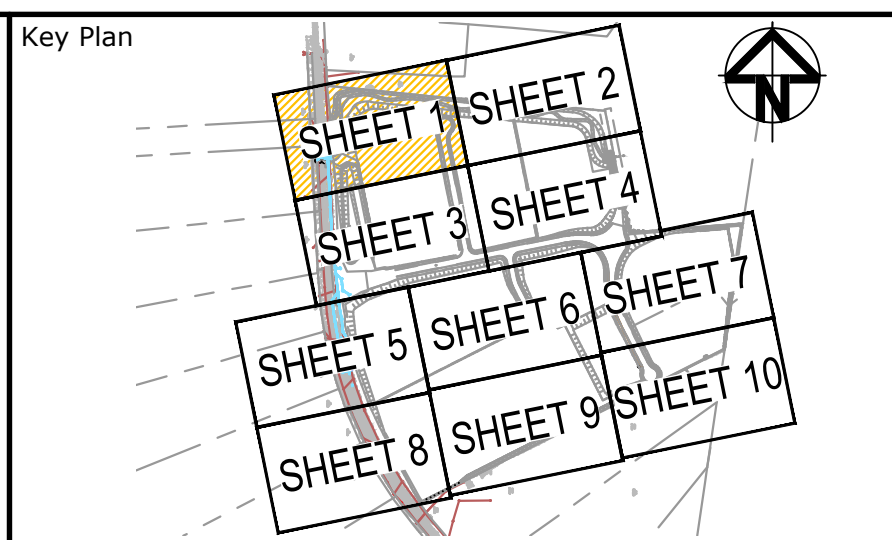
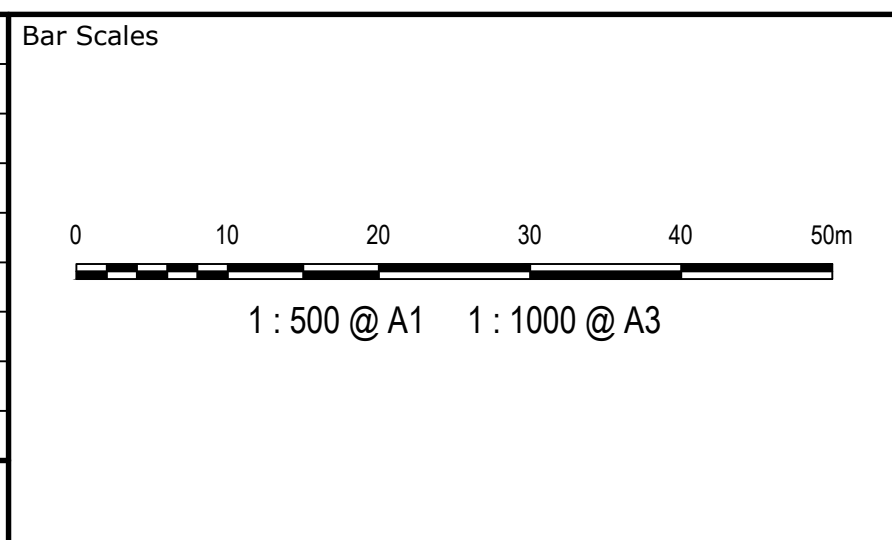








J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

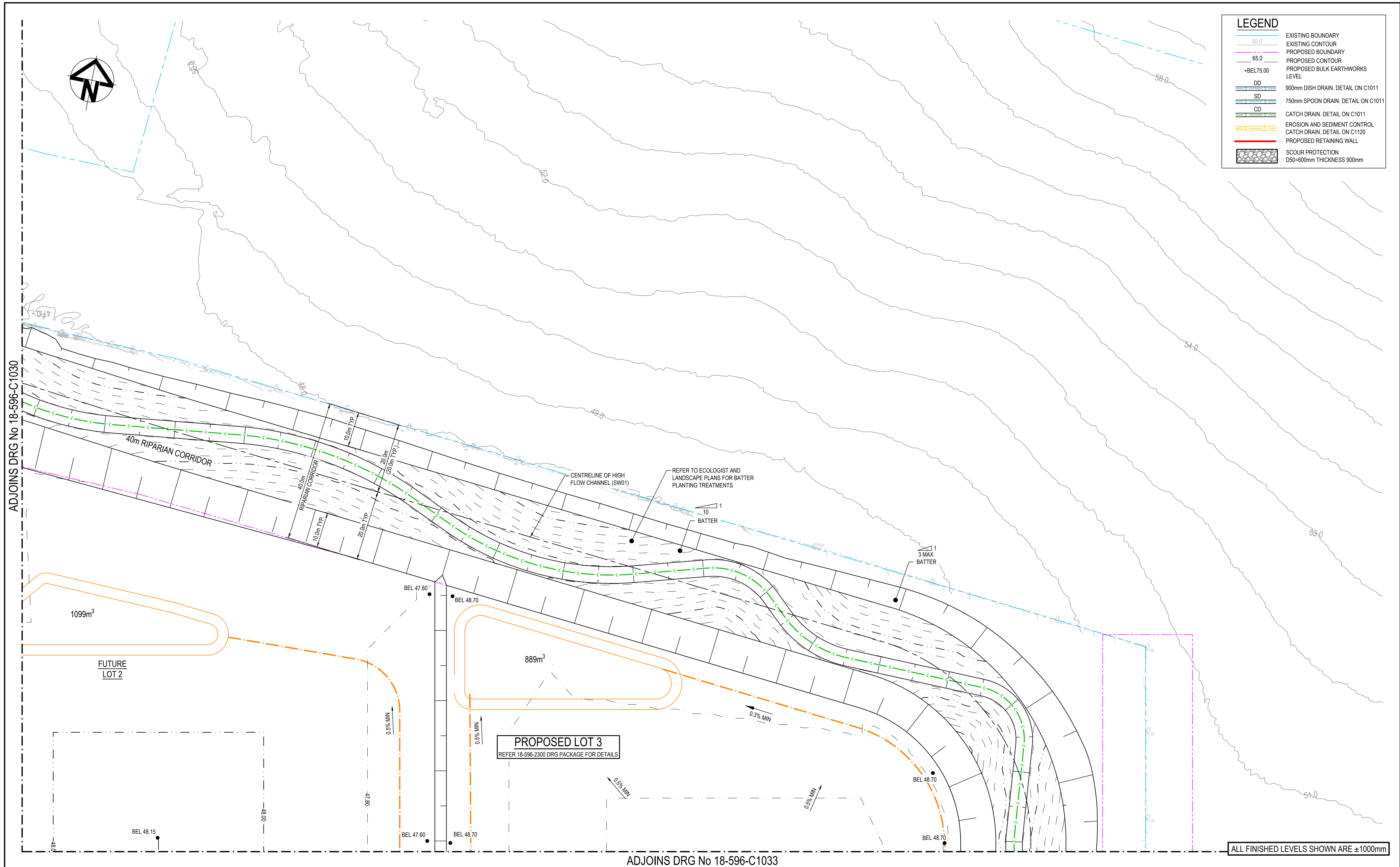


Scales	1:500	Drawn	KR
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		Approved	AM
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<b>GDA2020</b>			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 1

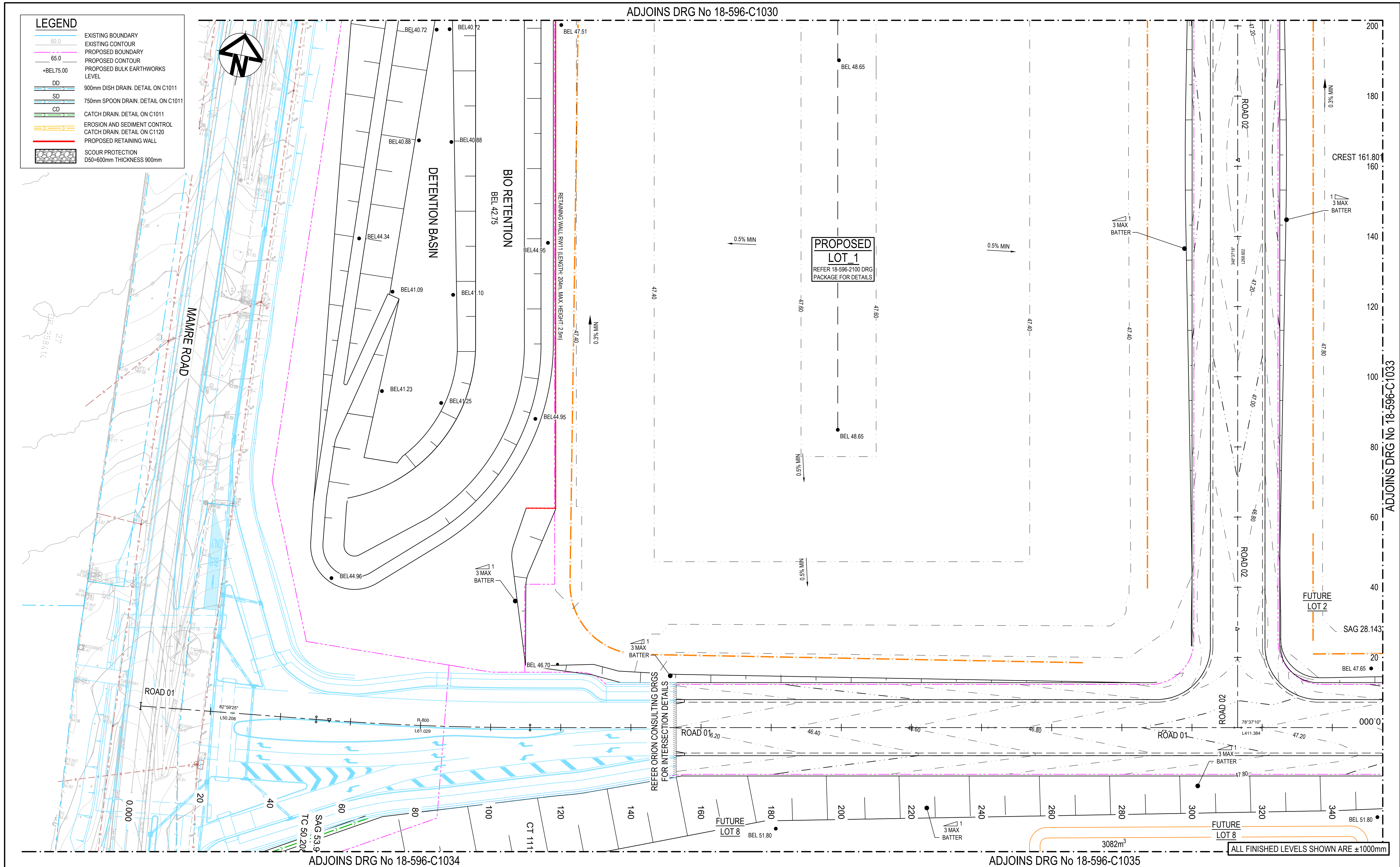
Civil Engineers and Project Managers	<b>at&amp;i</b>	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	18-596-C1030	Issue
		J



