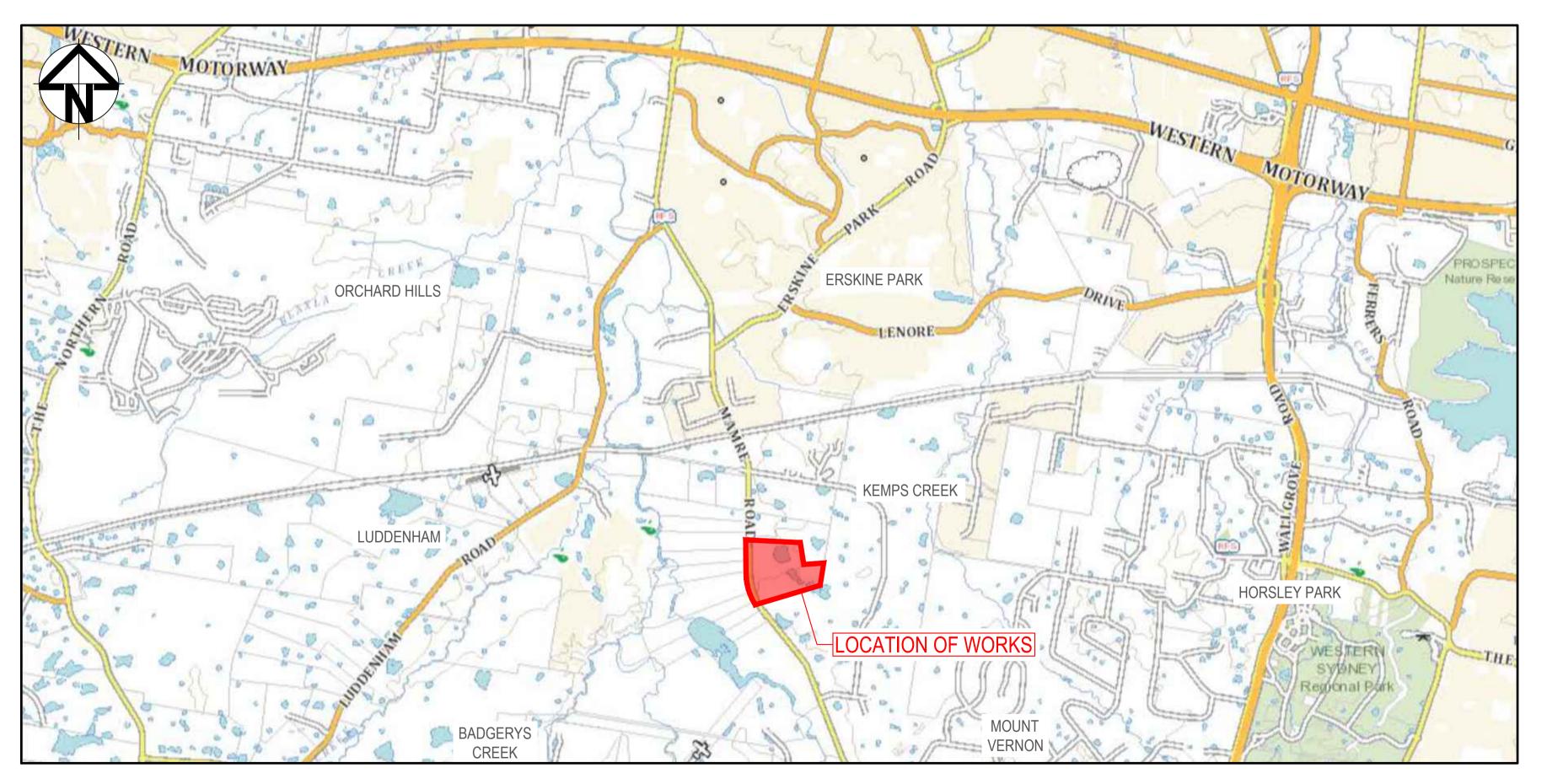
# ASPECT INDUSTRIAL ESTATE ROAD 2 CIVIL WORKS PACKAGE SUBDIVISION WORKS CERTIFICATE 788-882 MAMRE ROAD, KEMPS CREEK SSD-10448



			Bar Scales
1	ISSUED FOR CONSTRUCTION	31-03-23	
В	ISSUED FOR SWC APPROVAL	30-03-23	
А	ISSUED FOR SWC APPROVAL	10-03-23	
Issue	Description	Date	

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# LOCALITY PLAN NOT TO SCALE

Client

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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

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THESE DRAWINGS MUST **BE READ IN CONJUNCTION** WITH THE ITT & RELEVANT COUNCIL CONSTRUCTION SPECIFICATIONS, AUSTRALIAN STANDARDS & AUTHORITY GUIDELINES

PENRITH

velopment Consent:

COUNCIL

division Works Certificate: EA23/0006

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document relates to

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SSD-10448 MOD2

**ASPECT INDUSTRIAL ESTATE** MAMRE ROAD, **KEMPS CREEK** SWC03

> COVER SHEET AND LOCALITY PLAN



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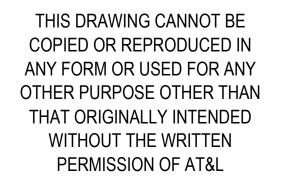
North Sydney NSW 2060

Civil Engineers and Project Managers

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DRAWING No.	DRAWING TITLE
18-596-C9000	COVER SHEET AND LOCALITY PLAN
18-596-C9001	DRAWING LIST
18-596-C9002	NOTES AND LEGENDS SHEET SHEET 1
18-596-C9003	NOTES AND LEGENDS SHEET SHEET 2
18-596-C9005	GENERAL ARRANGEMENT PLAN
18-596-C9010	TYPICAL ROAD SECTION
18-596-C9015	TYPICAL DETAILS SHEET 1
18-596-C9016	TYPICAL DETAILS SHEET 2
18-596-C9101	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
18-596-C9102	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
18-596-C9105	ROAD 2 CONTROL LINE SETOUT PLAN SHEET 1
18-596-C9106	ROAD 2 CONTROL LINE SETOUT PLAN SHEET 2
18-596-C9111	CUL-DE-SAC & KERB RETURN CONTROL LINE SETOUT PLAN SHEET 1
18-596-C9112	CUL-DE-SAC & KERB RETURN CONTROL LINE SETOUT PLAN SHEET 2
18-596-C9131	ROAD 2 CONTROL LINE LONGITUDINAL SECTION
18-596-C9132	CUL-DE-SAC AND KERB RETURN LONGITUDINAL SECTIONS
18-596-C9151	PAVEMENT MARKING AND SIGNPOSTING SHEET 1
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18-596-C9161	PAVEMENT PLAN SHEET 1
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18-596-C9201	STORMWATER DRAINAGE LONGITUDINAL SECTION
18-596-C9211	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED) SHEET 1
18-596-C9212	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED) SHEET 2
18-596-C9221	STORMWATER DRAINAGE DETAILS SHEET 1
18-596-C9231	STRUCTURE SETOUT DETAILS SHEET 1
18-596-C9301	CONTROL LINE ROAD 2 , ANNOTATED CROSS SECTIONS
18-596-C9351	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
18-596-C9352	EROSION AND SEDIMENT CONTROL PLAN SHEET 2
18-596-C9360	EROSION AND SEDIMENT CONTROL DETAILS
18-596-C9401	VEHICLE TURN PATH PLAN SHEET 1
18-596-C9451	PROPOSED FENCING PLAN SHEET 1
18-596-C9452	PROPOSED FENCING PLAN SHEET 2

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Scales



Development Consent: SSD-10448 MOD2 Subdivision Works Certificate: EA23/0006

Subject to the conditions outlined in the consent

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DRAWING LIST	FOR CONSTRUCTION	A1	
	Project - Drawing No. 18-596-C9001	Issue 1	

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#### SITEWORKS NOTES

- ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL
- ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKEILL 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.
- ASPHALTIC CONCRETE SHALL CONFORM TO TINSW SPECIFICATION R116
- ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TINSW FORM 3051 (UNBOUND), TINSW FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
- ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TINSW 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 TES PER 50m<sup>3</sup> 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 THNSW FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
- SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT 11 THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
- WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eq. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS
- 13. ALL WORKS CARRIED OUT ADJACENT TO AND WITHIN TRANSGRID'S EASEMENT TO COMPLY WITH TRANSGRID'S GUIDELINES AND REQUIREMENTS.
- 14. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS

## SURVEY NOTES

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

PRIOR TO THE COMMENCEMENT OF THE WORKS. THE CONTRACTOR SHALL UNDERTAKE A DETAILED BOUNDARY SURVEY AND COMPARE AGAINST THE DESIGN FOR DISCREPANCIES.

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

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

THE TITLE BOUNDARIES SHOWN HEREON WERE NOT MARKED AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY AND NOT BY FIELD SURVEY.

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

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

#### DEWATERING

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

# EXISTING UNDERGROUND SERVICES

- THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
- 2. AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
- CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
- CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY 4 PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
- CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.
- PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR IS TO CONFIRM THE ALIGNMENT AND LEVELS OF ALL EXISTING SERVICES AT ALL LOCATIONS WHERE THE PROPOSED SERVICES ARE TO CROSS. CONNECT TO, OR ARE LOCATED IN CLOSE PROXIMITY TO THE EXISTING SERVICES.

#### CONCRETE NOTES

- 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.
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS, BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, 6 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 TINSW SPECIFICATION R83.
- 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 \_\_\_ F BAR GRADE AND TYPE
  - 17 N 20 250
- NOMINAL BAR SIZE IN mm \_\_\_\_\_ SPACING IN mm THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE
- REFERANCE NUMBER FOR FABRIC TO AS 1304. 8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE
- FOLLOWING DETAIL:

# **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 3. DECOMMISSIONING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).
- 4. ALL EXISTING SERVICES (INCLUDING SEPTIC TANKS) SHALL BE REMOVED FROM SITE.
- 5. ALL UNDERGROUND CABLES AND PIPES SHALL BE GRUBBED OUT AND CAPPED AT THE BOUNDARY OF THE SITE.

CONTINUED ABOVE

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#### **DECOMMISSIONING / DEMOLITION** CONTINUED FROM BELOW

ALL OVERHEAD SERVICES SHALL BE REMOVED FROM WITHIN THE SITE BOUNDARY AND MADE SAFE AT THE TERMINATION LOCATION. ANY POLES SHALL BE REMOVED FROM THE SITE.

ALL EXISTING SERVICES TO BE CONSIDERED AS LIVE UNTIL THE CONTRACTOR HAS TESTED AND CONFIRMED TO THE SUPERINTENDENT THAT THE SERVICES ARE DEAD / REDUNDANT.

# **KERBING NOTES**

ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.

- ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
- EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- BROOM FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.

6. IN THE REPLACEMENT OF KERB AND GUTTER :-IF REQUIRED EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE

# STORMWATER DRAINAGE NOTES

- STORMWATER DESIGN CRITERIA: (A) AVERAGE RECURRENCE INTERVAL
- 1:100 YEARS MAJOR STORM (OVERLAND FLOW) 1:20 YEARS MINOR STORM (PIPED NETWORK)
- B) RAINFALL INTENSITIES: TIME OF CONCENTRATION:5 MINUTES
- 1:100 YEARS= 219 mm/hr 1:20 YEARS= 167 mm/hr (C) RUNOFF COEFFICIENTS:

U.N.O.

CLASS '4' U.N.O.

HEIGHT

ACHIEVED).

- ROOF AREAS:C100=1.0EXTERNAL PAVEMENTS:C100=1.0
- PIPES 300 DIA. AND LARGER ARE TO BE REINFORCED CONCRETE (RCP) OR FIBRE-REINFORCED CONCRETE (FRC) CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE
- PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT
- WELDED JOINTS. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL OF PENRITH CITY COUNCIL.
- ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN
- 6. PIPES TO BE INSTALLED TO TYPE HS2 SUPPORT IN ACCORDANCE WITH AS 3725 IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF
  - TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
- (OR A DENSITY INDEX OF NOT LESS THAN 75) ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS. UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- 10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- GRATES AND COVERS SHALL CONFORM TO AS 3996 AND PENRITH CITY COUNCIL CONSTRUCTION SPECIFICATIONS.
- 12. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- 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.
- ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS, UNLESS APPROVED BY THE SUPERINTENDENT / PENRITH CITY COUNCIL. IF APPROVED AND IN ADDITION TO THE SPECIFICATION,
- ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT AUSTRALIAN STANDARDS (AS3600, AS3996). ALL PRECAST PITS TO BE FOUNDED ON CONCRETE BLINDING LAYER WITH A
- MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPA UP TO 3.0M DEPTH TO INVERT AND 150KPA FROM 3.0M TO 6.0M DEPTH TO INVERT (MINIMUM 100MM THICK 25MPA OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS
- PRE-CAST STORMWATER PITS ARE TO BE CUSTOM MADE WITH OPENINGS WITHIN +50MM OD OF PIPE, HEIGHTS AND PIPE PENETRATIONS DURING MANUFACTURE. ANY ADDITIONAL PENETRATIONS SHALL BE CORE DRILLED AND STEEL BLOWN OUT TO MANUFACTURERS REQUIREMENTS, IF REQUIRED.
- DEMOLITION SAWS ARE NOT TO BE USED IN ANY CIRCUMSTANCES. SINGLE UNITS PREFERRED BUT IF REQUIRED MINIMUM RISER DEPTH 600MM PIT INSTALLATION AND JOINTING PIPES TO PITS SHALL BE UNDERTAKEN IN
- ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. CONTINUED ABOVE

# STORMWATER DRAINAGE NOTES

- CONTINUED FROM BELOW ANY DAMAGE TO THE STRUCTURAL INTEGRITY OF THE PRE-CAST PIT WILL
- BE REPAIRED AND STRUCTURALLY CERTIFIED TO THE SATISFACTION OF THE SUPERINTENDENT / PENRITH CITY COUNCIL. ALL PRE-CAST PIT PENETRATIONS SHALL BE CUT SO THAT IT IS FLUSH
- WITH THE INTERNAL WALL PIPE JOINTING/SEALING OF PIPE PENETRATION TO BE WITH A NON-SHRINK MORTAR MIX, E.G. LANKO 702 DURABED OR SIMILAR APPROVED.
- SUBSOIL DRAINAGE FLUSHING AND/OR INTERMEDIATE RISERS TO BE INSTALLED AT 40m CENTRES, AND AT ALL UPSTREAM ENDPOINTS ANY ADDITIONAL PENETRATIONS TO ANY STRUCTURAL CONCRETE (E.G.
- STORMWATER PITS, CULVERTS, HEADWALLS ETC.) SHALL BE CORE DRILLED AND STEEL BLOWN OUT TO MANUFACTURERS REQUIREMENTS, IF REQUIRED.

# **EMBANKMENT CONSTRUCTION**

# SEQUENCE

- STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
- CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.
- IN THE CASE WHERE THE EMBANKMENT AREAS SHOW ANY FAILURE. THE CONTRACTOR IS TO ENGAGE A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER TO DETERMINE THE CAUSE AND METHOD OF RECTIFICATION
- COMPACT CLAY STABILISED WITH GYPSUM (3% BY DRY MASS, MINIMUM) AS APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER INTO THE CUT-OFF TRENCH OF LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT.
- GYPSUM STABILISED NATURAL SOILS EXPOSED IN EMBANKMENT AREA WITH MINIMUM 3% GYPSUM BY DRY MASS AND COMPACT AS FOR #4. ALL TO THE APPROVAL OF A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
- CONSTRUCT BODY OF EMBANKMENT WITH CLAYEY MATERIAL WON FROM SITE. COMPACT THE CLAYEY MATERIAL APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IN LAYERS NOT EXCEEDING 150mm THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT. MOST IMPORTANTLY. IF SHRINKAGE CRACKS OCCUR. AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
- OVERFILL THE EMBANKMENT AND TRIM OFF, SO THAT THE ENTIRE BODY OF THE EMBANKMENT IS COMPACTED.
- TRIM THE EMBANKMENTS BATTERS TO THE OVERFILLED MATERIAL, STABILISE THE UPSTREAM CLAY BATTERS WITH WELL MIXED GYPSUM (3% BY DRY MASS, MINIMUM) AND COMPACT TO MIN. 98% STD -2% TO +2% OMC.
- 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.
- WATER AND FERTILISE LANDSCAPE AS REQUIRED BY CLIMACTIC CONDITIONS TO ENSURE THE LANDSCAPE IS SUCCESSFUL.
- 12. AT THE COMPLETION OF WORK WRITTEN CONFIRMATION AND CERTIFICATION IS TO BE PROVIDED FROM A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER THAT THE EMBANKMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THESE DRAWINGS.

# **EROSION AND SEDIMENT CONTROL** NOTES

# GENERAL INSTRUCTIONS

THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A SUITABLY QUALIFIED EROSION AND SEDIMENT CONSULTANT FOR THE DURATION OF THE CONTRACT WITH THE EXPERTISE IN DESIGNING AND DOCUMENTING THE CONTROLS TO ALLOW THE INSTALLATION AND MAINTENANCE OF THE

EROSION AND SEDIMENT CONTROLS. SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR REQUIRED TO SUIT THE CONSTRUCTION STAGING 2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH

- a. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004. b. LOCAL AUTHORITY REQUIREMENTS c. EPA REQUIREMENTS
- 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 / INSTALLED AS DIRECTED BY THE CONTRACTORS EROSION AND SEDIMENT CONTROL CONSULTANT. CONTINUED ABO

Client

# **EROSION AND SEDIMENT CONTROL** NOTES

#### CONTINUED FROM BELOW SEDIMENT 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.
- 0. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- . WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- 2. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

## OTHER MATTERS

- 3. 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.

# STAGING

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS. THROUGHOUT THE FULL TERM OF THE CONTRACT. WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, DOCUMENTING, INSTALLING AND MAINTAINING THE SEDIMENT AND EROSION CONTROLS REQUIRED TO SUIT THE SELECTED CONSTRUCTION STAGING. THIS IS TO BE DOCUMENTED IN THE FORM OF A SOIL AND WATER MANAGEMENT PLAN TO BE DEVELOPED BY THE CONTRACTOR AND THEIR EROSION ND SEDIMENT CONSULTANT AND PROVIDED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCEMENT

SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT, PENRITH CITY COUNCIL'S SPECIFICATIONS AND THE OFFICE OF ENVIRONMENT AND HERITAGE'S 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION. LANDCOM, (4TH EDITION) MARCH 2004 (REPRINTED 2006) (THE "BLUE BOOK"). VOLUME 1 AND VOLUME 2.

# **EARTHWORKS NOTES**

- WHERE EARTHWORKS ARE TO BE CONSTRUCTED ON OR AGAINST ANY EMBANKMENTS OR AGAINST ANY SLOPES AND THE EMBANKMENT/SLOPE IS STEEPER THAN 10(H):1(V) IN ANY DIRECTION, THE CONTRACTOR SHALL CUT TERRACES INTO THE SLOPE TO A MINIMUM DEPTH OF 300mm, EXCEPT WHERE SLOPES ARE STEEPER THAN 4(H):1(V) WHERE, MINIMUM DEPTH SHALL BE 600mm, TO ALLOW ADEQUATE KEY AND COMPACTION OF MATERIAL.
- 2. THE CONTRACTOR SHALL PRODUCE A MATERIAL TRACKING REGISTER FOR ALL IMPORT AND EXPORT MATERIAL INCLUDING DEMOLITION WASTE. FOR INSTANCES WHERE CONTAMINATED MATERIAL IS EXPORTED FROM THE SITE, THE CONTRACTOR SHALL ENSURE A CHAIN OF CUSTODY REPORT AND CERTIFICATES ARE PROVIDED FOR THE CONTAMINATED MATERIAL

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



Scales		Drawn	MH	Proj
		Designed	MH	
Grid	GDA2020	Checked	DS	
Height Datum	AHD	Approved	DS	
Datam				Title



# **DESIGN & CERTIFICATION** REQUIREMENTS

THE CONTRACTOR IS TO PROVIDE STRUCTURAL CERTIFICATION ON ALL STRUCTURAL ELEMENTS, INCLUDING DESIGN CERTIFICATION AND FINAL CONSTRUCTION CERTIFICATION. THIS INCLUDES:

- ALL RETAINING WALLS
- CULVERTS EXCLUDING BASE SLABS
- HEADWALLS STORMWATER STRUCTURES
- ALL STRUCTURAL CERTIFICATES MUST BE PREPARED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER.

# CONSTRUCTION SPECIFICATION

- . THESE DRAWINGS SHOULD BE READ IN CONJUCTION WITH PENRITH CITY COUNCIL'S LATEST REVISION OF THE 'ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS'
- WHERE THERE IS A CONFLICT THE FOLLOWING IS TO OCCUR 2.1. NOTIFY THE DESIGN ENGINGEER AND/OR SUPERINTENDENT 2.2. THE PENRITH CITY COUNCIL'S SPECIFICATION TAKES PRECEDENCE
- REFER PELLS SULLIVAN MEYNINK REPORT PSM3739-006S REV 6 (DATED 13 OCT 2020) FOR BULK EARTHWORKS SPECIFICATIONS.
- REFER SITE IMAGE LANDSCAPE SPECIFICATION (CURRENT REVISION) FOR LANDSCAPE SPECIFICATION.



