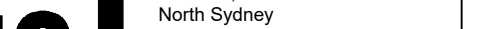


The map shows the area around Bakers Lane, which is highlighted with a red hatched rectangle and labeled 'LOCATION OF WORKS'. Bakers Lane runs diagonally from the top left towards the center. Mamre Road runs vertically along the left side of the hatched area. Aldington Road runs vertically along the right side of the hatched area. The map includes contour lines, water bodies, and various property boundaries. A north arrow is in the top left corner.

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 **GDA2020**

Drawing Status:			FOR REVIEW		
02	23-10-25	ISSUED FOR CLIENT REVIEW			
01	14-10-25	ISSUED FOR CLIENT REVIEW			
Issue	Date	Description			

Client:		Contractor / Consultant / Document Author:  Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@at&i.net.au www.at&i.net.au ABN 96 130 882 405		Key Plan:	
					

Site:	Stage: ULTIMATE	Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282	Drawn by: PT	Designed by: JH	Scale NTS	Drawing title: COVER SHEET	
Project Number:	Checked by: MM	Approved by: AMc	Sheet A1		
File Name SYD4-SITE-DRG-ATL-CIV-02000				Drawing Number SYD4-SITE-DRG-ATL-CIV-02000	Rev 02

Do not scale

CONFIDENTIAL

A1

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
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DRAWING LIST	
DRAWING No.	DRAWING TITLE
SYD4-SITE-DRG-ATL-CIV-02000	COVER SHEET
SYD4-SITE-DRG-ATL-CIV-02001	DRAWING LIST & LEGENDS
SYD4-SITE-DRG-ATL-CIV-02002	GENERAL NOTES
SYD4-SITE-DRG-ATL-CIV-02005	GENERAL ARRANGEMENT PLAN
SYD4-SITE-DRG-ATL-CIV-02010	TYPICAL ROAD CRROSS SECTIONS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02011	TYPICAL ROAD CRROSS SECTIONS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02012	TYPICAL ROAD VERGE SECTIONS
SYD4-SITE-DRG-ATL-CIV-02013	TYPICAL BOUNDARY SECTIONS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02014	TYPICAL BOUNDARY SECTIONS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02015	TYPICAL BOUNDARY SECTIONS SHEET 3
SYD4-SITE-DRG-ATL-CIV-02016	TYPICAL BOUNDARY SECTIONS SHEET 4
SYD4-SITE-DRG-ATL-CIV-02017	TYPICAL BOUNDARY SECTIONS SHEET 5
SYD4-SITE-DRG-ATL-CIV-02018	TYPICAL BOUNDARY SECTIONS SHEET 6
SYD4-SITE-DRG-ATL-CIV-02019	TYPICAL BOUNDARY SECTIONS SHEET 7
SYD4-SITE-DRG-ATL-CIV-02020	TYPICAL BOUNDARY SECTIONS SHEET 8
SYD4-SITE-DRG-ATL-CIV-02031	BULK EARTHWORKS PLAN
SYD4-SITE-DRG-ATL-CIV-02035	BULK EARTHWORKS SECTIONS
SYD4-SITE-DRG-ATL-CIV-02041	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 1
SYD4-SITE-DRG-ATL-CIV-02042	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 2
SYD4-SITE-DRG-ATL-CIV-02043	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 3
SYD4-SITE-DRG-ATL-CIV-02044	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 4
SYD4-SITE-DRG-ATL-CIV-02045	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 5
SYD4-SITE-DRG-ATL-CIV-02046	ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 6
SYD4-SITE-DRG-ATL-CIV-02051	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 1
SYD4-SITE-DRG-ATL-CIV-02052	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 2
SYD4-SITE-DRG-ATL-CIV-02053	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 3
SYD4-SITE-DRG-ATL-CIV-02054	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 4
SYD4-SITE-DRG-ATL-CIV-02055	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 5
SYD4-SITE-DRG-ATL-CIV-02056	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 6
SYD4-SITE-DRG-ATL-CIV-02057	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 7
SYD4-SITE-DRG-ATL-CIV-02058	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 8
SYD4-SITE-DRG-ATL-CIV-02059	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 9
SYD4-SITE-DRG-ATL-CIV-02060	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 10
SYD4-SITE-DRG-ATL-CIV-02061	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 11
SYD4-SITE-DRG-ATL-CIV-02062	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 12
SYD4-SITE-DRG-ATL-CIV-02071	ROAD (MC01) LONGITUDINAL SECTION SHEET 1
SYD4-SITE-DRG-ATL-CIV-02072	ROAD (MC01) LONGITUDINAL SECTION SHEET 2
SYD4-SITE-DRG-ATL-CIV-02073	ROAD (MC01) LONGITUDINAL SECTION SHEET 3
SYD4-SITE-DRG-ATL-CIV-02074	ROAD (MC01) LONGITUDINAL SECTION SHEET 4
SYD4-SITE-DRG-ATL-CIV-02075	ROAD (MC02) LONGITUDINAL SECTION SHEET 5
SYD4-SITE-DRG-ATL-CIV-02076	ROAD (MC02) LONGITUDINAL SECTION SHEET 6
SYD4-SITE-DRG-ATL-CIV-02077	ROAD (MC02) LONGITUDINAL SECTION SHEET 7
SYD4-SITE-DRG-ATL-CIV-02081	RETAINING WALL PLAN SHEET 1
SYD4-SITE-DRG-ATL-CIV-02082	RETAINING WALL PLAN SHEET 2
SYD4-SITE-DRG-ATL-CIV-02083	RETAINING WALL PLAN SHEET 3
SYD4-SITE-DRG-ATL-CIV-02084	RETAINING WALL PLAN SHEET 4
SYD4-SITE-DRG-ATL-CIV-02085	RETAINING WALL PROFILES SHEET 1
SYD4-SITE-DRG-ATL-CIV-02086	RETAINING WALL PROFILES SHEET 2
SYD4-SITE-DRG-ATL-CIV-02087	RETAINING WALL PROFILES SHEET 3
SYD4-SITE-DRG-ATL-CIV-02088	RETAINING WALL PROFILES SHEET 4
SYD4-SITE-DRG-ATL-CIV-02089	RETAINING WALL PROFILES SHEET 5
SYD4-SITE-DRG-ATL-CIV-02090	RETAINING WALL PROFILES SHEET 6
SYD4-SITE-DRG-ATL-CIV-02091	RETAINING WALL PROFILES SHEET 7
SYD4-SITE-DRG-ATL-CIV-02092	RETAINING WALL PROFILES SHEET 8
SYD4-SITE-DRG-ATL-CIV-02093	RETAINING WALL PROFILES SHEET 9
SYD4-SITE-DRG-ATL-CIV-02101	STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPMENT)
SYD4-SITE-DRG-ATL-CIV-02102	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPMENT)
SYD4-SITE-DRG-ATL-CIV-02110	NATURALISED TRUNK DRAINAGE CHANNEL PLAN & DETAILS
SYD4-SITE-DRG-ATL-CIV-02111	NATURALISED TRUNK DRAINAGE CHANNEL TYPICAL SECTIONS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02112	NATURALISED TRUNK DRAINAGE CHANNEL TYPICAL SECTIONS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02121	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02122	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02123	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3
SYD4-SITE-DRG-ATL-CIV-02124	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 4
SYD4-SITE-DRG-ATL-CIV-02125	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 5

SYD4-SITE-DRG-ATL-CIV-02126	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 6
SYD4-SITE-DRG-ATL-CIV-02127	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 7
SYD4-SITE-DRG-ATL-CIV-02151	TURN PATHS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02152	TURN PATHS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02153	TURN PATHS SHEET 3
SYD4-SITE-DRG-ATL-CIV-02161	SERVICES AND UTILITIES COORDINATION PLAN SHEET 1
SYD4-SITE-DRG-ATL-CIV-02162	SERVICES AND UTILITIES COORDINATION PLAN SHEET 2
SYD4-SITE-DRG-ATL-CIV-02163	SERVICES AND UTILITIES COORDINATION PLAN SHEET 3
SYD4-SITE-DRG-ATL-CIV-02164	SERVICES AND UTILITIES COORDINATION PLAN SHEET 4
SYD4-SITE-DRG-ATL-CIV-02165	SERVICES AND UTILITIES COORDINATION PLAN SHEET 5
SYD4-SITE-DRG-ATL-CIV-02166	SERVICES AND UTILITIES COORDINATION PLAN SHEET 6
SYD4-SITE-DRG-ATL-CIV-02180	DEDICATED FREIGHT ROAD LAYOUT PLAN
SYD4-SITE-DRG-ATL-CIV-02181	DEDICATED FREIGHT ROAD LONGITUDINAL SECTIONS SHEET 1
SYD4-SITE-DRG-ATL-CIV-02182	DEDICATED FREIGHT ROAD LONGITUDINAL SECTIONS SHEET 2
SYD4-SITE-DRG-ATL-CIV-02201	SEDIMENT AND EROSION CONTROL PLAN SHEET 1
SYD4-SITE-DRG-ATL-CIV-02202	SEDIMENT AND EROSION CONTROL PLAN SHEET 2
SYD4-SITE-DRG-ATL-CIV-02203	SEDIMENT AND EROSION CONTROL PLAN SHEET 3
SYD4-SITE-DRG-ATL-CIV-02204	SEDIMENT AND EROSION CONTROL PLAN SHEET 4
SYD4-SITE-DRG-ATL-CIV-02205	SEDIMENT AND EROSION CONTROL PLAN SHEET 5
SYD4-SITE-DRG-ATL-CIV-02206	SEDIMENT AND EROSION CONTROL PLAN SHEET 6
SYD4-SITE-DRG-ATL-CIV-02207	SEDIMENT AND EROSION CONTROL PLAN SHEET 7
SYD4-SITE-DRG-ATL-CIV-02208	SEDIMENT AND EROSION CONTROL PLAN SHEET 8
SYD4-SITE-DRG-ATL-CIV-02209	SEDIMENT AND EROSION CONTROL PLAN SHEET 9
SYD4-SITE-DRG-ATL-CIV-02210	SEDIMENT AND EROSION CONTROL PLAN SHEET 10
SYD4-SITE-DRG-ATL-CIV-02211	SEDIMENT AND EROSION CONTROL PLAN SHEET 11
SYD4-SITE-DRG-ATL-CIV-02212	SEDIMENT AND EROSION CONTROL PLAN SHEET 12
SYD4-SITE-DRG-ATL-CIV-02213	SEDIMENT AND EROSION CONTROL DETAILS
SYD4-SITE-DRG-ATL-CIV-02251	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 1
SYD4-SITE-DRG-ATL-CIV-02252	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 2
SYD4-SITE-DRG-ATL-CIV-02253	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 3
SYD4-SITE-DRG-ATL-CIV-02254	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 4
SYD4-SITE-DRG-ATL-CIV-02255	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 5
SYD4-SITE-DRG-ATL-CIV-02256	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 6
SYD4-SITE-DRG-ATL-CIV-02257	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 7
SYD4-SITE-DRG-ATL-CIV-02258	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 8
SYD4-SITE-DRG-ATL-CIV-02259	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 9
SYD4-SITE-DRG-ATL-CIV-02260	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 10
SYD4-SITE-DRG-ATL-CIV-02261	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 11
SYD4-SITE-DRG-ATL-CIV-02262	SYD4 CAMPUS ROADWORKS & STORMWATER DRAINAGE SHEET 12
SYD4-SITE-DRG-ATL-CIV-02265	TEMPORARY CONSTRUCTION ACCESS MAMRE ROAD
SYD4-SITE-DRG-ATL-CIV-02275	UNDERPASS PLAN AND SECTION
SYD4-SITE-DRG-ATL-CIV-02285	PHASE 1 EARTHWORKS STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02286	PHASE 2 PARCEL A STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02287	PHASE 3 PARCEL B STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02288	PHASE 4 PARCEL C STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02289	PHASE 5 PARCEL D STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02290	PHASE 6 EARTHWORKS STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02291	PHASE 7 PARCEL E STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02292	PHASE 8 PARCEL F STAGING PLAN
SYD4-SITE-DRG-ATL-CIV-02301	PAVEMENT PLAN

Drawing Status:

FOR REVIEW

02

23-10-25

ISSUED FOR CLIENT REVIEW

01

14-10-25

ISSUED FOR CLIENT REVIEW

Issue

Date

Description

Do not scale

Client:

Contractor / Consultant / Document Author:



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Key Plan:

Site:

Stage:

ULTIMATE

Phase:

ULTIMATE

Project name:

MAMRE ROAD DATA CENTRE CAMPUS

Author Job Number:

25-1282

Drawn by:

PT

Designed by:

JH

Scale

NTS

Project Number:

Checked by:

MM

Approved by:

AMc

Sheet

A1

File Name

SYD4-SITE-DRG-ATL-CIV-02001

Drawing Number

SYD4-SITE-DRG-ATL-CIV-02001

Rev

02

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

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LANDPARTNERS 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
TREE SIZES ARE ESTIMATES ONLY.

ONLY VISIBLE SERVICES HAVE BEEN LOCATED IN THIS SURVEY.

SERVICE AND UTILITIES SHOWN ON PLAN HAVE BEEN LOCATED BY PHYSICAL EVIDENCE ON SITE ONLY AND MAY NOT HAVE BEEN OPENED TO VERIFY THE TYPE OF UTILITY. NEITHER EXCAVATION NOR POT-HOLING HAVE BEEN CARRIED OUT TO CONFIRM UNDERGROUND LOCATION. SERVICE DETAILS SHOULD BE CONFIRMED WITH THE RELEVANT SERVICE AUTHORITY DURING DESIGN AND PRIOR TO ANY CONSTRUCTION.

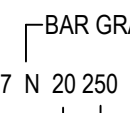
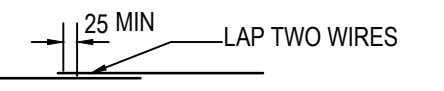
ALL DIMENSIONS MUST BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION.

THE POSITION OF SURVEYED DATA HAS BEEN LOCATED AND IS SHOWN TO TOPOGRAPHIC ACCURACIES. IF CLEARANCES TO BOUNDARIES OR OTHER FEATURES ARE CRITICAL AND DIMENSIONS ARE NOT SHOWN FURTHER SURVEY MAY BE REQUIRED.

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

ANY CONSTRUCTION ON OR NEAR BOUNDARIES WILL REQUIRE MARKS TO BE PLACED TO SHOW THE BOUNDARY LOCATIONS.

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.
- | ELEMENT | AS 3600 F _c MPa
AT 28 DAYS | SPECIFIED
SLUMP | NOMINAL
AGG. SIZE |
|---------------------------|--|--------------------|----------------------|
| VEHICULAR BASE | 32 | 60 | 20 |
| KERBS, PATHS, AND
PITS | 25 | 80 | 20 |
- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304
- NUMBER OF BARS IN GROUP  - BAR GRADE AND TYPE
- NOMINAL BAR SIZE IN mm  - SPACING IN mm
- THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:
- 

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J.) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.
- EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.
- EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
(A) AVERAGE REQUIREMENT INTERVAL:
1100 YEARS- MAJOR STORM (OVERLAND FLOW)
120 YEARS- MINOR STORM (PIPED NETWORK)
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION:5 MINUTES
1100 YEARS= 215 mm/hr
120 YEARS= 167 mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C 100 =1.0
EXTERNAL PAVEMENTS: C 100 =1.0
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.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL OF PENRITH CITY COUNCIL.
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 HS1 SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL. COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND ASINZS 3500 3.2 (1998).
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. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

EMBANKMENT CONSTRUCTION SEQUENCE

1. STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
2. CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.
3. IN THE CASE WHERE THE EMBANKMENT AREAS SLUSH, GROUTING AND DENTAL CONCRETE MAY BE REQUIRED, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
4. COMPACT CLAY STABILIZED WITH GYPSUM (3% BY DRY MASS, MINIMUM) AS APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER INTO THE CUT-OFF TRENCH OF LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289 5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT.
5. GYPSUM STABILIZED NATURAL SOILS EXPOSED IN EMBANKMENT AREA WITH MINIMUM 3% GYPSUM BY DRY MASS AND COMPACT AS FOR #4. ALL TO THE APPROVAL OF A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
6. CONSTRUCT BODY OF EMBANKMENT WITH CLAYEY MATERIAL WON FROM SITE. COMPACT THE CLAYEY MATERIAL APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IN LAYERS NOT EXCEEDING 150mm THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289 5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT. MOST IMPORTANTLY, IF SHRINKAGE CRACKS OCCUR, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
7. OVERFILL THE EMBANKMENT AND TRIM OFF, SO THAT THE ENTIRE BODY OF THE EMBANKMENT IS COMPACTED.
8. TRIM THE EMBANKMENTS BATTERS TO THE OVERFILLED MATERIAL, STABILIZE THE UPSTREAM CLAY BATTERS WITH WELL MIXED GYPSUM (3% BY DRY MASS, MINIMUM) AND COMPACT TO MIN. 98% STD -2% TO +2% OMC.
9. PLACE ROCK RIP-RAP AS SHOWN.
10. RECOVER TOPSOIL FROM STOCKPILE AND SPREAD OVER EMBANKMENT AND CUT BATTERS (A THIN COVER OF TOPSOIL ONLY HAS BEEN NOMINATED). ONLY LIGHTLY TRACK-ROLL THE TOPSOIL AND THEN LANDSCAPE IN ACCORDANCE WITH THE LANDSCAPE AREA DRAWINGS.
11. WATER AND FERTILIZE LANDSCAPE AS REQUIRED BY CLIMATIC CONDITIONS TO ENSURE THE LANDSCAPE IS SUCCESSFUL.
12. AT THE COMPLETION OF WORK WRITTEN CONFIRMATION & CERTIFICATION IS TO BE PROVIDED FROM A QUALIFIED & EXPERIENCED GEOTECHNICAL ENGINEER THAT THE EMBANKMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THESE DRAWINGS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
a. LOCAL AUTHORITY REQUIREMENTS
b. 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 30 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT 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 CONTINUED

STAGING

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

ALL TEMPORARY OR PERMANENT BATTERS MUST BE HYDROMULCHED WITHIN 5 DAYS AFTER COMPLETION

DEWATERING

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

DECOMMISSIONING / DEMOLITION

DEMOLITION OF EXISTING DWELLING TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF AS2601-2001 - DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.

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

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

EXISTING UNDERGROUND SERVICES NOTES

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

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

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

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

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

FINISHED SURFACE LEVELS

1. ALL FINISHED SURFACE LEVELS ARE ±200mm U.N.O.



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

Drawing Status:

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01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description

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Key Plan:

Site:

Stage:

ULTIMATE

Phase:

ULTIMATE

Project name:
MAMRE ROAD DATA CENTRE CAMPUS

Author Job Number:

25-1282

Drawn by:

PT

Designed by:

JH

Scale

NTS

Project Number:

Checked by:

MM

Approved by:

AMc

Sheet

A1

Drawing title:
GENERAL NOTES

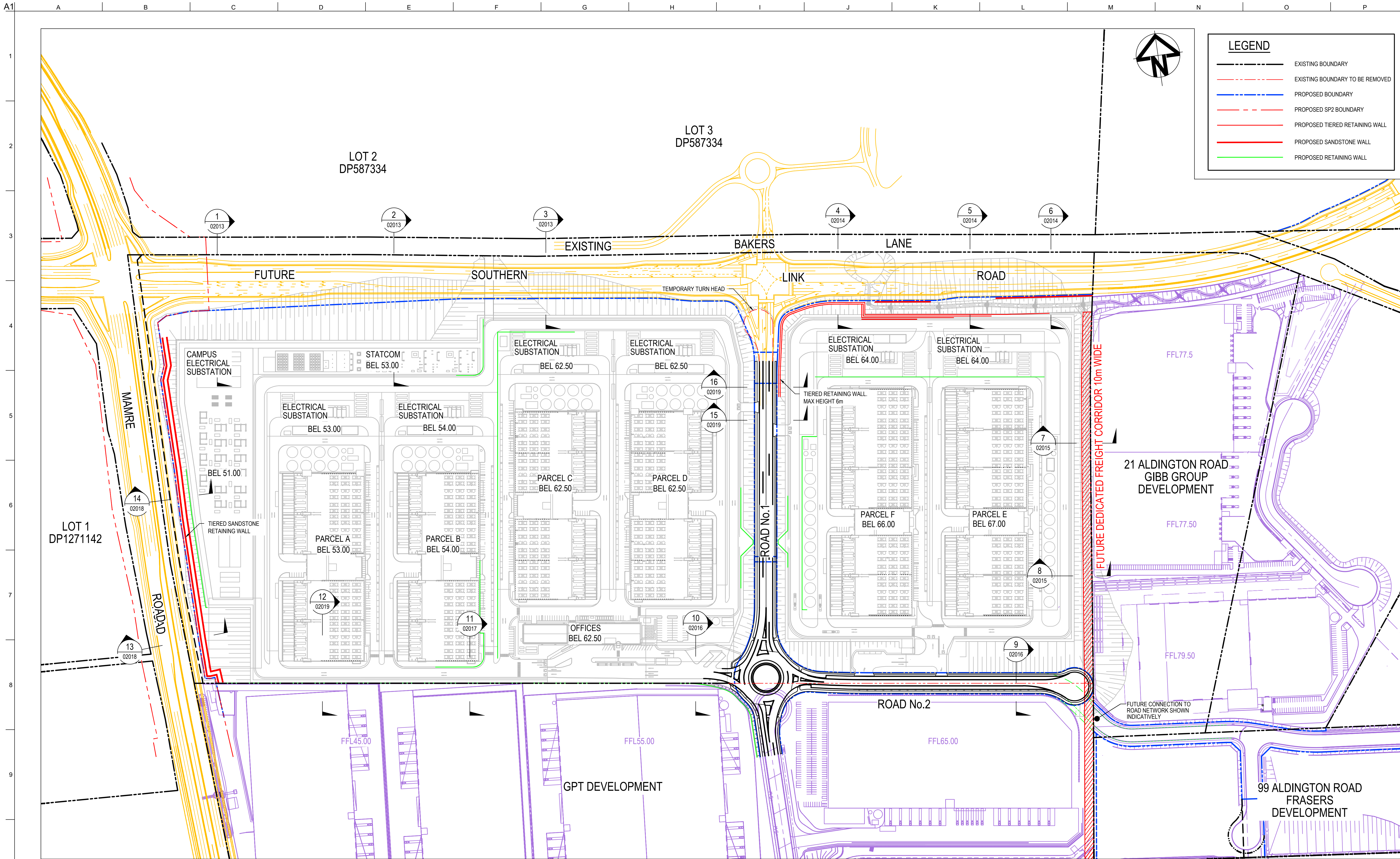
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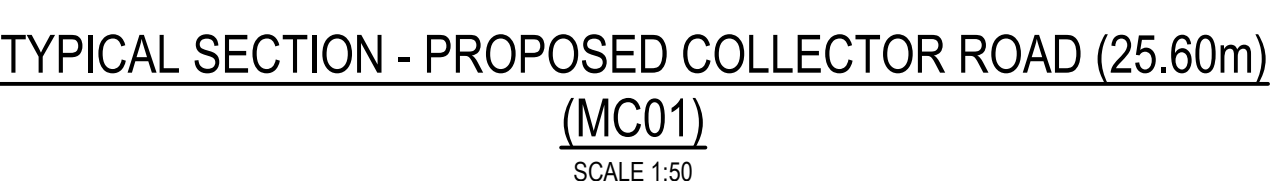
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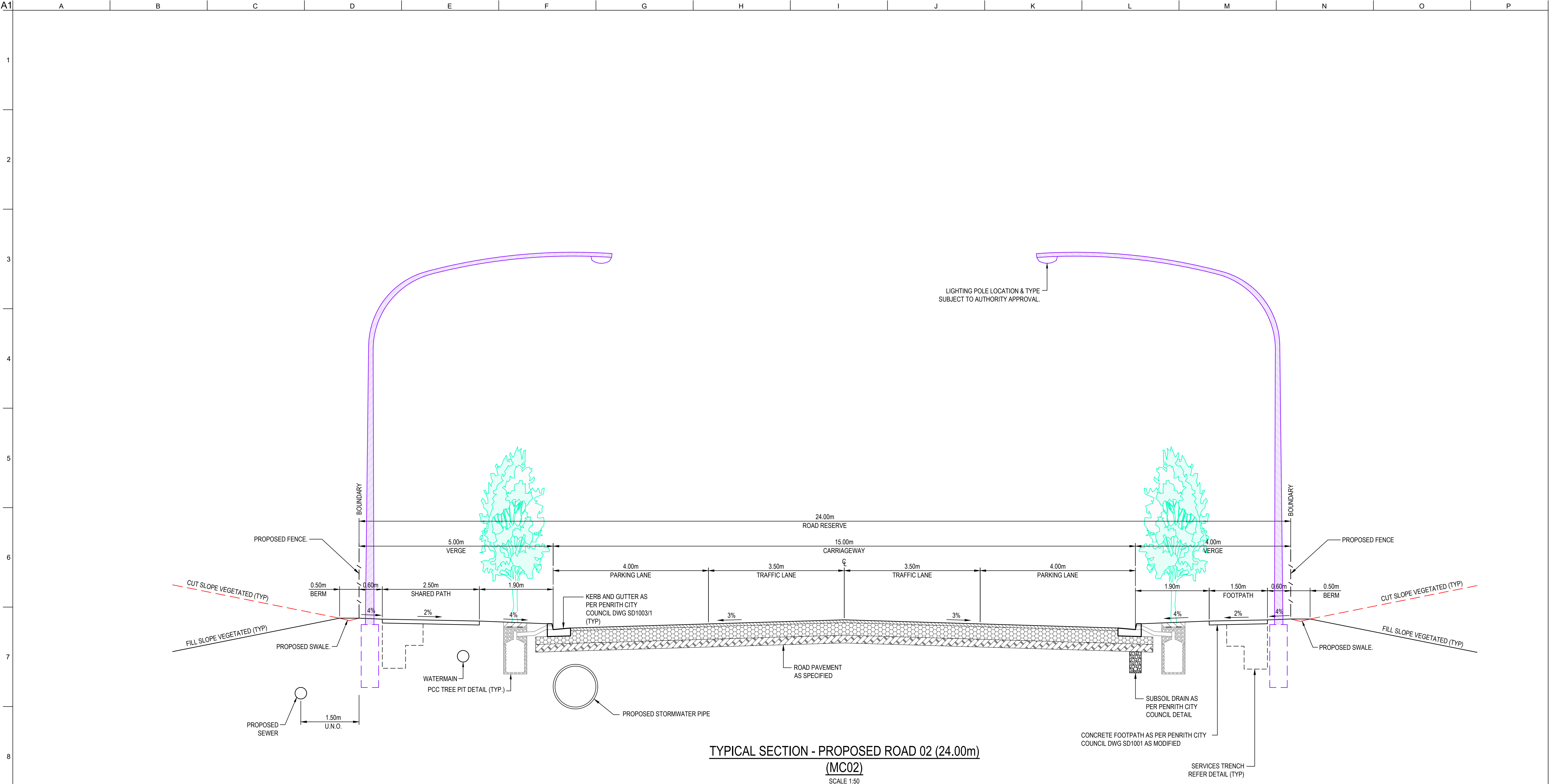


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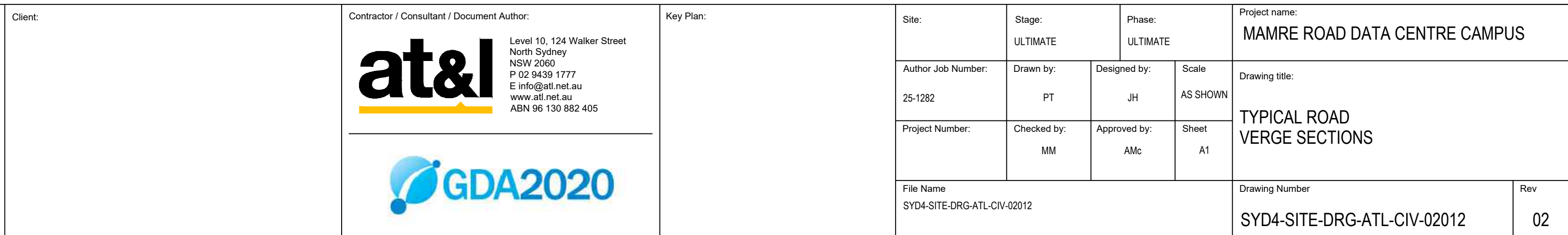
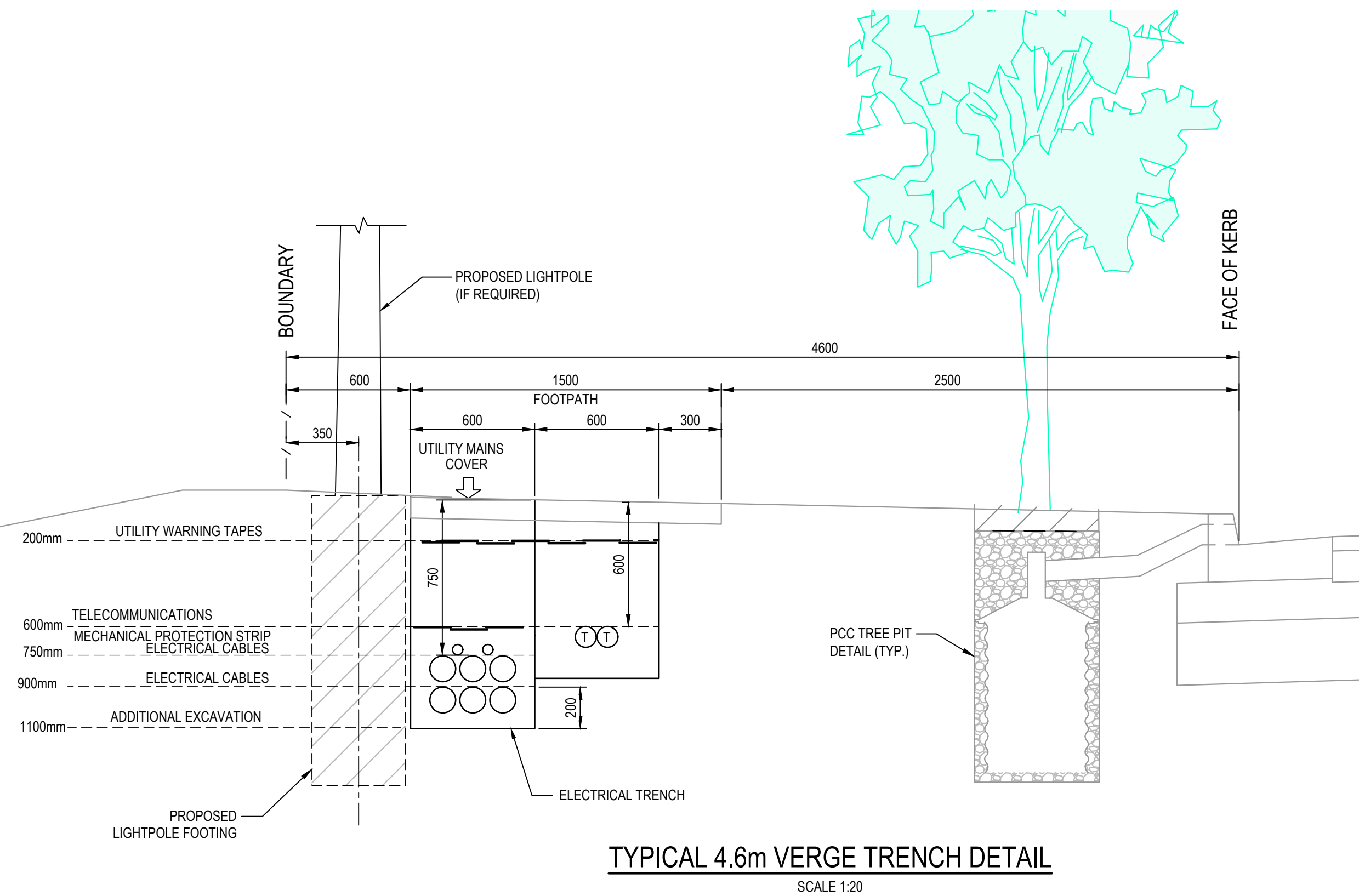
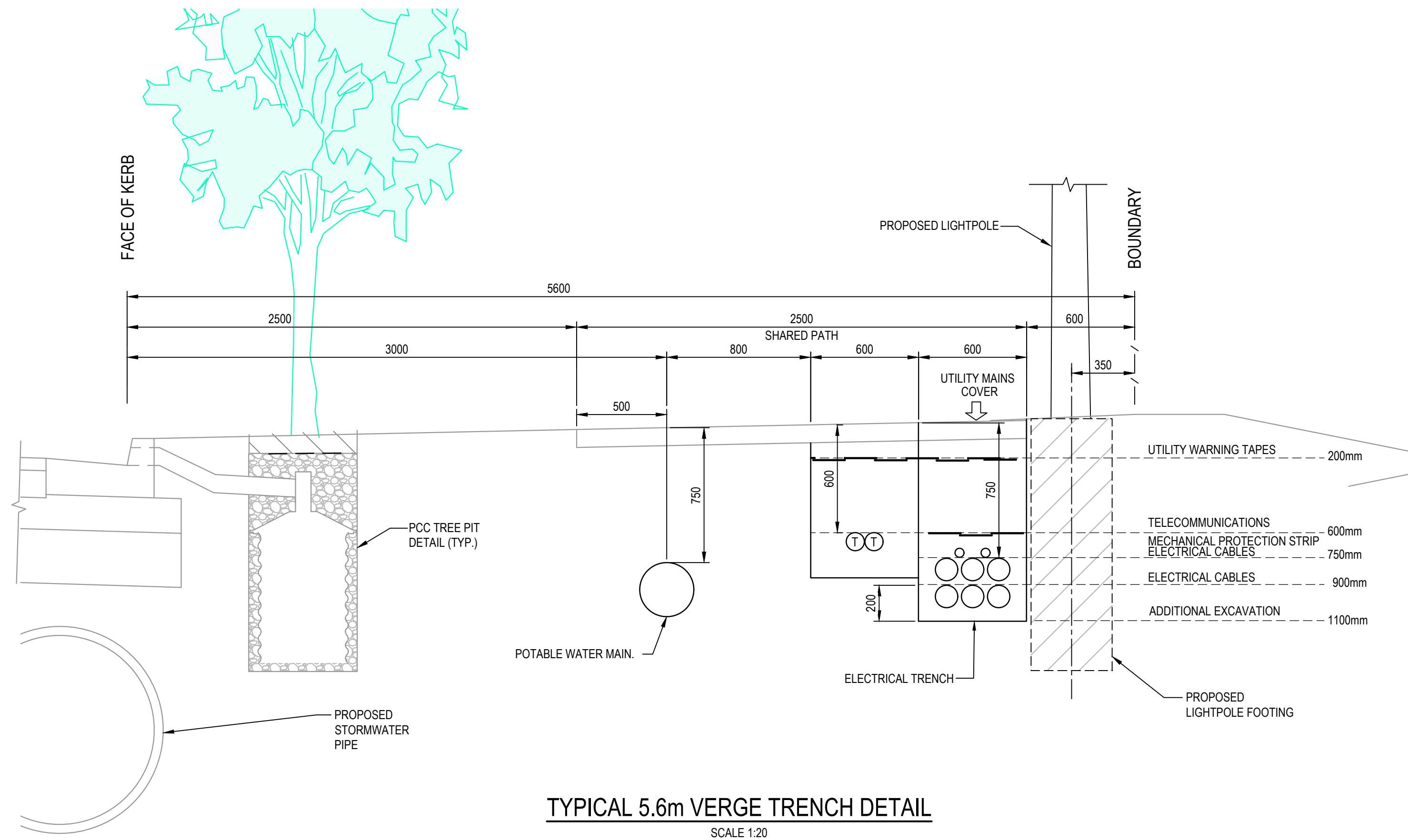
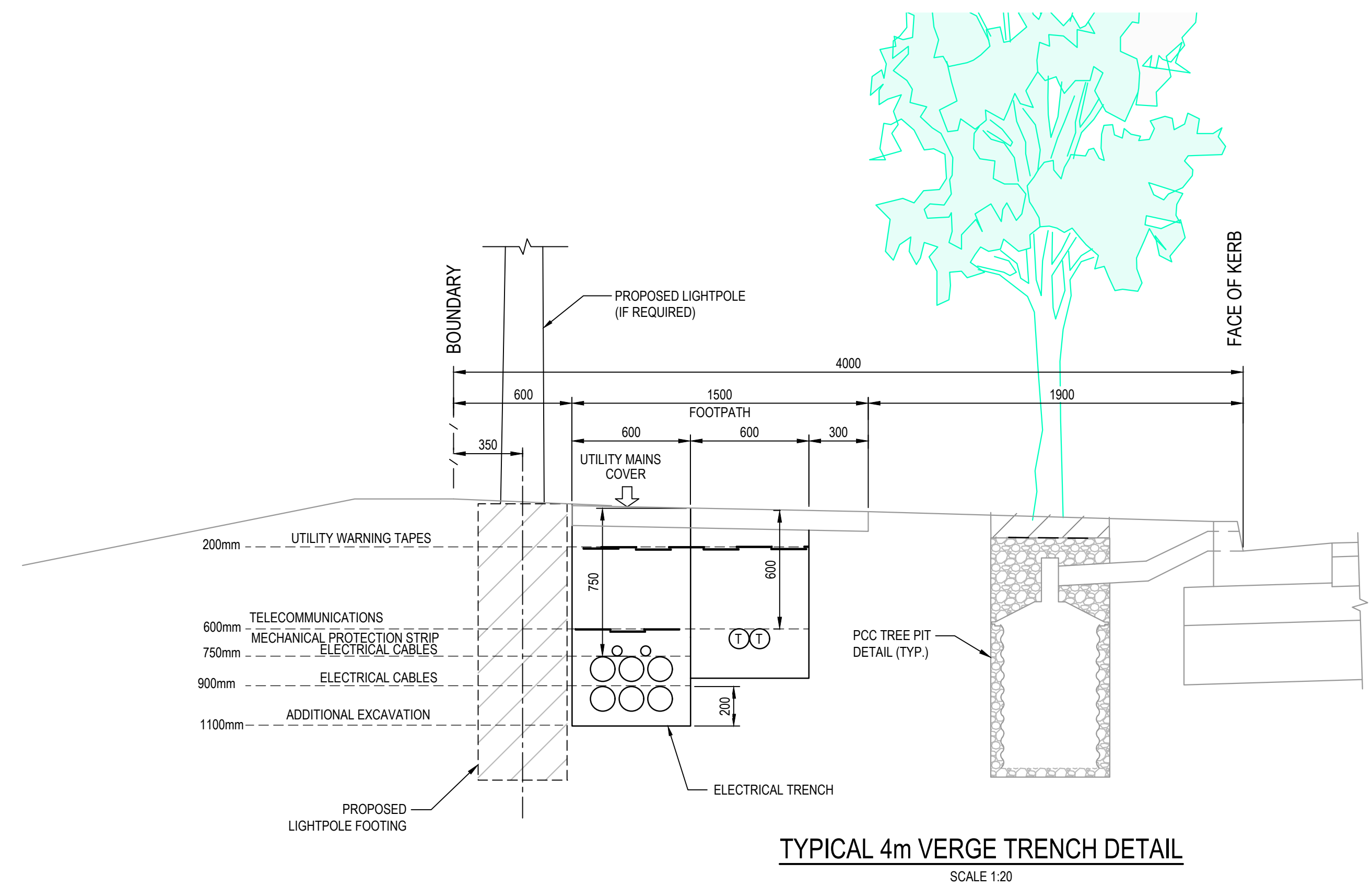
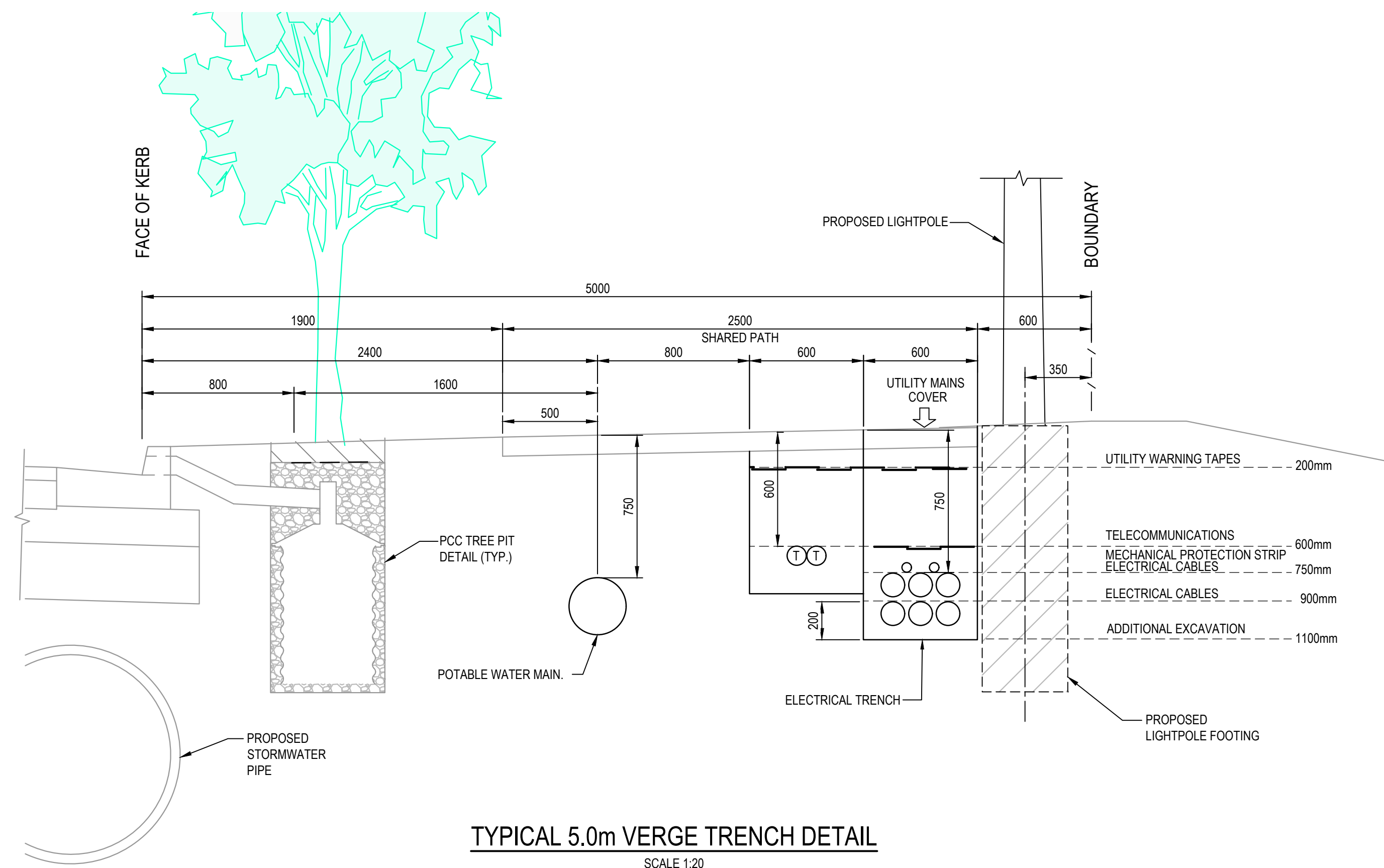
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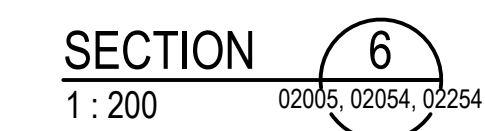
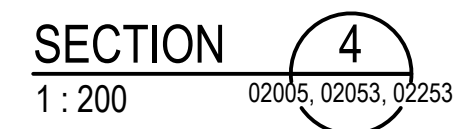


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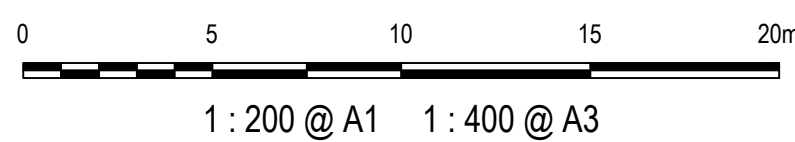




