

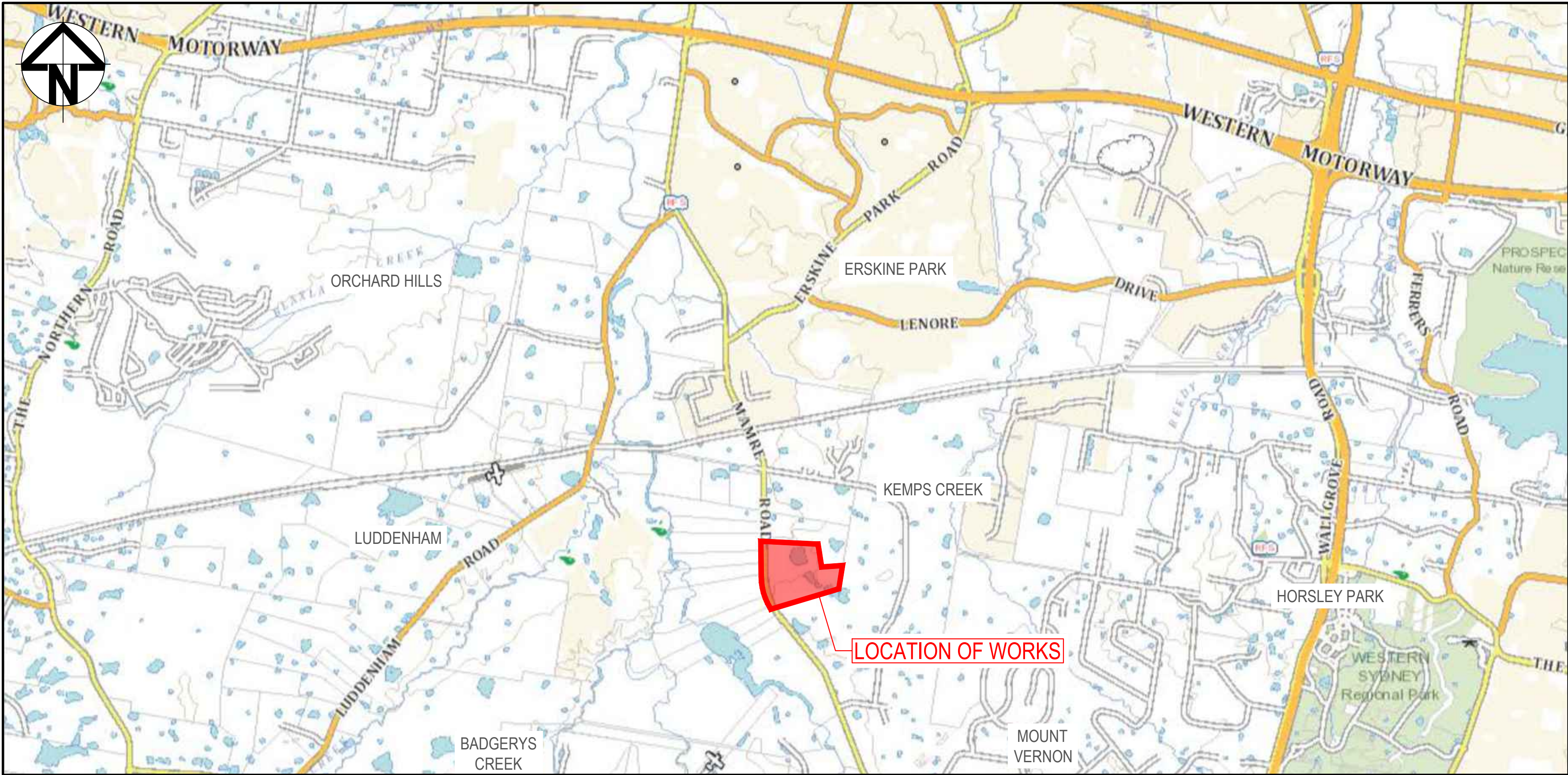
ASPECT INDUSTRIAL ESTATE

STAGE 1B CIVIL WORKS PACKAGE

SUBDIVISION WORKS CERTIFICATE

788-882 MAMRE ROAD, KEMPS CREEK

SSD-10448



DRAWING LIST	
DRAWING No.	DRAWING TITLE
18-596-C8000	COVER SHEET AND LOCALITY PLAN
18-596-C8001	DRAWING LIST
18-596-C8002	NOTES AND LEGENDS SHEET SHEET 1
18-596-C8003	NOTES AND LEGENDS SHEET SHEET 2
18-596-C8005	GENERAL ARRANGEMENT PLAN
18-596-C8010	TYPICAL SECTIONS
18-596-C8012	TYPICAL ROAD SECTIONS
18-596-C8015	TYPICAL DETAILS SHEET 1
18-596-C8016	TYPICAL DETAILS SHEET 2
18-596-C8017	TYPICAL DETAILS SHEET 3
18-596-C8050	CONTROL LINE SETOUT PLAN
18-596-C8101	ROADWORKS AND STORMWATER DRAINAGE SHEET 1
18-596-C8102	ROADWORKS AND STORMWATER DRAINAGE SHEET 2
18-596-C8103	ROADWORKS AND STORMWATER DRAINAGE SHEET 3
18-596-C8104	ROADWORKS AND STORMWATER DRAINAGE SHEET 4
18-596-C8105	ROADWORKS AND STORMWATER DRAINAGE SHEET 5
18-596-C8106	ROADWORKS AND STORMWATER DRAINAGE SHEET 6
18-596-C8107	ROADWORKS AND STORMWATER DRAINAGE SHEET 7
18-596-C8121	INTERSECTION PLAN SHEET 1
18-596-C8122	INTERSECTION PLAN SHEET 2
18-596-C8123	INTERSECTION PLAN SHEET 3
18-596-C8124	INTERSECTION PLAN SHEET 4
18-596-C8125	INTERSECTION PLAN SHEET 5
18-596-C8126	INTERSECTION PLAN SHEET 6
18-596-C8131	ROAD LONGITUDINAL SECTION SHEET 1
18-596-C8132	ROAD LONGITUDINAL SECTION SHEET 2
18-596-C8201	BULK EARTHWORKS CUT/FILL PLAN
18-596-C8301	PAVEMENT MARKING AND SIGNPOSTING
18-596-C8321	PAVEMENT PLAN
18-596-C8401	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 1
18-596-C8402	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 2
18-596-C8403	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 3
18-596-C8404	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 4
18-596-C8405	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 5
18-596-C8406	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 6
18-596-C8412	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)
18-596-C8421	STORMWATER DRAINAGE DETAILS SHEET 1
18-596-C8422	STORMWATER DRAINAGE DETAILS SHEET 2
18-596-C8431	STRUCTURE SETOUT DETAILS SHEET 1
18-596-C8432	STRUCTURE SETOUT DETAILS SHEET 2
18-596-C8433	STRUCTURE SETOUT DETAILS SHEET 3
18-596-C8441	DETENTION BASIN DETAIL PLAN SHEET 1
18-596-C8442	DETENTION BASIN DETAIL PLAN SHEET 2
18-596-C8443	DETENTION BASIN DETAIL PLAN SHEET 3
18-596-C8501	ROAD CROSS SECTIONS ROAD 01 SHEET 1
18-596-C8511	ROAD CROSS SECTIONS ROAD 03 SHEET 1
18-596-C8512	ROAD CROSS SECTIONS ROAD 03 SHEET 2
18-596-C8631	EROSION AND SEDIMENT CONTROL PLAN
18-596-C8633	EROSION AND SEDIMENT CONTROL DETAILS
18-596-C8701	PROPOSED FENCING PLAN
18-596-C8711	PROPOSED FENCING DETAILS SHEET 1
18-596-C8712	PROPOSED FENCING DETAILS SHEET 2
18-596-C8801	VEHICLE TURN PATH PLAN SHEET 1
18-596-C8802	VEHICLE TURN PATH PLAN SHEET 2
18-596-C8803	VEHICLE TURN PATH PLAN SHEET 3
18-596-C8804	VEHICLE TURN PATH PLAN SHEET 4

		Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	<div><div></div><div>mirvac</div></div>	Client	<div><div>Scales</div><div><div>Grid</div><div>GDA2020</div></div><div><div>Height Datum</div><div>AHD</div></div><div><div><div></div><div>GDA2020</div></div></div></div>	<div><div><div>Drawn</div><div>Designed</div></div><div><div>JB/MH</div><div>JB/MH</div></div><div><div>Checked</div><div>Approved</div></div><div><div>DS</div><div>DS</div></div></div>	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B	Civil Engineers and Project Managers	
<div><div>at&l</div><div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div></div>										
Status FOR CONSTRUCTION									A1	
Project - Drawing No. 18-596-C8001									Issue 1	
Title DRAWING LIST										

OVERALL SITEWORKS
LEGEND - COMBINED

	EXISTING BOUNDARY
	EXISTING CONTOUR
	PROPOSED BOUNDARY
	PROPOSED EASEMENT
	FUTURE BOUNDARY
	BATTER
	PROPOSED SURFACE LEVE
	PROPOSED MAJOR CONTOUR (1.0m INTERVAL)
	PROPOSED MINOR CONTOUR (0.20m INTERVAL)
	KERB AND GUTTER (REFER PCC DWG. SD1003/1)
	KERB AND TOE (REFER DWG. C8016)
	MOUNTABLE KERB (REFER PCC DWG. SD1003/2)
	MOUNTABLE KERB WITH EXTENDED BACK (REFER PCC DWG. SD1003/2)
	MOUNTABLE KERB WITH EXTENDED BACK (REFER DETAIL A DWG. C8017)
	CONCRETE DISH DRAIN (REFER DETAIL A DWG. C8017)
	PRAM RAMP (REFER PCC DWG. SD1002)
	VEHICLE CROSSOVER (REFER PCC DWG. SD1004)
	STORMWATER BOX CULVERT WITH NUMBER OF SECTION
	UPSTREAM STORMWATER DIVERSION BOX CULVERT WITH NUMBER OF SECTION
	SPECIAL STORMWATER CULVERT SECTION
	STORMWATER PIPE
	UPSTREAM STORMWATER DIVERSION PIPE
	KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
	SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
	JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
	LIMIT OF WORKS
	SUBSOIL DRAINS WITH FLUSHING POINTS SUBSOIL DRAINAGE FLUSHING AND/OR INTERMEDIATE RISERS TO BE INSTALLED AT 40m CENTRES, AND AT ALL UPSTREAM END POINTS PER PCC SD2004
	SUBSOIL DRAINS BENEATH PAVEMENT REFER DETAIL DWG. C8017
	GRASS LINED CATCH DRAIN REFER DWG C8016
	PROPOSED GRAVITY SEWER REFER QALCHEK DRAWINGS FOR DETAILS
	PROPOSED GRAVITY SEWER MANHOLE REFER QALCHEK DRAWINGS FOR DETAILS
	PROPOSED GRAVITY SEWER MAINTENANCE SHAFT REFER QALCHEK DRAWINGS FOR DETAILS
	PROPOSED STREET LIGHT REFER EDGEWATER DRAWINGS FOR DETAILS
	SERVICE / ITEM TO BE REMOVED
	PROPOSED RIP RAP SCOUR PROTECTION