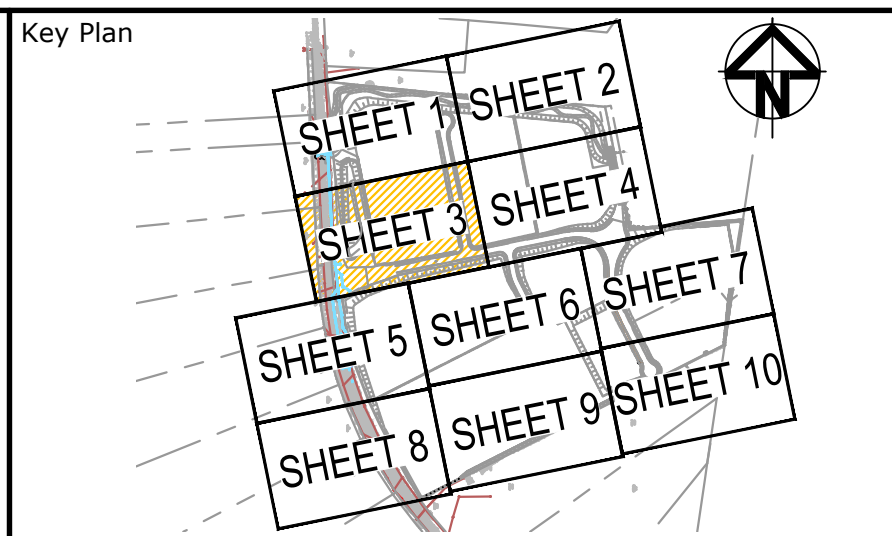
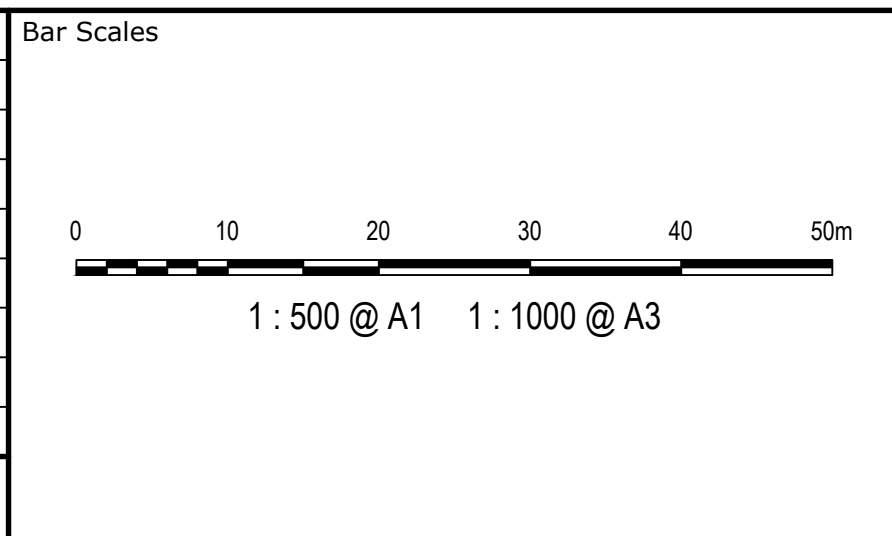


J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22	<div>Bar Scales</div> <div><div><div>0</div><div>10</div><div>20</div><div>30</div><div>40</div><div>50m</div></div><div>1 : 500 @ A1   1 : 1000 @ A3</div></div>	<div>Key Plan</div> <div><div><div>SHEET 1</div><div>SHEET 2</div><div>SHEET 3</div><div>SHEET 4</div><div>SHEET 5</div><div>SHEET 6</div><div>SHEET 7</div><div>SHEET 8</div><div>SHEET 9</div><div>SHEET 10</div></div></div>	<div>Client</div> <div><div>mirvac</div></div>	<div>Scales</div> <div>1:500</div> <div>Grid MGA</div> <div>Height Datum AHD</div> <div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;I</div> <div><div>GDA2020</div></div>	<div>Drawn</div> <div>KR</div> <div>Designed KR</div> <div>Checked AT</div> <div>Approved AM</div>	<div>Project</div> <div>ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1</div>	<div>Civil Engineers and Project Managers</div> <div><div>at&amp;i</div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div>	<div>Status</div> <div>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div>	<div>Issue</div> <div>J</div>
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22									
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22									
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22									
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22									
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21									
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20									
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20									
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20									
Issue	Description	Date									





J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

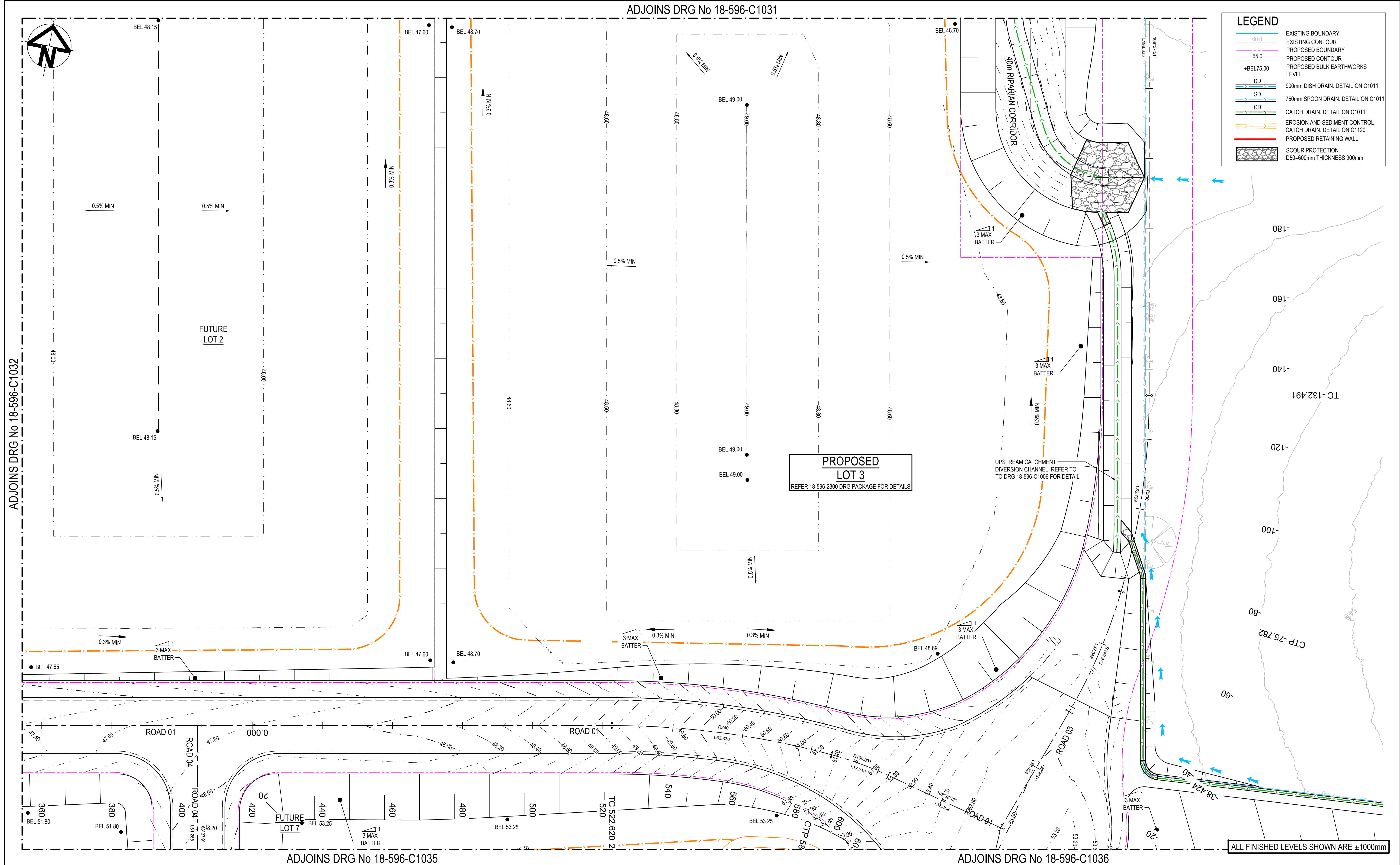


Scales	1:500	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			
GDA2020			

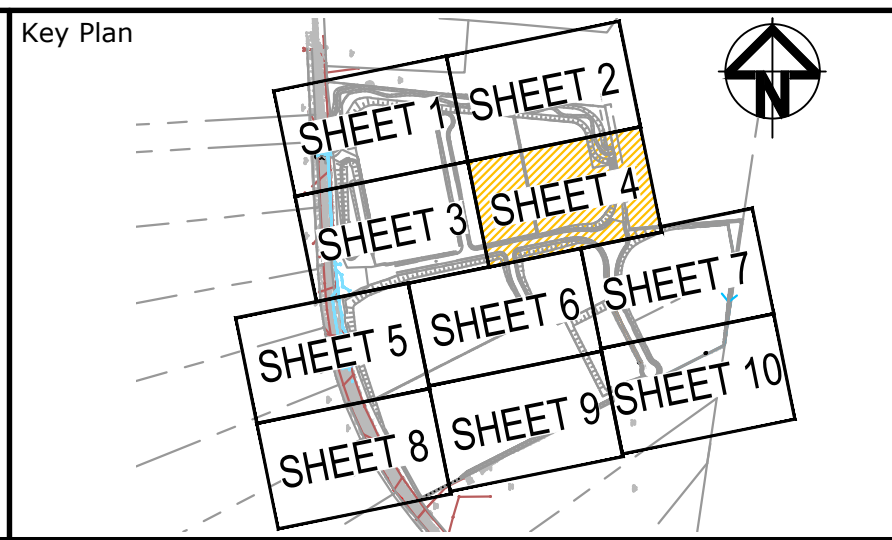
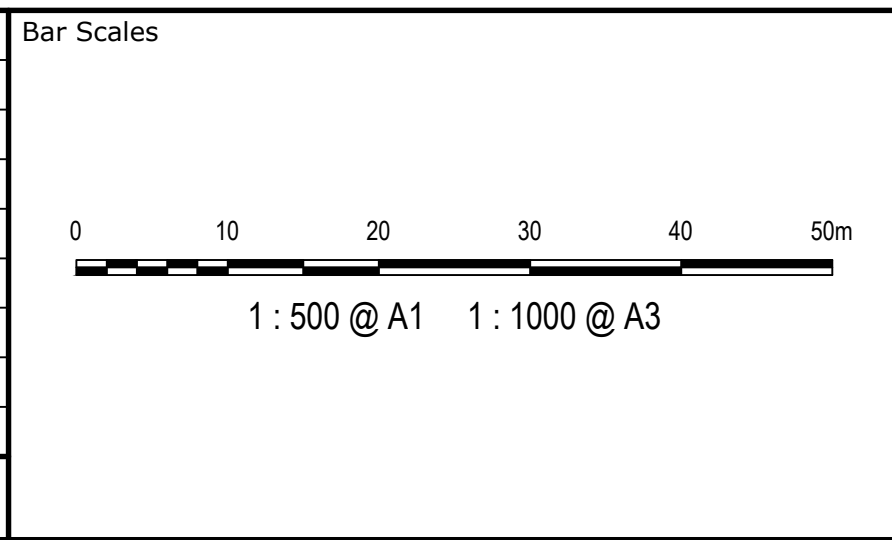
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 3

Civil Engineers and Project Managers	
at&l	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
Project - Drawing No.	18-596-C1032
Issue	J





J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



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

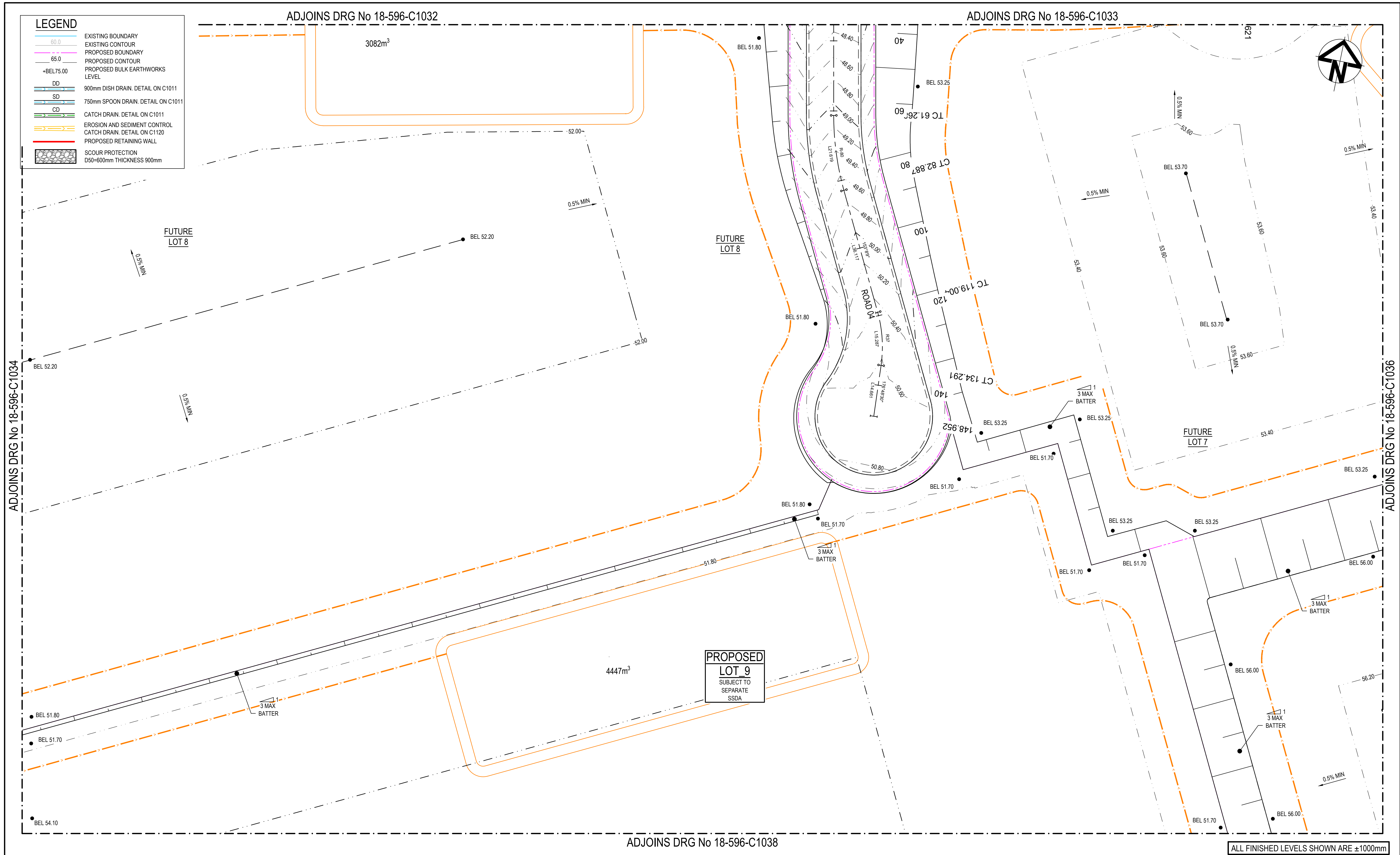
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 4

Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	18-596-C1033
Issue	J

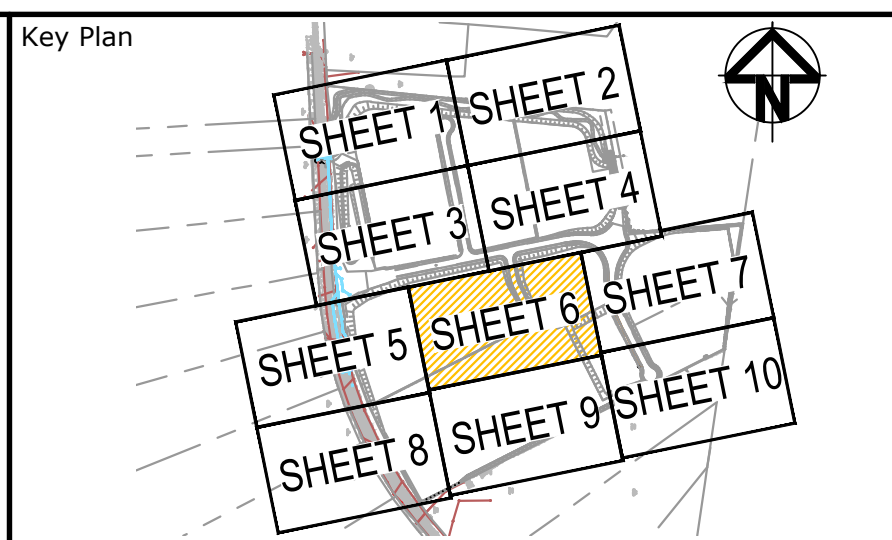
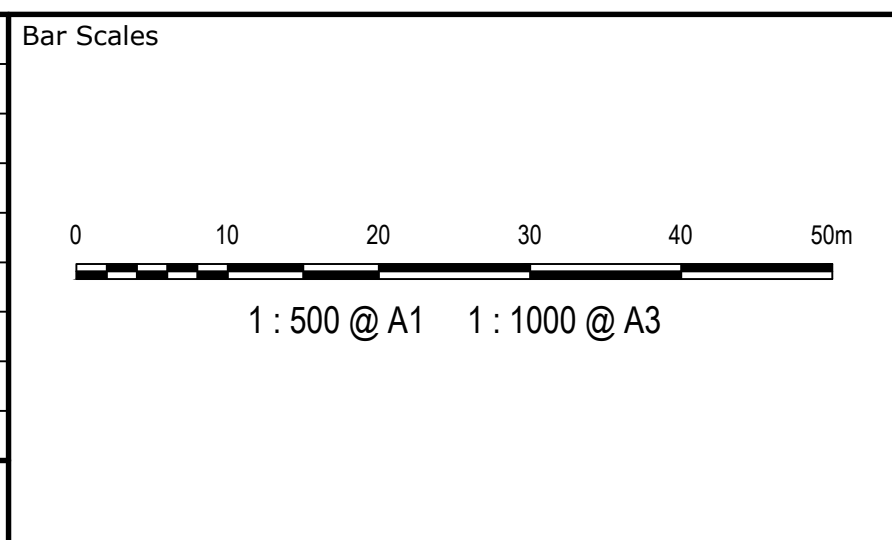








J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date




Scales	1:500	Drawn	KR
Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM

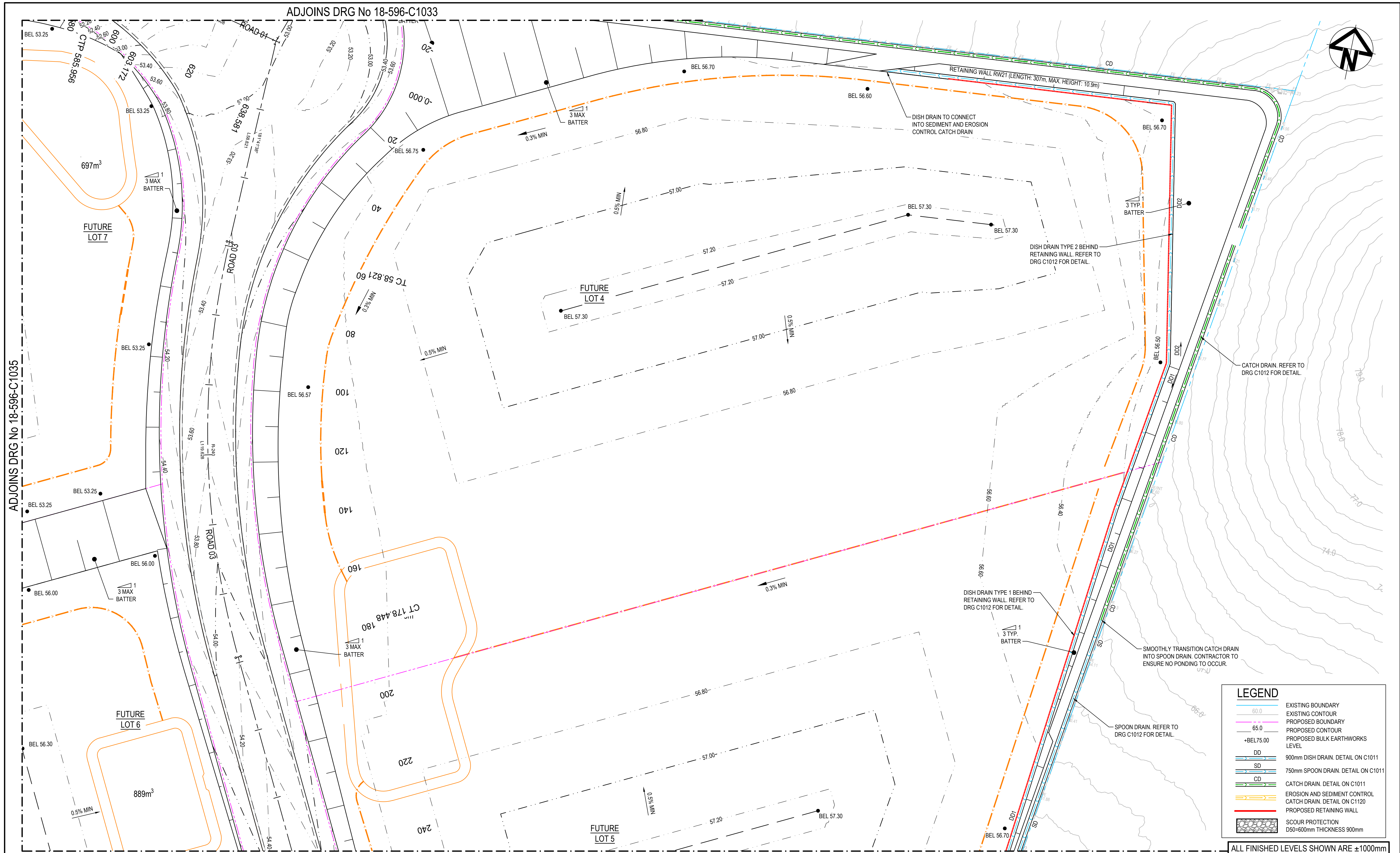
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

GDA2020

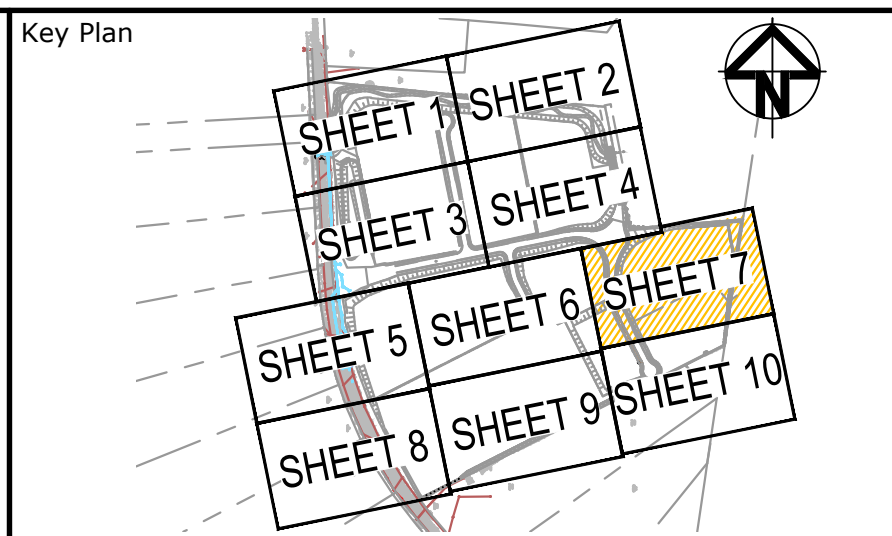
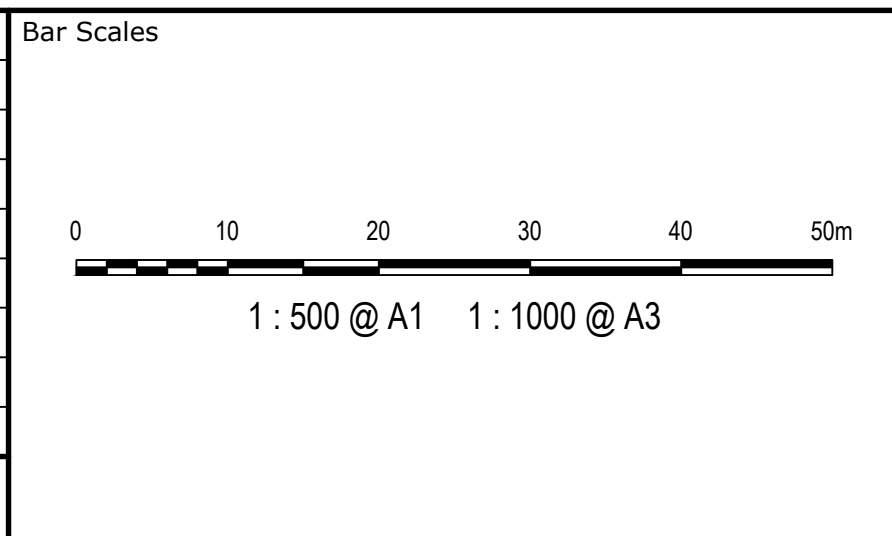
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 6

Civil Engineers and Project Managers		
	Level 7, 153 Walker Street North Sydney NSW 2060	
	ABN 96 130 882 405	
	Tel: 02 9439 1777	
	Fax: 02 9923 1055	
	www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.		Issue
18-596-C1035		J