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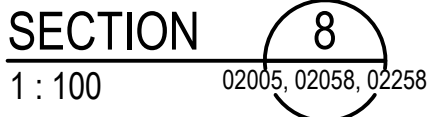
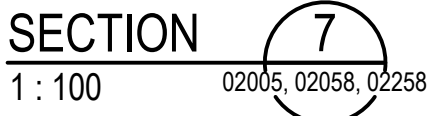
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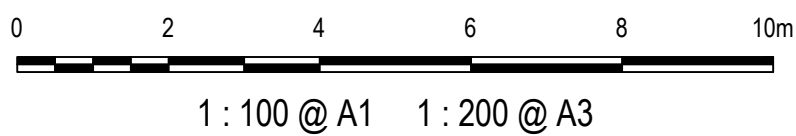
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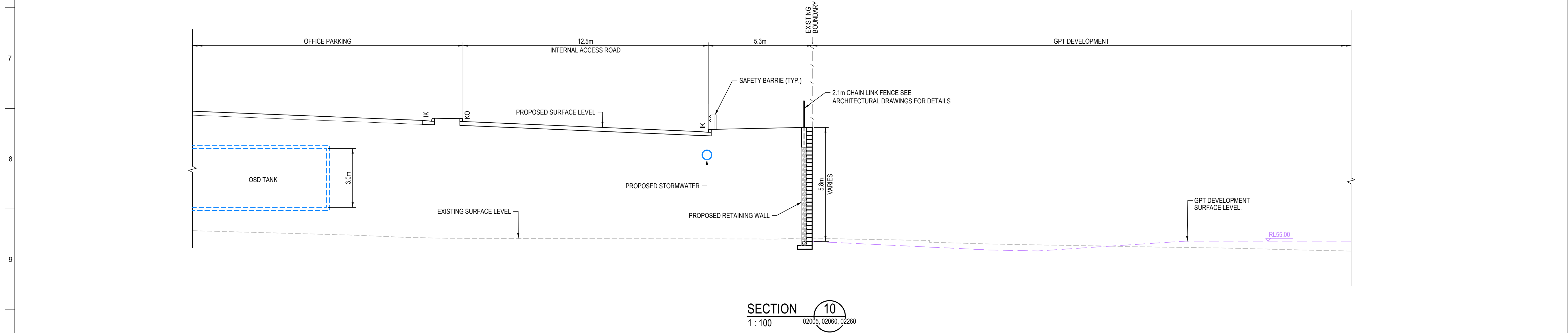
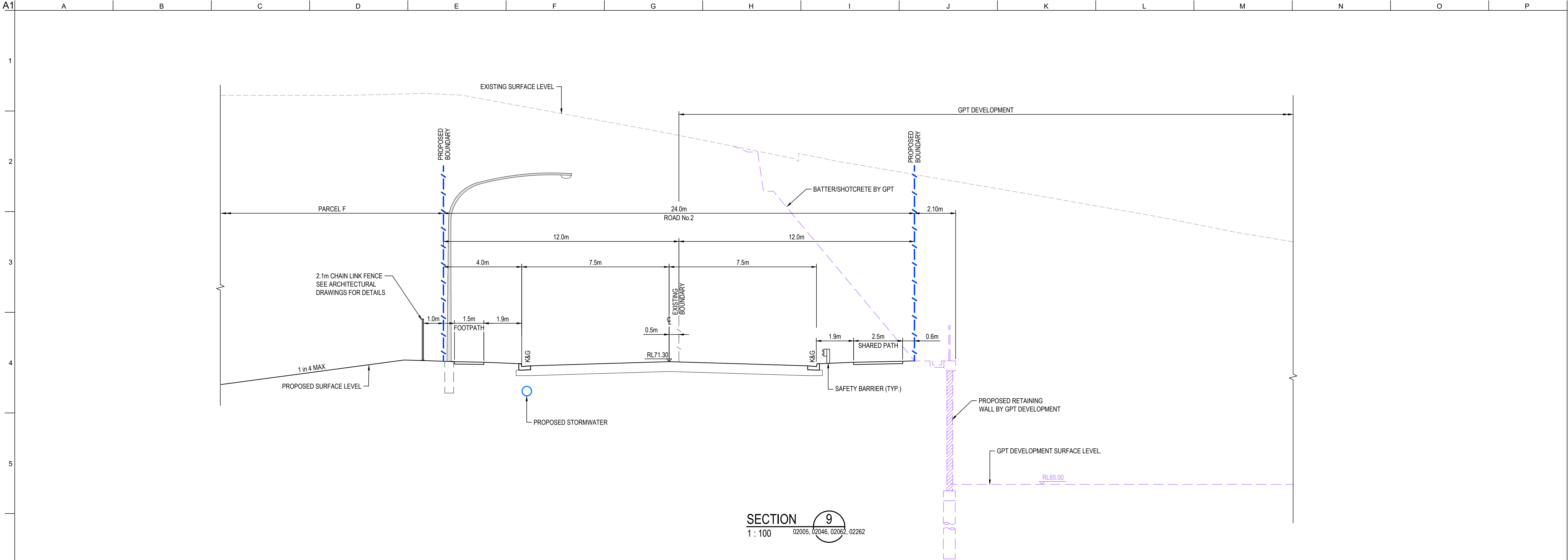
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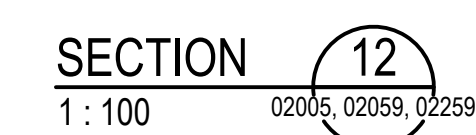
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 **GDA2020**

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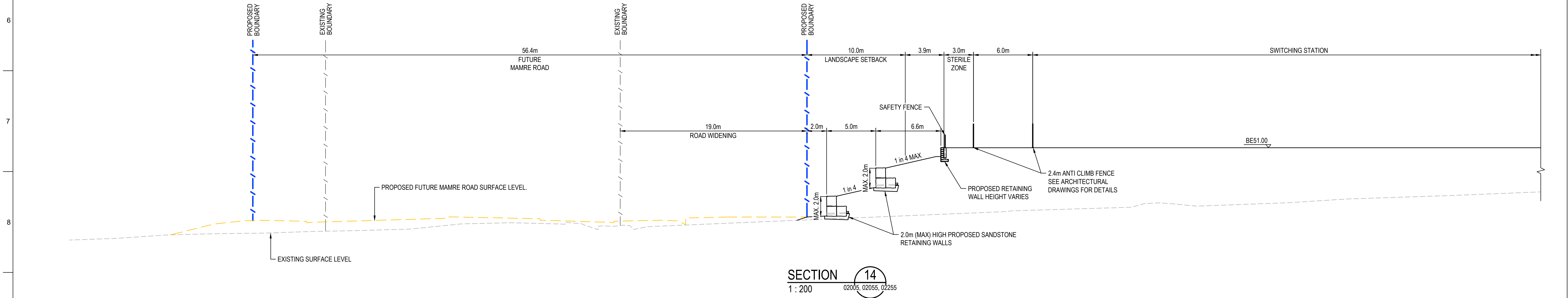
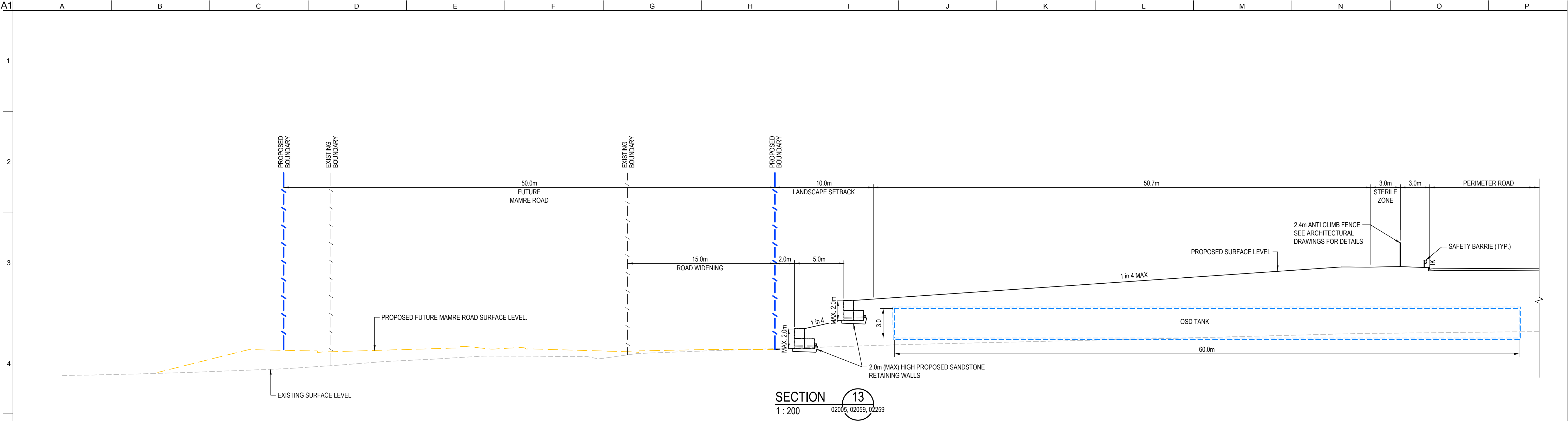
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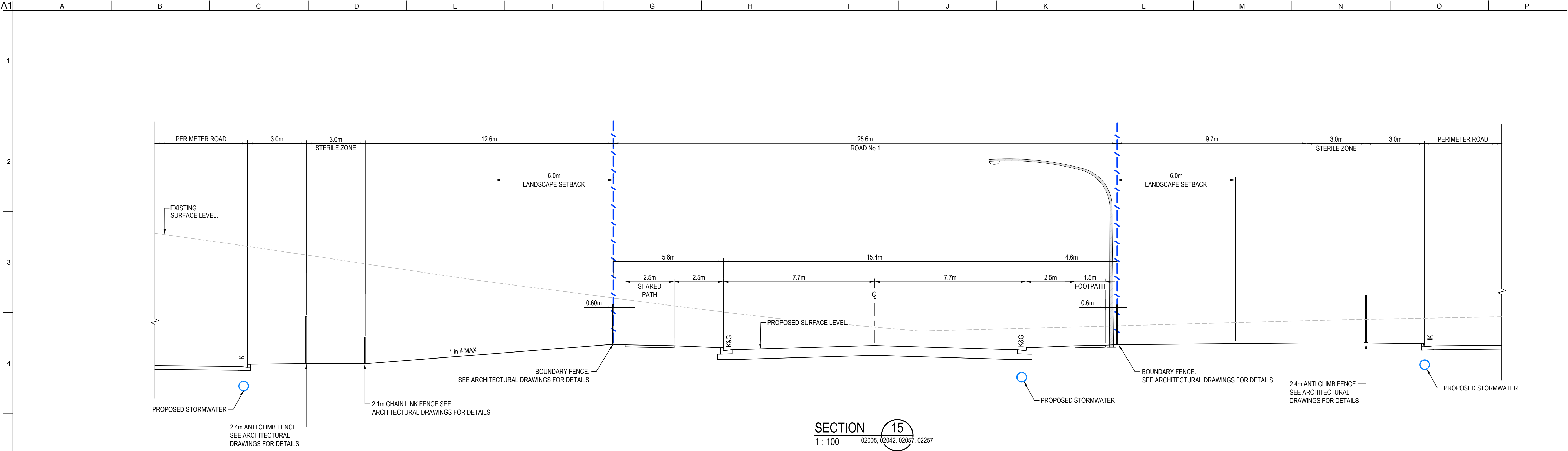
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Key Plan:

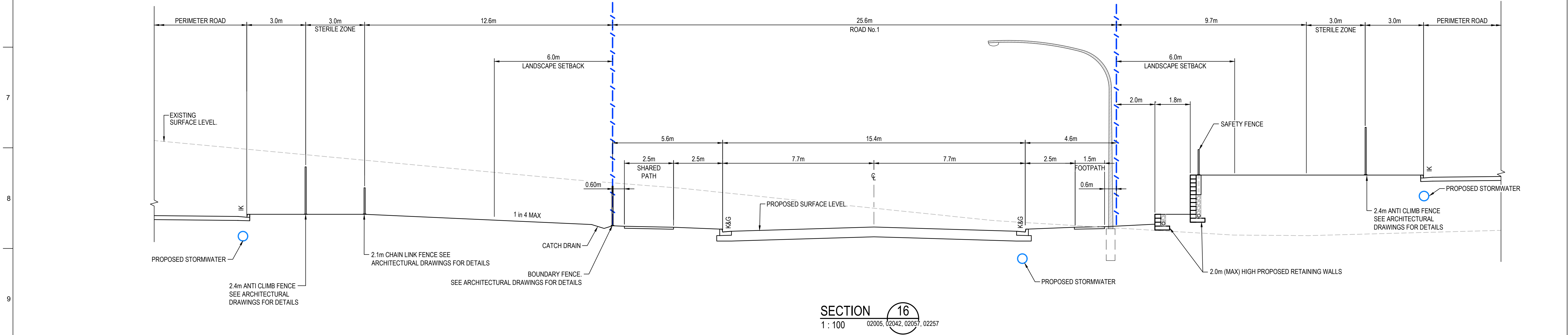
Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282		Drawn by: PT		Designed by: JH		Scale: 1:100	
Project Number:		Checked by: MM		Approved by: AMc		Sheet A1	
TYPICAL BOUNDARY SECTIONS SHEET 5						Drawing Number	
						SYD4-SITE-DRG-ATL-CIV-02017	
File Name SYD4-SITE-DRG-ATL-CIV-02017						Rev 02	



Drawing Status: FOR REVIEW			020050205502255 0 5 10 15 20m 1 : 200 @ A1 1 : 400 @ A3			Client:			Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405			Key Plan:			Site:			Stage: ULTIMATE			Phase: ULTIMATE			Project name: MAMRE ROAD DATA CENTRE CAMPUS		
Author Job Number: 25-1282						Drawn by: PT									Designed by: JH			Scale 1/200			Drawing title: TYPICAL BOUNDARY SECTIONS SHEET 6					
Project Number:						Checked by: MM									Approved by: AMc			Sheet A1								
File Name SYD4-SITE-DRG-ATL-CIV-02018															Drawing Number SYD4-SITE-DRG-ATL-CIV-02018			Rev 02								
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01	14-10-25	ISSUED FOR CLIENT REVIEW																								
Issue	Date	Description																								

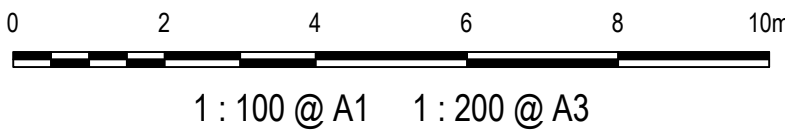


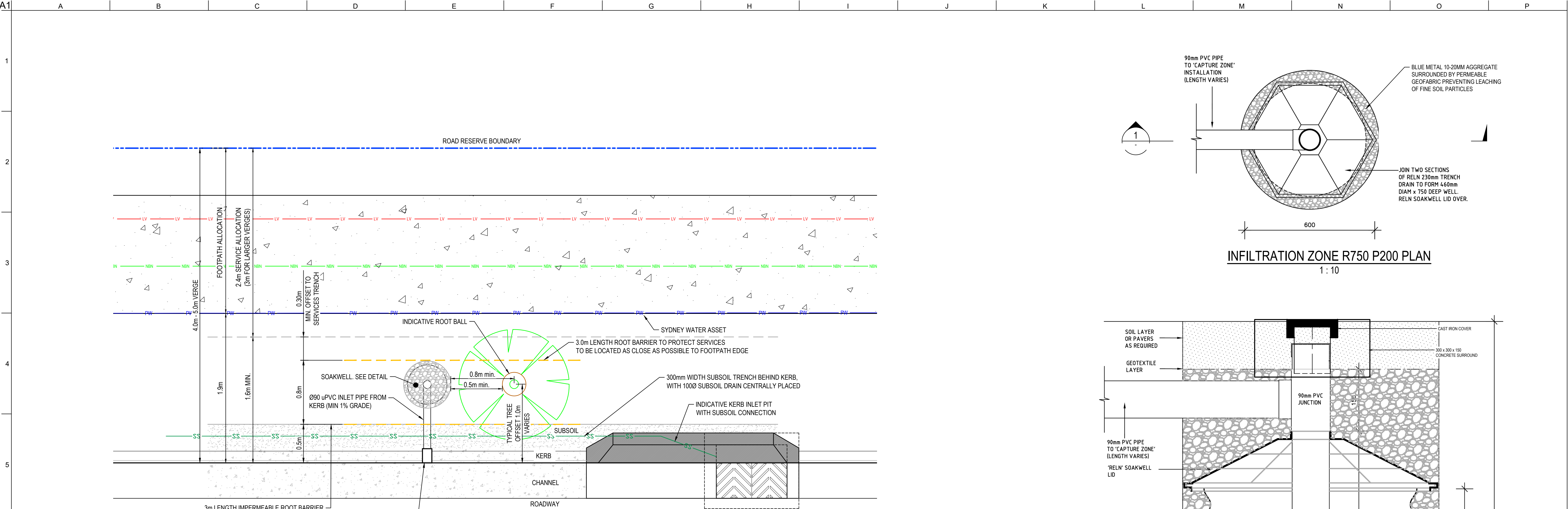
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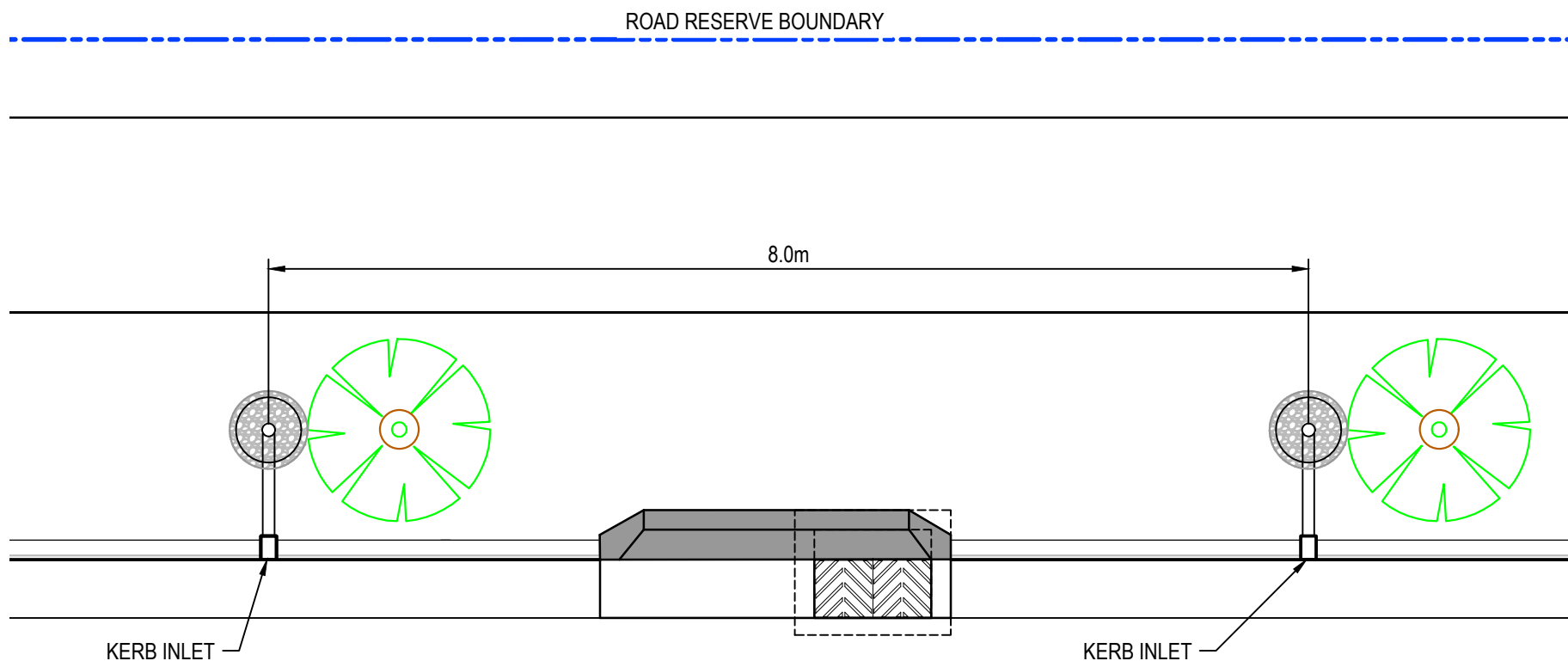
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												 Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@at&i.net.au www.at&i.net.au ABN 96 130 882 405									Author Job Number:		Drawn by:		Designed by:		Scale		Drawing title: TYPICAL BOUNDARY SECTIONS SHEET 7		
															25-1282		PT		JH		1:100										
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01 14-10-25 ISSUED FOR CLIENT REVIEW																															
Issue Date Description																															
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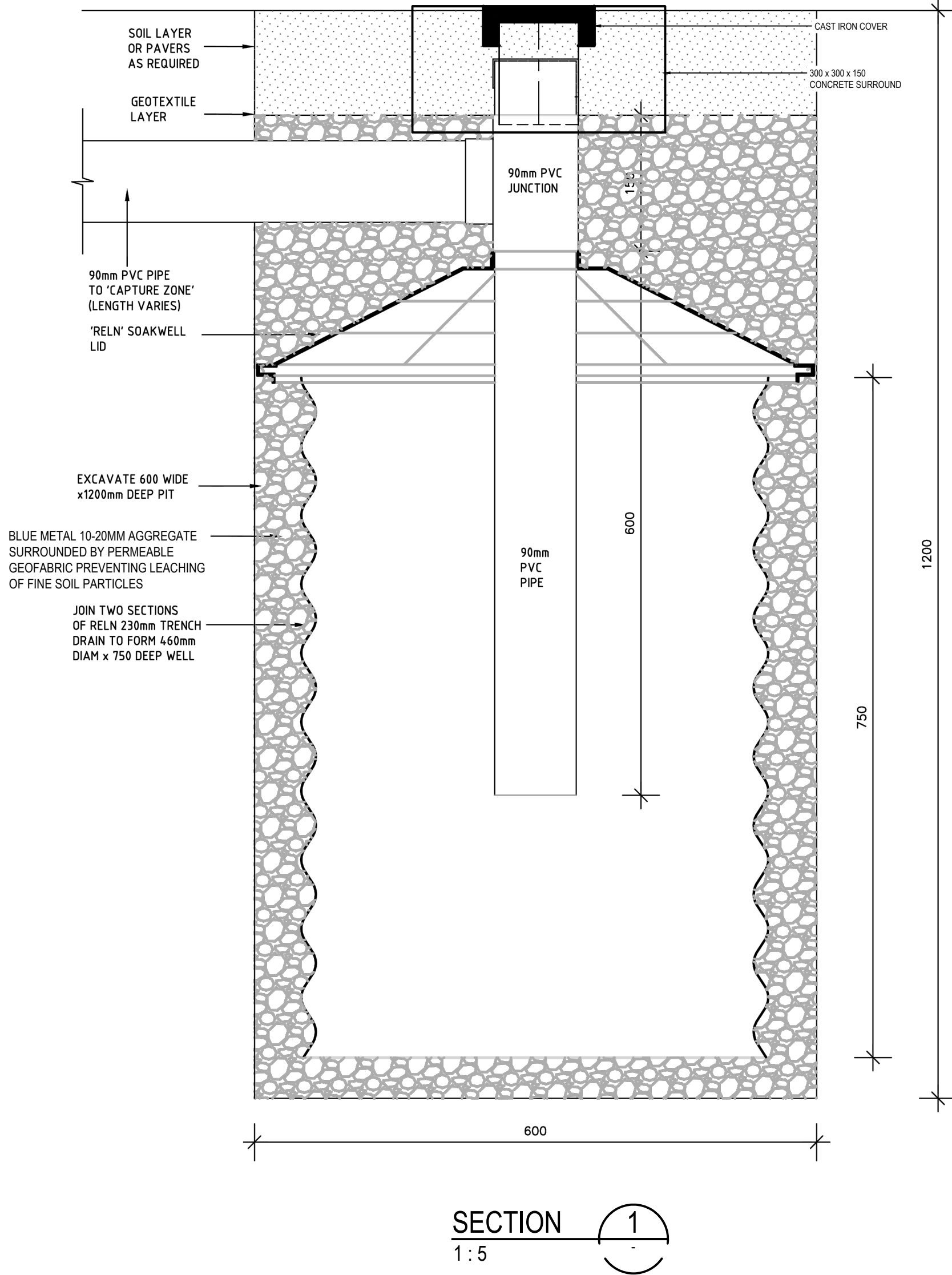
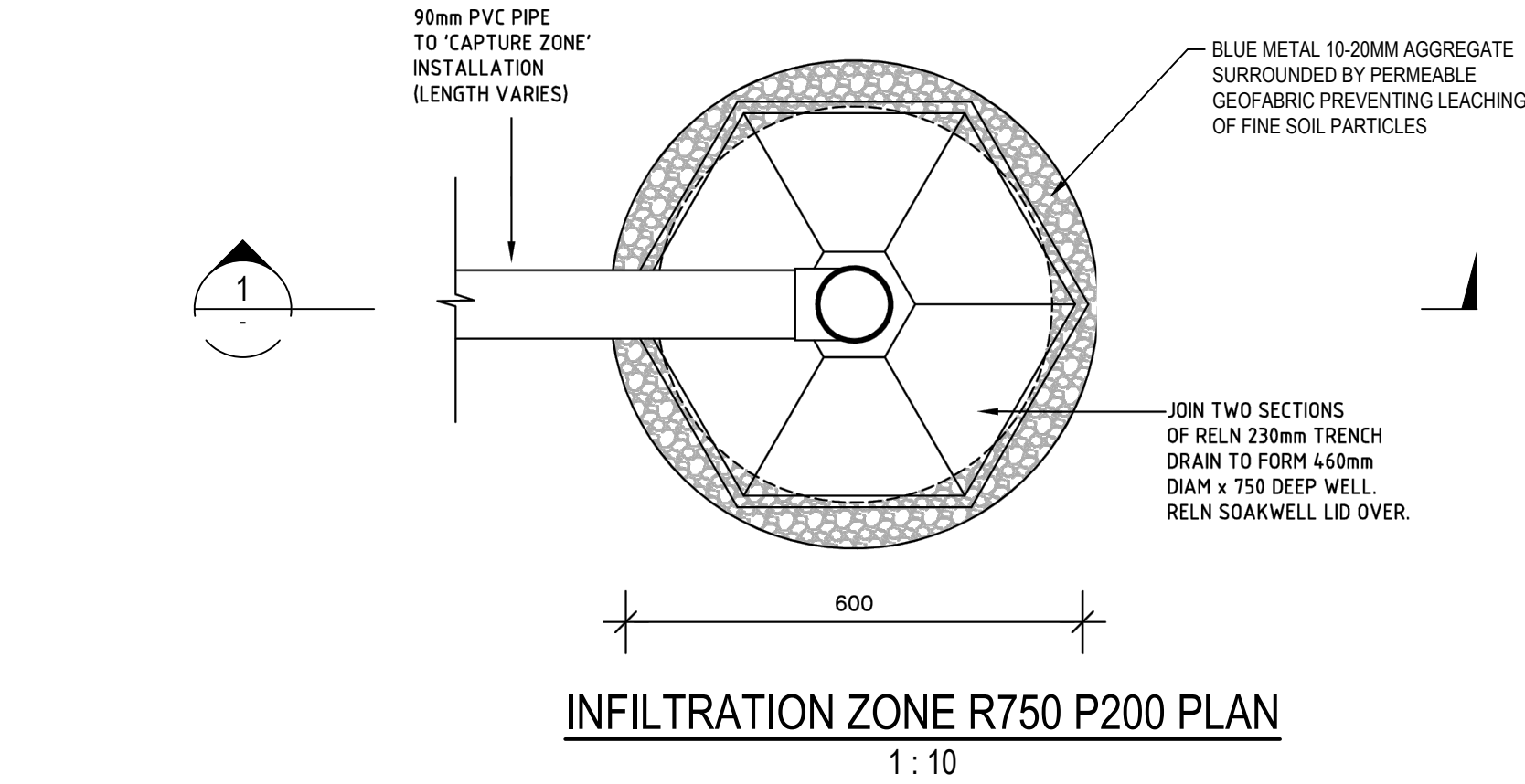