CONSTRUCTION TOLERANCES

BULK EARTHWORKS		
EARTHWORKS	-50mm / +0mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
STORMWATER		
PIPES/CULVERTS	WITHIN 20mm	OF THE DESIGN INVERT LEVEL AT ANY POINT
PIPES/CULVERTS	WITHIN 100mm	OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT
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
CHAMBERS	WITHIN 20mm	OF THE INVERT LEVEL SHOWN ON THE DRAWINGS
CHAMBERS	WITHIN 200mm	LONGITUDINALLY OF THE PLAN POSITION, WITH REFERENCE TO THE CONTROL LINE FOR THE ROAD SHOWN ON THE DRAWINGS
LINTELS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
COVERS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
GRATES	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
OPEN DRAINS	WITHIN 50mm	OF THE DESIGN LEVEL AT ANY POINT PROVIDED THAT THERE IS A CONTINUOUS DOWNGRADE (WITHOUT PONDING) IN THE DIRECTION OF FLOW NOT LESS THAN 0.5% AT ANY POINT
PAVEMENT / ACCESS TRACKS		
SUBBASE	-10mm / +10mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
SUBBASE	-10mm / +0mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
SUBBASE	-5mm / +5mm	ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES
BASECOURSE	-0mm / +20mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
BASECOURSE	-0mm / +10mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
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 COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT 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 COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.	

PAVEMENT / ACCESS TRACKS		
CONCRETE		
KERB	-5mm / +5mm	ALONG THE TOP OF KERB OVER A LENGTH OF 5 METRES
KERB	-5mm / +5mm	ALONG THE FACE OF KERB OVER A LENGTH OF 5 METRES
PATH	-0mm / +10mm	OF FOOTPATH/SHARED PATH FINISHED SURFACE LEVEL
PATH	SURFACE OF THE PATH, INCLUDING JOINTS, MUST NOT POND WATER.	
VERGE		
TURF	-10mm / +0mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)
MULCH	-10mm / +0mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)
RETAINING / NOISE WALLS		
WALL	-20mm / +20mm	FROM ANY POINT ON THE WALL THE LEVEL MUST NOT DEVIATE FROM THAT SPECIFIED
WALL	-10mm / +10mm	INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (BLOCK WALL)
WALL	-5mm / +0mm	INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (PANEL WALL)
WALL	-20mm / +20mm	FLATNESS OF THE FACE OF THE WALL MUST BE SUCH THAT THE MAXIMUM DEVIATION FROM A 4.5 M STRAIGHT EDGE

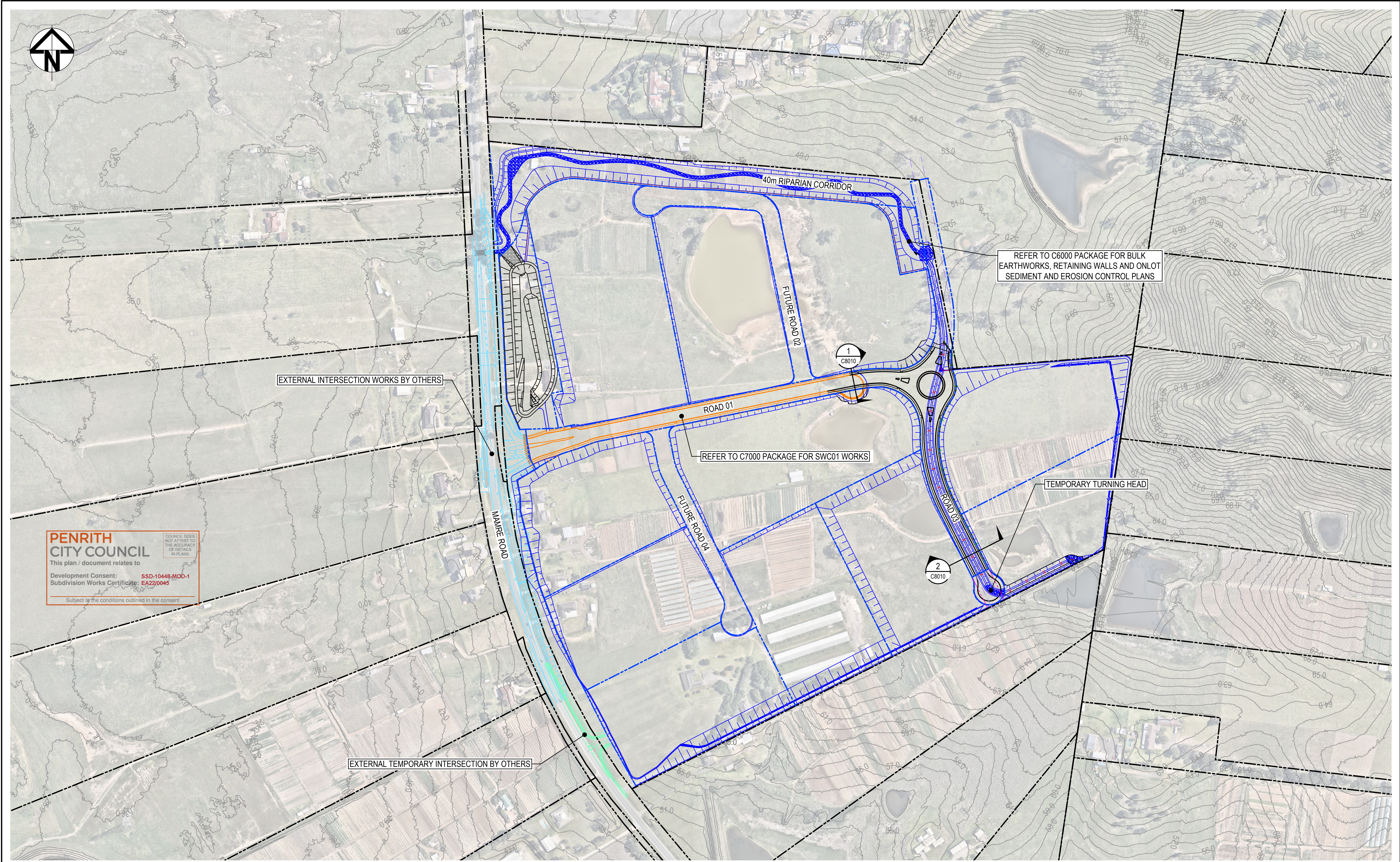
TOLERANCE FOR EMBANKMENT BATTERS

LOCATION	TOLERANCE (mm)	
	SLOPE 1H:1V OR FLATTER	SLOPE STEEPER THAN 1H:1V
AT LEVEL OF TOP OF FORMATION/ UNDERSIDE OF PAVEMENT	+0/-150	+0/-150
BETWEEN TOP OF FORMATION AND 1m BELOW TOP OF FORMATION	+150/-150	+150/-150
BEYOND 1m BELOW TOP OF FORMATION	+300/-300	+300/-300
REFER TO TfNSW R44 SPECIFICATION		

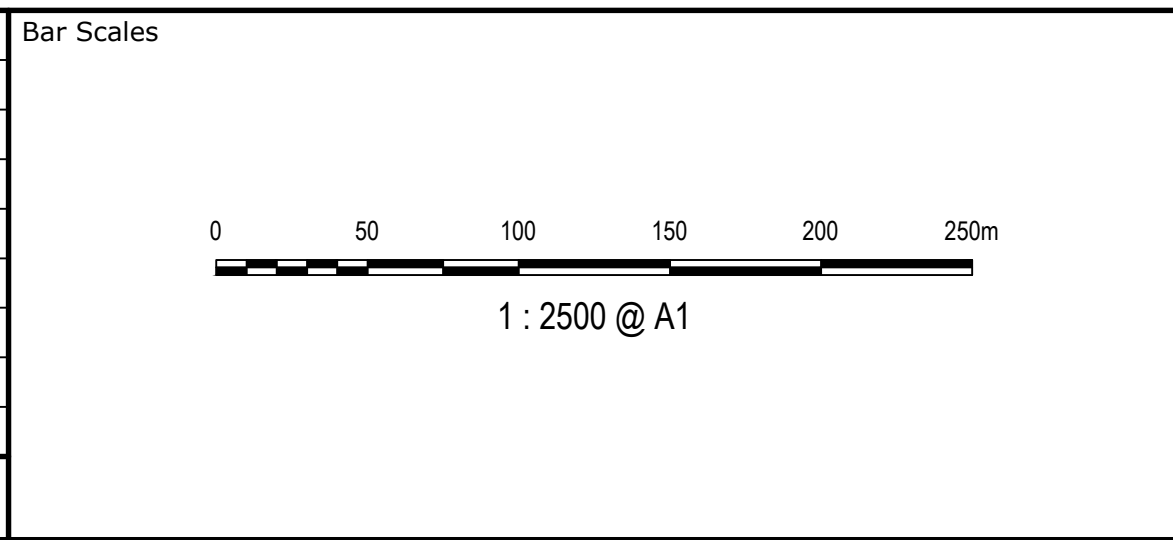
PENRITH
CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA22/0045**
Subject to the conditions outlined in the consent

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

		Bar Scales	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client <div></div>	Scales		Drawn	JB/MH	Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B	Civil Engineers and Project Managers			
					Designed	JB/MH	<div></div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>						
					Grid	GDA2020		Checked		DS	Title <div>NOTES AND LEGENDS SHEET SHEET 2</div>	Status FOR CONSTRUCTION	A1
					Height Datum	AHD		Approved		DS		Project - Drawing No. 18-596-C8003	Issue 1
					<div></div>								
1	ISSUED FOR CONSTRUCTION	17-11-22											
A	ISSUED FOR SWC APPROVAL	20-10-22											
Issue	Description	Date											