Subject to the conditions outlined in the consent

COUNCIL DOE

THE ACCURAC OF DETAILS IN PLANS

NOT ATTEST



# OVERALL LEGEND - COMBINED

	EXISTING BOUNDARY
60.0	EXISTING CONTOUR
	PROPOSED BOUNDARY PROPOSED EASEMENT
	FUTURE BOUNDARY
	BATTER
F 48.81 ●	PROPOSED SURFACE LEVE
47.80	STAGE 1A CONTOUR (0.2m INTERVAL) PROPOSED MAJOR CONTOUR (1.0m INTERVAL)
<u> </u>	PROPOSED MINOR CONTOUR (0.20m INTERVAL)
K&G	KERB AND GUTTER (REFER PCC DWG. SD1003/1)
	PRAM RAMP (REFER PCC DWG. SD1002)
	VEHICLE CROSSOVER COMMERCIAL (REFER PCC DWG. SD1004)
	STAGE 1A STORMWATER BOX CULVERT
	REFER TO 7000 SERIES DRAWINGS FOR DETAILS. STAGE 1A STORMWATER PIPE
	REFER TO 7000 SERIES DRAWINGS FOR DETAILS STORMWATER BOX CULVERT (NUMBERED CELLS
1 6	(REFER TO DRAWINGS C9101 & C9102).
	STORMWATER PIPE (REFER TO DRAWINGS C9101 & C9102).
	KERB INLET PIT (REFER TO DRAWINGS C9101 & C9102).
	SURFACE INLET PIT (REFER TO DRAWINGS C9101 & C9102).
	JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
>	SUBSOIL DRAINS WITH FLUSHING POINTS
S	REFER QALCHEK DRAWINGS FOR DETAILS PROPOSED GRAVITY SEWER
O	PROPOSED GRAVITY SEWER MANHOLE REFER QALCHEK DRAWINGS FOR DETAILS
0	PROPOSED GRAVITY SEWER MAINTENANCE SHA REFER QALCHEK DRAWINGS FOR DETAILS
	PROPOSED STREET LIGHT REFER EDGEWATER DRAWINGS FOR DETAILS
	PROPOSED STREET TREE (REFER TO LANDSCAPE ARCHITECT'S DRAWINGS
	FOR FINAL TREE LOCATIONS AND DETAILS PROPOSED CATCHMENT
	(REFER TO DRAWINGS C9211 & C9212). FLOW DIRECTION
	(REFER TO DRAWINGS C9211 & C9212). FENCE TYPE 1
	(REFER TO DRAWINGS C9211 & C9212).
//	EXISTING FENCE TYPE 1 REFER 8000 SERIES DRAWINGS FOR DETAILS
=//==//=	EXISTING FENCE TYPE 4 REFER 8000 TO SERIES FOR DETAILS.
<u> </u>	EXISTING FENCE TO BE REMOVED (REFER TO DRAWINGS C9451 & C9452).
BB	BARRIER LINES (REFER TO DRAWINGS C9151 & C9152).
C3	CLEARWAY LINE (REFER TO DRAWINGS C9151 & C9152).
T <u>B</u> /T <u>B</u> 1	GIVEWAY LINES (REFER TO DRAWINGS C9151 & C9152).
L1	LINEMARKING TYPE
	(REFER TO DRAWINGS C9151 & C9152).
STOPPING	PROPOSED SIGN (REFER TO DRAWINGS C9151 & C9152).
R5-400 A	PROPOSED SIGN POST LOCATION
	(REFER TO DRAWINGS C9151 & C9152).
NO STOPPING	EXISTING SIGN STAGE 1A REFER TO 7000 SERIES DRAWINGS FOR DETAILS
	EXISTING SIGN POST LOCATION STAGE 1A REFER TO 7000 SERIES DRAWINGS FOR DETAILS

# PAVEMENT LEGEND

 <u>ROAD 2</u> 70mm	PAVEMENT THICKNESS AC14 (C450, E=2700 Mpa) ON	
7mm	SPRAYED SEAL (CL170)	
	THICKNESS UNBOUND BASECOURSE (R71, TfNSW3051,	
	E=350MPa) ON	
150mm	THICKNESS UNBOUND SUB-BASECOURSE (R71, TfNSW3051, E=250MPa) ON	
370mm	THICKNESS SELECT MATERIAL ZONE (R44, CBR 15%) ON	
	COMPACTED SUBGRADE MIN CBR 3%. IF SUBGRADE < 3% MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS).	PAVEM
		ASSUMED
75mm		ASSUMED
/ 50000	THICKNESS AC14 (A15E BINDER (SBS PMB MODIFIED BINDER), E = 2000 MPa) on	WITH COU
7mm	SPRAYED SEAL (CL170) ON	IF SUBGR/
150mm	THICKNESS UNBOUND BASECOURSE (R71, TfNSW3051, E=350MPa) ON	NOTES
150mm	THICKNESS UNBOUND SUB-BASECOURSE (R71, TfNSW3051, E=250MPa) ON	- REFE
370mm	THICKNESS SELECT MATERIAL ZONE (R44, CBR 15%) ON	- ALL F
•••••	COMPACTED SUBGRADE MIN CBR 3%. IF SUBGRADE < 3%	STAT
	- MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS).	SPEC
		- THE (
125mm	THICKNESS CONCRETE WITH SL72 (40mm PLACED CENTRALLY) ON	WITH
30mm	THICKNESS SAND BEDDING OR GRANULAR BASE ON	CONF
	COMPACTED SUBGRADE.	SPEC
	(REFER TO PENRITH CITY COUNCIL STANDARD DWG	- WHE
	SD1001 FOR JOINTING DETAILS).	REQU
	SLIP-FORM CYCLE WAYS MUST BE CONSTRUCTED IN	STAB
	ACCORDANCE WITH PENRITH CITY COUNCIL	
	ENGINEERING CONSTRUCTION SPECIFICATION.	MININ

			Bar Scales
1	ISSUED FOR CONSTRUCTION	31-03-23	
В	ISSUED FOR SWC APPROVAL	30-03-23	
А	ISSUED FOR SWC APPROVAL	10-03-23	
Issue	Description	Date	
	100mm on Original		

LANDSCAPED TREATMENT
REFER LANDSCAPE ARCHITECT DOCUMENTATION FOR
DETAILS.

LANDSCAPED TEMPORARY BATTER REFER LANDSCAPE ARCHITECT DOCUMENTATION FOR DETAILS. ALL BATTERS TO BE TREATED WITH POLYMER BASED SEDIMENT CONTROL PRODUCT

MENT DESIGN CRITERIA: D ESA = 1.3x10<sup>7</sup>

CBR = 3.0% ; CBR TO BE CONFIRMED ON SITE IN ACCORDANCE UNCIL SPECIFICATIONS RADE < 3% - MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS)

ER PSM3739-039L FOR PAVEMENT DESIGN DETAILS AND SPECIFICATIONS

PAVEMENT MATERIALS ARE TO SATISFY THE REQUIREMENTS OF THOSE ATED WITHIN THESE DRAWINGS AND PENRITH CITY COUNCIL'S ECIFICATIONS, WHICHEVER IS GREATER.

E CONTRACTOR IS TO ARRANGE FOR SAMPLING OF THE SUBGRADE THIN ROADS, TO CONFIRM CBR AND PROVIDE A GEOTECHNICAL REPORT NFIRMING THE PAVEMENT COMPOSITION IN COMPLIANCE WITH PCC'S ECIFICATION, SUPPORTED BY NATA ACCREDITED TEST RESULTS.

ERE CBR RESULTS ARE LESS THAN 3% AND INSITU LIME STABILISATION IS QUIRED, CBR SAMPLING IS TO BE COMPLETED POST INSITU LIME ABILISATION TO CONFIRM RESULTANT CBRS HAVE REACHED THE VIMUM 3% REQUIREMENT. A GEOTECHNICAL REPORT, SUPPORTED BY NATA ACCREDITED TEST RESULTS SHALL BE PROVIDED FOR VALIDATION.

		CONSTRUCTIO	N TOLERANCES			
	BULK EA	ARTHWORKS	PA	VEMENT,	ACCESS TR	ACKS
EARTHWORKS	-50mm / +0mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND	CONCRETE			
		TRIMMING)	KERB	-5mm / +5mm	ALONG THE TOP OF K	ERB OVER A LENGTH OF 5 METRES
			KERB	-5mm / +5mm	ALONG THE FACE OF I	KERB OVER A LENGTH OF 5 METRES
STORMWATER PIPES/CULVERTS	WITHIN 20mm	OF THE DESIGN INVERT LEVEL AT ANY POINT	PATH	-0mm / +10mm	,	D PATH FINISHED SURFACE LEVEL
PIPES/CULVERTS	WITHIN 100mm	OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT	PATH	SURFACE OF THE F	ATH, INCLUDING JOINT	S, MUST NOT POND WATER.
HEADWALLS	WITHIN 20mm	OF THE DESIGN INVERT LEVEL AT ANY POINT				
HEADWALLS	WITHIN 100mm	OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT	VERGE			
CHAMBERS	WITHIN 20mm	OF THE INVERT LEVEL SHOWN ON THE DRAWINGS	TURF	-10mm / +0mm		ED SURFACE LEVEL (AFTER
CHAMBERS	WITHIN 200mm	LONGITUDINALLY OF THE PLAN POSITION, WITH REFERENCE TO THE CONTROL LINE FOR THE ROAD SHOWN ON THE DRAWINGS		10 / 0	KERBS, ETC)	
LINTELS	AS PER THE TOLER	ANCES SPECIFIED FOR THE ADJOINING MATERIAL	MULCH -10mm / +0mm OF PAVEMENT FINISHE COMPACTION) TO THE KERBS, ETC)		ED SURFACE LEVEL (AFTER E ADJOINING MATERIAL (FOOTPATHS	
			RETAINING / NOISE WALLS			
COVERS	AS PER THE TOLER	ANCES SPECIFIED FOR THE ADJOINING MATERIAL	WALL	-20mm / +20mm	FROM ANY POINT ON DEVIATE FROM THAT	THE WALL THE LEVEL MUST NOT
GRATES	AS PER THE TOLER	ANCES SPECIFIED FOR THE ADJOINING MATERIAL	WALL	-10mm / +10mm	INCLINATION OF THE	FACE OF THE COMPLETED WALL ROM THE SPECIFIED INCLINATION PE
			WALL	-5mm / +0mm	INCLINATION OF THE	FACE OF THE COMPLETED WALL
OPEN DRAINS	IS	F THE DESIGN LEVEL AT ANY POINT PROVIDED THAT THERE A CONTINUOUS DOWNGRADE (WITHOUT PONDING) IN			MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION METER HEIGHT (PANEL WALL) FLATNESS OF THE FACE OF THE WALL MUST BE SUCH TH	
	TI	HE DIRECTION OF FLOW NOT LESS THAN 0.5% AT ANY POINT	WALL	-20mm / +20mm		TE OF THE WALL MUST BE SUCH THAT ATION FROM A 4.5 M STRAIGHT EDGE
	PAVEMENT ,	ACCESS TRACKS	TOLERANCE FOR	EMBANKI	MENT BATT	ERS
SUBBASE	-10mm / +10mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)	LOCATION	TOLERANCE (I	mm)	1
SUBBASE	-10mm / +0mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)	AT LEVEL OF TOP OF FORMATION/	SLOPE 1H:1V	OR FLATTER	SLOPE STEEPER THAN 1H:1V
SUBBASE	-5mm / +5mm	ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES	UNDERSIDE OF PAVEMENT BETWEEN TOP OF FORMATION AN	+0/-150		+0/-150 +150/-150
BASECOURSE	-0mm / +20mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)	1m BELOW TOP OF FORMATION BEYOND 1m BELOW TOP OF	+300/-300		+300/-300
BASECOURSE	-0mm / +10mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)	FORMATION REFER TO TFNSW R44 SPECIFICAT			
BASECOURSE	-5mm / +5mm	ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES				
SEAL	-0mm / +10mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER ROLLING AGGREGATE)				
SEAL	-5mm / +10mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION				
SEAL	SURFACE OF THE O JOINTS, MUST NO	COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE T POND WATER.				
ASPHALT	-0mm / +10mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION)	]			
ASPHALT	-5mm / +5mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION				
ASPHALT	-8mm / +8mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE COMPLETION OF THE DEFECT LIABILITY PERIOD				
ASPHALT	SURFACE OF THE O	COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE T POND WATER.				

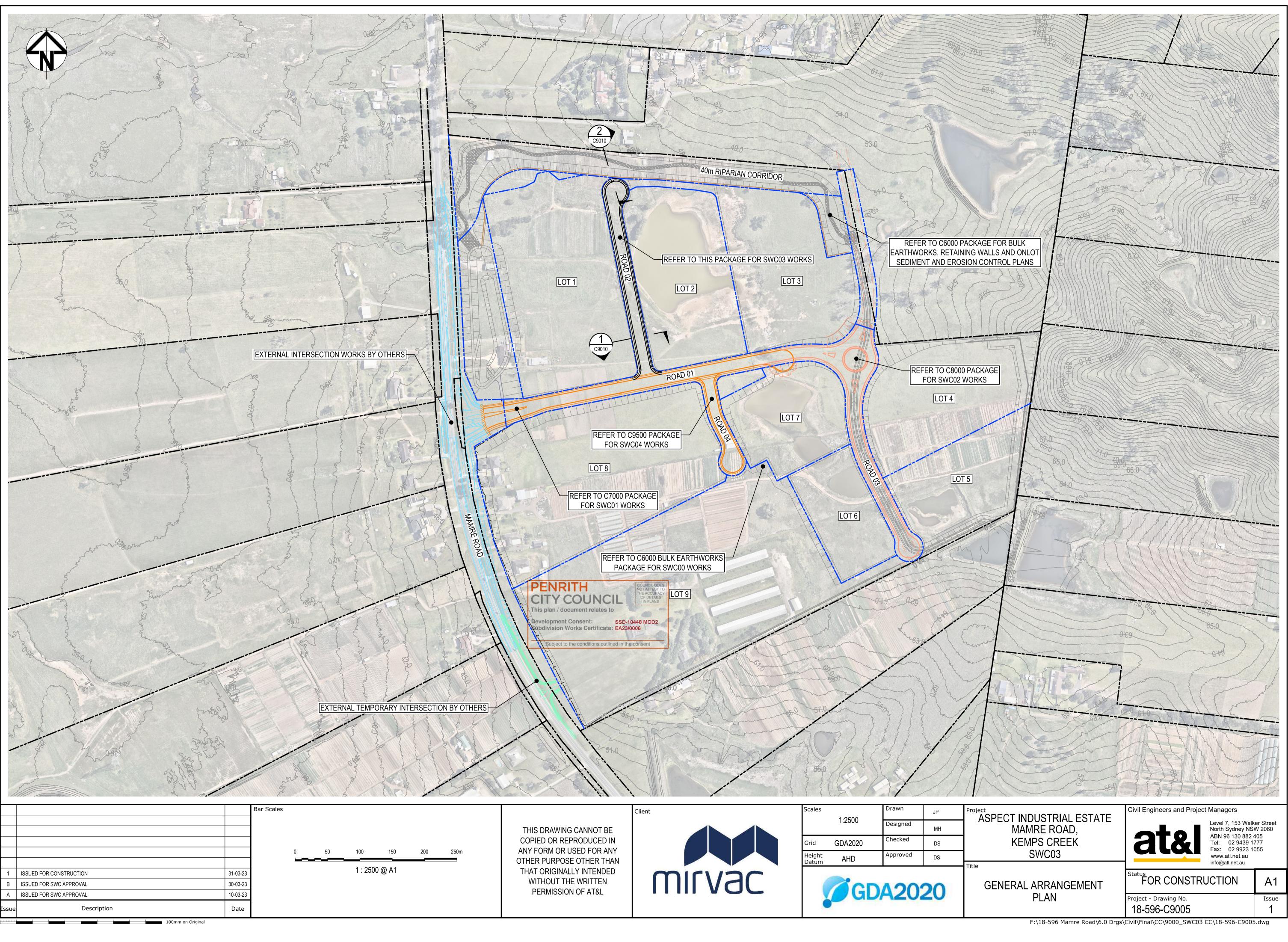


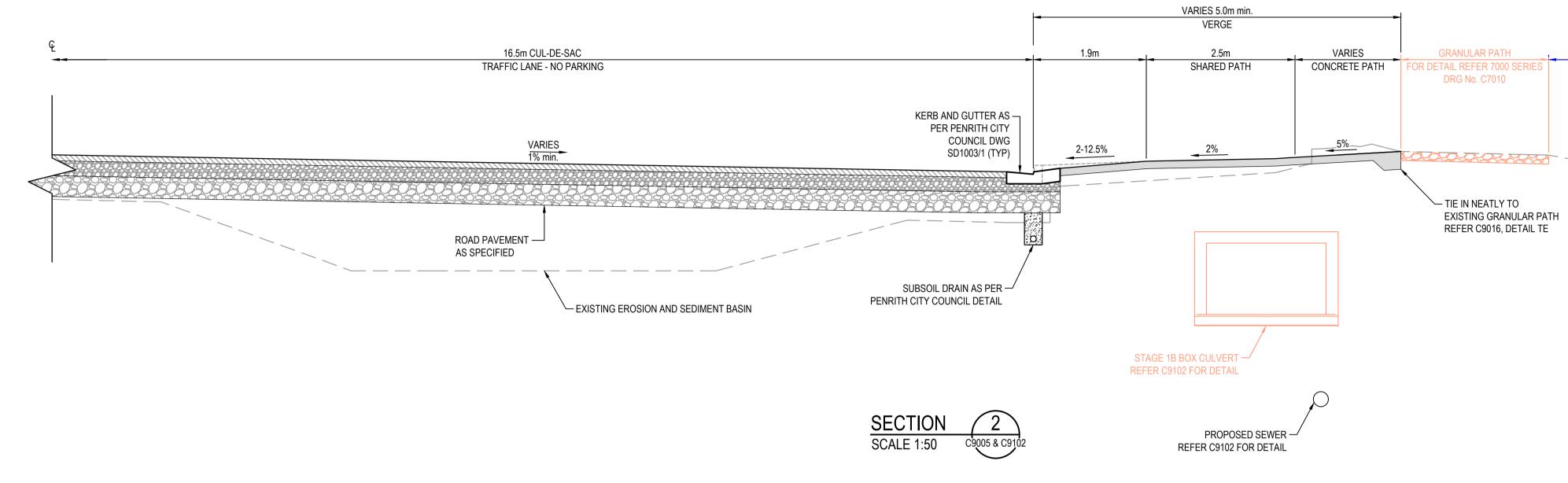


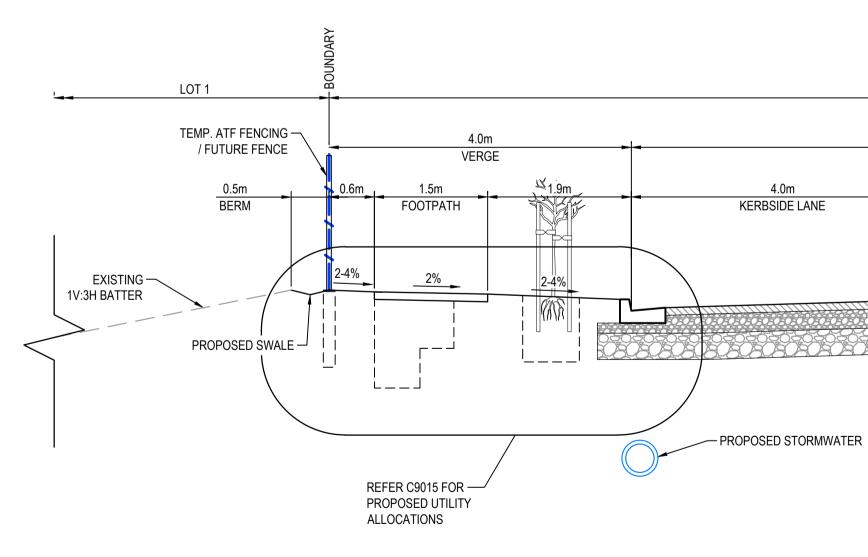
NOTES AND LEGENDS
SHEET
SHEET 2

Project - Drawing No. Issue 18-596-C9003

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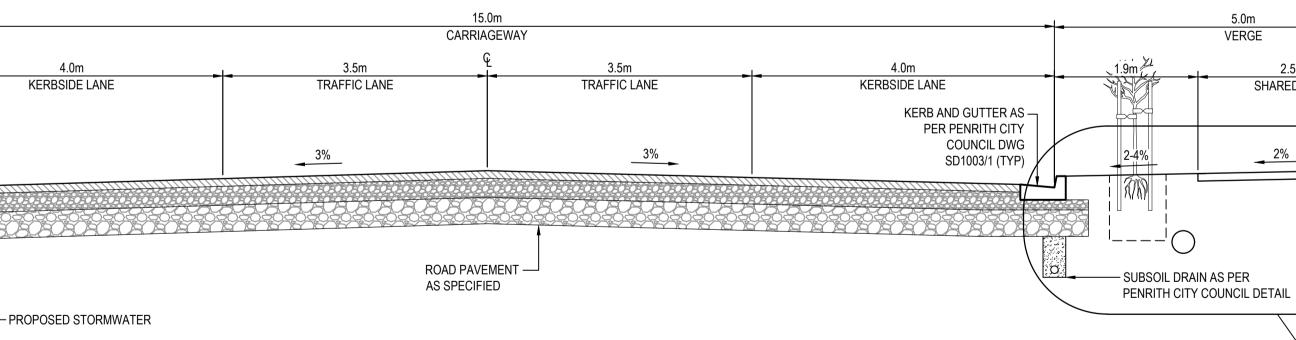






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В	ISSUED FOR SWC APPROVAL	30-03-23							
А	ISSUED FOR SWC APPROVAL	10-03-23							
Issue	Description	Date							





