

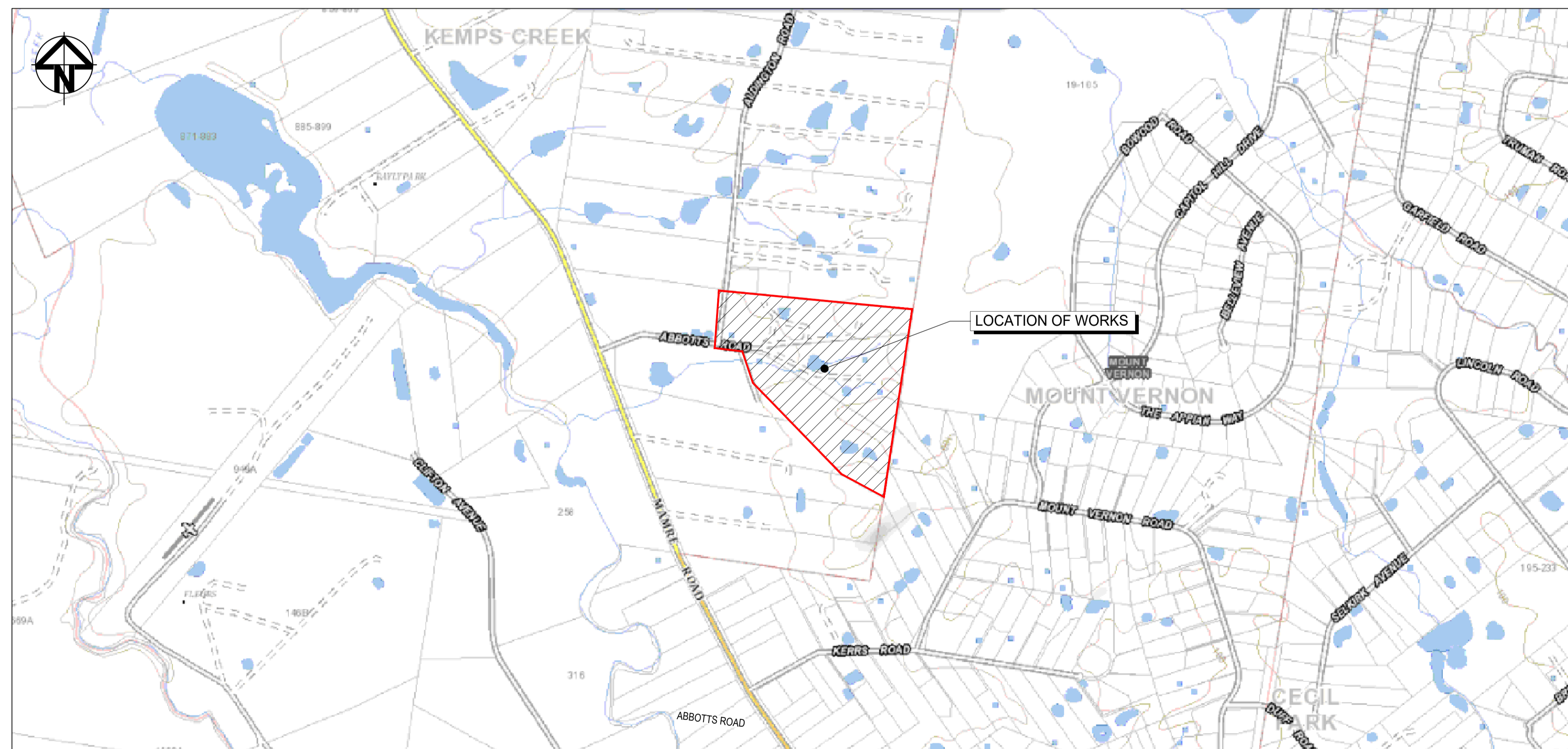
# WESTLINK - KEMPS CREEK

## CIVIL WORKS PACKAGE -

### INFRASTRUCTURE WORKS - STAGE 1

#### STATE SIGNIFICANT DEVELOPMENT APPLICATION

##### RTS-SSD-9138102



**LOCALITY PLAN**  
NTS

	Bar Scales 		Client 	Scales N.T.S. Grid MGA2020 Height Datum AHD	Drawn LM Designed LM Checked AT Approved	Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK Title COVER SHEET AND LOCALITY PLAN	Civil Engineers and Project Managers  Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 20-748-C11000
							Issue A1 5

**NOTE:**  
 1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH  
 STAGE 1 BULK EARTHWORKS PACKAGE DRAWINGS AND  
 STAGE 1 EROSION AND SEDIMENTATION PACKAGE DRAWINGS.

DRAWING LIST	
DRAWING No.	DRAWING TITLE
<b>REFERENCE DRAWINGS</b>	
20-748-C11000	COVER SHEET AND LOCALITY PLAN
20-748-C11001	DRAWING LIST
20-748-C11002	GENERAL NOTES
20-748-C11005	GENERAL ARRANGEMENT PLAN
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20-748-C11010	ROAD SECTIONS SHEET 1
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<b>ROADWORKS AND STORMWATER PLANS</b>	
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20-748-C11034	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
20-748-C11035	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5
20-748-C11036	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6
20-748-C11037	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 7
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20-748-C11042	INTERSECTION PLAN SHEET 2
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<b>ROAD CROSS SECTIONS</b>	
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20-748-C11071	ULTIMATE DETENTION BASIN DETAIL PLAN
20-748-C11072	DETENTION BASIN & POND SECTIONS
20-748-C11073	SPELFILTER DETAILS
<b>STORMWATER DRAINAGE MANAGEMENT PLAN</b>	
20-748-C11075	STORMWATER MANAGEMENT PLAN INTERIM ARRANGEMENT
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DRAWING LIST	
DRAWING No.	DRAWING TITLE
20-748-C11081	STORMWATER DRAINAGE OVERALL CATCHMENT PLAN (POST-DEVELOPED)
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20-748-C11096	BASIN DETENTION OUTLET PIT DETAILS BB-1
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20-748-C11098	BASIN SPILLWAY DETAILS
<b>PAVEMENT AND SURFACE TREATMENT PLANS</b>	
20-748-C11121	PAVEMENT AND SURFACE TREATMENT PLAN SHEET 1
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20-748-C11125	PAVEMENT AND SURFACE TREATMENT PLAN SHEET 5
20-748-C11126	PAVEMENT AND SURFACE TREATMENT PLAN SHEET 6
20-748-C11127	PAVEMENT AND SURFACE TREATMENT PLAN SHEET 7
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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

Client




Scales	Drawn	LM
N.T.S.	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

**GDA2020**

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Project	Title
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	DRAWING LIST

Civil Engineers and Project Managers



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

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11001	Issue
		5

## SITWORKS NOTES

- ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- 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.
- PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
- ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
- 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.
- 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 50m OF SUB-BASE COURSE MATERIAL PLACED.
- 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.
- 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.
- 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.
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

## SURVEY NOTES

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

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

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

### NOTES

- THE BOUNDARIES HAVE APPROXIMATELY BEEN SURVEYED IN ACCORDANCE WITH CLAUSE 9 OF THE SURVEYING & SPATIAL INFORMATION REGULATION 2017
- ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY NSW LAND REGISTRY SERVICES AND ARE SUBJECT TO FINAL SURVEY
- ORIGIN OF COORDINATES HAS BEEN DERIVED USING GPS (GNSS) SURVEY FROM SSM33562
- ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM PM178274
- USING GPS (GNSS) SURVEY METHODS.
- CONTOUR INTERVAL 0.5 m
- CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION OR NEAR THE SITE
- 8/47 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
- SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
- BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1"00' FOR TRUE NORTH

## CONSTRUCTION SPECIFICATION

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

## CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- CONCRETE QUALITY
  - ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

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

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

- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- 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 R63.
- 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:
  - NOMINAL BAR SIZE IN mm
  - SPACING IN mm
- FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:
  - 25 MIN LAP TWO WIRES

## KERBING NOTES

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 29MPa U.N.O IN REINFORCED CONCRETE NOTES.
  - 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).
  - 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.
  - 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.
  - BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
  - IN THE REPLACEMENT OF KERB AND GUTTER - EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.
- EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.
- EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

## STORMWATER DRAINAGE NOTES

- STORMWATER DESIGN CRITERIA:
  - (A) AVERAGE RECURRENCE 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<sub>100</sub> =1.0
    - EXTERNAL PAVEMENTS: C<sub>100</sub> =1.0
- 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.
- 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 DOWNPIPES ARE uPVC PRESSURE PIPE. GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
- PIPES TO BE INSTALLED TO TYPE HS1 SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO 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 ASIN2S 3500 3.2 (1998).
- PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL 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.
- GRATES AND COVERS SHALL CONFORM TO AS 3996.
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- 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.

## EMBANKMENT CONSTRUCTION

### SEQUENCE

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

## EROSION AND SEDIMENT CONTROL

### NOTES

#### GENERAL INSTRUCTIONS

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
  - a. LOCAL AUTHORITY REQUIREMENTS
  - b. EPA REQUIREMENTS
  - c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- 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

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
  - (A) INSTALL A WIND FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
  - (B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
  - (C) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
  - (D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
  - (E) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
  - (F) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

#### EROSION CONTROL

- DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
- FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 30 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

#### SEDIMENT CONTROL

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

#### OTHER MATTERS

- ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
  - (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
  - (B) ENSURING THAT NOTHING IS NAILED TO THEM
  - (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS:
    - (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICHEVER IS THE GREATER
    - (II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
    - (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

## EROSION AND SEDIMENT CONTROL

### NOTES CONTINUED

#### STAGING

- SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE DESIGNED, PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, INCLUDING AT COMPLETION OF THE BULK EARTHWORKS WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS.
- SEDIMENT AND EROSION CONTROLS ARE TO BE DESIGNED AND DOCUMENTED BY A SUITABLY QUALIFIED EXPERT ENGAGED BY THE CONTRACTOR AND APPROVED AS PART OF THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE RELEVANT REQUIREMENTS IN THE LATEST VERSION OF THE MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION GUIDELINE (LANDCOM).

## DEWATERING

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

## DECOMMISSIONING / DEMOLITION

DEMOLITION OF EXISTING DWELLING TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF AS2801-2001. DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.

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

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

## EXISTING UNDERGROUND SERVICES NOTES

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

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

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



**DIAL 1100**  
BEFORE YOU DIG

CONTRACTOR SHALL CALL;  
 DIAL BEFORE  
 YOU DIG 1100  
 PRIOR TO COMMENCEMENT OF WORK  
 TO OBTAIN ALL CURRENT SERVICE  
 AUTHORITY PLANS

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

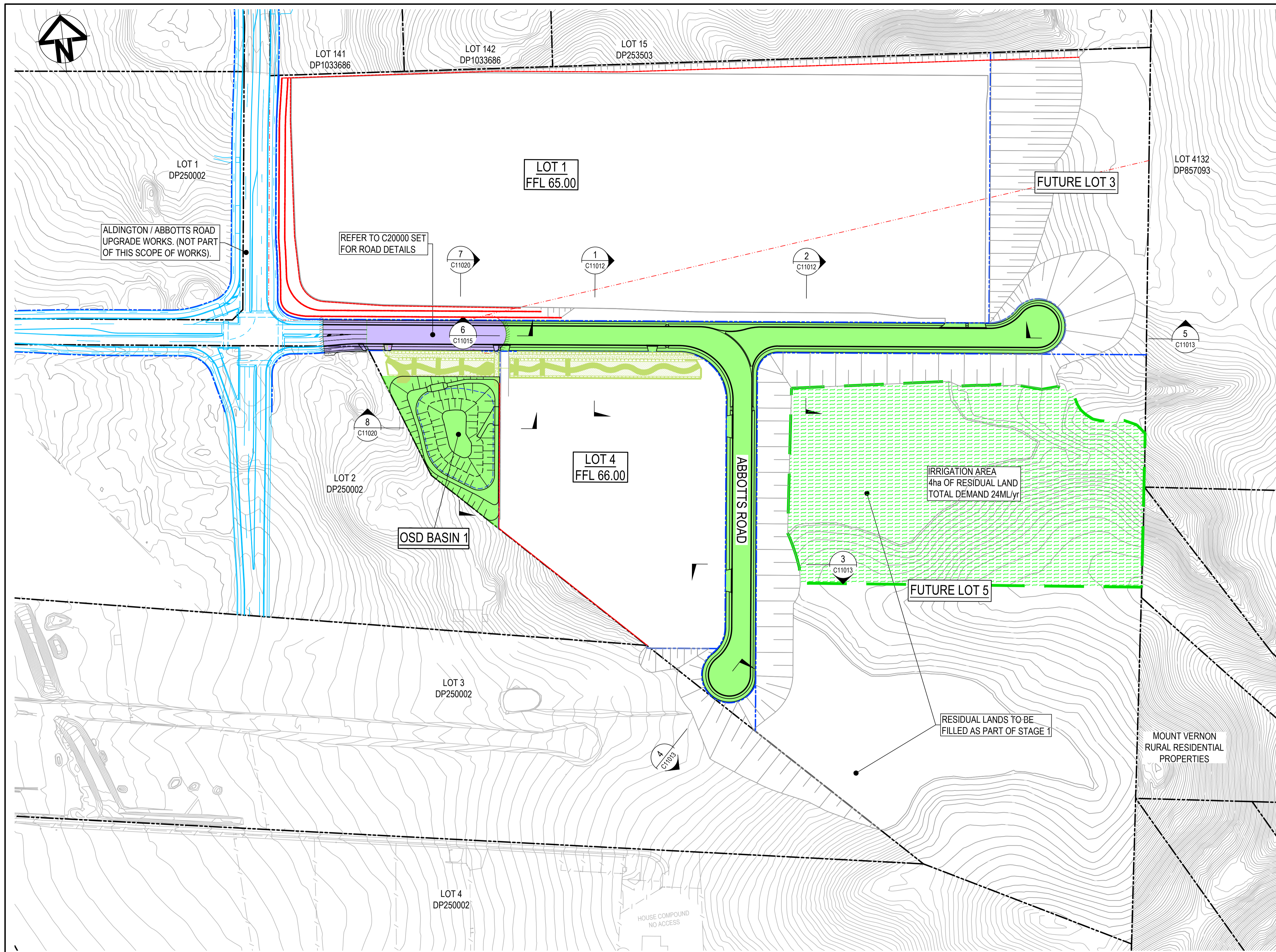
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Scales	Drawn	Checked	Approved
N.T.S.	LM	LM	AT
Grid MGA2020	LM	AT	
Height Datum AHD			

Project
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title
GENERAL NOTES

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	<b>FOR APPROVAL</b>
Project - Drawing No.	<b>NOT TO BE USED FOR CONSTRUCTION</b>
20-748-C11002	<b>5</b>
	Issue
	5

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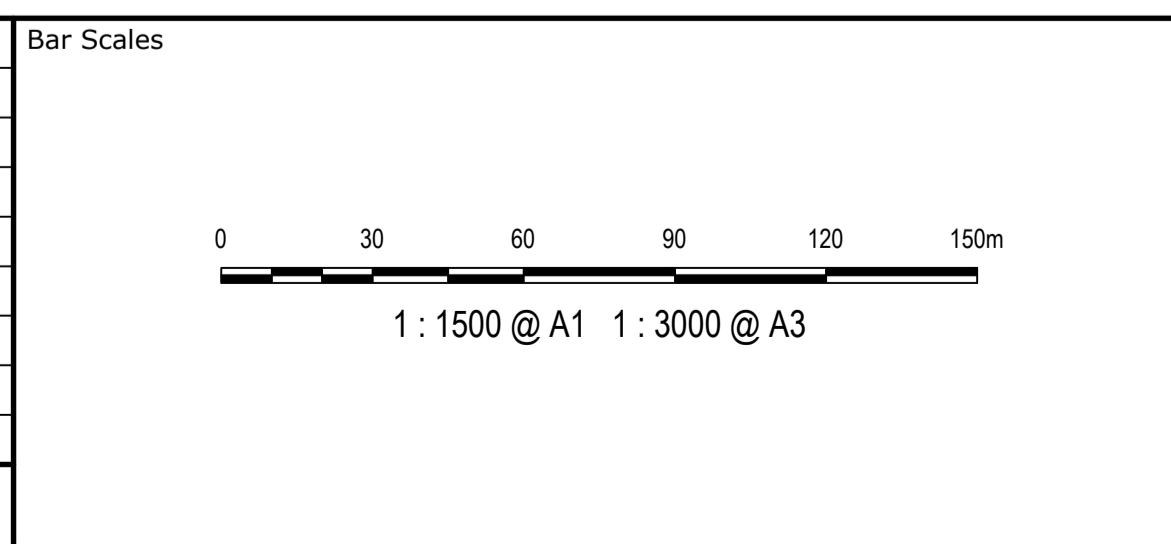


**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- STAGE 1 INFRASTRUCTURE EXTENT OF WORKS
- 20m NATURALISED TRUNK DRAINAGE CHANNEL. REFER TO J. WYNHAM PRINCE DRAWINGS FOR DESIGN.

**NOTE:**  
1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STAGE 1 BULK EARTHWORKS PACKAGE DRAWINGS AND STAGE 1 EROSION AND SEDIMENTATION PACKAGE DRAWINGS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 1500	Drawn	LM
		Designed	LM
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Height Datum	AHD	Approved	

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **GENERAL ARRANGEMENT PLAN**

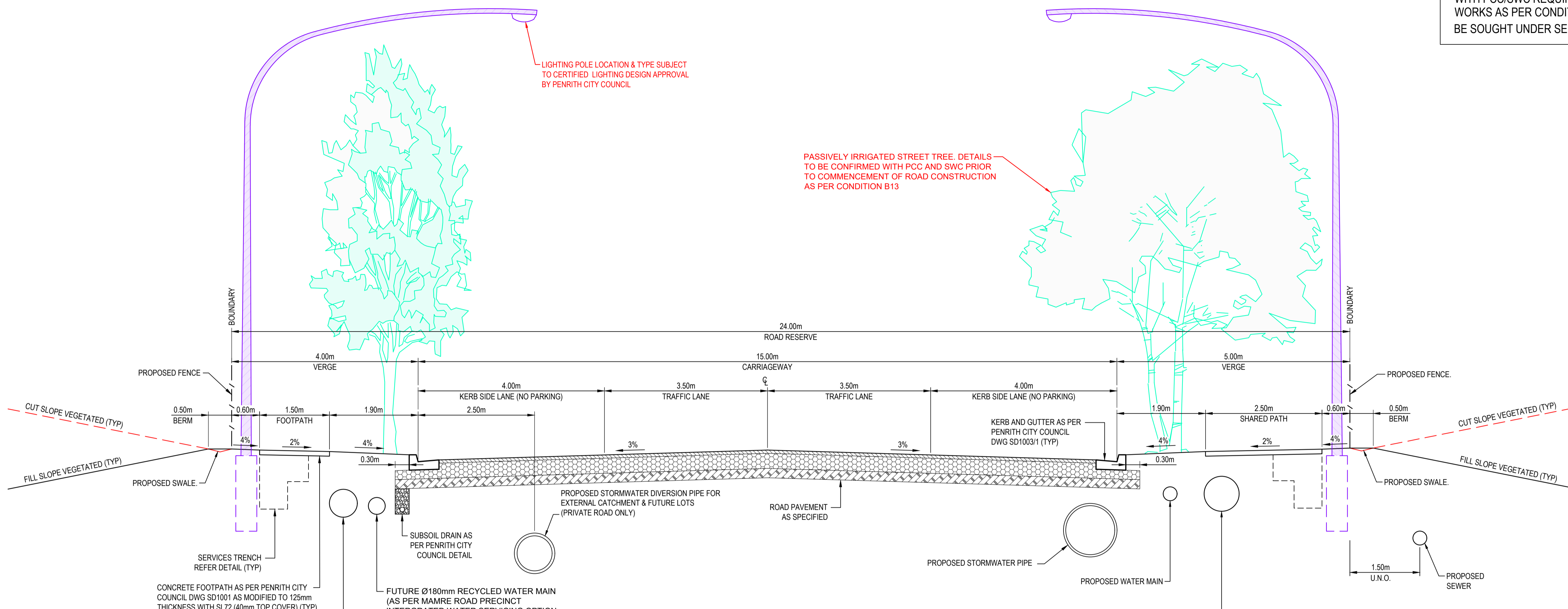
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North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
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www.atl.net.au  
info@atl.net.au

Status	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	<b>20-748-C11005</b>	Issue
		<b>5</b>

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**TYPICAL SECTION - ABBOTTS ROAD EXTENSION AND PRIVATE ACCESS ROAD**  
 SCALE 1:50

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

Client

Client




Scales	Drawn	LM
AS SHOWN	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

GDA2020

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

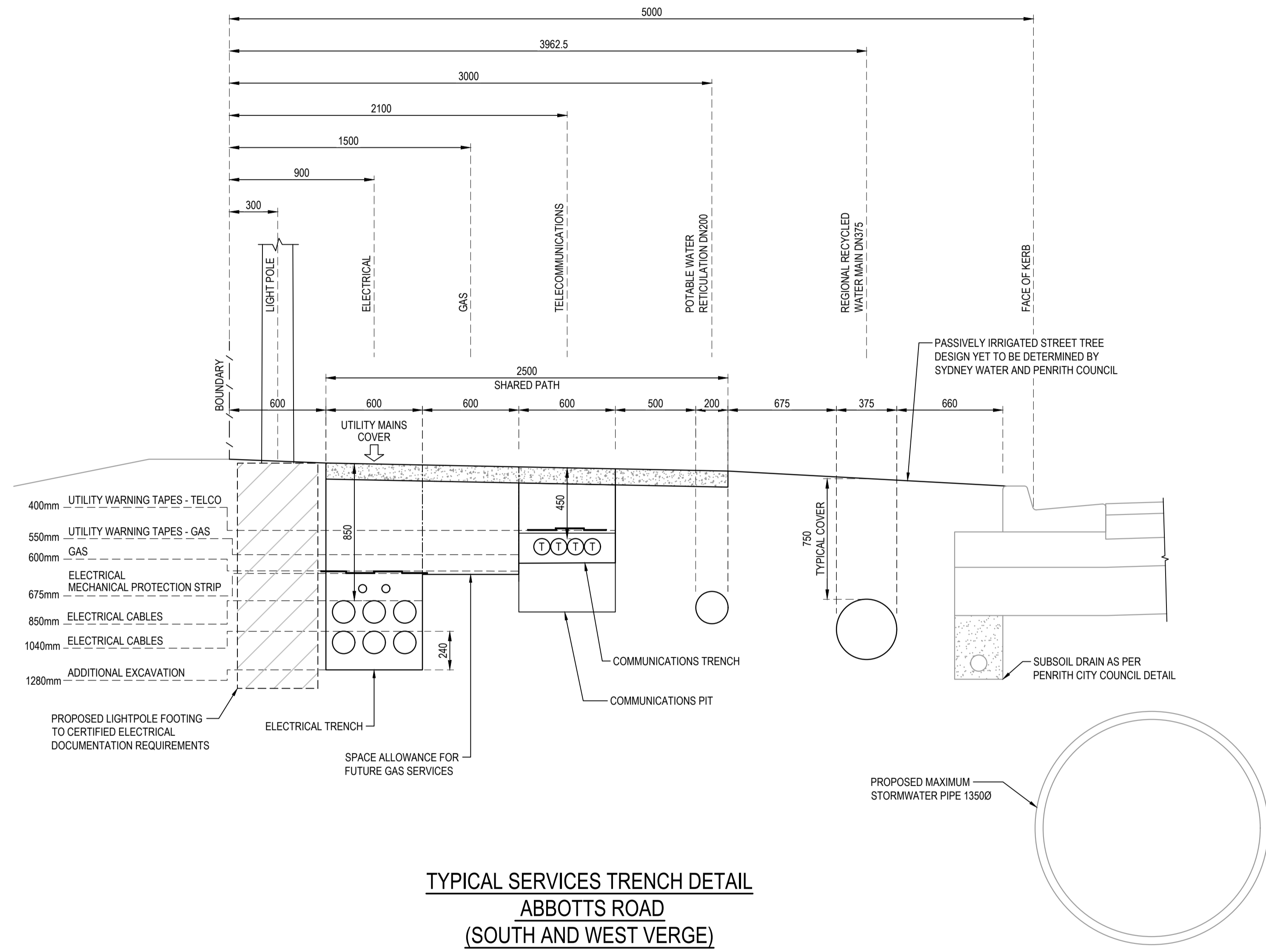
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 Tel: 02 9439 1777  
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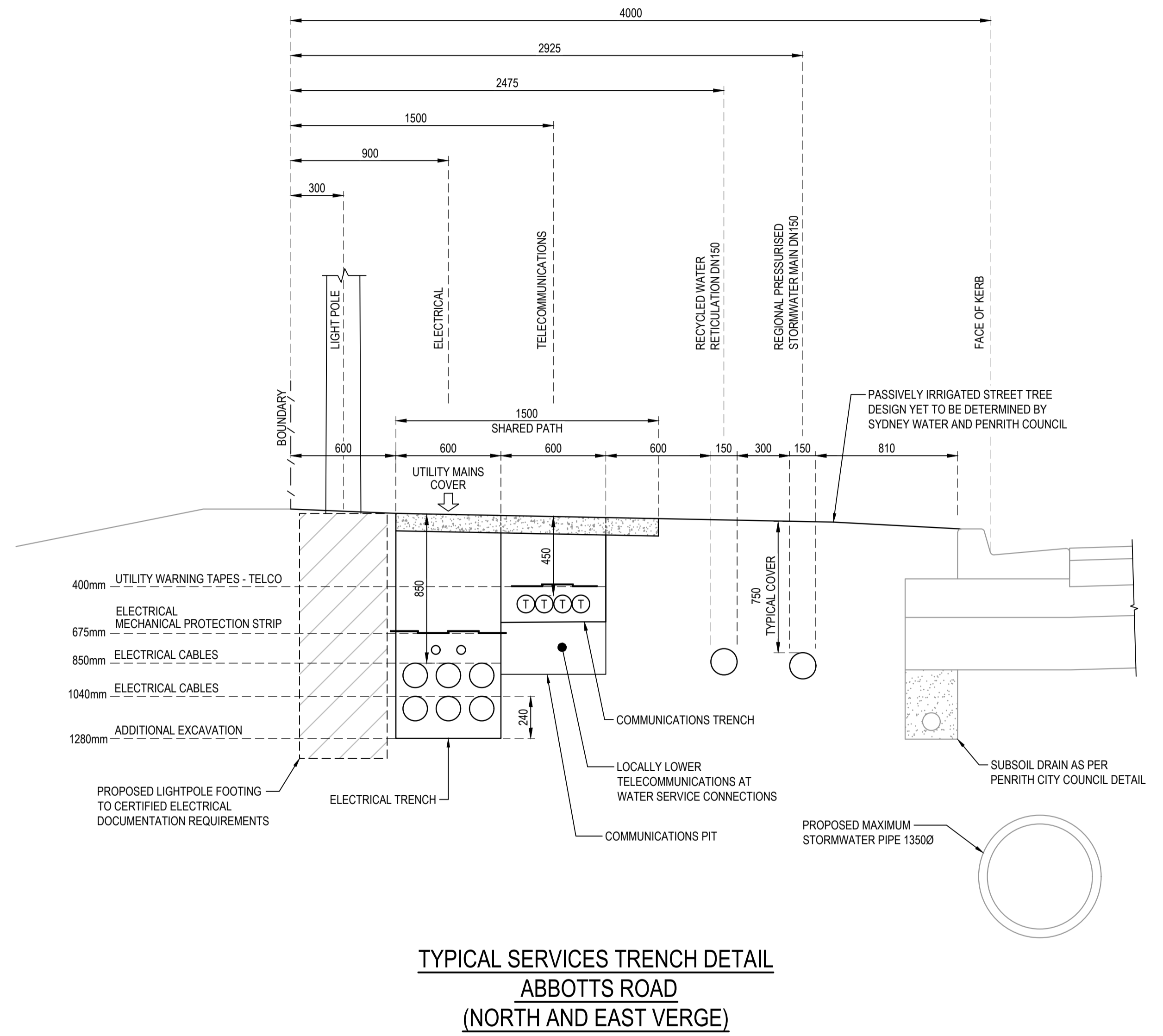
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Project - Drawing No.	20-748-C11010	Issue
		5

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**TYPICAL SERVICES TRENCH DETAIL**  
**ABBOTTS ROAD**  
**(SOUTH AND WEST VERGE)**  
 SCALE 1:20

NOTE:  
 1. FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.  
 2. FINAL NUMBER, SIZING AND SPACING OF POTABLE WATER AND RECYCLED WATER MAINS SUBJECT TO SYDNEY WATER APPROVAL.  
 3. REQUIREMENTS FOR EASEMENTS OVER INFRASTRUCTURE WITHIN PRIVATE ROAD TO BE CONFIRMED WITH AUTHORITIES.



**TYPICAL SERVICES TRENCH DETAIL**  
**ABBOTTS ROAD**  
**(NORTH AND EAST VERGE)**  
 SCALE 1:20

NOTE:  
 1. FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.  
 2. FINAL NUMBER, SIZING AND SPACING OF POTABLE WATER AND RECYCLED WATER MAINS SUBJECT TO SYDNEY WATER APPROVAL.  
 3. REQUIREMENTS FOR EASEMENTS OVER INFRASTRUCTURE WITHIN PRIVATE ROAD TO BE CONFIRMED WITH AUTHORITIES.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

Client



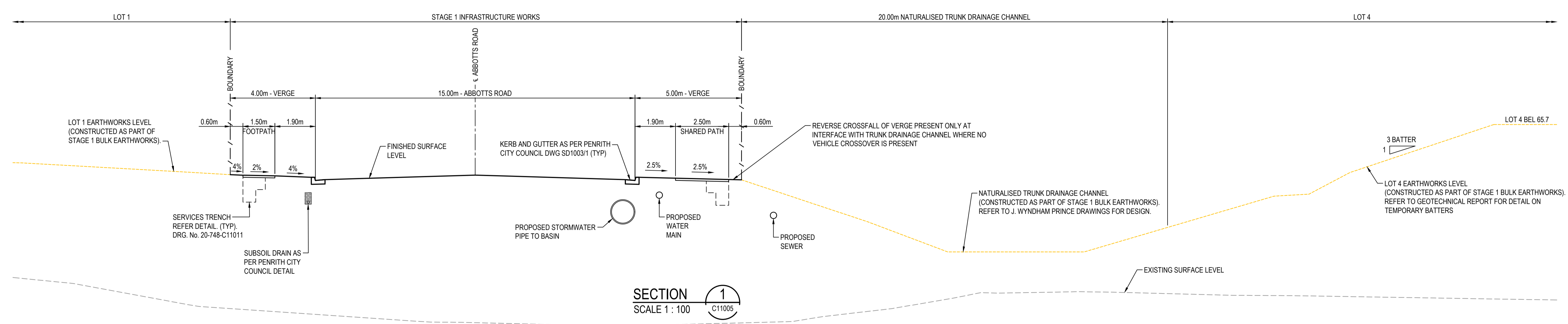
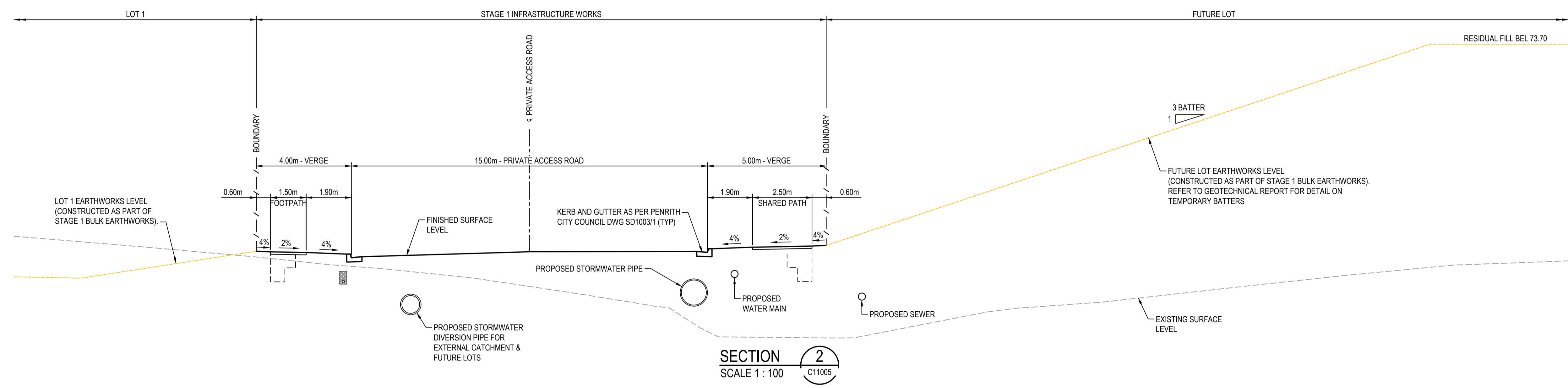
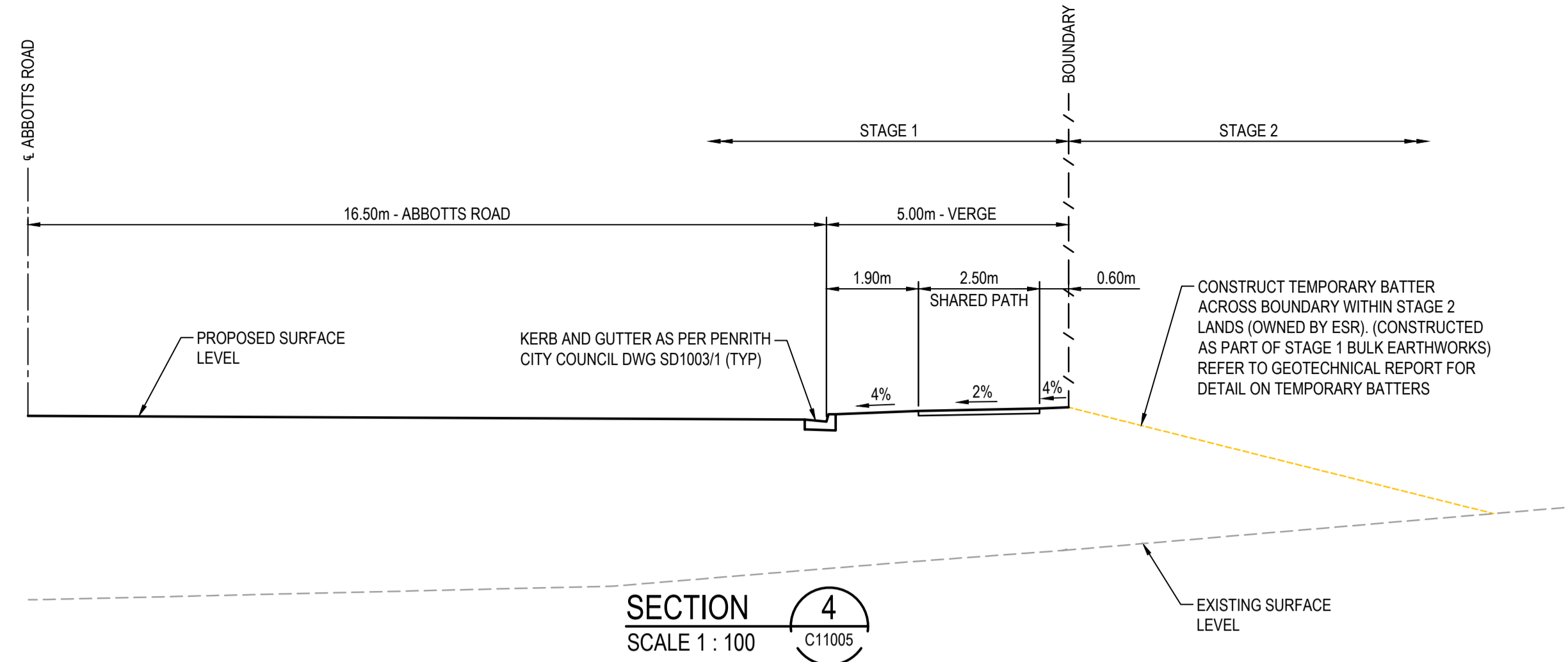
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AS SHOWN	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

Project	Title
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	ROAD SECTIONS SHEET 2

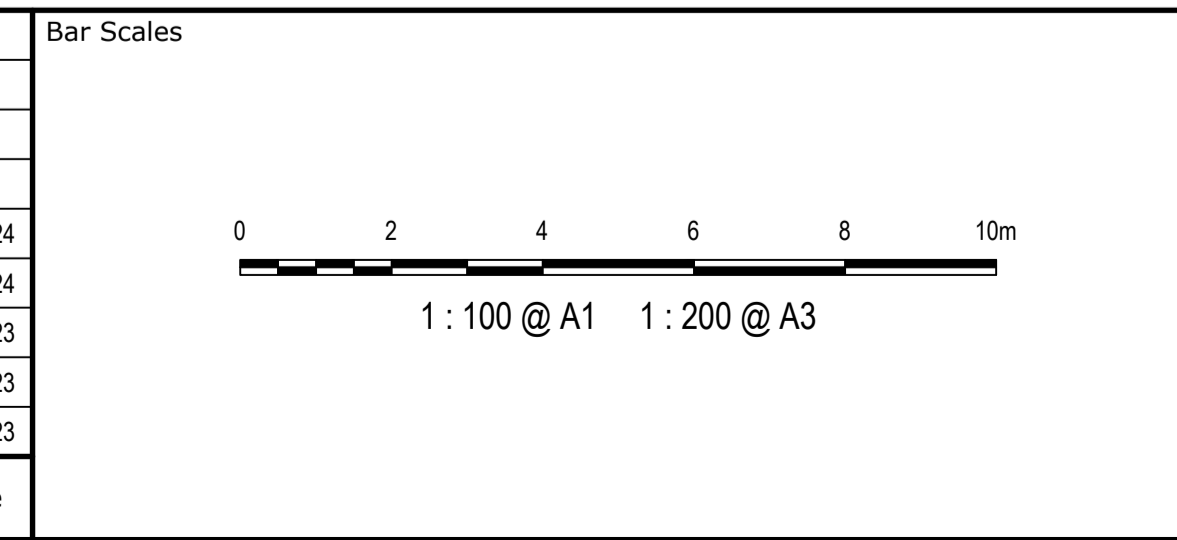
Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
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Project - Drawing No.	20-748-C11011
Issue	5

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



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Scales	AS SHOWN	
	Grid	MGA2020
Drawn	LM	LM
Checked	AT	AT
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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

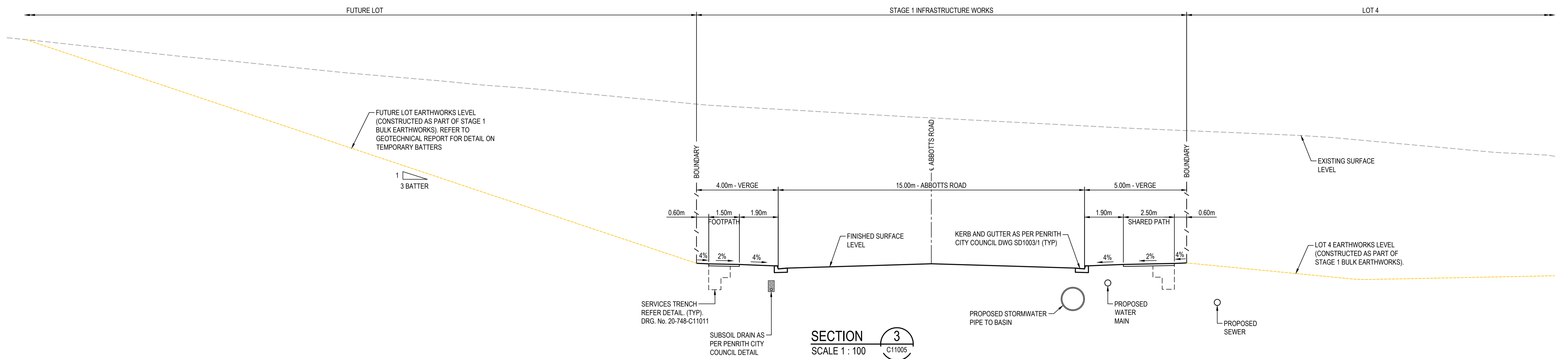
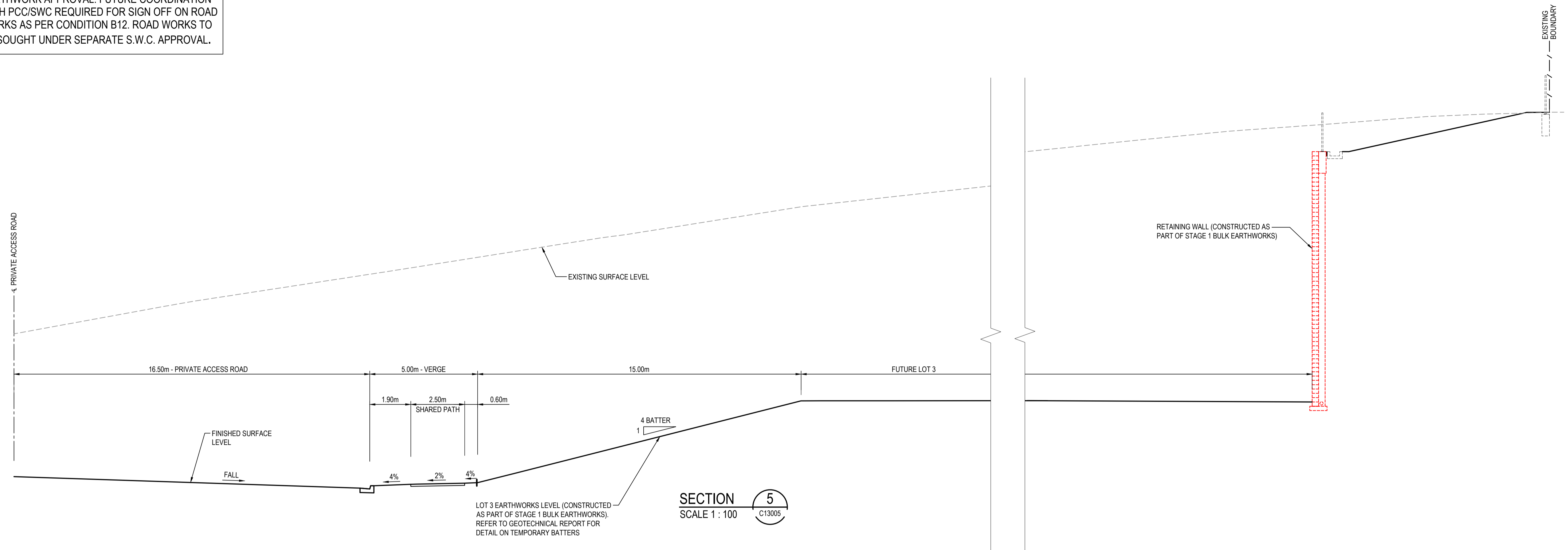
Title  
**ROAD SECTIONS SHEET 3**

Civil Engineers and Project Managers

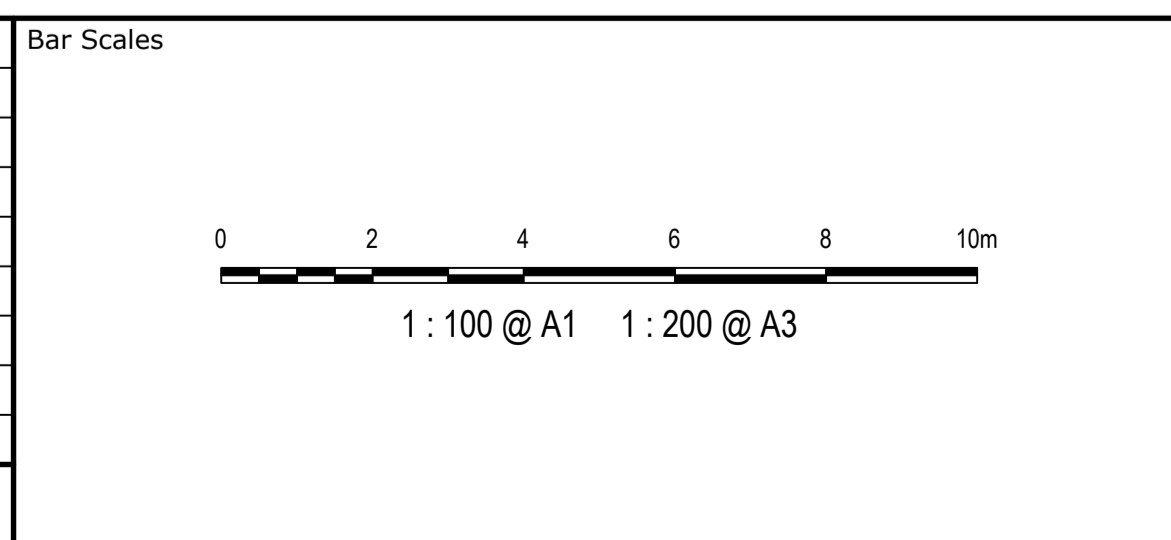
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Status	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	<b>20-748-C11012</b>	Issue
		<b>5</b>

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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Designed	LM
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Approved	

Grid MGA2020  
 Height Datum AHD

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Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

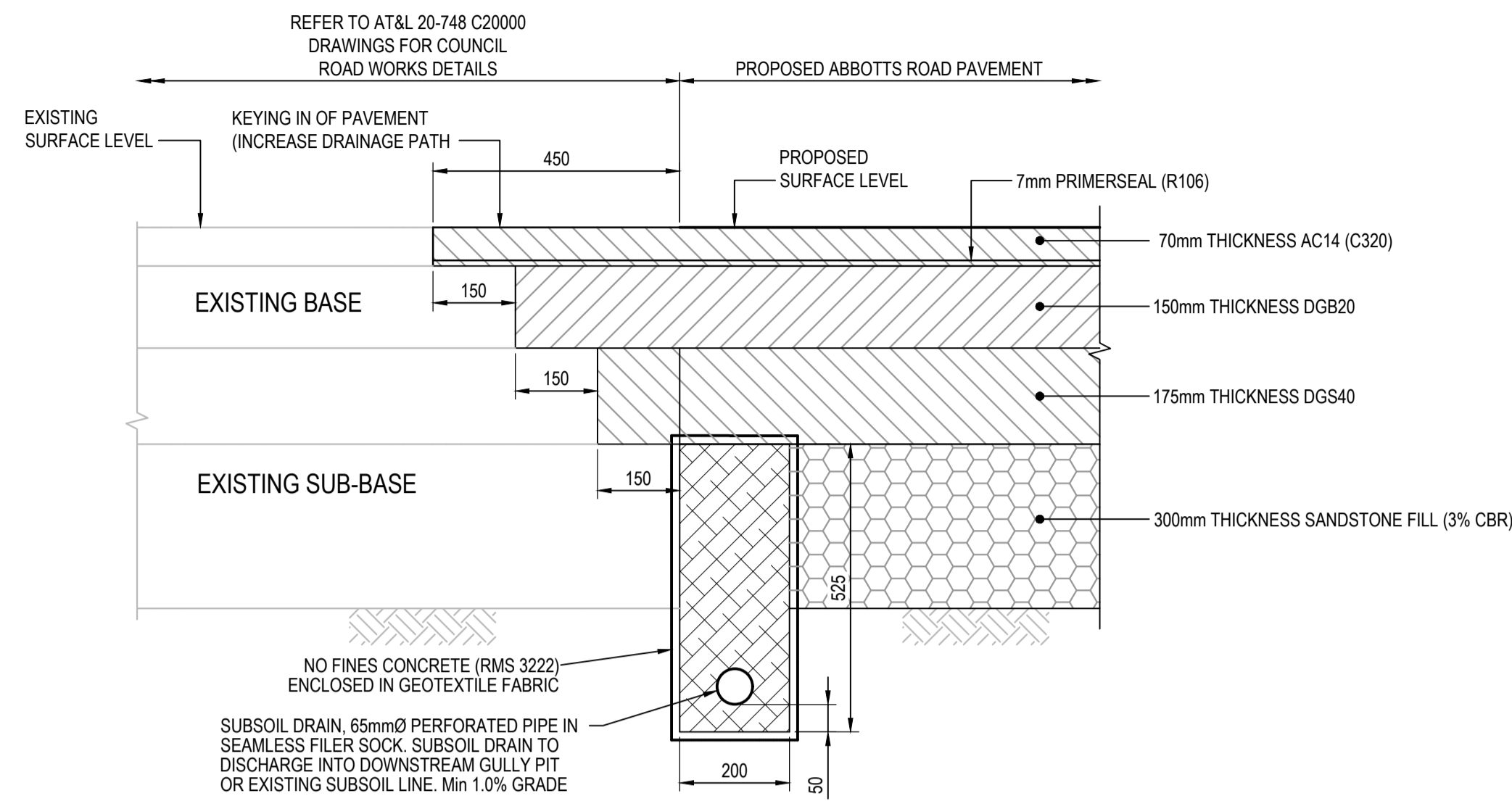
Title ROAD SECTIONS SHEET 4

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 info@atl.net.au

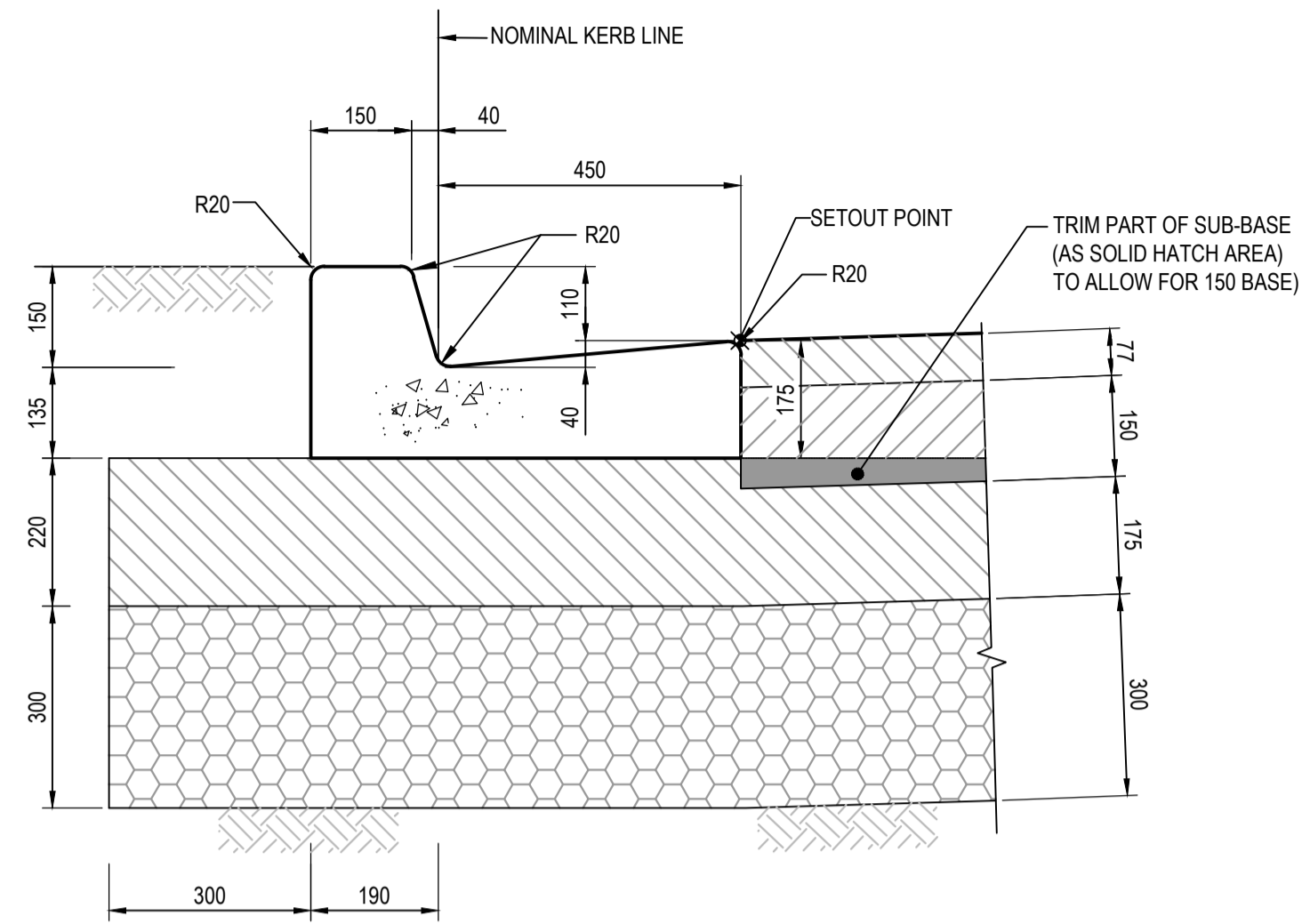
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Project - Drawing No. 20-748-C11013	Issue 5





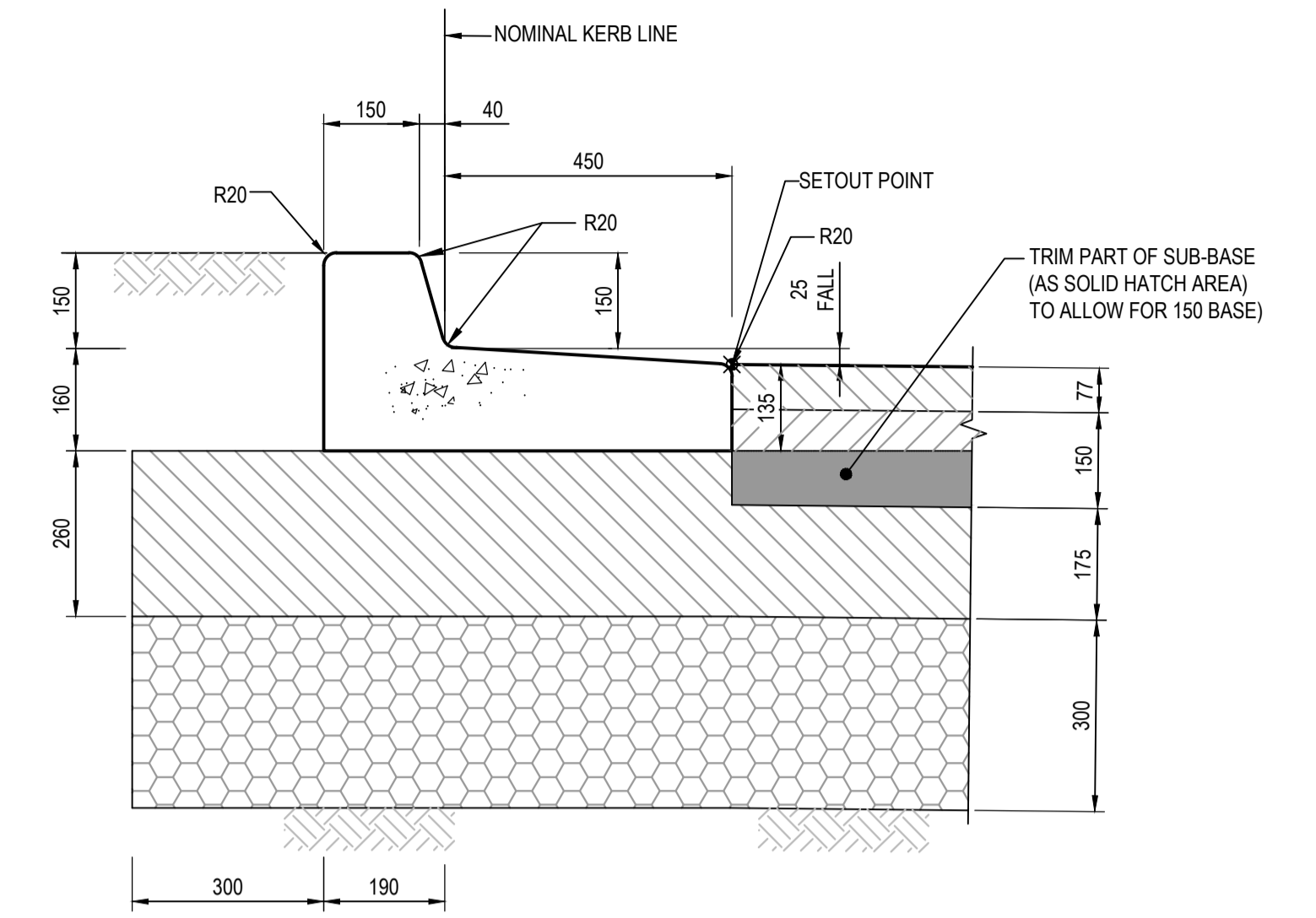
PAVEMENT SAWCUT DETAIL

SECTION 6  
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C13005



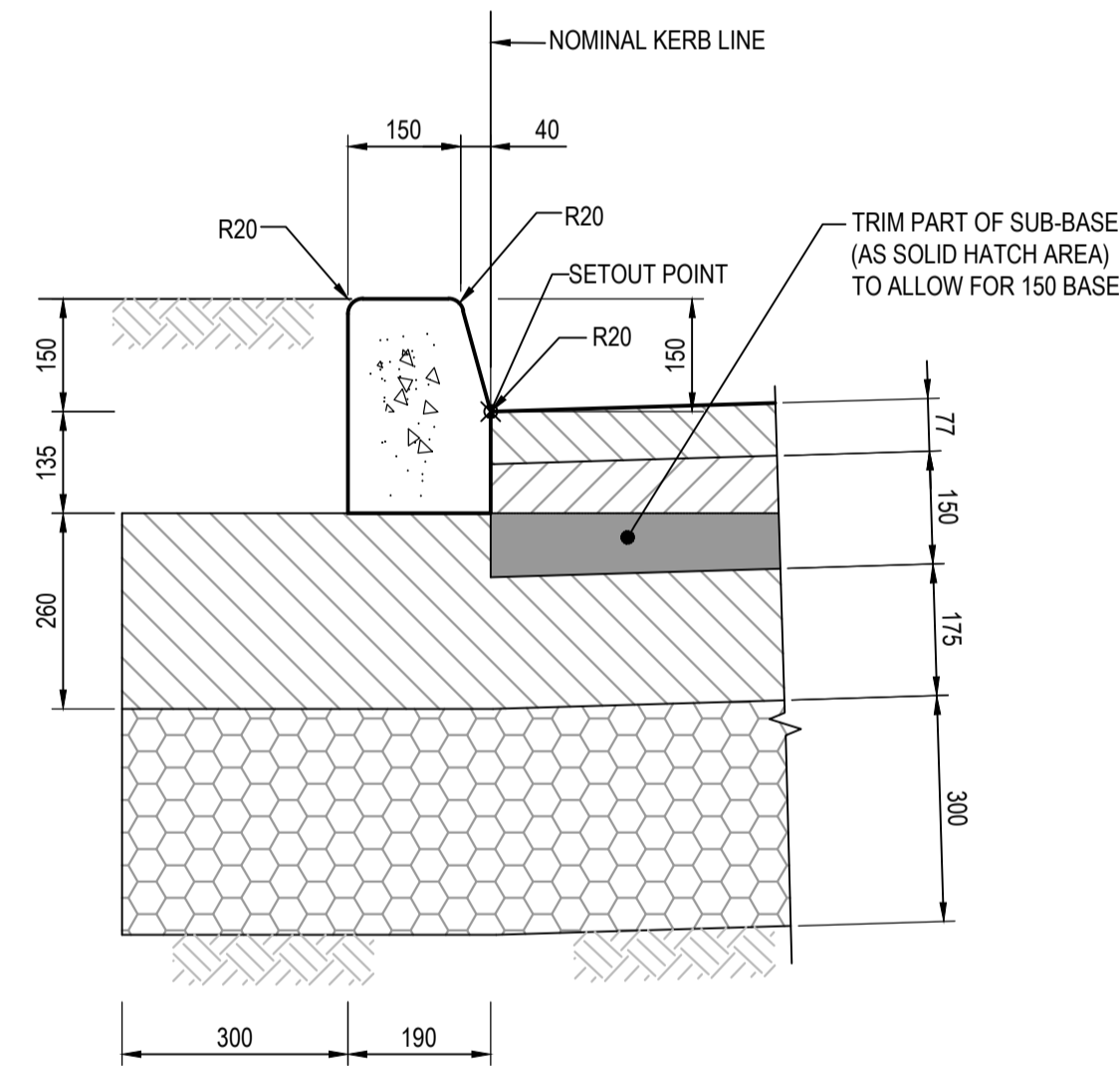
KERB AND GUTTER (K&G)

SCALE 1:10  
(REFER PCC DWG. SD1003/1)



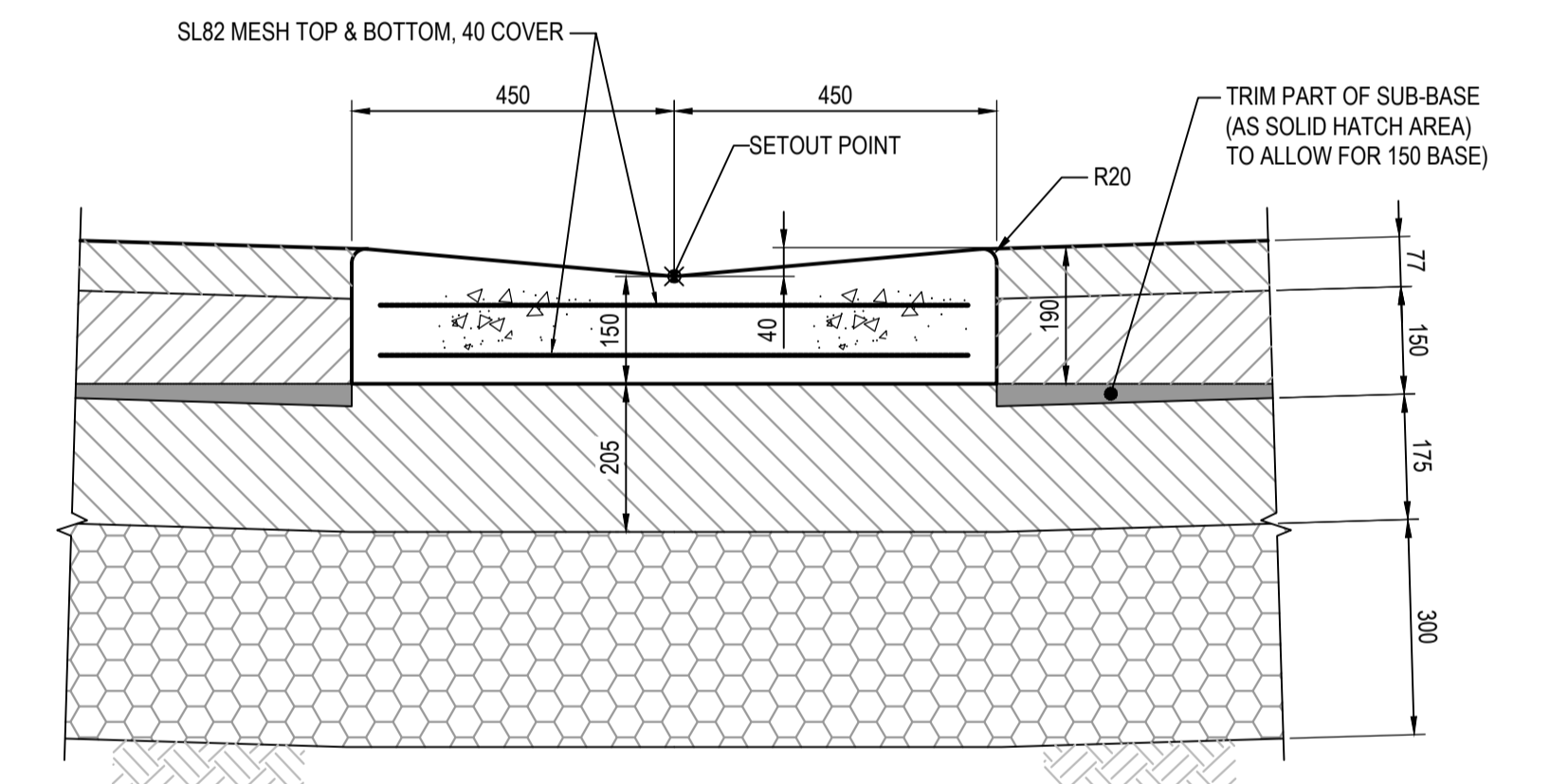
KERB AND TOE (K&T)

SCALE 1 : 10



KERB ONLY (KO)

SCALE 1:10  
(REFER PCC DWG. SD1003/2)

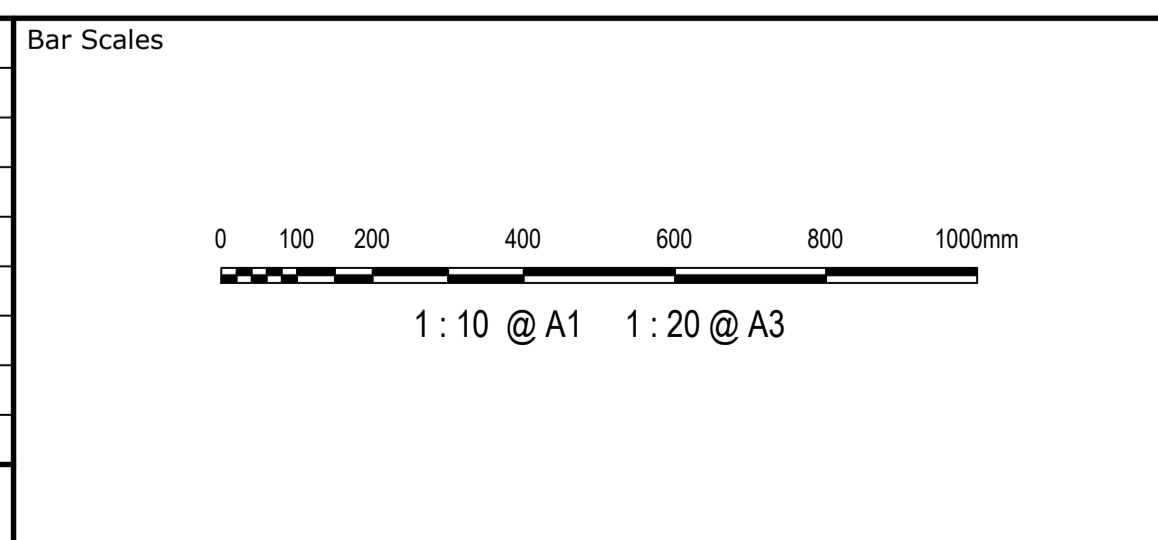


DISH CROSSING (DC)

SCALE 1:10  
(REFER PCC DWG. SD1003/2)

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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Height Datum AHD	Approved	

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Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

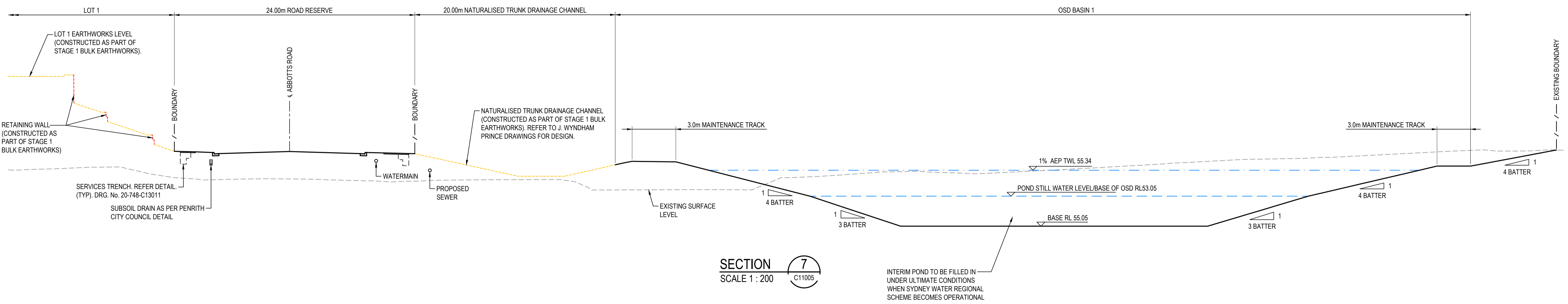
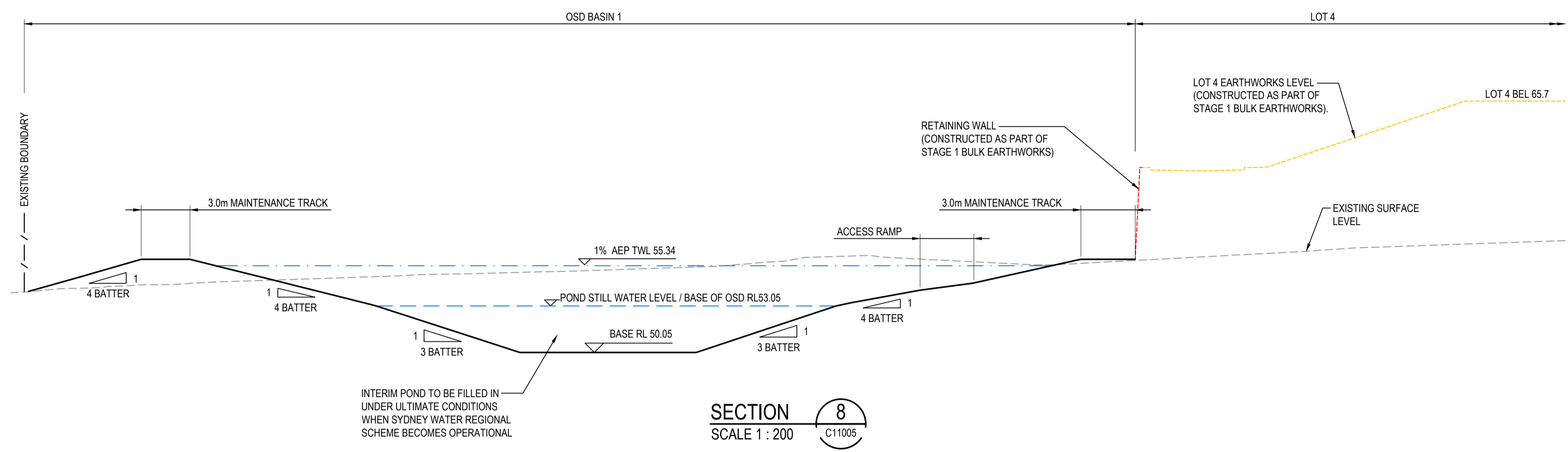
Title ROAD DETAILS SHEET 1

Civil Engineers and Project Managers

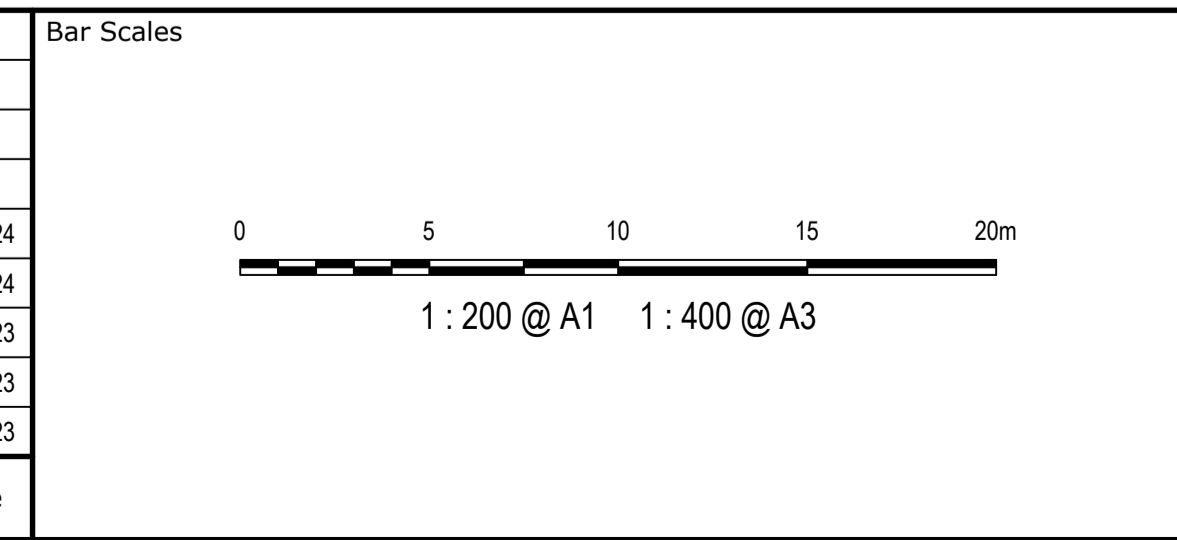
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Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. 20-748-C11015	Issue 5

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	AS SHOWN	
	Grid	MGA2020
Drawn	LM	Checked
Approved	AT	

GDA2020

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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

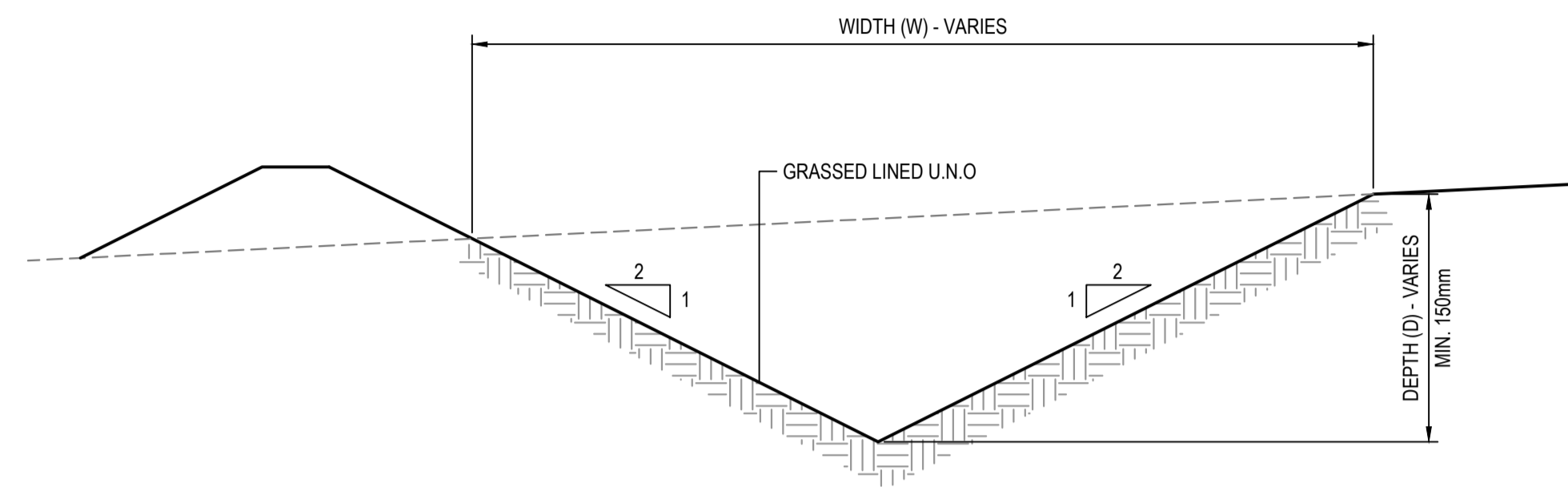
Title  
**SITE SECTIONS SHEET 1**

Civil Engineers and Project Managers

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 North Sydney NSW 2060  
 ABN 96 130 882 405  
 Tel: 02 9439 1777  
 Fax: 02 9923 1055  
 www.atl.net.au  
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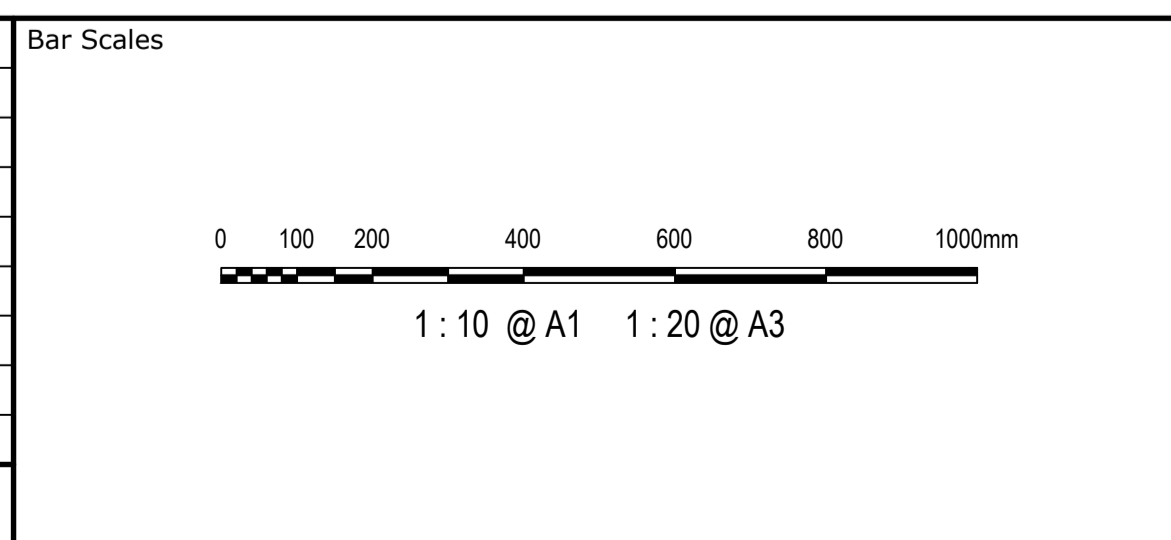
Status	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	<b>20-748-C11020</b>	Issue
		<b>5</b>

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**CATCH DRAIN DETAIL (DIRTY WATER)**  
 SCALE 1:10

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



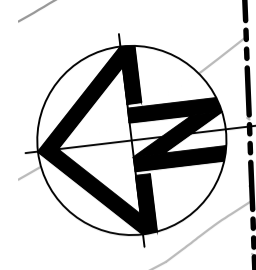
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		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	
<small>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</small>			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	SITE DETAILS SHEET 1

Civil Engineers and Project Managers

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

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11025	Issue
		5



**LOT 1**  
FFL 65.00  
REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

ESTATE ENTRY FEATURE WALL  
CONSTRUCTED AS PART OF  
STAGE 1 BULK EARTHWORKS.

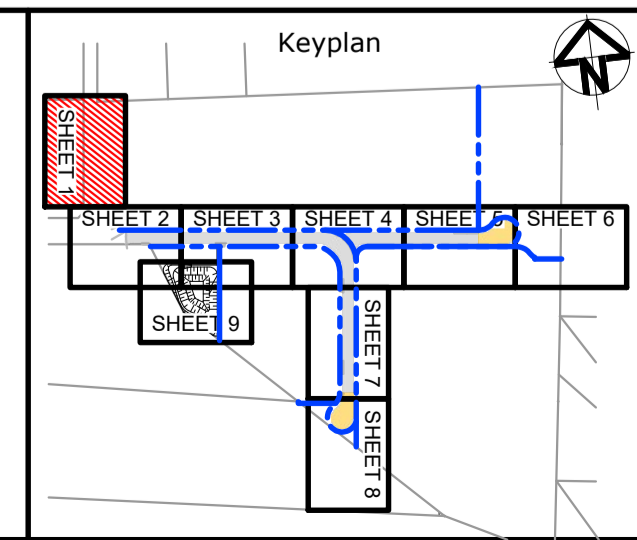
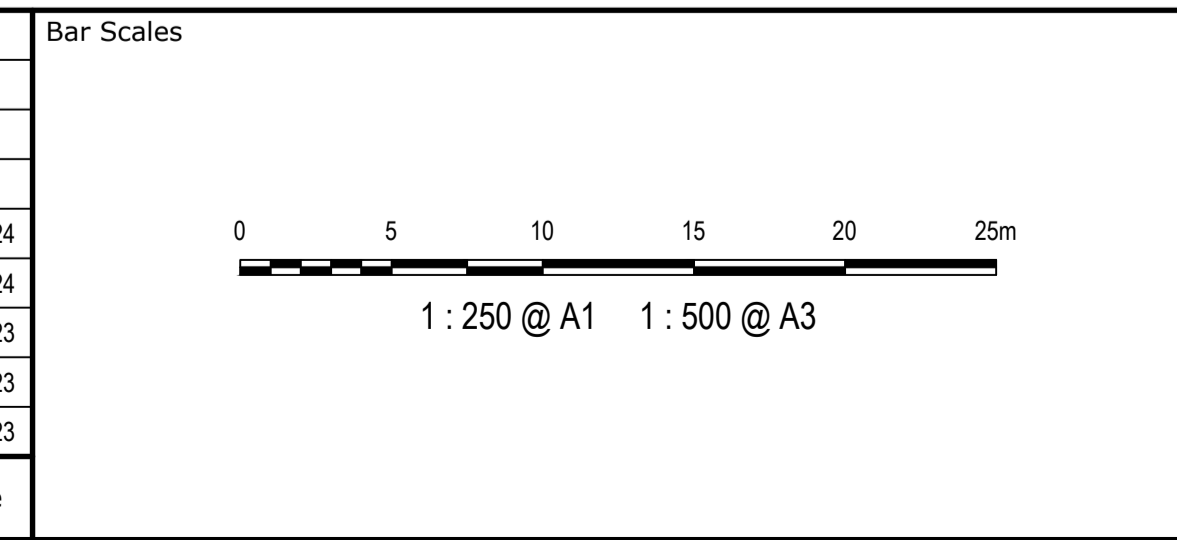
ALDINGTON ROAD

ALDINGTON / ABBOTTS ROAD  
UPGRADE WORKS. (TO BE  
DETAILED UNDER SECTION  
138 OF THE ROADS ACT 1993  
AS PER CONDITION B4).

FOR CONTINUATION REFER TO DRAWING C11032

LEGEND:	
	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	EXISTING ELECTRICITY
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
	INDICATIVE POND LAYOUT
	EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
	KERB AND GUTTER (REFER PCC DWG. SD1003/1)
	KERB AND TOE (REFER PCC DWG. SD1003/1)
	REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
	VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
	KERB RAMP (REFER PCC DWG. SD1002)
	LIMIT OF WORKS
	PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
	PROPOSED STORMWATER JUNCTION PIT
	PROPOSED STORMWATER SURFACE INLET PIT
	PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
	PROPOSED STORMWATER PIPE WITH HEADWALL
	SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
	PROPOSED STORMWATER LINE
	PROPOSED TRUNK DRAINAGE LINE
	TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
	20m NATURALISED TRUNK DRAINAGE CHANNEL. REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
	PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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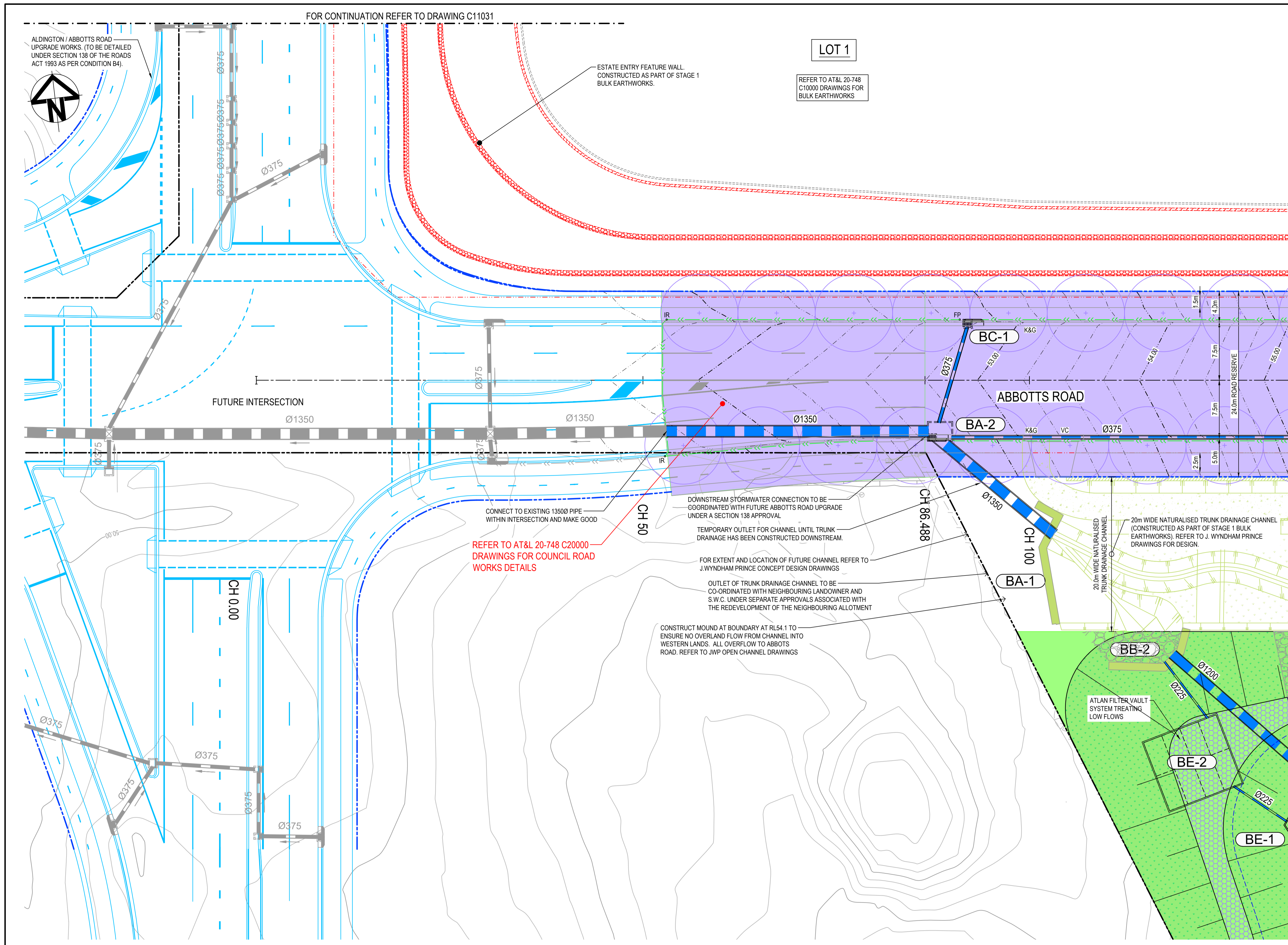
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1**

Civil Engineers and Project Managers

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

Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11031	Issue
		5

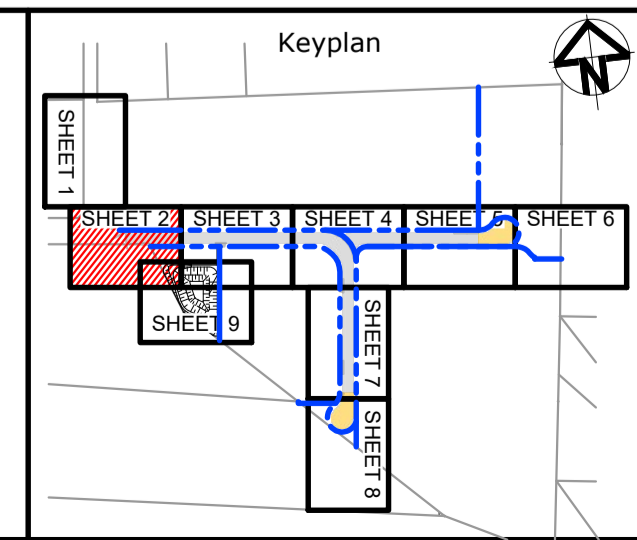
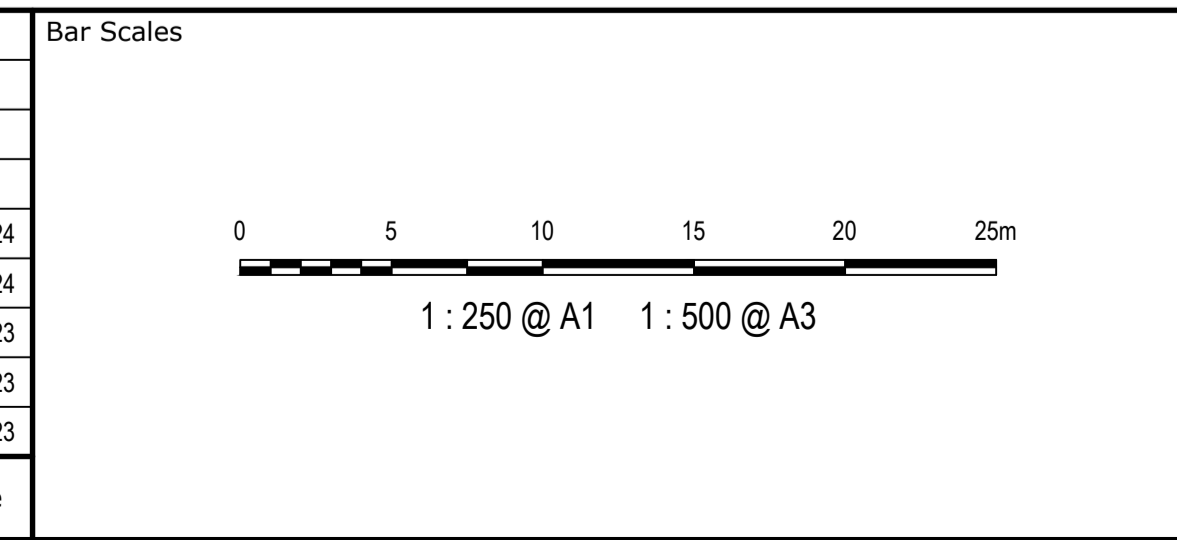


**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
- KERB AND GUTTER (REFER PCC DWG. SD1003(1))
- KERB AND TOE (REFER PCC DWG. SD1003(1))
- REINFORCED DISH CROSSING (REFER PCC DWG. SD1003(2))
- VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

FOR CONTINUATION REFER TO DRAWING C11033

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

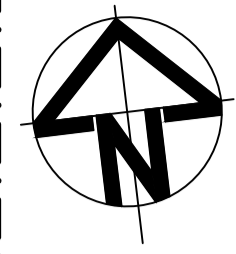
Title

**ROADWORKS AND STORMWATER DRAINAGE 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	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	20-748-C11032	Issue
		5

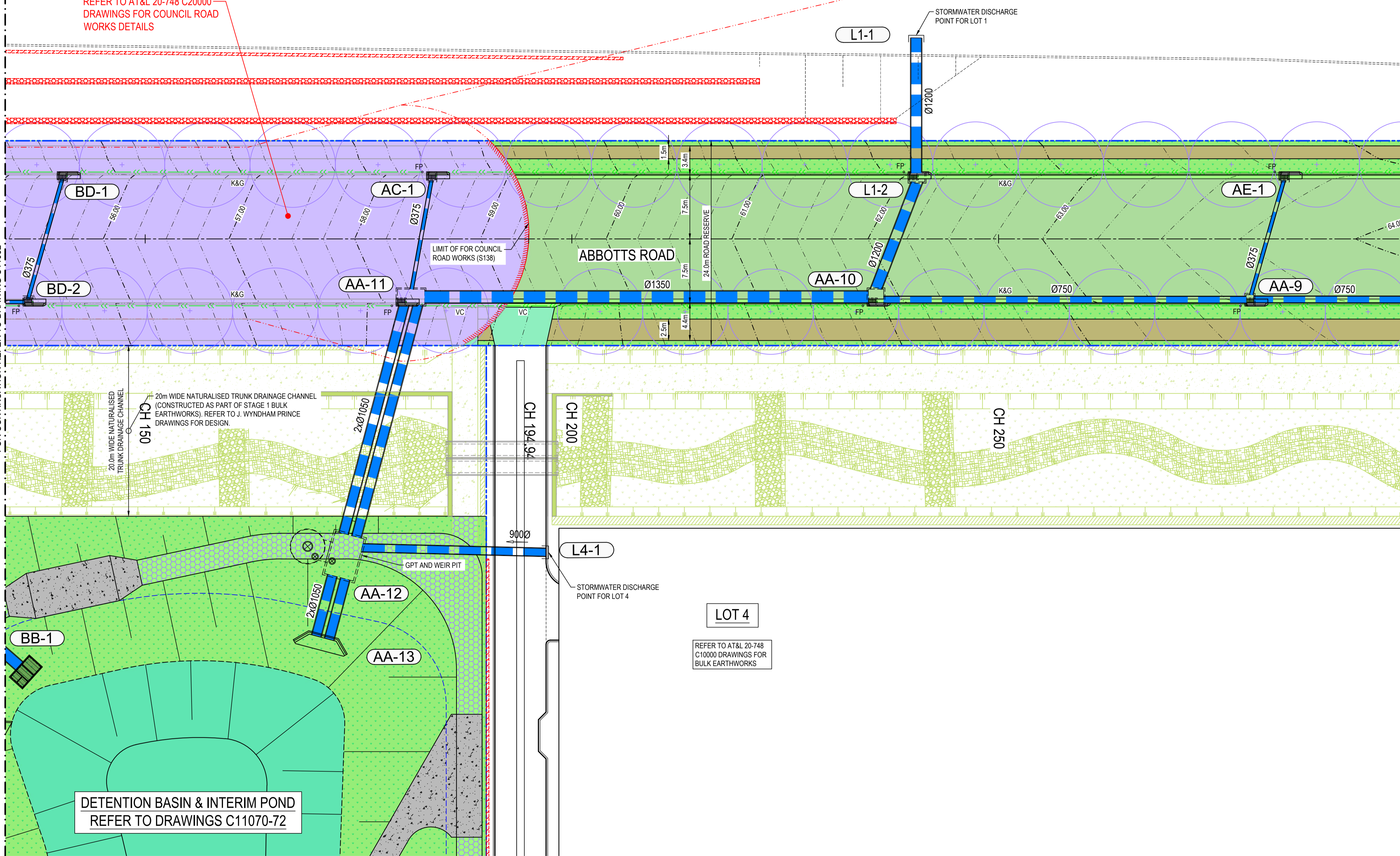


**LOT 1**  
REFER TO AT&L 20-748 C10000 DRAWINGS FOR BULK EARTHWORKS

REFER TO AT&L 20-748 C20000 DRAWINGS FOR COUNCIL ROAD WORKS DETAILS

FOR CONTINUATION REFER TO DRAWING C11032

FOR CONTINUATION REFER TO DRAWING C11034



**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR (-70.00)
- PROPOSED MINOR CONTOUR (-70.20)
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O.
- K&G KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- K&T KERB AND TOE (REFER PCC DWG. SD1003/1)
- DC REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VC VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- PR KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- FP SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

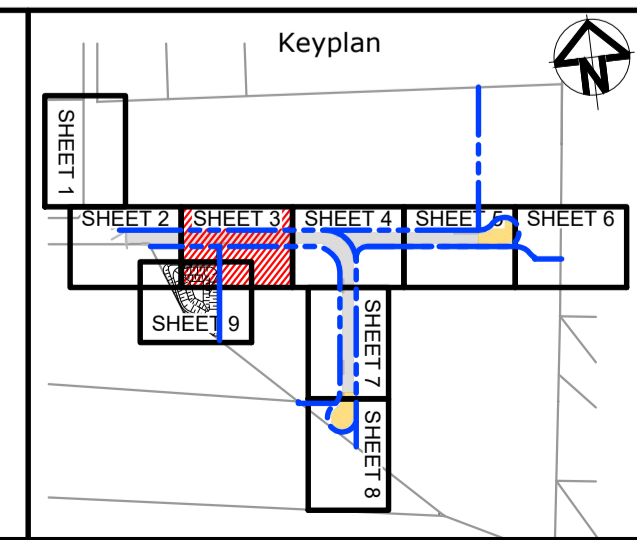
**DETENTION BASIN & INTERIM POND**  
REFER TO DRAWINGS C11070-72