1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date



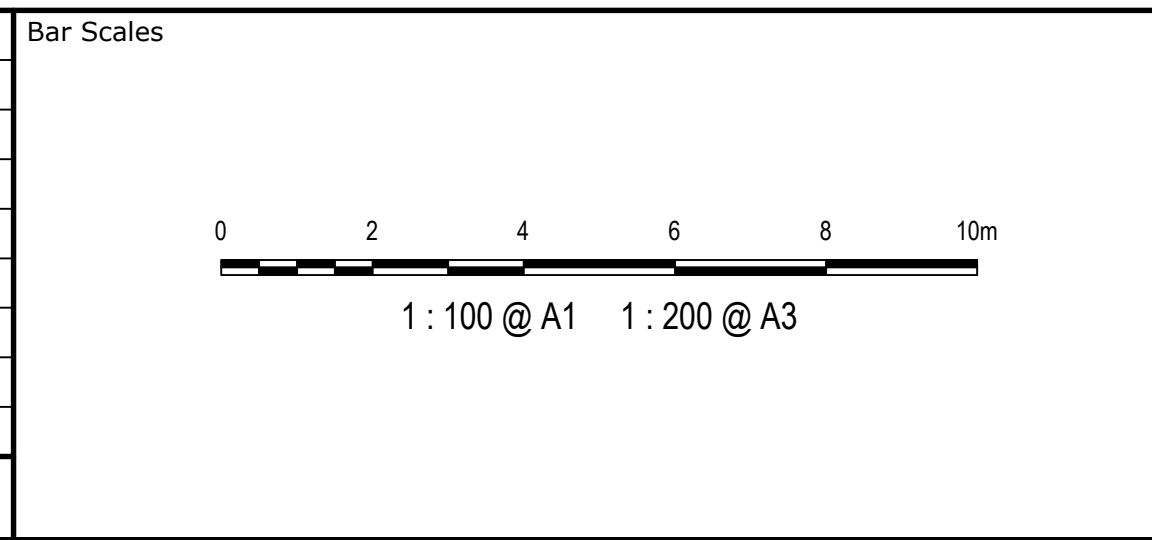
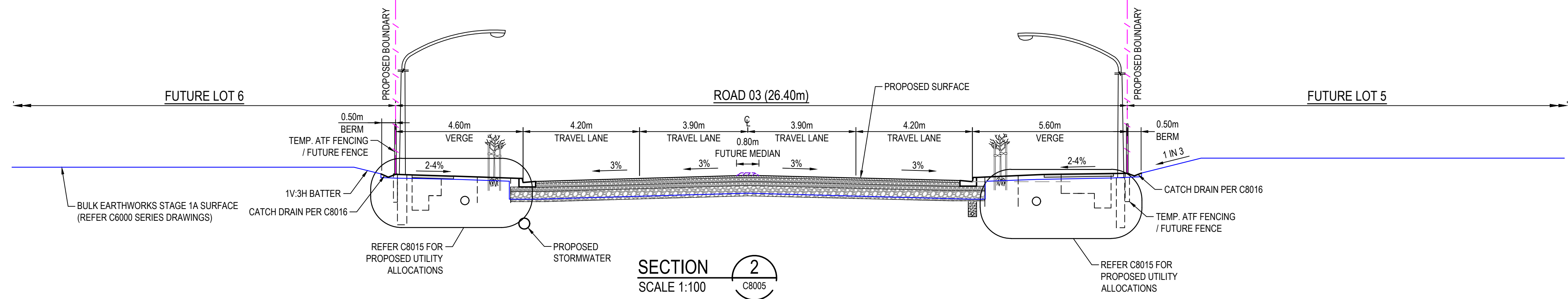
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



Project
ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

Title
GENERAL ARRANGEMENT
PLAN

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR CONSTRUCTION	A1
Project - Drawing No.	18-596-C8005	Issue 1




Client

The Mirvac logo consists of a stylized, dark blue graphic above the word "mirvac" in a lowercase, sans-serif font. The graphic is composed of four chevron-like shapes pointing upwards, arranged in a row.

Scales 1:100		Drawn	JB/IMH
		Designed	JB/IMH
Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS

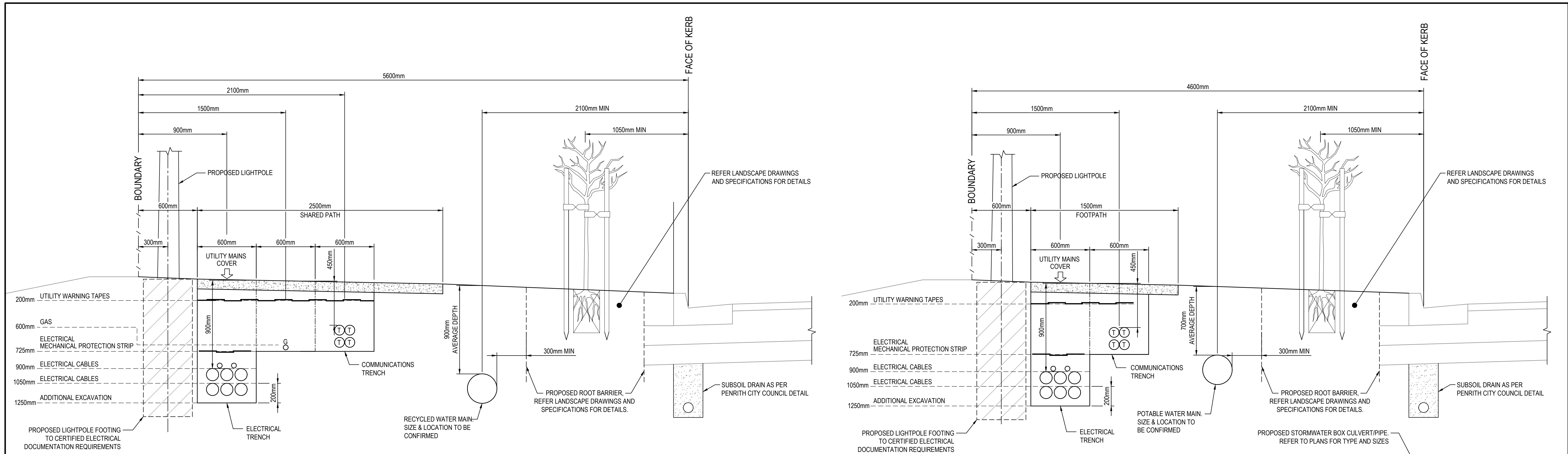

GDA2020

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	TYPICAL SECTIONS

		<p>Civil Engineers and Project Managers</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060</p> <p>ABN 96 130 882 405</p> <p>Tel: 02 9439 1777</p> <p>Fax: 02 9923 1055</p> <p>www.atl.net.au info@atl.net.au</p>
<p>STATUS</p> <p>FOR CONSTRUCTION</p>	<p>A1</p>	
<p>Project - Drawing No.</p> <p>18-596-C8010</p>	<p>Issue</p> <p>1</p>	