J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



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

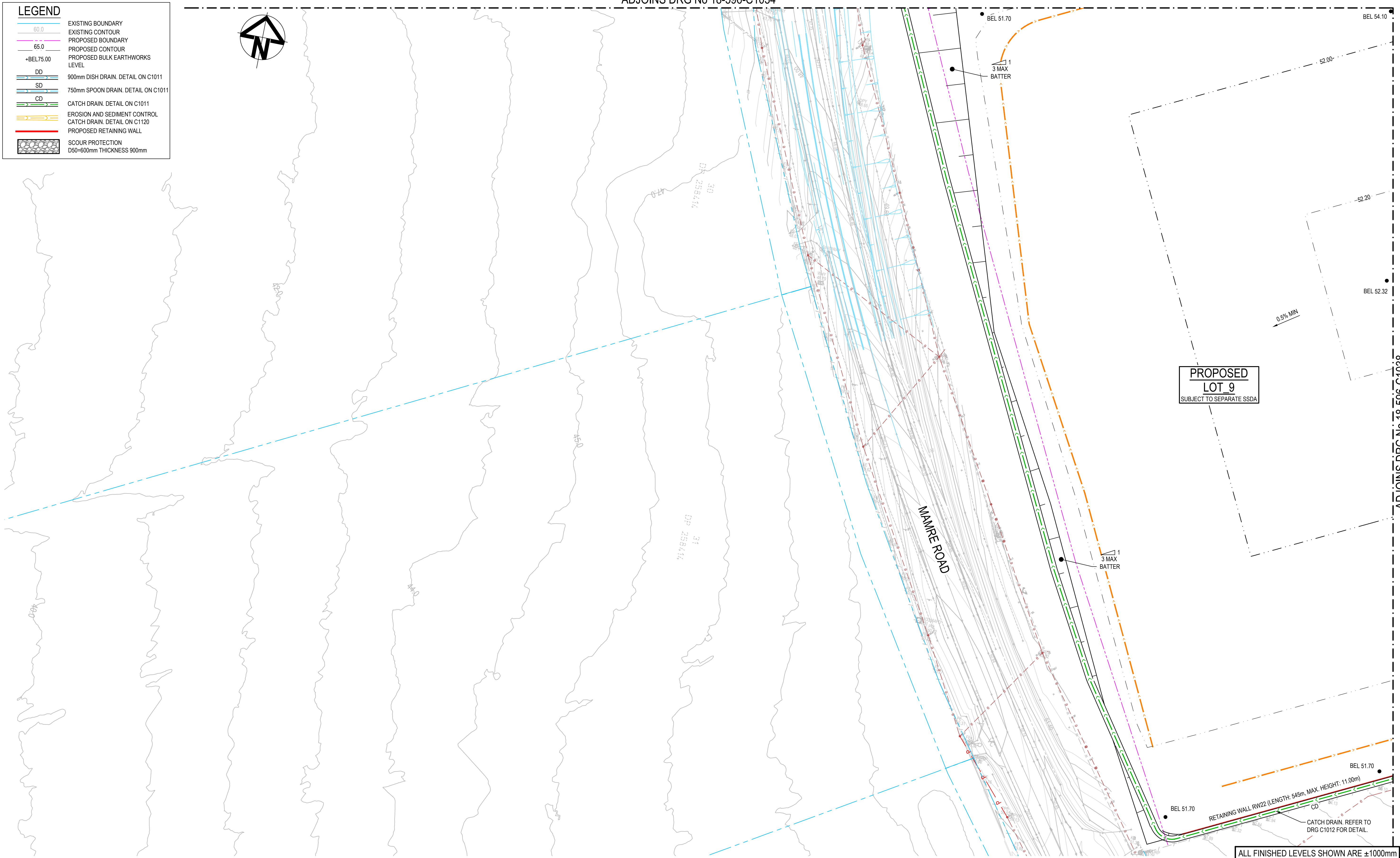
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 7

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.	18-596-C1036
Issue	J

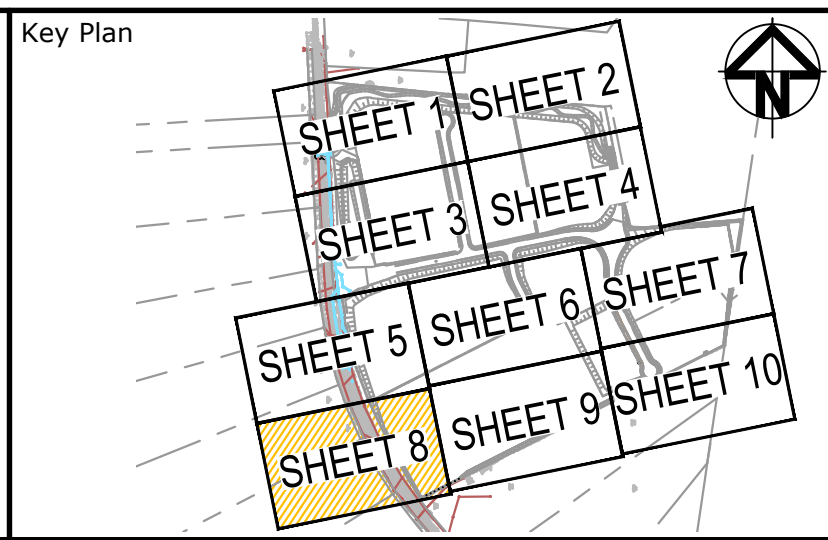
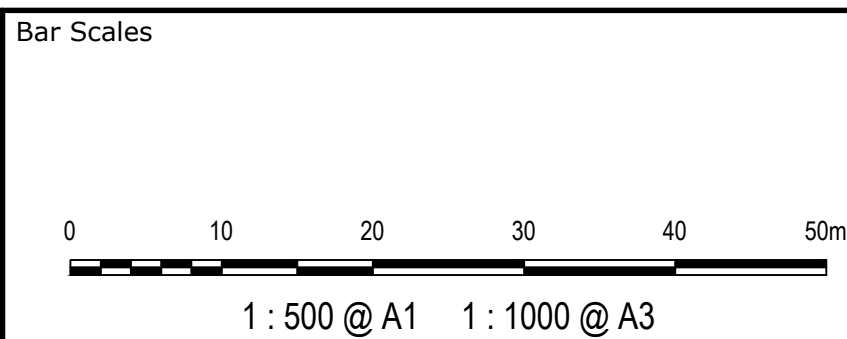


**LEGEND**

- EXISTING BOUNDARY
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- +BEL75.00
- DD 900mm DISH DRAIN. DETAIL ON C1011
- SD 750mm SPOON DRAIN. DETAIL ON C1011
- CD CATCH DRAIN. DETAIL ON C1011
- EROSION AND SEDIMENT CONTROL
- CATCH DRAIN. DETAIL ON C1120
- PROPOSED RETAINING WALL
- SCOUR PROTECTION D50=600mm THICKNESS 900mm



J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



Scales	1:500	Drawn	KR
Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM
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			
GDA2020			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 8

Civil Engineers and Project Managers	
at&l	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	18-596-C1037
Issue	J





100mm on Original



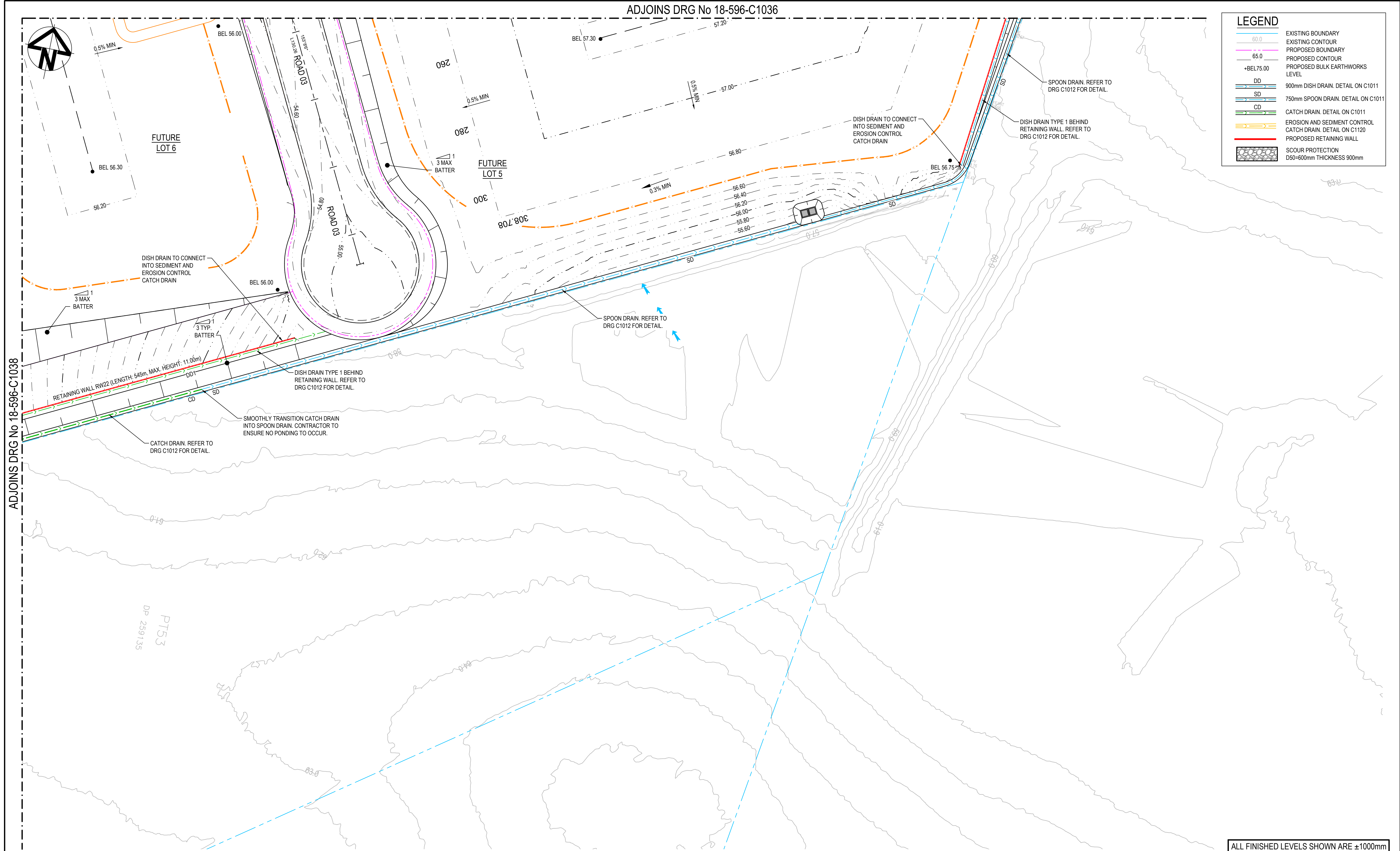
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM  
OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY  
INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