**LOT 4**  
REFER TO AT&L 20-748 C10000 DRAWINGS FOR BULK EARTHWORKS

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

1 : 250 @ A1    1 : 500 @ A3



Client

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

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3**

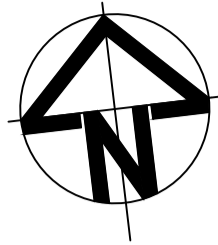
Civil Engineers and Project Managers

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

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

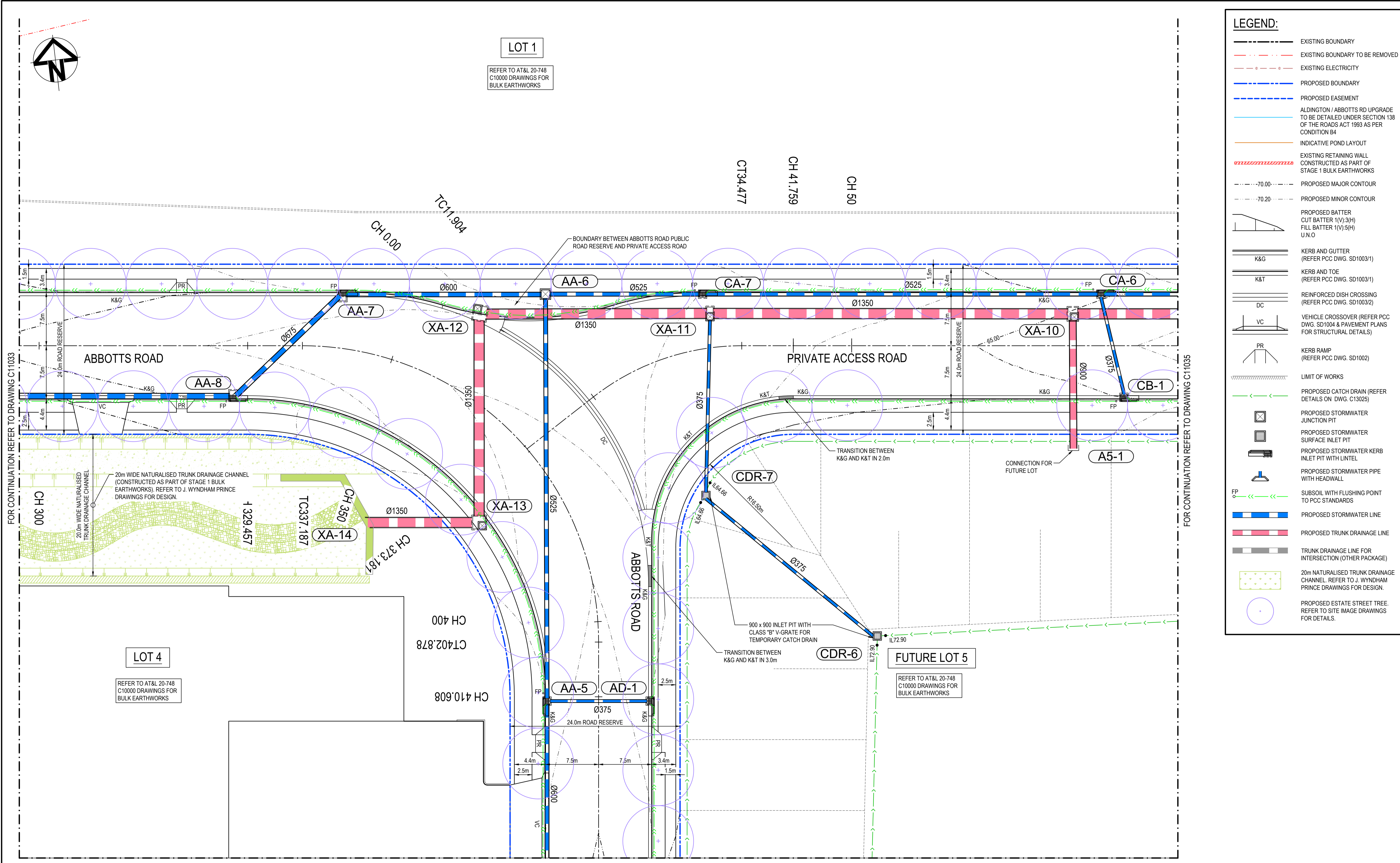
Project - Drawing No. **20-748-C11033**

Issue **5**



LOT 1

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS



**LEGEND:**

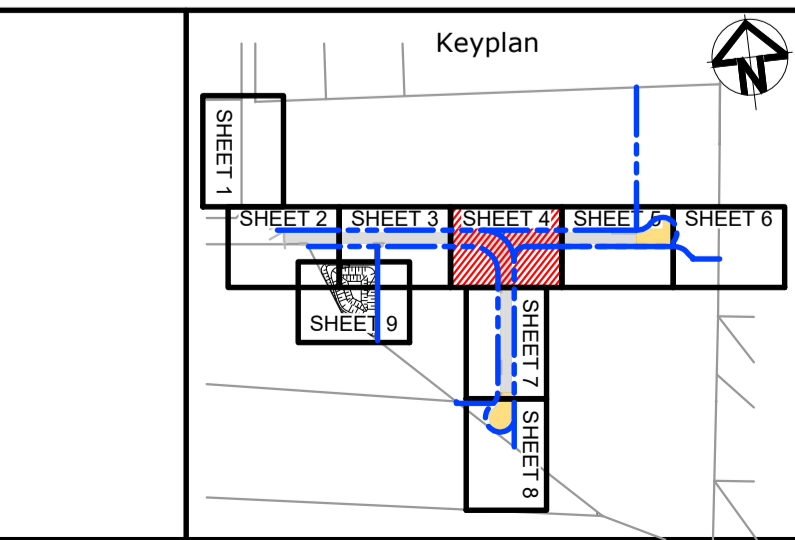
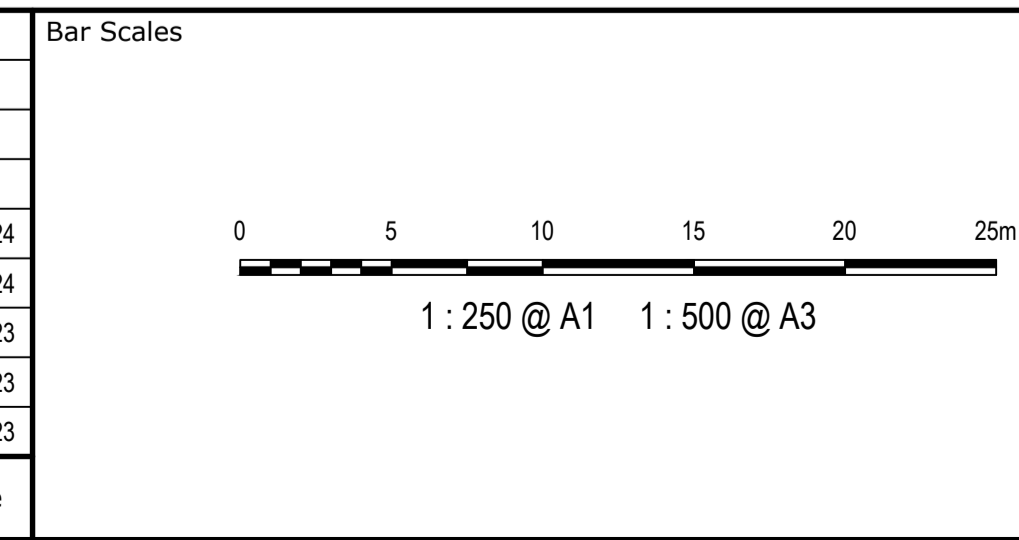
- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.O
- KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- KERB AND TOE (REFER PCC DWG. SD1003/1)
- REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

FOR CONTINUATION REFER TO DRAWING C11033

FOR CONTINUATION REFER TO DRAWING C11033

FOR CONTINUATION REFER TO DRAWING C11037

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

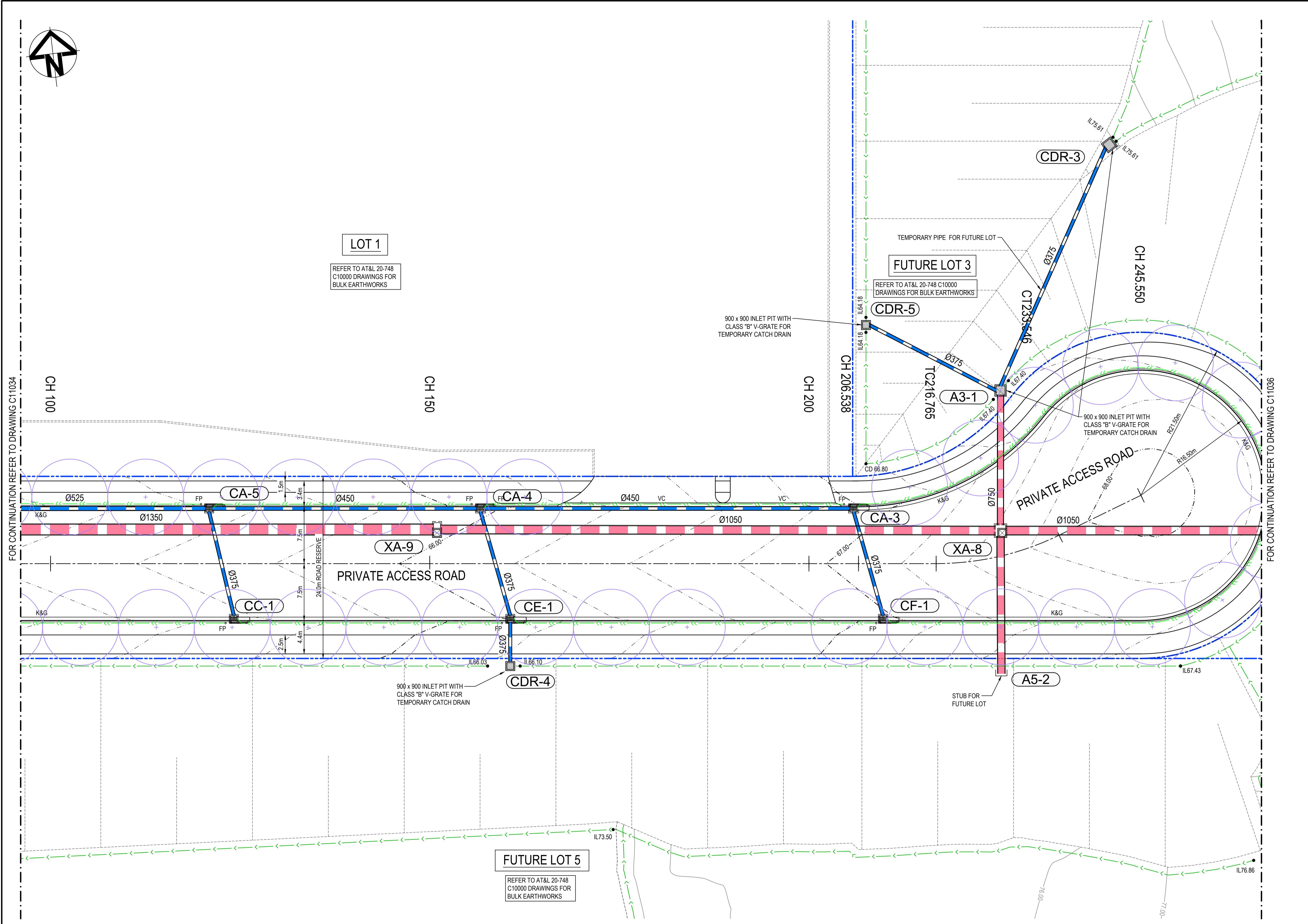
Title

**ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4**

Civil Engineers and Project Managers

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

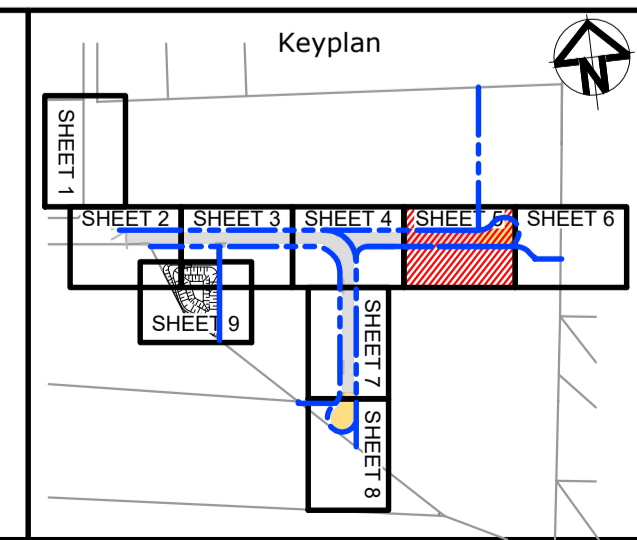
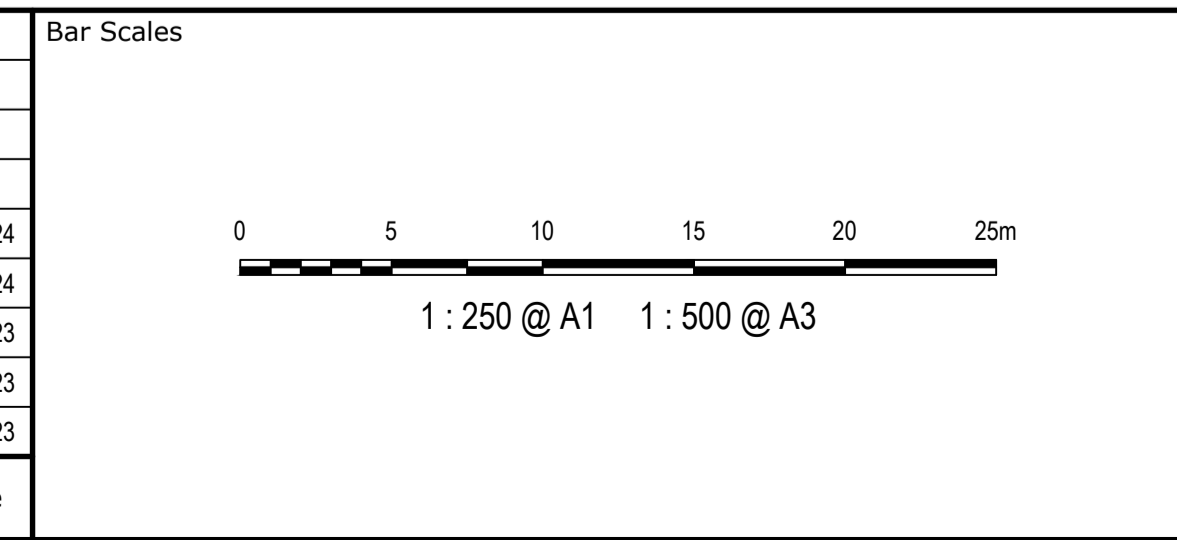
Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11034	Issue
		5



**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
- K&G KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- K&T KERB AND TOE (REFER PCC DWG. SD1003/1)
- DC REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VC VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- PR KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

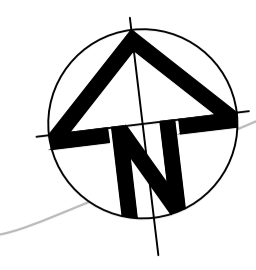
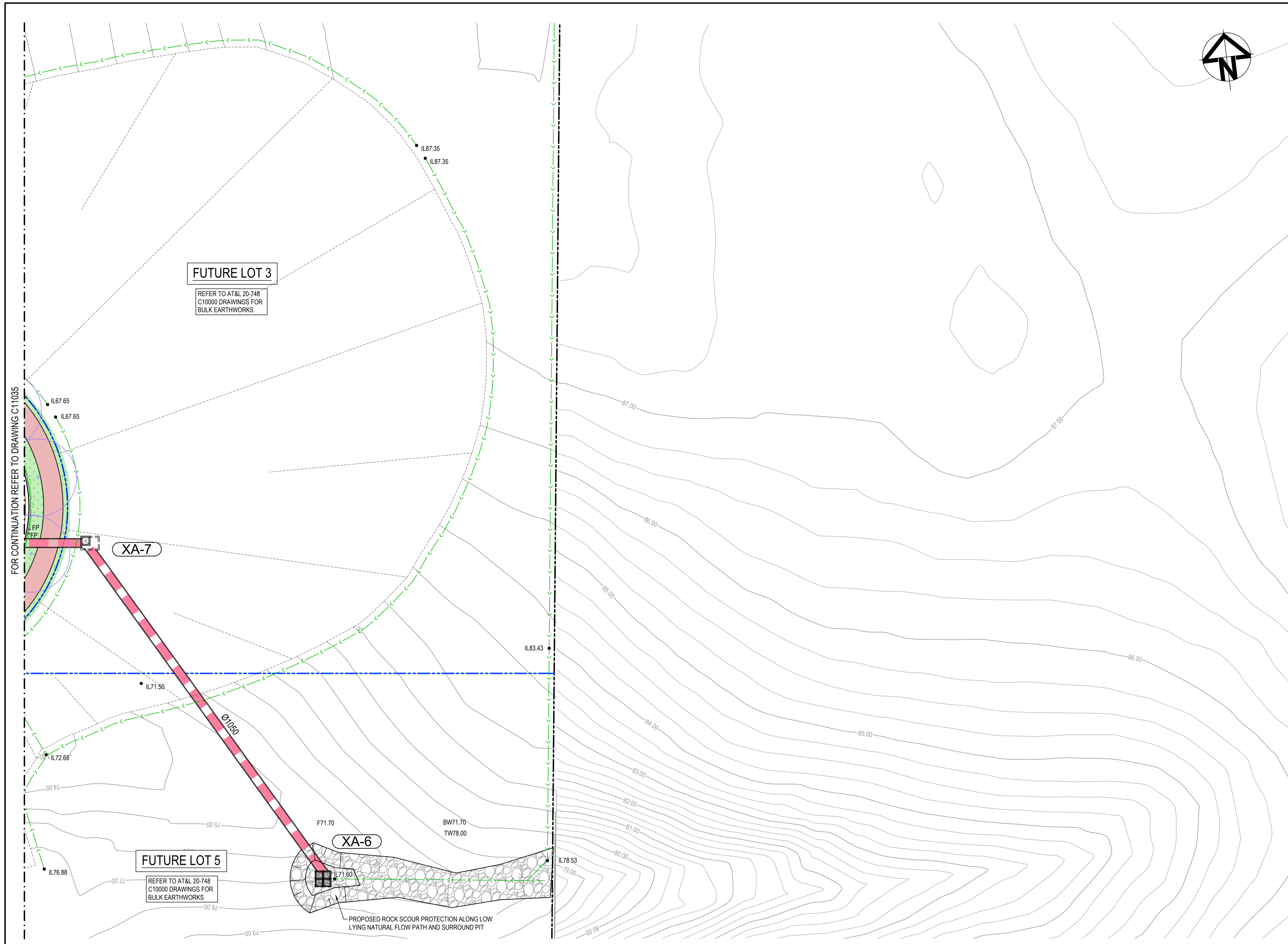
**ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5**

Civil Engineers and Project Managers

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	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	<b>20-748-C11035</b>	Issue
		<b>5</b>

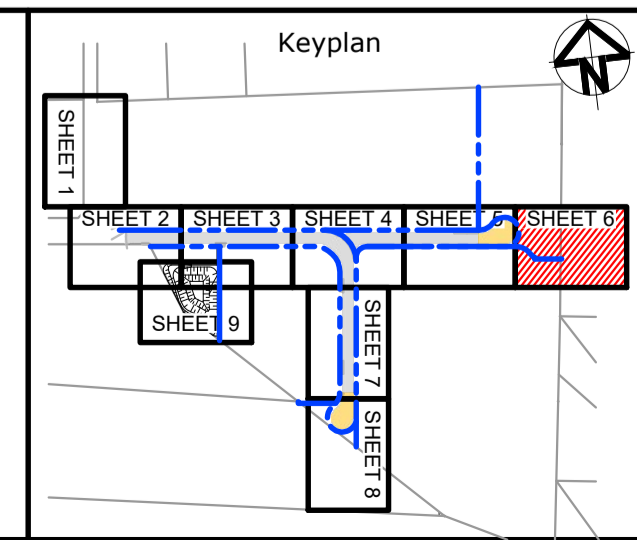
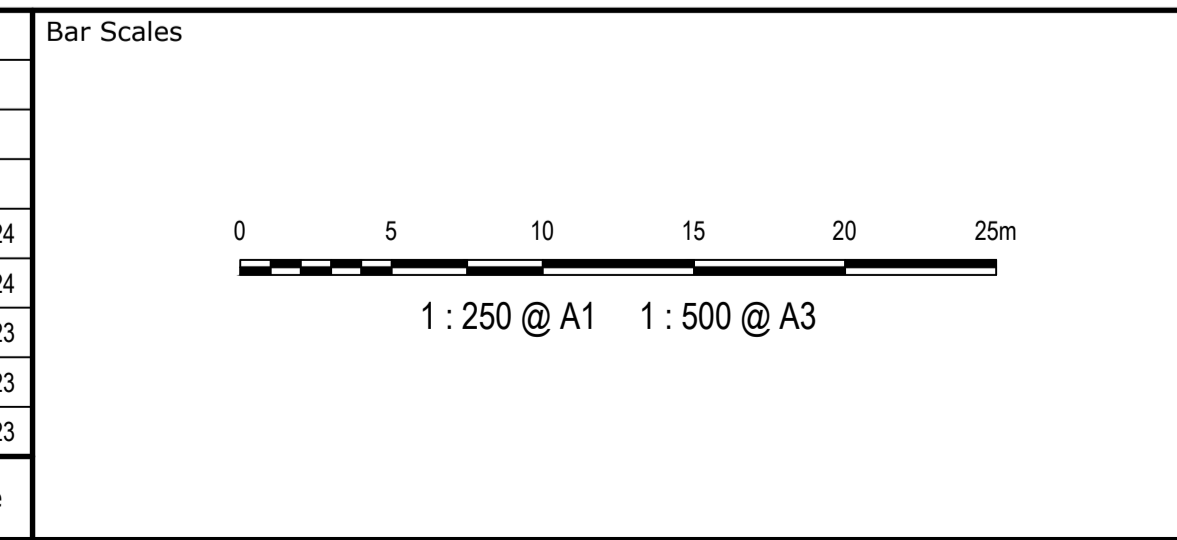




**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER  
CUT BATTER 1(V):3(H)  
FILL BATTER 1(V):5(H)  
U.N.O
- KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- KERB AND TOE (REFER PCC DWG. SD1003/1)
- REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



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

GDA2020

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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

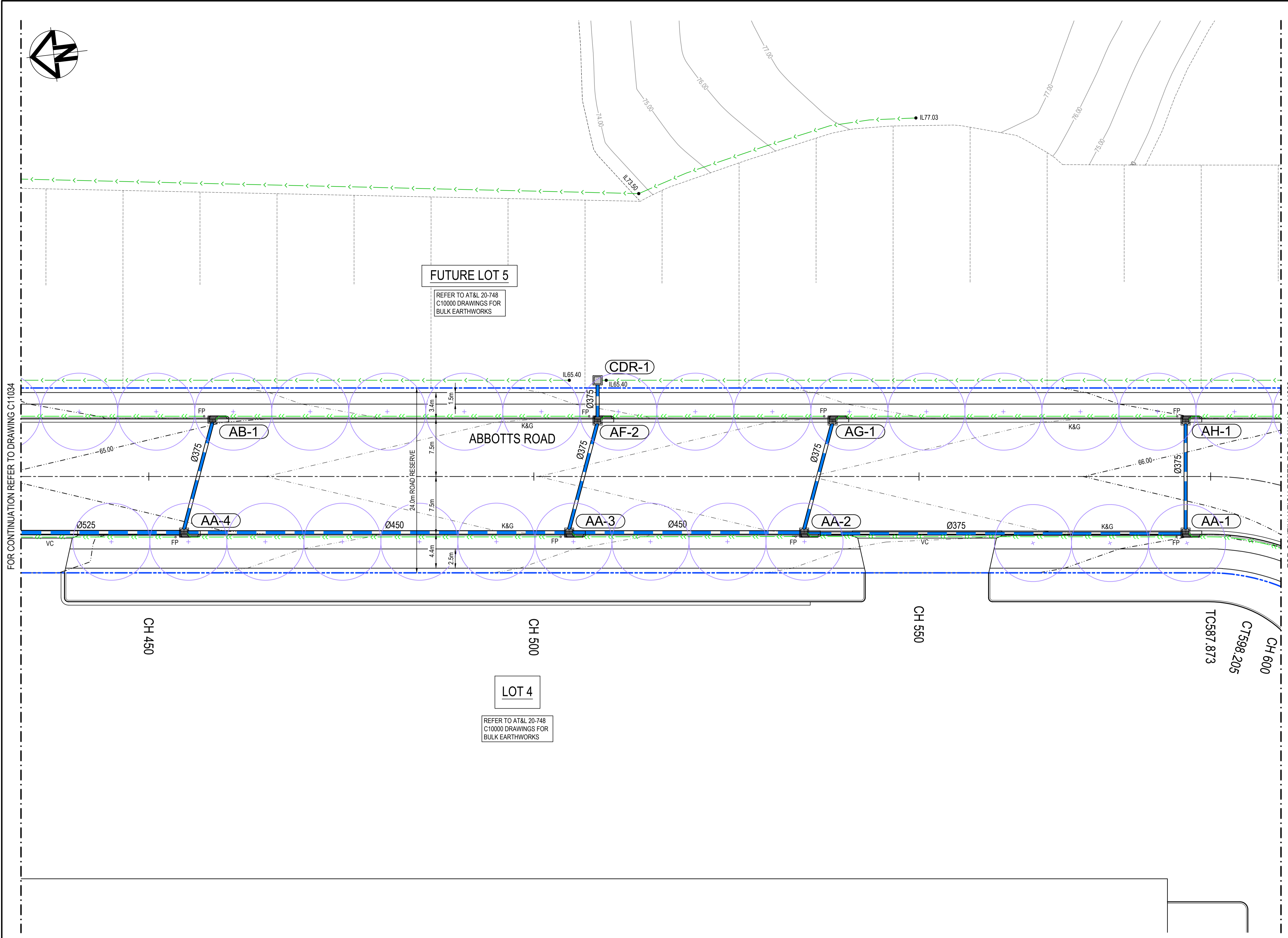
Title  
**ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6**

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 <b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	Issue <b>5</b>
--	-------------------

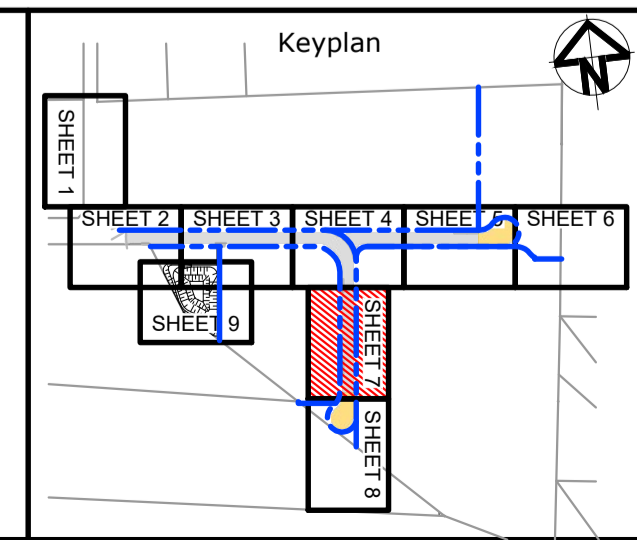
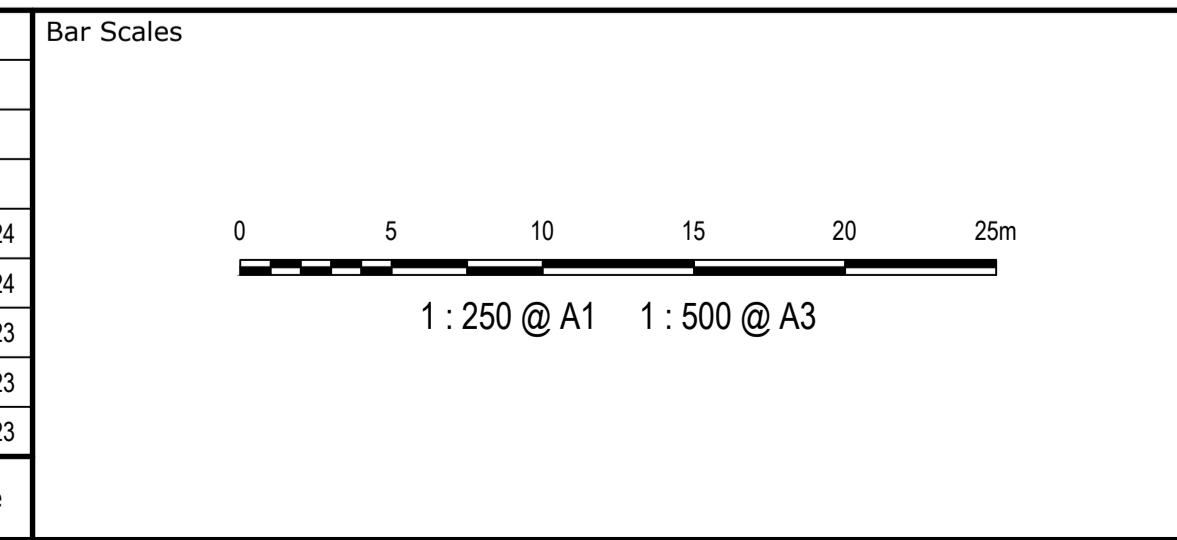
Project - Drawing No.  
**20-748-C11036**



**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
- K&G KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- K&T KERB AND TOE (REFER PCC DWG. SD1003/1)
- DC REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VC VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- PR KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- FP SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



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

GDA2020

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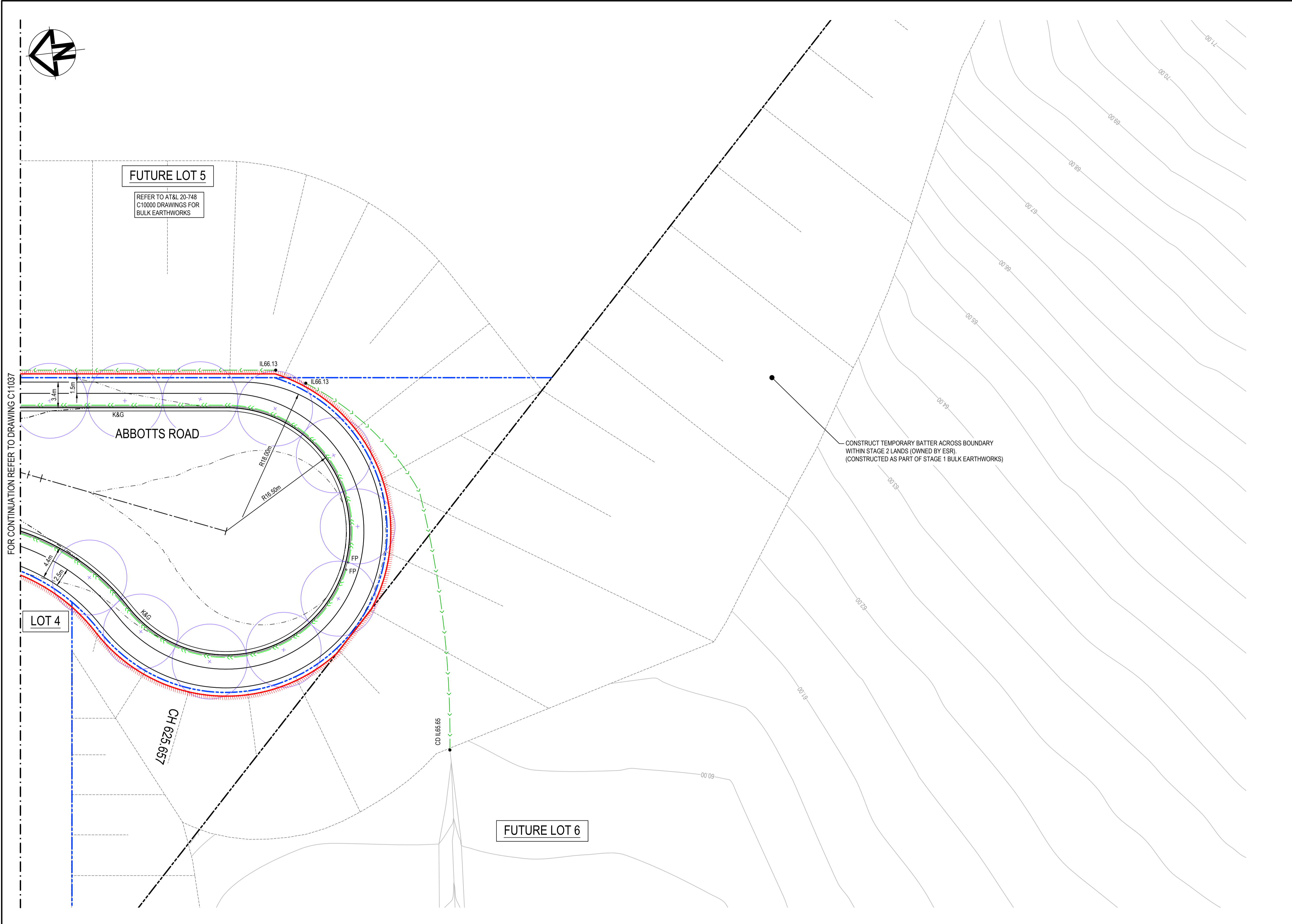
Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**ROADWORKS AND STORMWATER DRAINAGE 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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11037	Issue
		5



**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
- INDICATIVE POND LAYOUT
- EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
- K&G KERB AND GUTTER (REFER PCC DWG. SD1003/1)
- K&T KERB AND TOE (REFER PCC DWG. SD1003/1)
- DC REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
- VC VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
- PR KERB RAMP (REFER PCC DWG. SD1002)
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- FP SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
- PROPOSED STORMWATER LINE
- PROPOSED TRUNK DRAINAGE LINE
- TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
- 20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

FOR CONTINUATION REFER TO DRAWING C11037

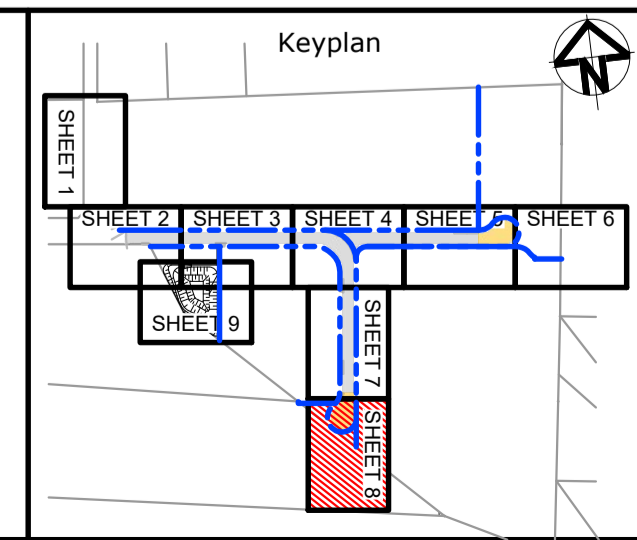
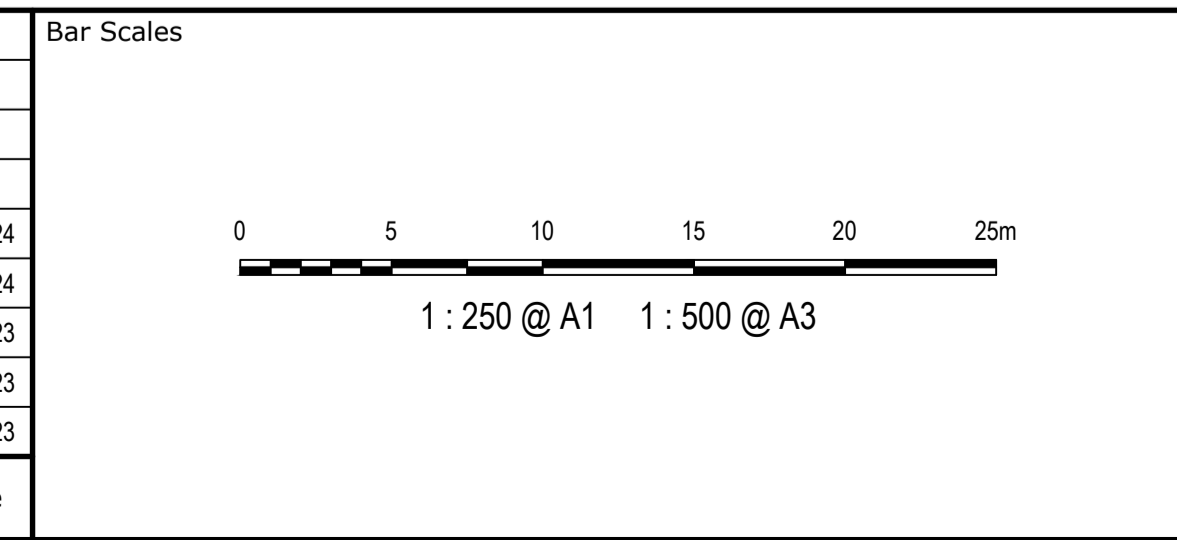
CONSTRUCT TEMPORARY BATTER ACROSS BOUNDARY WITHIN STAGE 2 LANDS (OWNED BY ESR). (CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS)

**FUTURE LOT 5**  
REFER TO AT&L 20-748 C10000 DRAWINGS FOR BULK EARTHWORKS

**LOT 4**

**FUTURE LOT 6**

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 8**

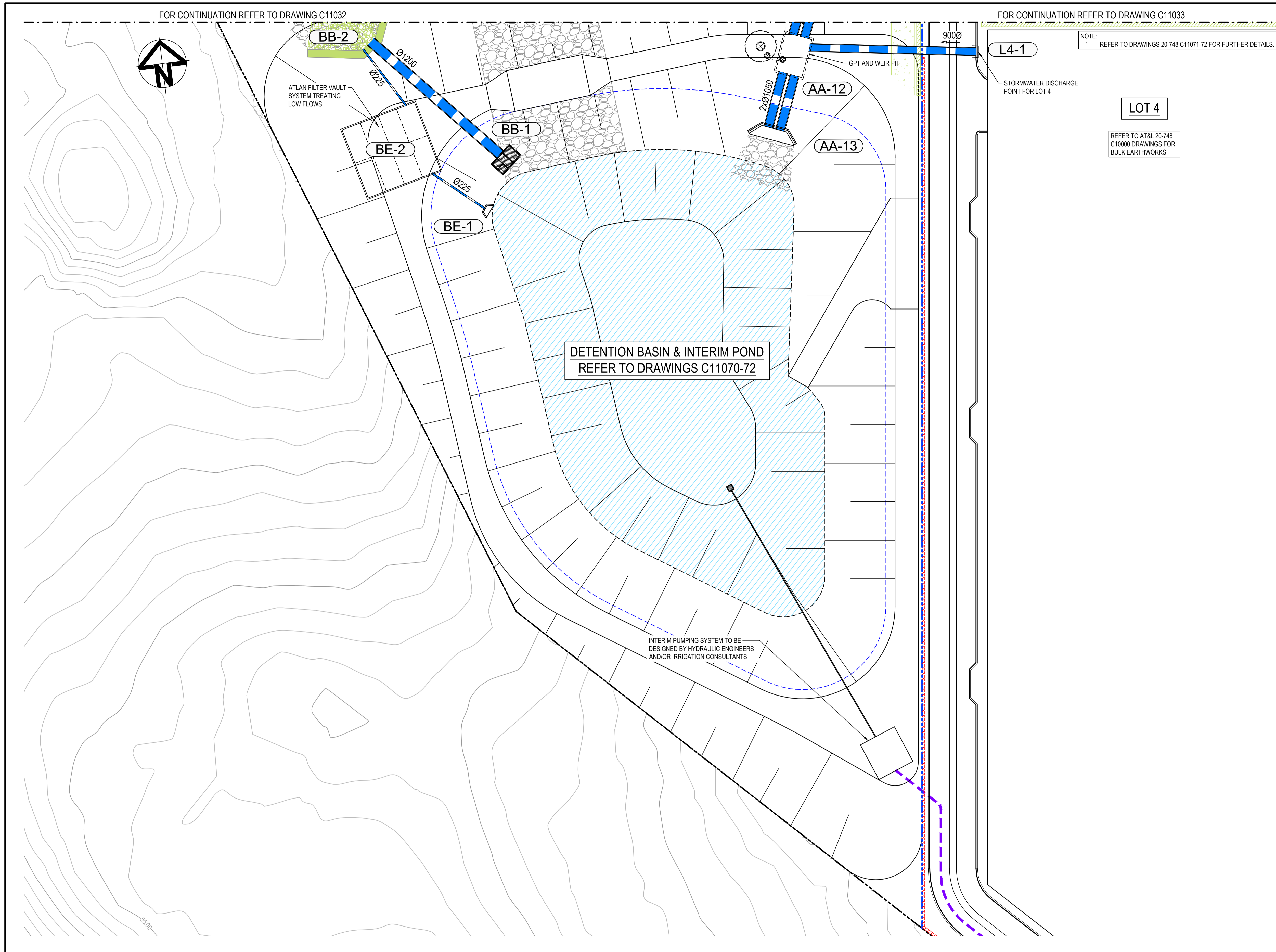
Civil Engineers and Project Managers

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	<b>FOR APPROVAL</b>	A1
NOT TO BE USED FOR CONSTRUCTION		Issue
Project - Drawing No. 20-748-C11038		5

FOR CONTINUATION REFER TO DRAWING C11032

FOR CONTINUATION REFER TO DRAWING C11033

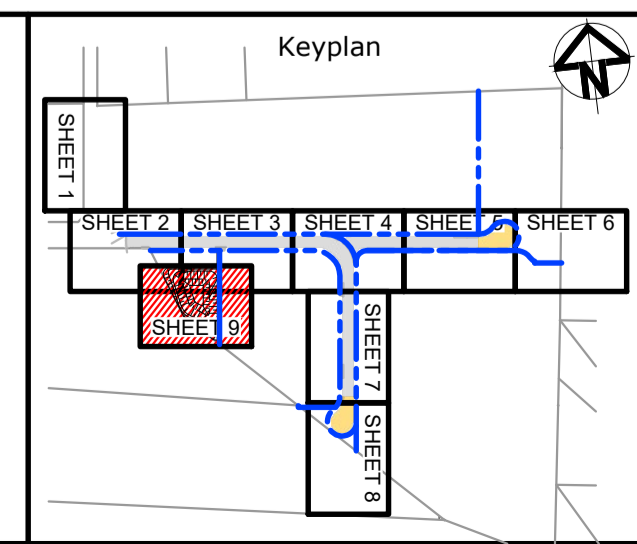
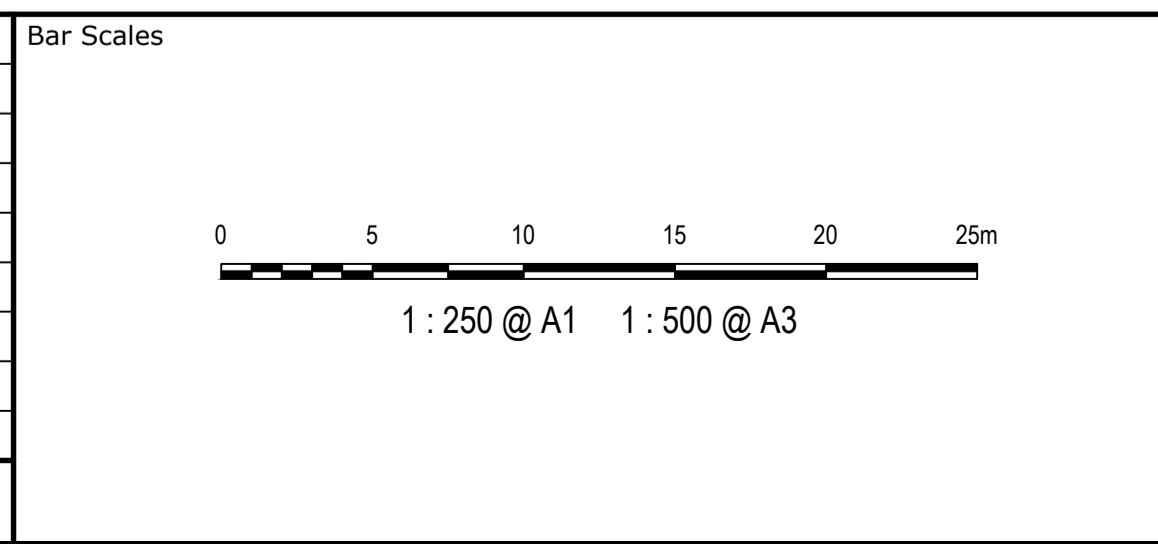


NOTE:  
1. REFER TO DRAWINGS 20-748 C11071-72 FOR FURTHER DETAILS.

**LOT 4**  
REFER TO AT&L 20-748 C10000 DRAWINGS FOR BULK EARTHWORKS

LEGEND:	
	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	EXISTING ELECTRICITY
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	ALDINGTON / ABBOTTS RD UPGRADE TO BE DETAILED UNDER SECTION 138 OF THE ROADS ACT 1993 AS PER CONDITION B4
	INDICATIVE POND LAYOUT
	EXISTING RETAINING WALL CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED BATTER CUT BATTER 1(V):3(H) FILL BATTER 1(V):5(H) U.N.O
	KERB AND GUTTER (REFER PCC DWG. SD1003/1)
	KERB AND TOE (REFER PCC DWG. SD1003/1)
	REINFORCED DISH CROSSING (REFER PCC DWG. SD1003/2)
	VEHICLE CROSSOVER (REFER PCC DWG. SD1004 & PAVEMENT PLANS FOR STRUCTURAL DETAILS)
	KERB RAMP (REFER PCC DWG. SD1002)
	LIMIT OF WORKS
	PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
	PROPOSED STORMWATER JUNCTION PIT
	PROPOSED STORMWATER SURFACE INLET PIT
	PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
	PROPOSED STORMWATER PIPE WITH HEADWALL
	SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
	PROPOSED STORMWATER LINE
	PROPOSED TRUNK DRAINAGE LINE
	TRUNK DRAINAGE LINE FOR INTERSECTION (OTHER PACKAGE)
	20m NATURALISED TRUNK DRAINAGE CHANNEL REFER TO J. WYNDHAM PRINCE DRAWINGS FOR DESIGN.
	PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

**ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 9**

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11039	Issue
		5

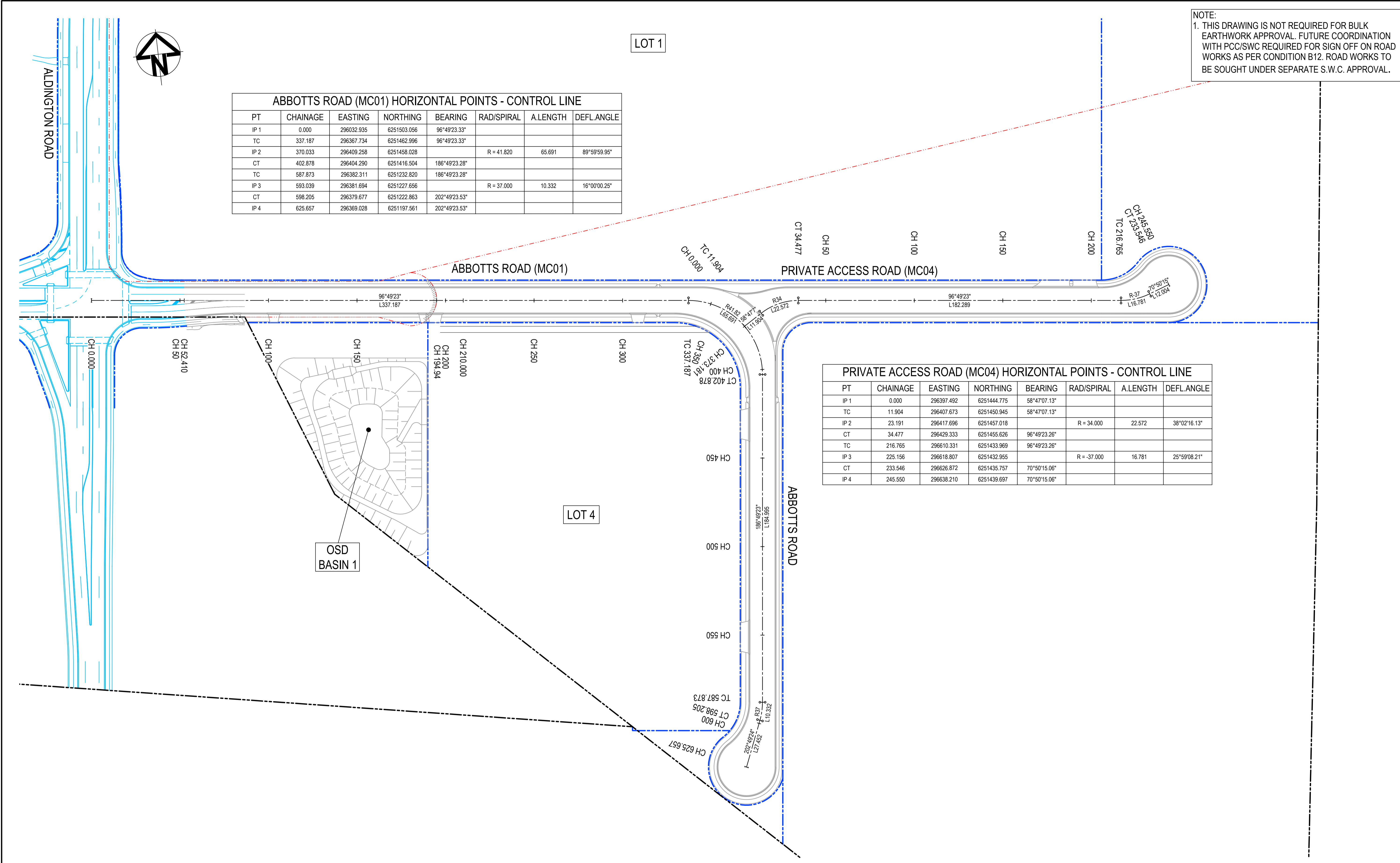
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

**ABBOTTS ROAD (MC01) HORIZONTAL POINTS - CONTROL LINE**

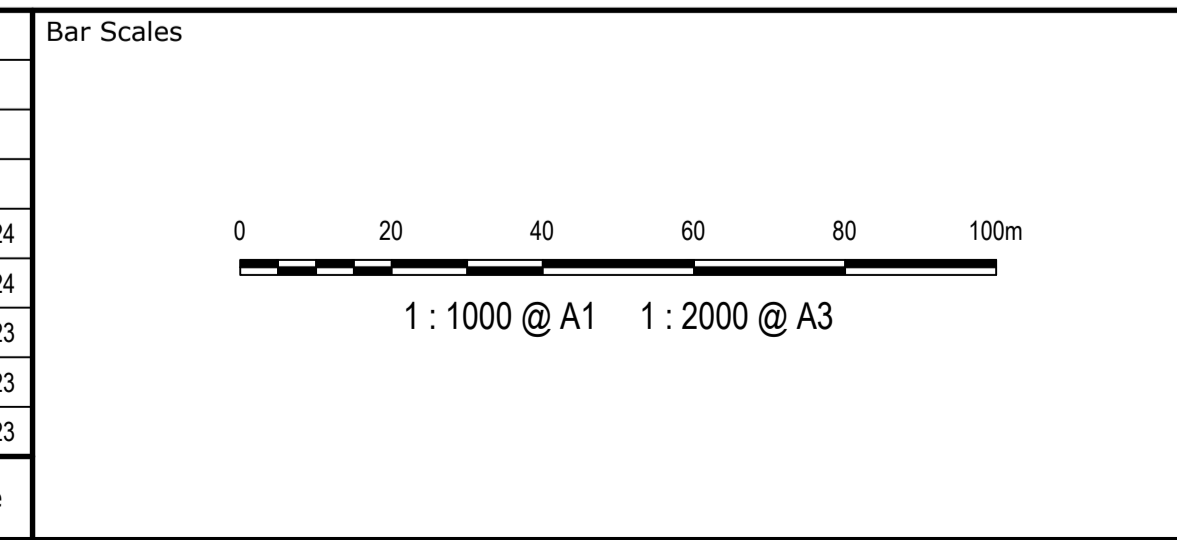
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296032.935	6251503.056	96°49'23.33"			
TC	337.187	296367.734	6251462.996	96°49'23.33"			
IP 2	370.033	296409.258	6251458.028		R = 41.820	65.691	89°59'59.95"
CT	402.878	296404.290	6251416.504	186°49'23.28"			
TC	587.873	296382.311	6251232.820	186°49'23.28"			
IP 3	593.039	296381.694	6251227.656		R = 37.000	10.332	16°00'00.25"
CT	598.205	296379.677	6251222.863	202°49'23.53"			
IP 4	625.657	296369.028	6251197.561	202°49'23.53"			

**PRIVATE ACCESS ROAD (MC04) HORIZONTAL POINTS - CONTROL LINE**

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296397.492	6251444.775	58°47'07.13"			
TC	11.904	296407.673	6251450.945	58°47'07.13"			
IP 2	23.191	296417.696	6251457.018		R = 34.000	22.572	38°02'16.13"
CT	34.477	296429.333	6251455.626	96°49'23.26"			
TC	216.785	296610.331	6251433.969	96°49'23.26"			
IP 3	225.156	296618.807	6251432.955		R = -37.000	16.781	25°59'08.21"
CT	233.546	296626.872	6251435.757	70°50'15.06"			
IP 4	245.550	296638.210	6251439.697	70°50'15.06"			



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 1000	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

**GDA2020**

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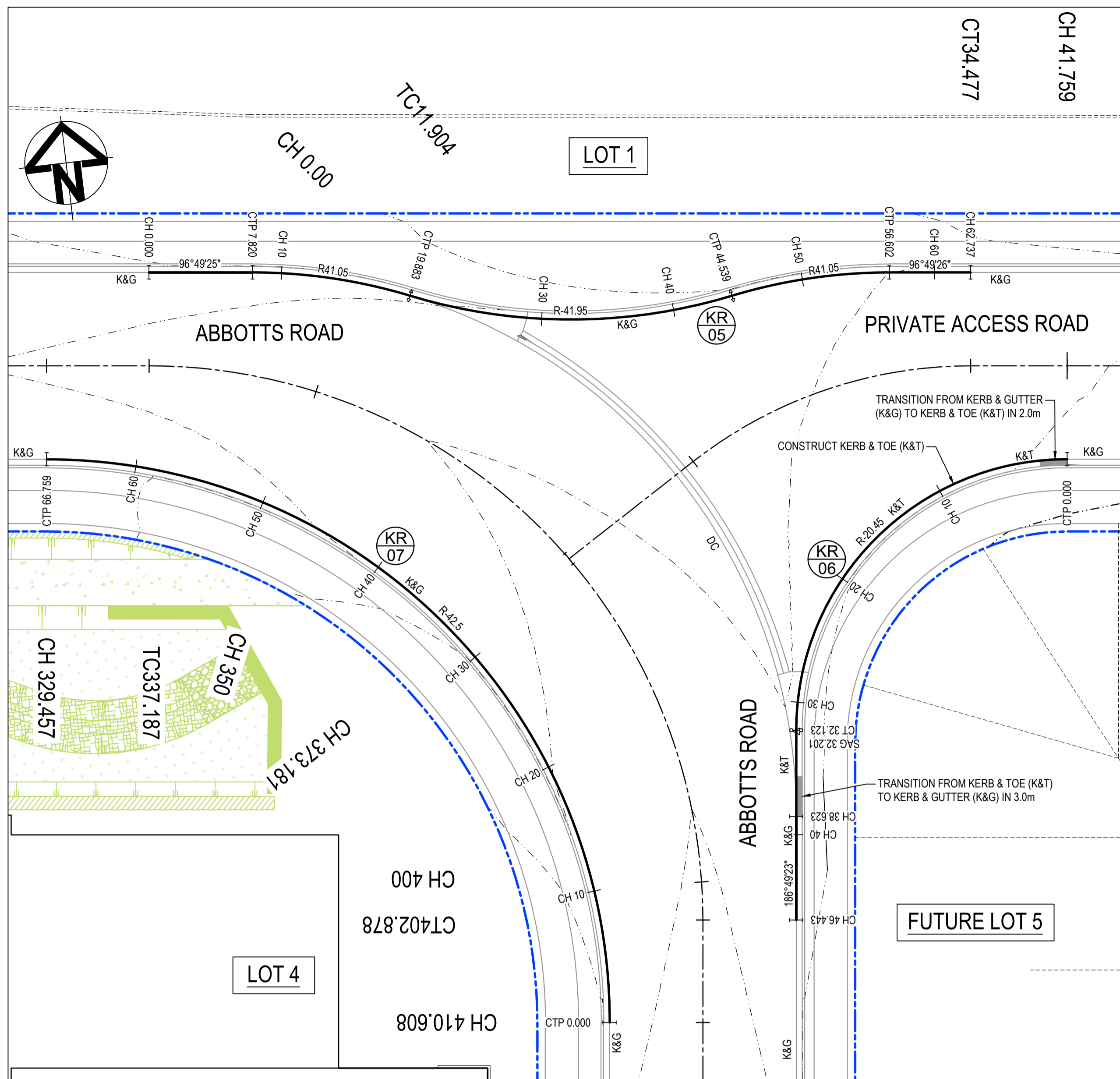
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **CONTROL LINE SETOUT PLAN**

Civil Engineers and Project Managers

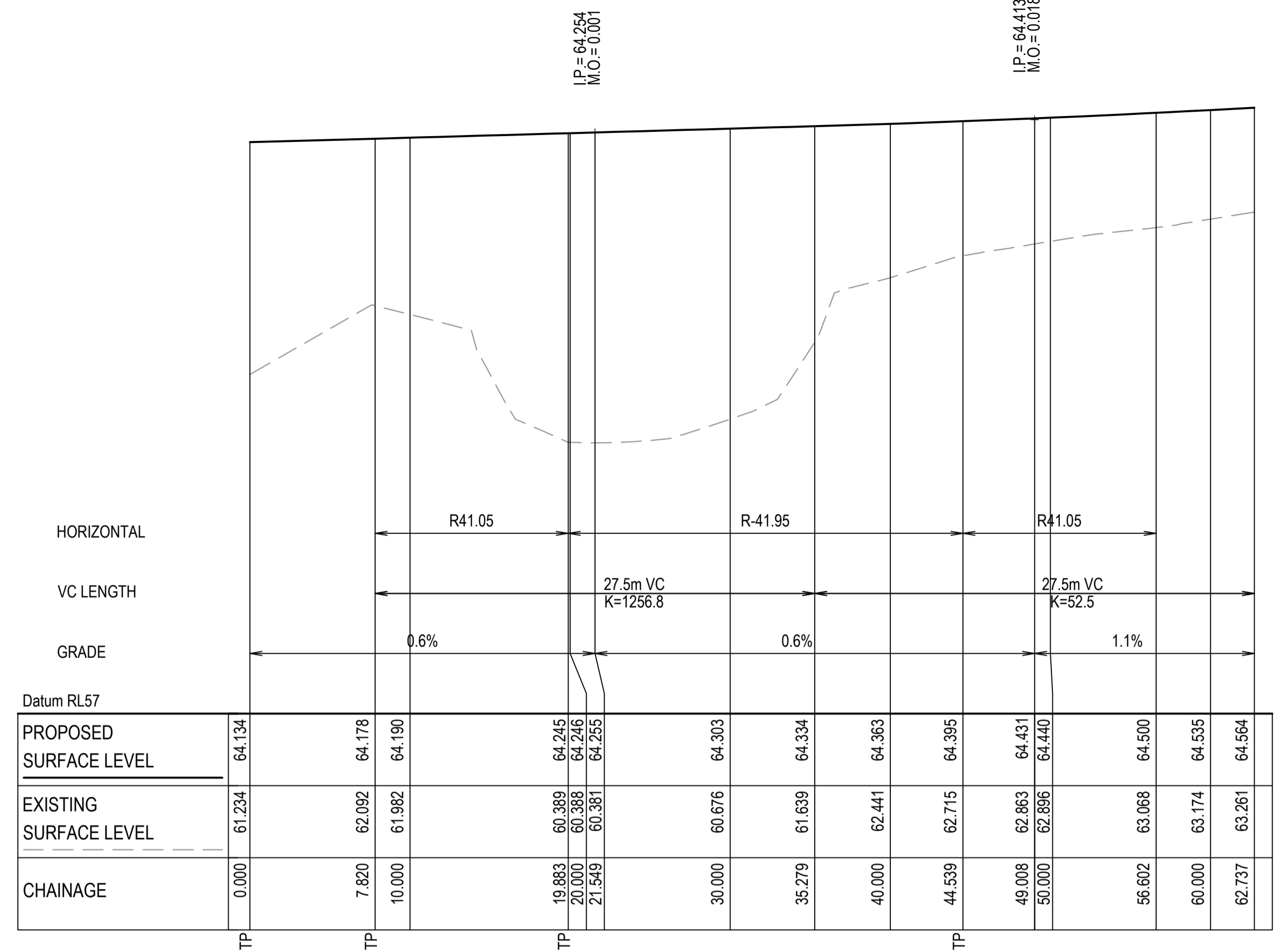
Level 7, 153 Walker Street  
 North Sydney NSW 2060  
 ABN 96 130 882 405  
 Tel: 02 9439 1777  
 Fax: 02 9923 1055  
 www.atl.net.au  
 info@atl.net.au

Status	<b>FOR APPROVAL</b>	A1
NOT TO BE USED FOR CONSTRUCTION		Issue
Project - Drawing No.		5
<b>20-748-C11040</b>		



PLAN  
SCALE 1 : 250

NOTE:  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



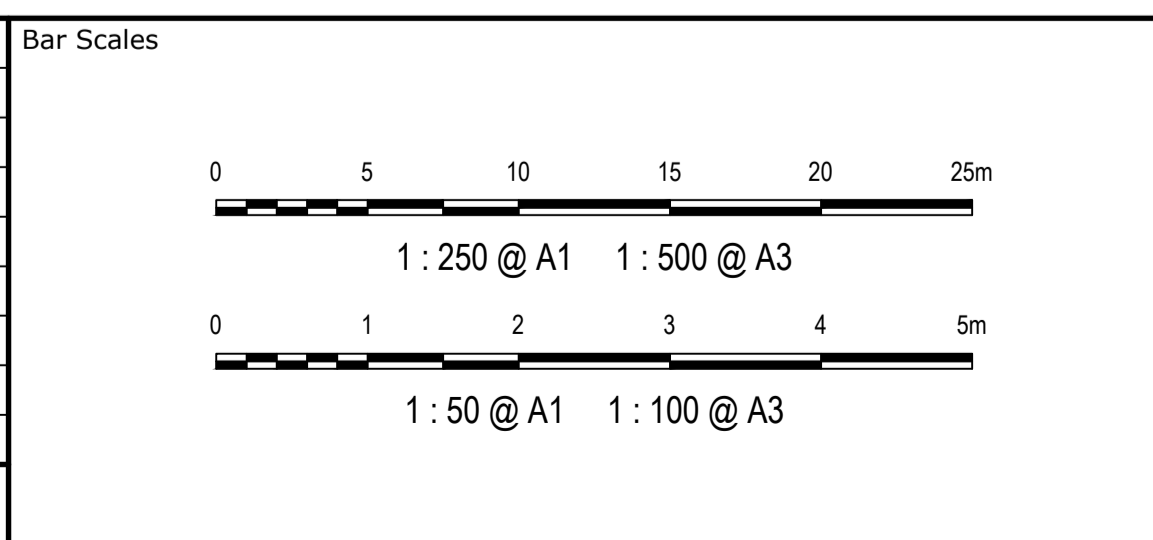
KR05 LONGITUDINAL SECTION  
SCALE 1:250 HORI.  
1:50 VERT.

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296368.572	6251469.997	96°49'24.53"			
TC	7.820	296379.337	6251469.067	96°49'24.53"			
IP 2	13.852	296382.369	6251468.346		R = 41.050	12.063	16°50'13.65"
CC	19.883	296387.934	6251465.907	113°39'38.18"			
IP 3	32.211	296399.562	6251460.813		R = -41.950	24.656	33°40'29.99"
CC	44.539	296412.064	6251463.020	79°59'08.18"			
IP 4	50.571	296418.047	6251464.077		R = 41.050	12.063	16°50'14.97"
IP 5	56.602	296424.079	6251463.355				
IP 6	62.737	296430.170	6251462.626	96°49'25.75"			

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296435.726	6251447.761	276°49'23.33"			
IP 2	16.061	296415.421	6251450.190		R = -20.450	32.123	90°00'00.00"
IP 3	32.123	296412.991	6251429.885				
IP 4	46.443	296411.290	6251415.667	186°49'22.86"			

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296396.371	6251409.667	6°49'23.33"			
IP 2	33.379	296401.420	6251451.866		R = -42.500	66.759	90°00'00.00"
IP 3	66.759	296399.221	6251456.915	276°49'23.33"			

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**INTERSECTION PLAN SHEET 1**

Civil Engineers and Project Managers

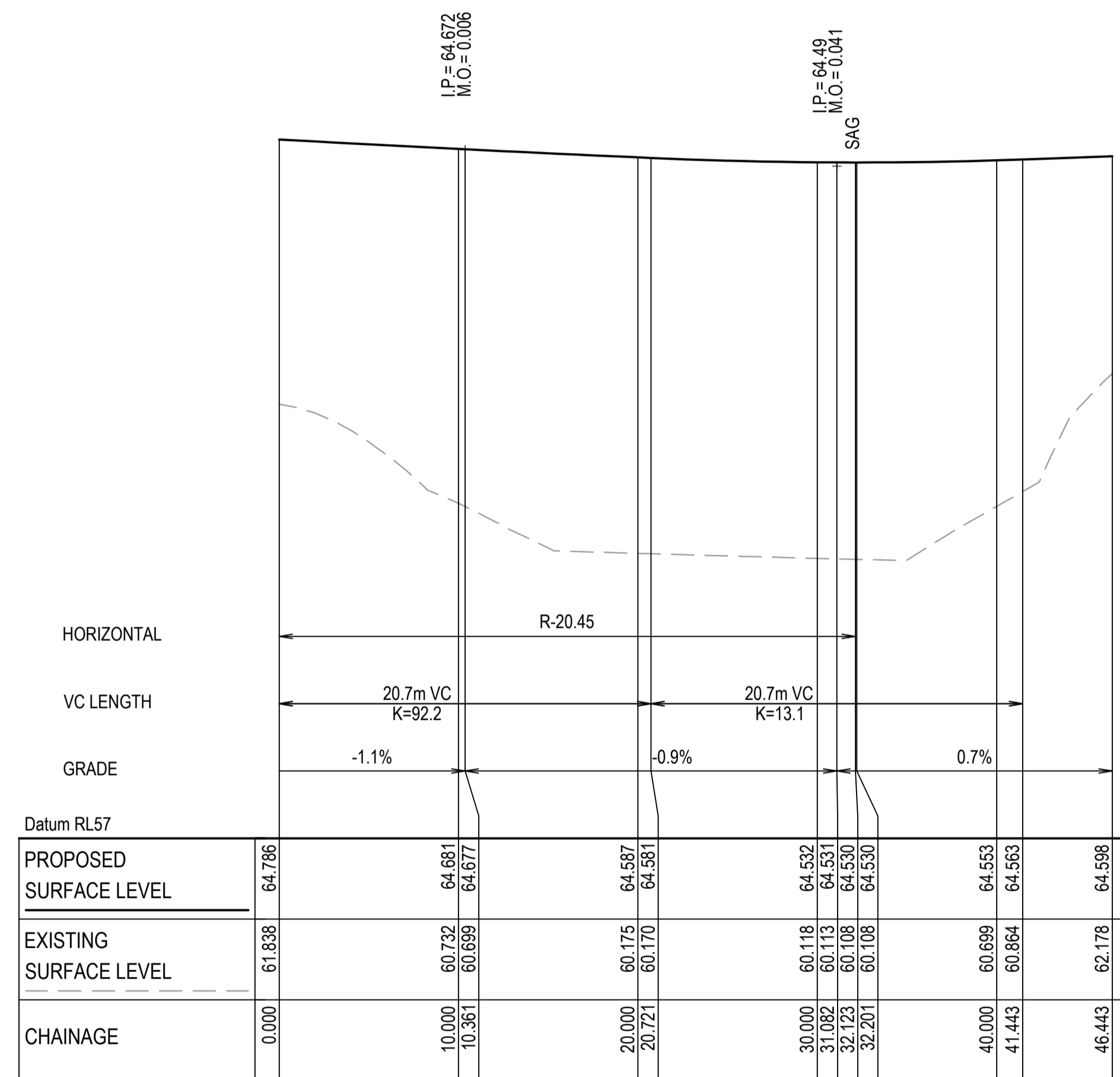
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

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

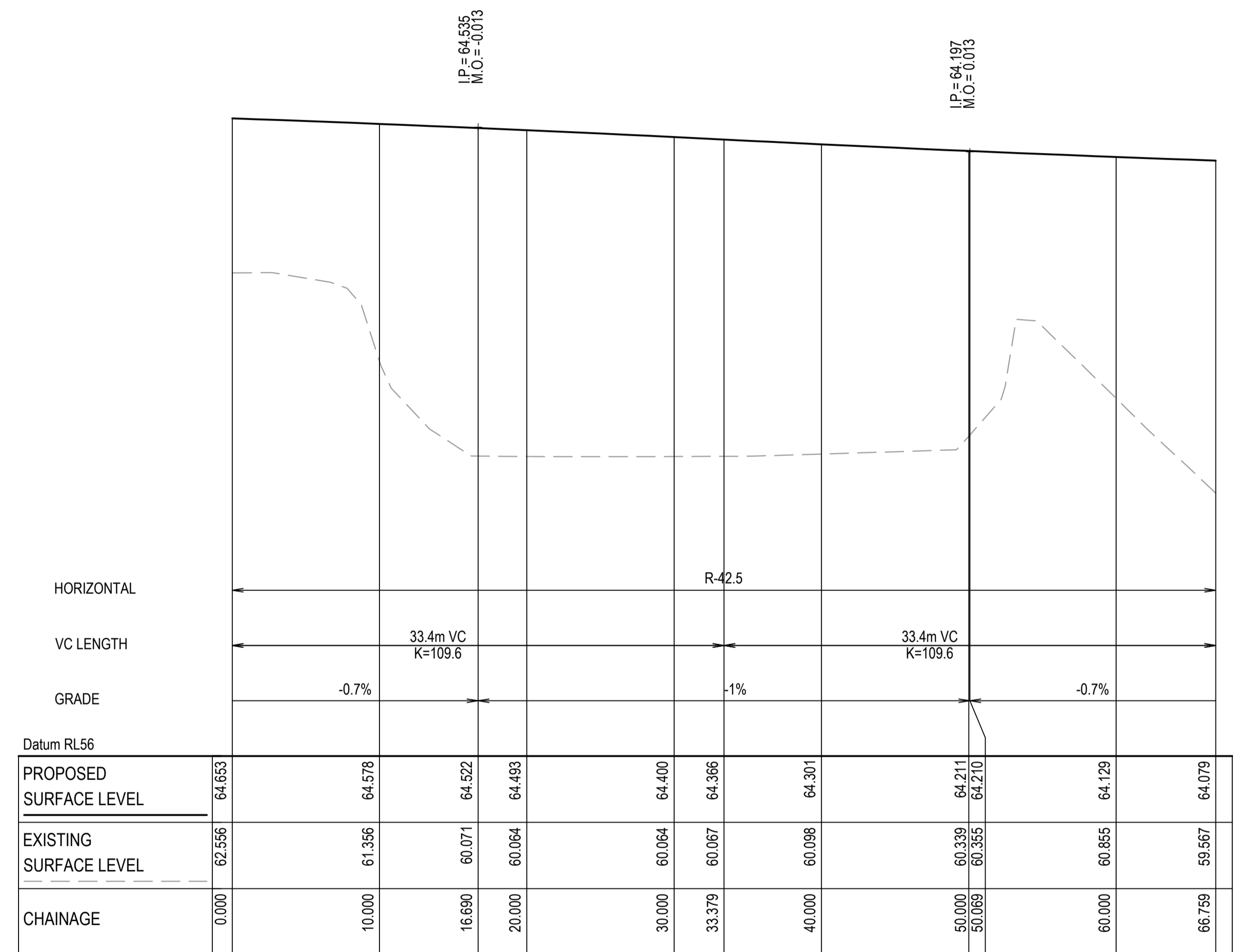
Project - Drawing No.  
**20-748-C11041**

Issue  
**5**

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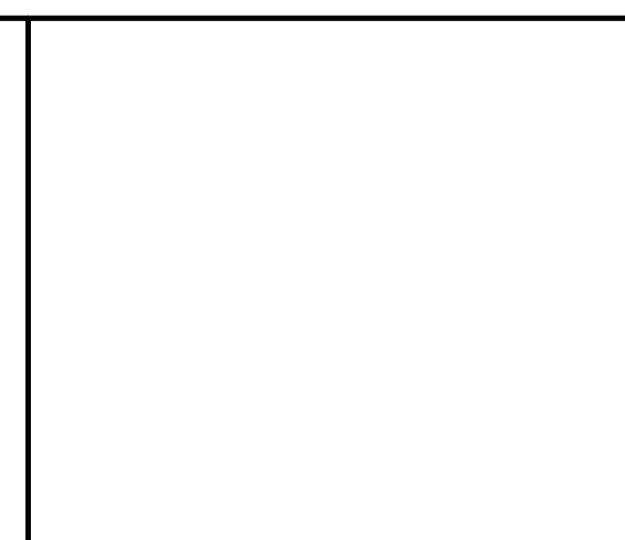
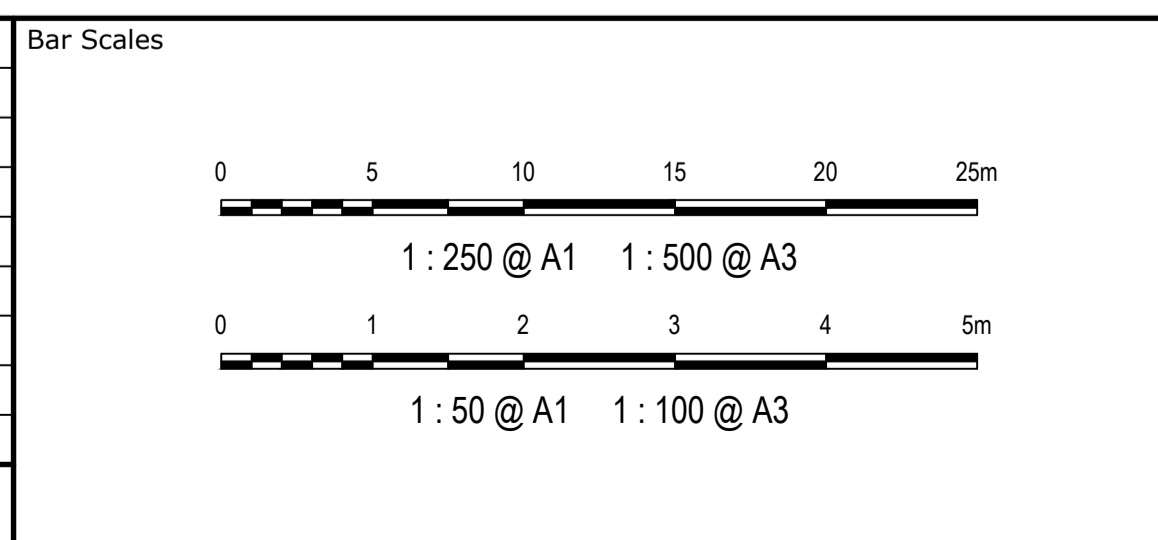


KR06 LONGITUDINAL SECTION  
SCALE 1:250 HORI.  
1:50 VERT.



KR07 LONGITUDINAL SECTION  
SCALE 1:250 HORI.  
1:50 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client	ESR
Scales	1 : 500 H
Grid	MGA2020
Height Datum	AHD
Drawn	LM
Checked	AT
Approved	
GDA2020	

Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title: INTERSECTION PLAN SHEET 2

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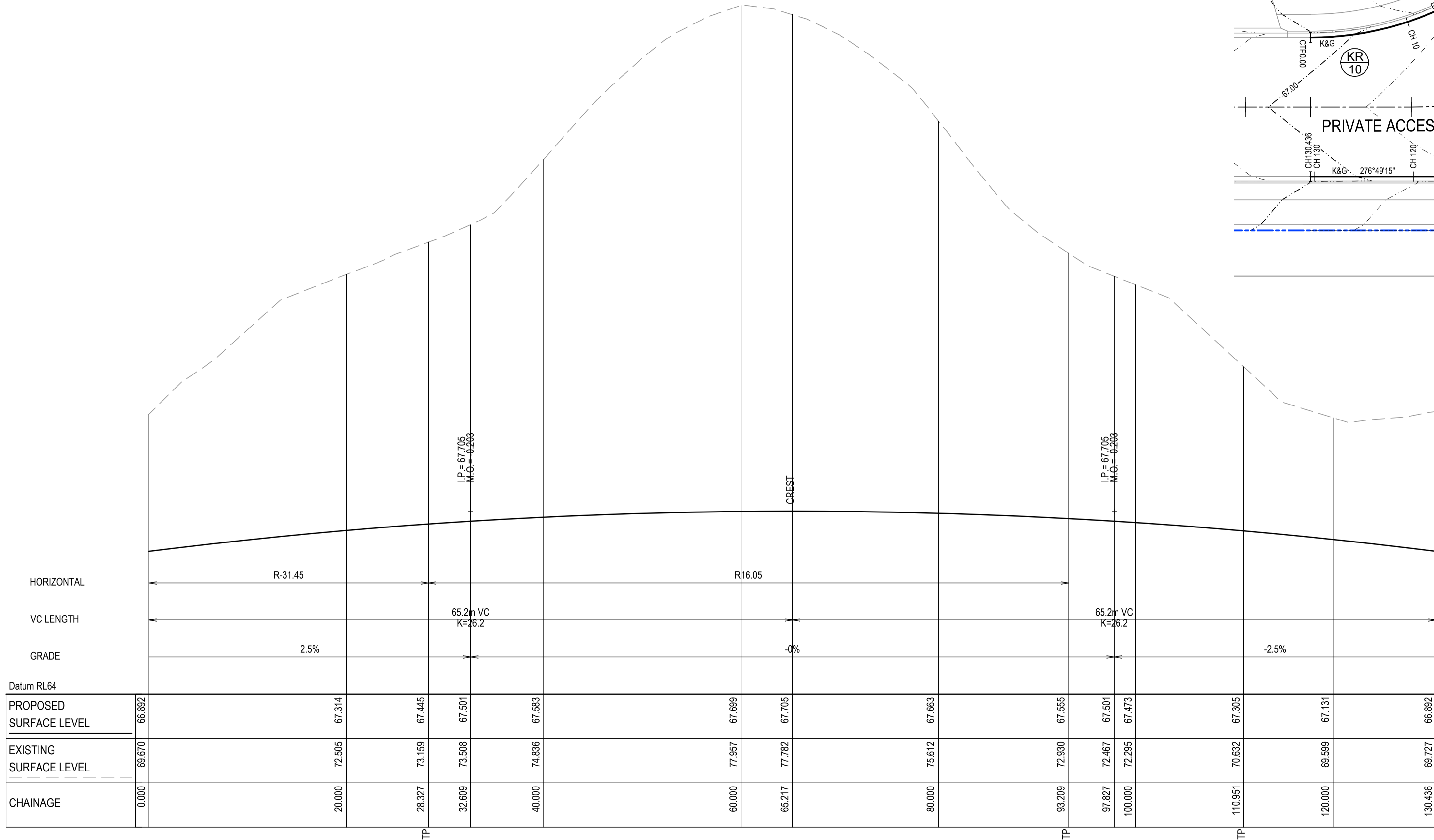
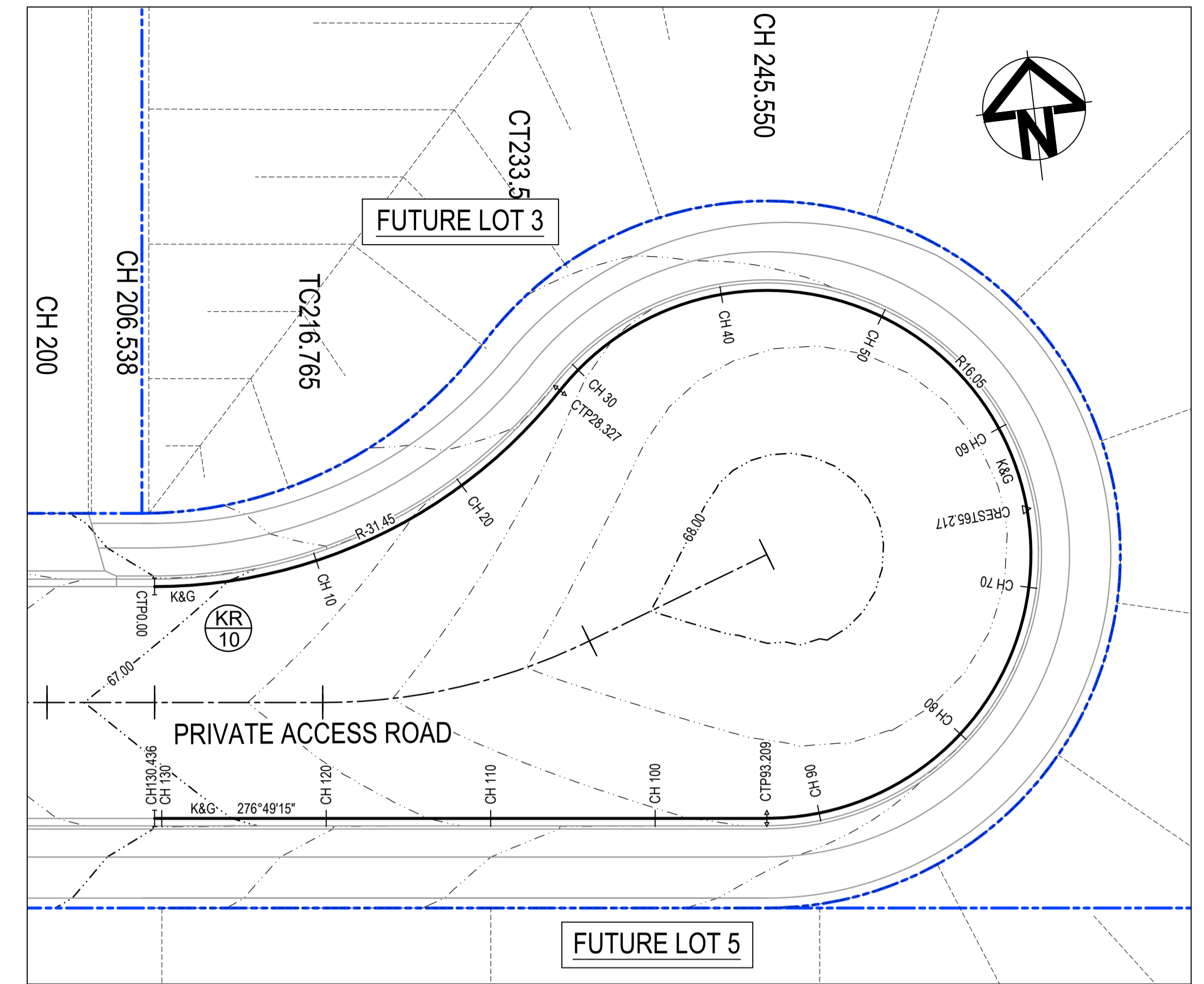
Status	FOR APPROVAL	A1
Project - Drawing No.	20-748-C11042	Issue
		5

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

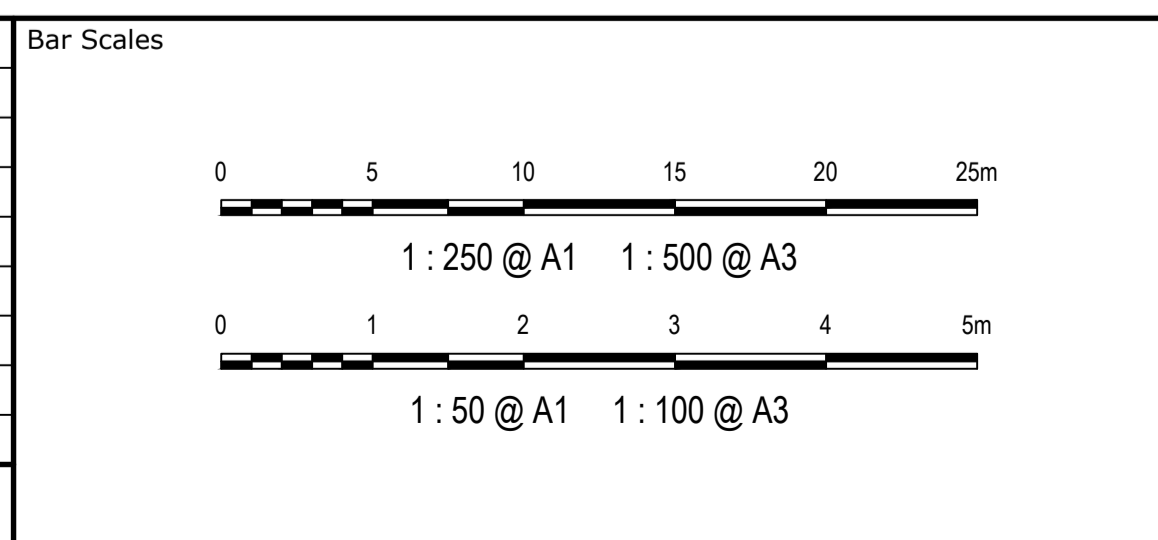
KR10 HORIZONTAL POINTS - CONTROL LINE (LIP)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296601.013	6251442.184	96°49'23.26"			
IP 2	14.164	296616.111	6251440.378		R = -31.450	28.327	51°36'24.95"
CC	28.327	296626.904	6251451.089	45°12'58.31"			
IP 3	44.548	296645.067	6251469.115		R = 16.050	32.441	115°48'26.46"
CC	60.768	296653.388	6251444.917	161°01'24.77"			
IP 4	76.988	296661.709	6251420.718		R = 16.050	32.441	115°48'26.46"
CC	93.209	296636.301	6251423.761	276°49'51.23"			
IP 5	102.080	296627.493	6251424.817			17.743	0°00'36.60"
CT	110.951	296618.684	6251425.870	276°49'14.63"			
IP 6	130.436	296599.338	6251428.184	276°49'14.63"			

NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



KR10 LONGITUDINAL SECTION  
 SCALE 1:250 HORI.  
 1:50 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 500 H	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

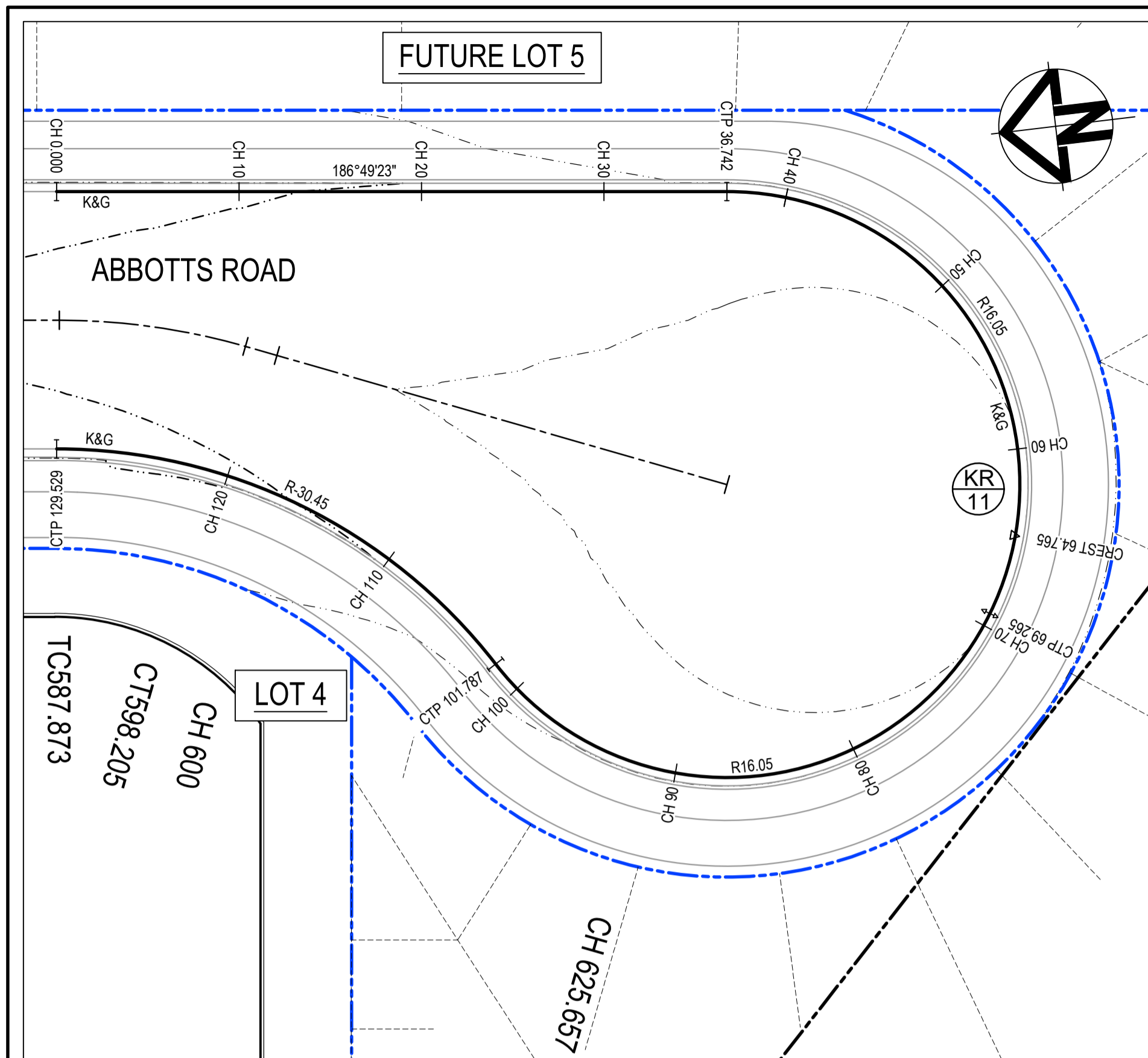
Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK  
 Title: INTERSECTION PLAN SHEET 3

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

Status: FOR APPROVAL  
 NOT TO BE USED FOR CONSTRUCTION  
 Project - Drawing No. 20-748-C11043  
 Issue 5

GDA2020  
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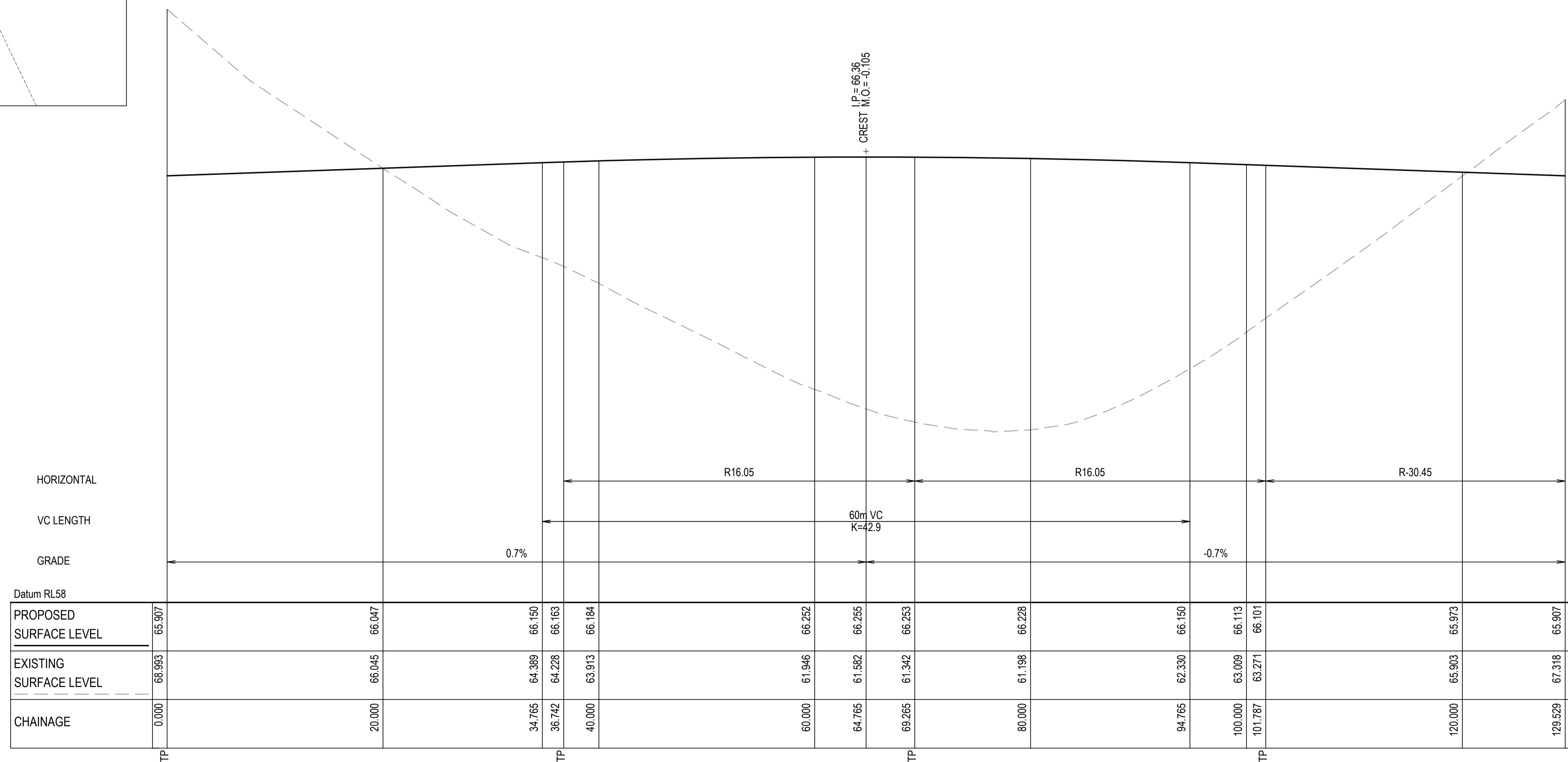




PLAN  
SCALE 1 : 250

NOTE:  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

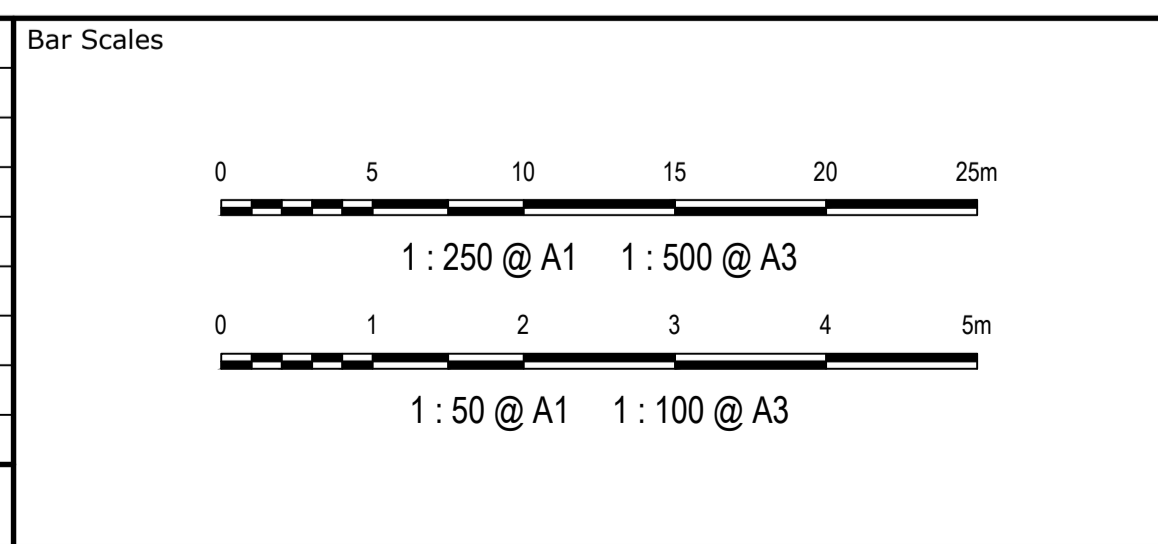
KR11 HORIZONTAL POINTS - CONTROL LINE (LIP)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	296389.330	6251232.136	186°49'23.35"			
IP 2	36.742	296384.965	6251195.654				
IP 3	53.004	296381.907	6251170.101		R = 16.050	32.523	116°06'00.50"
IP 4	69.265	296360.305	6251184.089	302°55'23.83"			
IP 5	85.526	296338.703	6251198.076		R = 16.050	32.523	116°06'00.50"
IP 6	101.787	296360.768	6251211.322				
IP 7	129.529	296375.330	6251233.812	6°49'23.15"	R = -30.450	27.742	52°12'01.00"



Datum RL58		TP	TP	TP	TP	TP	TP	TP	TP	TP	TP	TP
PROPOSED SURFACE LEVEL	65.907	66.047	66.150	66.163	66.184	66.252	66.255	66.253	66.228	66.150	66.113	66.101
EXISTING SURFACE LEVEL	68.993	66.045	64.389	64.228	63.913	61.946	61.562	61.342	61.198	62.330	63.009	63.271
CHAINAGE	0.000	20.000	34.765	36.742	40.000	60.000	64.765	69.265	80.000	94.765	100.000	101.787