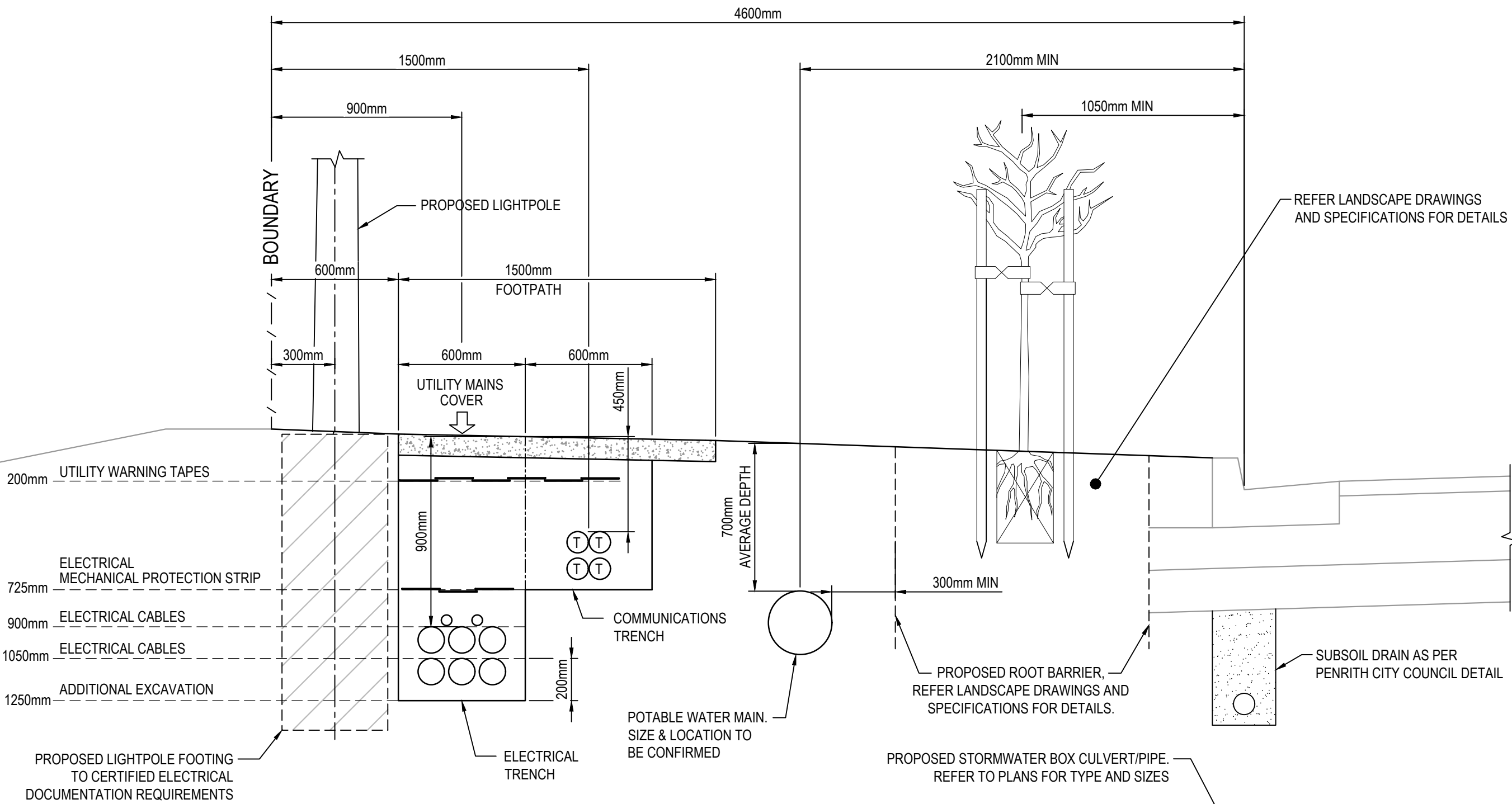


F:\18-596 Mamre Road\6.0 Drgs\Civil\Final\CC\8000_STAGE 1B CC\18-596-C8012.dwg



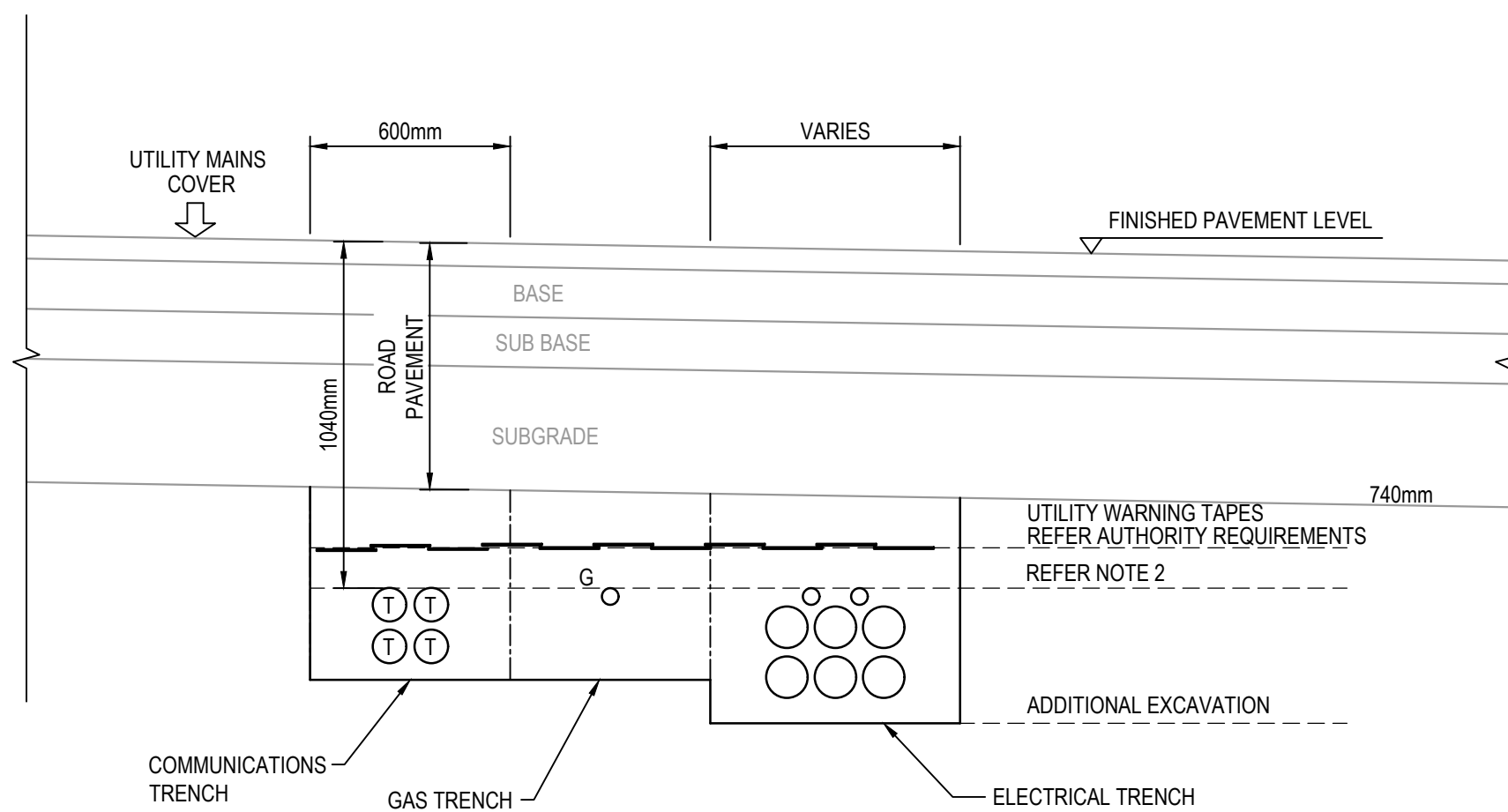
TYPICAL SERVICES TRENCH DETAIL
ROAD 01 & ROAD 03 (SHARED PATH VERGE)

SCALE 1:20
NOTE: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.



TYPICAL SERVICES TRENCH DETAIL
ROAD 01 & ROAD 03 (FOOTPATH VERGE)

SCALE 1:20
NOTE: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.

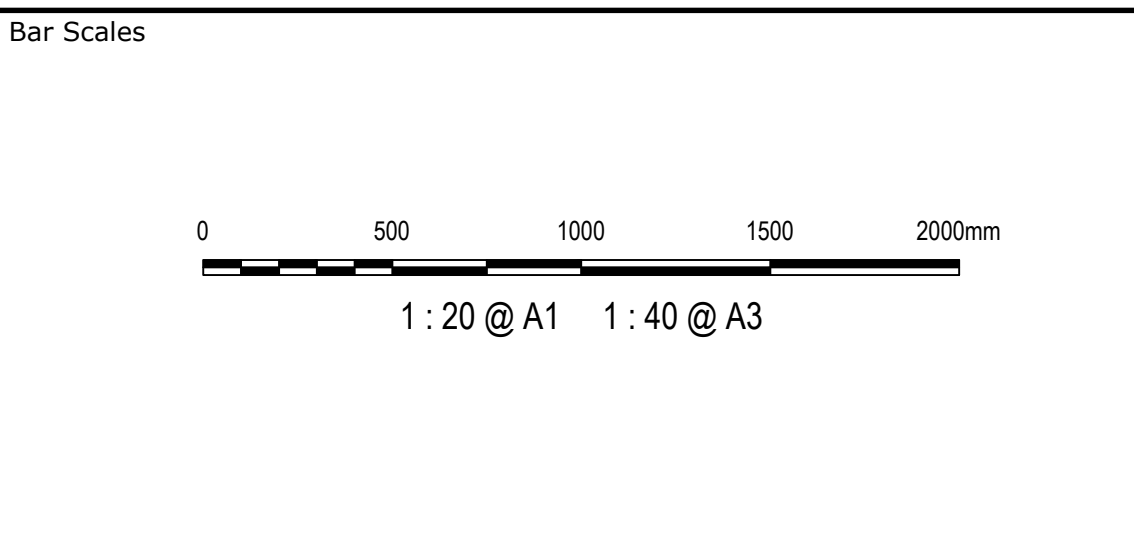


TYPICAL SERVICES TRENCH DETAIL (ROAD CROSSING)

- NOTES
- 1: FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.
 - 2: UTILITY DEPTHS TO BE INSTALLED IN ACCORDANCE WITH AUTHORITY REQUIREMENTS OR MINIMUM 300mm BELOW SUBGRADE, WHICHEVER IS THE MORE ONEROUS.

SCALE 1:20

1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date



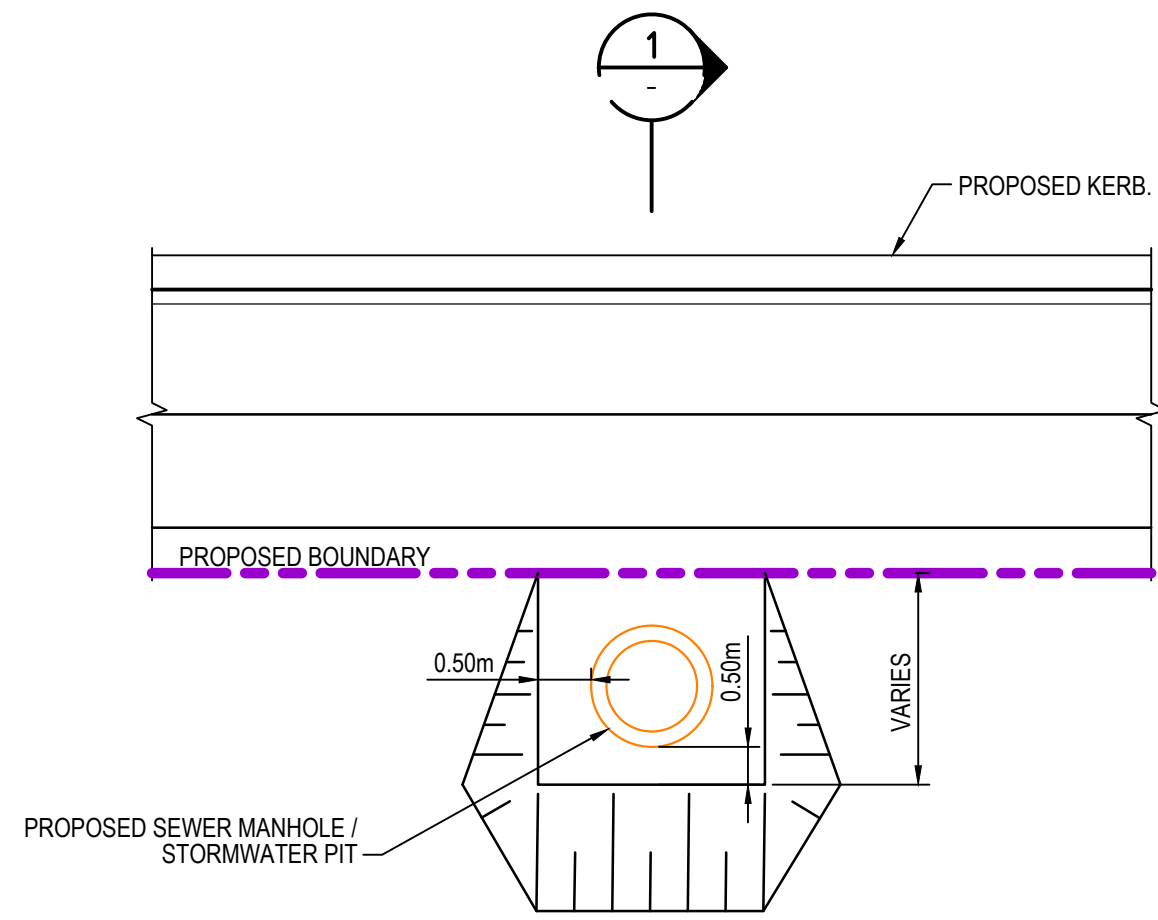
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