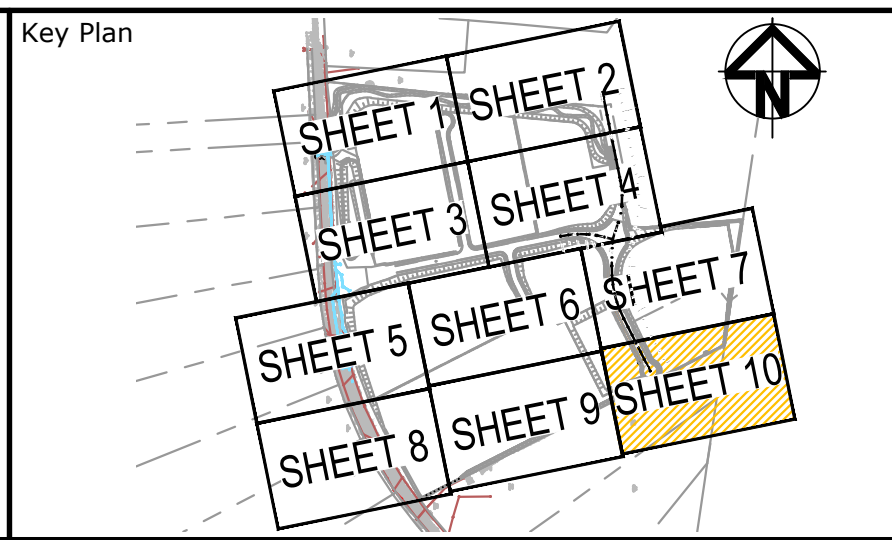
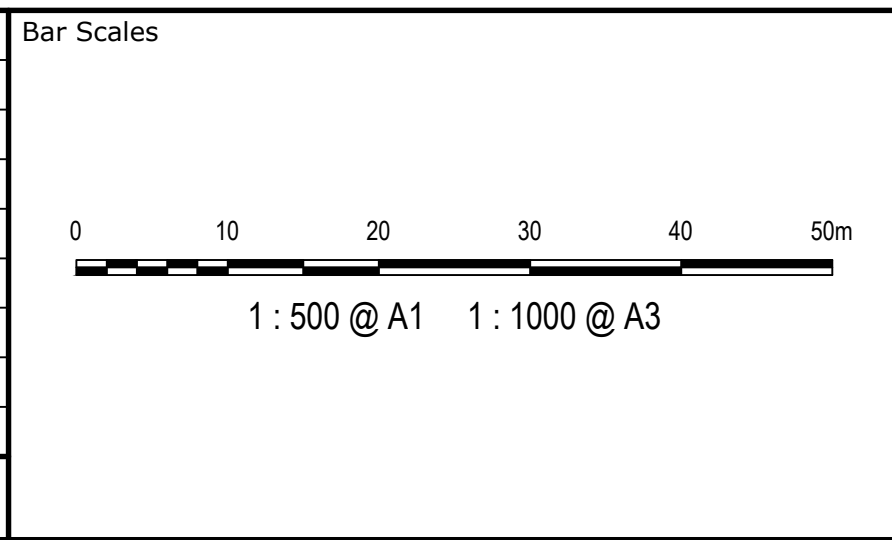
M Y	Title
	<p style="text-align: center;">BULK EARTHWORKS PLAN SHEET 9</p>

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
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J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

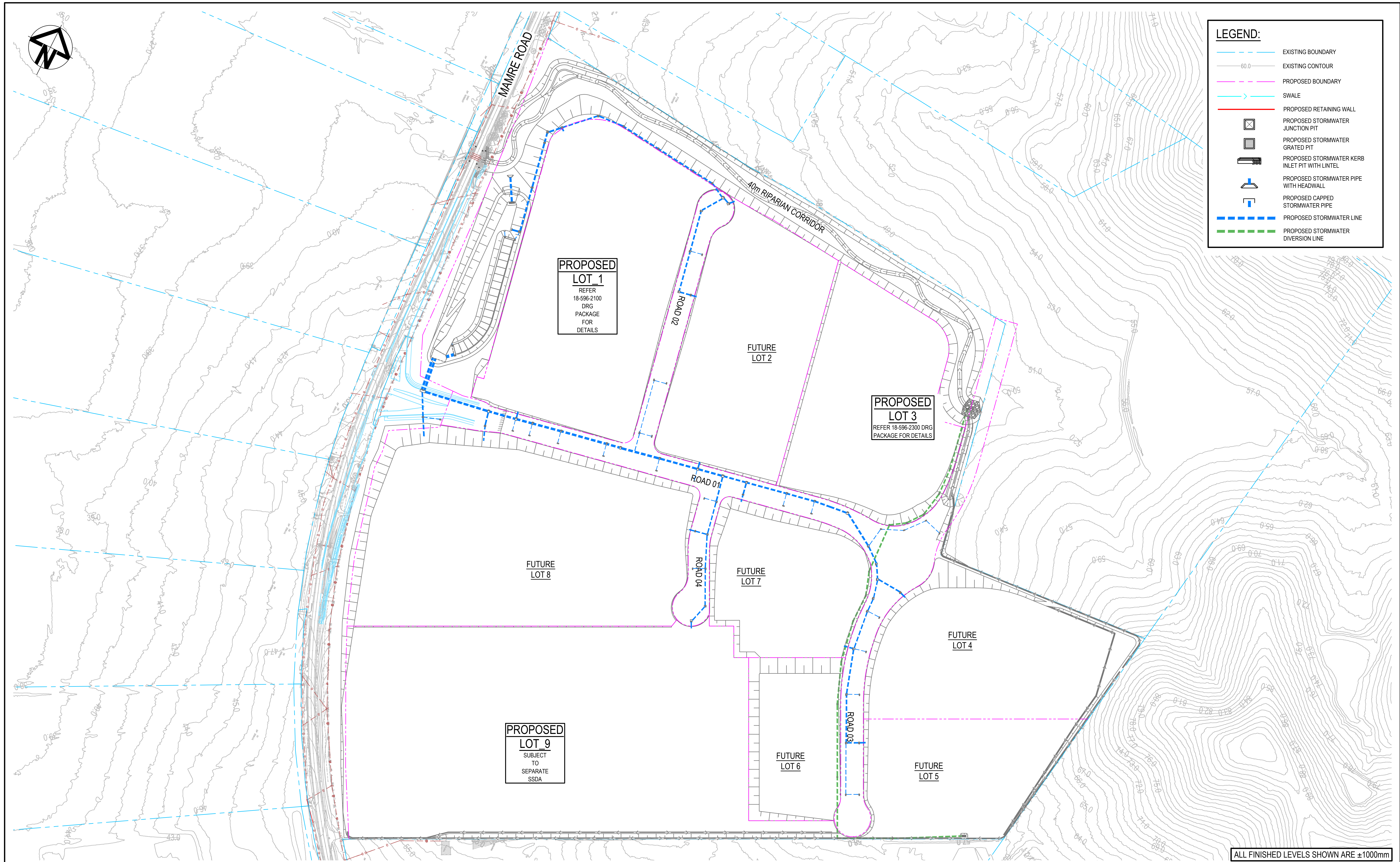


Scales	1:500	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	BULK EARTHWORKS PLAN SHEET 10

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.	18-596-C1039	Issue J





J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

Bar Scales
0 50 100 150 200m
1 : 2000 @ A1

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



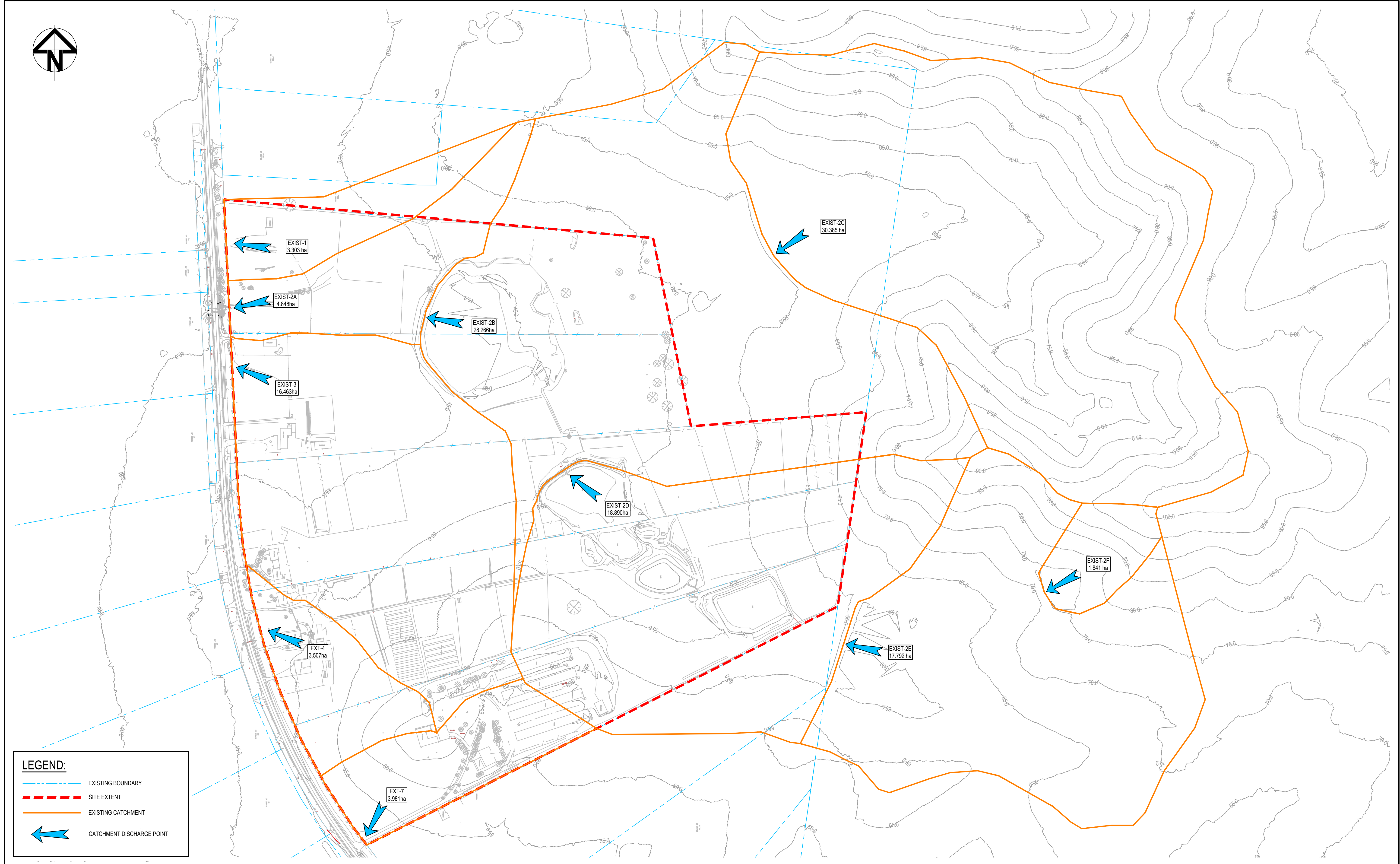
Scales	1:2000	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM

The logo for GDA2020, featuring a stylized blue sphere with a white dot and a curved line, followed by the text "GDA2020" in a bold, blue, sans-serif font.

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	STORMWATER DRAINAGE OVERALL PLAN

Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	18-596-C1040
Issue	J





**LEGEND:**

- EXISTING BOUNDARY
- SITE EXTENT
- EXISTING CATCHMENT
- CATCHMENT DISCHARGE POINT

J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

Bar Scales

0 50 100 150 200 250m

1 : 2500 @ A1

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

Client

**mirvac**

Scales

1:2500

Grid MGA

Height Datum AHD

Drawn KR

Designed KR

Checked AT

Approved AM

**GDA2020**

Project

ASPECT INDUSTRIAL ESTATE  
MAMRE ROAD,  
KEMPS CREEK  
STAGE 1

Title

STORMWATER DRAINAGE  
CATCHMENT  
PLAN  
(PRE-DEVELOPED)

