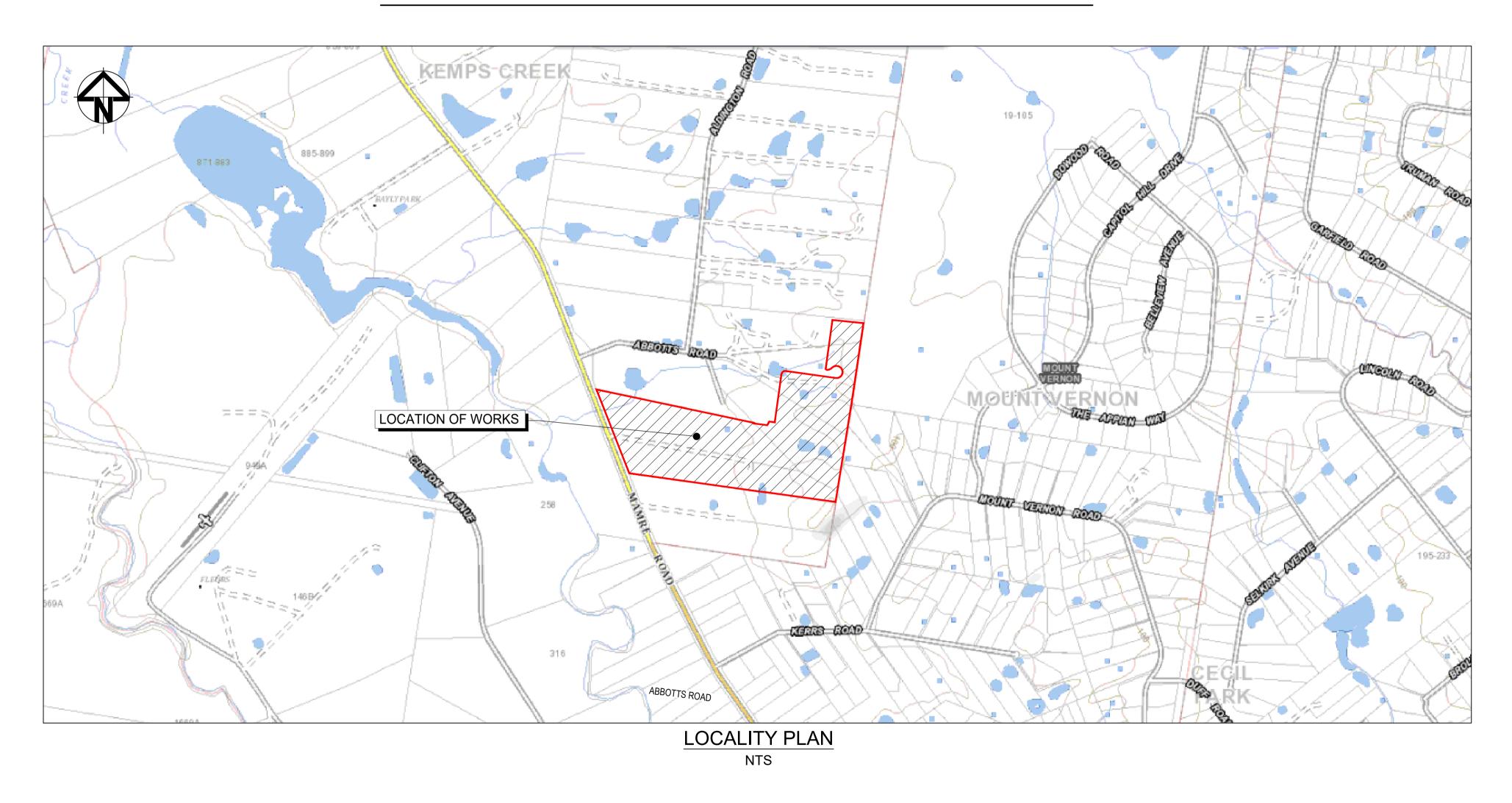
WESTLINK KEMPS CREEK

CIVIL WORKS PACKAGE - INFRASTRUCTURE WORKS - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION RTS-SSD-46983729



		Bar Scales	Client	Scales	Drawn	LM	Project PROPOSED INDUSTRIAL	Civil Engineers and Project Managers
		-		N.T.S.	Designed	LM	DEVELOPMENT	Level 7, 153 Walker Street North Sydney NSW 2060
				Grid MGA2020	Checked	AT	WESTLINK	ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055
D ISSUED FOR DEVELOPMENT APPLICATION	27-09-23		ESR	Height AHD	Approved	AT	KEMPS CREEK	www.atl.net.au info@atl.net.au
C ISSUED FOR DEVELOPMENT APPLICATION	12-09-23				001000			Status FOD ADDDOVAL
B ISSUED FOR DEVELOPMENT APPLICATION	23-02-23	3			GDA2020		COVER SHEET	FOR APPROVAL A1
A ISSUED FOR DEVELOPMENT APPLICATION	25-10-22			THIS DRAWING CANNOT BE	COPIED OR REPRODU	CED IN ANY FORM		NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. Issue
Issue Description	Date			OR USED FOR ANY OTHER FINTENDED WITHOUT T	PURPOSE OTHER THAN	THAT ORIGINALL		20-748-C5000 D

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			Bar Scales
Е	ISSUED FOR DEVELOPMENT APPLICATION	15-08-24	
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23	
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22	
Issue	Description	Date	



Client

Scales	NTC	Drawn	LM	Proje
	N.T.S.	Designed	LM	
Grid	MGA2020	Checked	AT	
Height Datum	AHD	Approved	АТ	Tible
				Title

GDA2020

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PROPOSED INDUSTRIAL
DEVELOPMENT
WESTLINK
KEMPS CREEK

DRAWING LIST

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Issue

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.

20-748-C5001

SITEWORKS NOTES

- 1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- 2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK, ANY DISCREPANCIES TO BE REPORTED TO AT & L.

3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.

- 4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- 5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE, WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMAPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. OR A DENSITY INDEX OF NOT LESS THAN 75
- 6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
- 7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116
- 8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1
- TEST PER 50m OF BASECOURSE MATERIAL PLACED.
- 9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF SUB-BASE COURSE MATERIAL PLACED.
- 10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S FORM 3051 AND 3051.1 WILL BE CONSIDERED SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
- 11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
- 12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

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.

- THE BOUNDARIES HAVE APPOROXIMATELY 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 ON OR **NEAR THE SITE**
- 8. 8/.4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
- SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
- 10. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX.
- 1°00' FOR TRUE NORTH 11. TREE SIZES ARE ESTIMATES ONLY

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Description

- 12. ONLY VISIBLE SERVICES HAVE BEEN LOCATED IN THIS SURVEY 13. SERVICE AND UTILITIES SHOWN ON PLAN HAVE BEEN LOCATED BY
- PHYSICAL EVIDENCE ON SITE ONLY AND MAY NOT HAVE BEEN OPENED TO VERIFY THE TYPE OF UTILITY. NEITHER EXCAVATION NOR POTHOLING HAVE BEEN CARRIED OUT TO CONFIRM UNDERGROUND LOCATION. SERVICE DETAILS SHOULD BE CONFIRMED WITH THE RELEVANT SERVICE AUTHORITY DURING DESIGN AND PRIOR TO ANY CONSTRUCTION
- 14. ALL DIMENSIONS MUST BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION
- 15. THE POSITION OF SURVEYED DATA HAS BEEN LOCATED AND IS SHOWN TO TOPOGRAPHIC ACCURACIES. IF CLEARANCES TO BOUNDARIES OR OTHER FEATURES ARE CRITICAL AND DIMENSIONS ARE NOT SHOWN FURTHER SURVEY MAY BE REQUIRED
- 16. BOUNDARIES ARE APPROXIMATE AND WILL REQUIRE FURTHER DEFINITION
- 17. ANY CONSTRUCTION ON OR NEAR BOUNDARIES WILL REQUIRE FURTHER SURVEY IN ORDER THAT MARKS DEFINING BOUNDARIES CAN BE PLACED

SURVEY NOTES CONTINUED

DURING THE COURSE OF THE SURVEY DISCREPANCIES BETWEEN MARKS PLACED IN DP 253503 WERE DETERMINED. PRIOR TO ANY CONSTRUCTION WORK WE RECOMMEND A PLAN OF REDEFINITION BE LODGED AT LRS TO "LOCK IN" SITE BOUNDARIES.

The title boundaries shown hereon were not marked at the time of survey and have been determined by plan dimensions only and not by field survey.

Services shown hereon have been located where possible by field survey. If not able to be so located, services have been plotted from the records of relevant authorities where available and have been noted accordingly on the plan. Where such records do not exist or are inadequate a notation has been made hereon.

Prior to any demolition, excavation or construction on the site, the relevant authority should be contacted for possible location of further underground services and detailed locations of all services

CONCRETE NOTES

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

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

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
- 3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
- 4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE
- 5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS, BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- 6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S SPECIFICATION R83.

7. REINFORCEMENT SYMBOLS:

- N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
- R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302 SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304

NUMBER OF BARS IN GROUP _ _ BAR GRADE AND TYPE

NOMINAL BAR SIZE IN mm | LSPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 1304.

8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING



KERBING NOTES

Bar Scales

- 1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF MPa U.N.O IN REINFORCED CONCRETE NOTES.
- 2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
- 3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- 4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- 5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
- 6. IN THE REPLACEMENT OF KERB AND GUTTER: 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

- (A) AVERAGE RECURRENCE INTERVAL 1:100 YEARS MAJOR STORM (OVERLAND FLOW) AND PIPED NETWORK 1:20 YEARS MINOR STORM (PIPED NETWORK) (B) RAINFALL INTENSITIES:
- TIME OF CONCENTRATION: 6 MINUTES 1:100 YEARS= 219 mm/hr 1:20 YEARS= 167 mm/hi (C) RUNOFF COEFFICIENTS:
- ROOF AREAS: C 100 =1.0 EXTERNAL PAVEMENTS: C 100 =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
- E. 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 AS/NZS 3500 3.2
- 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.
- 1. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- 12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
- 13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- . 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

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

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

- 1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- 2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH a. LOCAL AUTHORITY REQUIREMENTS
- b FPA REQUIREMENTS c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH
- 3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- 4. WHEN STORMWATER PITS ARE CONSTRUCTED. PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- 5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY, REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

- 6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN 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
- (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

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

SEDIMENT CONTROL

- 9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT
- 10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN
- 10 WORKING DAYS FROM PLACEMENT. 11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- 12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

- 13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- 14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
- (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
- (B) ENSURING THAT NOTHING IS NAILED TO THEM (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING

OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE

- FOLLOWING CONDITIONS. (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE
- (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

AND THE TRUNK, WHICH EVER IS THE GREATER

(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 AS2601-2001 - DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.

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

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

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

NOTE:

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

FINISHED SURFACE LEVELS

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



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

CONTRACTOR SHALL CALL;

Datum

Client

Scales

N.T.S.

MGA2020

GDA2020

LM

LM

ΑT

ΑT

Designed

Checked

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GENERAL NOTES

PROPOSED INDUSTRIAL

DEVELOPMENT

WESTLINK

KEMPS CREEK

Fax: 02 9923 1055 www.atl.net.au info@atl.net.au FOR APPROVAL

Civil Engineers and Project Managers

NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 20-748-C5002

Issue

Level 7, 153 Walker Street

North Sydney NSW 2060 ABN 96 130 882 405

Tel: 02 9439 1777

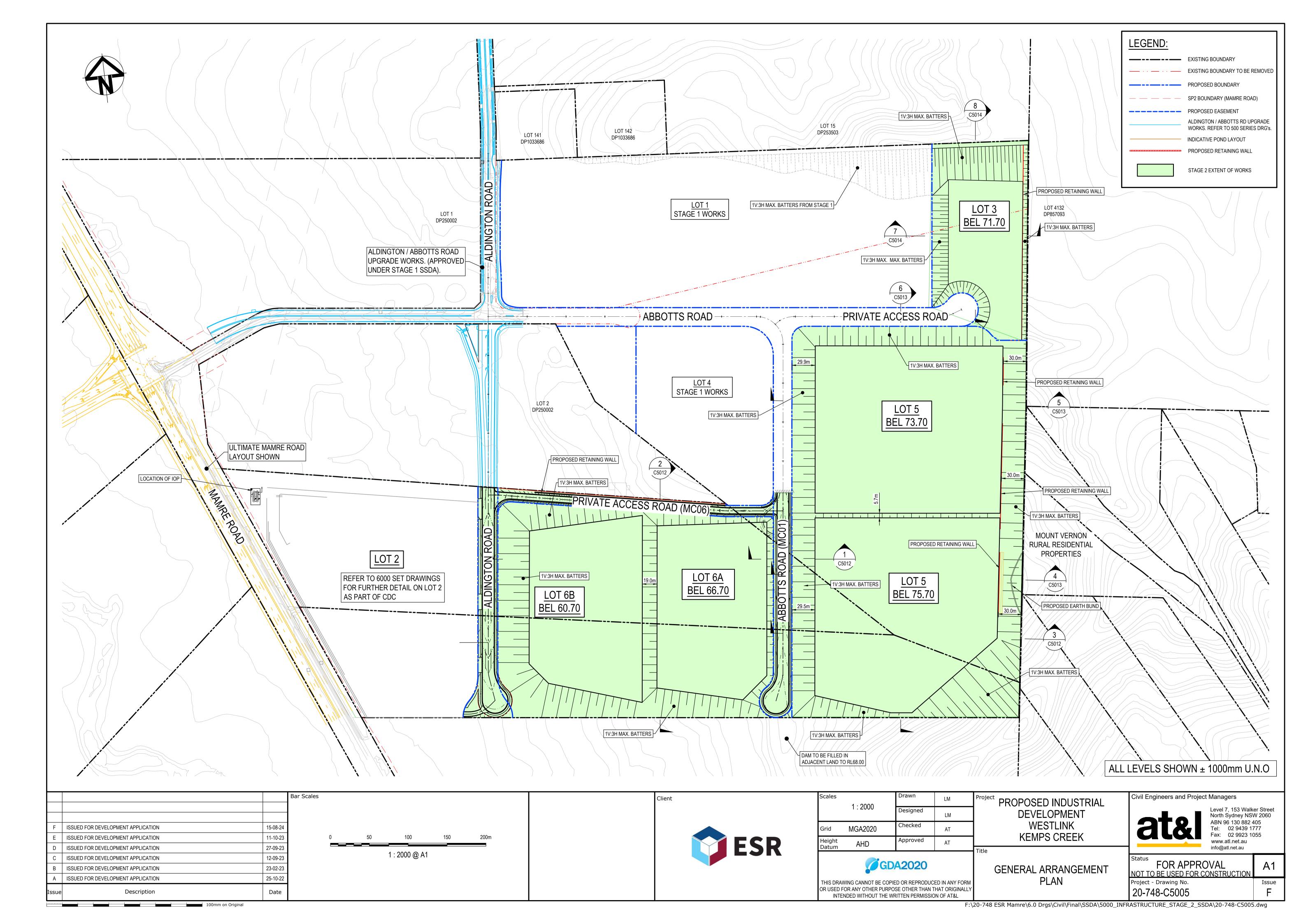
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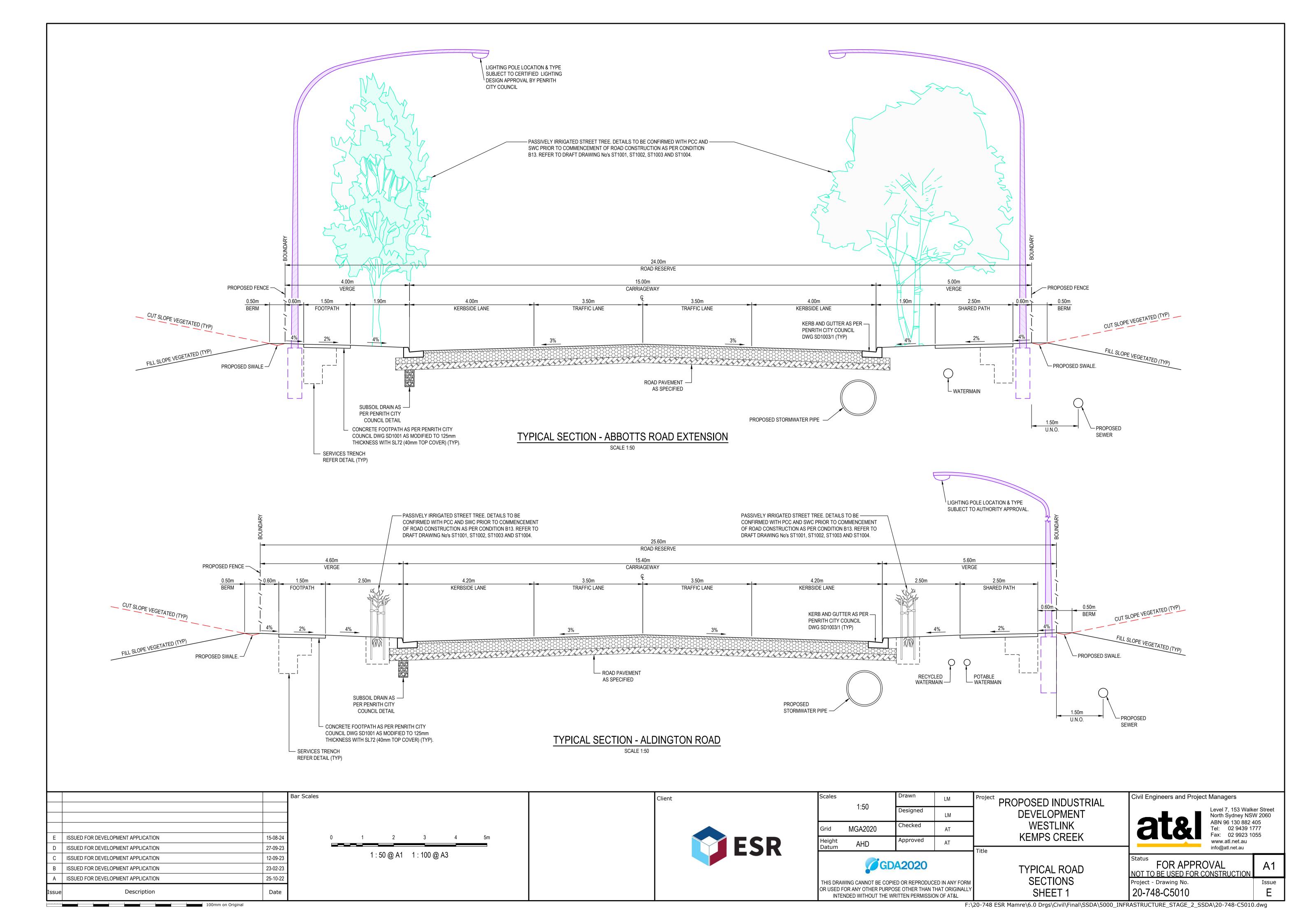
27-09-23 12-09-23

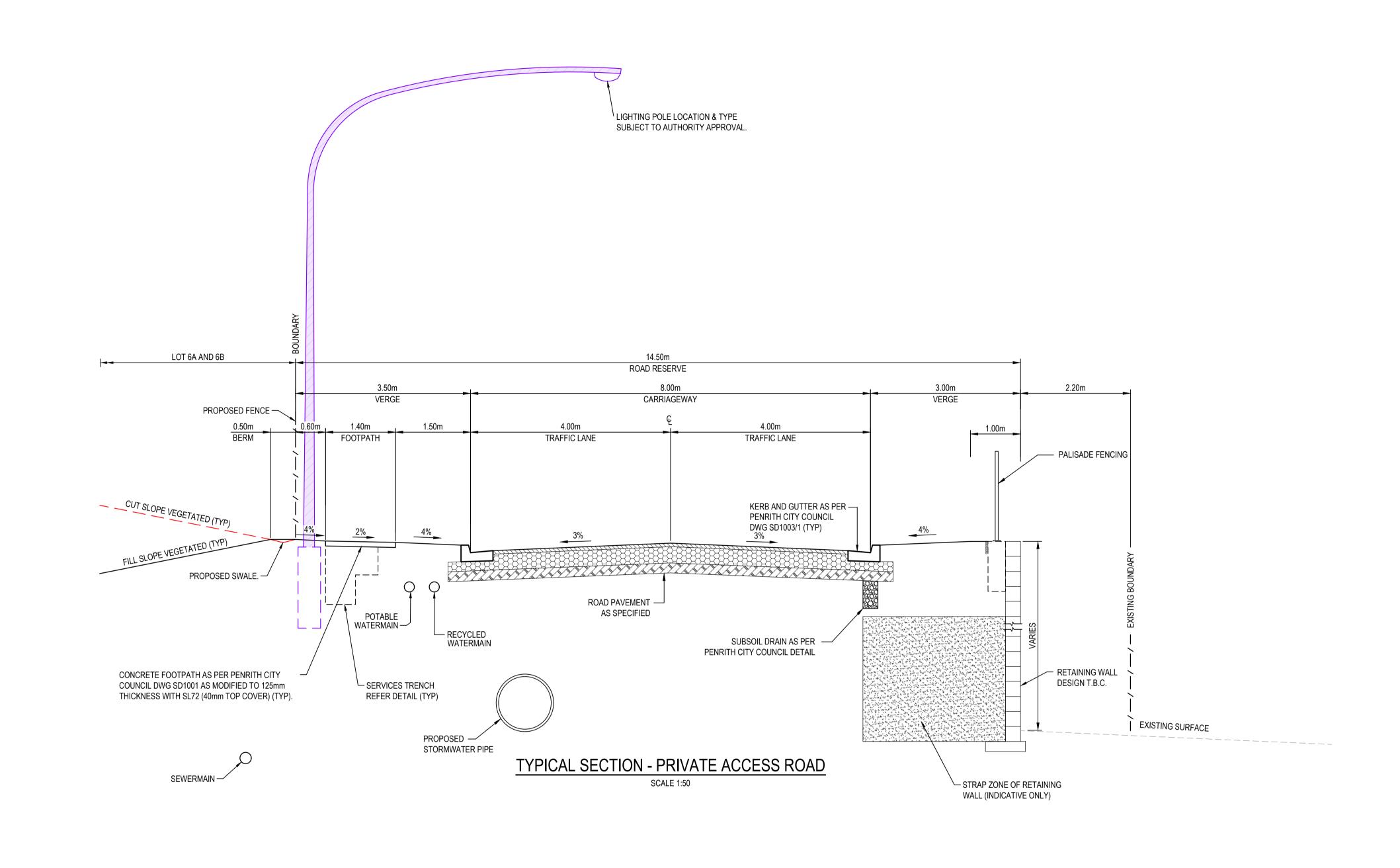
23-02-23

25-10-22

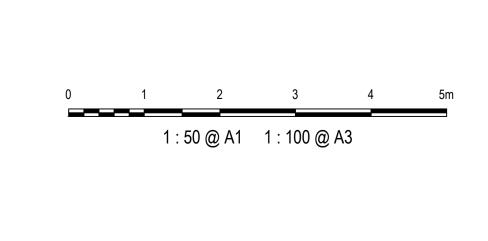
Date







			Bar Scales
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23	
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22	
Issue	Description	Date	





Client

Scales	1.50	Drawn	LM	Proj
	1:50	Designed	LM	
Grid	MGA2020	Checked	AT	
Height Datum	AHD	Approved	AT	

GDA2020

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PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