Project
ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

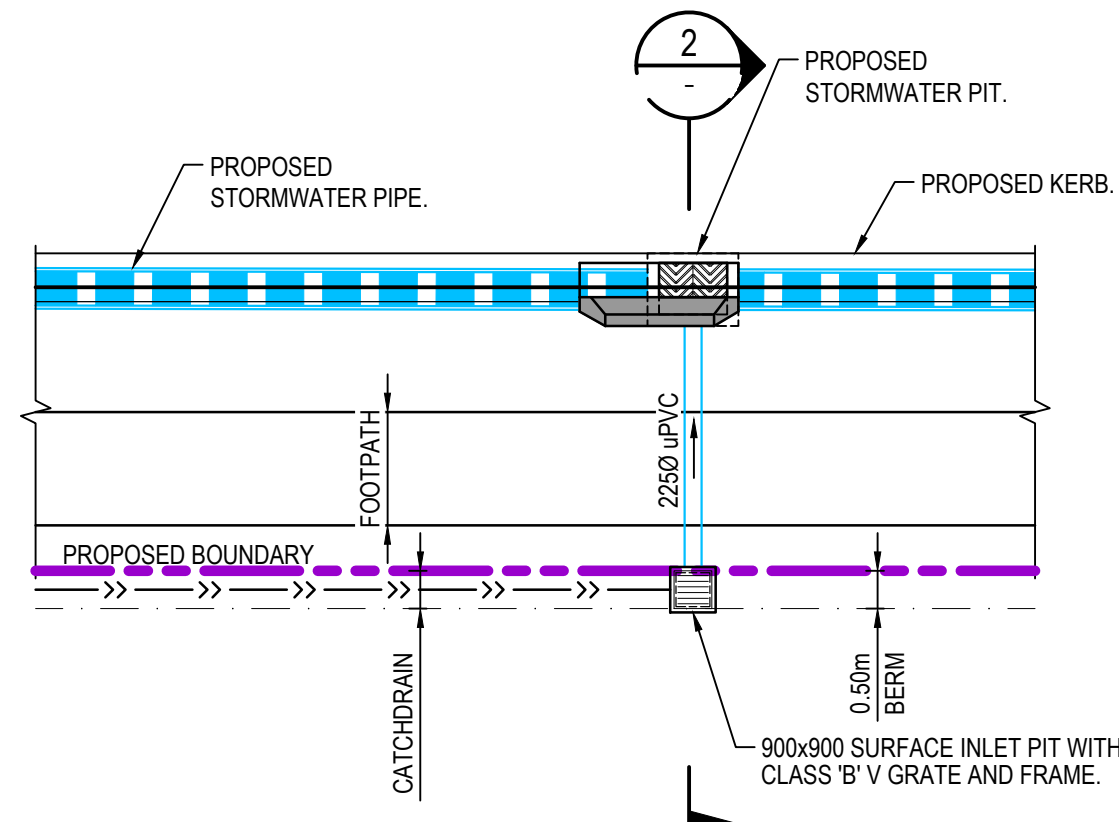
Title
TYPICAL DETAILS
SHEET 1

Civil Engineers and Project Managers	
at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status FOR CONSTRUCTION	A1
Project - Drawing No. 18-596-C8015	Issue 1



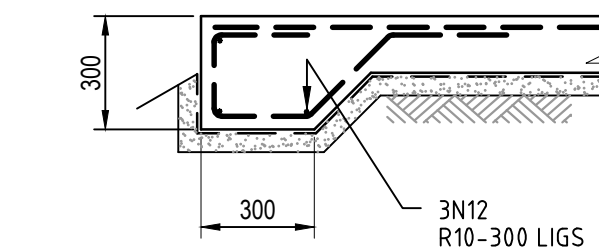
SEWER MANHOLE AND STORMWATER PIT IN BATTER DETAIL

1 : 100



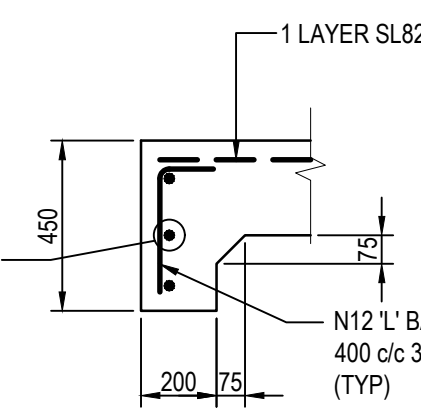
TYPICAL BATTER CATCH DRAIN PIT DETAIL

1 : 100



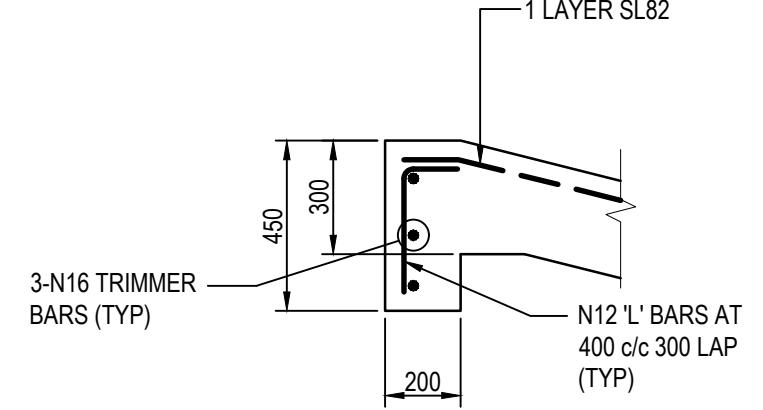
THICKENED EDGE DETAIL (TE)

SCALE 1:20



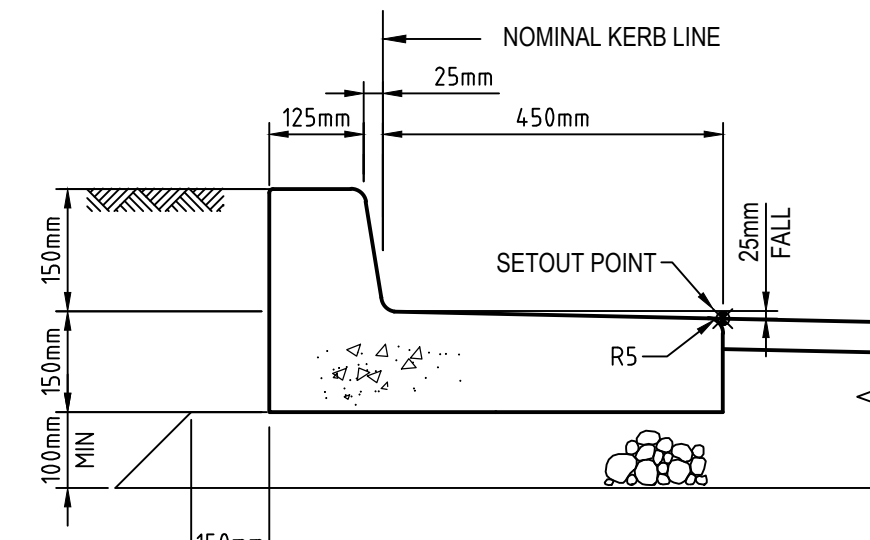
EDGE BEAM DETAIL 1 (EB)

SCALE 1:20



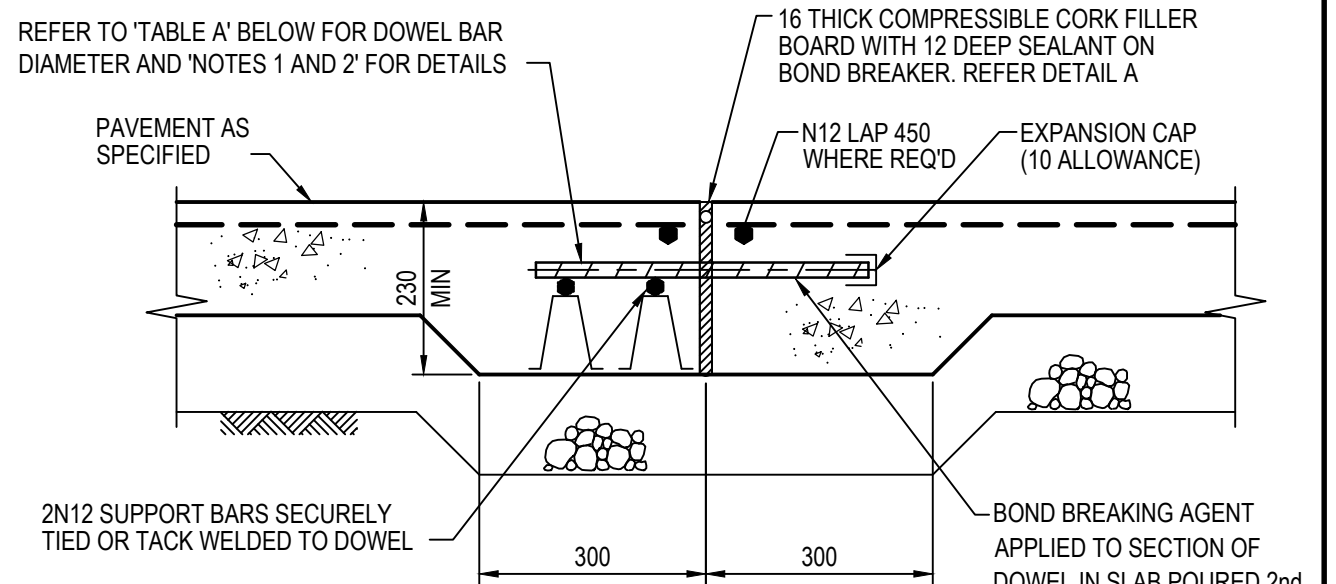
EDGE BEAM DETAIL 2 (EB)

SCALE 1:20



KERB AND TOE (K&T)

SCALE 1:10



DOWELLED EXPANSION JOINT (DEJ)

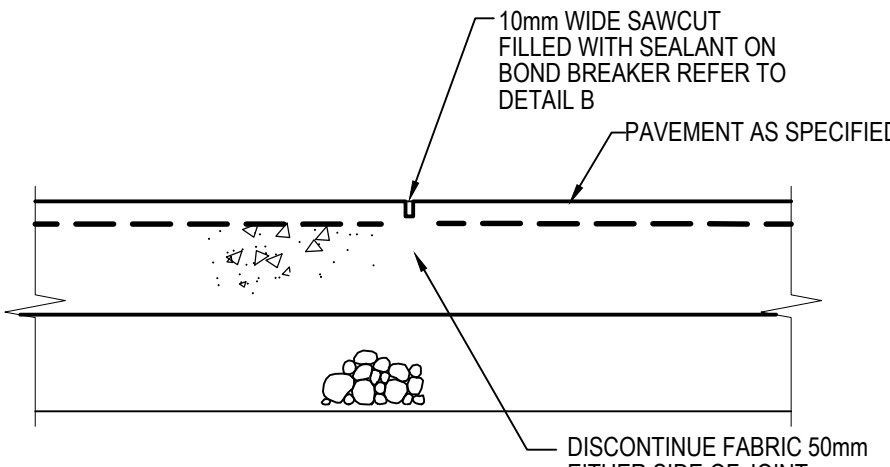
SCALE 1:10

NOTE

- DOWEL BARS ARE TO BE PLAIN ROUND STEEL BARS OF GRADE 250N AND 450mm LONG PLACED AT 300mm CENTRES.
- MORE THAN HALF OF THE DOWEL SHOULD BE COATED WITH DEBONDING AGENT TO ENSURE EFFECTIVE DEBONDING FROM THE CONCRETE ON THAT SIDE OF THE JOINT.

