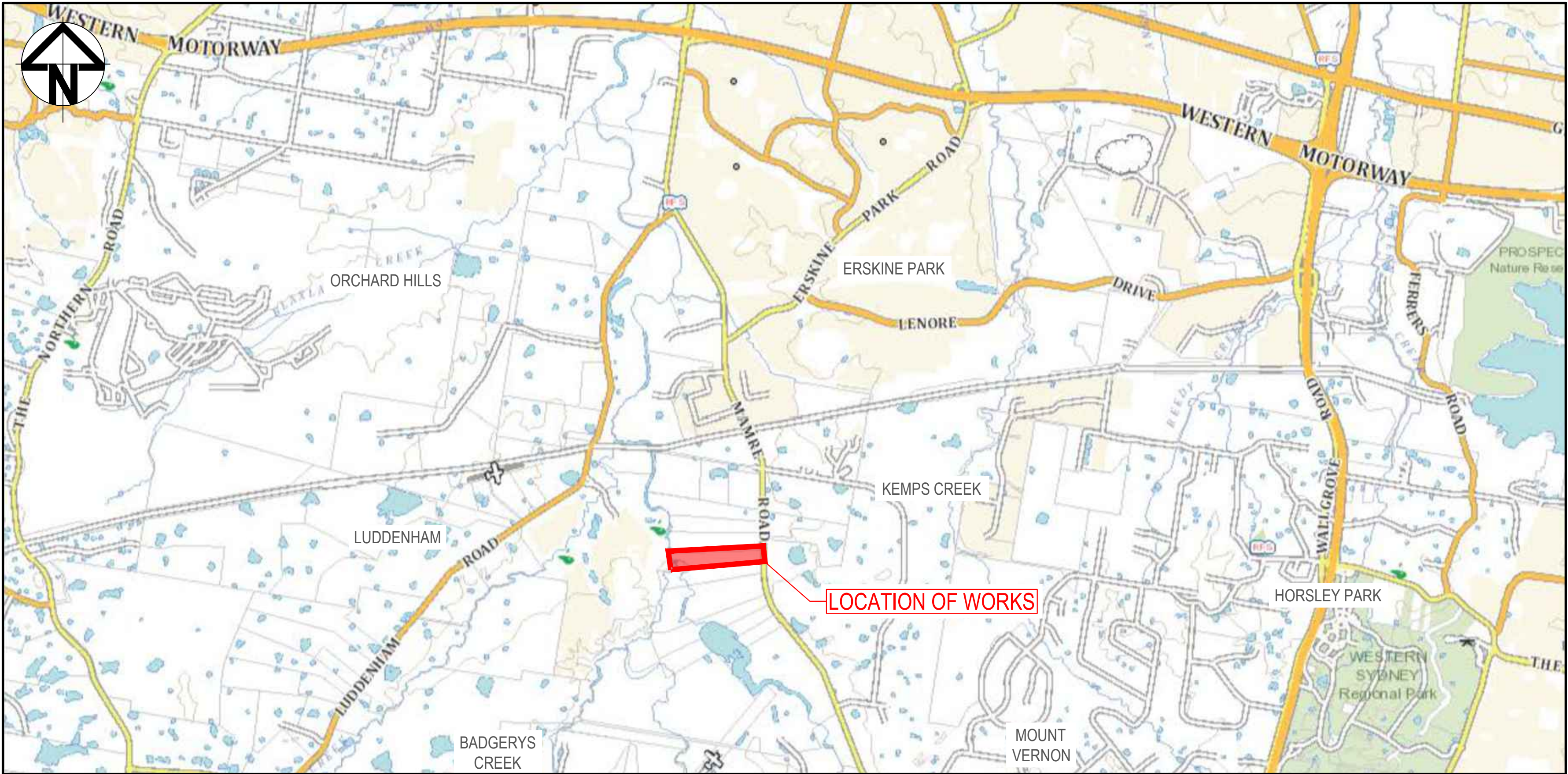


# 805 MAMRE ROAD, KEMPS CREEK

## CIVIL WORKS PACKAGE




LOCALITY PLAN  
NOT TO SCALE


J	RE-ISSUED FOR DA	30-08-23	Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client <b>GibbGroup.</b>	Scales Grid GDA 2020 Height Datum AHD 	Drawn NT Designed QD & TS Checked MG Approved	Project 805 MAMRE ROAD KEMPS CREEK	Civil Engineers and Project Managers <b>at&amp;l</b> Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405
I	RE-ISSUED FOR DA	21-04-23							
H	RE-ISSUED FOR DA	02-03-23							
G	RE-ISSUED FOR DA	02-02-23							
F	RE-ISSUED FOR DA	22-12-22							
E	RE-ISSUED FOR DA	10-11-22							
D	RE-ISSUED FOR DA	04-11-22							
C	RE-ISSUED FOR DA	09-08-22							
B	RE-ISSUED FOR DA	08-08-22	Date	Description	Issue	Title COVER SHEET	Status FOR APPROVAL NOT FOR CONSTRUCTION	Project - Drawing No. 21-894-C1000	Issue J





DRAWING LIST	
DRAWING No.	DRAWING TITLE
GENERAL	
21-894-C1000	COVER SHEET
21-894-C1001	DRAWING LIST AND LEGENDS
21-894-C1002	GENERAL NOTES
21-894-C1003	GENERAL ARRANGEMENT PLAN
21-894-C1004	TYPICAL ROAD CROSS SECTIONS SHEET 1
21-894-C1005	TYPICAL ROAD CROSS SECTIONS SHEET 2
21-894-C1006	TYPICAL VERGE SECTIONS
21-894-C1007	TYPICAL SITE SECTIONS SHEET 1
21-894-C1008	TYPICAL SITE SECTIONS SHEET 2
21-894-C1009	TYPICAL SITE SECTIONS SHEET 3
21-894-C1010	TYPICAL SITE SECTIONS SHEET 4
BULK EARTHWORKS	
21-894-C1030	BULK EARTHWORKS PLAN
21-894-C1031	BULK EARTHWORKS SECTIONS
ROADWORKS AND DRAINAGE	
21-894-C1041	ROADWORKS AND DRAINAGE PLAN
21-894-C1042	CONTEXTUAL ROAD LAYOUT PLAN
ROAD LONGITUDINAL SECTIONS	
21-894-C1051	ROAD LONGITUDINAL SECTIONS
STORMWATER DRAINAGE	
21-894-C1061	STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)
21-894-C1062	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)
RETAINING WALLS	
21-894-C1081	RETAINING WALLS PLAN
21-894-C1082	RETAINING WALLS PROFILES
VEHICLE TURN PATHS	
21-894-C1090	TURN PATHS PLAN SHEET 1
21-894-C1091	TURN PATHS PLAN SHEET 2
21-894-C1092	TURN PATHS PLAN SHEET 3
21-894-C1093	TURN PATHS PLAN SHEET 4
SERVICES AND UTILITIES	
21-894-C1101	SERVICES AND UTILITIES COORDINATION PLAN SHEET 1
21-894-C1102	SERVICES AND UTILITIES COORDINATION PLAN SHEET 2
21-894-C1103	SERVICES AND UTILITIES COORDINATION PLAN SHEET 3
21-894-C1104	SERVICES AND UTILITIES COORDINATION PLAN SHEET 4
EROSION AND SEDIMENT CONTROL	
21-894-C1200	SEDIMENT AND EROSION CONTROL PLAN
21-894-C1210	SEDIMENT AND EROSION CONTROL DETAILS
ONLOT WORKS	
21-894-C1321	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
21-894-C1322	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
21-894-C1323	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
21-894-C1324	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
21-894-C1341	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
21-894-C1342	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
21-894-C1343	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
21-894-C1344	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
21-894-C1345	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 5
EXTERNAL WORKS	
21-894-C1346	EXTERNAL SITEWORKS & STORMWATER DRAINAGE PLAN


LEGEND:


EXISTING ELECTRICITY OVERHEAD


EXISTING TELECOM OVERHEAD

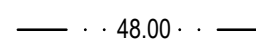
EXISTING POTABLE WATER

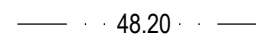
EXISTING POWER POLE

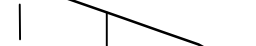
EXISTING BOUNDARY


PROPOSED BOUNDARY


PROPOSED EASEMENT

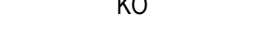
PROPOSED RETAINING WALL


PROPOSED MAJOR CONTOUR


PROPOSED MINOR CONTOUR


PROPOSED BATTER

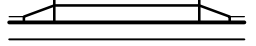
PROPOSED KERB AND GUTTER


PROPOSED KERB ONLY


PROPOSED KERB AND GUTTER INTEGRAL TO CONCRETE SLAB

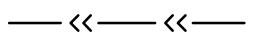
PROPOSED KERB EDGING INTEGRAL TO CONCRETE SLAB

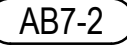
PROPOSED GUARD RAIL


PROPOSED DRIVEWAY LAYBACK


SUBSOIL DRAINAGE LINE WITH FLUSHING POINT


SUBSOIL DRAINAGE LINE WITH INTERMEDIATE RISER


PROPOSED CATCH DRAIN


PROPOSED STORMWATER PIT LABEL


PROPOSED STORMWATER JUNCTION PIT


PROPOSED STORMWATER JUNCTION PIT


PROPOSED STORMWATER KERB INLET PIT WITH INTEL


PROPOSED STORMWATER PIPE WITH HEADWALL


PROPOSED STORMWATER LINE


PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)

PROPOSED GRATED DRAIN 250mm Class 'D' GRATE

FUTURE MAMRE ROAD

PROPOSED FLEXIBLE ROAD PAVEMENT

PROPOSED CONCRETE FOOTPATH

RE1 ZONE

NOTES:  
1. ALL LEVELS SHOWN ARE ± 0.5m.  
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.  
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.  
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

PAVEMENT LINEMARKING LEGEND

PAVEMENT MARKING SCHEDULE

EDGE LINES

E1

E5

LANE LINES

L1

BARRIER LINES

BB

GIVEWAY LINE

TB

CONTINUITY LINES

C1

PAVEMENT ARROWS

AR3(L)

SERVICES LEGEND

EXISTING

P

CO

SW

W

C

CP

PP

HYD

SV

WM

EXISTING OVERHEAD ELECTRICAL

EXISTING OVERHEAD COMMUNICATIONS

EXISTING STORMWATER

EXISTING WATERMAIN

EXISTING COMMUNICATIONS

EXISTING COMMS POLE

EXISTING POWER POLE

EXISTING HYDRANT

EXISTING STOP VALVE

EXISTING WATER METER

PROPOSED

LV

LV/HV

NB/NT

W

S

PROPOSED LOW VOLTAGE

PROPOSED HIGH VOLTAGE AND LOW VOLTAGE ELECTRICITY

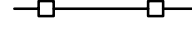
PROPOSED LIGHT POLE


PROPOSED COMMUNICATIONS


PROPOSED WATERMAIN


PROPOSED SEWER


SEDIMENT AND EROSION LEGEND


SEDIMENT FENCE


CATCH DRAIN


BARRIER FENCE



MESH AND GRAVEL INLET FILTER (SD 6-11)

GEOTEXTILE INLET (SD 6-12)

STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

PROPOSED SITE ACCESS GATE

STRAW BALE FILTER (SD 6-7)

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I	RE-ISSUED FOR DA	21-04-23								Project - Drawing No. 21-894-C1001		
H	RE-ISSUED FOR DA	02-03-23								Title  DRAWING LIST AND LEGENDS		
G	RE-ISSUED FOR DA	02-02-23										
F	RE-ISSUED FOR DA	22-12-22										
E	RE-ISSUED FOR DA	10-11-22										
D	RE-ISSUED FOR DA	04-11-22										
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B	RE-ISSUED FOR DA	08-08-22										
Issue	Description	Date										



SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1(2017). (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 RMS. SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND). RMS. FORM ACCORDANCE WITH AS 1289 5.2.1(2017) 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 RMS. FORM 3051, 3051.1 AND COMPACTED 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 RMS. 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 THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND 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. 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1(2017)

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS 51426 001DT 06-08-21 HAVE BEEN INVESTIGATED BY LTS SURVEYORS, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

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

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

NOTES

1. THE BOUNDARIES HAVE NOT BEEN MARKED ON GROUND
2. ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY NSW LAND REGISTRY SERVICES AND ARE SUBJECT TO FINAL SURVEY
3. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM PM33566 R.L. 44.474 (A.H.D.) IN MAMRE ROAD
4. CONTOUR INTERVAL 0.5 m
5. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
6. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
7. KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
8. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
9. 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
10. 8/4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
11. SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
12. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH

CONCRETE NOTES

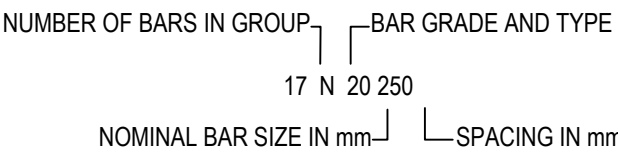
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600( 2018) CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

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

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL

- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.

3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S. SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
- N DENOTES GRADE 450 N BARS TO AS/NZS 4671 GRADE N
- R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS/NZS 4671
- SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS/NZS 4671



THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS/NZS 4671.

8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF MPa 25 U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 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 600mm 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.

CONTRACTOR SHALL CALL;  
DIAL BEFORE  
YOU DIG 1100

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



STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:  
A) AVERAGE RECURRENCE INTERVAL:  
1:100 YEARS ROOFED AREAS TO SURCHARGE PIT  
1:10 YEARS EXTERNAL PAVEMENTS
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS. 100
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. PIPES TO BE INSTALLED TO TYPE HS3 (ROAD) HS2 (LOTS) 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)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2021) AND AS/NZS 3500 3.2 (2021).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. 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. ALL INTERNAL PIT DIMENSIONS TO CONFORM TO AS3500.3 TABLE 7.5.2.1
14. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
15. 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.

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.

GENERAL NOTES

ALL CIVIL WORKS TO BE UNDERTAKEN AS PER PENRITH CITY COUNCIL ENGINEERING & CONSTRUCTION GUIDELINES.

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 REQUIREMENT  
b. EPA REQUIREMENTS  
c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
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 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


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.
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 FENCING.
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 AND THE TRUNK, WHICH EVER 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

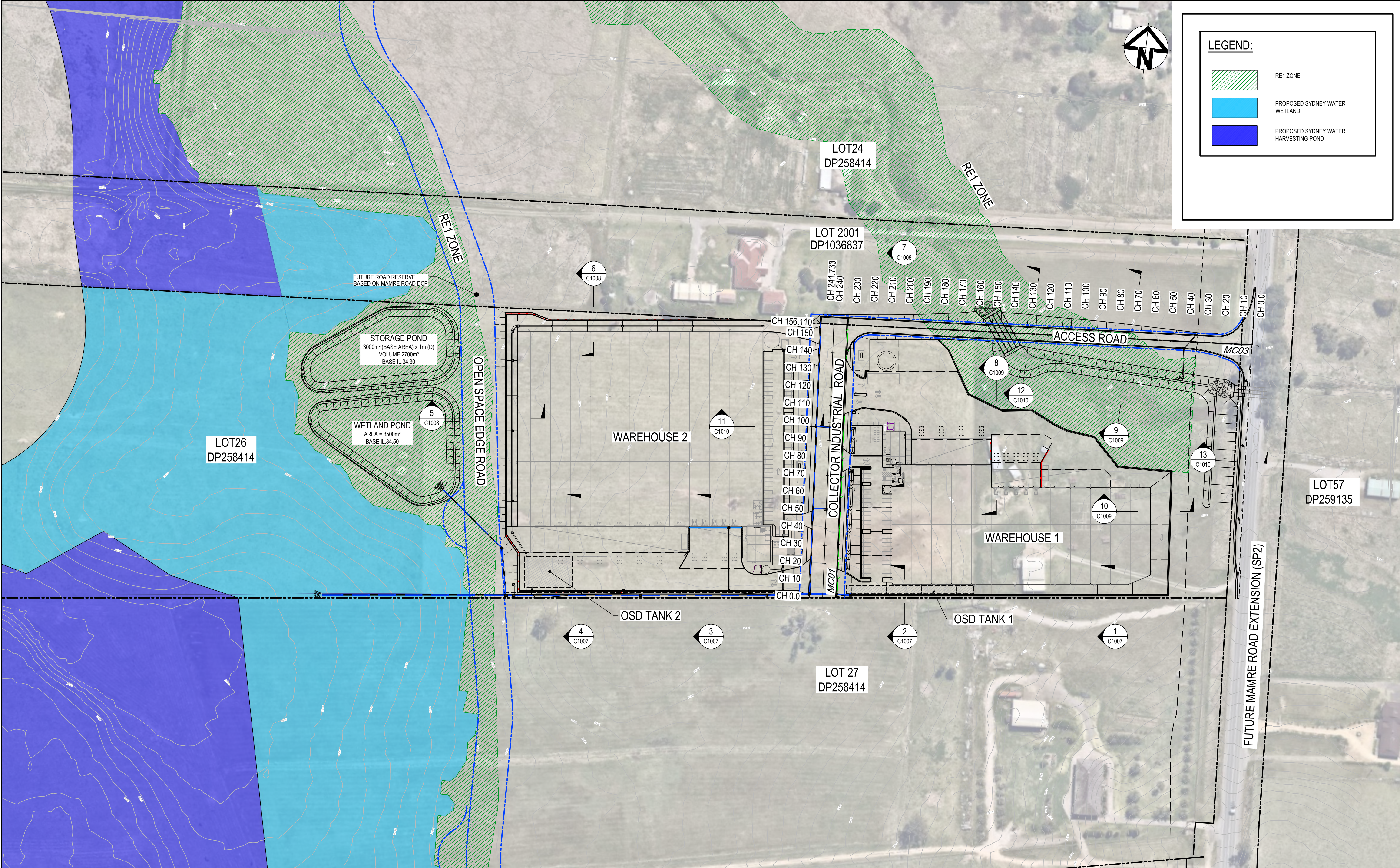
1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH  
a. LOCAL AUTHORITY REQUIREMENTS  
b. EPA REQUIREMENTS  
c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
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.

J	RE-ISSUED FOR DA	30-08-23	Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client	<div>GibbGroup.</div>	Scales	Drawn	NT	Project	805 MAMRE ROAD KEMPS CREEK	<div>Civil Engineers and Project Managers</div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</div>
I	RE-ISSUED FOR DA	21-04-23						Designed	QD & TS			
H	RE-ISSUED FOR DA	02-03-23						Checked	MG			
G	RE-ISSUED FOR DA	02-02-23						Approved				
F	RE-ISSUED FOR DA	22-12-22						Grid	GDA 2020	<div>Title</div> <div>GENERAL NOTES</div>	<div></div>	
E	RE-ISSUED FOR DA	10-11-22						Height Datum	AHD			
D	RE-ISSUED FOR DA	04-11-22										
C	RE-ISSUED FOR DA	09-08-22										
B	RE-ISSUED FOR DA	08-08-22									<div>Project - Drawing No.</div> <div>21-894-C1002</div> <div>Issue</div> <div>J</div>	
Issue	Description	Date										

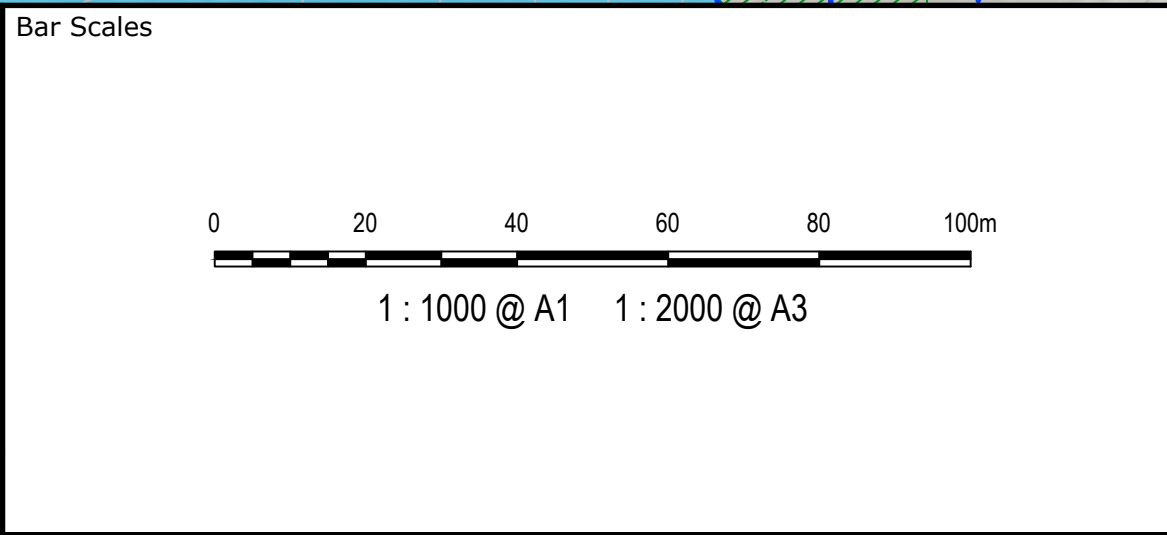
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J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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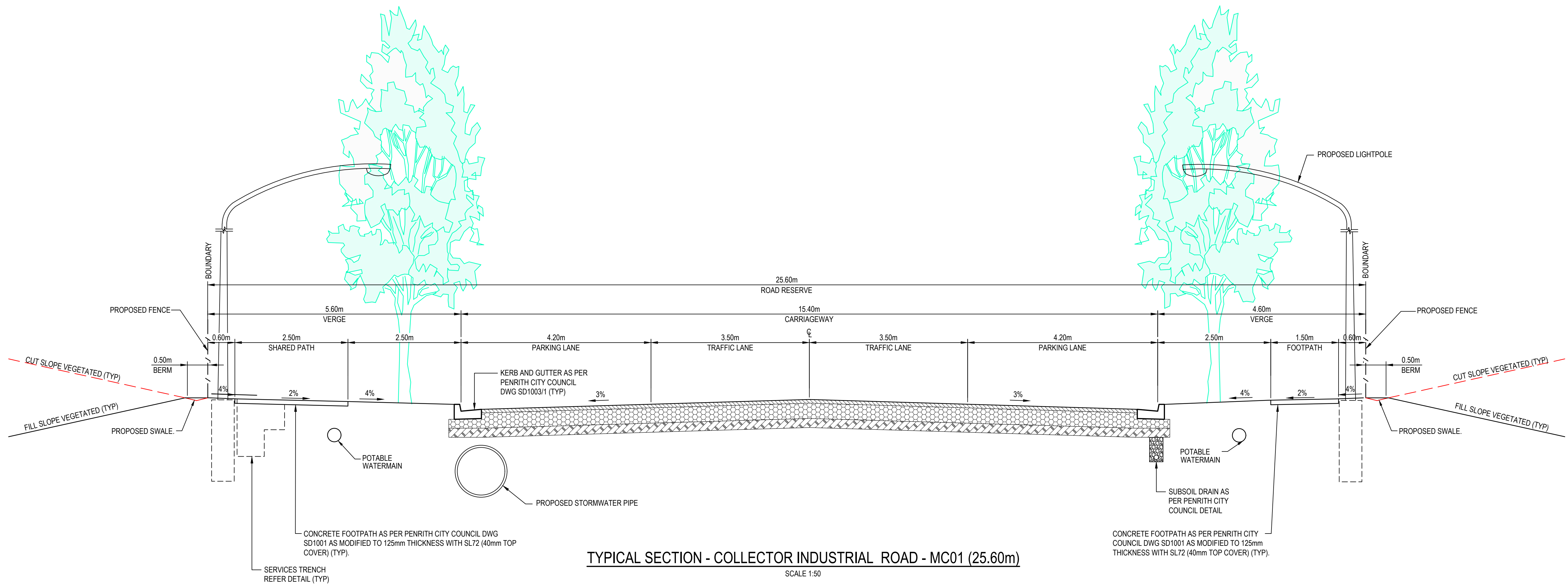


Scales	Drawn	NT
	Designed	QD & TS
Grid GDA 2020	Checked	MG
Height Datum AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1003	Issue J





J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

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

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Scales	1 : 50	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	TYPICAL ROAD CROSS SECTIONS SHEET 1

Civil Engineers and Project Managers

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

**at&l**

Status

**FOR APPROVAL  
NOT FOR CONSTRUCTION**

Project - Drawing No.

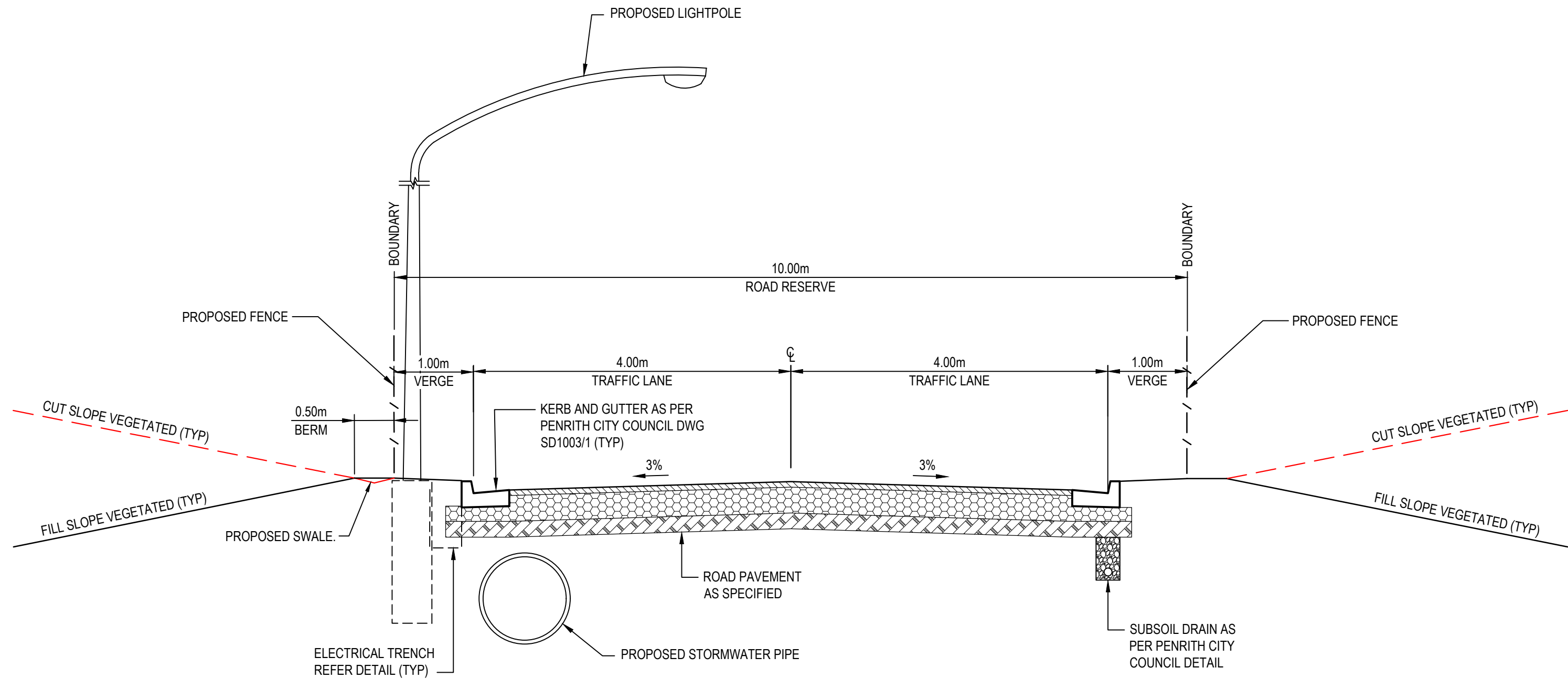
**21-894-C1004**

Issue

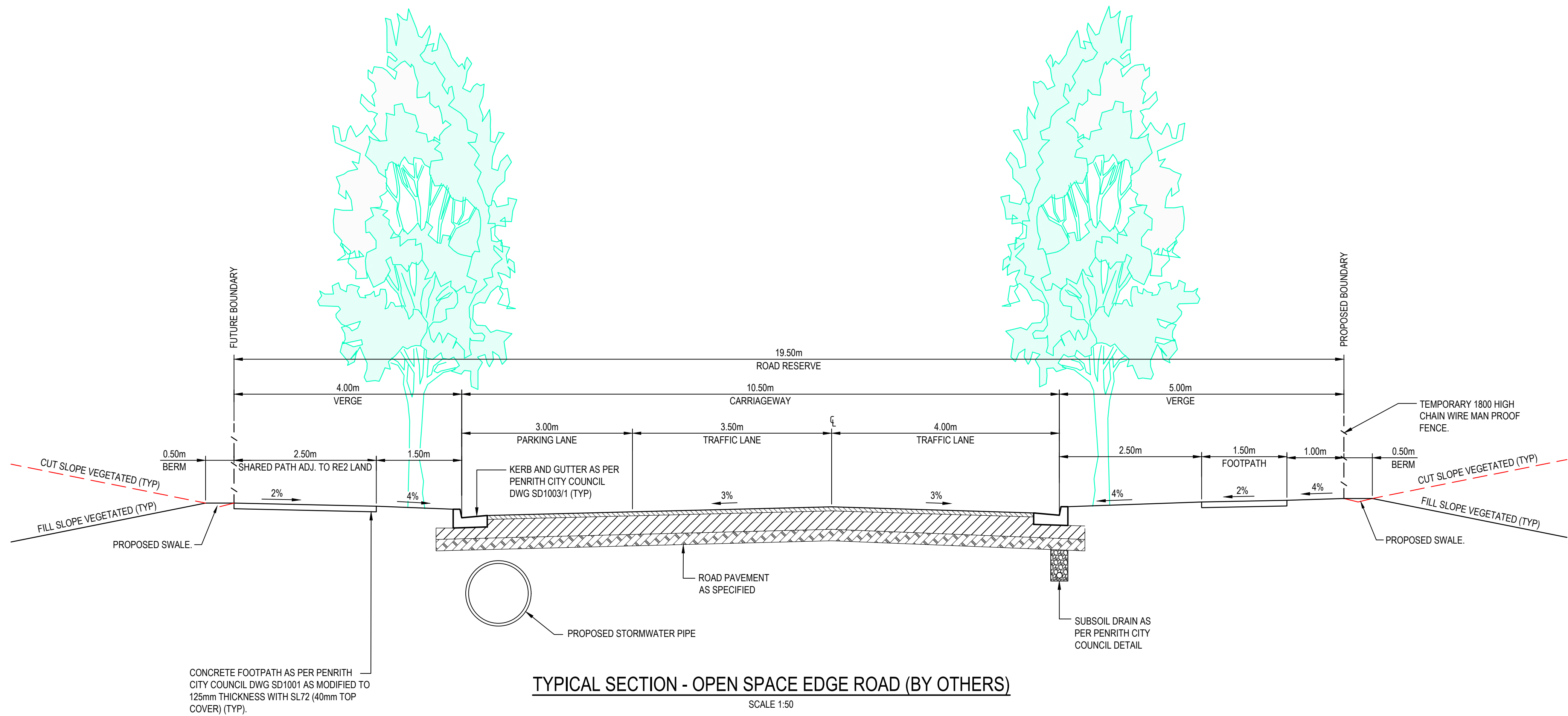
**A1**

**J**





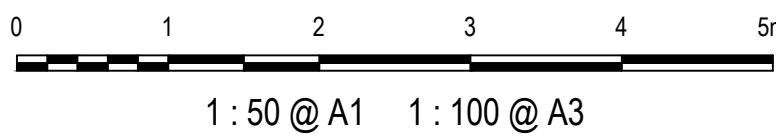
TYPICAL SECTION - ACCESS ROAD - MC03 (10.50m)  
SCALE 1:50