Civil Engineers and Project Managers

**at&l**

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

Status

FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

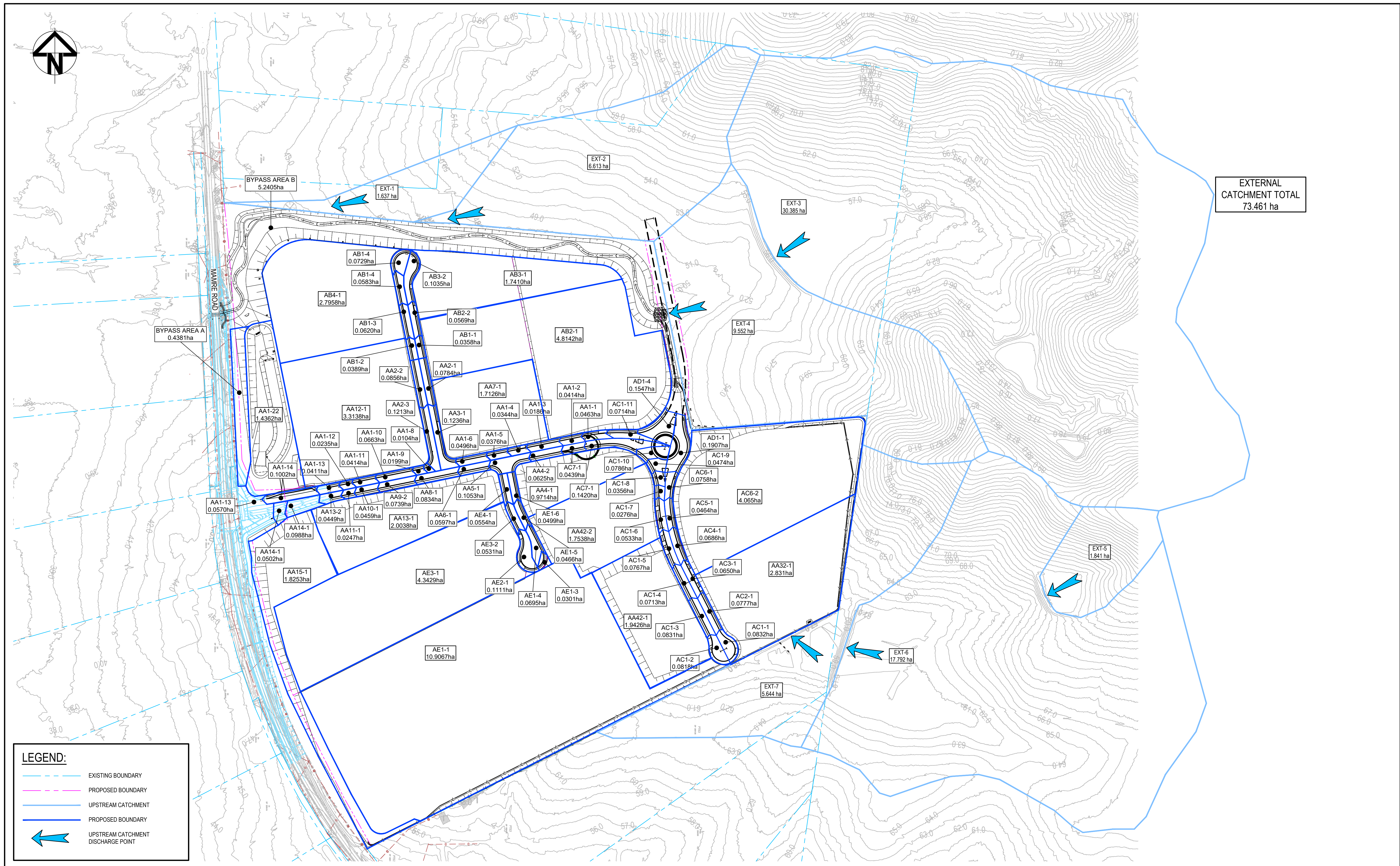
18-596-C1045

Issue

J

A1



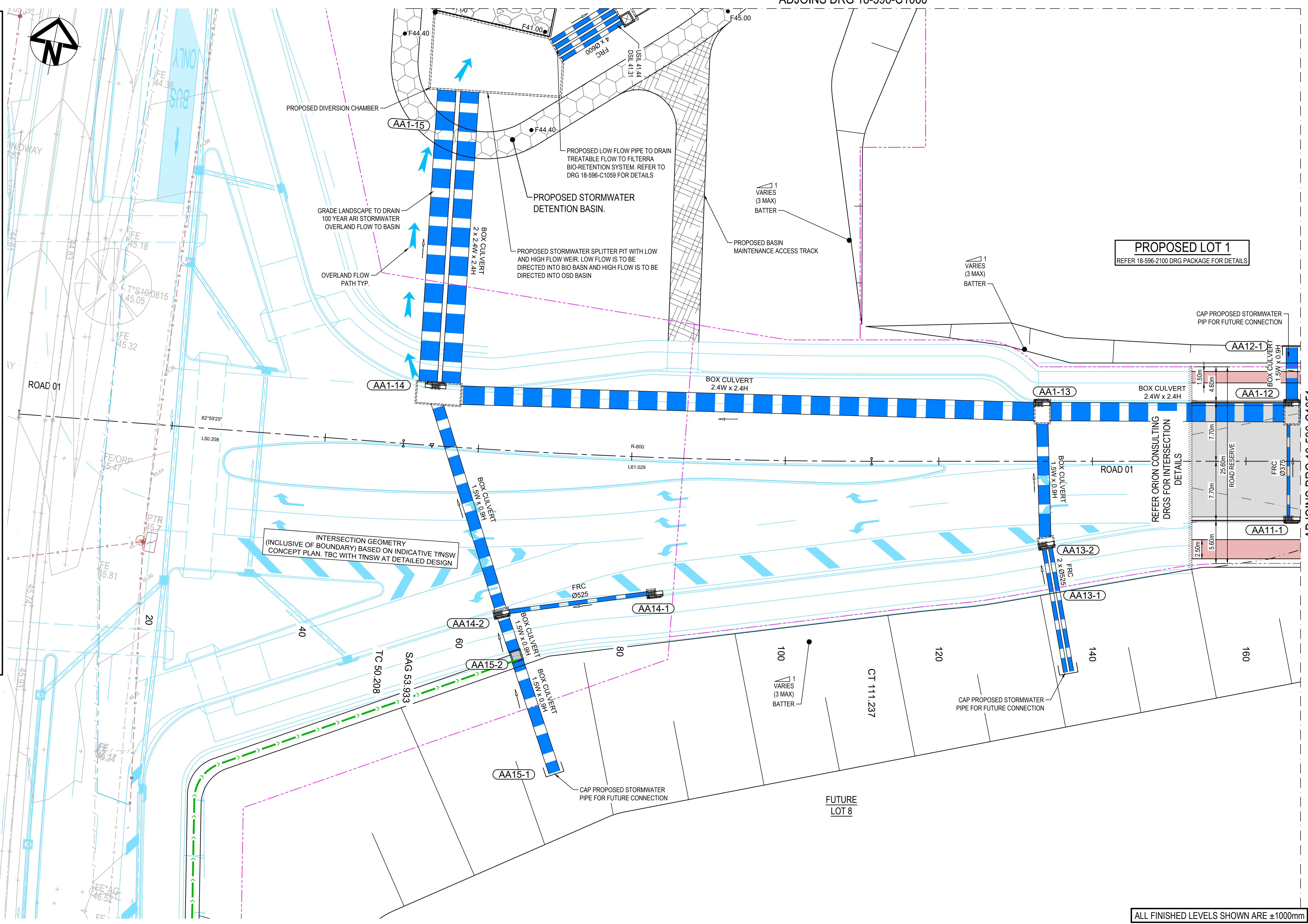


J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22	<div>Bar Scales</div> <div><div><div>0100150200250m</div><div>1 : 2500 @ A1</div></div></div>	<div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</div>	<div>Client</div> <div><div><div></div><div>mirvac</div></div></div>	<div>Scales</div> <div>1:2500</div> <div>Grid</div> <div>MGA</div> <div>Height Datum</div> <div>AHD</div> <div><div><div></div><div>GDA2020</div></div></div>	<div>Drawn</div> <div>KR</div> <div>Designed</div> <div>KR</div> <div>Checked</div> <div>AT</div> <div>Approved</div> <div>AM</div>	<div>Project</div> <div>ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1</div>	<div>Civil Engineers and Project Managers</div> <div><div><div>at&amp;l</div></div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div>	<div>Status</div> <div>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div>	<div>Issue</div> <div>J</div>
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22									
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22									
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22									
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22									
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B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20									
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20									
Issue	Description	Date									

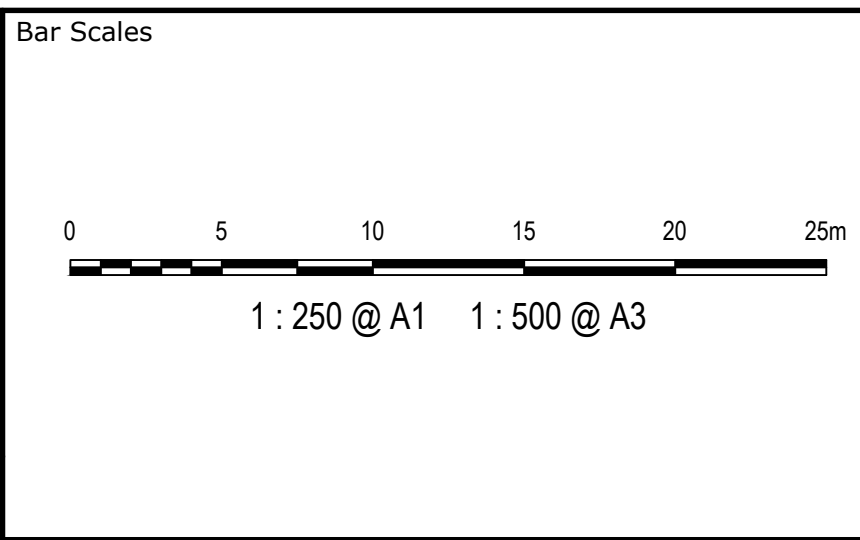


**LEGEND:**

- EXISTING BOUNDARY
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER STAGE 1A WORKS
- TEMPORARY BATTER 1(V):4(H)
- PERMANENT BATTER 1(V):5(H)
- U.N.O
- PROPOSED MOUNTABLE KERB TO PCC SPECIFICATION
- PROPOSED KERB AND GUTTER TO PCC SPECIFICATION
- PROPOSED DRIVEWAY LAYBACK
- PROPOSED KERB RAMP
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED CAPPED STORMWATER PIPE
- PROPOSED STORMWATER LINE
- PROPOSED INDUSTRIAL ROAD PAVEMENT TO PCC SPECIFICATION
- PROPOSED FOOTPATH PAVEMENT TO PCC SPECIFICATION
- PROPOSED INDUSTRIAL DRIVEWAY PAVEMENT TO PCC SPECIFICATION
- CUL-DE-SEC ROUNDABOUT PAVEMENT
- MAINTENANCE ACCESS TRACK
- BASIN MAINTENANCE DRIVEWAY
- REINFORCED CONCRETE WIER
- LANDSCAPED MEDIAN
- CONCRETE MEDIAN



J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
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C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



Scales	1:250	Drawn	KR
Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM
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			
GDA2020			

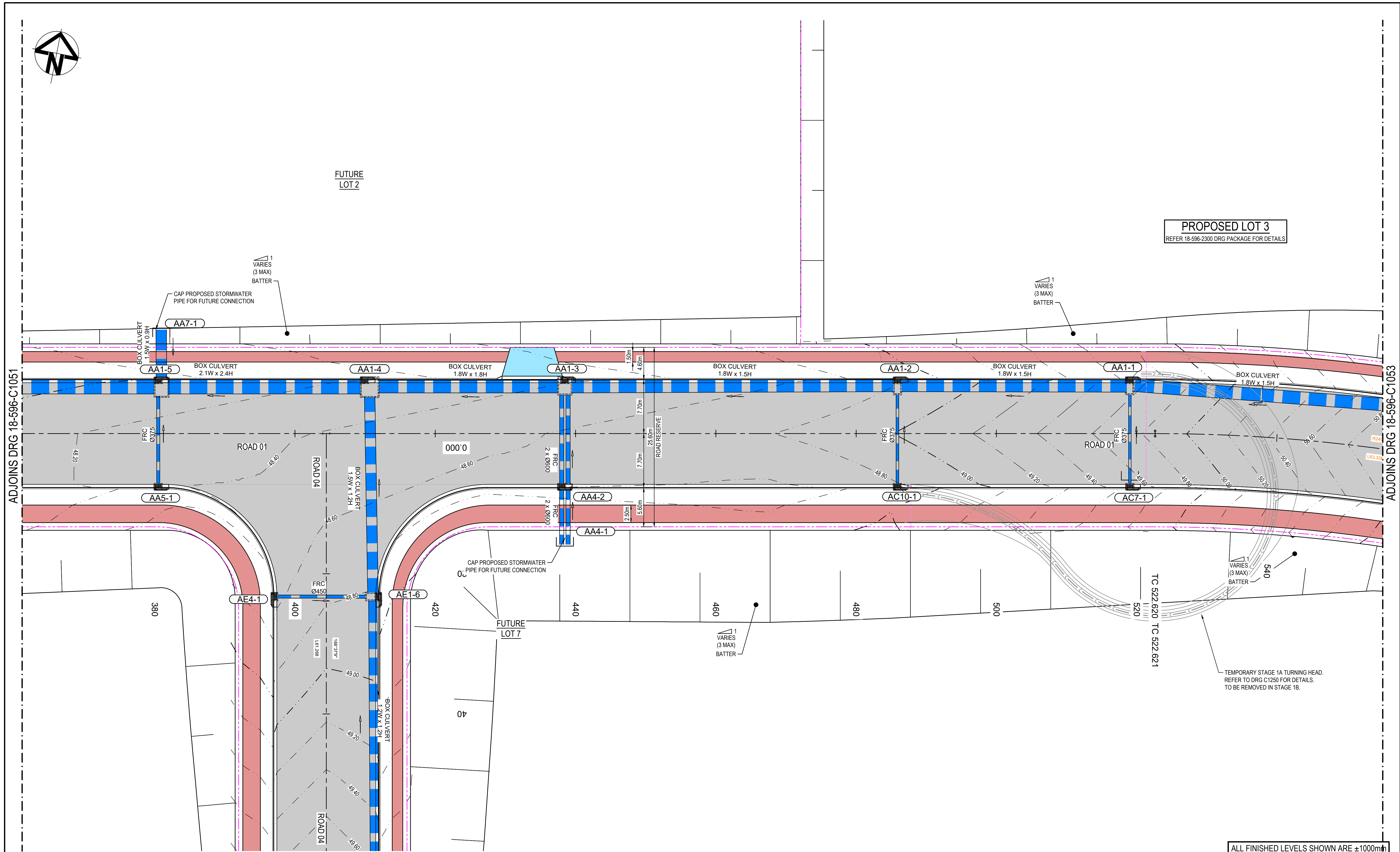
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 1