TYPICAL TREE PIT PLAN
ESTATE ROAD 4.0m - 5.6m VERGE
SCALE 1:25



TYPICAL TREE PIT SETOUT
ESTATE ROAD 4.0m - 5.6m VERGE
SCALE 1:50



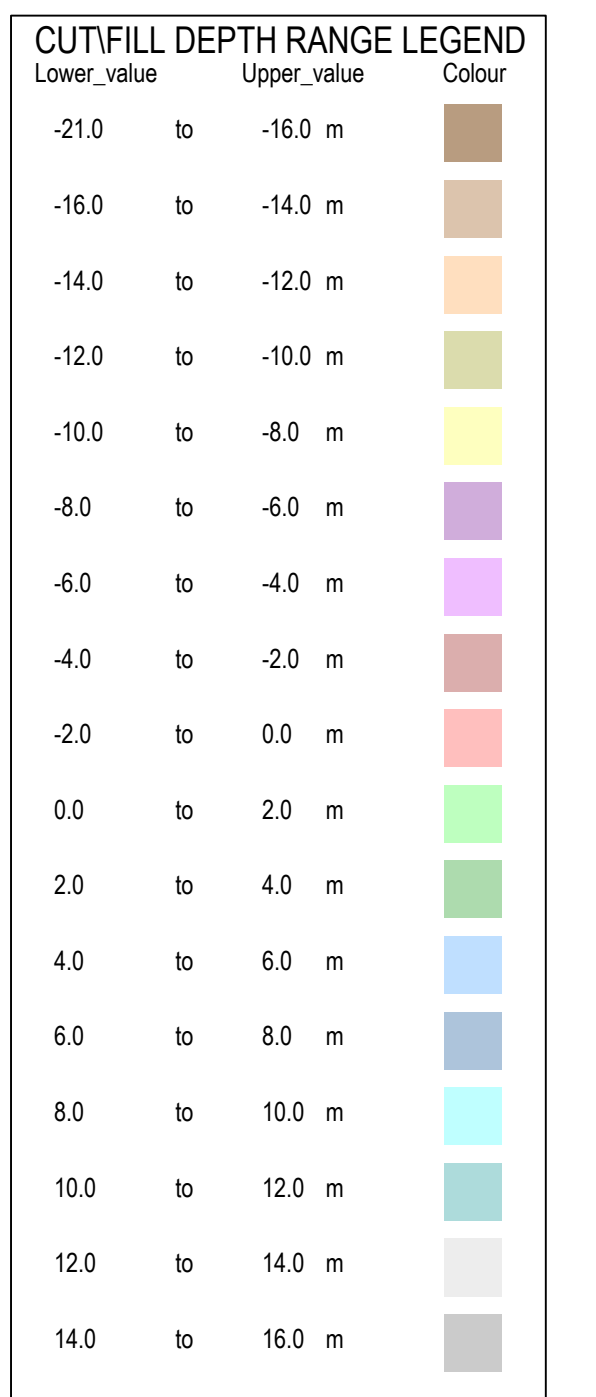
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Author Job Number: 25-1282			Drawn by: PT		Designed by: JH		Scale: AS SHOWN		Drawing title: TYPICAL BOUNDARY SECTIONS SHEET 8		Project Number:		Checked by: MM		Approved by: AMc		Sheet: A1		Drawing Number: SYD4-SITE-DRG-ATL-CIV-02020	
Issue: 02			Date: 23-10-25		Description: ISSUED FOR CLIENT REVIEW		Issue: 01		Date: 14-10-25		Description: ISSUED FOR CLIENT REVIEW		Issue: 02		Date: 14-10-25		Description: ISSUED FOR CLIENT REVIEW		Drawing Number: SYD4-SITE-DRG-ATL-CIV-02020	
Do not scale																			Rev: 02	

A	B	C	D	E	F=A+B+C+D+E
EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.2	EXCAVATION OF EROSION AND SEDIMENT BASINS	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-58,300	-20,000	-38,000	-897,000	936,100	-77,200 (EXPORT)

A	B	C	D	E	F = A+B+C+D+E
EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.2	EXCAVATION OF EROSION AND SEDIMENT BASINS	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-32,700	-14,100	-19,000	-602,200	410,100	-257,900 (EXPORT)

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EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.2	EXCAVATION OF EROSION AND SEDIMENT BASINS	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
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	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED BOUNDARY
	PROPOSED SP2 BOUNDARY



Drawing Status:		FOR REVIEW
03	10-11-25	ISSUED FOR CLIENT REVIEW
02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description



Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282		Drawn by: PT		Designed by: JH		Scale 1:2000	
Project Number:		Checked by: MM		Approved by: AMC		Sheet A1	
Drawing title: BULK EARTHWORKS PLAN							
File Name SYD4-SITE-DRG-ATL-CIV-02031						Drawing Number SYD4-SITE-DRG-ATL-CIV-02031	
						Rev 03	



FOR REVIEW

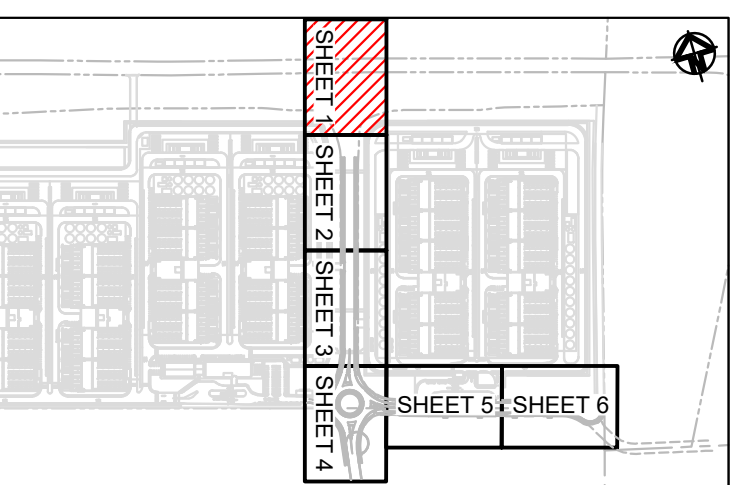


Contractor / Consultant / Document Author



Key Plan:

Site: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282	Drawn by: PT	Designed by: JH	Scale 1:500 1:1000 1:2000	Drawing title: BULK EARTHWORKS SECTIONS	
Project Number:	Checked by: MM	Approved by: AMc	Sheet A1		
File Name SYD4-SITE-DRG-ATL-CIV-02035			Drawing Number SYD4-SITE-DRG-ATL-CIV-02035		Rev 02



SITEWORKS LEGEND

- | | |
|--|--|
| | EXISTING BOUNDARY |
| | EXISTING BOUNDARY TO BE REMOVED |
| | EXISTING EASEMENT |
| | PROPOSED BOUNDARY |
| | PROPOSED EASEMENT |
| | FUTURE BOUNDARY |
| | PROPOSED TIERED RETAINING WALL |
| | PROPOSED RETAINING WALL |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | PROPOSED BATTER |
| | TEMPORARY BATTER 1(V):4(H) |
| | PERMANENT BATTER 1(V):5(H) |
| | TEMPORARY BATTER 1(V):3(H) U.N.O |
| | PROPOSED SAFETY BARRIER |
| | PROPOSED MOUNTABLE KERB |
| | PROPOSED KERB ONLY |
| | PROPOSED KERB AND GUTTER |
| | PROPOSED DRIVEWAY LAYBACK |
| | PROPOSED KERB RAMP |
| | LIMIT OF WORKS |
| | PROPOSED LIGHT POLE |
| | PROPOSED SEWER |
| | PROPOSED CATCH DRAIN |
| | PROPOSED STORMWATER JUNCTION PIT |
| | PROPOSED STORMWATER JUNCTION PIT |
| | PROPOSED STORMWATER KERB INLET PIT WITH LINTEL |
| | PROPOSED STORMWATER PIPE WITH HEADWALL |
| | PROPOSED CAPPED STORMWATER PIPE |
| | PROPOSED STORMWATER PIT LABEL |
| | PROPOSED STORMWATER PIPE, SIZE AND DIRECTION |
| | PROPOSED 300mm WIDE GRATED DRAIN WITH CLASS D GRATE |
| | PROPOSED INDUSTRIAL ROAD PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED FOOTPATH PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED INDUSTRIAL DRIVEWAY PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED LANDSCAPING. SEE ARCHITECTURAL PLANS FOR DETAILS |
| | ROUNDABOUT CONCRETE APRON |
| | CUL-DE-SEC PAVEMENT |

Drawing Status:			FOR REVIEW
02	23-10-25	ISSUED FOR CLIENT REVIEW	
01	14-10-25	ISSUED FOR CLIENT REVIEW	
Issue	Date	Description	



Contractor / Consultant / Document Author:



Key Plan:

Stage:

Phase:

Project name:

MAMRE ROAD DATA CENTRE CAMPUS

Author Job Number:

Drawn by:

Designed by:

Scale

25-1282

PT

H

1:250

25-1202

11

On

100

Project Number:

Checked by:

Approved by:

Sheet

MM

AMc

A1

100

File Name

Drawing title:

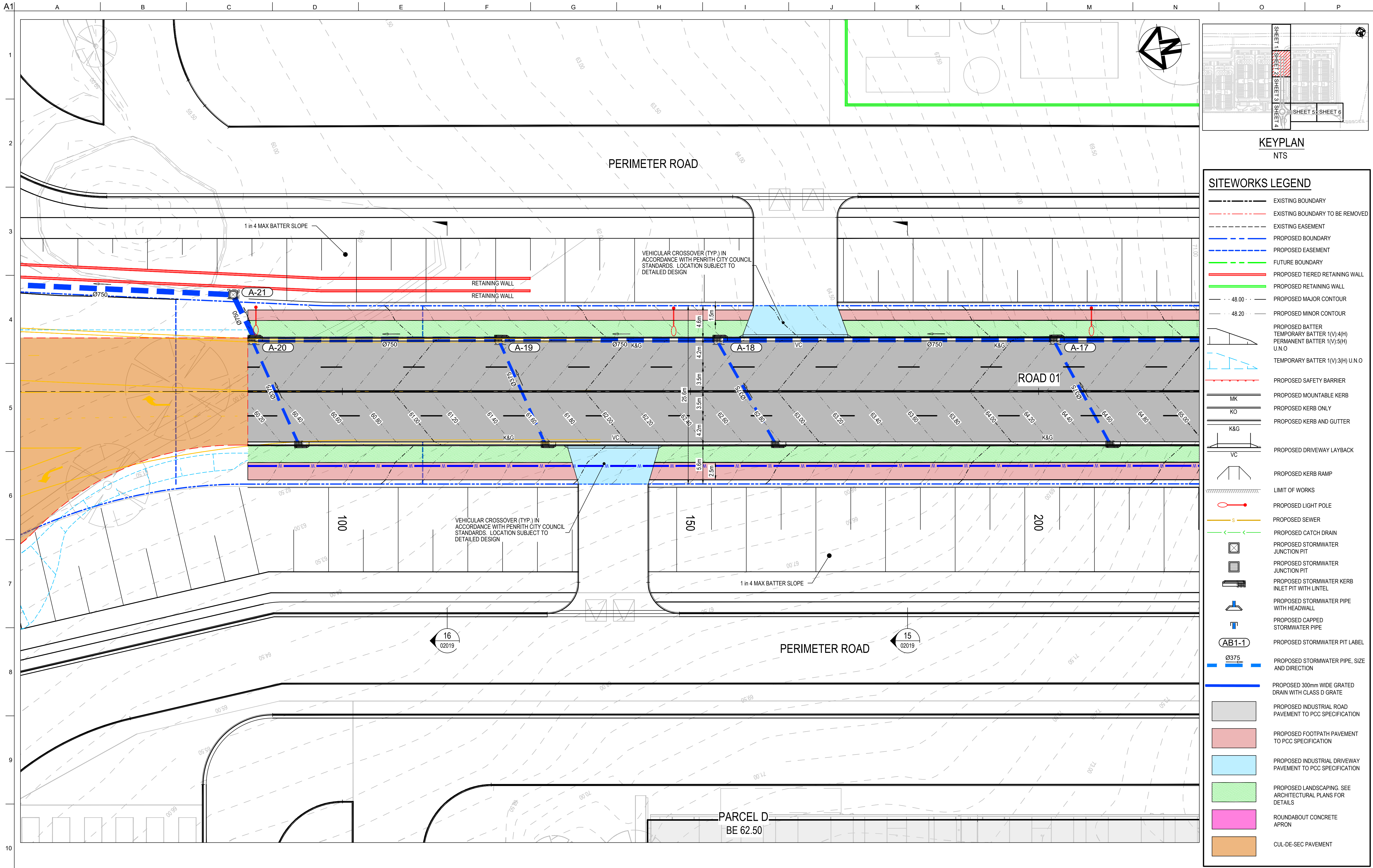
**ROADWORKS &
STORMWATER DRAINAGE
PLAN
SHEET 1**

Drawing Number

SYD4-SITE-DRG-ATL-CIV-02041

02

CONFIDENTIAL



KEYPLAN
NTS

SITeworks LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- FUTURE BOUNDARY
- PROPOSED TIERED RETAINING WALL
- PROPOSED RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED BATTER
- TEMPORARY BATTER 1(V):4(H)
- PERMANENT BATTER 1(V):5(H)
- U.N.O
- TEMPORARY BATTER 1(V):3(H) U.N.O
- PROPOSED SAFETY BARRIER
- PROPOSED MOUNTABLE KERB
- PROPOSED KERB ONLY
- PROPOSED KERB AND GUTTER
- PROPOSED DRIVEWAY LAYBACK
- PROPOSED KERB RAMP
- LIMIT OF WORKS
- PROPOSED LIGHT POLE
- PROPOSED SEWER
- PROPOSED CATCH DRAIN
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
- PROPOSED STORMWATER PIPE WITH HEADWALL
- PROPOSED CAPPED STORMWATER PIPE
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER PIPE, SIZE AND DIRECTION
- PROPOSED 300mm WIDE GRATED DRAIN WITH CLASS D GRATE
- PROPOSED INDUSTRIAL ROAD PAVEMENT TO PCC SPECIFICATION
- PROPOSED FOOTPATH PAVEMENT TO PCC SPECIFICATION
- PROPOSED INDUSTRIAL DRIVEWAY PAVEMENT TO PCC SPECIFICATION
- PROPOSED LANDSCAPING. SEE ARCHITECTURAL PLANS FOR DETAILS
- ROUNDABOUT CONCRETE APRON
- CUL-DE-SEC PAVEMENT

Drawing Status:
FOR REVIEW

02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Client:

Contractor / Consultant / Document Author:
at&I
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@at&i.net.au
www.at&i.net.au
ABN 96 130 882 405

Key Plan:

Site:

Stage:
ULTIMATE

Phase:
ULTIMATE

Author Job Number:
25-1282

Drawn by:
PT

Designed by:
JH

Scale:
1:250

Project Number:

Checked by:
MM

Approved by:
AMc

Sheet
A1

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SYD4-SITE-DRG-ATL-CIV-02042

Drawing Number
SYD4-SITE-DRG-ATL-CIV-02042

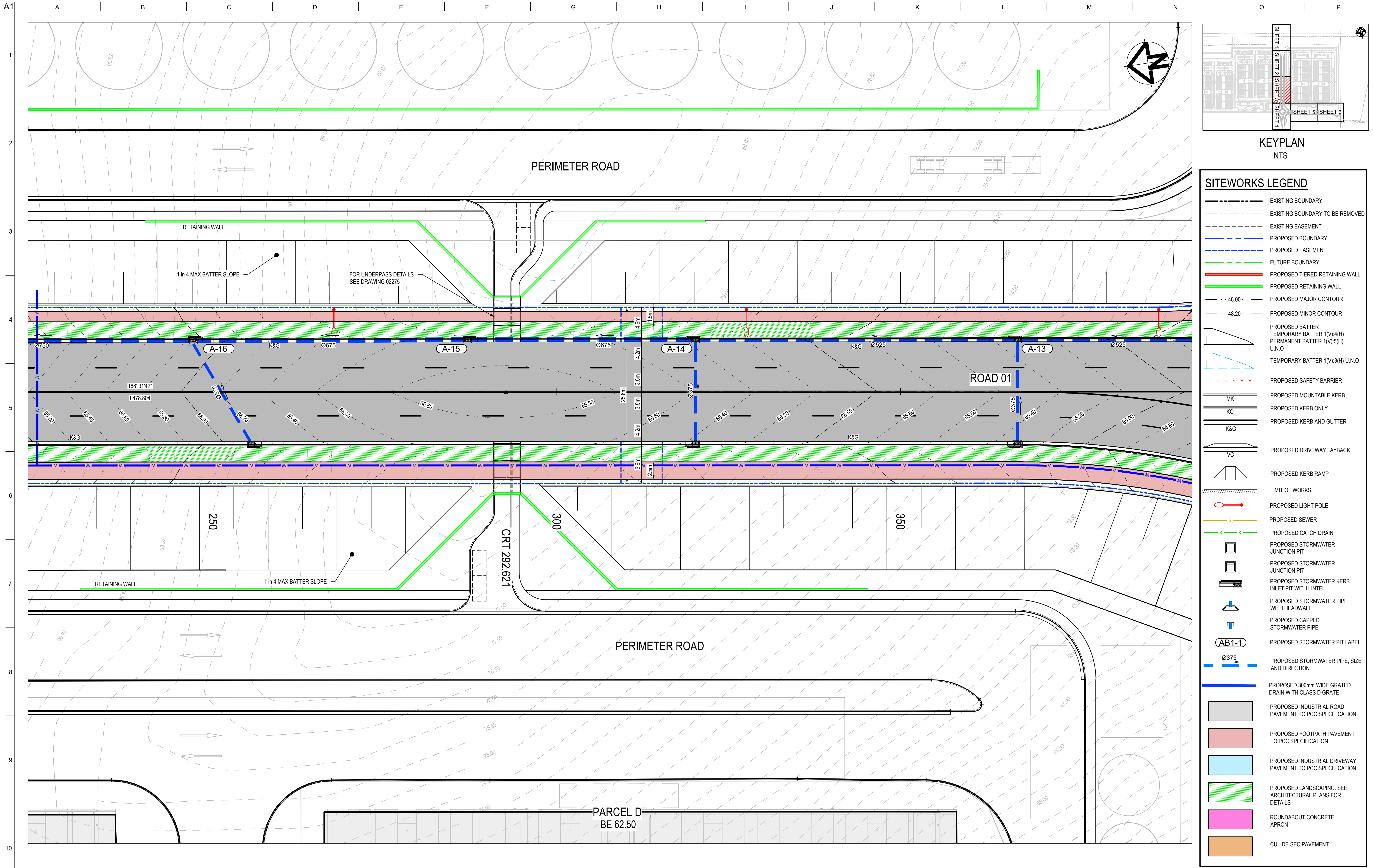
Rev
02

Project name:
MAMRE ROAD DATA CENTRE CAMPUS

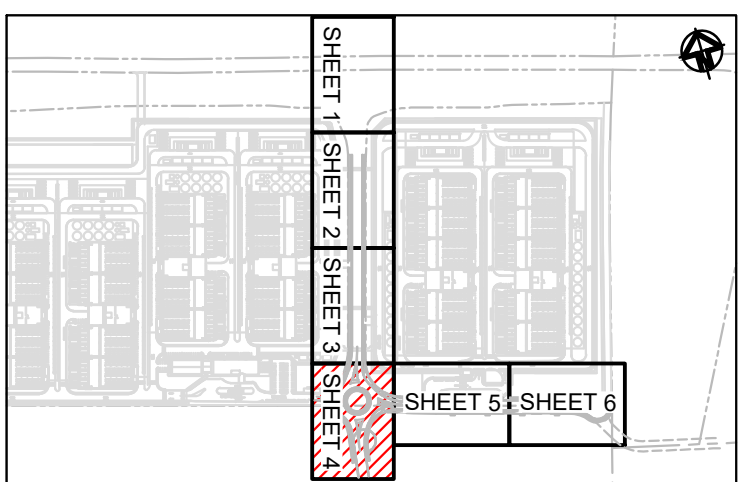
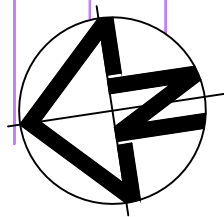
Drawing title:
ROADWORKS &
STORMWATER DRAINAGE
PLAN
SHEET 2

Do not scale

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Drawing Status:			FOR REVIEW			0510152025m 1 : 250 @ A1 1 : 500 @ A3			Client:			Contractor / Consultant / Document Author: at&i Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405			Key Plan:			Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Author Job Number: 25-1282	Drawn by: PT	Designed by: JH	Scale 1:250	Drawing title: ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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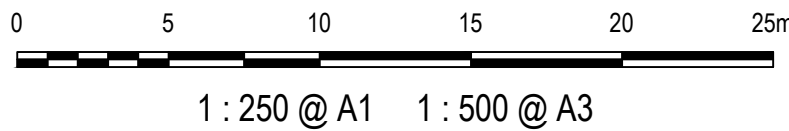


KEYPLAN
NTS

SITEWORKS LEGEND

- | | |
|--|--|
| | EXISTING BOUNDARY |
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| | EXISTING EASEMENT |
| | PROPOSED BOUNDARY |
| | PROPOSED EASEMENT |
| | FUTURE BOUNDARY |
| | PROPOSED TIERED RETAINING WALL |
| | PROPOSED RETAINING WALL |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | PROPOSED BATTER |
| | TEMPORARY BATTER 1(V):4(H) |
| | PERMANENT BATTER 1(V):5(H) |
| | TEMPORARY BATTER 1(V):3(H) U.N.O |
| | PROPOSED SAFETY BARRIER |
| | PROPOSED MOUNTABLE KERB |
| | PROPOSED KERB ONLY |
| | PROPOSED KERB AND GUTTER |
| | PROPOSED DRIVEWAY LAYBACK |
| | PROPOSED KERB RAMP |
| | LIMIT OF WORKS |
| | PROPOSED LIGHT POLE |
| | PROPOSED SEWER |
| | PROPOSED CATCH DRAIN |
| | PROPOSED STORMWATER JUNCTION PIT |
| | PROPOSED STORMWATER JUNCTION PIT |
| | PROPOSED STORMWATER KERB INLET PIT WITH LINTEL |
| | PROPOSED STORMWATER PIPE WITH HEADWALL |
| | PROPOSED CAPPED STORMWATER PIPE |
| | PROPOSED STORMWATER PIT LABEL |
| | PROPOSED STORMWATER PIPE, SIZE AND DIRECTION |
| | PROPOSED 300mm WIDE GRATED DRAIN WITH CLASS D GRATE |
| | PROPOSED INDUSTRIAL ROAD PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED FOOTPATH PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED INDUSTRIAL DRIVEWAY PAVEMENT TO PCC SPECIFICATION |
| | PROPOSED LANDSCAPING. SEE ARCHITECTURAL PLANS FOR DETAILS |
| | ROUNDABOUT CONCRETE APRON |
| | CUL-DE-SEC PAVEMENT |

Drawing Status:			FOR REVIEW
02	23-10-25	ISSUED FOR CLIENT REVIEW	
01	14-10-25	ISSUED FOR CLIENT REVIEW	
Issue	Date	Description	



Client:

Contractor / Consultant / Document Author:



Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Key Plan:

Site:

Stage:

Phase:

Project name:

MAMRE ROAD DATA CENTRE CAMPUS

Author Job Number:

Drawn by:

Designed by:

Scale

25-1282

PT

JH

1:250

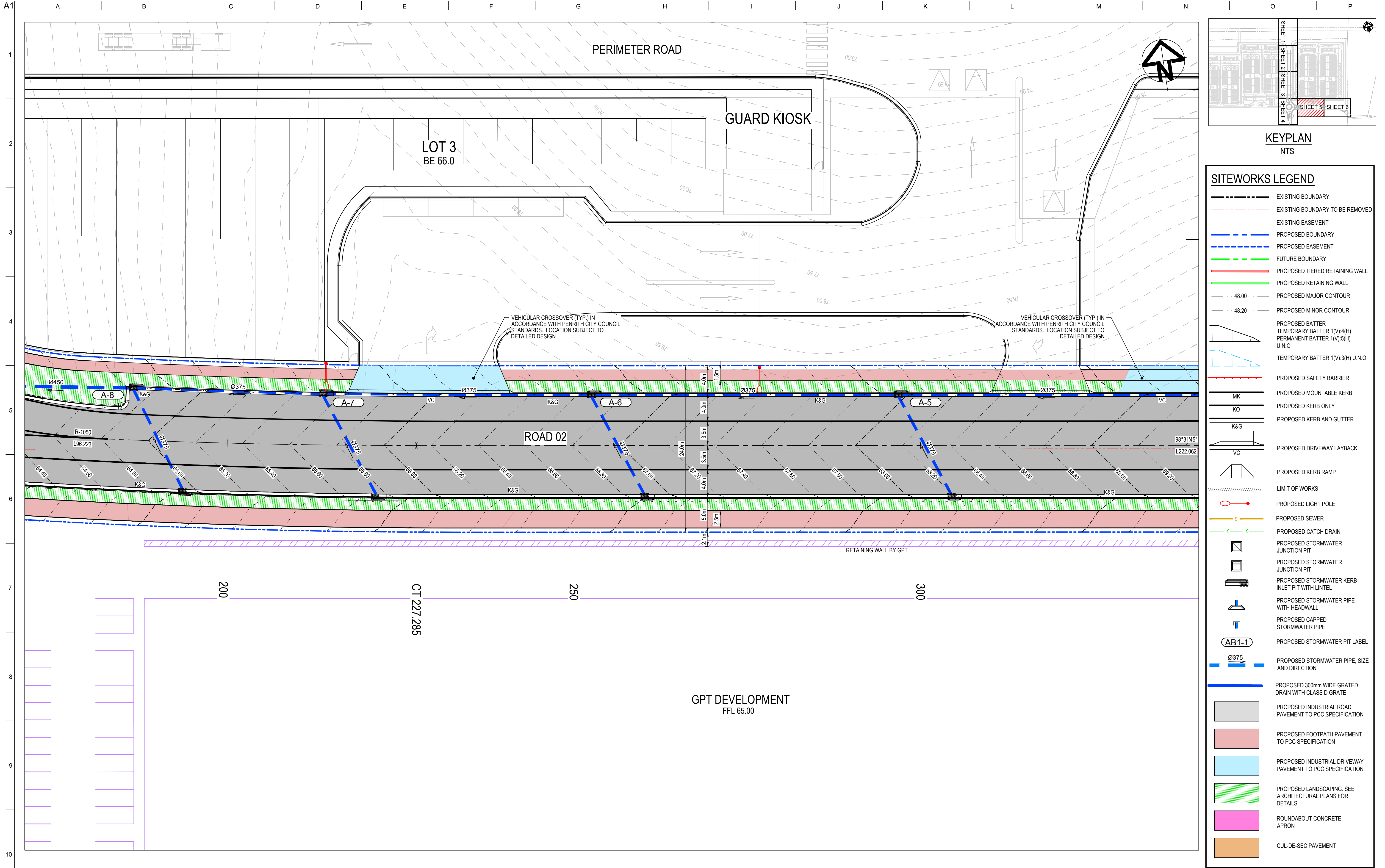
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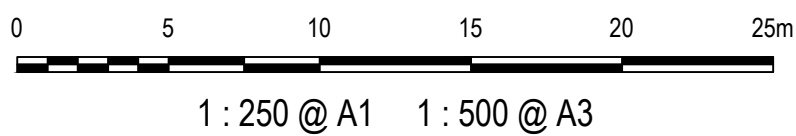
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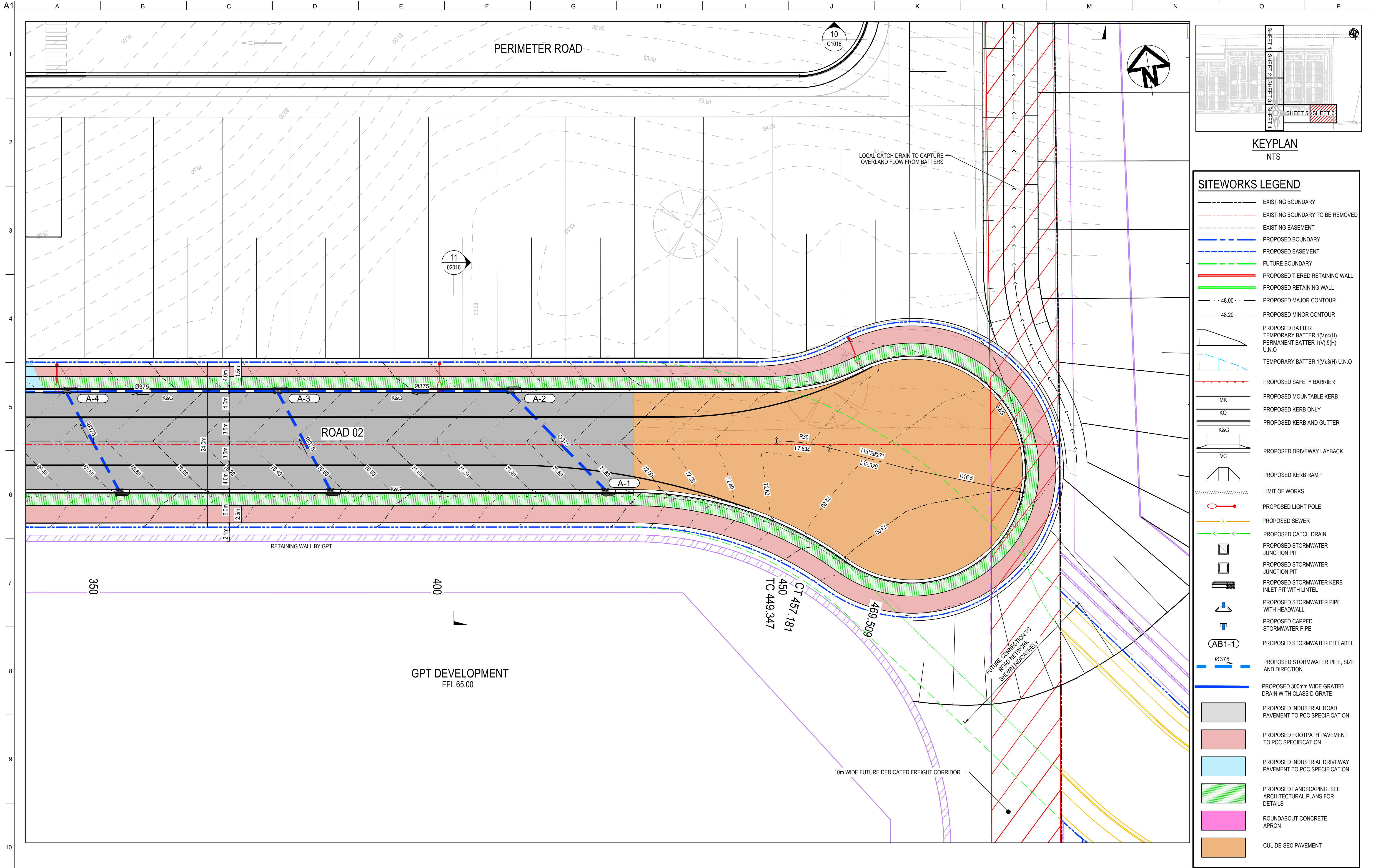
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Drawing Status: FOR REVIEW			Client:		Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Key Plan:		Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
									Author Job Number: 25-1282		Drawn by: PT		Designed by: JH		Scale: 1:250	
									Project Number:		Checked by: MM		Approved by: AMc		Sheet: A1	
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01 14-10-25 ISSUED FOR CLIENT REVIEW																
Issue Date Description																
Do not scale																

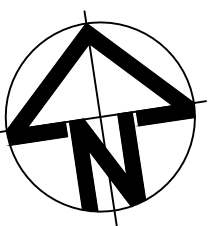


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Drawing Status: FOR REVIEW			Client:			Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405			Key Plan:			Site:			Stage: ULTIMATE			Phase: ULTIMATE			Project name: MAMRE ROAD DATA CENTRE CAMPUS		
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File Name: SYD4-SITE-DRG-ATL-CIV-02046			Drawing Number: SYD4-SITE-DRG-ATL-CIV-02046			Rev: 02			Drawing title: ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 6			Drawing Number: SYD4-SITE-DRG-ATL-CIV-02046			Rev: 02			Drawing title: ROADWORKS & STORMWATER DRAINAGE PLAN SHEET 6			Drawing Number: SYD4-SITE-DRG-ATL-CIV-02046		

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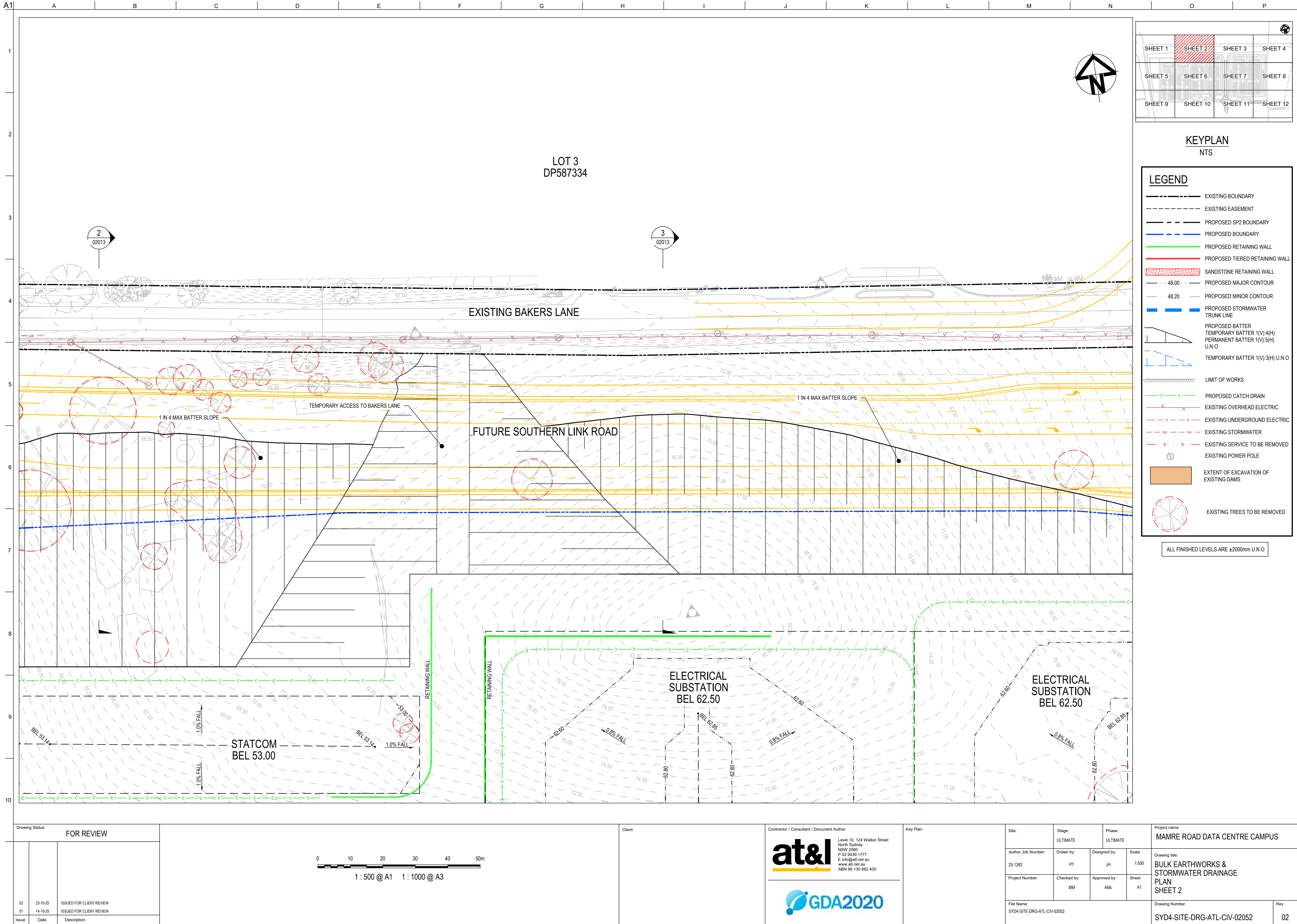
KEYPLAN

NTS

ALL FINISHED LEVELS ARE $\pm 2000\text{mm}$ U.N.O

Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number:	Drawn by:	Designed by:	Scale	Drawing title: BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 1
25-1282	PT	JH	1:500	
Project Number:	Checked by:	Approved by:	Sheet	
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File Name SYD4-SITE-DRG-ATL-CIV-02051			Drawing Number SYD4-SITE-DRG-ATL-CIV-02051	
			Rev 02	

CONFIDENTIAL



A1

1

2

3

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10

Drawing Status:

FOR REVIEW

02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description

Do not scale

Client:

Contractor / Consultant / Document Author:

Key Plan:

Site:

Stage:

Phase:

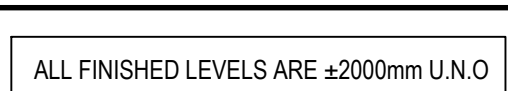
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MAMRE ROAD DATA CENTRE CAMPUS