TYPICAL SECTION - OPEN SPACE EDGE ROAD (BY OTHERS)  
SCALE 1:50

J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales



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Scales  
1 : 50

Grid  
GDA 2020

Height  
Datum  
AHD



Drawn  
NT

Designed  
QD & TS

Checked  
MG

Approved

Project  
805 MAMRE ROAD  
KEMPS CREEK

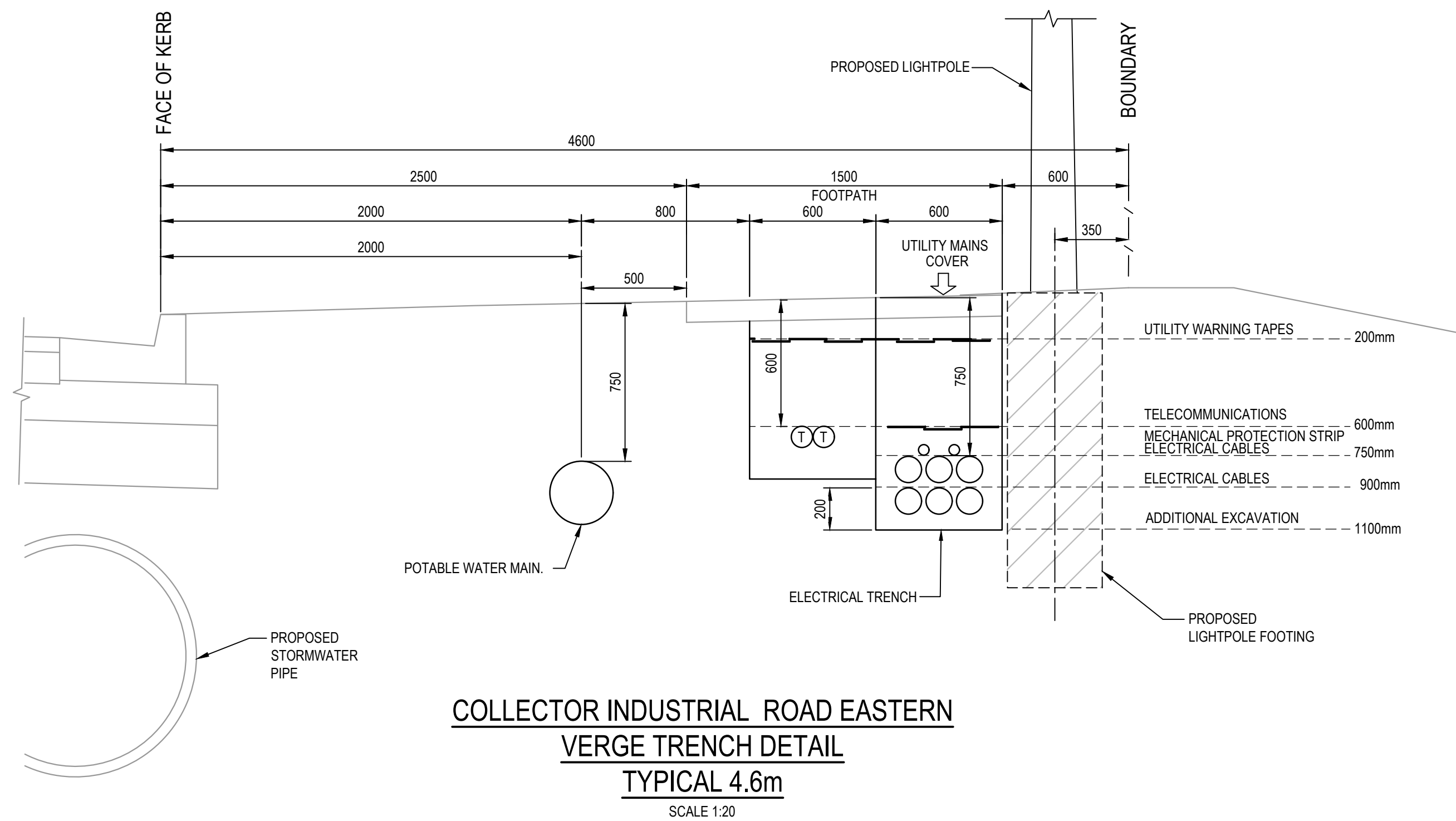
Title  
TYPICAL ROAD  
CROSS SECTIONS  
SHEET 2

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

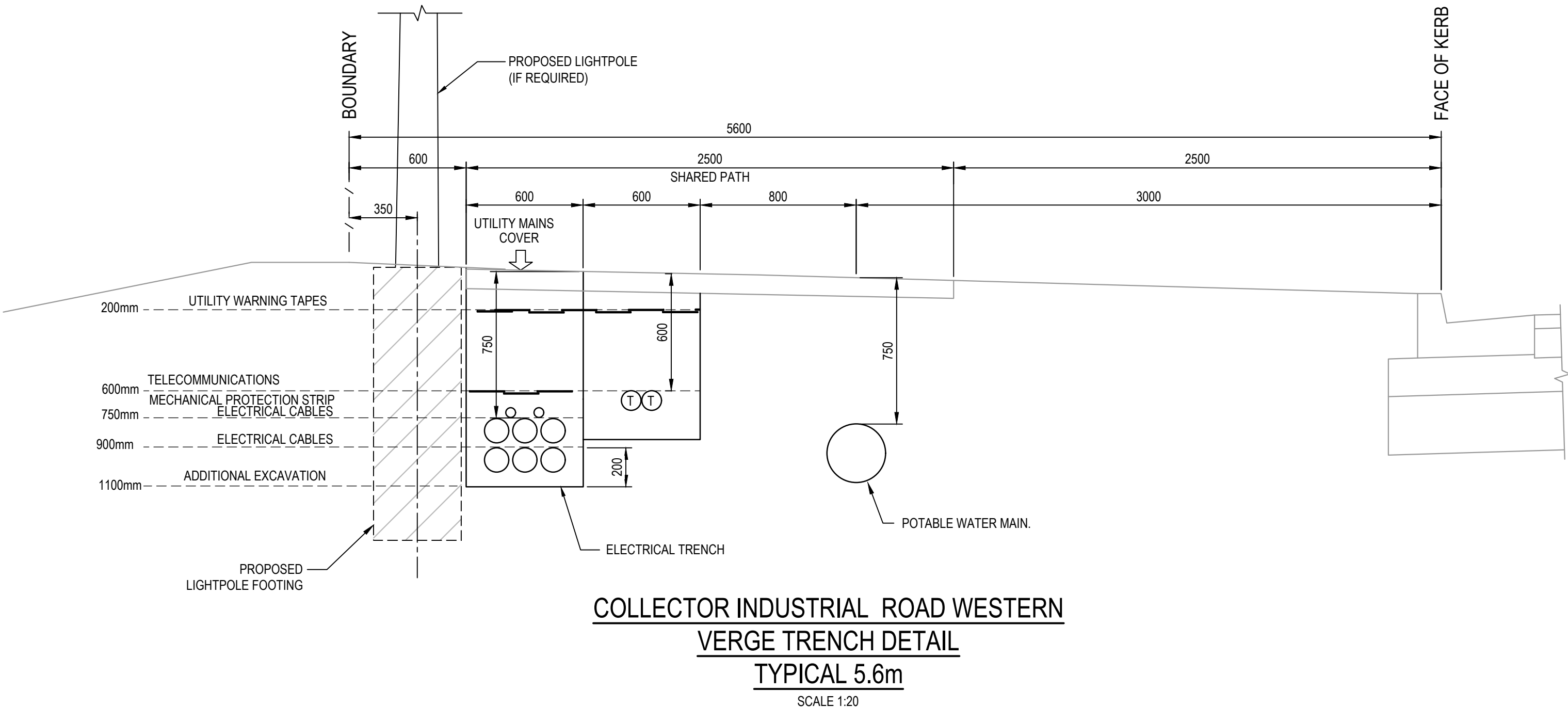


Status FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No. 21-894-C1005	Issue J

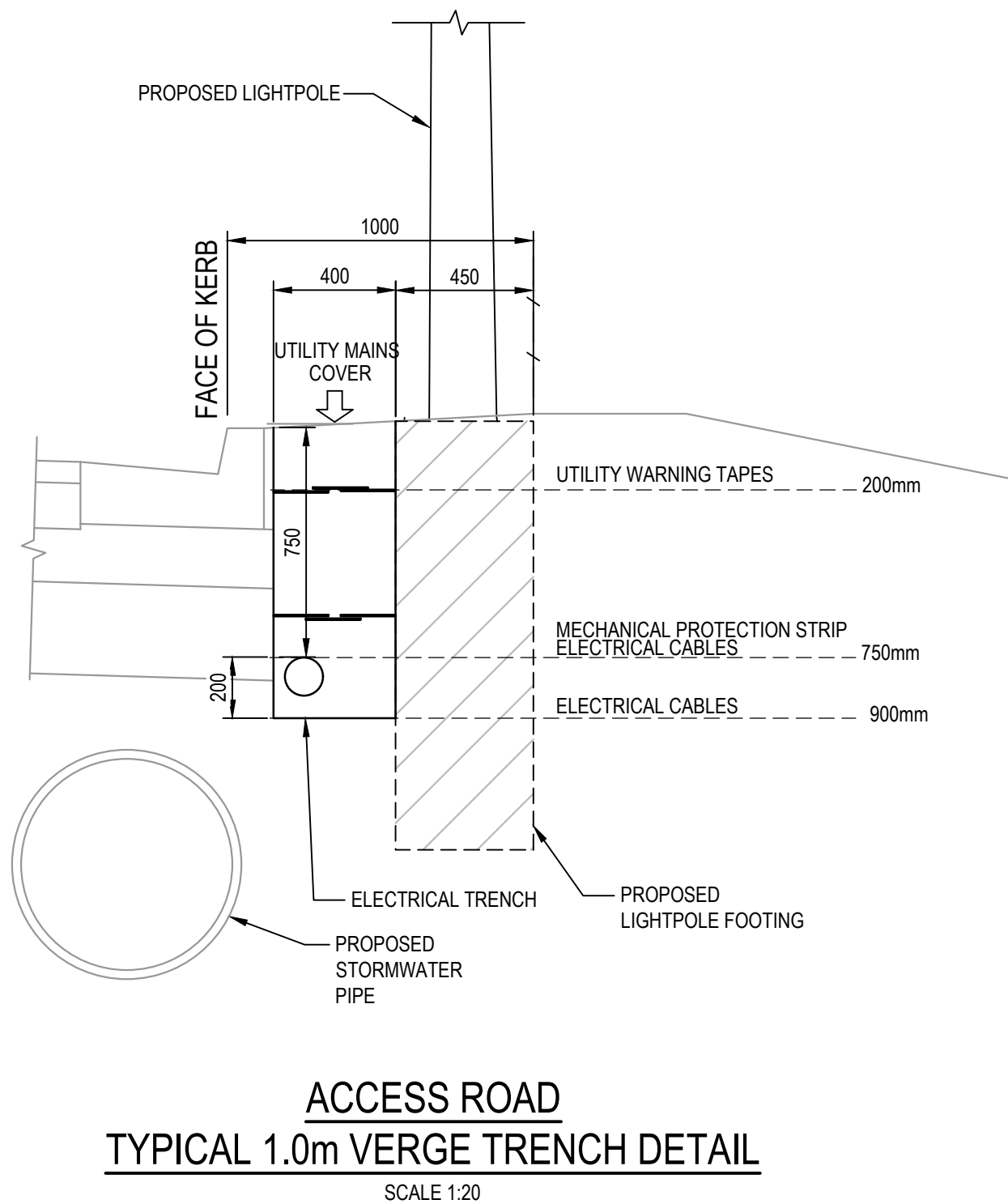




COLLECTOR INDUSTRIAL ROAD EASTERN  
VERGE TRENCH DETAIL  
TYPICAL 4.6m  
SCALE 1:20



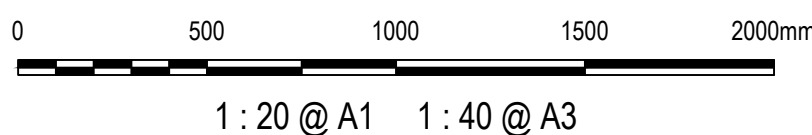
COLLECTOR INDUSTRIAL ROAD WESTERN  
VERGE TRENCH DETAIL  
TYPICAL 5.6m  
SCALE 1:20



ACCESS ROAD  
TYPICAL 1.0m VERGE TRENCH DETAIL  
SCALE 1:20

J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales



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Client

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Scales

AS SHOWN

Drawn

NT

Designed

QD & TS

Grid

GDA 2020

Checked

MG

Height  
Datum

AHD

Approved



Project

805 MAMRE ROAD  
KEMPS CREEK

Title

TYPICAL VERGE  
SECTIONS

Civil Engineers and Project Managers

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

Status

FOR APPROVAL  
NOT FOR CONSTRUCTION

Project - Drawing No.

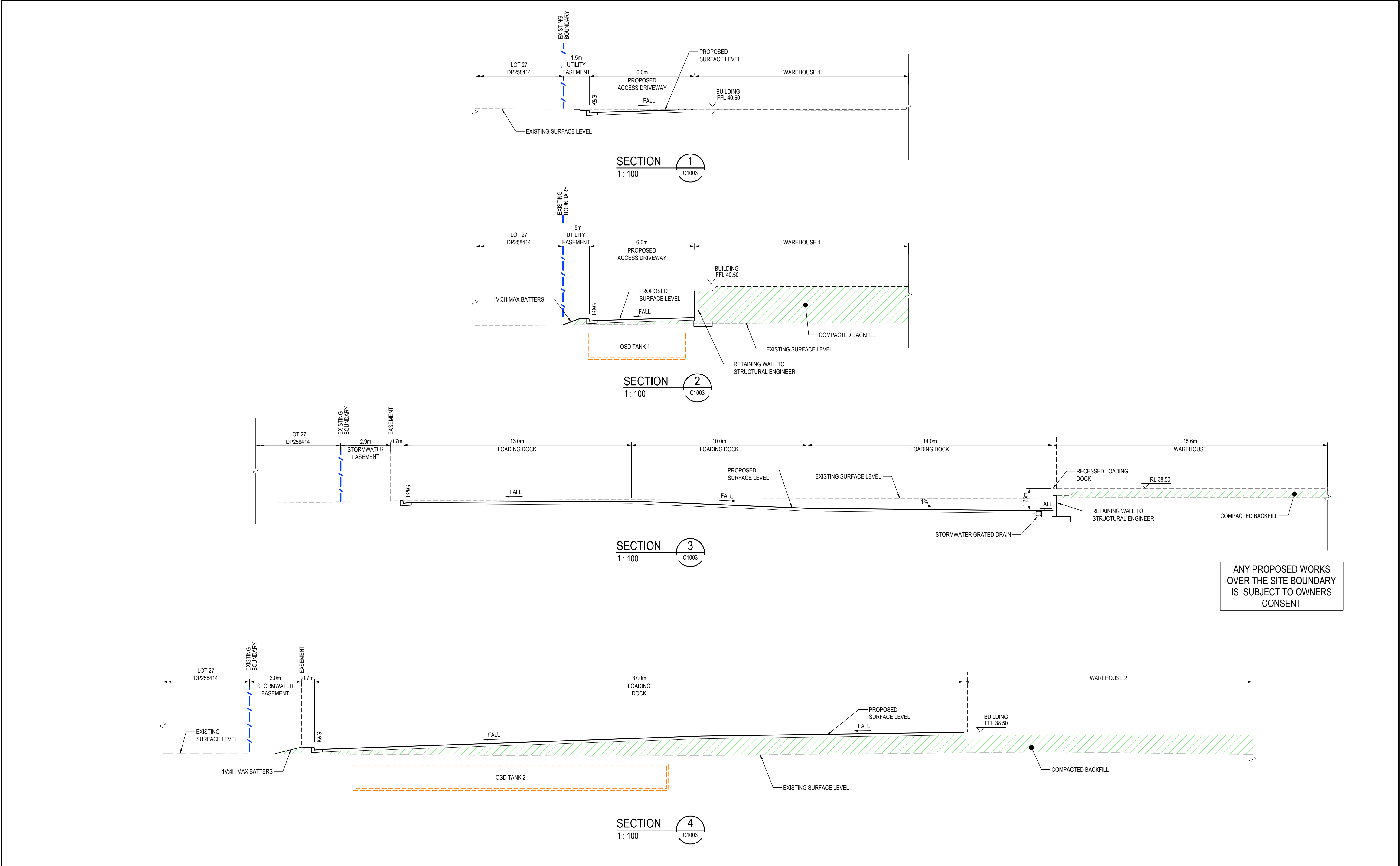
21-894-C1006

Issue

J

A1
J

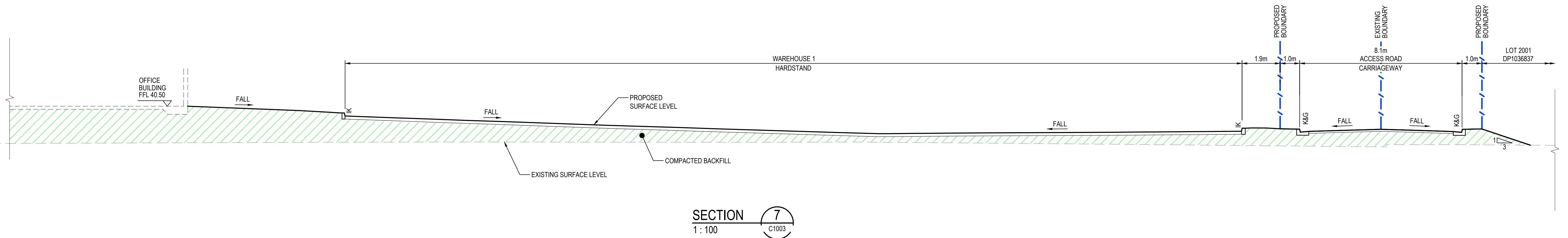
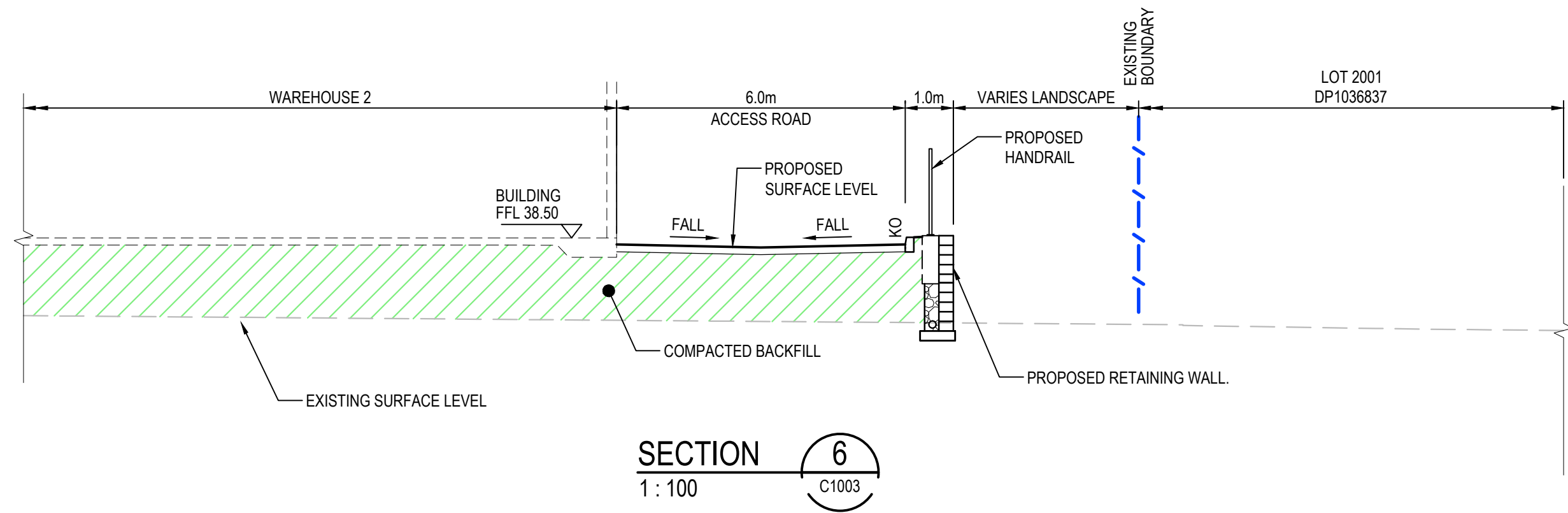
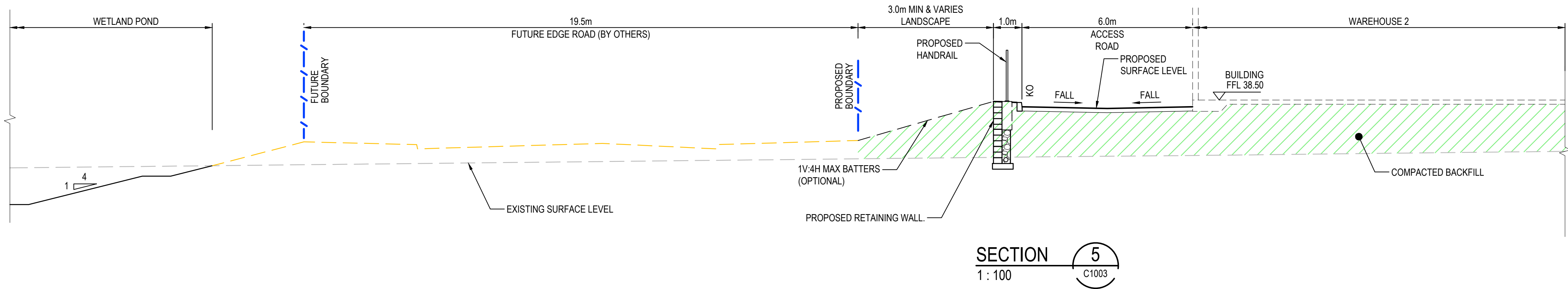




ANY PROPOSED WORKS  
OVER THE SITE BOUNDARY  
IS SUBJECT TO OWNERS  
CONSENT

J	RE-ISSUED FOR DA	30-08-23	<div>Bar Scales</div> <div><div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10m</div></div><div>1 : 100 @ A1    1 : 200 @ A3</div></div>	<div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</div>	<div>Client</div> <div>GibbGroup.</div>	<div>Scales</div> <div>1 : 100</div>	<div>Drawn</div> <div>NT</div>	<div>Project</div> <div>805 MAMRE ROAD KEMPS CREEK</div>	<div>Civil Engineers and Project Managers</div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</div>	<div>at&amp;l</div>								
I	RE-ISSUED FOR DA	21-04-23																
H	RE-ISSUED FOR DA	02-03-23																
G	RE-ISSUED FOR DA	02-02-23																
F	RE-ISSUED FOR DA	22-12-22																
E	RE-ISSUED FOR DA	10-11-22																
D	RE-ISSUED FOR DA	04-11-22																
C	RE-ISSUED FOR DA	09-08-22	<div>Issue</div> <div>Description</div> <div>Date</div>				<div>Grid</div> <div>GDA 2020</div>	<div>Checked</div> <div>MG</div>	<div>Title</div> <div>TYPICAL SITE SECTIONS SHEET 1</div>	<div>Status</div> <div>FOR APPROVAL NOT FOR CONSTRUCTION</div>	<div>A1</div>							
B	RE-ISSUED FOR DA	08-08-22																
							<div>Height Datum</div> <div>AHD</div>	<div>Approved</div>	<div>Project - Drawing No.</div> <div>21-894-C1007</div>	<div>Issue</div> <div>J</div>								
							<div>GDA2020</div>											





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H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
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E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

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Client

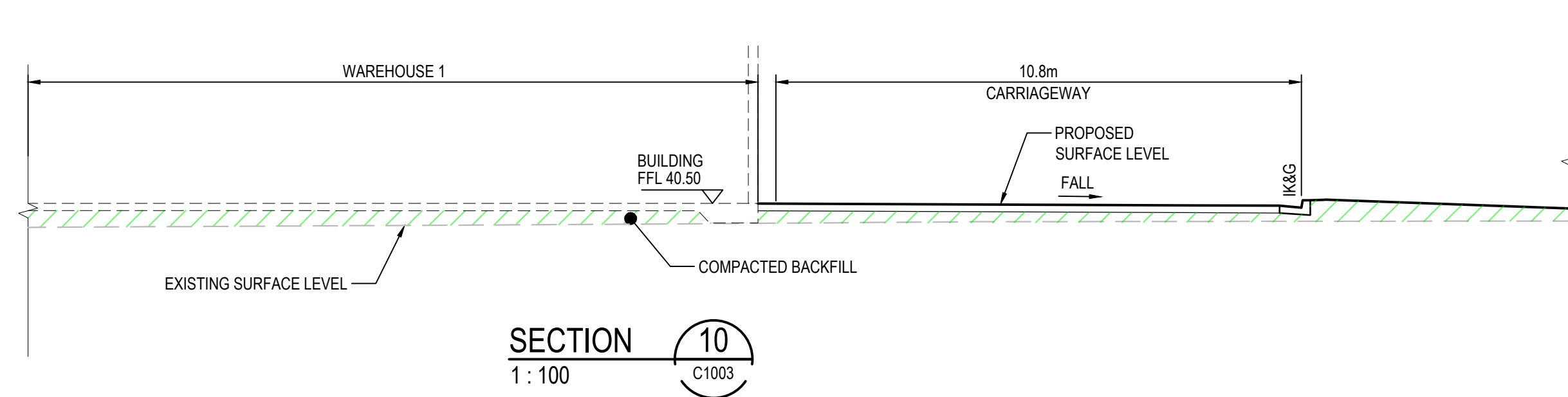
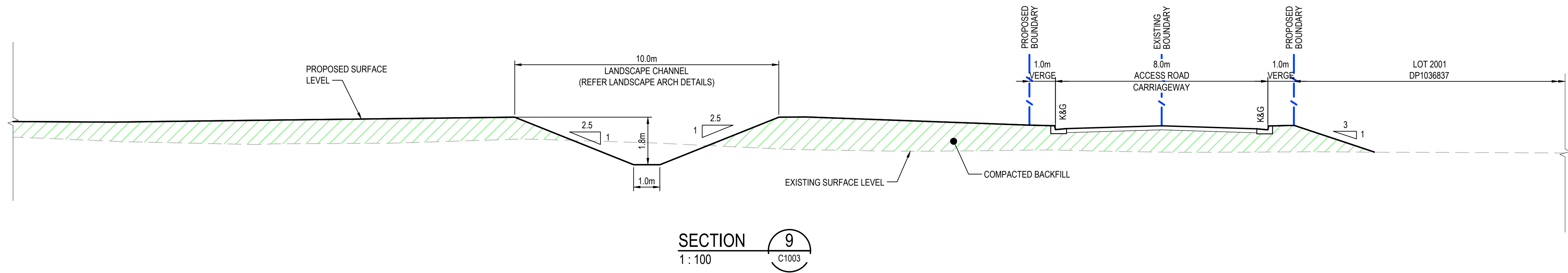
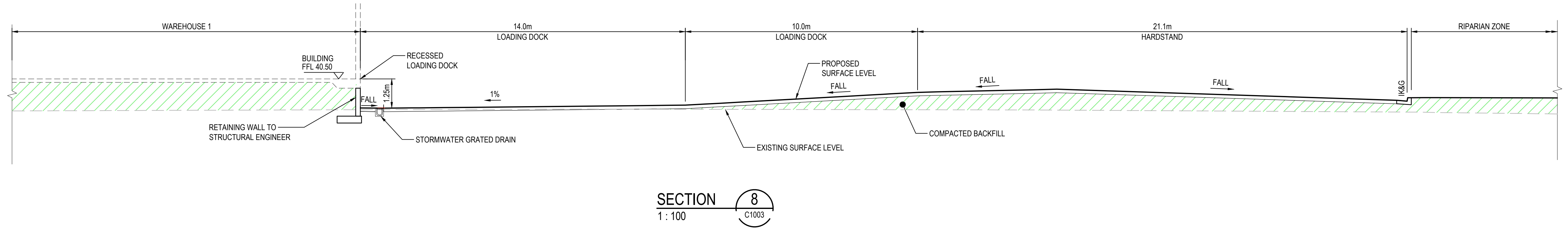
**GibbGroup.**

Scales	1 : 100	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

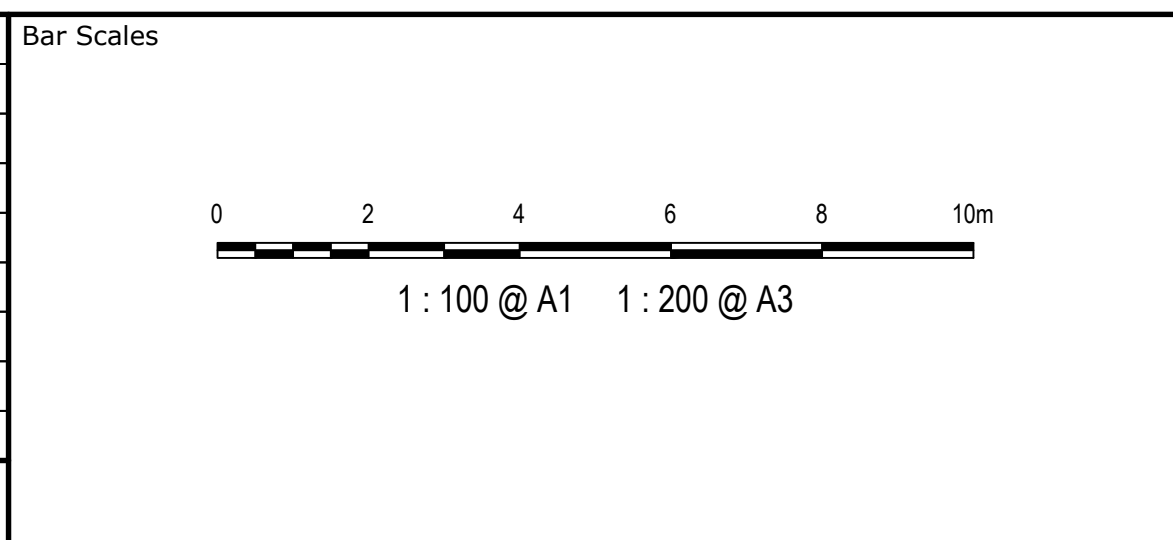
Project	805 MAMRE ROAD KEMPS CREEK
Title	TYPICAL SITE SECTIONS SHEET 2

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1008	Issue J





J	RE-ISSUED FOR DA	30-08-23
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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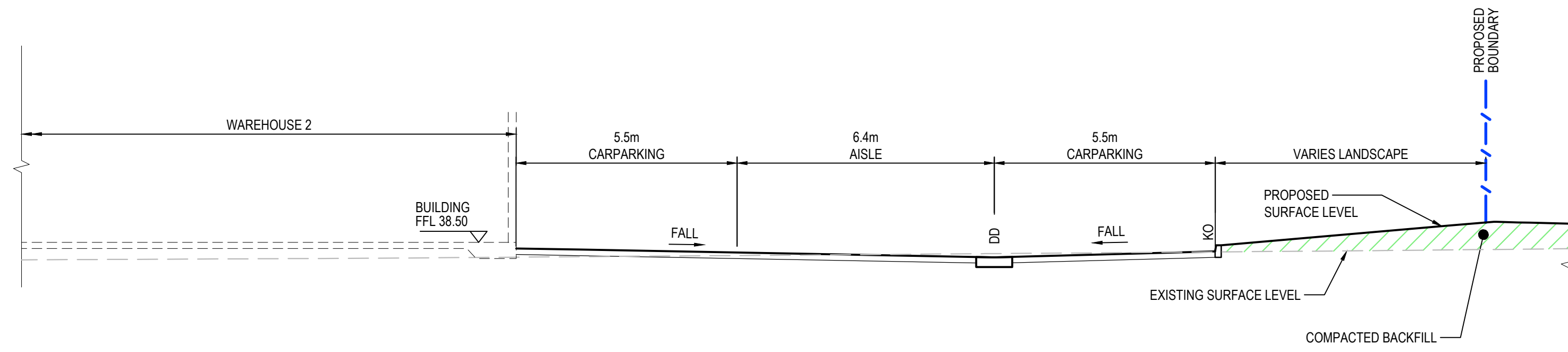