24.0m

ROAD 04

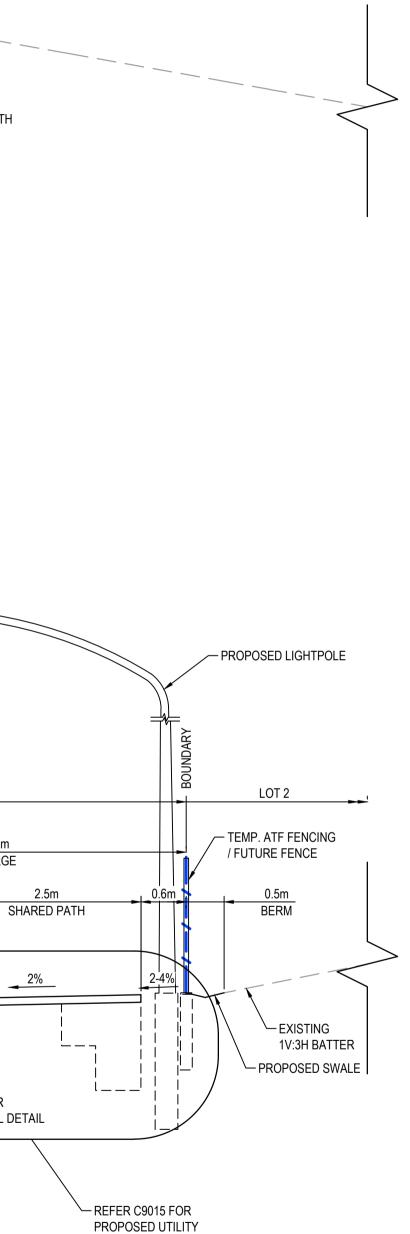
SECTION

SCALE 1:50

C9005 & C910



Subject to the conditions outlined in the consent



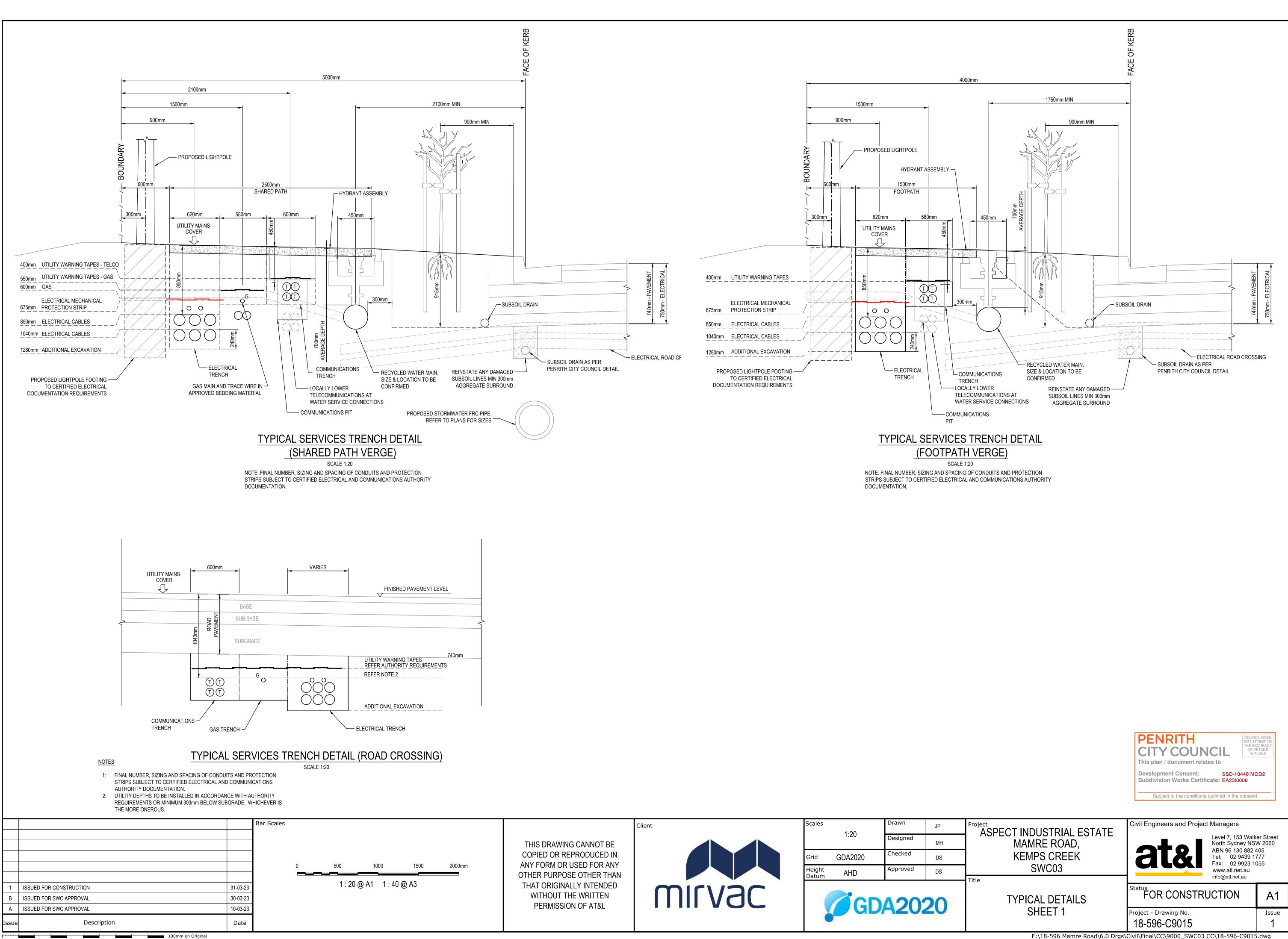
ALLOCATIONS

BATTER AND RIPARIAN CORRIDOR

REFER 6000 SERIES

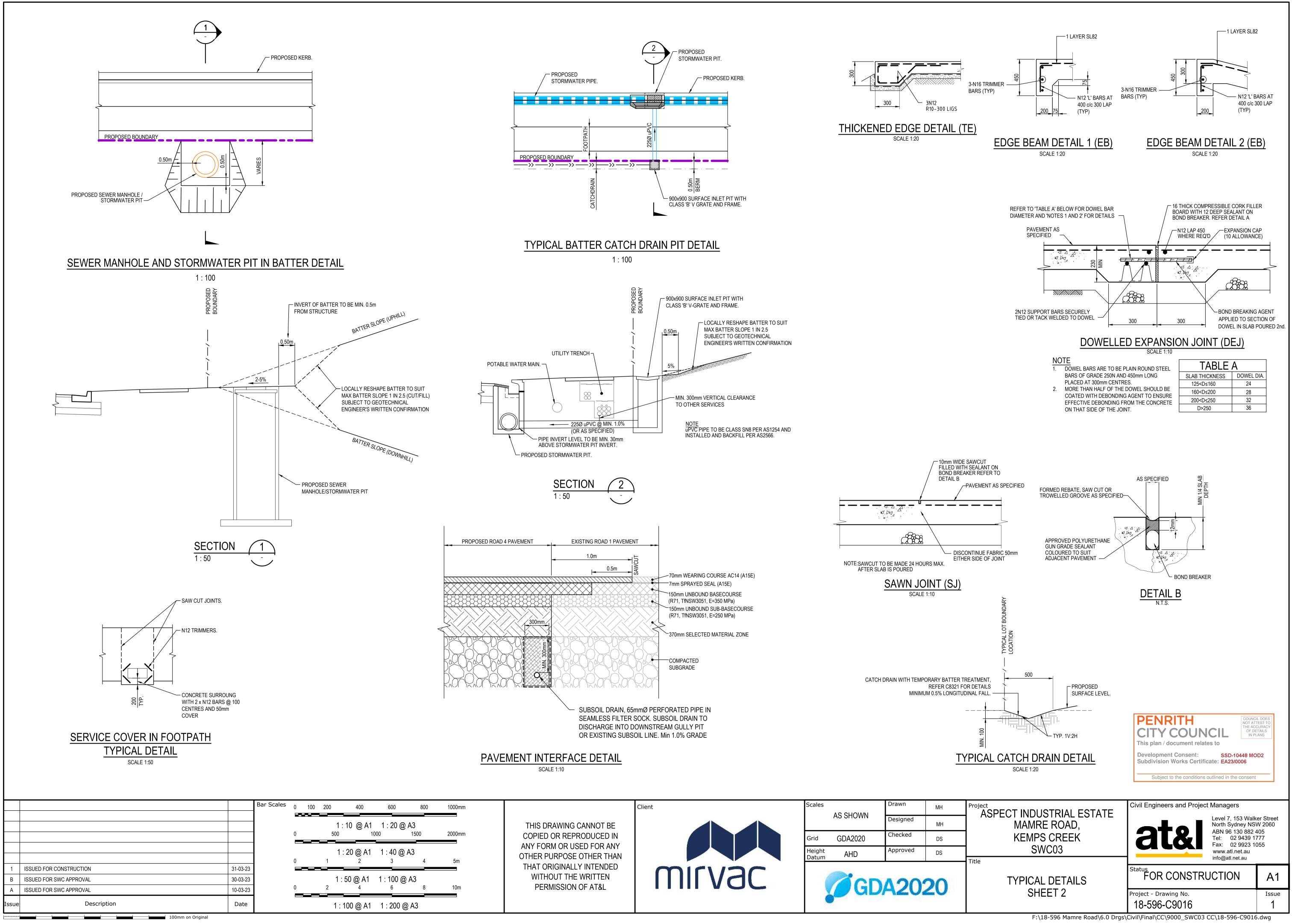
ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK SWC03	Civil Engineers and Project Managers Level 7, 153 Walker Stre North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au	
TYPICAL ROAD SECTION	N Status FOR CONSTRUCTION	
	Project - Drawing No. 18-596-C9010	Issue 1

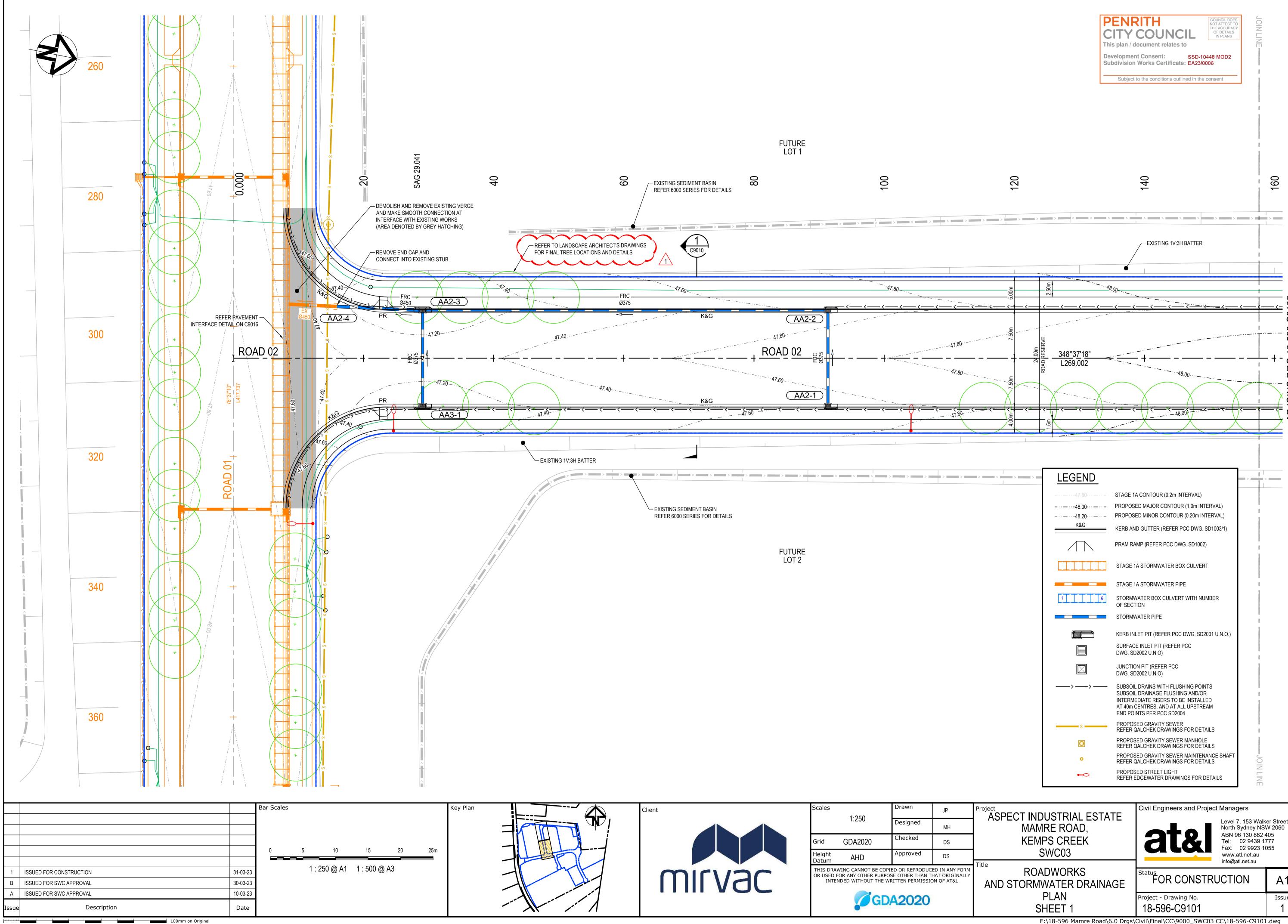
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ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN		Height AHD Datum AHD	Approved	DS	
THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	MILAS	GD	A20	20	- Title

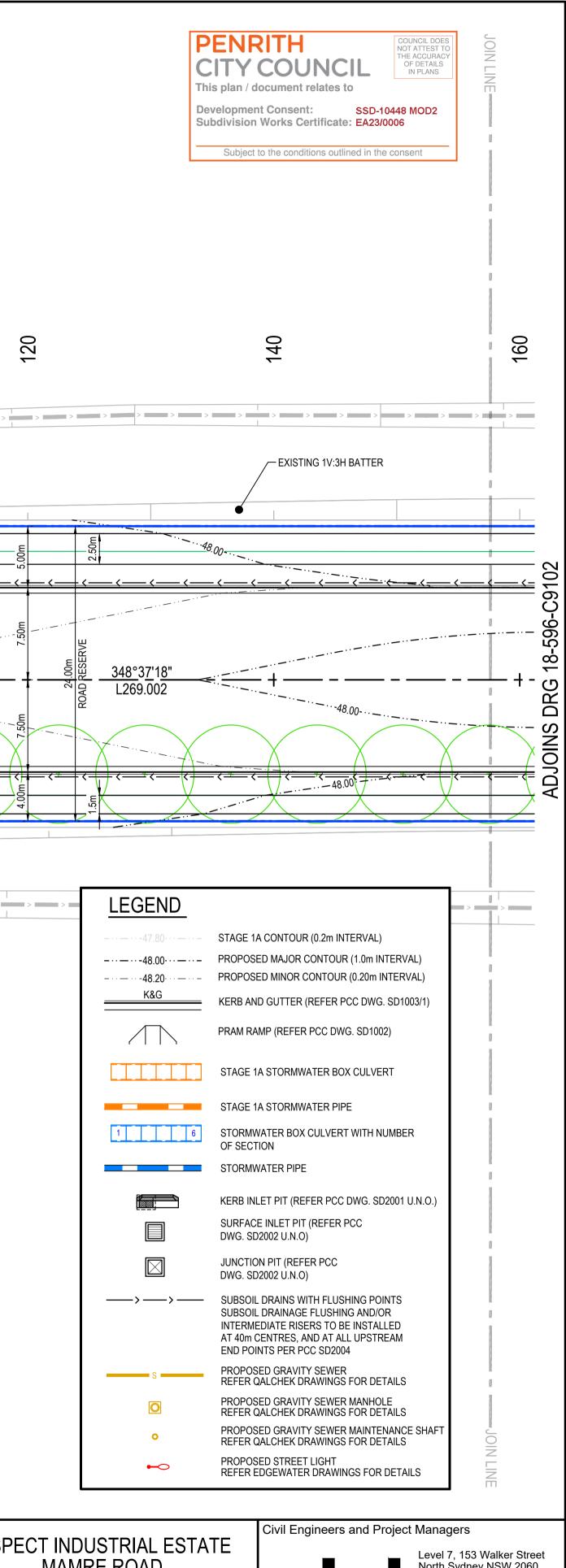
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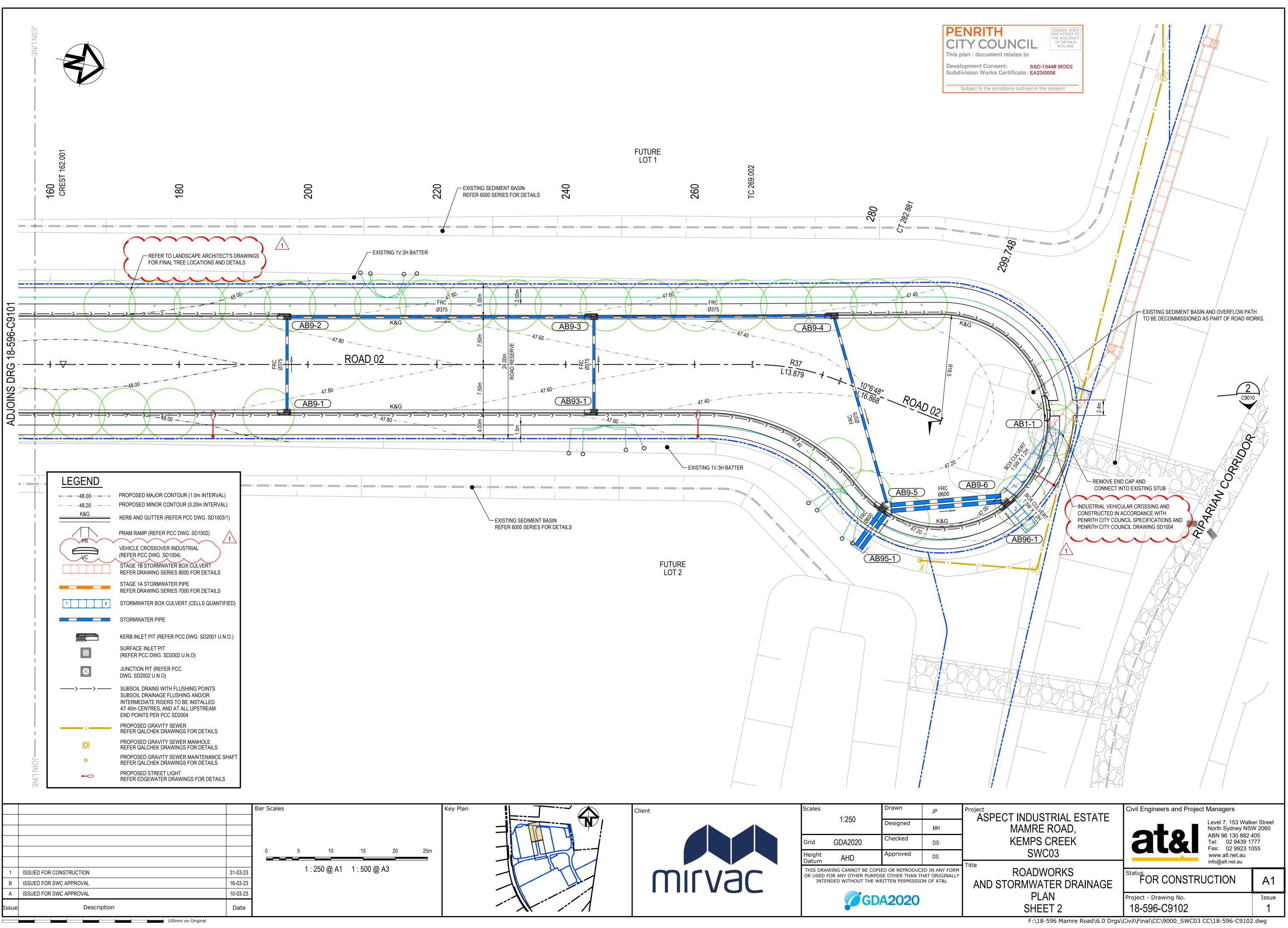
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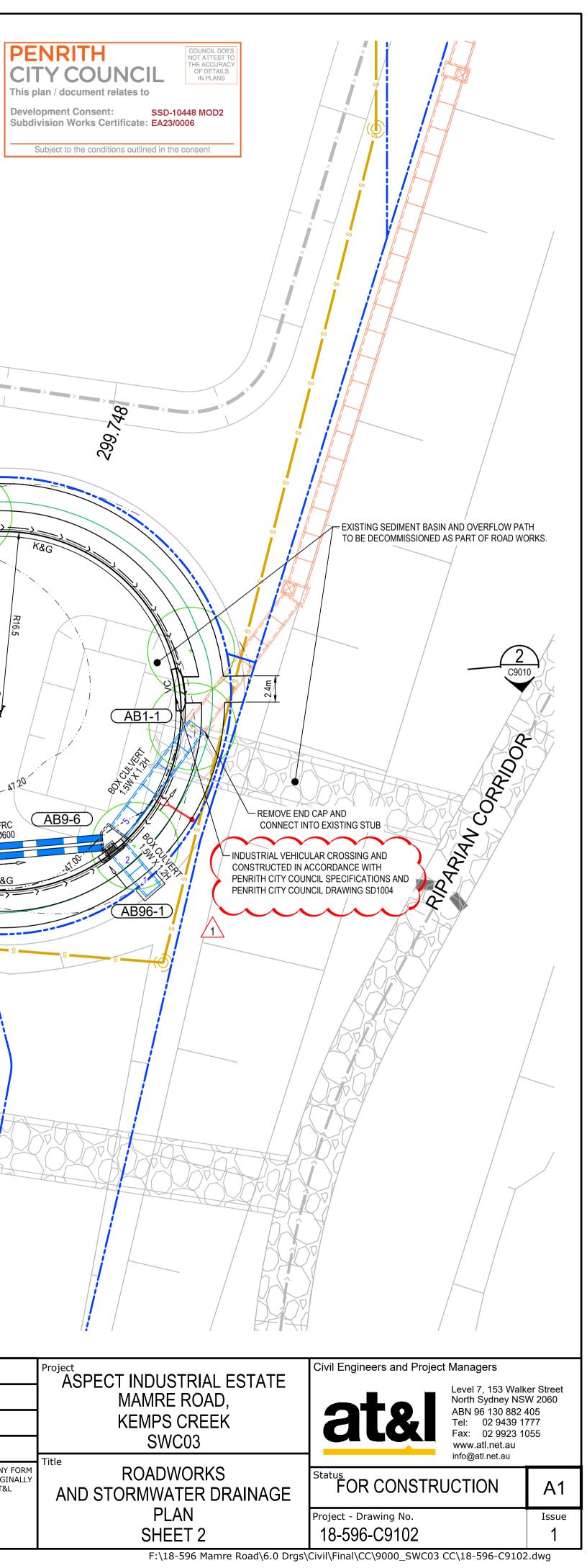