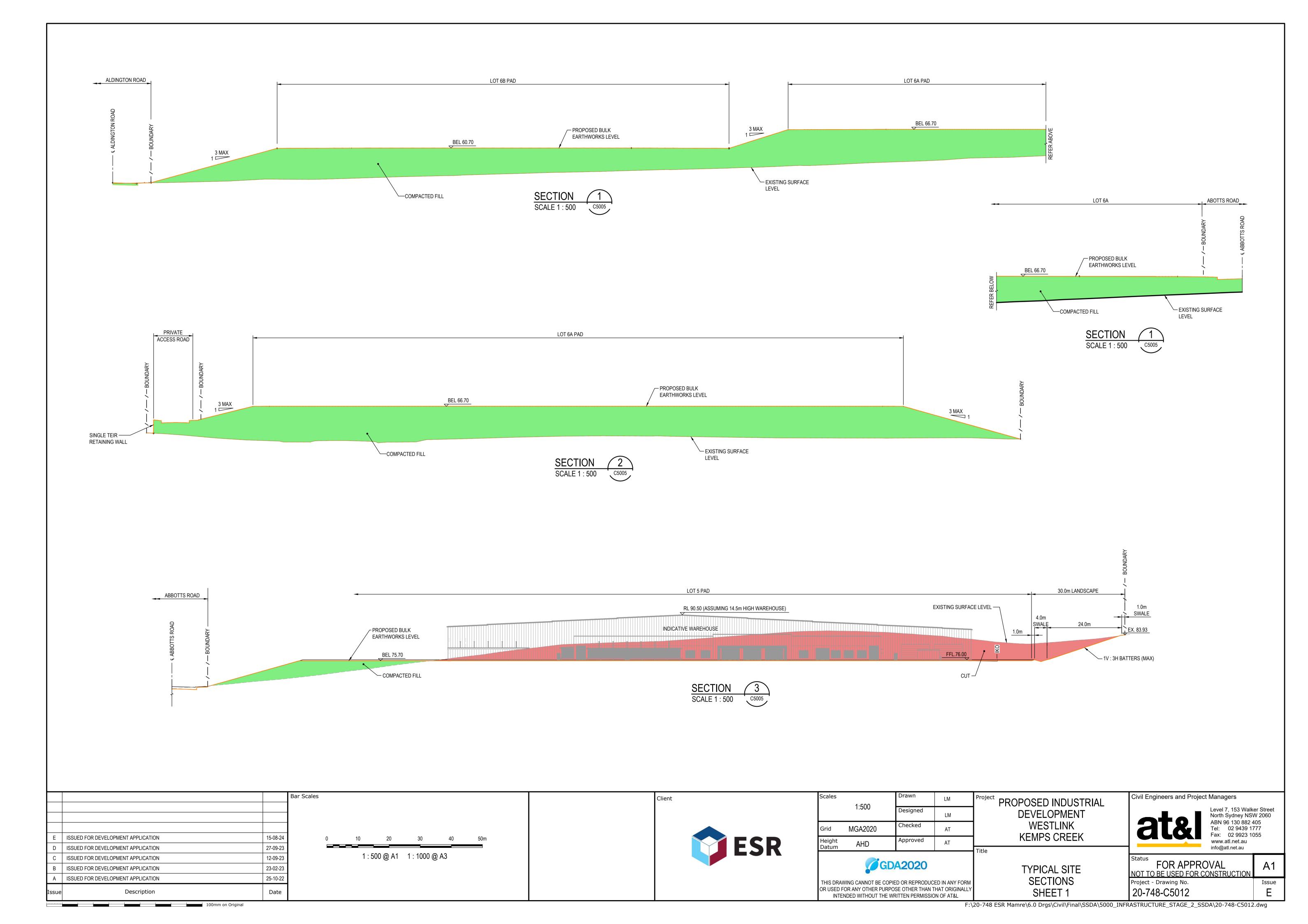
> TYPICAL ROAD SECTIONS SHEET 2

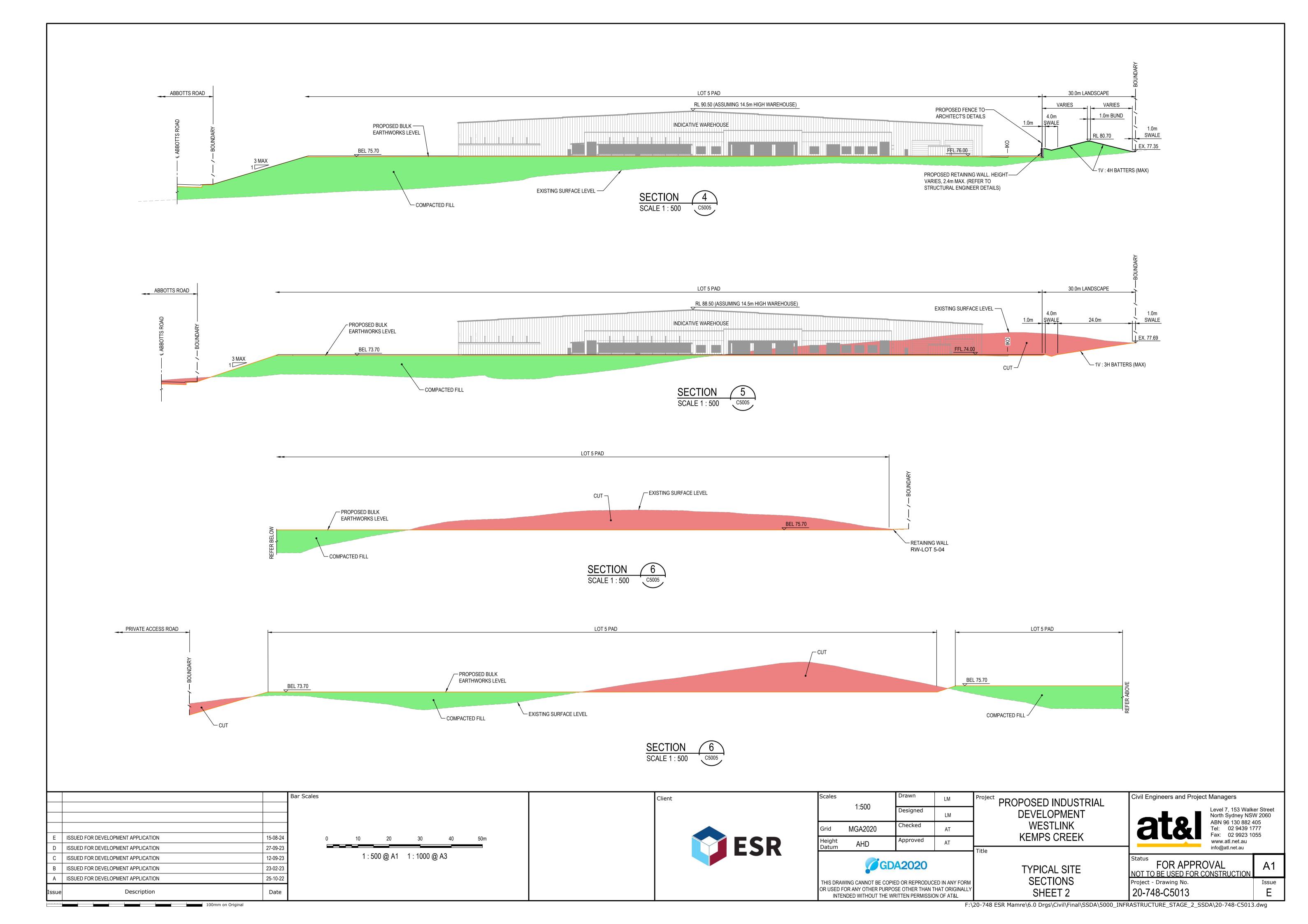
Civil Engineers and Project Managers

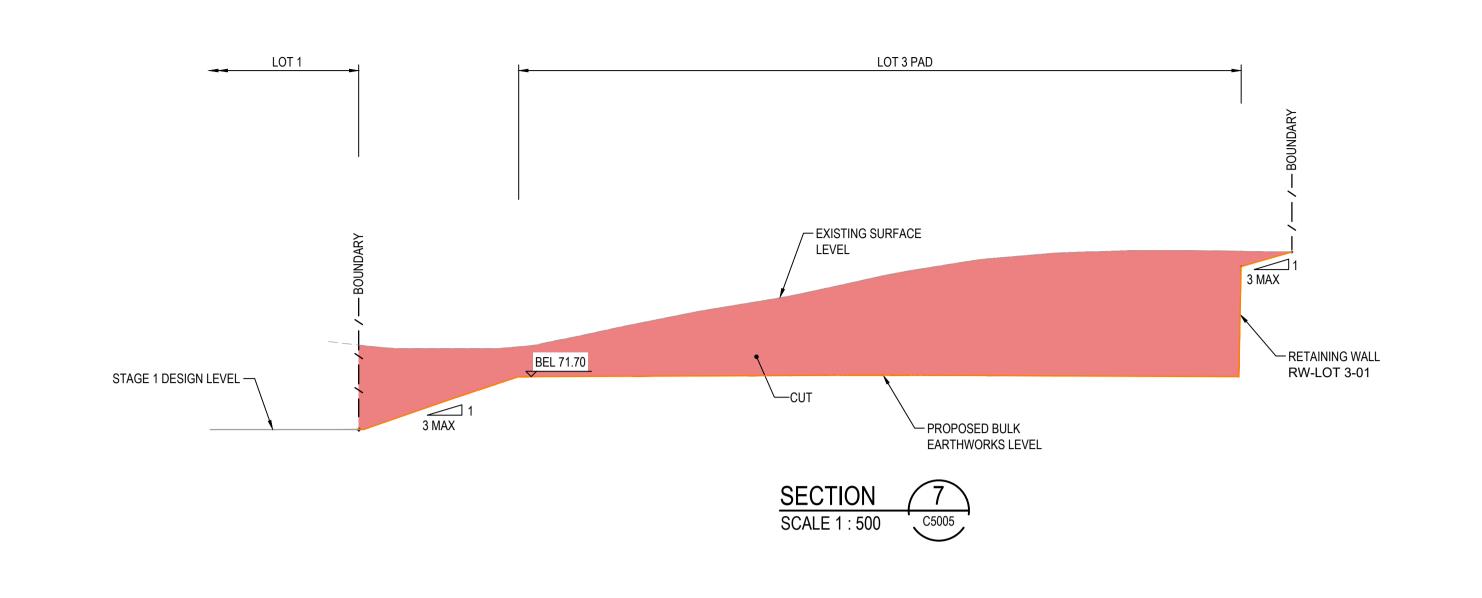
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au

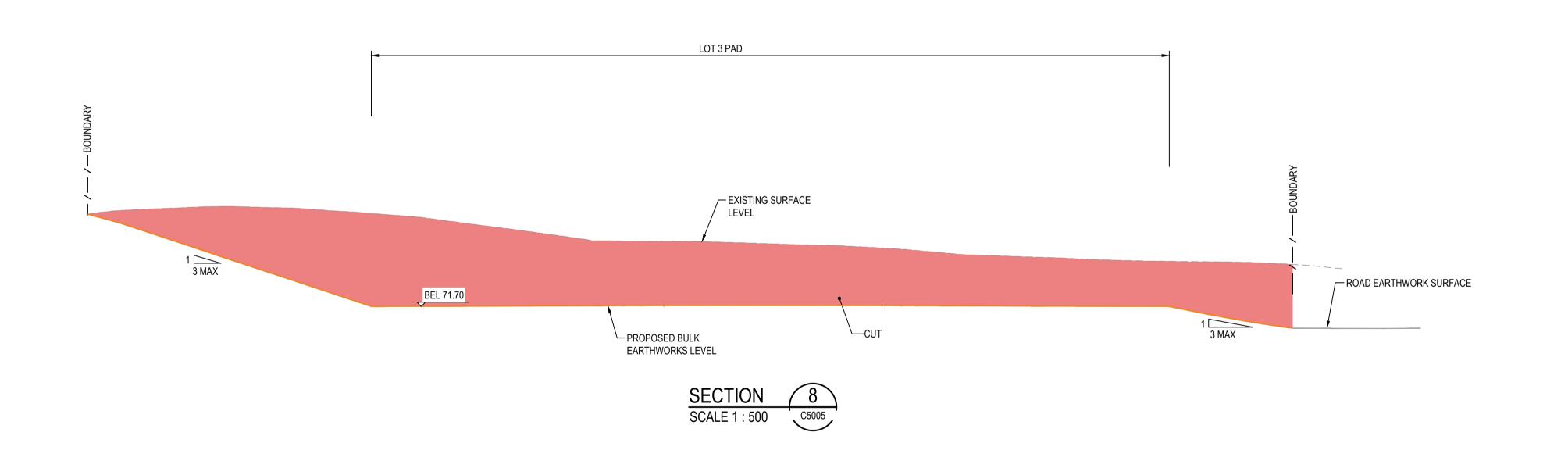
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. 20-748-C5011

Issue









			Bar Scales	5								
			1									
			-									
			_	0	10	20	30	40	50m			
D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	1		 							
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23			1 : 50	00 @ A1	1:1000@	A3				
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23										
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22										
Issue	Description	Date										

Bar Scales



Scales	1.500	Drawn	LM	Proj
	1:500	Designed	LM	
Grid	MGA2020	Checked	AT	
Height	AHD	Approved	AT	
Datum				Title

GDA2020
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ect	PROPOSED INDUSTRIAL
	DEVELOPMENT
	WESTLINK
	KEMPS CREEK

SHEET 3

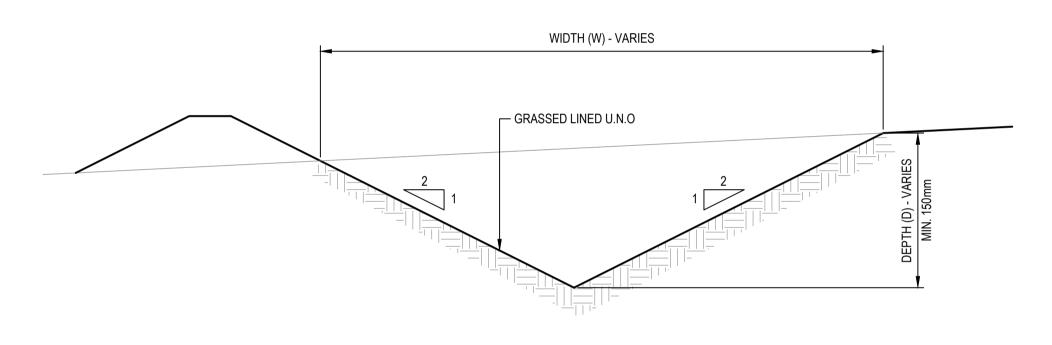
CA CC
Status FOD /
FOR A
NOT TO BE USE!

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

TYPICAL SITE SECTIONS

APPROVAL SED FOR CONSTRUCTION Project - Drawing No. Issue 20-748-C5014

Civil Engineers and Project Managers



CATCH DRAIN DETAIL SCALE 1:10

Client

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date
	•	

1:10 @ A1 1:20 @ A3

Bar Scales



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

GDA2020

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ct	PROPOSED INDUSTRIAL
	DEVELOPMENT
	WESTLINK
	KEMPS CREEK

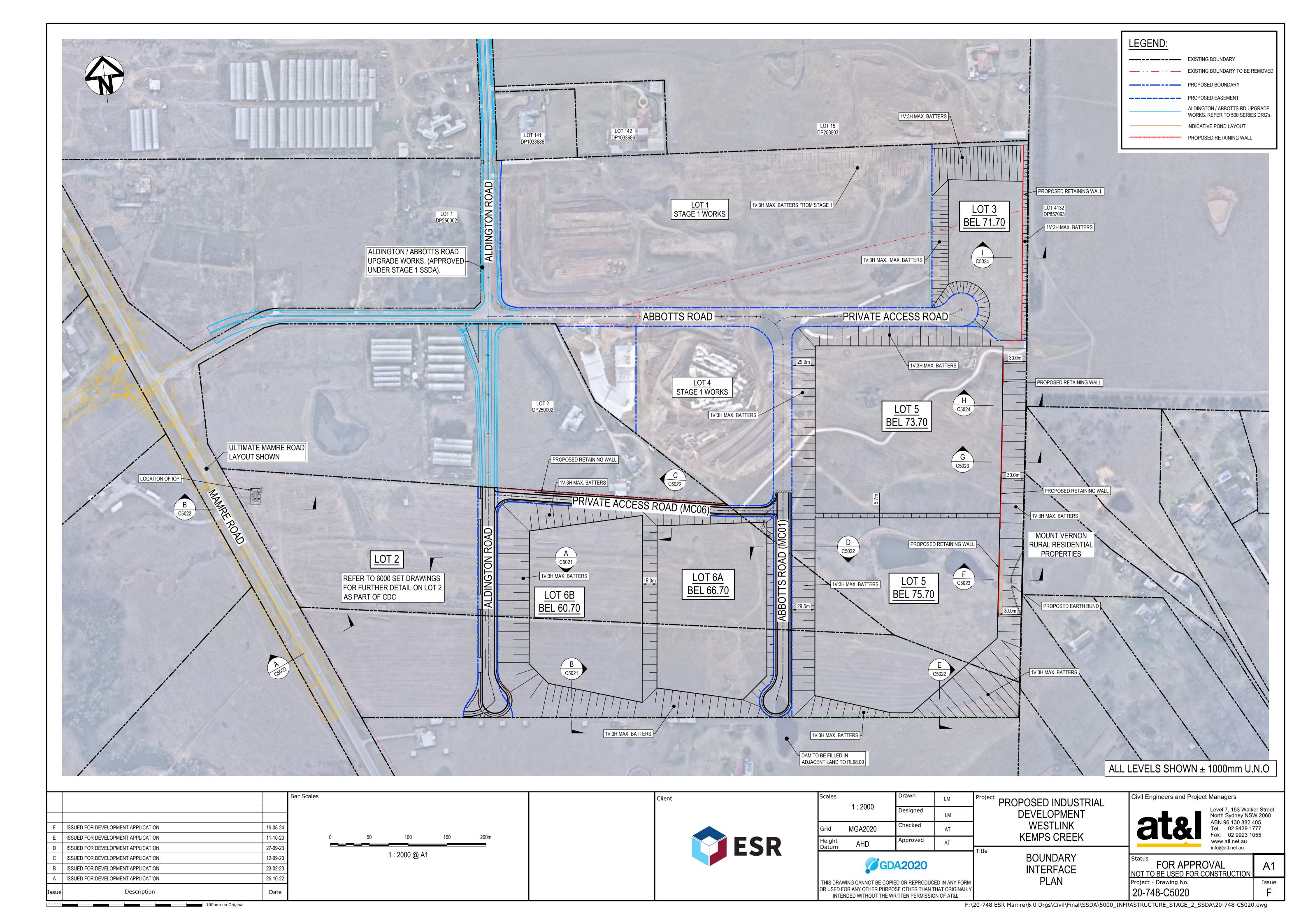
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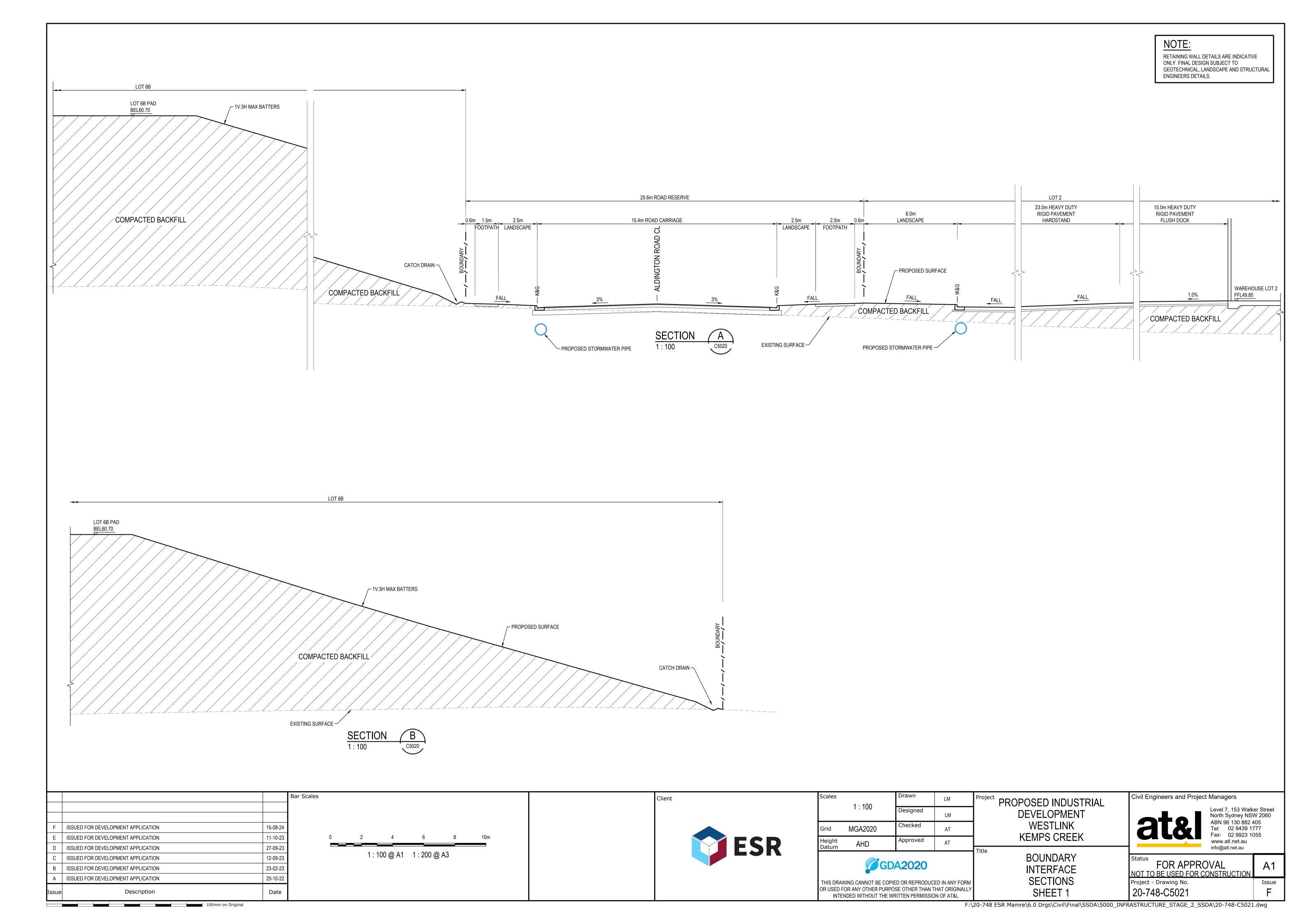
SHEET 1

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

Civil Engineers and Project Managers

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No. **A**1 Issue 20-748-C5016





NOTE: RETAINING WALL DETAILS ARE INDICATIVE ONLY. FINAL DESIGN SUBJECT TO GEOTECHNICAL, LANDSCAPE AND STRUCTURAL ENGINEERS DETAILS. LOT 5 5.0m LANDSCAPE 14.5m ROAD RESERVE PROPOSED FENCE TO \ 8.0m ROAD CARRIAGE ARCHITECT 'S SPECIFICATION VERGE _ EXISTING SURFACE PROPOSED SAFETY FENCE TO ARCHITECT 'S SPECIFICATION - 1V:3H MAX BATTERS LOT 5 PAD BEL75.70 – PRÓPOSÉD STÓRMWÁTER PIPE PROPOSED RETAINING WALL (TYPE OF RETAINING WALL T.B.C.) - PROPOSED SURFACE **RETAINING WALL** STRAP ZONE 24.0m ROAD RESERVE LOT 6A 0.6m 1.5m 1.9m 15.0m ROAD CARRIAGE CATCH DRAIN -LOT 6A PAD BEL66.70 COMPACTED BACKFILL PROPOSED STORMWATER PIPE EXISTING SURFACE -Scales Civil Engineers and Project Managers Client LM PROPOSED INDUSTRIAL 1:100 Level 7, 153 Walker Street North Sydney NSW 2060 Designed DEVELOPMENT LM ABN 96 130 882 405 WESTLINK Checked MGA2020 ΑT Tel: 02 9439 1777 KEMPS CREEK Fax: 02 9923 1055 Height Datum www.atl.net.au info@atl.net.au

GDA2020

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BOUNDARY

INTERFACE

SECTIONS

SHEET 2

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Issue

Project - Drawing No.