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Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

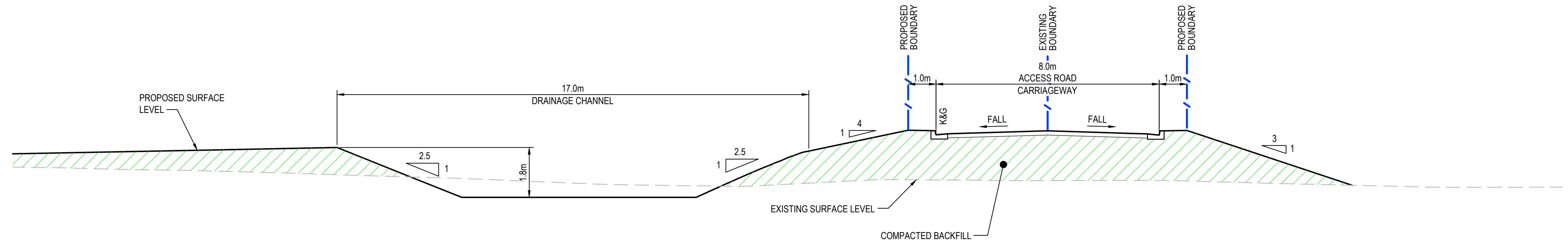
Project	805 MAMRE ROAD KEMPS CREEK
Title	TYPICAL SITE SECTIONS SHEET 3

Civil Engineers and Project Managers <b>at&amp;l</b> Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1009	Issue J

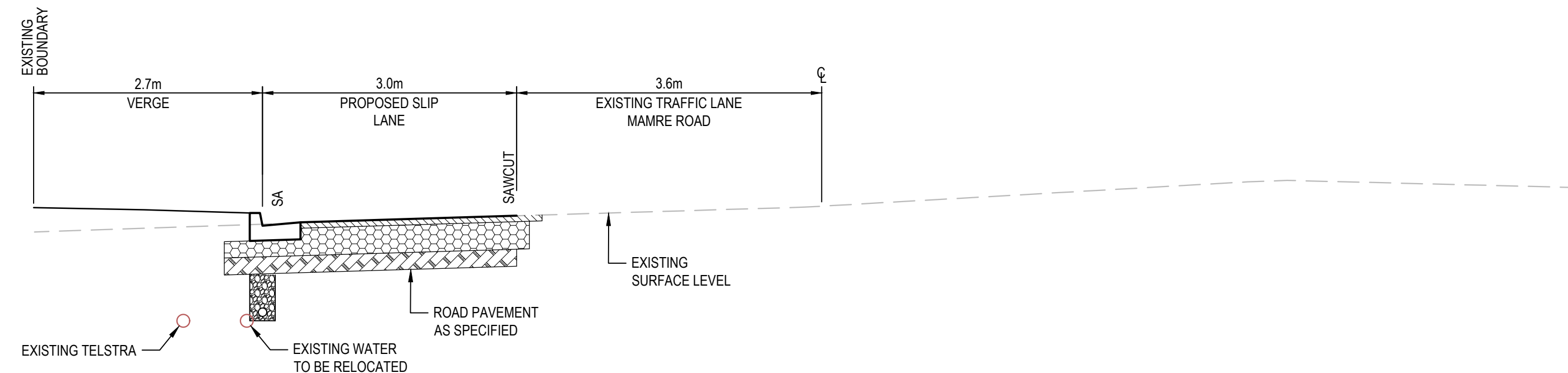




SECTION 11  
1 : 100

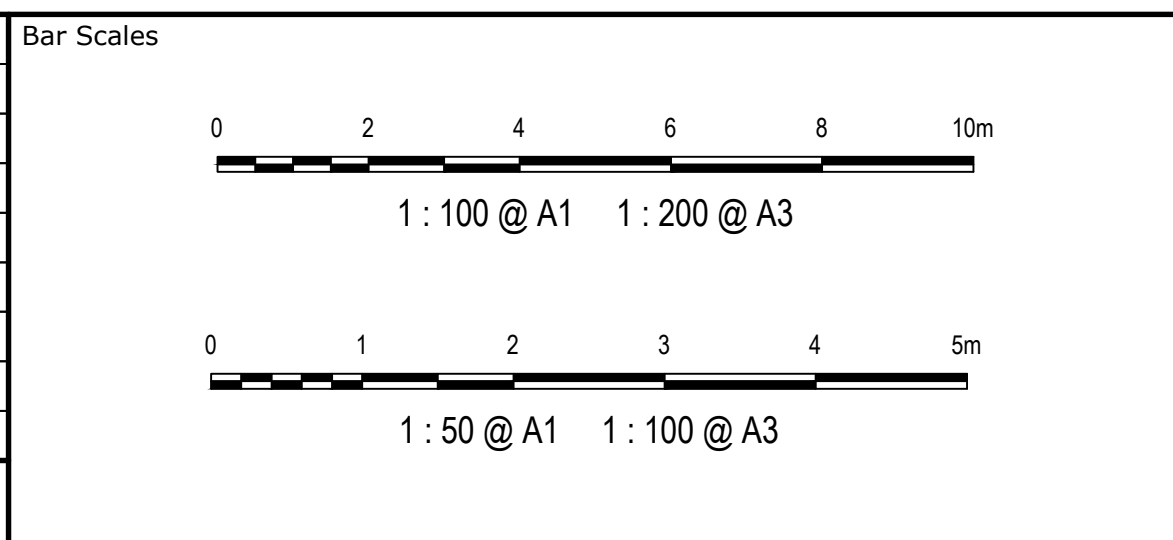


SECTION 12  
1 : 100



SECTION 13  
1 : 50

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I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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Client

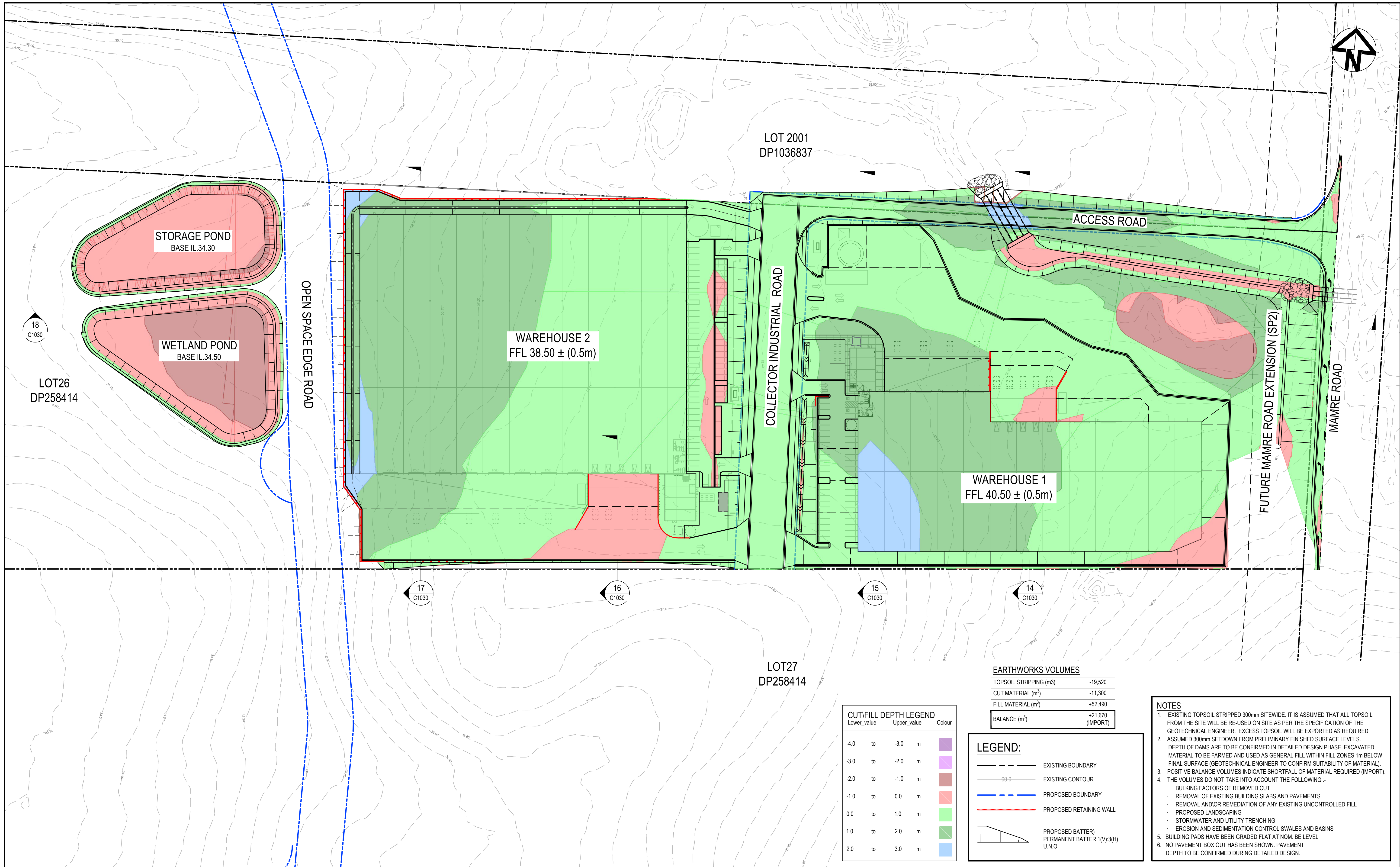
**GibbGroup.**

Scales	AS SHOWN	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	TYPICAL SITE SECTIONS SHEET 4

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1010	Issue J





J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
0 15 30 45 60 75m
1 : 750 @ A1 1 : 1500 @ A3

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Scales	1 : 750
Grid	GDA 2020
Height Datum	AHD
Drawn	NT
Designed	QD & TS
Checked	MG
Approved	
GDA2020	

Project	805 MAMRE ROAD KEMPS CREEK
Title	BULK EARTHWORKS PLAN

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1030	Issue J

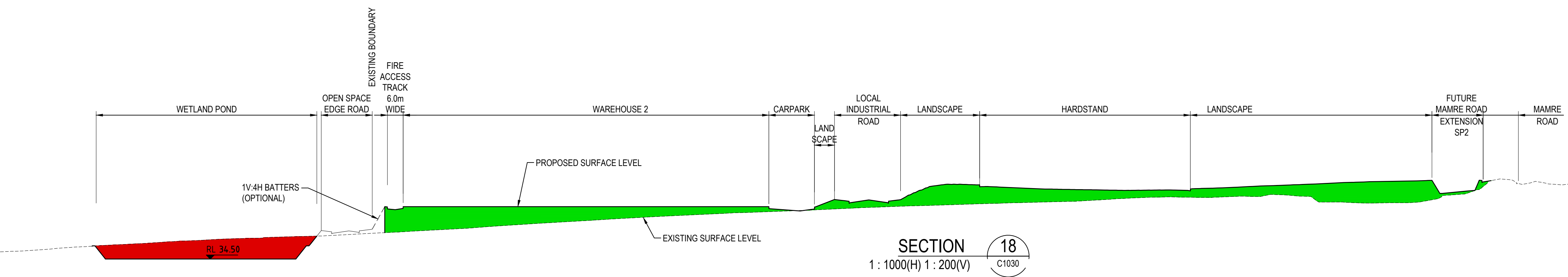
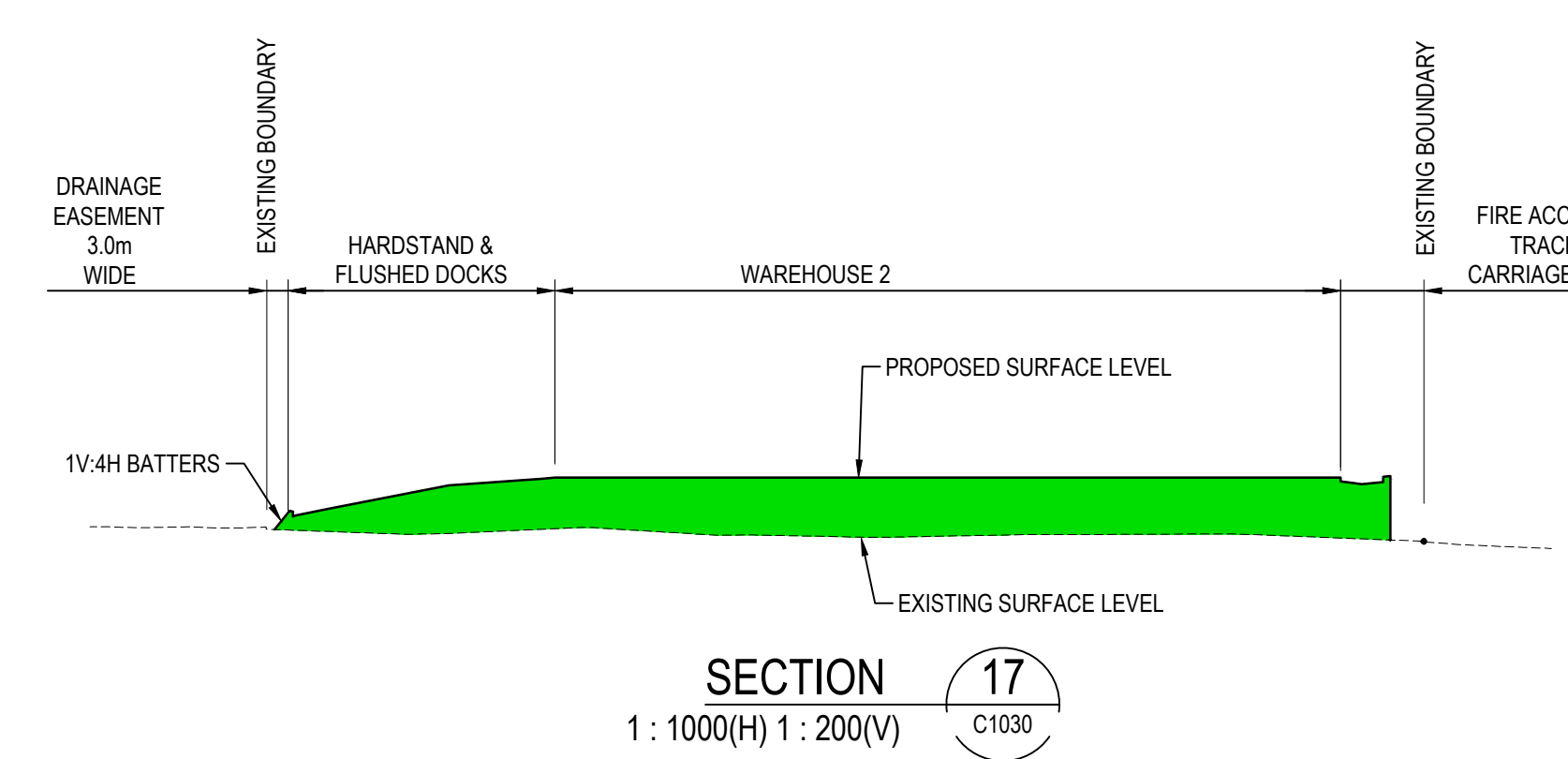
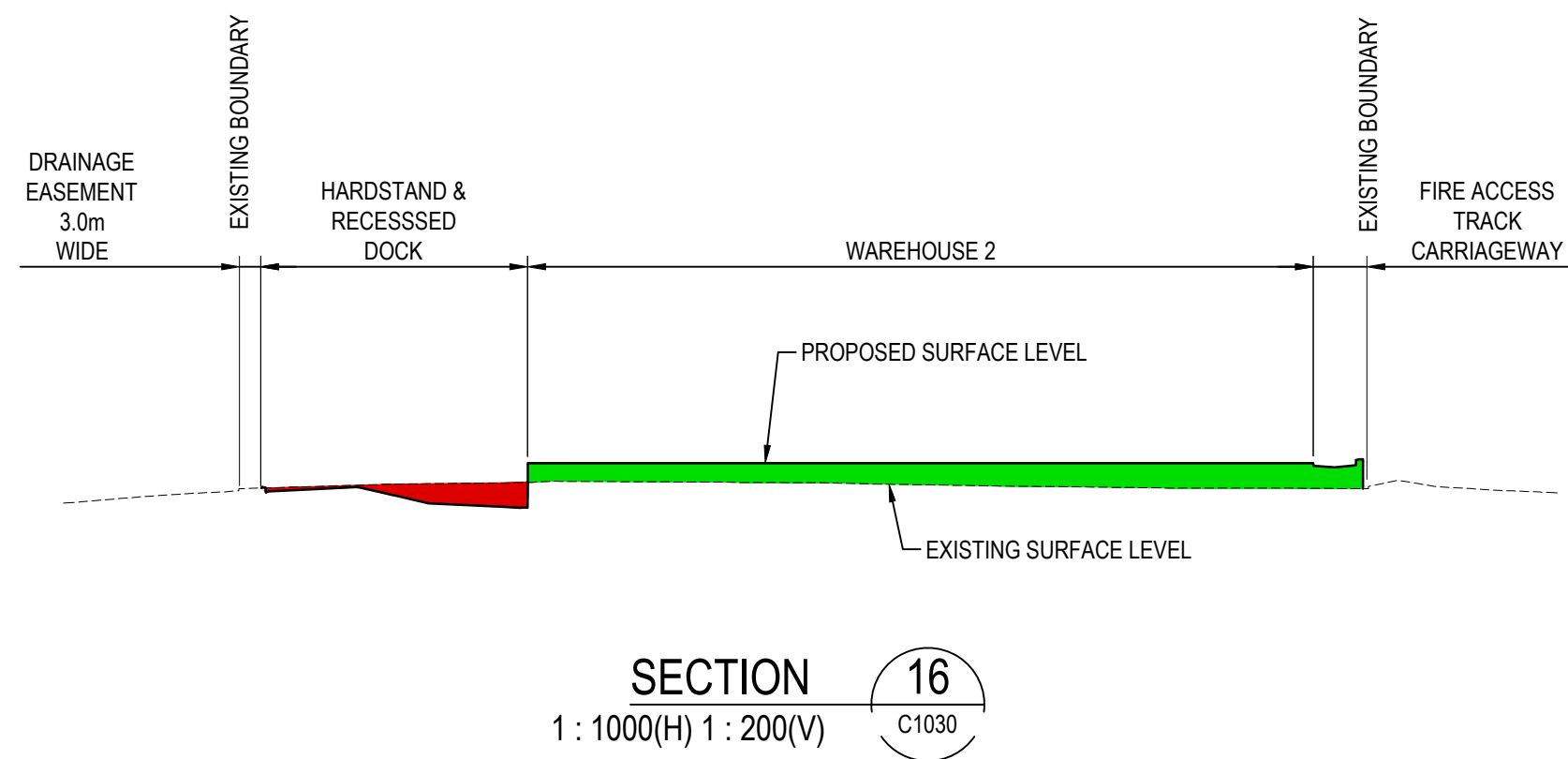
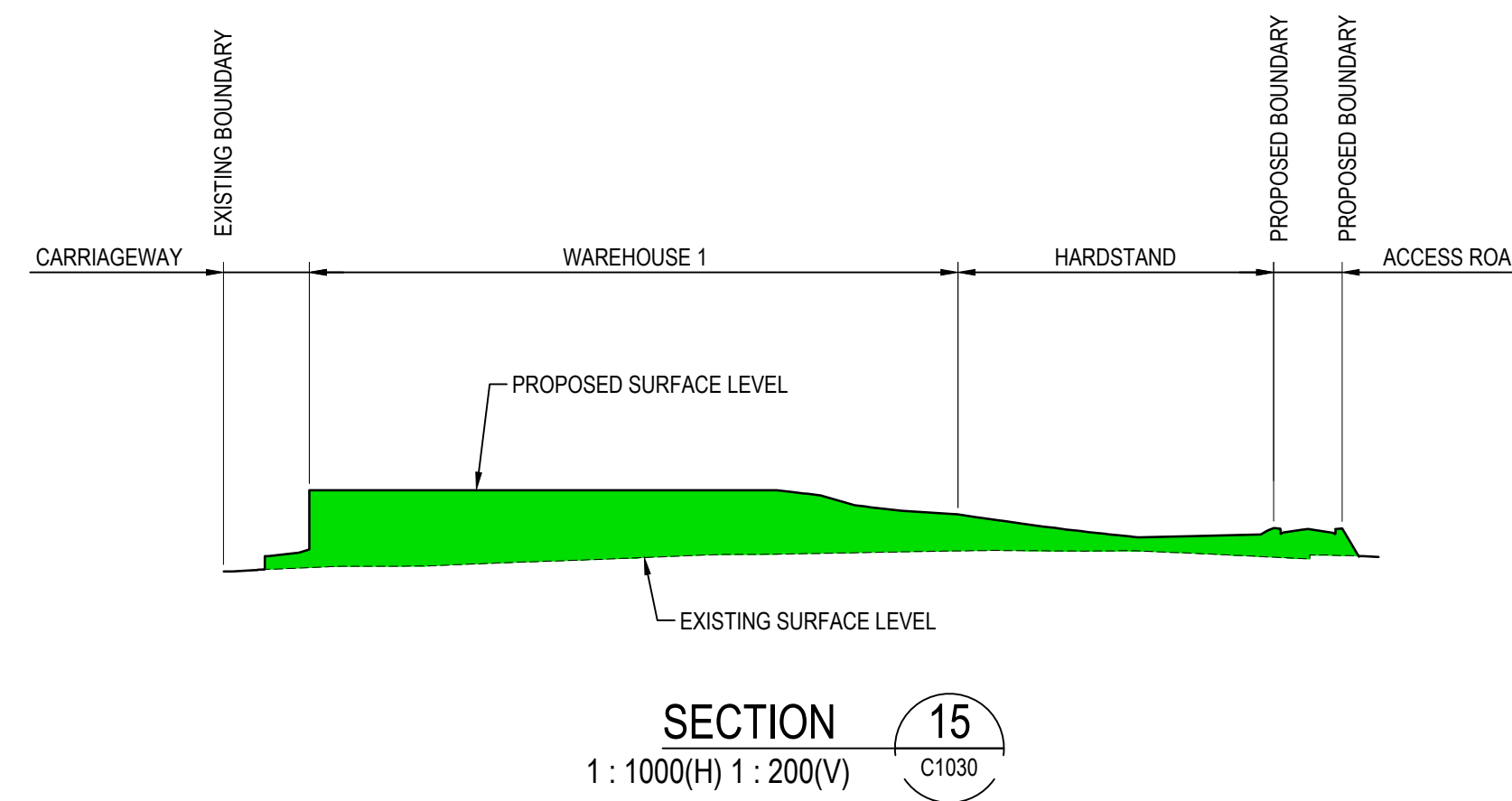
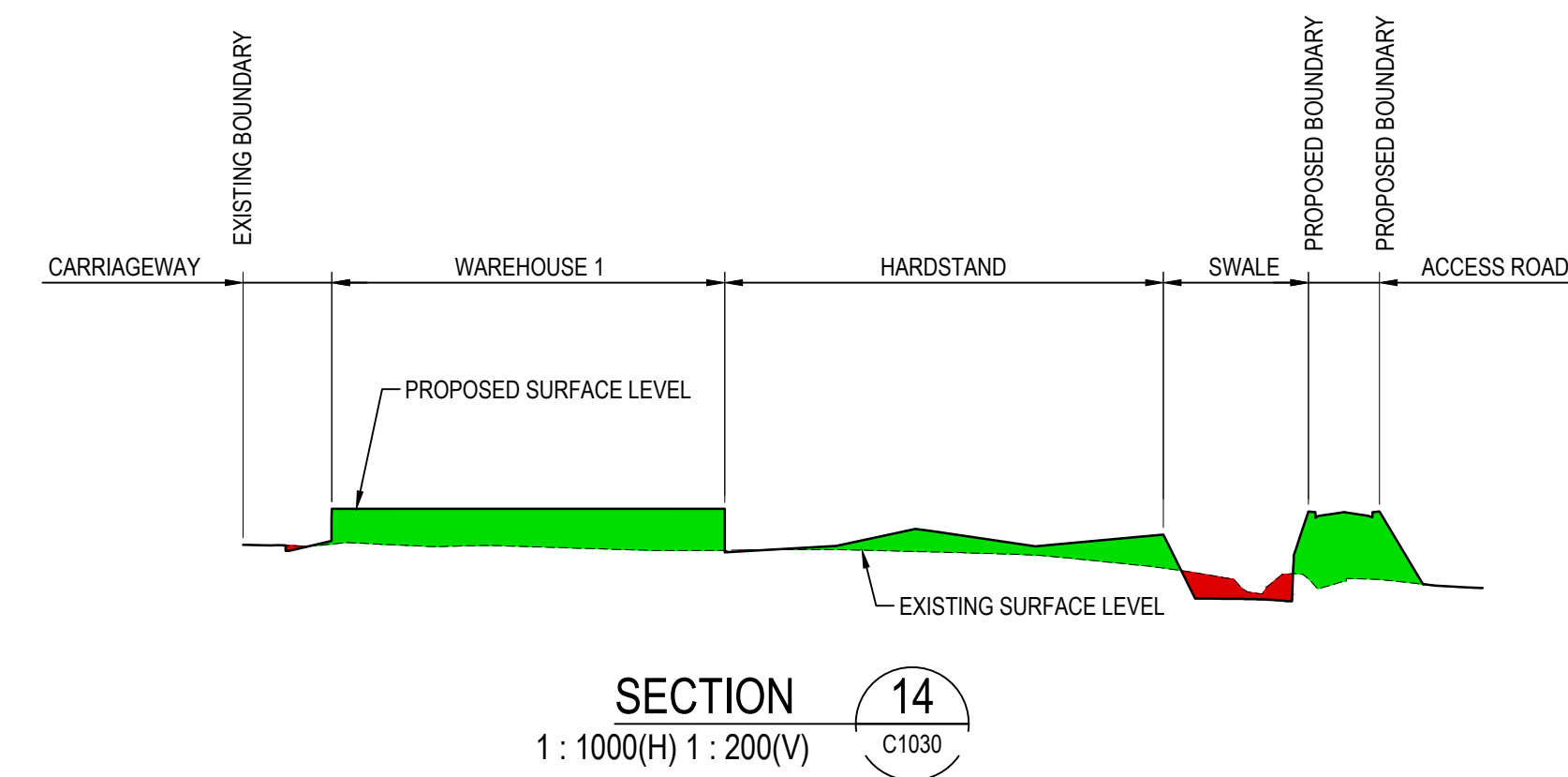
CUT/FILL DEPTH LEGEND		
Lower_value	Upper_value	Colour
-4.0	to -3.0	m
-3.0	to -2.0	m
-2.0	to -1.0	m
-1.0	to 0.0	m
0.0	to 1.0	m
1.0	to 2.0	m
2.0	to 3.0	m

LEGEND:	
---	EXISTING BOUNDARY
---	EXISTING CONTOUR
---	PROPOSED BOUNDARY
---	PROPOSED RETAINING WALL
---	PROPOSED BATTER PERMANENT BATTER 1(V):3(H) U.N.O

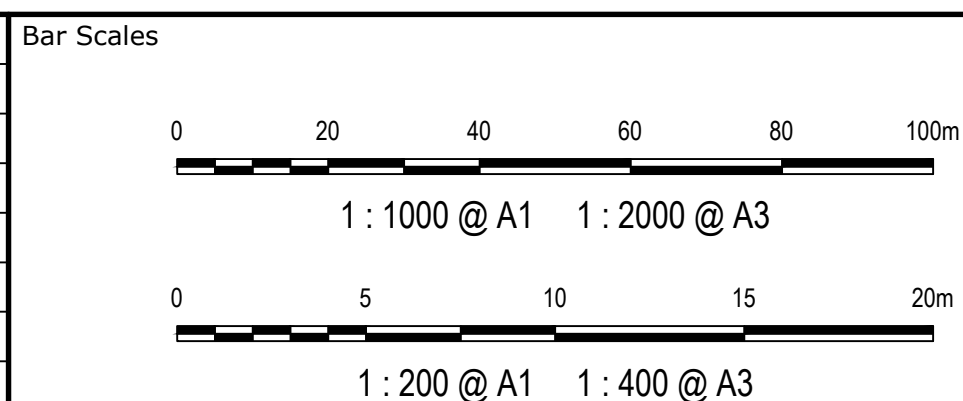
EARTHWORKS VOLUMES	
TOPSOIL STRIPPING (m³)	-19,520
CUT MATERIAL (m³)	-11,300
FILL MATERIAL (m³)	+52,490
BALANCE (m³)	+21,670 (IMPORT)

- NOTES
- EXISTING TOPSOIL STRIPPED 300mm SITEWIDE. IT IS ASSUMED THAT ALL TOPSOIL FROM THE SITE WILL BE RE-USED ON SITE AS PER THE SPECIFICATION OF THE GEOTECHNICAL ENGINEER. EXCESS TOPSOIL WILL BE EXPORTED AS REQUIRED.
  - ASSUMED 300mm SETDOWN FROM PRELIMINARY FINISHED SURFACE LEVELS. DEPTH OF DAMS ARE TO BE CONFIRMED IN DETAILED DESIGN PHASE. EXCAVATED MATERIAL TO BE FARMED AND USED AS GENERAL FILL WITHIN FILL ZONES 1m BELOW FINAL SURFACE (GEOTECHNICAL ENGINEER TO CONFIRM SUITABILITY OF MATERIAL).
  - POSITIVE BALANCE VOLUMES INDICATE SHORTFALL OF MATERIAL REQUIRED (IMPORT).
  - THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
    - BULKING FACTORS OF REMOVED CUT
    - 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
  - BUILDING PADS HAVE BEEN GRADED FLAT AT NOM. BE LEVEL
  - NO PAVEMENT BOX OUT HAS BEEN SHOWN. PAVEMENT DEPTH TO BE CONFIRMED DURING DETAILED DESIGN.





J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
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C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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Scales	AS SHOWN	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	BULK EARTHWORKS SECTIONS

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1031	Issue J

LEGEND:

EXISTING ELECTRICITY OVERHEAD

EXISTING TELECOM OVERHEAD

EXISTING POTABLE WATER

EXISTING POWER POLE

EXISTING BOUNDARY

PROPOSED BOUNDARY

PROPOSED EASEMENT

PROPOSED RETAINING WALL

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

PROPOSED BATTER

PROPOSED KERB AND GUTTER

PROPOSED KERB ONLY

PROPOSED KERB AND GUTTER  
INTEGRAL TO CONCRETE SLAB

PROPOSED KERB EDGING INTEGRAL  
TO CONCRETE SLAB

PROPOSED GUARD RAIL

PROPOSED DRIVEWAY LAYBACK

SUBSOIL DRAINAGE LINE WITH  
FLUSHING POINT

SUBSOIL DRAINAGE LINE WITH  
INTERMEDIATE RISER

PROPOSED CATCH DRAIN

PROPOSED STORMWATER PIT LABEL

PROPOSED STORMWATER  
JUNCTION PIT

PROPOSED STORMWATER  
JUNCTION PIT

PROPOSED STORMWATER KERB  
INLET PIT WITH LINTEL

PROPOSED STORMWATER PIPE  
WITH HEADWALL

PROPOSED STORMWATER LINE

PROPOSED UPVC ROOF WATER  
DRAINAGE LINE (MAX Ø300mm)

PROPOSED GRATED DRAIN  
250mm Class 'D' GRATE

GD

FUTURE MAMRE ROAD

PROPOSED FLEXIBLE ROAD  
PAVEMENT

PROPOSED CONCRETE FOOTPATH

RE1 ZONE

NOTES:

1. ALL LEVELS SHOWN ARE ± 0.5m

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

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

4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING  
DETAILED DESIGN.