KR11 LONGITUDINAL SECTION  
SCALE 1:250 HORI.  
1:50 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	Drawn	LM
1 : 500 H	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**INTERSECTION PLAN SHEET 4**

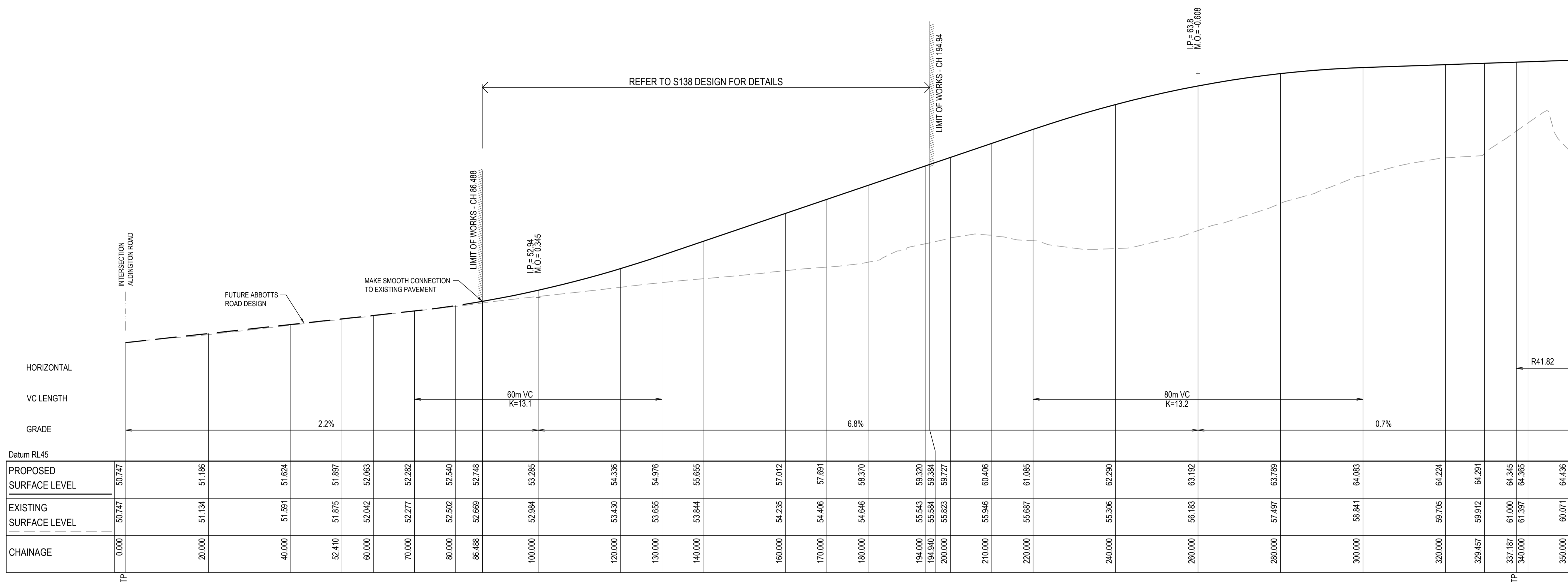
Civil Engineers and Project Managers

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

Status <b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. <b>20-748-C11044</b>	Issue <b>5</b>

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NOTE:  
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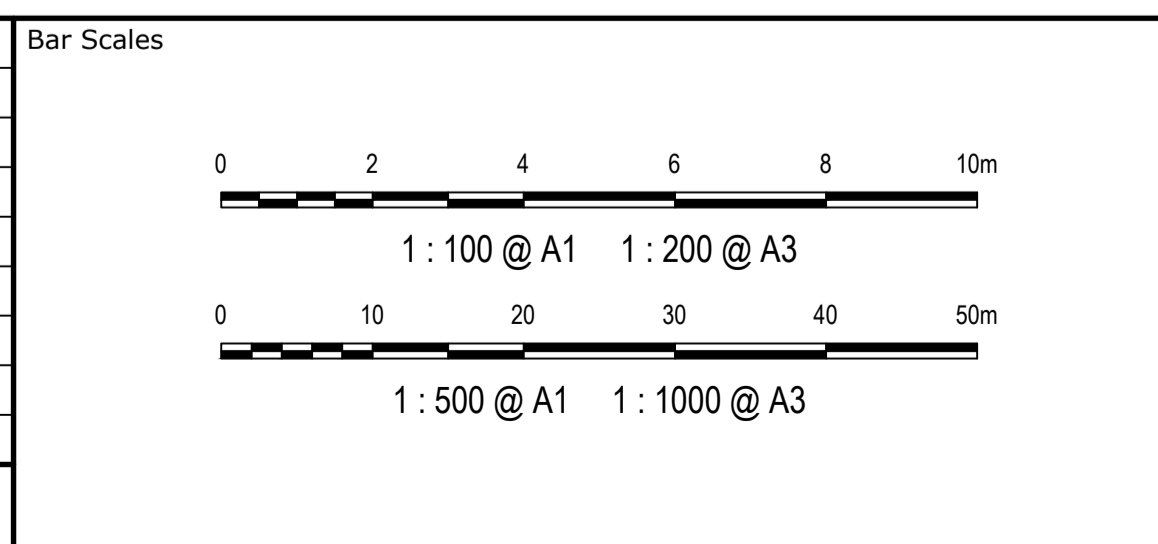


Datum RL45		0.000	20.000	40.000	52.410	60.000	70.000	80.000	86.488	100.000	120.000	130.000	140.000	160.000	170.000	180.000	194.000	194.940	200.000	210.000	220.000	240.000	260.000	280.000	300.000	320.000	329.457	337.187	340.000	350.000
PROPOSED SURFACE LEVEL	50.747	51.186	51.624	51.897	52.063	52.282	52.540	52.748	53.285	54.336	54.976	55.655	57.012	57.891	58.370	59.320	59.384	59.727	60.406	61.085	62.290	63.192	63.789	64.083	64.224	64.291	64.345	64.365	64.436	
EXISTING SURFACE LEVEL	50.747	51.134	51.591	51.875	52.042	52.277	52.502	52.669	52.984	53.430	53.655	53.844	54.235	54.406	54.646	55.543	55.584	55.623	55.946	55.687	55.306	56.183	57.497	58.841	59.705	59.912	61.000	61.397	60.071	
CHAINAGE	0.000	20.000	40.000	52.410	60.000	70.000	80.000	86.488	100.000	120.000	130.000	140.000	160.000	170.000	180.000	194.000	194.940	200.000	210.000	220.000	240.000	260.000	280.000	300.000	320.000	329.457	337.187	340.000	350.000	

ABBOTTS ROAD (MC01) LONGITUDINAL SECTION

SCALE 1:500 HORI.  
 1:100 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 100 V 1 : 500 H	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

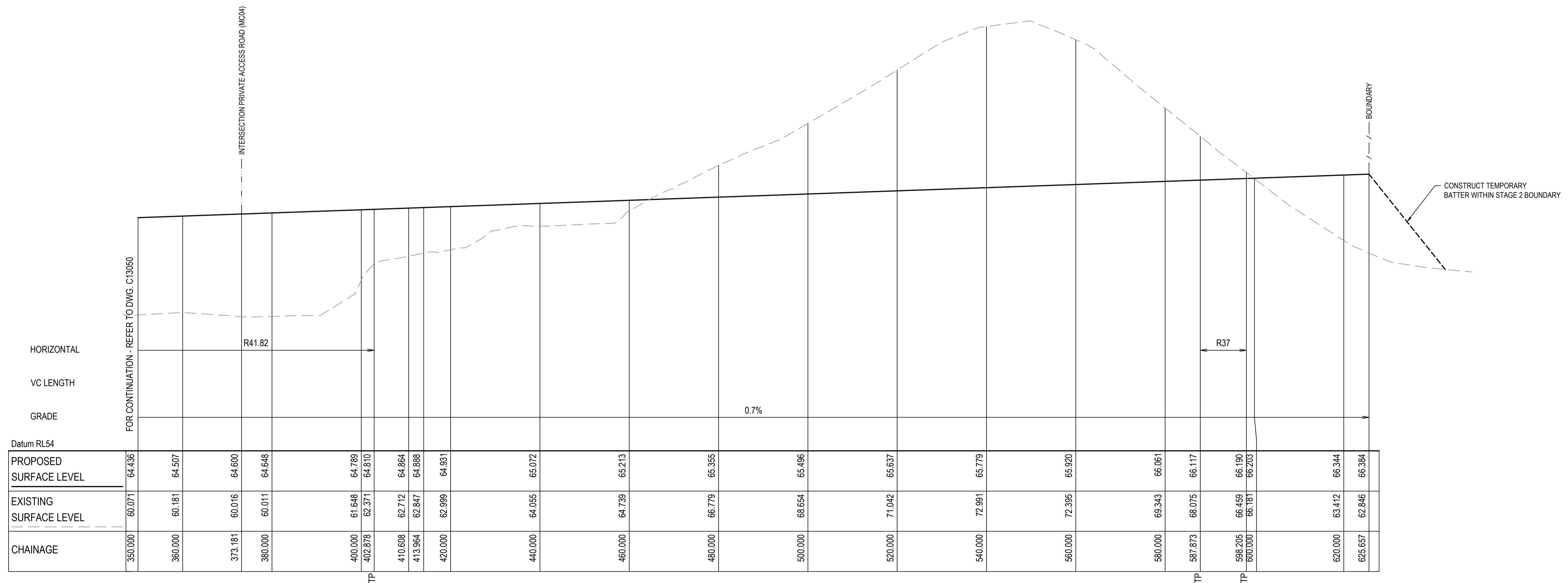
**ABBOTTS ROAD (MC01) LONGITUDINAL SECTIONS SHEET 1**

Civil Engineers and Project Managers

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

Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11050	Issue
		5

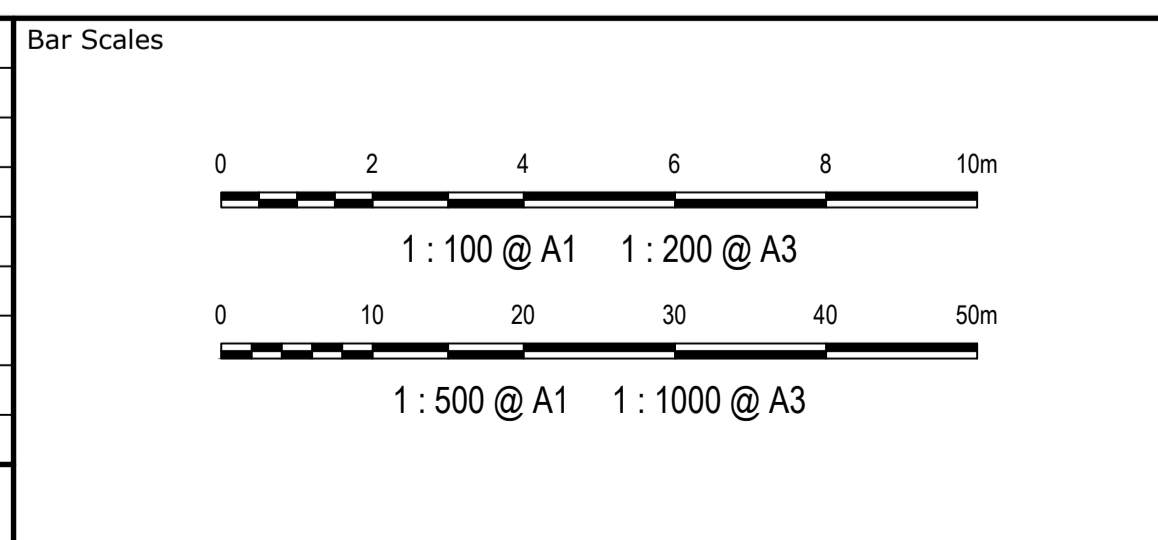
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



ABBOTTS ROAD (MC01) LONGITUDINAL SECTION - CONTINUED

SCALE 1:500 HORI.  
 1:100 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 100 V 1 : 500 H	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

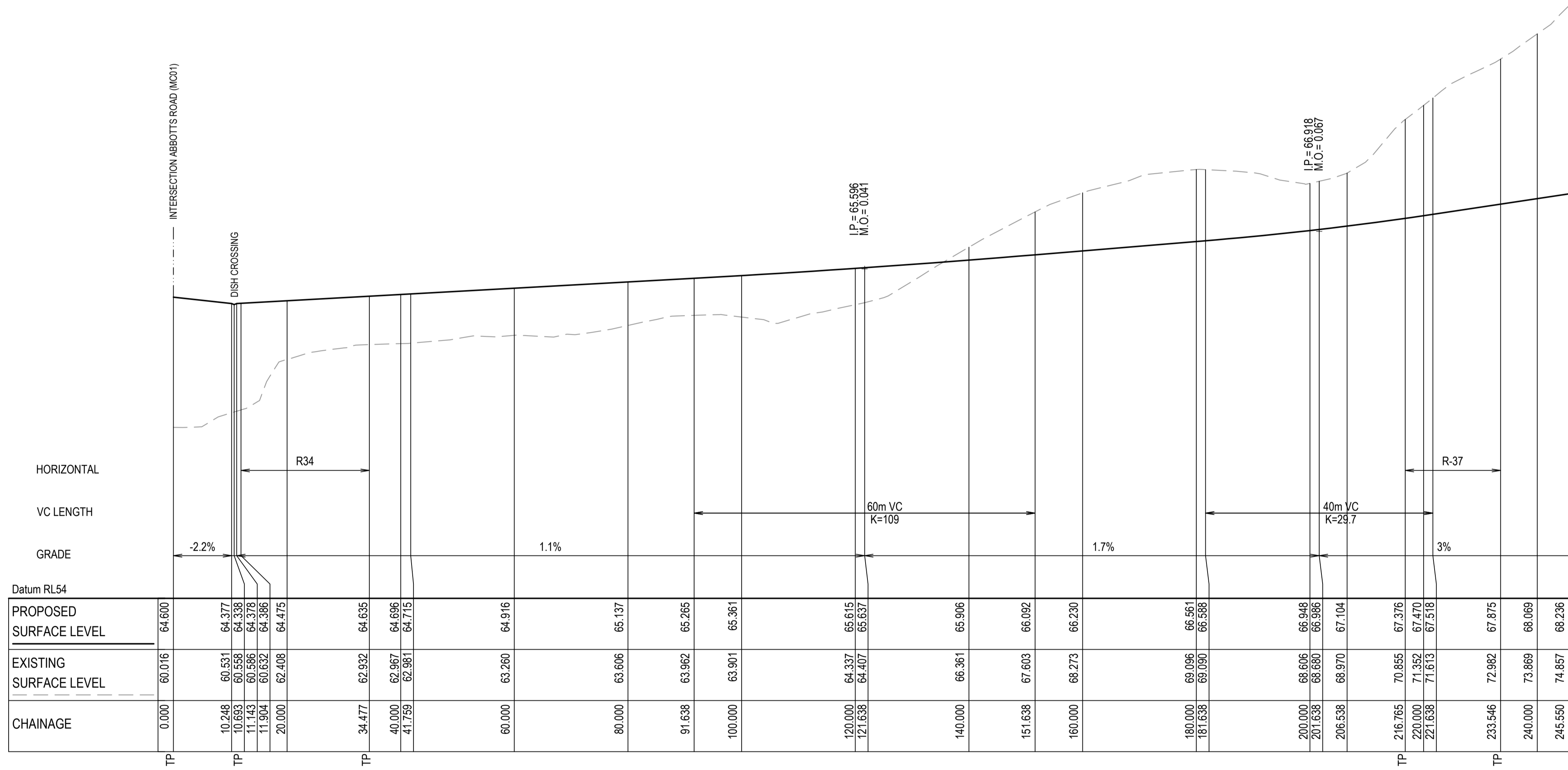
GDA2020

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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ABBOTTS ROAD (MC01) LONGITUDINAL 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.	20-748-C11051
Issue	5

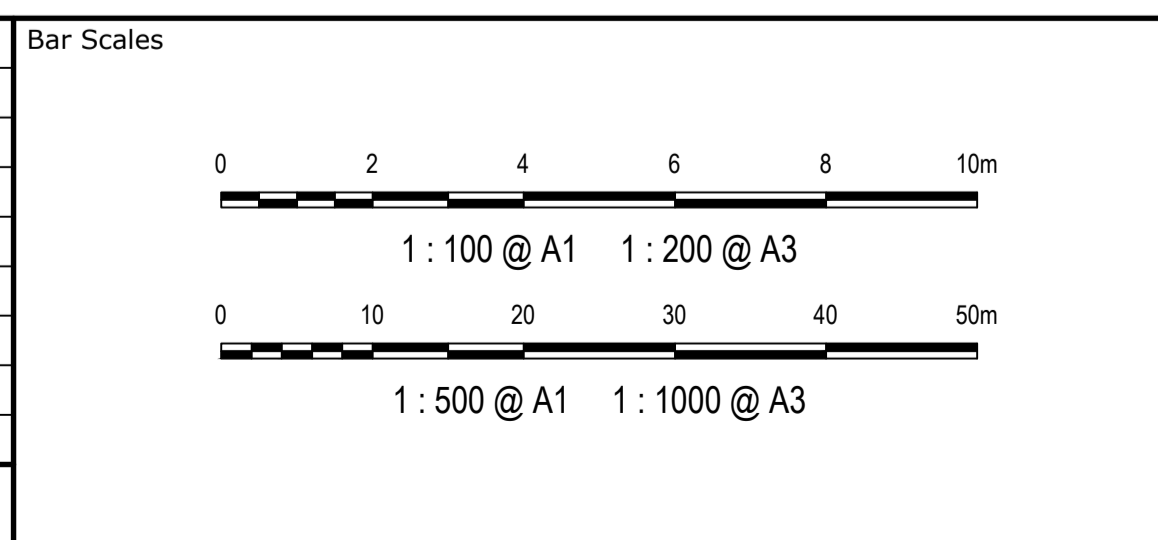
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



PRIVATE ACCESS ROAD (MC04) LONGITUDINAL SECTION

SCALE 1:500 HORI.  
 1:100 VERT.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



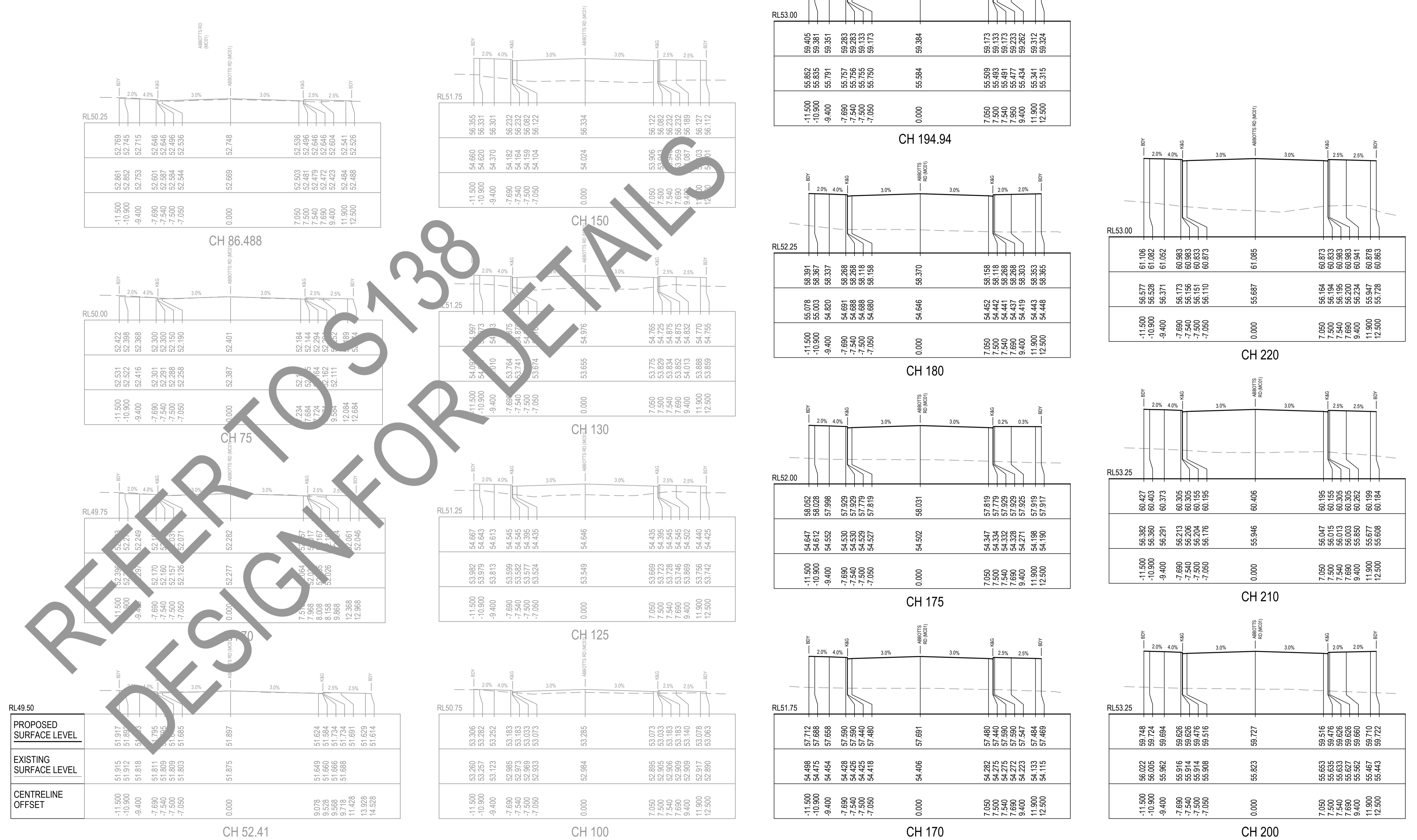
Client	Drawn	Checked	Approved
ESR	LM	LM	AT
	LM	AT	

Scales	Grid	Height Datum
1 : 100 V 1 : 500 H	MGA2020	AHD

Project	Title
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	PRIVATE ACCESS ROAD (MC04) LONGITUDINAL SECTION SHEET 1

Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
Project - Drawing No.	20-748-C11052
Issue	5

**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



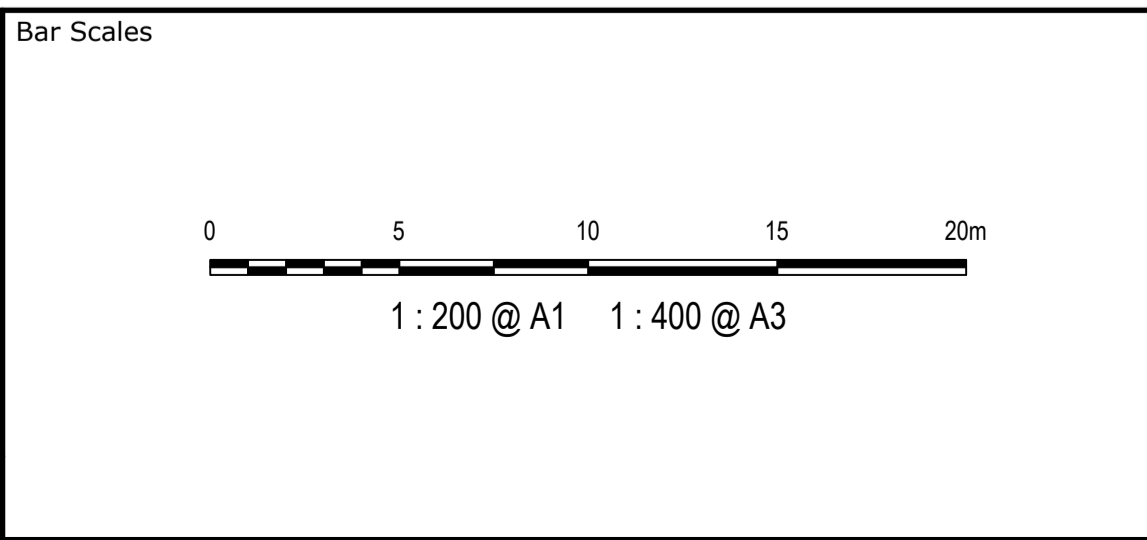
PROPOSED SURFACE LEVEL	EXISTING SURFACE LEVEL	CENTRELINE OFFSET
51.917	51.915	-11.500
51.899	51.912	-10.900
51.875	51.818	-9.400
51.795	51.811	-7.690
51.705	51.809	-7.540
51.685	51.803	-7.500
51.897	51.875	-7.050
52.282	0.000	0.000
52.064	51.624	9.078
51.517	51.564	9.528
51.167	51.564	9.528
50.925	51.734	9.528
50.826	51.734	9.528
50.826	51.688	11.428
52.061	51.629	13.928
52.046	51.614	14.528

53.306	53.280	-11.500
53.282	53.257	-10.900
53.252	53.123	-9.400
53.183	52.985	-7.690
53.183	52.973	-7.540
53.033	52.969	-7.500
53.073	52.933	-7.050
53.285	52.984	0.000
53.073	52.895	7.050
53.033	52.905	7.500
53.183	52.906	7.540
53.183	52.909	7.690
53.140	52.909	9.400
53.078	52.917	11.900
53.063	52.890	12.500

57.712	57.668	-11.500
57.658	57.475	-10.900
57.658	57.454	-9.400
57.590	57.428	-7.690
57.590	57.590	-7.540
57.480	57.425	-7.500
57.480	57.418	-7.050
57.691	57.406	0.000
57.480	57.480	7.050
57.440	57.440	7.500
57.590	57.590	7.540
57.590	57.590	7.690
57.547	57.547	9.400
57.484	57.484	11.900
57.469	57.415	12.500

59.748	59.724	-11.500
59.694	59.694	-10.900
59.694	59.694	-9.400
59.626	59.626	-7.690
59.476	59.626	-7.540
59.516	59.914	-7.500
59.516	59.908	-7.050
59.727	59.823	0.000
59.516	59.516	7.050
59.476	59.476	7.500
59.626	59.626	7.540
59.626	59.626	7.690
59.660	59.660	9.400
59.710	59.467	11.900
59.722	55.443	12.500

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 200	LM
	Grid	MGA2020
	Height Datum	AHD
Drawn	LM	LM
	Checked	AT
	Approved	AT

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**ABBOTTS ROAD (MC01) CROSS SECTIONS SHEET 1**

Civil Engineers and Project Managers

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

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

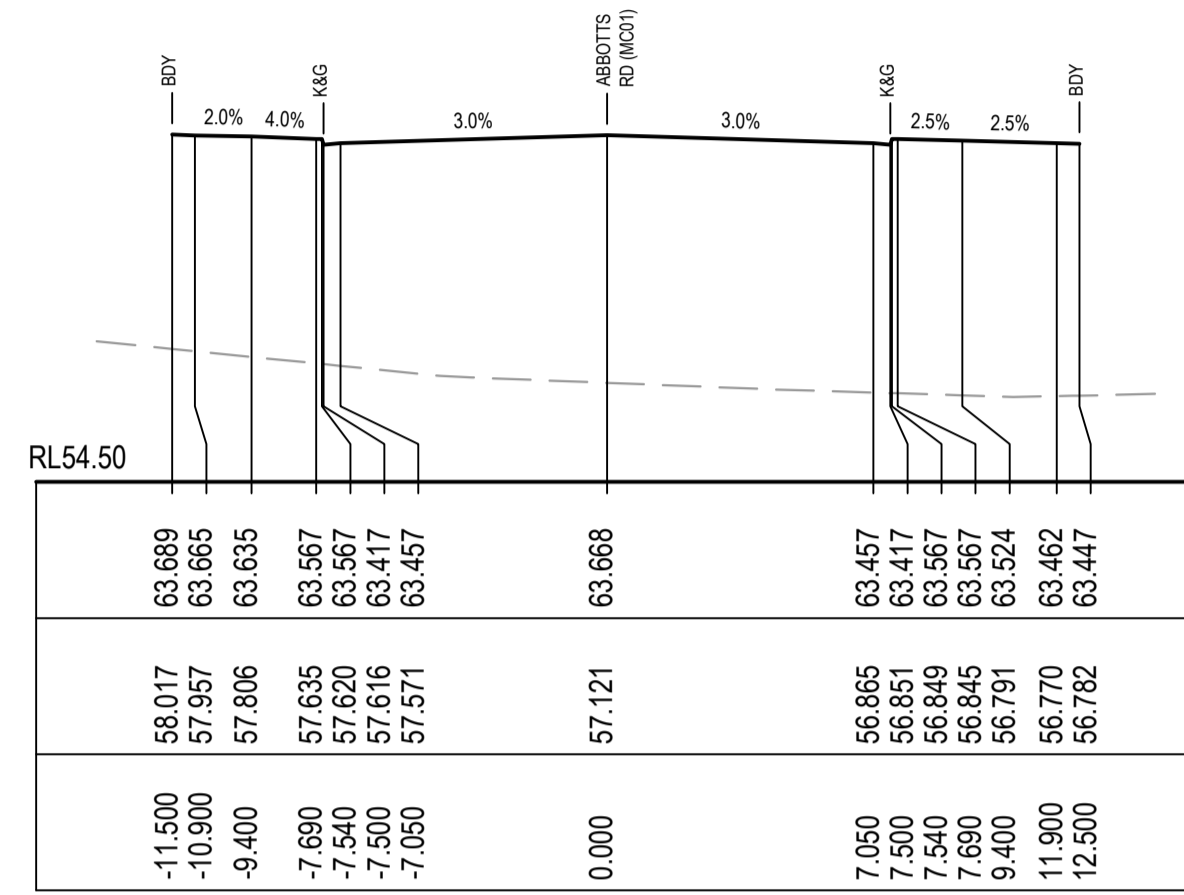
Project - Drawing No.  
**20-748-C11061**

A1
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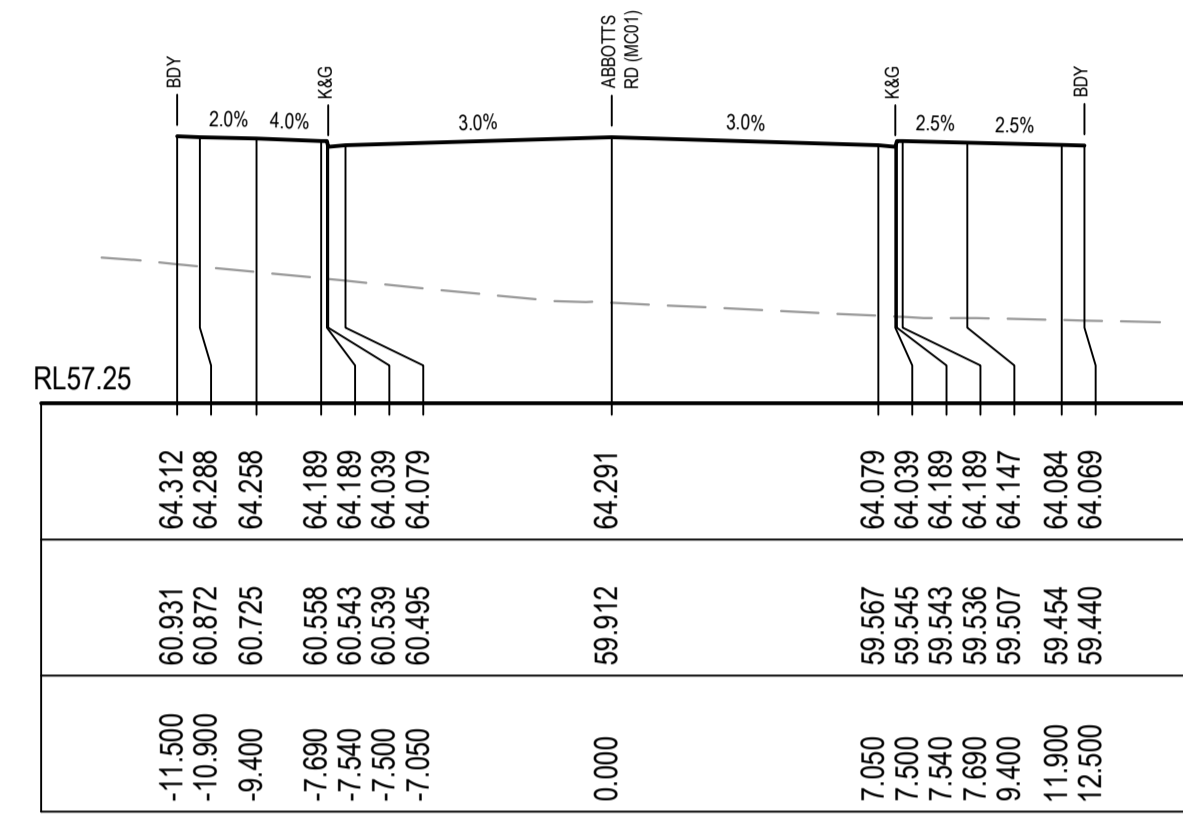
Issue  
**5**

GDA2020  
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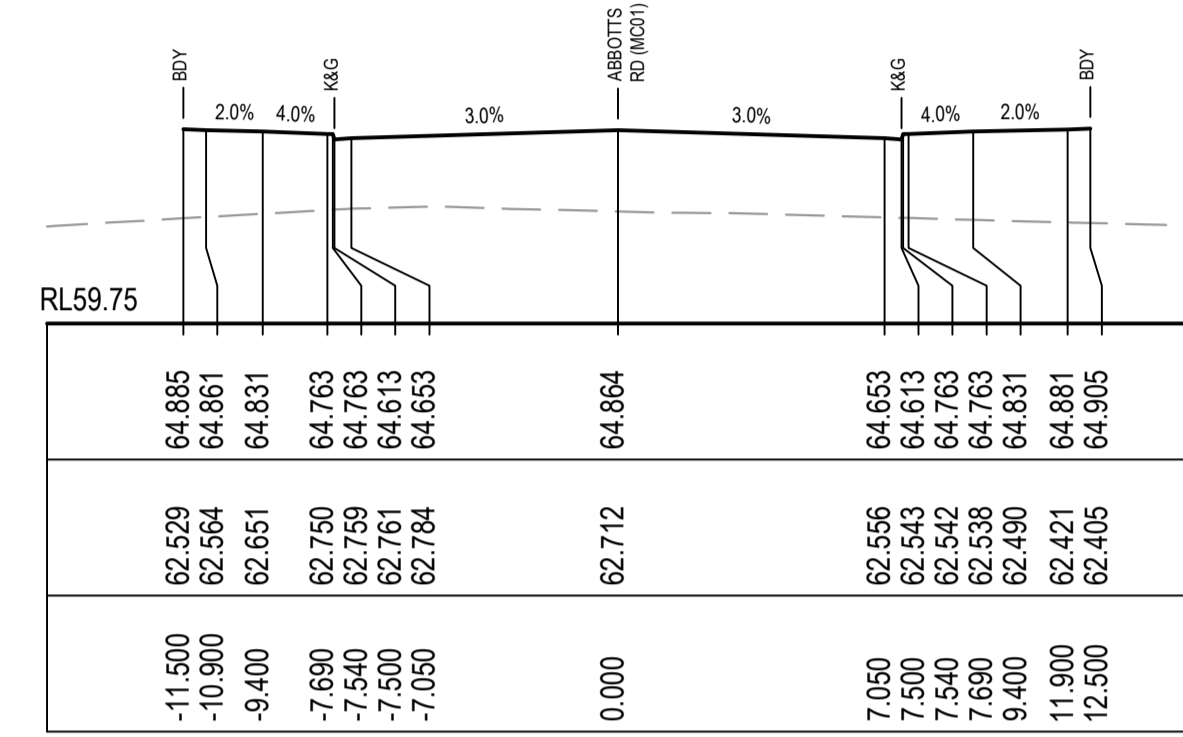
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



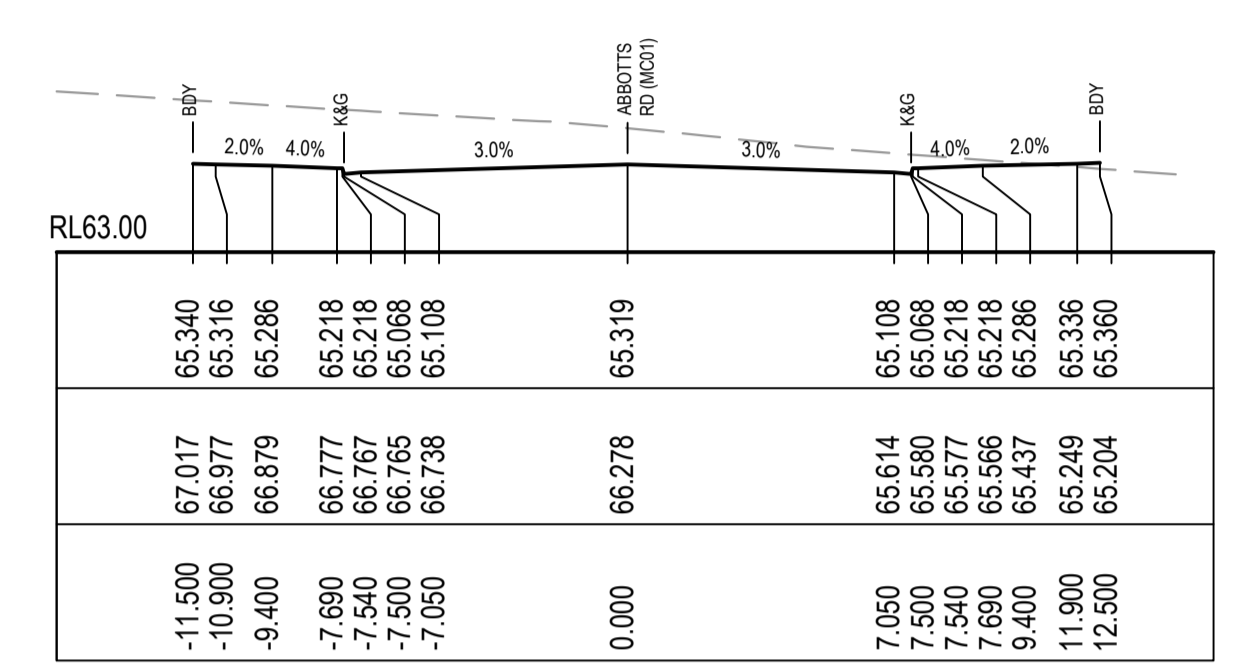
CH 275



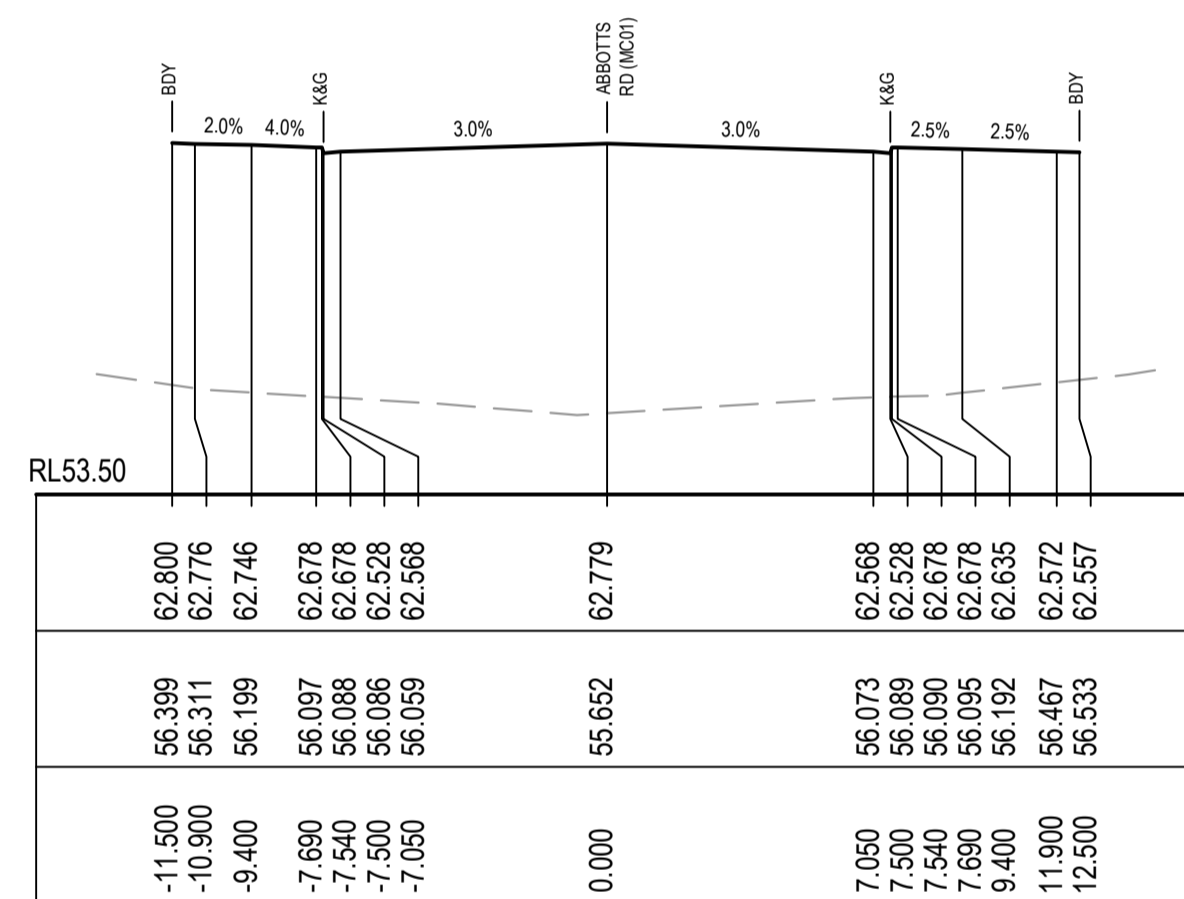
CH 329.457



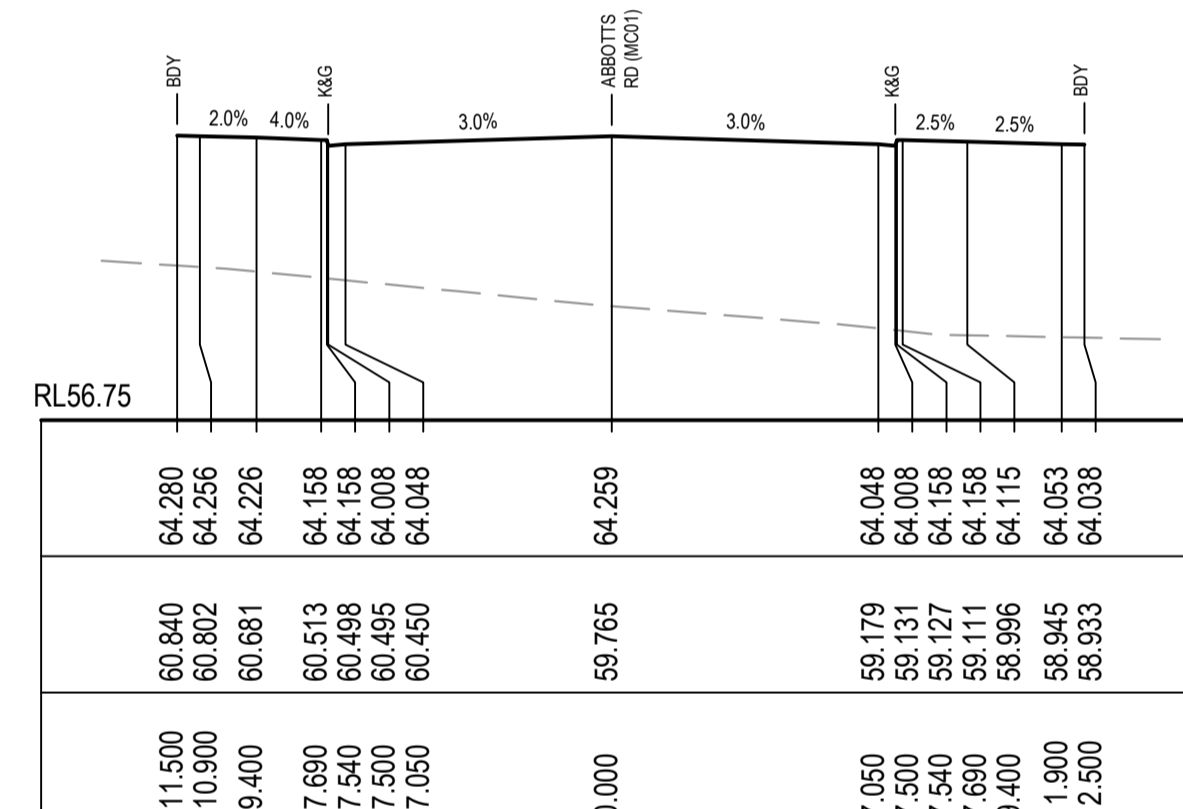
CH 410.608



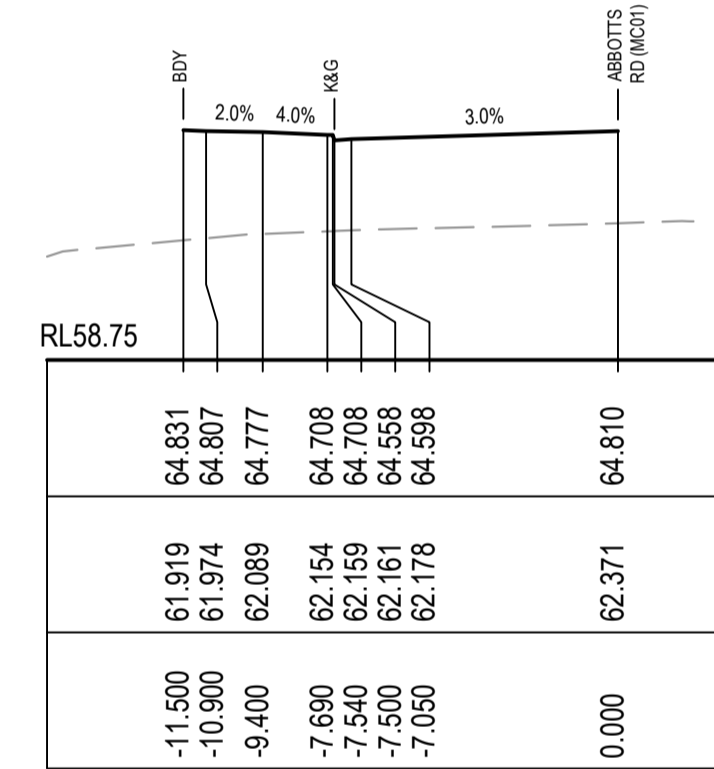
CH 475



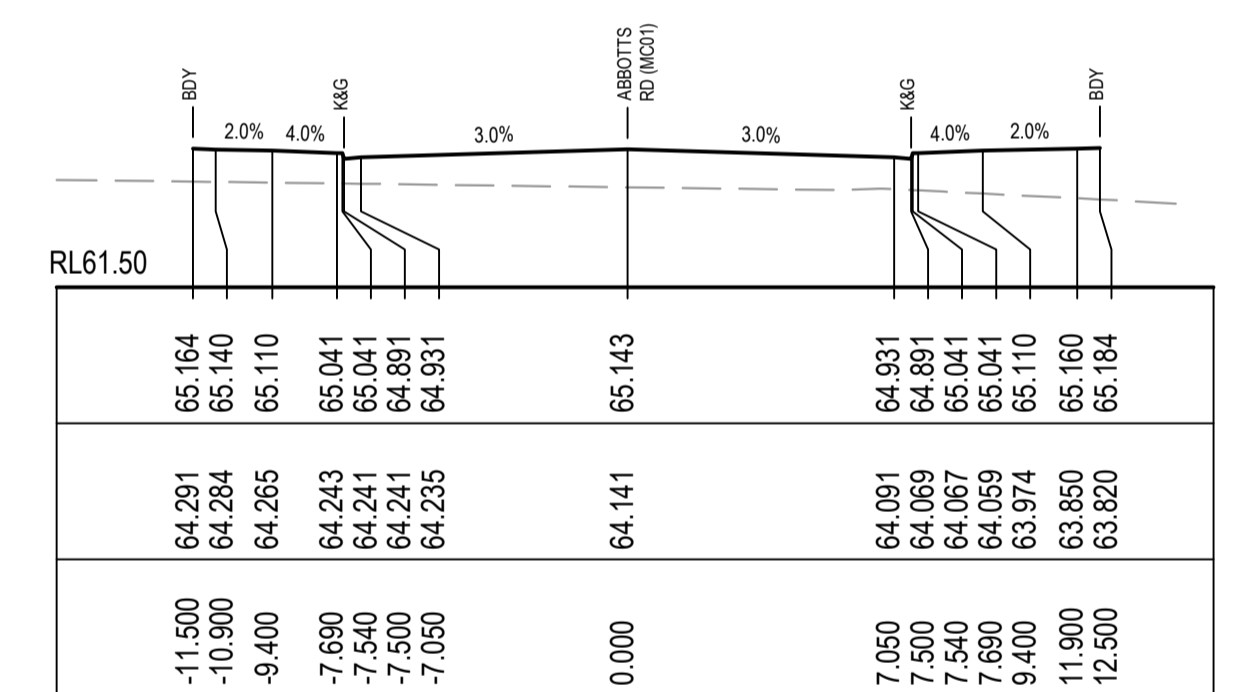
CH 250



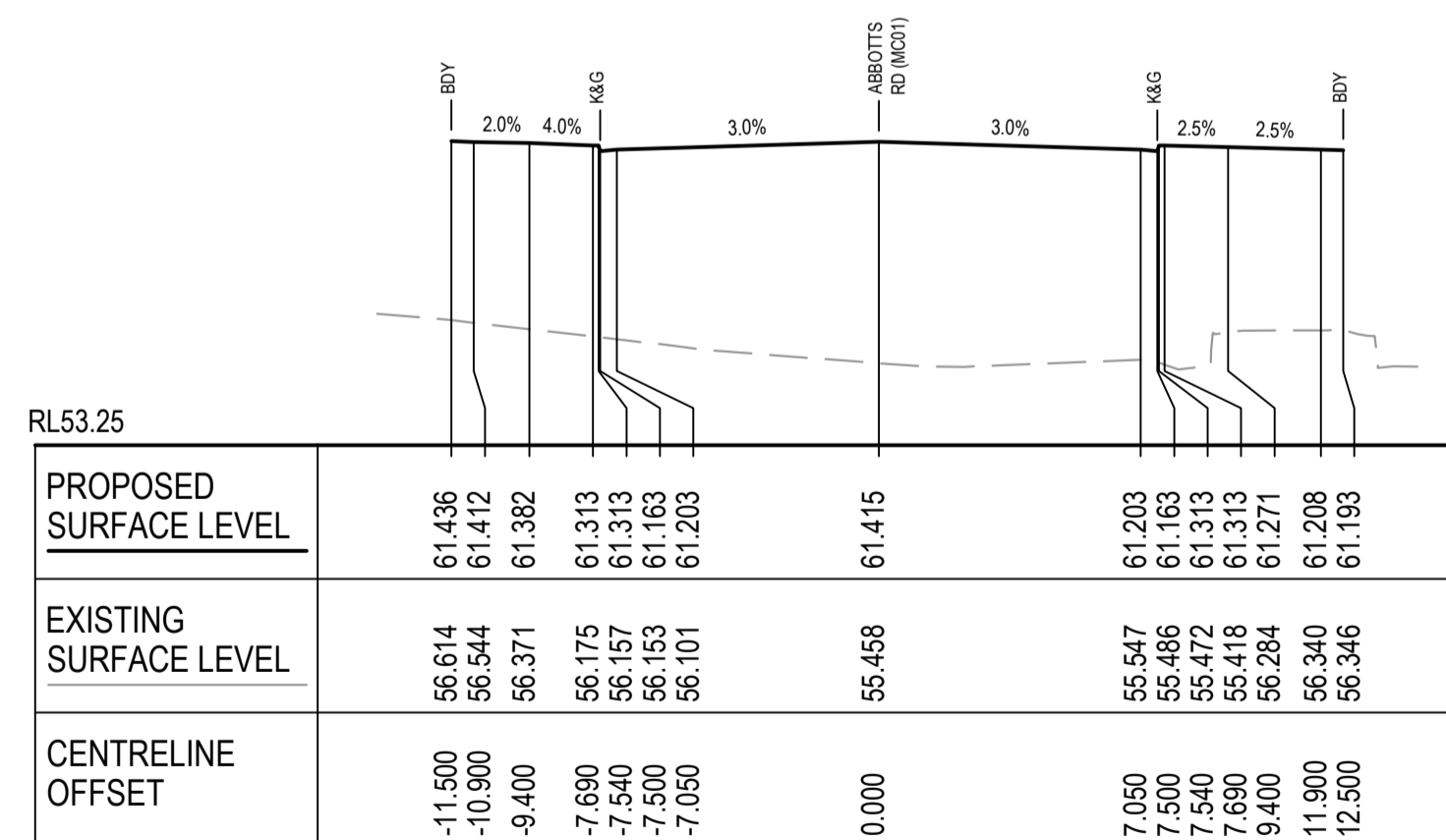
CH 325



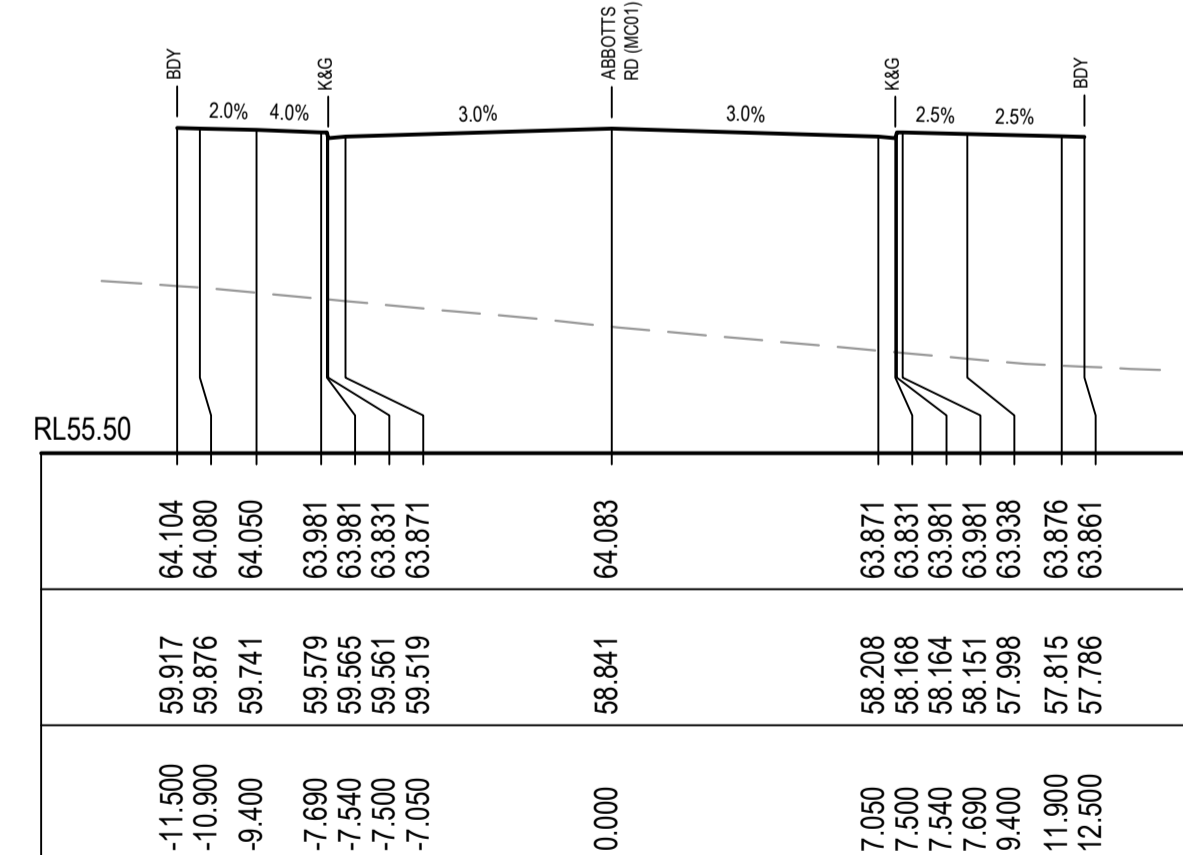
CH 402.878



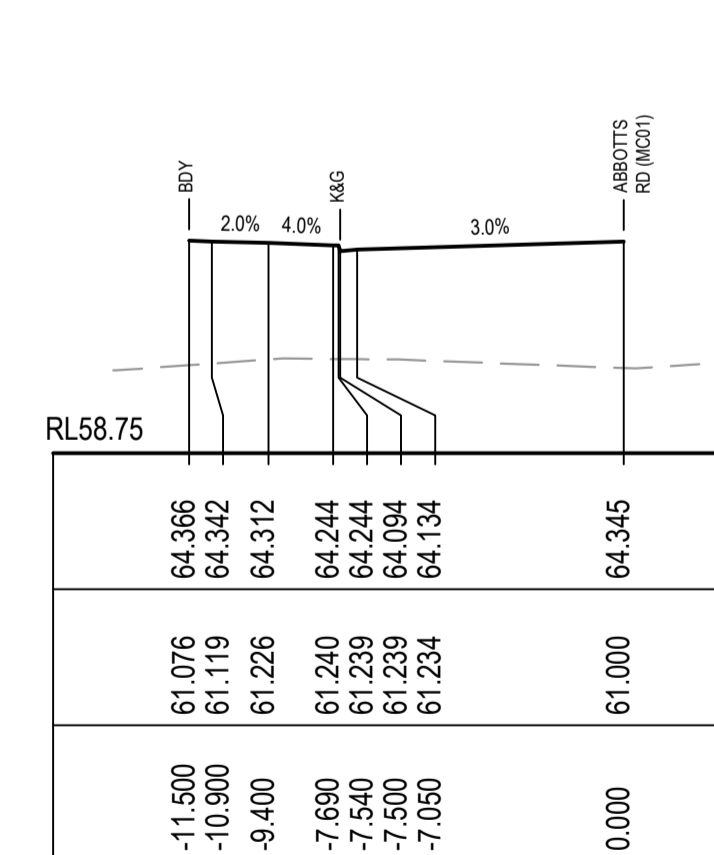
CH 450



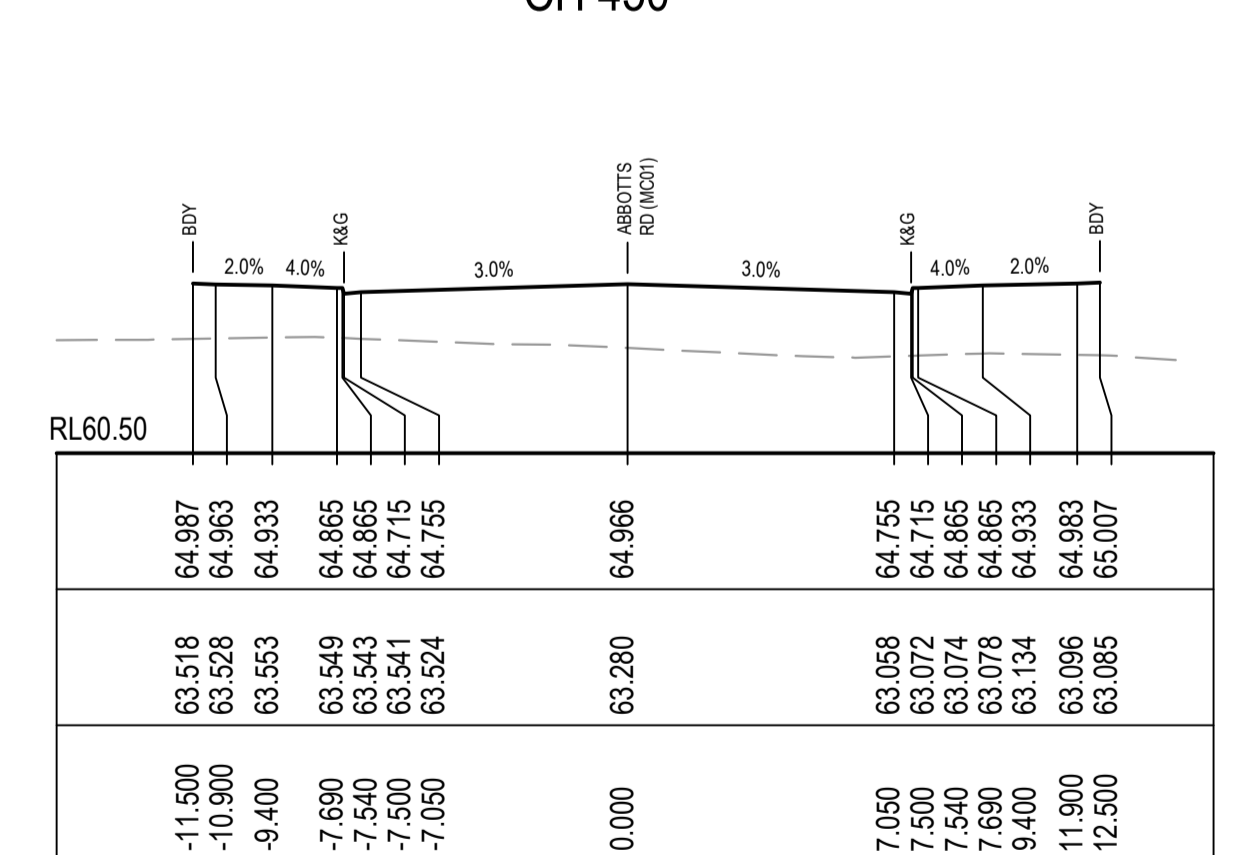
CH 225



CH 300

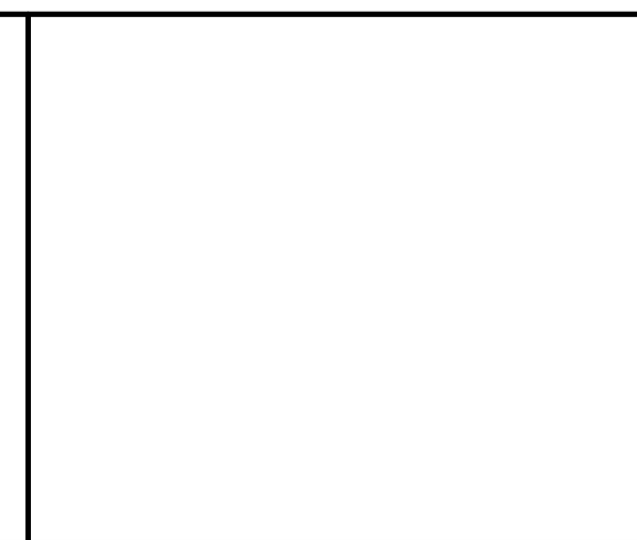
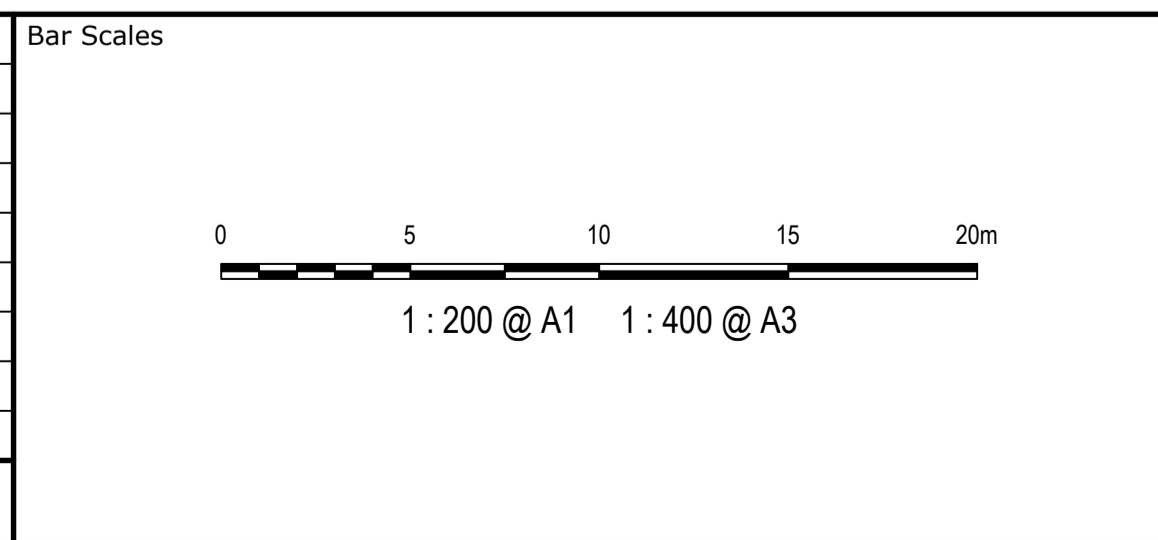


CH 337.187



CH 425

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



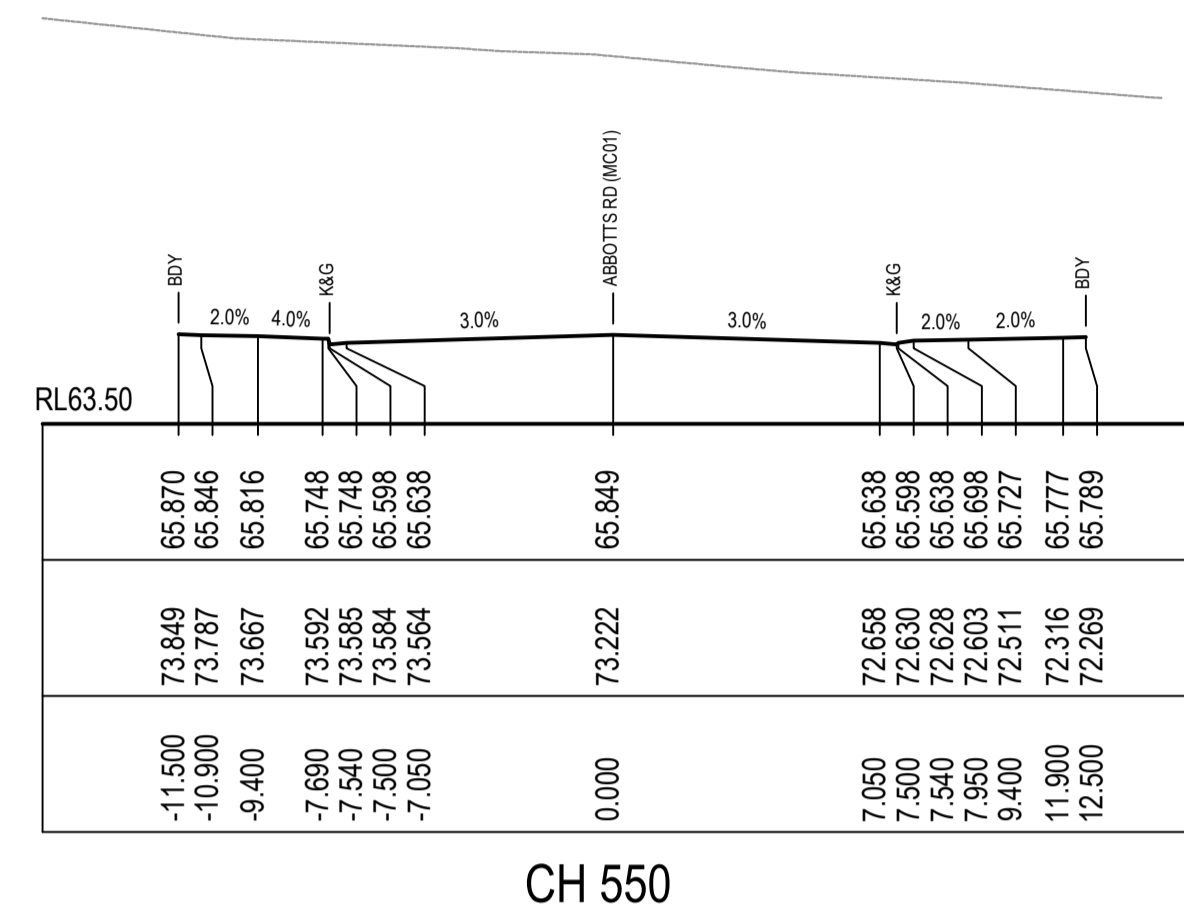
Client	ESR
Scales	1 : 200
Grid	MGA2020
Height Datum	AHD
Drawn	LM
Designed	LM
Checked	AT
Approved	
GDA2020	
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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	ABBOTTS ROAD (MC01) CROSS SECTIONS SHEET 2

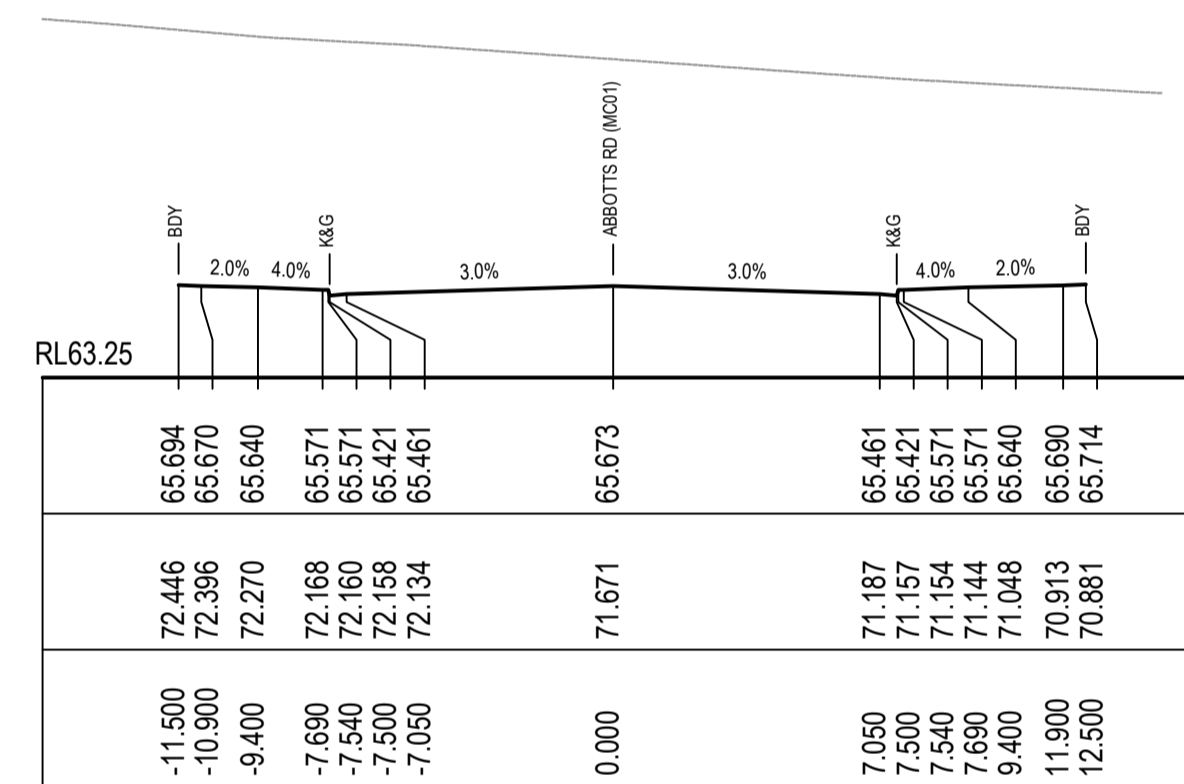
Civil Engineers and Project Managers	
<b>at&amp;i</b>	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.at&i.net.au info@at&i.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	20-748-C11062
Issue	5

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.at&i.net.au info@at&i.net.au	
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	20-748-C11062
Issue	5

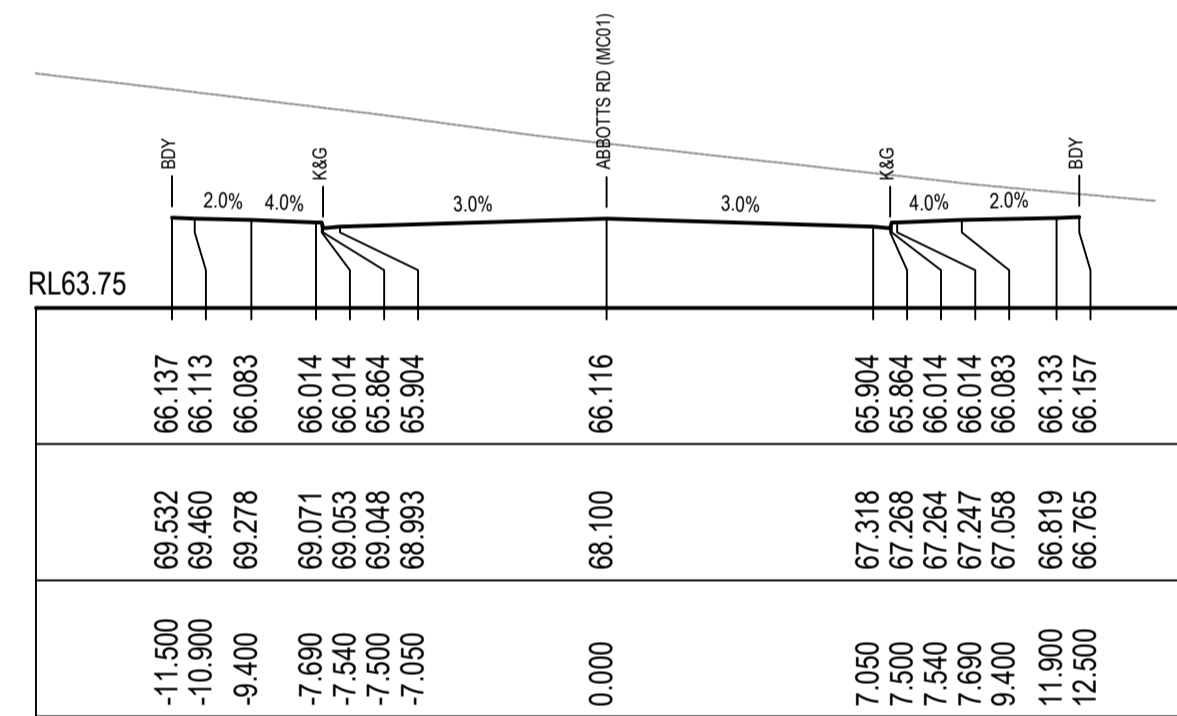
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



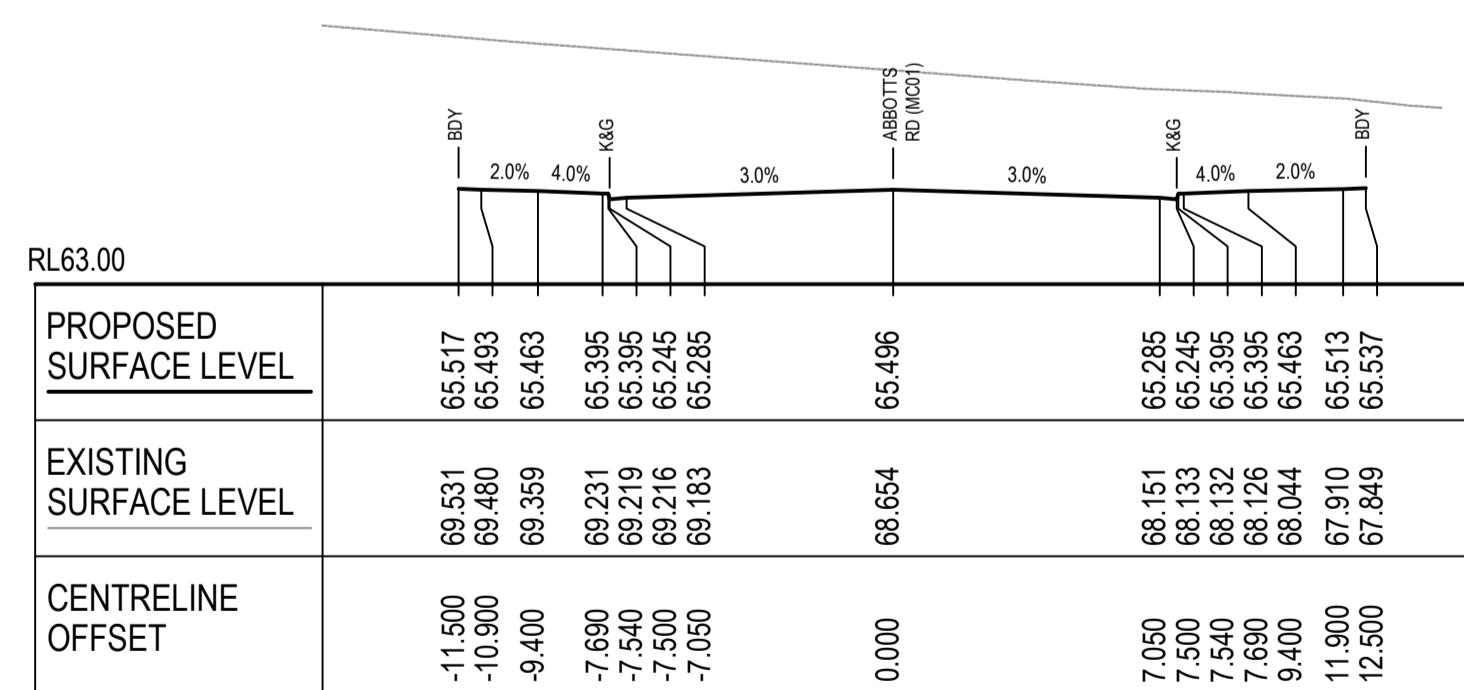
CH 550



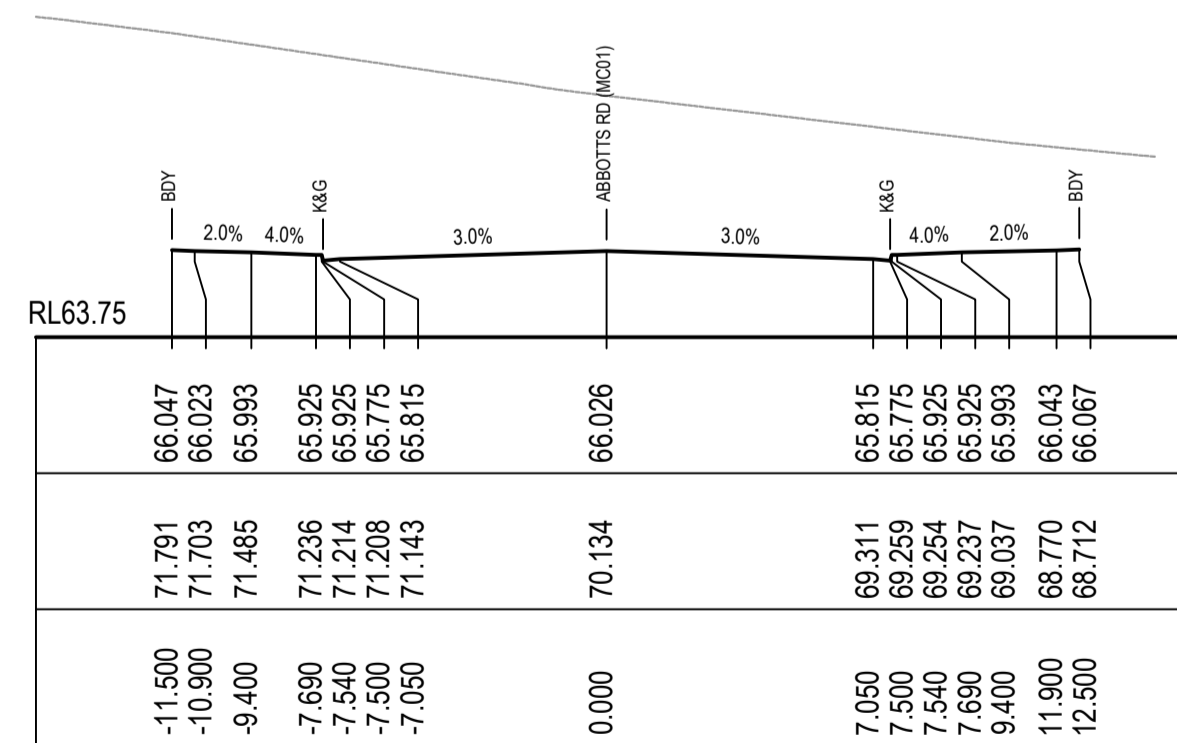
CH 525



CH 587.717

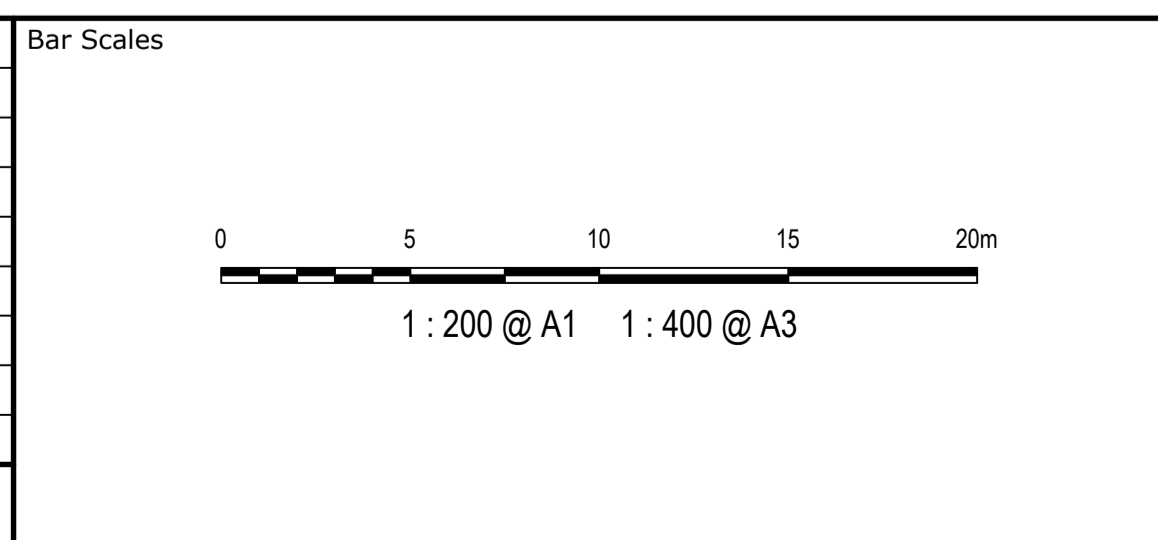


CH 500



CH 575

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 200	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**ABBOTTS ROAD (MC01) CROSS SECTIONS SHEET 3**

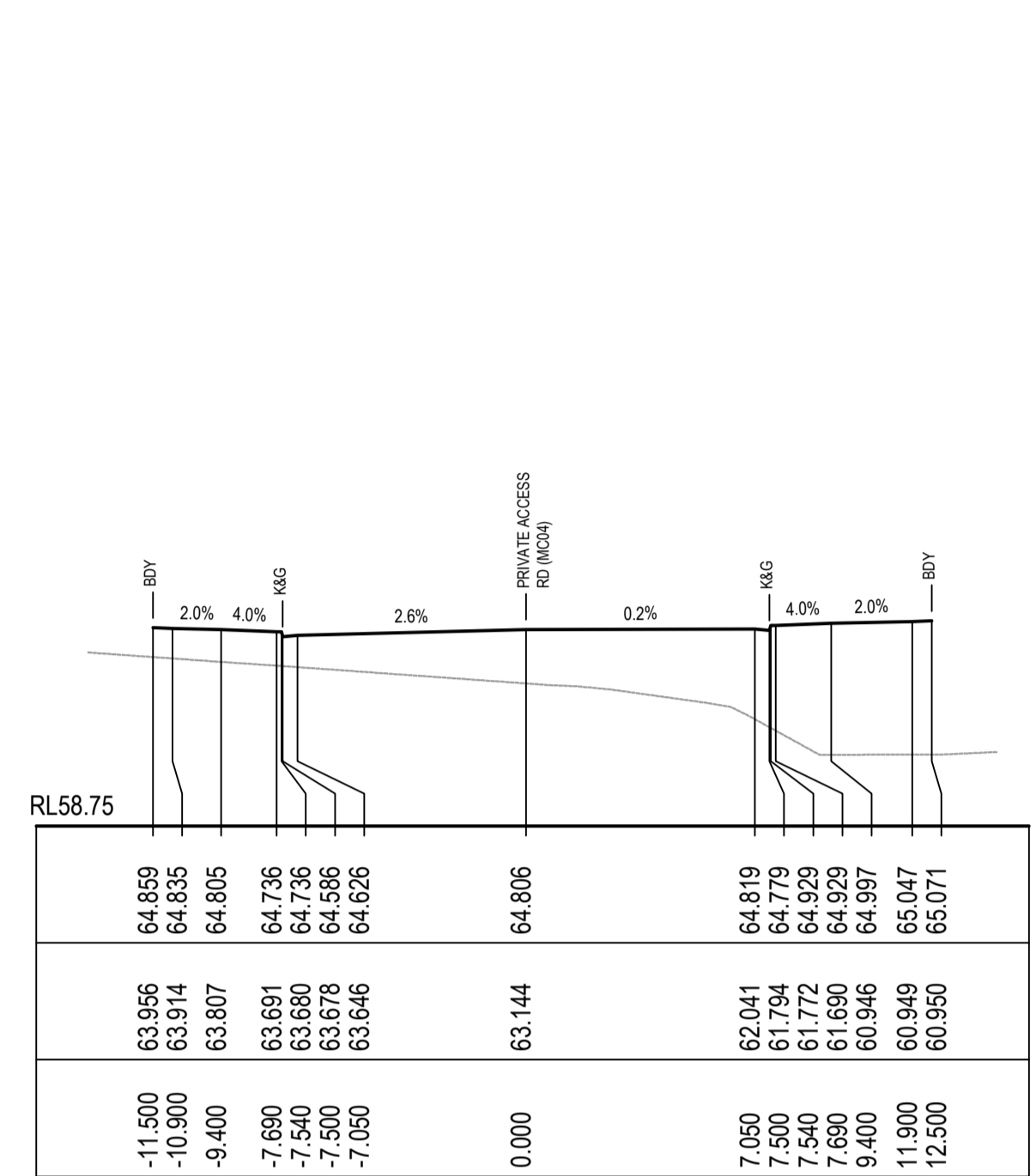
Civil Engineers and Project Managers

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

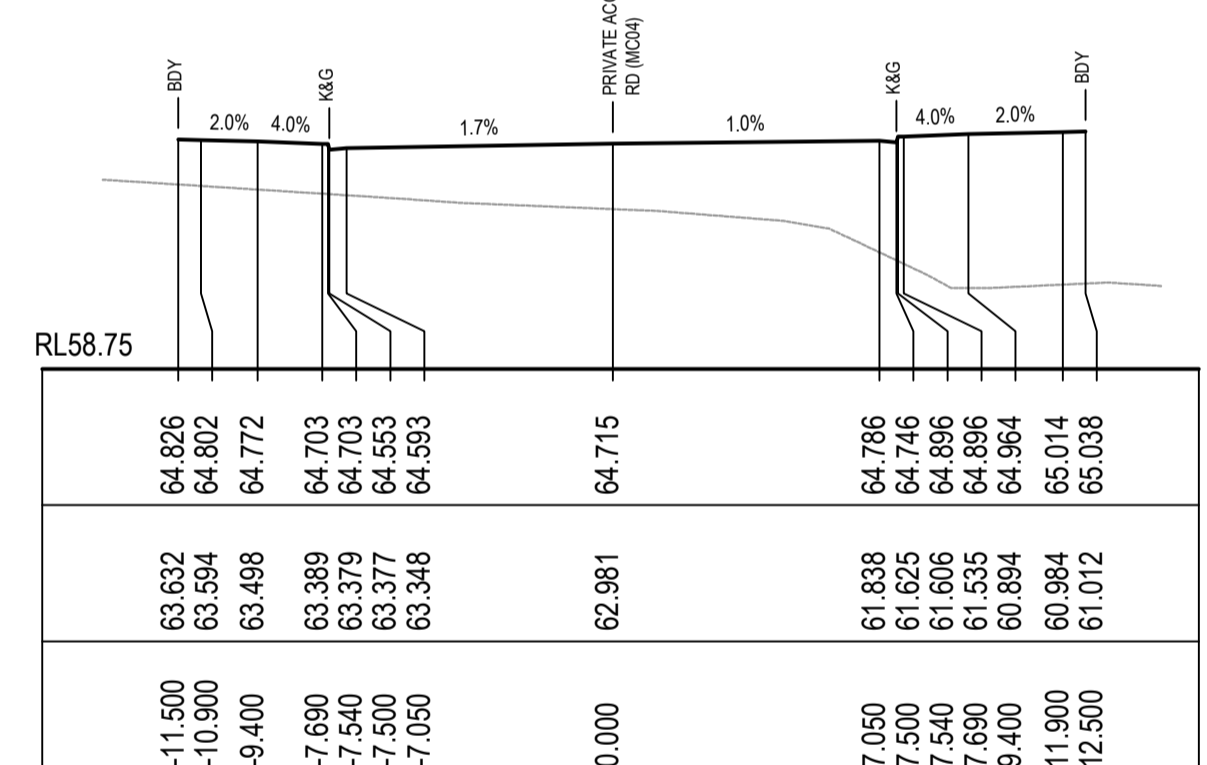
Status	<b>FOR APPROVAL</b>	A1
<b>NOT TO BE USED FOR CONSTRUCTION</b>		
Project - Drawing No.	20-748-C11063	Issue
		5

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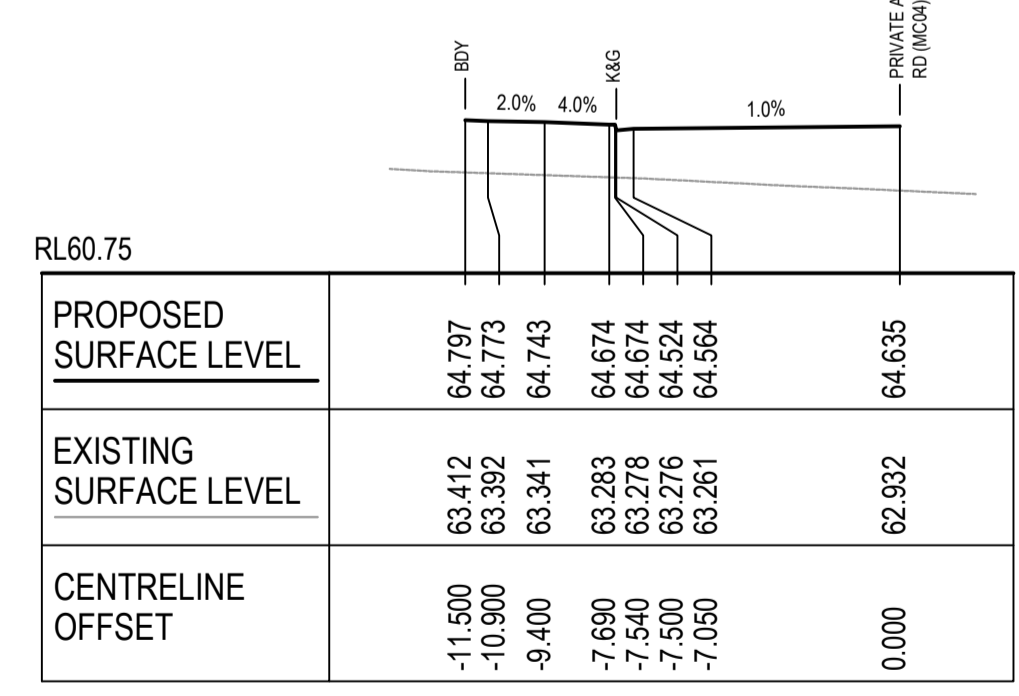
NOTE:  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