Drawing title:
BULK EARTHWORKS &
STORMWATER DRAINAGE
PLAN
SHEET 2

Drawing Number

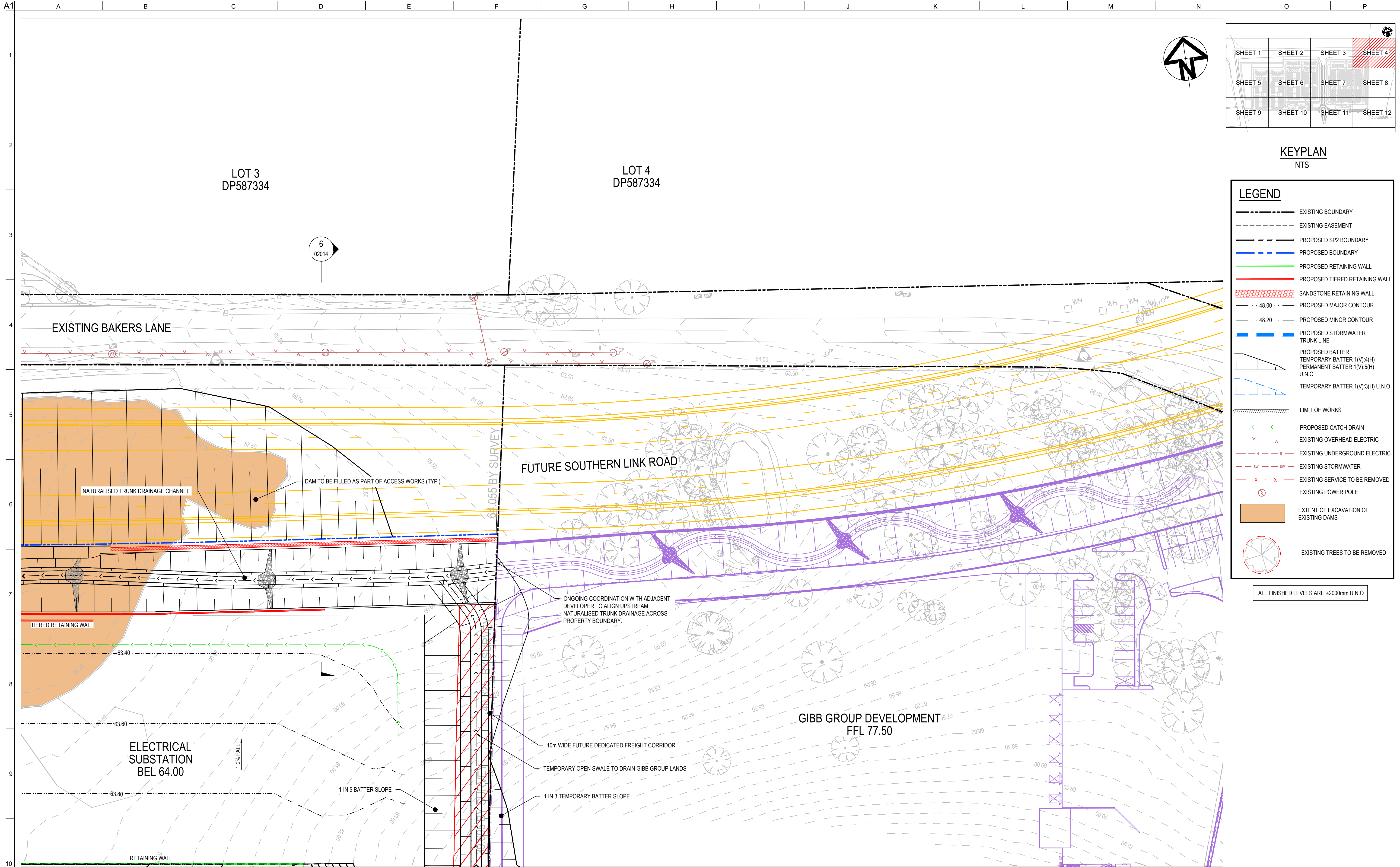
Rev



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1 : 500 @ A1 1 : 1000 @ A3

Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number:	Drawn by:	Designed by:	Scale	Drawing title:
25-1282	PT	JH	1:500	BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 3
Project Number:	Checked by:	Approved by:	Sheet	
	MM	AMc	A1	
File Name SYD4-SITE-DRG-ATL-CIV-02053			Drawing Number SYD4-SITE-DRG-ATL-CIV-02053	Rev 02

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SHEET 1	SHEET 2	SHEET 3	SHEET 4
SHEET 5	SHEET 6	SHEET 7	SHEET 8
SHEET 9	SHEET 10	SHEET 11	SHEET 12

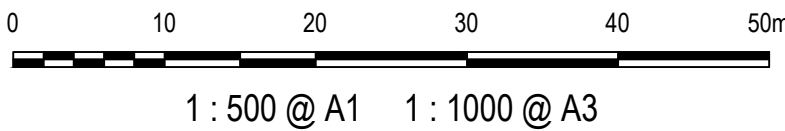
KEYPLAN
NTS

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED SP2 BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED RETAINING WALL
- PROPOSED TIERED RETAINING WALL
- SANDSTONE RETAINING WALL
- PROPOSED MAJOR CONTOUR 48.00
- PROPOSED MINOR CONTOUR 48.20
- PROPOSED STORMWATER TRUNK LINE
- PROPOSED BATTER
- TEMPORARY BATTER 1(V):4(H) U.N.O
- PERMANENT BATTER 1(V):5(H) U.N.O
- TEMPORARY BATTER 1(V):3(H) U.N.O
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING STORMWATER
- EXISTING SERVICE TO BE REMOVED
- EXISTING POWER POLE
- EXTENT OF EXCAVATION OF EXISTING DAMS
- EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±2000mm U.N.O

Drawing Status: FOR REVIEW			Client:		Contractor / Consultant / Document Author: at& Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Key Plan:		Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
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01 14-10-25 ISSUED FOR CLIENT REVIEW																
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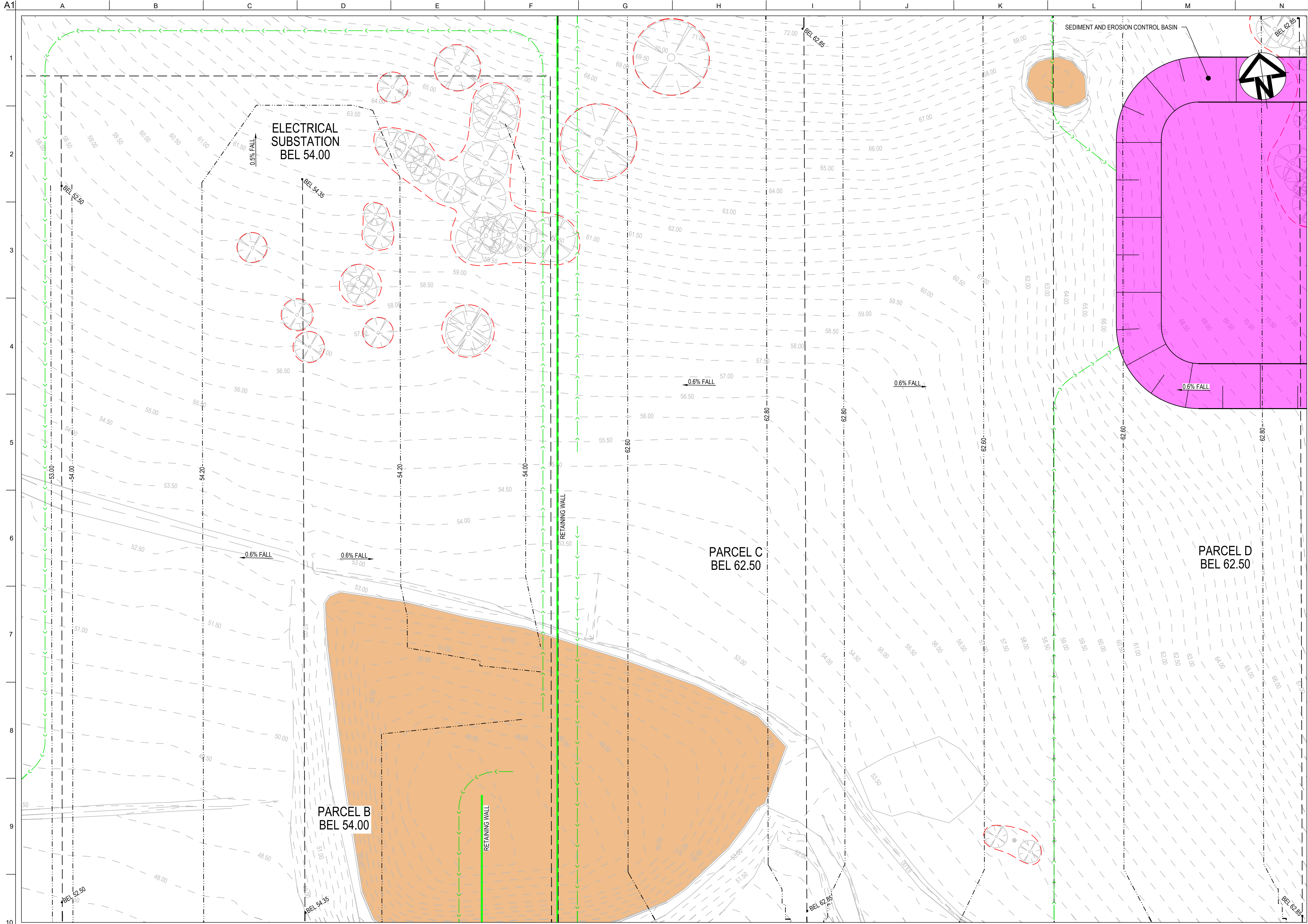


1 IN 4 BATTER SLOPE

0 10 20 30 40 50m
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Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number:		Drawn by:		Designed by:		Scale	
25-1282		PT		JH		1:500	
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						Rev 02	

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SHEET 1	SHEET 2	SHEET 3	SHEET 4
SHEET 5	SHEET 6	SHEET 7	SHEET 8
SHEET 9	SHEET 10	SHEET 11	SHEET 12

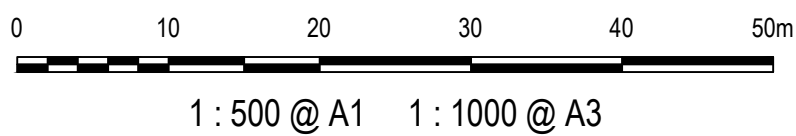
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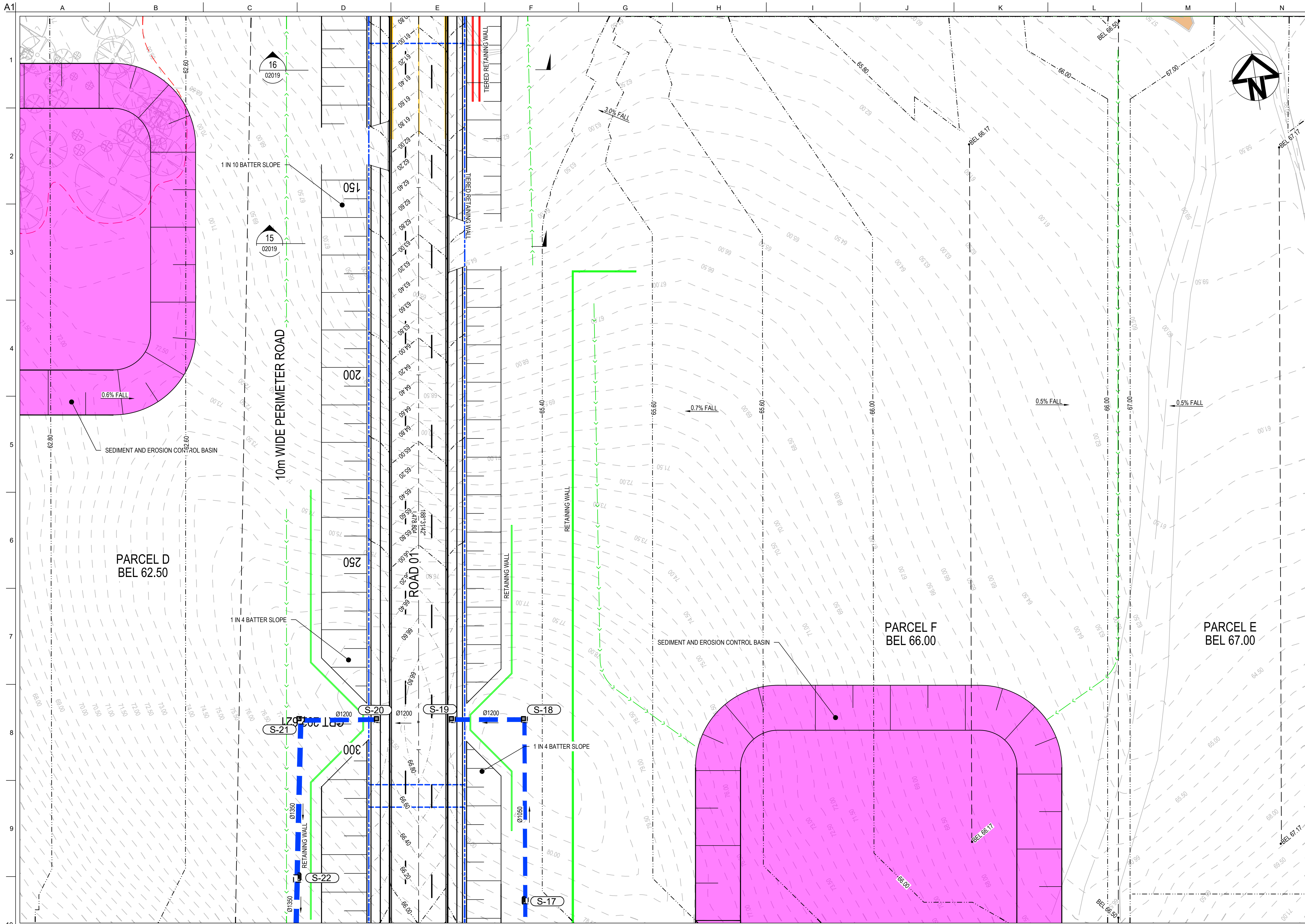
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- SANDSTONE RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORMWATER TRUNK LINE
- PROPOSED BATTER
- TEMPORARY BATTER 1(V):4(H) U.N.O
- PERMANENT BATTER 1(V):5(H) U.N.O
- TEMPORARY BATTER 1(V):3(H) U.N.O
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING STORMWATER
- EXISTING SERVICE TO BE REMOVED
- EXISTING POWER POLE
- EXTENT OF EXCAVATION OF EXISTING DAMS
- EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±2000mm U.N.O

Drawing Status: FOR REVIEW			Client:			Contractor / Consultant / Document Author:			Key Plan:			Site:			Stage:			Phase:			Project name:		
						at&I						25-1282			ULTIMATE			ULTIMATE			MAMRE ROAD DATA CENTRE CAMPUS		
						Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@at&i.net.au www.at&i.net.au ABN 96 130 882 405						25-1282			PT			JH			1:500		
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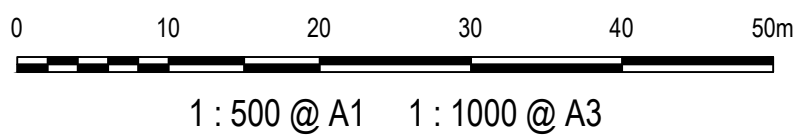
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KEYPLAN
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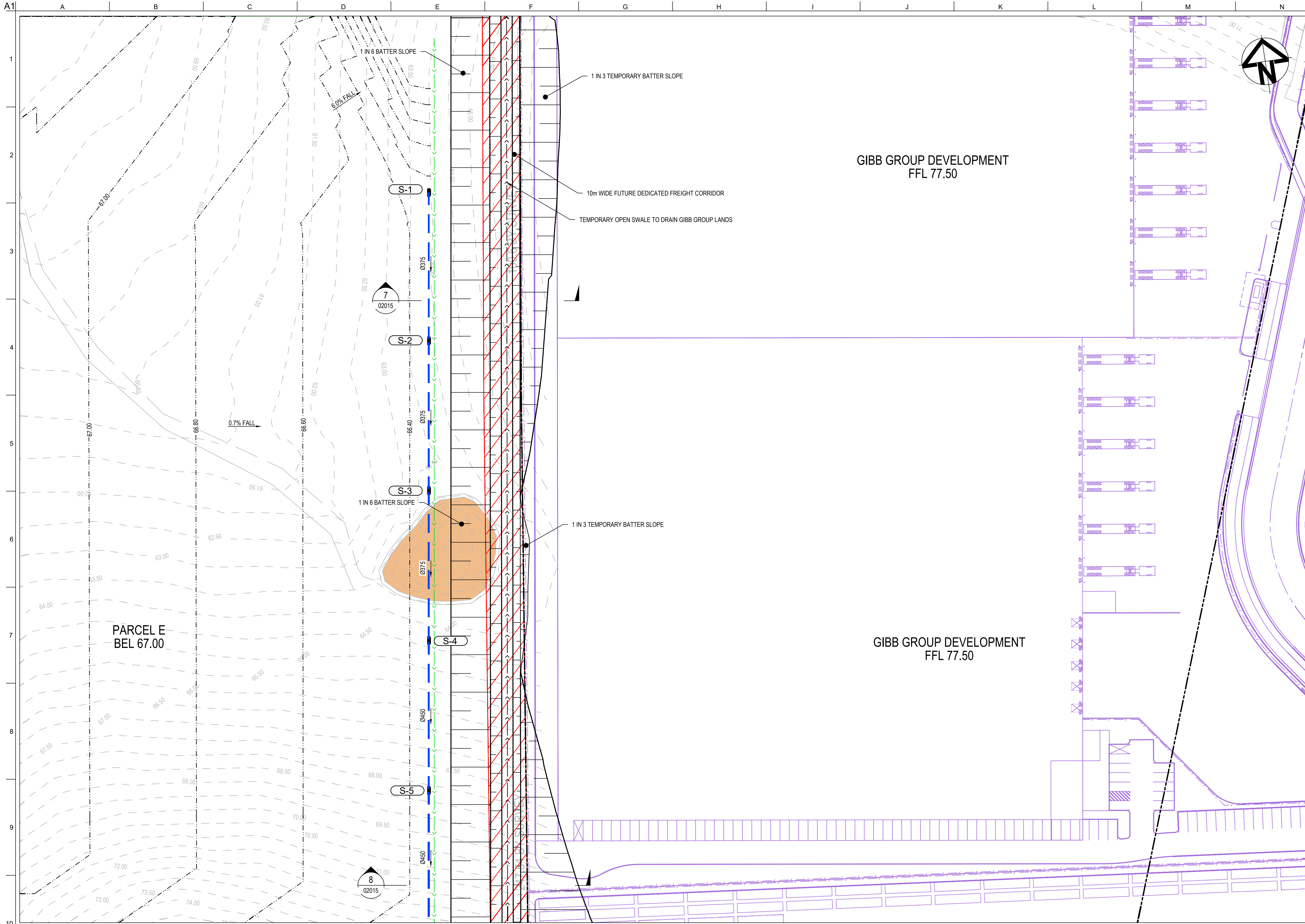
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	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORMWATER TRUNK LINE
	PROPOSED BATTER
	TEMPORARY BATTER 1(V):4(H)
	PERMANENT BATTER 1(V):5(H)
	U.N.O
	TEMPORARY BATTER 1(V):3(H) U.N.O
	LIMIT OF WORKS
	PROPOSED CATCH DRAIN
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING STORMWATER
	EXISTING SERVICE TO BE REMOVED
	EXISTING POWER POLE
	EXTENT OF EXCAVATION OF EXISTING DAMS
	EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±2000mm U.N.O

Drawing Status: FOR REVIEW			Client:		Contractor / Consultant / Document Author:		Key Plan:		Site:		Stage:		Phase:		Project name:	
					at&I				Author Job Number:		ULTIMATE		ULTIMATE		MAMRE ROAD DATA CENTRE CAMPUS	
					Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405				25-1282		PT		JH		Scale	
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02 23-10-25 ISSUED FOR CLIENT REVIEW																
01 14-10-25 ISSUED FOR CLIENT REVIEW																
Issue Date Description																
Do not scale																



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SHEET 1	SHEET 2	SHEET 3	SHEET 4
SHEET 5	SHEET 6	SHEET 7	SHEET 8
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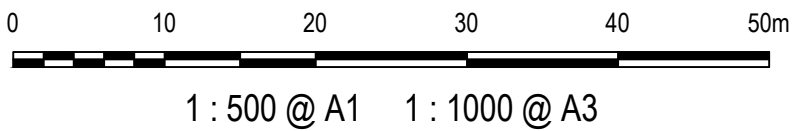
KEYPLAN
NTS

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- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED SP2 BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED TIERED RETAINING WALL
- SANDSTONE RETAINING WALL
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORMWATER TRUNK LINE
- PROPOSED BATTER
 - TEMPORARY BATTER 1(V):4(H)
 - PERMANENT BATTER 1(V):5(H)
 - U.N.O
- TEMPORARY BATTER 1(V):3(H) U.N.O
- LIMIT OF WORKS
- PROPOSED CATCH DRAIN
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING STORMWATER
- EXISTING SERVICE TO BE REMOVED
- EXISTING POWER POLE
- EXTENT OF EXCAVATION OF EXISTING DAMS
- EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±200mm U.N.O

Drawing Status: FOR REVIEW		
02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description



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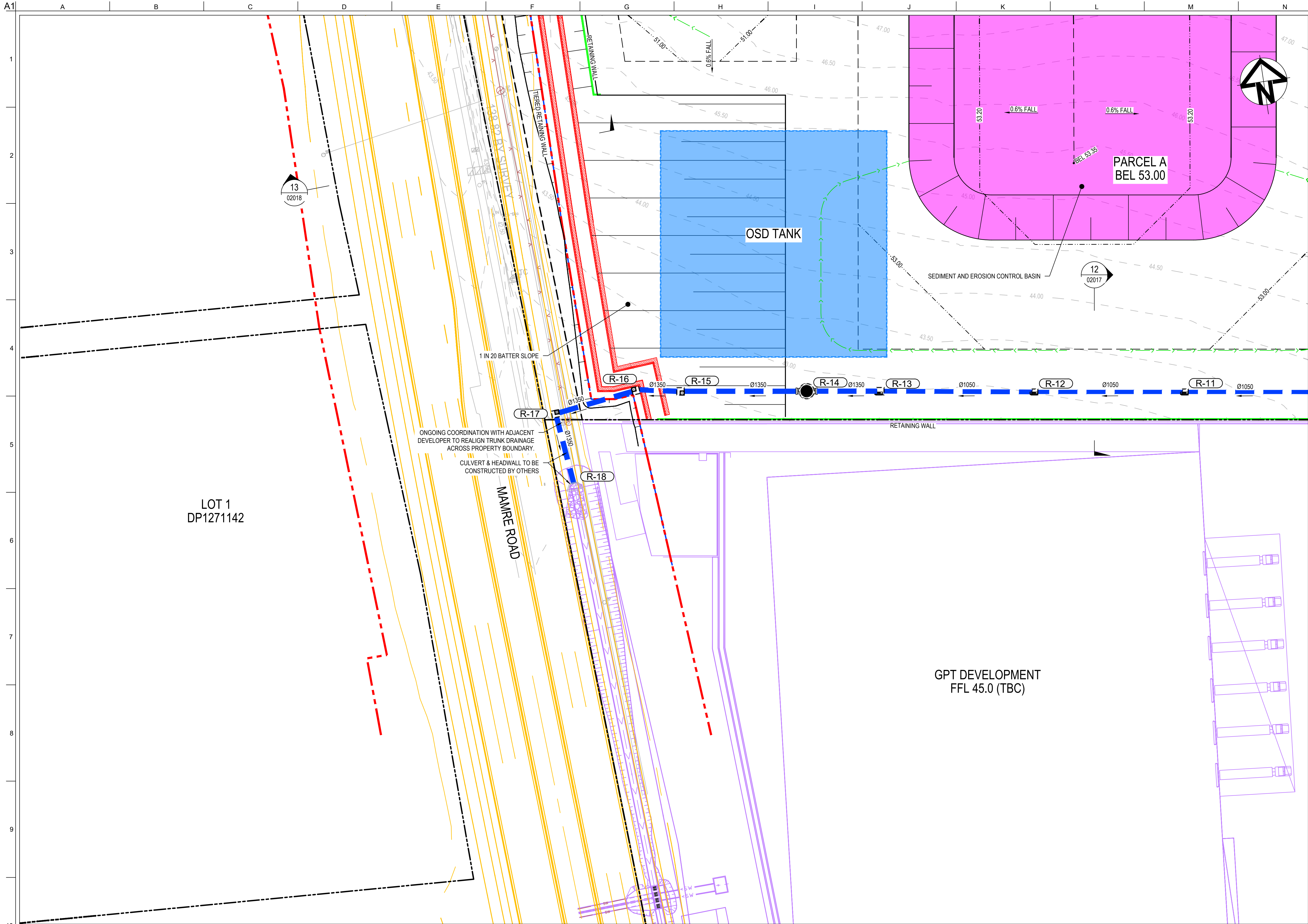
Contractor / Consultant / Document Author:
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Level 10, 124 Walker Street
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ABN 96 130 882 405