LOT27  
DP258414

PROPOSED WAREHOUSE 1  
FFL 40.50 ± (0.5m)

PROPOSED WAREHOUSE 2  
FFL 38.50 ± (0.5m)

NOTE  
UTILITY SERVICE LOCATIONS  
INDICATIVE ONLY, TO BE  
CONFIRMED AT DETAILED DESIGN.

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B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales

0

5

10

15

20

25m

1 : 250 @ A1    1 : 500 @ A3

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Client

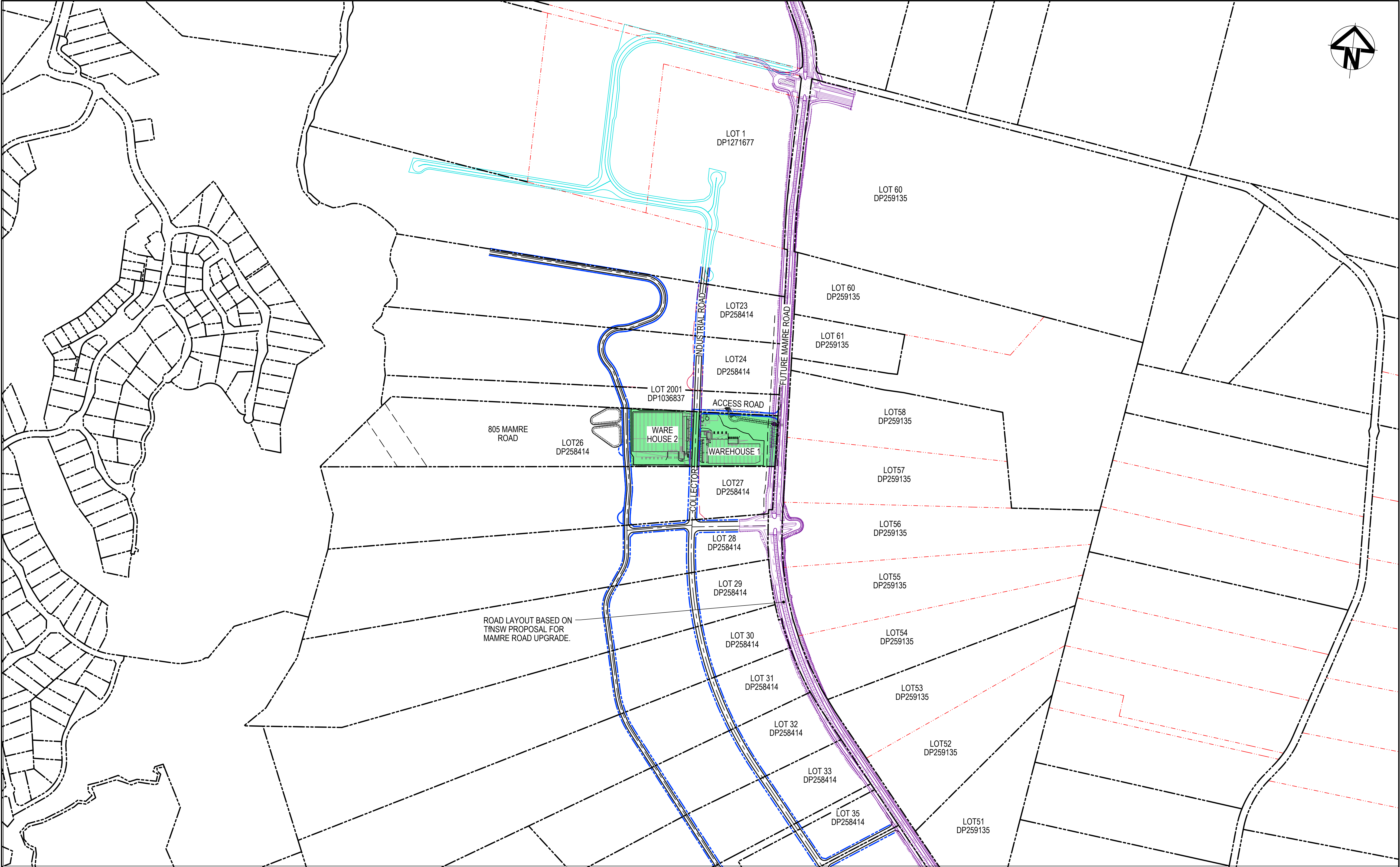
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		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	
GDA2020			

Project	805 MAMRE ROAD KEMPS CREEK
Title	ROADWORKS AND DRAINAGE PLAN

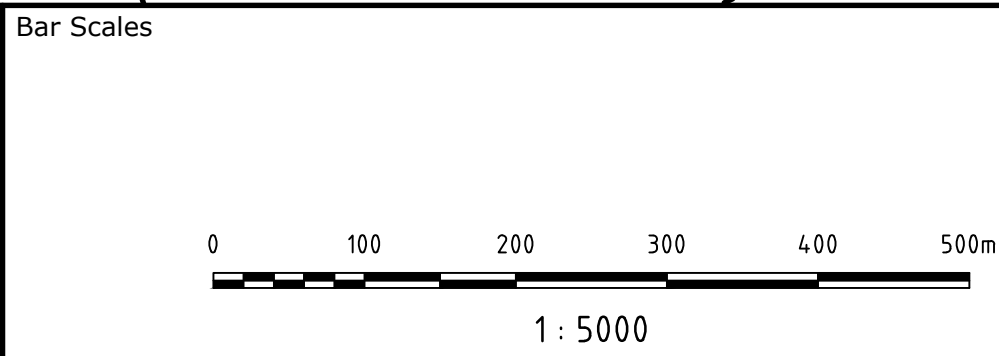
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1041	Issue J

F:\21-894 805 Mamre Rd\6.0 Drgs\Civil\Final\21-894-C1041.dwg





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Client

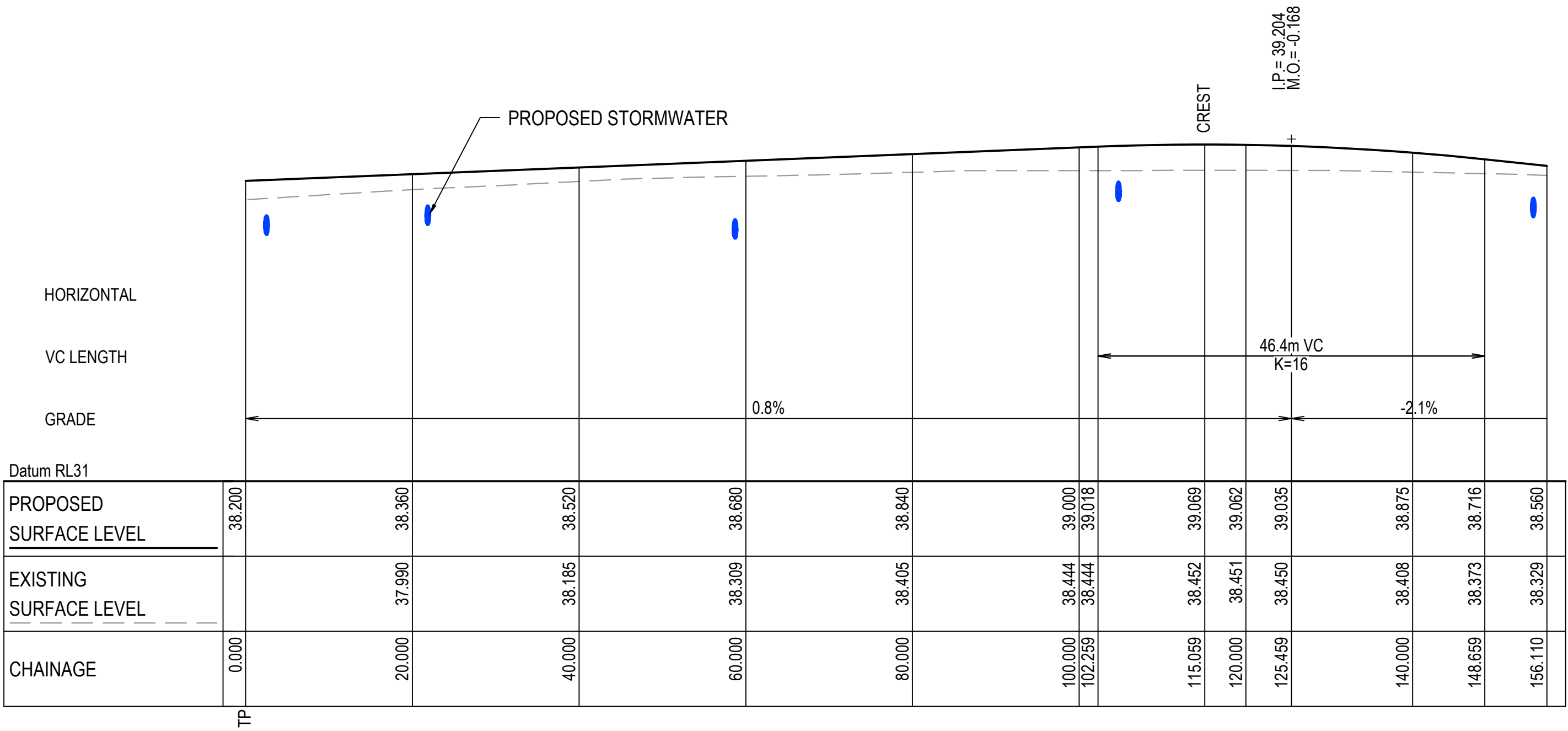
**GibbGroup.**

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Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

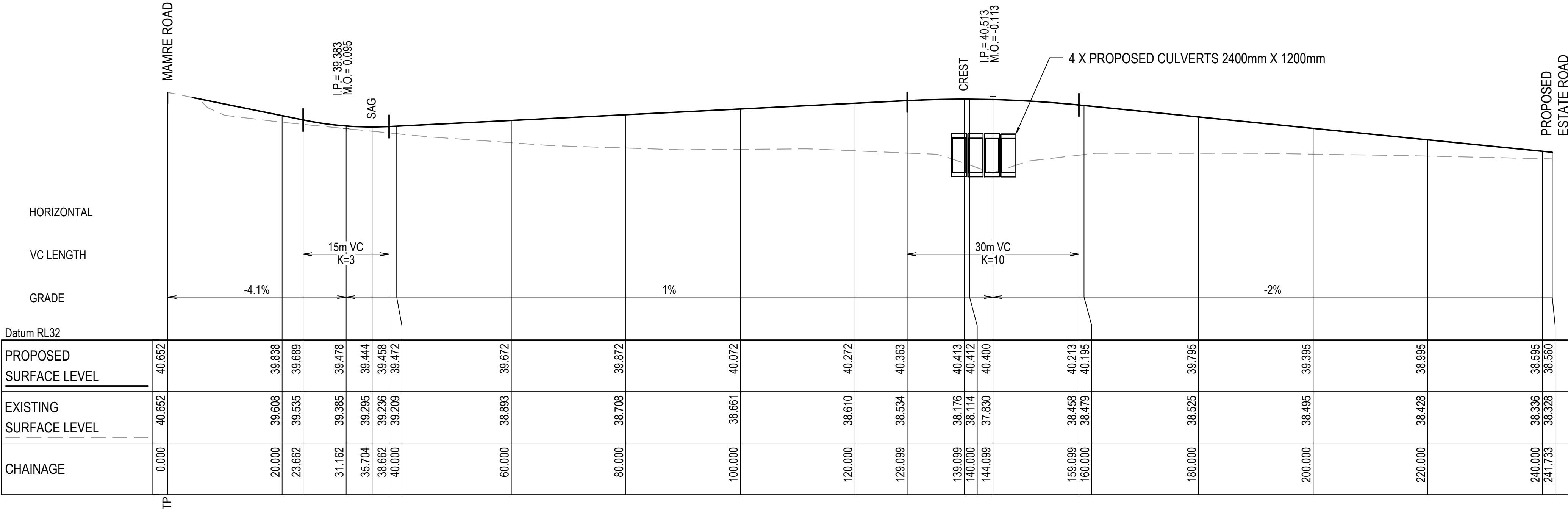
Project	805 MAMRE ROAD KEMPS CREEK
Title	CONTEXTUAL ROAD LAYOUT PLAN

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1042	Issue J







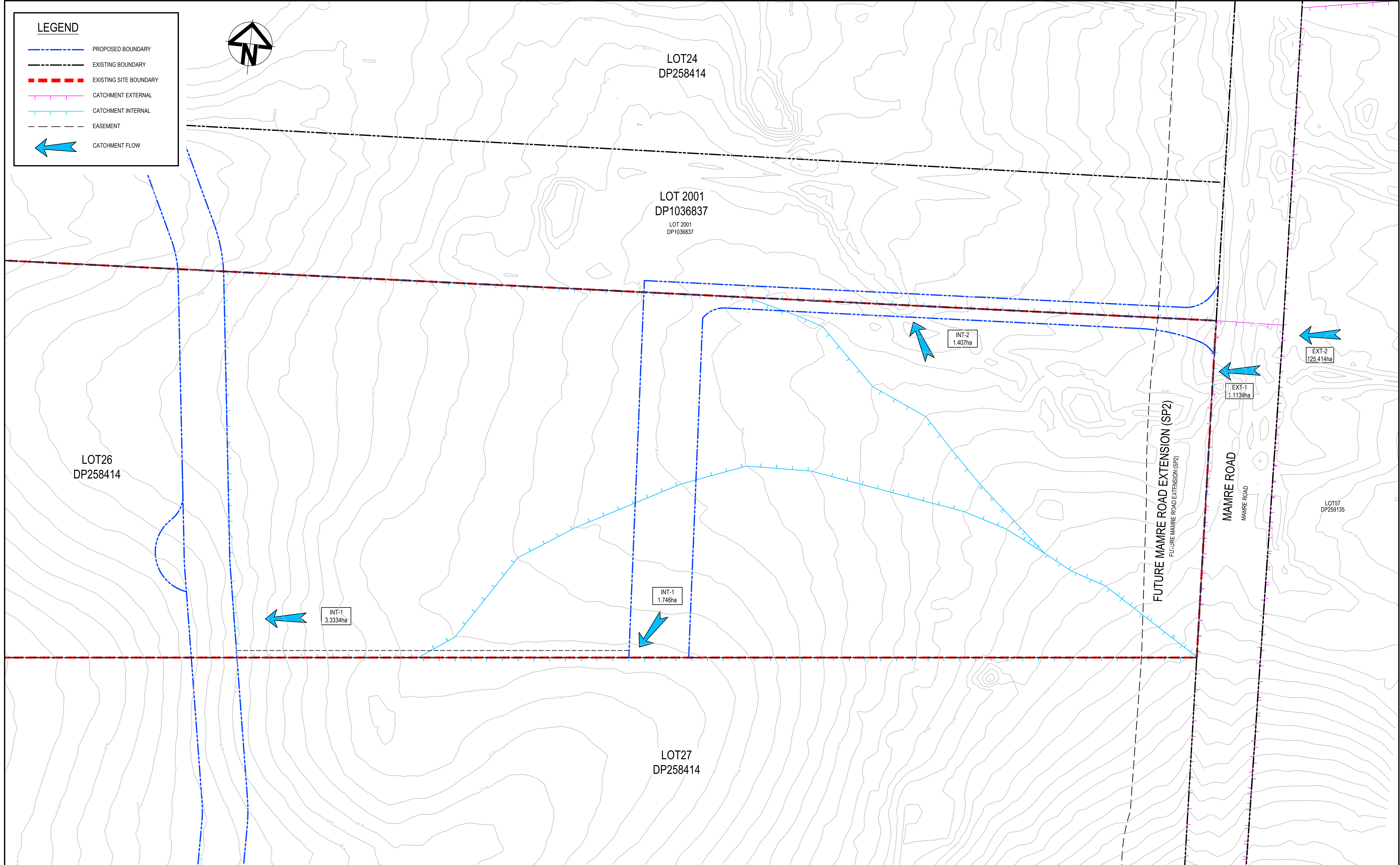
COLLECTOR INDUSTRIAL ROAD (MC01)  
LONGITUDINAL SECTION  
SCALE 1:500 HORI.  
1:100 VERT.



ACCESS ROAD (MC03)  
LONGITUDINAL SECTION  
SCALE 1:500 HORI.  
1:100 VERT.

J	RE-ISSUED FOR DA	30-08-23	<div>Bar Scales</div> <div><div><div>01020304050m</div><div>1 : 500 @ A1    1 : 1000 @ A3</div></div><div><div><div>0246810m</div><div>1 : 100 @ A1    1 : 200 @ A3</div></div></div></div>	<div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</div>	<div>Client</div> <div>GibbGroup.</div>	<div>Scales</div> <div>AS SHOWN</div> <div>GridGDA 2020</div> <div>Height DatumAHD</div> <div></div>	<div>Drawn</div> <div>NT</div> <div>Designed</div> <div>QD &amp; TS</div> <div>Checked</div> <div>MG</div> <div>Approved</div>	<div>Project</div> <div>805 MAMRE ROAD KEMPS CREEK</div>	<div>Civil Engineers and Project Managers</div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</div> <div></div>	<div>Status</div> <div>FOR APPROVAL NOT FOR CONSTRUCTION</div>	<div>A1</div>							
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C	RE-ISSUED FOR DA	09-08-22	<div>Issue</div> <div>Description</div> <div>Date</div>	<div>Project - Drawing No.</div> <div>21-894-C1051</div>	<div>Issue</div> <div>J</div>													
B	RE-ISSUED FOR DA	08-08-22																





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B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
0 15 30 45 60 75m
1 : 750 @ A1 1 : 1500 @ A3

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Client

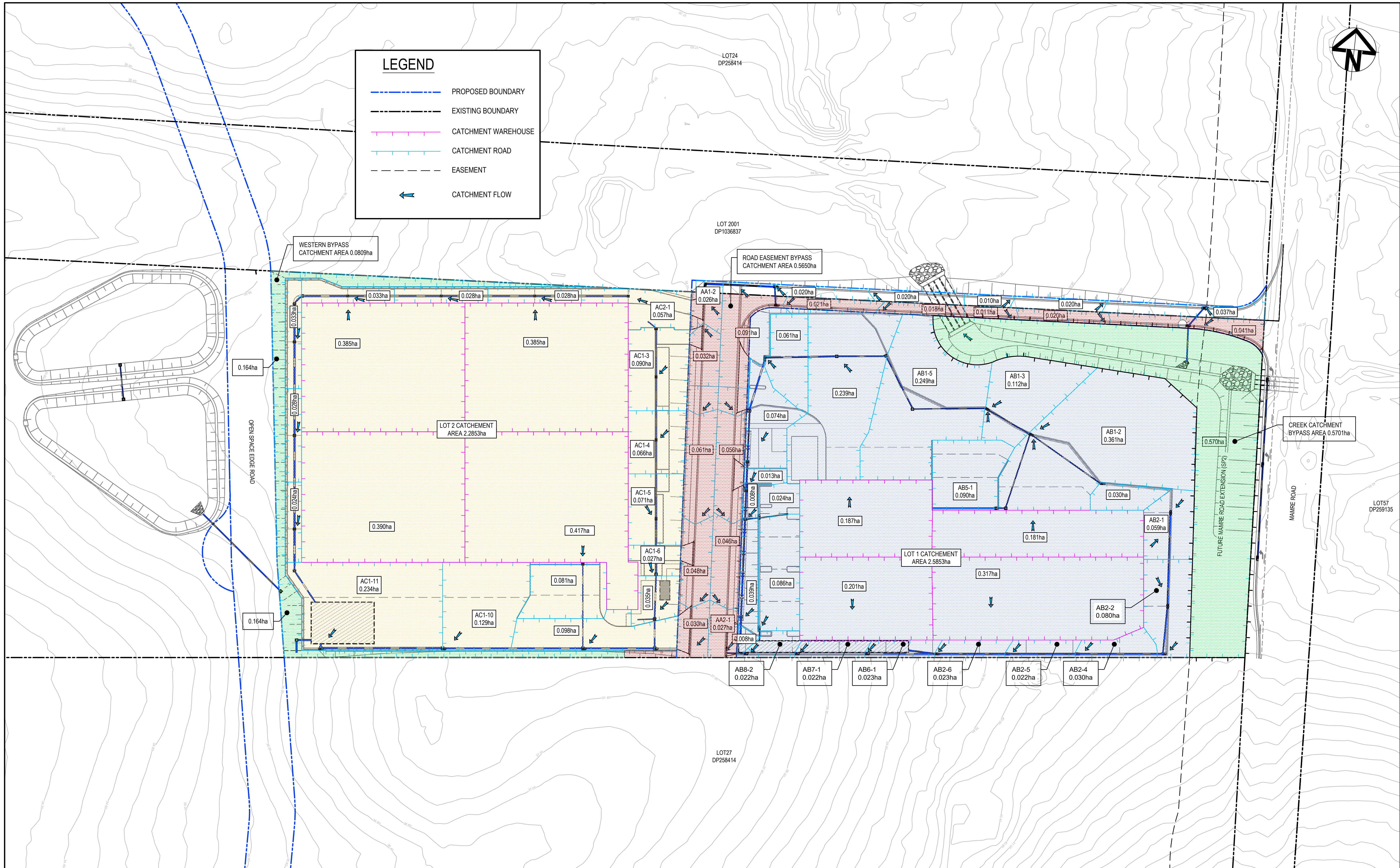
**GibbGroup.**

Scales	1 : 750	Drawn	NT
Grid	GDA 2020	Designed	QD & TS
Height Datum	AHD	Checked	MG
		Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1061	Issue J





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Bar Scales
0 15 30 45 60 75m
1 : 750 @ A1 1 : 1500 @ A3

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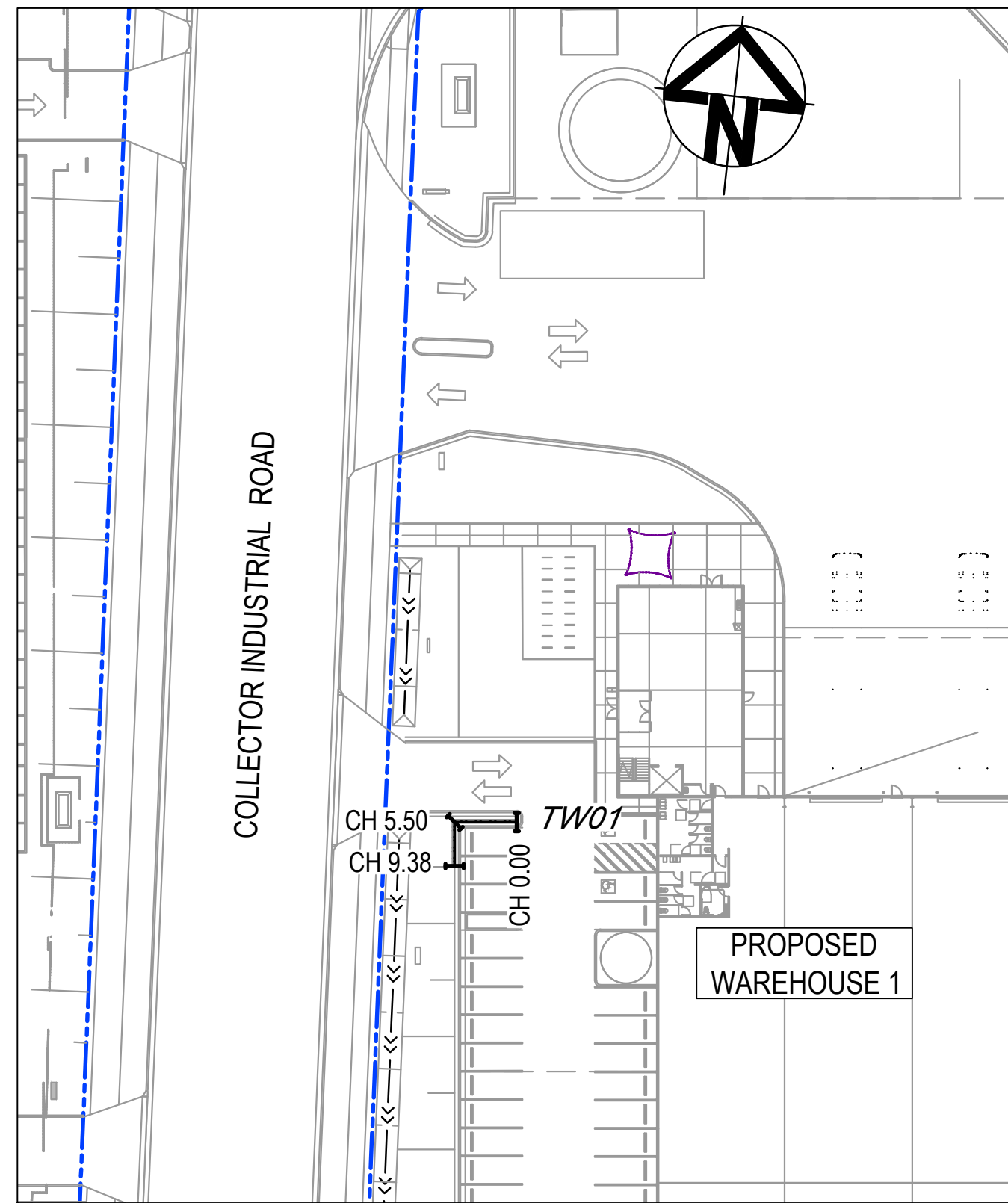
**GibbGroup.**

Scales	1 : 750	Drawn	NT
Grid	GDA 2020	Designed	QD & TS
Height Datum	AHD	Checked	MG
		Approved	

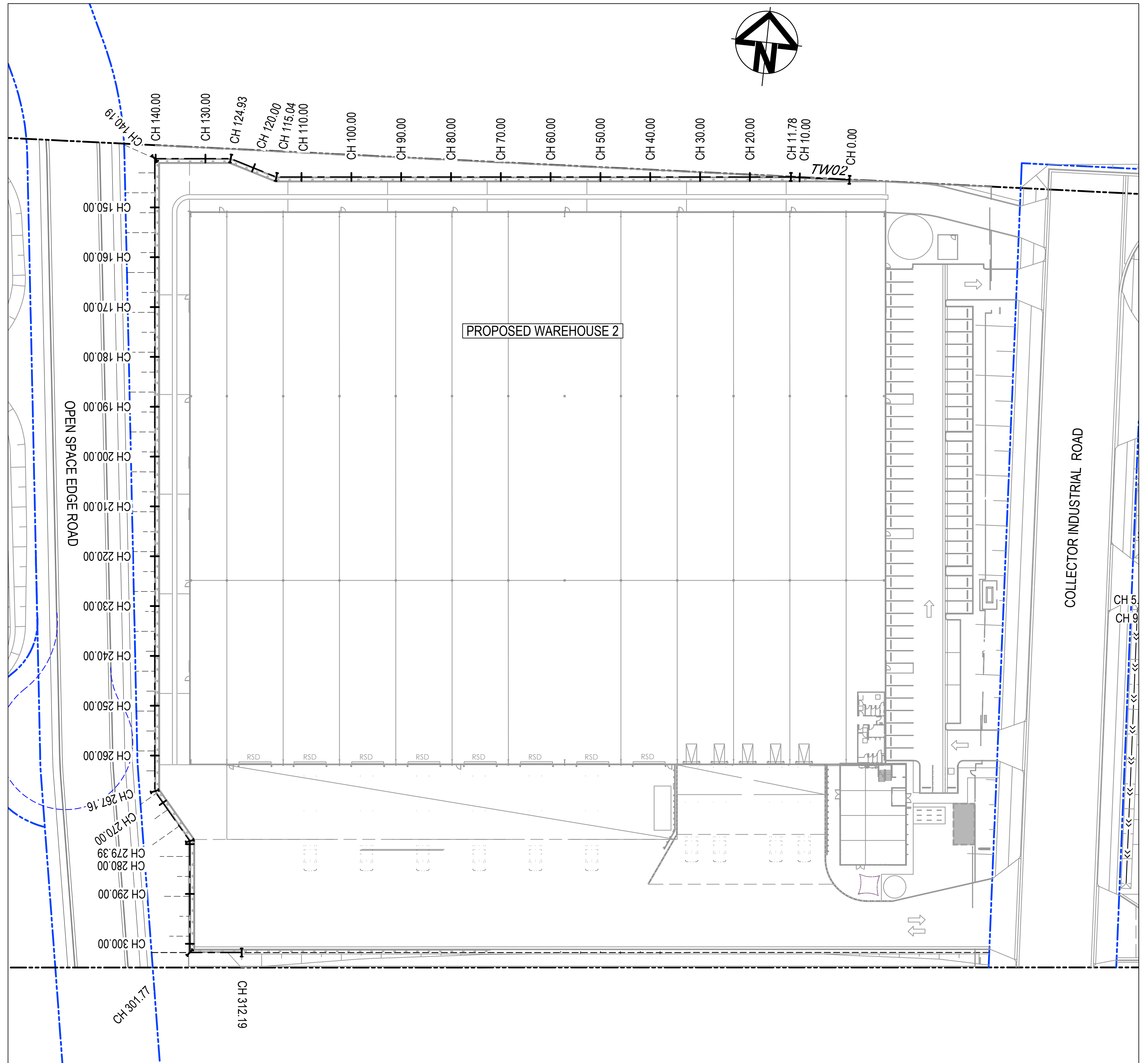
Project	805 MAMRE ROAD KEMPS CREEK
Title	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1062	Issue J



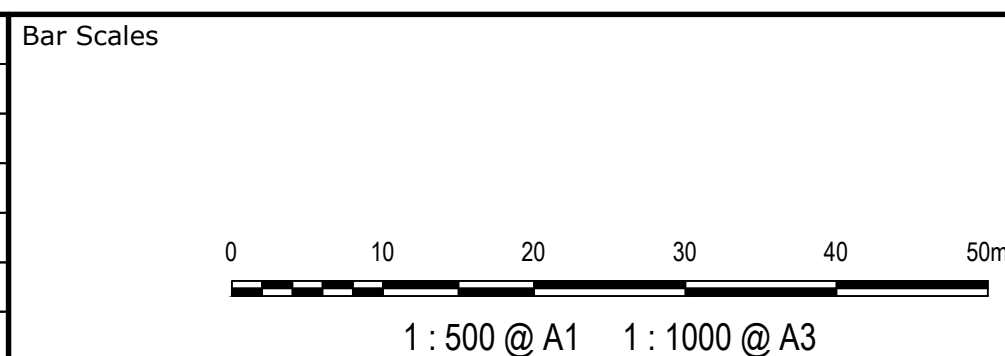


PROPOSED RETAINING WALL PLAN - TW01  
1 : 500



PROPOSED RETAINING WALL PLAN - TW02  
1 : 500

J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
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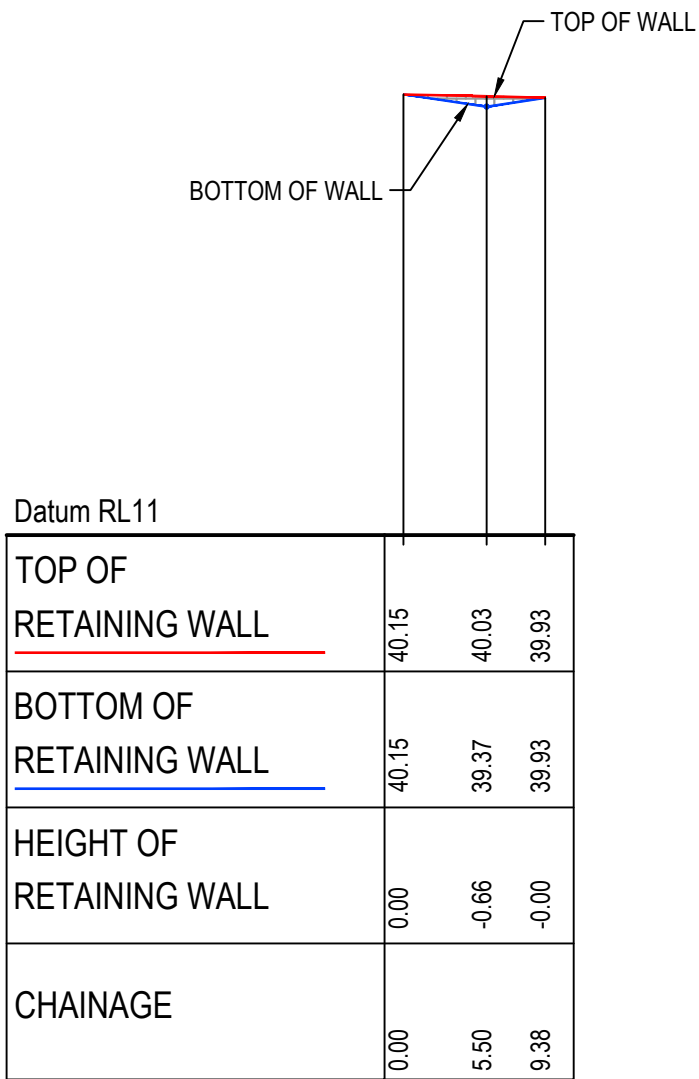
**GibbGroup.**

Scales	1 : 500	Drawn	NT
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Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	RETAINING WALLS PLAN

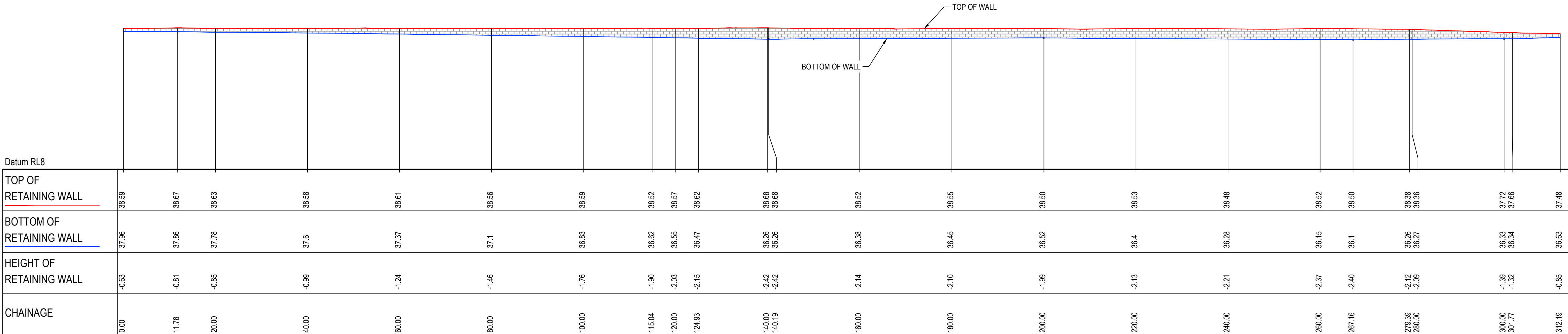
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1081	Issue J





RETAINING WALL TW01 PROFILE

SCALE 1:500 HORI.  
1:500 VERT.