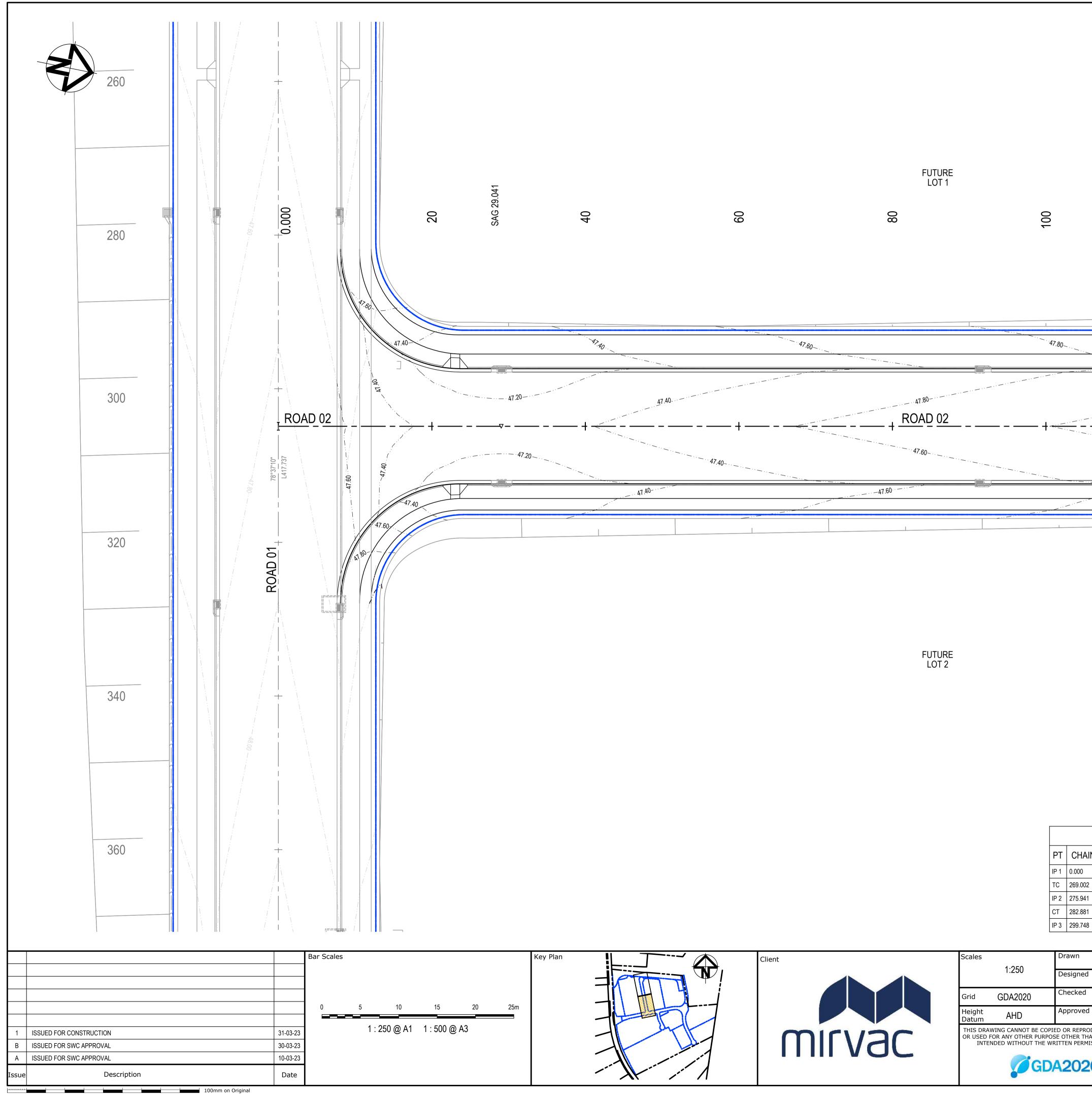


ASPECT INDUSTRIAL ESTATE MAMRE ROAD,	Civil Engineers and Project Managers Level 7, 153 Walk North Sydney NSV ABN 96 130 882 4	N 2060
KEMPS CREEK SWC03	ABN 96 130 882 4 Tel: 02 9439 17 Fax: 02 9923 10 www.atl.net.au info@atl.net.au	777
	FOR CONSTRUCTION	A1
PLAN	Project - Drawing No.	Issue
SHEET 1	18-596-C9101	1

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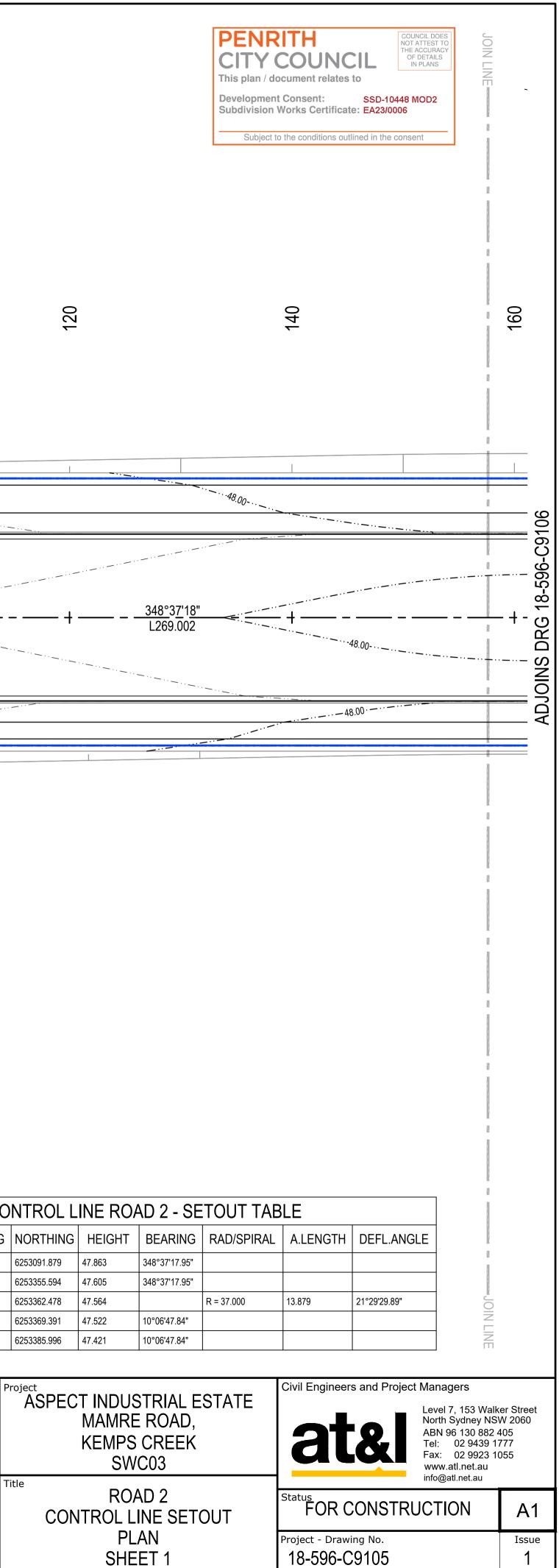


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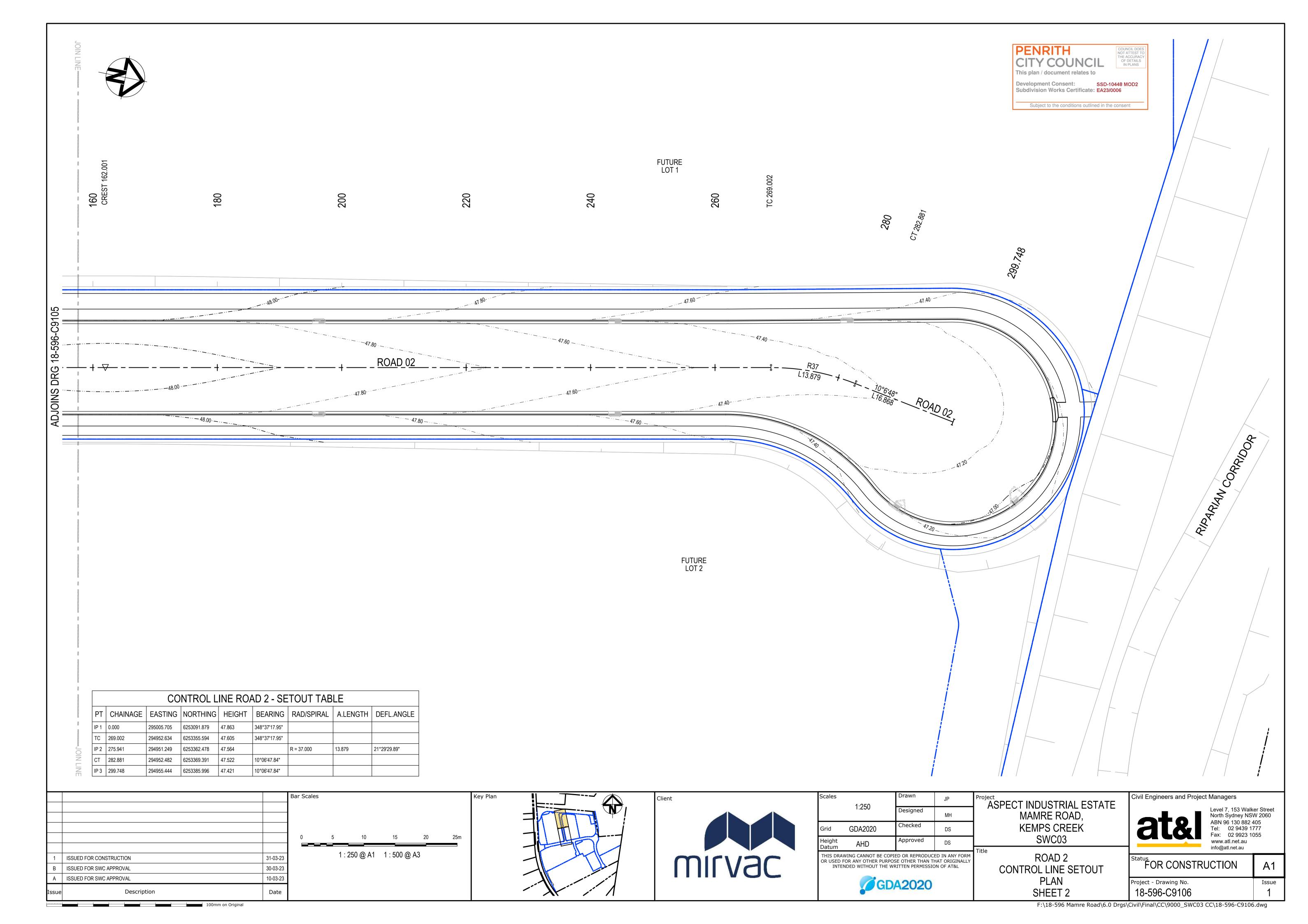
		CO	N٦
PT	CHAINAGE	EASTING	NC
IP 1	0.000	295005.705	625
тс	269.002	294952.634	625
IP 2	275.941	294951.249	625
СТ	282.881	294952.482	625
IP 3	299.748	294955.444	625

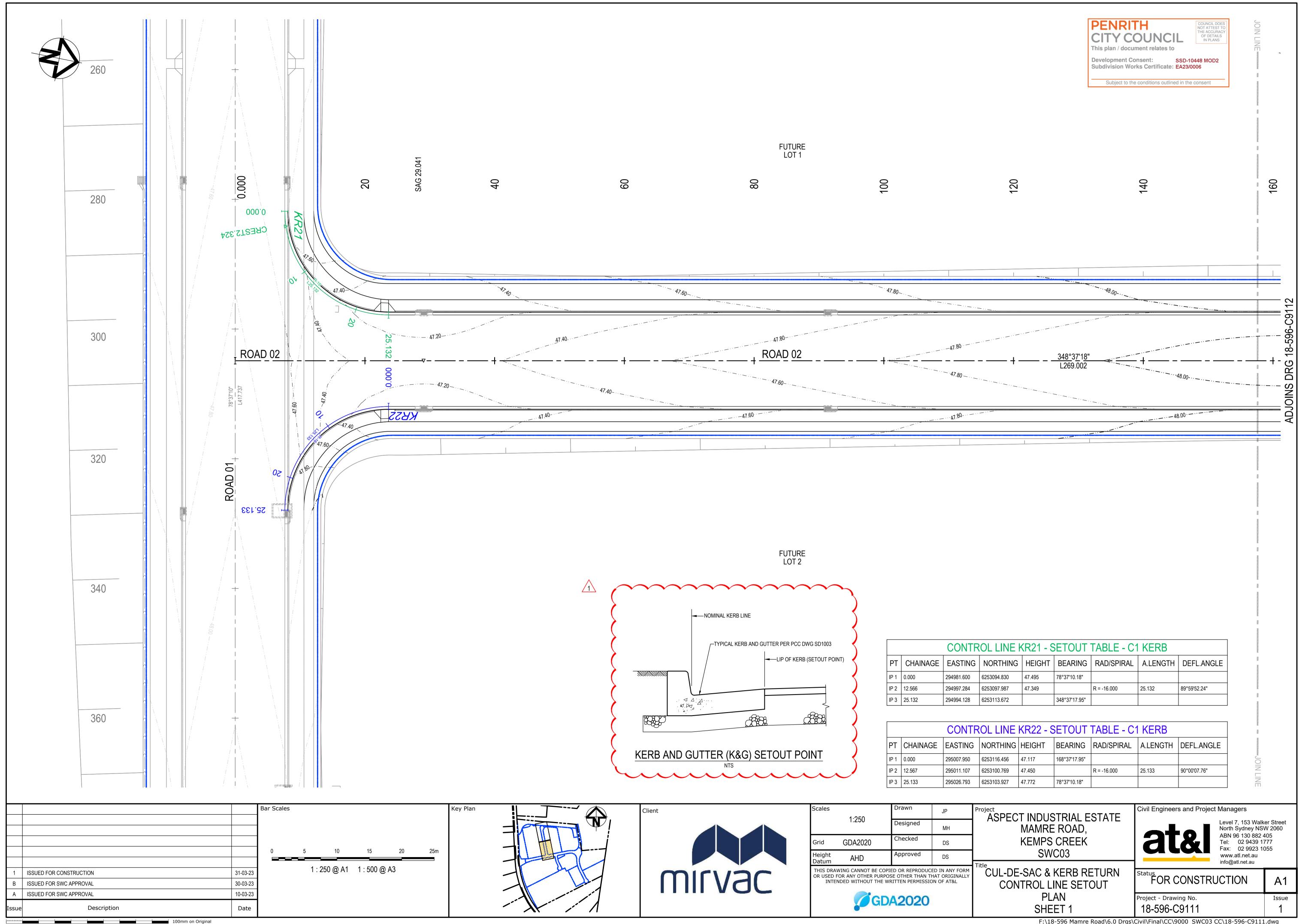
47.40	47.60		47.80_
47.40			47.80
		47.60-	47.80
	**.40		
47.40-		.7.60	47.80

		FUTURE LOT 1	
40	60	80	100

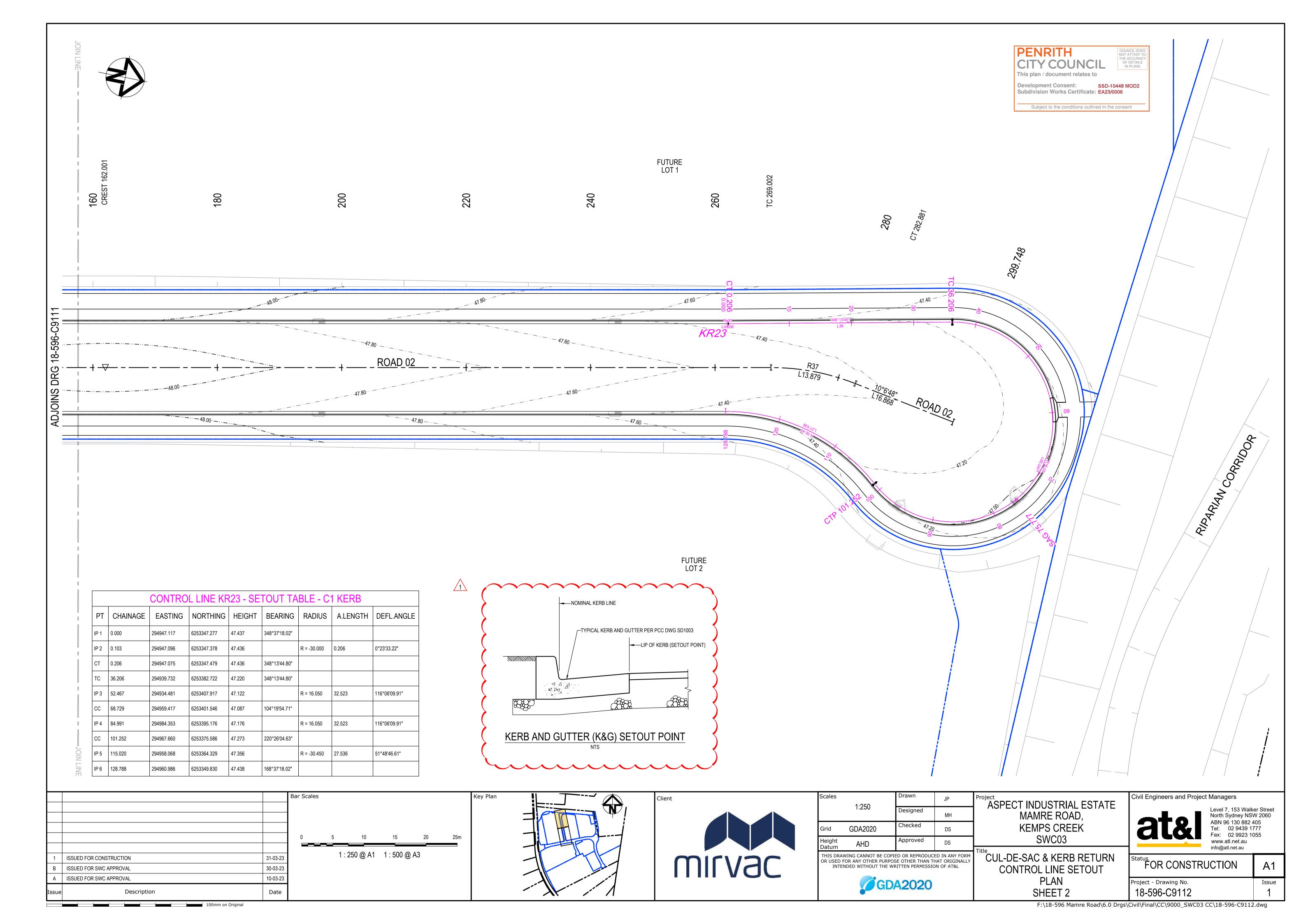


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		/	I.P.= 47.181 -M.O.= 0.155		I.P.= 47,485 −M.O.= -0.016							+ CREST P				
				SAG												
HORIZONTAL																
VC LENGTH			29.5m VC		21.1m V(	<u> </u>					<	35m VC K=29.2				
GRADE	-	-3%	><	1.2%	><				0.6%			><				-0.6%
Datum RL40																
PROPOSED SURFACE LEVEL	47.863	47.623	47.366 47.336 47.336	47.358	47.469	47.557	47.677	47.797	47.917	48.037	48.064	48.116	48.061	47.941	47.821	47.701
EXISTING SURFACE LEVEL	47.852	47.615	48.724 48.738 48.773			48.891	48.891	48.891	48.891	48.891	48.891	48.891	48.891	48.891	48.891	48.891
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			Bar Scales						
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					1:5	0 @ A1	1 : 100 @ /	A3	
				0	10	20	30	40	50m
1	ISSUED FOR CONSTRUCTION	31-03-23							
В	ISSUED FOR SWC APPROVAL	30-03-23			1 : 50	0 @ A1	1 : 1000 @	A3	
А	ISSUED FOR SWC APPROVAL	10-03-23				•	C		
Issue	Description	Date							

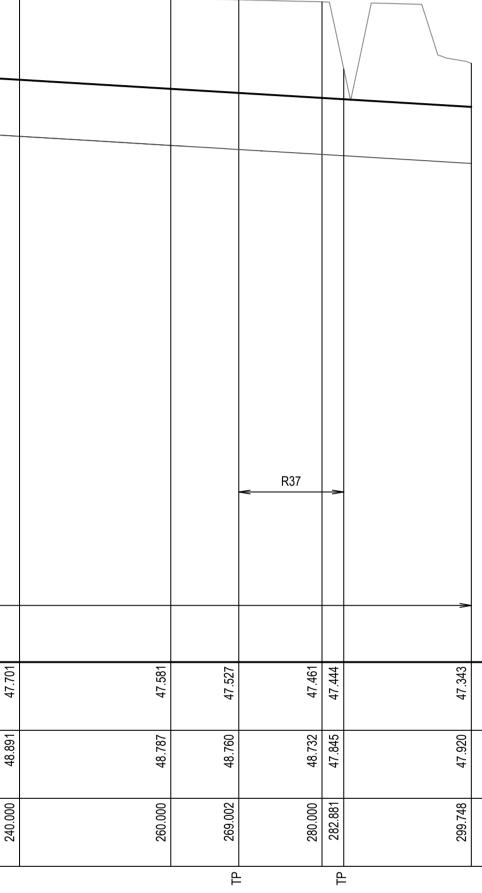
#### ROAD 02 LONGITUDINAL SECTION SCALE 1:500 HORI. 1:50 VERT.