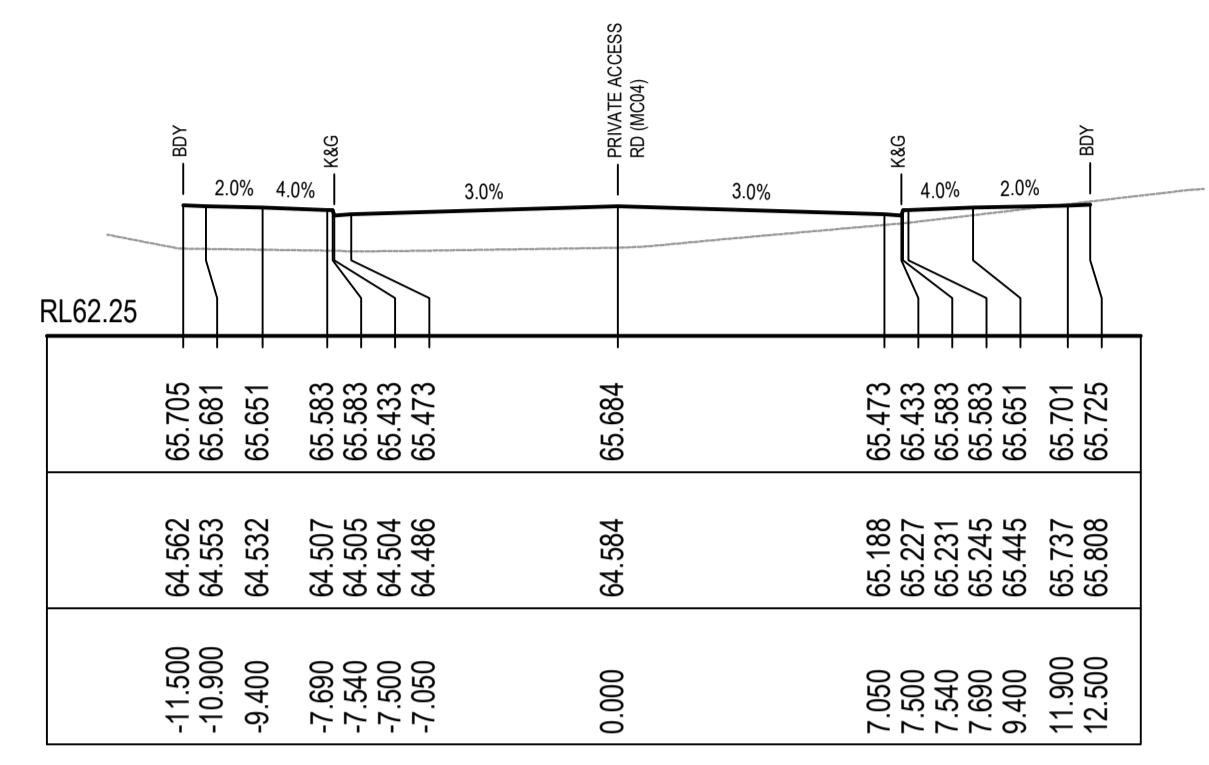
CH 50



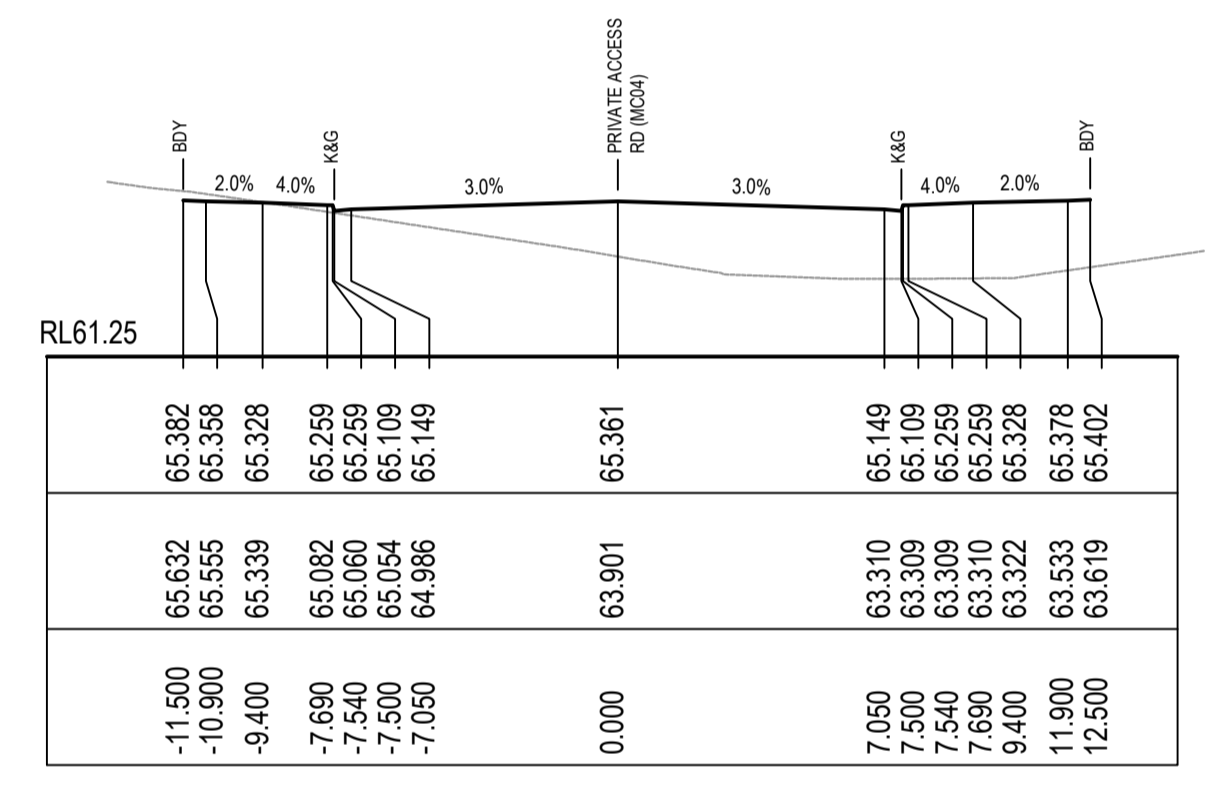
CH 100



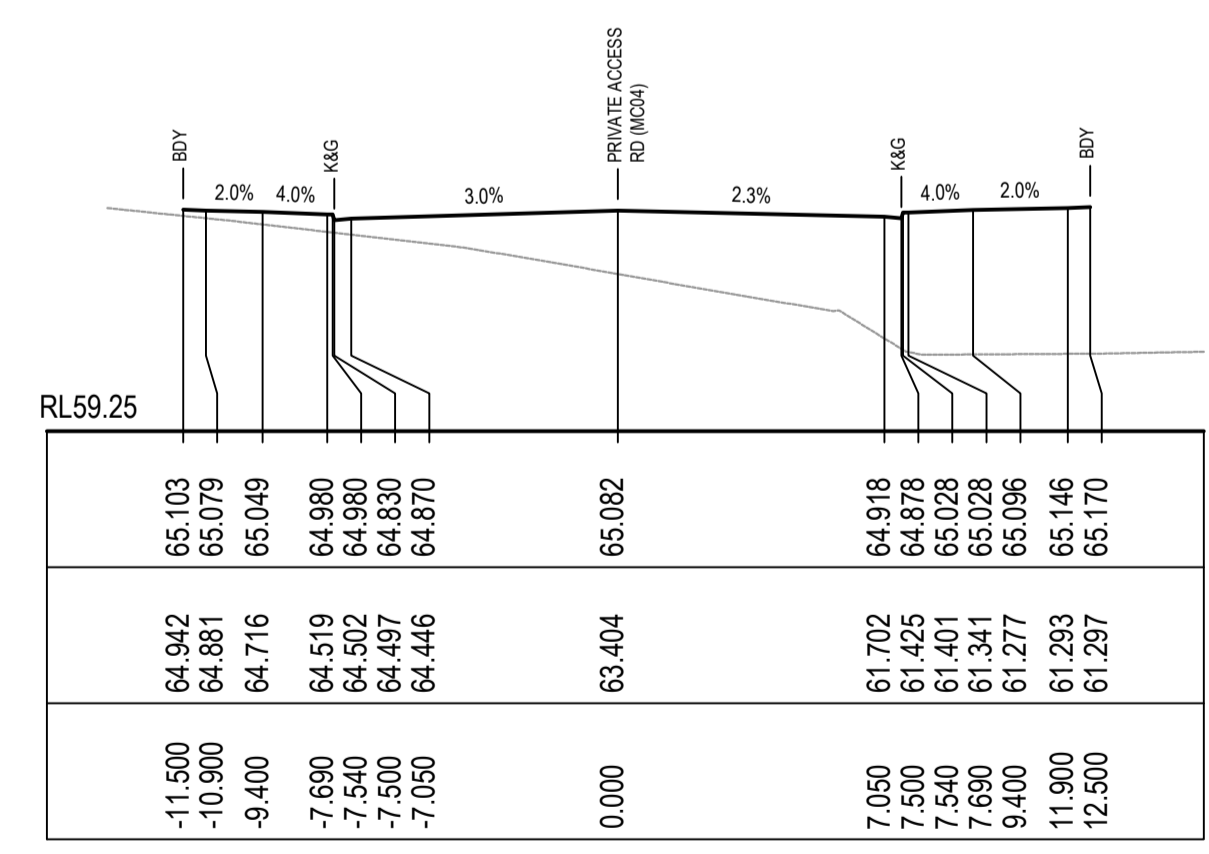
CH 34.477



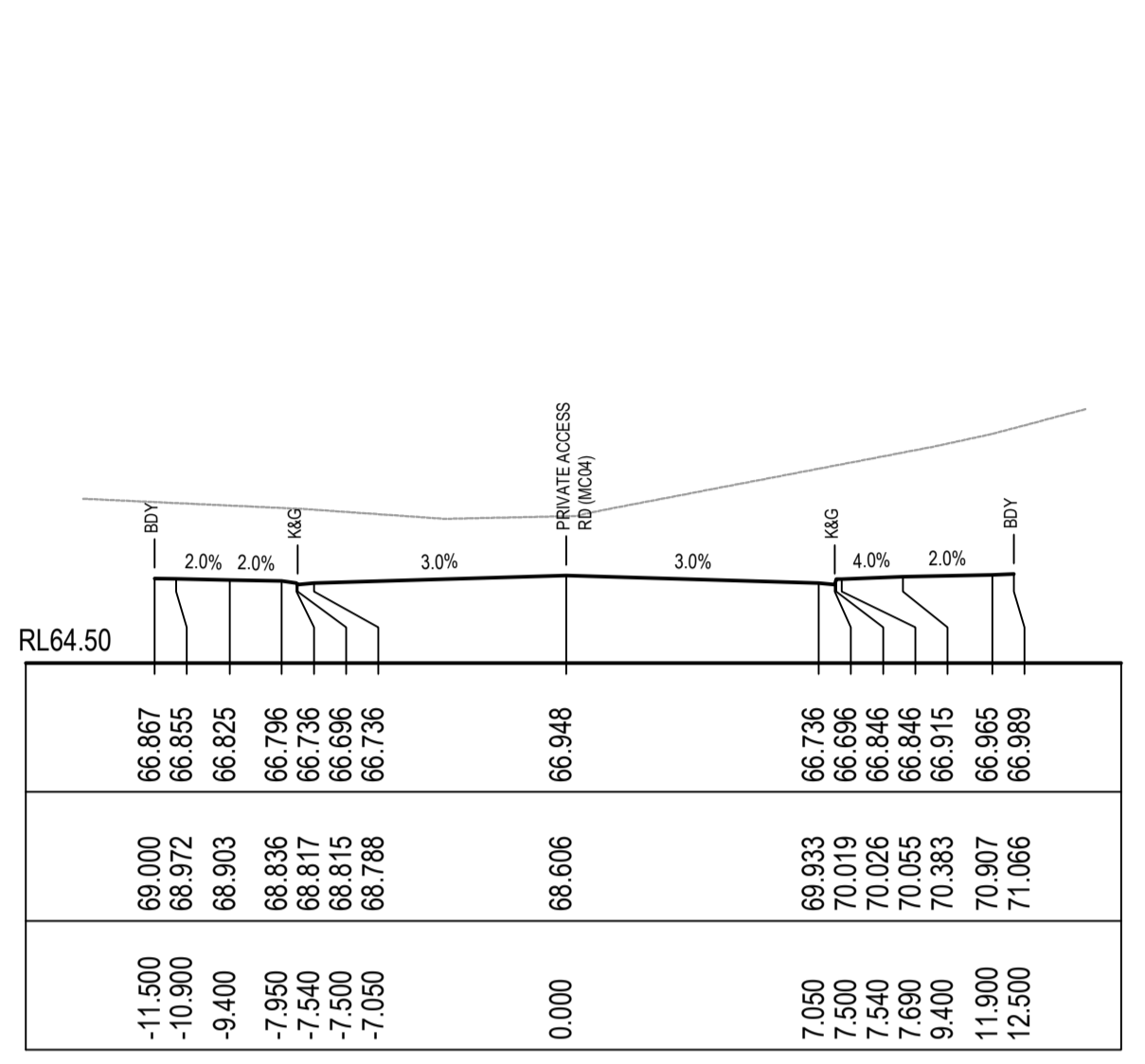
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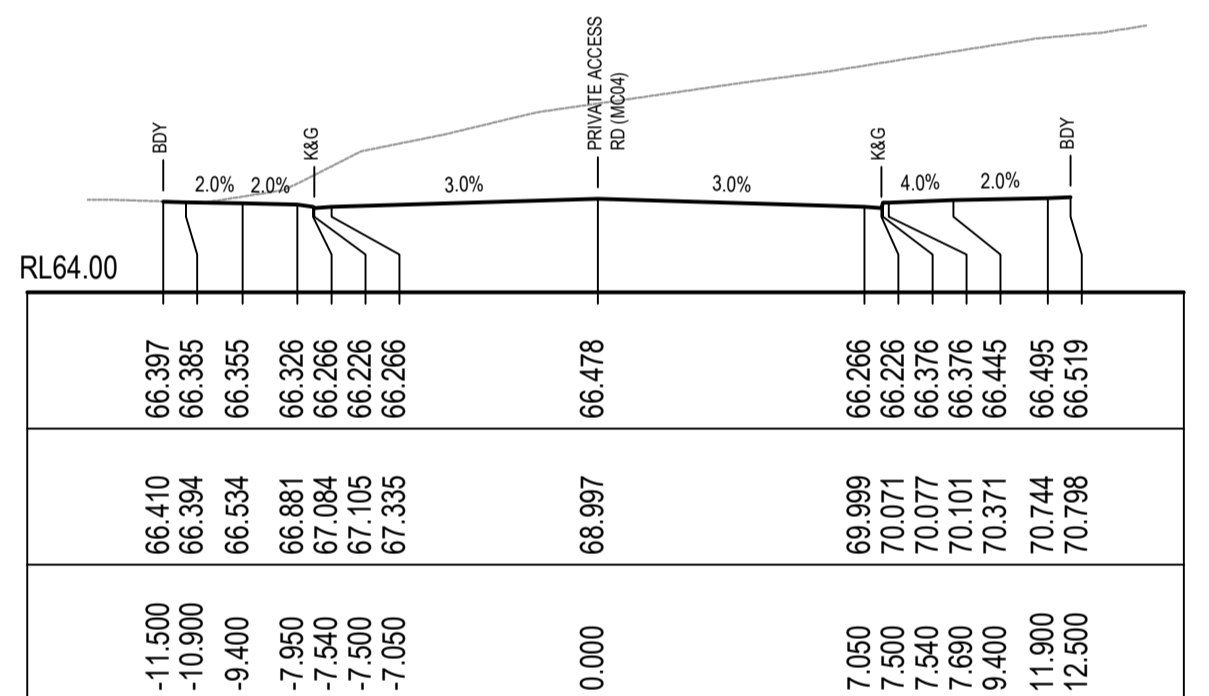
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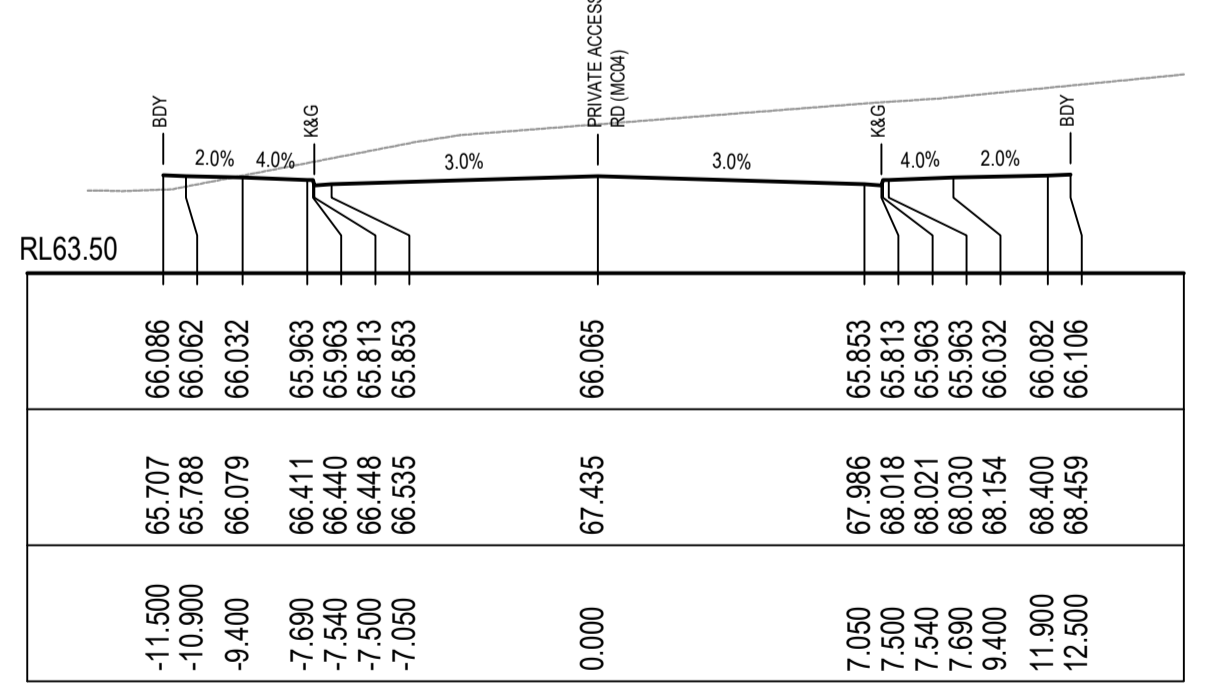
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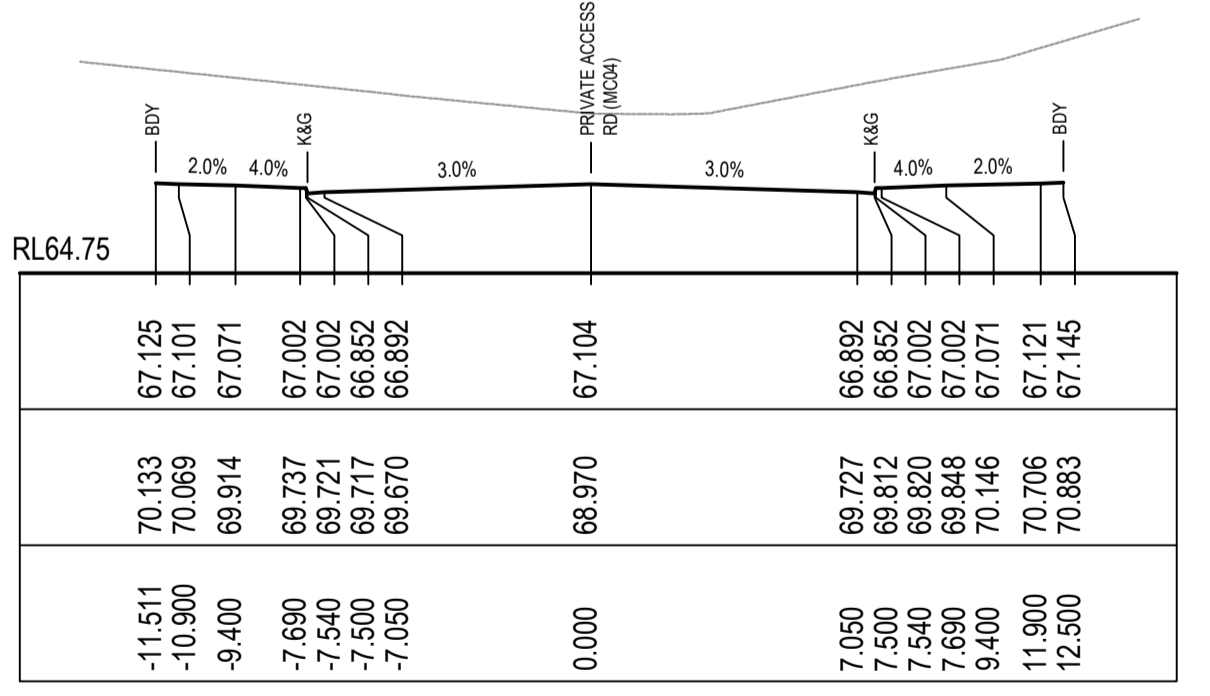
CH 200



CH 175

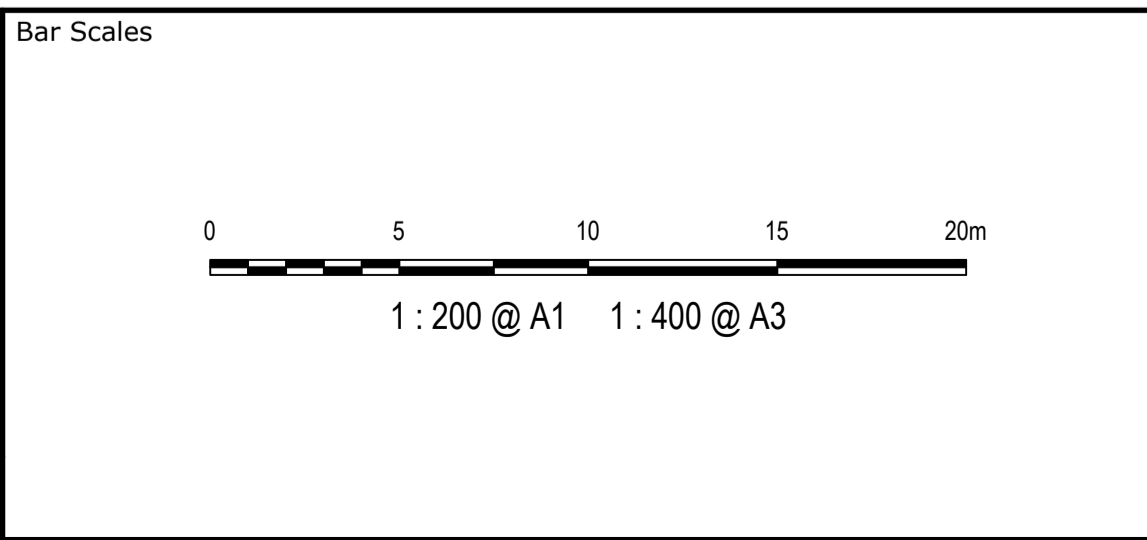


CH 150



CH 206.538

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 200	Drawn	LM
Grid	MGA2020	Designed	LM
Height Datum	AHD	Checked	AT
		Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**PRIVATE ACCESS ROAD (MC04) CROSS SECTIONS SHEET 1**

Civil Engineers and Project Managers

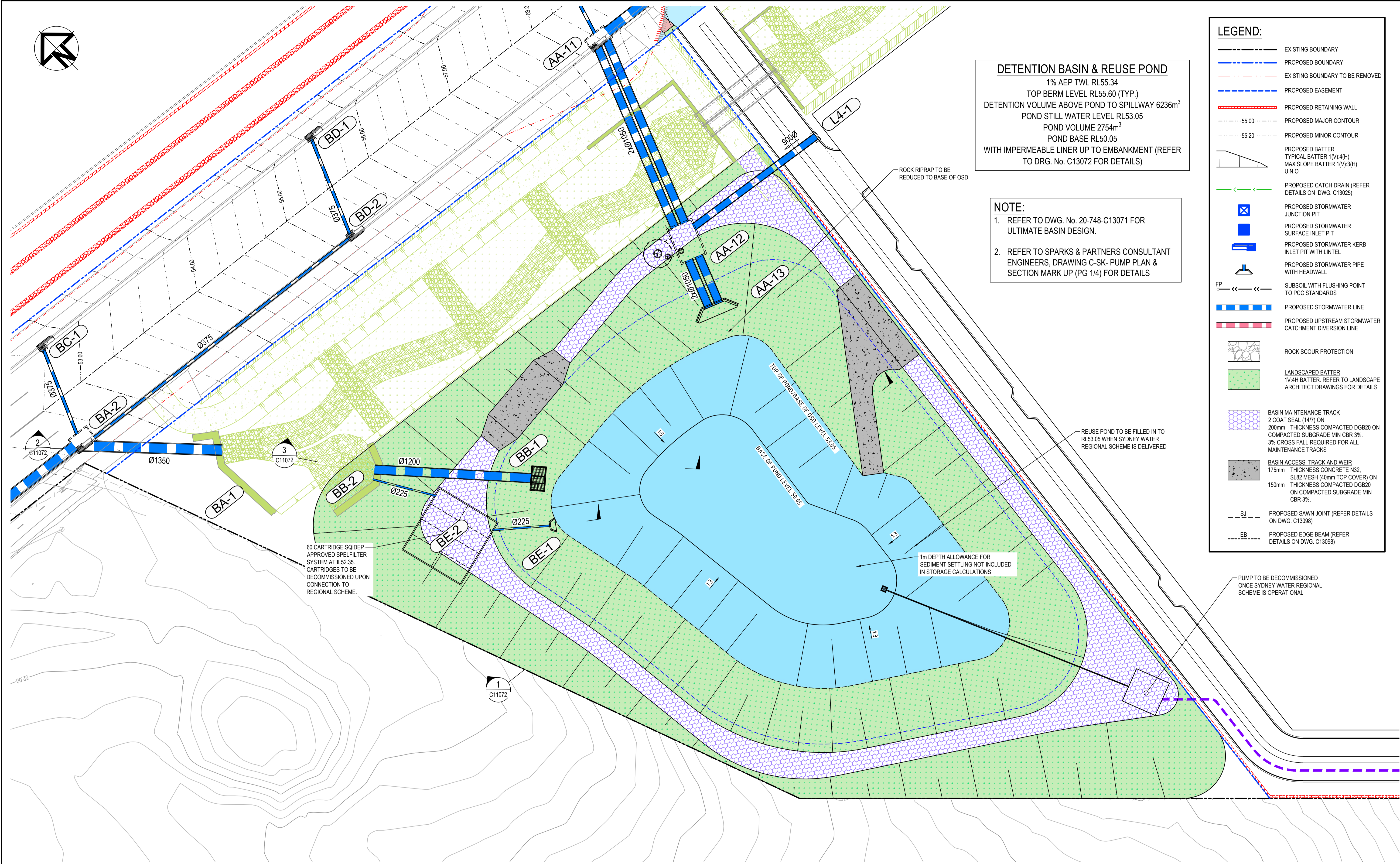
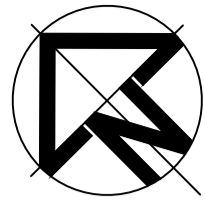
Level 7, 153 Walker Street  
 North Sydney NSW 2060  
 ABN 96 130 882 405  
 Tel: 02 9439 1777  
 Fax: 02 9923 1055  
 www.at.net.au  
 info@at.net.au

Status	<b>FOR APPROVAL</b>	Issue	<b>A1</b>
Project - Drawing No.	<b>20-748-C11064</b>	Issue	<b>5</b>

GDA2020

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**DETENTION BASIN & REUSE POND**  
 1% AEP TWL RL55.34  
 TOP BERM LEVEL RL55.60 (TYP.)  
 DETENTION VOLUME ABOVE POND TO SPILLWAY 6236m<sup>3</sup>  
 POND STILL WATER LEVEL RL53.05  
 POND VOLUME 2754m<sup>3</sup>  
 POND BASE RL50.05  
 WITH IMPERMEABLE LINER UP TO EMBANKMENT (REFER TO DRG. No. C13072 FOR DETAILS)

**NOTE:**  
 1. REFER TO DWG. No. 20-748-C13071 FOR ULTIMATE BASIN DESIGN.  
 2. REFER TO SPARKS & PARTNERS CONSULTANT ENGINEERS, DRAWING C-SK- PUMP PLAN & SECTION MARK UP (PG 1/4) FOR DETAILS

LEGEND:	
	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED EASEMENT
	PROPOSED RETAINING WALL
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED BATTER TYPICAL BATTER 1(V):4(H) MAX SLOPE BATTER 1(V):3(H) U.N.O
	PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
	PROPOSED STORMWATER JUNCTION PIT
	PROPOSED STORMWATER SURFACE INLET PIT
	PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
	PROPOSED STORMWATER PIPE WITH HEADWALL
	SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
	PROPOSED STORMWATER LINE
	PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
	ROCK SCOUR PROTECTION
	LANDSCAPED BATTER 1V:4H BATTER. REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR DETAILS
	BASIN MAINTENANCE TRACK 2 COAT SEAL (14/7) ON 200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%. 3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
	BASIN ACCESS TRACK AND WEIR 175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON 150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
	PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)
	PROPOSED EDGE BEAM (REFER DETAILS ON DWG. C13098)

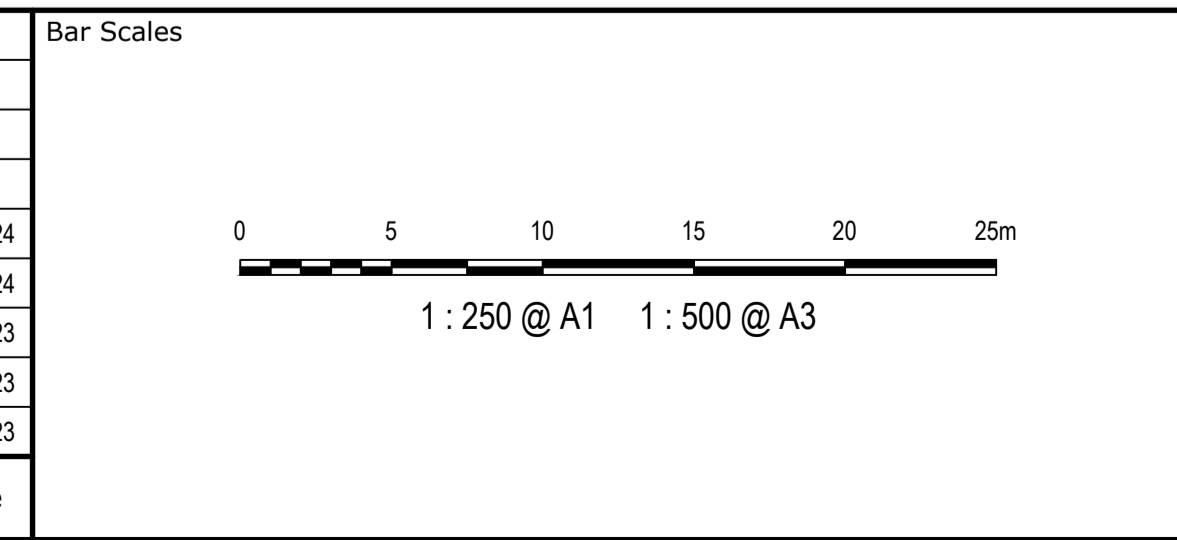
60 CARTRIDGE SIDEPEP APPROVED SPELFILTER SYSTEM AT RL52.35. CARTRIDGES TO BE DECOMMISSIONED UPON CONNECTION TO REGIONAL SCHEME.

1m DEPTH ALLOWANCE FOR SEDIMENT SETTLING NOT INCLUDED IN STORAGE CALCULATIONS

REUSE POND TO BE FILLED IN TO RL53.05 WHEN SYDNEY WATER REGIONAL SCHEME IS DELIVERED

PUMP TO BE DECOMMISSIONED ONCE SYDNEY WATER REGIONAL SCHEME IS OPERATIONAL

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

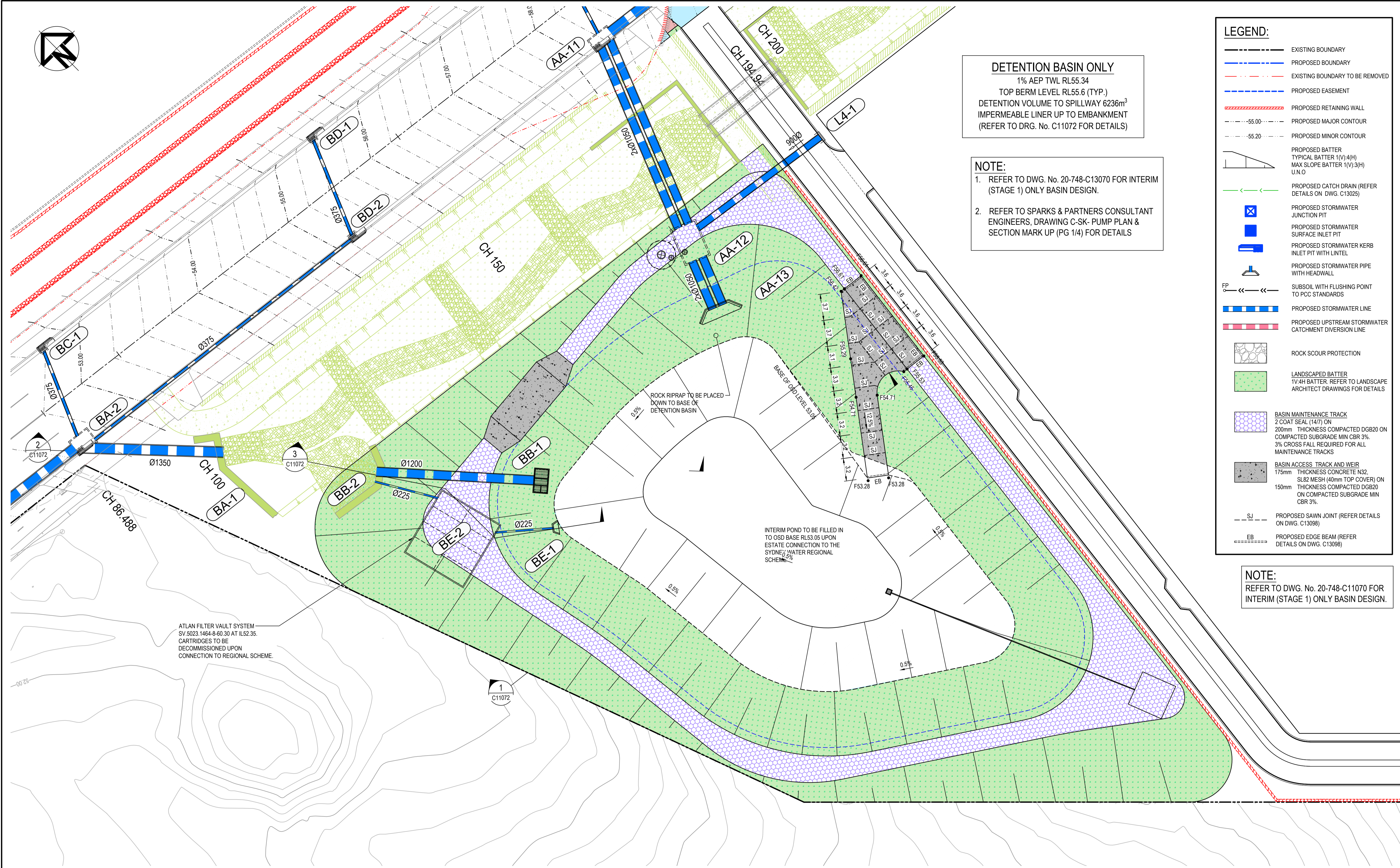
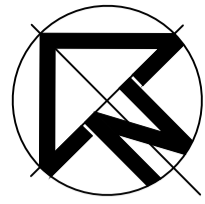
Title **INTERIM DETENTION BASIN AND REUSE POND DETAIL PLAN**

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11070	Issue
		5

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**DETENTION BASIN ONLY**  
 1% AEP TWL RL55.34  
 TOP BERM LEVEL RL55.6 (TYP.)  
 DETENTION VOLUME TO SPILLWAY 6236m<sup>3</sup>  
 IMPERMEABLE LINER UP TO EMBANKMENT  
 (REFER TO DRG. No. C11072 FOR DETAILS)

**NOTE:**  
 1. REFER TO DWG. No. 20-748-C13070 FOR INTERIM (STAGE 1) ONLY BASIN DESIGN.  
 2. REFER TO SPARKS & PARTNERS CONSULTANT ENGINEERS, DRAWING C-SK- PUMP PLAN & SECTION MARK UP (PG 1/4) FOR DETAILS

LEGEND:	
	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED EASEMENT
	PROPOSED RETAINING WALL
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED BATTER TYPICAL BATTER 1(V):4(H) MAX SLOPE BATTER 1(V):3(H) U.N.O
	PROPOSED CATCH DRAIN (REFER DETAILS ON DWG. C13025)
	PROPOSED STORMWATER JUNCTION PIT
	PROPOSED STORMWATER SURFACE INLET PIT
	PROPOSED STORMWATER KERB INLET PIT WITH INTEL
	PROPOSED STORMWATER PIPE WITH HEADWALL
	SUBSOIL WITH FLUSHING POINT TO PCC STANDARDS
	PROPOSED STORMWATER LINE
	PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
	ROCK SCOUR PROTECTION
	LANDSCAPED BATTER 1V:4H BATTER. REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR DETAILS
	BASIN MAINTENANCE TRACK 2 COAT SEAL (14/7) ON 200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%. 3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
	BASIN ACCESS TRACK AND WEIR 175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON 150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
	PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)
	PROPOSED EDGE BEAM (REFER DETAILS ON DWG. C13098)

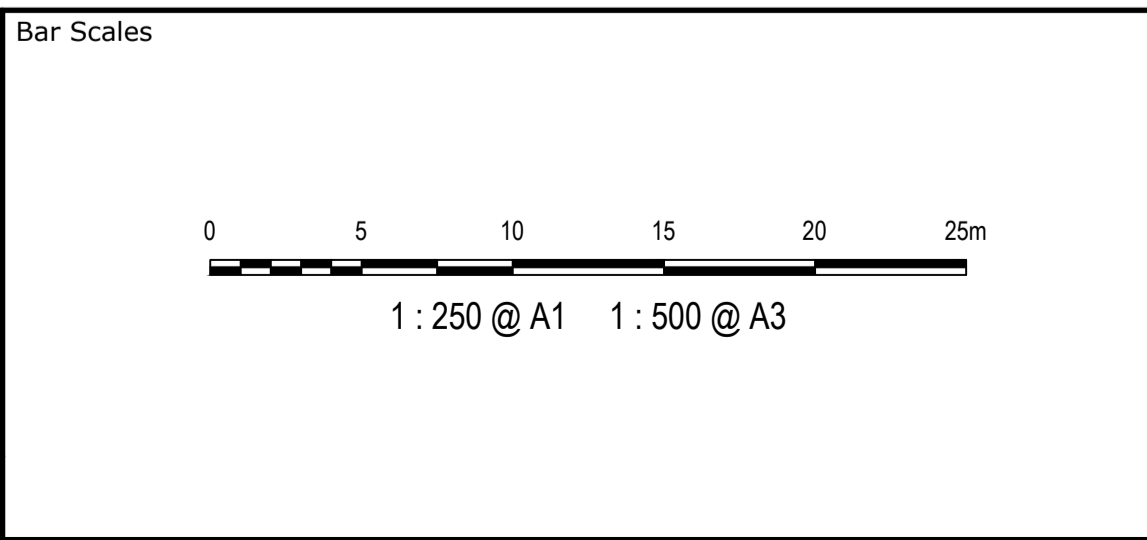
**NOTE:**  
 REFER TO DWG. No. 20-748-C11070 FOR INTERIM (STAGE 1) ONLY BASIN DESIGN.

ATLAN FILTER VAULT SYSTEM  
 SV 5023 1464-9-60 30 AT ILS2.35.  
 CARTRIDGES TO BE  
 DECOMMISSIONED UPON  
 CONNECTION TO REGIONAL SCHEME.

ROCK RIPRAP TO BE PLACED  
 DOWN TO BASE OF  
 DETENTION BASIN

INTERIM POND TO BE FILLED IN  
 TO OSD BASE RL53.05 UPON  
 ESTATE CONNECTION TO THE  
 SYDNEY WATER REGIONAL  
 SCHEME

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **ULTIMATE DETENTION BASIN DETAIL PLAN**

GDA2020

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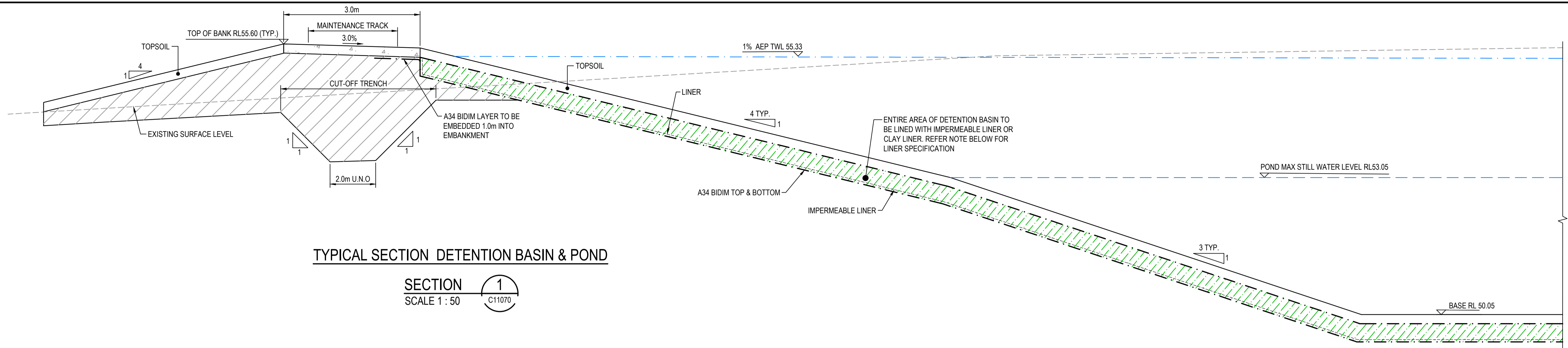
Civil Engineers and Project Managers

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 North Sydney NSW 2060  
 ABN 96 130 882 405  
 Tel: 02 9439 1777  
 Fax: 02 9923 1055  
 www.at.net.au  
 info@at.net.au

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

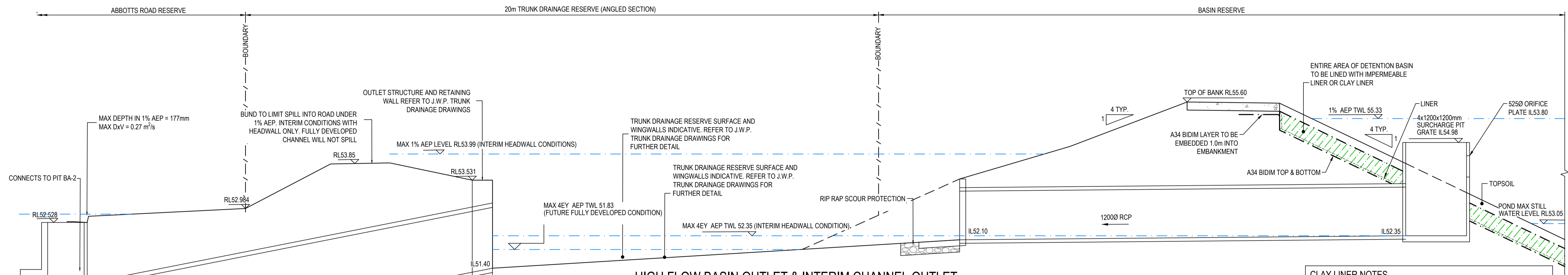
Project - Drawing No. **20-748-C11071**

Issue	Date	Issue
		5



TYPICAL SECTION DETENTION BASIN & POND

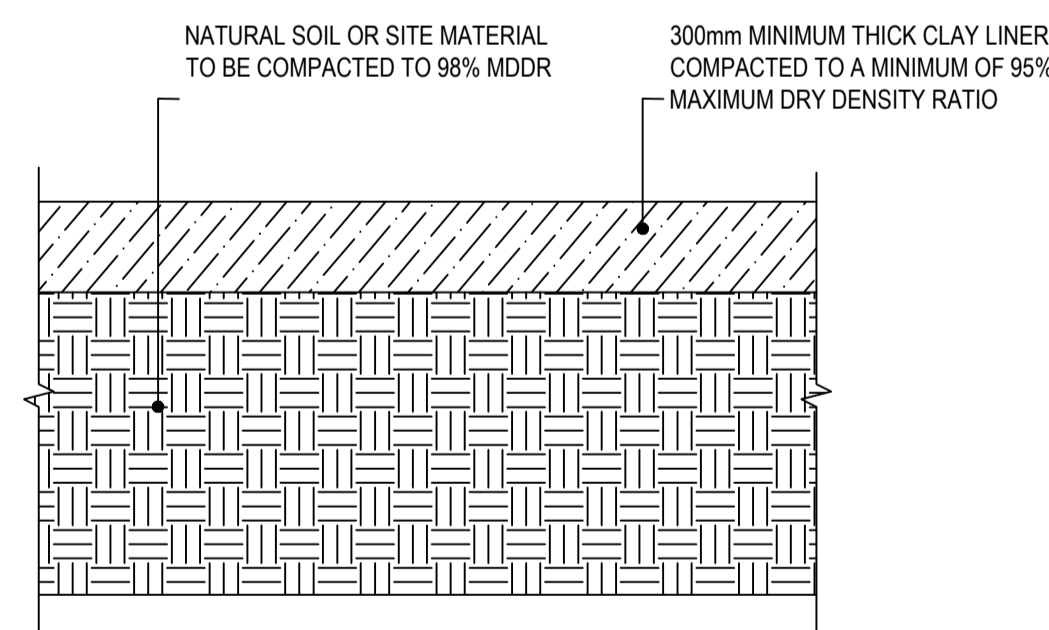
SECTION 1  
SCALE 1 : 50



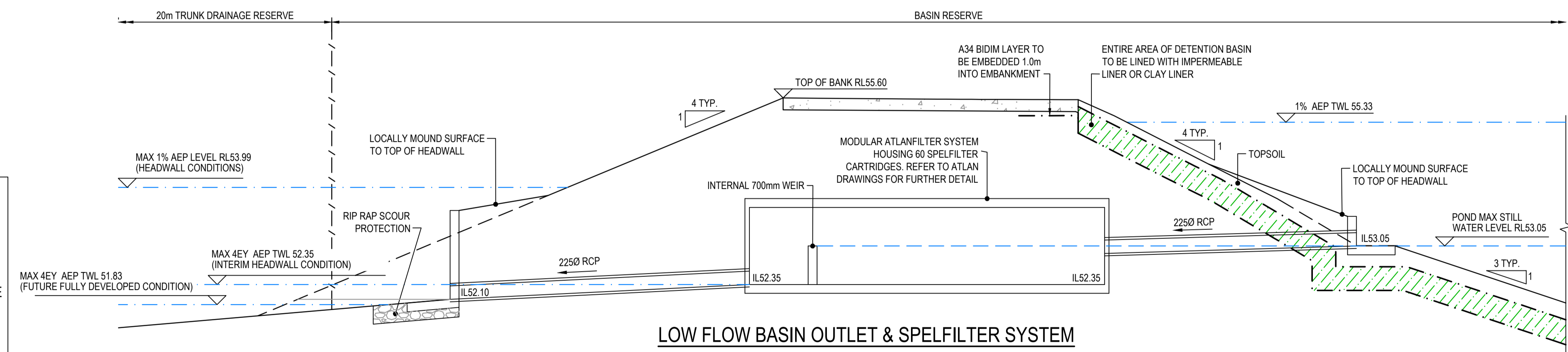
HIGH FLOW BASIN OUTLET & INTERIM CHANNEL OUTLET

SECTION 2  
SCALE 1 : 100 (H)  
SCALE 1 : 50 (V)

- CLAY LINER NOTES**
- PERMEABILITY MUST BE  $1.0 \times 10^{-9}$  m/s OR LESS
  - MATERIAL SHALL HAVE A LIQUID LIMIT BETWEEN 30% - 60% AND A PLASTICITY INDEX OF >10%
  - CLAY LINER MUST BE A MINIMUM OF 300mm THICK
  - POND SHALL BE FILLED WITH AT LEAST 500MM OF WATER UPON COMPLETION TO PREVENT CLAY LINER FROM DRYING OUT
  - COMPACTED CLAY MUST BE A MINIMUM OF 95% DRY DENSITY
  - COMPACTED CLAY MUST BE WITHIN 2% F OPTIMUM MOISTURE CONTENT



CLAY LINER DETAIL

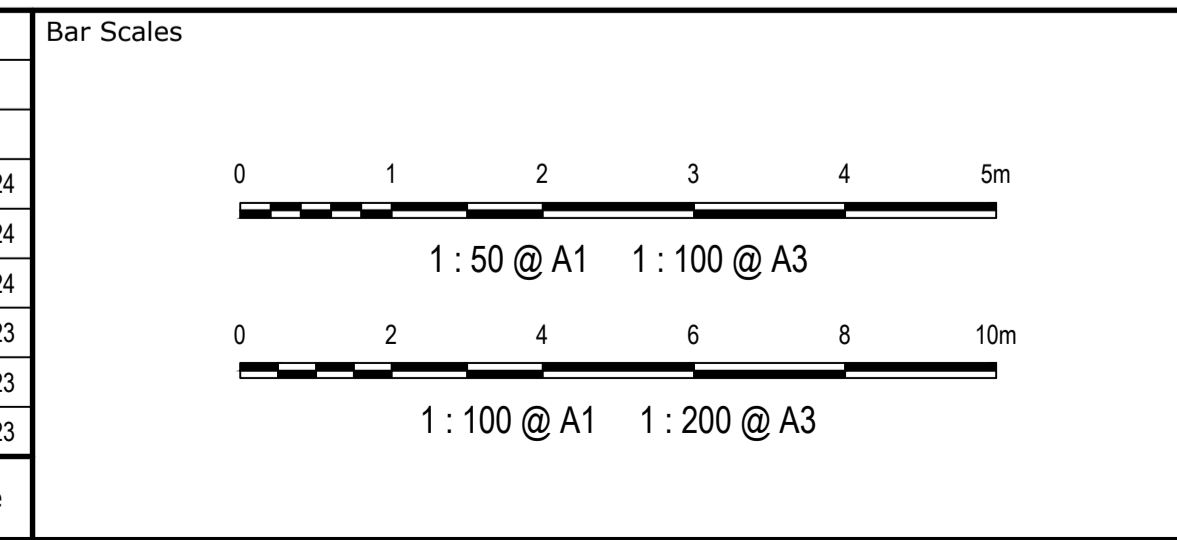


LOW FLOW BASIN OUTLET & SPELFILTER SYSTEM

SECTION 3  
SCALE 1 : 100 (H)  
SCALE 1 : 50 (V)

- NOTES:**
- ALL HEADWALLS AND PITS ARE SUBJECT TO STRUCTURAL DESIGN AND/OR SUPPLIER SPECIFICATIONS.
  - ANY WORKS WITHIN THE TRUNK DRAINAGE RESERVE ARE SUBJECT TO THE DESIGN DRAWINGS BY J.WYNDHAM PRINCE.
  - REFER TO SPARKS & PARTNERS CONSULTANT ENGINEERS, DRAWING C-SK-PUMP PLAN & SECTION MARK UP (PG 3/4) FOR DETAILS

Issue	Description	Date
7	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
6	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
5	ISSUED FOR MOD 1 APPROVAL	19-01-24
4	ISSUED FOR MOD 1 APPROVAL	13-12-23
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23



Client

Scales	Drawn	LM
AS SHOWN	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

**DETENTION BASIN & POND SECTIONS**

Civil Engineers and Project Managers

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

Status

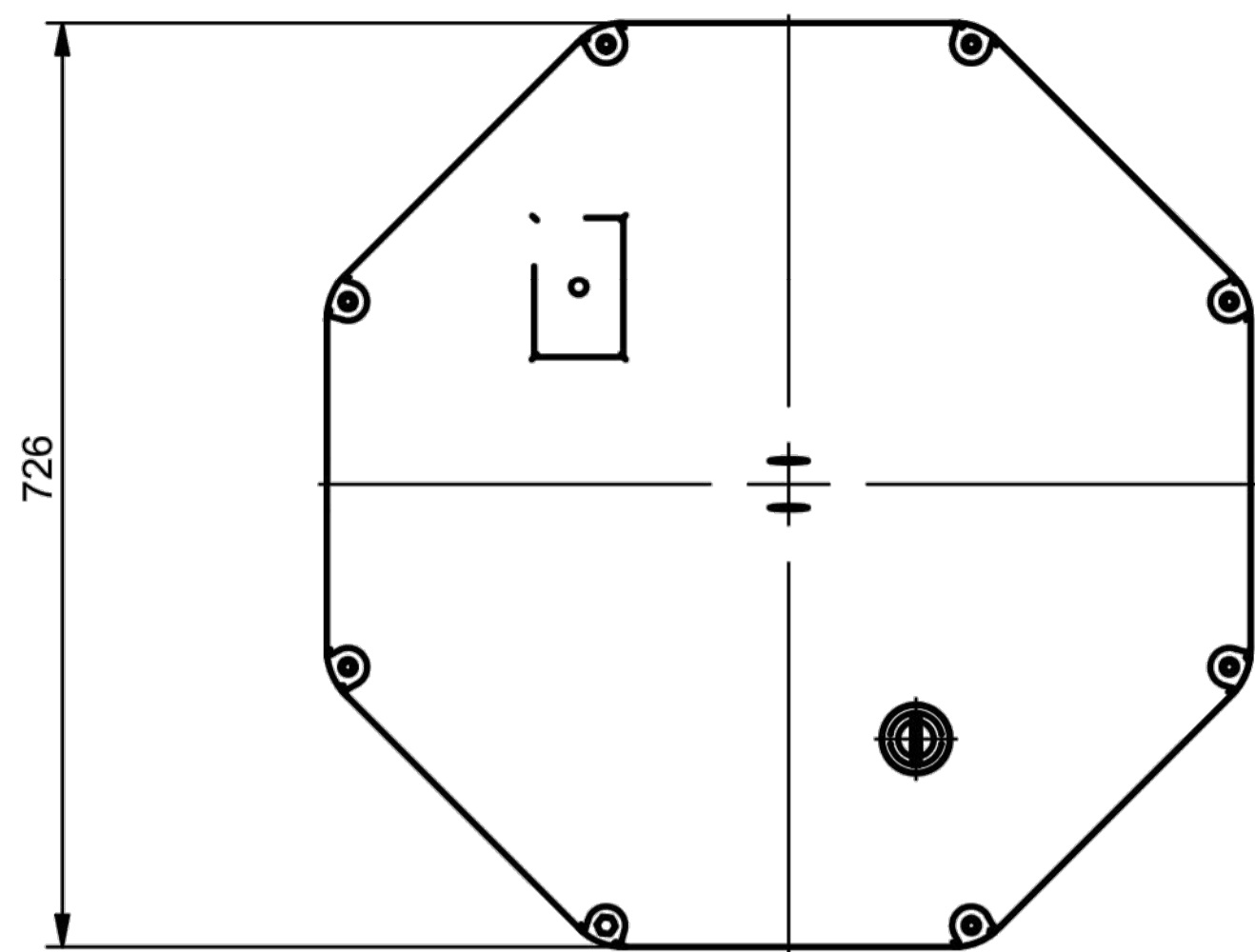
**FOR APPROVAL**  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

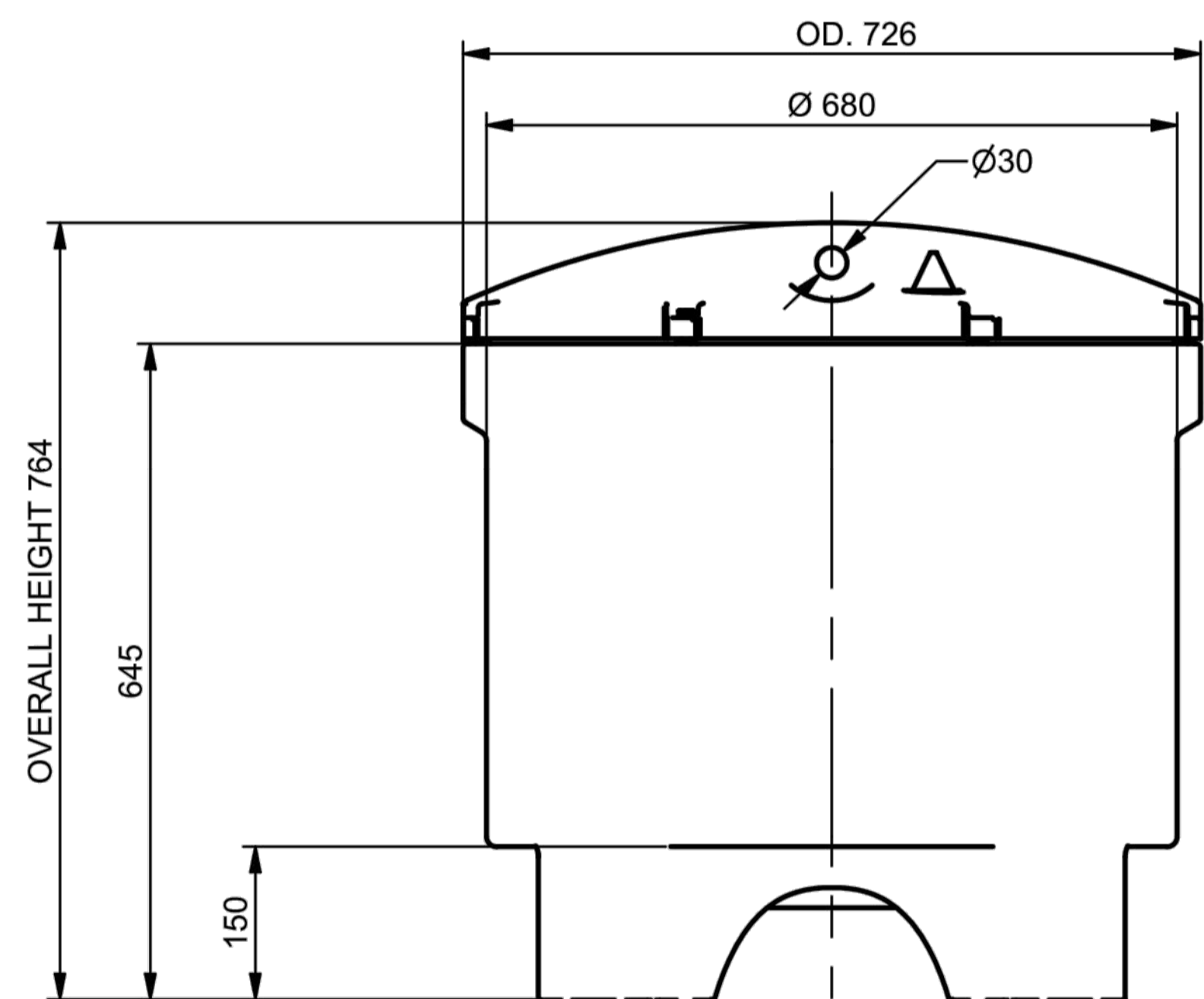
**20-748-C11072**

Issue

**7**

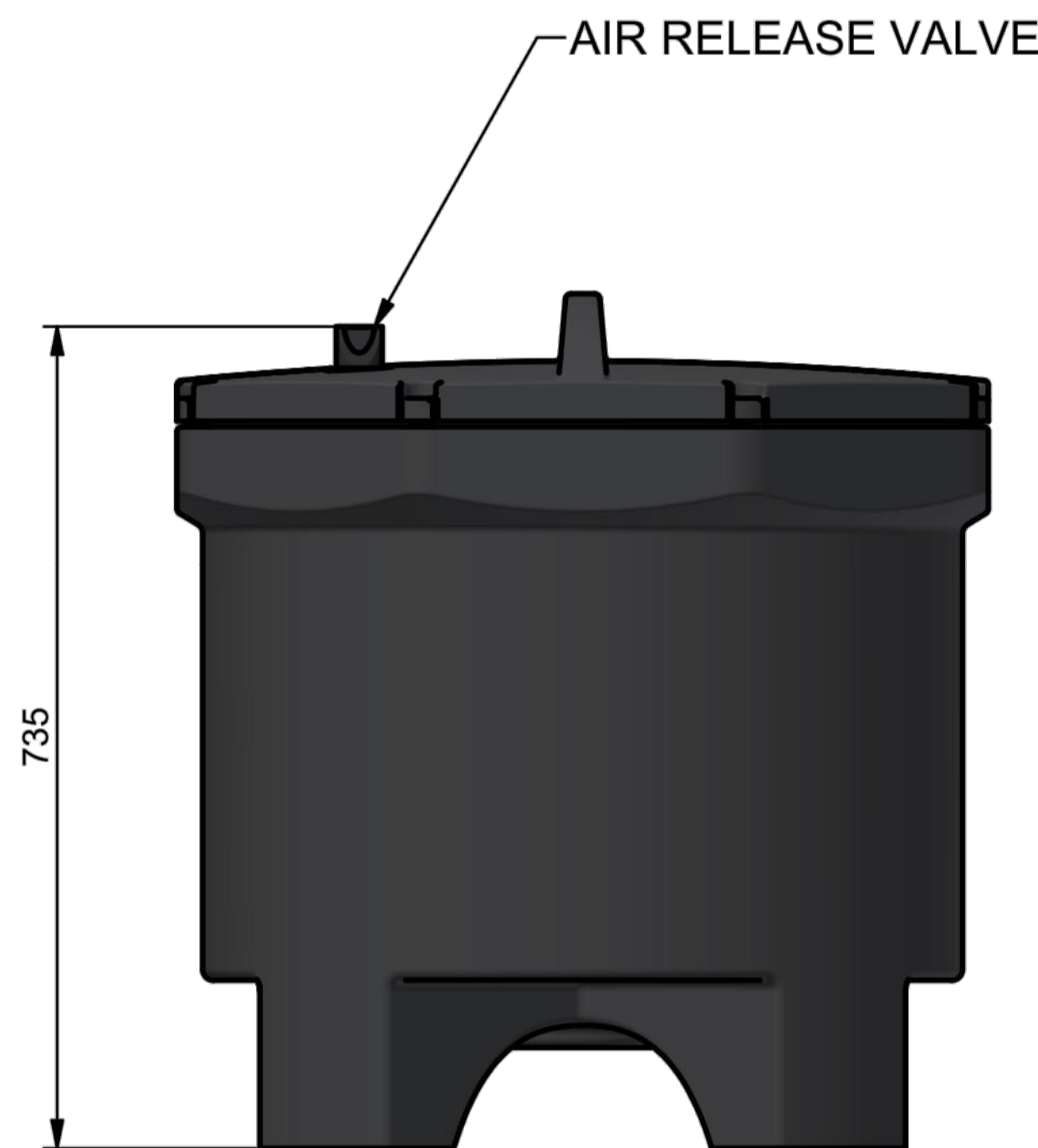


**PLAN VIEW**

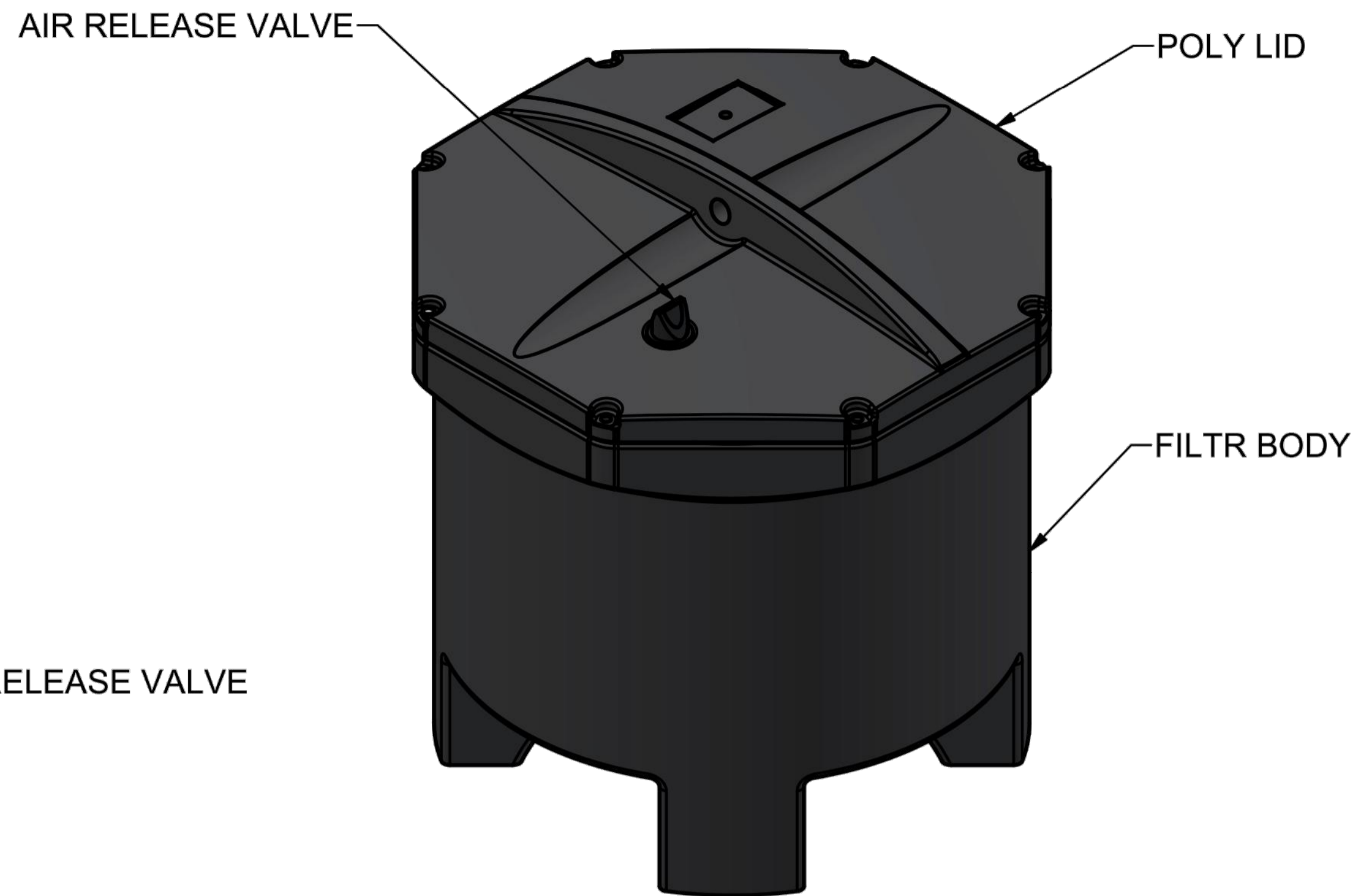


**ELEVATION VIEW**

NON-STANDARD FILTERS LEGS CUT-DOWN BY 100mm.



**SIDE VIEW**



**ISOMETRIC VIEW**

**NON STANDARD PRODUCT**

TOLERANCE: All Dimensions to Closest 10 mm & +/- 30 mm ALL INTERCONNECTING PIPEWORK, PITS AND ASSOCIATED DRAINAGE BY OTHERS

CLIENT:				
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Drawn	Date	PROJECT :		
J.MAKIN	19/07/2023	TITLE		
Check	Date	ATLAN FILTER		
Verified	Date	MODEL : SF-3.0-EMC-M		
Approved	Date	GENERAL ARRANGEMENT		
Project No.		SCALE	SIZE	SHEET
		N.T.S	A3	1
		CUSTOMER CODE :		REV
		DWG No.		1
		23190723.P.01.FIL.20.GA		

1	19/07/2023	J.MAKIN	INITIAL RELEASE	
REV	DATE	BY	DESCRIPTION	CHK

Atlan STORMWATER logo

Project		Civil Engineers and Project Managers	
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK		at&I	
Title		Level 7, 153 Walker Street North Sydney NSW 2060	
SPELFILTER DETAILS		ABN 96 130 882 405	
Scale		Tel: 02 9439 1777	
NTS		Fax: 02 9923 1055	
Grid		www.atl.net.au	
MGA2020		info@atl.net.au	
Height Datum		Status	
AHD		FOR APPROVAL	
		NOT TO BE USED FOR CONSTRUCTION	
		Project - Drawing No.	
		20-748-C11073	
		Issue	
		3	

3	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
2	ISSUED FOR MOD 1 APPROVAL	01-11-23
1	ISSUED FOR CLIENT REVIEW	24-07-23
Issue	Description	Date

Bar Scales

Client

Scales

NTS

Grid MGA2020

Height Datum AHD

Drawn JS

Designed LM

Checked AT

Approved

GDA2020 logo

Project

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title

SPELFILTER DETAILS

Scale

NTS

Grid

MGA2020

Height Datum

AHD

Drawn

JS

Designed

LM

Checked

AT

Approved

GDA2020 logo

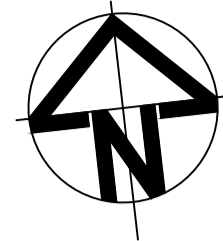
Project - Drawing No.

20-748-C11073

Issue

3

E:\Vault Working Folder\Designs\ITEMS\PRODUCTS\FILTER\POLY SPEL FILTER\23190723.P.01.FIL.20.GA.dwg



ALDINGTON ROAD

LOT 1

INDICATIVE RAINWATER TANK  
TOILET REUSE & ON-LOT IRRIGATION ASSUMED  
50% OF ROOF AREA CATCHMENT VOLUME 250m<sup>3</sup>

FUTURE ALLOTMENTS TO SATISFY OSD REQUIREMENTS ON  
LOT UPON DEVELOPMENT. DISCHARGE INTO TRUNK OPEN  
CHANNEL VIA PROVIDED STAGE 1 STORMWATER NETWORK.

ABBOTTS ROAD

TRUNK DRAINAGE OPEN CHANNEL  
20m RESERVE INCLUDING MAINTENANCE TRACK

ATLAN FILTER SYSTEM  
INTERIM WATERWAY HEALTH MEASURE TO TREAT POLLUTANT  
LOADS TO DCP REQUIREMENT. TO BE DECOMMISSIONED UPON  
CONNECTION TO REGIONAL SCHEME

ON SITE DETENTION BASIN  
VOLUME 6755m<sup>3</sup> (ABOVE POND) SATISFIES LOT 1,  
LOT 4 & ROAD CATCHMENT REQUIREMENTS.  
FUTURE LOTS REQUIRE SEPARATE OSD.

HARVESTING POND  
INTERIM WATERWAY HEALTH MEASURE IN BASE OF OSD  
VOLUME 2754m<sup>3</sup> SURFACE AREA 1915m<sup>2</sup> DEPTH 3m (TOP 2m  
AVAILABLE FOR HARVESTING) TO BE DECOMMISSIONED UPON  
CONNECTION TO REGIONAL SCHEME.

INDICATIVE IRRIGATION PUMP ROOM  
REFER TO HYDRAULIC ENGINEER'S DESIGN

INDICATIVE PRESSURISED IRRIGATION MAIN  
REFER TO HYDRAULIC ENGINEER'S DESIGN

GROSS POLLUTANT TRAP  
STORMWATER PRE-TREATMENT

LOT 4

INDICATIVE RAINWATER TANK  
TOILET REUSE & ON-LOT IRRIGATION ASSUMED  
50% OF ROOF AREA CATCHMENT VOLUME 60m<sup>3</sup>

IRRIGATION AREA  
4ha OF RESIDUAL LAND  
TOTAL DEMAND 24ML/yr

FUTURE LOT 5

EXTERNAL CATCHMENTS TO SATISFY  
WATERWAY HEALTH AND OSD  
REQUIREMENTS INDEPENDENTLY  
UPON DEVELOPMENT. DISCHARGE  
INTO TRUNK OPEN CHANNEL VIA  
PROVIDED STAGE 1 STORMWATER  
NETWORK.

SURFACE FOR SPRINKLER  
IRRIGATION AREA TO BE MAXIMUM  
6% RESULTANT GRADE

REFER TO IRRIGATION SPRINKLER  
AND DISTRIBUTION DESIGN FOR  
FURTHER DETAIL

EXISTING CATCHMENT  
DIVERTS TO WEST

UNDEVELOPED LAND FLOWS  
WEST TO MAMRE RD

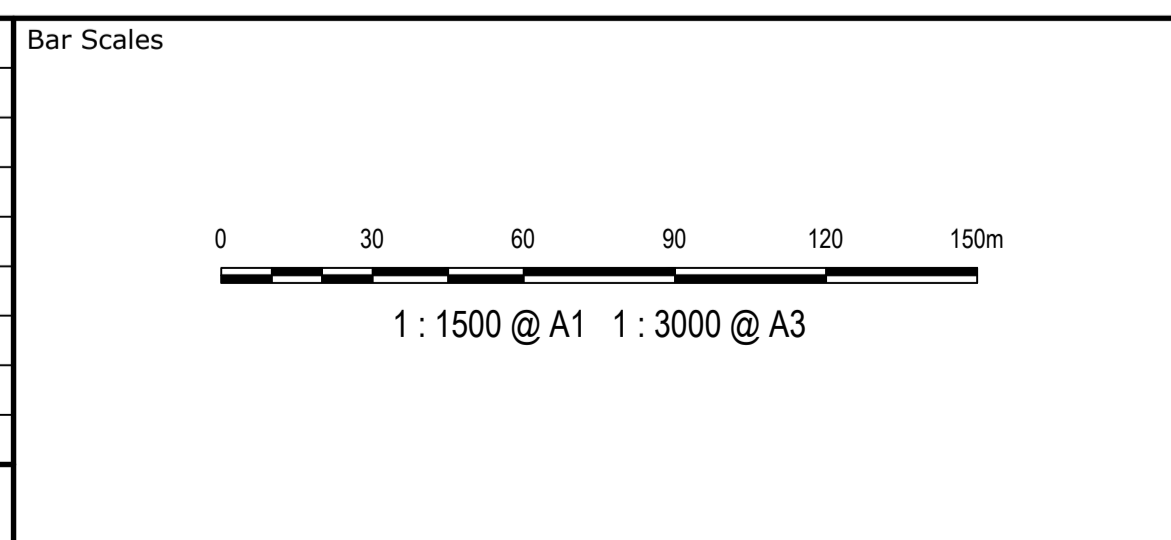
**STORMWATER MANAGEMENT  
LEGEND**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED RETAINING WALL
- GROSS POLLUTANT TRAP
- ATLAN FILTER CARTRIDGES FOR WATER QUALITY TREATMENT
- ON-LOT RAINWATER TANKS
- EVAPORATION POND/RE-USE BASIN
- RESIDUAL LAND TO BE IRRIGATED AT 600mm/year RATE
- PROPOSED STORMWATER DRAINAGE TO SERVICE WESTLINK INDUSTRIAL ESTATE
- PROPOSED STORMWATER DIVERSION LINE TO DIVERT EXTERNAL CATCHMENTS TO ABBOTTS ROAD UPON FULLY DEVELOPED SITE.

**NOTES:**

1. THIS PLAN PRESENTS STORMWATER MANAGEMENT MEASURES THAT WOULD BE REQUIRED TO SATISFY STORMWATER QUALITY, QUANTITY AND FLOW TARGETS STIPULATED IN THE MAMRE ROAD DCP 2021 IN THE ABSENCE OF REGIONAL STORMWATER MANAGEMENT INTERVENTIONS.
2. ONCE THE REGIONAL STORMWATER MANAGEMENT SOLUTION IS IN PLACE, MEASURES ON THIS PLAN I.E. EVAPORATION AND REUSE PONDS, ATLAN FILTERS, AND IRRIGATION ARE NO LONGER REQUIRED.
3. REFER TO SPARKS & PARTNERS CONSULTANT ENGINEERS, DRAWING 23272\_C\_SK\_PUMP PLAN & SECTION MARK UP\_REV2 FOR DETAILS OF THE IRRIGATION PUMP AND DISTRIBUTION SYSTEM.
4. REFER TO WESTLINK STAGE 1 SOIL ASSESSMENT REPORT J004952\_2.0 BY SESL FOR ADDITIONAL DETAIL OF SOIL AMELIORATION OR IMPROVEMENT REQUIRED WITHIN THE IRRIGATION AREA.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 1500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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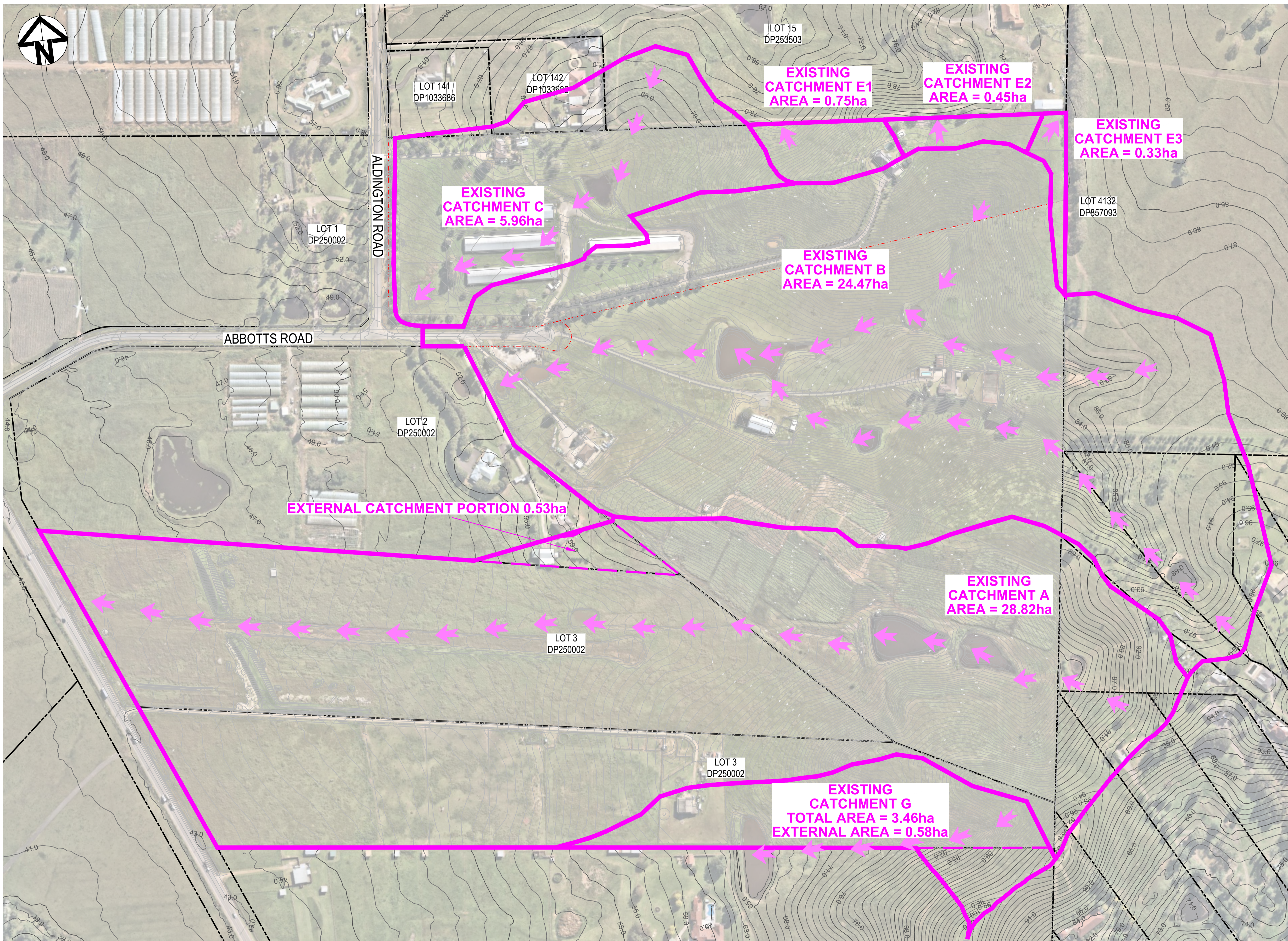
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **STORMWATER MANAGEMENT PLAN INTERIM ARRANGEMENT**

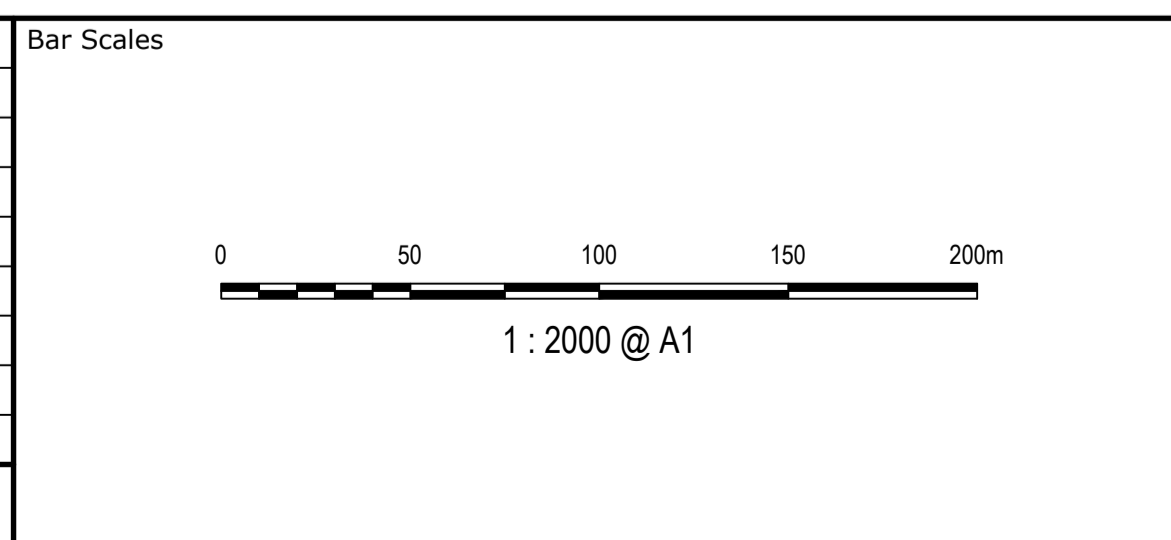
Civil Engineers and Project Managers

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	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	20-748-C11075	Issue
		5



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scale	1 : 2000	Drawn	LM
Grid	MGA2020	Designed	LM
Height Datum	AHD	Checked	AT
		Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

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

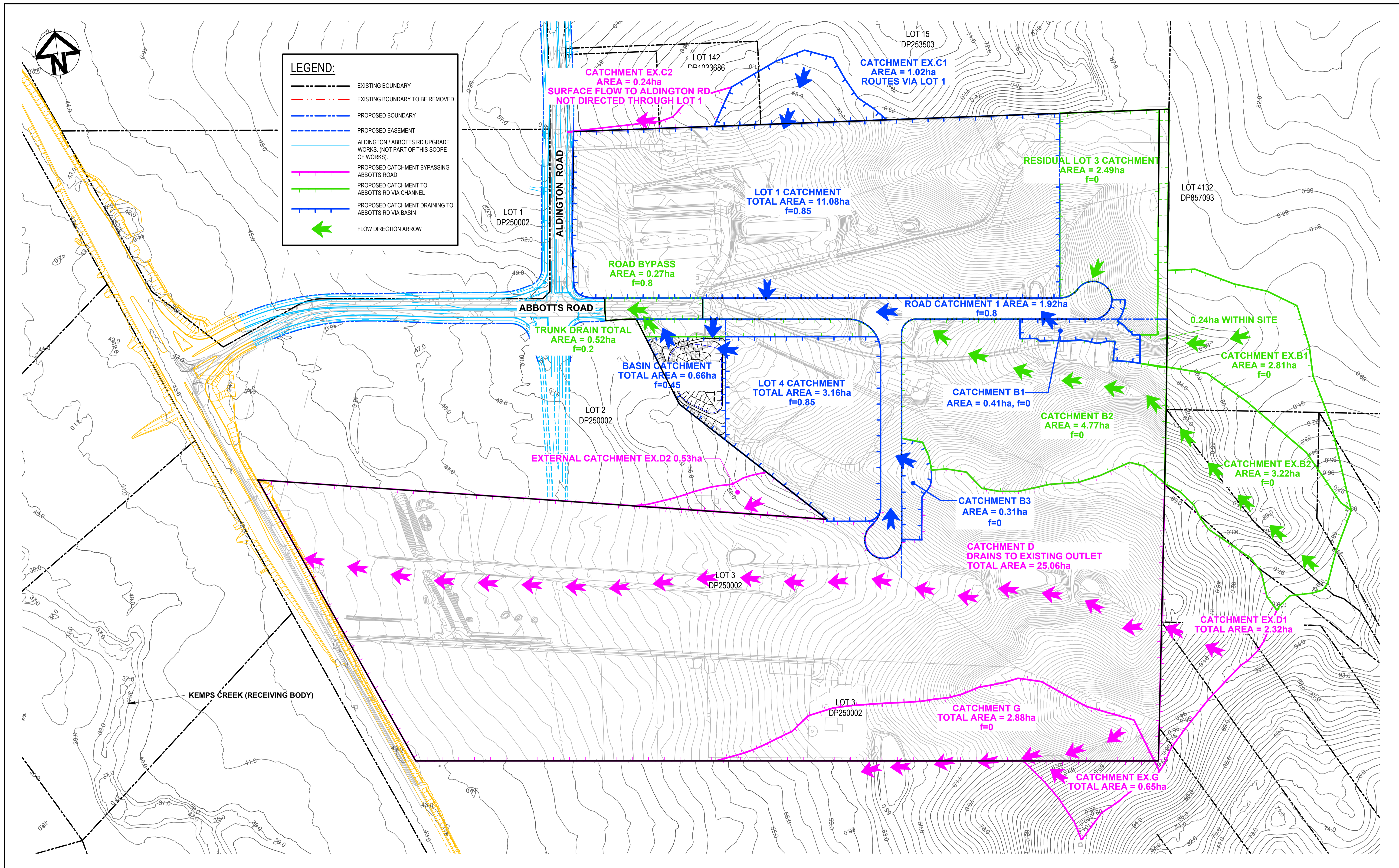
Civil Engineers and Project Managers

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

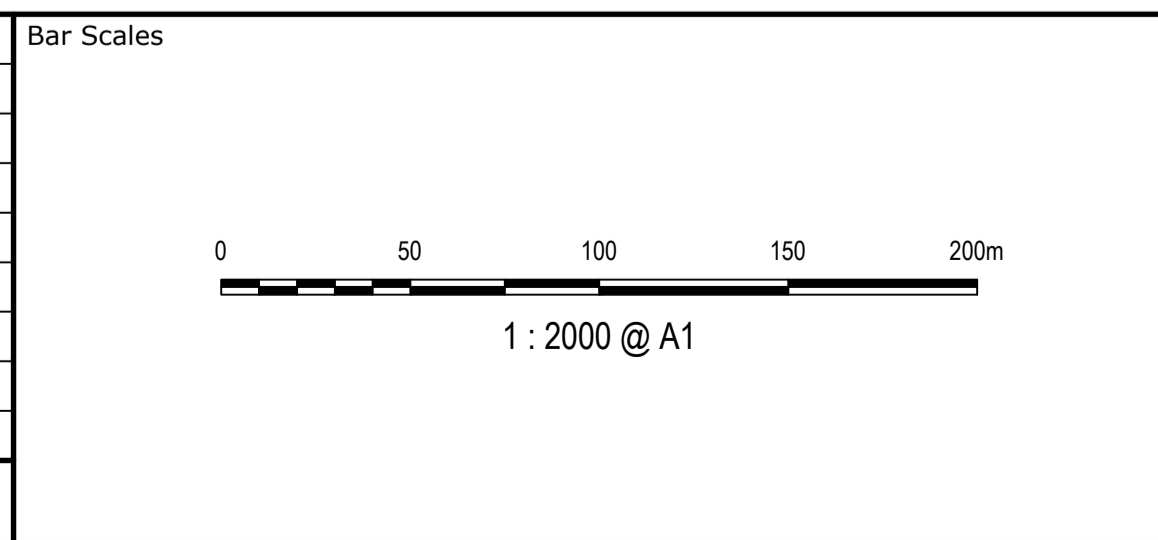
Status	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11080	Issue
		5

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 2000	Drawn	LM
Grid	MGA2020	Designed	LM
Height Datum	AHD	Checked	AT
		Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**STORMWATER DRAINAGE OVERALL CATCHMENT PLAN (POST-DEVELOPED)**

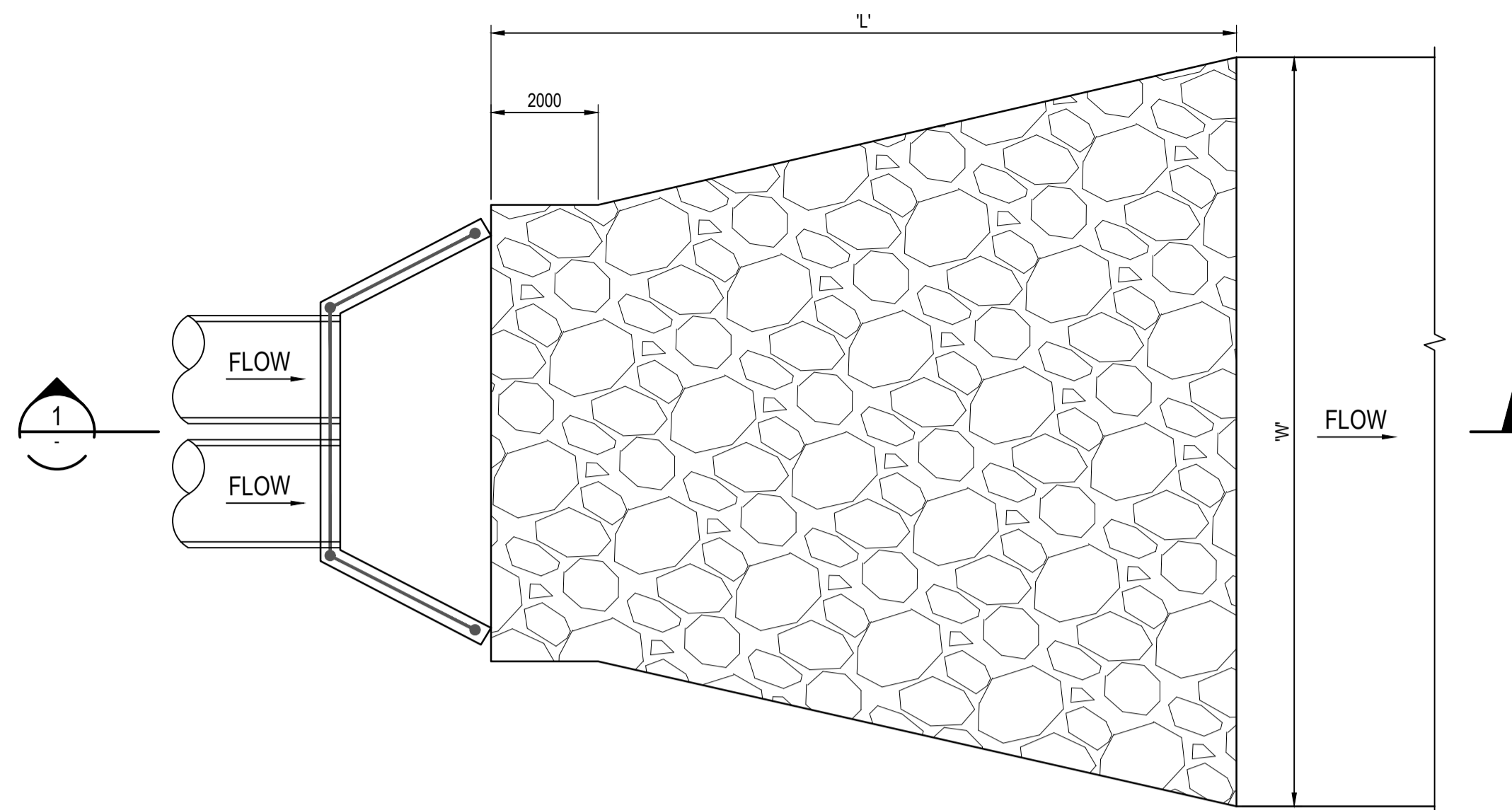
Civil Engineers and Project Managers

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

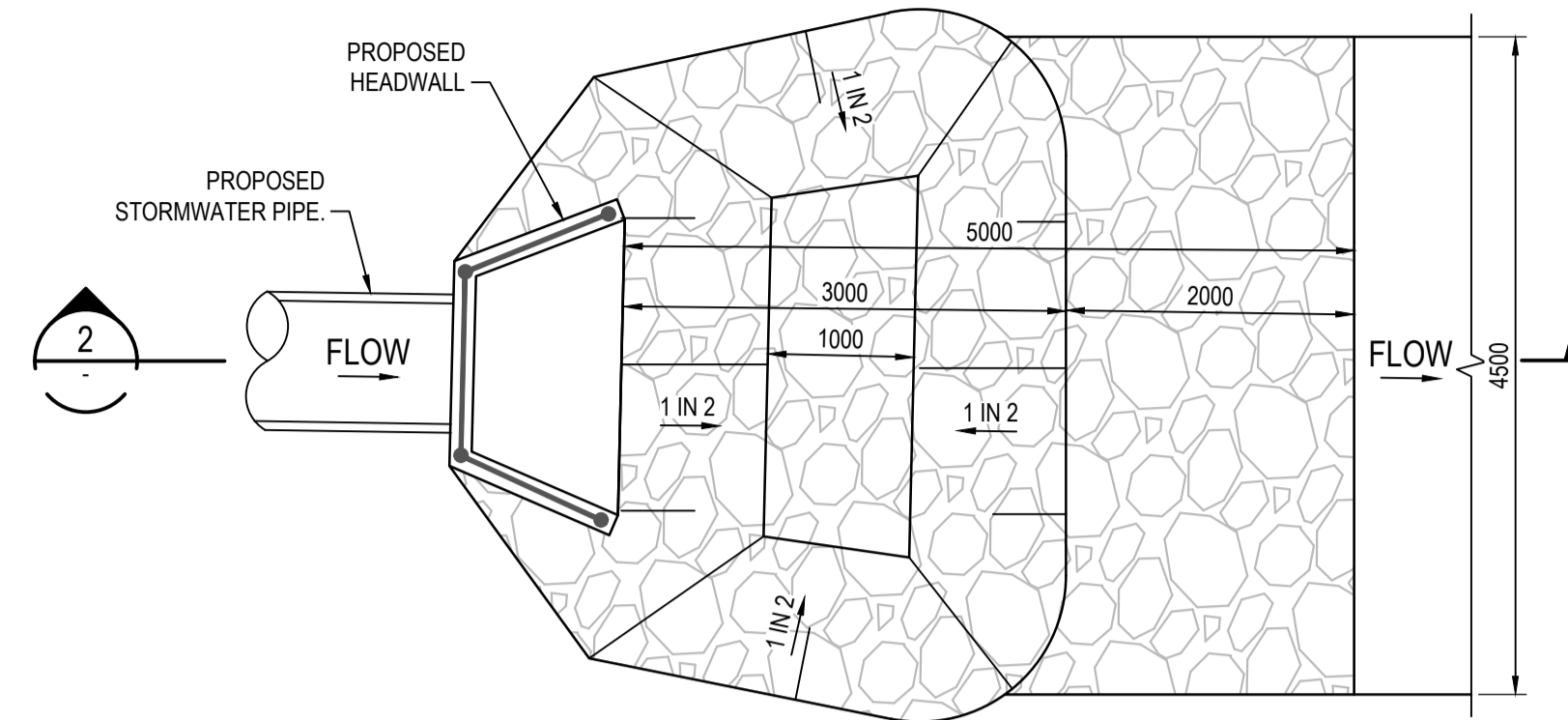
Status	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11081	Issue
		5

**GDA2020**

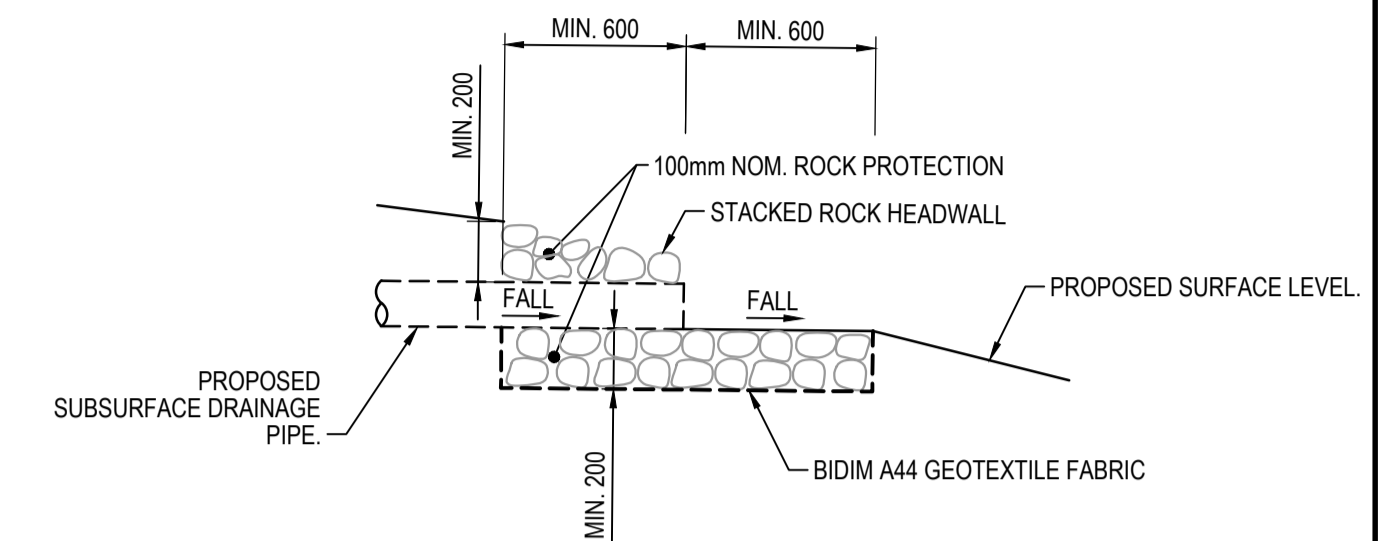
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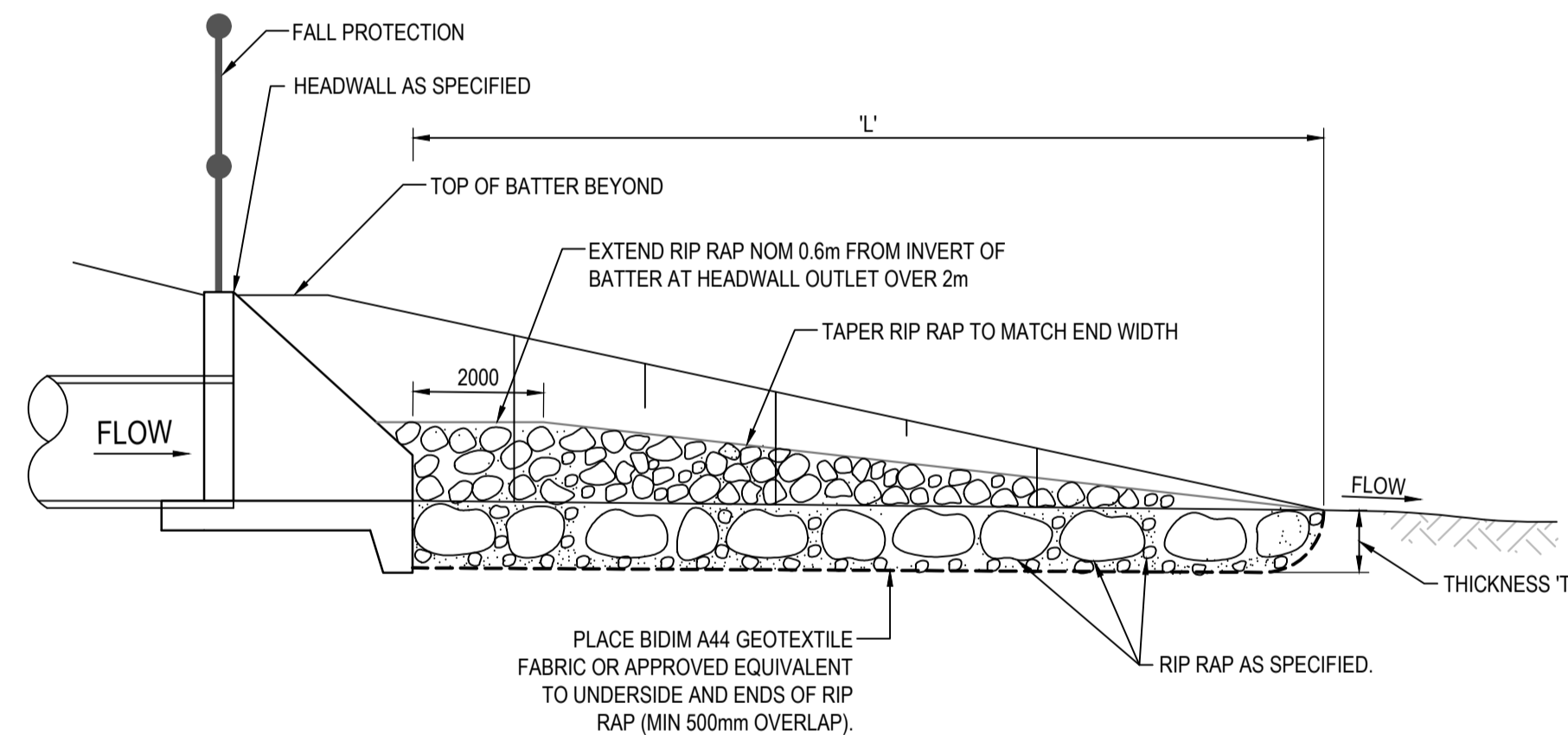
**RIP RAP OUTLET PROTECTION  
TYPE 1 DETAIL**  
1 : 100