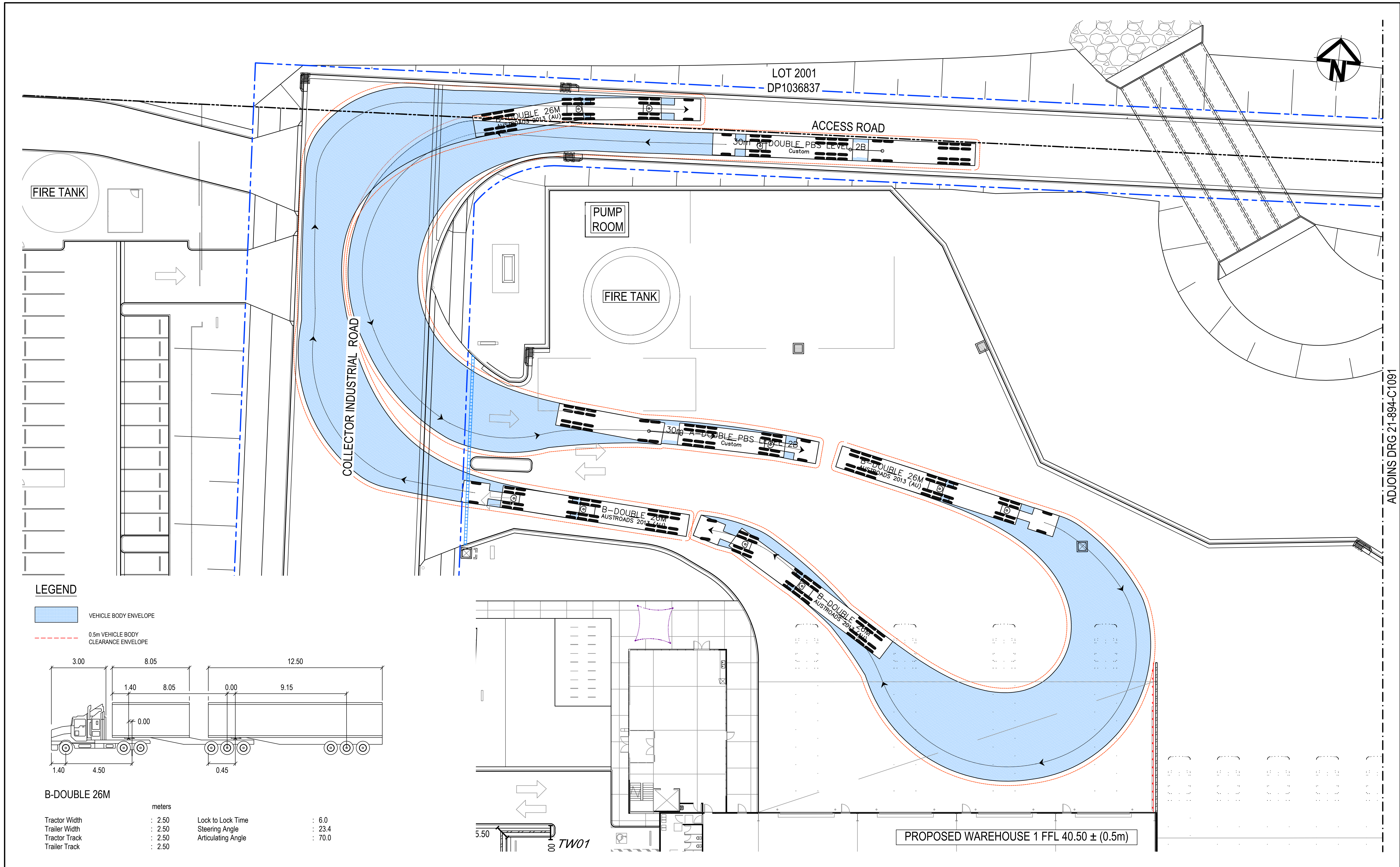


RETAINING WALL TW02 PROFILE

SCALE 1:500 HORI.  
1:500 VERT.

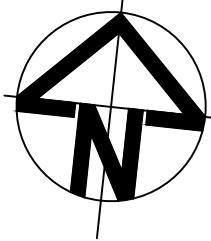
<table><tr><td>J</td><td>RE-ISSUED FOR DA</td><td>30-08-23</td></tr><tr><td>I</td><td>RE-ISSUED FOR DA</td><td>21-04-23</td></tr><tr><td>H</td><td>RE-ISSUED FOR DA</td><td>02-03-23</td></tr><tr><td>G</td><td>RE-ISSUED FOR DA</td><td>02-02-23</td></tr><tr><td>F</td><td>RE-ISSUED FOR DA</td><td>22-12-22</td></tr><tr><td>E</td><td>RE-ISSUED FOR DA</td><td>10-11-22</td></tr><tr><td>D</td><td>RE-ISSUED FOR DA</td><td>04-11-22</td></tr><tr><td>C</td><td>RE-ISSUED FOR DA</td><td>09-08-22</td></tr><tr><td>B</td><td>RE-ISSUED FOR DA</td><td>08-08-22</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>	J	RE-ISSUED FOR DA	30-08-23	I	RE-ISSUED FOR DA	21-04-23	H	RE-ISSUED FOR DA	02-03-23	G	RE-ISSUED FOR DA	02-02-23	F	RE-ISSUED FOR DA	22-12-22	E	RE-ISSUED FOR DA	10-11-22	D	RE-ISSUED FOR DA	04-11-22	C	RE-ISSUED FOR DA	09-08-22	B	RE-ISSUED FOR DA	08-08-22	Issue	Description	Date	<table><tr><td>Bar Scales</td><td><div><div></div><div>01020304050m</div><div>1 : 500 @ A1    1 : 1000 @ A3</div></div></td><td><p>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</p></td><td><p>Client</p><div>GibbGroup.</div></td><td><table><tr><td>Scales</td><td>1 : 500</td><td>Drawn</td><td>NT</td></tr><tr><td></td><td></td><td>Designed</td><td>OD &amp; TS</td></tr><tr><td>Grid</td><td>GDA 2020</td><td>Checked</td><td>MG</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td></td></tr></table><div>GDA2020</div></td><td><table><tr><td>Project</td><td>805 MAMRE ROAD KEMPS CREEK</td></tr><tr><td>Title</td><td>RETAINING WALLS PROFILES</td></tr></table></td><td><table><tr><td colspan="2">Civil Engineers and Project Managers</td></tr><tr><td colspan="2">Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</td></tr><tr><td>Status</td><td>FOR APPROVAL NOT FOR CONSTRUCTION</td><td>A1</td></tr><tr><td colspan="2">Project - Drawing No. 21-894-C1082</td><td>Issue J</td></tr></table></td></tr><tr><td colspan="7"><div><div></div><div>100mm on Original</div></div></td></tr></table>	Bar Scales	<div><div></div><div>01020304050m</div><div>1 : 500 @ A1    1 : 1000 @ A3</div></div>	<p>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</p>	<p>Client</p> <div>GibbGroup.</div>	<table><tr><td>Scales</td><td>1 : 500</td><td>Drawn</td><td>NT</td></tr><tr><td></td><td></td><td>Designed</td><td>OD &amp; TS</td></tr><tr><td>Grid</td><td>GDA 2020</td><td>Checked</td><td>MG</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td></td></tr></table> <div>GDA2020</div>	Scales	1 : 500	Drawn	NT			Designed	OD & TS	Grid	GDA 2020	Checked	MG	Height Datum	AHD	Approved		<table><tr><td>Project</td><td>805 MAMRE ROAD KEMPS CREEK</td></tr><tr><td>Title</td><td>RETAINING WALLS PROFILES</td></tr></table>	Project	805 MAMRE ROAD KEMPS CREEK	Title	RETAINING WALLS PROFILES	<table><tr><td colspan="2">Civil Engineers and Project Managers</td></tr><tr><td colspan="2">Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</td></tr><tr><td>Status</td><td>FOR APPROVAL NOT FOR CONSTRUCTION</td><td>A1</td></tr><tr><td colspan="2">Project - Drawing No. 21-894-C1082</td><td>Issue J</td></tr></table>	Civil Engineers and Project Managers		Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1	Project - Drawing No. 21-894-C1082		Issue J	<div><div></div><div>100mm on Original</div></div>						
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Bar Scales	<div><div></div><div>01020304050m</div><div>1 : 500 @ A1    1 : 1000 @ A3</div></div>	<p>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</p>	<p>Client</p> <div>GibbGroup.</div>	<table><tr><td>Scales</td><td>1 : 500</td><td>Drawn</td><td>NT</td></tr><tr><td></td><td></td><td>Designed</td><td>OD &amp; TS</td></tr><tr><td>Grid</td><td>GDA 2020</td><td>Checked</td><td>MG</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td></td></tr></table> <div>GDA2020</div>	Scales	1 : 500	Drawn	NT			Designed	OD & TS	Grid	GDA 2020	Checked	MG	Height Datum	AHD	Approved		<table><tr><td>Project</td><td>805 MAMRE ROAD KEMPS CREEK</td></tr><tr><td>Title</td><td>RETAINING WALLS PROFILES</td></tr></table>	Project	805 MAMRE ROAD KEMPS CREEK	Title	RETAINING WALLS PROFILES	<table><tr><td colspan="2">Civil Engineers and Project Managers</td></tr><tr><td colspan="2">Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405</td></tr><tr><td>Status</td><td>FOR APPROVAL NOT FOR CONSTRUCTION</td><td>A1</td></tr><tr><td colspan="2">Project - Drawing No. 21-894-C1082</td><td>Issue J</td></tr></table>	Civil Engineers and Project Managers		Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1	Project - Drawing No. 21-894-C1082		Issue J																																							
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		Designed	OD & TS																																																																								
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Project - Drawing No. 21-894-C1082		Issue J																																																																									
<div><div></div><div>100mm on Original</div></div>																																																																											





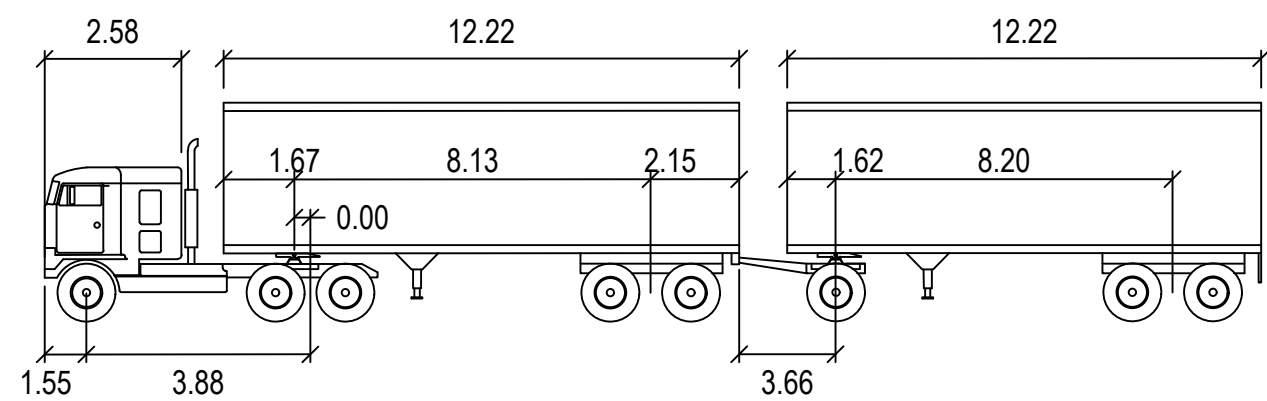
J	RE-ISSUED FOR DA	30-08-23	<div>Bar Scales</div> <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE

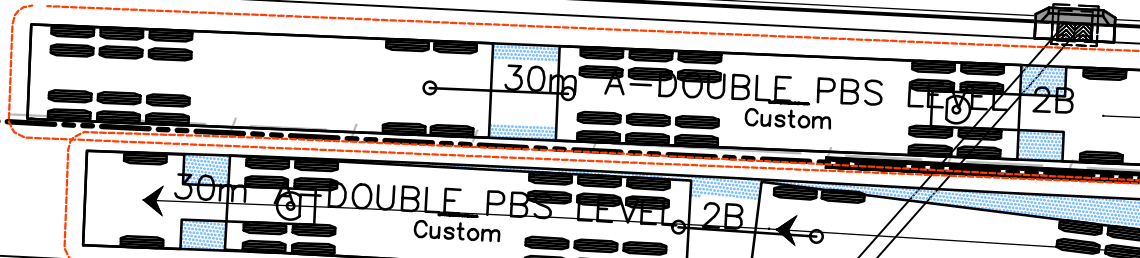


30m A-DOUBLE PBS LEVEL 2B

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	Trailer Width	: 2.50	Steering Angle	: 23.4
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		

LOT 2001  
DP1036837

ACCESS ROAD



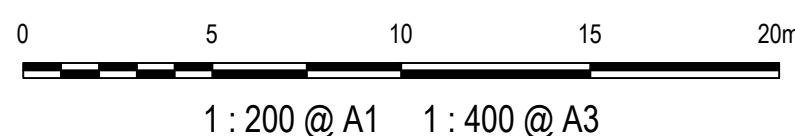
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MAMRE ROAD

ADJOINS DRG 21-894-C1090

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I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales



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OTHER PURPOSE OTHER THAN  
THAT ORIGINALLY INTENDED  
WITHOUT THE WRITTEN  
PERMISSION OF AT&L

Client

GibbGroup.

Scales  
1 : 200

Grid  
GDA 2020

Height  
Datum  
AHD



Drawn	NT
Designed	QD & TS
Checked	MG
Approved	

Project  
805 MAMRE ROAD  
KEMPS CREEK

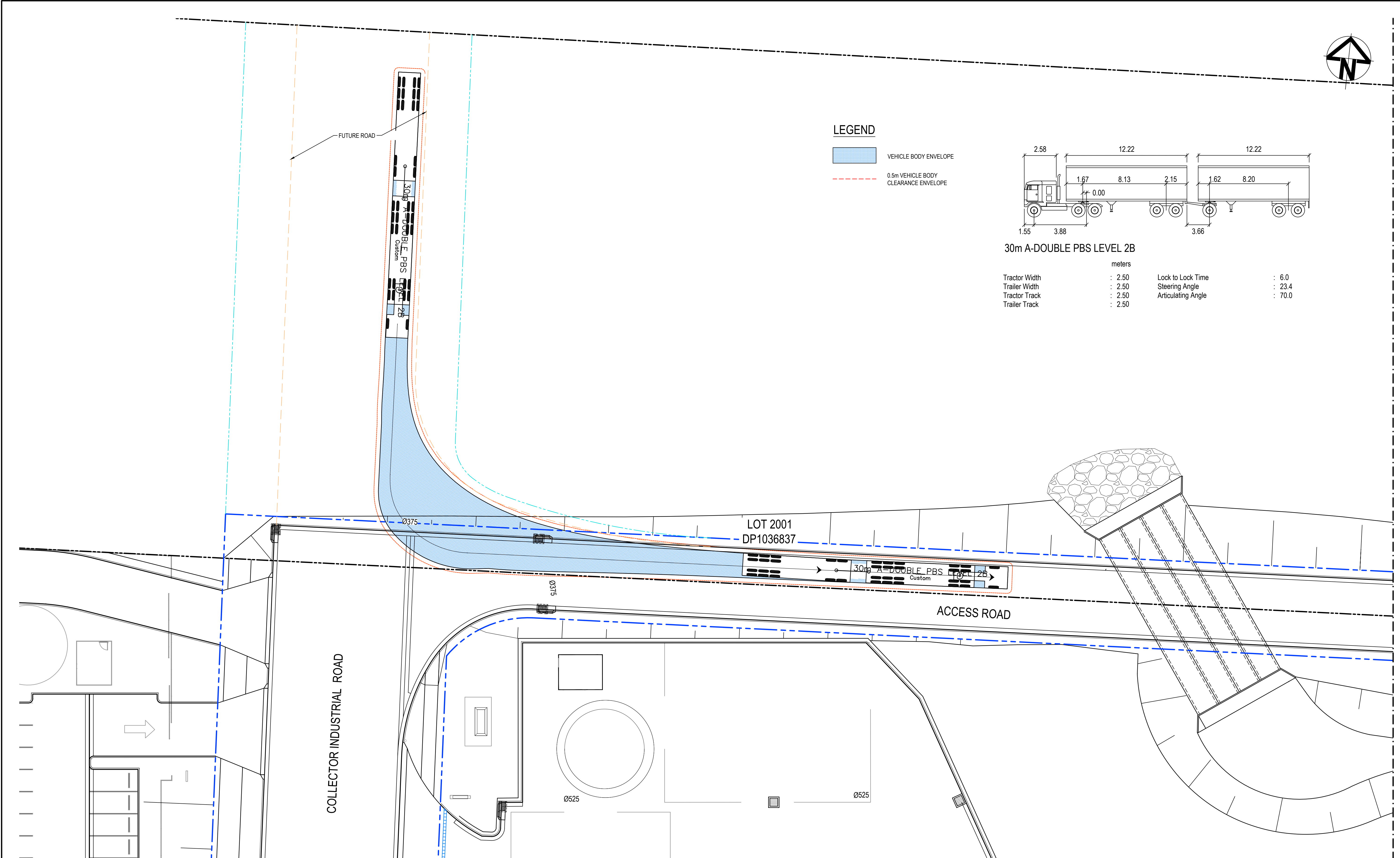
Title  
TURN PATHS  
PLAN  
SHEET 2

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

at&l

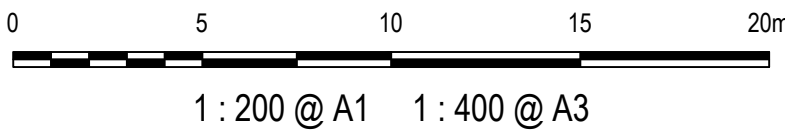
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Project - Drawing No. 21-894-C1091	Issue J





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H	RE-ISSUED FOR DA	02-03-23
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F	RE-ISSUED FOR DA	22-12-22
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales



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PERMISSION OF AT&L

Client

Scales

1 : 200

Grid

GDA 2020

Height Datum

AHD

Drawn

NT

Designed

QD & TS

Checked

MG

Approved

Project

805 MAMRE ROAD  
KEMPS CREEK

Title

TURN PATHS  
PLAN  
SHEET 3

Civil Engineers and Project Managers

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

Status

FOR APPROVAL  
NOT FOR CONSTRUCTION

Project - Drawing No.

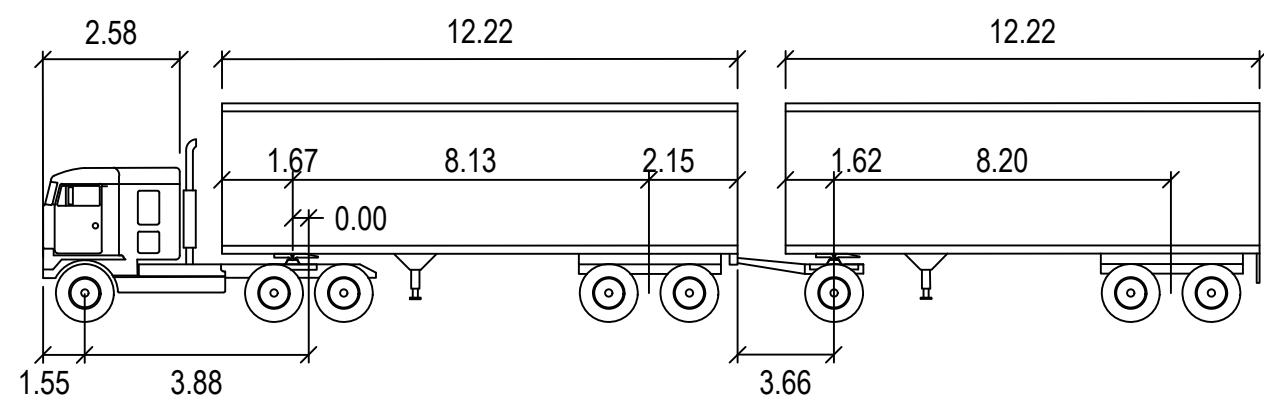
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Issue

J

A1



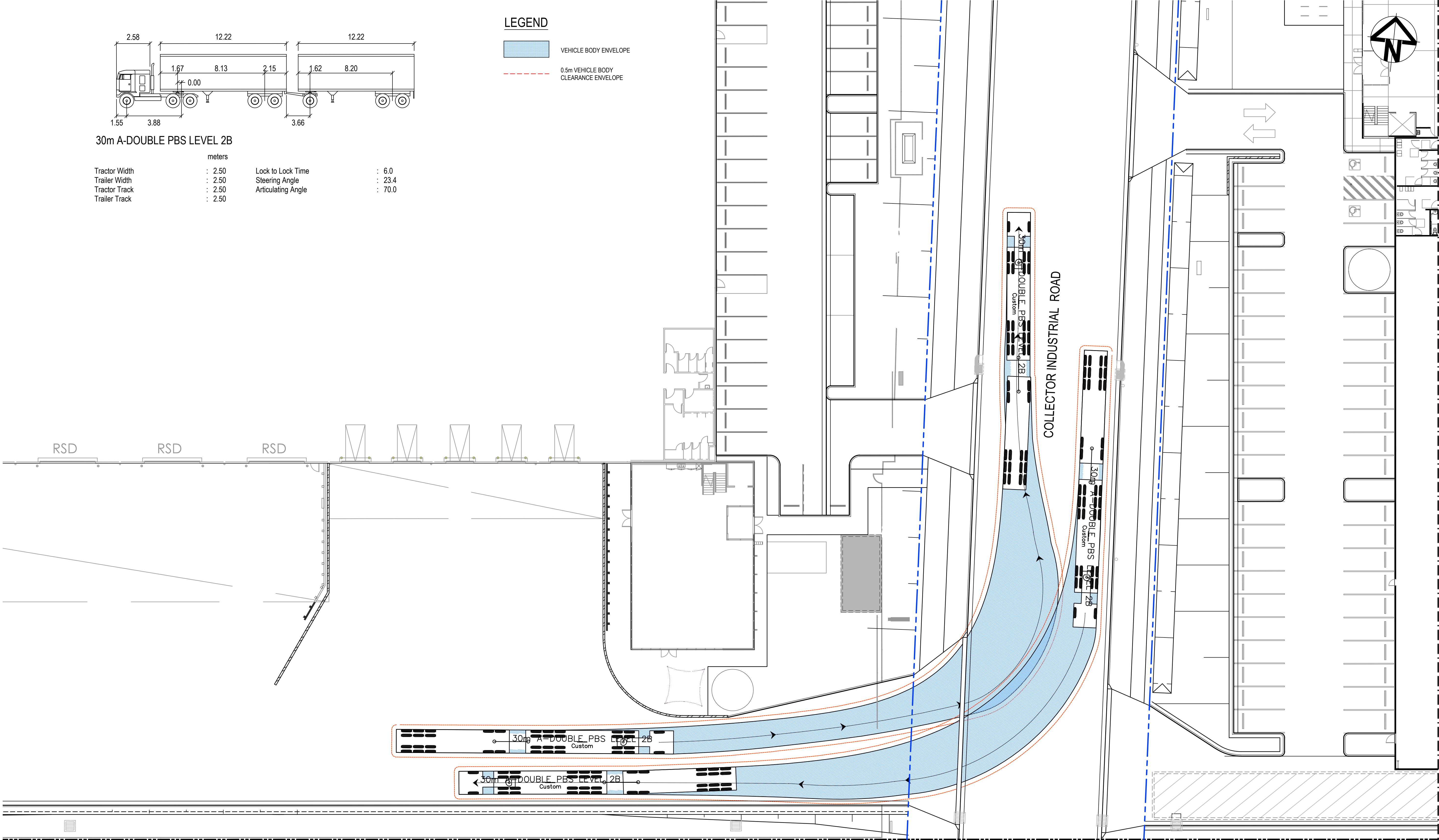


30m A-DOUBLE PBS LEVEL 2B

	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		

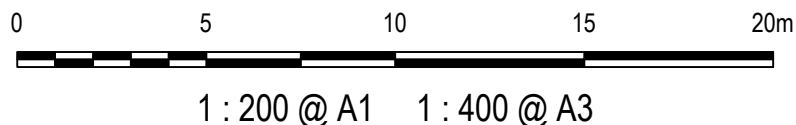
LEGEND

- VEHICLE BODY ENVELOPE
- 0.5m VEHICLE BODY CLEARANCE ENVELOPE



J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales



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GibbGroup.