Key Plan:

Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282	Drawn by: PT	Designed by: JH	Scale: 1:500	Drawing title: BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 8
Project Number:	Checked by: MM	Approved by: AMc	Sheet A1	
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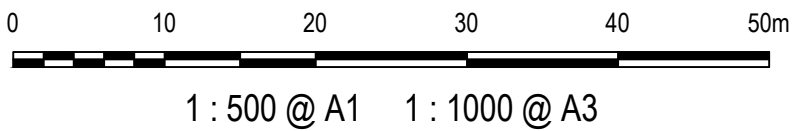
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SHEET 5	SHEET 6	SHEET 7	SHEET 8
SHEET 9	SHEET 10	SHEET 11	SHEET 12

KEYPLAN
NTS

LEGEND	
	EXISTING BOUNDARY
	EXISTING EASEMENT
	PROPOSED SP2 BOUNDARY
	PROPOSED BOUNDARY
	PROPOSED RETAINING WALL
	PROPOSED TIERED RETAINING WALL
	SANDSTONE RETAINING WALL
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORMWATER TRUNK LINE
	PROPOSED BATTER
	TEMPORARY BATTER 1(V):4(H)
	PERMANENT BATTER 1(V):5(H)
	U.N.O
	TEMPORARY BATTER 1(V):3(H) U.N.O
	LIMIT OF WORKS
	PROPOSED CATCH DRAIN
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING STORMWATER
	EXISTING SERVICE TO BE REMOVED
	EXISTING POWER POLE
	EXTENT OF EXCAVATION OF EXISTING DAMS
	EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±2000mm U.N.O

Drawing Status:		
FOR REVIEW		
02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description



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Contractor / Consultant / Document Author:
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ABN 96 130 882 405



Key Plan:

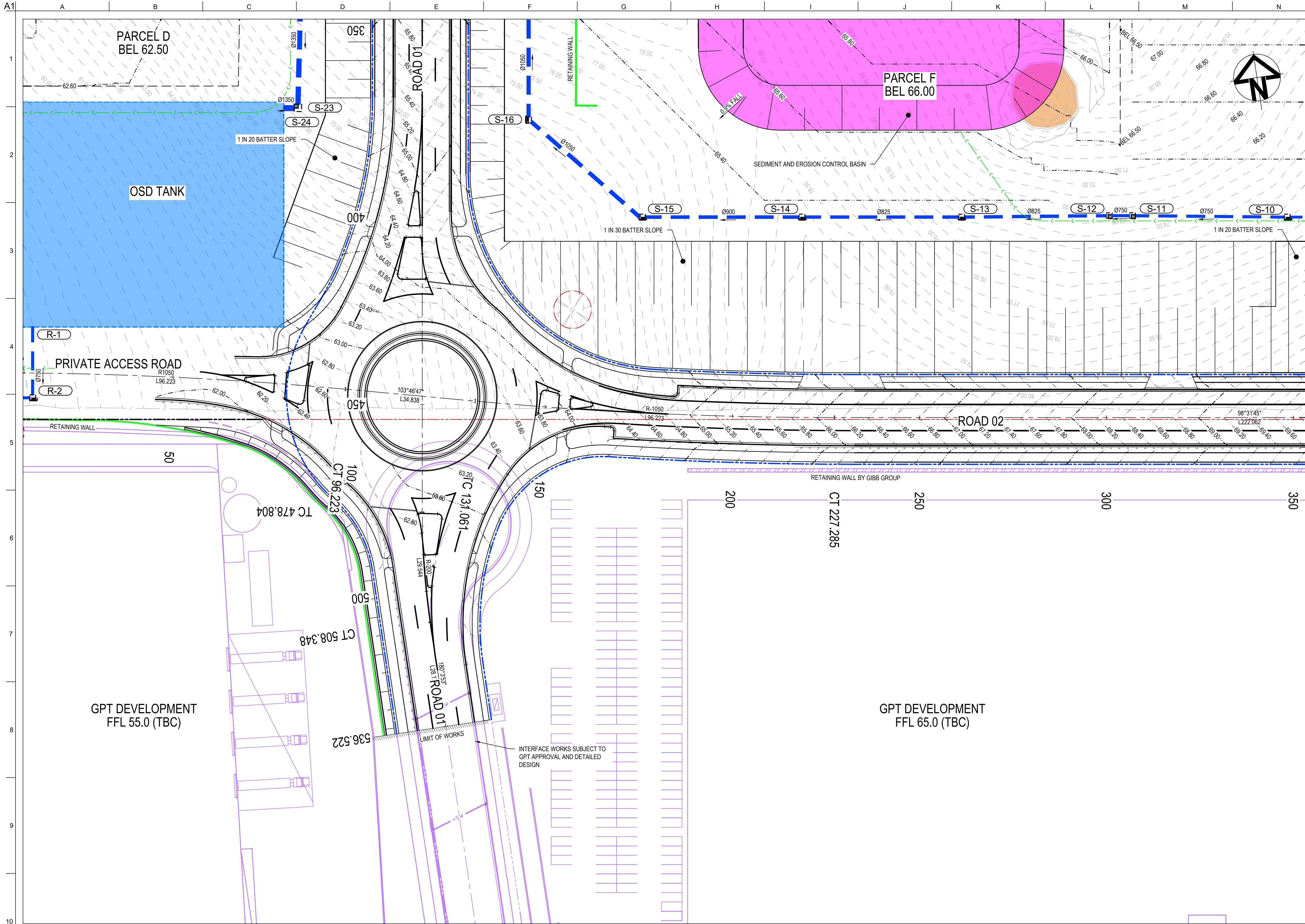
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Author Job Number: 25-1282	Drawn by: PT	Designed by: JH	Drawing title: BULK EARTHWORKS & STORMWATER DRAINAGE PLAN SHEET 9
Project Number:	Checked by: MM	Approved by: AMc	Sheet A1
File Name: SYD4-SITE-DRG-ATL-CIV-02059	Drawing Number SYD4-SITE-DRG-ATL-CIV-02059		Rev 02

This topographic map illustrates a site layout with various parcels and infrastructure. The map is divided into four main parcels: PARCEL A (BEL 62.50), PARCEL B (BEL 54.00), PARCEL C (BEL 62.50), and PARCEL D (BEL 62.50). A road, labeled MC02, runs horizontally across the middle of the map, featuring a series of retaining walls and a drainage system. The road is marked with a dashed line and a centerline, with a width of 1026.085 BY SURVEY. The drainage system includes a series of manholes (R-10, R-9, R-8, R-7, R-6, R-5, R-4, R-3) and a culvert (C-10). The map also shows a COSH (Culvert Opening Structure) and an OSD TANK (Overhead Storage Tank). The GPT DEVELOPMENT (Groundwater Protection Treatment) is shown in two areas: one with a FFL (Finished Floor Level) of 45.0 (TBC) and another with a FFL of 55.0 (TBC). The map includes a north arrow and a scale bar.

ALL FINISHED LEVELS ARE $\pm 2000\text{mm}$ U.N.O

Drawing Status:			FOR REVIEW		01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-2523-10-25 IssueDate DESCRIPTION	01020 14-10-
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CONFIDENTIAL



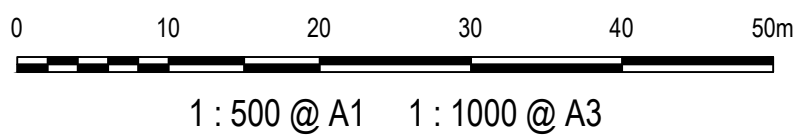
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KEYPLAN
NTS

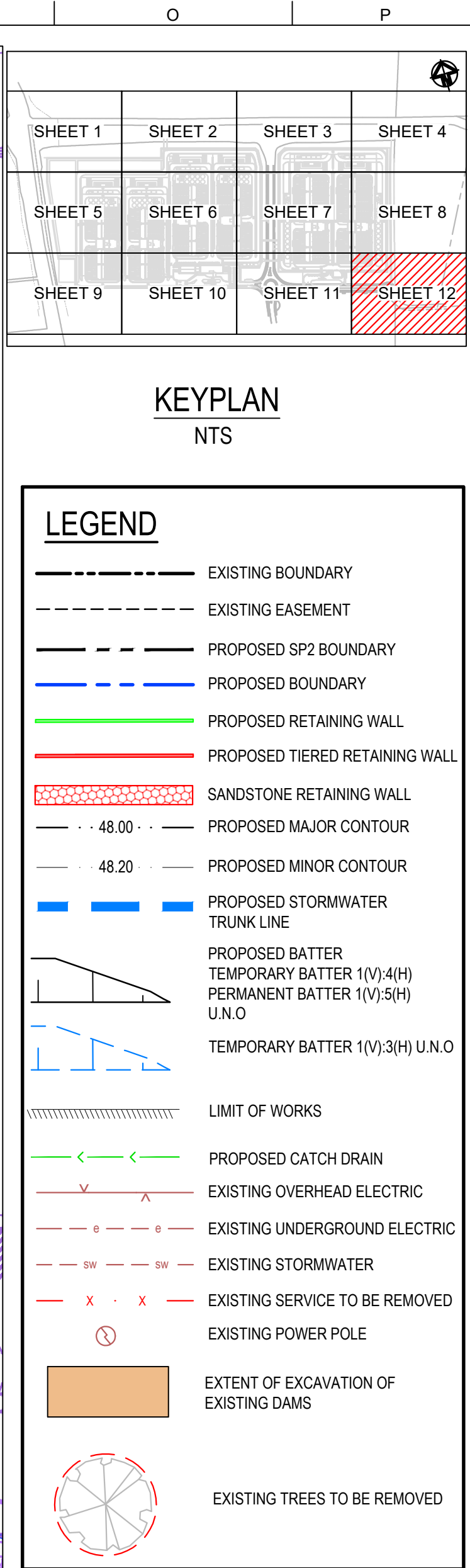
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	SANDSTONE RETAINING WALL
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORMWATER TRUNK LINE
	PROPOSED BATTER
	TEMPORARY BATTER 1(V):4(H)
	PERMANENT BATTER 1(V):5(H)
	U.N.O
	TEMPORARY BATTER 1(V):3(H) U.N.O
	LIMIT OF WORKS
	PROPOSED CATCH DRAIN
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING STORMWATER
	EXISTING SERVICE TO BE REMOVED
	EXISTING POWER POLE
	EXTENT OF EXCAVATION OF EXISTING DAMS
	EXISTING TREES TO BE REMOVED

ALL FINISHED LEVELS ARE ±2000mm U.N.O

Drawing Status: FOR REVIEW			Client:		Contractor / Consultant / Document Author:		Key Plan:		Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
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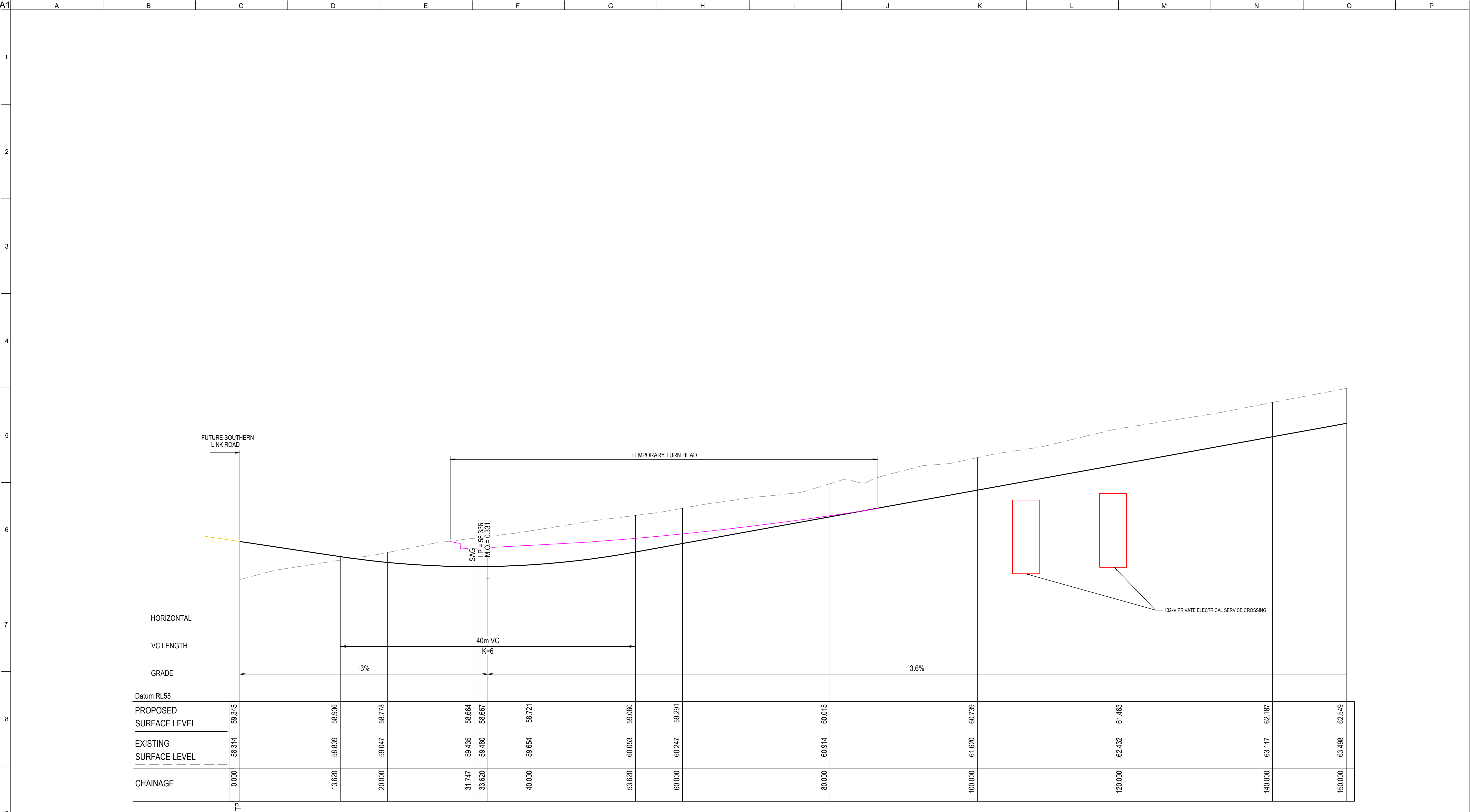
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ALL FINISHED LEVELS ARE $\pm 2000\text{mm}$ U.N.O

Drawing Status:			FOR REVIEW						Client:			Contractor / Consultant / Document Author: at&i Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@at&i.net.au www.at&i.net.au ABN 96 130 882 405			Key Plan:			Project name: MAMRE ROAD DATA CENTRE CAMPUS		
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02 23-10-25 ISSUED FOR CLIENT REVIEW 01 14-10-25 ISSUED FOR CLIENT REVIEW									Drawing Number SYD4-SITE-DRG-ATL-CIV-02062			Rev P1								
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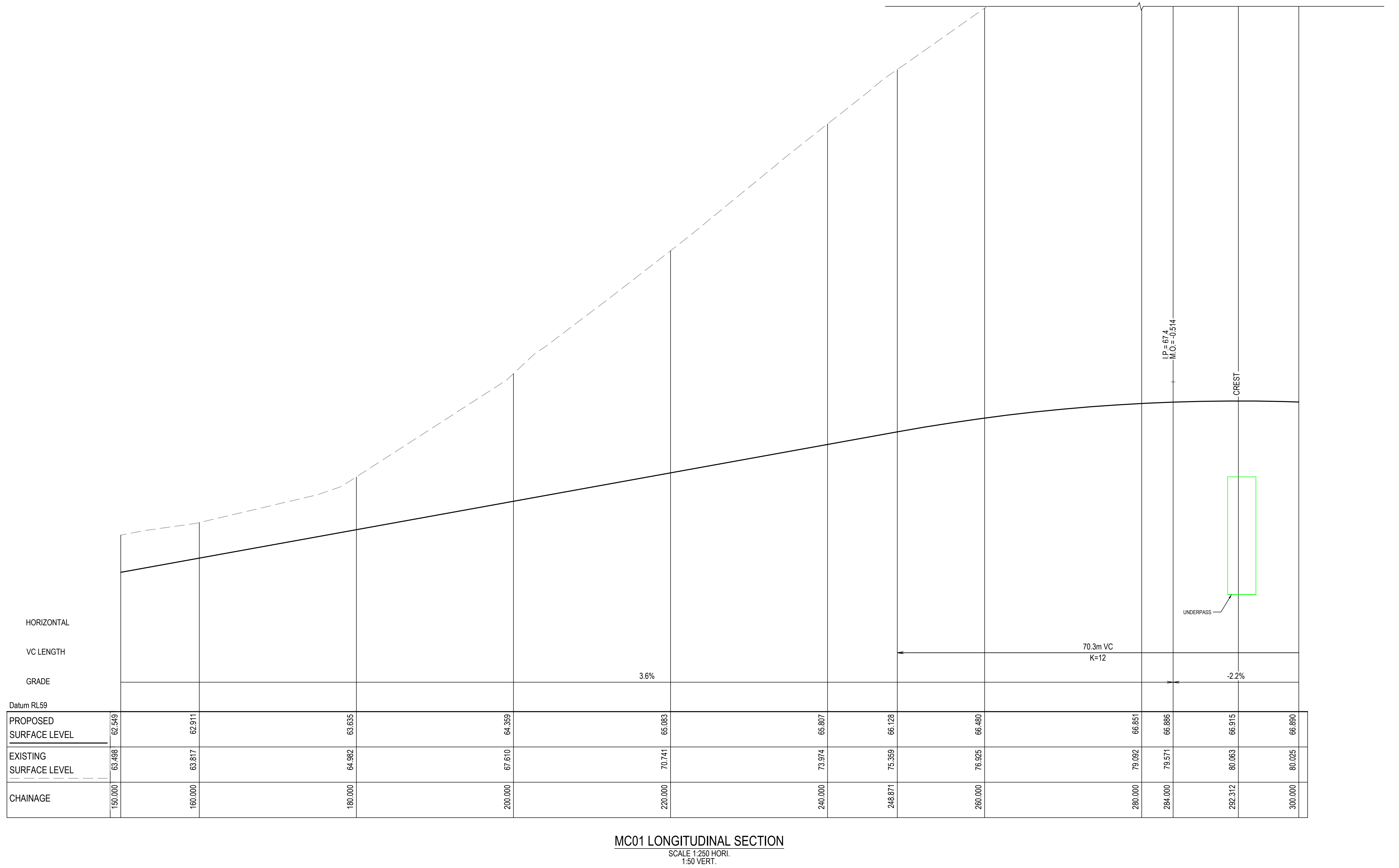


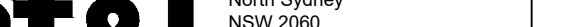
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SCALE 1:250 HORI.
1:50 VERT.