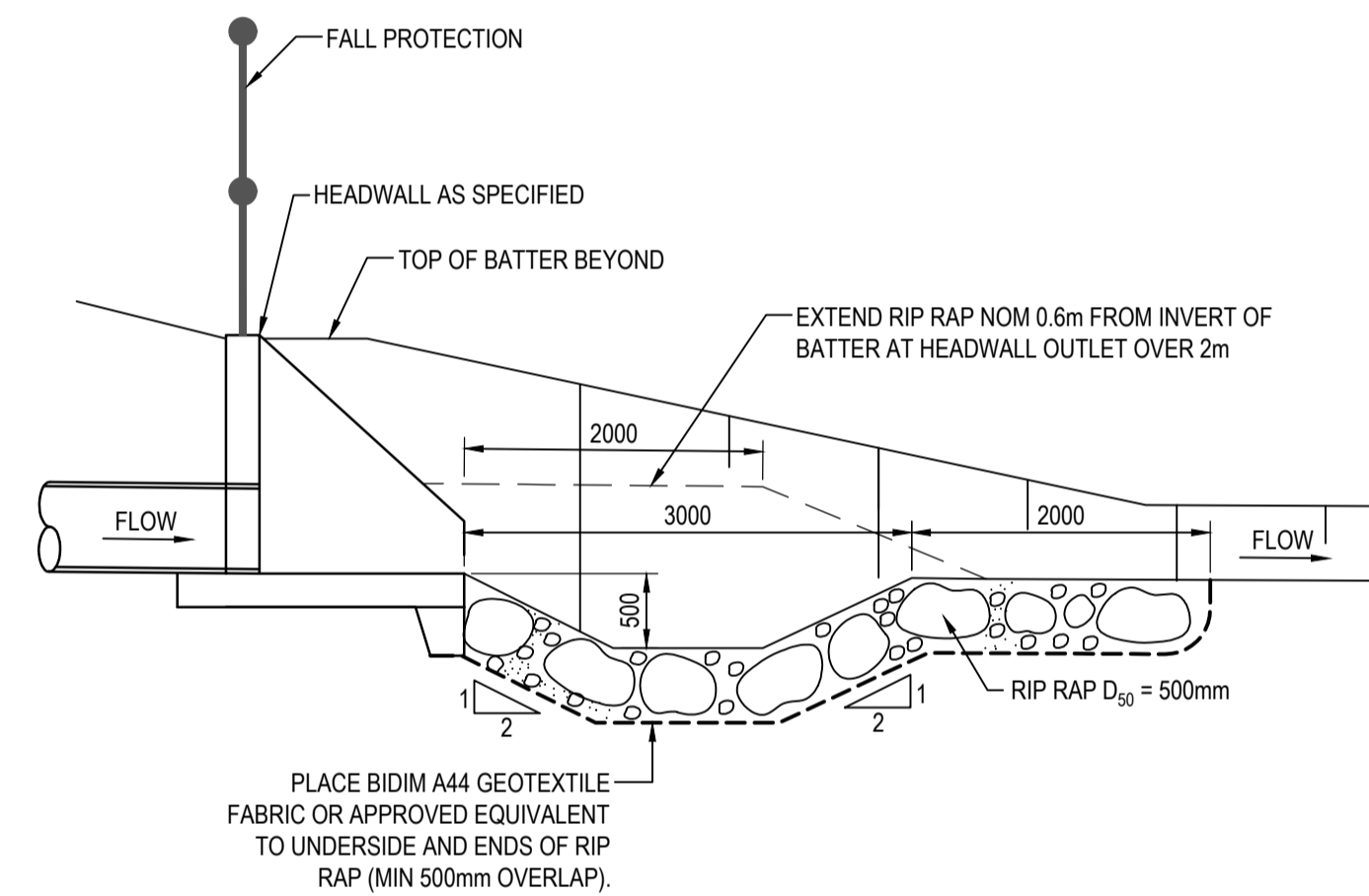
**RIP RAP ENERGY DISSIPATER  
DETAIL**  
1 : 50



**SUBSURFACE DRAINAGE TAILOUT DETAIL**  
1 : 25



**SECTION 1**  
NTS



**SECTION 2**  
NTS

SCOUR PROTECTION SCHEDULE					
OUTLET HEADWALL No.	PIPE Ø (mm)	LENGTH OF PROTECTION (m)	WIDTH OF PROTECTION (m)	NOMINAL ROCK SIZE (mm)	THICKNESS OF PROTECTION (mm)
	'D'	'L'	'W'	'd50'	'T'
AA-13	2 x 1050	6.5	7.5	300	450
BE-1	225	6	3.6	300	450

- NOTE:
- MINIMUM NOMINAL ROCK SIZE 'd50' IS 300mm.
  - THICKNESS 'T' IS 1.5 x NOMINAL ROCK SIZE
  - ROCK IS NOT TO BE SITE WON SHALE OR OTHER WEATHERABLE ROCK

ROCK GRADATION TABLE						
ROCK SIZE (mm)	d50					ROCK DISTRIBUTION BY %
	200mm	300mm	400mm	500mm	600mm	
400	600	750	850	900		15-25%
300	400	525	600	750		20%
200	300	400	500	600		50%
75	100	150	150	200		15-25%

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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

Client



Scales	Drawn	LM
AS SHOWN	Designed	LM
Grid MGA2020	Checked	AT
Height Datum AHD	Approved	

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

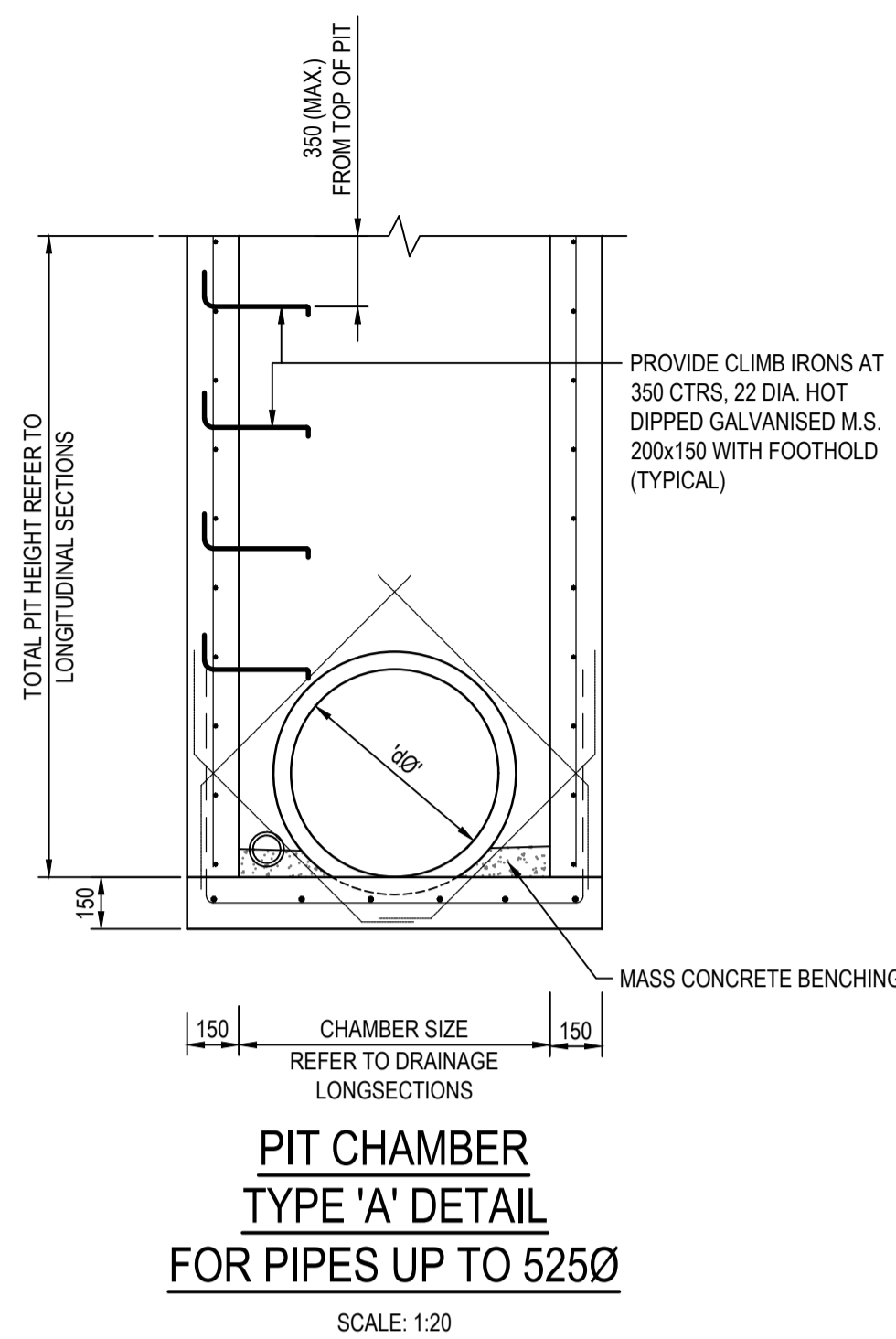
Title **STORMWATER DRAINAGE DETAILS SHEET 1**

Civil Engineers and Project Managers

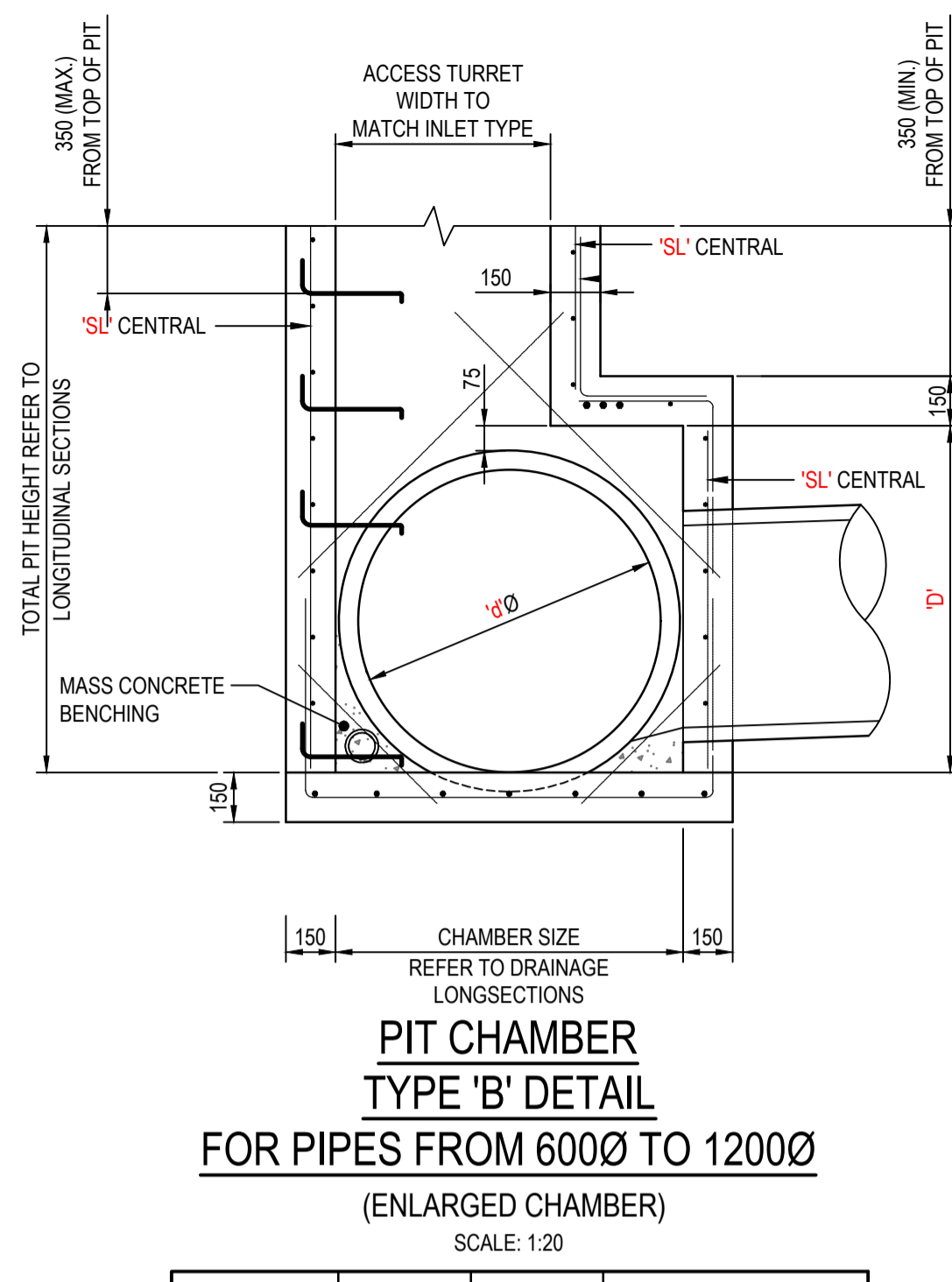
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status <b>FOR APPROVAL</b> <b>NOT TO BE USED FOR CONSTRUCTION</b>	<b>A1</b>
Project - Drawing No. <b>20-748-C11091</b>	Issue <b>5</b>





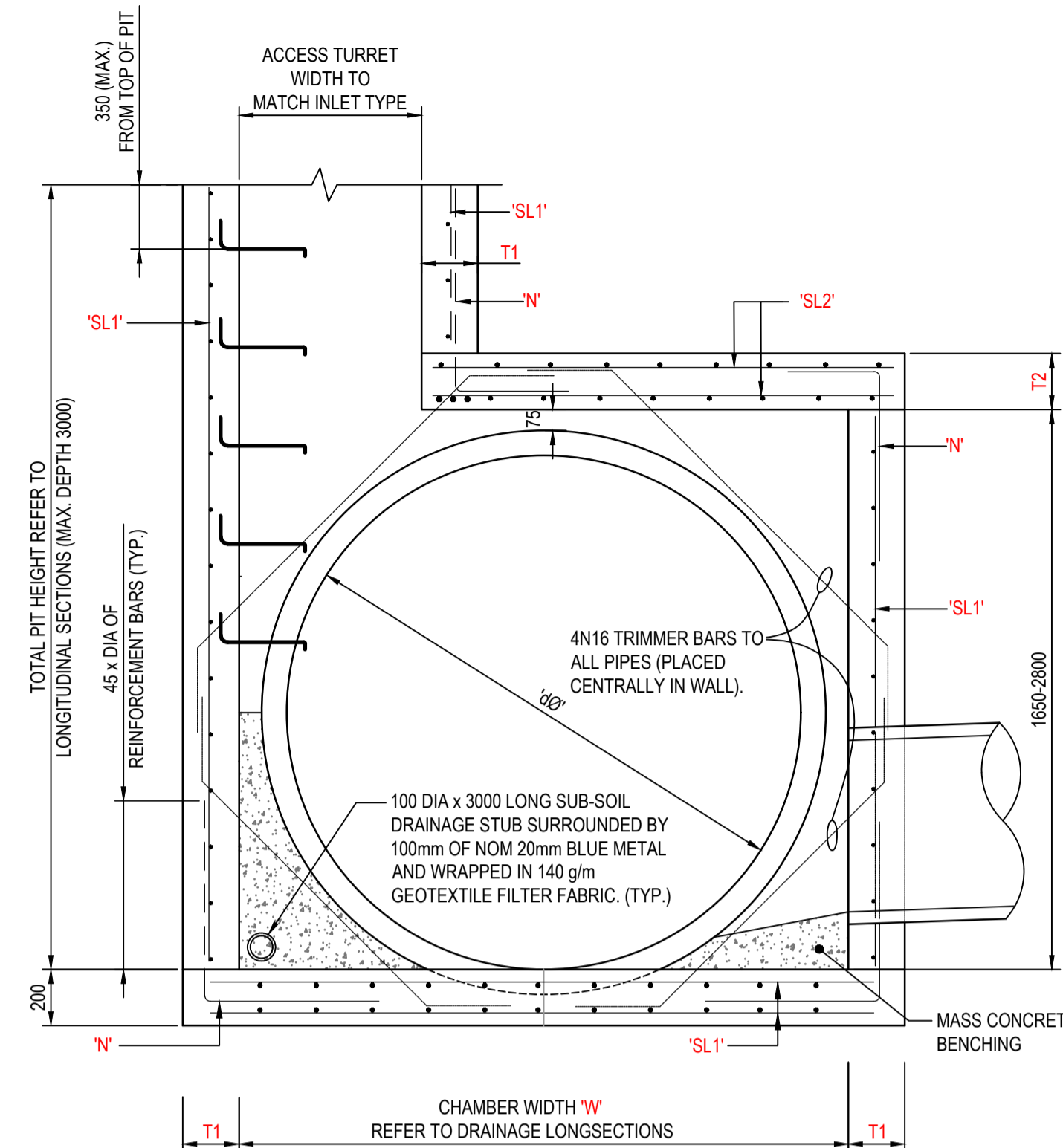
**PIT CHAMBER TYPE 'A' DETAIL**  
FOR PIPES UP TO 525Ø  
SCALE: 1:20



**PIT CHAMBER TYPE 'B' DETAIL**  
FOR PIPES FROM 600Ø TO 1200Ø  
(ENLARGED CHAMBER)  
SCALE: 1:20

PIPE DIA. 'Ø'	WIDTH 'W'	DEPTH 'D'	FABRIC/COV 'SL'
600 to 675	900	1200-2400	
750	1000	1200-2400	REINFORCEMENT TO BE CONFIRMED BY CONTRACTOR AND STRUCTURAL ENGINEER
825	1150	1200-2400	
900	1200	1200-2400	
1050	1350	1300-2400	
1200	1500	1500-2800	

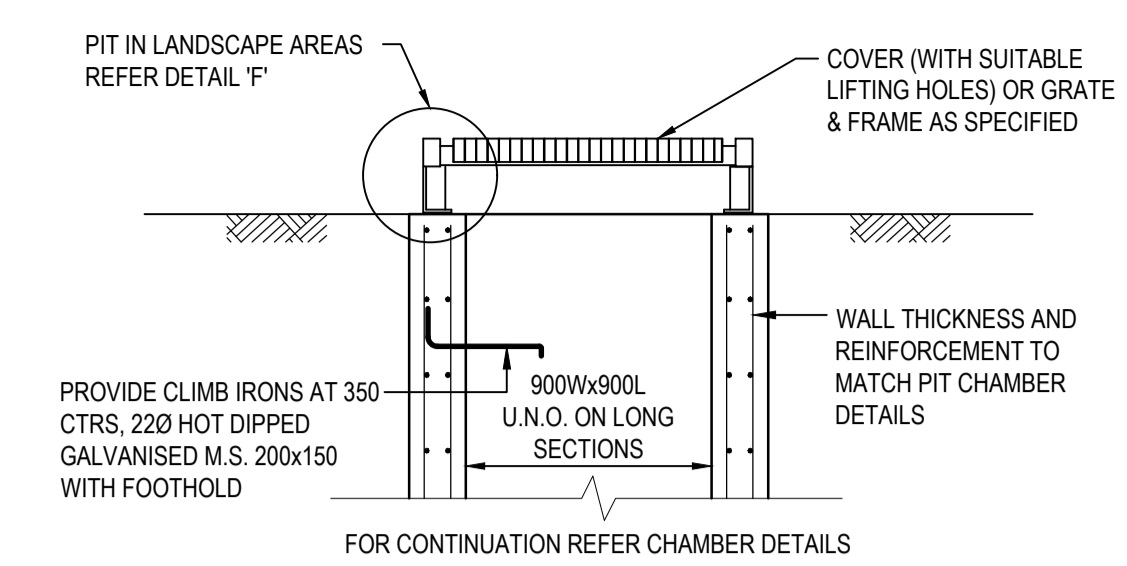
CHAMBER DEPTH EXCEEDING 2m IN HEIGHT WILL BE DESIGNED AND APPROVED BY STRUCTURAL ENGINEER



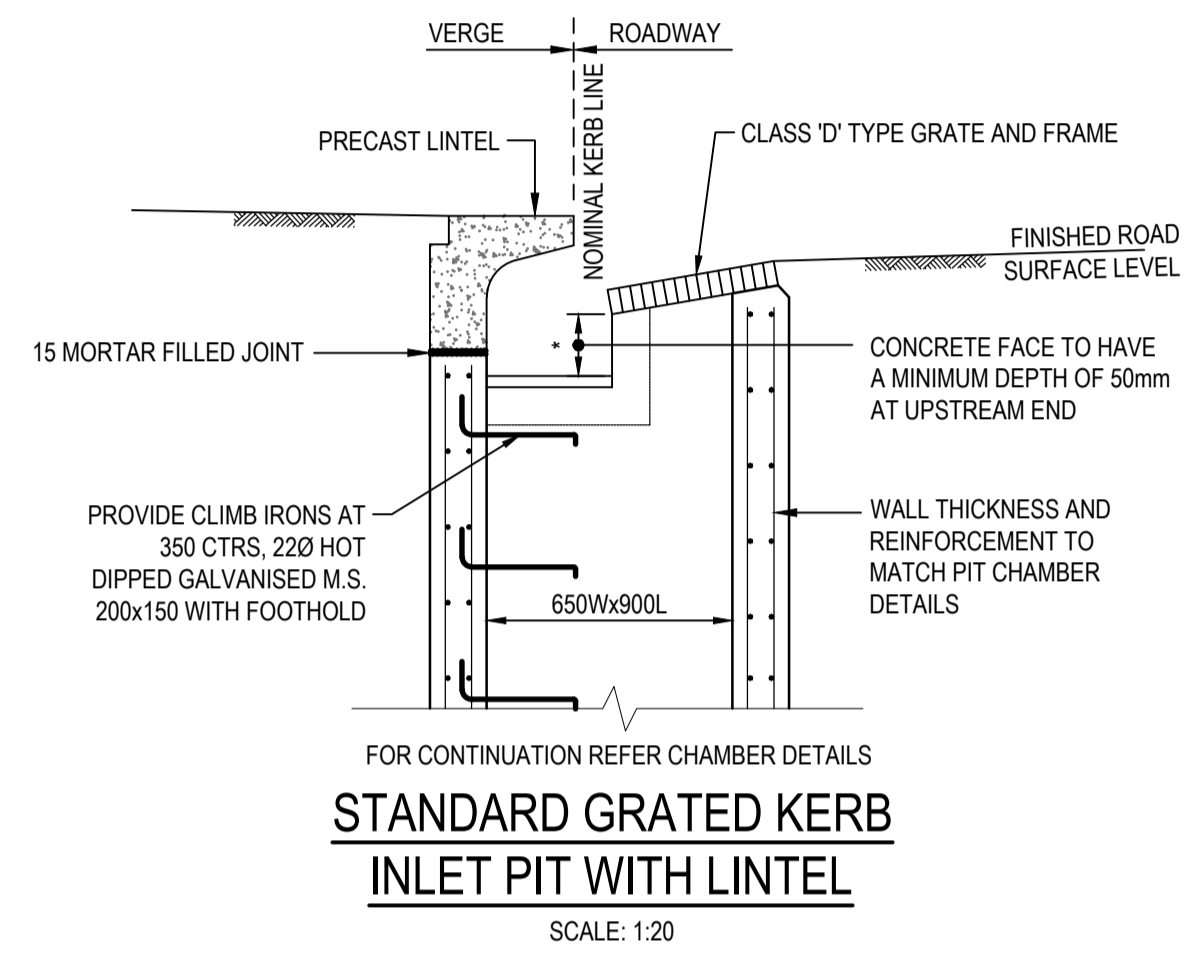
**PIT CHAMBER TYPE 'C' DETAIL**  
FOR PIPES FROM 1350Ø TO 2250Ø  
(ENLARGED CHAMBER)  
SCALE: 1:20

MAX. INNER WIDTH IN PLAN 'W' (mm)	WALL THICKNESS		FABRIC / R.C. BARS		LAP BAR 'N'
	'T1' (mm)	'T2' (mm)	'SL1'	'SL2'	
1400	125	200			
1800	160	200			
2250	200	235			
2450	200	250			

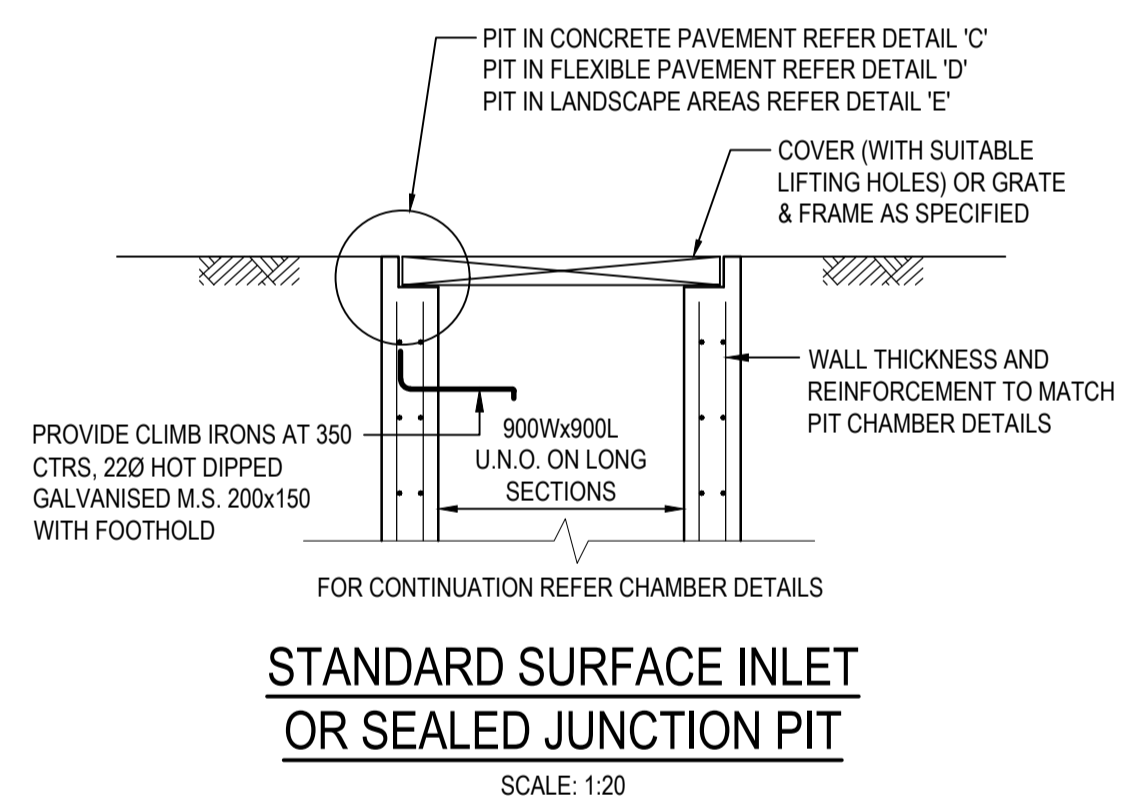
CHAMBER DEPTH EXCEEDING 2m IN HEIGHT WILL BE DESIGNED AND APPROVED BY STRUCTURAL ENGINEER  
NOTE: STRUCTURAL DETAIL OF PITS TO BE CONFIRMED AT DETAILED DESIGN



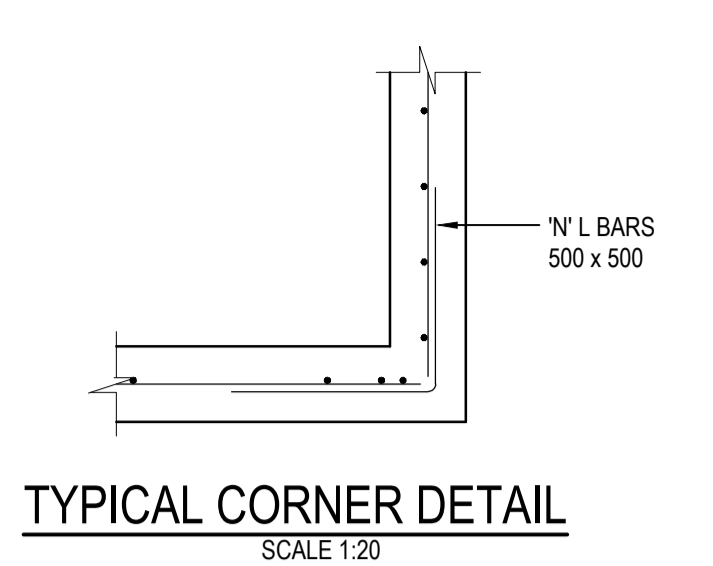
**STANDARD SURCHARGE SURFACE INLET PIT**  
SCALE: 1:20



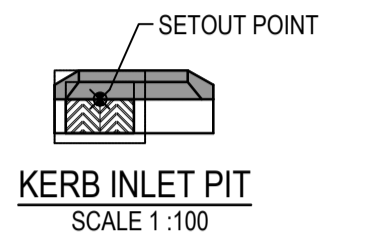
**STANDARD GRATED KERB INLET PIT WITH LINTEL**  
SCALE: 1:20



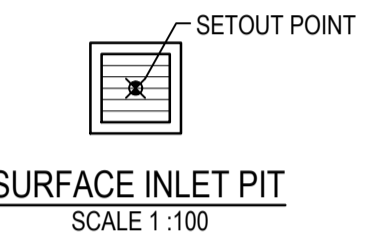
**STANDARD SURFACE INLET OR SEALED JUNCTION PIT**  
SCALE: 1:20



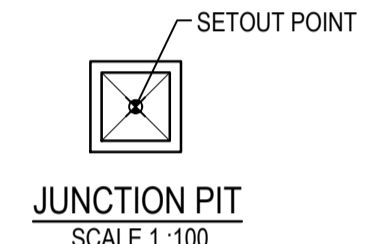
**TYPICAL CORNER DETAIL**  
SCALE 1:20



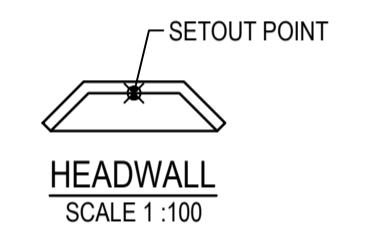
**KERB INLET PIT**  
SCALE 1:100



**SURFACE INLET PIT**  
SCALE 1:100



**JUNCTION PIT**  
SCALE 1:100

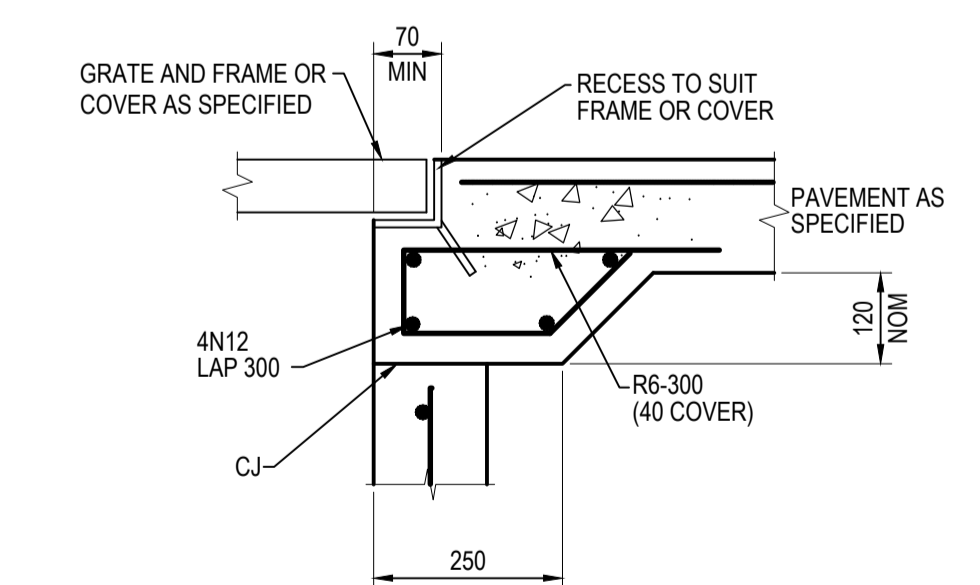


**HEADWALL**  
SCALE 1:100

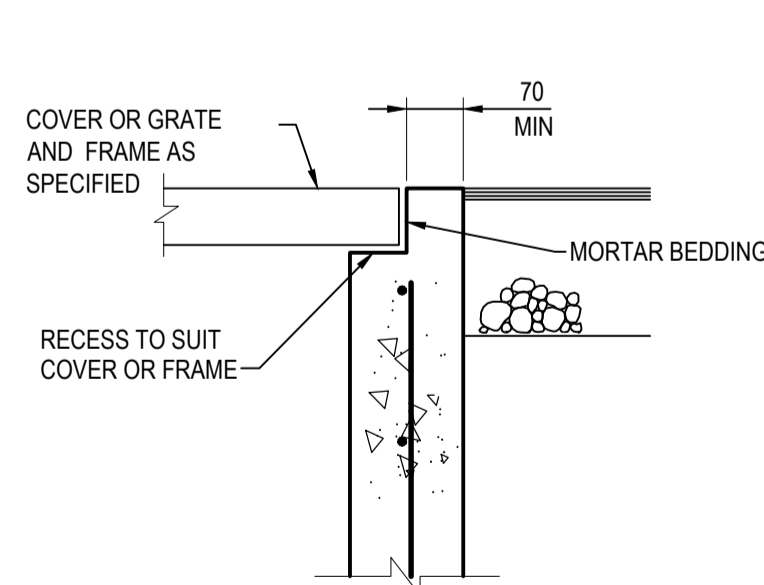
**STORMWATER PIT SETOUT POINTS**  
REFER PIT SETOUT PLANS FOR ENLARGED CHAMBERS

**NOTE**

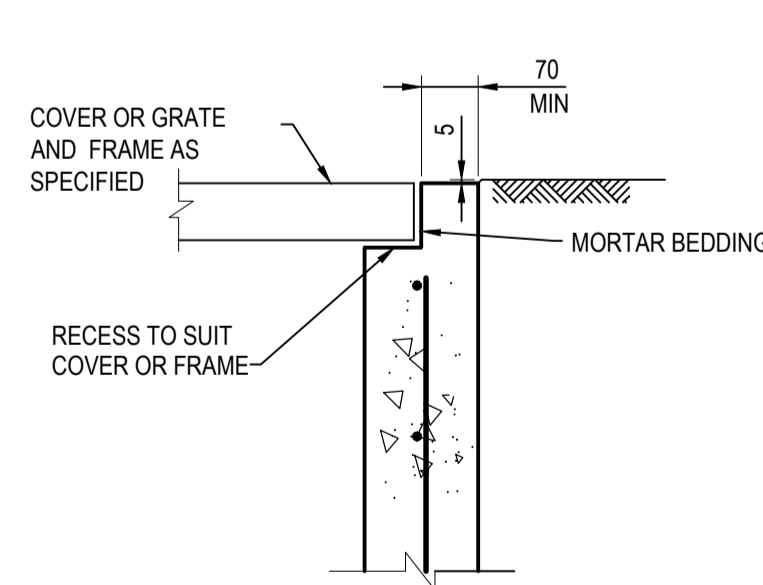
- STANDARD SURCHARGE PITS REFER TO PENRITH CITY COUNCIL STANDARD DRAWING SD2001 FOR DETAILS
- FOR INLET SIZE REFER TO STORMWATER LONGITUDINAL SECTIONS ON DRAWING C13101 - C13106.
- FOR PIT CHAMBER SIZE REFER TO PIT SCHEDULE.
- REINFORCING MESH IS TO BE BENT TO LAP 300 AROUND ALL CORNERS. VERTICAL BARS ARE NOT TO BE CUT. ALTERNATELY PROVIDE N12 'L' BARS (500x500) AT 400 VERTICAL CTS.
- COMPRESSIVE STRENGTH (F<sub>o</sub>) FOR CAST IN SITU CONCRETE SHALL BE CONFIRMED BY CONTRACTOR AND STRUCTURAL ENGINEER
- TOP OF BENCHING SHALL BE 1/2 OF OUTLET PIPE DIAMETER.
- 100mm SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO ALL INLET PIPES.
- ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP.
- PIT GRATE TO BE 'WELDLOK' GULLY GRATE GG 78-50 OR APPROVED EQUIVALENT.
- DURING INSTALLATION OF GRATE AND FRAME CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
- PROVIDE STEP IRONS AS INDICATED FOR PITS DEEPER THAN 1200.
- CHAMBER DEPTH EXCEEDING 2m IN HEIGHT WILL BE DESIGNED AND APPROVED BY STRUCTURAL ENGINEER



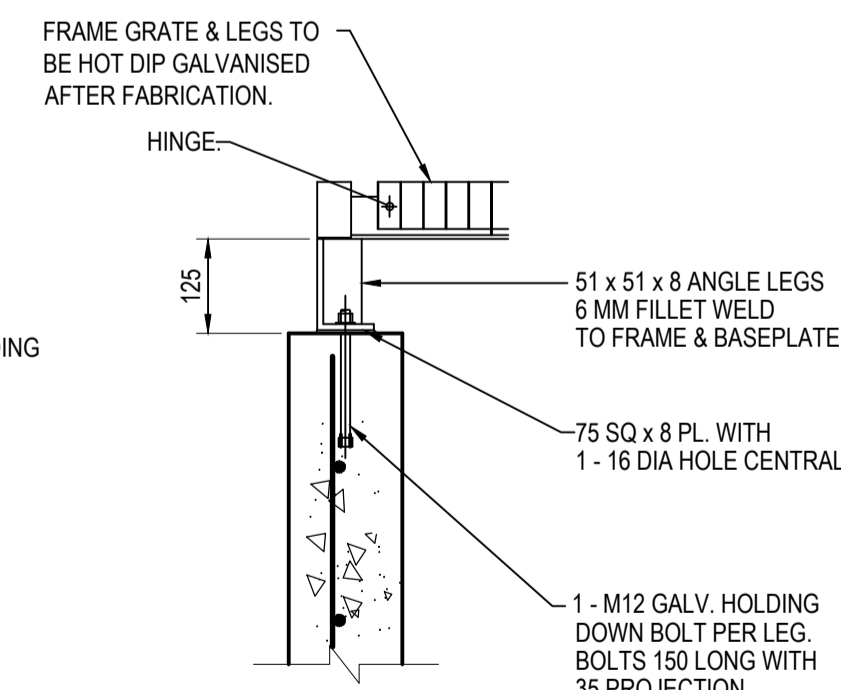
**DETAIL 'C'**  
SCALE 1:10



**DETAIL 'D'**  
SCALE 1:10



**DETAIL 'E'**  
SCALE 1:10



**DETAIL 'F'**  
SCALE 1:10

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales	
0 100 200 400 600 800 1000mm	1:10 @ A1 1:20 @ A3
0 500 1000 1500 2000mm	1:20 @ A1 1:40 @ A3
0 2 4 6 8 10m	1:100 @ A1 1:200 @ A3

Client

Scales AS SHOWN

Drawn	LM
Designed	LM
Grid	MGA2020
Checked	AT
Height Datum	AHD
Approved	

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **STORMWATER DRAINAGE DETAILS SHEET 2**

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

Status **FOR APPROVAL**  
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Project - Drawing No. **20-748-C11092**

Issue **5**

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **STORMWATER DRAINAGE DETAILS SHEET 2**

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

Project - Drawing No. **20-748-C11092**

Issue **5**

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ABN 96 130 882 405  
Tel: 02 9439 1777  
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www.atl.net.au  
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Scale **AS SHOWN**

Grid **MGA2020**

Height Datum **AHD**

Drawn **LM**

Designed **LM**

Checked **AT**

Approved

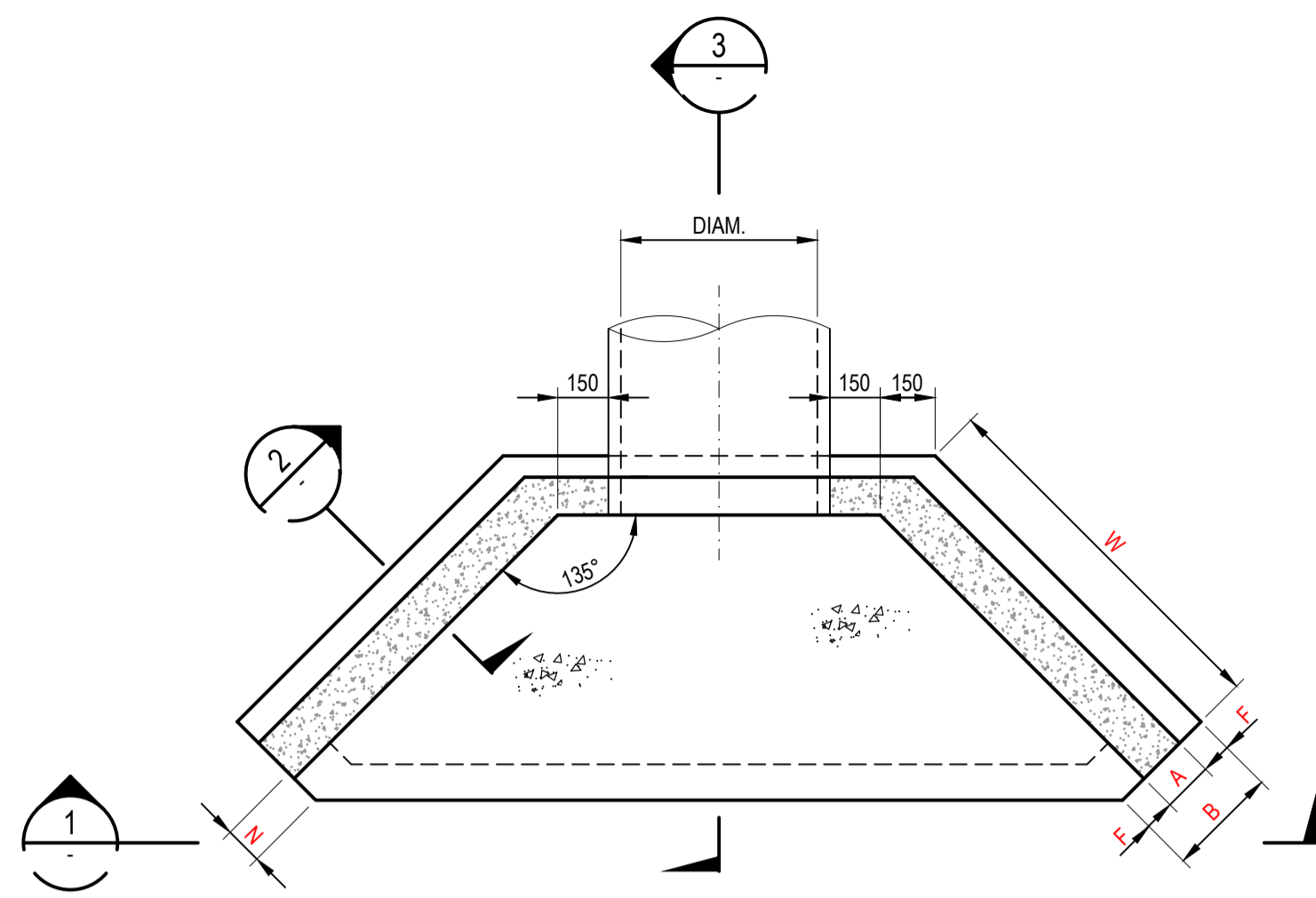
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **STORMWATER DRAINAGE DETAILS SHEET 2**

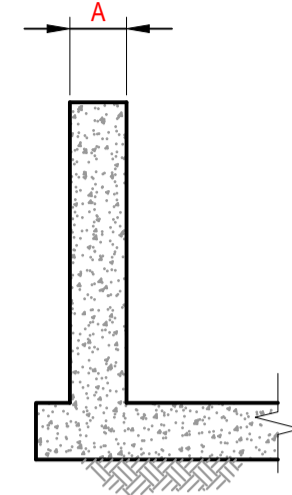
Status **FOR APPROVAL**  
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Project - Drawing No. **20-748-C11092**

Issue **5**



HEADWALL TYPE "A"  
PLAN

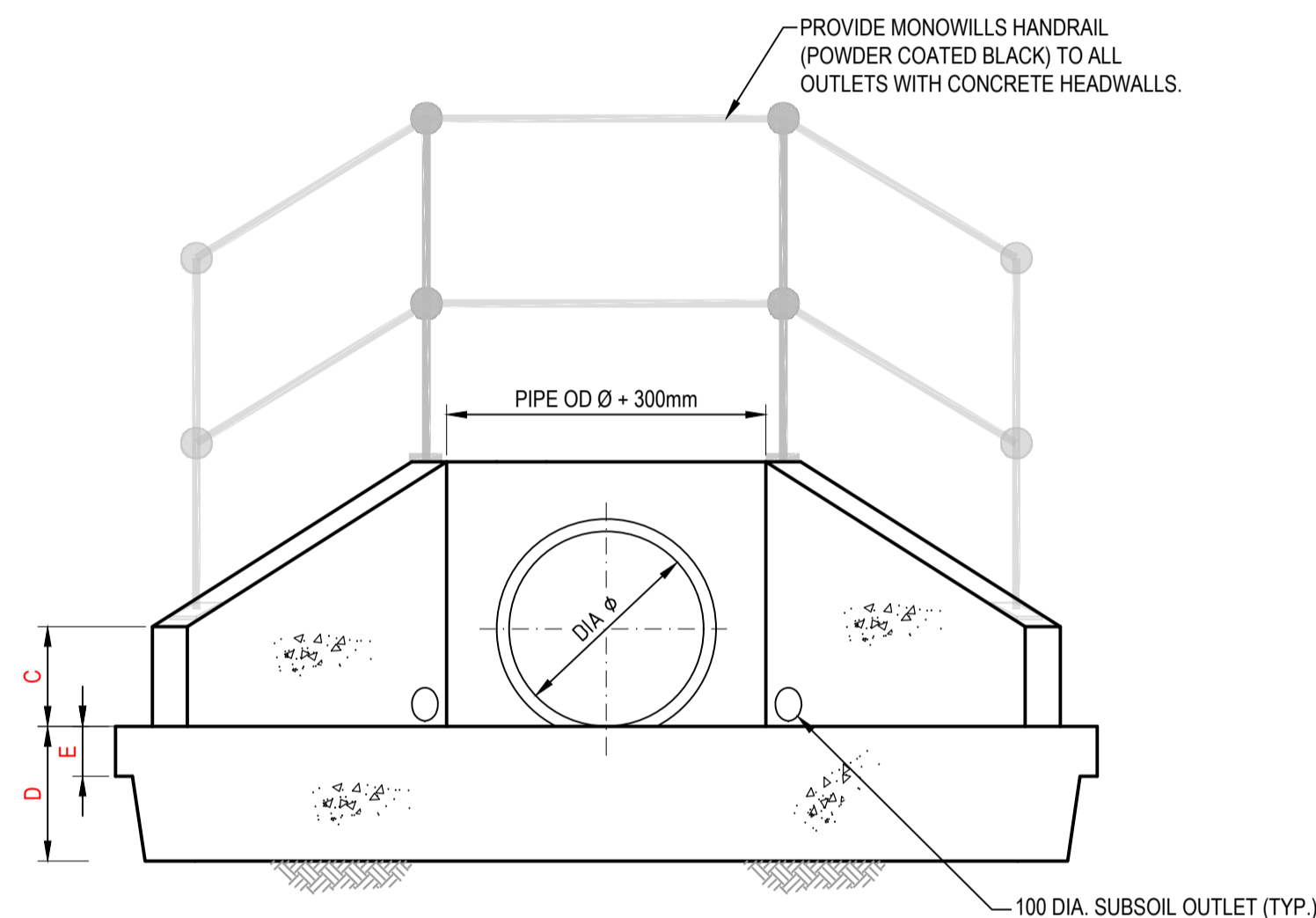


SECTION 2  
SCALE 1 : 20

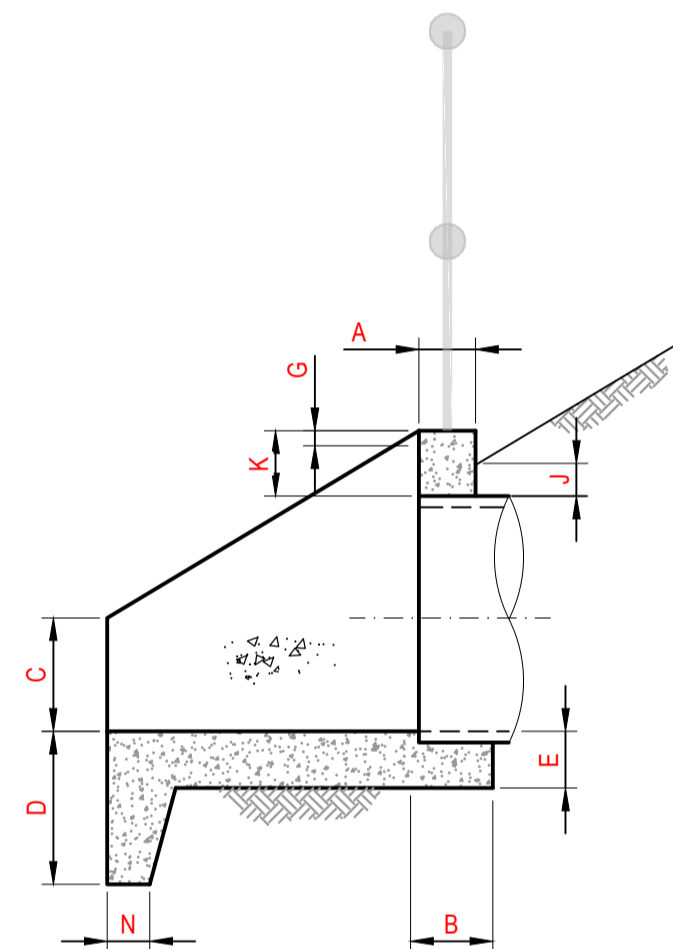
HEADWALL TYPE "A" - SINGLE PIPE															
PIPE DIAMETER	225-300	0	75	150	225	300	375	450	525	675	825	975	1125	1275	1425
A	150	150	150	175	175	175	200	200	225	225	225	250	250	250	250
B	300	300	300	375	375	375	450	450	525	525	525	550	550	550	550
C	300	300	300	300	350	350	350	350	350	350	350	350	350	350	350
D	375	375	375	375	530	530	530	530	530	530	530	530	530	530	530
E	150	150	150	150	175	175	200	200	225	225	225	225	225	225	225
F	75	75	75	100	100	100	125	125	150	150	150	150	150	150	150
G	40	40	40	40	50	50	50	50	50	50	50	50	50	50	50
J	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
K	200	200	200	200	300	300	300	300	300	300	300	300	300	300	300
N	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
W	700	700	850	1000	1100	1300	1450	1600	1750	1950	2200	2500	2700	2800	2900

NOTES

1. COMPRESSIVE STRENGTH (F<sub>c</sub>) FOR CAST-IN-SITU CONCRETE TO BE A MINIMUM OF 32MPa AT 28 DAYS.
2. 25mm CHAMFER ON ALL EXPOSED SURFACES.
3. CONTRACTOR TO DESIGN AND PROVIDE STRUCTURAL CERTIFICATE FOR ALL PITS / END STRUCTURES UNLESS ADAPTING PENRITH CITY COUNCIL STANDARD DETAILS WHERE APPLICABLE.
4. ANTI GRAFFITI PAINT TO BE APPLIED TO FACE OF ALL HEADWALLS.
5. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF BASE SLAB DESIGN.

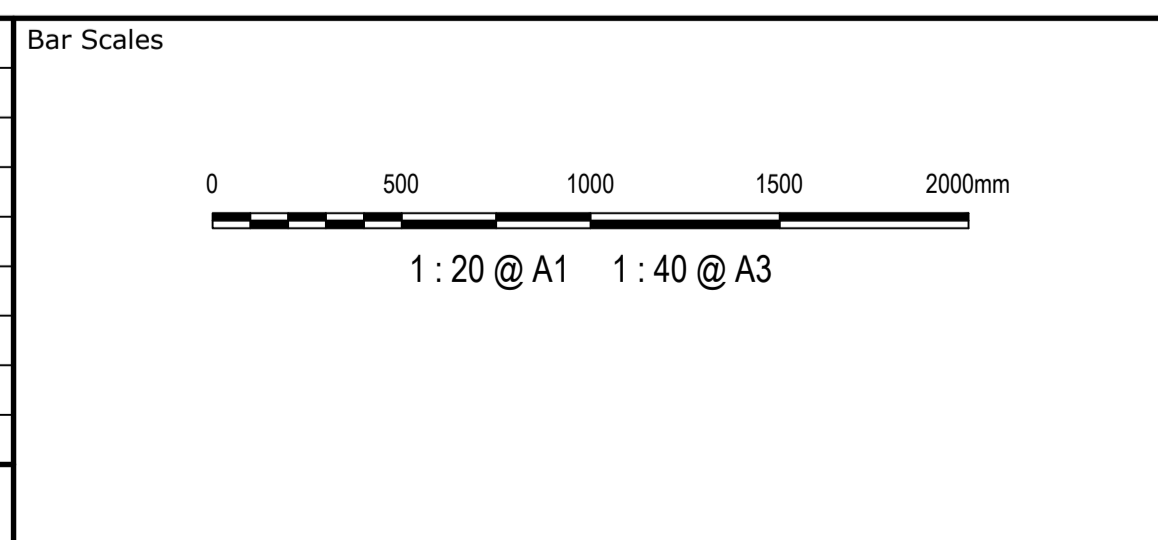


SECTION 1  
SCALE 1 : 20



SECTION 3  
SCALE 1 : 20

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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1	ISSUED FOR CLIENT REVIEW	23-06-23



Client	Drawn	LM
ESR	Designed	LM
	Checked	AT
	Approved	

Scales	Grid	Height Datum
AS SHOWN	MGA2020	AHD

GDA2020

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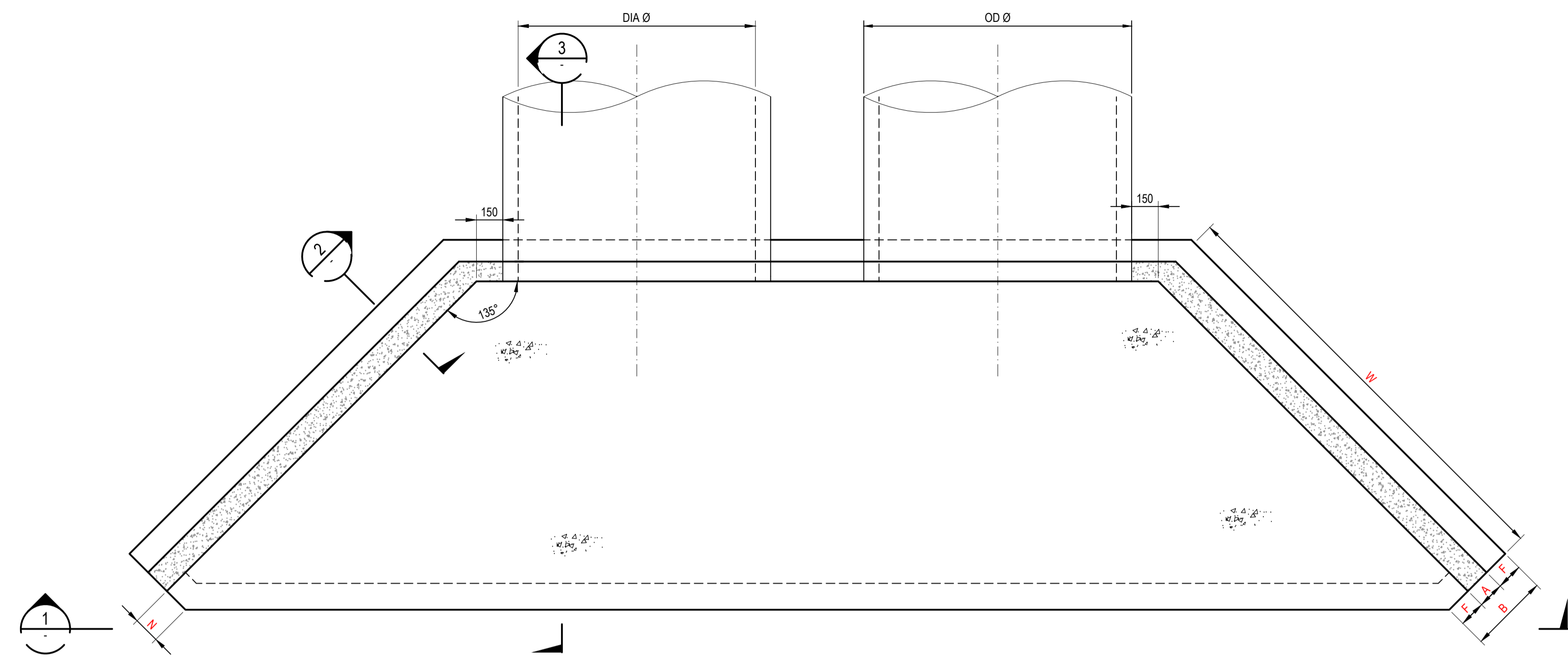
Project	Title
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	STORMWATER DRAINAGE DETAILS SHEET 3

Civil Engineers and Project Managers	
<p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>	
Status	FOR APPROVAL
Project - Drawing No.	20-748-C11093
Issue	5

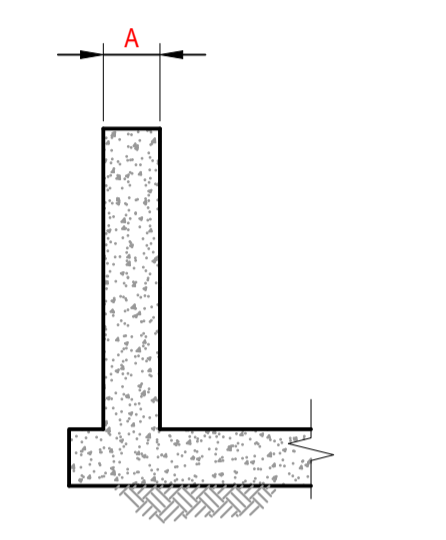
HEADWALL TYPE "B" - TWIN PIPE	
PIPE DIAMETER	1050
A	225
B	525
C	350
D	530
E	225
F	150
G	50
J	100
K	300
N	150
W	1950

**NOTES**

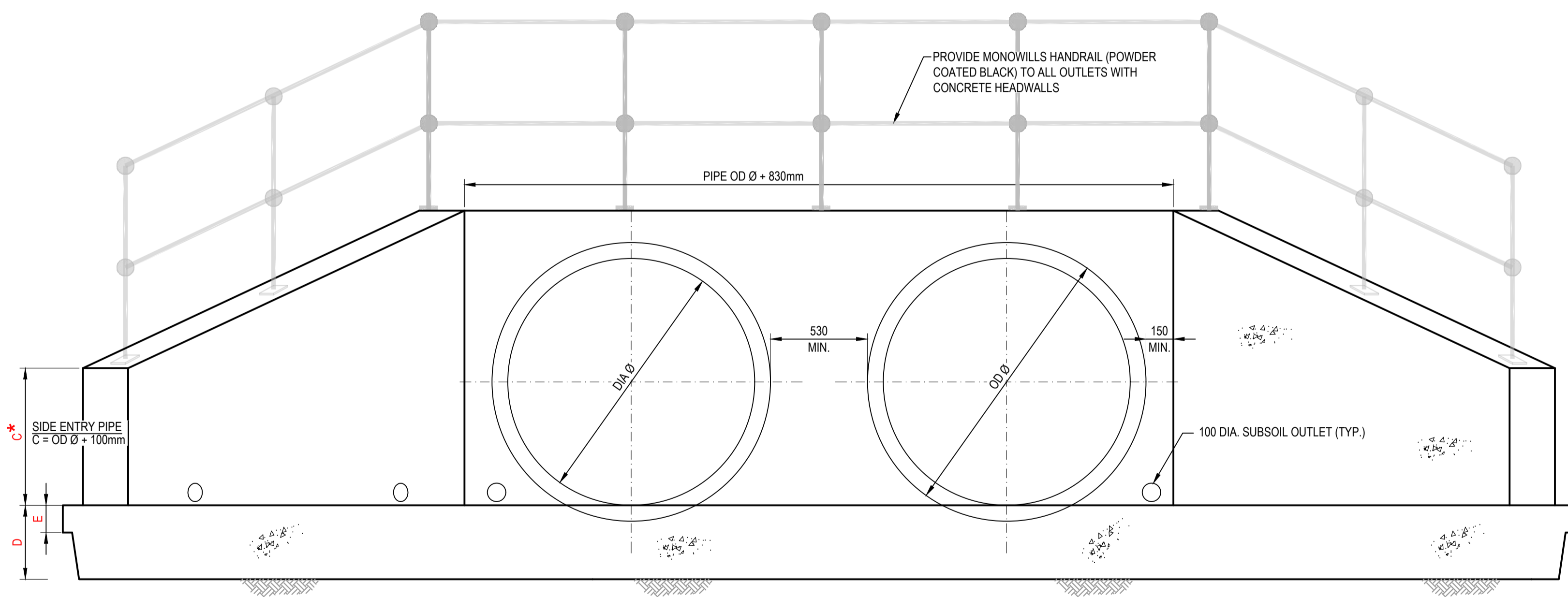
1. COMPRESSIVE STRENGTH (F<sub>c</sub>) FOR CAST-IN-SITU CONCRETE TO BE A MINIMUM OF 32MPa AT 28 DAYS.
2. 25mm CHAMFER ON ALL EXPOSED SURFACES.
3. CONTRACTOR TO DESIGN AND PROVIDE STRUCTURAL CERTIFICATE FOR ALL PITS / END STRUCTURES UNLESS ADAPTING PENRITH CITY COUNCIL STANDARD DETAILS WHERE APPLICABLE.
4. ANTI GRAFFITI PAINT TO BE APPLIED TO FACE OF ALL HEADWALLS
5. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF BASE SLAB DESIGN.



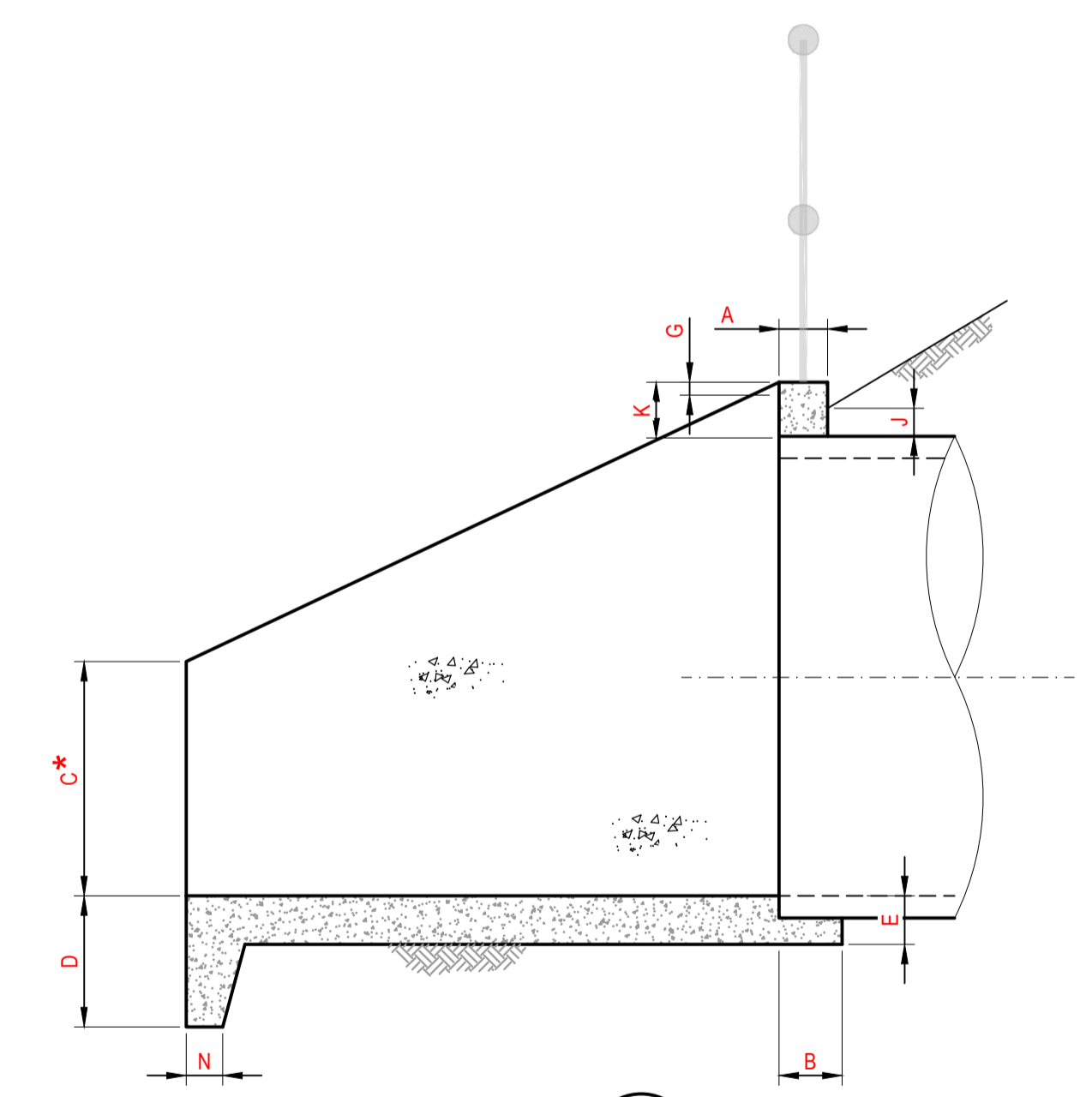
**HEADWALL TYPE "B" - DUAL (525Ø TO 1050Ø)**  
**PLAN**



**SECTION 2**  
SCALE 1:20

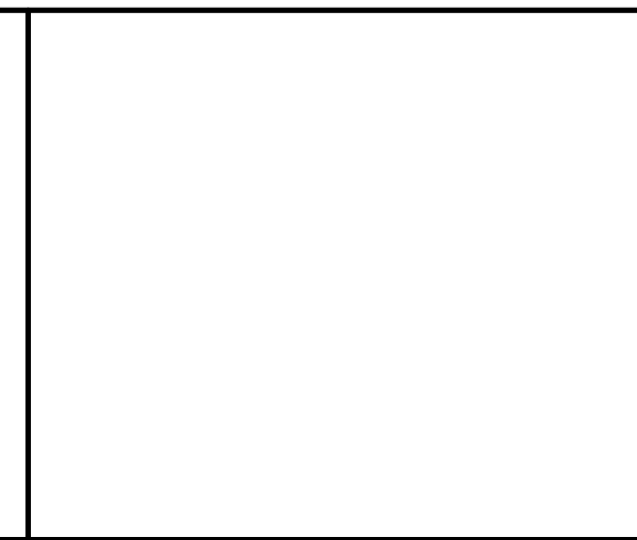
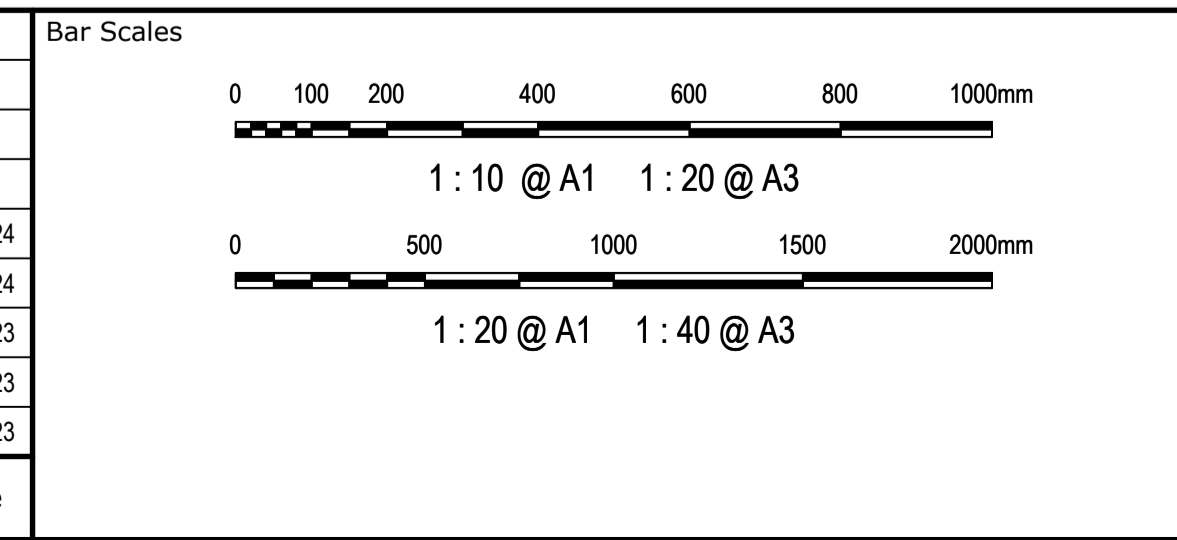


**SECTION 1**  
SCALE 1:20  
**ELEVATION**



**SECTION 3**  
SCALE 1:20

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client	Drawn	LM
ESR	Designed	LM
	Checked	AT
	Approved	

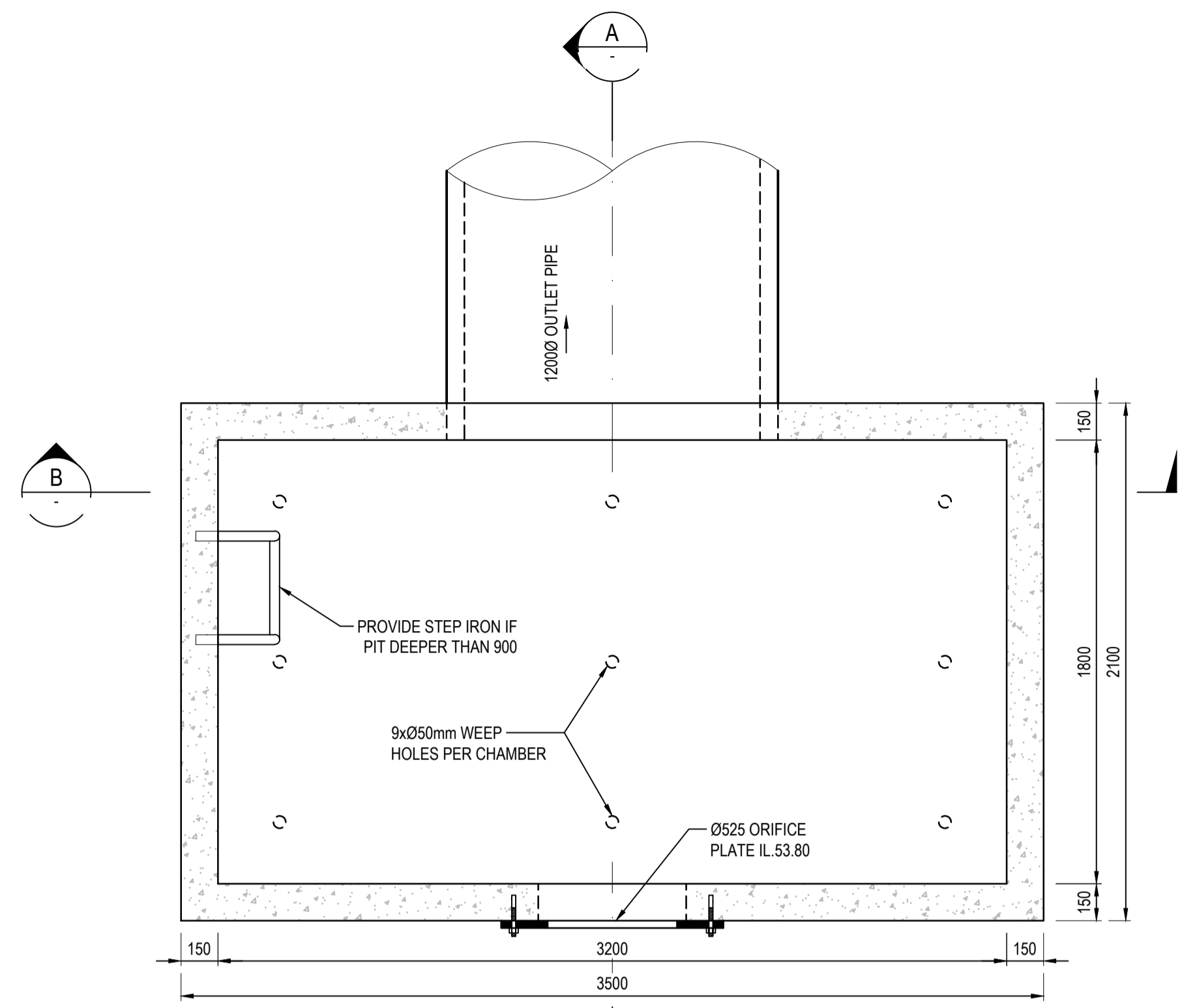
Scales	Grid	Height Datum
AS SHOWN	MGA2020	AHD

GDA2020

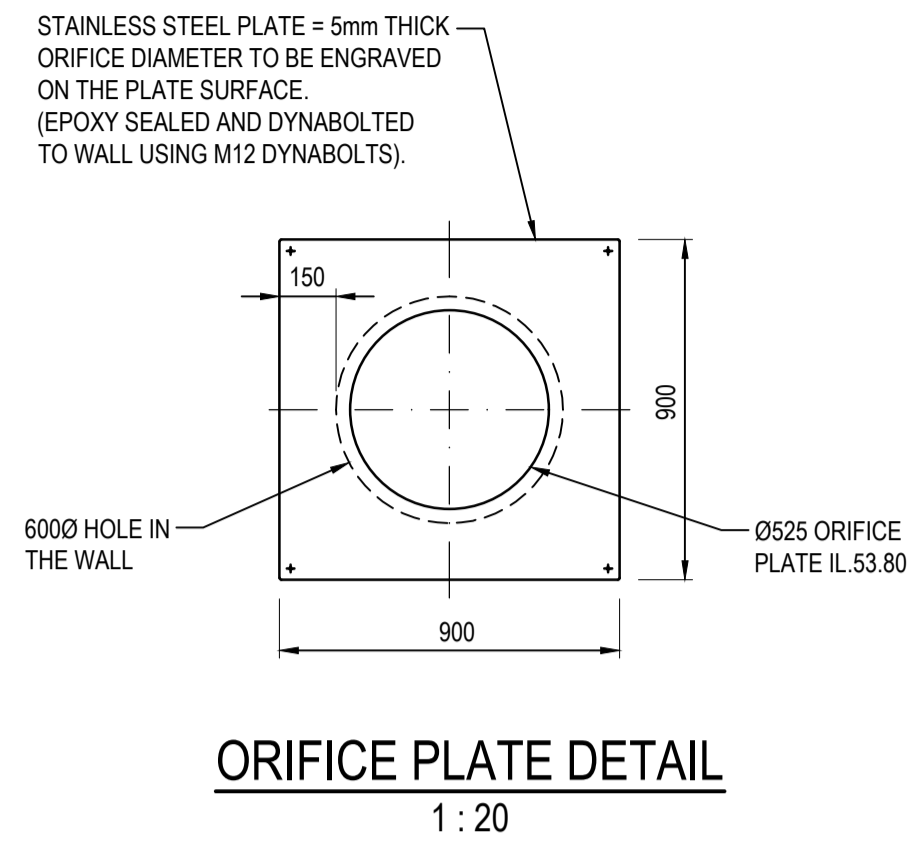
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Project	Title
PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	STORMWATER DRAINAGE DETAILS SHEET 4

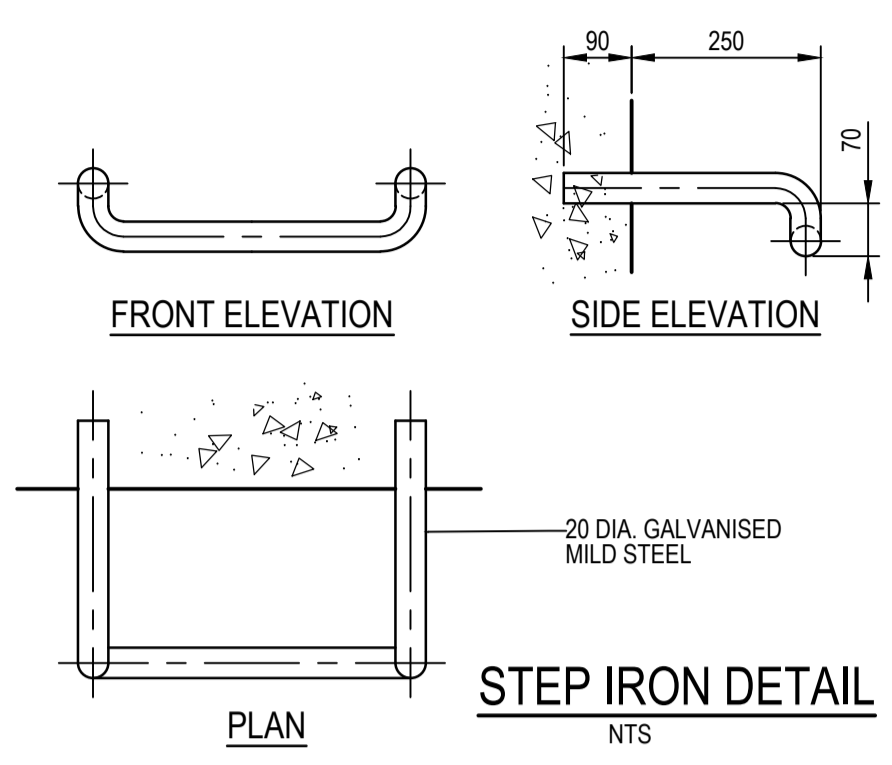
Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL
Project - Drawing No.	20-748-C11094
Issue	5



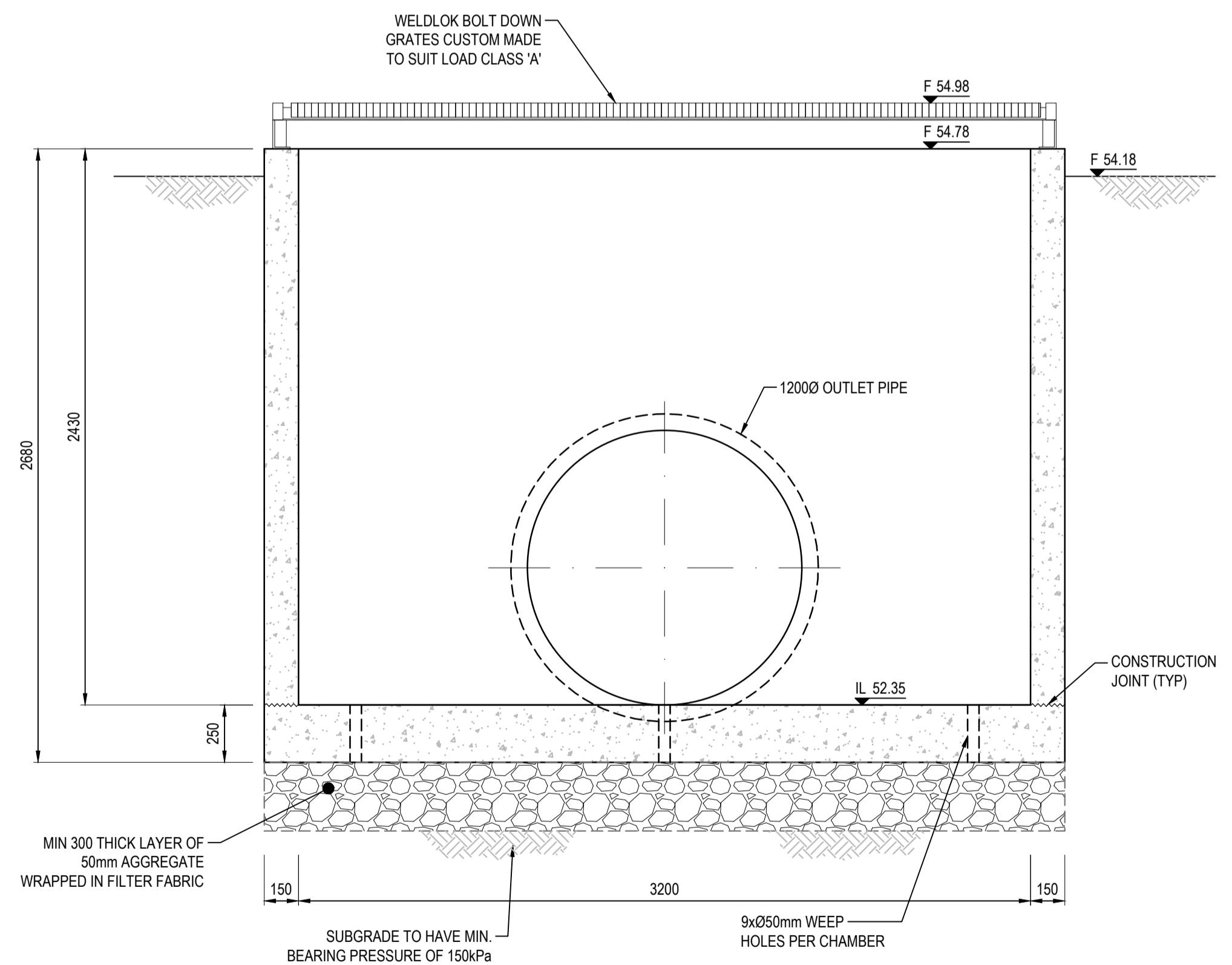
**PLAN-DETENTION CONTROL PIT BB-1**  
1 : 20  
(REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR DETAILS)



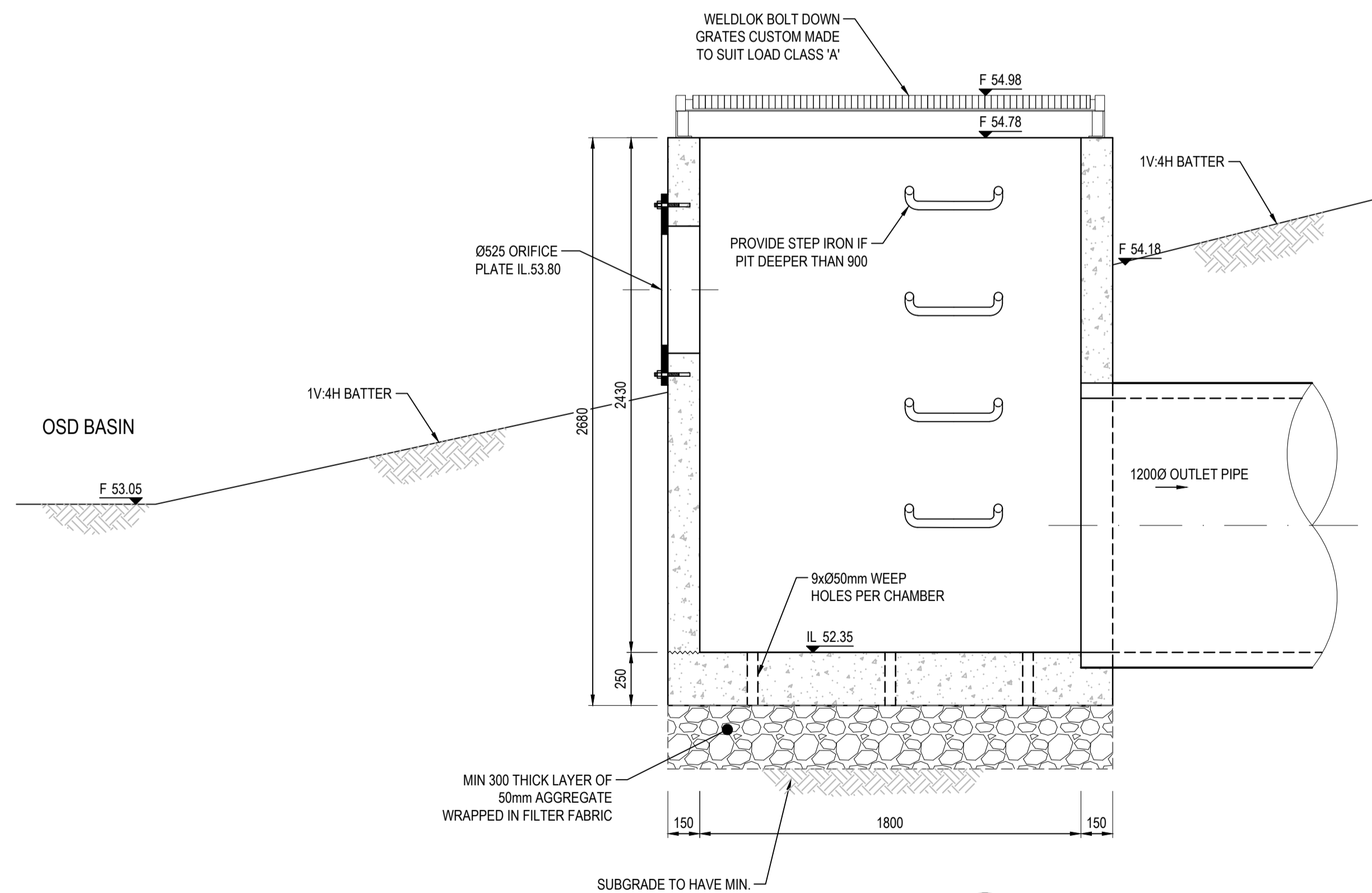
**ORIFICE PLATE DETAIL**  
1 : 20



**STEP IRON DETAIL**  
NTS

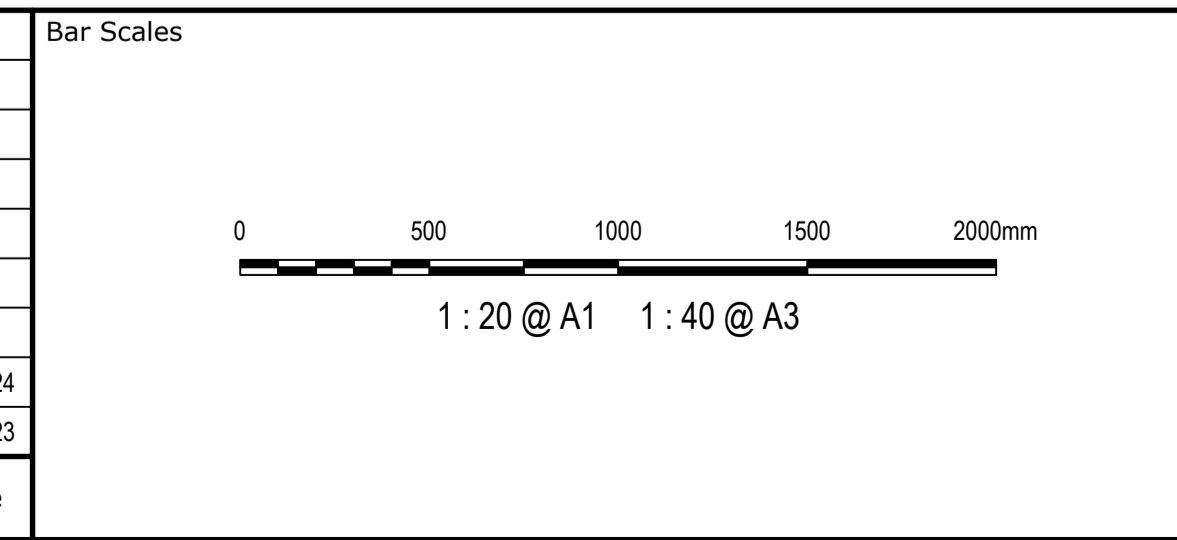


**SECTION B**  
1 : 20



**SECTION A**  
1 : 20

Issue	Description	Date
2	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



Scales	1 : 20	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

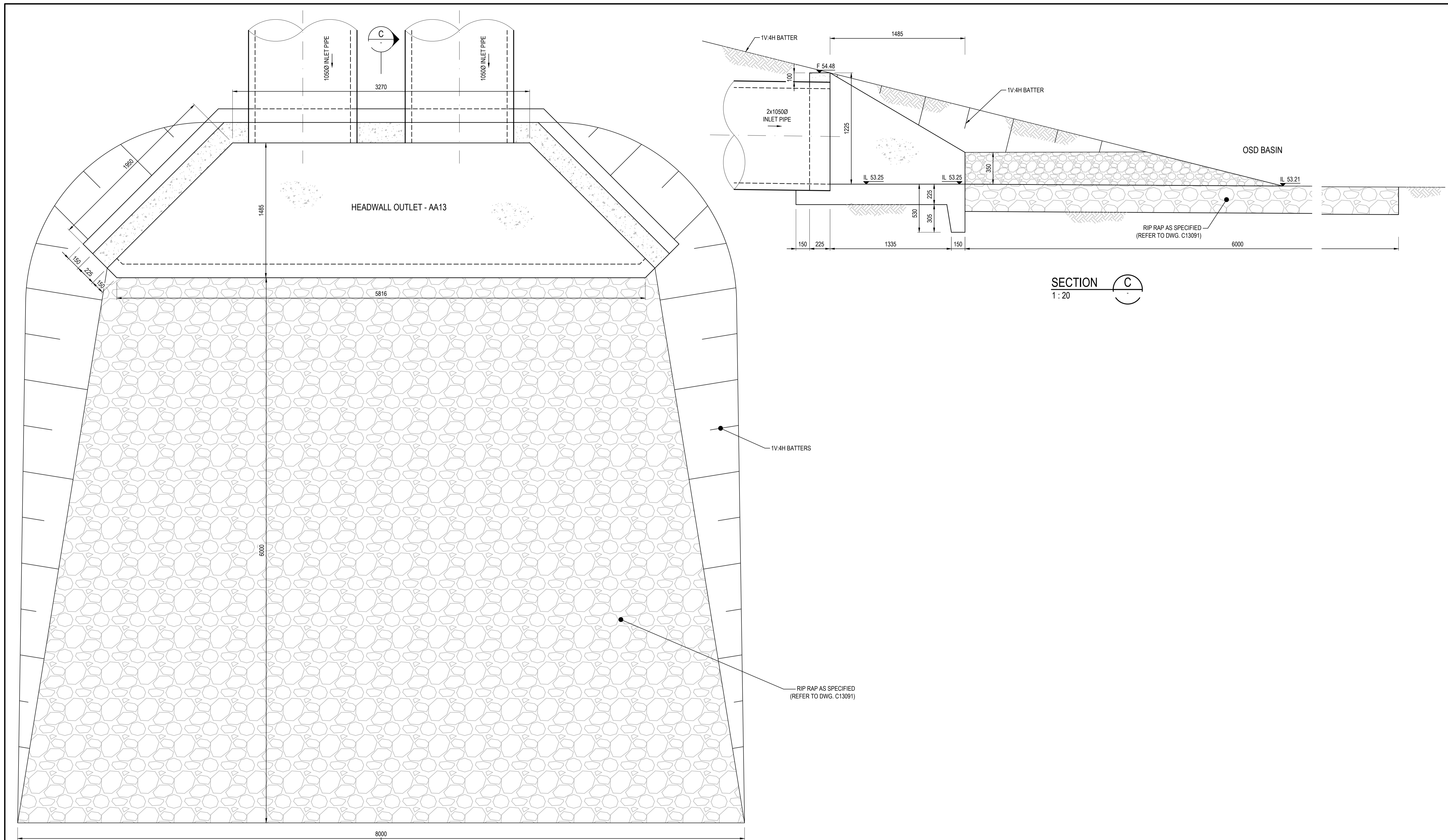
Title **BASIN DETENTION OUTLET PIT DETAILS BB-1**

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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11096	Issue
		2

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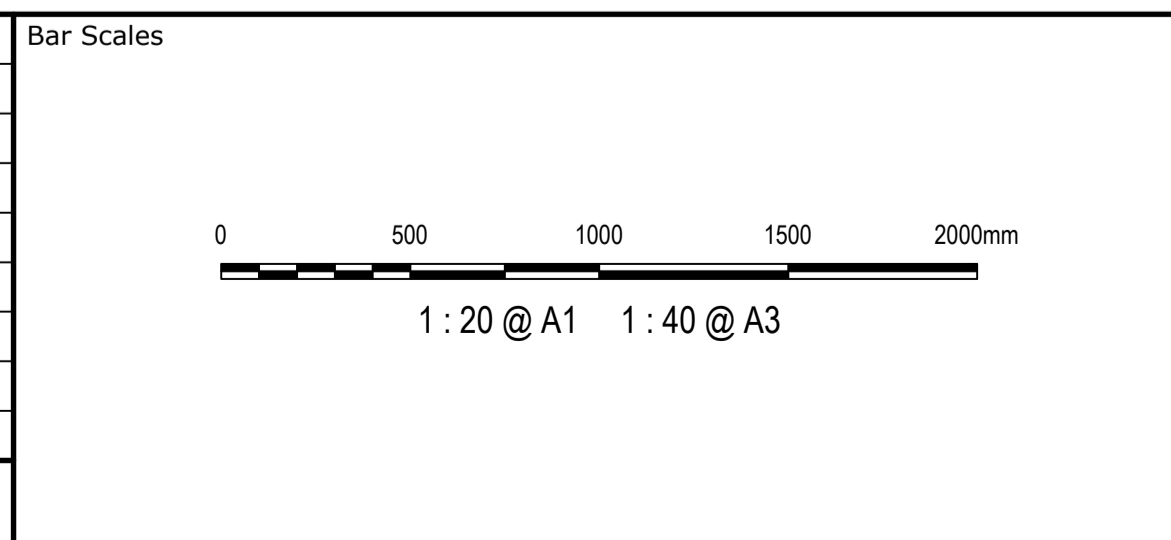


PLAN-BASIN HEADWALL OUTLET - AA13

1 : 20

(REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR SLAB DETAILS)