Subject to the conditions outlined in the consent

Subdivision Works Certificate: EA23/0006



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B	ISSUED FOR SWC APPRO						30-03-23 10-03-23							2011	
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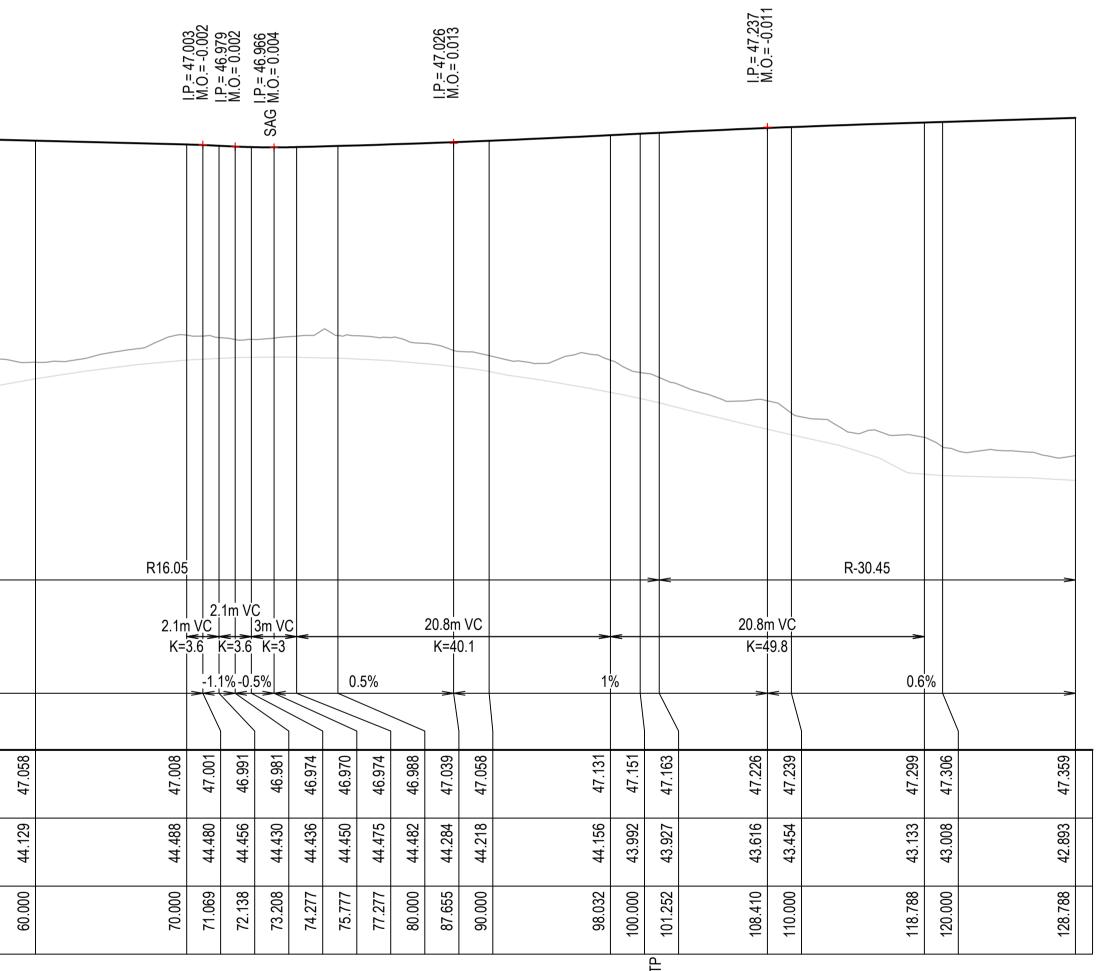
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Scales

# **R23 LONGITUDINAL SECTION** SCALE 1:250 HORI. 1:50 VERT.





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Project - Drawing No.

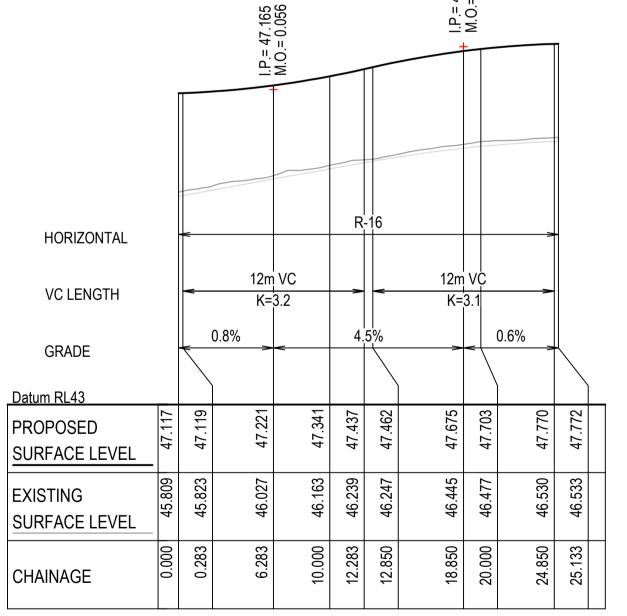
8-596-C9132

**KEMPS CREEK** SWC03 FOR CONSTRUCTION CUL-DE-SAC AND KERB RETURN

LONGITUDINAL SECTIONS

ASPECT INDUSTRIAL ESTATE MAMRE ROAD,

KR22 LONGITUDINAL SECTION SCALE 1:250 HORI. 1:50 VERT. Civil Engineers and Project Managers



KR21 LONGITUDINAL SECTION SCALE 1:250 HORI. 1:50 VERT.

47.734 = -0.05!

Level 7, 153 Walker Street North Sydney NSW 2060

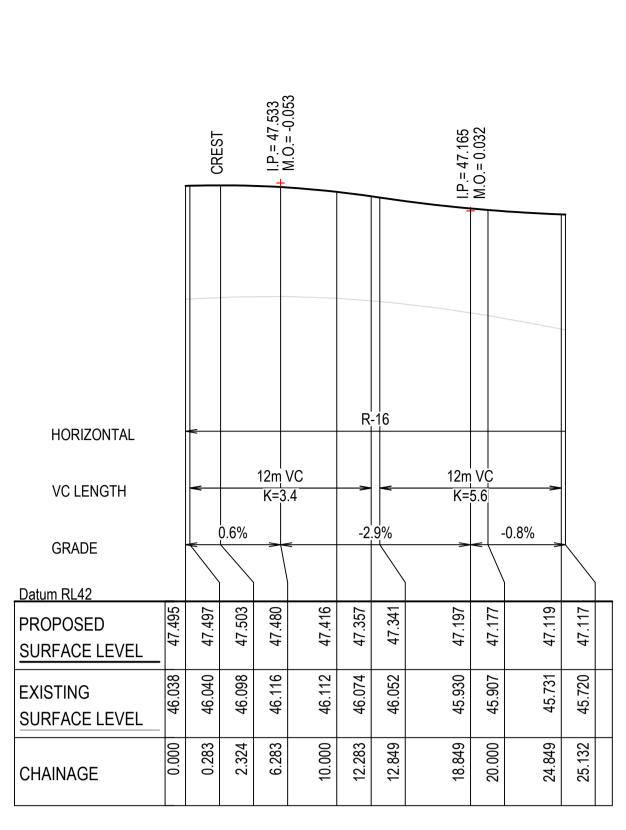
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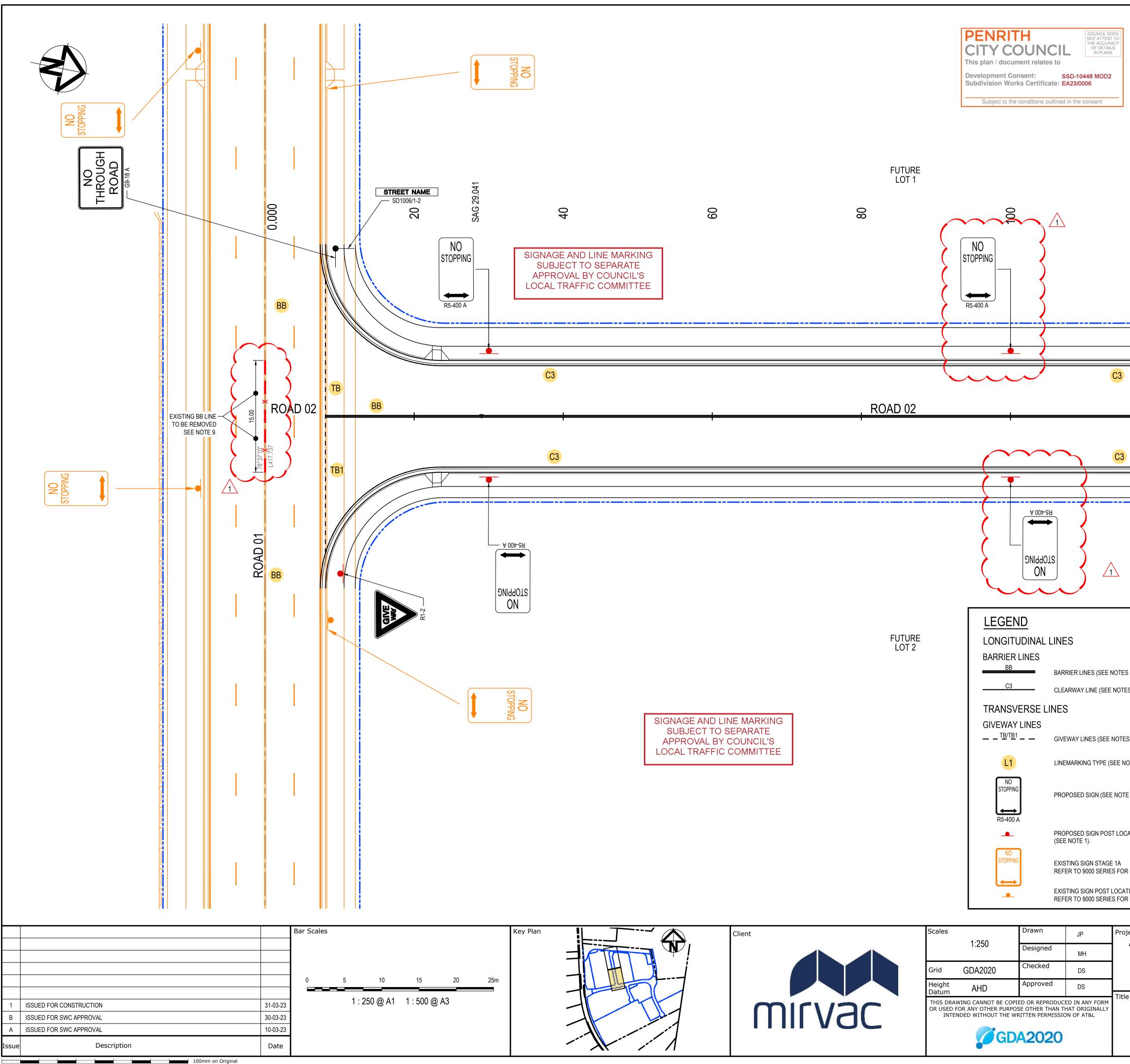
Issue

ABN 96 130 882 405 Tel: 02 9439 1777

Fax: 02 9923 1055

www.atl.net.au info@atl.net.au

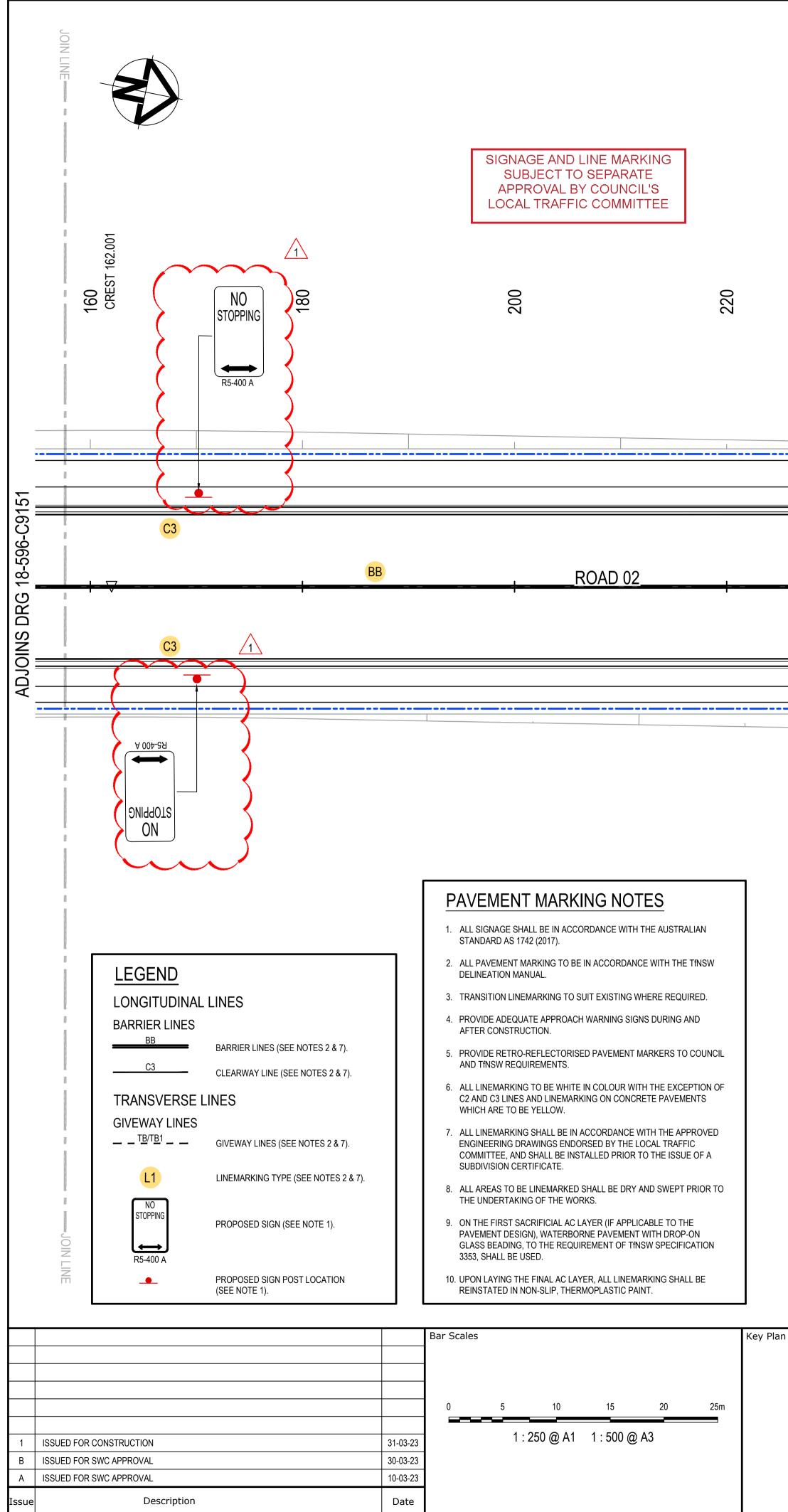






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120		140		160
	<u>348°37'18"</u> L269.002			ADJOINS DRG 18-596-C9152
ES 2 & 7). TES 2 & 7). ES 2 & 7). NOTES 2 & 7). TE 1). CATION CATION PR DETAILS.	<ul> <li>STANDARD AS 1742 (2017).</li> <li>2. ALL PAVEMENT MARKING TO DELINEATION MANUAL.</li> <li>3. TRANSITION LINEMARKING T</li> <li>4. PROVIDE ADEQUATE APPRO AFTER CONSTRUCTION.</li> <li>5. PROVIDE RETRO-REFLECTO AND THE TO SE VELICOV.</li> <li>6. ALL LINEMARKING TO BE WHC2 AND C3 LINES AND LINEM WHICH ARE TO BE YELLOW.</li> <li>7. ALL LINEMARKING SHALL BE ENGINEERING DRAWINGS EN COMMITTEE, AND SHALL BE SUBDIVISION CERTIFICATE.</li> <li>8. ALL AREAS TO BE LINEMARK THE UNDERTAKING OF THE VELICOV.</li> <li>9. ON THE FIRST SACRIFICIAL APAVEMENT DESIGN), WATER GLASS BEADING, TO THE RE 3353, SHALL BE USED.</li> </ul>	CCORDANCE WITH THE AUSTRALIA D BE IN ACCORDANCE WITH THE TR O SUIT EXISTING WHERE REQUIRE ACH WARNING SIGNS DURING AND RISED PAVEMENT MARKERS TO CC ITE IN COLOUR WITH THE EXCEPTI ARKING ON CONCRETE PAVEMENT IN ACCORDANCE WITH THE APPRO NDORSED BY THE LOCAL TRAFFIC INSTALLED PRIOR TO THE ISSUE O CED SHALL BE DRY AND SWEPT PRI WORKS. AC LAYER (IF APPLICABLE TO THE BORNE PAVEMENT WITH DROP-ON QUIREMENT OF TRNSW SPECIFICAT LAYER, ALL LINEMARKING SHALL B HERMOPLASTIC PAINT.	NSW ED. DUNCIL ION OF TS DVED F A OR TO LON SE	
MAN KEM	OUSTRIAL ESTATE RE ROAD, PS CREEK SWC03	Civil Engineers and Projection	t Managers Level 7, 153 Walk North Sydney NSV ABN 96 130 882 4 Tel: 02 9439 17 Fax: 02 9923 10 www.atl.net.au info@atl.net.au	N 2060 405 777
AND SI	ENT MARKING GNPOSTING PLAN	Statu <u>s</u> FOR CONSTRU Project - Drawing No.	UCTION	A1 Issue
	HEET 1	18-596-C9151		1

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an		Client		Scales	1:250	Drawn Designed	JP	Proje
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FUTURE