20-748-C5022

LANDSCAPE -

0.6m 1.4m

FALL

VERGE

LOT 6A

_ 1V:3H MAX BATTERS

PROPOSED SURFACE

EXISTING SURFACE -

CATCH DRAIN -

COMPACTED BACKFILL

LOT 5

- PROPOSED SURFACE

1:100 @ A1 1:200 @ A3

/- 1V:3H MAX BATTERS

Bar Scales

15-08-24

27-09-23

12-09-23

23-02-23

25-10-22

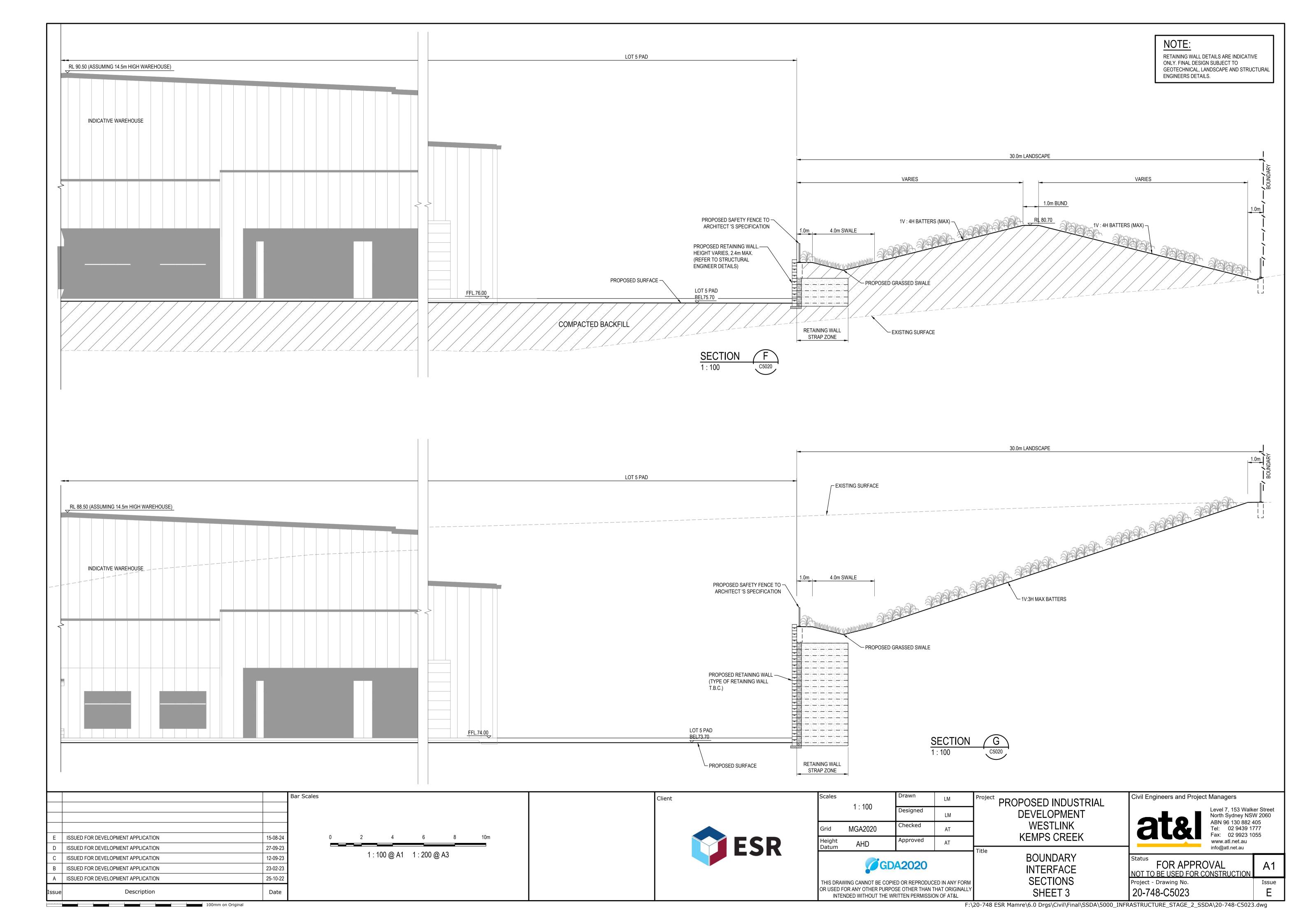
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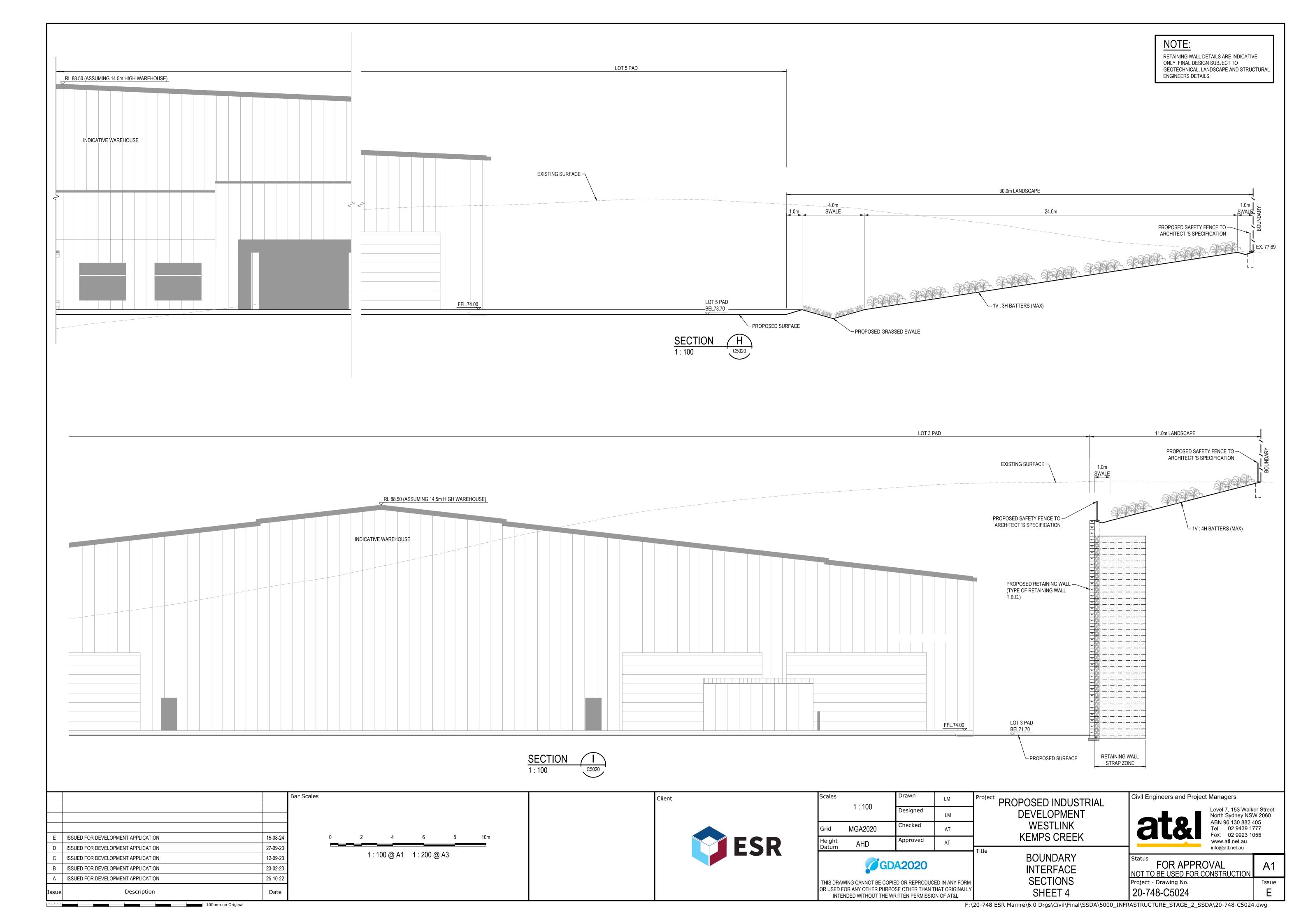
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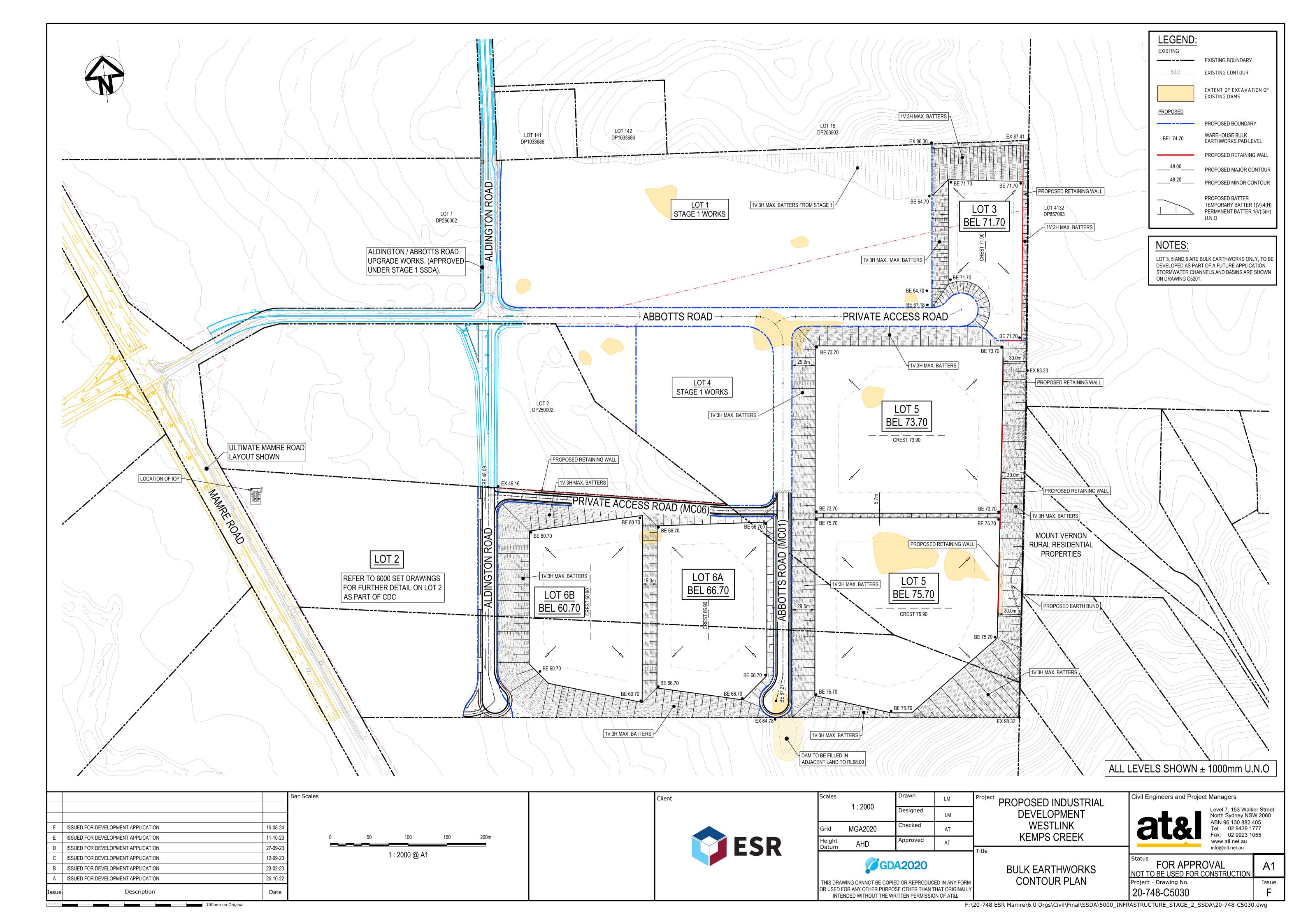
LOT 5 PAD BEL75.70

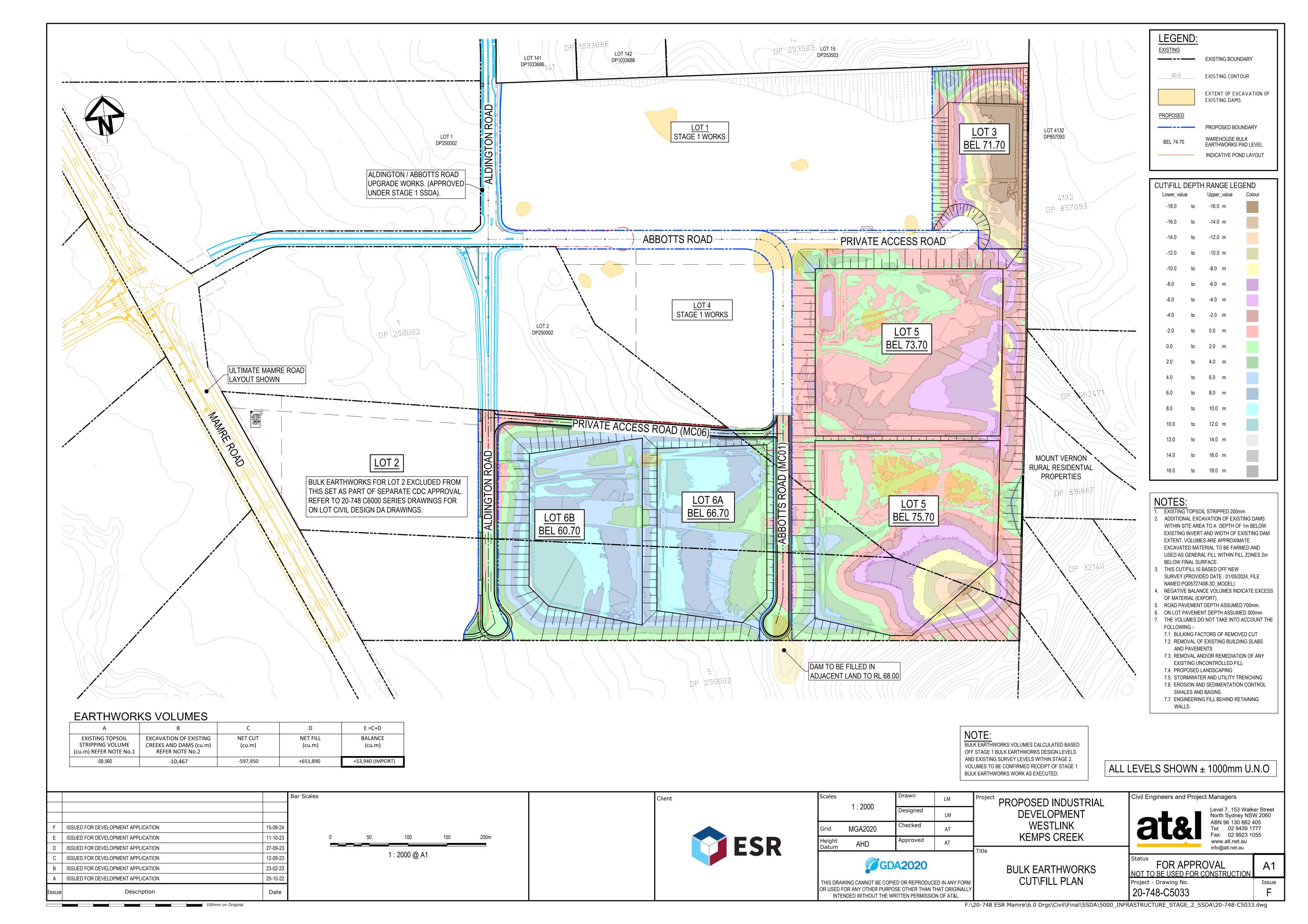
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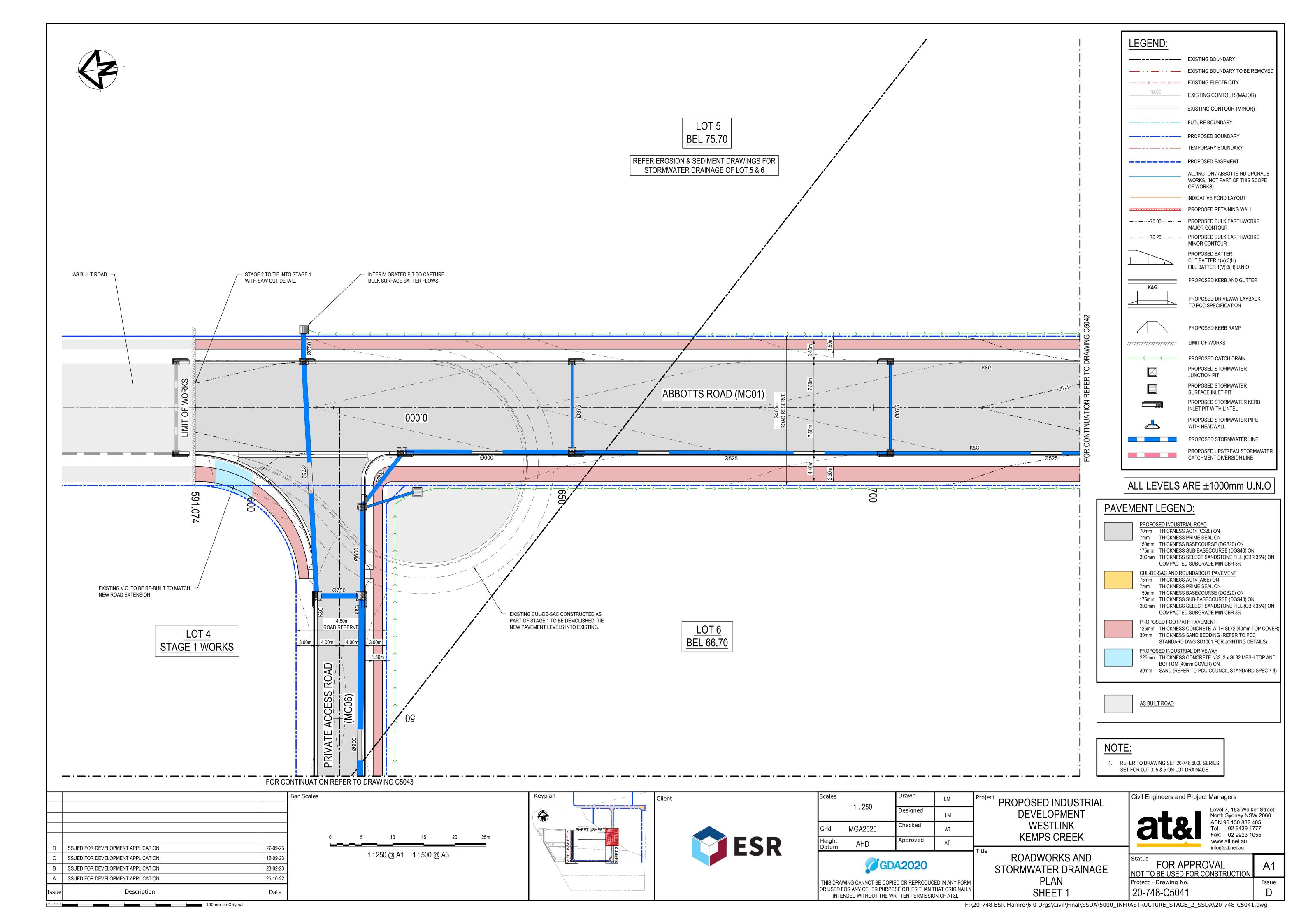
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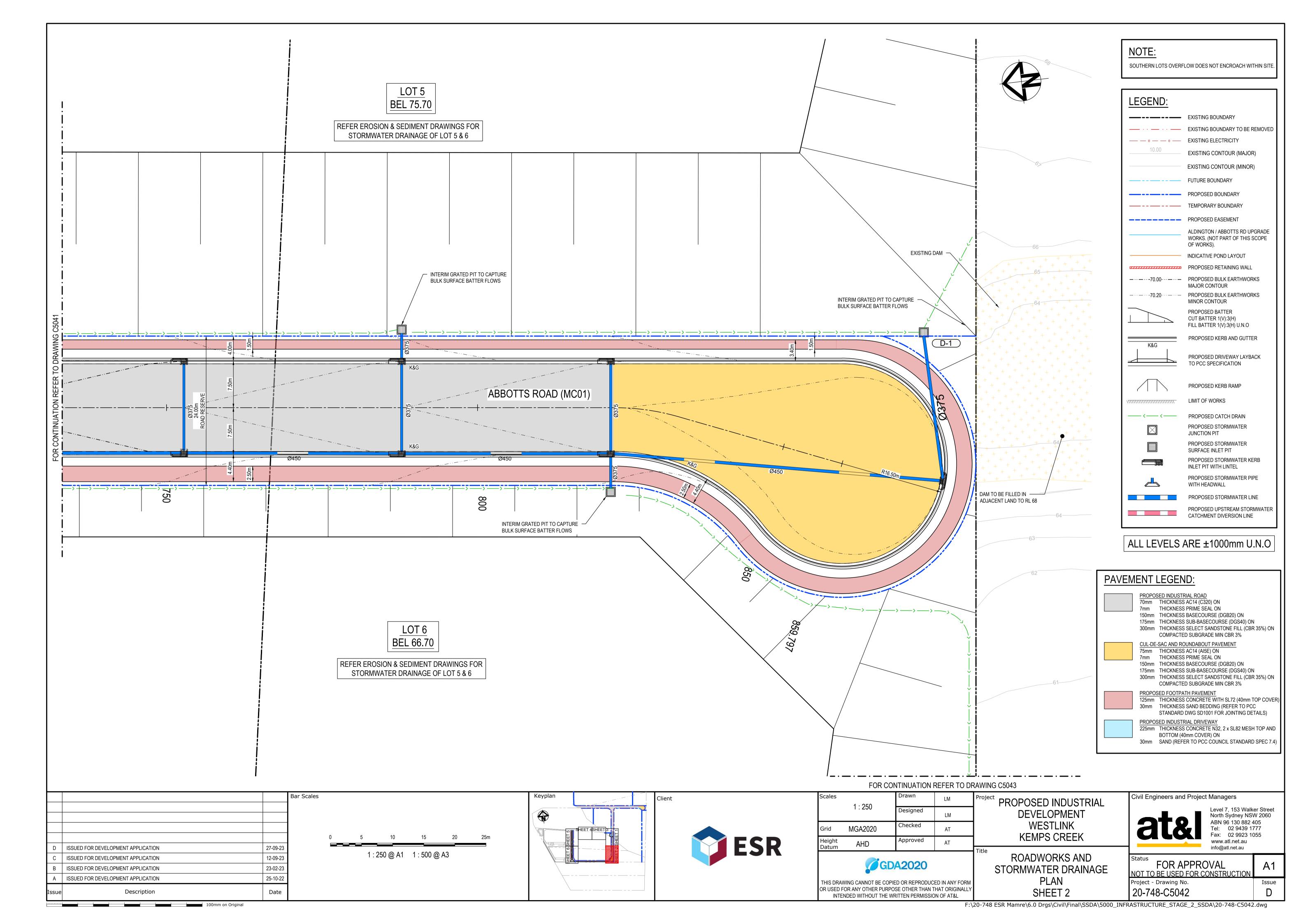