Issue	Description	Date
2	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



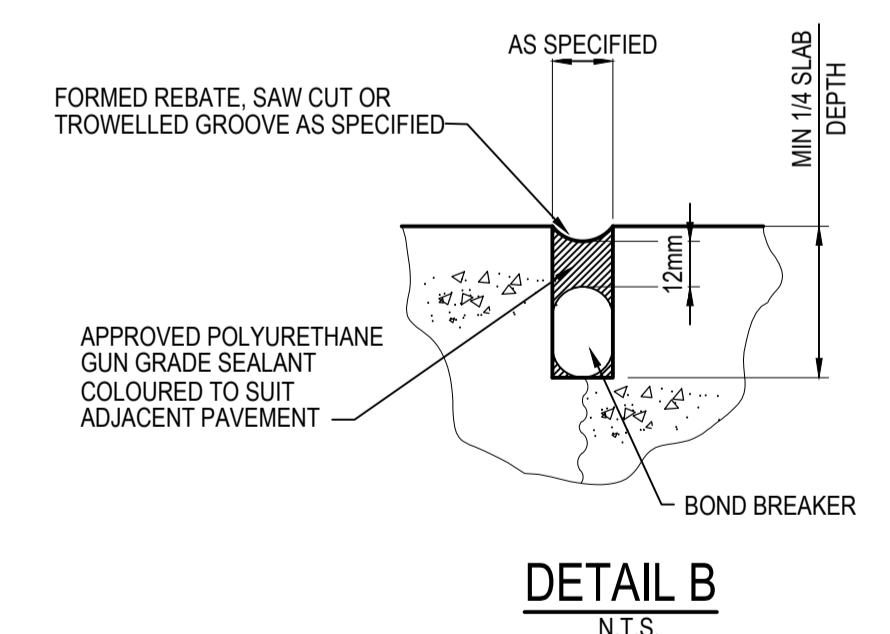
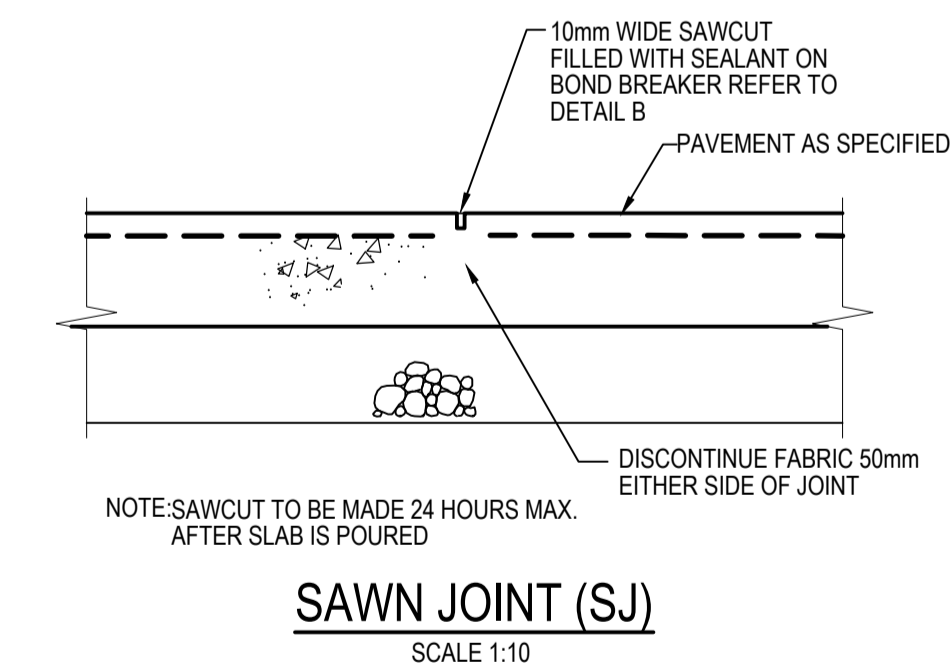
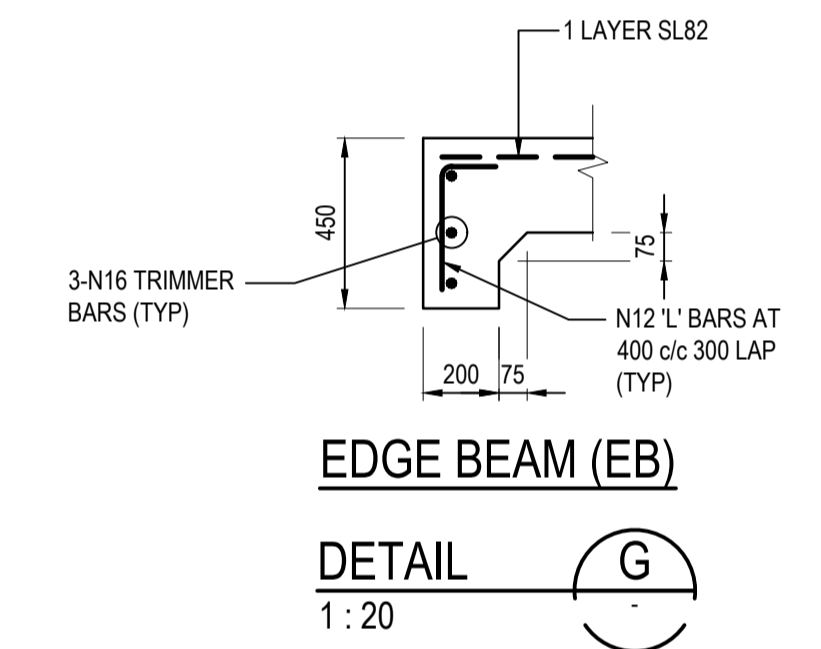
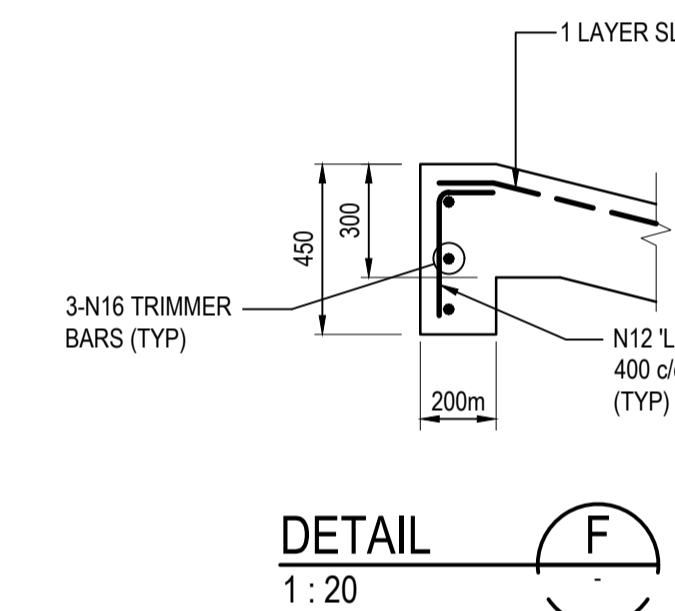
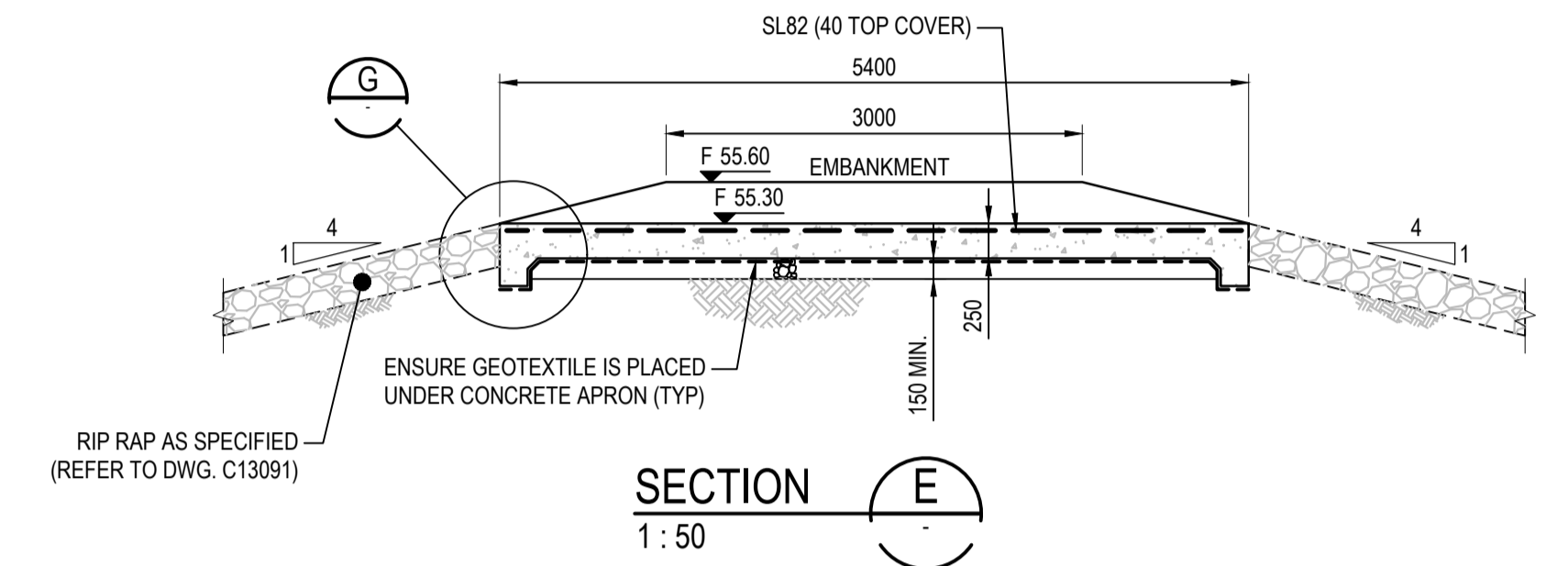
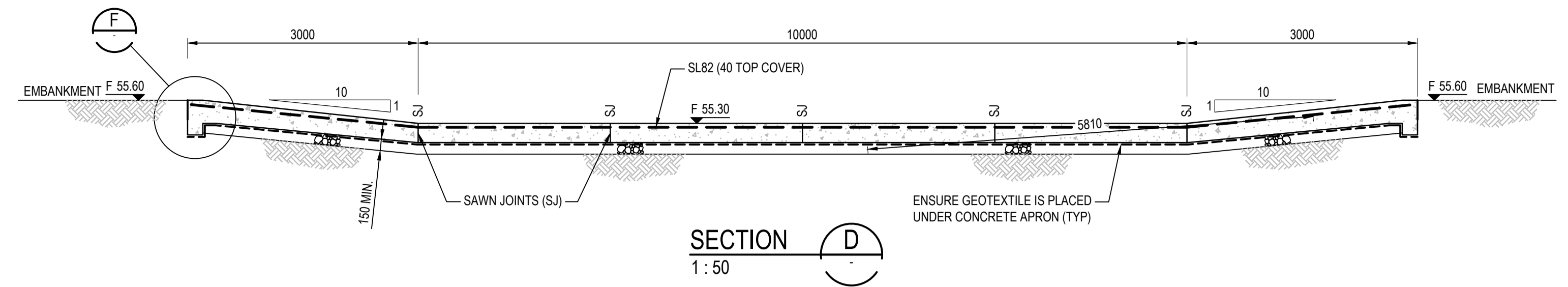
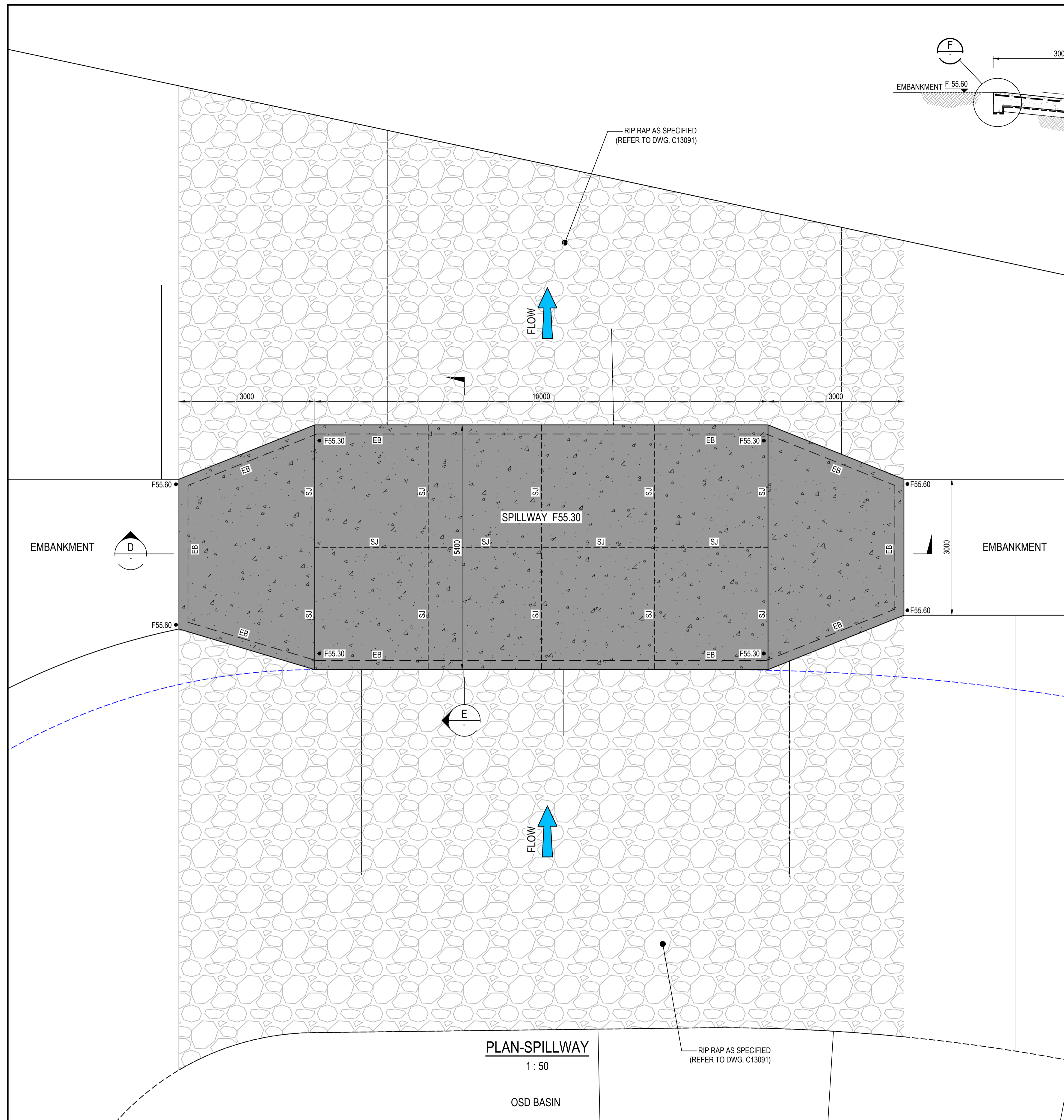
Scale	1 : 20	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	BASIN HEADWALL OUTLET PIT DETAILS AA-13

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.at.net.au info@at.net.au	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	20-748-C11097
Issue	2



Issue	Description	Date
2	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales	
0 100 200 400 600 800 1000mm	1:10 @ A1 1:20 @ A3
0 500 1000 1500 2000mm	1:20 @ A1 1:40 @ A3
0 1 2 3 4 5m	1:50 @ A1 1:100 @ A3

Client



AS SHOWN	LM
Designed	LM
Checked	AT
Approved	

Grid MGA2020

Height Datum AHD

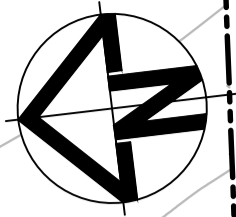
GDA2020

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Project PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title BASIN SPILLWAY DETAILS

Civil Engineers and Project Managers	
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. 20-748-C11098	Issue 2



**LOT 1**  
FFL 65.00  
REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

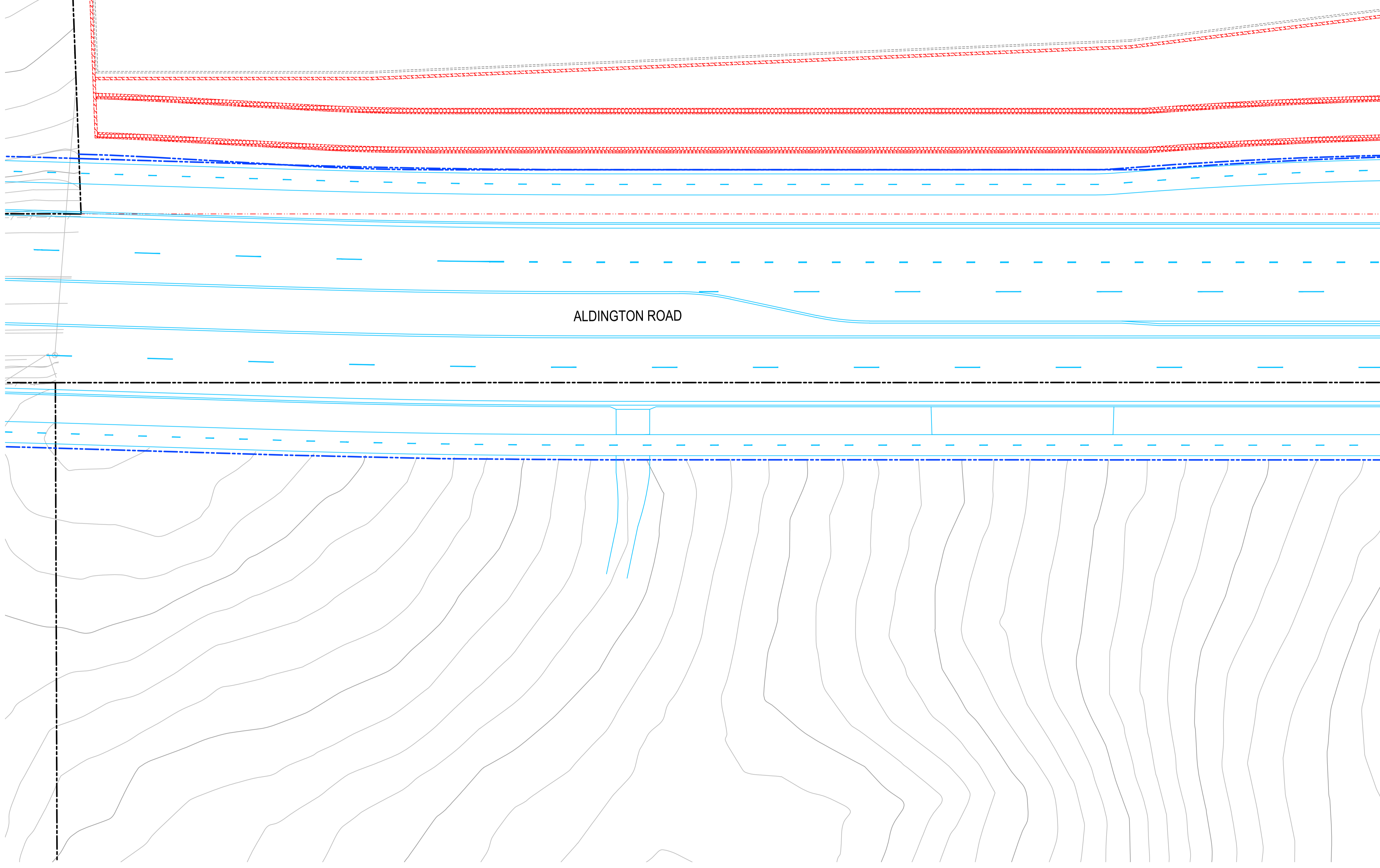
**LEGEND:**

	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
	LIMIT OF WORKS

**PAVEMENT LEGEND:**

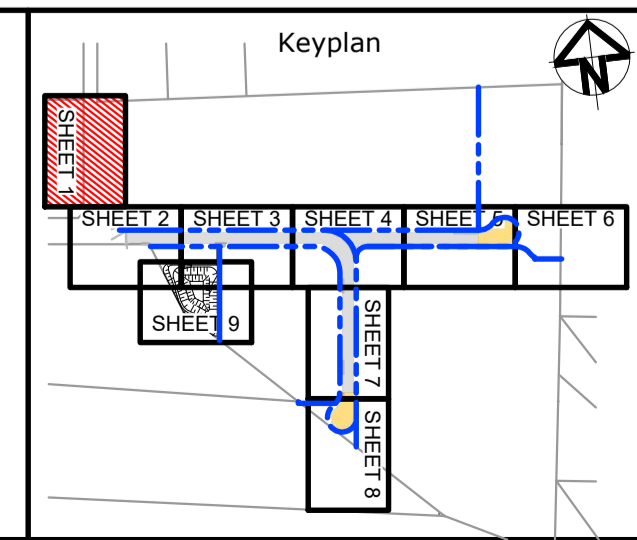
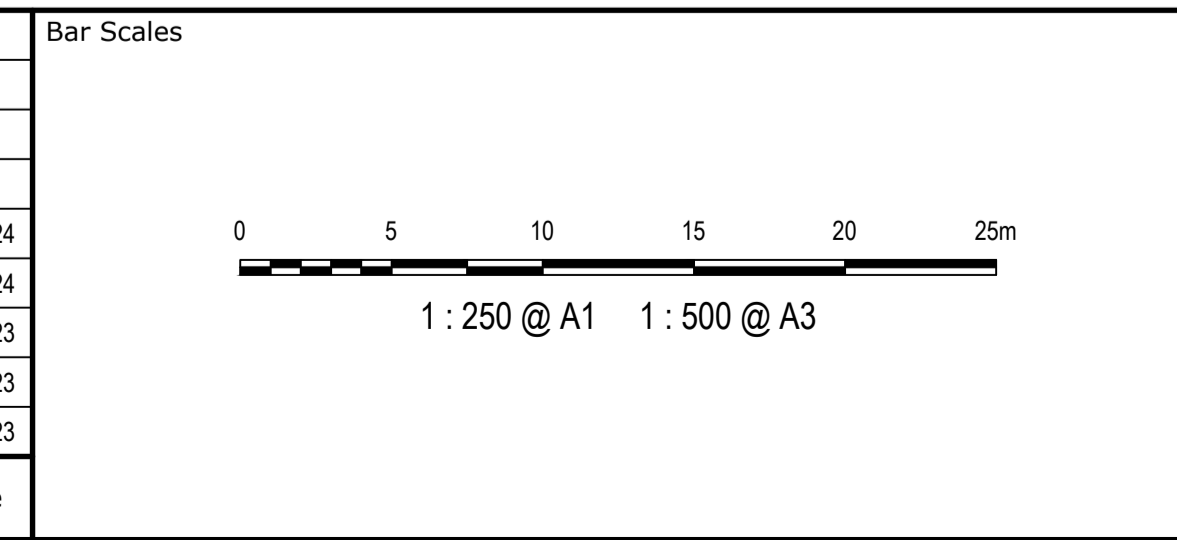
	<b>PROPOSED INDUSTRIAL ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED PRIVATE ACCESS ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>CUL-DE-SAC AND ROUNDABOUT PAVEMENT</b> 75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED FOOTPATH PAVEMENT</b> 125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER) 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
	<b>PROPOSED INDUSTRIAL DRIVEWAY</b> 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
	<b>LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRGS FOR DETAILS</b>
	<b>BASIN MAINTENANCE TRACK</b> 2 COAT SEAL (14/7) ON 200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%. 3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
	<b>BASIN ACCESS TRACK AND WEIR</b> 175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON 150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
	PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



FOR CONTINUATION REFER TO DRAWING C11122

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT AND SURFACE TREATMENT 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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11121	Issue
		5

FOR CONTINUATION REFER TO DRAWING C11121

LOT 1

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

**LEGEND:**

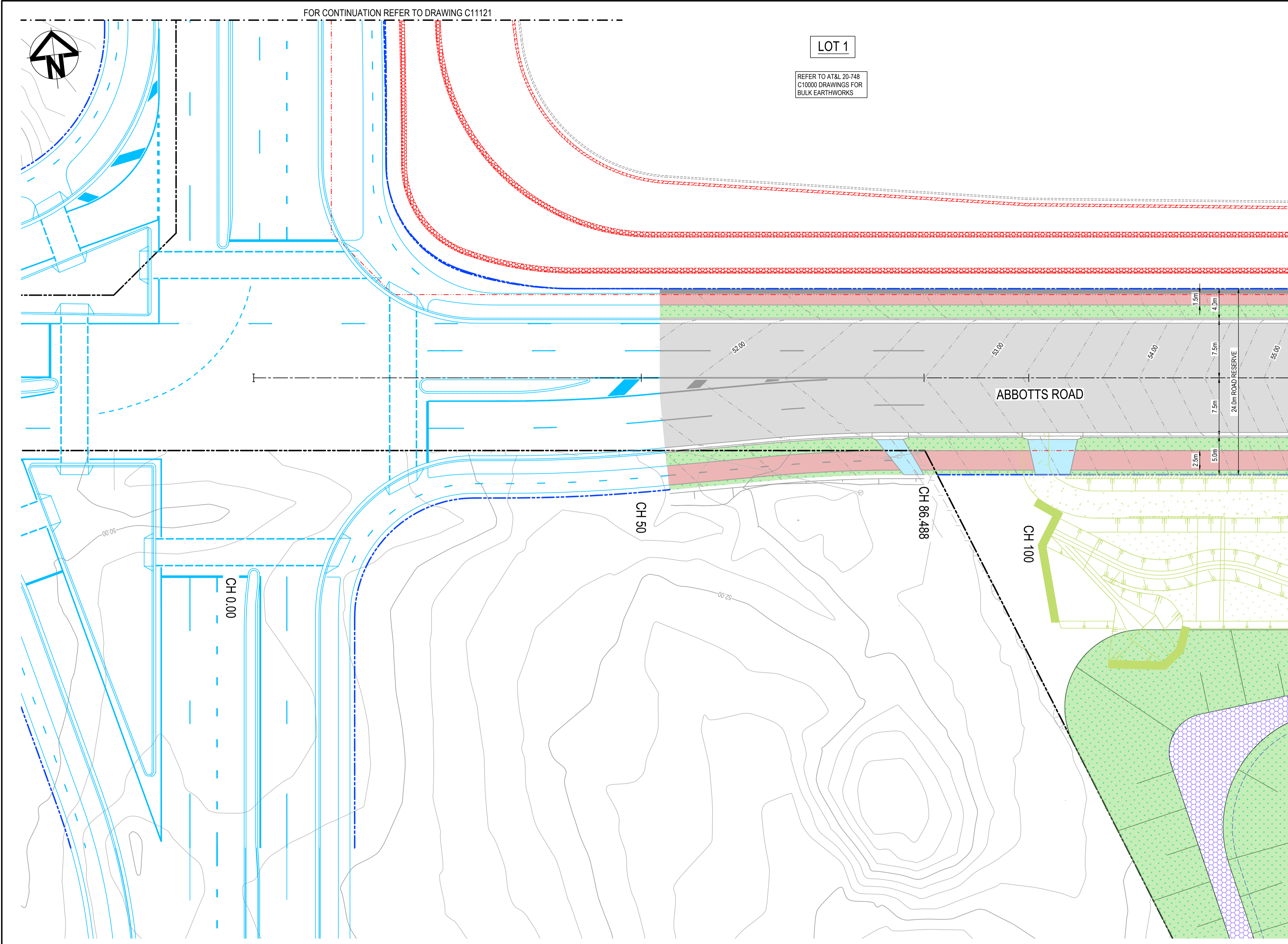
	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
	LIMIT OF WORKS

**PAVEMENT LEGEND:**

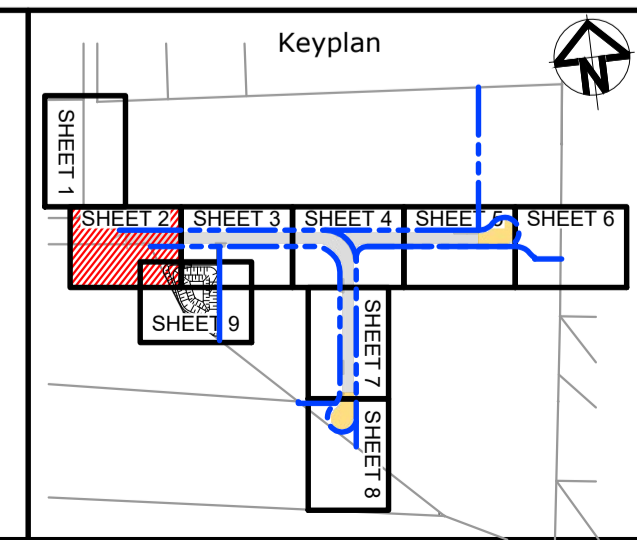
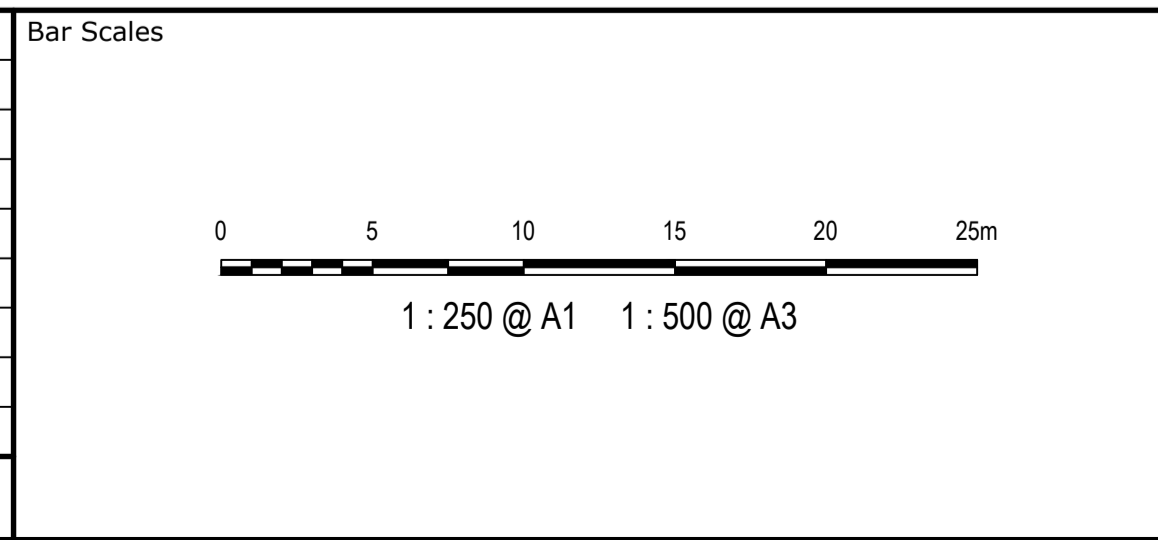
	<b>PROPOSED INDUSTRIAL ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASE COURSE (DGB20) ON 175mm THICKNESS SUB-BASE COURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED PRIVATE ACCESS ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASE COURSE (DGB20) ON 175mm THICKNESS SUB-BASE COURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>CUL-DE-SAC AND ROUNDABOUT PAVEMENT</b> 75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASE COURSE (DGB20) ON 175mm THICKNESS SUB-BASE COURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED FOOTPATH PAVEMENT</b> 125mm THICKNESS CONCRETE WITH SL2 (40mm TOP COVER) 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
	<b>PROPOSED INDUSTRIAL DRIVEWAY</b> 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
	<b>LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS</b>
	<b>BASIN MAINTENANCE TRACK</b> 2 COAT SEAL (14/7) ON 200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%. 3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
	<b>BASIN ACCESS TRACK AND WEIR</b> 175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON 150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
	<b>PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)</b>

FOR CONTINUATION REFER TO DRAWING C11123

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

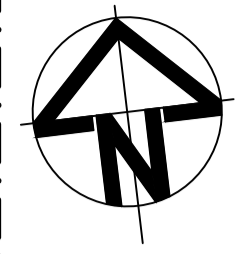
Title  
**PAVEMENT AND SURFACE TREATMENT PLAN SHEET 2**

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11122	Issue
		5





LOT 1

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

LOT 4

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- LIMIT OF WORKS

**PAVEMENT LEGEND:**

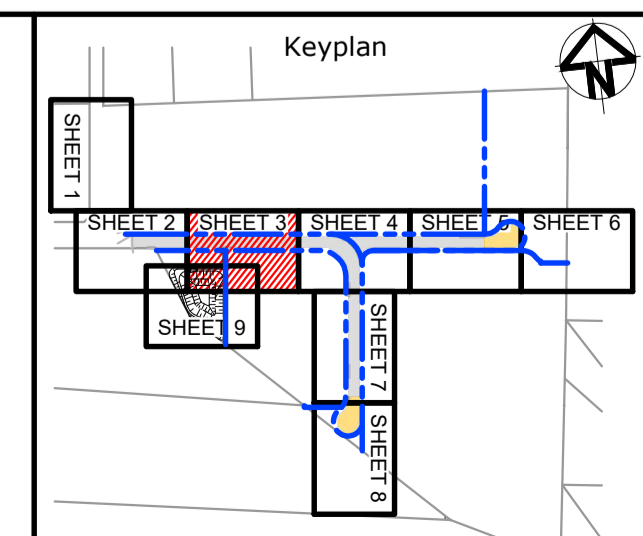
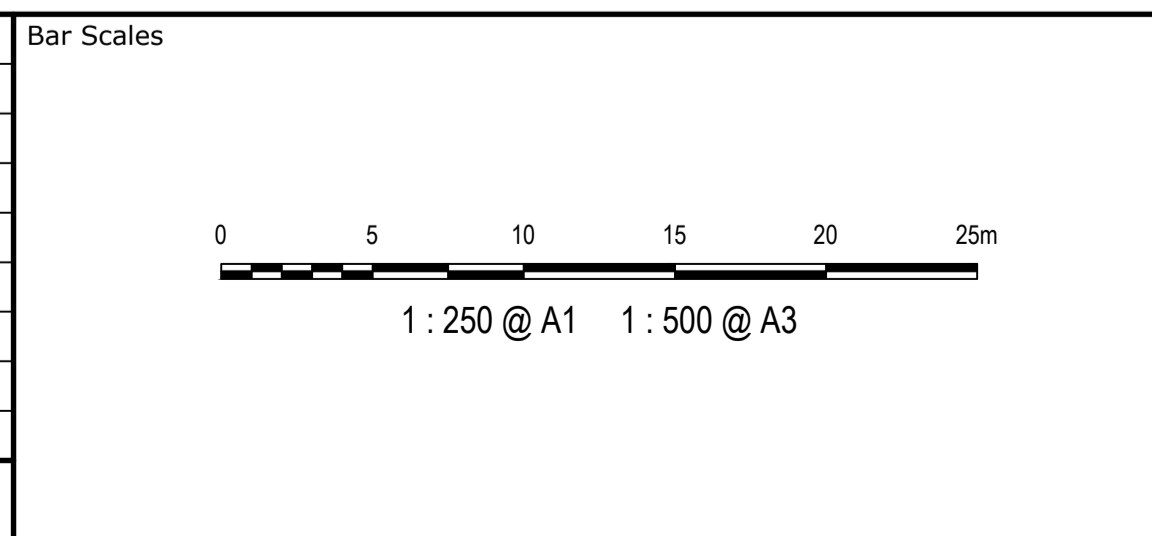
- PROPOSED INDUSTRIAL ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED PRIVATE ACCESS ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT**  
125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**  
225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS**
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (14/7) ON  
200mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.  
3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.
- PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)**

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

FOR CONTINUATION REFER TO DRAWING C11122.

FOR CONTINUATION REFER TO DRAWING C11122.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

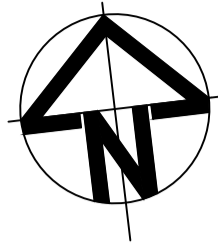
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT AND SURFACE TREATMENT PLAN SHEET 3**

Civil Engineers and Project Managers

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

Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11123	Issue
		5



**LOT 1**

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

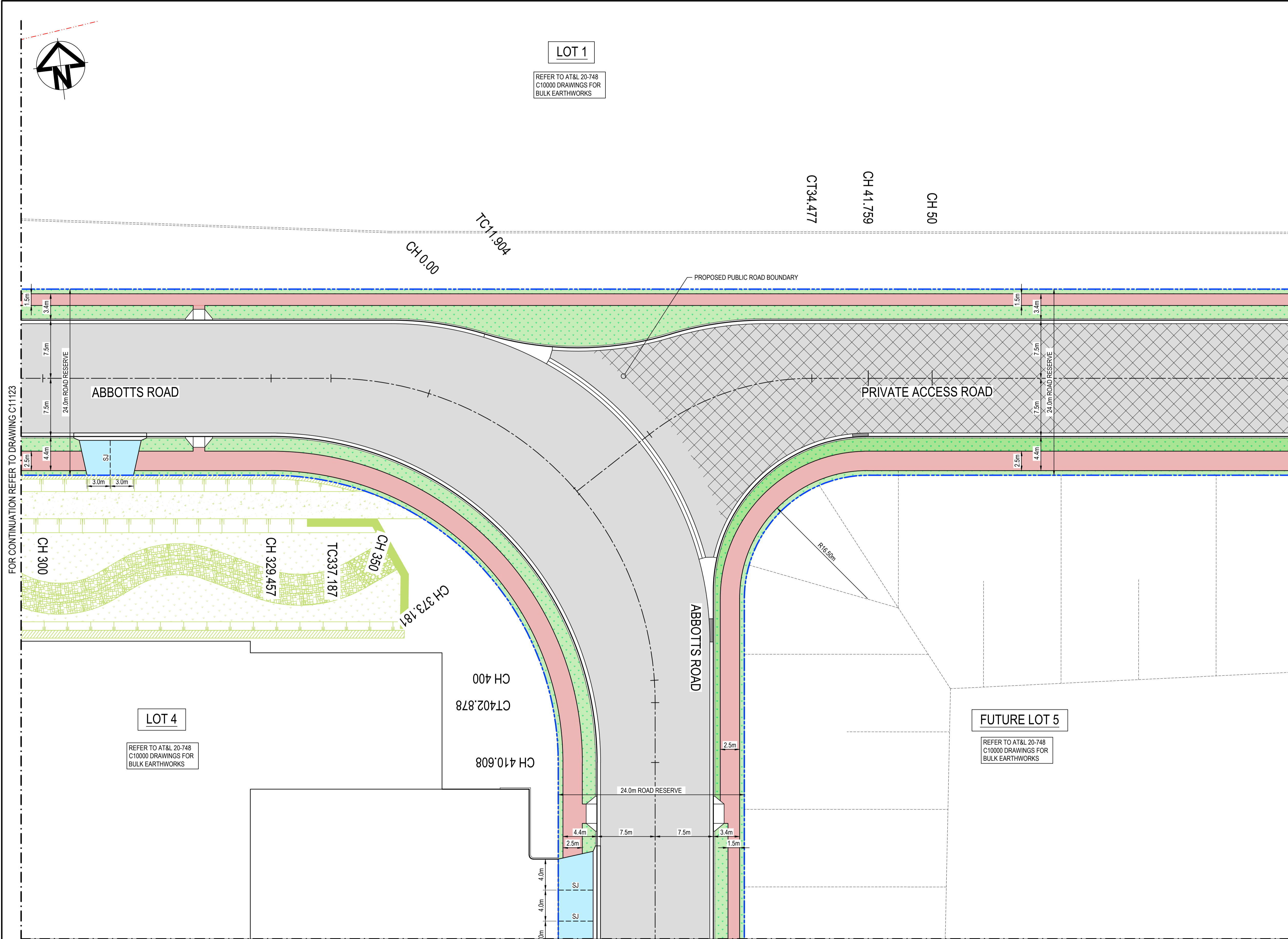
**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- LIMIT OF WORKS

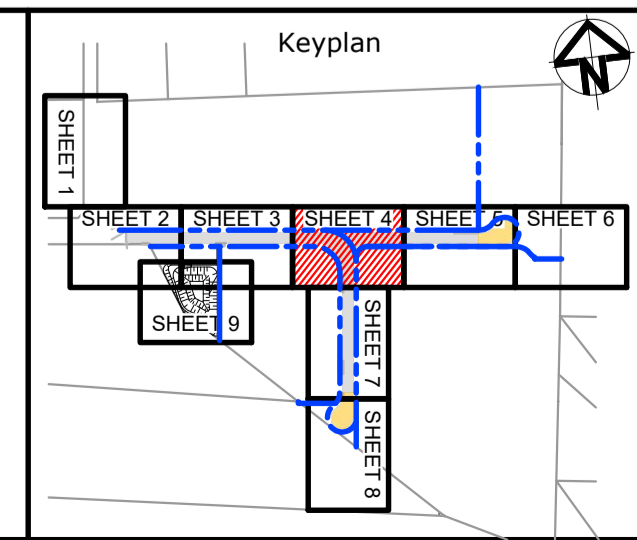
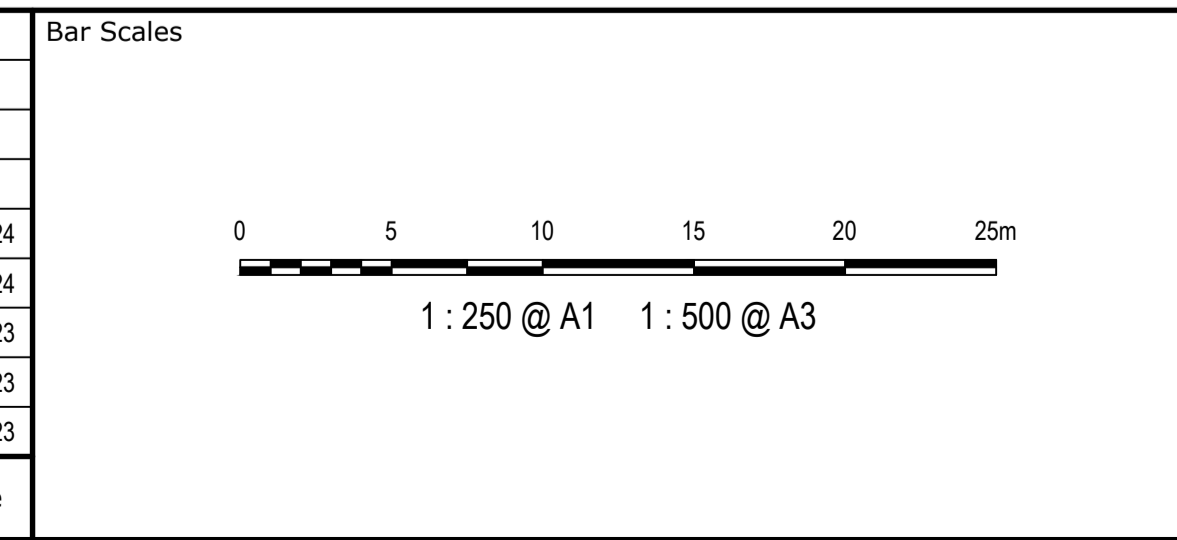
**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED PRIVATE ACCESS ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (AISE) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT**  
125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**  
225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING** - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (14/7) ON  
200mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.  
3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.
- PROPOSED SAWN JOINT** (REFER DETAILS ON DWG. C13098)

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

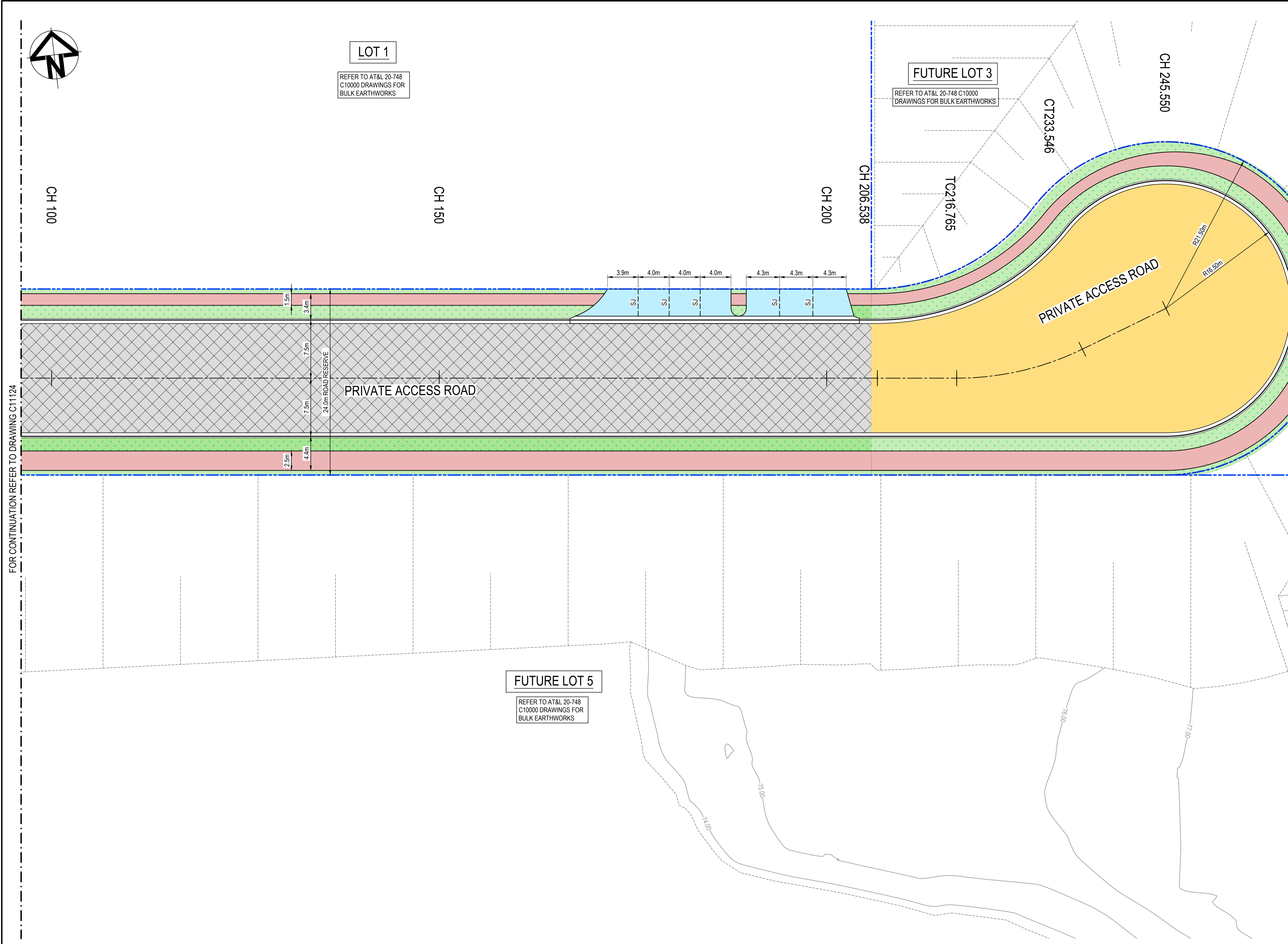
Title

**PAVEMENT AND SURFACE TREATMENT 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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11124	Issue
		5



**LEGEND:**

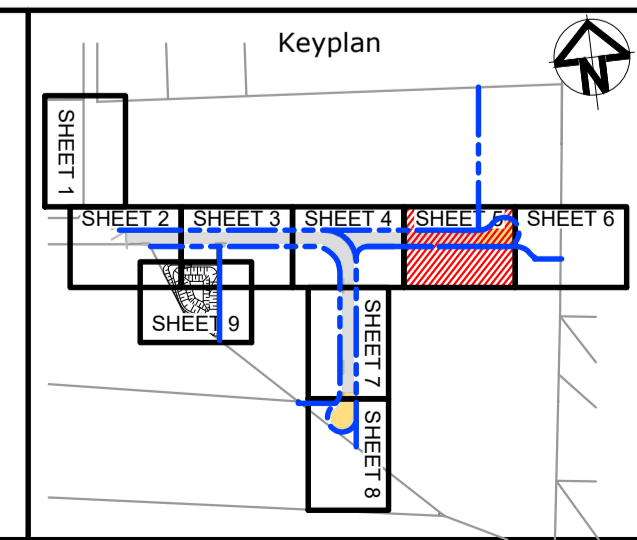
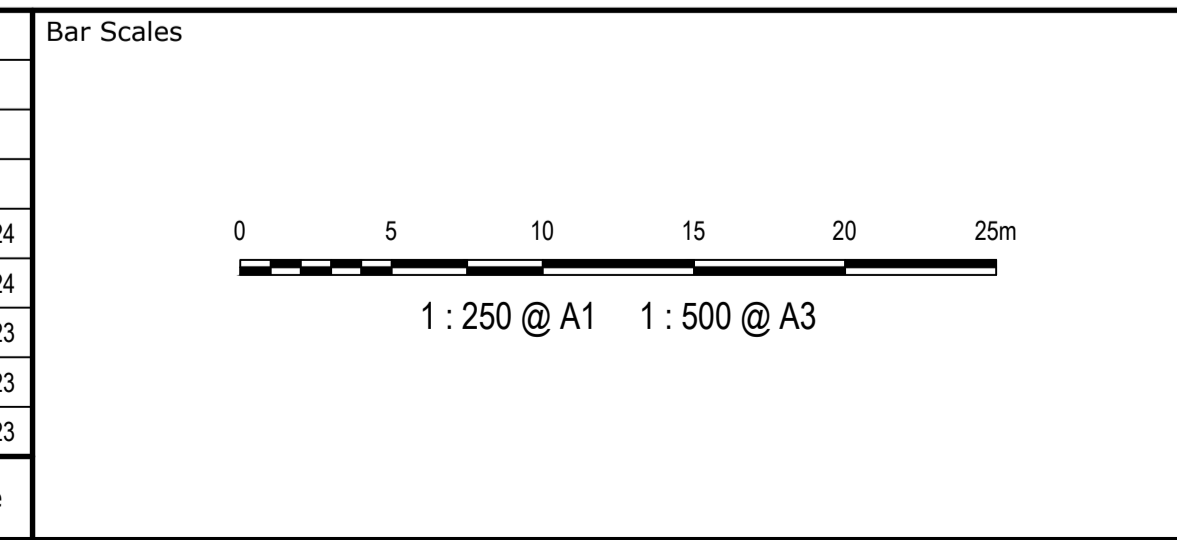
- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- LIMIT OF WORKS

**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- REFER TO DOUGLAS PARNTERS. "REPORT ON PAVEMENT INVESTIGATION" PROJECT 92352.03 NOV. 23 FOR PAVEMENT DESIGN SPECIFICATION AND CERTIFICATION.
- PROPOSED PRIVATE ACCESS ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- REFER TO DOUGLAS PARNTERS. "REPORT ON PAVEMENT INVESTIGATION" PROJECT 92352.03 NOV. 23 FOR PAVEMENT DESIGN SPECIFICATION AND CERTIFICATION.
- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (A1E) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- REFER TO DOUGLAS PARNTERS. "REPORT ON PAVEMENT INVESTIGATION" PROJECT 92352.03 NOV. 23 FOR PAVEMENT DESIGN SPECIFICATION AND CERTIFICATION.
- PROPOSED FOOTPATH PAVEMENT**  
125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**  
225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS**
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (14/7) ON  
200mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.  
3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%
- SJ --- PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)

**NOTE:**  
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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales: 1:250

Grid: MGA2020

Height Datum: AHD

Drawn: LM

Designed: LM

Checked: AT

Approved: [Signature]

GDA2020

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Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title: PAVEMENT AND SURFACE TREATMENT PLAN SHEET 5

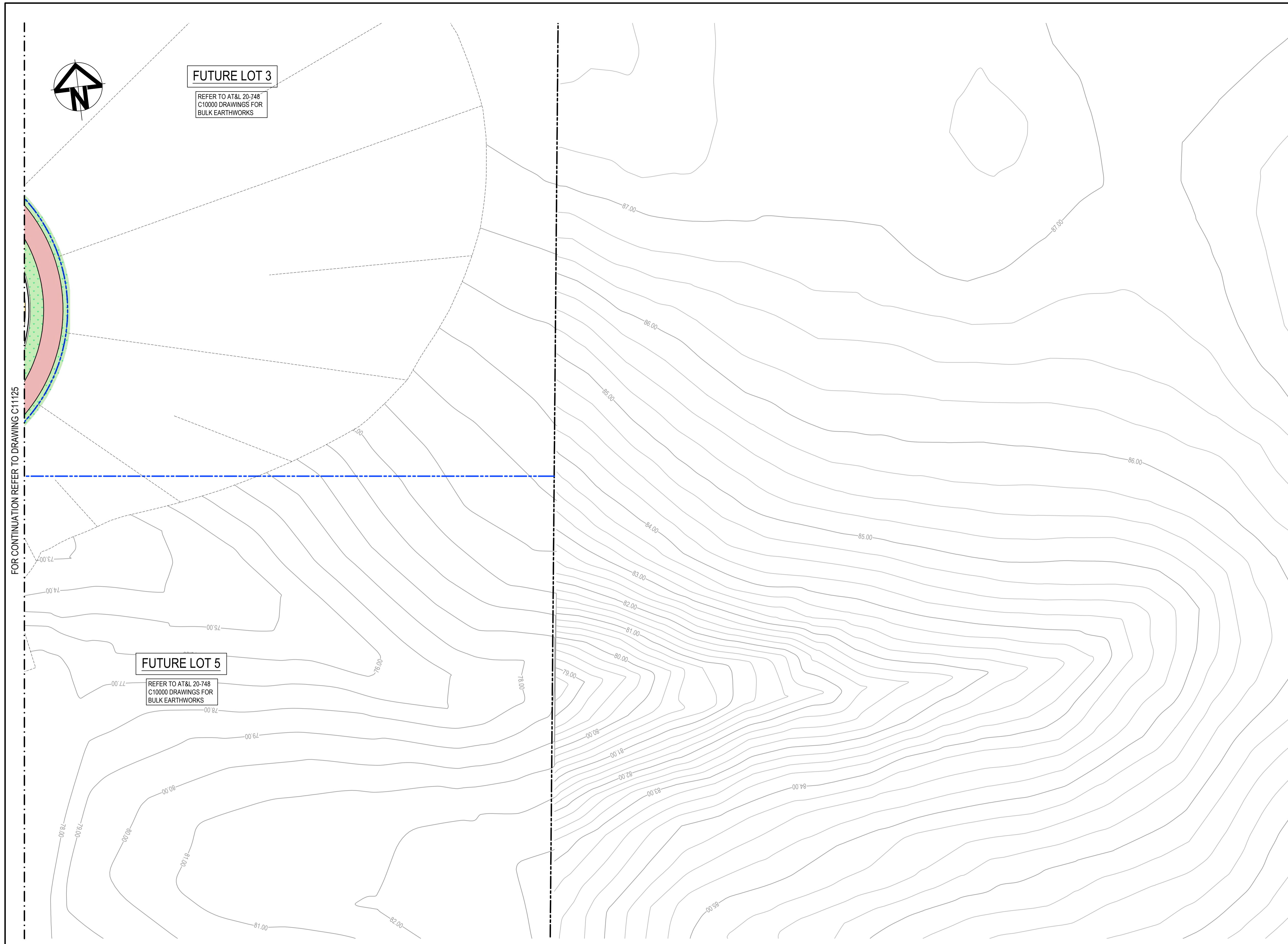
Civil Engineers and Project Managers

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. 20-748-C11125

Issue 5



**LEGEND:**

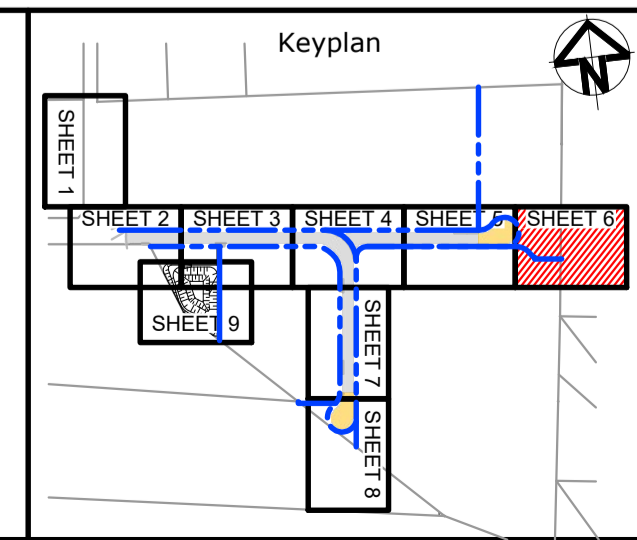
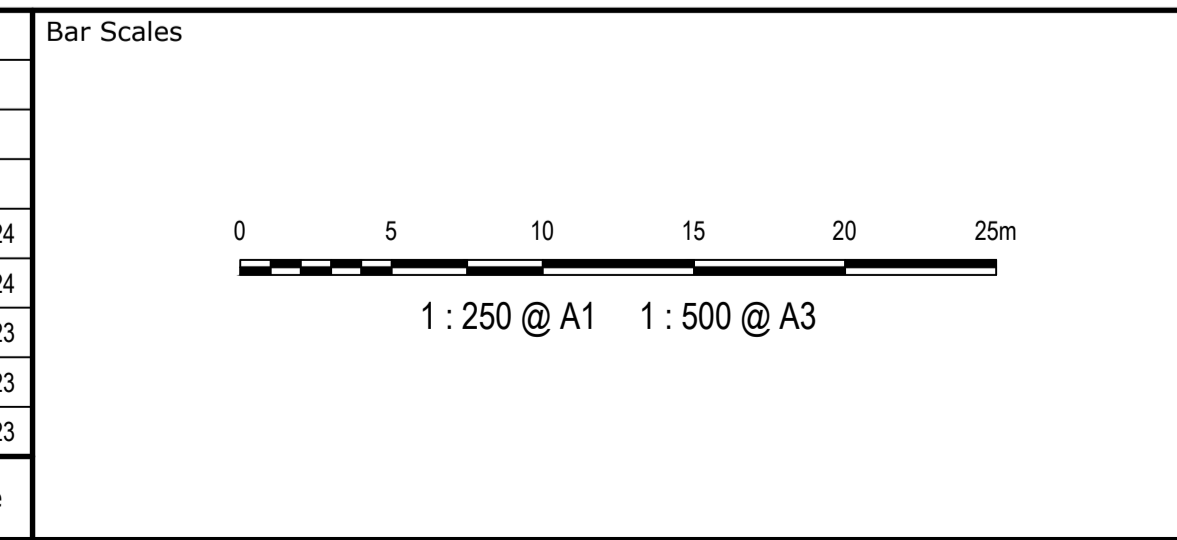
- EXISTING BOUNDARY
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- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- ||||| LIMIT OF WORKS

**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- REFER TO DOUGLAS PARNTERS. "REPORT ON PAVEMENT INVESTIGATION" PROJECT 92352.03 NOV. 23 FOR PAVEMENT DESIGN SPECIFICATION AND CERTIFICATION.
- PROPOSED PRIVATE ACCESS ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
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- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
150mm THICKNESS BASECOURSE (DGB20) ON  
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300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- REFER TO DOUGLAS PARNTERS. "REPORT ON PAVEMENT INVESTIGATION" PROJECT 92352.03 NOV. 23 FOR PAVEMENT DESIGN SPECIFICATION AND CERTIFICATION.
- PROPOSED FOOTPATH PAVEMENT**  
125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**  
225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS**
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (1477) ON  
200mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.  
3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%.
- SJ --- PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)

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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
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2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



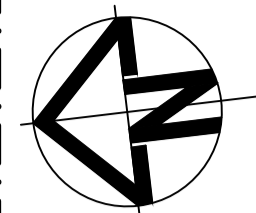
Scales	1:250	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L			

Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	PAVEMENT AND SURFACE TREATMENT 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.	20-748-C11126	Issue
		5



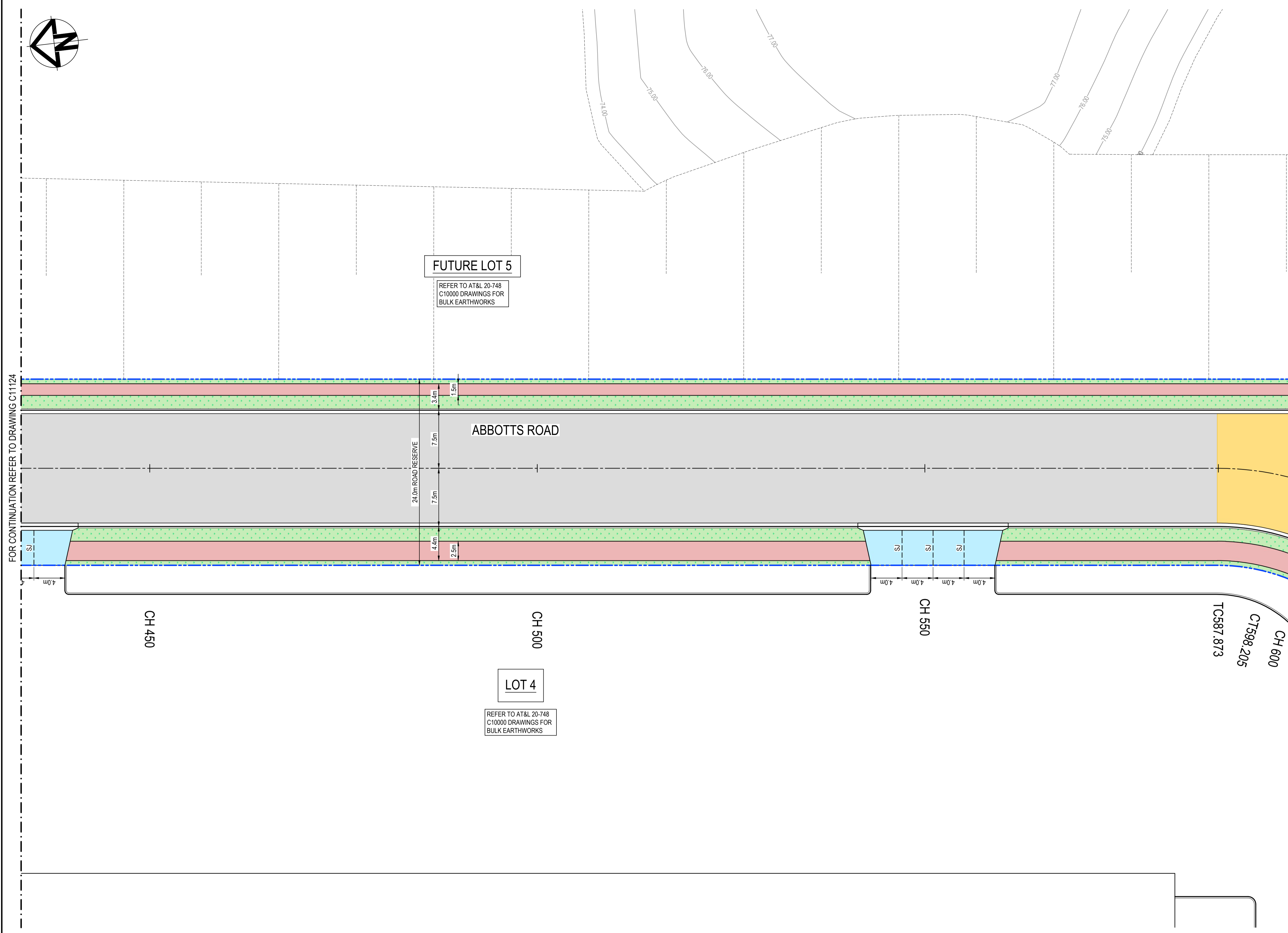
**LEGEND:**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
- LIMIT OF WORKS

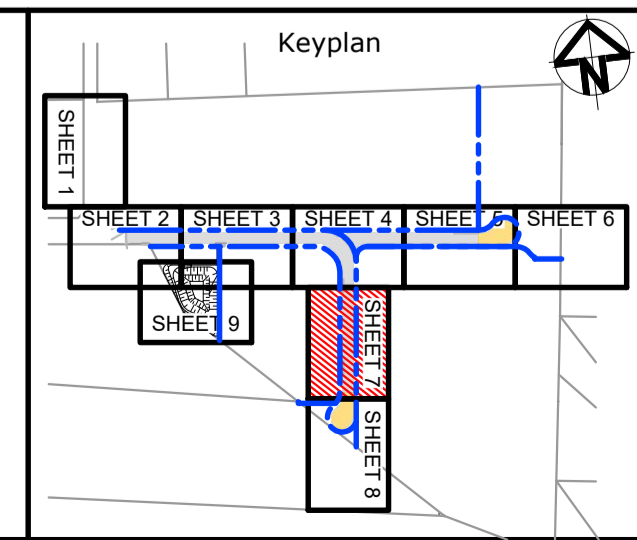
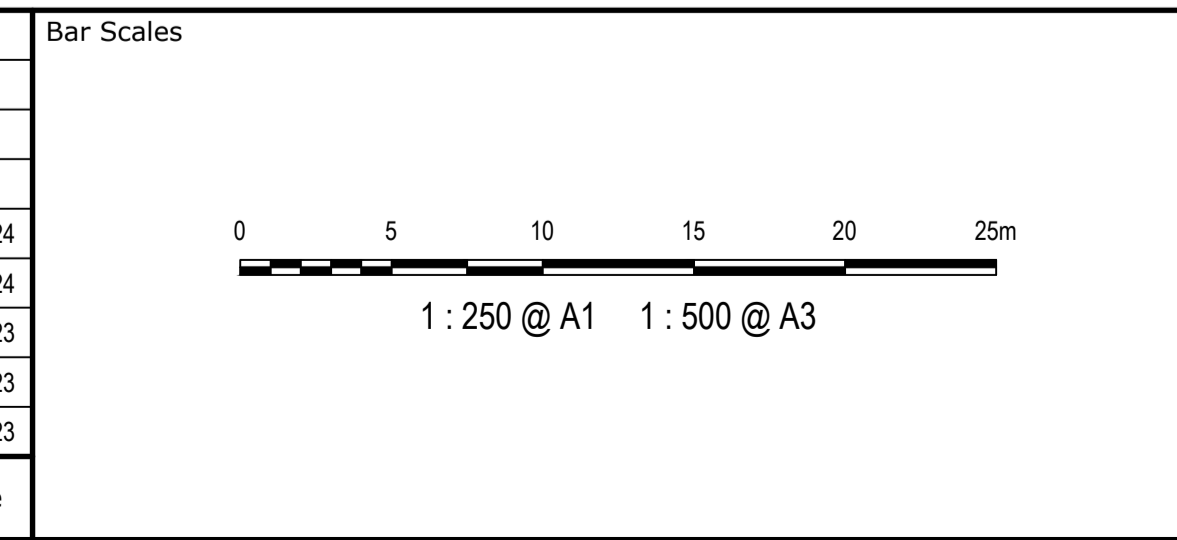
**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
7mm THICKNESS PRIME SEAL ON  
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175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
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- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON  
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300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED FOOTPATH PAVEMENT**  
125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
- PROPOSED INDUSTRIAL DRIVEWAY**  
225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING** - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (14/7) ON  
200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.  
3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
- PROPOSED SAWN JOINT** (REFER DETAILS ON DWG. C13098)

**NOTE:**  
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Issue	Description	Date
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1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

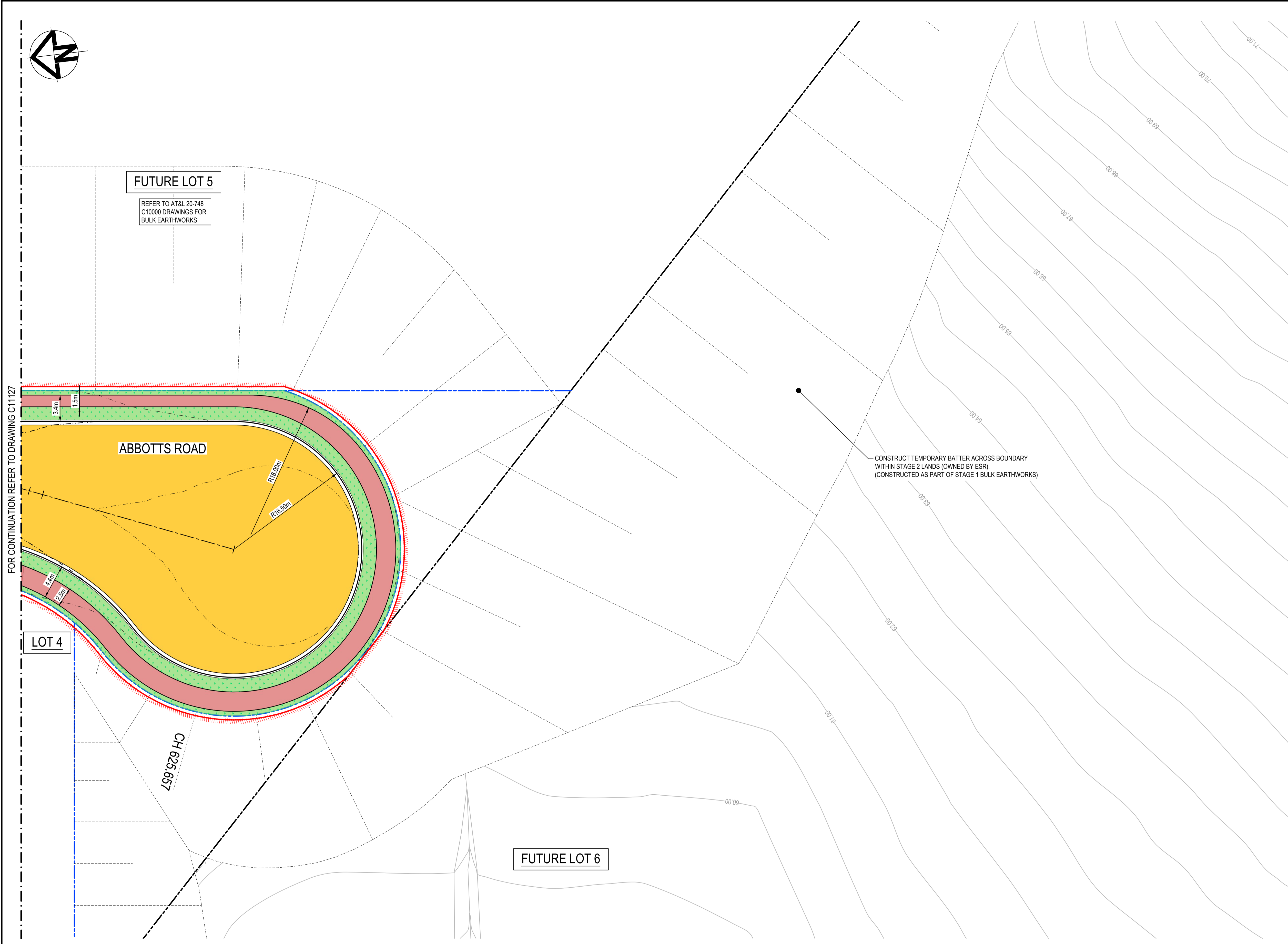
**PAVEMENT AND SURFACE TREATMENT PLAN SHEET 7**

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11127	Issue
		5

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**LEGEND:**

- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE REMOVED
- PROPOSED BOUNDARY
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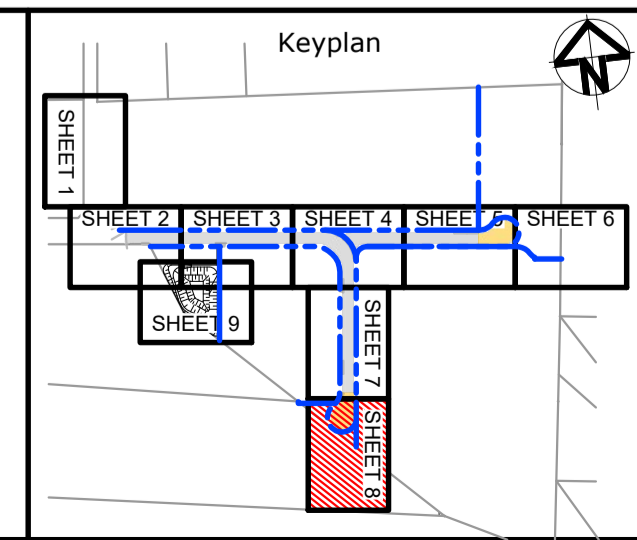
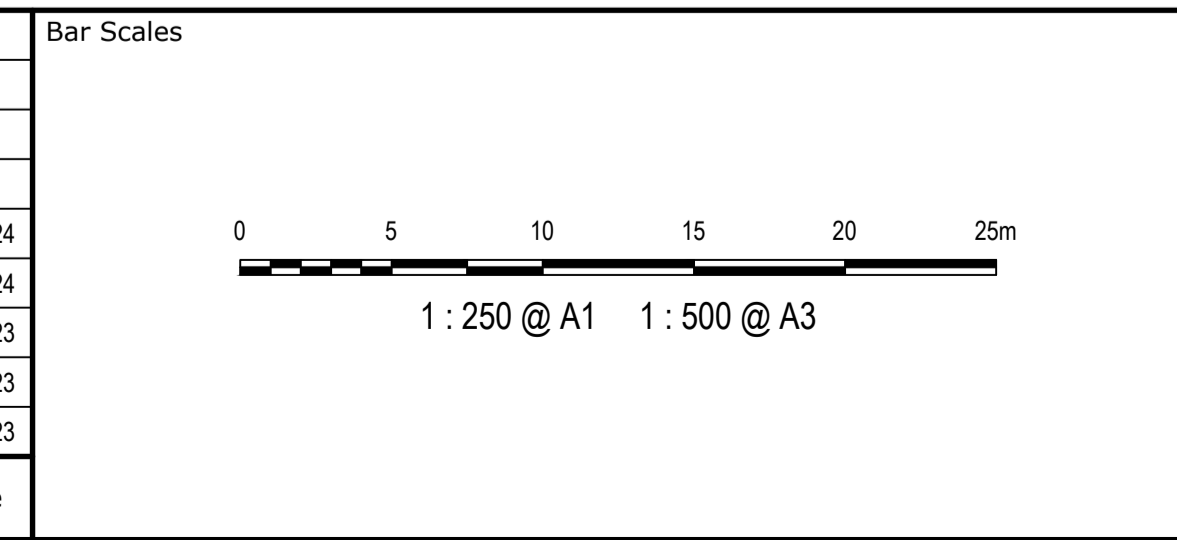
**PAVEMENT LEGEND:**

- PROPOSED INDUSTRIAL ROAD**  
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7mm THICKNESS PRIME SEAL ON  
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175mm THICKNESS SUB-BASECOURSE (DGS40) ON  
300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED PRIVATE ACCESS ROAD**  
70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON  
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- CUL-DE-SAC AND ROUNDABOUT PAVEMENT**  
75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON  
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125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER)  
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225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON  
30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
- LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS**
- BASIN MAINTENANCE TRACK**  
2 COAT SEAL (14/7) ON  
200mm THICKNESS COMPACTED DGB20 ON  
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3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
- BASIN ACCESS TRACK AND WEIR**  
175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON  
150mm THICKNESS COMPACTED DGB20 ON  
COMPACTED SUBGRADE MIN CBR 3%
- PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)**

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FOR CONTINUATION REFER TO DRAWING C11127

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
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Client

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

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT AND SURFACE TREATMENT PLAN SHEET 8**

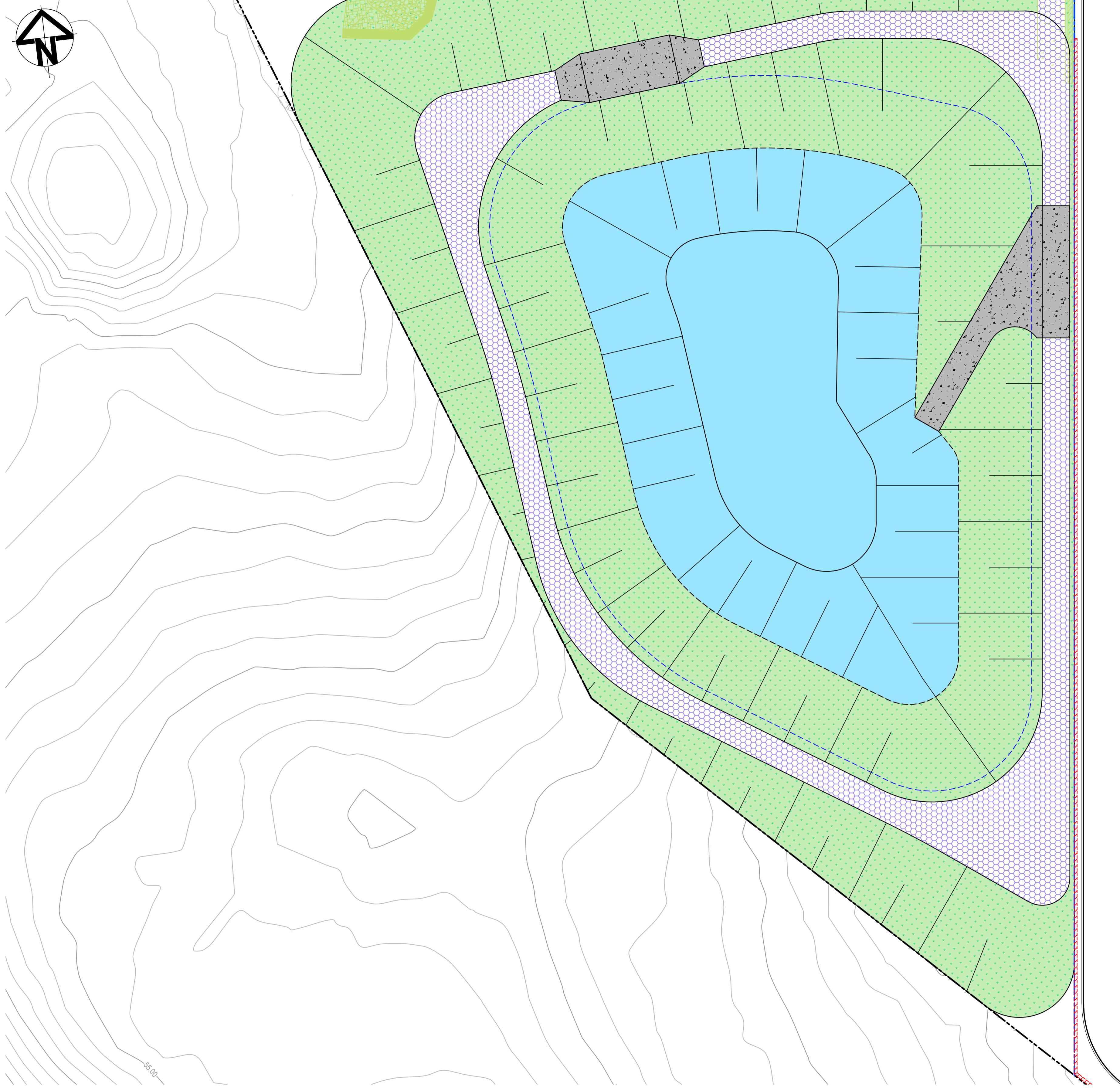
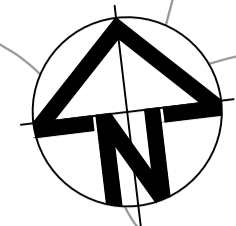
Civil Engineers and Project Managers

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11128	Issue
		5

FOR CONTINUATION REFER TO DRAWING C11122

FOR CONTINUATION REFER TO DRAWING C11123



LOT 4

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

**LEGEND:**

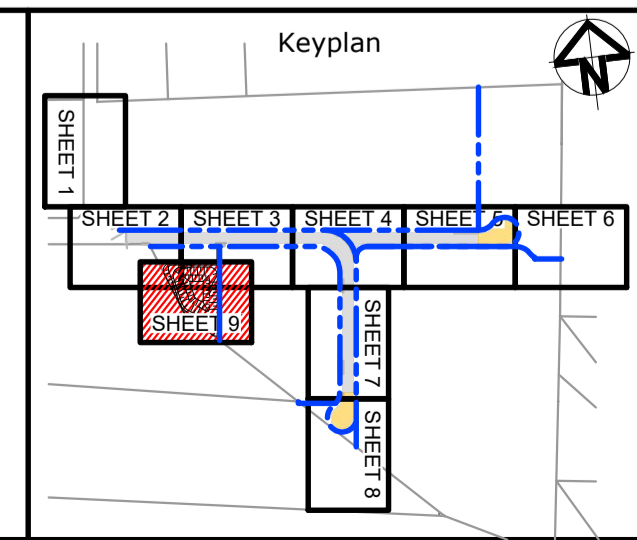
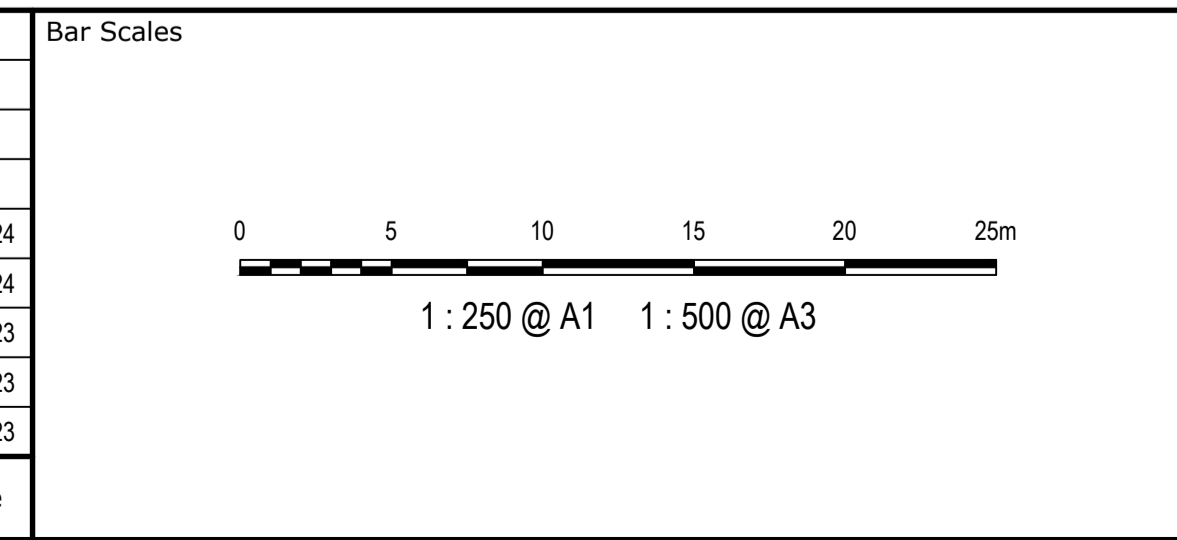
	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	ALDINGTON / ABBOTTS RD UPGRADE WORKS. (NOT PART OF THIS SCOPE OF WORKS).
	LIMIT OF WORKS

**PAVEMENT LEGEND:**

	<b>PROPOSED INDUSTRIAL ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED PRIVATE ACCESS ROAD</b> 70mm THICKNESS AC14 (C320) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>CUL-DE-SAC AND ROUNDABOUT PAVEMENT</b> 75mm THICKNESS AC14 (A15E) LAID IN 2 LAYERS 35mm EACH ON 7mm THICKNESS PRIME SEAL ON 150mm THICKNESS BASECOURSE (DGB20) ON 175mm THICKNESS SUB-BASECOURSE (DGS40) ON 300mm THICKNESS SELECT SANDSTONE FILL (CBR 35%) ON COMPACTED SUBGRADE MIN CBR 3%
	<b>PROPOSED FOOTPATH PAVEMENT</b> 125mm THICKNESS CONCRETE WITH SL72 (40mm TOP COVER) 30mm THICKNESS SAND BEDDING (REFER TO PCC STANDARD DWG SD1001 FOR JOINTING DETAILS)
	<b>PROPOSED INDUSTRIAL DRIVEWAY</b> 225mm THICKNESS CONCRETE N32, 2 x SL82 MESH TOP AND BOTTOM (40mm COVER) ON 30mm SAND (REFER TO PCC COUNCIL STANDARD SPEC 7.4)
	<b>LANDSCAPING - REFER TO LANDSCAPE ARCHITECTS DRG'S FOR DETAILS</b>
	<b>BASIN MAINTENANCE TRACK</b> 2 COAT SEAL (14/7) ON 200mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%. 3% CROSS FALL REQUIRED FOR ALL MAINTENANCE TRACKS
	<b>BASIN ACCESS TRACK AND WEIR</b> 175mm THICKNESS CONCRETE N32, SL82 MESH (40mm TOP COVER) ON 150mm THICKNESS COMPACTED DGB20 ON COMPACTED SUBGRADE MIN CBR 3%.
	<b>PROPOSED SAWN JOINT (REFER DETAILS ON DWG. C13098)</b>

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

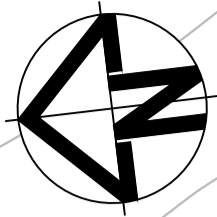
Title

**PAVEMENT AND SURFACE TREATMENT PLAN SHEET 9**

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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11129	Issue
		5



**LOT 1**  
FFL 65.00  
REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

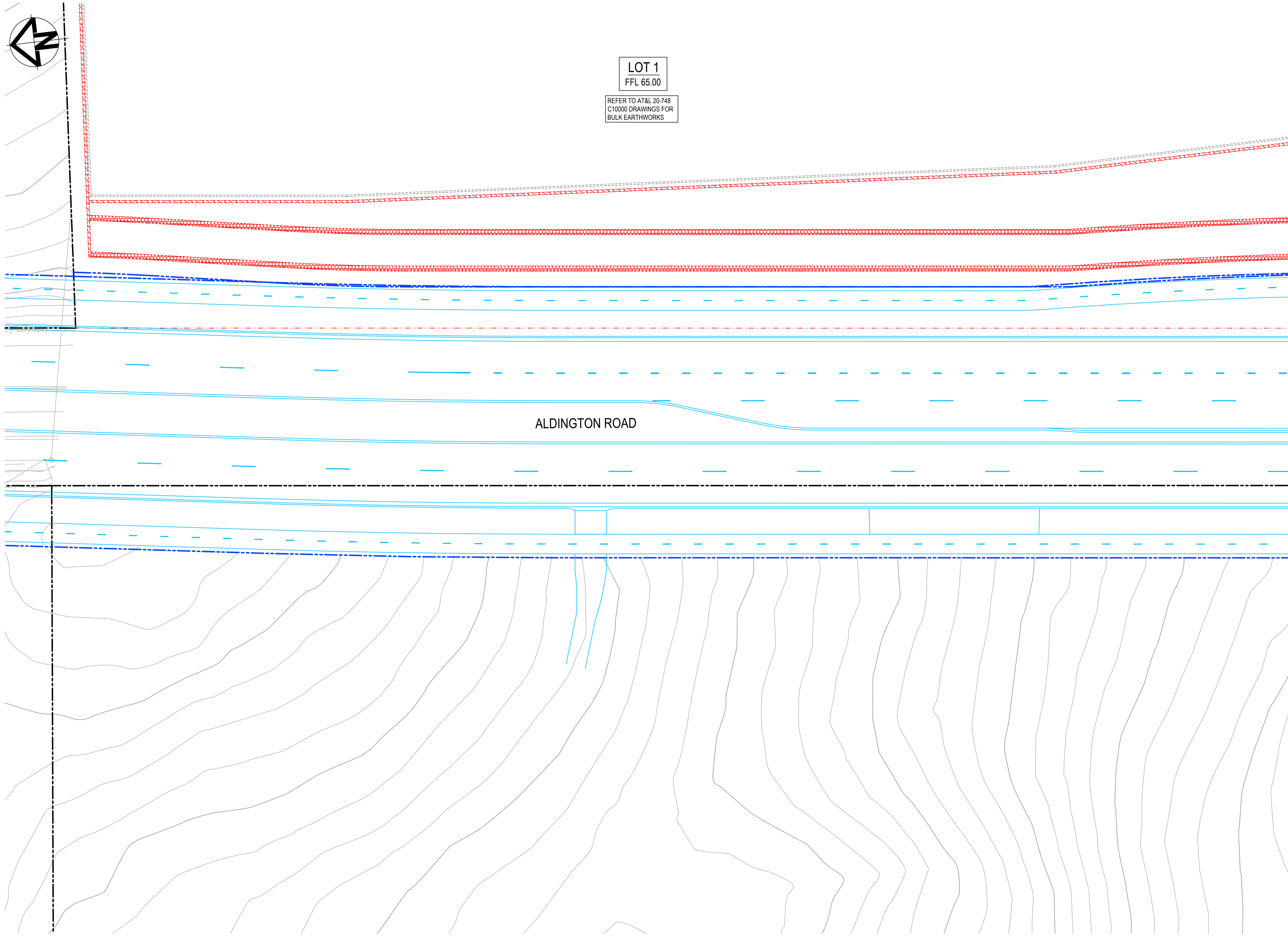
**PAVEMENT MARKING SCHEDULE**

LANE LINES	
L1	_____ L1 _____
C1	_____ C1 _____
BARRIER LINES	
BB	_____ BB _____
GIVEWAY LINES	
TB	_____ TB _____
TB1	_____ TB1 _____

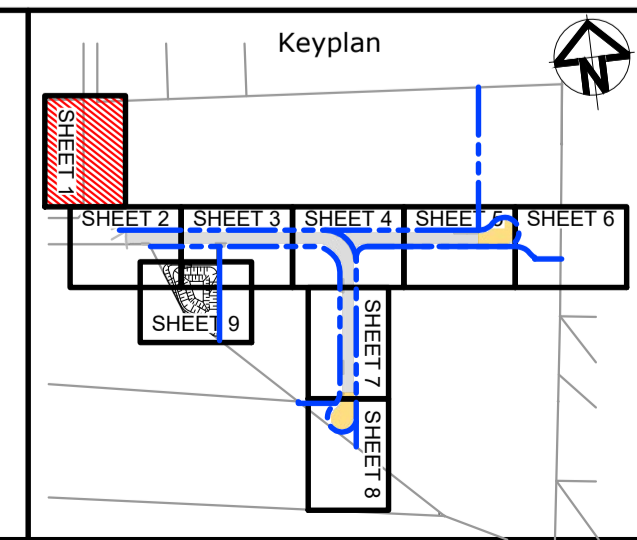
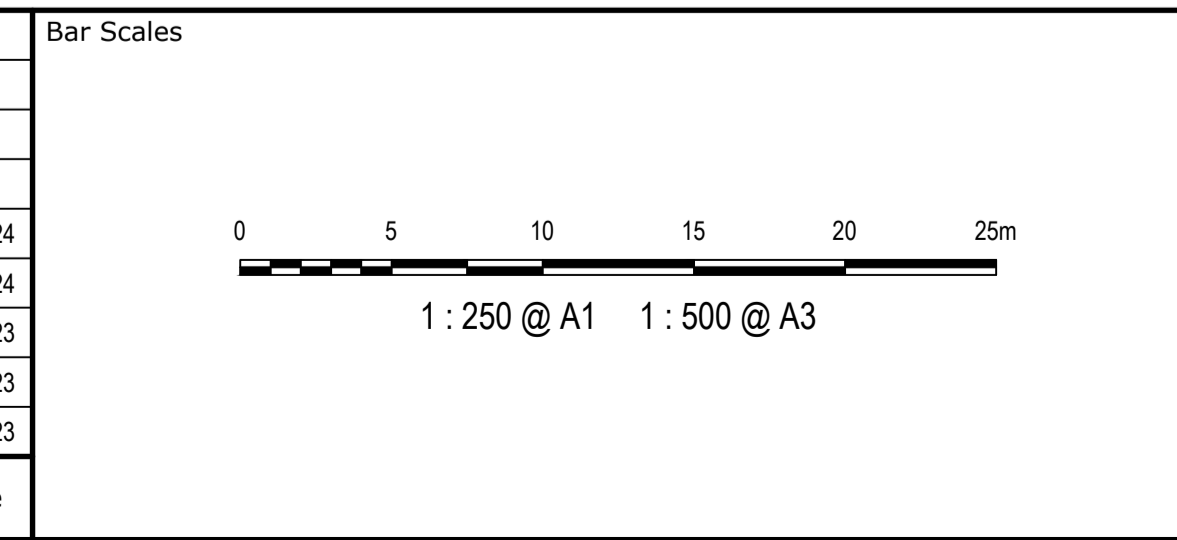
- NOTES:**
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

FOR CONTINUATION REFER TO DRAWING C11132

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

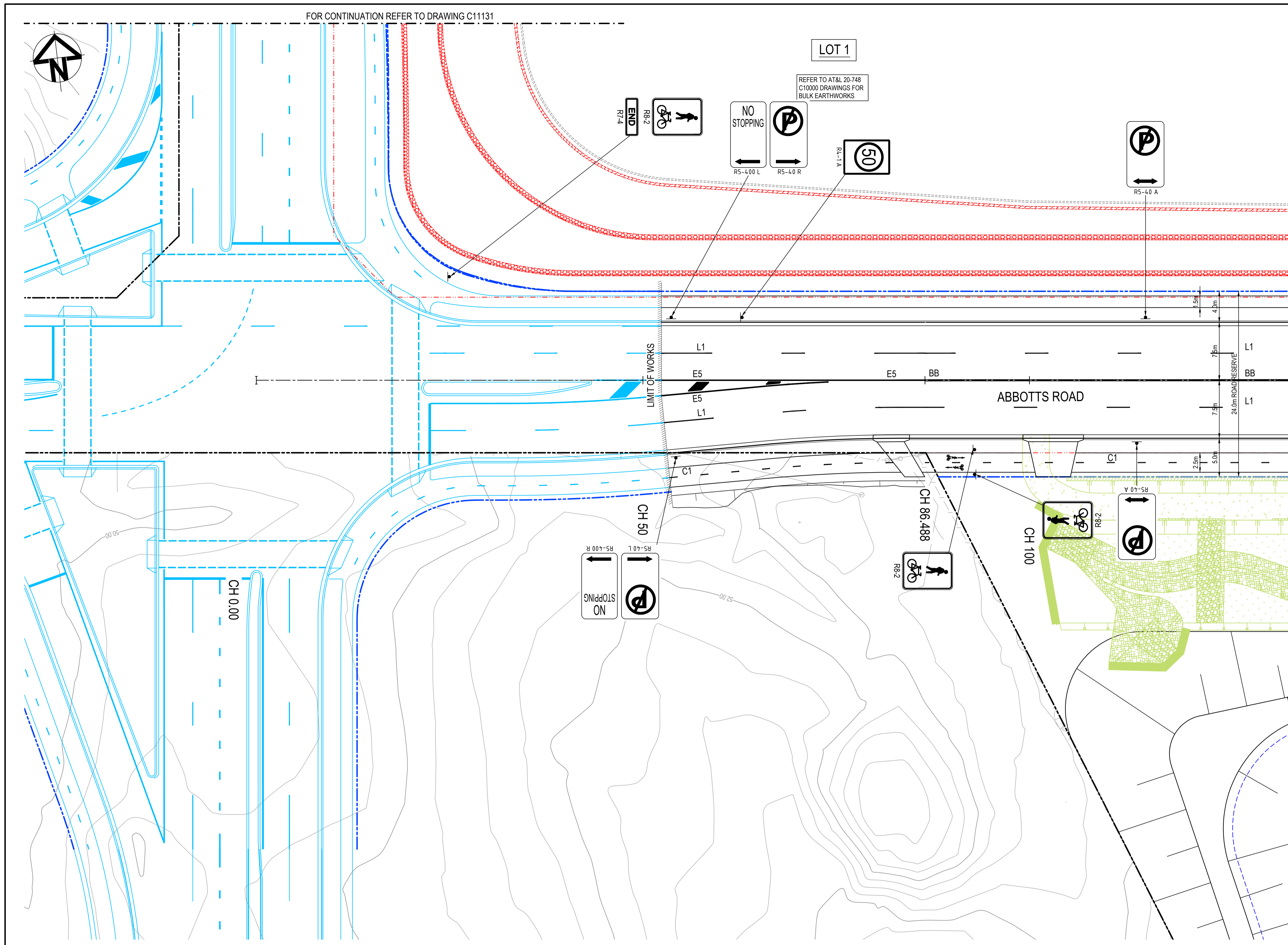
Title **PAVEMENT MARKING AND SIGNPOSTING PLAN SHEET 1**

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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11131	Issue
		5



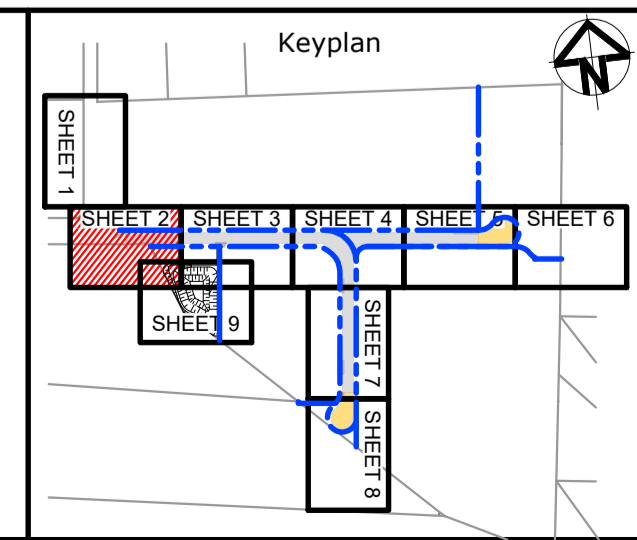
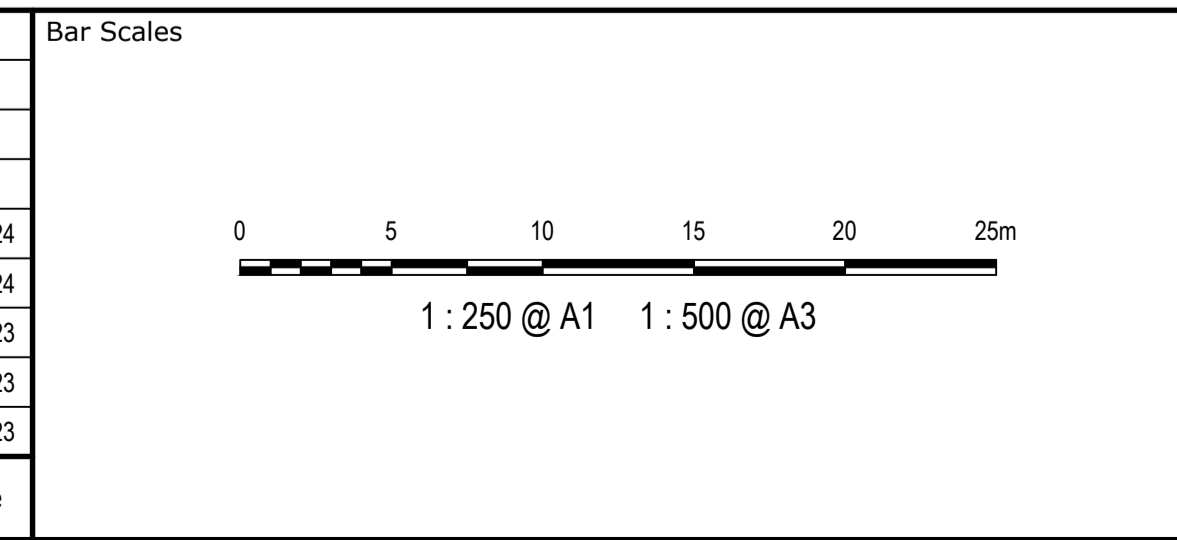


PAVEMENT MARKING SCHEDULE	
<b>LANE LINES</b>	
L1	L1
C1	C1
<b>BARRIER LINES</b>	
BB	BB
<b>GIVEWAY LINES</b>	
TB	TB
TB1	TB1
<b>NOTES:</b>	
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.	
2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.	
3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.	
4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.	
5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.	
6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.	
7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.	