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NO

STOPPING

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R5-400 A

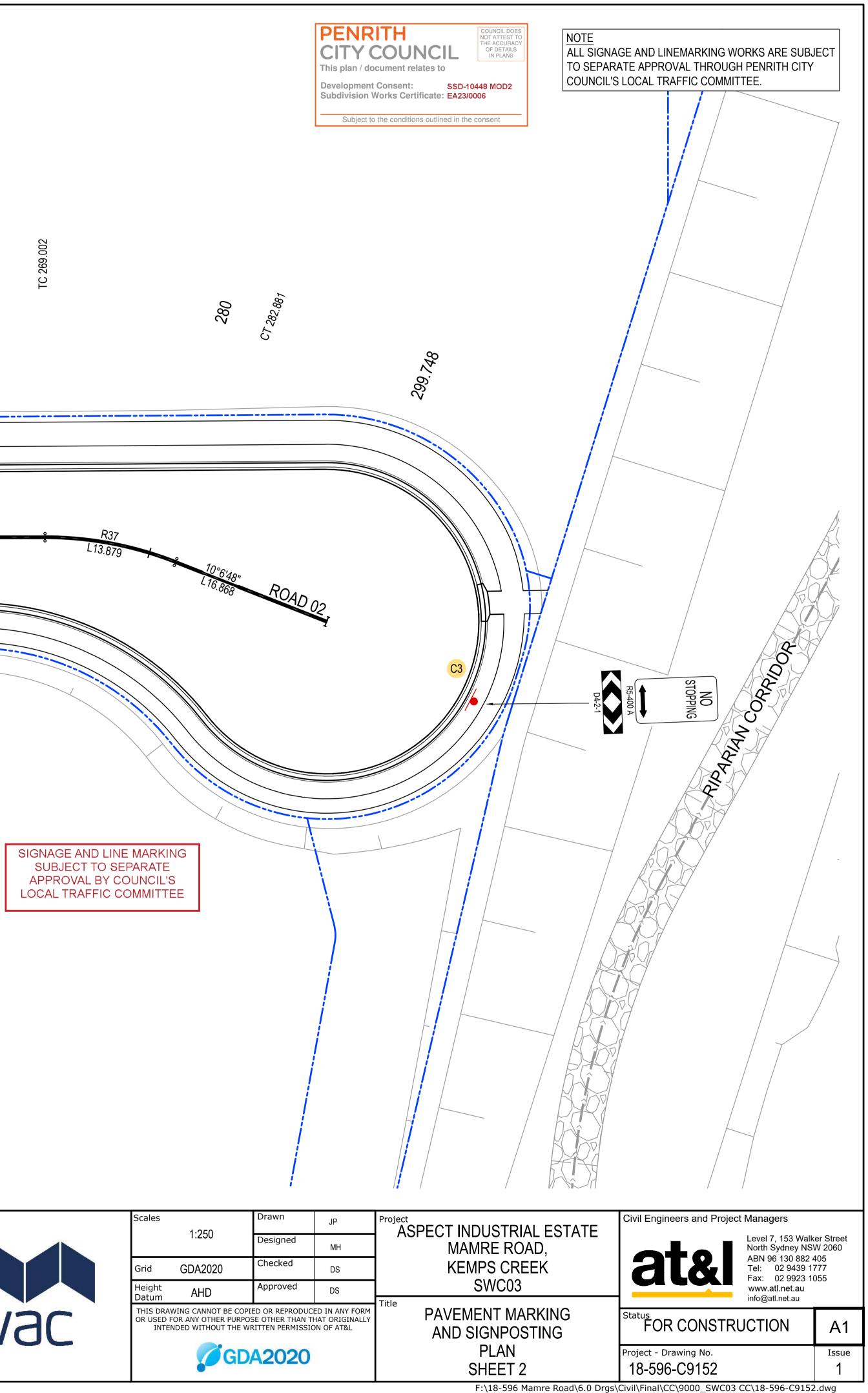
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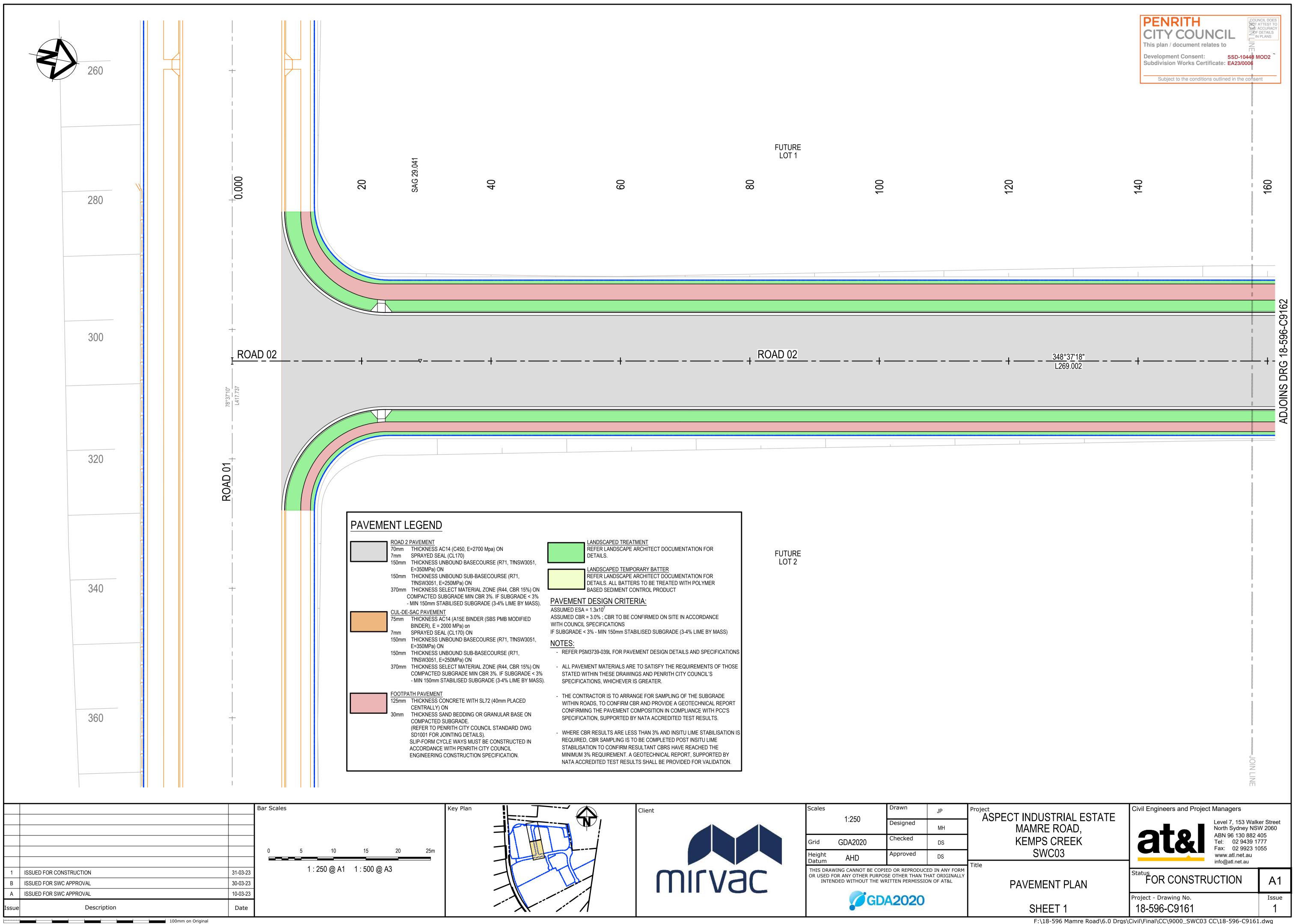
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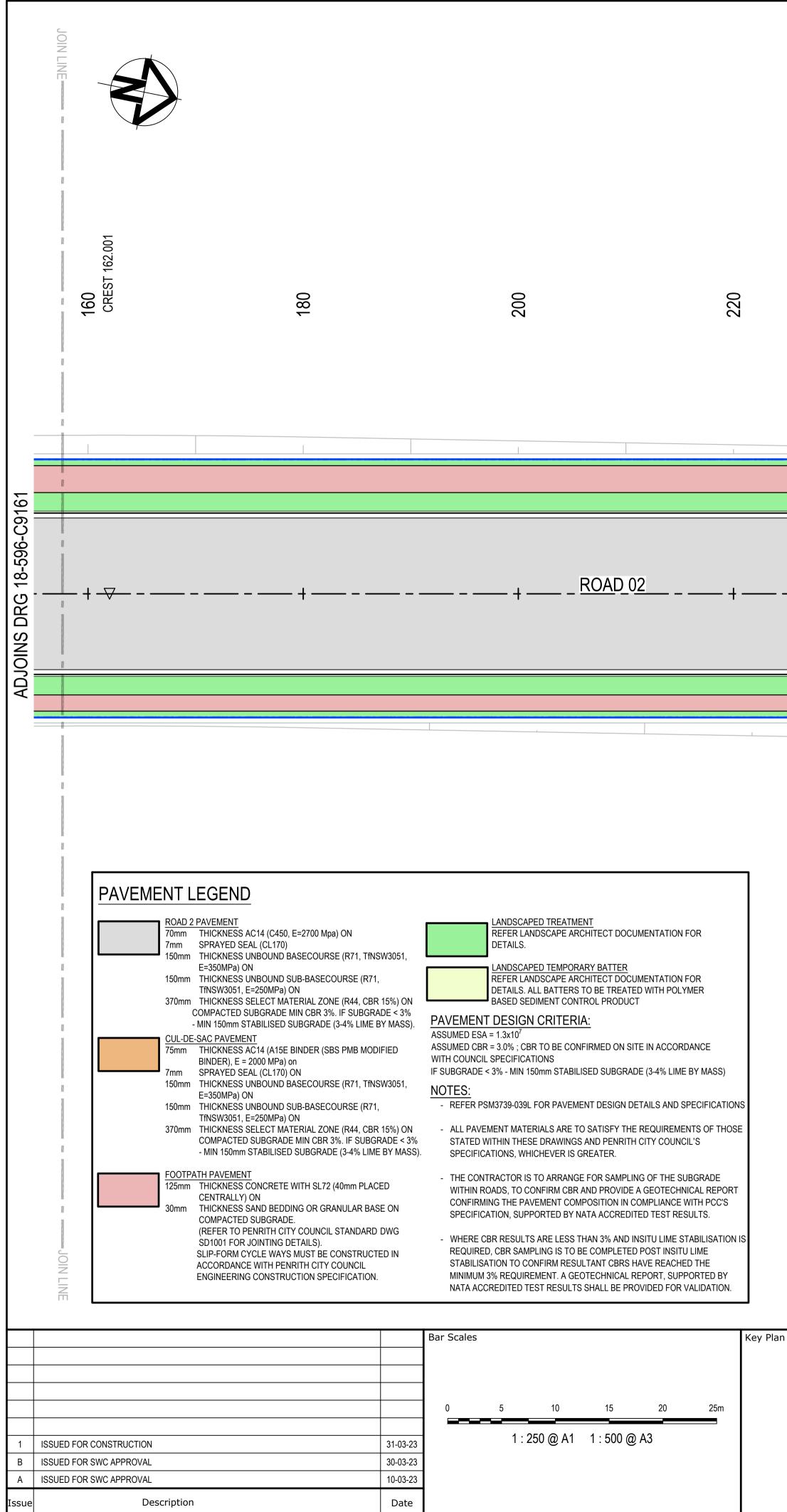
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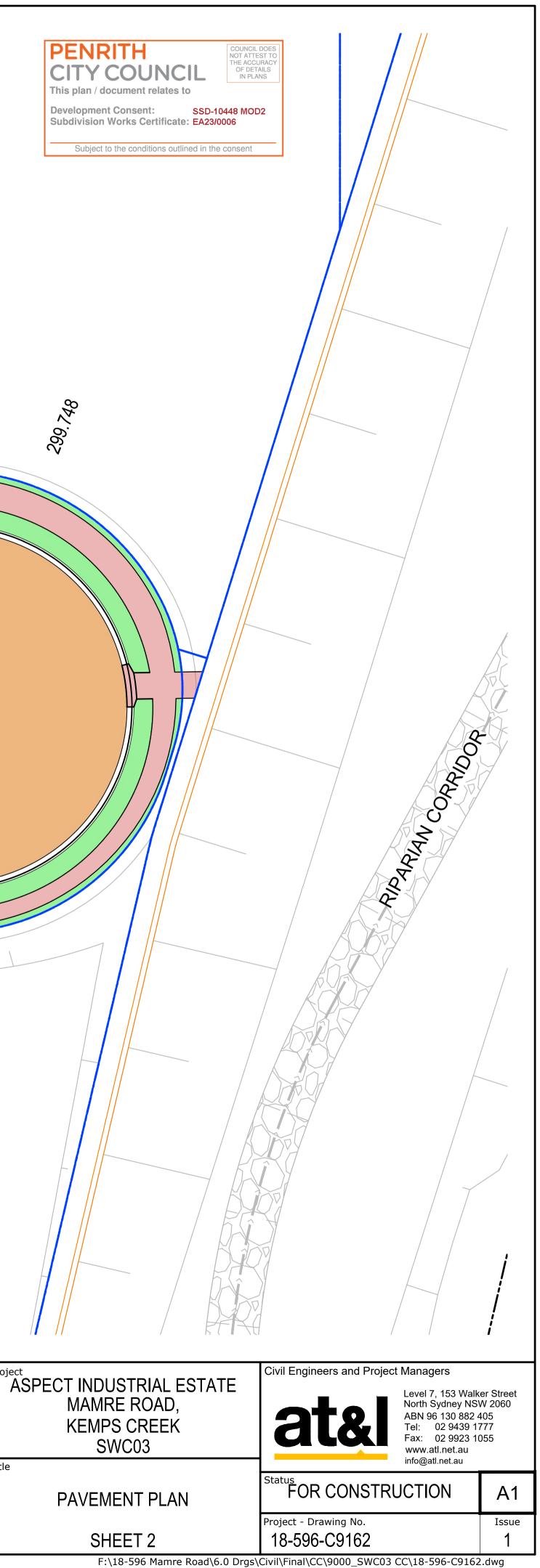




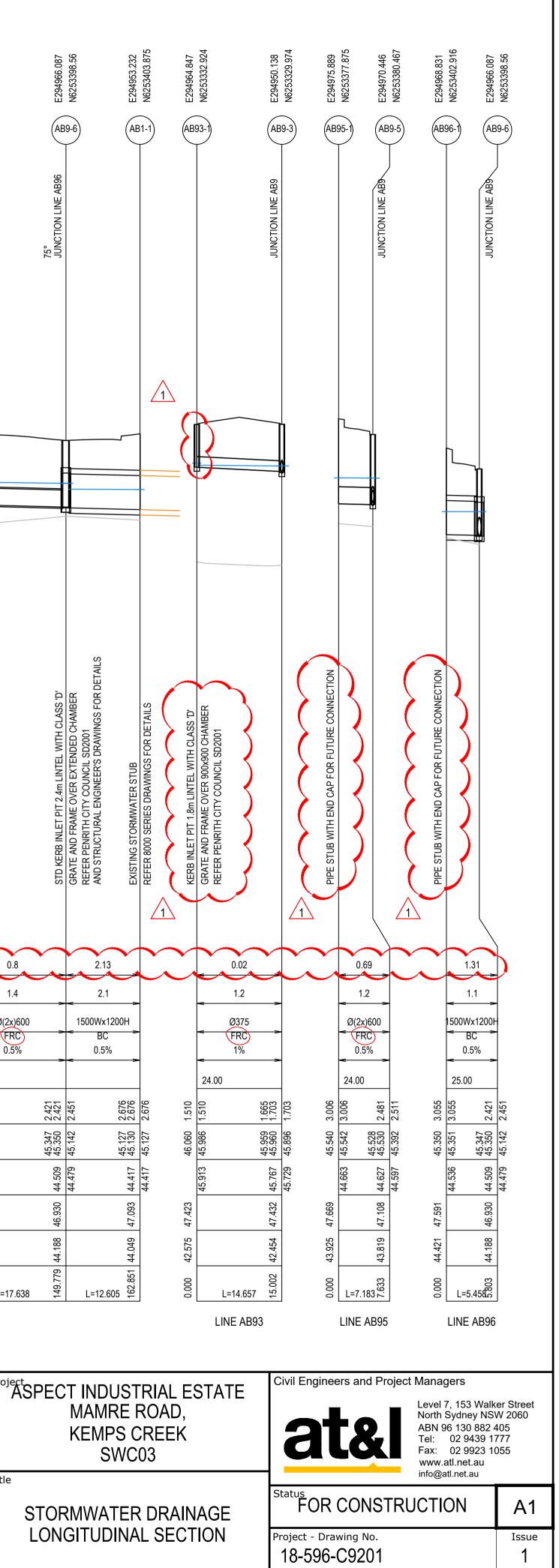
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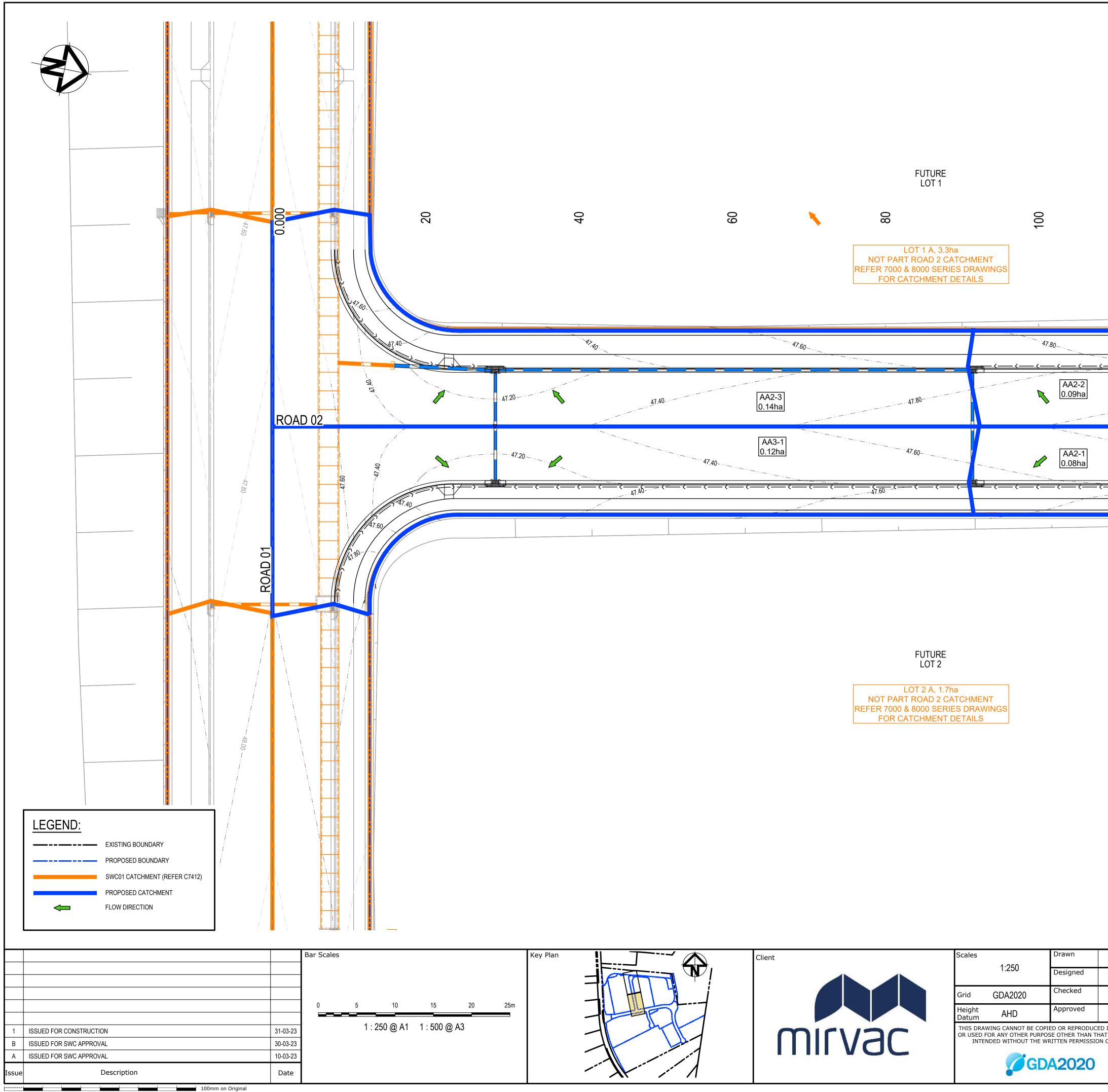
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		$\frac{37}{79} + \frac{10^{\circ}6'48''}{16.868} + ROADOZ$
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an	Client	Scales       Drawn       JP       Project         1:250       Designed       MH       MH         Grid       GDA2020       Checked       DS         Height       AHD       Approved       DS         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       Title



<ul> <li>/ nalq zili</li> <li>/ nalq zili</li> <li>/ nelsivibdus</li> <li>/ nelsivibdu</li></ul>	<section-header><section-header><section-header><text><text><text></text></text></text></section-header></section-header></section-header>		$\sim$	90° JUNCTION LINE AB93 (B) E294950.138 (C) N6253329.974	E294942.648 N6253366.522	48° JUNCTION LINE AB95 E294970.446 GG N6253380.467
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VELOCITY (m/s)     0.9       PIPE SIZE & CLASS     Ø375       GRADE (%)     1%       Datum R.L     24.00       DEPTH     188:       TO INVERT     189:       20YR ARI     081:93       H.G.L LEVEL     99       1NVERT     116:34       LEVEL     94:94       TOP OF PIT     106:34       LEVEL     11/2       EXISTING     11/2       LEVEL     11/2       VELOCITY (m/s)     11/2	0.1 2 Ø375 FRC 1%	6       45.380       47.056       45.127       45.510       1.929         6       45.380       47.056       45.127       45.510       1.959         7       7       7       7       7       7         6       45.380       47.351       44.941       45.235       1.959         7       7       7       7       7       7         7       7       45.300       2.409       8       1.218         7       44.941       45.230       2.409       8       1.218         7       44.941       45.227       2.409       8       1.218         8       45.943       45.943       1.218       8       8       1.218         8       45.945       1.218       769       1.218       1.218       1.218       1.218         9       45.510       1.359       1.218       45.805       1.359       45.951       1.959         45.380       47.056       45.607       1.359       1.959       1.959       1.959       1.959         145.391       45.395       1.959       1.959       1.959       1.959       1.959       1.959       1.959       1.959	42:350         41.70         0.04           1.2         1.4           03375         03375           0.7.0         0.7.%           0.7.0         0.7.%           0.7.0         0.7.%           0.7.%         1.500           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%           0.7.%         0.7.%	8 42.454 47.432 45.959 1.673 45.959 45.959 1.673 45.759 45.896 1.703 1.103 45.729 45.896 1.703 1.203 45.729 45.896 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703 1.703	0.09	26 43.819 47.108 44.697 45.528 2.411 STD KERB INLE 6RATE AND FR 0.9(x70) 9.1 8.0 6RATE AND FR 0.9(x70) 9.1 8.0 8.0 7.1 AND STRUCTU
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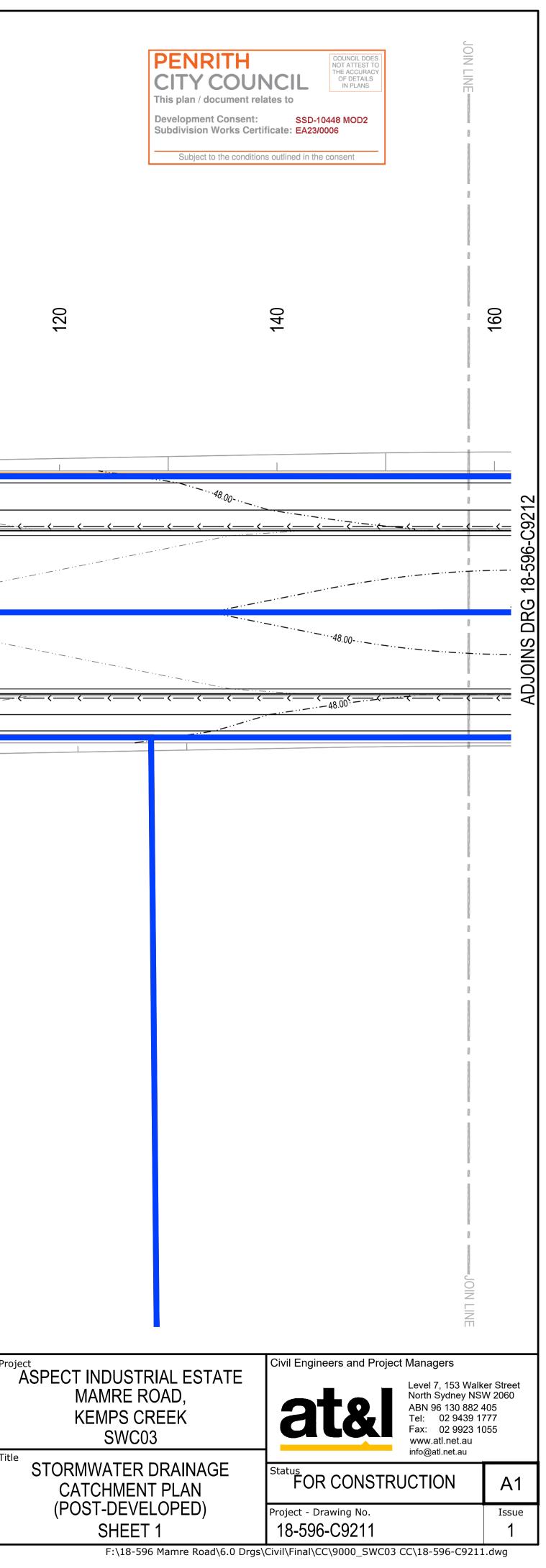