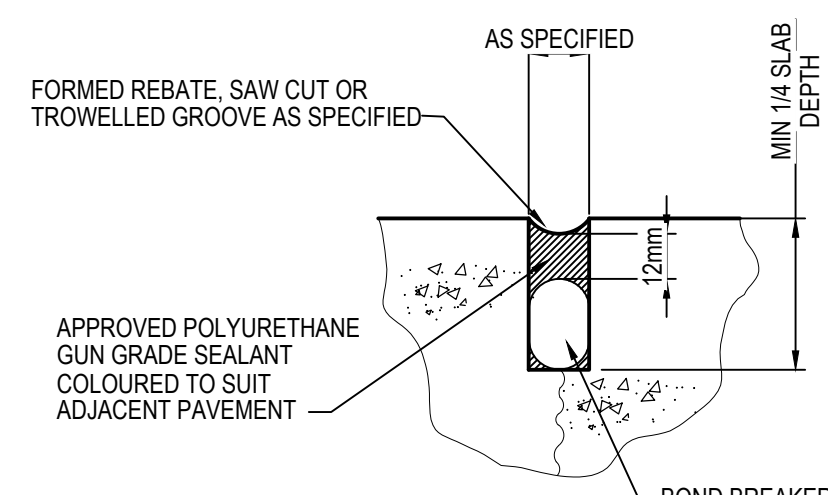
TABLE A

SLAB THICKNESS	DOWEL DIA.
125<D≤160	24
160<D≤200	28
200<D≤250	32
D>250	36



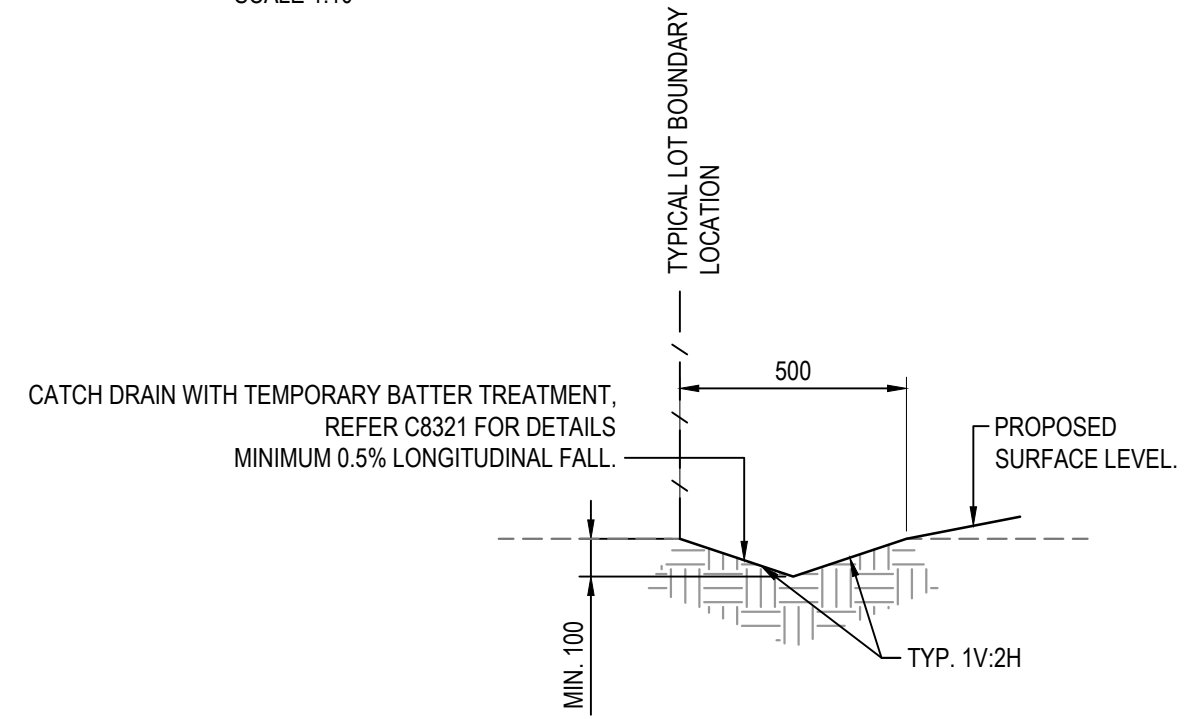
SAWN JOINT (SJ)

SCALE 1:10



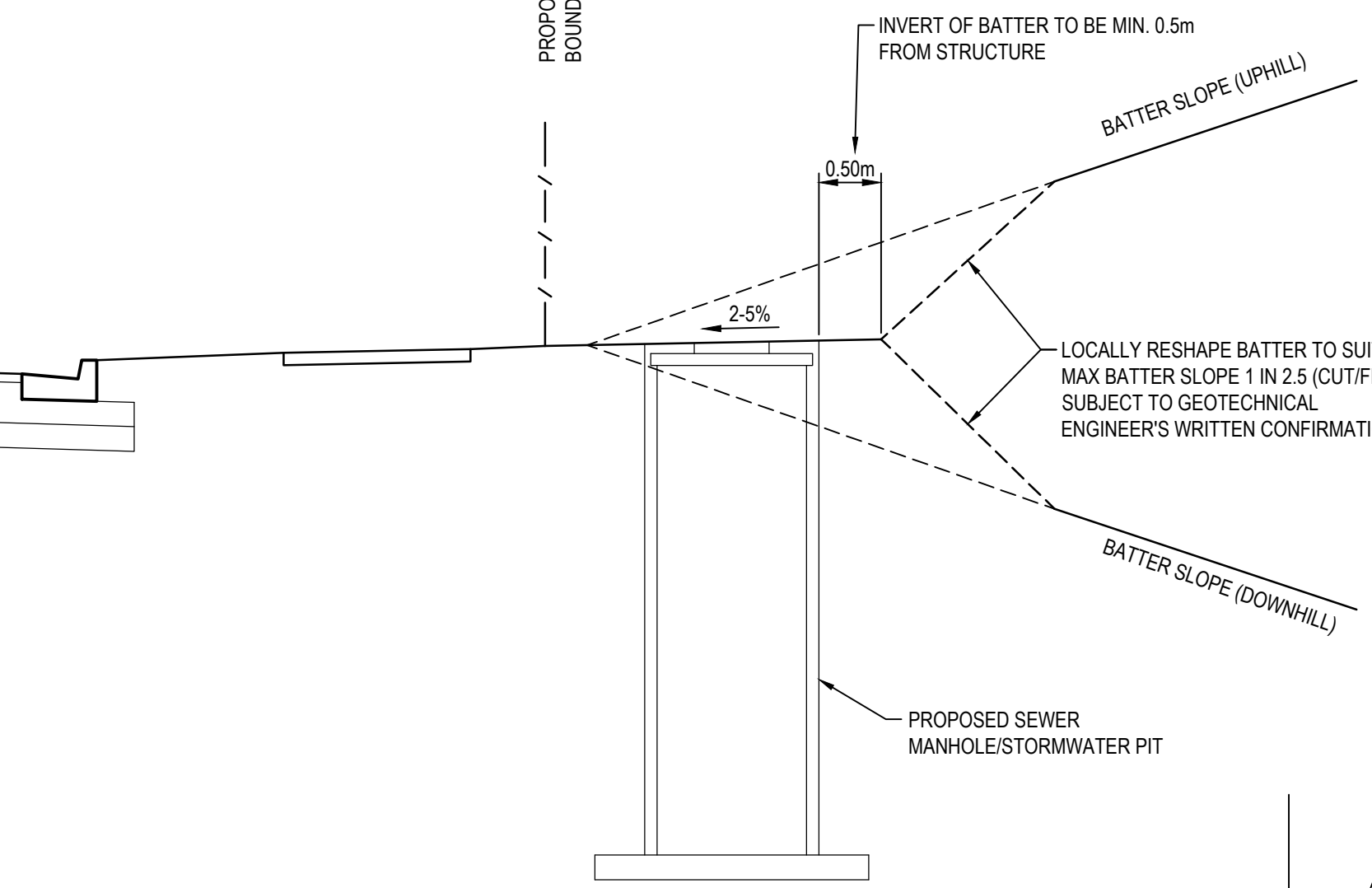
DETAIL B

N.T.S.