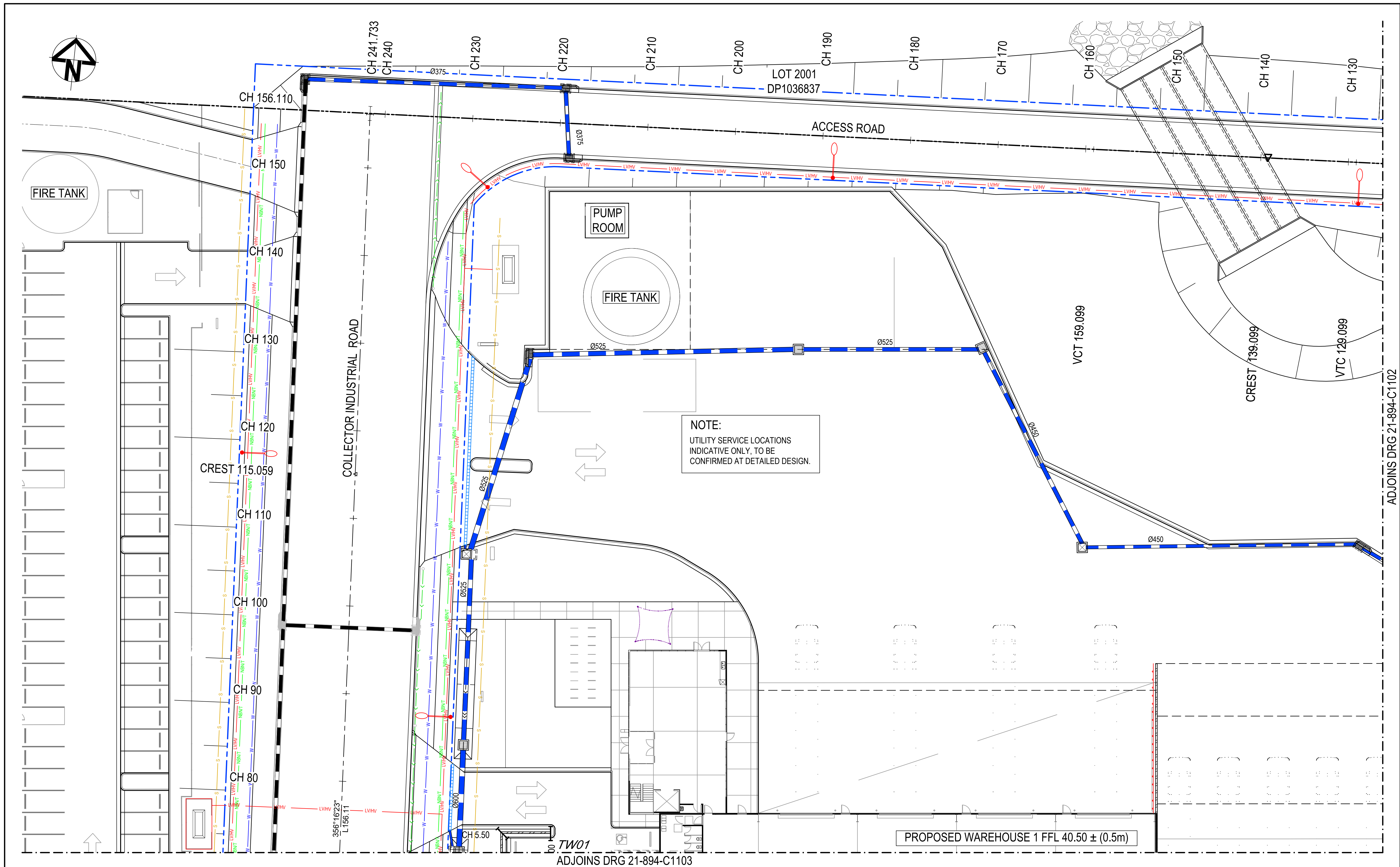
Scales	1 : 200	Drawn	NT
Grid	GDA 2020	Designed	QD & TS
Height Datum	AHD	Checked	MG
		Approved	



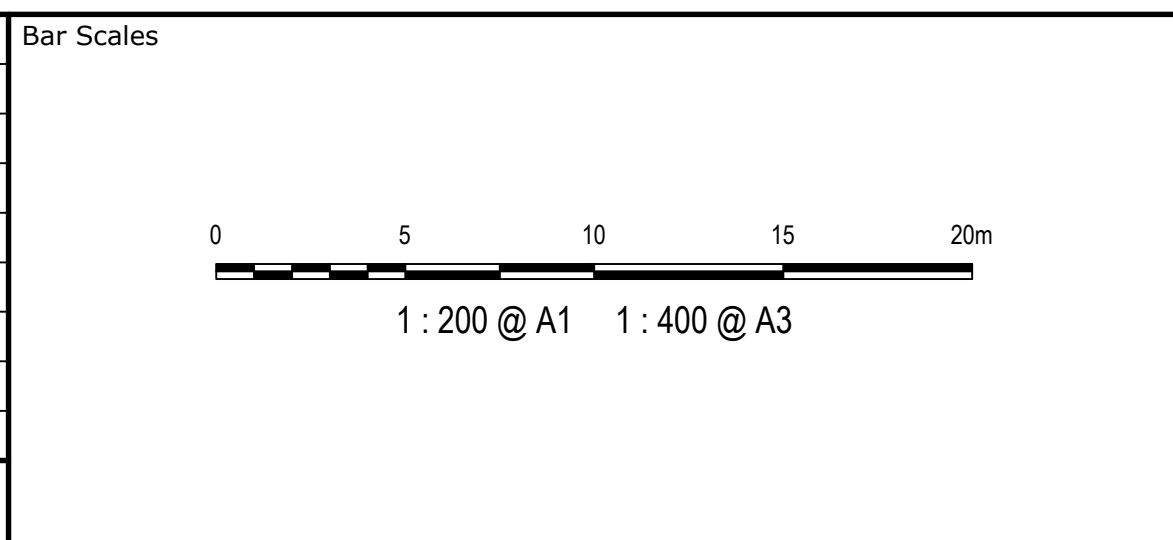
Project	805 MAMRE ROAD KEMPS CREEK
Title	TURN PATHS PLAN SHEET 4

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1093	Issue J





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I	RE-ISSUED FOR DA	21-04-23
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D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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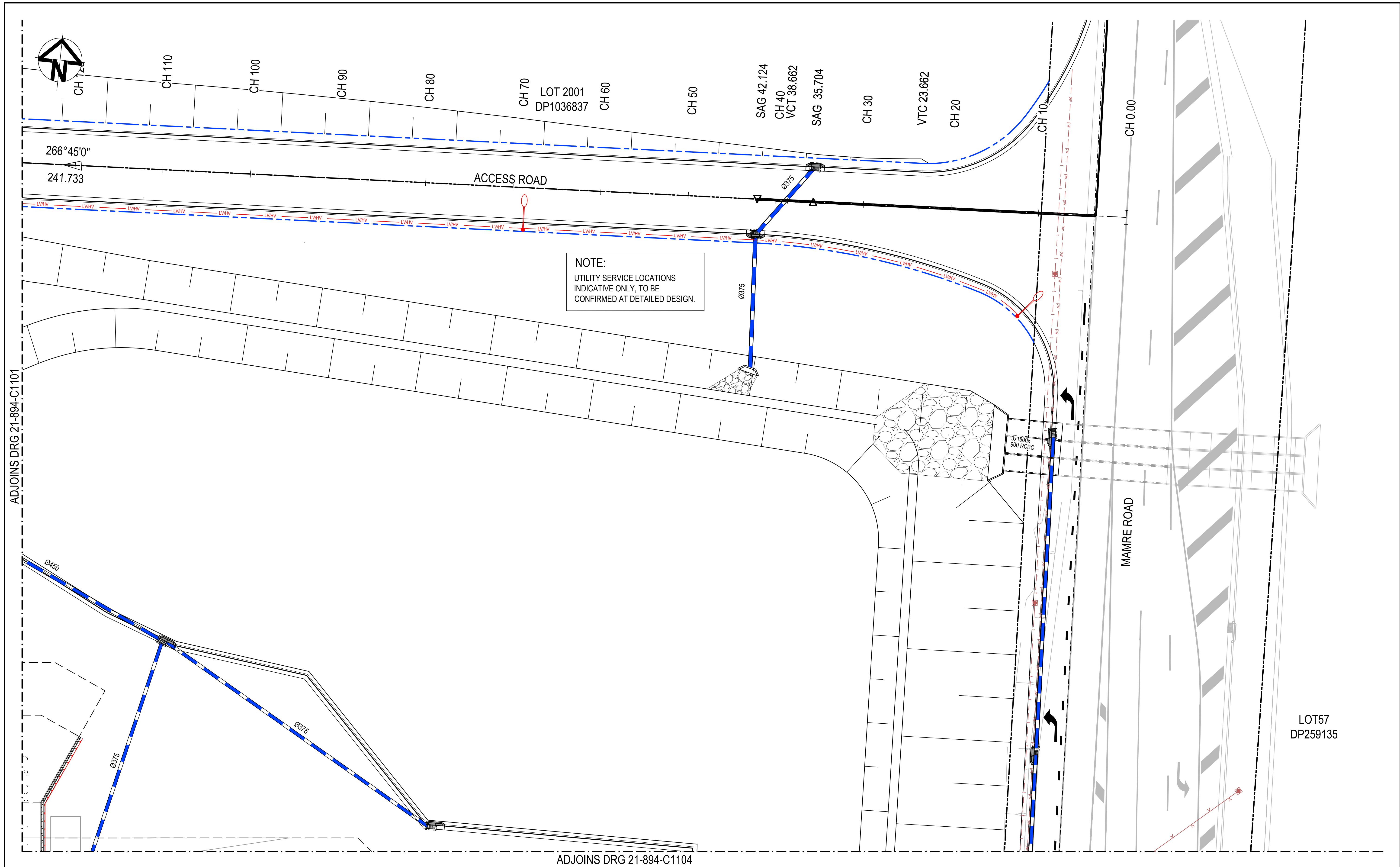
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Height Datum	AHD	Checked	MG
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GDA2020

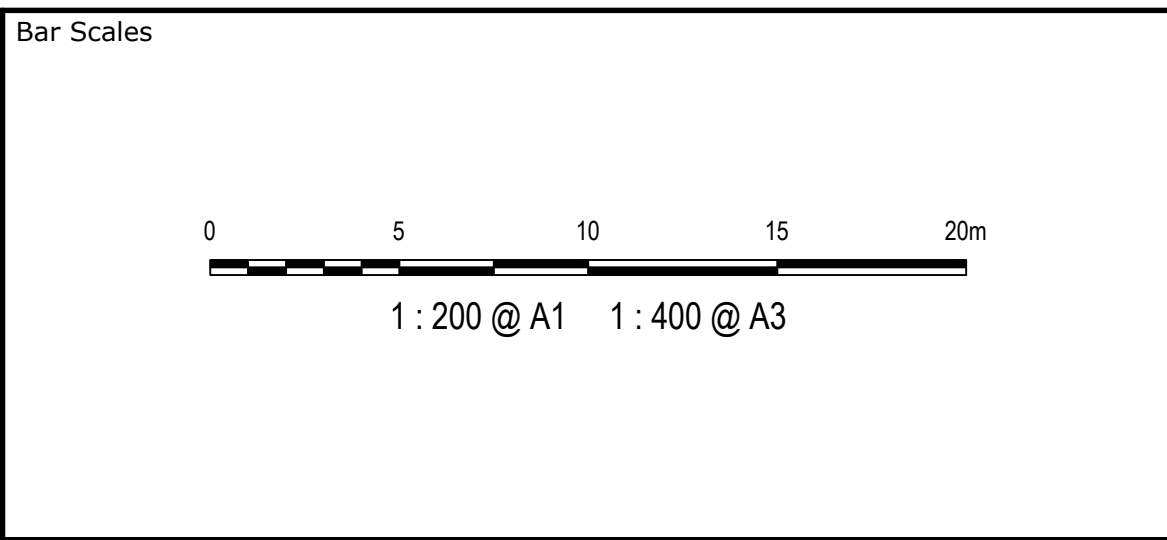
Project	805 MAMRE ROAD KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 1

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1101	Issue
		J





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Issue	Description	Date



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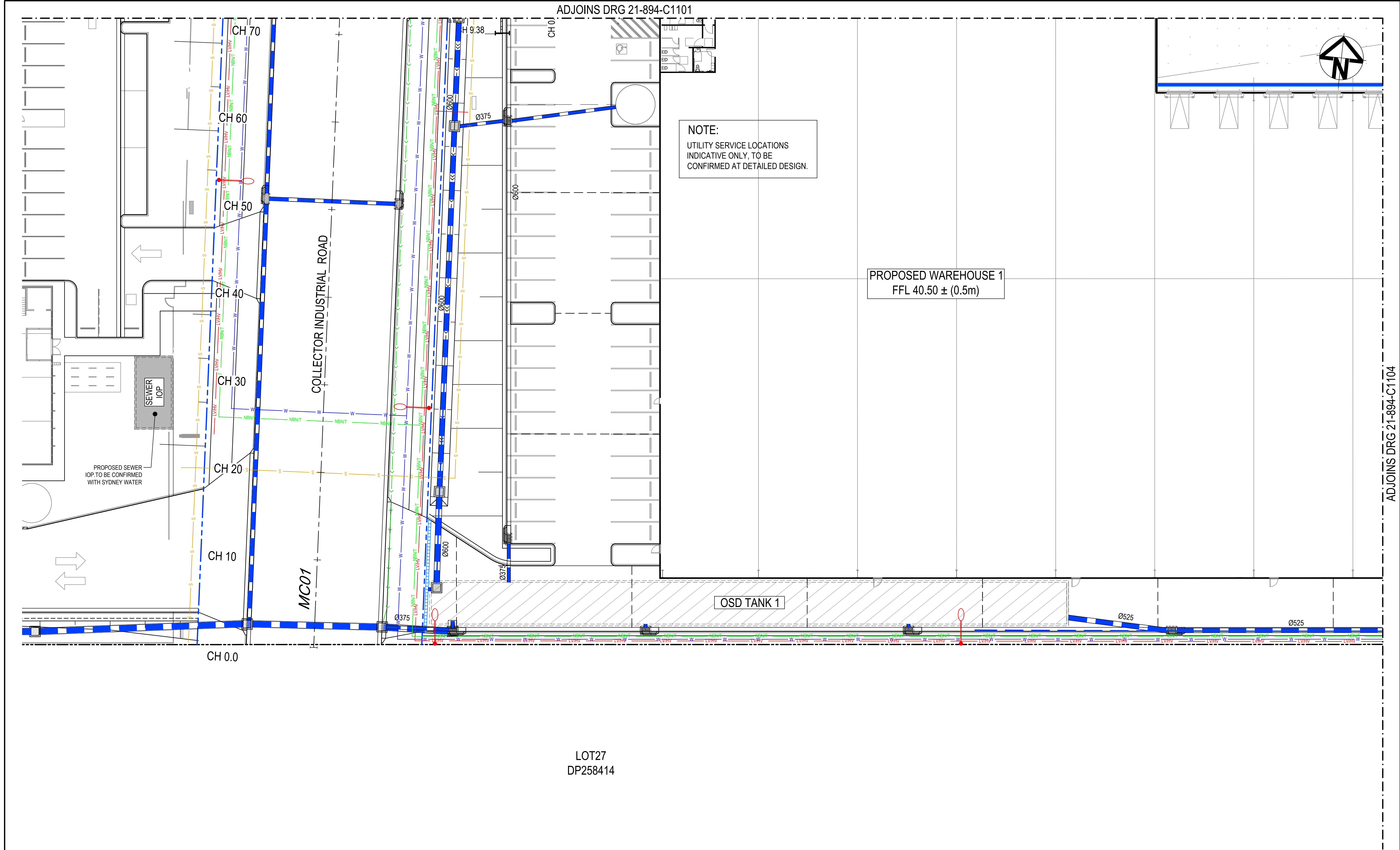


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Grid	GDA 2020	Designed	QD & TS
Height Datum	AHD	Checked	MG
		Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 2

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1102	Issue J





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C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
1 : 200 @ A1    1 : 400 @ A3

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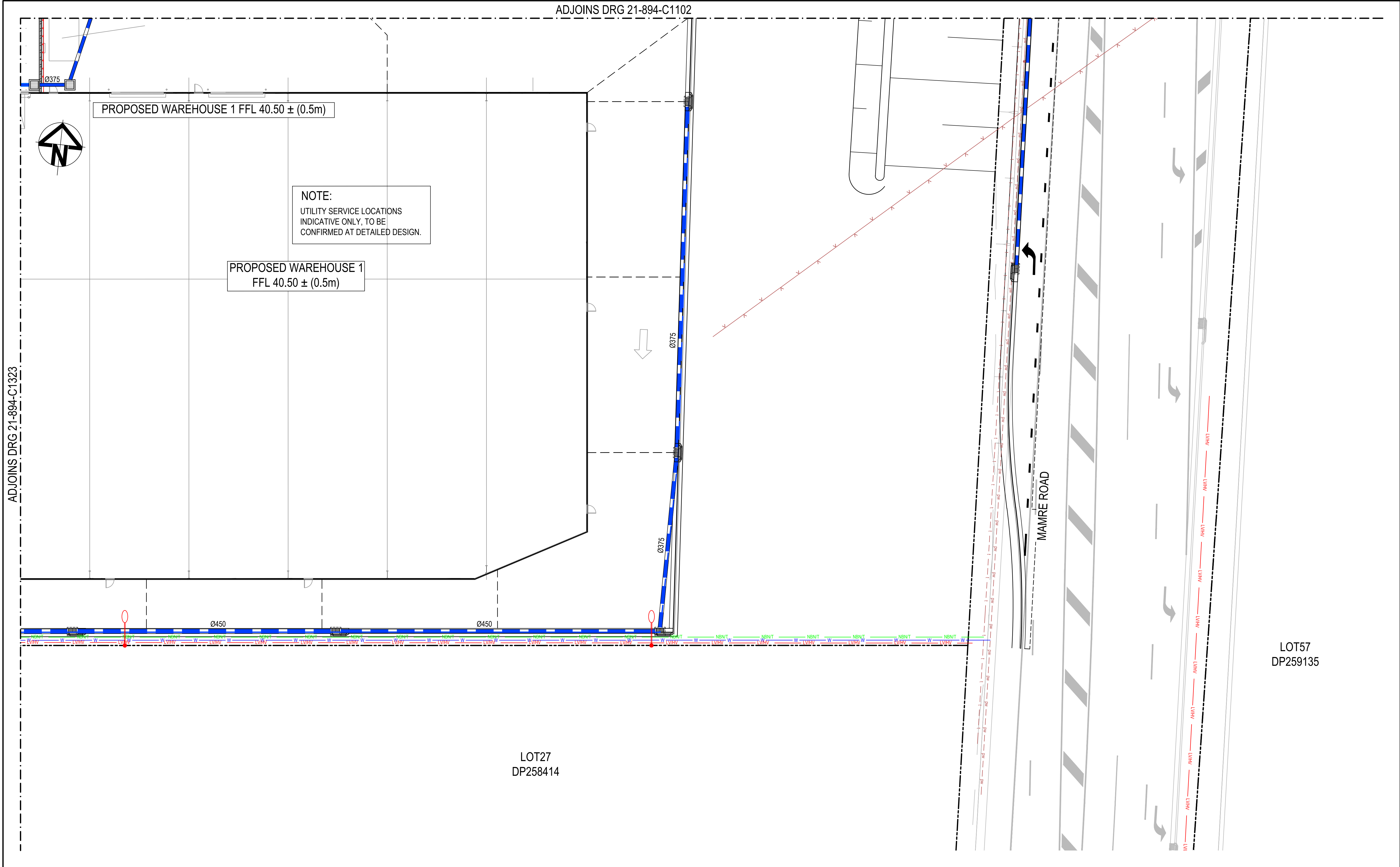
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Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 3

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1103	Issue J





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B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
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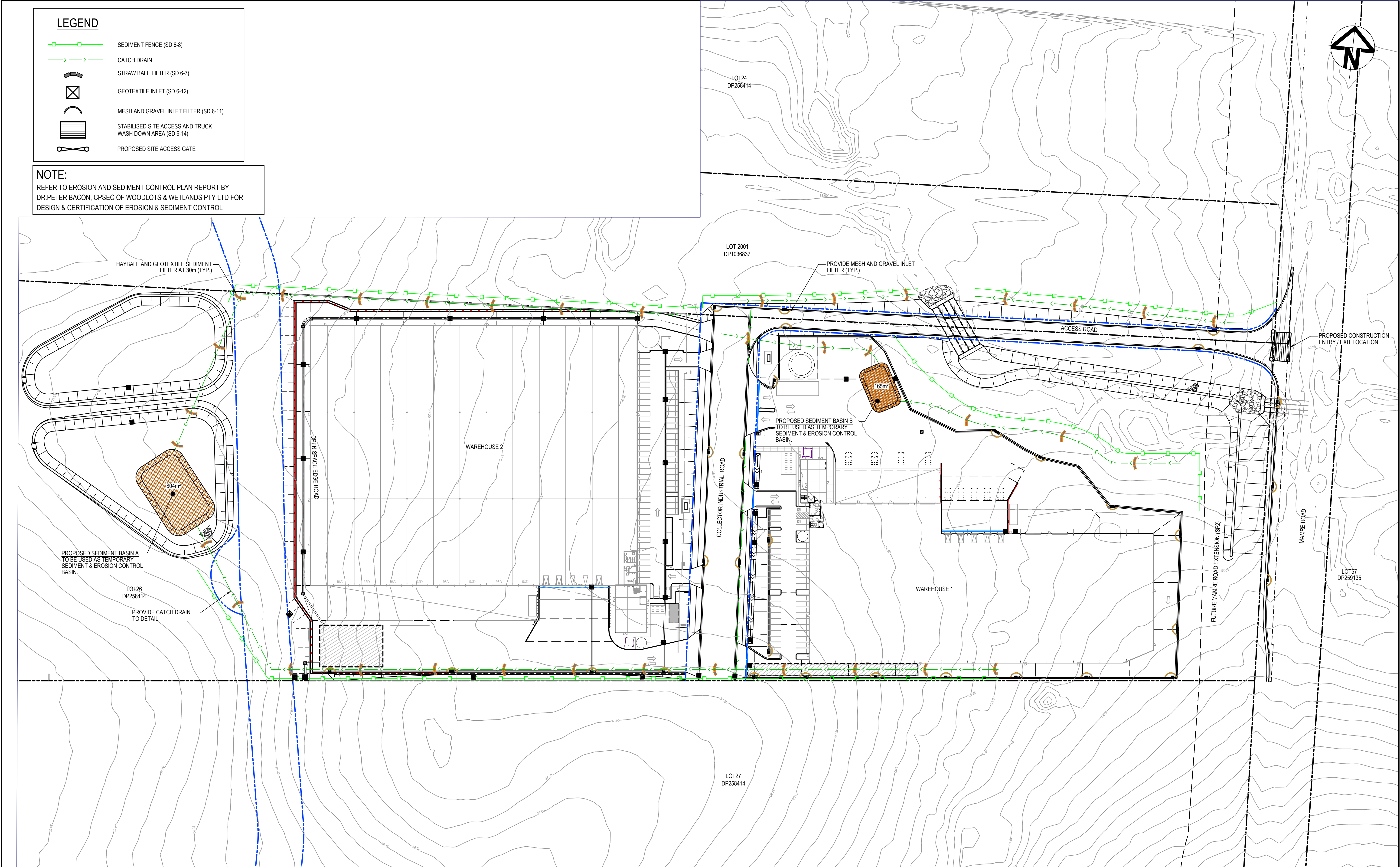
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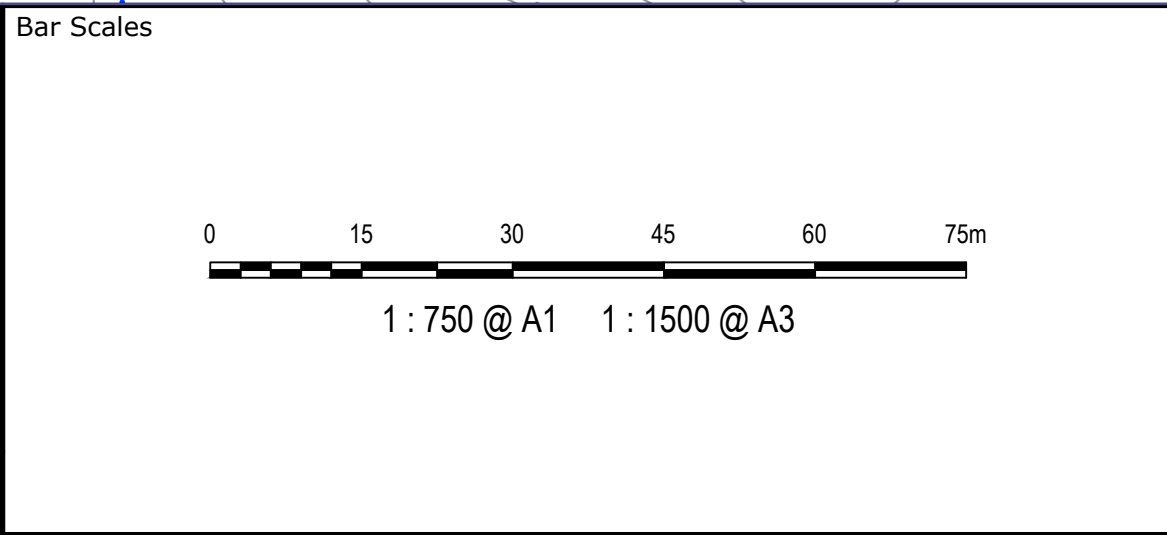
Project	805 MAMRE ROAD KEMPS CREEK
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 4

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1104	Issue J





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Issue	Description	Date



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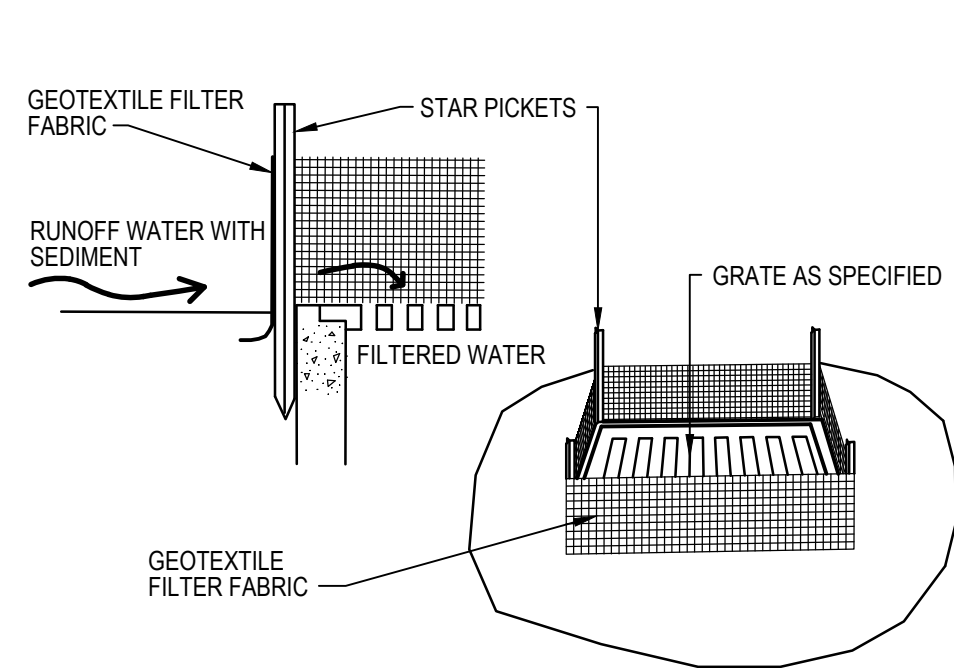


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Project	805 MAMRE ROAD KEMPS CREEK
Title	SEDIMENT AND EROSION CONTROL PLAN

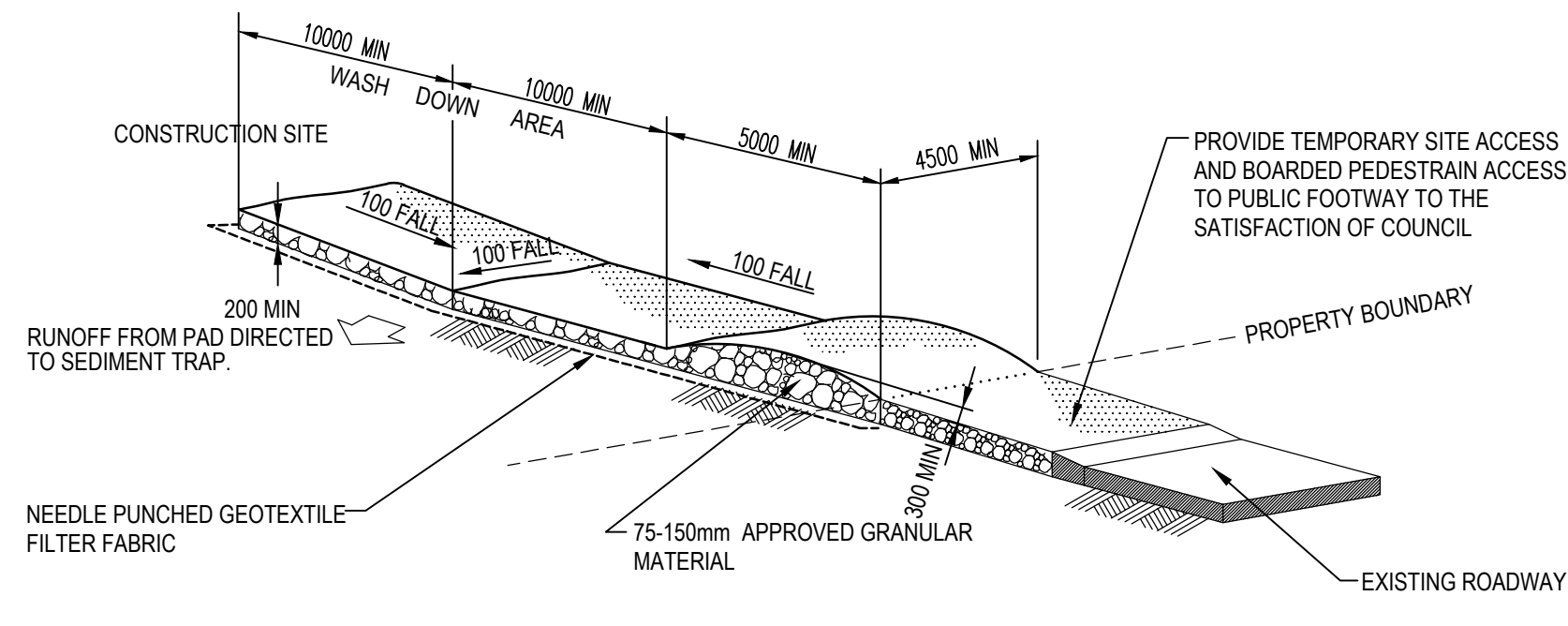
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Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1200	Issue J





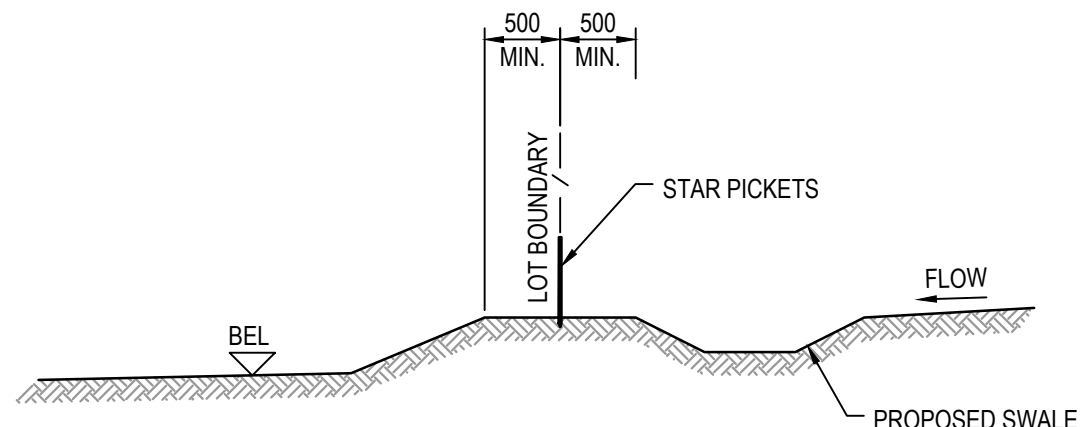
GEOTEXTILE FILTER PIT SURROUND

NTS



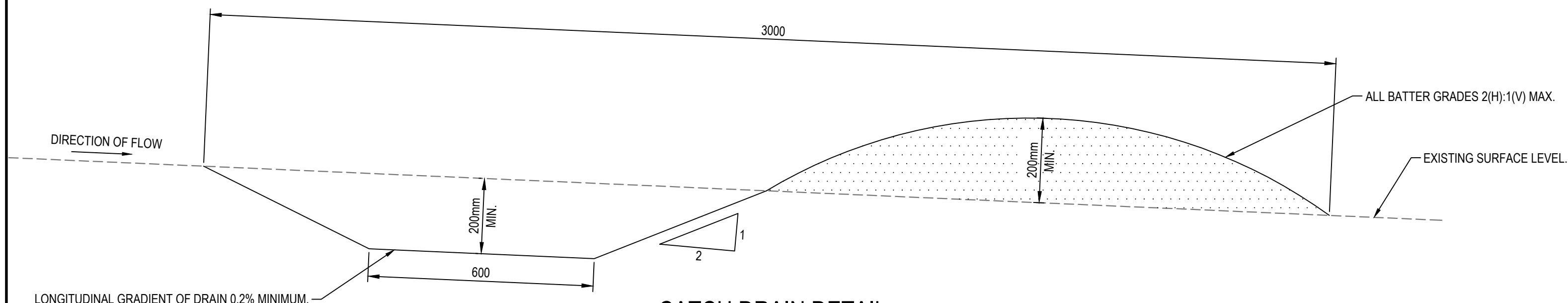
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