Civil Engineers and Project Managers	
at&l	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	18-596-C1050
Issue	J



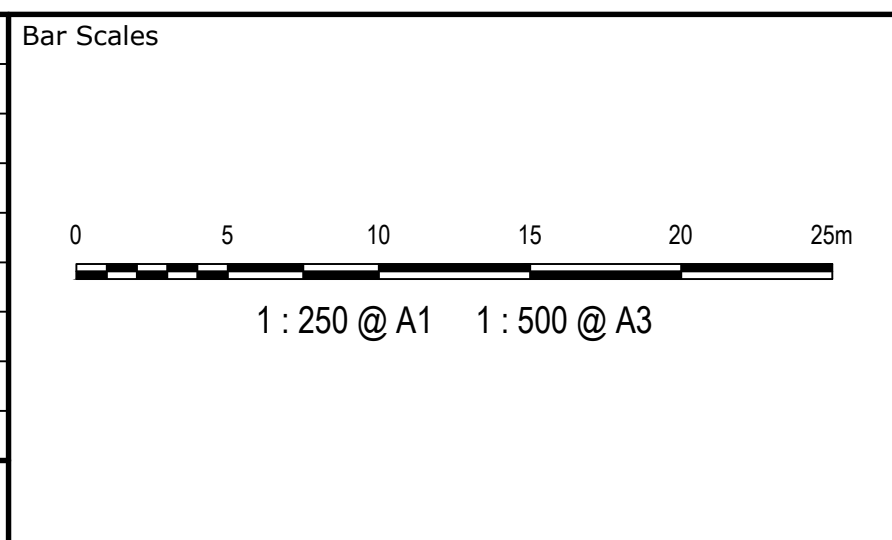






ALL FINISHED LEVELS SHOWN ARE  $\pm 1000\text{m}$

J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
F	ISSUED FOR DEVELOPMENT APPLICATION	24-02-22
E	ISSUED FOR DEVELOPMENT APPLICATION	03-02-22
D	ISSUED FOR DEVELOPMENT APPLICATION	08-10-21
C	ISSUED FOR DEVELOPMENT APPLICATION	15-10-20
B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



Scales	1:250	Drawn	KR
Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM
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Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	ROADWORKS 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
Project - Drawing No.	18-596-C1052
Issue	J





100mm on Original

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



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	Drawn	KR
	Designed	KR
	Checked	AT
	Approved	AM

RM LLY	Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 4

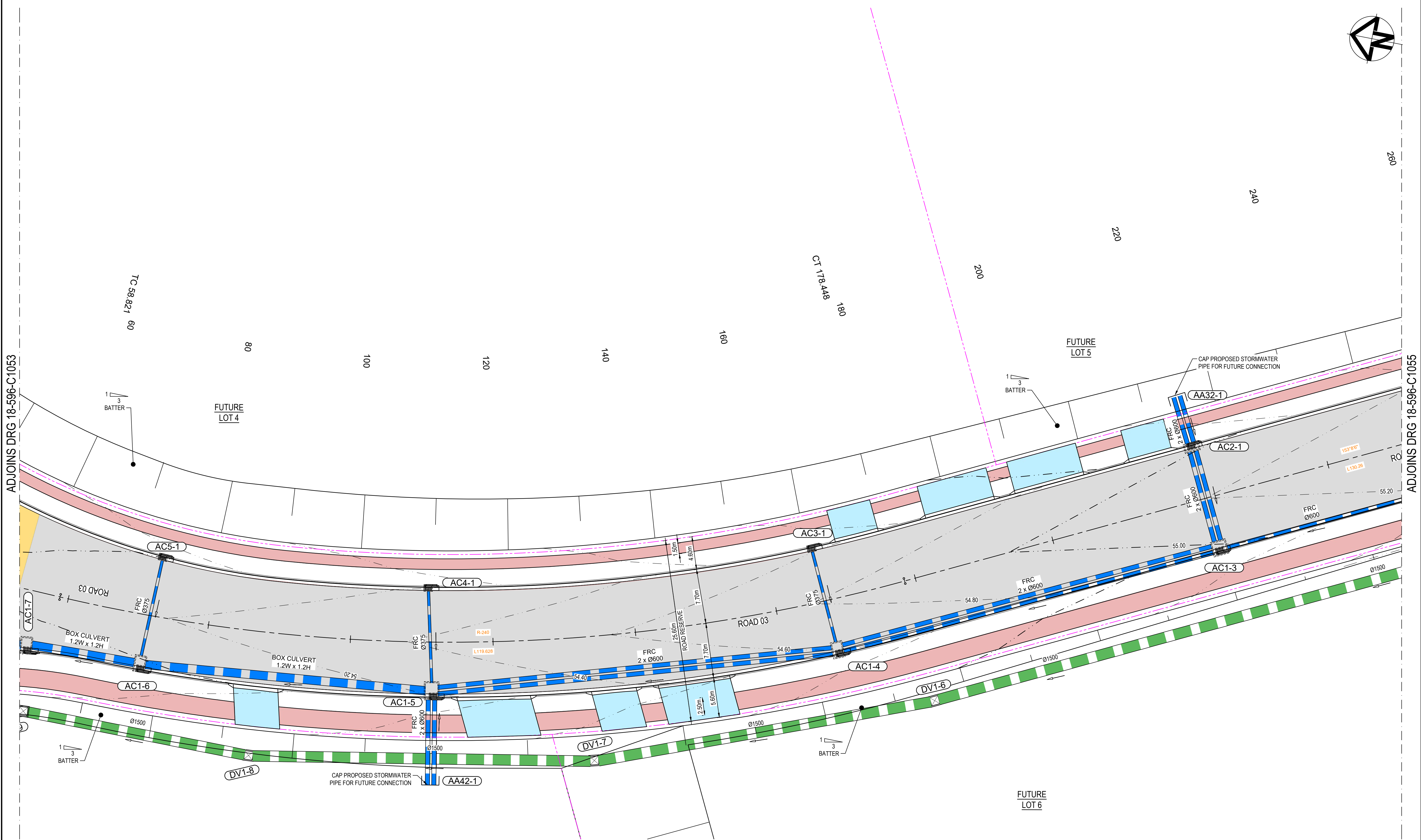
**at&l**

A1
Issue



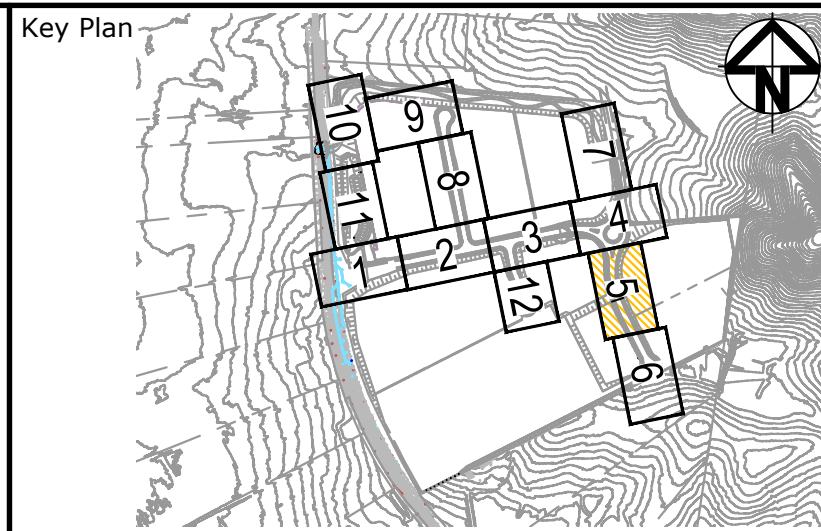
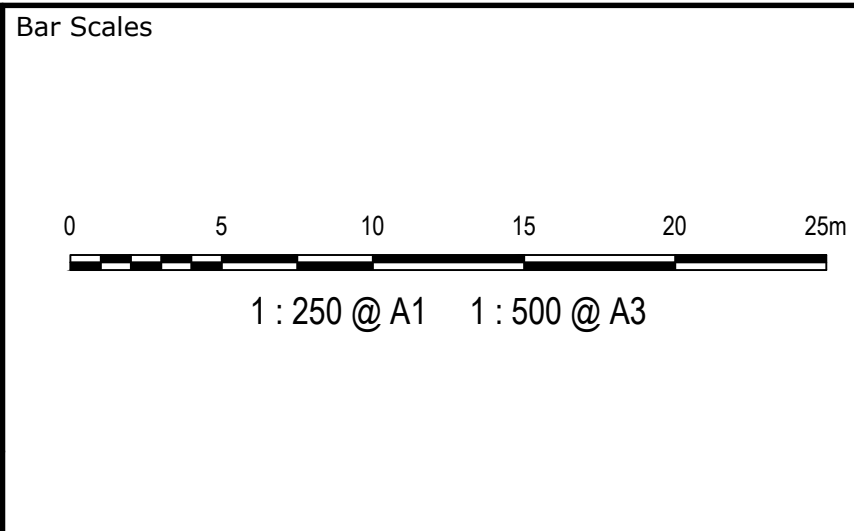
ADJOINS DRG 18-596-C1053

ADJOINS DRG 18-596-C1055



ALL FINISHED LEVELS SHOWN ARE ±1000mm

J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
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B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