FOR CONTINUATION REFER TO DRAWING C11133

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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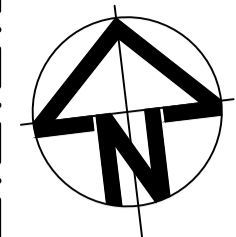
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT MARKING AND SIGNPOSTING 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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11132	Issue
		5



LOT 1

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

**PAVEMENT MARKING SCHEDULE**

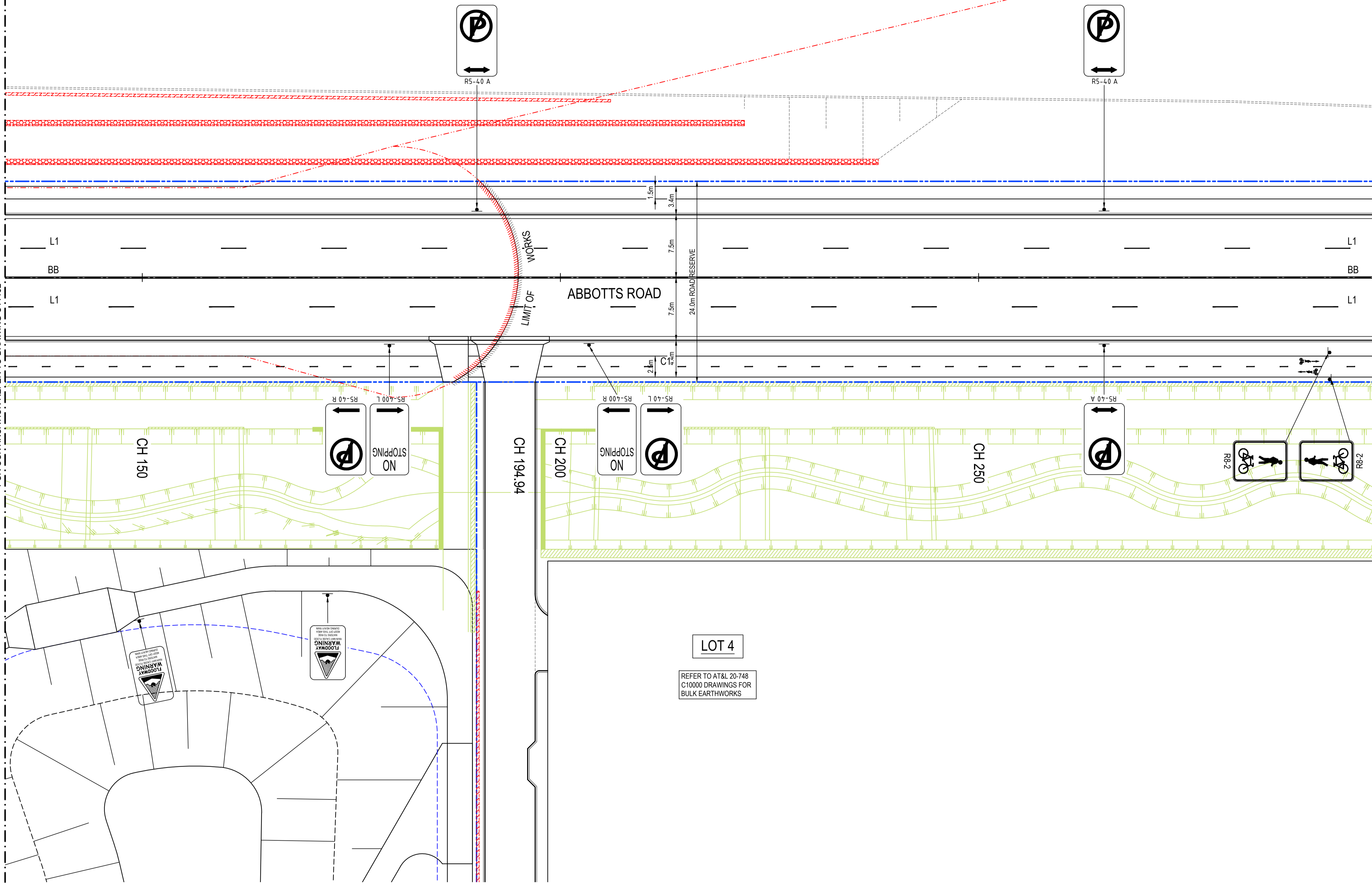
<b>LANE LINES</b>	
L1	L1
C1	C1
<b>BARRIER LINES</b>	
BB	BB
<b>GIVEWAY LINES</b>	
TB	TB
TB1	TB1

- NOTES:**
- ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  - ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  - TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  - RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  - REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  - PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  - ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

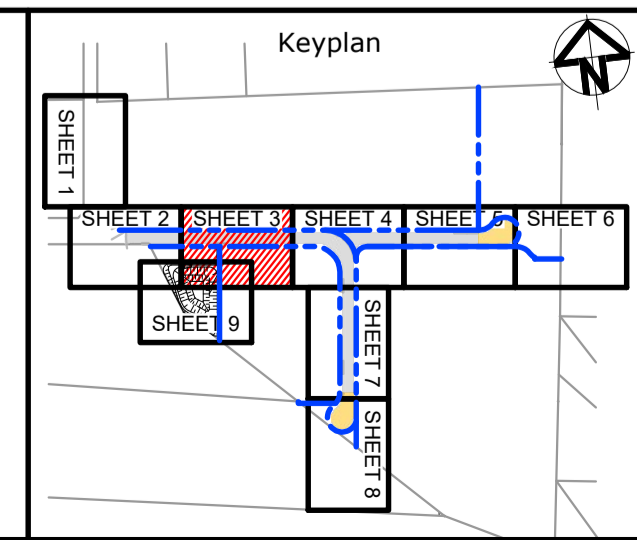
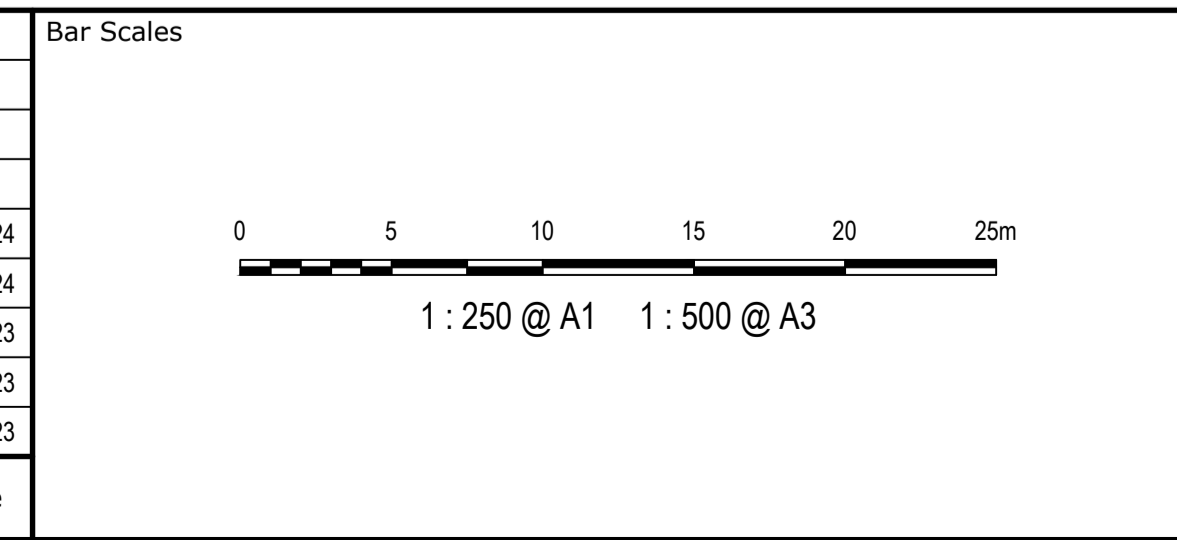
FOR CONTINUATION REFER TO DRAWING C11132.

FOR CONTINUATION REFER TO DRAWING C11134.

**NOTE:**  
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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

**GDA2020**

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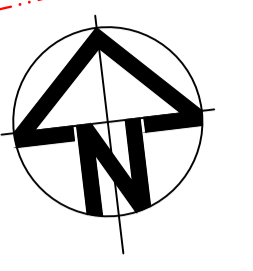
Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**PAVEMENT MARKING AND SIGNPOSTING PLAN SHEET 3**

Civil Engineers and Project Managers

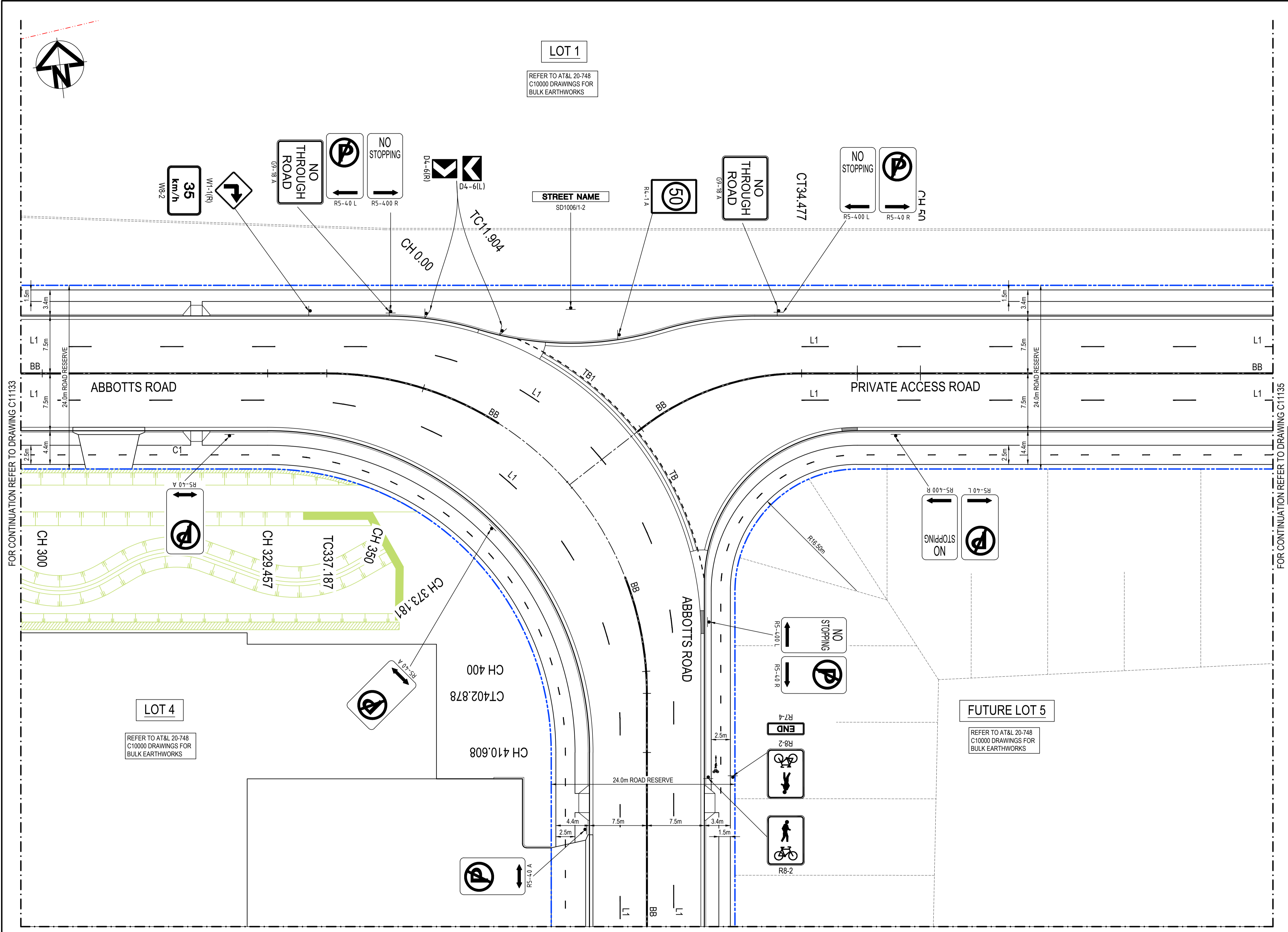
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.at.net.au  
info@at.net.au

Status <b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No. <b>20-748-C11133</b>	Issue <b>5</b>



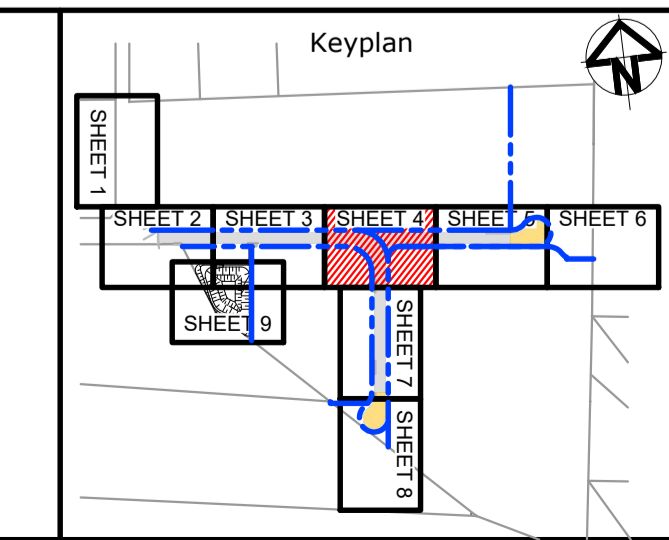
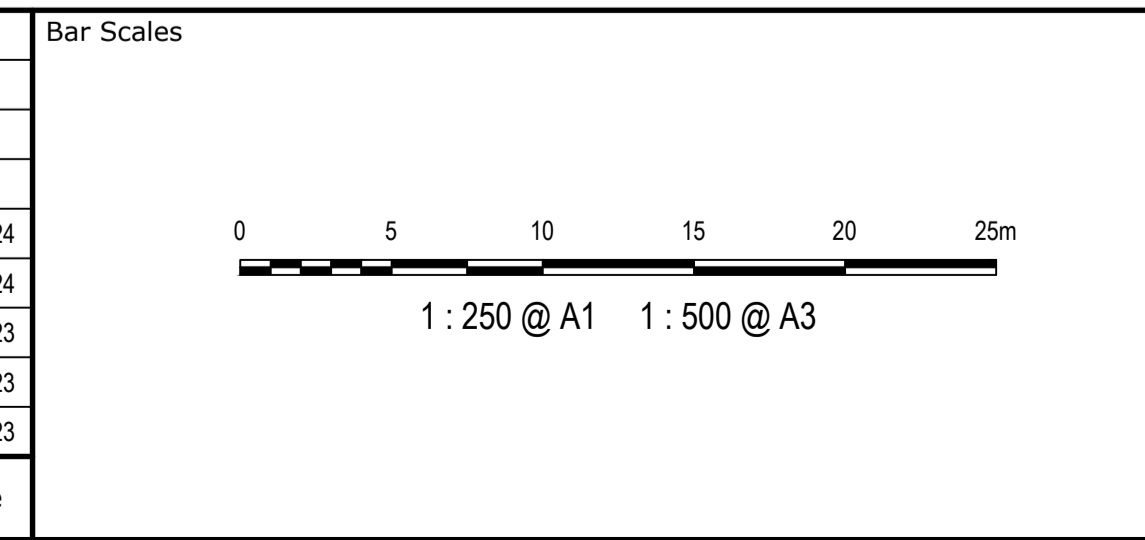
**LOT 1**  
REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

PAVEMENT MARKING SCHEDULE	
<b>LANE LINES</b>	
L1	L1
C1	C1
<b>BARRIER LINES</b>	
BB	BB
<b>GIVEWAY LINES</b>	
TB	TB
TB1	TB1
<b>NOTES:</b>	
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.	
2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.	
3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.	
4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.	
5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.	
6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.	
7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.	



**NOTE:**  
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Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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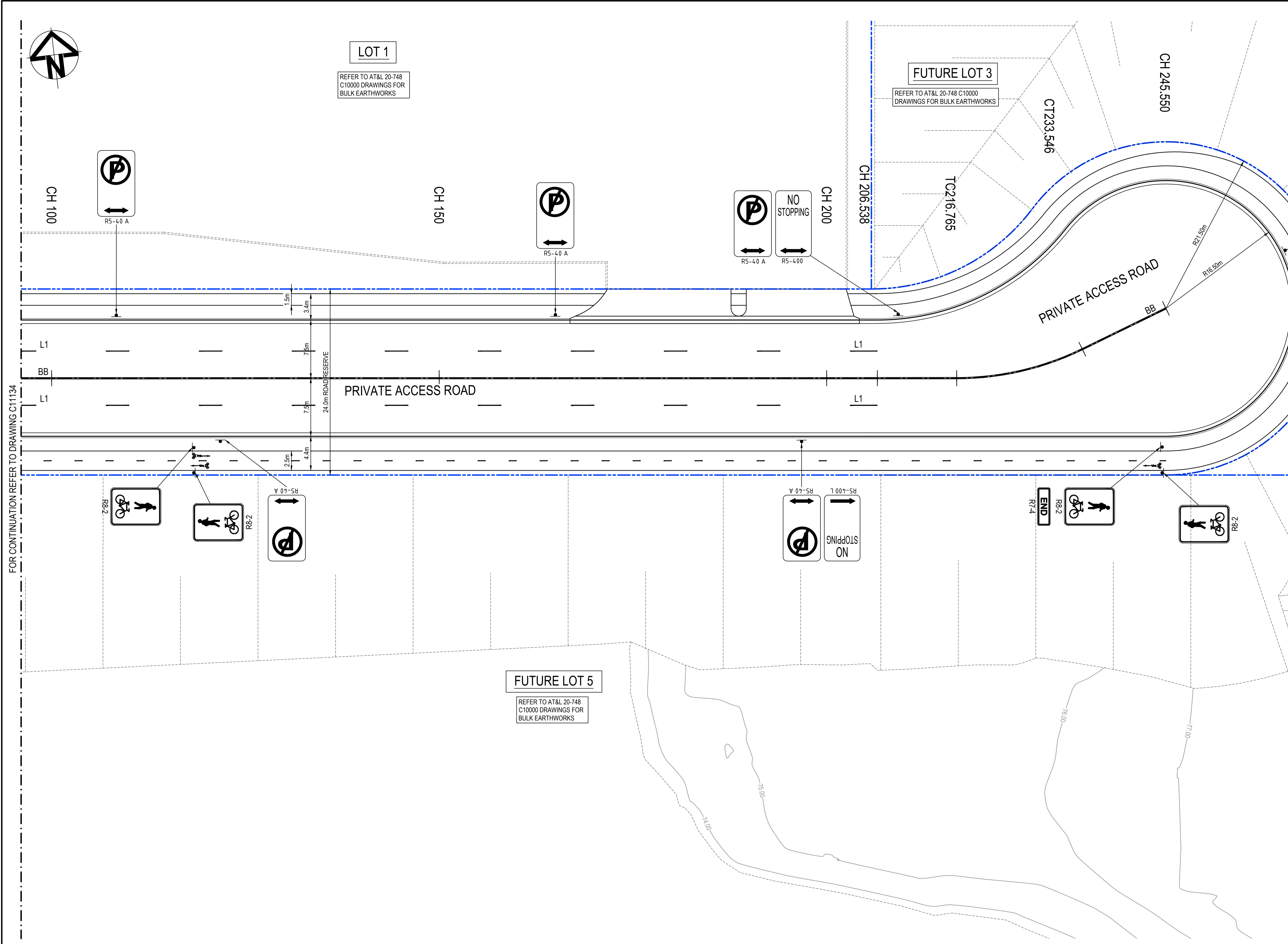
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT MARKING AND SIGNPOSTING 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	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	Issue	<b>5</b>
Project - Drawing No.	<b>20-748-C11134</b>		



**PAVEMENT MARKING SCHEDULE**

LANE LINES	
L1	---
C1	---
BARRIER LINES	
BB	---
GIVEWAY LINES	
TB	---
TB1	---

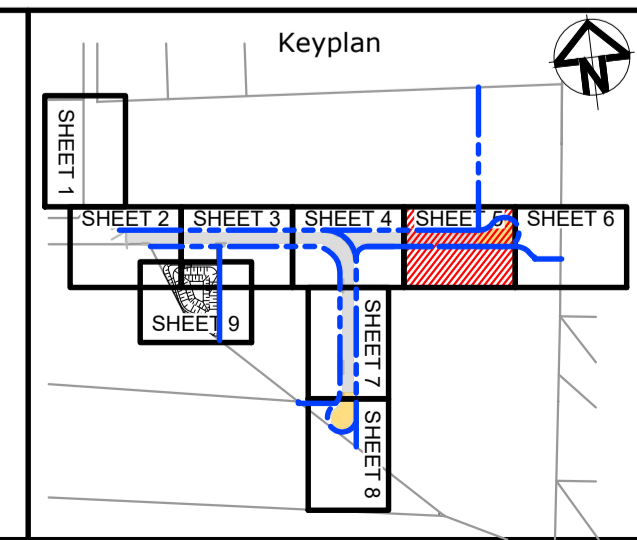
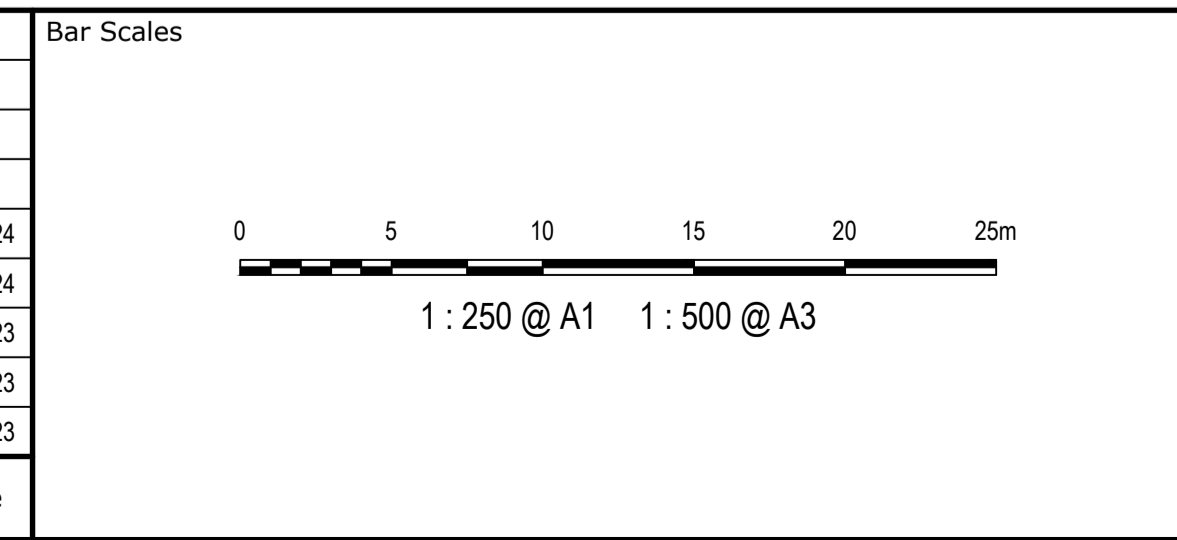
- NOTES:**
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

FOR CONTINUATION REFER TO DRAWING C11134

FOR CONTINUATION REFER TO DRAWING C11136

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

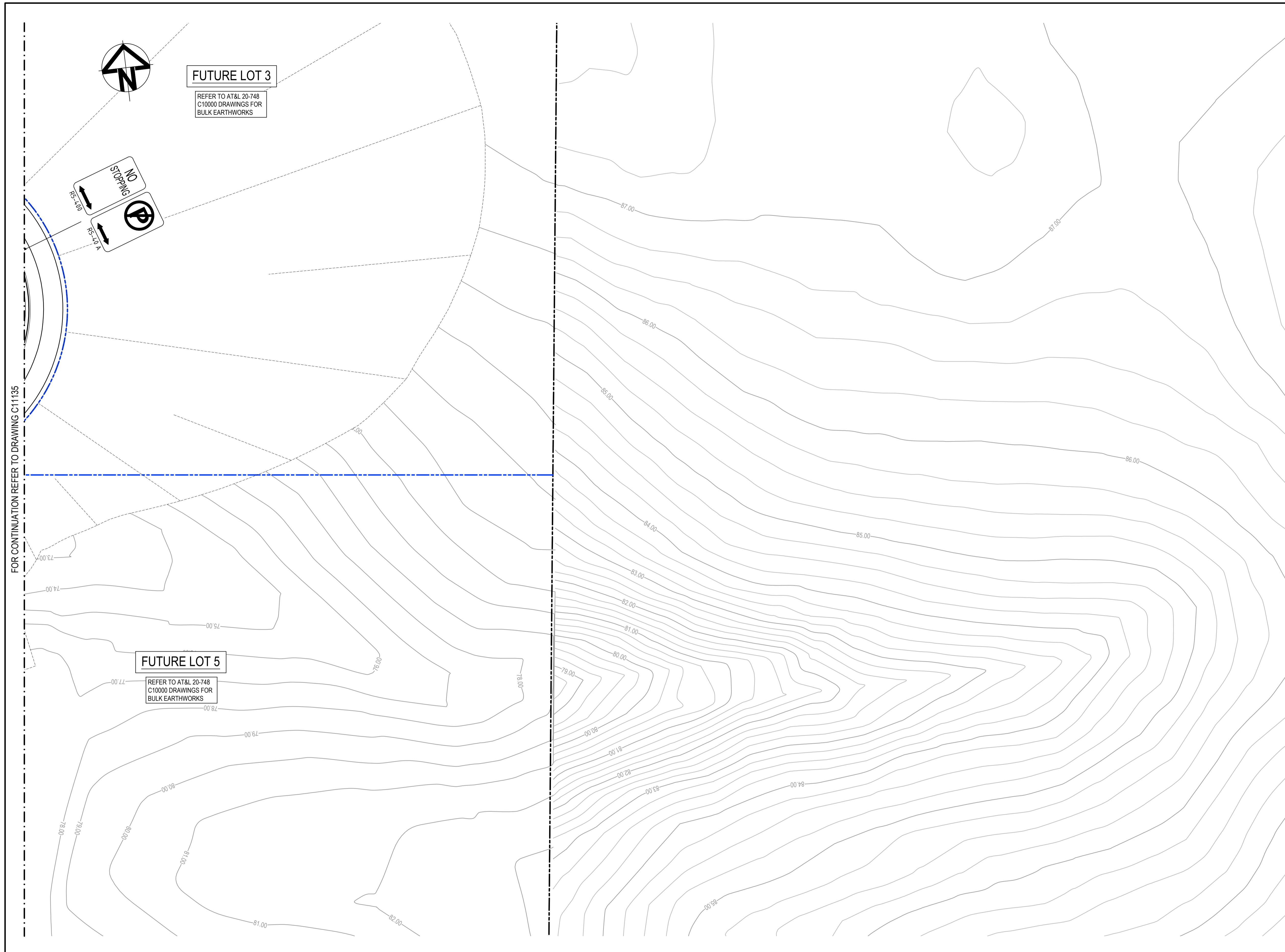
Title

**PAVEMENT MARKING AND SIGNPOSTING PLAN 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.at.net.au  
 info@at.net.au

Status	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11135	Issue
		5



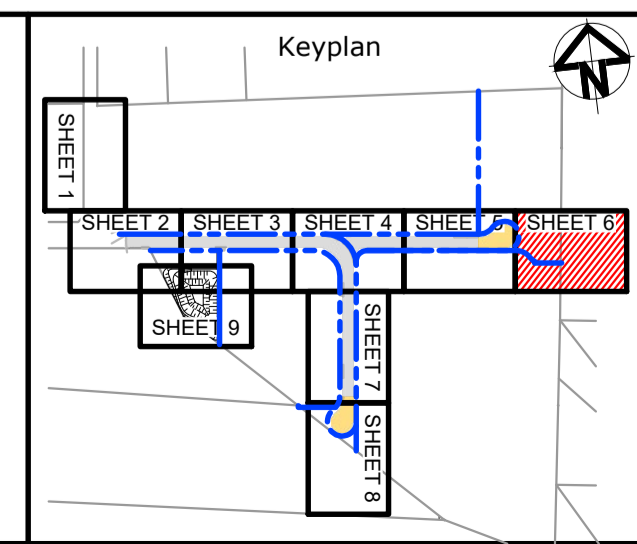
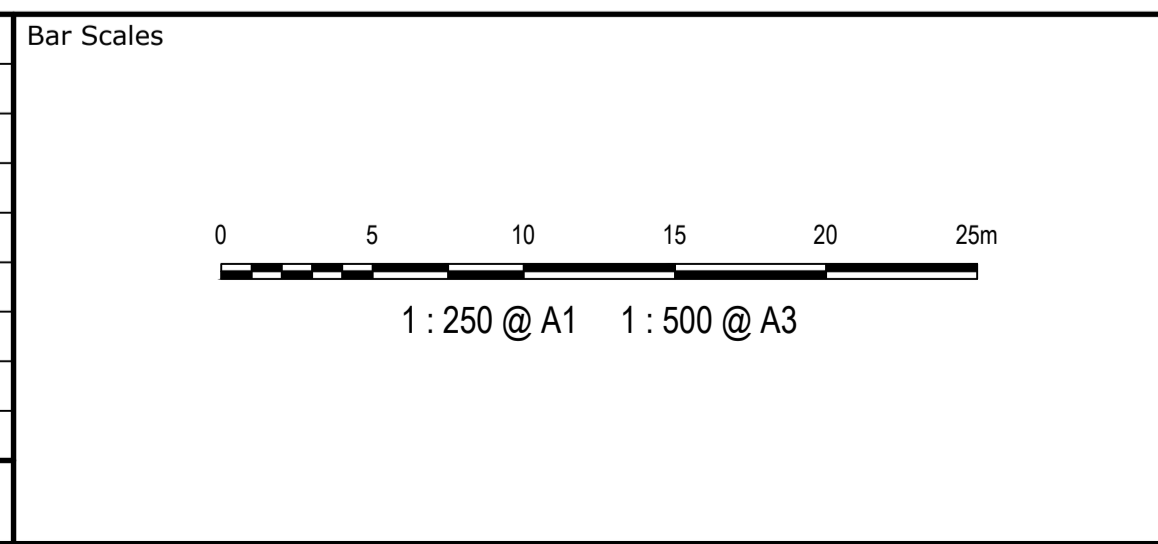
**PAVEMENT MARKING SCHEDULE**

LANE LINES	
L1	—— L1 ——
C1	- - - C1 - - -
BARRIER LINES	
BB	===== BB =====
GIVEWAY LINES	
TB	- - - - - TB - - - - -
TB1	- - - - - TB1 - - - - -

- NOTES:**
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



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

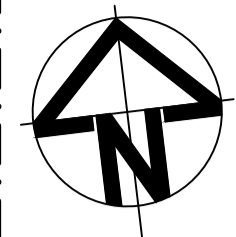
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT MARKING AND SIGNPOSTING 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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11136	Issue
		5



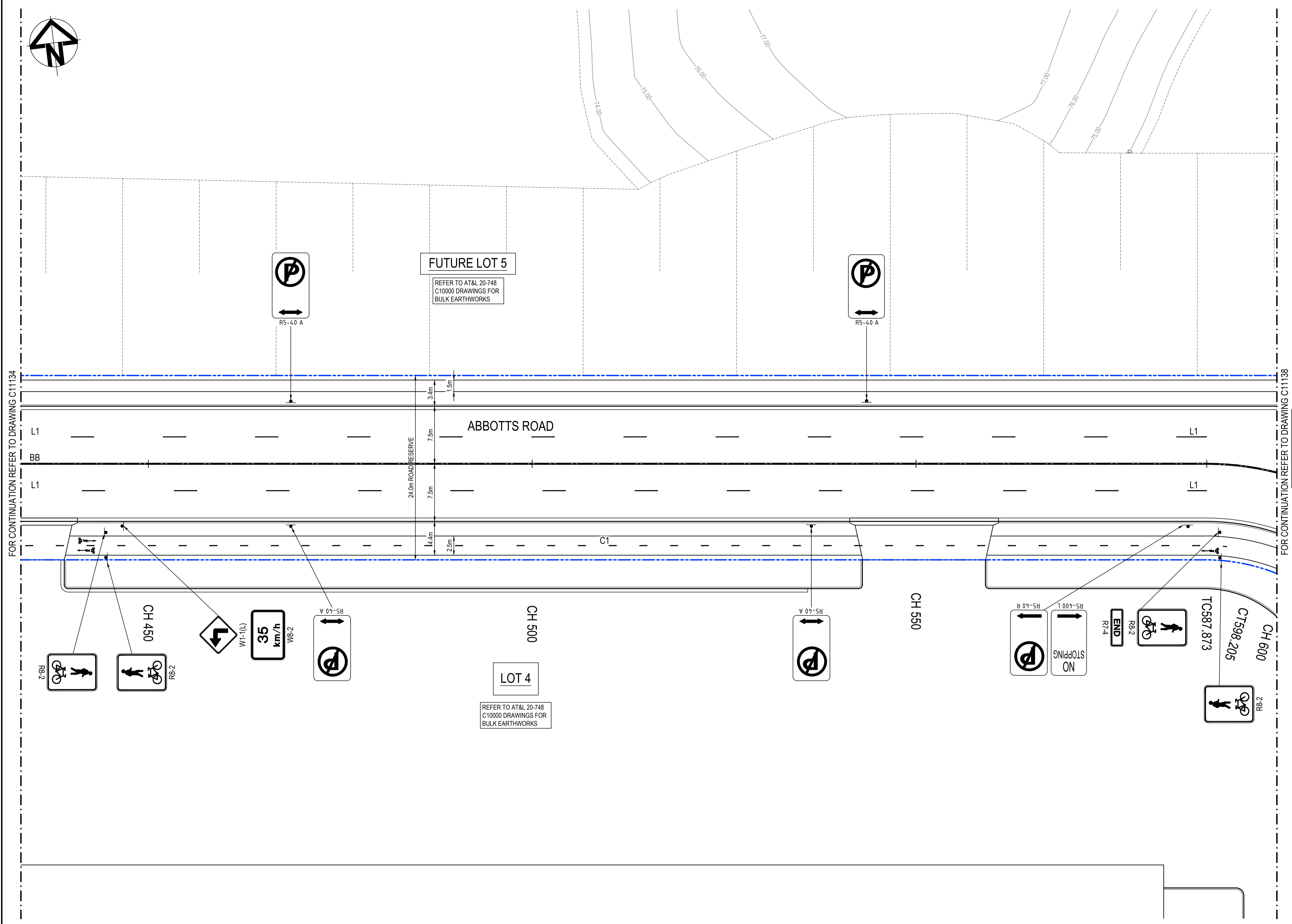
**PAVEMENT MARKING SCHEDULE**

<b>LANE LINES</b>	
L1	L1
C1	C1
<b>BARRIER LINES</b>	
BB	BB
<b>GIVEWAY LINES</b>	
TB	TB
TB1	TB1

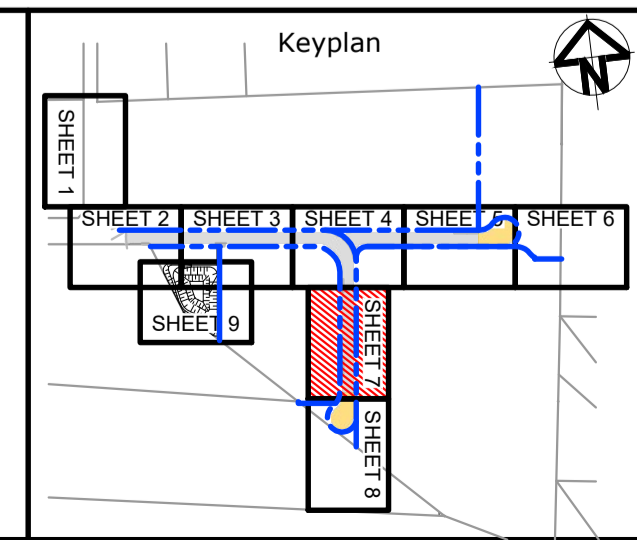
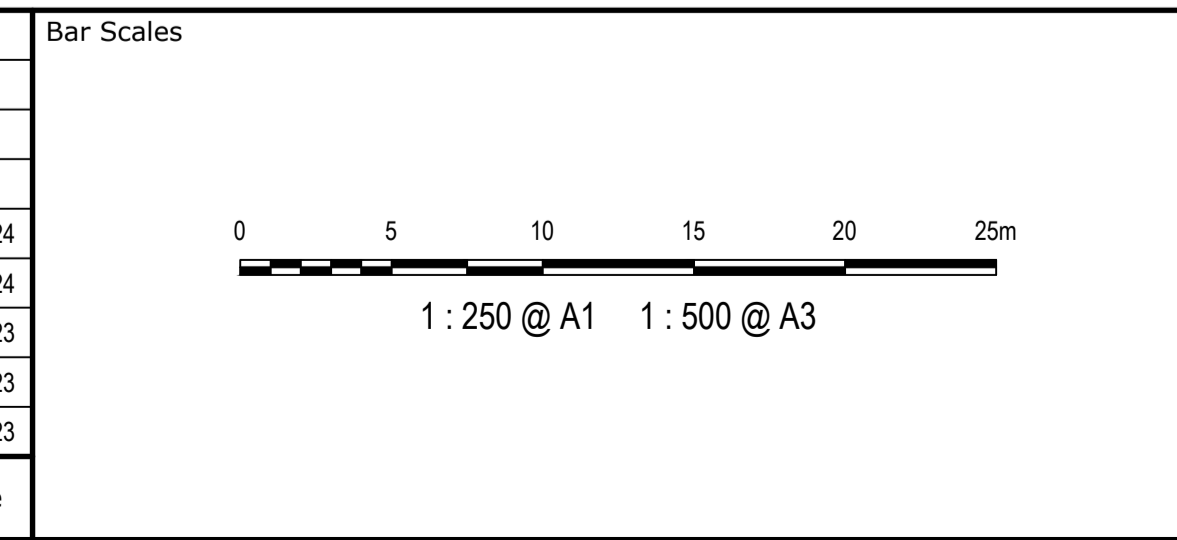
- NOTES:**
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

FOR CONTINUATION REFER TO DRAWING C11134

FOR CONTINUATION REFER TO DRAWING C11138



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

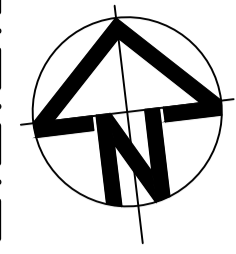
Title

**PAVEMENT MARKING AND SIGNPOSTING PLAN SHEET 7**

Civil Engineers and Project Managers

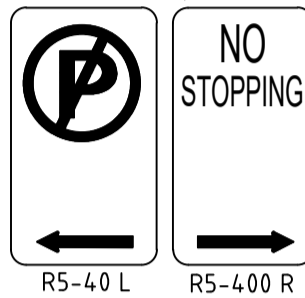
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.at.net.au  
info@at.net.au

Status	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	20-748-C11137	Issue
		5



**FUTURE LOT 5**

REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS



RS-40 L RS-400 R

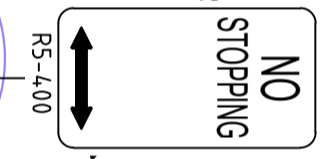
FOR CONTINUATION REFER TO DRAWING C11137

ABBOTTS ROAD

BB

R18.00m

R16.50m



RS-400

CONSTRUCT TEMPORARY BATTER ACROSS BOUNDARY  
WITHIN STAGE 2 LANDS (OWNED BY ESR).  
(CONSTRUCTED AS PART OF STAGE 1 BULK EARTHWORKS)

LOT 4

CH 625.657

FUTURE LOT 6

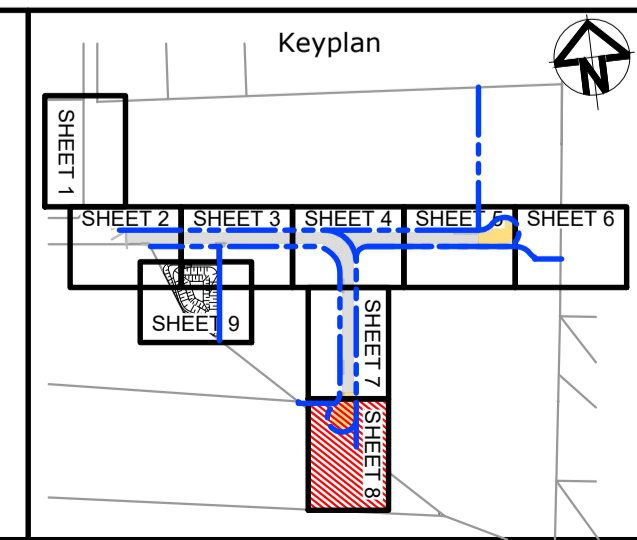
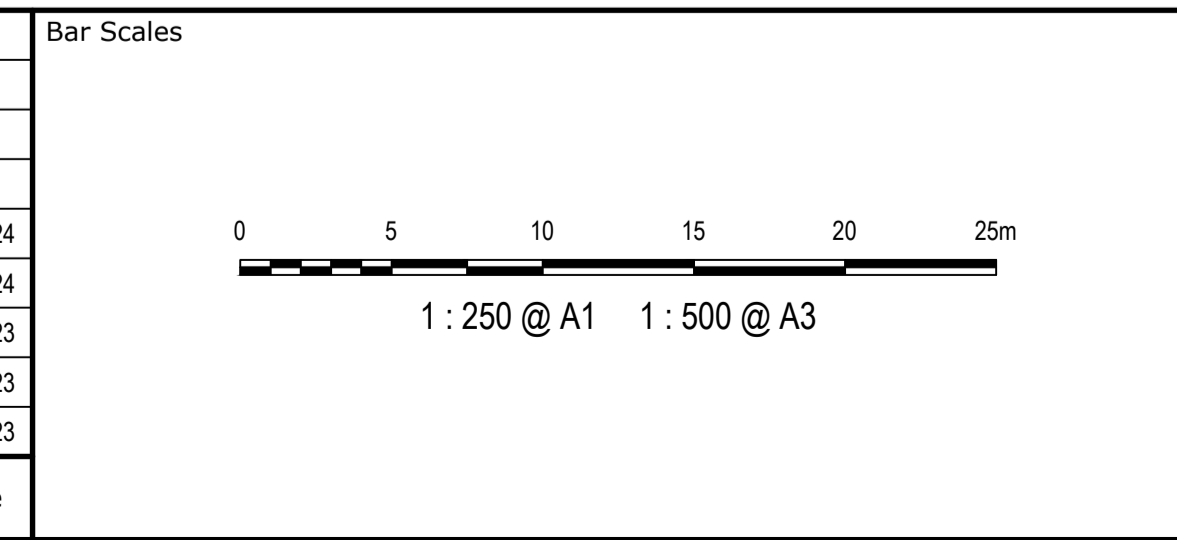
**PAVEMENT MARKING SCHEDULE**

LANE LINES	
L1	L1
C1	C1
BARRIER LINES	
BB	BB
GIVEWAY LINES	
TB	TB
TB1	TB1

- NOTES:**
- ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  - ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  - TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  - RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  - REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  - PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  - ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



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

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT MARKING AND SIGNPOSTING PLAN SHEET 8**

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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11138	Issue
		5

FOR CONTINUATION REFER TO DRAWING C11132

FOR CONTINUATION REFER TO DRAWING C11123



**LOT 4**  
REFER TO AT&L 20-748  
C10000 DRAWINGS FOR  
BULK EARTHWORKS

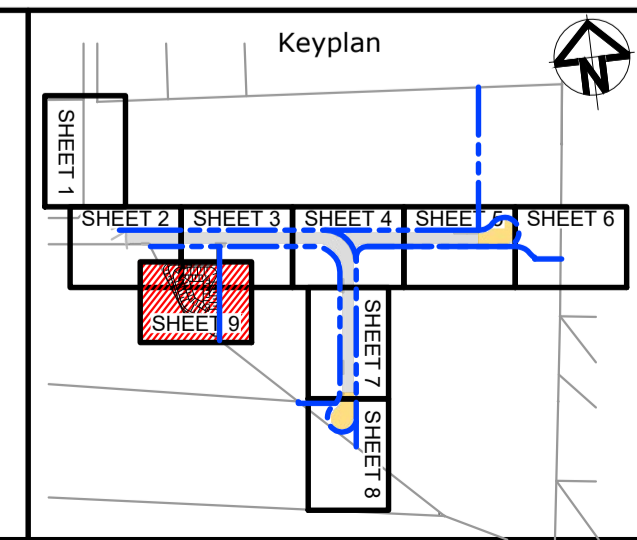
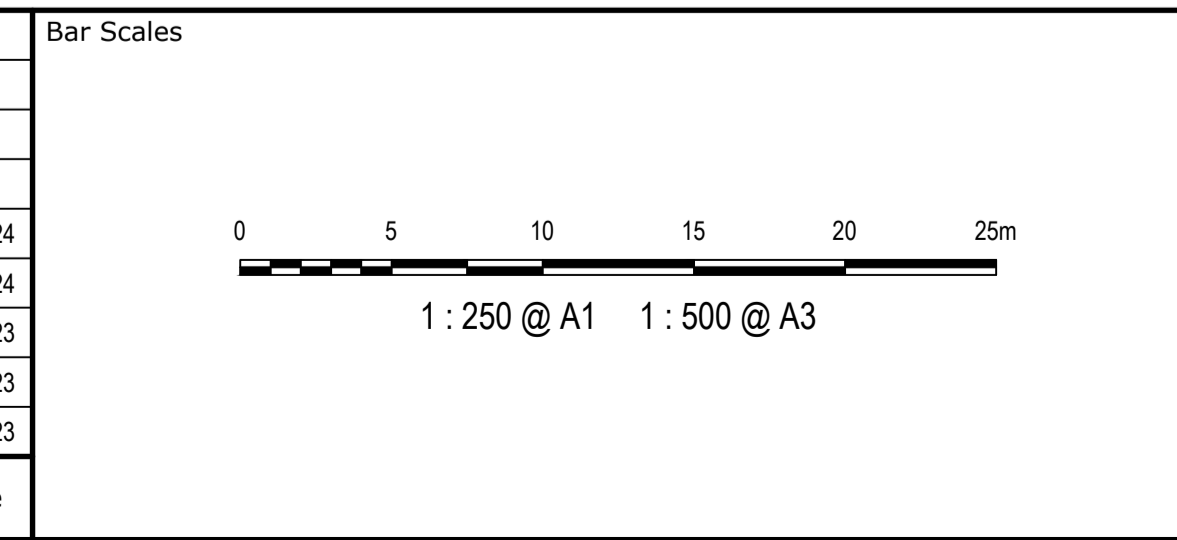
**PAVEMENT MARKING SCHEDULE**

<b>LANE LINES</b>	
L1	L1
C1	C1
<b>BARRIER LINES</b>	
BB	BB
<b>GIVEWAY LINES</b>	
TB	TB
TB1	TB1

- NOTES:**
1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
  2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
  3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
  4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
  5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
  6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
  7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

**NOTE:**  
1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **PAVEMENT MARKING AND SIGNPOSTING PLAN SHEET 9**

Civil Engineers and Project Managers

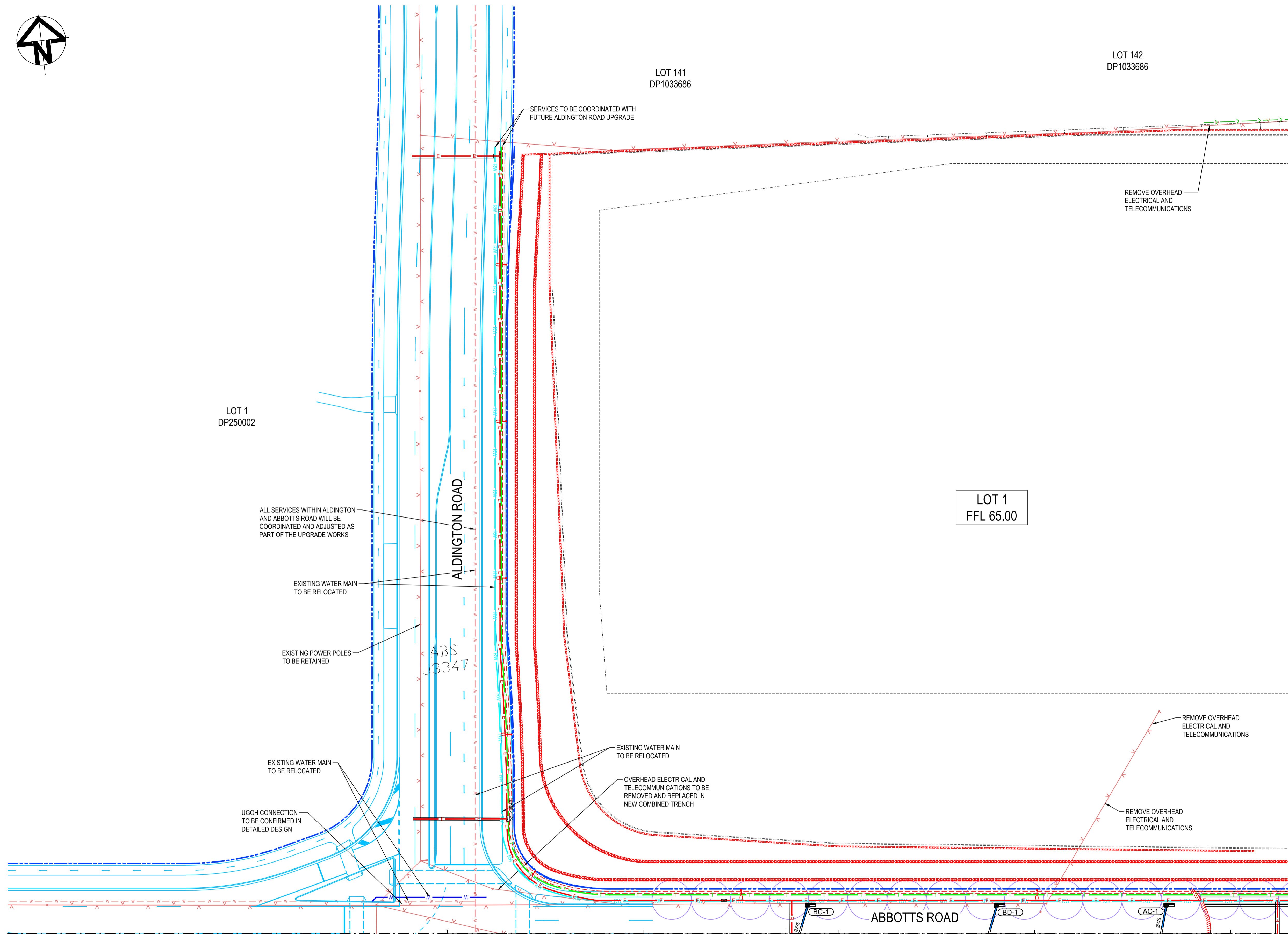
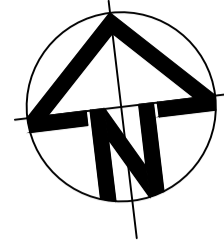
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Status	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	<b>20-748-C11139</b>	Issue
		<b>5</b>

**GDA2020**

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**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

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

**STORMWATER - PROPOSED**

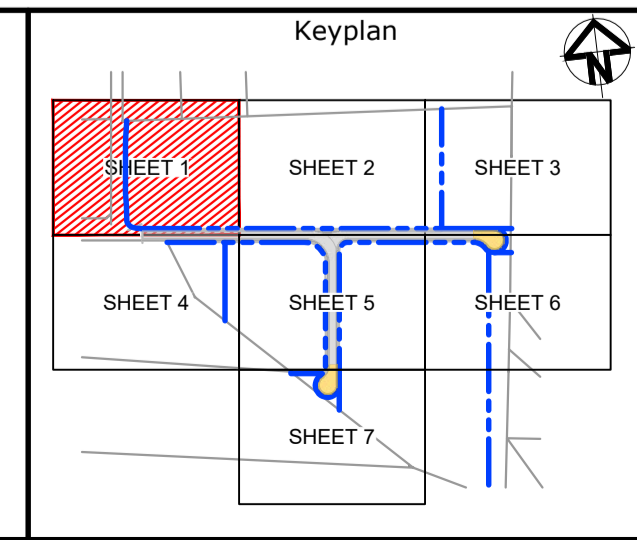
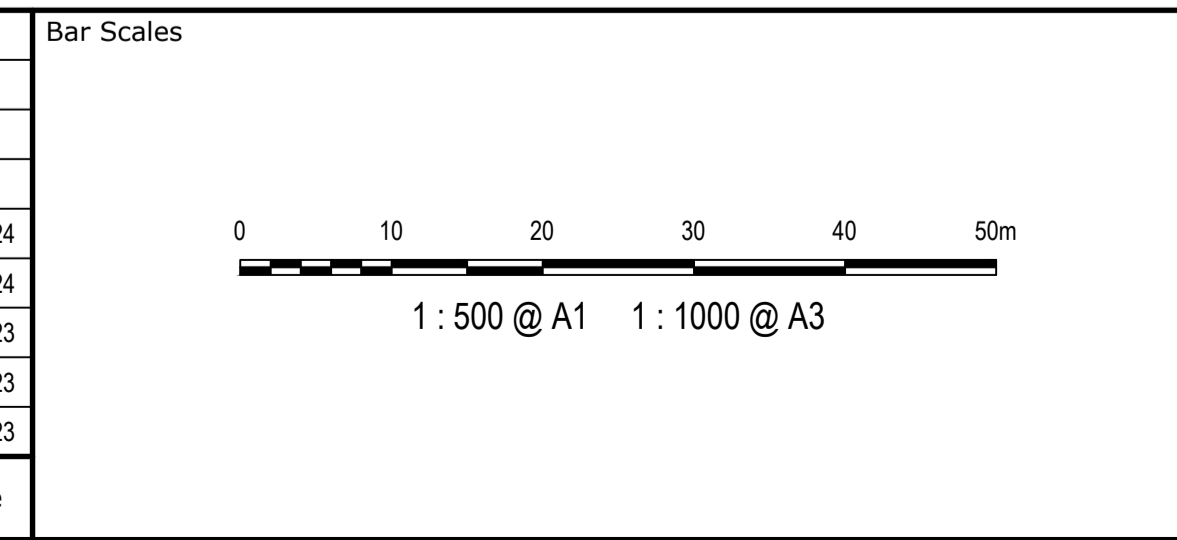
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

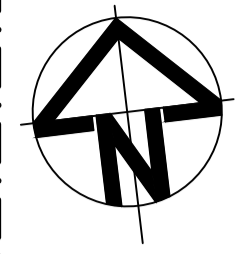
Title

**SERVICES AND UTILITIES CO-ORDINATION 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	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11141	Issue
		5



LOT 15  
DP253503

LOT 1  
FFL 65.00

REMOVE OVERHEAD  
ELECTRICAL AND  
TELECOMMUNICATIONS

REMOVE OVERHEAD  
ELECTRICAL AND  
TELECOMMUNICATIONS

FOR CONTINUATION REFER TO DRAWING C11141

FOR CONTINUATION REFER TO DRAWING C11143

**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE REMOVED
- - - EXISTING ELECTRICITY
- - - PROPOSED BOUNDARY
- - - PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

- S SEWER SERVICE
- W WATER MAIN
- RW RECYCLED WATER
- E HV POWER
- LV LV POWER
- T TELECOMMUNICATION CONDUITS
- STREET LIGHTING

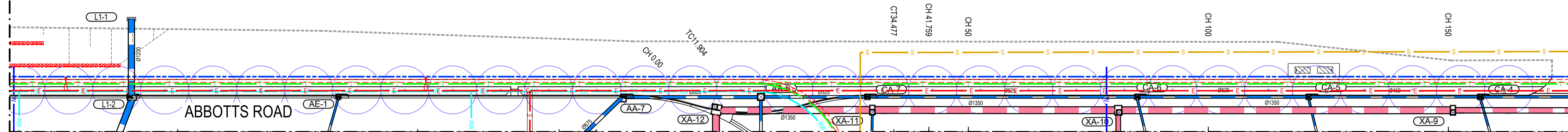
**STORMWATER - PROPOSED**

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

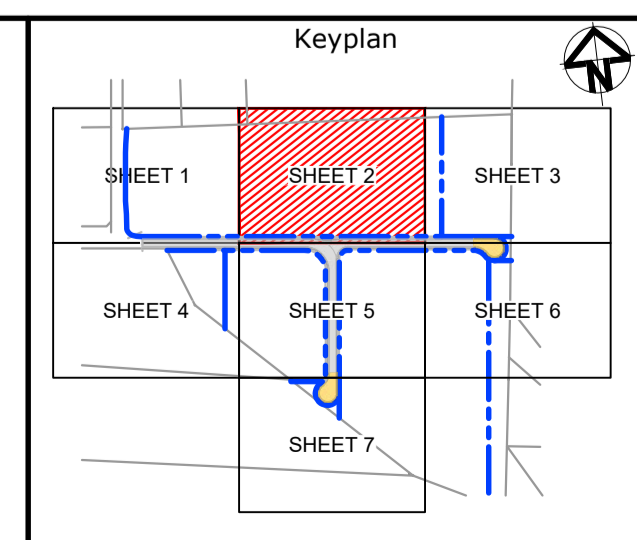
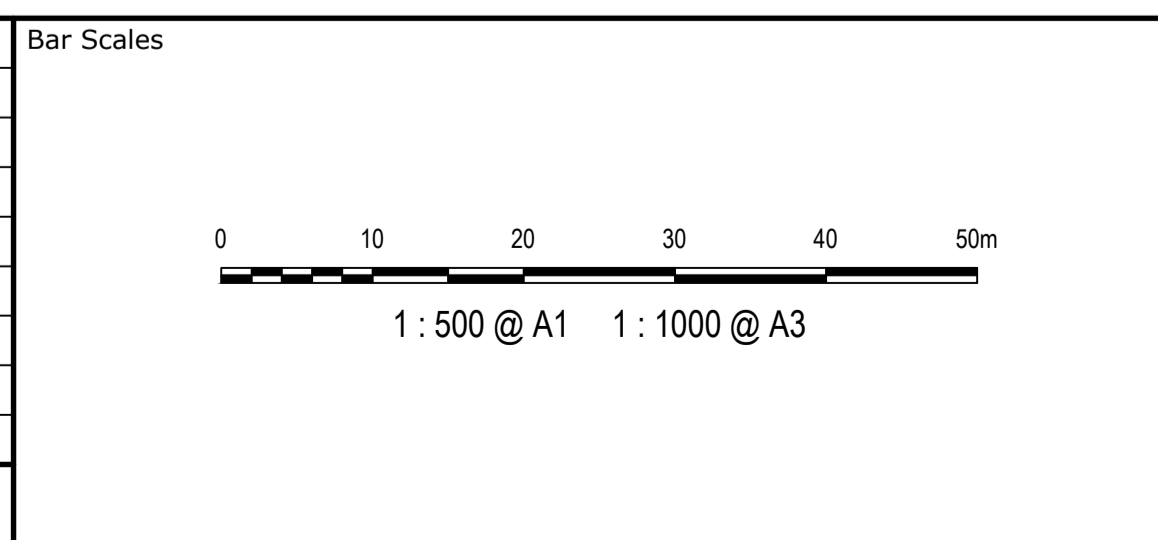
- - - ELECTRICITY LINE
- - - ELECTRICITY OVERHEAD
- - - WATER
- - - STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS



FOR CONTINUATION REFER TO DRAWING C11145

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

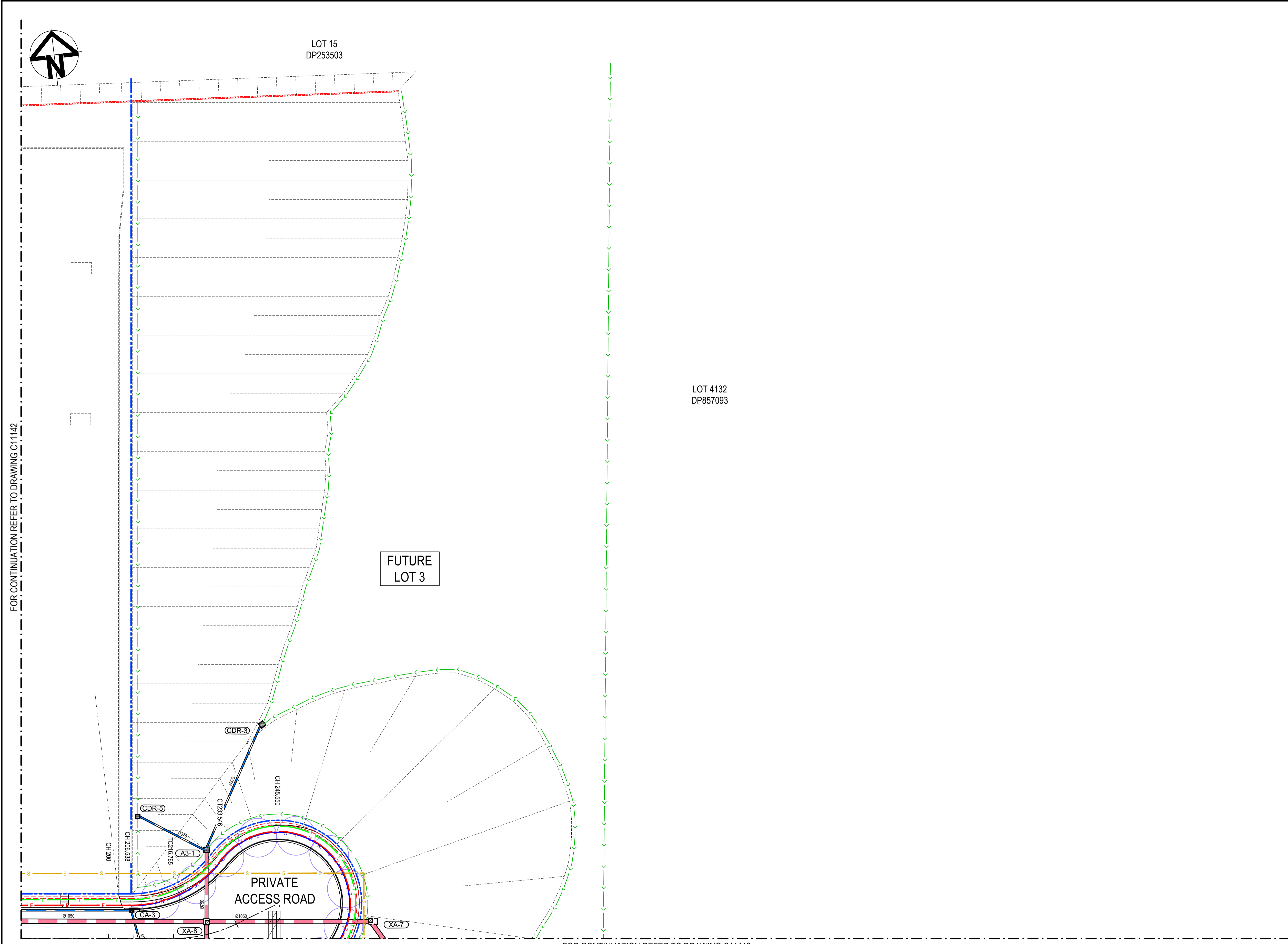
Title

**SERVICES AND UTILITIES CO-ORDINATION 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	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11142	Issue
		5



**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE REMOVED
- - - EXISTING ELECTRICITY
- - - PROPOSED BOUNDARY
- - - PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

- S SEWER SERVICE
- W WATER MAIN
- RW RECYCLED WATER
- E HV POWER
- LV LV POWER
- T TELECOMMUNICATION CONDUITS
- STREET LIGHTING

**STORMWATER - PROPOSED**

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

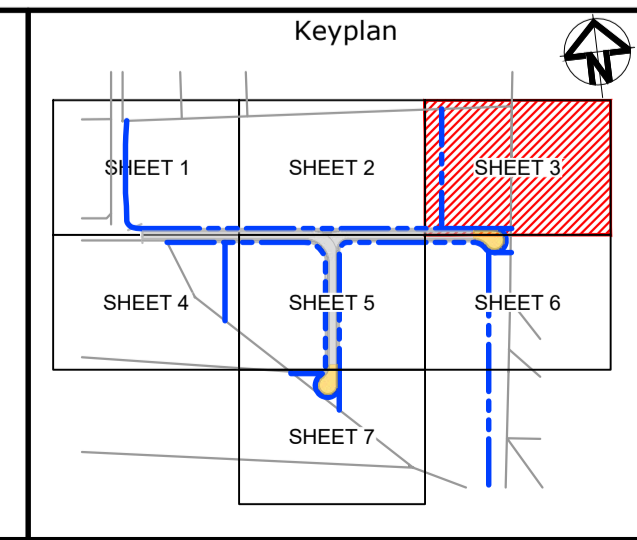
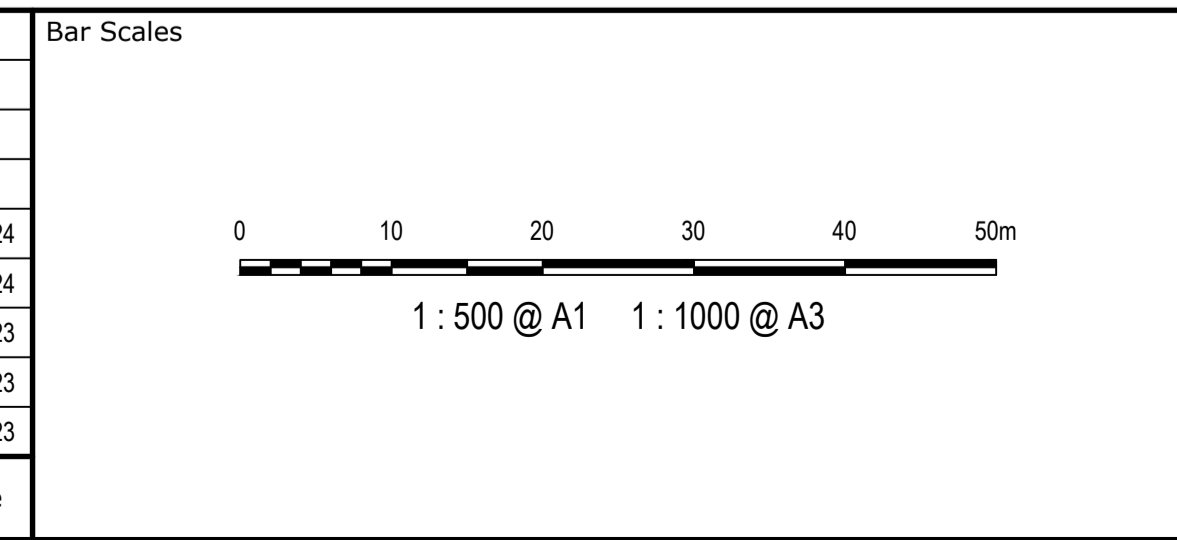
- - - ELECTRICITY LINE
- - - ELECTRICITY OVERHEAD
- - - WATER
- - - STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

FOR CONTINUATION REFER TO DRAWING C11142

FOR CONTINUATION REFER TO DRAWING C11146

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title

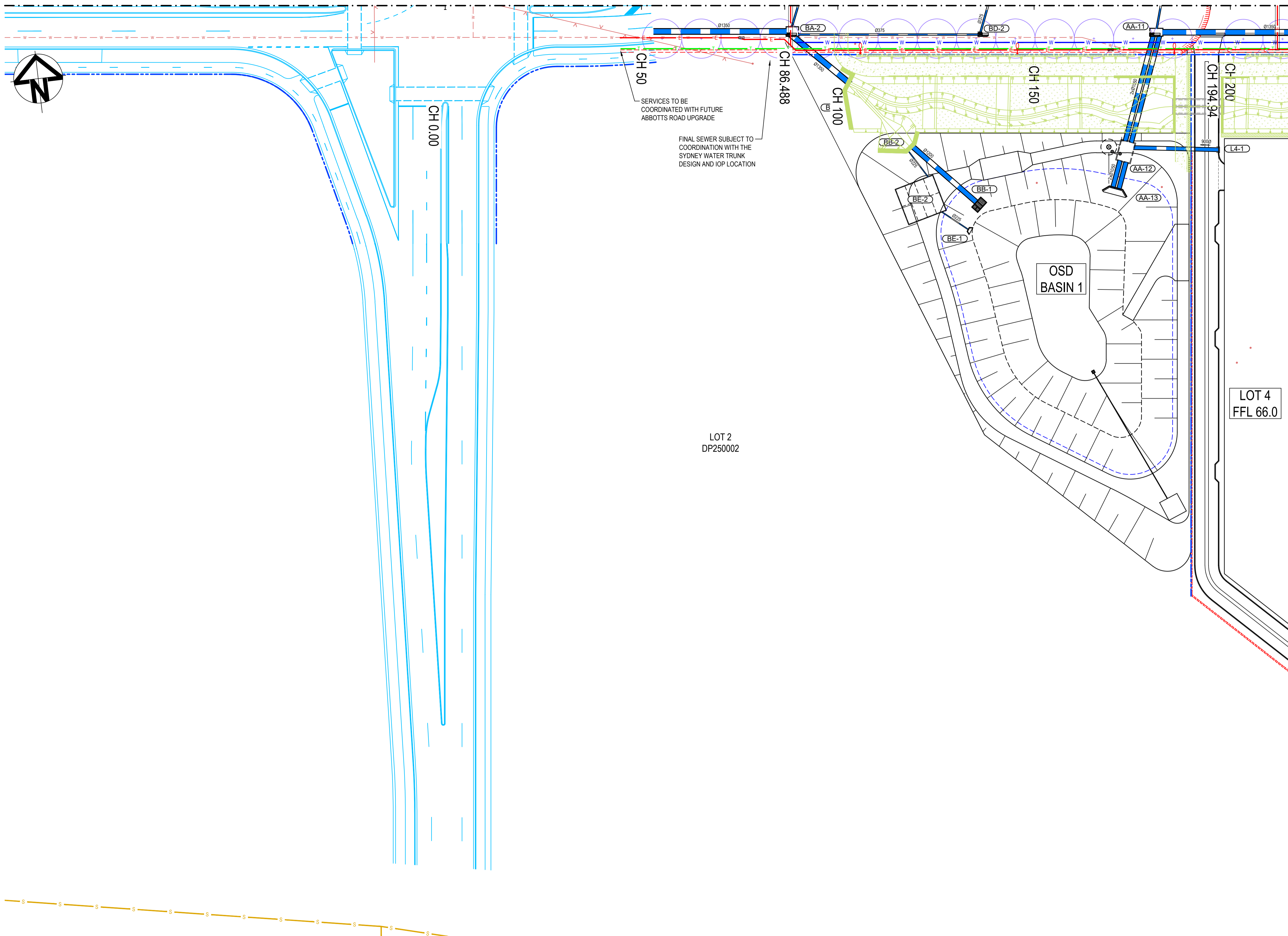
**SERVICES AND UTILITIES CO-ORDINATION PLAN SHEET 3**

Civil Engineers and Project Managers

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

Status	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11143	Issue
		5

FOR CONTINUATION REFER TO DRAWING C11141



**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

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

**STORMWATER - PROPOSED**

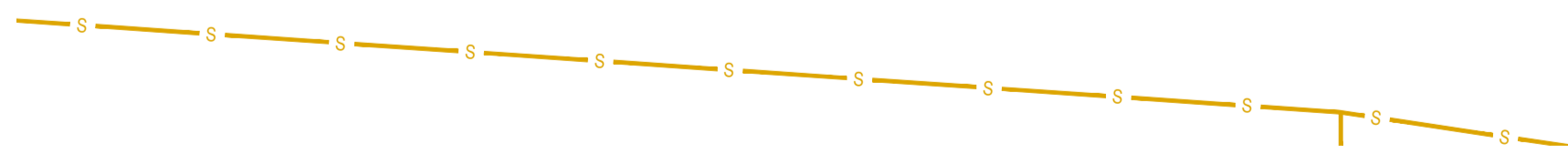
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

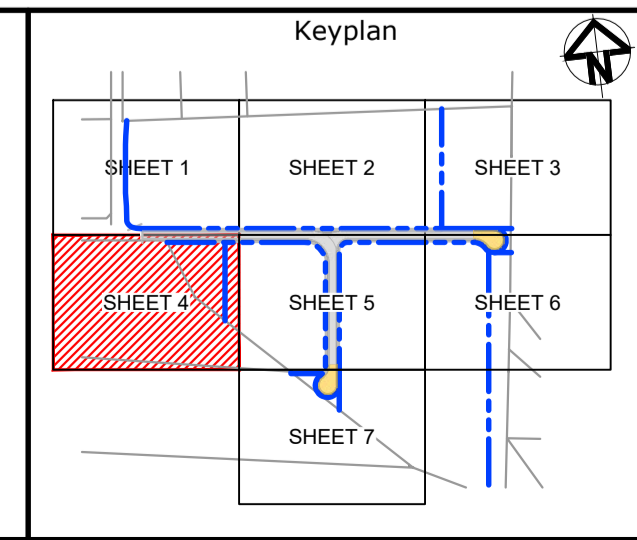
FOR CONTINUATION REFER TO DRAWING C11145



Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

1 : 500 @ A1    1 : 1000 @ A3



Client

Scales 1 : 500	Drawn	LM
	Designed	LM
	Checked	AT
Grid MGA2020	Approved	
Height Datum AHD		
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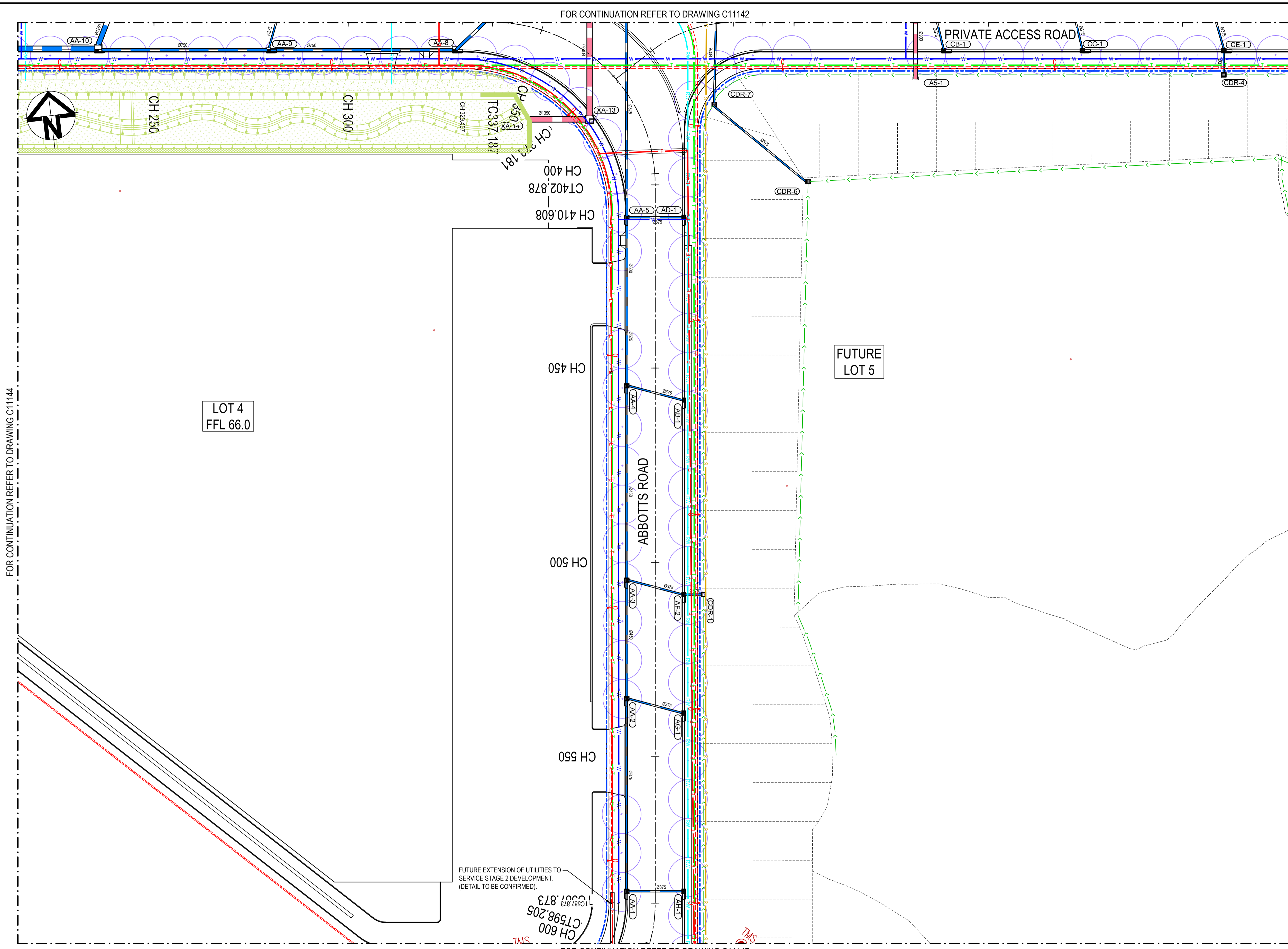
Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**SERVICES AND UTILITIES CO-ORDINATION 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 <b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No. <b>20-748-C11144</b>	Issue <b>5</b>



**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

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

**STORMWATER - PROPOSED**

- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

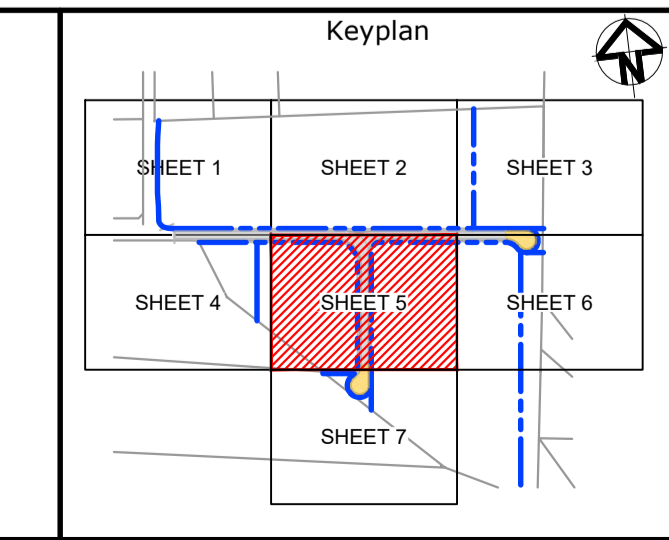
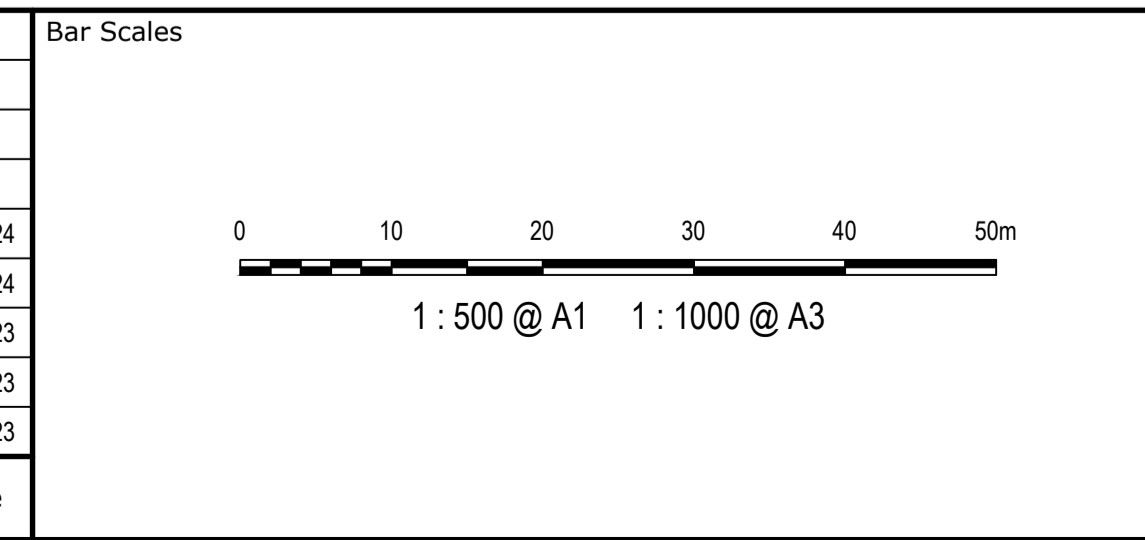
- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

FOR CONTINUATION REFER TO DRAWING C11144

FOR CONTINUATION REFER TO DRAWING C11146

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

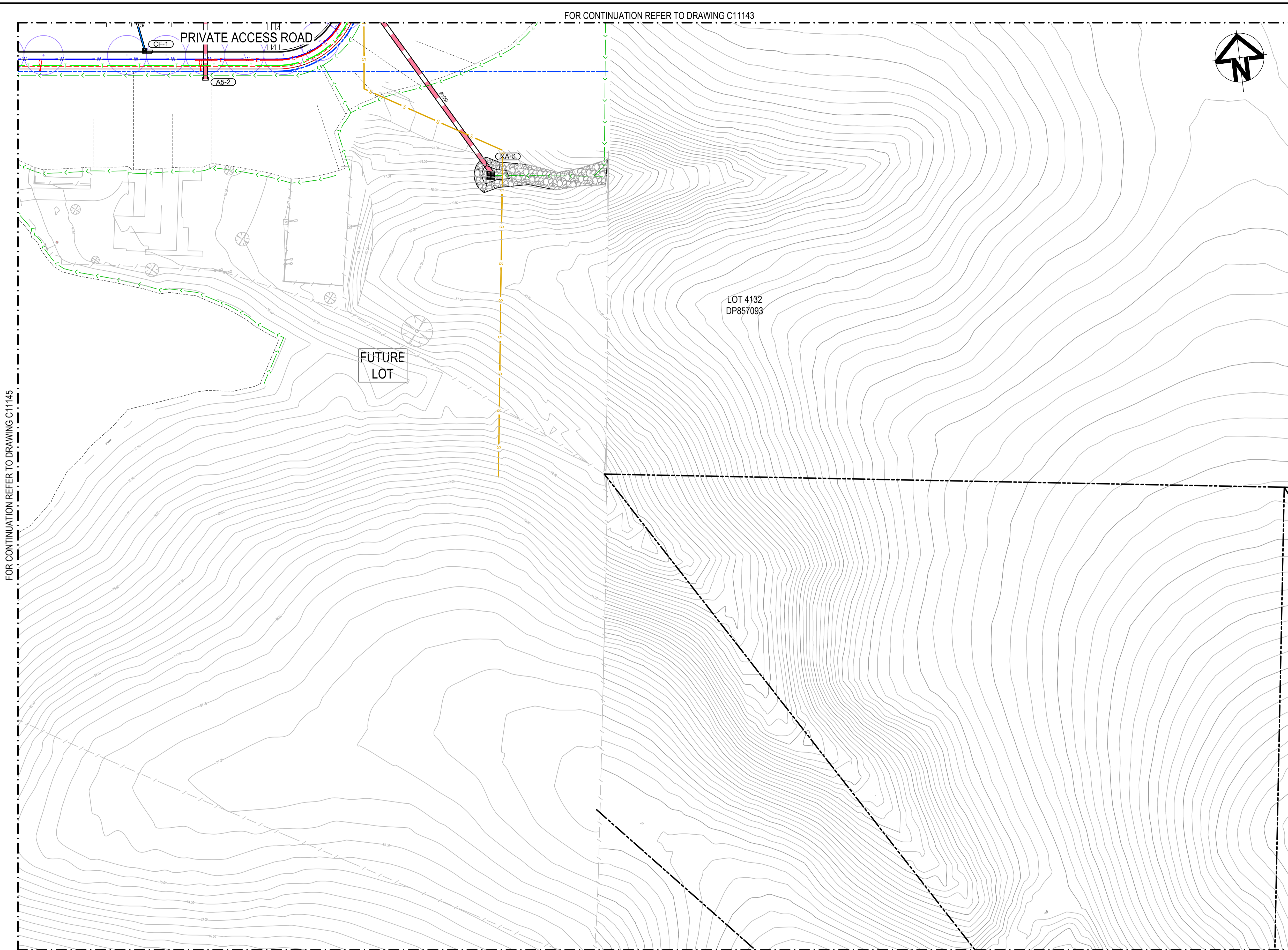
Title

**SERVICES AND UTILITIES CO-ORDINATION PLAN 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	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	20-748-C11145	Issue
		5



FOR CONTINUATION REFER TO DRAWING C11145

FOR CONTINUATION REFER TO DRAWING C11143

FOR CONTINUATION REFER TO DRAWING C11148

**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE REMOVED
- - - EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- - - PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

- S SEWER SERVICE
- W WATER MAIN
- RW RECYCLED WATER
- E HV POWER
- LV LV POWER
- T TELECOMMUNICATION CONDUITS
- STREET LIGHTING

**STORMWATER - PROPOSED**

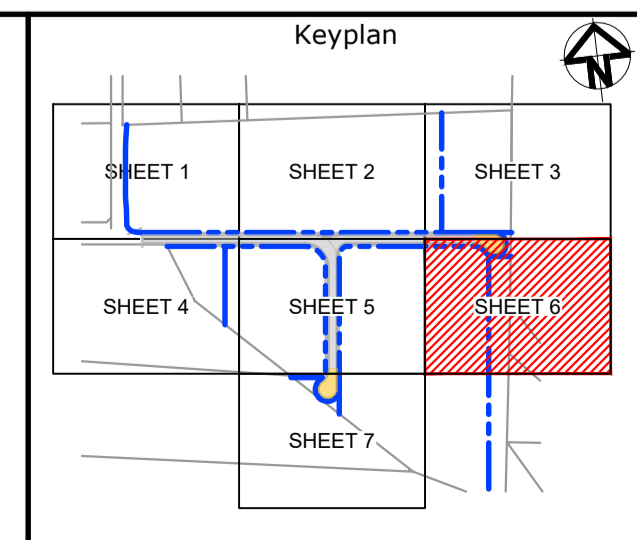
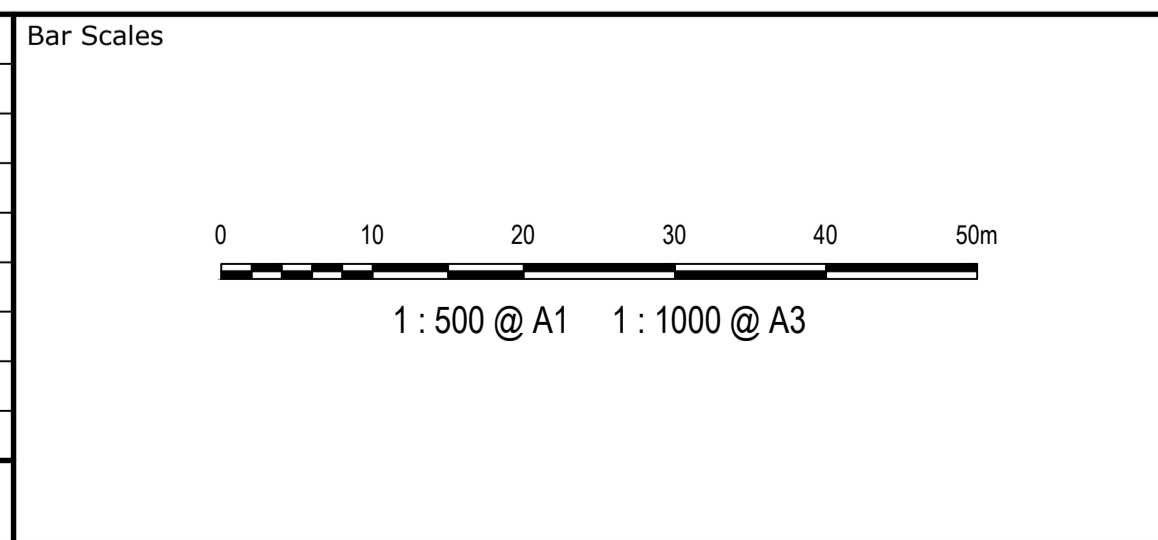
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

- - - ELECTRICITY LINE
- - - ELECTRICITY OVERHEAD
- - - WATER
- - - SW - - - SW STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

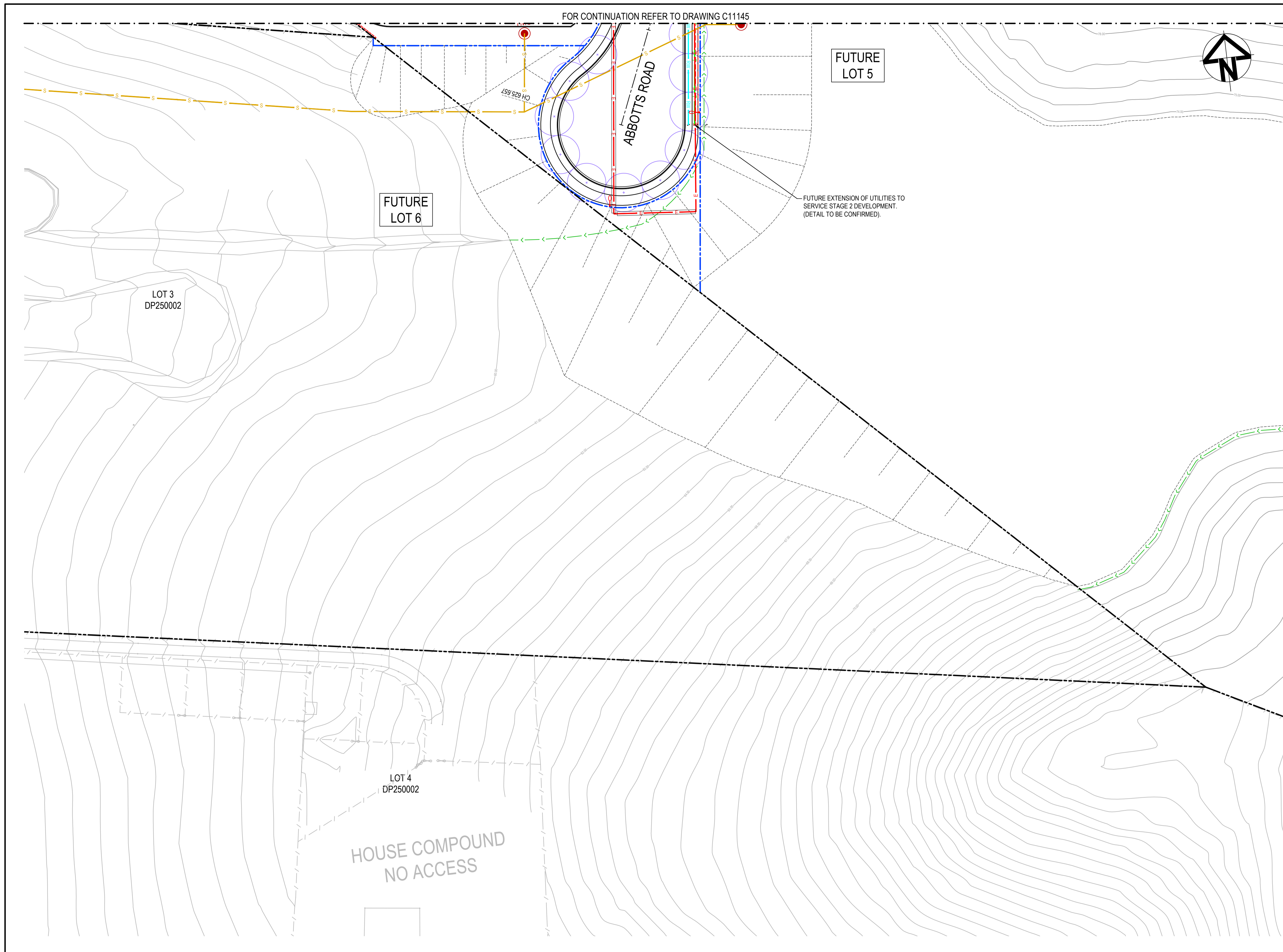
Title

**SERVICES AND UTILITIES CO-ORDINATION 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	<b>FOR APPROVAL</b>	A1
Project - Drawing No.	20-748-C11146	Issue
		5



**LEGEND:**

**GENERAL**

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING ELECTRICITY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ALDINGTON / ABBOTTS RD UPGRADE. NOT PART OF THIS SCOPE OF WORKS.
- INDICATIVE POND LAYOUT
- PROPOSED RETAINING WALL

**UTILITIES - PROPOSED**

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

**STORMWATER - PROPOSED**

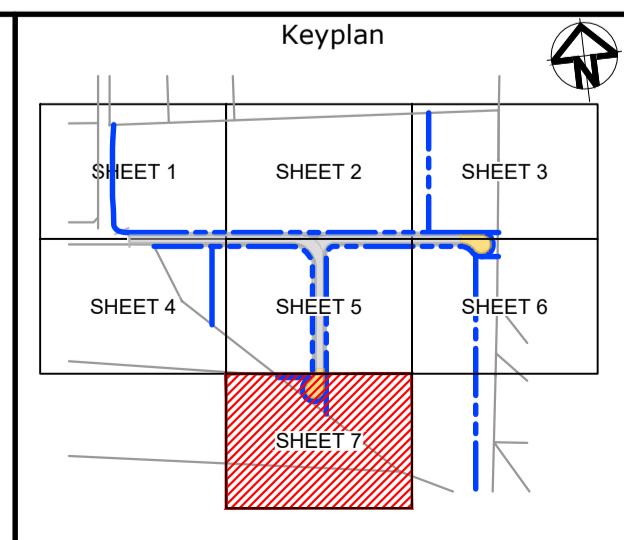
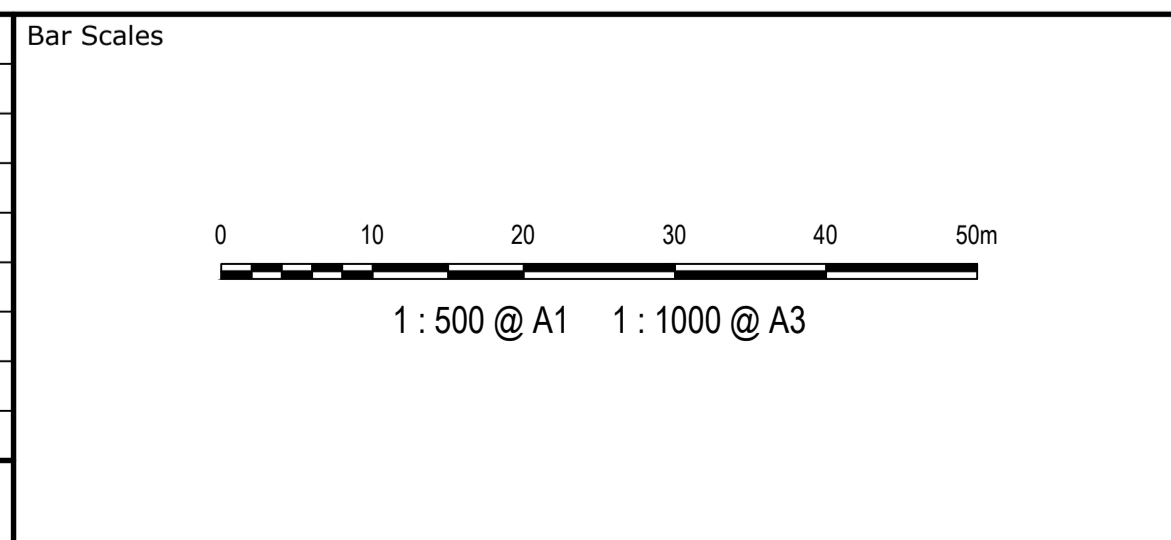
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPSTREAM STORMWATER CATCHMENT DIVERSION LINE
- PROPOSED ESTATE STREET TREE. REFER TO SITE IMAGE DRAWINGS FOR DETAILS.