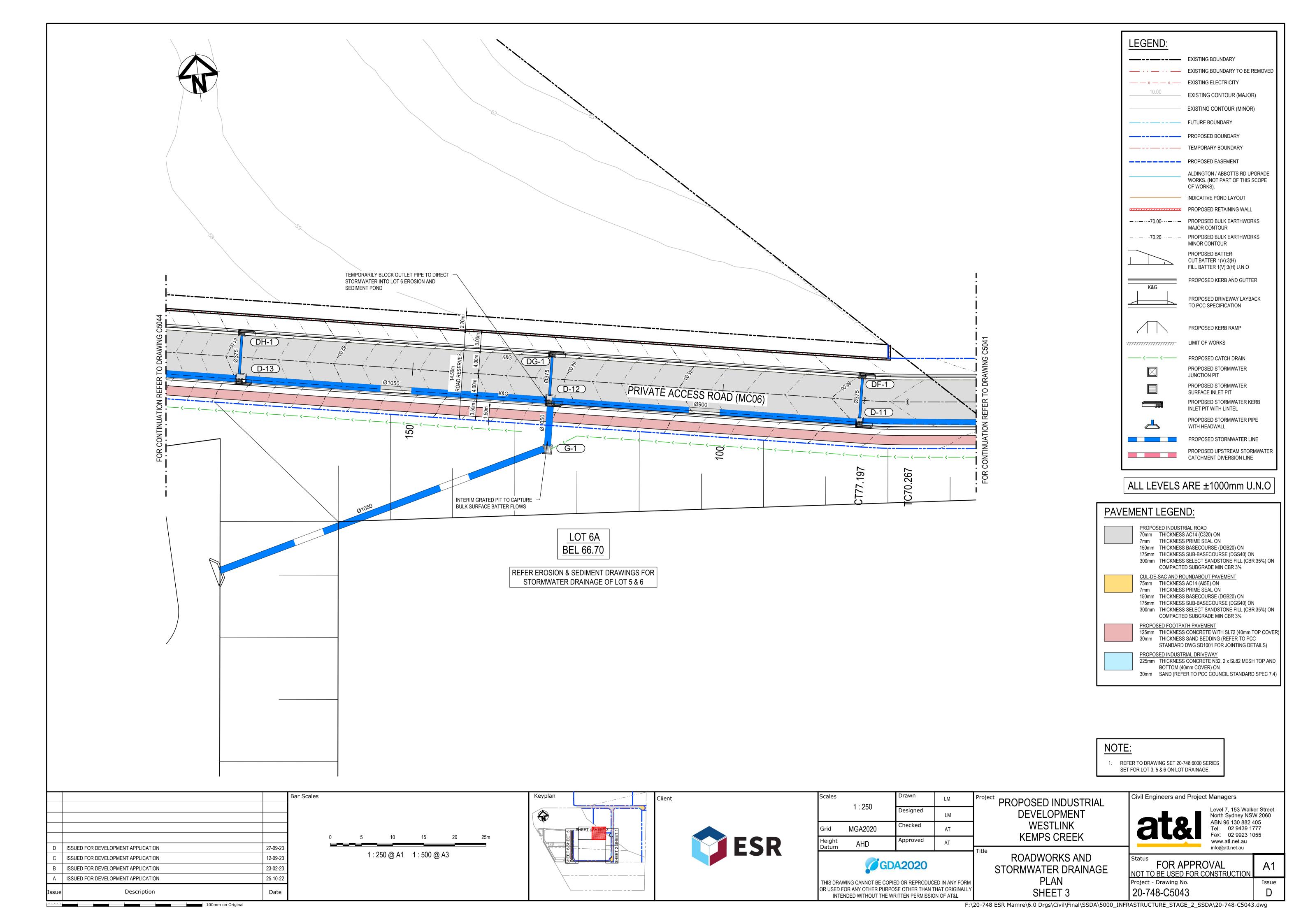


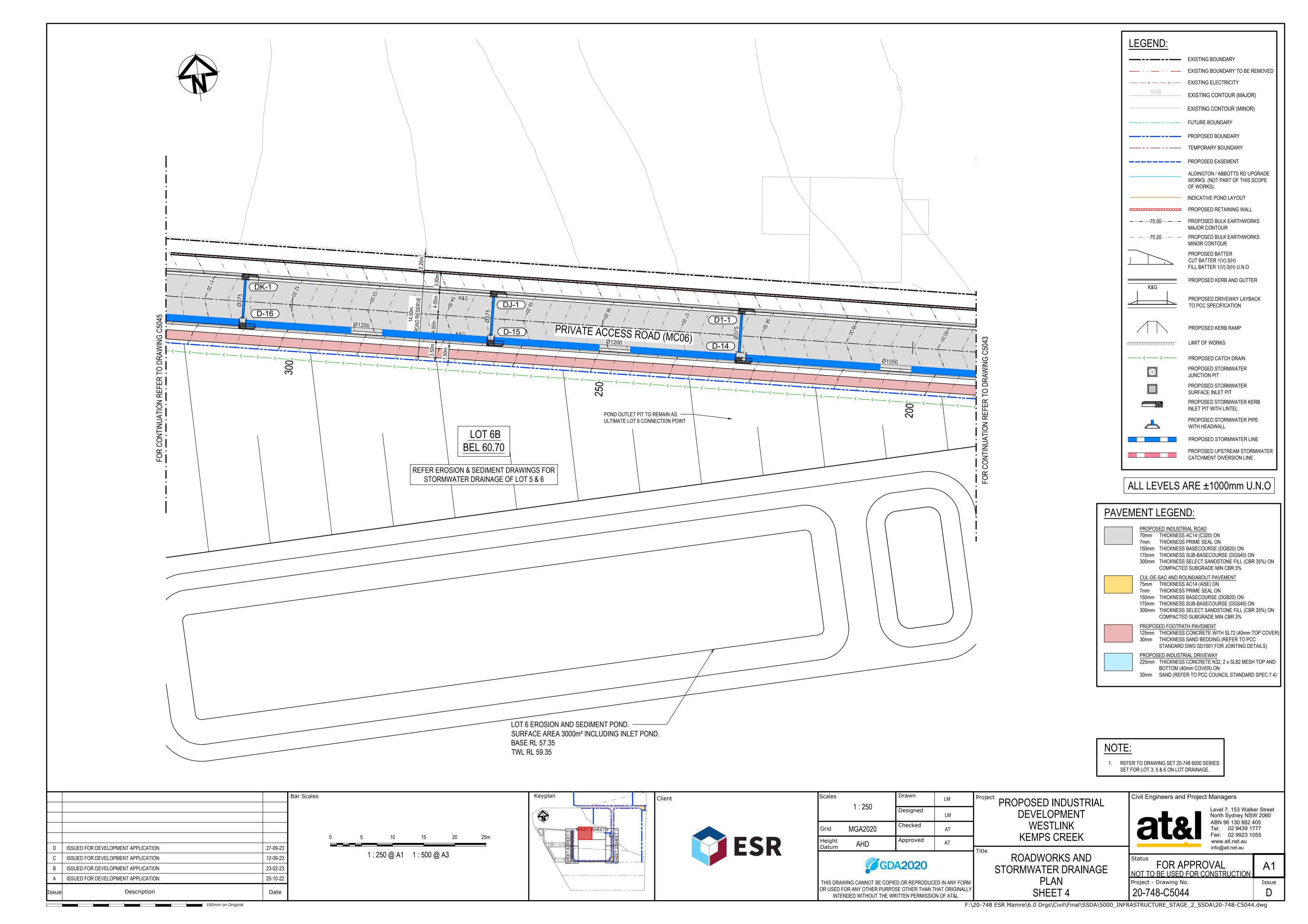


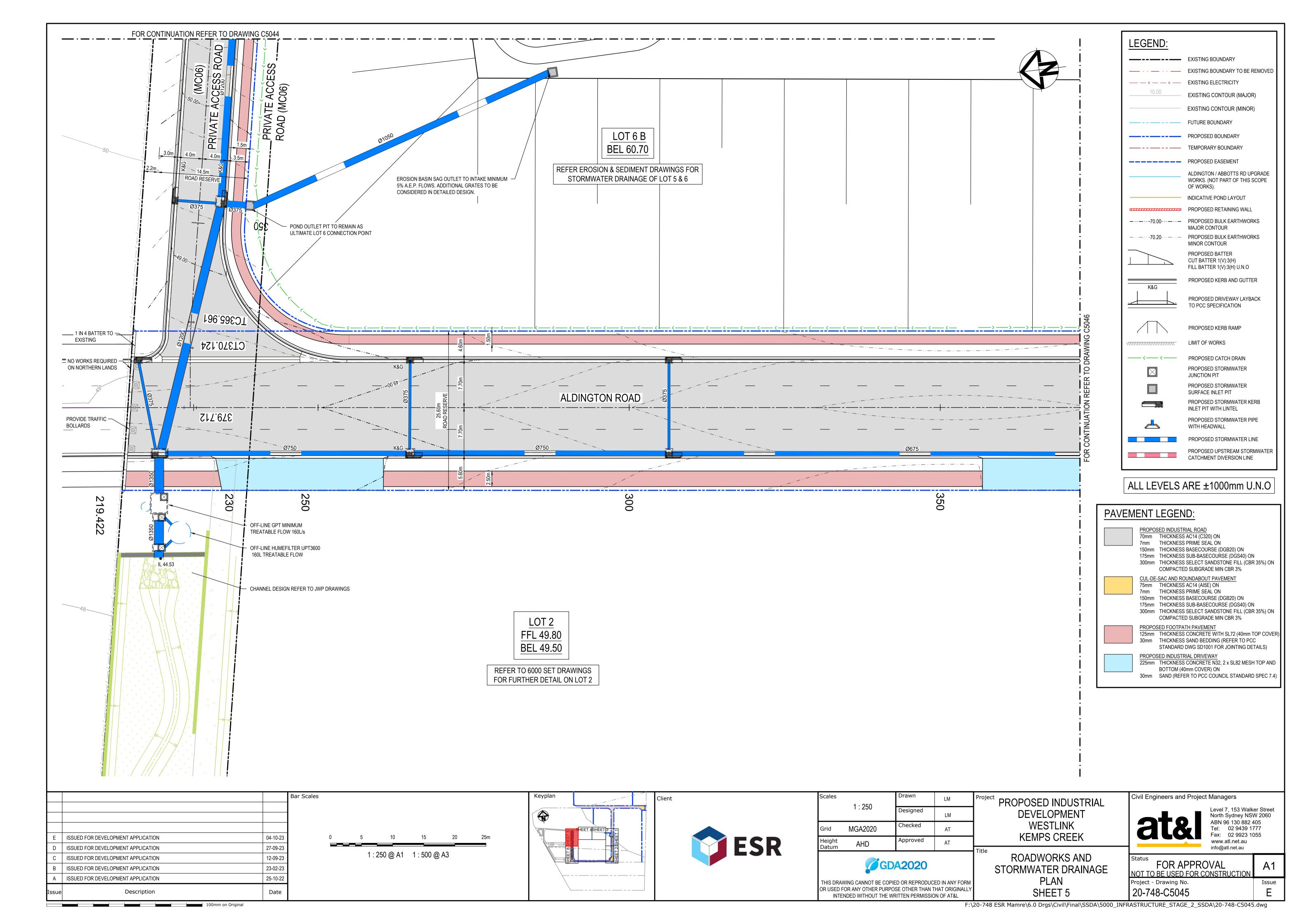


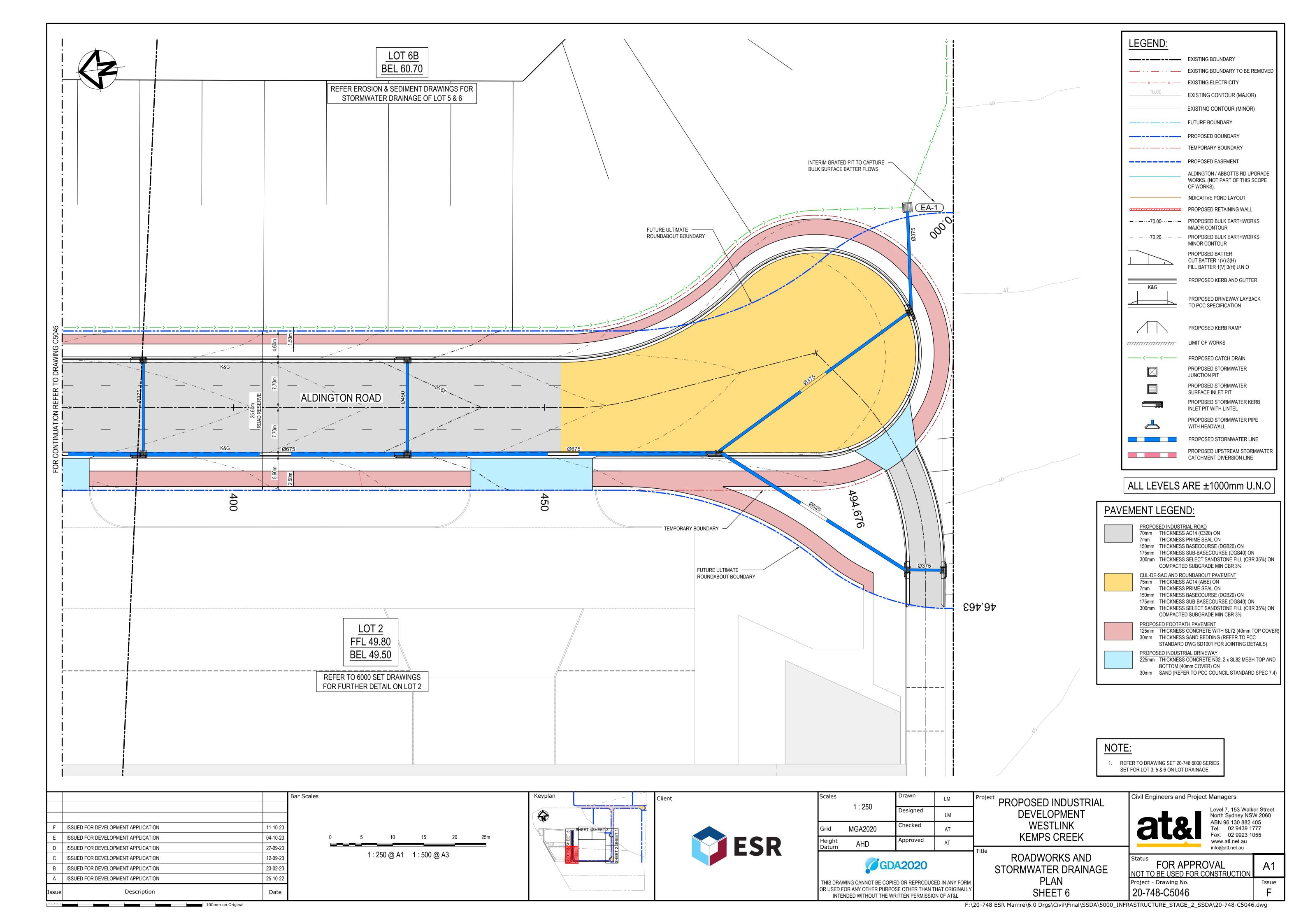


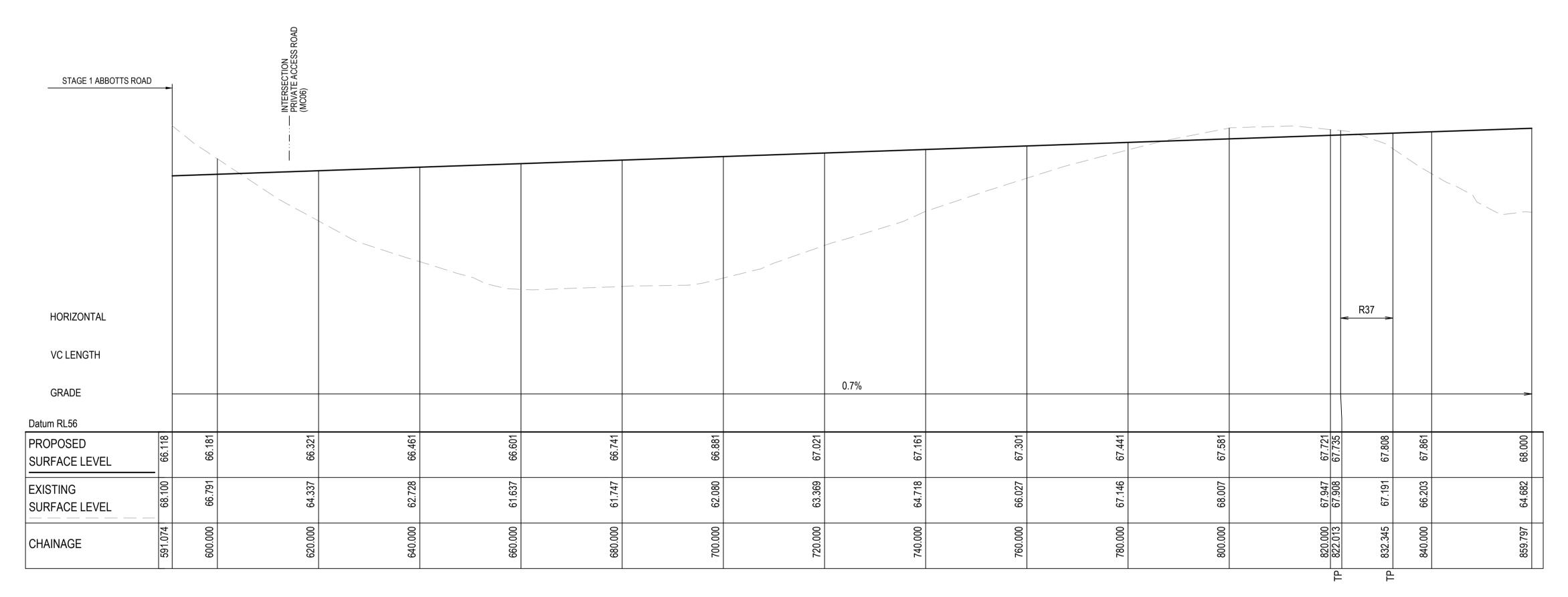






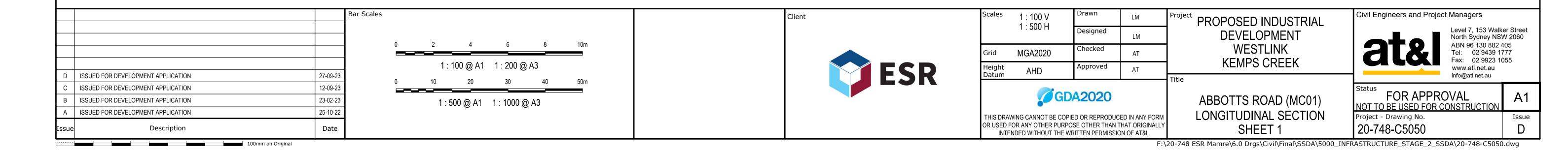


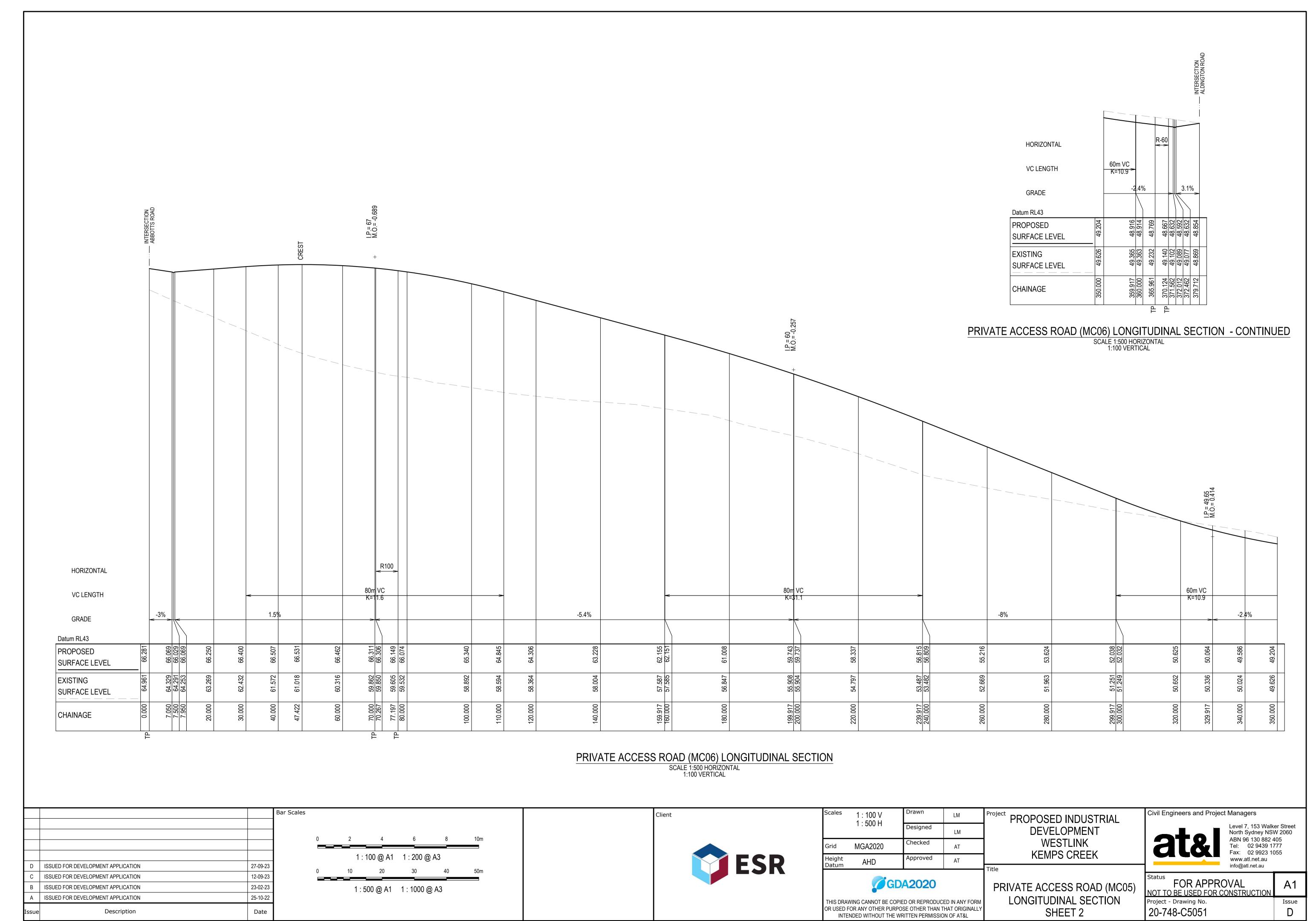


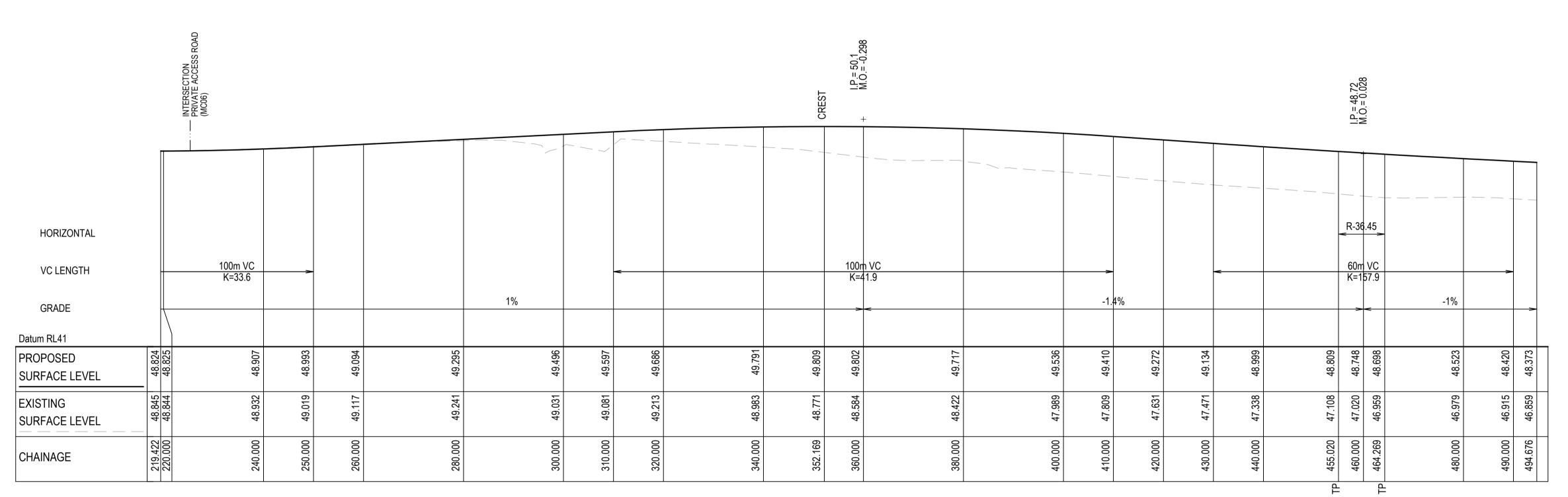


ABBOTTS ROAD (MC01) LONGITUDINAL SECTION

SCALE 1:500 HORIZONTAL
1:100 VERTICAL

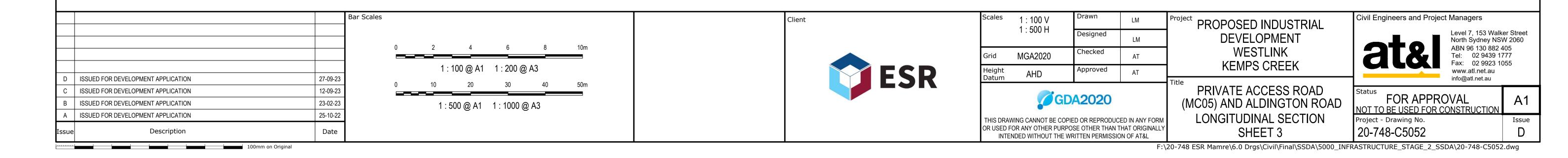


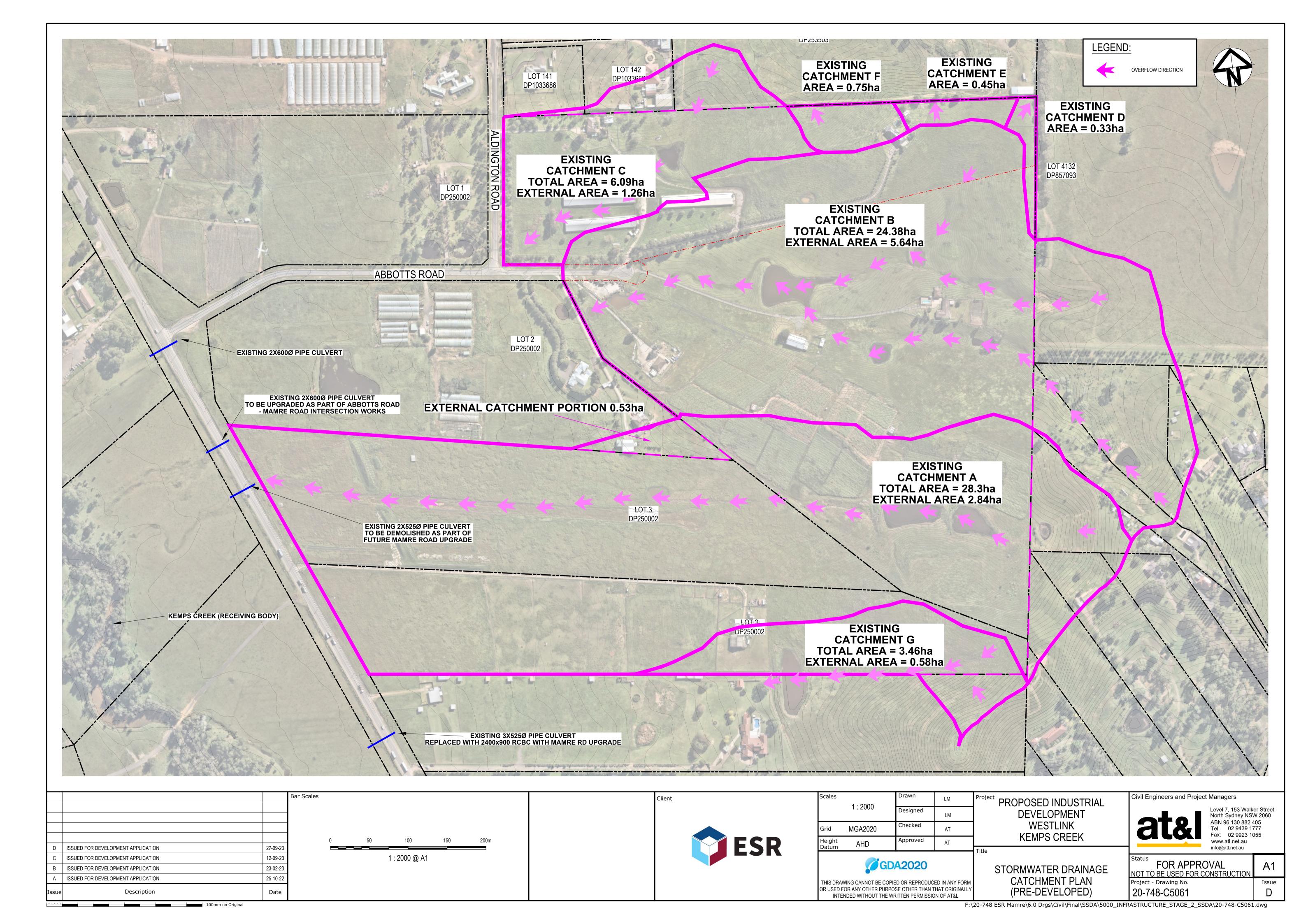


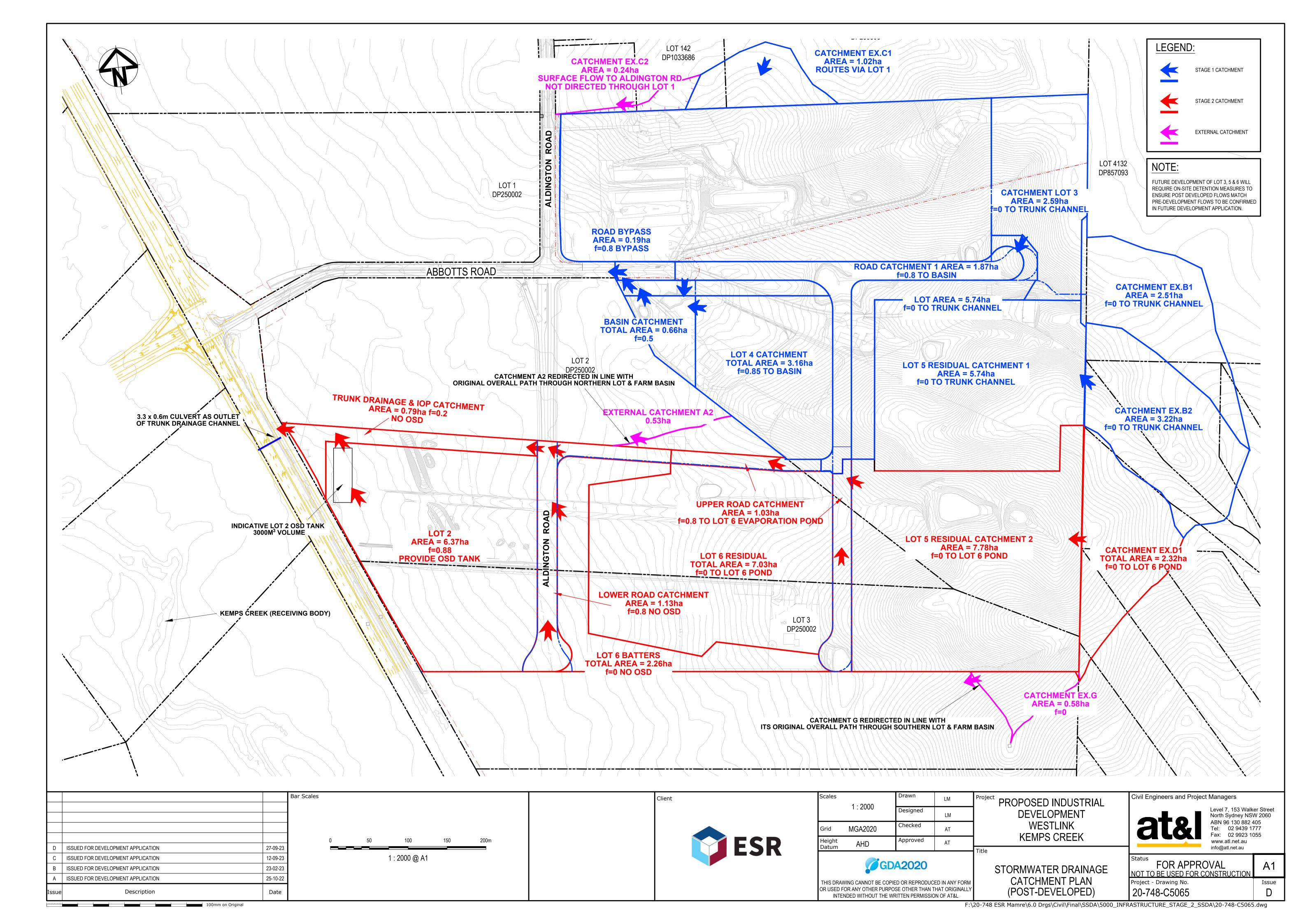


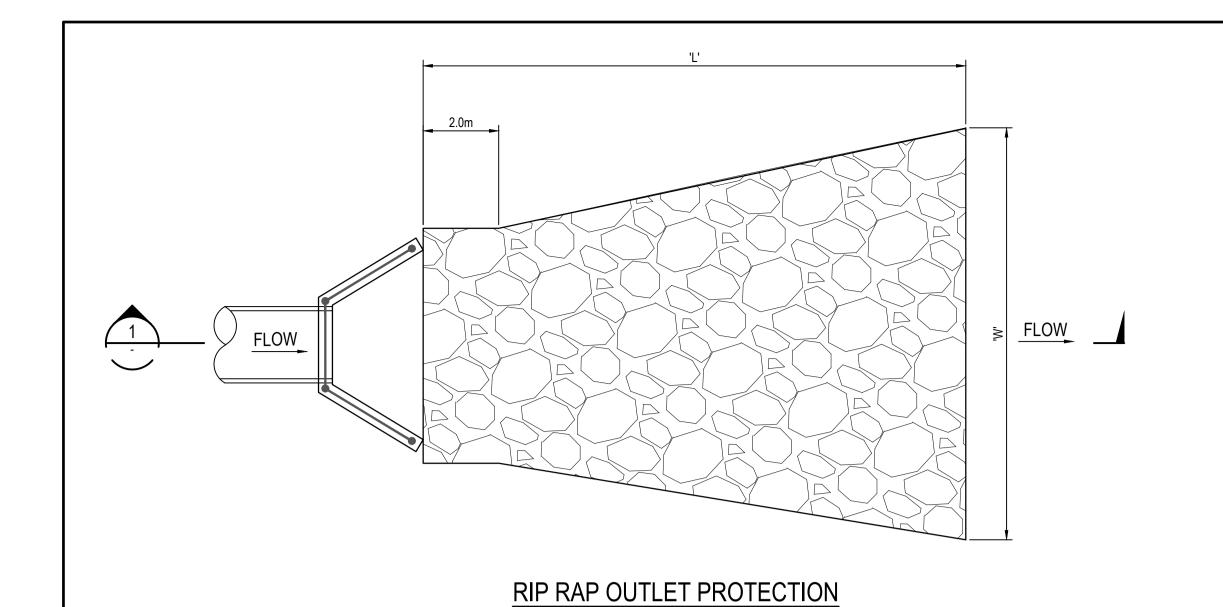
ALDINGTON ROAD LONGITUDINAL SECTION

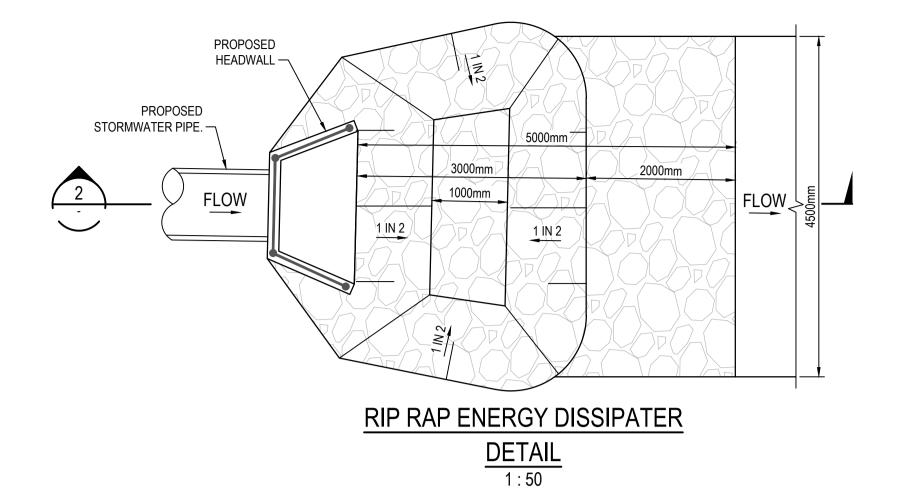
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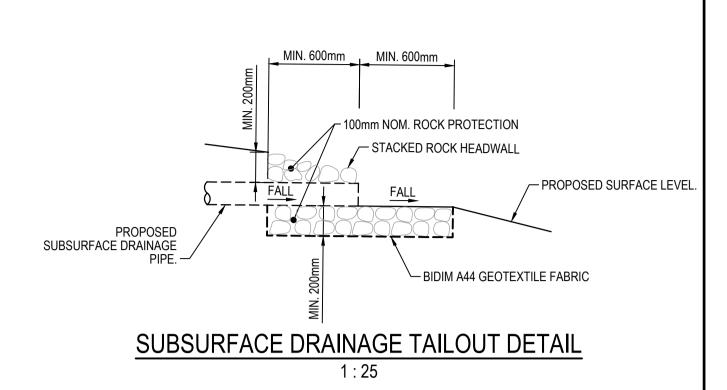


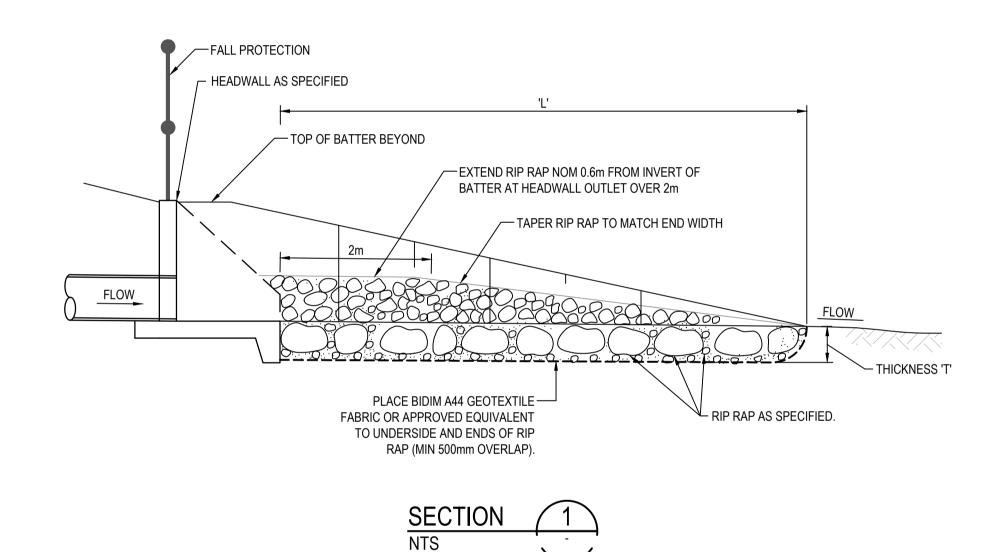






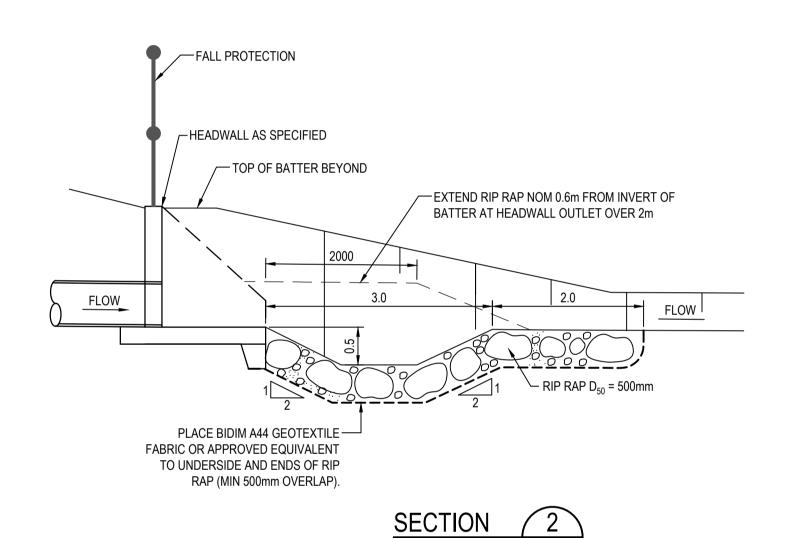






TYPE 1 DETAIL

1:100



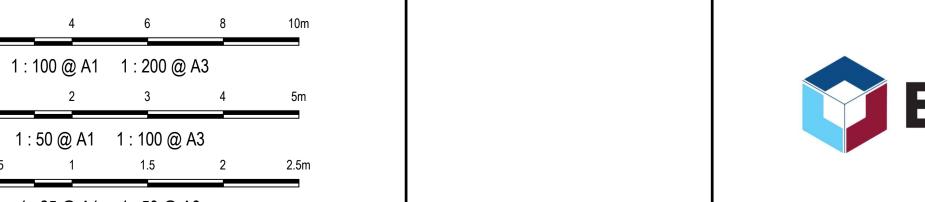
		ROCK DISTRIBUTION BY %				
	200mm	300mm	400mm	500mm	600mm	
	400	600	750	850	900	15-25%
ROCK SIZE	300	400	525	600	750	20%
(mm)	200	300	400	500	600	50%
	75	100	150	150	200	15-25%

ROCK GRADATION TABLE

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date

100mm on Original

Bar Scales						
	0	2	4	6	8	10m
		1:1	100 @ A1	1:200@	A3	
	0	1	2	3	4	5m
		1:	50 @ A1	1:100@	A3	
	0	0.5	1	1.5	2	2.5m
		1:	25 @ A1	1 : 50 @ <i>i</i>	4 3	



Client

Scales	4 C CLIOVA/NI	Drawn	LM	Projec
	AS SHOWN	Designed	LM	
Grid	MGA2020	Checked	AT	
Height Datum	AHD	Approved	AT	
Datuiii				Title

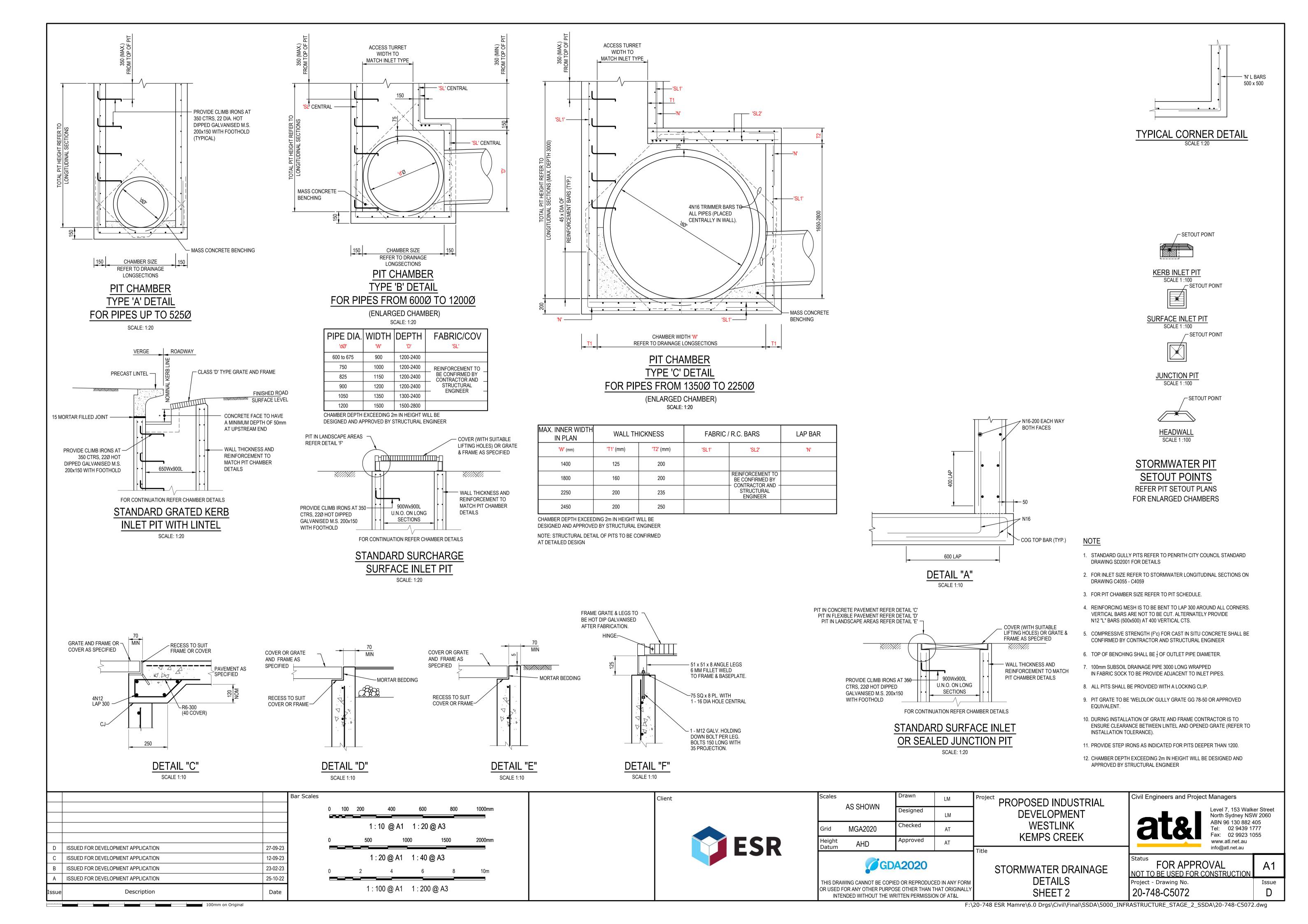
GDA2020

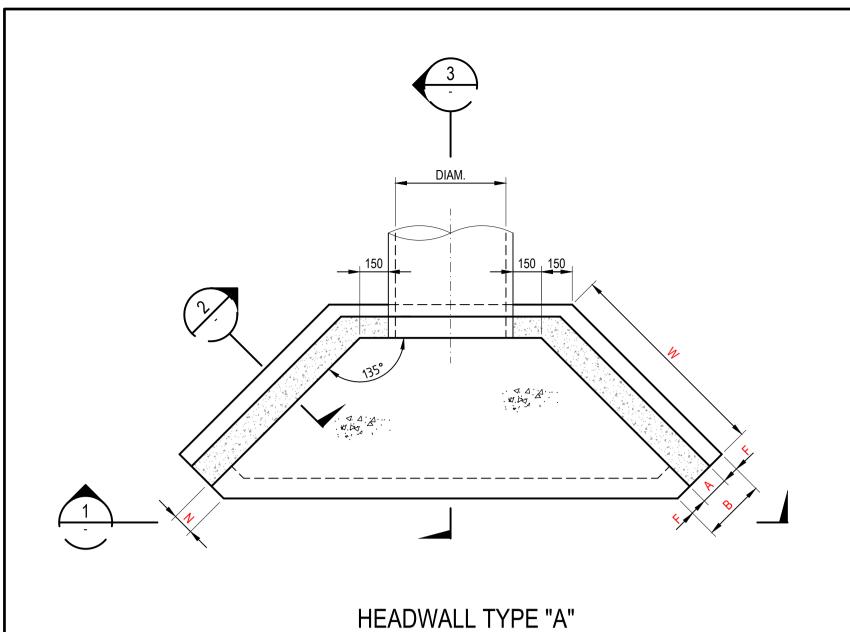
STORMWATER DRAINAGE **DETAILS** THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY SHEET 1 INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