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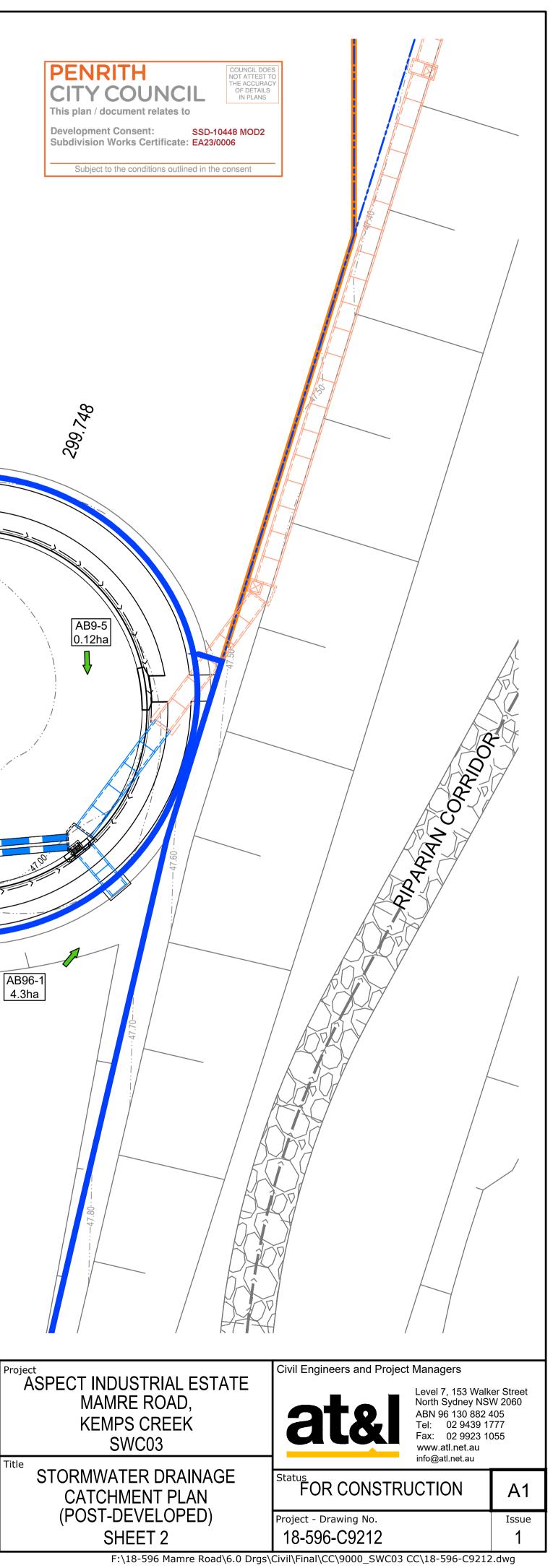
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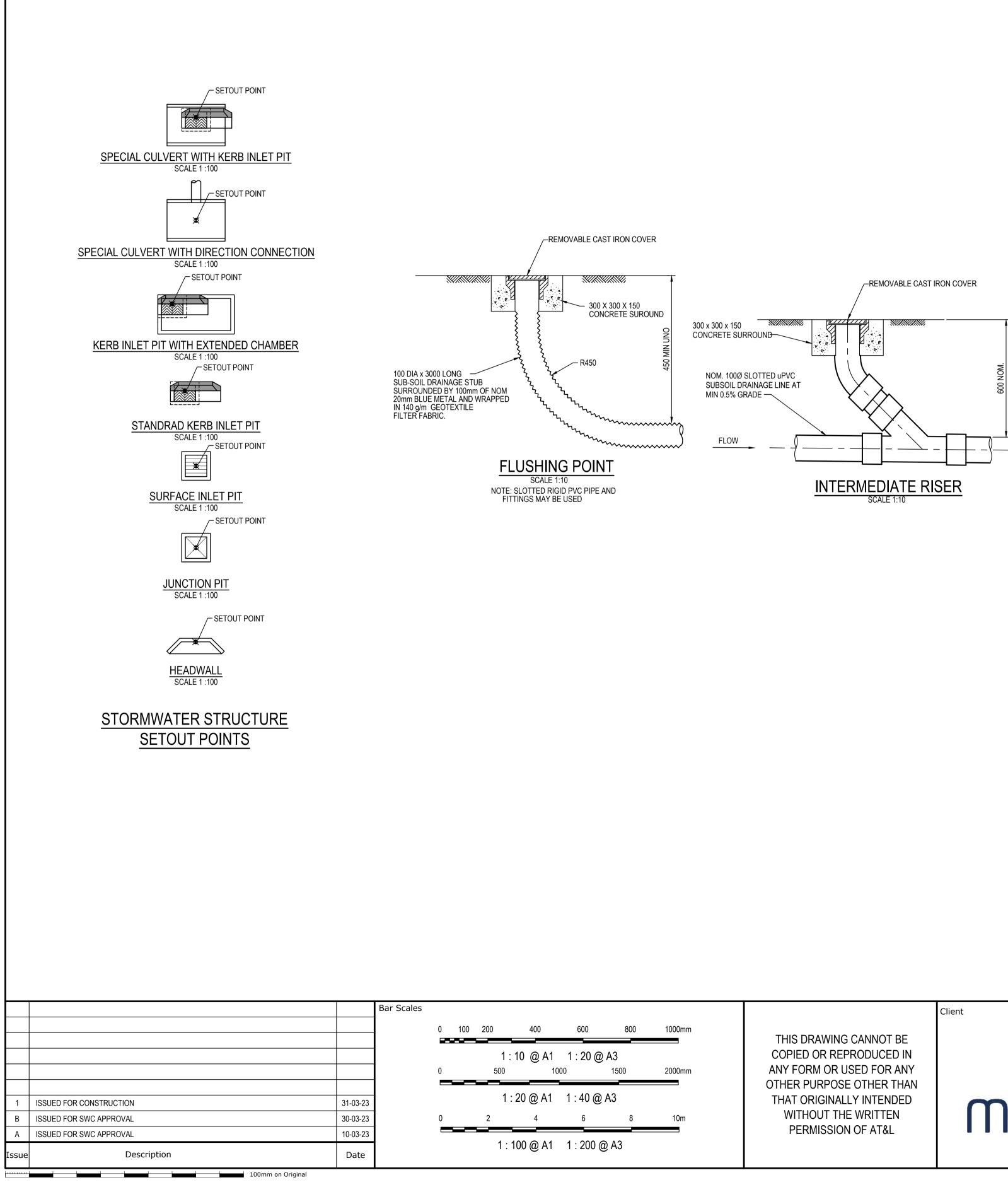


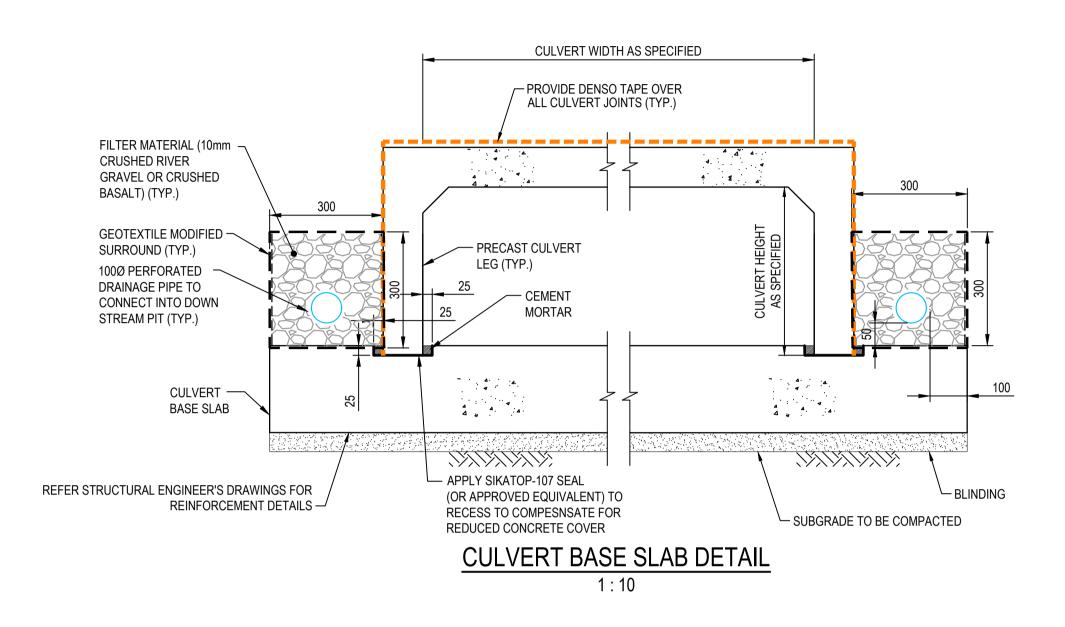
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EXISTING BOUNDARY PROPOSED BOUNDARY SWC01 CATCHMENT (REFER C7412) PROPOSED CATCHMENT FLOW DIRECTION TRUCTION APPROVAL	$AB9-2 \\ 0.04ha \\ 0.$	Image: Second state sta
		VINGS
Bar Scales		
		200
15 1 1 : 500 @ A3	7.80 ROAD 02	
20 25m	AB9-3 0.06ha	
Key Plan	AB93 0.05	077 41.80

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	FUTURE LOT 1	
	LOT 1 B, 2.6ha NOT PART ROAD 2 CATCHMENT FER 7000 & 8000 SERIES DRAWINGS FOR CATCHMENT DETAILS	280
		47.4047.40.
47.60	AB9-4 0.05ha	
93-1 <u>5ha</u> 	$AB9-5 \\ 0.06ha$ $47.40$ $47.60$	ROAD 02
	FUTURE LOT 2 AB95-1 2.3ha	AB9 4.3
an	Client	Scales Drawn JP Project
		Image: Internation of the second s







		Client	Scales	Drawn Ji	Р		Civil Engineers and Project Managers	
1	THIS DRAWING CANNOT BE		AS SHOWN	Designed M	ИН	ASPECT INDUSTRIAL ESTATE MAMRE ROAD,	Level 7, 153 Wal North Sydney NS	SW 2060
	COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY		Grid GDA2020	Checked	DS	KEMPS CREEK	ABN 96 130 882 Tel: 02 9439 5 Fax: 02 9923	1777
]	OTHER PURPOSE OTHER THAN		Height AHD Datum AHD	Approved D	OS	SWC03	www.atl.net.au info@atl.net.au	
	THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	MILVAC		A2020		STORMWATER DRAINAGE	FOR CONSTRUCTION	A1
			GL	M2020		DETAILS SHEET 1	Project - Drawing No. 18-596-C9221	Issue 1



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This plan / document relates to Development Consent: SSD-10448 MOD2 Subdivision Works Certificate: EA23/0006

Subject to the conditions outlined in the consent

### MWATER NOTES:

TORMWATER PIT CHAMBER DIMENSIONS SHOWN ON THIS PLAN ARE SHOWN AS A GUIDE NLY. CONTRACTOR TO CONFIRM CHAMBER DIMENSIONS ON SITE WITH SITE UPERINTENDENT

L PITS TO HAVE MASS CONCRETE (N20) BENCHING TO ENSURE SMOOTH FLOW & SMOOTH RANSITION FROM ENTRY PIPES TO EXIT PIPES.

ENCHING MUST BE PLACED TO ENSURE SURFACE IS SMOOTH & FREE FROM VOIDS AND RACKS.

ENCHING MUST BE A MIN. HEIGHT EQUAL TO HALF THE BARREL OF THE PIPE.

NSURE ALL STEP IRONS ARE LOCATED ON THE CLOSEST FACE TO THE OPENING TO ALLOW REE ACCESS TO THE CHAMBER.

HERE SUBSOIL IS INSTALLED INTO THE PIT, EXTEND SUBSOIL THROUGH BENCHING TO ISCHARGE FREELY INTO CHAMBER.

IT WIDTHS ARE TO ALLOW FOR PIPE DIAMETER + 150mm TO PIT WALL MIN.

IN DOUBT, SEEK CLARIFICATION FROM THE SUPERINTENDENT.

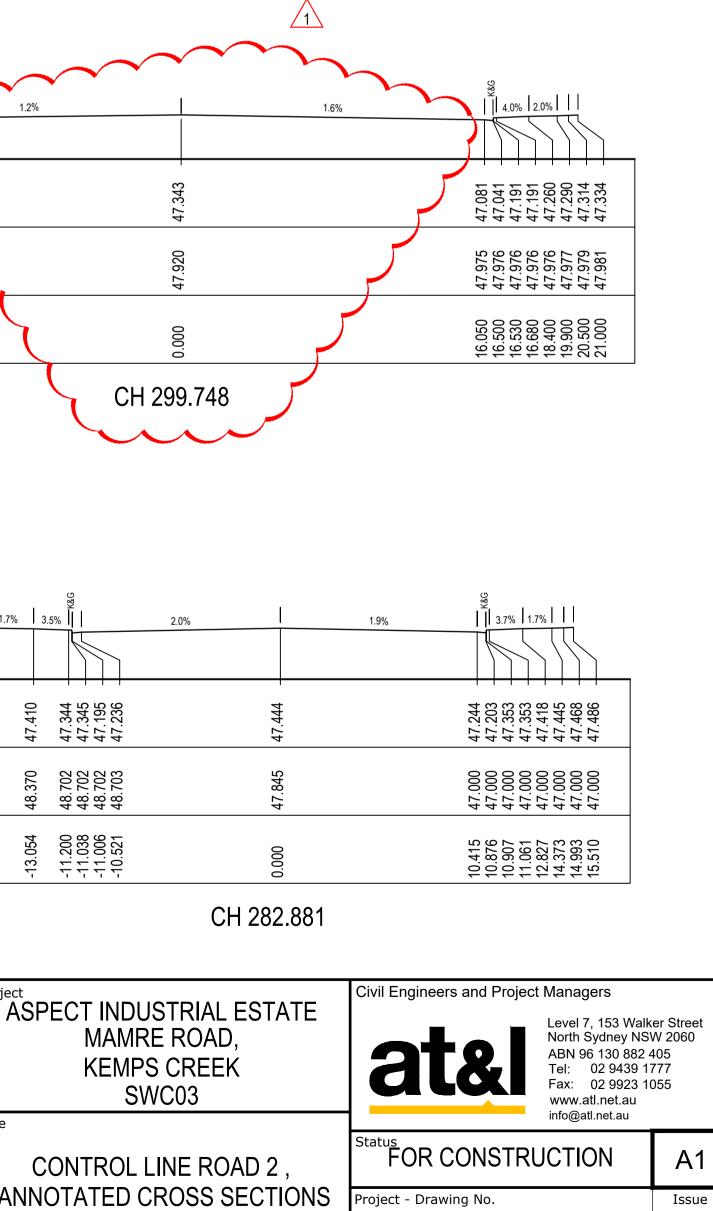
	Civil Engineers and Project Managers			
ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK SWC03	Level 7, 153 Walk North Sydney NSV ABN 96 130 882 4 Tel: 02 9439 17 Fax: 02 9923 10 www.atl.net.au info@atl.net.au	W 2060 105 777		
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	FOR CONSTRUCTION	A1		
SHEET 1	Project - Drawing No.	Issue		
	18-596-C9231	1		

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EXISTING SURFACE LEVEL EVEL EVEL	48.724       48.724       4         48.724       48.724       4         48.724       4       4         48.724       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.725       4       4         48.823       4       4         48.823       4       4         48.823       4       4         48.823       4       4         48.824       4       4         48.823       4       4         48.891       4       4         48.891       4       4         48.891       4       4	48.923         48.923         48.954         48.953         48.956         48.958         48.959         48.959         48.999         48.999         48.999         48.999	48.021 47.771 47.771 47.771 48.807 48.807 48.823 48.824 48.824 48.824 48.828 48.860 4 48.860 4	48.953 48.953 48.953 48.958 48.958 48.959 44.958 48.975 48.975 48.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.989 44.995 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 44.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.959 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.9597 45.95977 45.95977 45.95977 45.959777 45.9597777777777777777777777777777777777	9999 9936 847 867
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CH 20	CH 120	ю <u>ккко</u>		H 220	
Bar S	cales		Client	Scales	Drawn JP Project
		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN		1:200 Grid GDA2020	Designed MH Checked DS
	0 5 10 15 20m 1 : 200 @ A1 1 : 400 @ A3	ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED		Height Datum AHD	Approved DS Title
1ISSUED FOR CONSTRUCTION31-03-23BISSUED FOR SWC APPROVAL30-03-23AISSUED FOR SWC APPROVAL10-03-23		WITHOUT THE WRITTEN PERMISSION OF AT&L	mirvac	G	DA2020 AN
Issue Description Date					