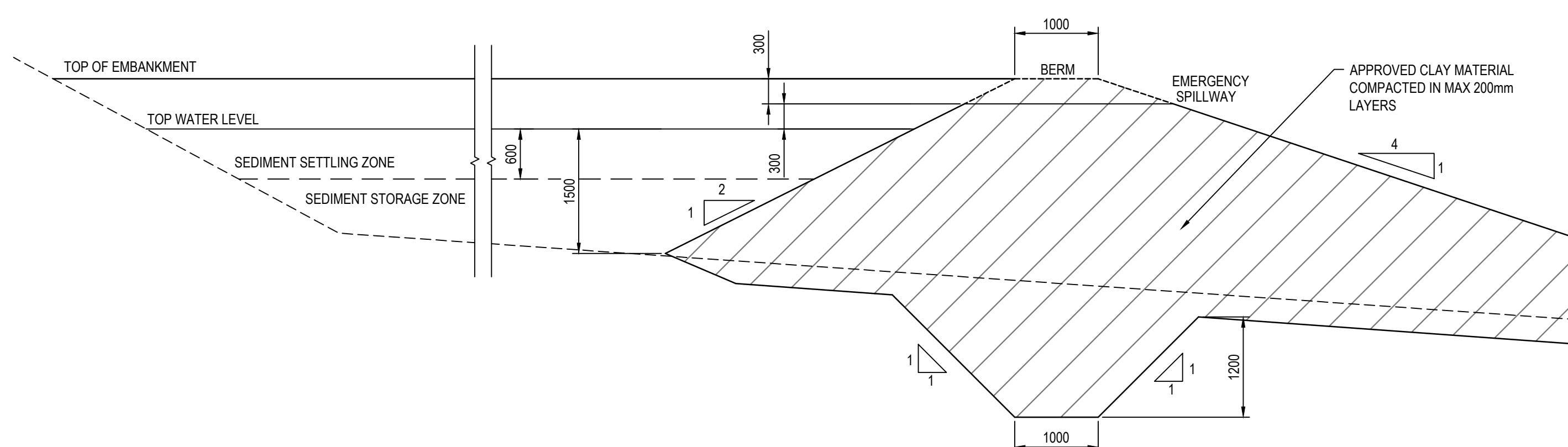
TYPICAL LOT BOUNDARY DETAIL

1 : 50



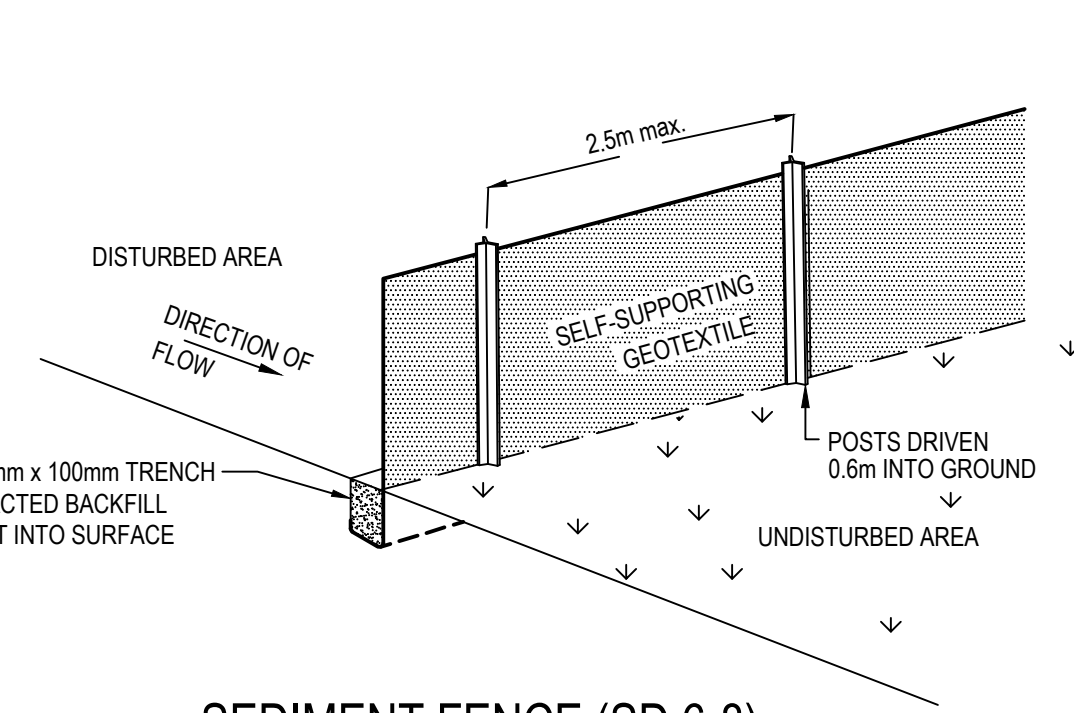
CATCH DRAIN DETAIL

SCALE 1:10



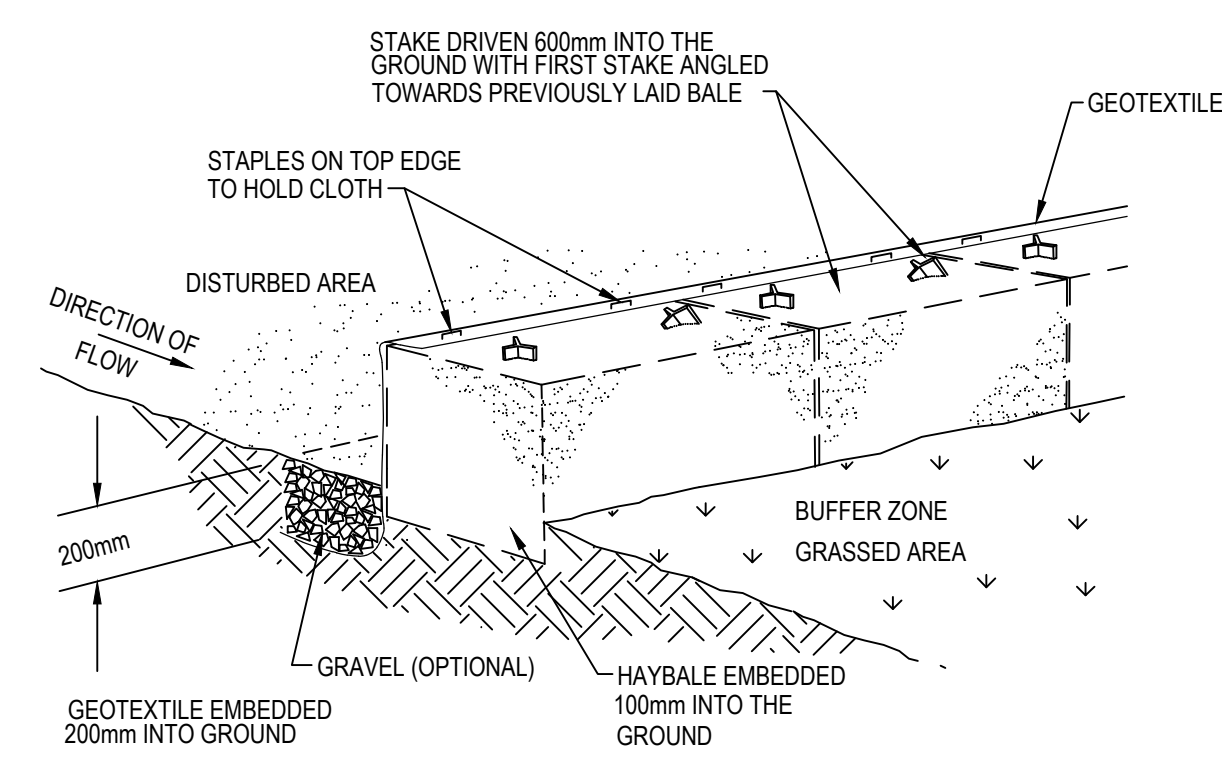
SEDIMENT BASIN TYPICAL CROSS SECTION

1 : 50



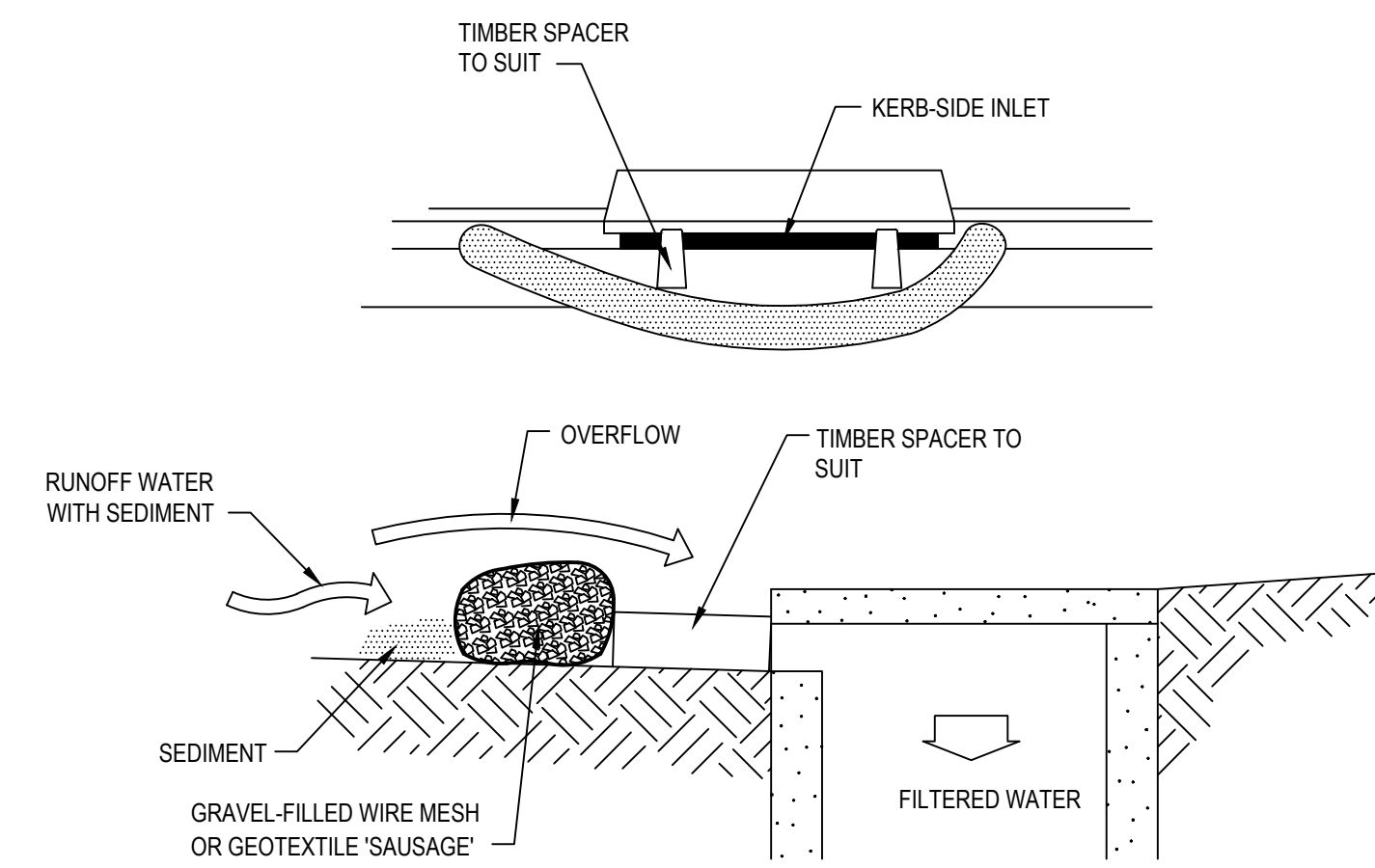
SEDIMENT FENCE (SD 6-8)

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



MESH AND GRAVEL INLET FILTER

NTS

## 4. USE OF GYPSUM

The required rate of gypsum application is 1 kg/msq of exposed soil.

The gypsum application to exposed soil must be repeated every time a rain event of more than 30mm per day is predicted.

Gypsum will also must be added to the sedimentation pond. Gypsum application at 1 kg/sqm must occur immediately after construction and before any water accumulates in the basin.

### Managing turbid runoff

Water entering the basin may be turbid. Additionally wave action in the basin may mobilise fine sediment. Figure 4.1 shows the method of applying gypsum to water surfaces.

The Blue Book (Landcom, 2004) suggests a dose rate of 30 kg of gypsum/ 100 cubic m of water. The assumed maximum volume of basin A is 855 cubic m.

Therefore, the total quantity of gypsum needed for the 2 basins is 315 kg per dosing period.

### Actions

1. Purchase at least 10 T of bulk agricultural grade gypsum.
2. Apply a slurry containing gypsum powder to the dam surfaces (see figure 4.1).
3. The key purpose of this is to ensure that the water exiting the dam is not turbid.
4. The pump needs to be sufficiently powerful so that the slurry can reach the entire water surface.

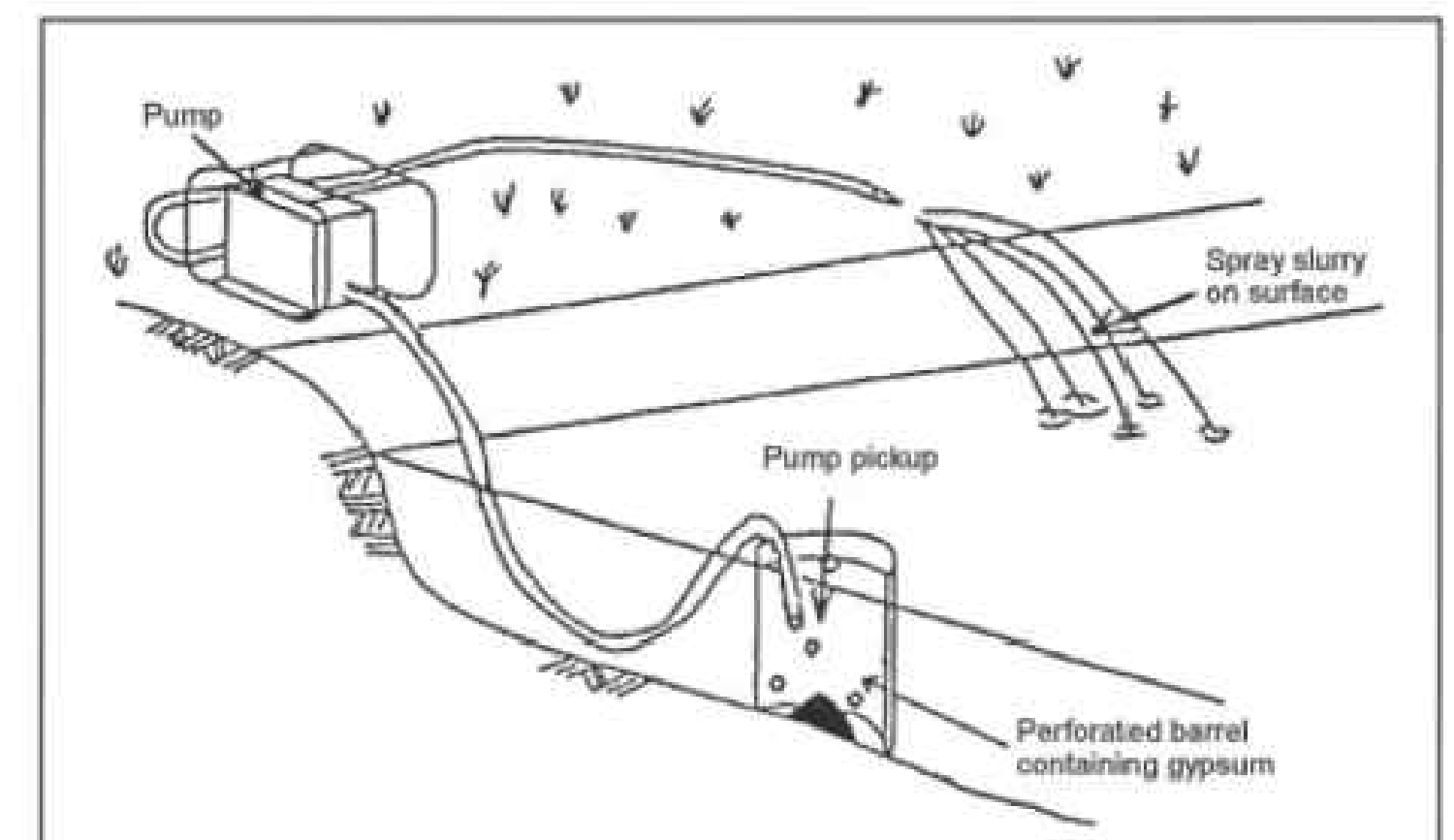
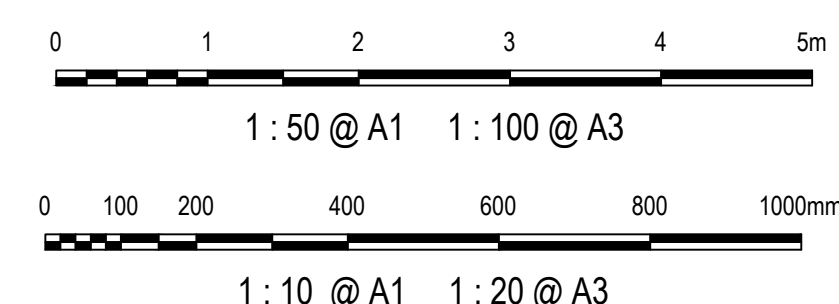


Figure 4.1. Method for spraying gypsum solution onto the floor and sides of the dam (Source: Copied from Landcom, 2004).

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Issue	Description	Date

Bar Scales



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Client

GibbGroup.

Scales

AS SHOWN

Grid GDA 2020

Height Datum AHD



Drawn

Designed

Checked

Approved

NT

QD & TS

MG

Project

805 MAMRE ROAD  
KEMPS CREEK

Title

SEDIMENT AND  
EROSION CONTROL  
DETAILS

Civil Engineers and Project Managers

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

Status

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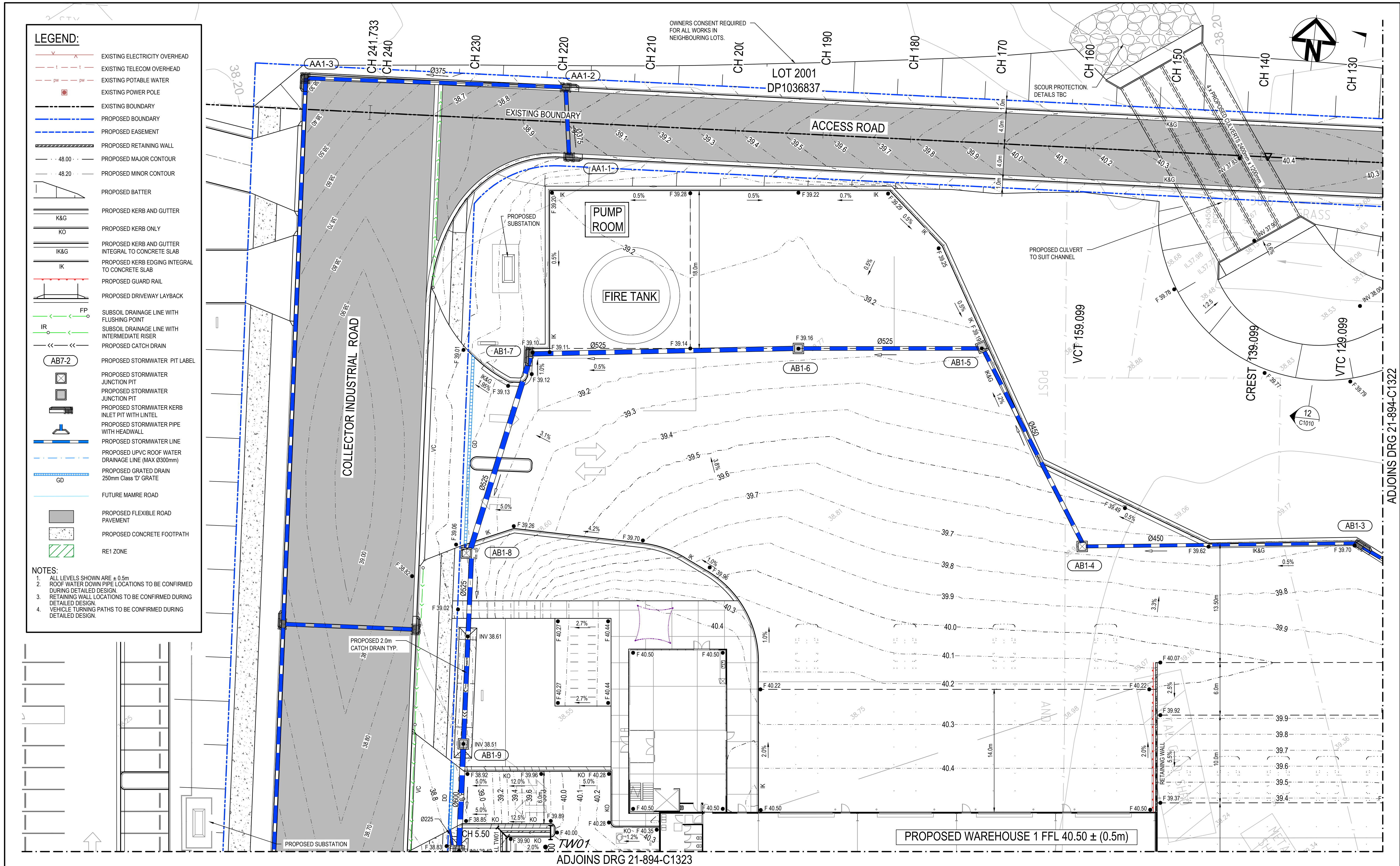
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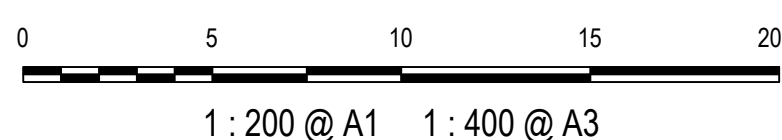
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Bar Scales



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1 : 200

Grid

GDA 2020

Height Datum

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Project

805 MAMRE ROAD  
KEMPS CREEK

Title

WAREHOUSE 1  
SITEWORKS AND STORMWATER  
DRAINAGE PLAN  
SHEET 1

Civil Engineers and Project Managers

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

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Status

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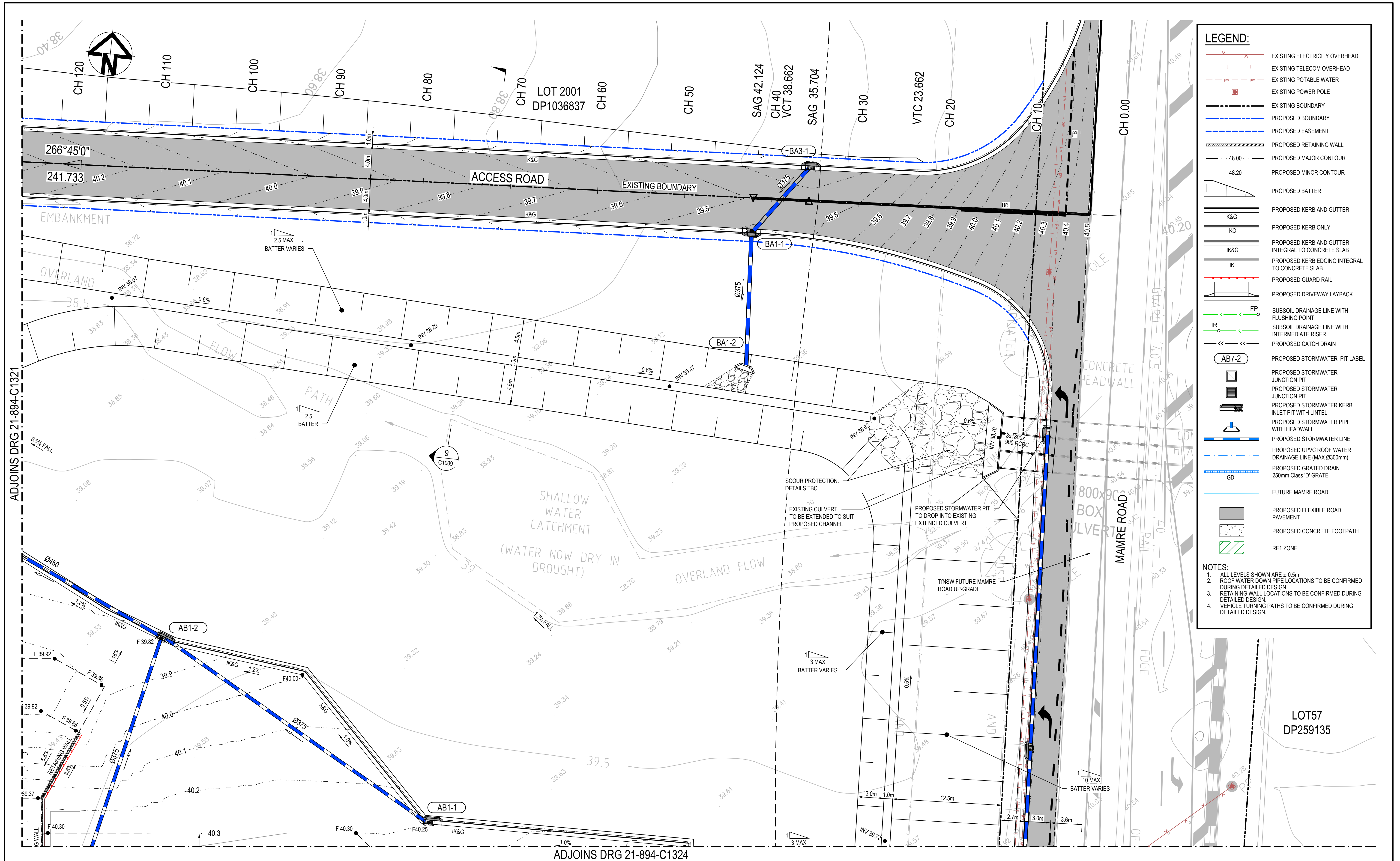
Project - Drawing No.

21-894-C1321

Issue

J





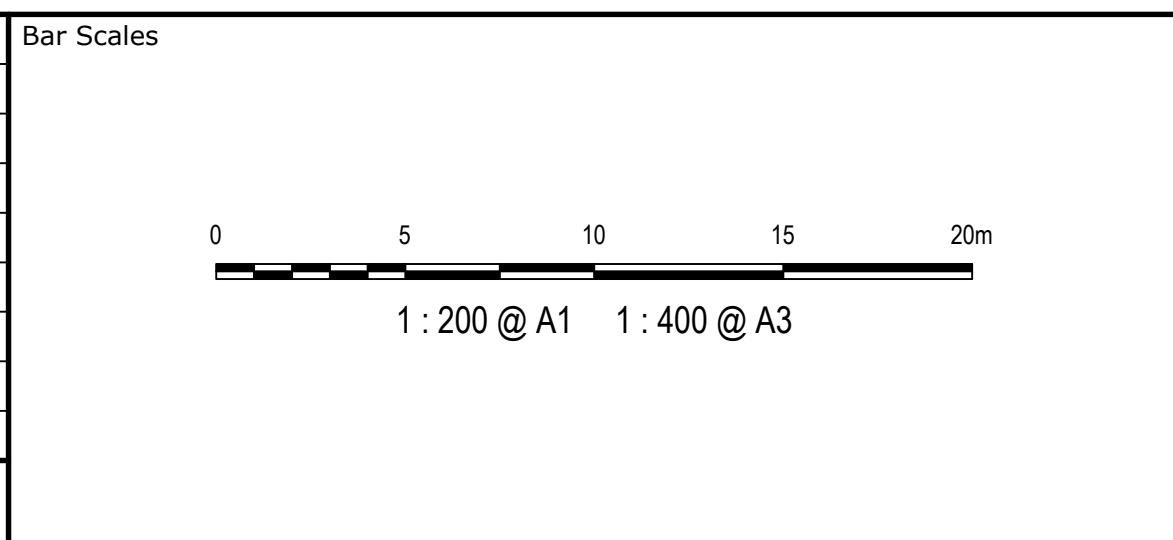
**LEGEND:**

- EXISTING ELECTRICITY OVERHEAD
- EXISTING TELECOM OVERHEAD
- EXISTING POTABLE WATER
- EXISTING POWER POLE
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER
- PROPOSED KERB AND GUTTER
- PROPOSED KERB ONLY
- PROPOSED KERB AND GUTTER INTEGRAL TO CONCRETE SLAB
- PROPOSED KERB EDGING INTEGRAL TO CONCRETE SLAB
- PROPOSED GUARD RAIL
- PROPOSED DRIVEWAY LAYBACK
- SUBSOIL DRAINAGE LINE WITH FLUSHING POINT
- SUBSOIL DRAINAGE LINE WITH INTERMEDIATE RISER
- PROPOSED CATCH DRAIN
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED STORMWATER LINE
- PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)
- PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
- GD
- FUTURE MAMRE ROAD
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- RE1 ZONE

**NOTES:**

- ALL LEVELS SHOWN ARE  $\pm 0.5m$
- ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN
- RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN
- VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN

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Issue	Description	Date



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Project	805 MAMRE ROAD KEMPS CREEK
Title	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

Civil Engineers and Project Managers

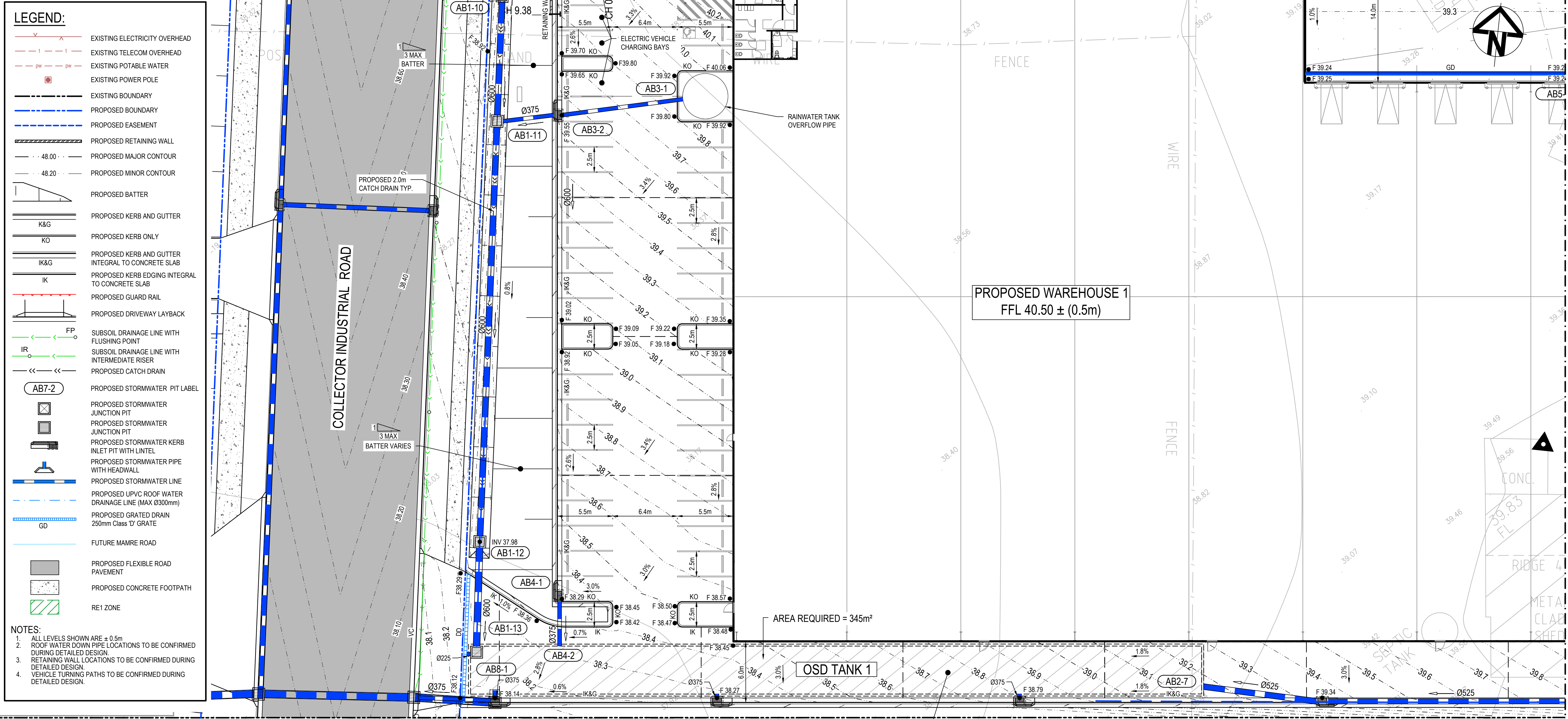
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NSW 2060  
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E info@atl.net.au  
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Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1	
Project - Drawing No.	21-894-C1322	Issue	J