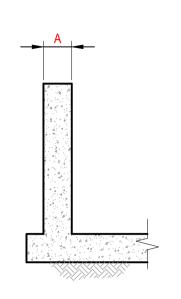
Civil Engineers and Project Managers Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au

20-748-C5071

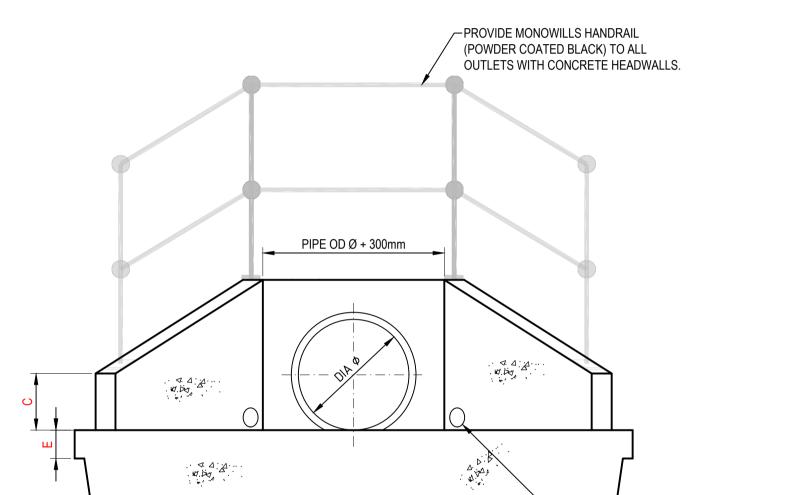
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No. Issue



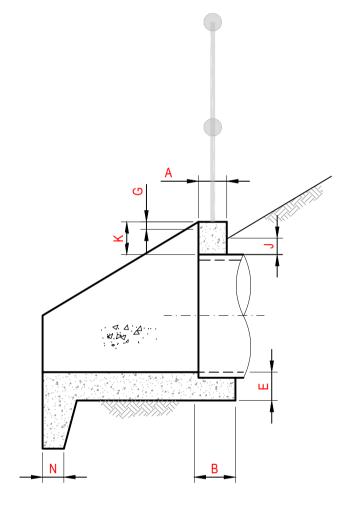








PLAN



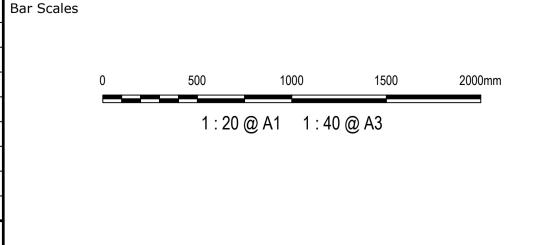




HEADWALL TYPE "A" - SINGLE PIPE															
PIPE DIAMETER	300	375	450	525	600	675	750	825	900	1050	1200	1350	1500	1650	1800
А	150	150	150	175	175	175	200	200	225	225	225	250	250	250	250
В	300	300	300	375	375	375	450	450	525	525	525	550	550	550	550
С	300	300	300	300	350	350	350	350	350	350	350	350	350	350	350
D	375	375	375	375	530	530	530	530	530	530	530	530	530	530	530
Е	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
К	200	200	200	200	300	300	300	300	300	300	300	300	300	300	300
N	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
W	700	700	850	1000	1100	1300	1450	1600	1750	1950	2200	2500	2700	2800	2900

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

D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22
Issue	Description	Date
	•	



─ 100 DIA. SUBSOIL OUTLET (TYP.)



Client

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

GDA2020

STORMWATER DRAINAGE **DETAILS** THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY SHEET 3 INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK

www.atl.net.au info@atl.net.au FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION

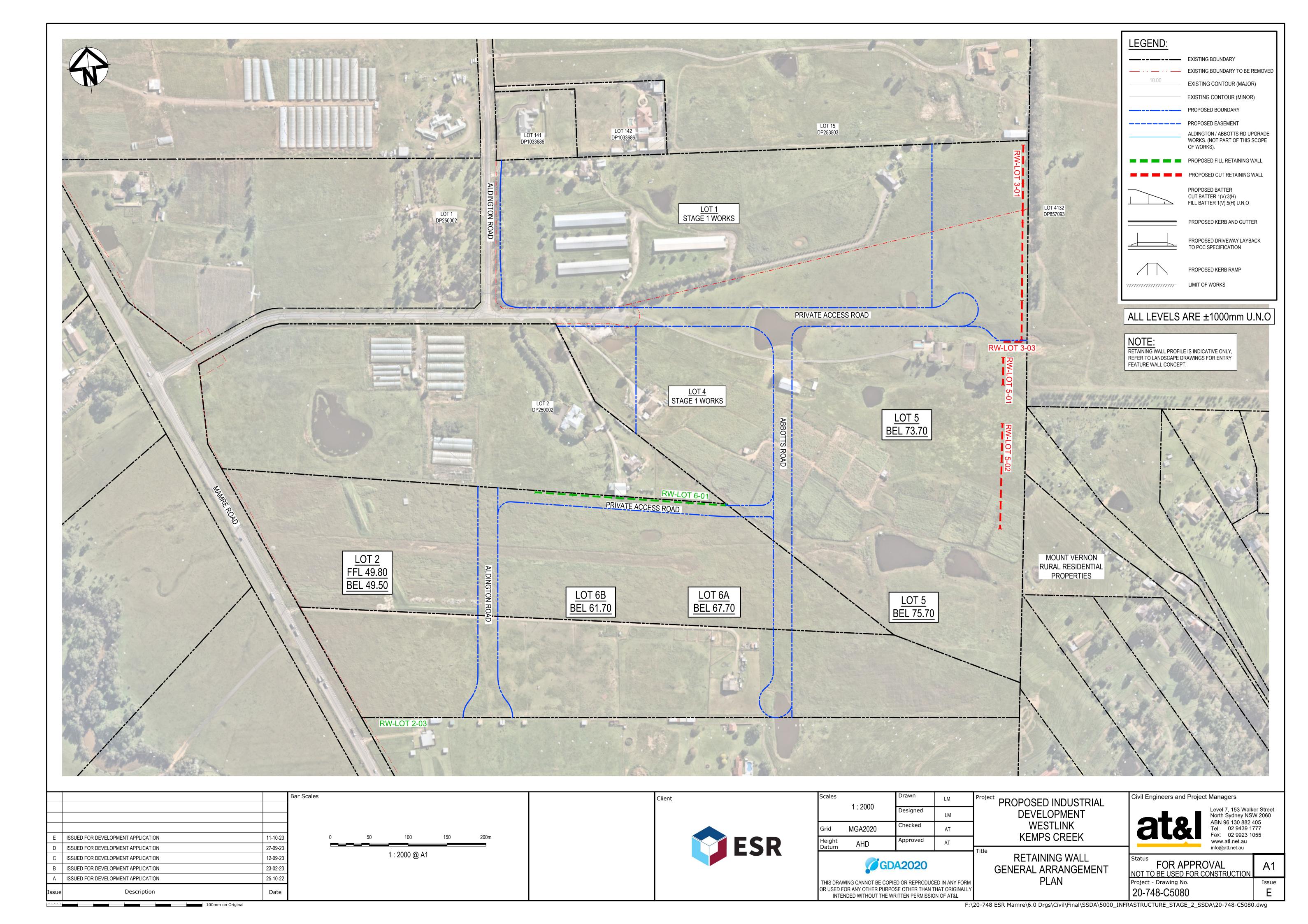
Civil Engineers and Project Managers

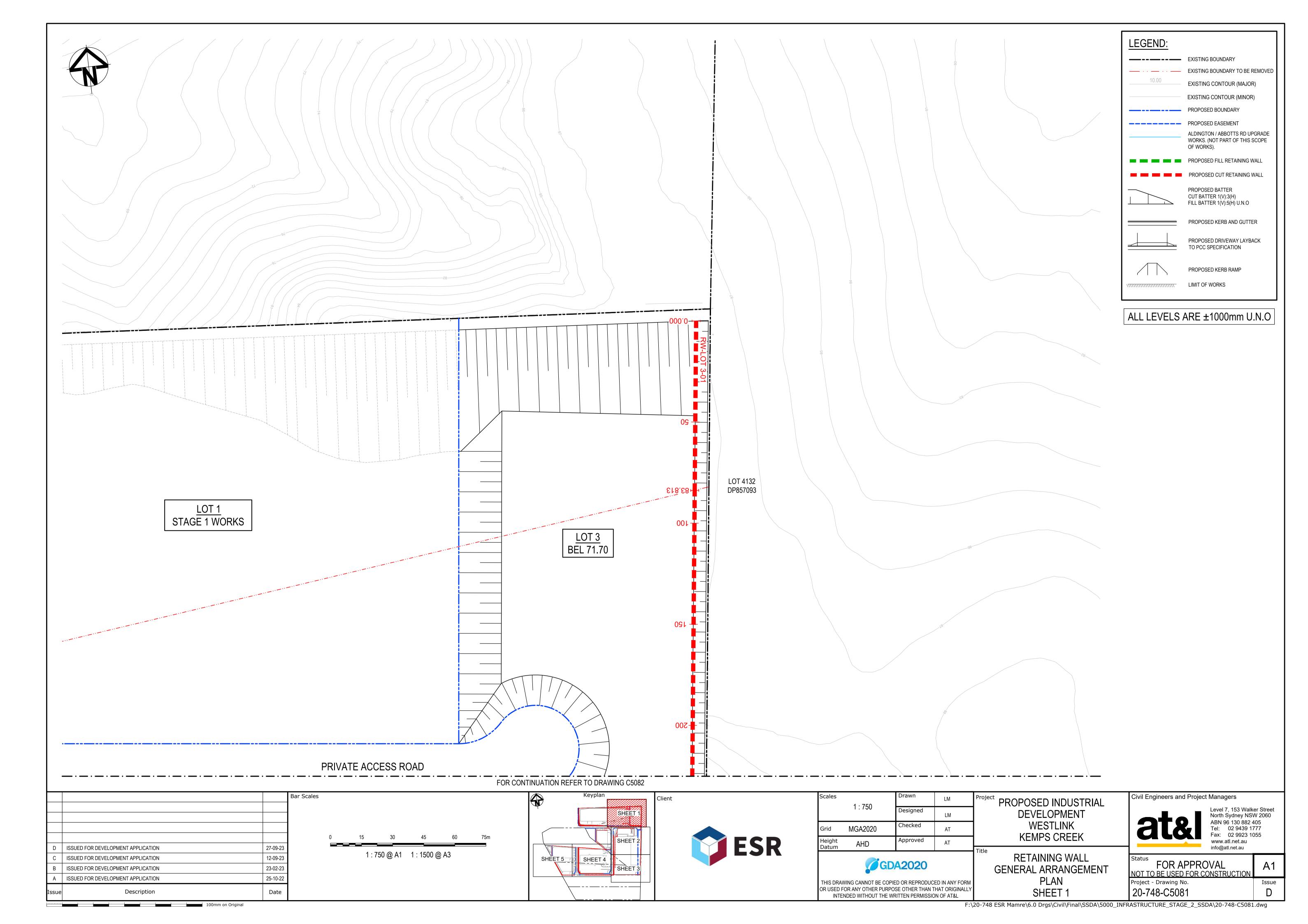
Level 7, 153 Walker Street North Sydney NSW 2060