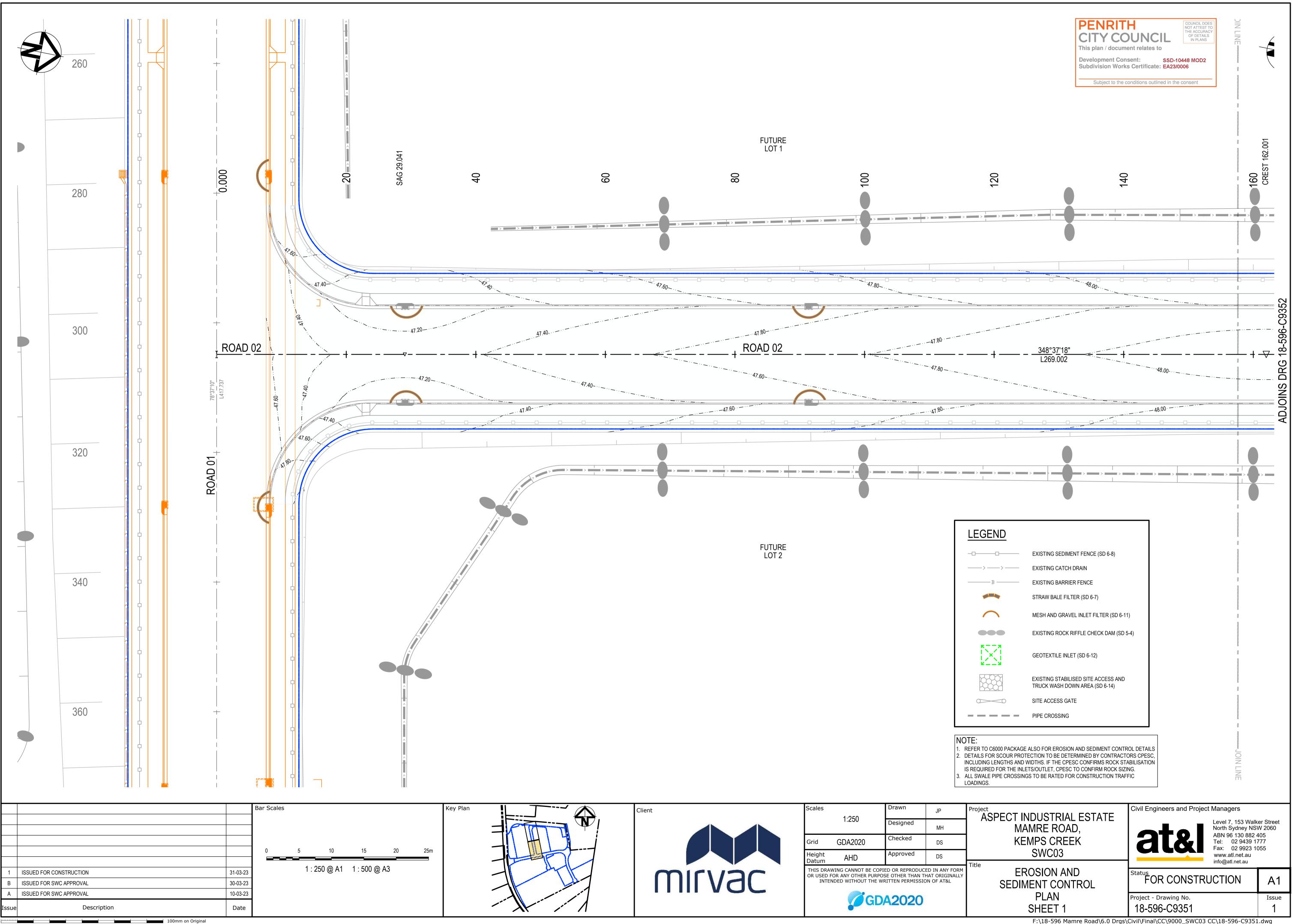


Subject to the conditions outlined in the consent



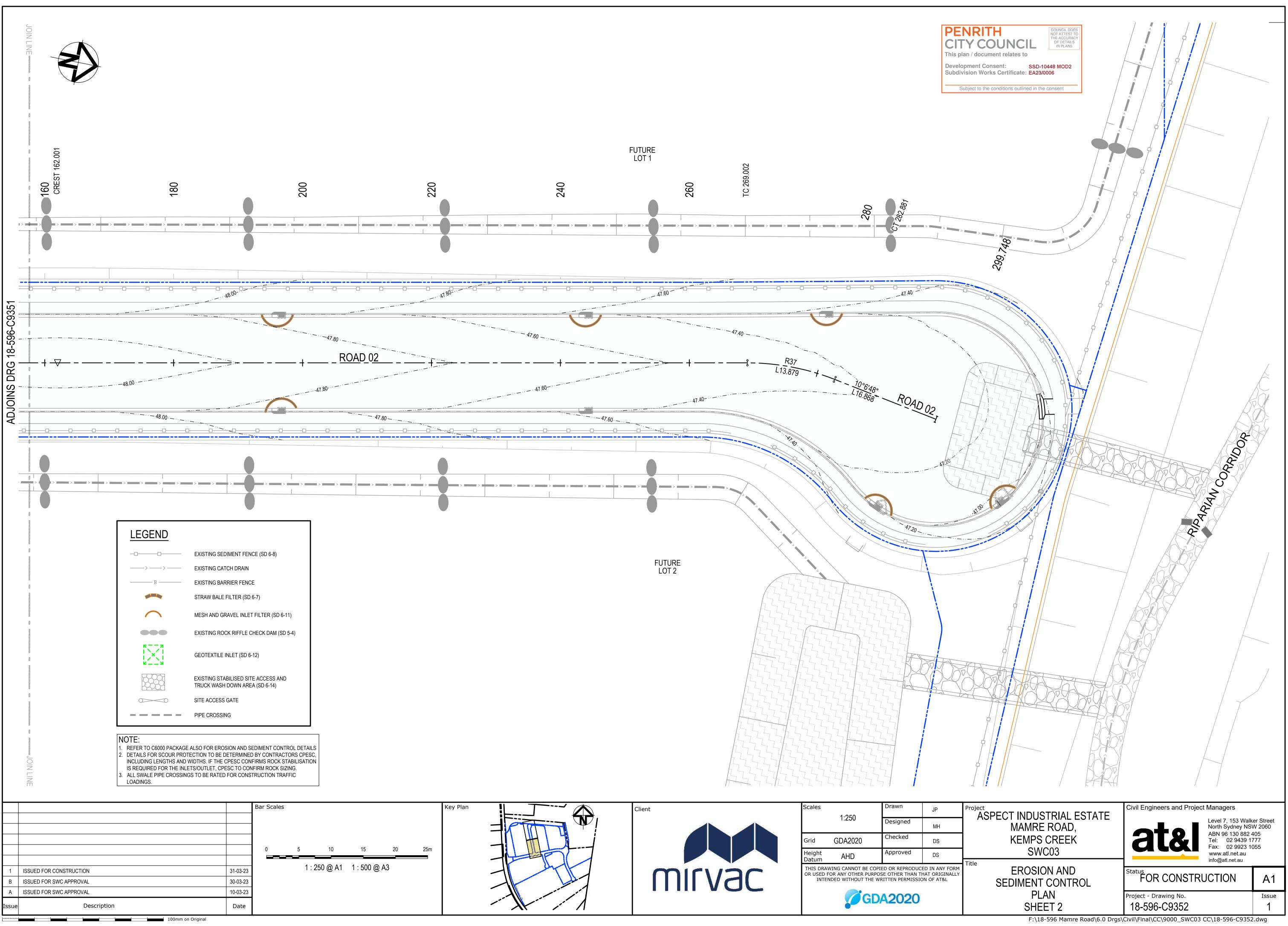
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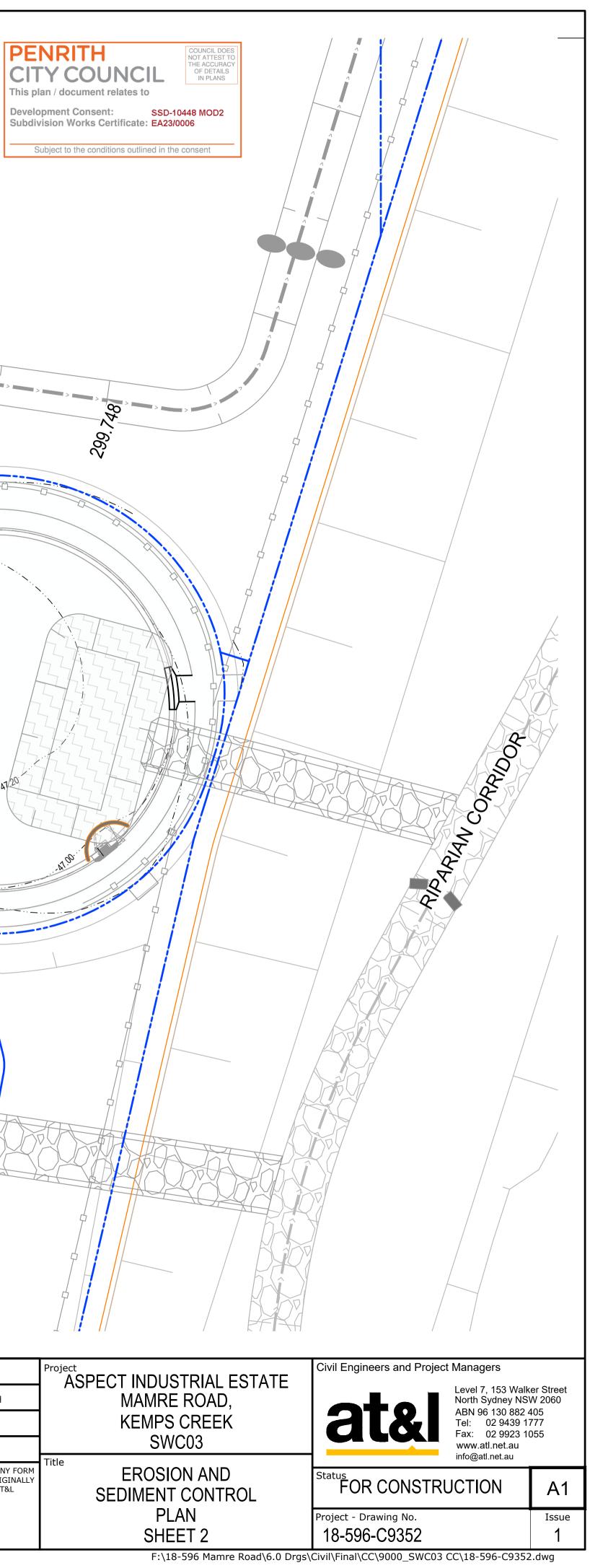
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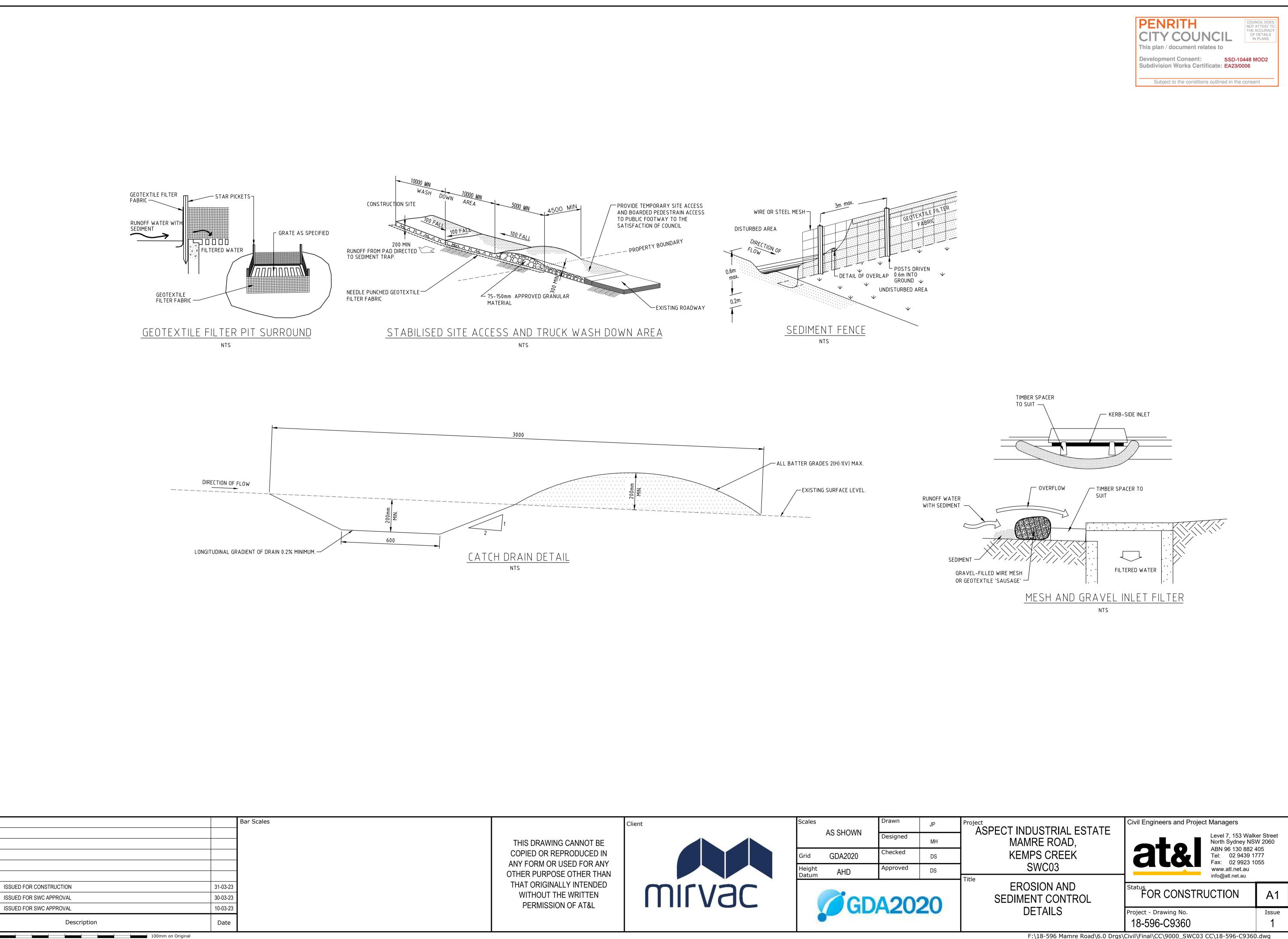


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Client	Scales 1:250	Drawn	JP	Project
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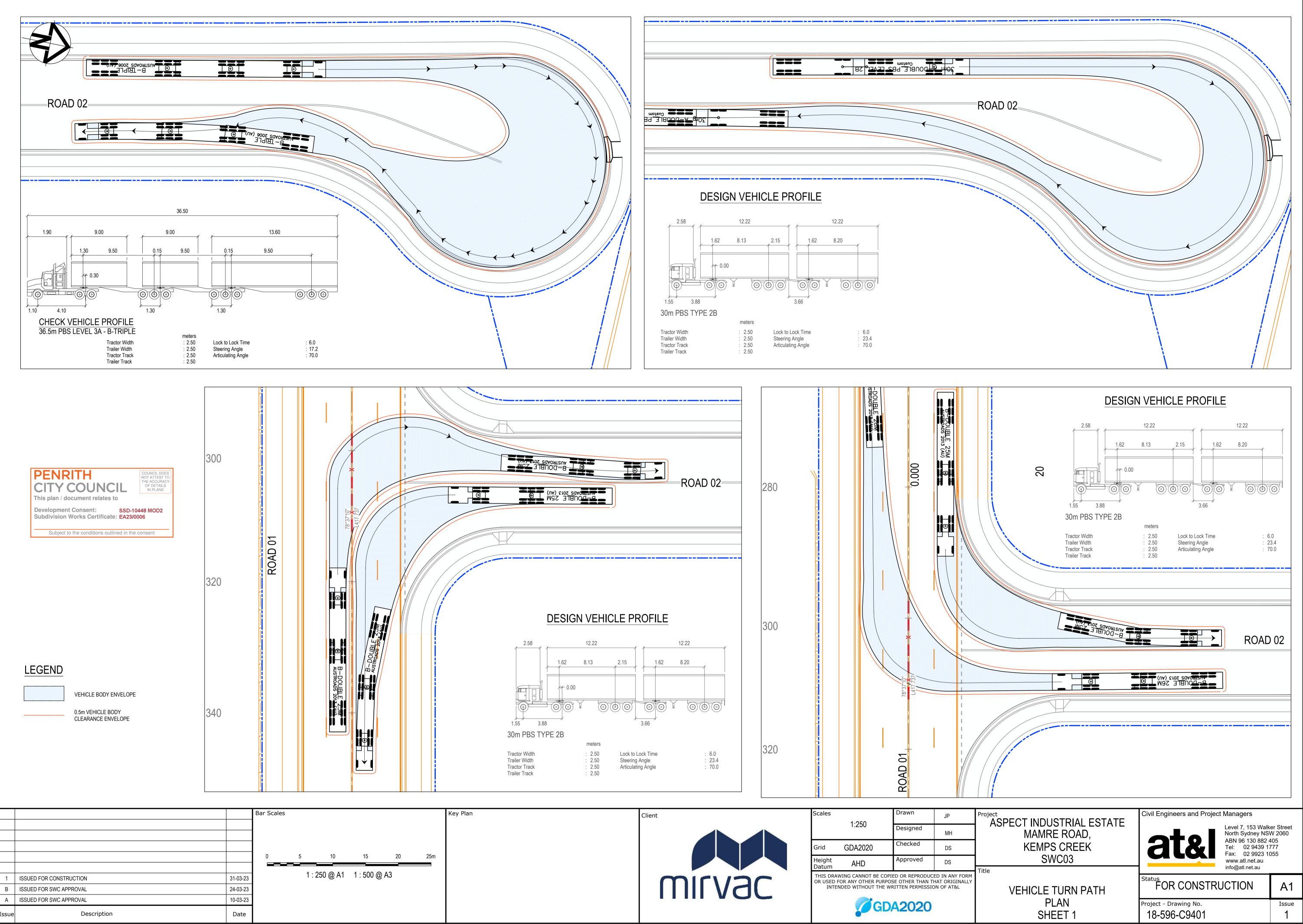
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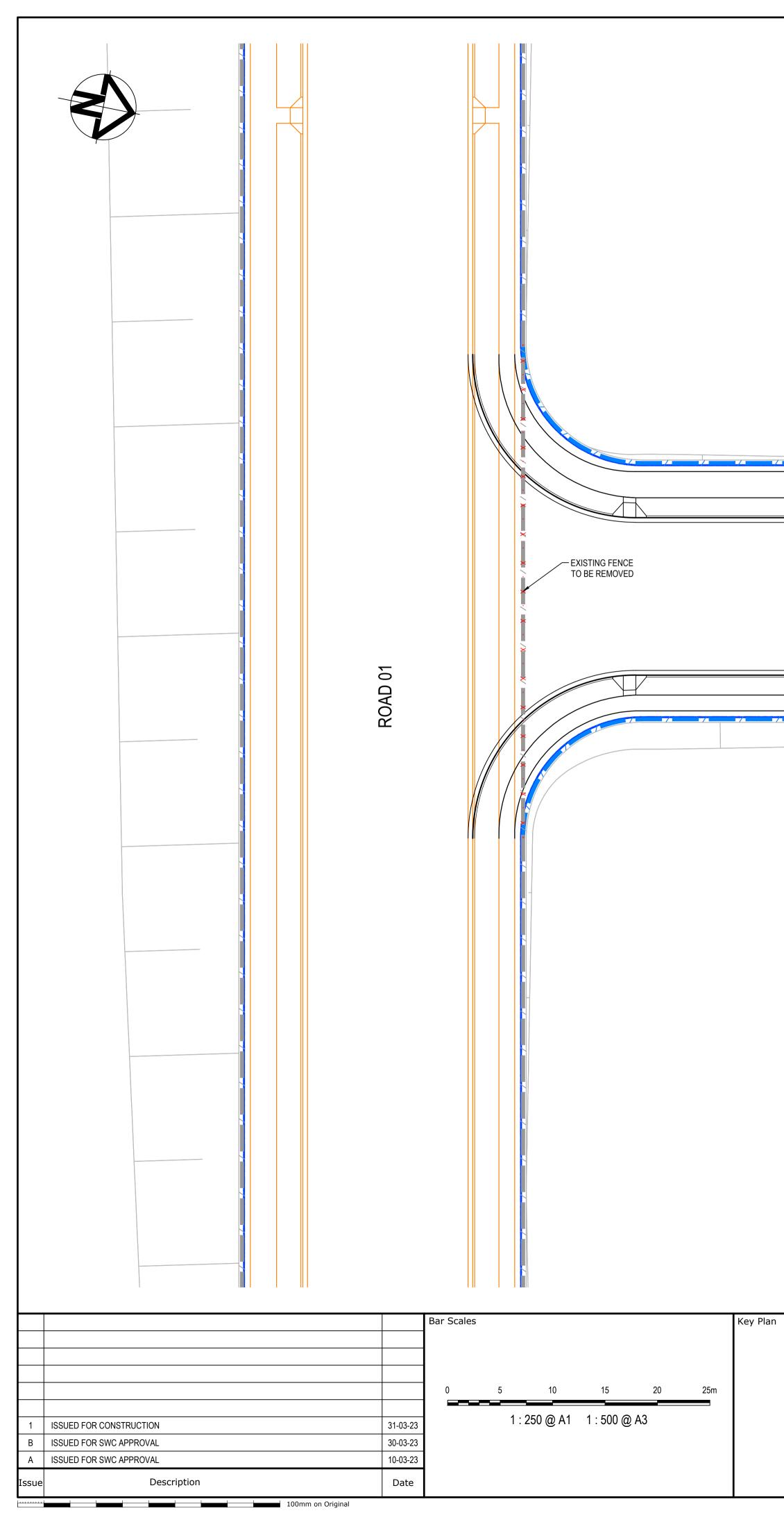




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Client	Scales	4.050	Drawn	JP	Project
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FUTURE LOT 2

ROAD 02

FUTURE LOT 1



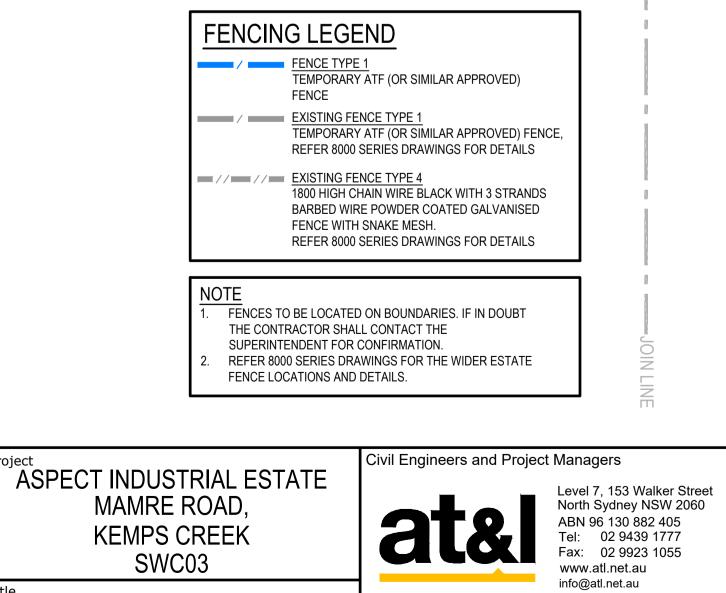
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C91

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DRG

**ADJOINS** 



PROPOSED FENCING PLAN SHEET 1 Info@atl.net.au
Status
FOR CONSTRUCTION
Project - Drawing No.

A1

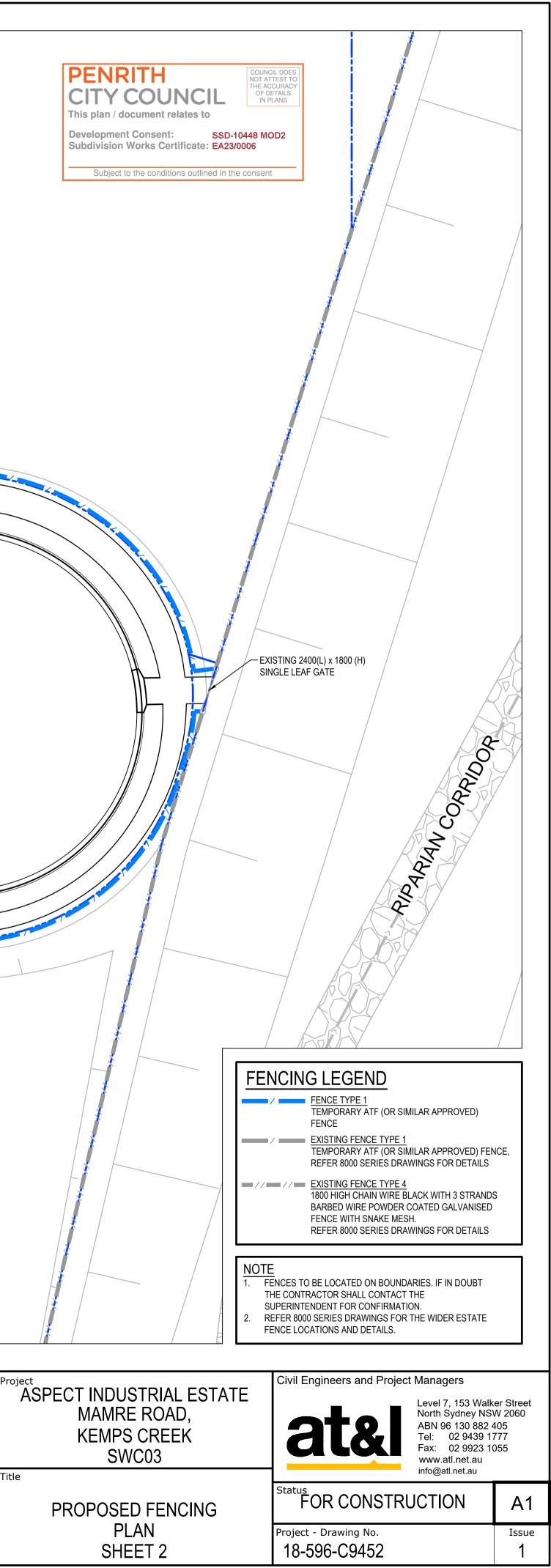
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		/	
			Bar Scales Key Pla
			0 5 10 15 20 25m 1 : 250 @ A1 1 : 500 @ A3
1 B	ISSUED FOR CONSTRUCTION ISSUED FOR SWC APPROVAL	31-03-23 30-03-23	1.200 W AT 1.000 W AO
A	ISSUED FOR SWC APPROVAL	10-03-23	
Issue	Description	Date	

	FUTURE LOT 1	
	FUTURE LOT 2	
an IIII AN	Client	Scales       Drawn       JP       Projec         1:250       Designed       MH         Grid       GDA2020       Checked       DS         Height       AHD       Approved       DS         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       Title



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