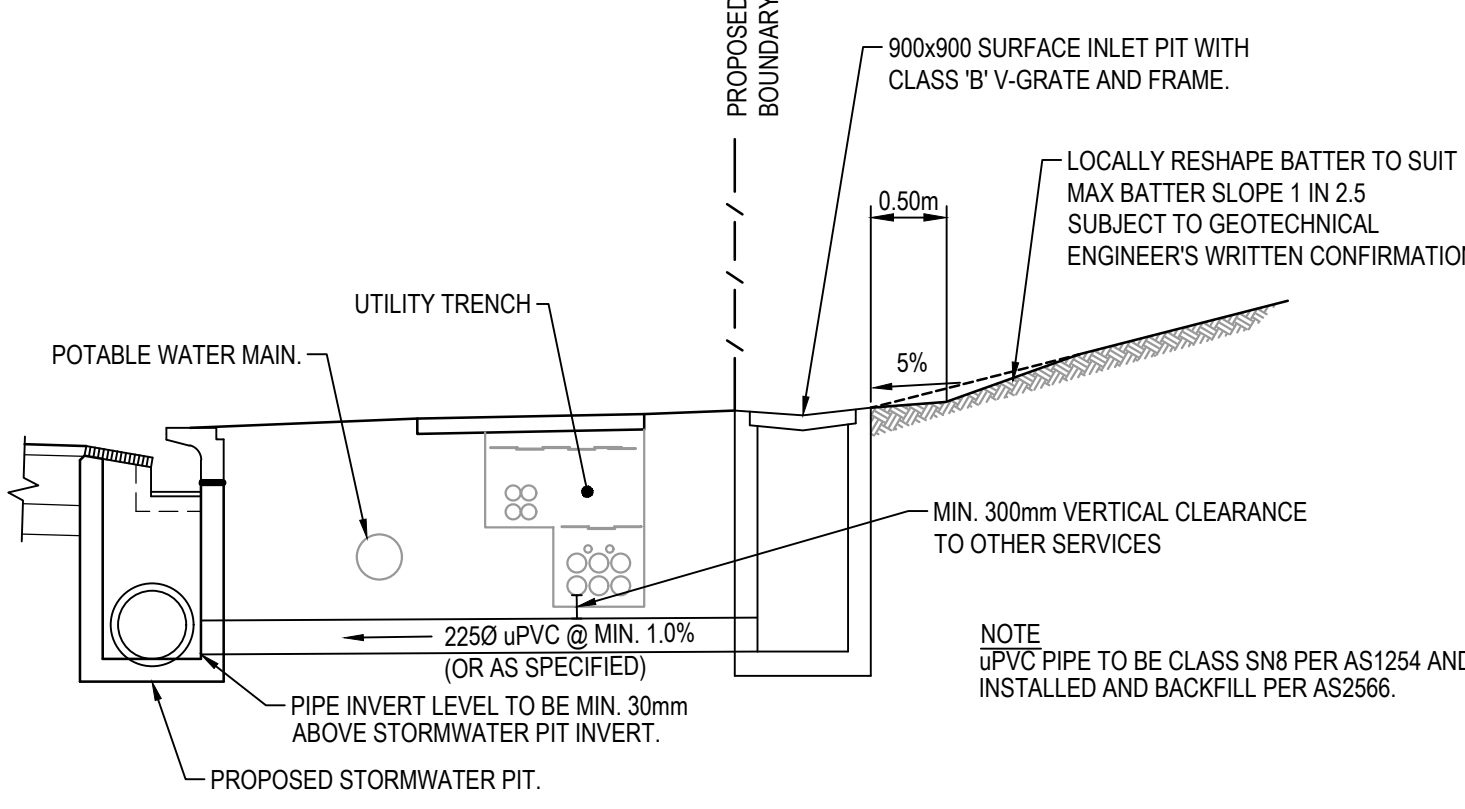
TYPICAL CATCH DRAIN DETAIL

SCALE 1:20



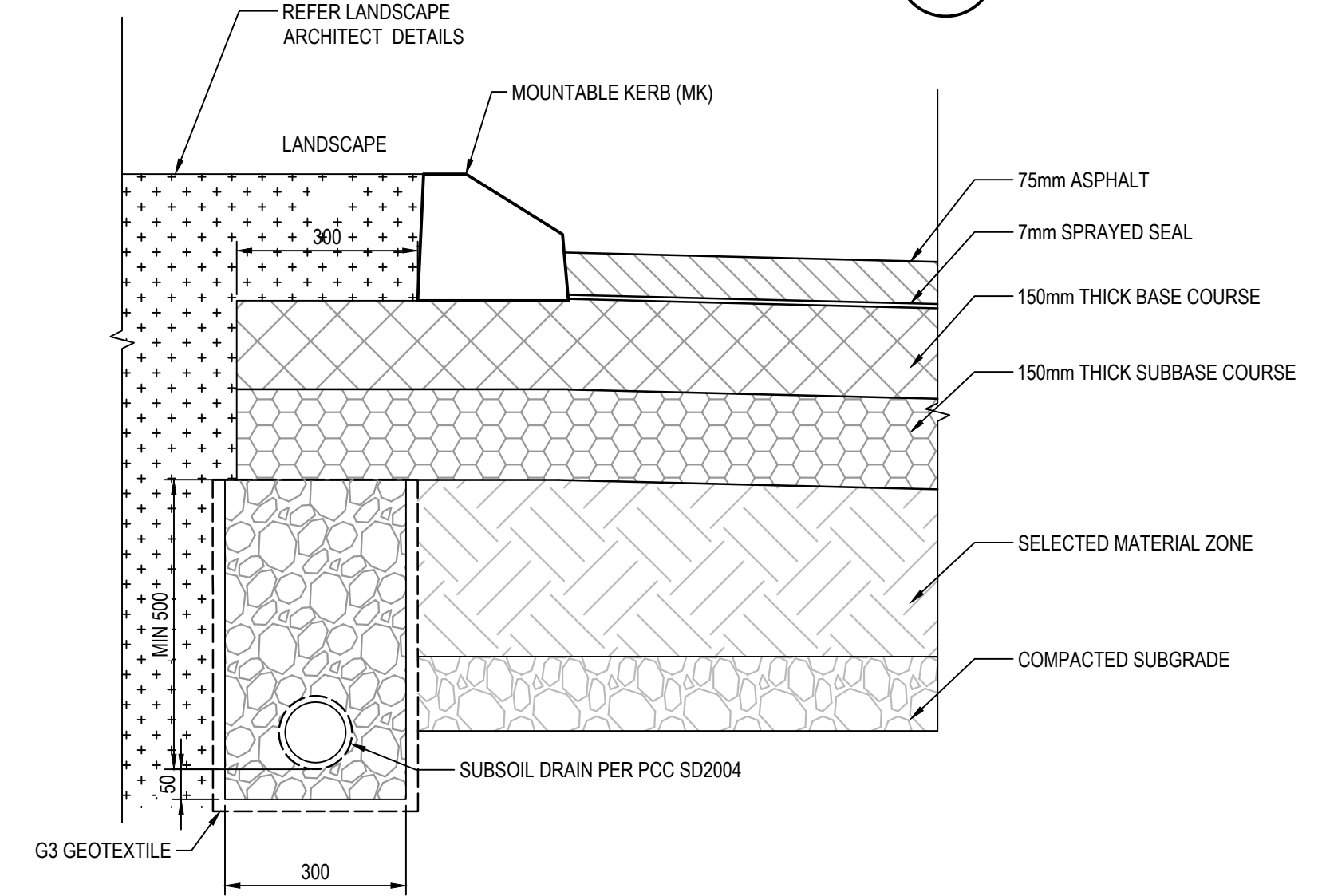
SERVICE COVER IN FOOTPATH
TYPICAL DETAIL

SCALE 1:50



SECTION 2

1 : 50



TYPICAL SECTION THROUGH RAISED TRAFFIC ISLAND WITH LANDSCAPE

SCALE 1:10

PENRITH CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA22/0045**
Subject to the conditions outlined in the consent

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22

Bar Scales	0 100 200 400 600 800 1000mm
1 : 10 @ A1	1 : 20 @ A3
0 500 1000 2000mm	
1 : 20 @ A1	1 : 40 @ A3
0 1 2 3 4 5m	
1 : 50 @ A1	1 : 100 @ A3
0 2 4 6 8 10m	
1 : 100 @ A1	1 : 200 @ A3

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



Scales	AS SHOWN	Drawn	JB/MH
Grid	GDA2020	Designed	JB/MH
Height Datum	AHD	Checked	DS
		Approved	DS

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	TYPICAL DETAILS SHEET 2

Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR CONSTRUCTION
Project - Drawing No.	18-596-C8016
Issue	1

The diagram illustrates a cross-section of a road pavement structure. The top layers, shown in a hatched pattern, consist of a 75mm WEARING COURSE AC14 (A15E), a 7mm SPRAYED SEAL (A15E), and a 150mm UNBOUND BASECOURSE (R71, T1NSW3051, E=350 MPa). Below these is a 150mm UNBOUND SUB-BASECOURSE (R71, T1NSW3051, E=250 MPa). The main body of the pavement is a 370mm SELECTED MATERIAL ZONE, depicted with a hexagonal pattern. At the base is the COMPACTED SUBGRADE, shown with an irregular pattern. A detail view of a subsoil pipe is shown within the selected material zone. The pipe is a 100mm DIA. CLASS 400 SUBSOIL PIPE PER PCC SD2004, surrounded by NO FINES CONCRETE (RMS3222) ENCLOSED IN GEOTEXTILE FABRIC. The pipe has a diameter of 100mm and is surrounded by a 300mm wide concrete zone. The total height of the concrete zone is 300mm, and the height of the pipe itself is 100mm.

75mm WEARING COURSE AC14 (A15E)
7mm SPRAYED SEAL (A15E)
150mm UNBOUND BASECOURSE (R71, T1NSW3051, E=350 MPa)
150mm UNBOUND SUB-BASECOURSE (R71, T1NSW3051, E=250 MPa)
370mm SELECTED MATERIAL ZONE
COMPACTED SUBGRADE
NO FINES CONCRETE (RMS3222)
ENCLOSED IN GEOTEXTILE FABRIC
100mm DIA. CLASS 400
SUBSOIL PIPE PER PCC SD2004
300
100
MIN 300

2000

1020

980

10

160

610

800

10

30

100

232

JOINT KERB TO SUIT APRON JOINTING

SETOUT POINT

PROPOSED SURFACE LEVEL

16 THICK COMPRESSIBLE CORK FILLER BOARD WITH 12 DEEP SEALANT ON BOND BREAKER, REFER DETAIL 'A'

16 THICK COMPRESSIBLE CORK FILLER BOARD WITH 12 DEEP SEALANT ON BOND BREAKER, REFER DETAIL 'B'

250mm THICKNESS N32 CONCRETE (2 LAYERS SL92 MESH)

1 IN 15

100

150

MIN

300

175mm THICKNESS SUB-BASECOURSE DGS40

N16 TIE BARS 600 LONG @ 900 cts

N16 TIE BARS 600 LONG @ 900 cts

10 OR 20 NOM. SIZE AGGREGATE FILTER MATERIAL WRAPPED IN GEOTEXTILE FABRIC

100mm DIA. SUBSOIL DRAIN PER PCC SD2014

G3 GEOTEXTILE

300

50

MIN 500

1 IN 12

FOR LANDSCAPING OF ROUNDABOUT CENTRE ANNULUS, REFER LANDSCAPE DOCUMENTATION FOR DETAILS.

PROPOSED SURFACE LEVEL OF LOW MAINTENANCE LANDSCAPING. REFER LANDSCAPE DOCUMENTATION FOR DETAILS.