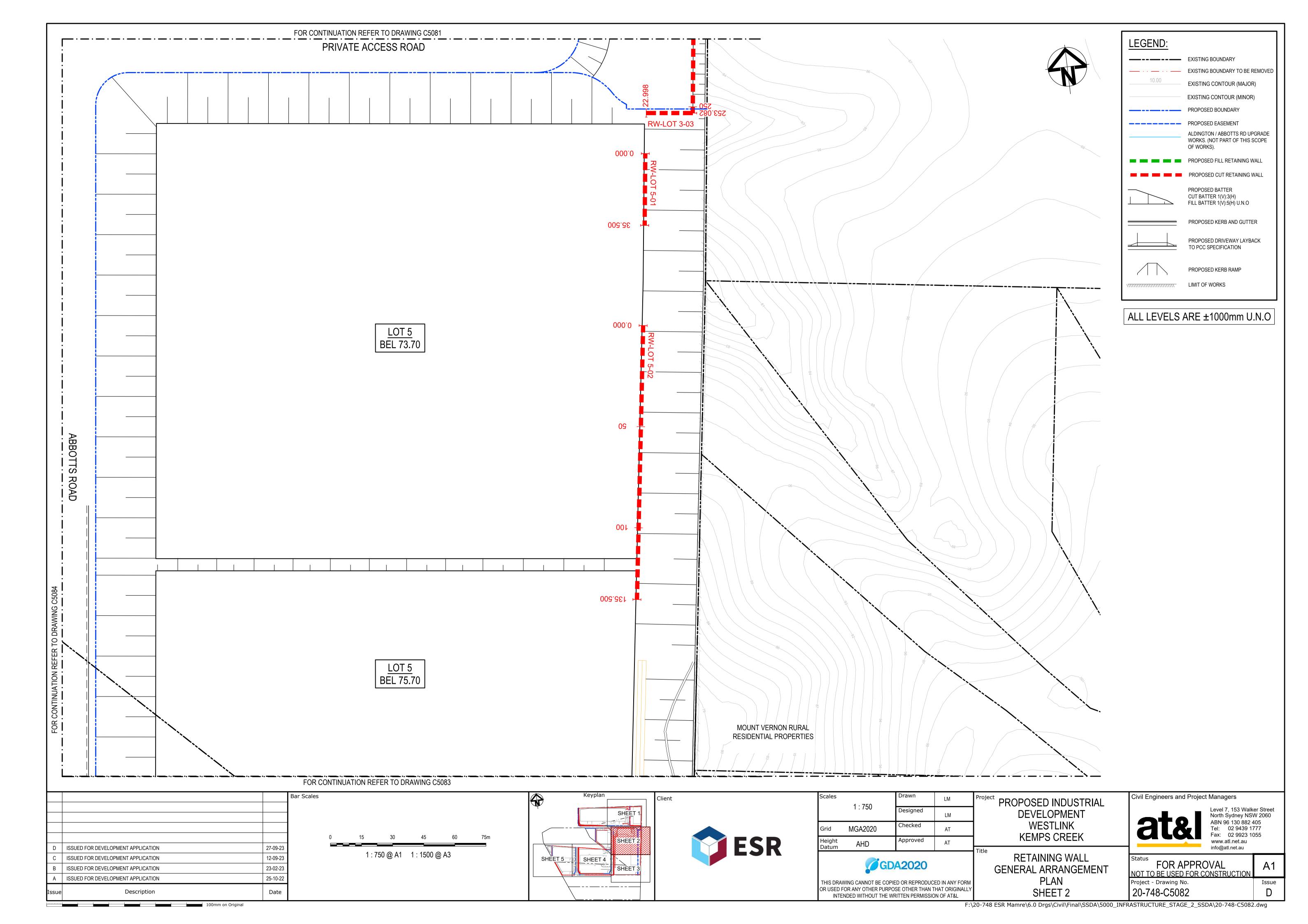
Issue

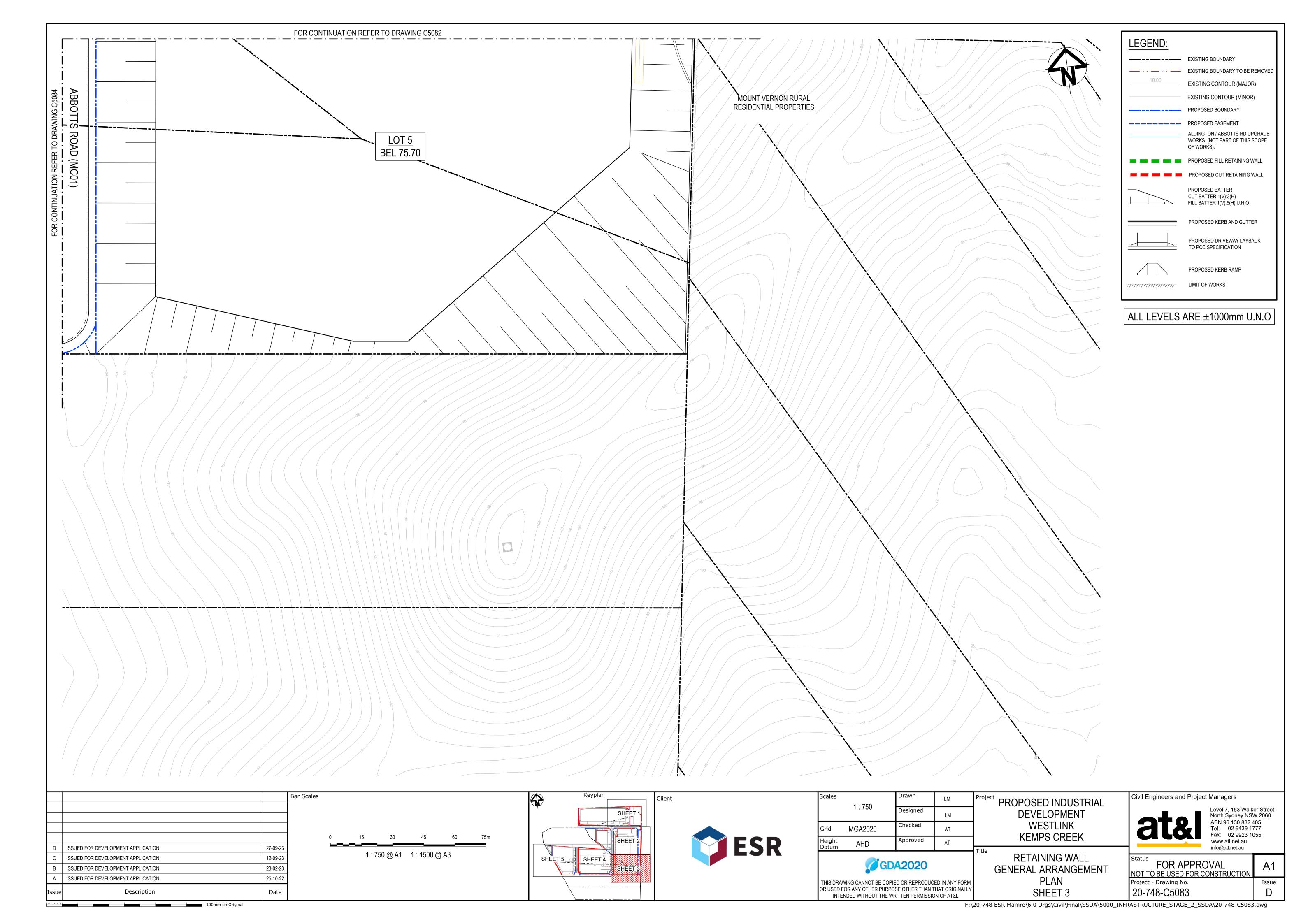
ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055

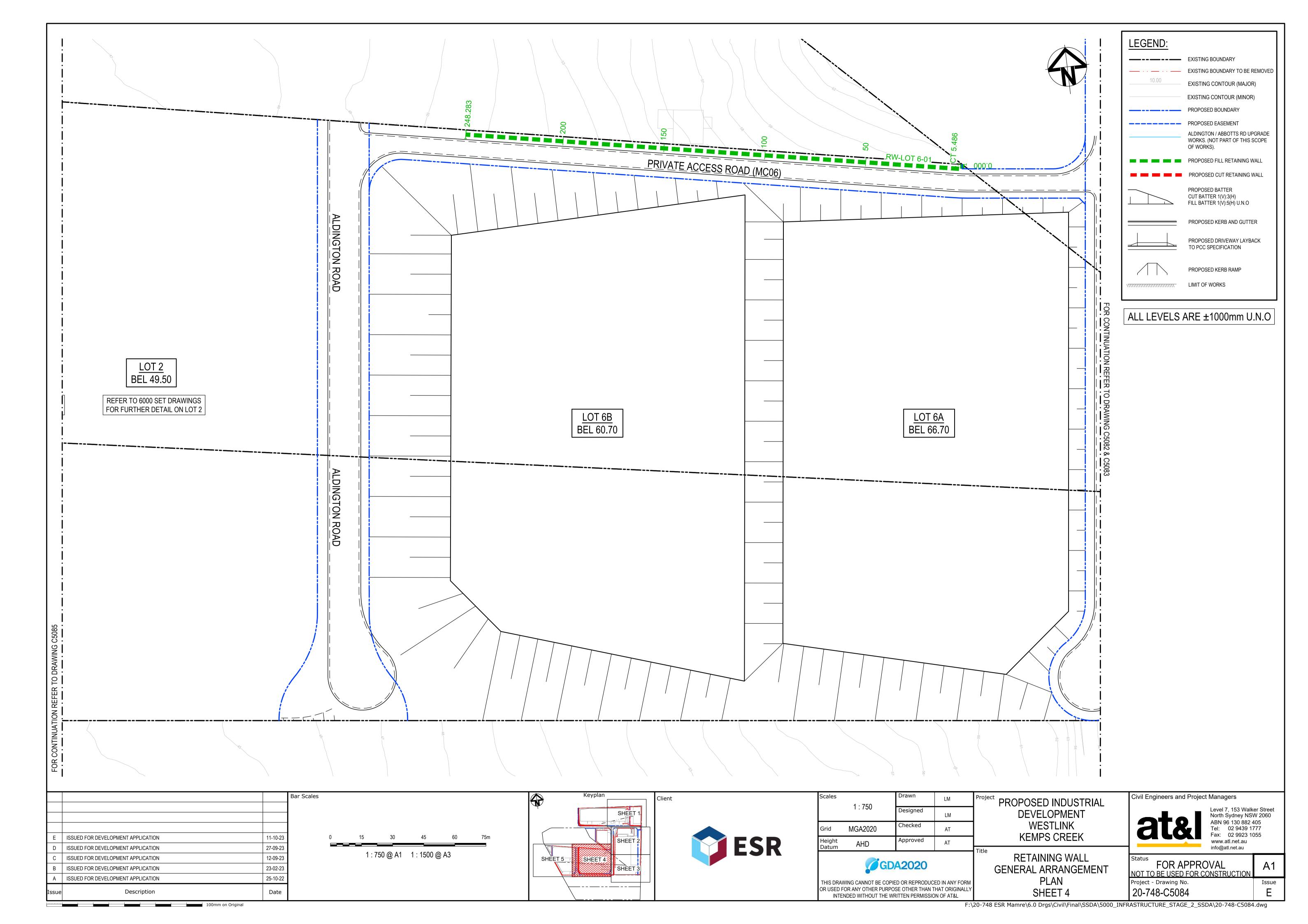
Project - Drawing No. 20-748-C5073

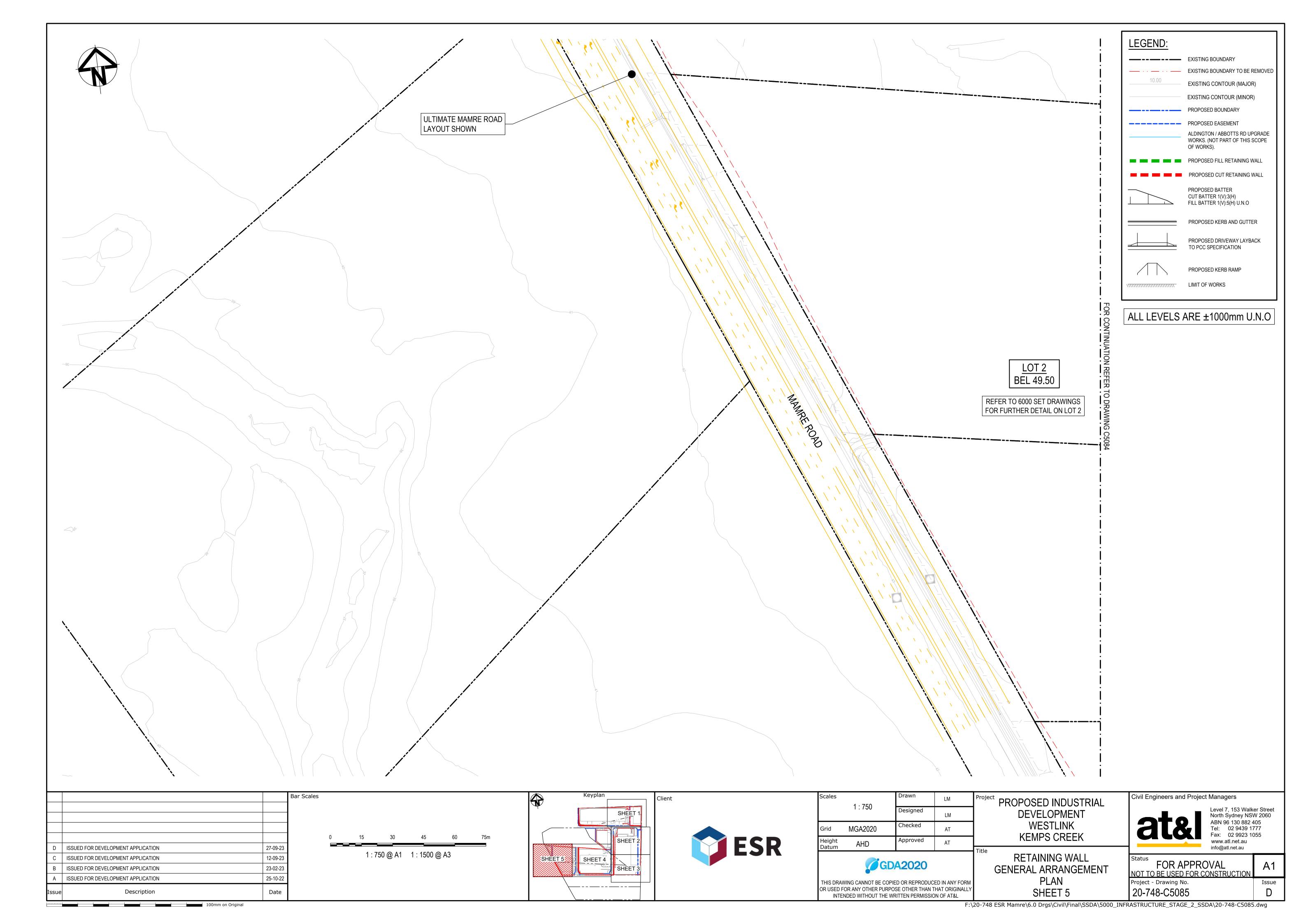






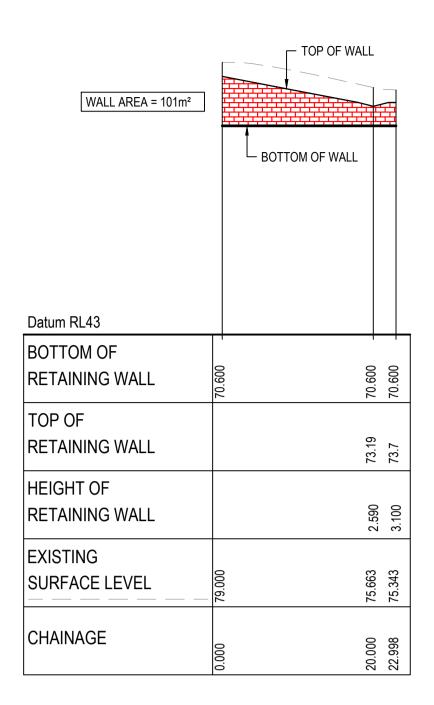




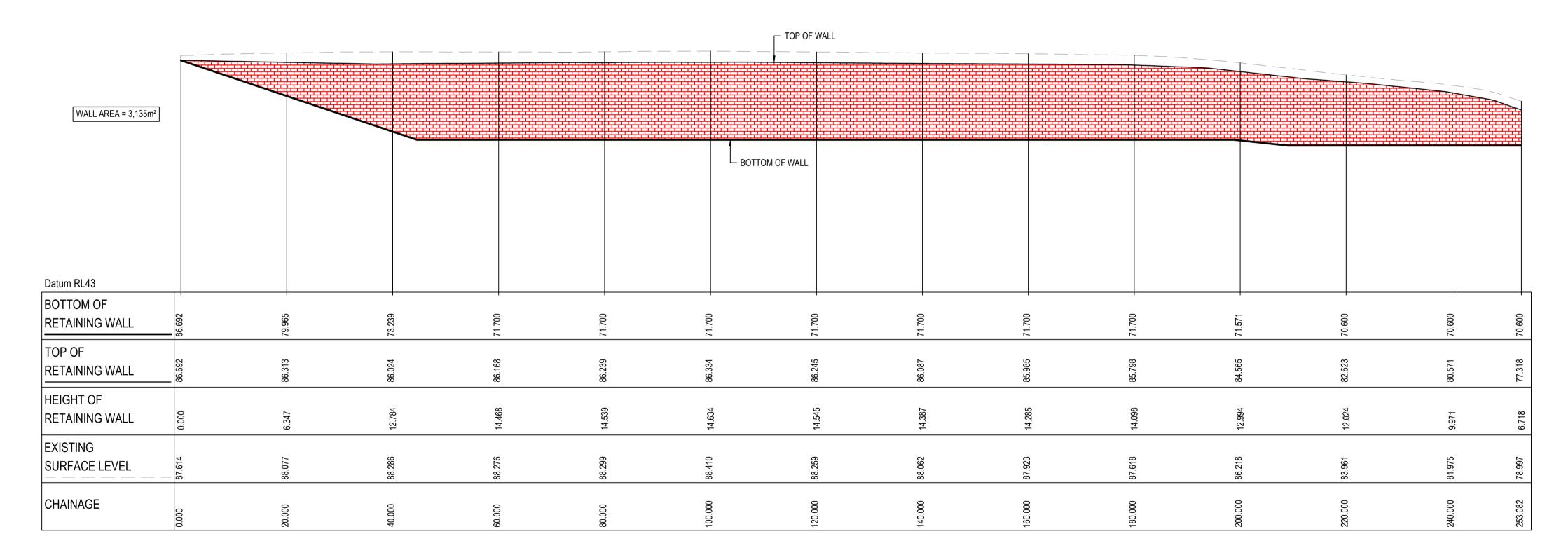


NOTES: ALL FINISHED LEVELS ARE ±1000mm U.N.O REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS NOTE: RETAINING WALL PROFILE IS INDICATIVE ONLY, REFER TO LANDSCAPE DRAWINGS FOR ENTRY

FEATURE WALL CONCEPT.



RETAINING WALL (RW-LOT 3-03) PROFILE SCALE 1:500 HORI. 1:500 VERT.



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

		Bar So	cales	Client	Scales	Drawn	LM	Project PROPOSED INDUSTRIAL	Civil Engineers and Project Managers	
					1 : 500	Designed	LM	DEVELOPMENT		53 Walker Street ney NSW 2060
					Grid MGA2020	Checked	AT	WESTLINK		30 882 405 9439 1777 9923 1055
	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	0 10 20 30 40 50m	FSR	Height AHD	Approved	AT	KEMPS CREEK	www.atl.net.	et.au
С	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	1:500 @ A1 1:1000 @ A3			240000		Title	Status	
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23			GL	DA2020		RETAINING WALL	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	TION A1
А	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22			THIS DRAWING CANNOT BE CO	PIED OR REPRODUC	CED IN ANY FORM	PROFILES	Project - Drawing No.	Issue
Issu	Description	Date			OR USED FOR ANY OTHER PURF INTENDED WITHOUT THE \				20-748-C5092	D

NOTES:
ALL FINISHED LEVELS ARE ±1000mm U.N.O
REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS RETAINING WALL PROFILE IS INDICATIVE ONLY,

REFER TO LANDSCAPE DRAWINGS FOR ENTRY

FEATURE WALL CONCEPT.

WALL AREA = 36m ²		TOP OF WALL		
		BOTTOM OF WALL		
Datum RL46				
BOTTOM OF				
RETAINING WALL	73.700	73 700		73.700
TOP OF				
RETAINING WALL	73.700	75.052		73.700
HEIGHT OF				
RETAINING WALL	0.000	7 C II	720.	0.000
EXISTING				
SURFACE LEVEL	80.770	9 8 8 9 0 8 8 9 9 8 9 8 9 9 8 9 9 9 9 9		77.528
CHAINAGE	0.000	0000		35.500

RETAINING WALL (RW-LOT 5-01) PROFILE

SCALE 1:500 HORI.
1:500 VERT.

					- _T				
						TOP OF WALL			
WALL AREA = 642m ²									
						BOTTOM OF WALL			
Datum RL46									
BOTTOM OF								-	
RETAINING WALL	73.700	73.700	67 CT	73.700	73.700	73.700	002 62		75.700
TOP OF	0	2	· ·	.		Ø			7
RETAINING WALL	73.700	78.277	0	80.586	81.31	80,149	70 70 70 70 70 70 70 70 70 70 70 70 70 7	9	75.700
HEIGHT OF									
RETAINING WALL	0.000	4 577		6.886 6.886	7.610	0.77		74.	1.484
EXISTING									
SURFACE LEVEL	85.758	87.494	000	88.31 1.11	87.871	86.403	02 740		79.571
CHAINAGE				0	0		, ,	3	
	0.000	20.000		40.000	000.09	80.000	900		135.500

RETAINING WALL (RW-LOT 5-02) PROFILE

SCALE 1:500 HORI.
1:500 VERT.