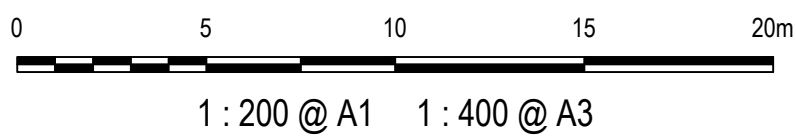
ADJOINS DRG 21-894-C1321



LOT27  
DP258414

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Bar Scales



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Client

Scales  
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Grid  
GDA 2020

Height  
Datum  
AHD



Drawn  
NT

Designed  
QD & TS

Checked  
MG

Approved

Project

805 MAMRE ROAD  
KEMPS CREEK

Title

WAREHOUSE 1  
SITEWORKS AND STORMWATER  
DRAINAGE PLAN  
SHEET 3

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney  
NSW 2060  
P 02 9439 1777  
E info@atl.net.au  
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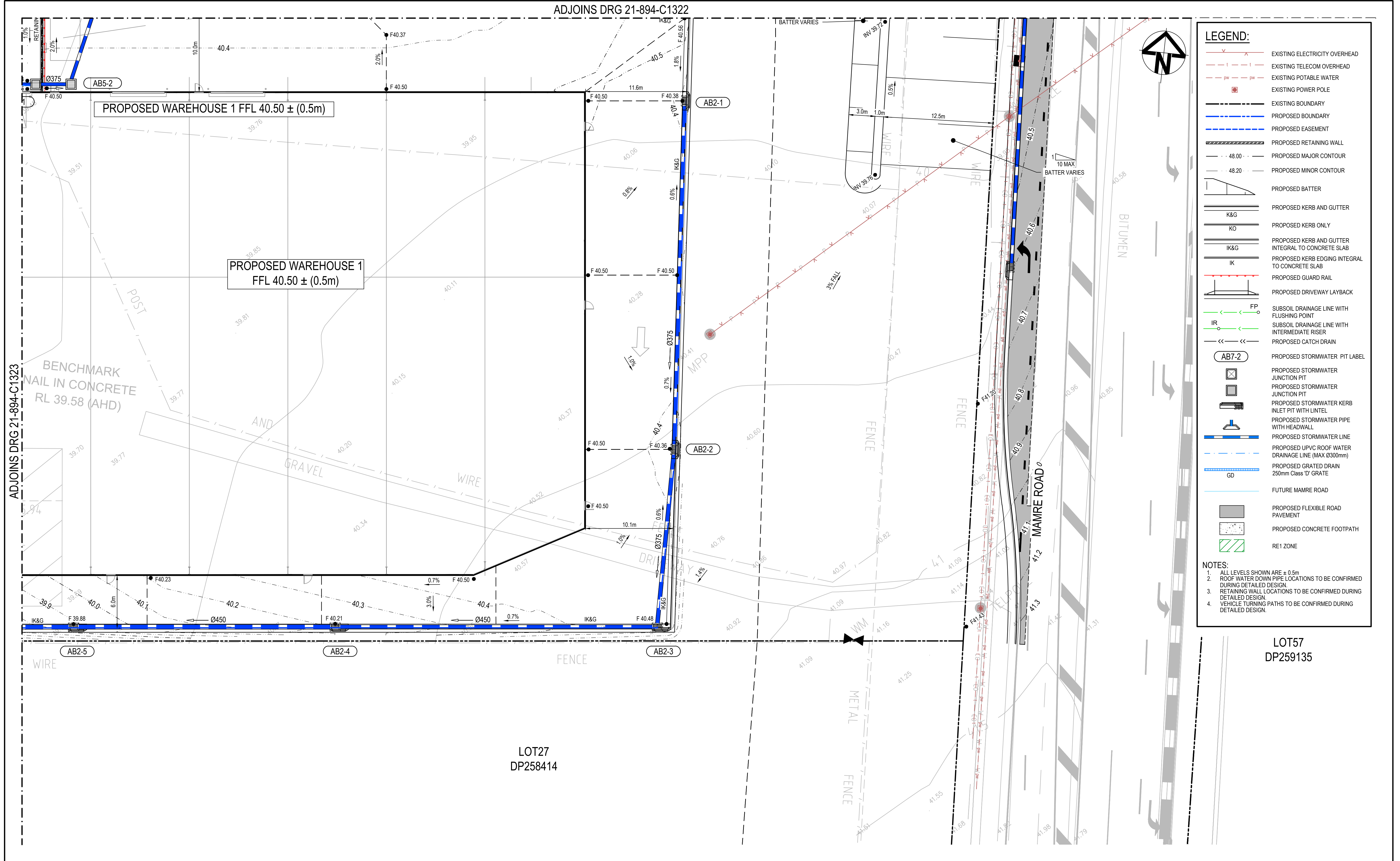
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Issue

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Issue	Description	Date

Bar Scales
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1 : 200 @ A1 1 : 400 @ A3


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Project	805 MAMRE ROAD KEMPS CREEK
Title	WAREHOUSE 1 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

Civil Engineers and Project Managers		
		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1324	Issue J

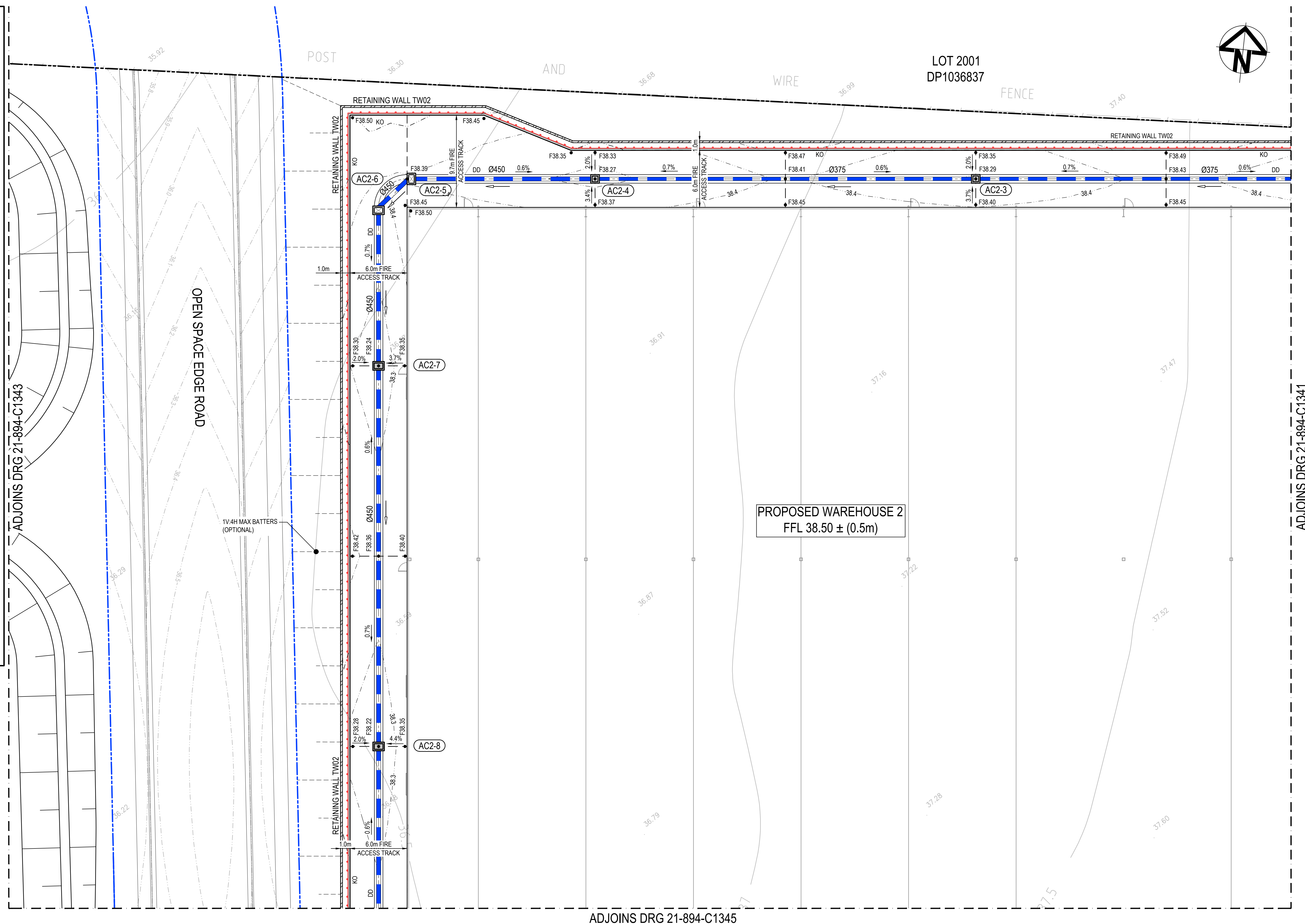






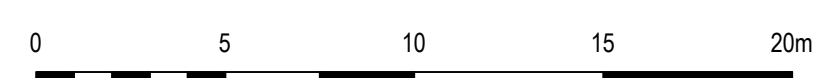
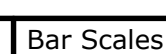
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	FUTURE MAMRE ROAD
	PROPOSED FLEXIBLE ROAD PAVEMENT
	PROPOSED CONCRETE FOOTPATH
	RE 1 ZONE

1. ALL LEVELS SHOWN ARE  $\pm 0.5\text{m}$
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3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.



ADJOINS DRG 21-894-C1345

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1 : 200 @ A1    1 : 400 @ A3

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OTHER PURPOSE OTHER THAN  
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WITHOUT THE WRITTEN  
PERMISSION OF AT&L

**GibbGroup.**

Scales	1 : 200	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	



The logo for GDA2020 features a stylized blue globe icon with a white dot and a curved line, followed by the text 'GDA2020' in a bold, blue, sans-serif font.

	Project
--	---------

805 MAMRE ROAD  
KEMPS CREEK

	Title
--	-------

WAREHOUSE 2  
SITEWORKS AND STORMWATER  
DRAINAGE PLAN  
SHEET 2

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney  
NSW 2060  
P 02 9439 1777  
E [info@atl.net.au](mailto:info@atl.net.au)  
[www.atl.net.au](http://www.atl.net.au)  
ABN 96 130 882 405

**at&l**

Status	
--------	--

5 FOR APPROVAL  
NOT FOR CONSTRUCTION

Project - Drawing No.

21-894-C1342

114

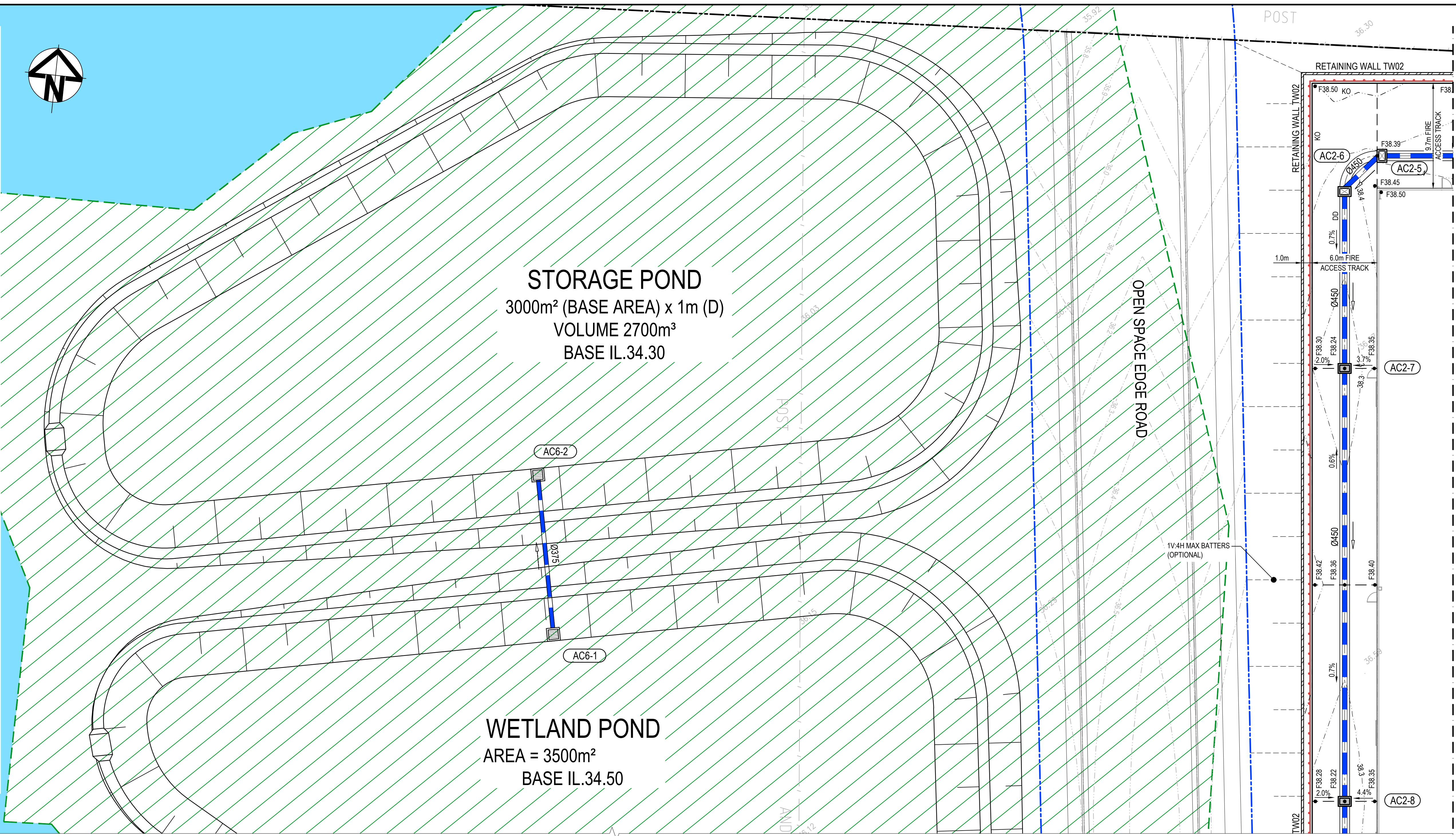
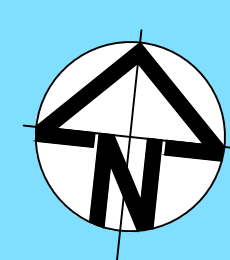
J



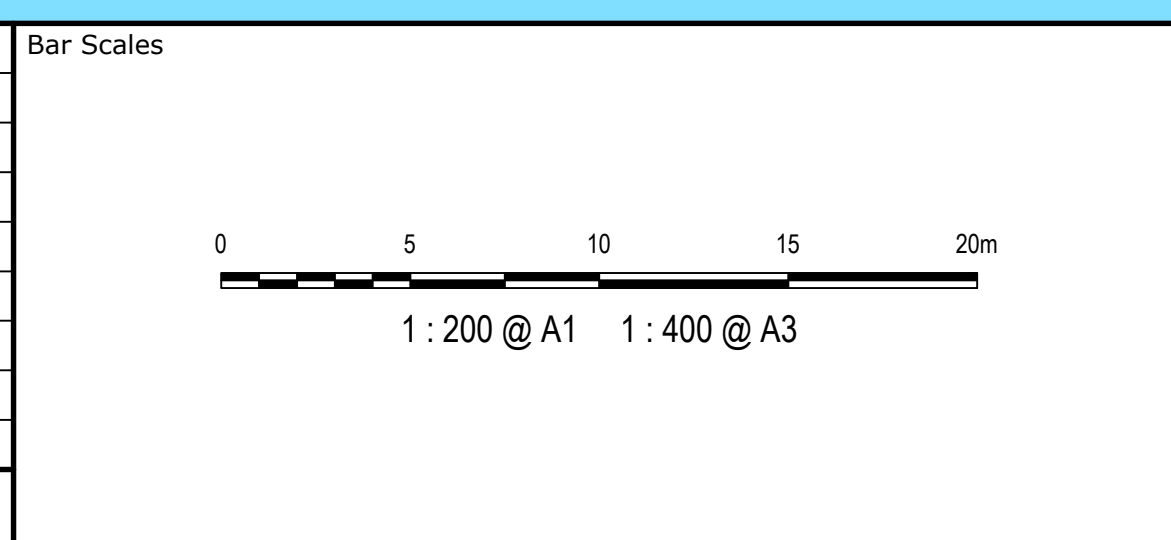
LEGEND:

- EXISTING ELECTRICITY OVERHEAD  
EXISTING TELECOM OVERHEAD  
EXISTING POTABLE WATER  
EXISTING POWER POLE  
EXISTING BOUNDARY  
PROPOSED BOUNDARY  
PROPOSED EASEMENT  
PROPOSED RETAINING WALL  
PROPOSED MAJOR CONTOUR  
PROPOSED MINOR CONTOUR  
PROPOSED BATTER  
PROPOSED KERB AND GUTTER  
PROPOSED KERB ONLY  
PROPOSED KERB AND GUTTER  
INTEGRAL TO CONCRETE SLAB  
PROPOSED KERB EDGING INTEGRAL  
TO CONCRETE SLAB  
PROPOSED GUARD RAIL  
PROPOSED DRIVEWAY LAYBACK  
SUBSOIL DRAINAGE LINE WITH  
FLUSHING POINT  
SUBSOIL DRAINAGE LINE WITH  
INTERMEDIATE RISER  
PROPOSED CATCH DRAIN  
PROPOSED STORMWATER PIT LABEL  
PROPOSED STORMWATER  
JUNCTION PIT  
PROPOSED STORMWATER  
JUNCTION PIT  
PROPOSED STORMWATER KERB  
INLET PIT WITH LINTEL  
PROPOSED STORMWATER PIPE  
WITH HEADWALL  
PROPOSED STORMWATER LINE  
PROPOSED UPVC ROOF WATER  
DRAINAGE LINE (MAX Ø300mm)  
PROPOSED GRATED DRAIN  
250mm Class 'D' GRATE  
FUTURE MAMRE ROAD  
PROPOSED FLEXIBLE ROAD  
PAVEMENT  
PROPOSED CONCRETE FOOTPATH  
RE1 ZONE

- NOTES:  
1. ALL LEVELS SHOWN ARE ± 0.5m  
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED  
DURING DETAILED DESIGN.  
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING  
DETAILED DESIGN.  
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING  
DETAILED DESIGN.



J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date



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OTHER PURPOSE OTHER THAN  
THAT ORIGINALLY INTENDED  
WITHOUT THE WRITTEN  
PERMISSION OF AT&L



Scales	1 : 200	Drawn	NT
		Designed	QD & TS
Grid	GDA 2020	Checked	MG
Height Datum	AHD	Approved	

Project	805 MAMRE ROAD KEMPS CREEK
Title	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		
Status	FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	21-894-C1343	Issue J






1:200 @ A1    1:400 @ A3

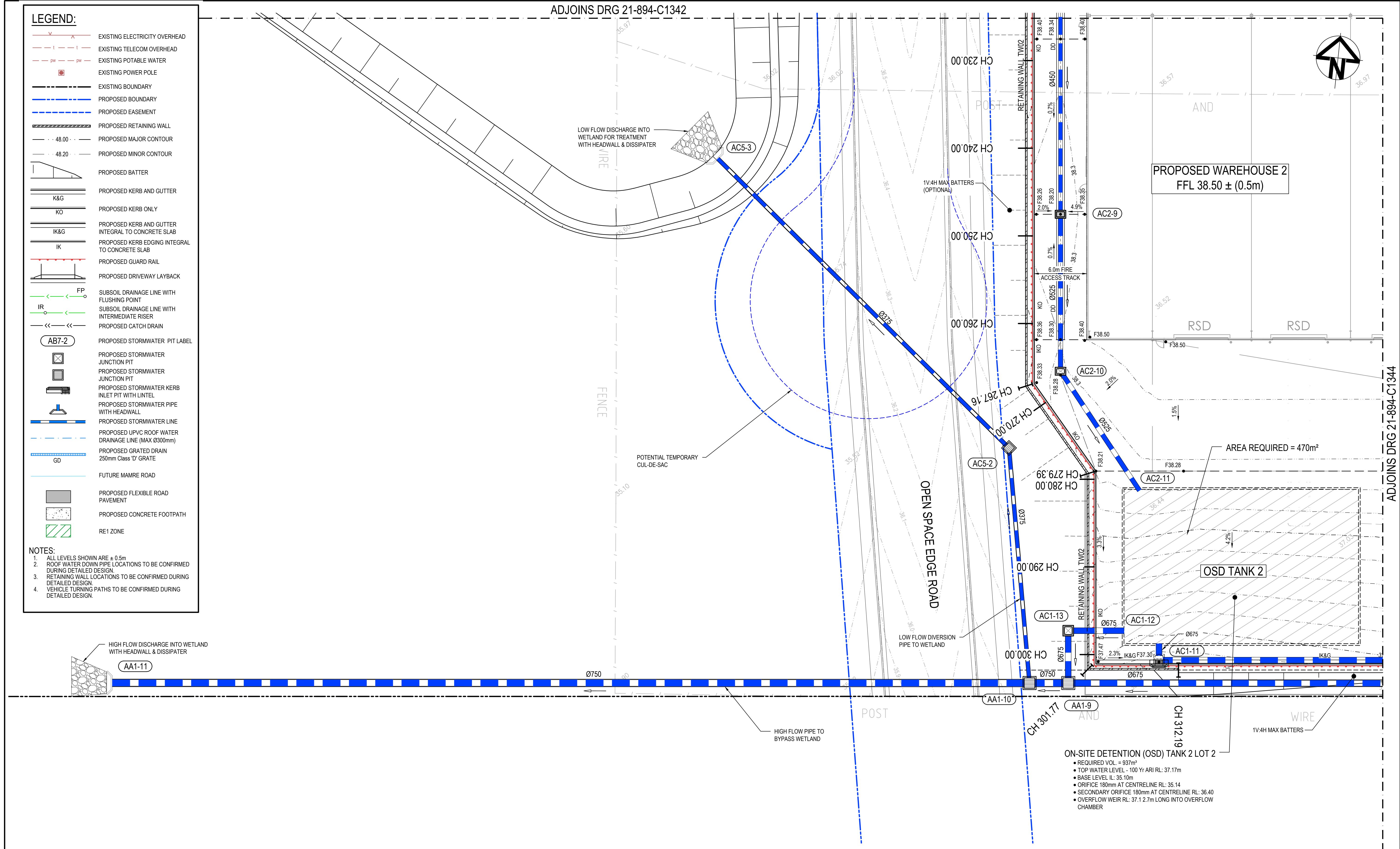
**GibbGroup.**



Project	805 MAMRE ROAD KEMPS CREEK
Title	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

Civil Engineers and Project Managers  		Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atI.net.au www.atI.net.au ABN 96 130 882 405
Status	<b>FOR APPROVAL</b> <b>NOT FOR CONSTRUCTION</b>	<b>A1</b>
Project - Drawing No.  <b>21-894-C1344</b>		Issue  <b>J</b>





J	RE-ISSUED FOR DA	30-08-23
I	RE-ISSUED FOR DA	21-04-23
H	RE-ISSUED FOR DA	02-03-23
G	RE-ISSUED FOR DA	02-02-23
F	RE-ISSUED FOR DA	22-12-22
E	RE-ISSUED FOR DA	10-11-22
D	RE-ISSUED FOR DA	04-11-22
C	RE-ISSUED FOR DA	09-08-22
B	RE-ISSUED FOR DA	08-08-22
Issue	Description	Date

Bar Scales
0 5 10 15 20m
1 : 200 @ A1 1 : 400 @ A3

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GibbGroup.

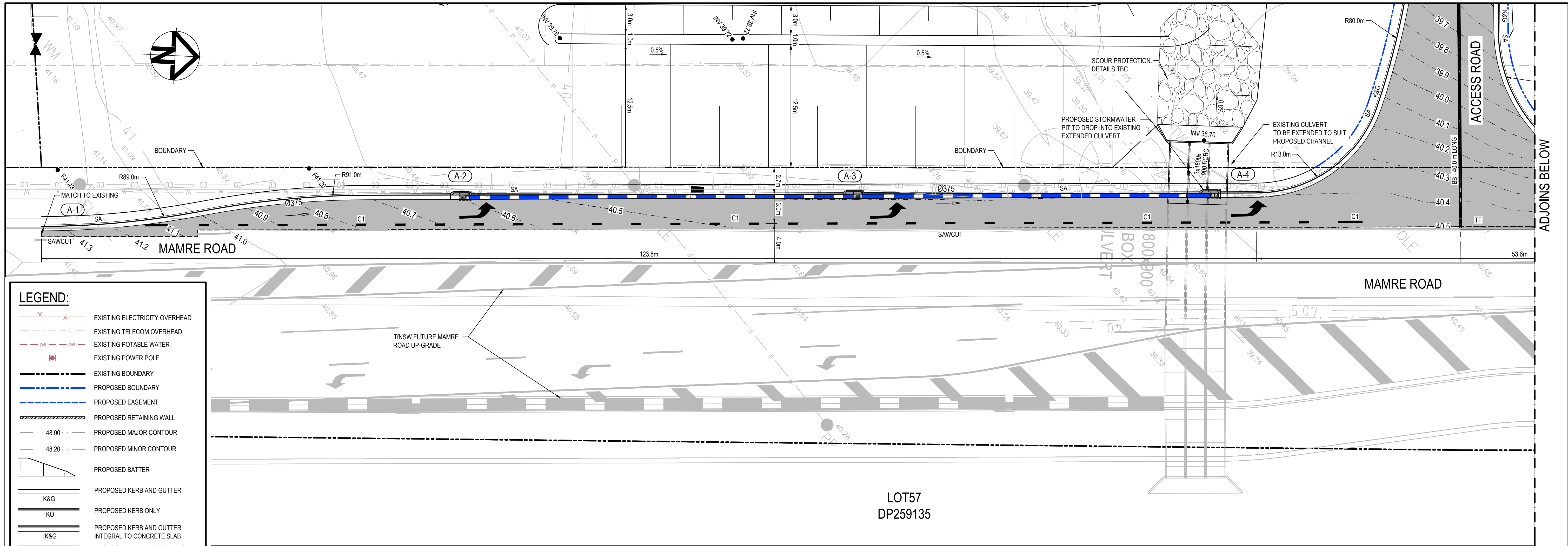
Scales	1 : 200	Drawn	NT
Grid	GDA 2020	Designed	QD & TS
Height Datum	AHD	Checked	MG
		Approved	

GDA2020

Project	805 MAMRE ROAD KEMPS CREEK
Title	WAREHOUSE 2 SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 5

Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405
at&l	
Status	FOR APPROVAL NOT FOR CONSTRUCTION
Project - Drawing No.	21-894-C1345
Issue	J



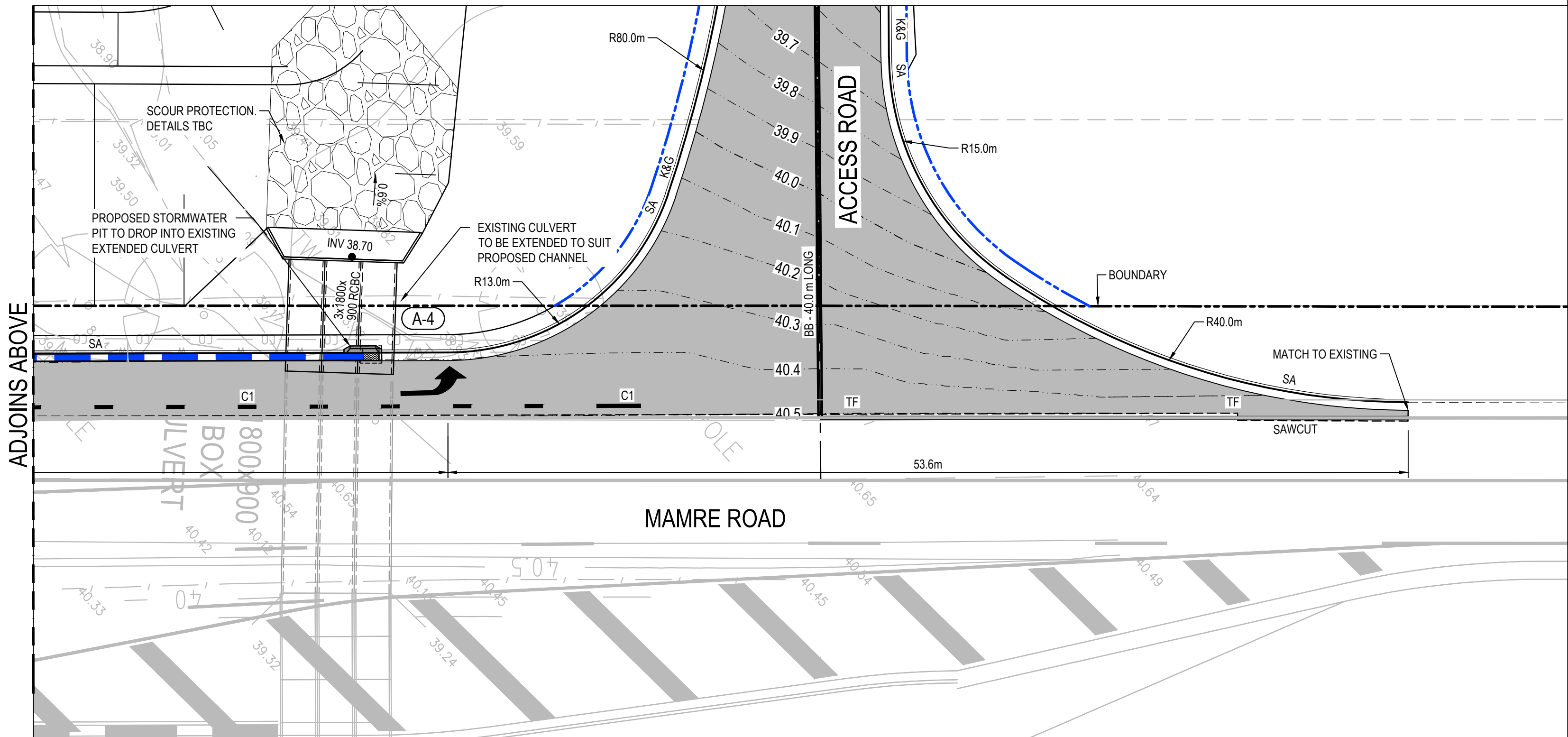


**LEGEND:**

- EXISTING ELECTRICITY OVERHEAD
- EXISTING TELECOM OVERHEAD
- EXISTING POTABLE WATER
- EXISTING POWER POLE
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER
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- PROPOSED KERB AND GUTTER INTEGRAL TO CONCRETE SLAB
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- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER JUNCTION PIT
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- PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)
- PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
- FUTURE MAMRE ROAD
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- RE1 ZONE

**NOTES:**

- ALL LEVELS SHOWN ARE  $\pm 0.5m$
- ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
- RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
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