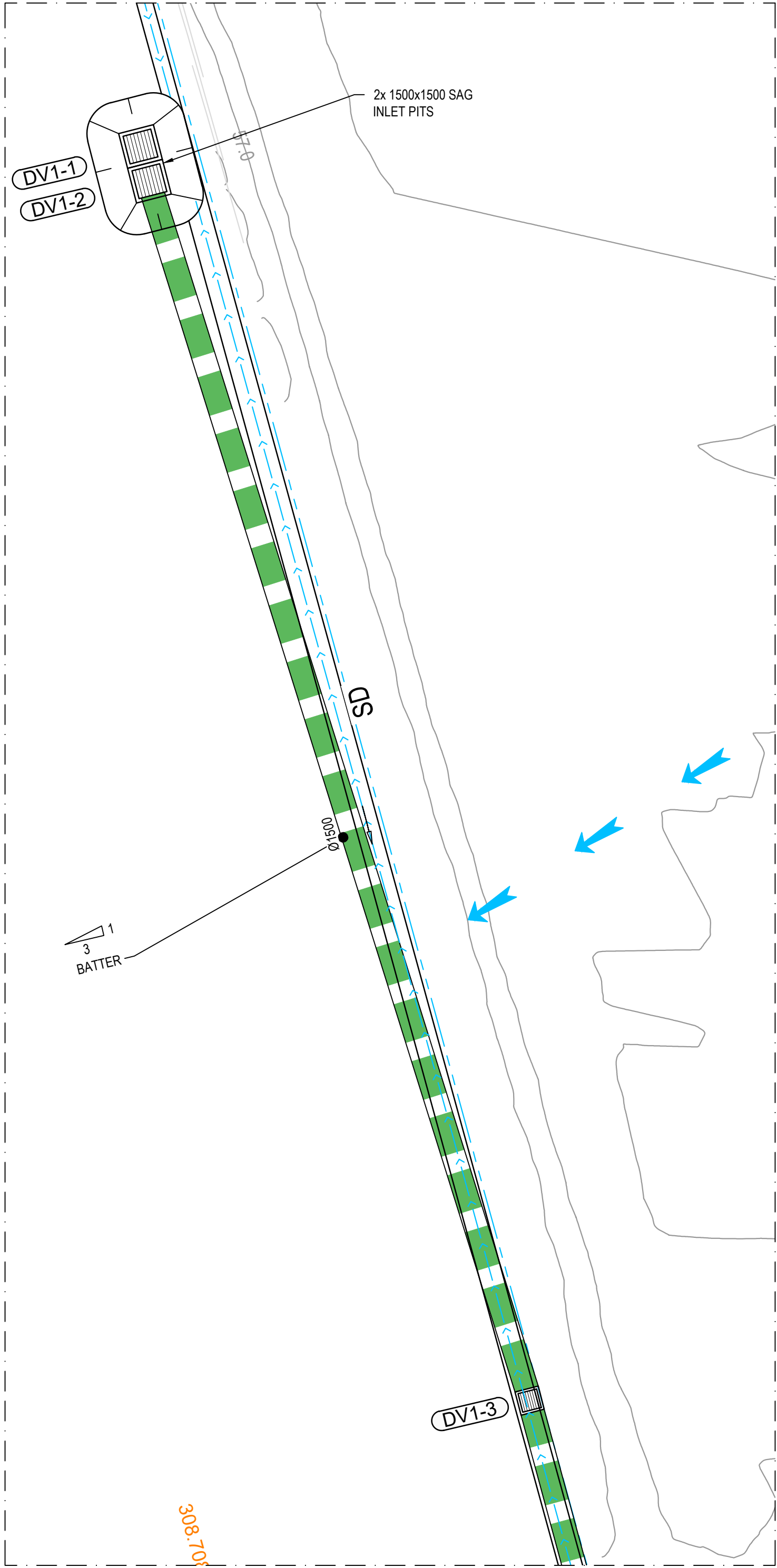


Scales	1:250	Drawn	KR
Grid	MGA	Designed	KR
Height Datum	AHD	Checked	AT
		Approved	AM
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 5

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.	18-596-C1054
Issue	J





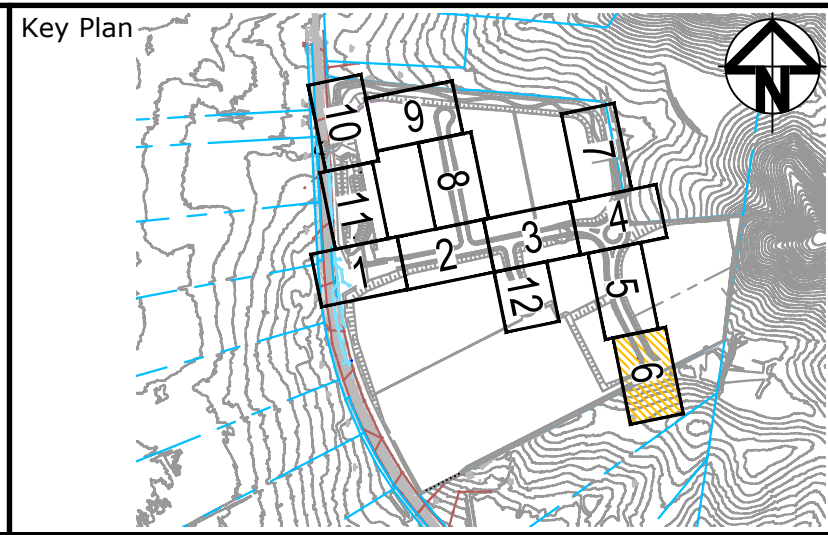
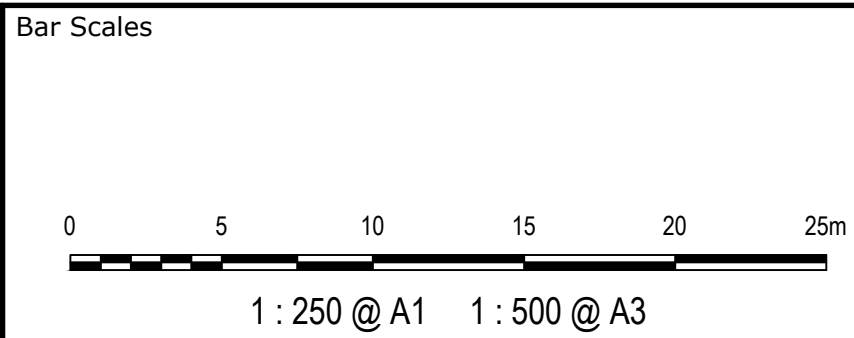
ADJOINS DRG 18-596-C1054

ADJOINS INSET A ON THIS DRAWING

ADJOINS ABOVE  
INSET A

ALL FINISHED LEVELS SHOWN ARE ±1000mm

J	ISSUED FOR DEVELOPMENT APPLICATION	14-04-22
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B	ISSUED FOR DEVELOPMENT APPLICATION	12-10-20
A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date

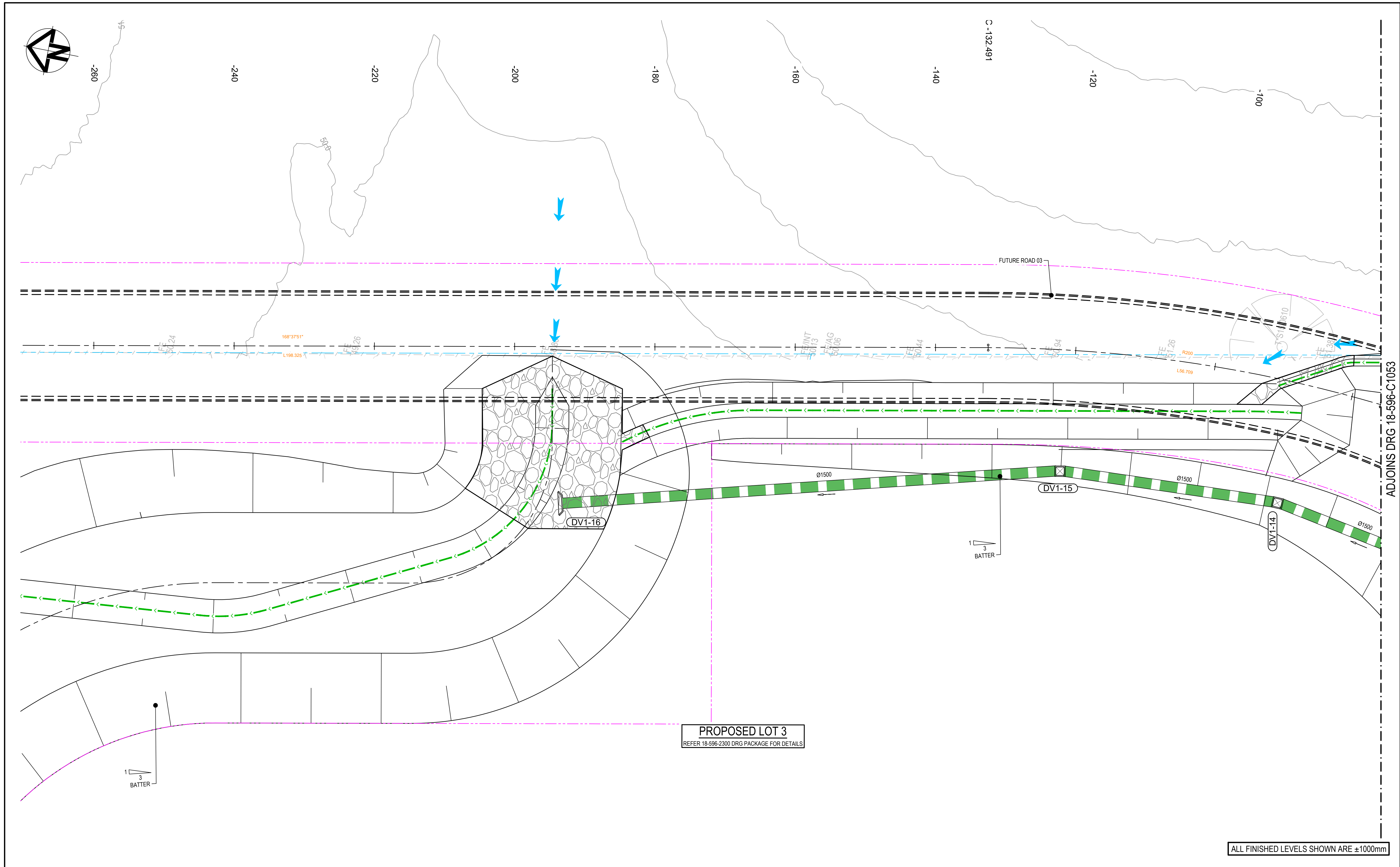


Scales	1:250	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	ROADWORKS 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	A1
Project - Drawing No.	18-596-C1055	Issue J

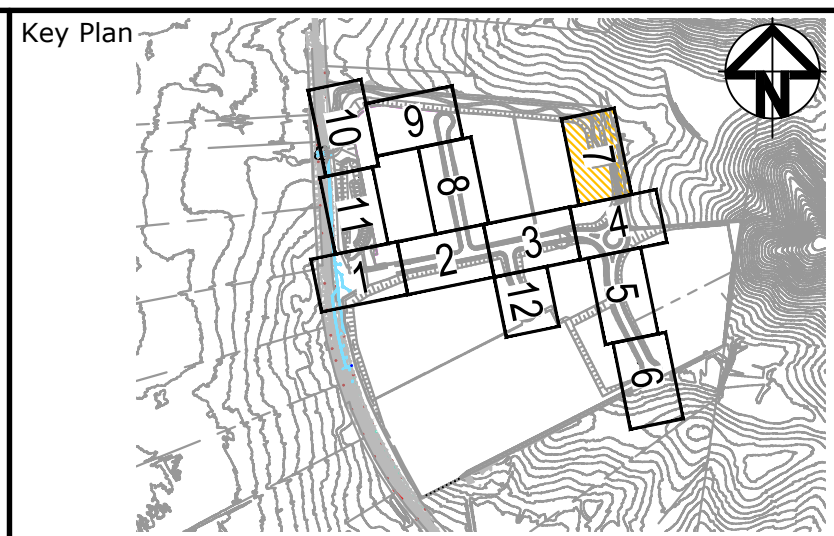
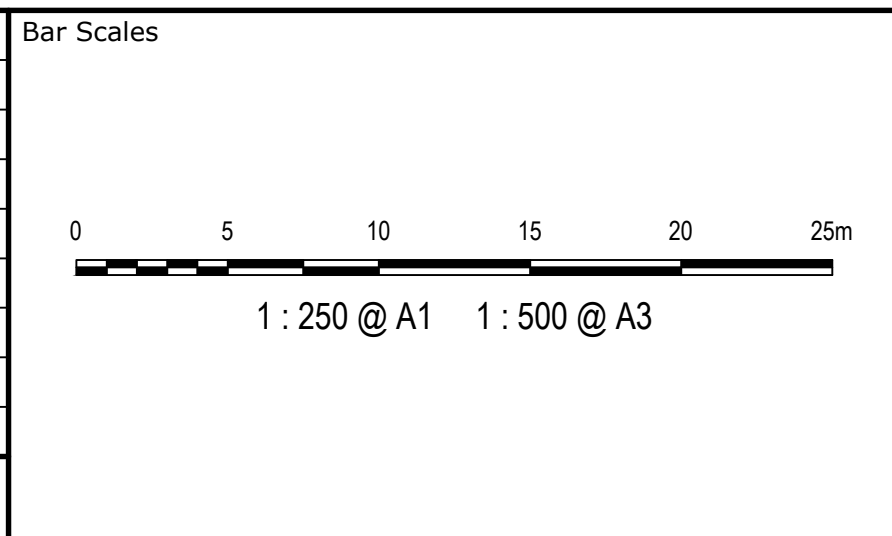




PROPOSED LOT 3  
REFER 18-596-2300 DRG PACKAGE FOR DETAILS

ALL FINISHED LEVELS SHOWN ARE ±1000mm

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H	ISSUED FOR DEVELOPMENT APPLICATION	18-03-22
G	ISSUED FOR DEVELOPMENT APPLICATION	04-03-22
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A	ISSUED FOR DEVELOPMENT APPLICATION	15-05-20
Issue	Description	Date



Scales	1:250	Drawn	KR
		Designed	KR
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	AM
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Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 7

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.	18-596-C1056	Issue J