Drawing Status: FOR REVIEW			0 5 10 15 20 25m 1 : 250 @ A1 1 : 500 @ A3 0 1 2 3 4 5m 1 : 50 @ A1 1 : 100 @ A3		Client:	Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405 GDA2020	Key Plan:	Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282	Drawn by: PT	Designed by: JH						Scale: AS SHOWN	Drawing title: ROAD (MC01) LONGITUDINAL SECTION SHEET 1			
Project Number:	Checked by: MM	Approved by: AMc						Sheet: A1	Drawing Number: SYD4-SITE-DRG-ATL-CIV-02071			
Issue: 02 Date: 23-10-25 Description: ISSUED FOR CLIENT REVIEW							File Name: SYD4-SITE-DRG-ATL-CIV-02071		Rev: 02			

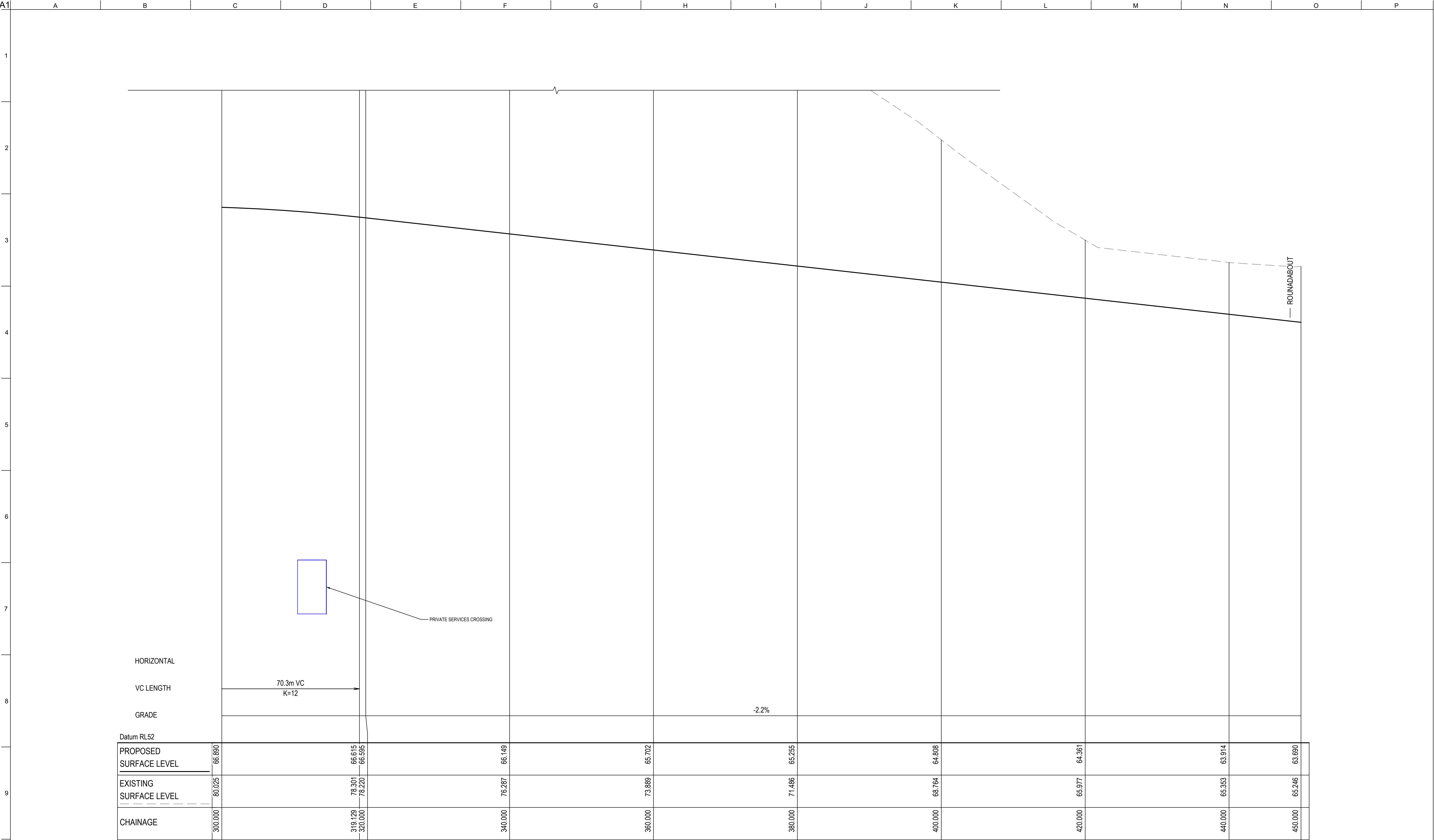
Do not scale

CONFIDENTIAL



Drawing Status:			FOR REVIEW				Client:		Contractor / Consultant / Document Author:  Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1777 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Key Plan:		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
			 1 : 250 @ A1 1 : 500 @ A3										Site: ULTIMATE Stage: ULTIMATE Phase: ULTIMATE Project number: 2S-1282 Drawing title: ROAD (MC01) LONGITUDINAL SECTION SHEET 2	
02 23-10-25 01 14-10-25 ISSUED FOR CLIENT REVIEW ISSUED FOR CLIENT REVIEW													Drawing Number SYD4-SITE-DRG-ATL-CIV-02072 Rev 02	
Issue Date Description														

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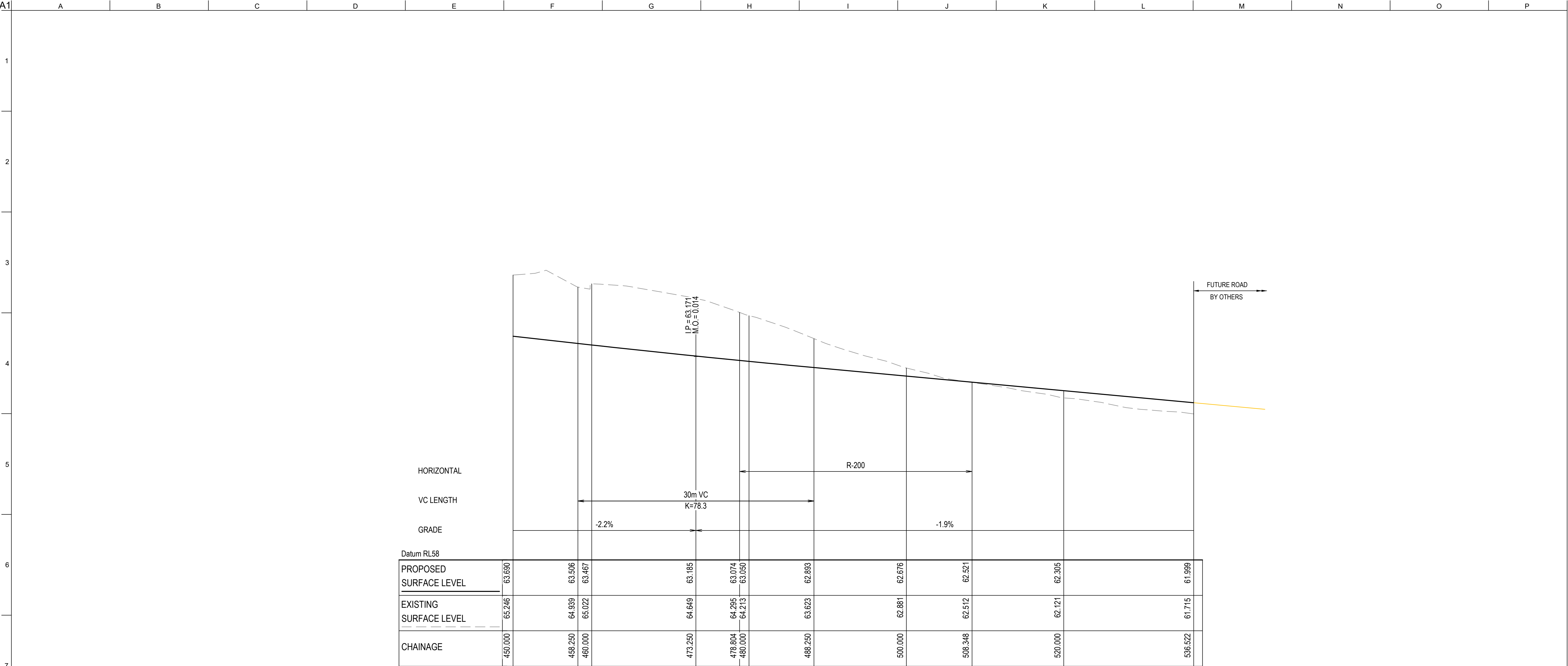


MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

Drawing Status: FOR REVIEW			0 5 10 15 20 25m 1 : 250 @ A1 1 : 500 @ A3 0 1 2 3 4 5m 1 : 50 @ A1 1 : 100 @ A3		Client:		Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Key Plan:		Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282		Drawn by: PT									Designed by: JH		Scale: AS SHOWN		Drawing title: ROAD (MC01) LONGITUDINAL SECTION SHEET 3			
Project Number:		Checked by: MM									Approved by: AMc		Sheet: A1					
Issue: 02		Date: 23-10-25									Description: ISSUED FOR CLIENT REVIEW		File Name: SYD4-SITE-DRG-ATL-CIV-02073					

Do not scale

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MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

Drawing Status: FOR REVIEW			0 5 10 15 20 25m 1 : 250 @ A1 1 : 500 @ A3 0 1 2 3 4 5m 1 : 50 @ A1 1 : 100 @ A3		Client:		Contractor / Consultant / Document Author: at&I Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405		Key Plan:		Site:		Stage: ULTIMATE		Phase: ULTIMATE		Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Author Job Number: 25-1282		Drawn by: PT									Designed by: JH		Scale: AS SHOWN		Drawing title: ROAD (MC01) LONGITUDINAL SECTION SHEET 4			
Project Number:		Checked by: MM		Approved by: AMc		Sheet: A1		File Name: SYD4-SITE-DRG-ATL-CIV-02074		Drawing Number: SYD4-SITE-DRG-ATL-CIV-02074		Rev: 02						

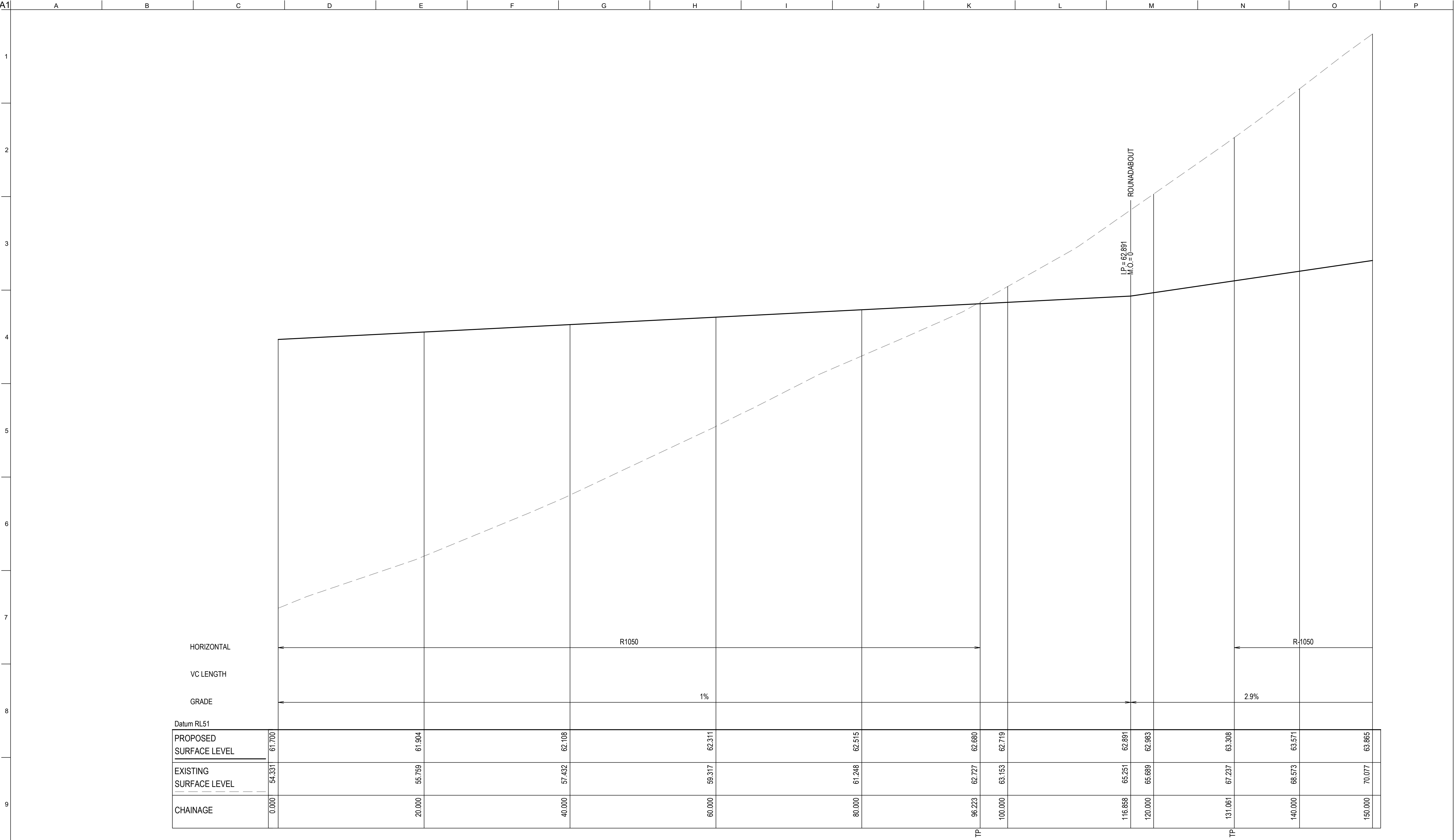
02 23-10-25 ISSUED FOR CLIENT REVIEW

01 14-10-25 ISSUED FOR CLIENT REVIEW

Issue Date Description

Do not scale

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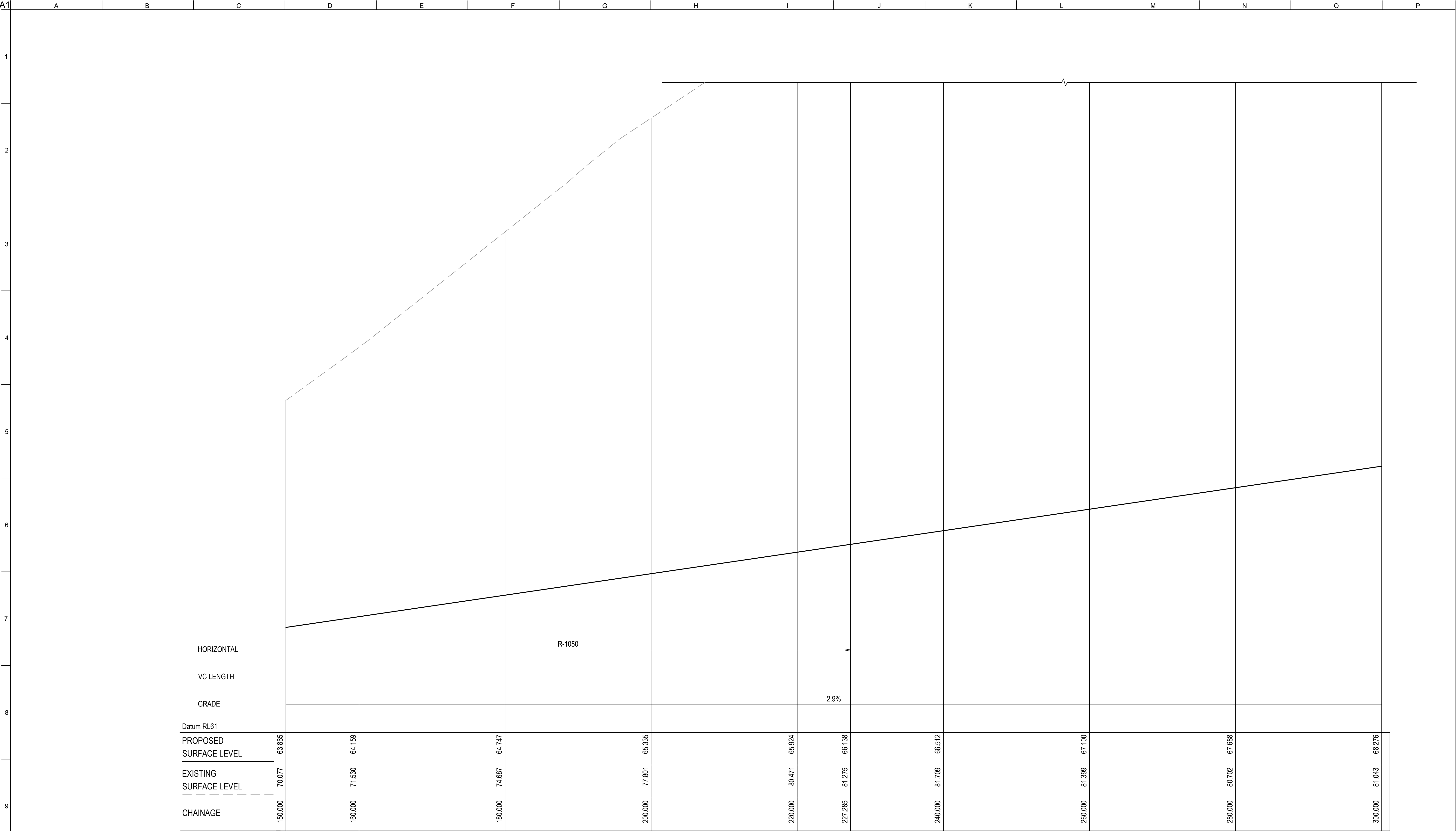


MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

Drawing Status: FOR REVIEW			0 5 10 15 20 25m 1 : 250 @ A1 1 : 500 @ A3 0 1 2 3 4 5m 1 : 50 @ A1 1 : 100 @ A3	Client:	Contractor / Consultant / Document Author: at& Level 10, 124 Walker Street North Sydney NSW 2060 P 02 9439 1177 E info@atl.net.au www.atl.net.au ABN 96 130 882 405	Key Plan:	Site:	Stage: ULTIMATE	Phase: ULTIMATE	Project name: MAMRE ROAD DATA CENTRE CAMPUS	
Drawing title:											
ROAD (MC02) LONGITUDINAL SECTION SHEET 5											
Drawing Number SYD4-SITE-DRG-ATL-CIV-02075											
Issue		Date		Description		File Name SYD4-SITE-DRG-ATL-CIV-02075		Rev 02			

Do not scale

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MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

Drawing Status:

FOR REVIEW

02	23-10-25	ISSUED FOR CLIENT REVIEW
01	14-10-25	ISSUED FOR CLIENT REVIEW
Issue	Date	Description

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

Client:

Contractor / Consultant / Document Author:

at&I

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ABN 96 130 882 405

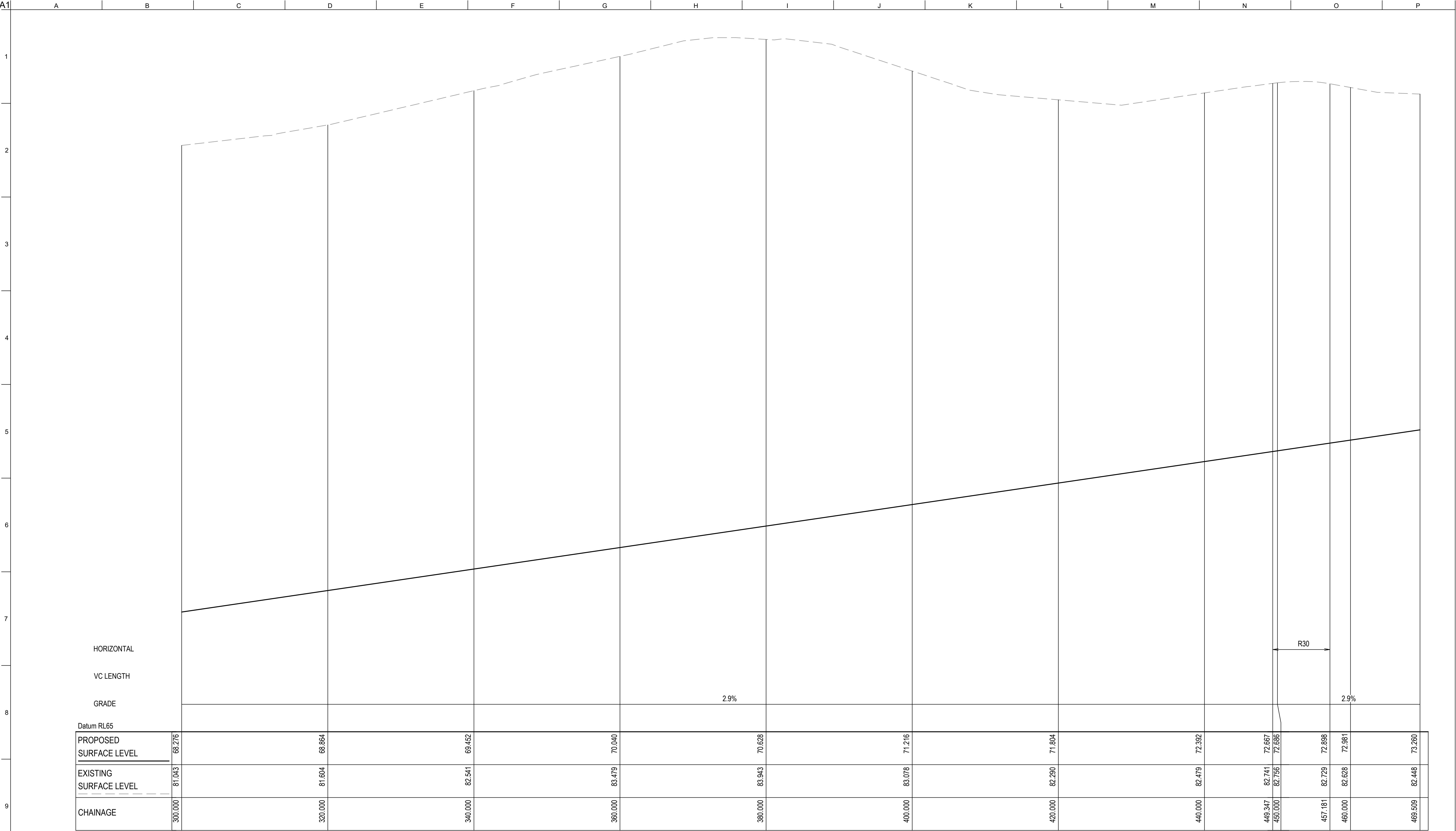
GDA2020

Key Plan:

Site:	Stage:	Phase:	Project name:
	ULTIMATE	ULTIMATE	MAMRE ROAD DATA CENTRE CAMPUS
Author Job Number:	Drawn by:	Designed by:	Scale:
25-1282	PT	JH	AS SHOWN
Project Number:	Checked by:	Approved by:	Sheet:
	MM	AMc	A1
File Name			Drawing Number
SYD4-SITE-DRG-ATL-CIV-02076			SYD4-SITE-DRG-ATL-CIV-02076
			Rev
			02

Do not scale

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MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

Drawing Status:			FOR REVIEW			Client:			Contractor / Consultant / Document Author:			Key Plan:			Site:		Stage:		Phase:		Project name:				
															Author Job Number:		Drawn by:		Designed by:		Scale:		Drawing title:		
02			23-10-25			ISSUED FOR CLIENT REVIEW									25-1282		PT		JH		AS SHOWN		ROAD (MC02)		
01			14-10-25			ISSUED FOR CLIENT REVIEW									Project Number:		Checked by:		Approved by:		Sheet		LONGITUDINAL SECTION		
Issue			Date			Description											MM		AMc		A1		SHEET 7		
															File Name							Drawing Number		Rev	
															SYD4-SITE-ORG-ATL-CIV-02077						SYD4-SITE-DRG-ATL-CIV-02077		02		