	Bar S	Scales	Client	Scales	Drawn	LM	Project PROPOSED INDUSTRIAL	Civil Engineers and Project Managers	
				1 : 500	Designed	LM	DEVELOPMENT	Level 7, 153 North Sydney	y NSW 2060
				Grid MGA2020	Checked	AT	WESTLINK		882 405 139 1777 923 1055
D ISSUED FOR DEVELOPMENT APPLICATION	27-09-23	0 10 20 30 40 50m	FSR	Height Datum AHD	Approved	AT	KEMPS CREEK	www.atl.net.au	.au
C ISSUED FOR DEVELOPMENT APPLICATION	12-09-23	1:500 @ A1 1:1000 @ A3		C on	140000		Title	Status	
B ISSUED FOR DEVELOPMENT APPLICATION	23-02-23			GD	A2020		RETAINING WALL	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	ION A1
A ISSUED FOR DEVELOPMENT APPLICATION	25-10-22			THIS DRAWING CANNOT BE COPI			PROFILES	Project - Drawing No.	Issue
Issue Description	Date			OR USED FOR ANY OTHER PURPO INTENDED WITHOUT THE W			SHEET 2	20-748-C5093	D'
100	00mm on Original					F:\2	20-748 ESR Mamre\6.0 Drgs\Civil\Final\SSDA\5000_	INFRASTRUCTURE STAGE 2 SSDA\20-748-C5	5093.dwg

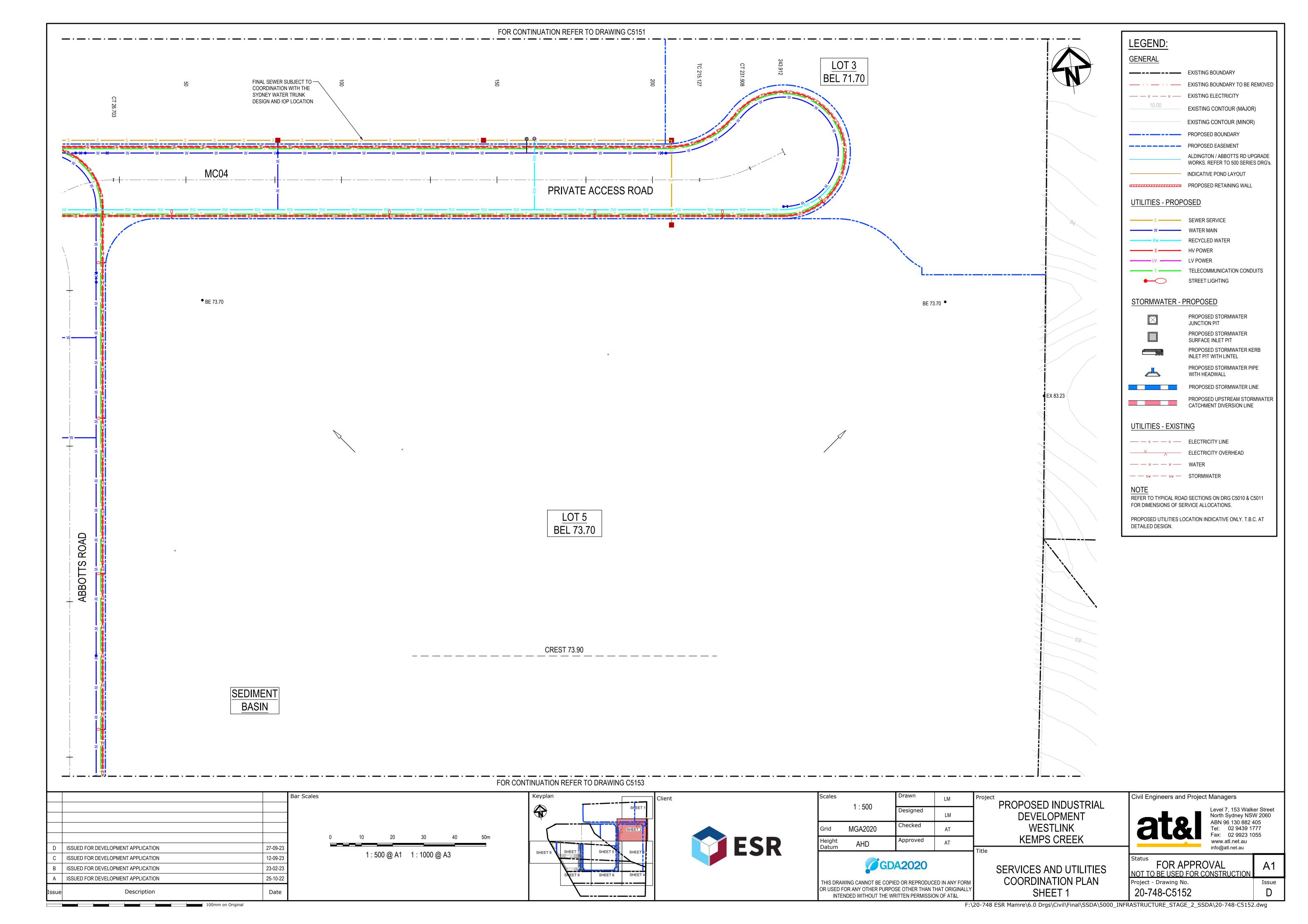
NOTES: ALL FINISHED LEVELS ARE ±1000mm U.N.O REFER TO DRG C5020 FOR TYPICAL WALL SECTIONS RETAINING WALL PROFILE IS INDICATIVE ONLY, REFER TO LANDSCAPE DRAWINGS FOR ENTRY

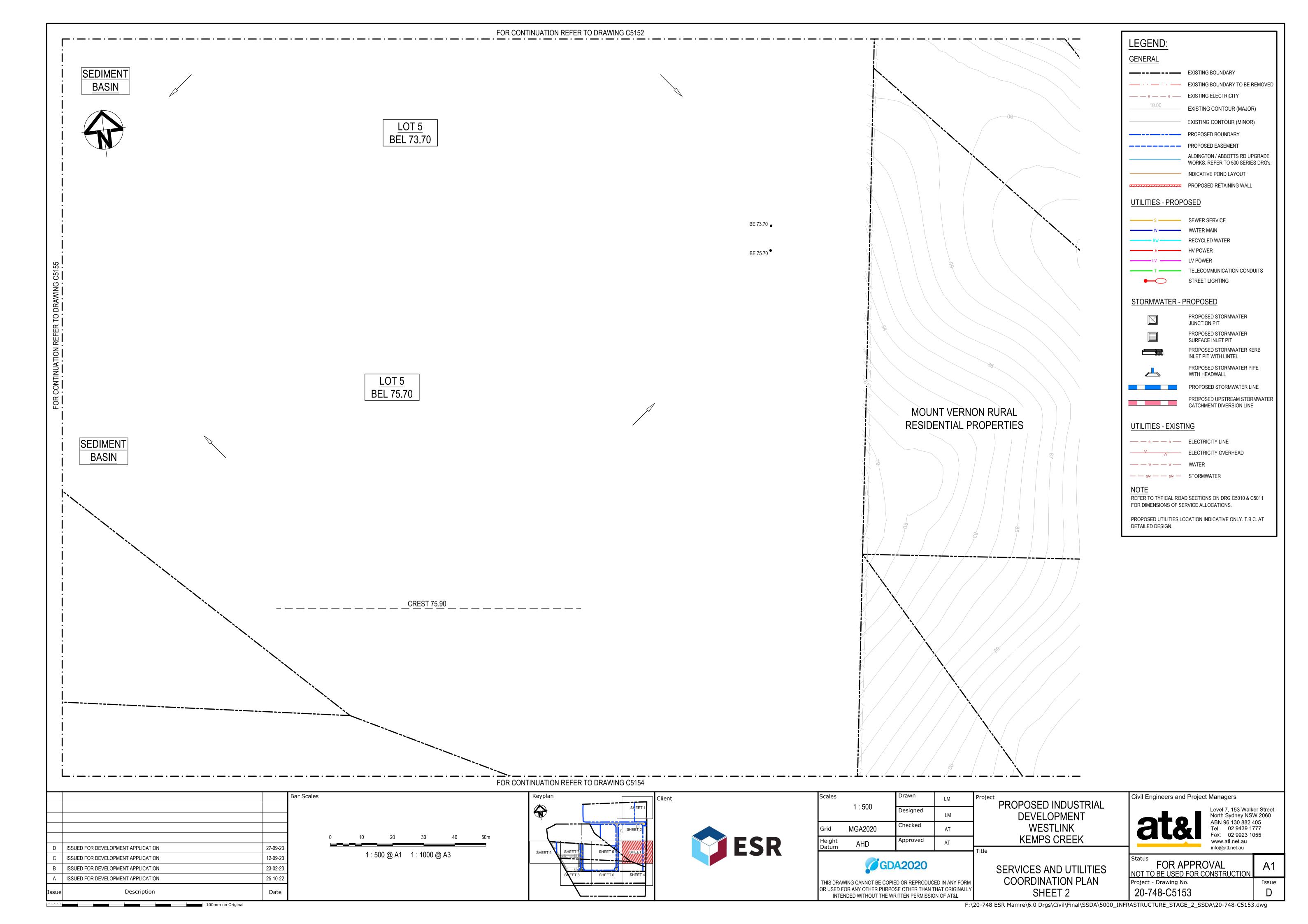
FEATURE WALL CONCEPT.

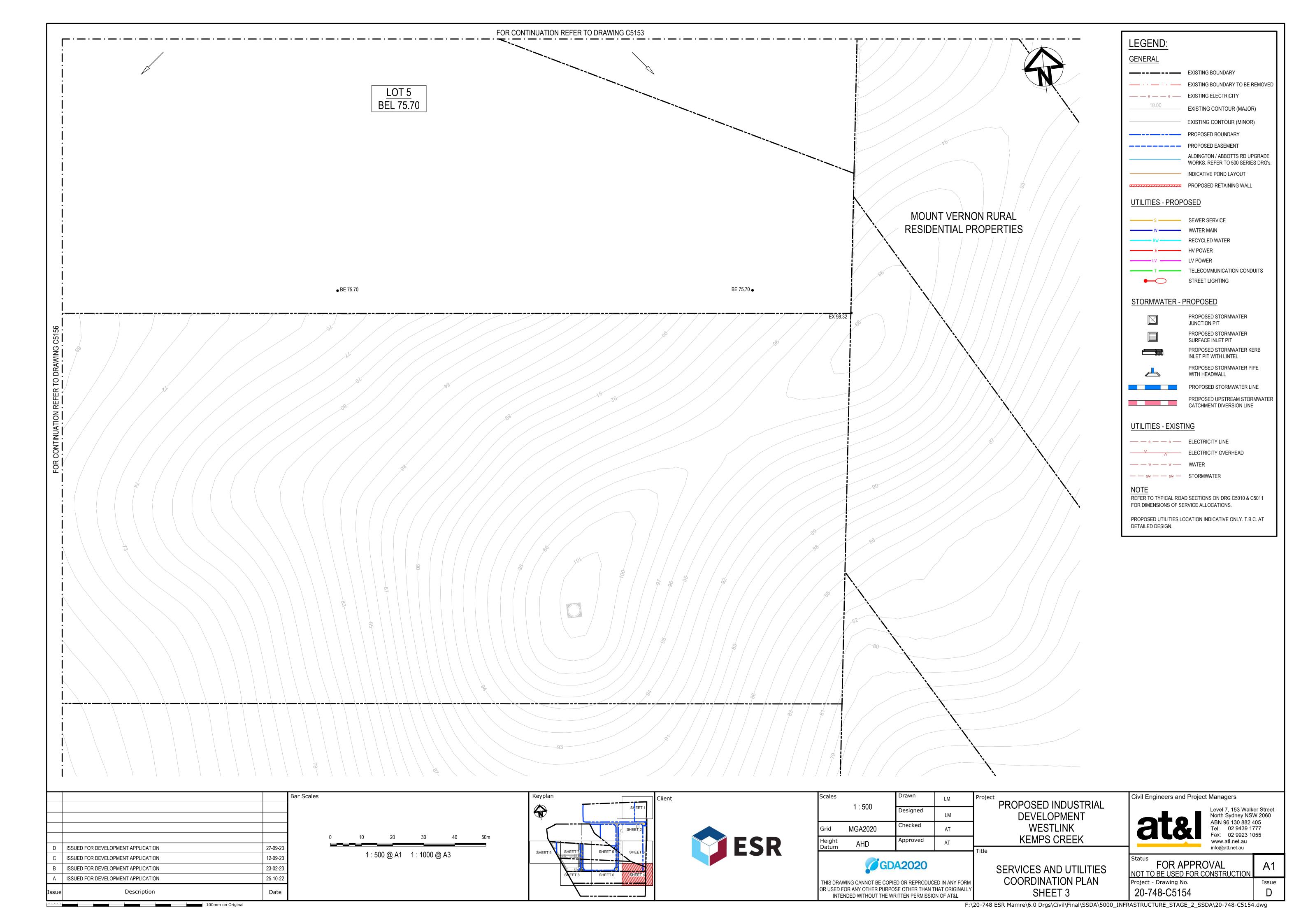
TOP OF WALL WALL AREA = 905m² L BOTTOM OF WALL Datum RL23 **BOTTOM OF** RETAINING WALL TOP OF RETAINING WALL HEIGHT OF **RETAINING WALL** EXISTING SURFACE LEVEL CHAINAGE

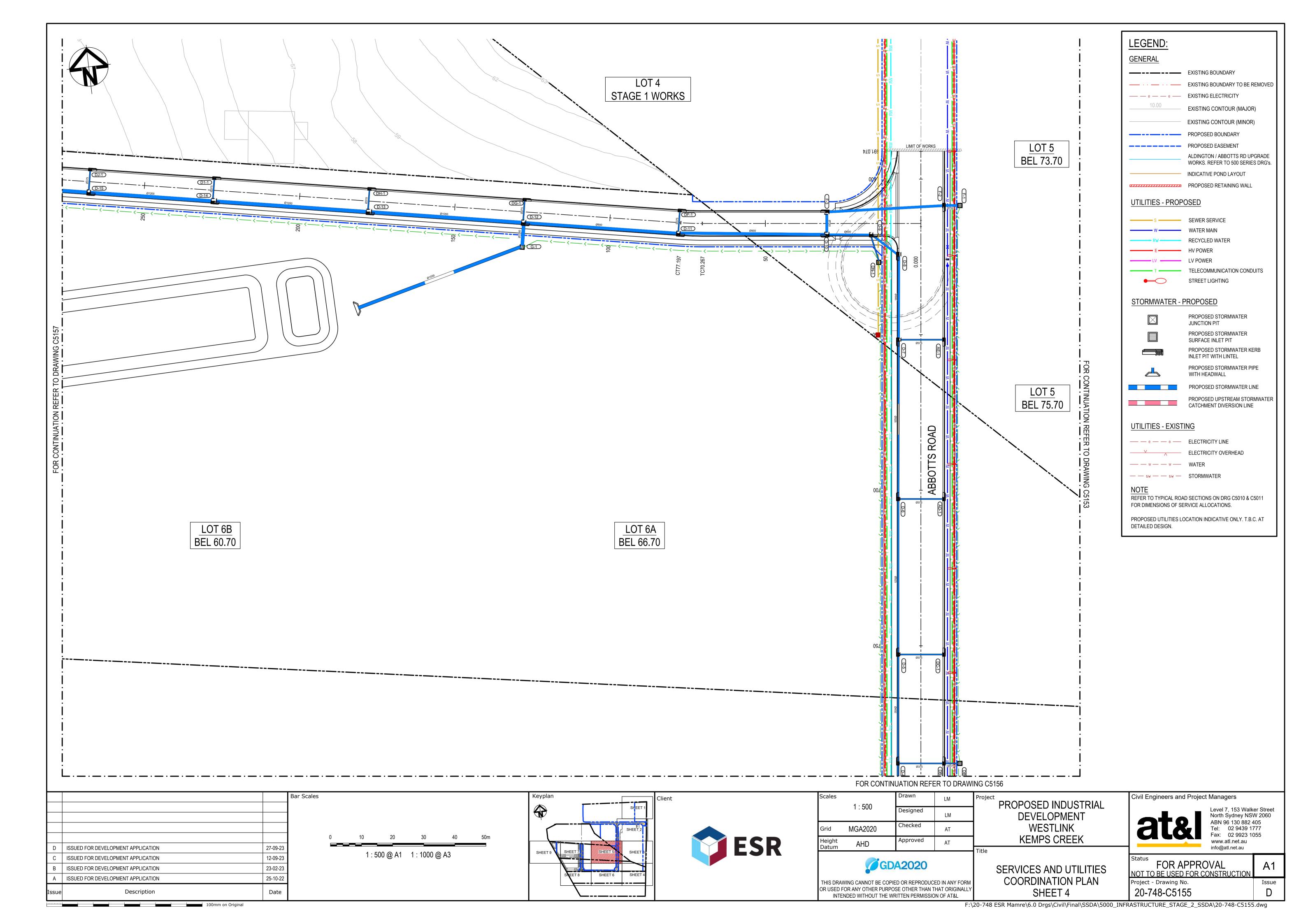
RETAINING WALL RW-LOT 6-01 BTM PROFILE SCALE 1:500 HORI. 1:500 VERT.

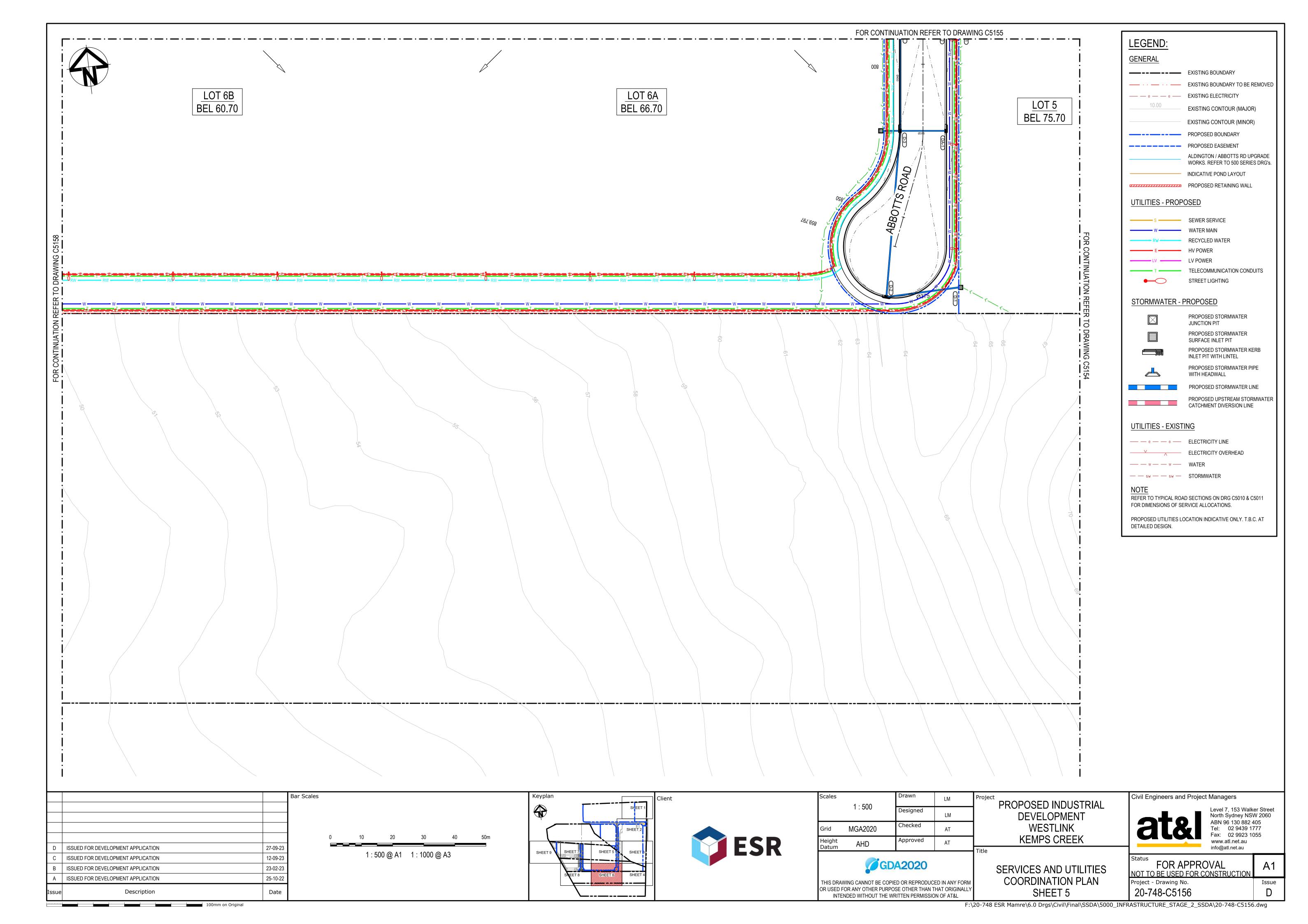
		Bar Scales 0 10 20 30 40 50m	Client	Scales 1:500 Grid MGA2020 Height AHD	Drawn Designed Checked Approved	LM LM AT	PROPOSED INDUSTRIAL DEVELOPMENT WESTLINK KEMPS CREEK	Civil Engineers and Project Managers Level 7, 153 Wa North Sydney N ABN 96 130 882 Tel: 02 9439 Fax: 02 9923 www.atl.net.au	NSW 2060 82 405 9 1777 3 1055
D	ISSUED FOR DEVELOPMENT APPLICATION 27	09-23	E5R	Datum AND		711	Title	info@atl.net.au	
С	ISSUED FOR DEVELOPMENT APPLICATION 12	1 : 500 @ A1 1 : 1000 @ A3						Status FOR ARREO (14)	
В	ISSUED FOR DEVELOPMENT APPLICATION 23	02-23		GL)A2020		RETAINING WALL	FOR APPROVAL	A1
А	ISSUED FOR DEVELOPMENT APPLICATION 25	10-22		THE DRAWING CANINGT DE COR	NED OD DEDDODUGED I	N. ANN/ 50514		NOT TO BE USED FOR CONSTRUCTION	
Issu	e Description [ate		THIS DRAWING CANNOT BE COP OR USED FOR ANY OTHER PURP INTENDED WITHOUT THE V	OSE OTHER THAN THAT	Γ ORIGINALLY	SHEET 3	Project - Drawing No. 20-748-C5094	Issue D
	100mm on Original	•	•			F:\	20-748 ESR Mamre\6.0 Drgs\Civil\Final\SSDA\5000_IN	FRASTRUCTURE_STAGE_2_SSDA\20-748-C509	J94.dwg