**UTILITIES - EXISTING**

- ELECTRICITY LINE
- ELECTRICITY OVERHEAD
- WATER
- STORMWATER

**NOTE**  
REFER TO TYPICAL ROAD SECTIONS ON DRG C11010 & C11011 FOR DIMENSIONS OF SERVICE ALLOCATIONS

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

Scales	1 : 500	Drawn	LM
		Designed	LM
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	
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Project

**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

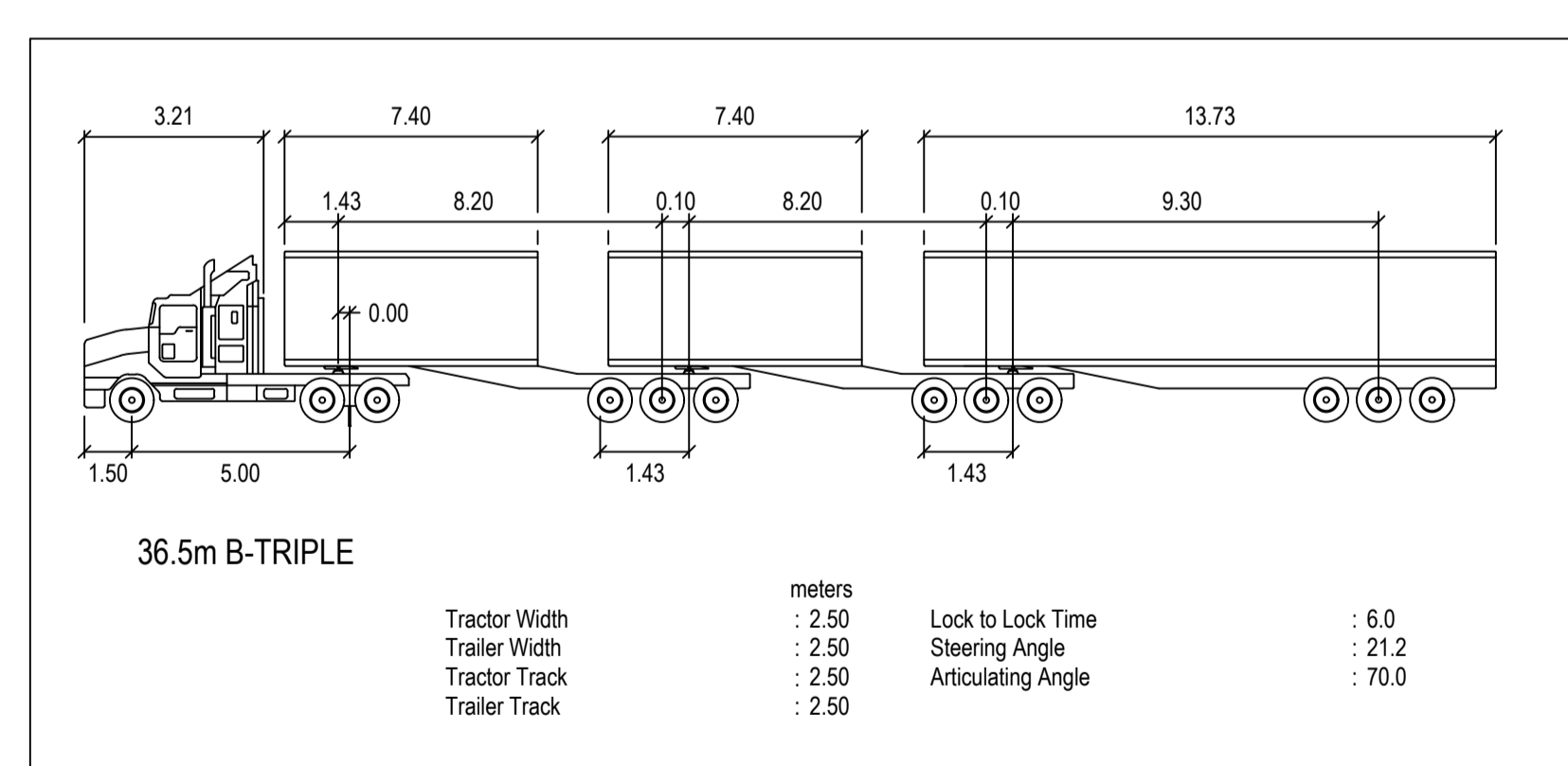
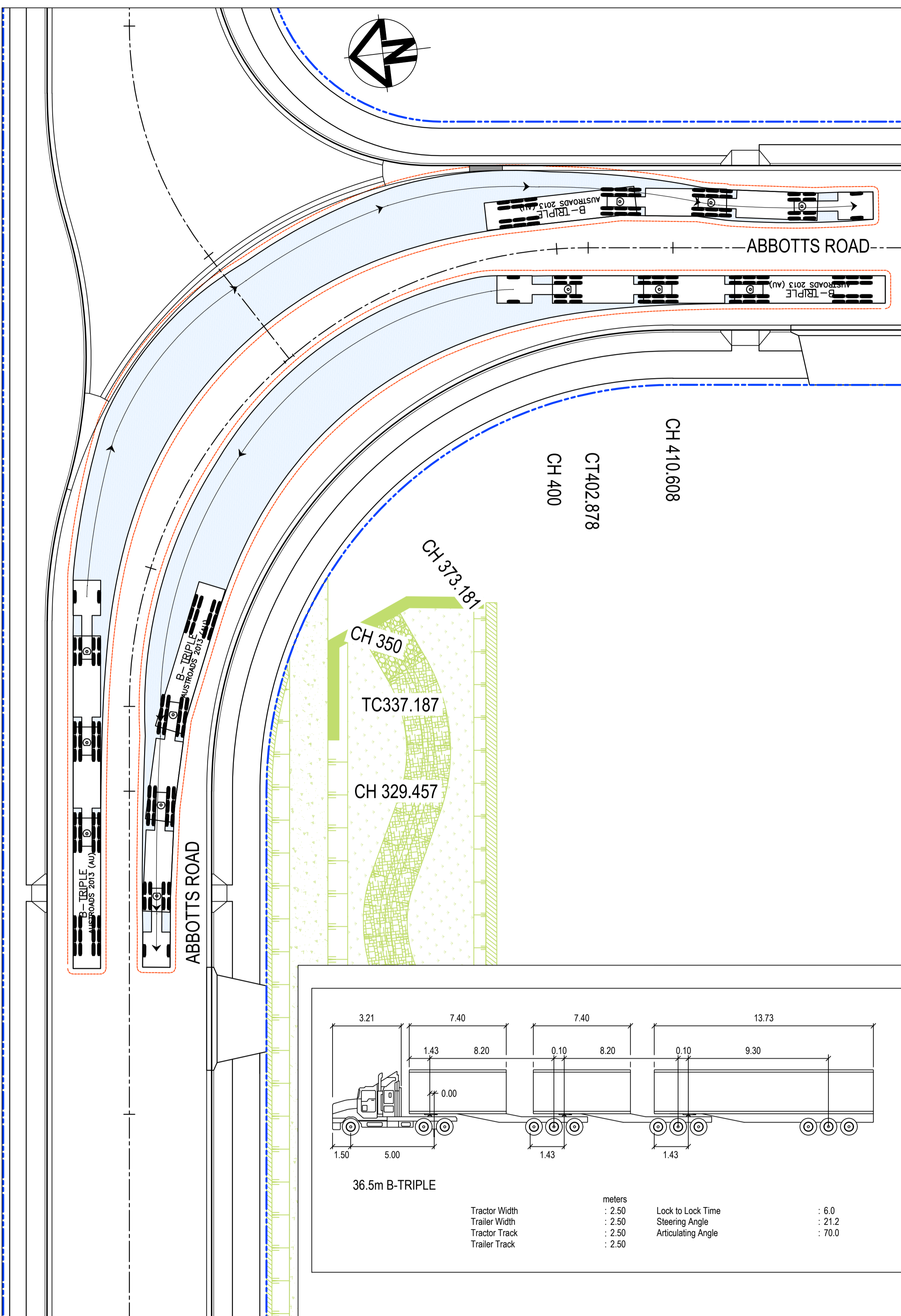
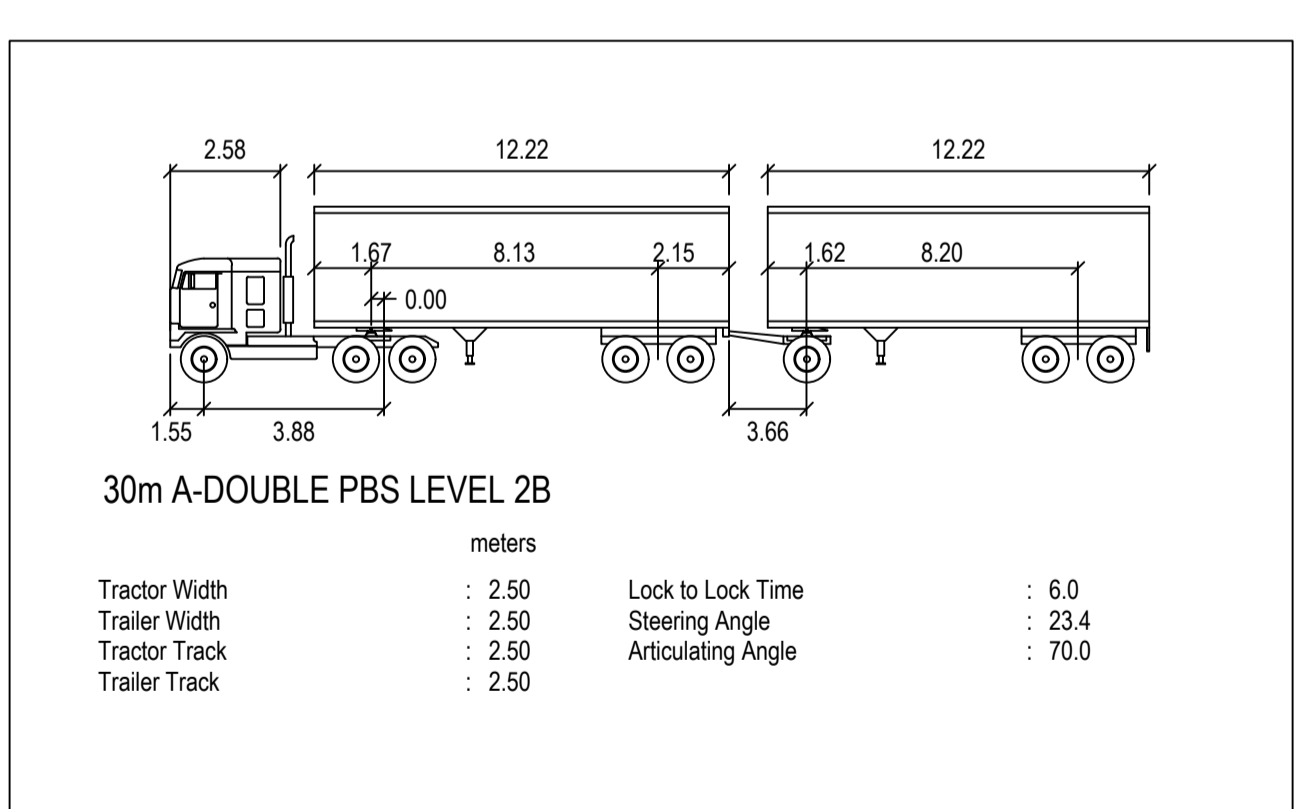
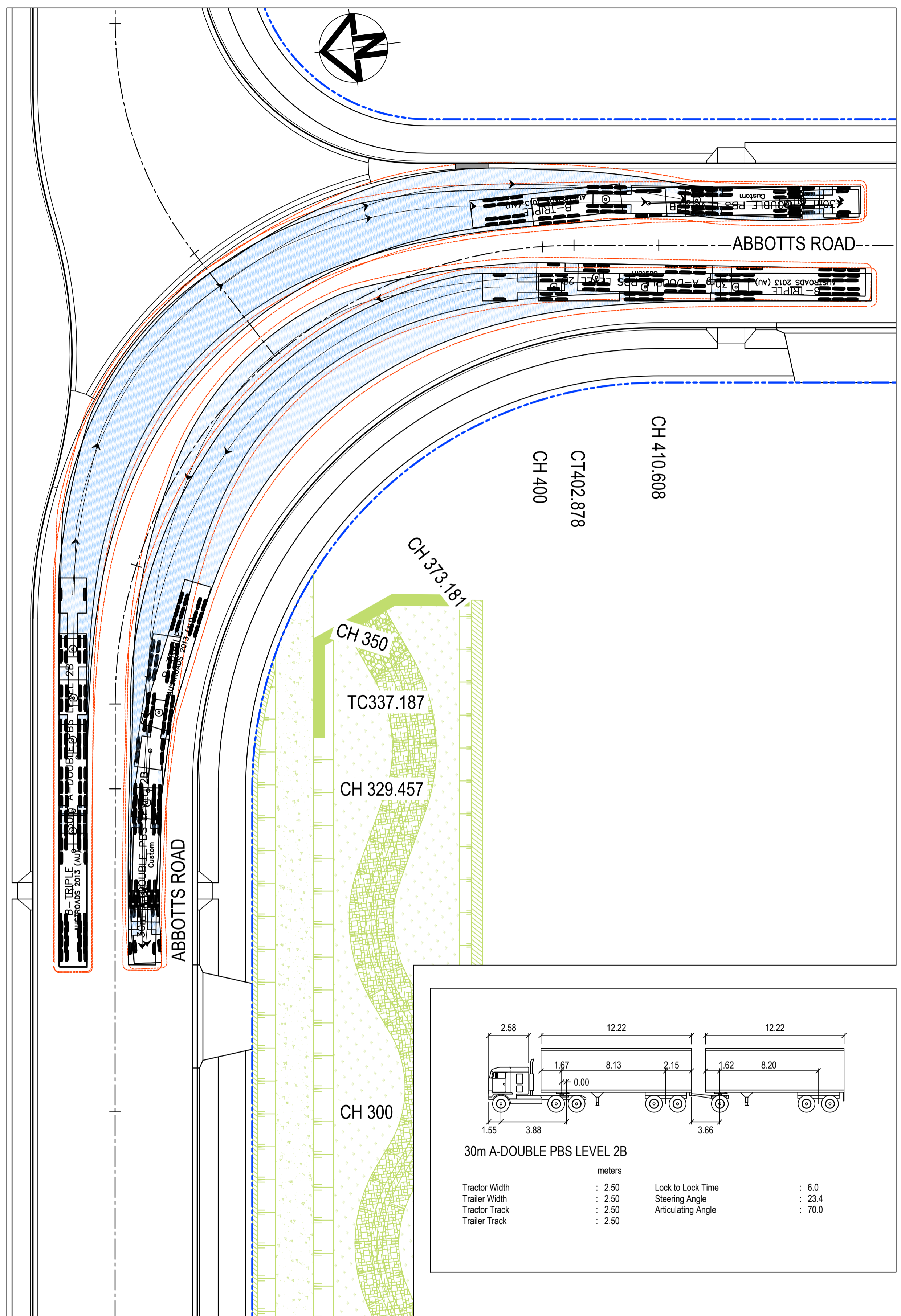
Title

**SERVICES AND UTILITIES CO-ORDINATION 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	<b>FOR APPROVAL</b>	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.	20-748-C11147	Issue
		5

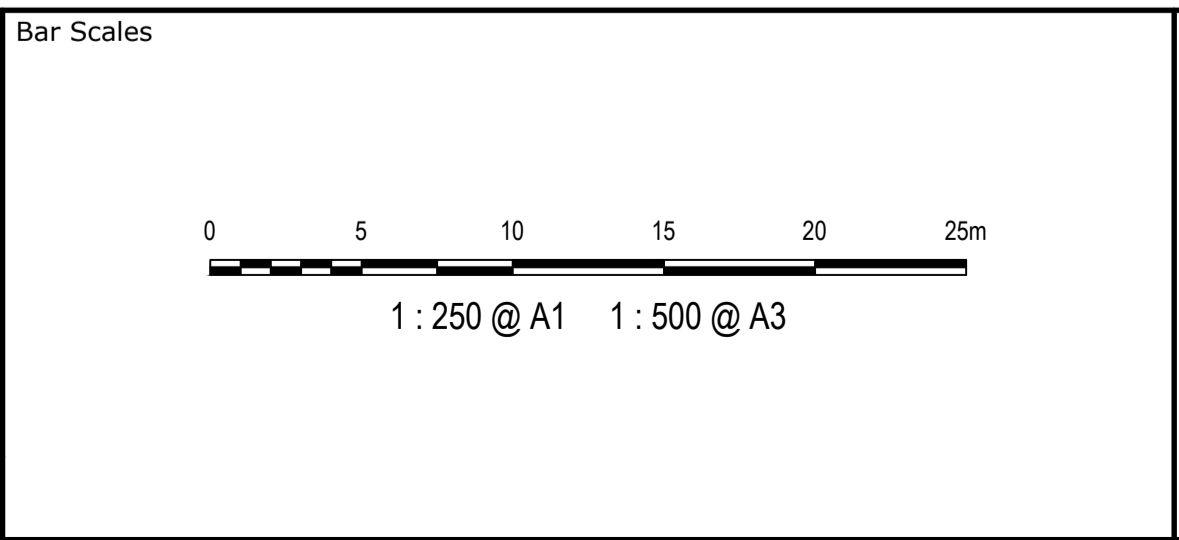


**LEGEND:**

	VEHICLE BODY ENVELOPE
	0.5m VEHICLE BODY CLEARANCE ENVELOPE

**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **VEHICLE TURN PATH PLAN SHEET 1**

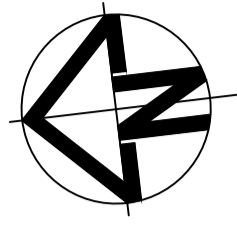
Civil Engineers and Project Managers

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

Status	<b>FOR APPROVAL</b>	A1
	<b>NOT TO BE USED FOR CONSTRUCTION</b>	
Project - Drawing No.	20-748-C11171	Issue
		5

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CH 245.550

CT233.546

TC216.765

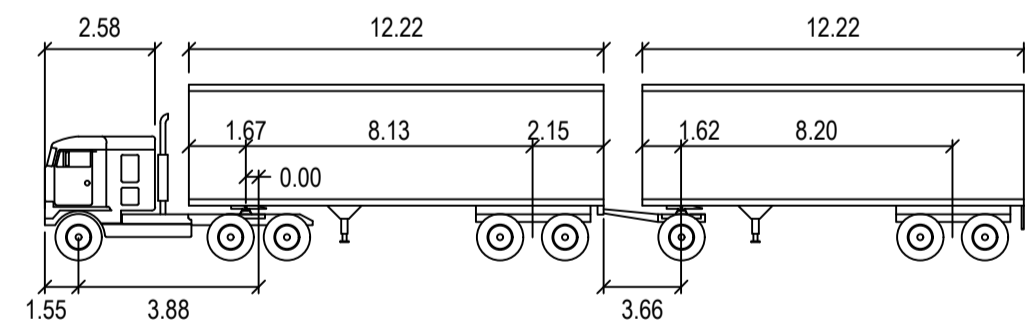
CH 206.538

CH 200

PRIVATE ACCESS ROAD

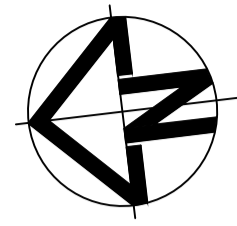
30m A-DOUBLE PBS LEVEL 2B

30m A-DOUBLE PBS LEVEL 2B



30m A-DOUBLE PBS LEVEL 2B

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



CH 245.550

CT233.546

TC216.765

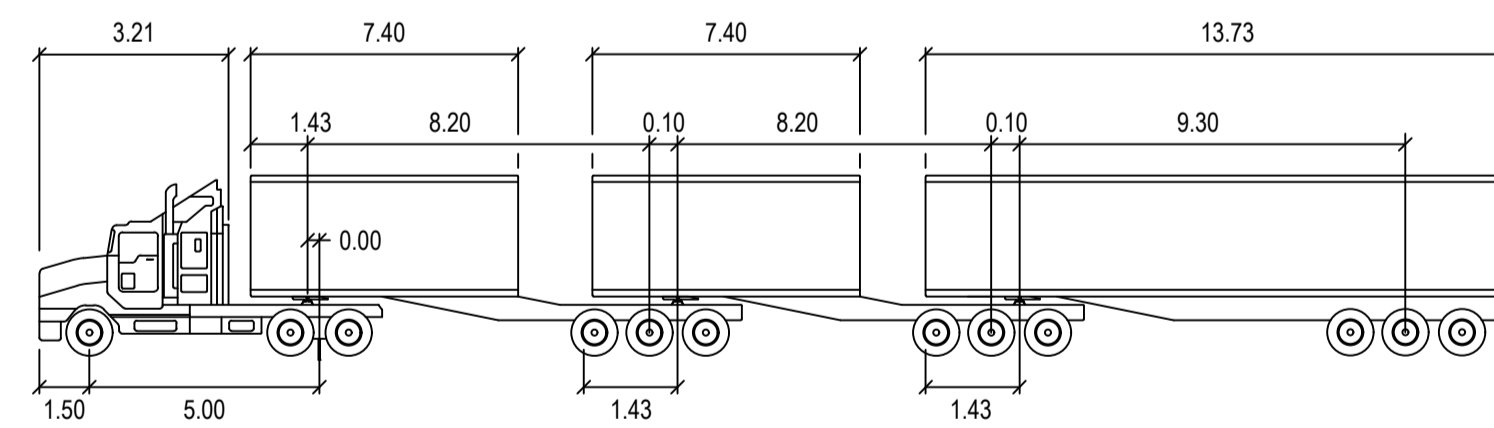
CH 206.538

CH 200

PRIVATE ACCESS ROAD

36.5m B-TRIPLE

36.5m B-TRIPLE



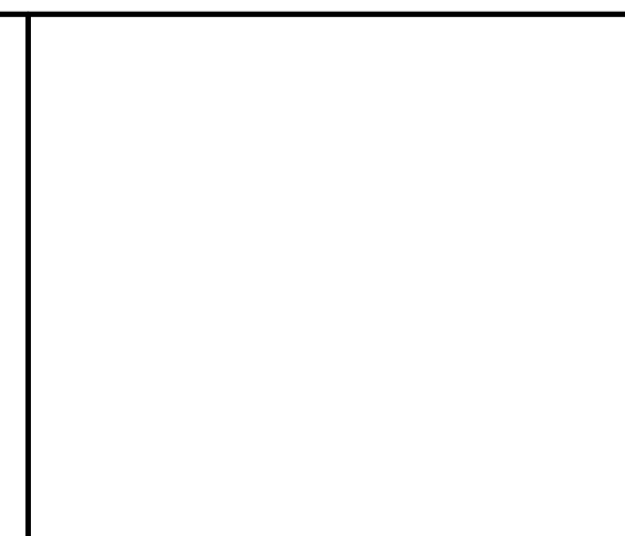
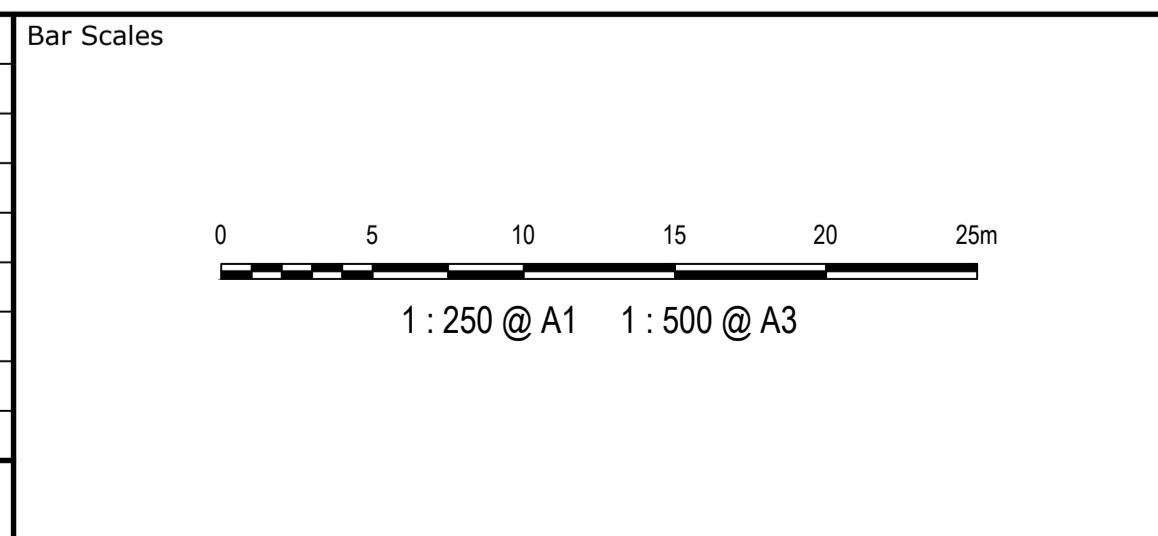
36.5m B-TRIPLE

meters			
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 21.2
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

LEGEND:

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client

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

GDA2020

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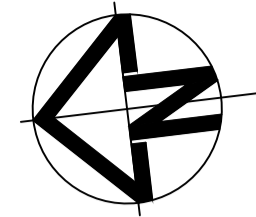
Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title: VEHICLE TURN PATH PLAN SHEET 2

Civil Engineers and Project Managers

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

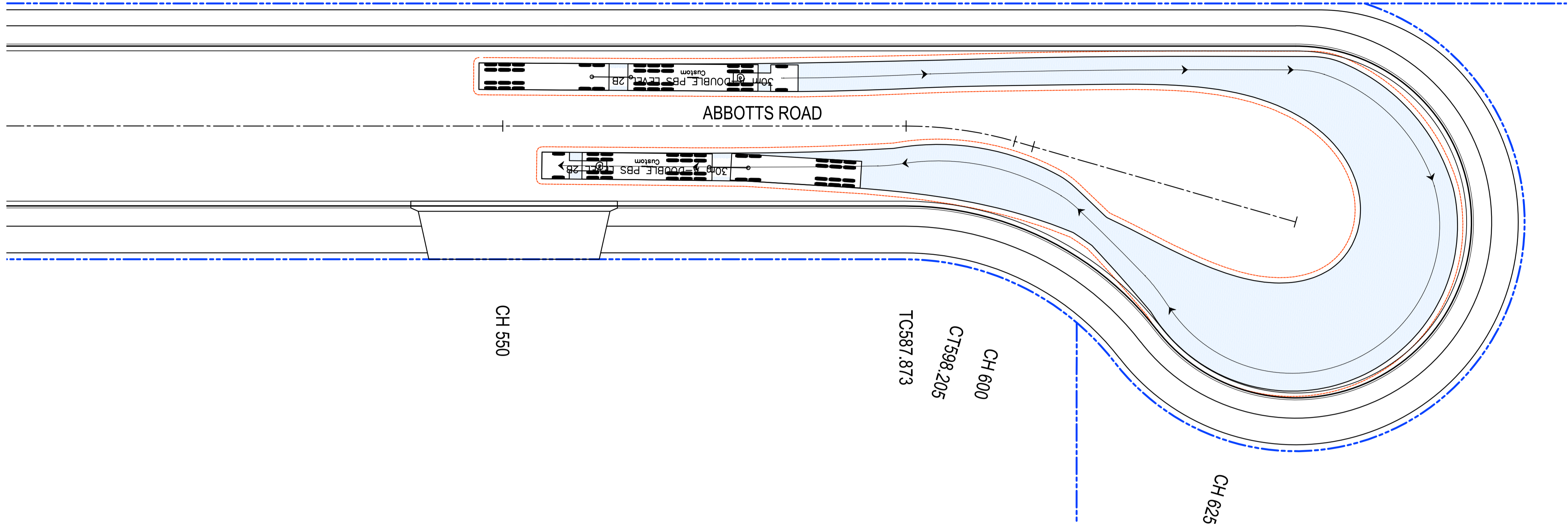
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11172	Issue
		5



**LEGEND:**

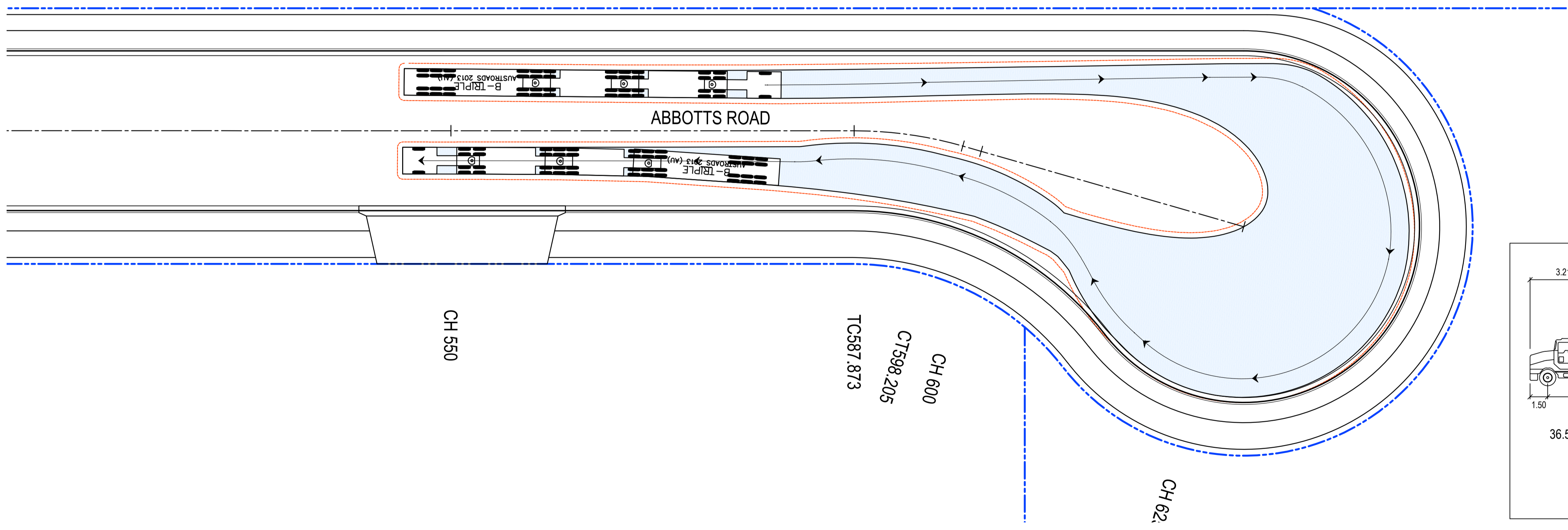
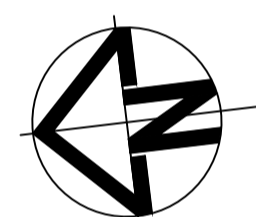
- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE

**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.



**30m A-DOUBLE PBS LEVEL 2B**

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



**36.5m B-TRIPLE**

meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 21.2
Articulating Angle	: 70.0

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23

Bar Scales

1 : 250 @ A1    1 : 500 @ A3

Client



Scales: 1 : 250

Grid: MGA2020

Height Datum: AHD

Drawn: LM

Designed: LM

Checked: AT

Approved:

GDA2020

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Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title: VEHICLE TURN PATH PLAN SHEET 3

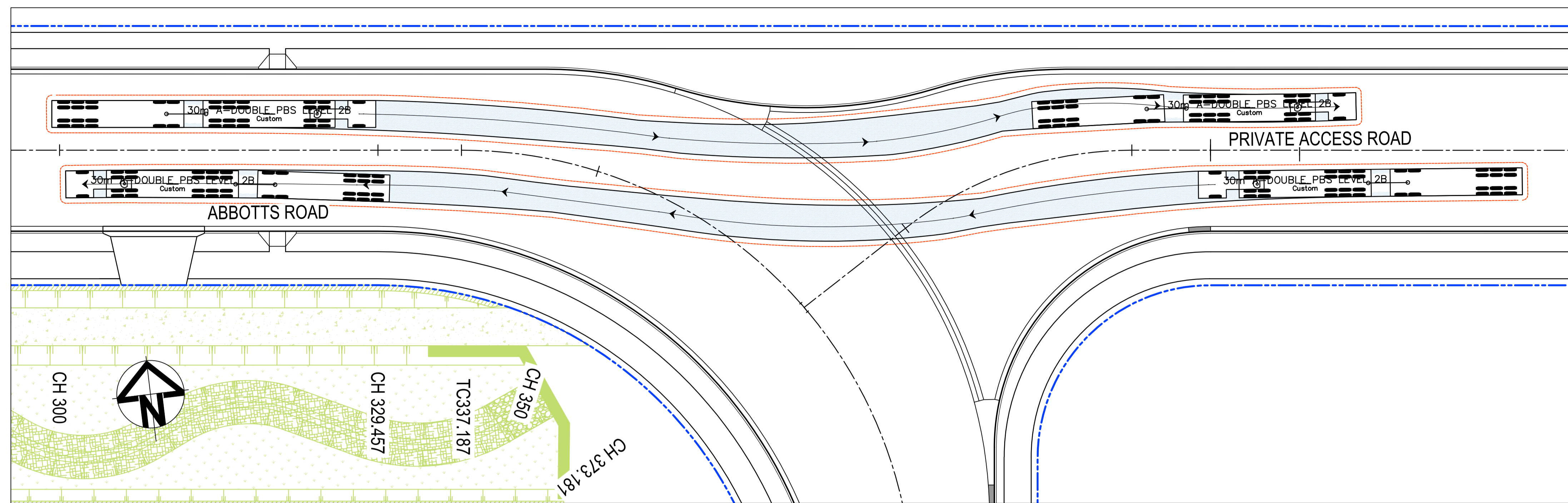
Civil Engineers and Project Managers

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

Status: FOR APPROVAL  
 NOT TO BE USED FOR CONSTRUCTION

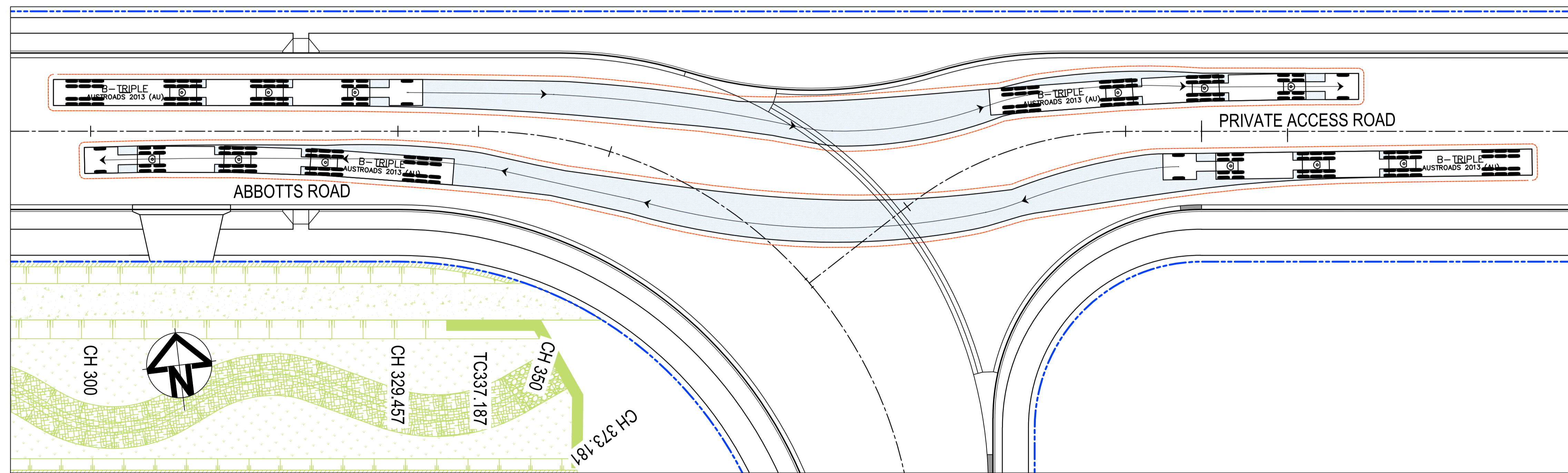
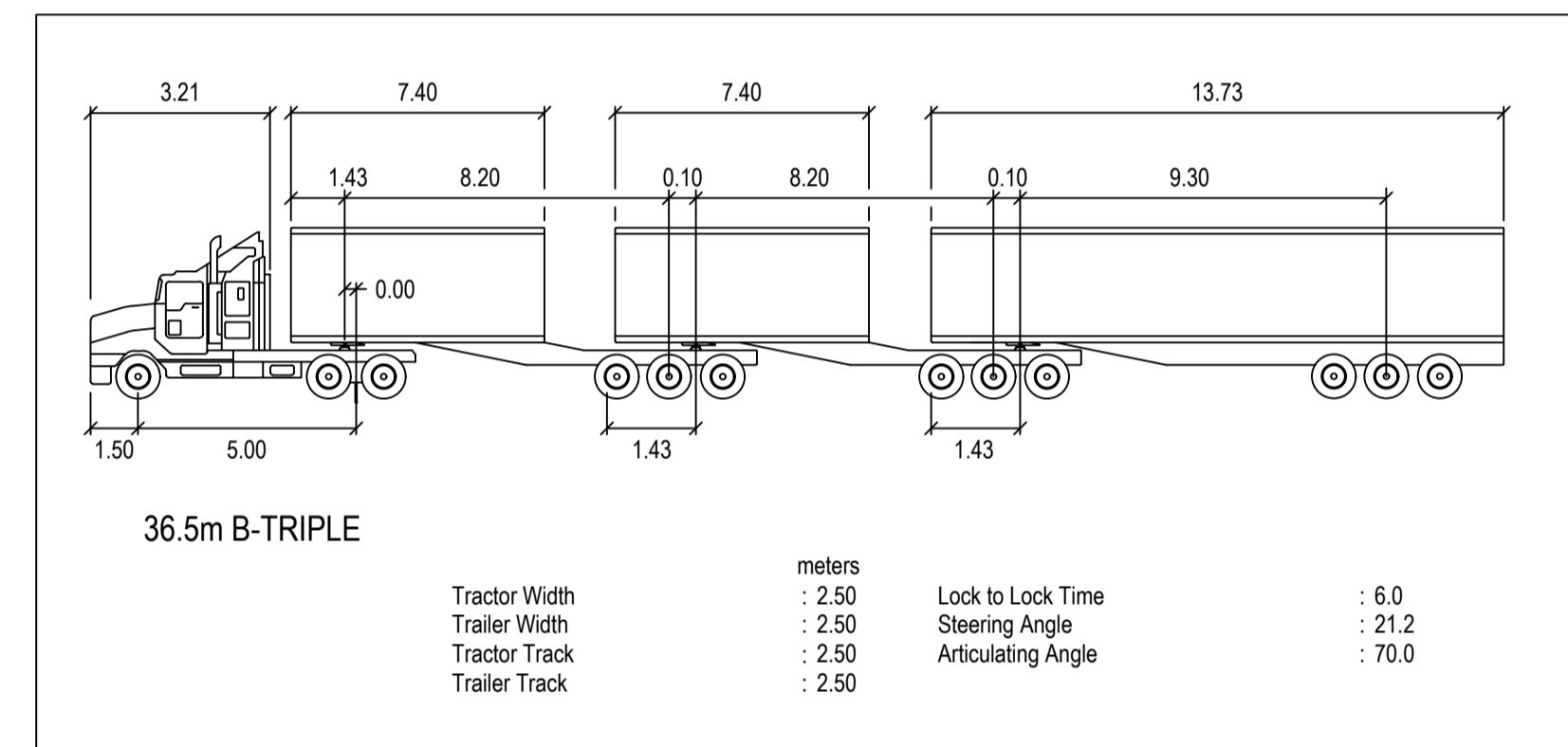
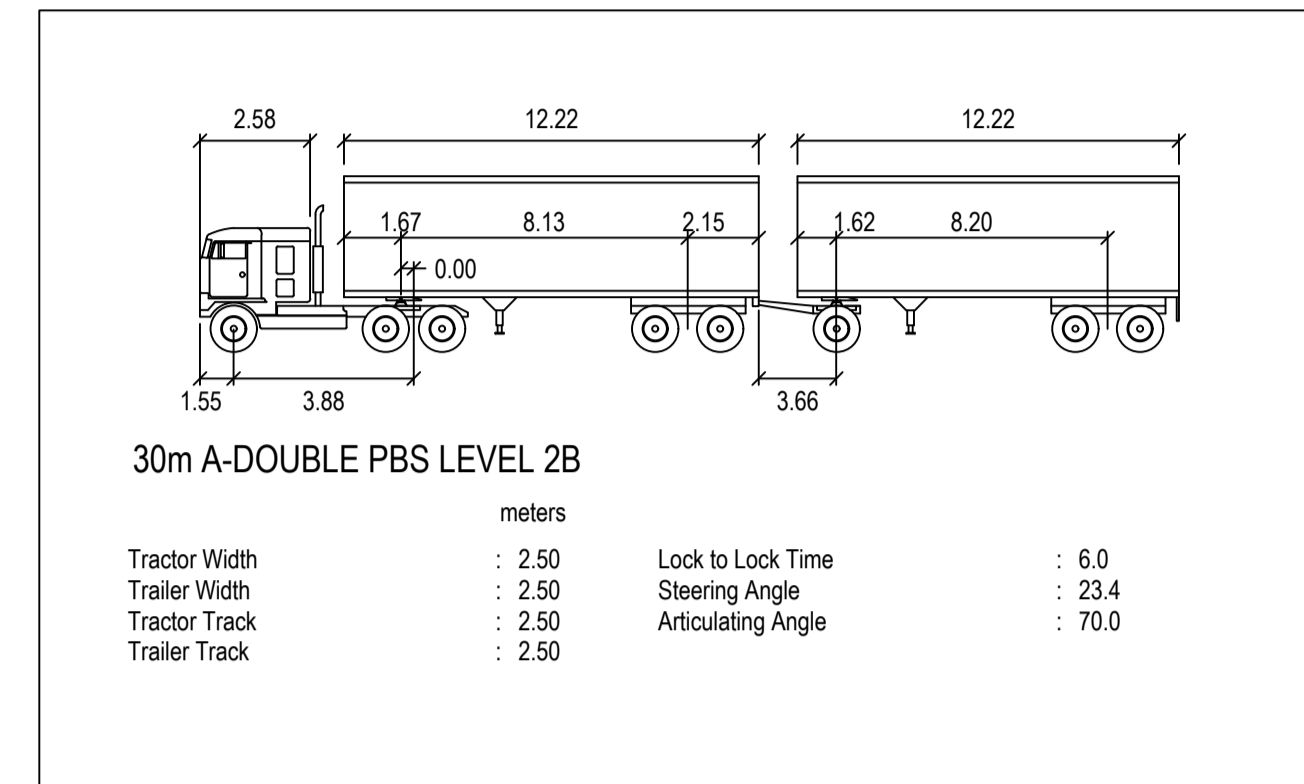
Project - Drawing No. 20-748-C11173

Issue 5



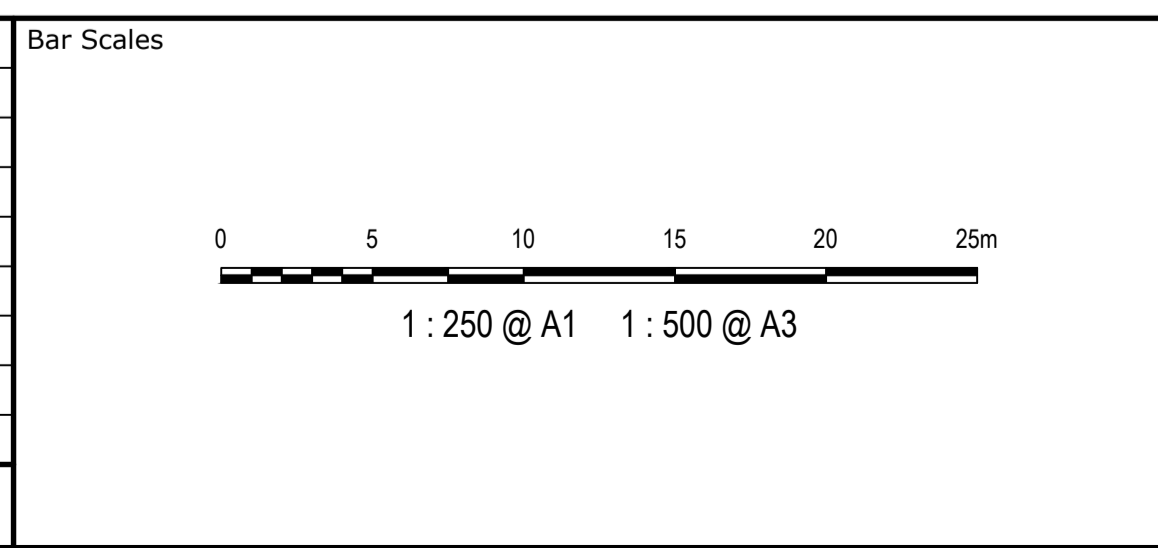
**LEGEND:**

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE



**NOTE:**  
 1. THIS DRAWING IS NOT REQUIRED FOR BULK EARTHWORK APPROVAL. FUTURE COORDINATION WITH PCC/SWC REQUIRED FOR SIGN OFF ON ROAD WORKS AS PER CONDITION B12. ROAD WORKS TO BE SOUGHT UNDER SEPARATE S.W.C. APPROVAL.

Issue	Description	Date
5	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
4	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
3	ISSUED FOR MOD 1 APPROVAL	01-11-23
2	ISSUED FOR AGENCY APPROVAL	24-07-23
1	ISSUED FOR CLIENT REVIEW	23-06-23



Client



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

GDA2020

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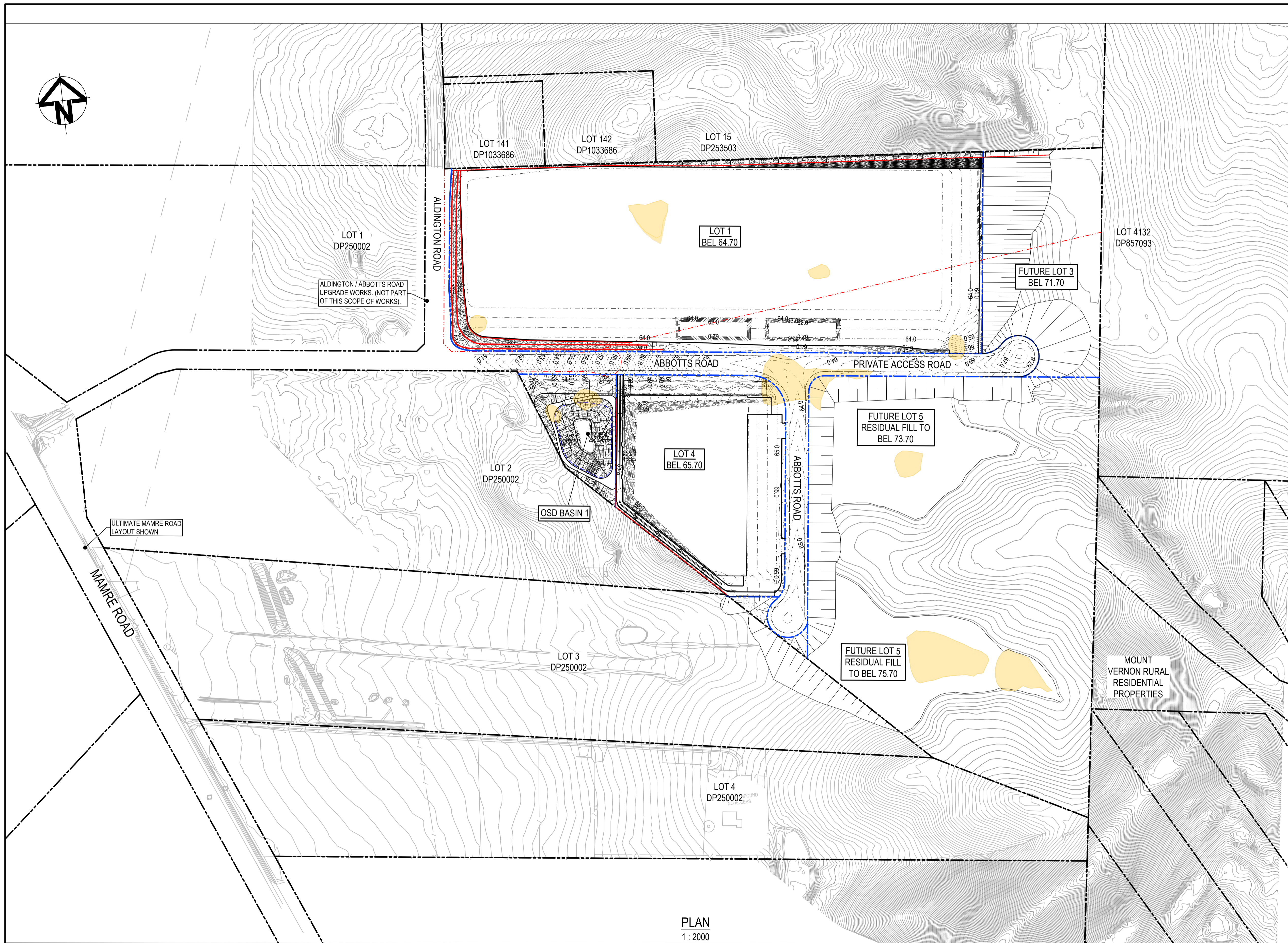
Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **VEHICLE TURN PATH PLAN SHEET 4**

Civil Engineers and Project Managers

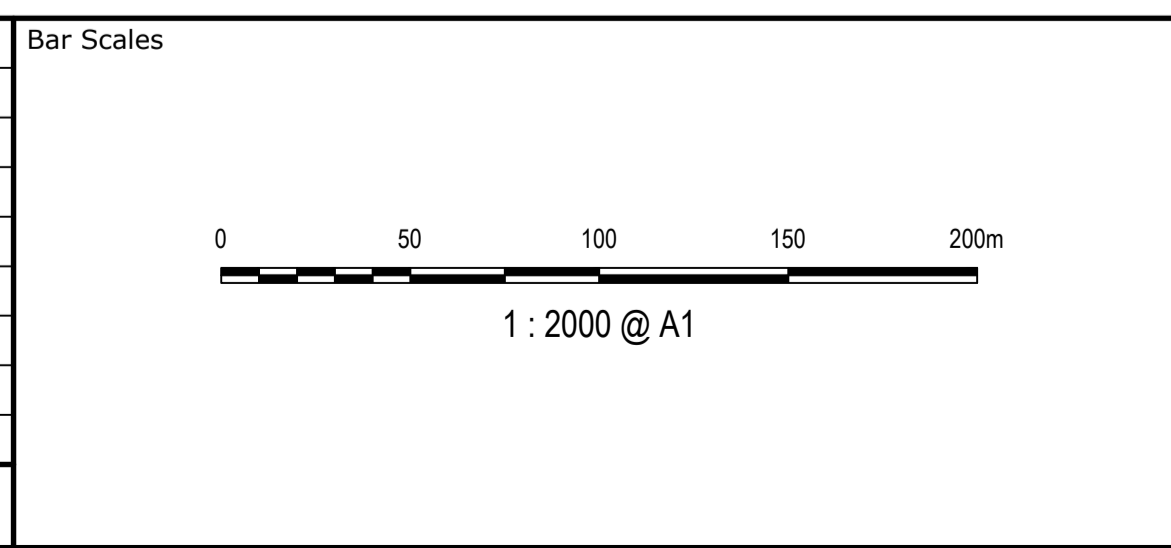
Level 7, 153 Walker Street  
 North Sydney NSW 2060  
 ABN 96 130 882 405  
 Tel: 02 9439 1777  
 Fax: 02 9923 1055  
 www.atl.net.au  
 info@atl.net.au

Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11174	Issue
		5



LEGEND:	
<b>EXISTING</b>	
	EXISTING BOUNDARY
	EXISTING CONTOUR
	EXTENT OF EXCAVATION OF EXISTING DAMS
<b>PROPOSED</b>	
	PROPOSED BOUNDARY
	WAREHOUSE BULK EARTHWORKS PAD LEVEL
	PROPOSED RETAINING WALL
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED BATTER TEMPORARY BATTER 1(V):4(H) PERMANENT BATTER 1(V):5(H) U.N.O

Issue	Description	Date
3	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
2	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
1	ISSUED FOR MOD 1 APPROVAL	01-11-23



Client

Scales	1 : 2000	Drawn	GD
		Designed	GD
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **BULK EARTHWORKS CONTOUR PLAN**

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Civil Engineers and Project Managers

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

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

Project - Drawing No. **20-748-C11200**

Issue		A1
Description		3



**LEGEND:**

	EXISTING BOUNDARY
	EXISTING CONTOUR
	EXTENT OF EXCAVATION OF EXISTING DAMS
	PROPOSED BOUNDARY
	WAREHOUSE BULK EARTHWORKS PAD LEVEL
	INDICATIVE POND LAYOUT

**CUT/FILL DEPTH RANGE LEGEND**

Lower_value	Upper_value	Colour
-18.0	to -16.0 m	Brown
-16.0	to -14.0 m	Light Brown
-14.0	to -12.0 m	Orange
-12.0	to -10.0 m	Yellow
-10.0	to -8.0 m	Light Green
-8.0	to -6.0 m	Green
-6.0	to -4.0 m	Light Blue
-4.0	to -2.0 m	Blue
-2.0	to 0.0 m	Light Purple
0.0	to 2.0 m	Purple
2.0	to 4.0 m	Dark Purple
4.0	to 6.0 m	Dark Blue
6.0	to 8.0 m	Blue
8.0	to 10.0 m	Light Blue
10.0	to 12.0 m	Light Green
12.0	to 14.0 m	Green
14.0	to 16.0 m	Light Green
16.0	to 18.0 m	Green

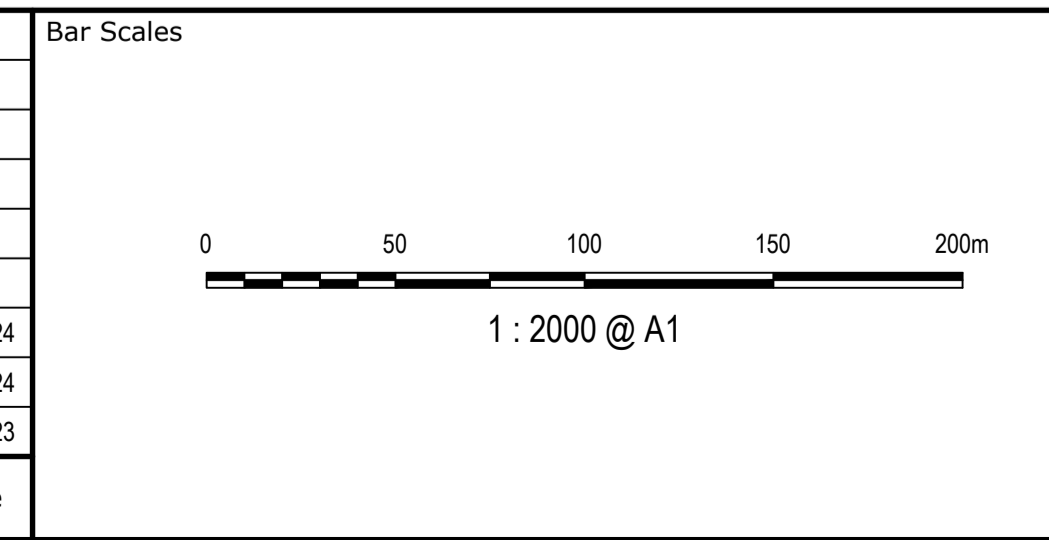
- NOTES:**
- EXISTING TOPSOIL STRIPPED 200mm TO BE BLENDED AND REUSED AS FILL.
  - ADDITIONAL EXCAVATION OF EXISTING DAMS WITHIN SITE AREA TO A DEPTH OF 1m BELOW EXISTING INVERT AND WIDTH OF EXISTING DAM EXTENT. VOLUMES ARE APPROXIMATE. EXCAVATED MATERIAL TO BE FARMED AND USED AS GENERAL FILL WITHIN FILL ZONES 2m BELOW FINAL SURFACE.
  - NEGATIVE BALANCE VOLUMES INDICATE EXCESS OF MATERIAL (EXPORT).
  - ROAD PAVEMENT DEPTH ASSUMED 700mm.
  - ON LOT PAVEMENT DEPTH ASSUMED 300mm
  - THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING -
    - BULKING FACTORS OF REMOVED CUT AND PAVEMENTS
    - REMOVAL OF EXISTING BUILDING SLABS AND PAVEMENTS
    - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
    - PROPOSED LANDSCAPING
    - STORMWATER AND UTILITY TRENCHING
    - EROSION AND SEDIMENTATION CONTROL SWALES AND BASINS.
    - ENGINEERING FILL BEHIND RETAINING WALLS.

**EARTHWORKS VOLUMES**

A	B	C	D	E =A+C+D	RESIDUAL LOT FILL (INTO LOT 5) (cu.m)	TOTAL BALANCE (cu.m)
EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.2	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)	173,570	110
-40,490	-10,467	-696,330	522,650	-173,680		

PLAN  
1: 1500

Issue	Description	Date
3	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
2	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
1	ISSUED FOR MOD 1 APPROVAL	01-11-23



Client

Scales	1 : 2000	Drawn	GD
Grid	MGA2020	Designed	GD
Height Datum	AHD	Checked	AT
		Approved	

Project **PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title **BULK EARTHWORKS CUT/FILL PLAN**

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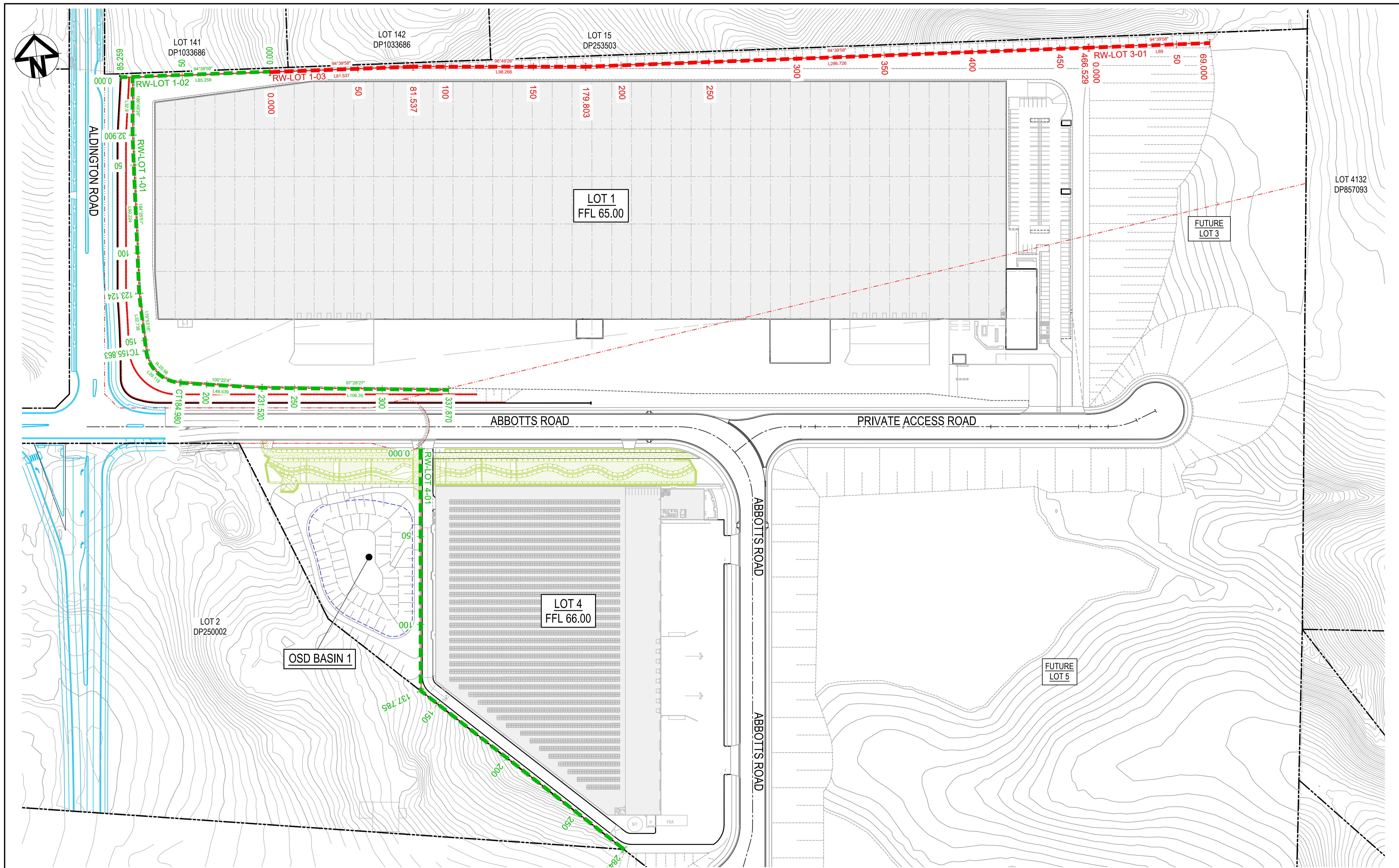
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Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
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info@atl.net.au

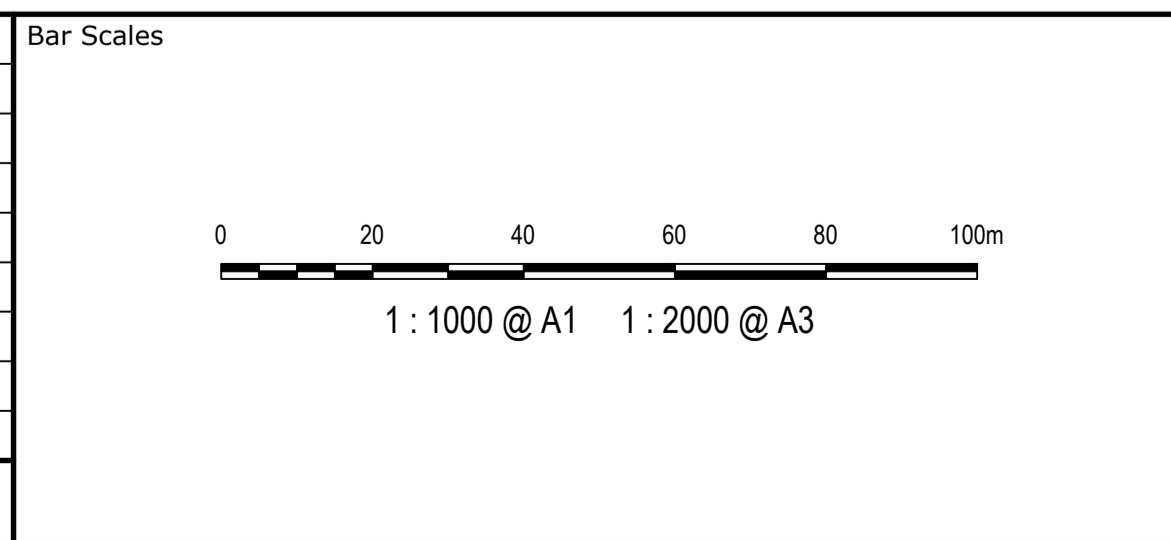
Status **FOR APPROVAL**  
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No. **20-748-C11201**

Issue **3**



Issue	Description	Date
4	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
3	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
2	ISSUED FOR MOD 1 APPROVAL	13-12-23
1	ISSUED FOR MOD 1 APPROVAL	01-11-23



Client



Scales	1 : 1000	Drawn	QD
		Designed	QD
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

GDA2020

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Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**RETAINING WALL GENERAL ARRANGEMENT PLAN**

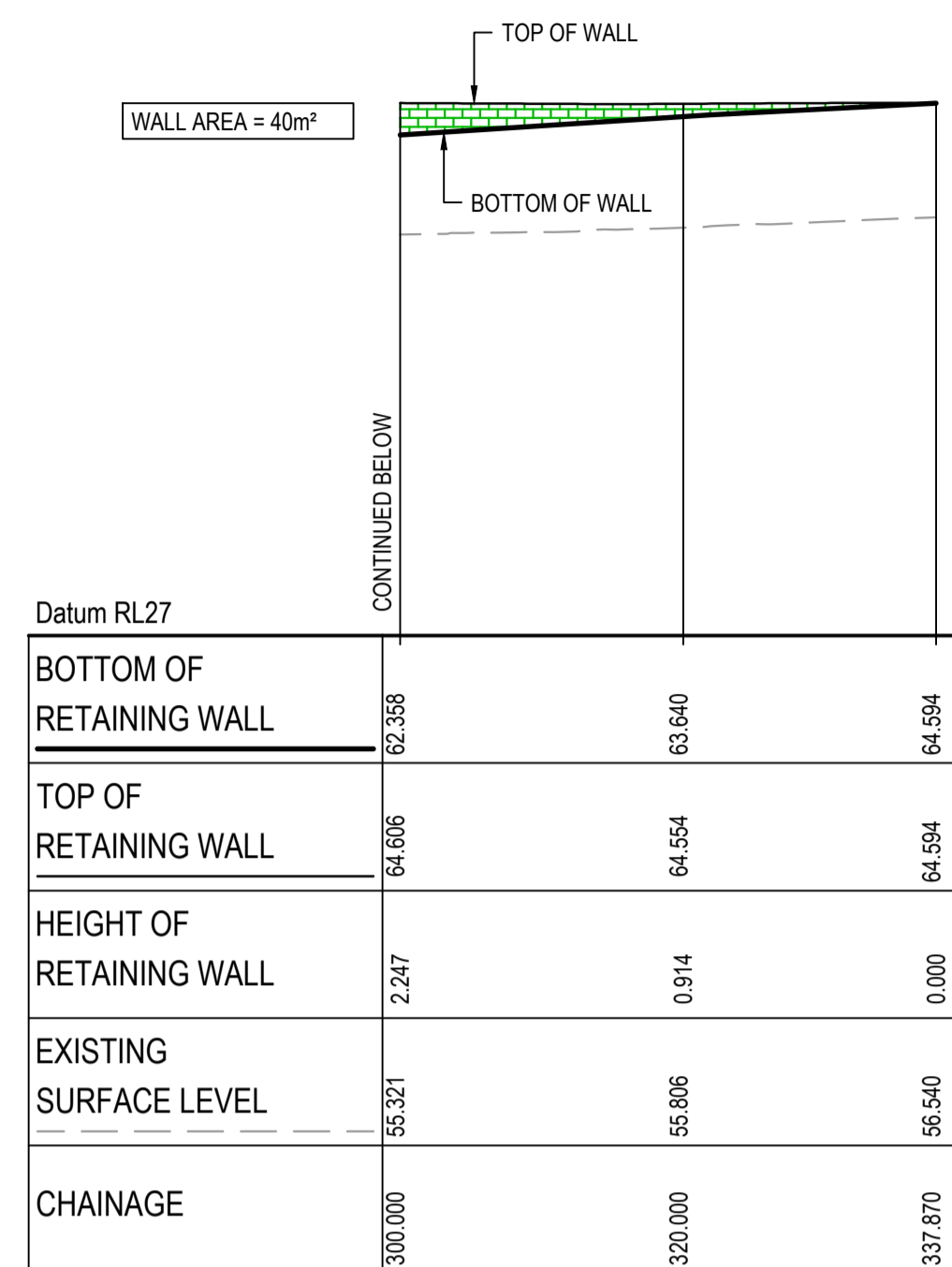
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North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
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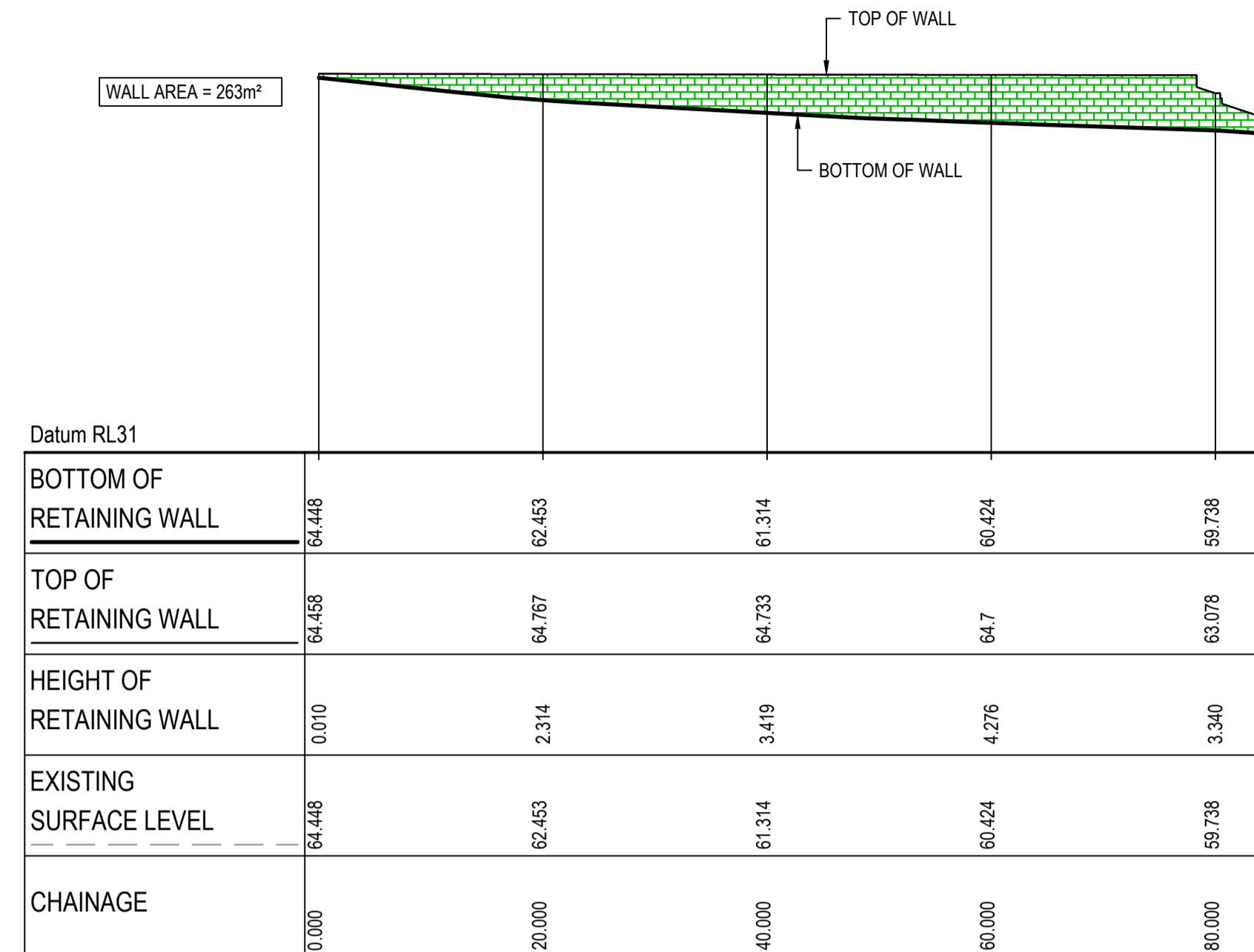
Status	<b>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</b>	A1
Project - Drawing No.	<b>20-748-C11210</b>	Issue
		<b>4</b>

NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C11211 FOR TYPICAL WALL SECTION

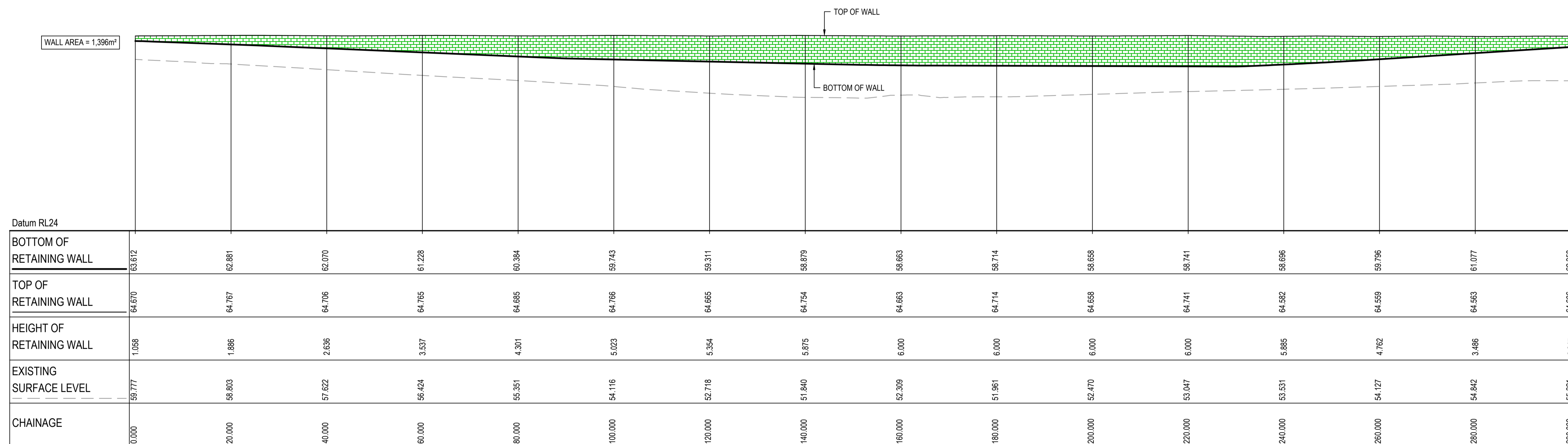
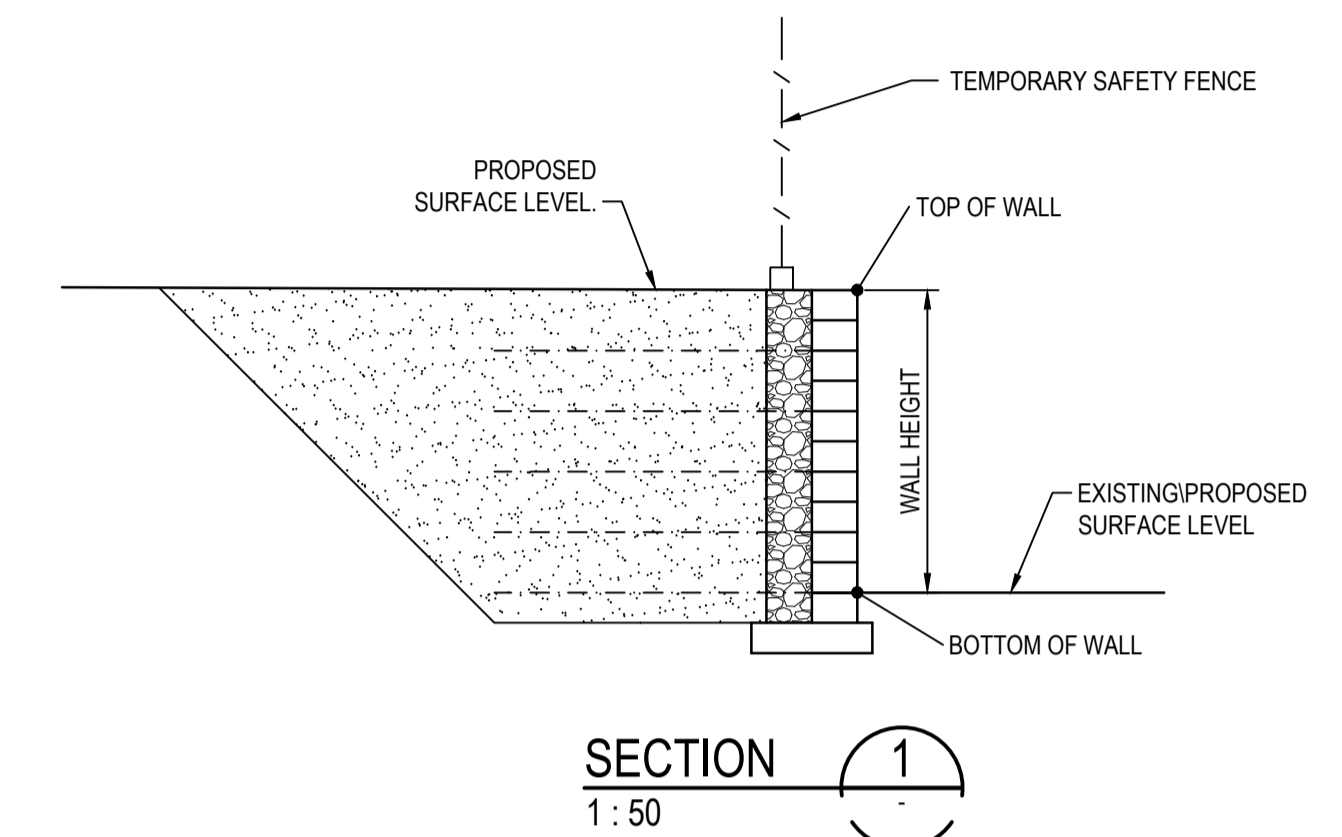
NOTE:  
RETAINING WALL PROFILE IS INDICATIVE ONLY,  
REFER TO LANDSCAPE DRAWINGS FOR ENTRY  
FEATURE WALL CONCEPT.



RETAINING WALL (RW-LOT 1-01) PROFILE (CONTINUED)  
SCALE 1:500 HORI.  
1:500 VERT.

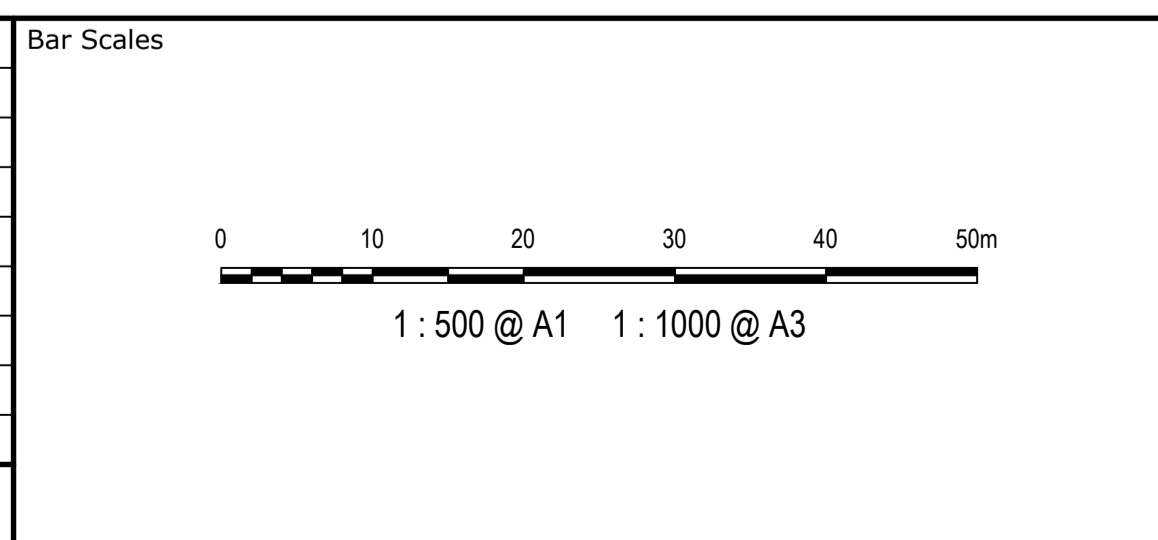


RETAINING WALL (RW-LOT 1-02) PROFILE  
SCALE 1:500 HORI.  
1:500 VERT.



RETAINING WALL (RW-LOT 1-01) PROFILE  
SCALE 1:500 HORI.  
1:500 VERT.

Issue	Description	Date
3	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
2	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
1	ISSUED FOR MOD 1 APPROVAL	01-11-23



Client	ESR	
Scales	1 : 500 V	1 : 500 H
Grid	MGA2020	
Height Datum	AHD	
Drawn	GD	GD
Designed	AT	AT
Checked	AT	AT
Approved	GDA2020	

Project: PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

Title: RETAINING WALL PROFILES SHEET 1

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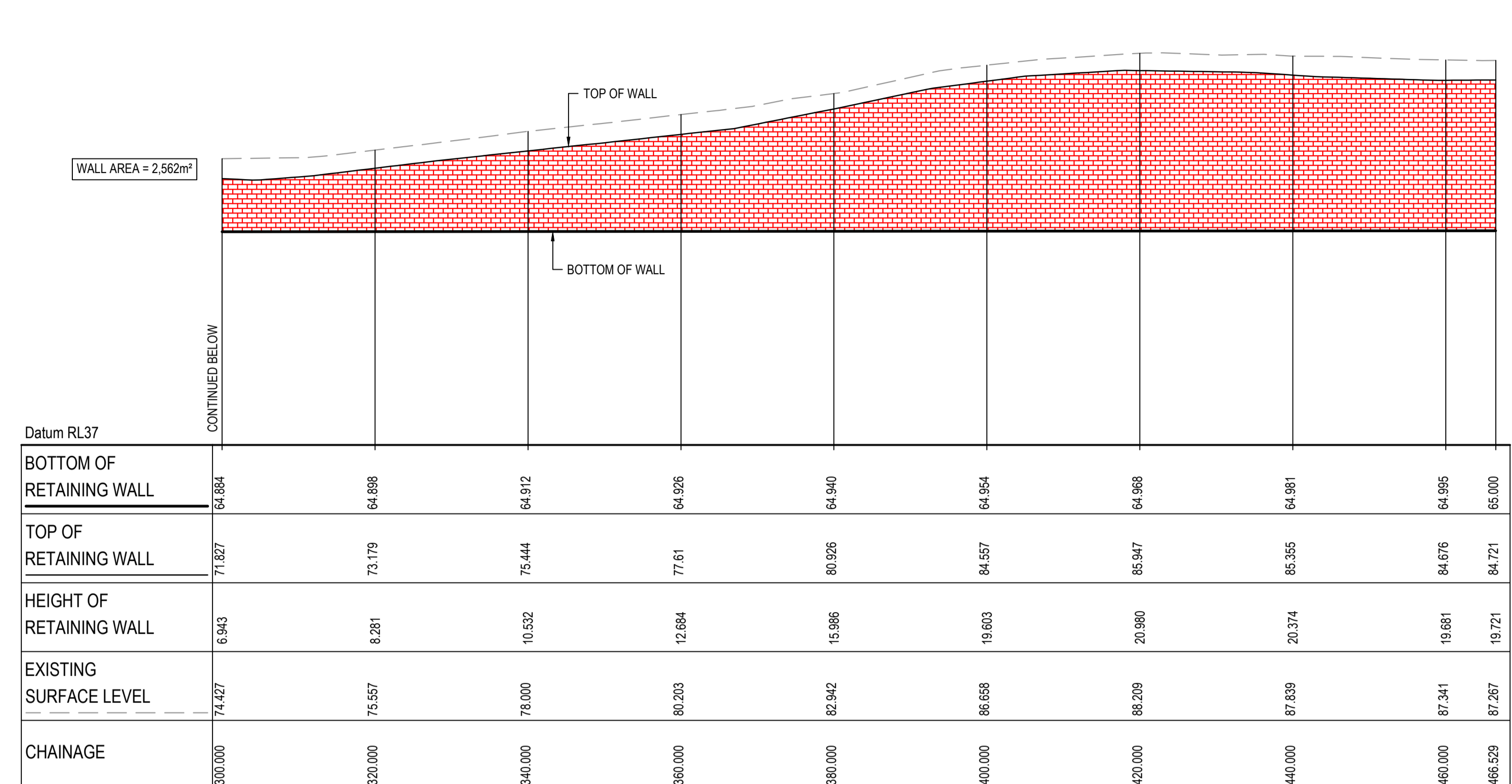
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North Sydney NSW 2060  
ABN 96 130 882 405  
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www.atl.net.au  
info@atl.net.au

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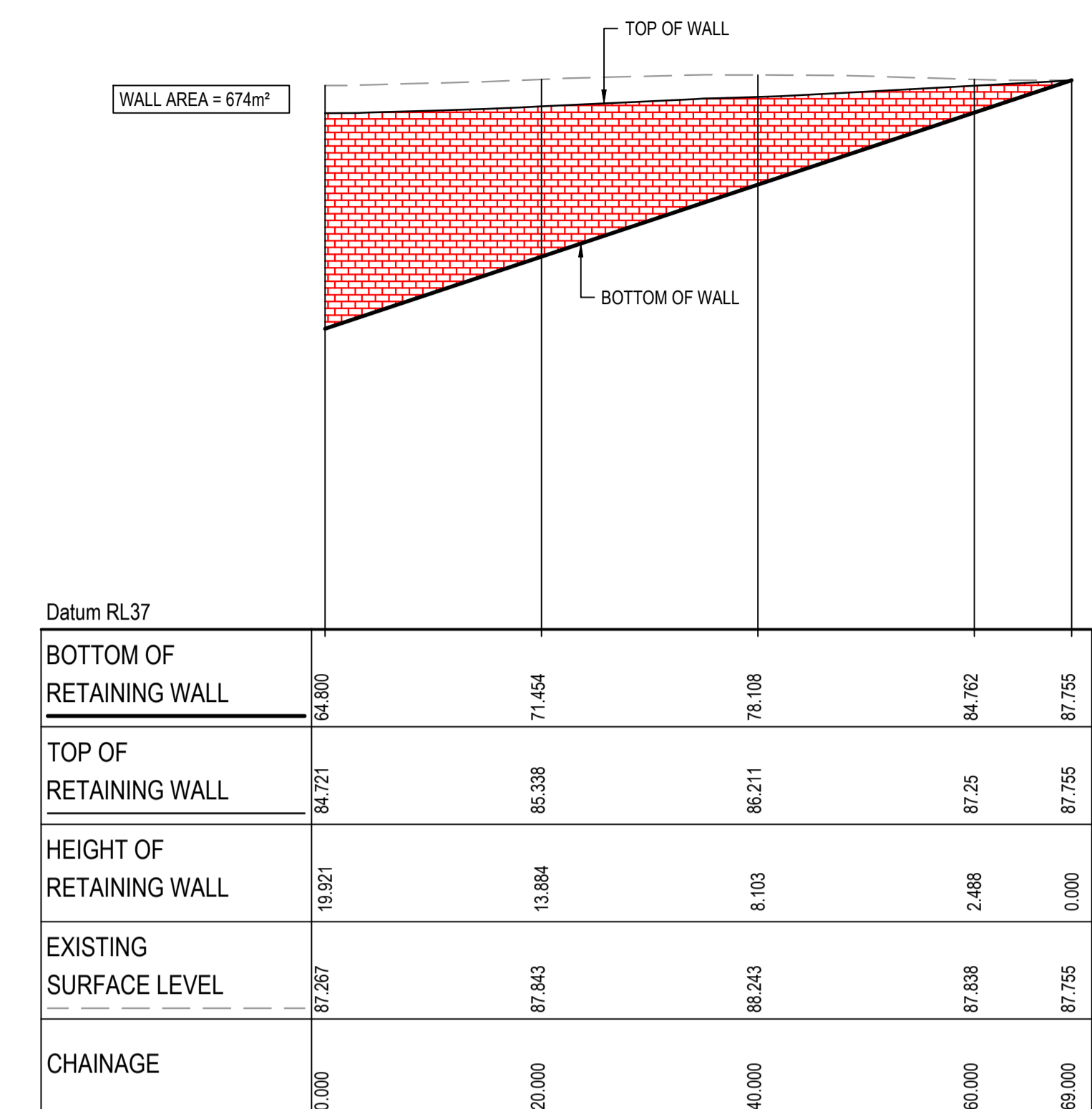
Project - Drawing No. 20-748-C11211

Issue 3

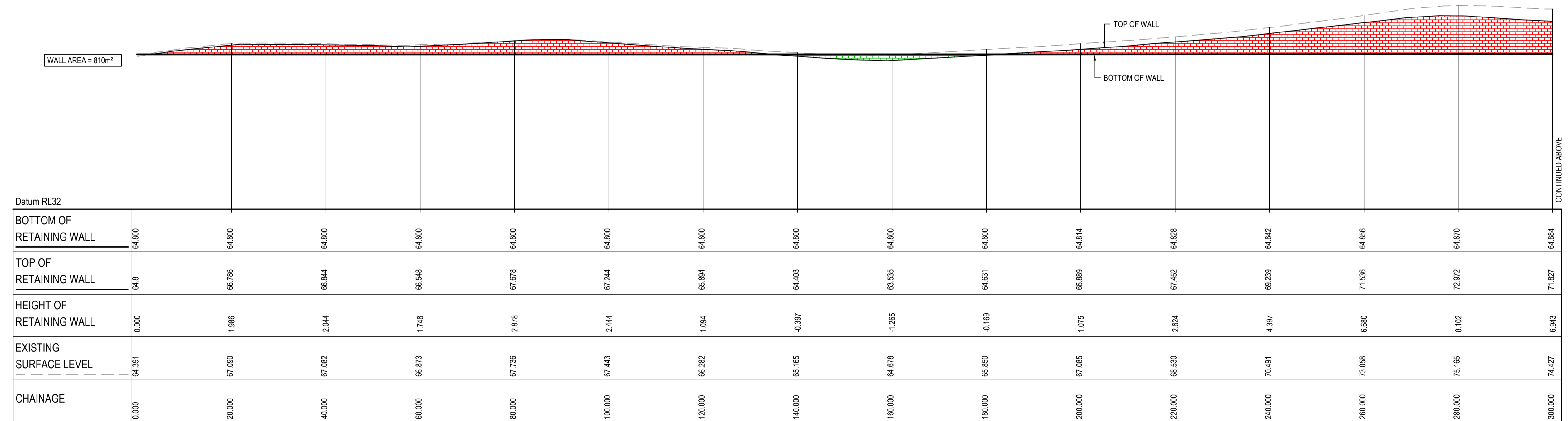
NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C11211 FOR TYPICAL WALL SECTION



RETAINING WALL (RW-LOT 1-03) PROFILE (CONTINUED)  
SCALE 1:500 HORI.  
1:500 VERT.

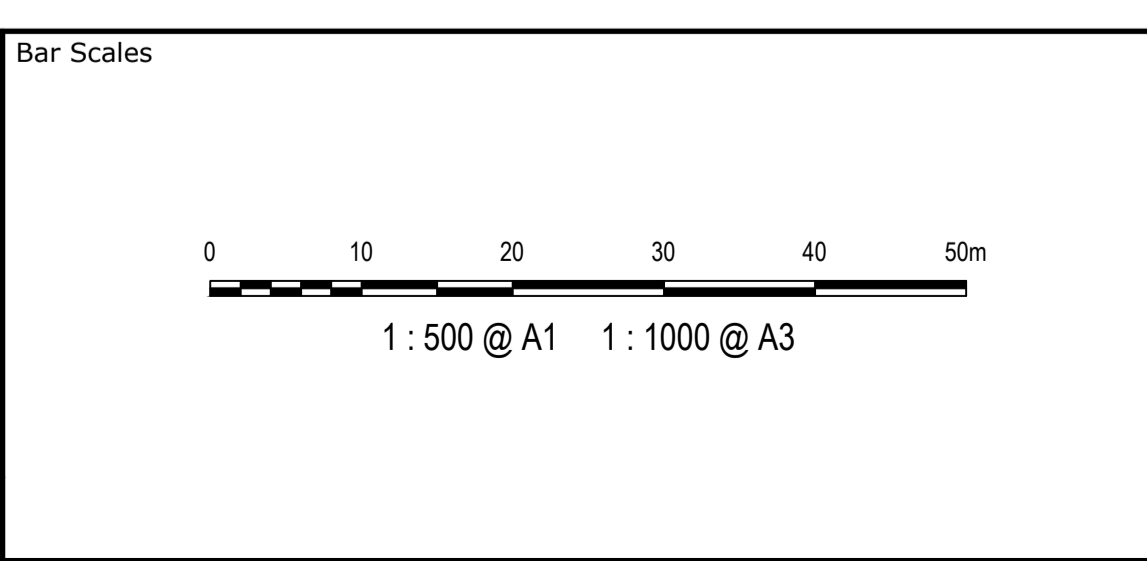


RETAINING WALL (RW-LOT 3-01) PROFILE  
SCALE 1:500 HORI.  
1:500 VERT.



RETAINING WALL (RW-LOT 1-03) PROFILE  
SCALE 1:500 HORI.  
1:500 VERT.

3	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
2	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
1	ISSUED FOR MOD 1 APPROVAL	01-11-23
Issue	Description	Date



Client



Scales	1 : 500 V 1 : 500 H	Drawn	QD
		Designed	QD
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	

Project  
**PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK**

Title  
**RETAINING WALL PROFILES SHEET 2**

Civil Engineers and Project Managers

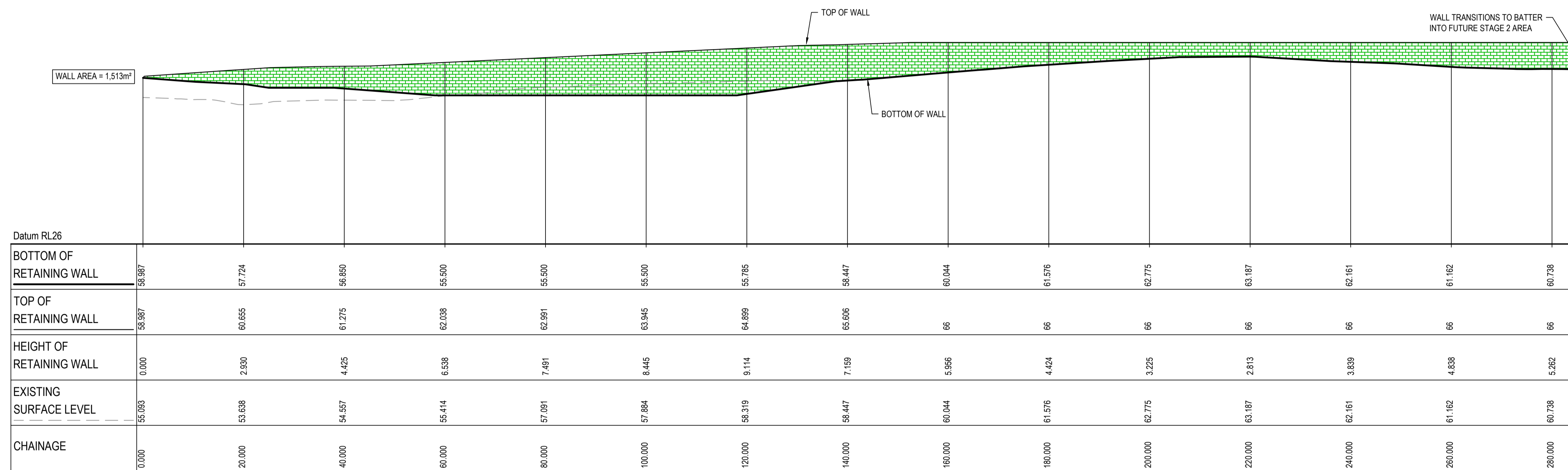
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North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
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info@atl.net.au

Status	<b>FOR APPROVAL</b> NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	20-748-C11212	Issue
		3

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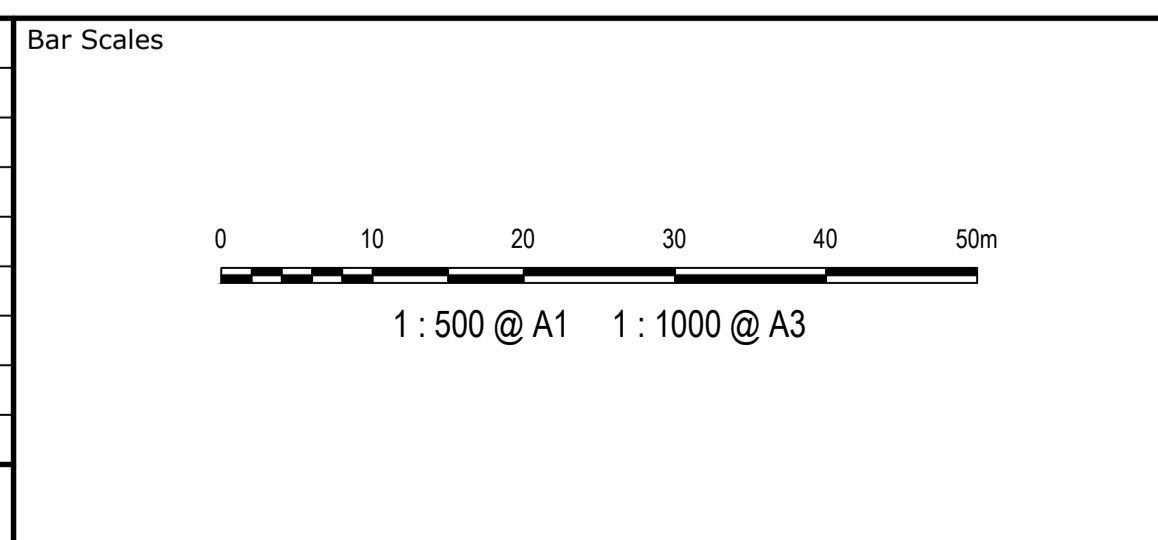
NOTES:  
ALL FINISHED LEVELS ARE ±1000mm U.N.O  
REFER TO DRG C11211 FOR TYPICAL WALL SECTION



RETAINING WALL (RW-LOT 4-01) PROFILE

SCALE 1:500 HORI.  
1:500 VERT.

Issue	Description	Date
4	RE-ISSUED FOR MOD 1 APPROVAL	13-05-24
3	RE-ISSUED FOR MOD 1 APPROVAL	14-03-24
2	ISSUED FOR MOD 1 APPROVAL	13-12-23
1	ISSUED FOR MOD 1 APPROVAL	01-11-23



Client



Scales	1 : 500 V 1 : 500 H	Drawn	QD
		Designed	QD
Grid	MGA2020	Checked	AT
Height Datum	AHD	Approved	
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Project	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK
Title	RETAINING WALL PROFILES 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

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Project - Drawing No.	20-748-C11213	Issue
		4