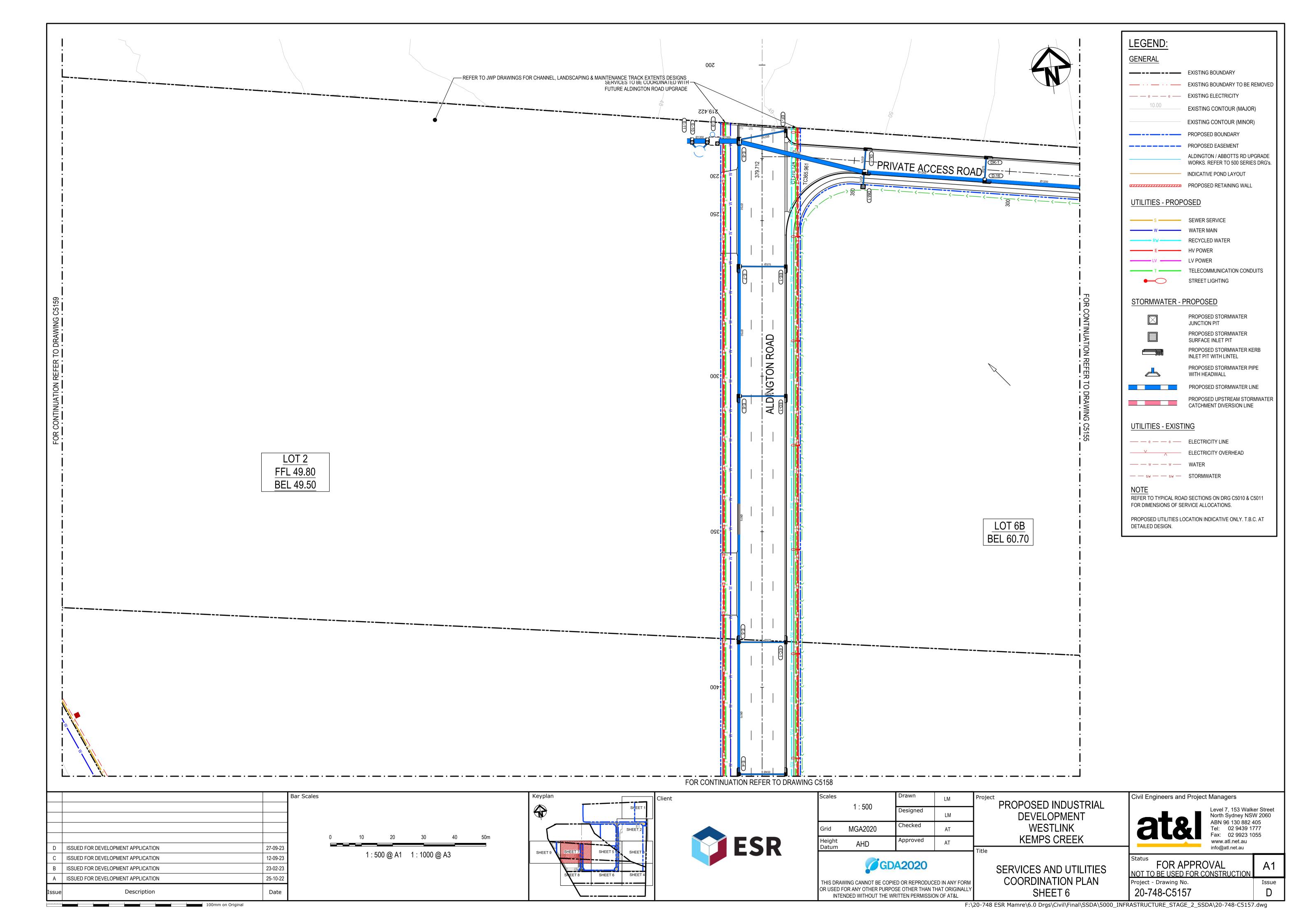


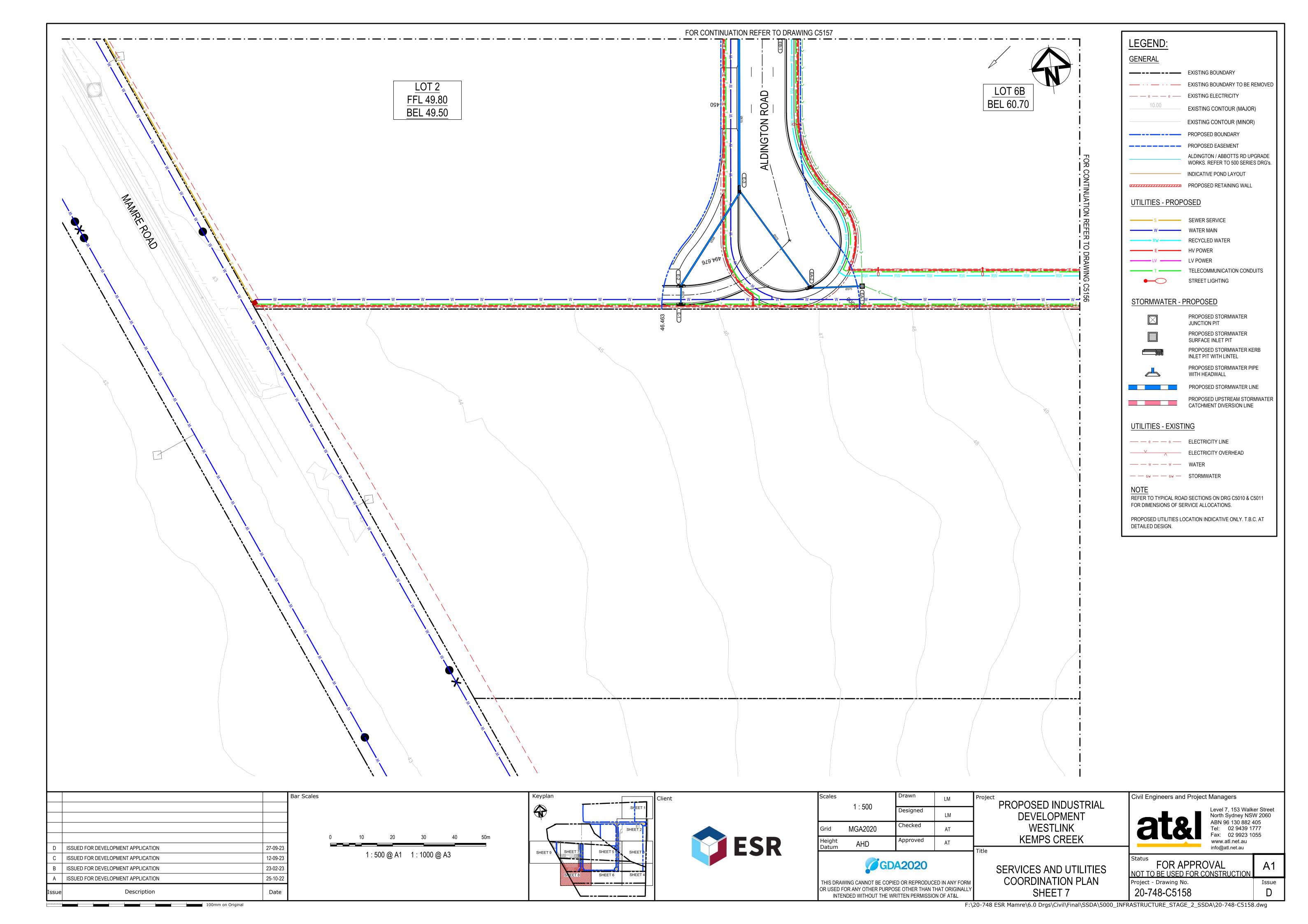


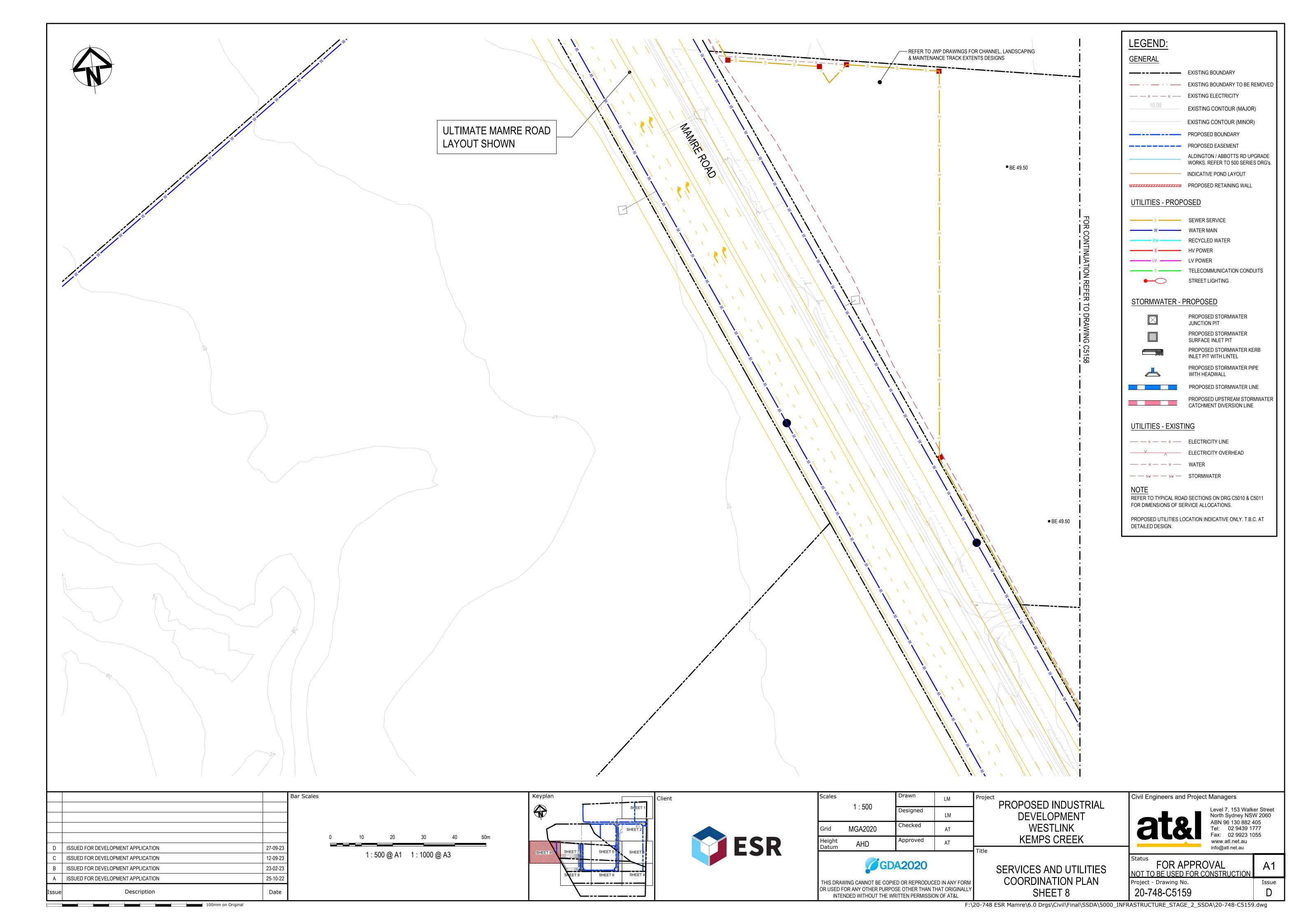


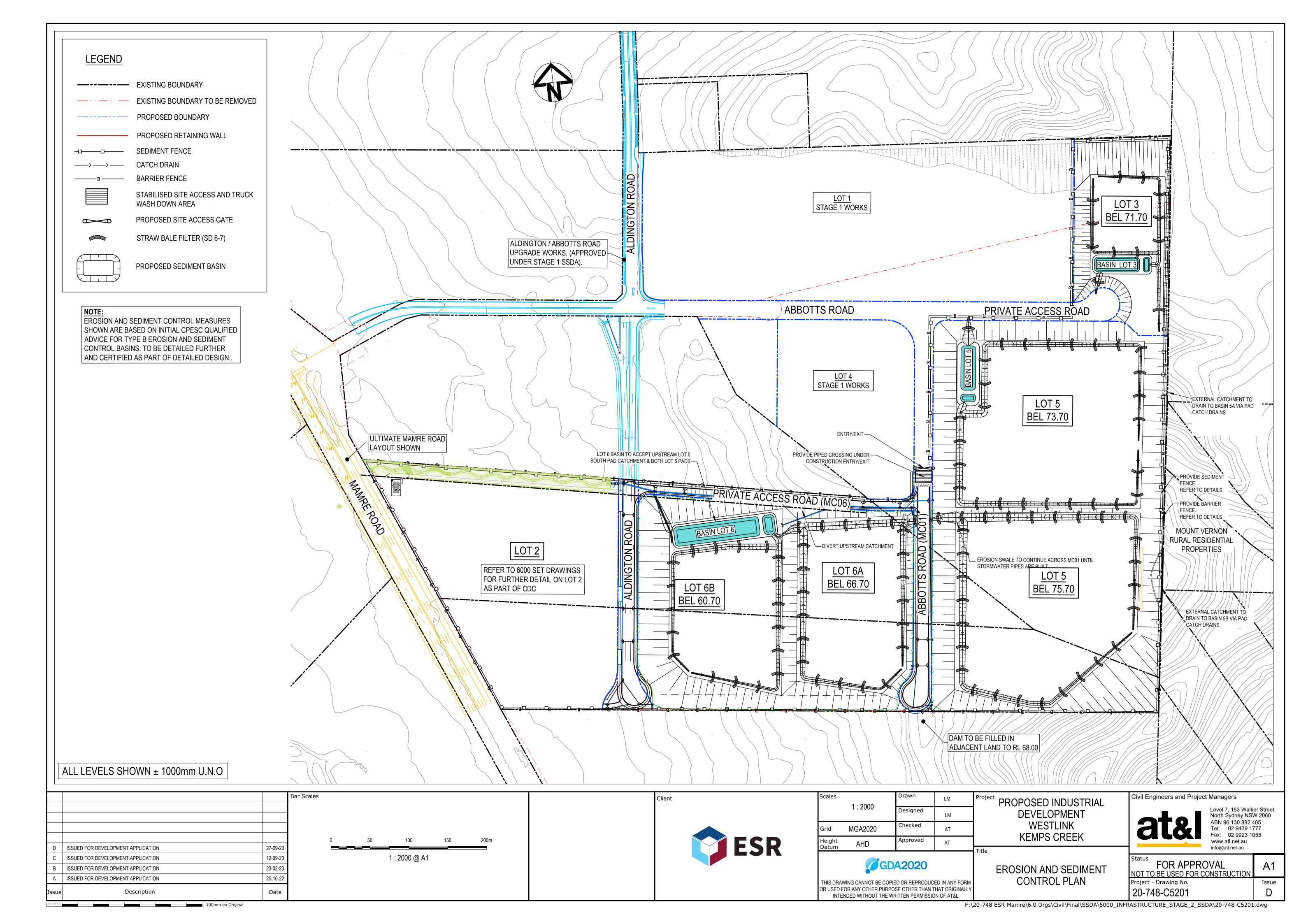


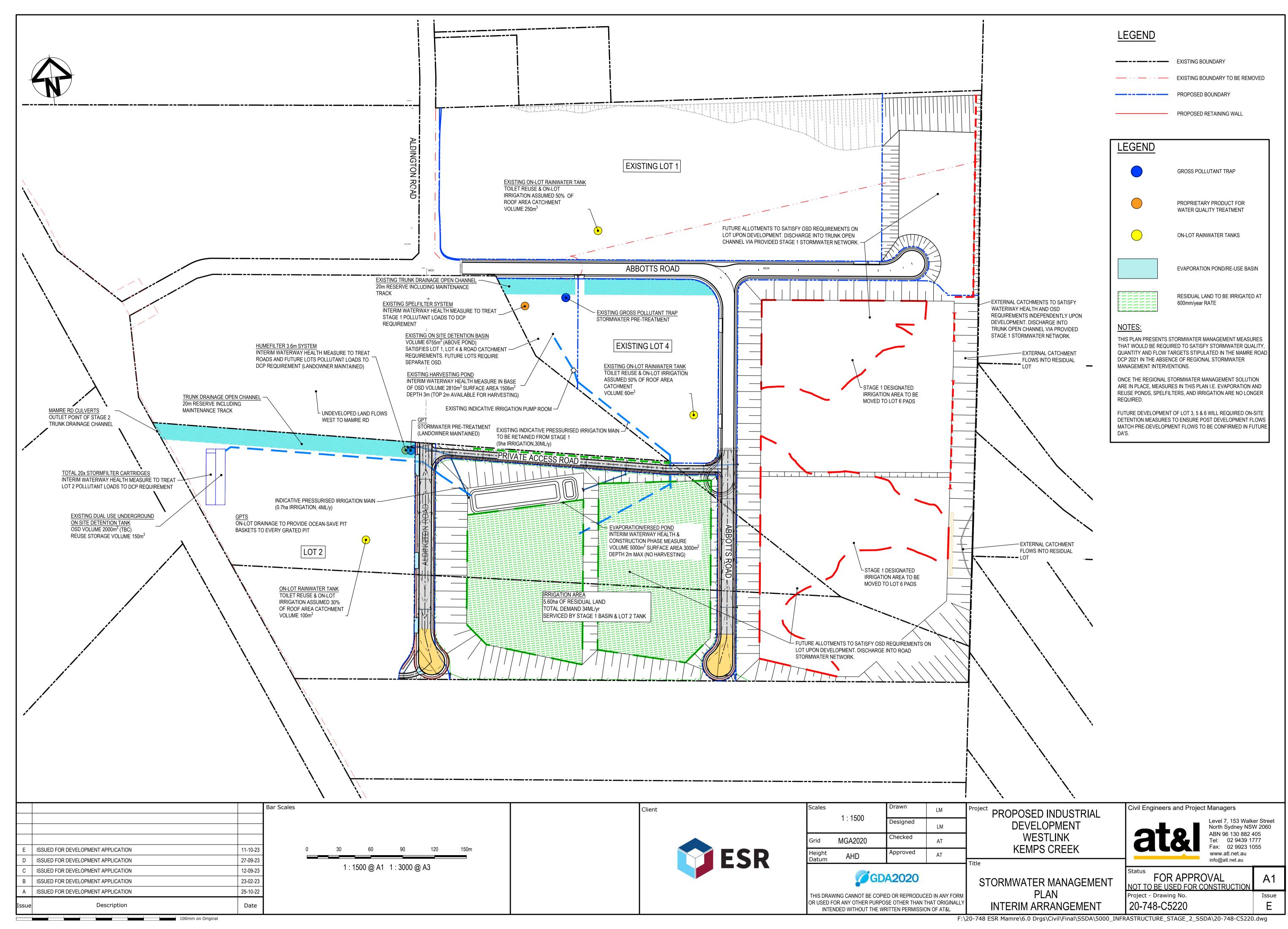




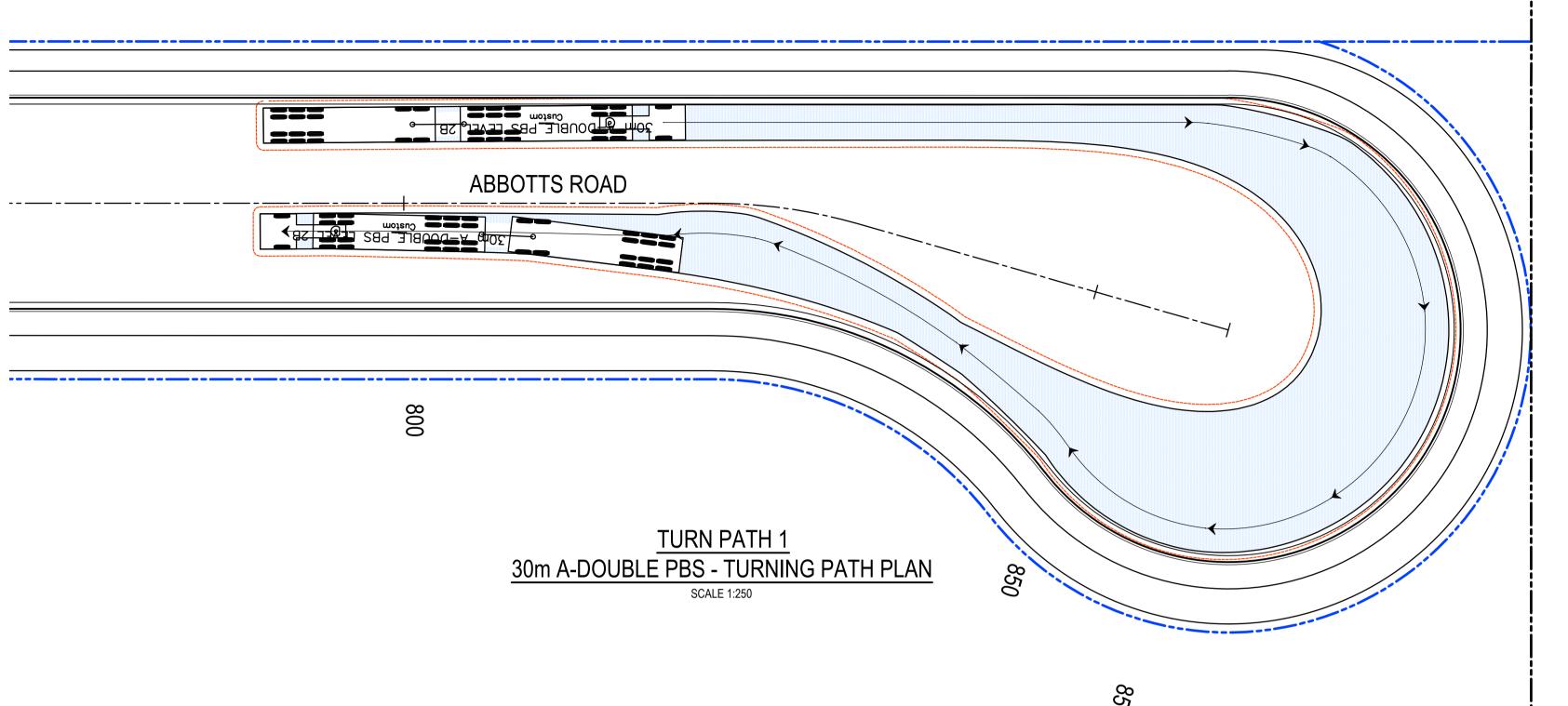


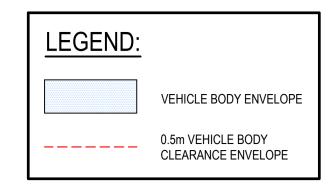


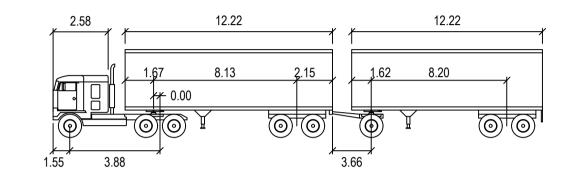








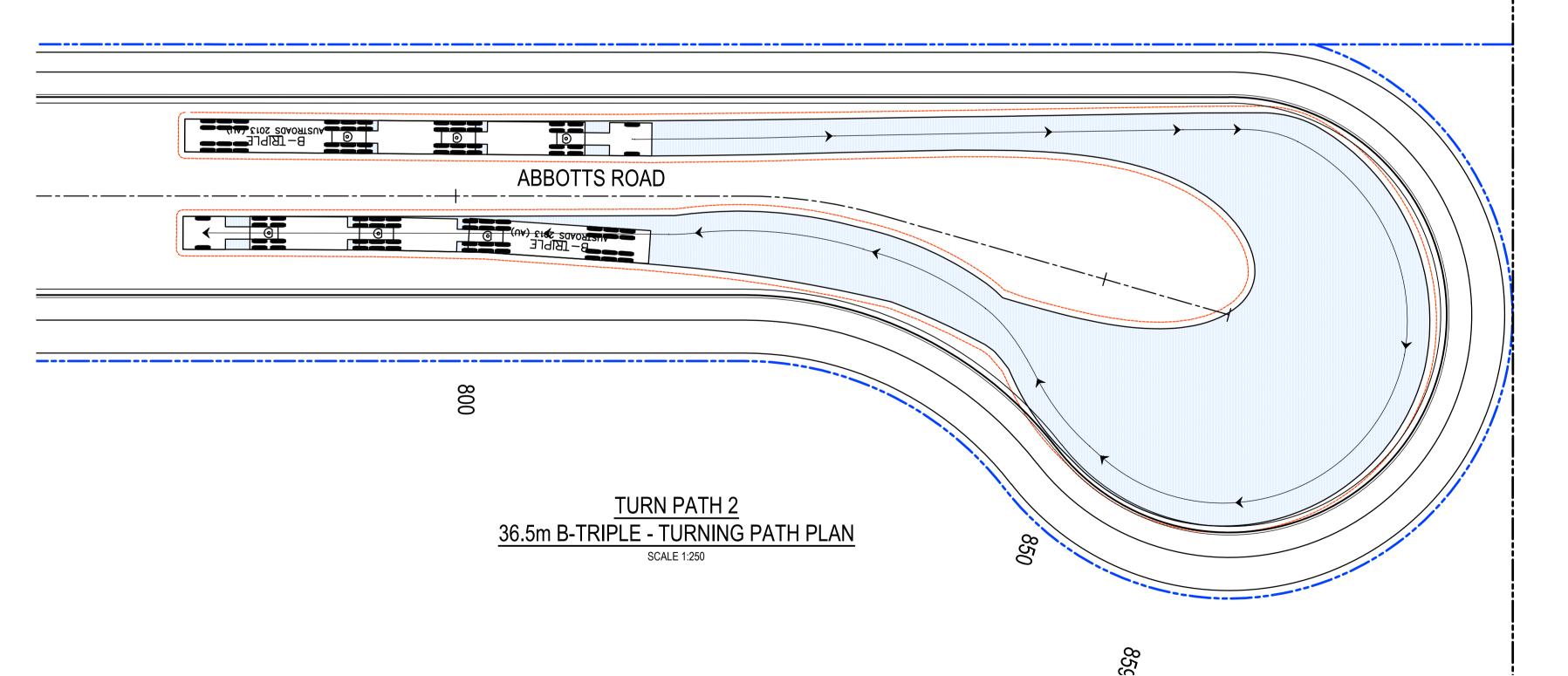


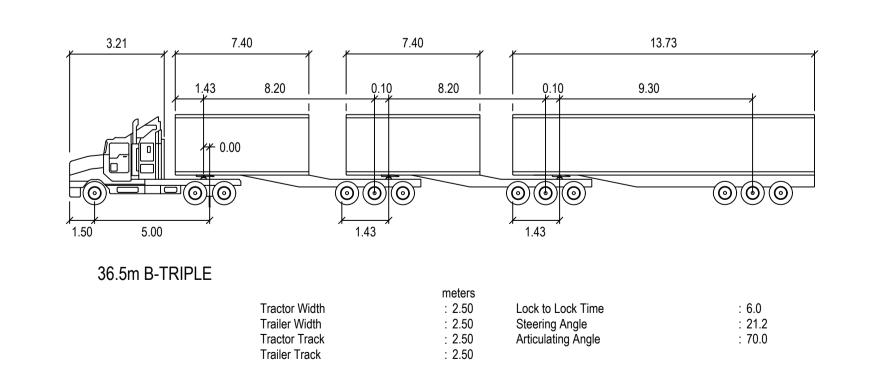


30m A-DOUBLE PBS LEVEL 2B

meters		
: 2.50	Lock to Lock Time	: 6.0
: 2.50	Steering Angle	: 23
: 2.50	Articulating Angle	: 70
: 2.50		
	: 2.50 : 2.50 : 2.50	: 2.50 Lock to Lock Time: 2.50 Steering Angle: 2.50 Articulating Angle







D	ISSUED FOR DEVELOPMENT APPLICATION	27-09-23
O	ISSUED FOR DEVELOPMENT APPLICATION	12-09-23
В	ISSUED FOR DEVELOPMENT APPLICATION	23-02-23
Α	ISSUED FOR DEVELOPMENT APPLICATION	25-10-22

Description

1:250 @ A1 1:500 @ A3

Bar Scales

Date



Client

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

GDA2020

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Project	PROPOSED INDUSTRIA
	DEVELOPMENT
	WESTLINK
	KEMPS CREEK

VEHICLE

TURNING PATH PLAN

SHEET 1

Civil Engineers and Project Managers

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

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION Project - Drawing No.

Issue 20-748-C5311