300

100

MIN

50

300

G3 GEOTEXTILE

TRENCH DRAIN AT MINIMUM 0.5% GRADE WITH Ø100 PERFORATED PLASTIC PIPE 10 OR 20 NOM. AGGREGATE FILTER MATERIAL WRAPPED IN GEOTEXTILE FABRIC

FORMED REBATE, SAW CUT OR TROWELLED GROOVE AS SPECIFIED

AS SPECIFIED

MIN 1/4 SLAB DEPTH

2mm

APPROVED POLYURETHANE GUN GRADE SEALANT COLOURED TO SUIT ADJACENT PAVEMENT

BOND BREAKER


DETAIL B

Diagram illustrating the joint detail for a concrete slab. The joint is formed by a rebate, saw cut, or trowelled groove, as specified. The joint is filled with approved polyurethane gun grade sealant, coloured to suit adjacent pavement. The sealant is applied to the joint, and a bond breaker is used to separate the sealant from the concrete slab. The joint depth is specified as a minimum of 1/4 slab depth. The joint width is specified as 2mm.

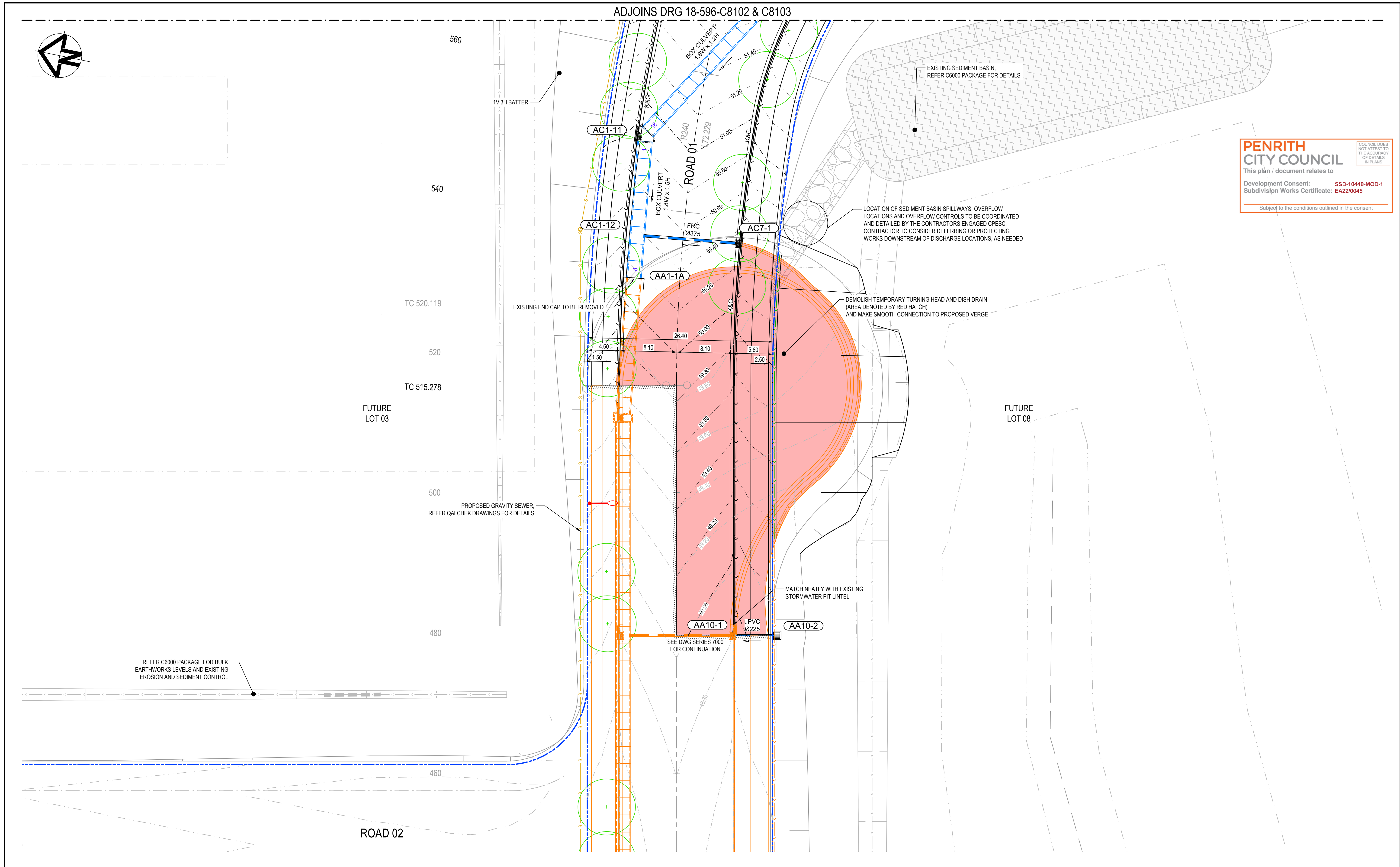
Bar Scales

The diagram shows a horizontal bar scale with markings at 0, 100, 200, 400, 600, 800, and 1000mm. Below the scale, the text "1:10 @ A1" and "1:20 @ A3" is displayed, indicating the scale and drawing size.

Scales	1:10	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS

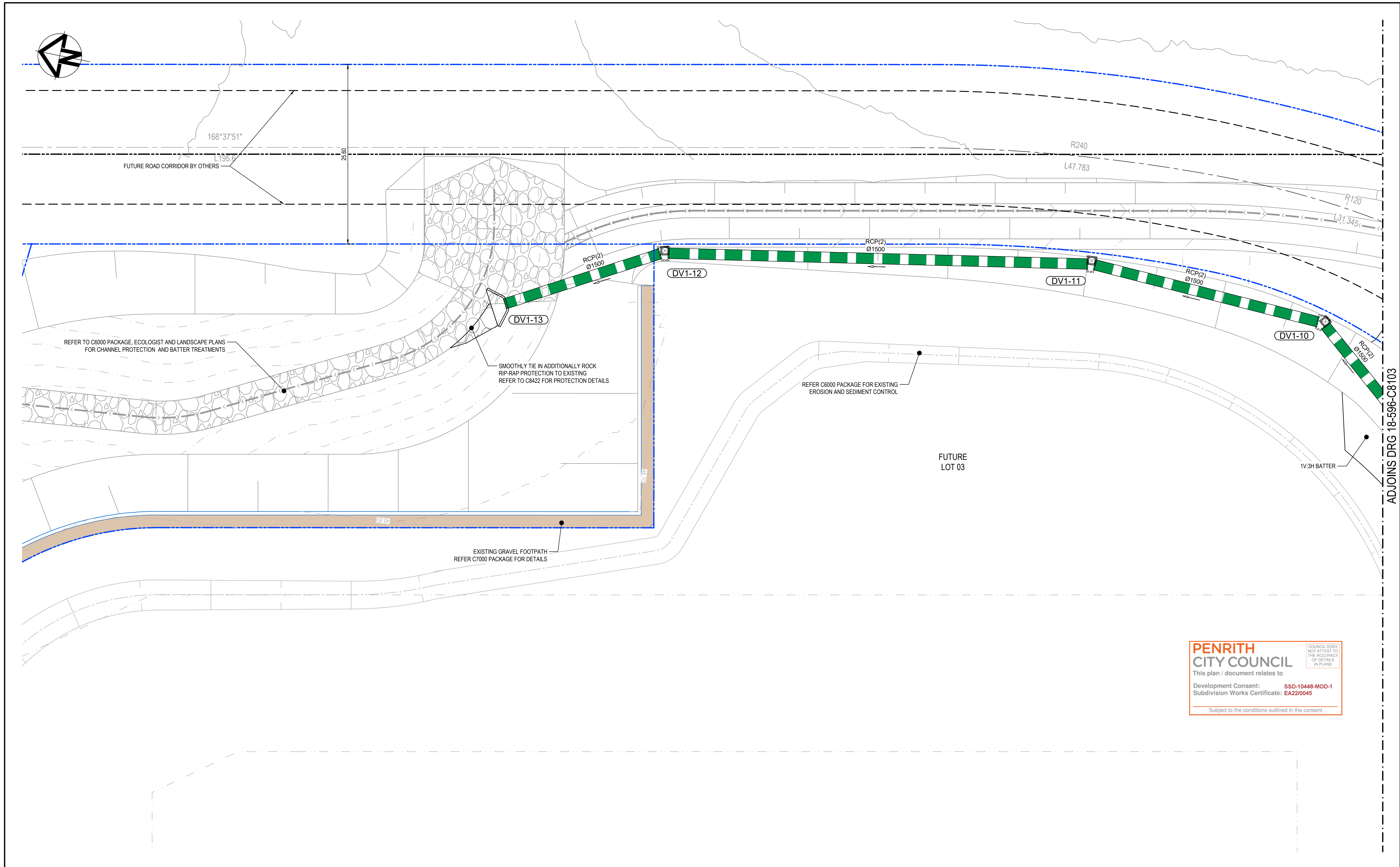

GDA2020

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



PENRITH CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA22/0045**
Subject to the conditions outlined in the consent

			<p>Bar Scales</p> <div></div> <p>1 : 250 @ A1 1 : 500 @ A3</p>		<p>Key Plan</p> <div></div>		<p>Client</p> <div></div>		<p>Scales</p> <p>1:250</p> <p>Grid GDA2020</p> <p>Height Datum AHD</p> <p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p> <div></div>		<p>Drawn</p> <p>JB/MH</p> <p>Designed</p> <p>JB/MH</p> <p>Checked</p> <p>DS</p> <p>Approved</p> <p>DS</p>		<p>Project</p> <p>ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B</p>		<p>Civil Engineers and Project Managers</p> <div></div> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>															
<table><tr><td>1</td><td>ISSUED FOR CONSTRUCTION</td><td>17-11-22</td></tr><tr><td>A</td><td>ISSUED FOR SWC APPROVAL</td><td>20-10-22</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>			1	ISSUED FOR CONSTRUCTION	17-11-22	A	ISSUED FOR SWC APPROVAL	20-10-22	Issue	Description	Date									<p>Title</p> <p>ROADWORKS AND STORMWATER DRAINAGE SHEET 1</p>		<table><tr><td>Status</td><td>FOR CONSTRUCTION</td><td>A1</td></tr><tr><td>Project - Drawing No.</td><td>18-596-C8101</td><td>Issue</td><td>1</td></tr></table>		Status	FOR CONSTRUCTION	A1	Project - Drawing No.	18-596-C8101	Issue	1
1	ISSUED FOR CONSTRUCTION	17-11-22																												
A	ISSUED FOR SWC APPROVAL	20-10-22																												
Issue	Description	Date																												
Status	FOR CONSTRUCTION	A1																												
Project - Drawing No.	18-596-C8101	Issue	1																											



PENRITH
CITY COUNCIL

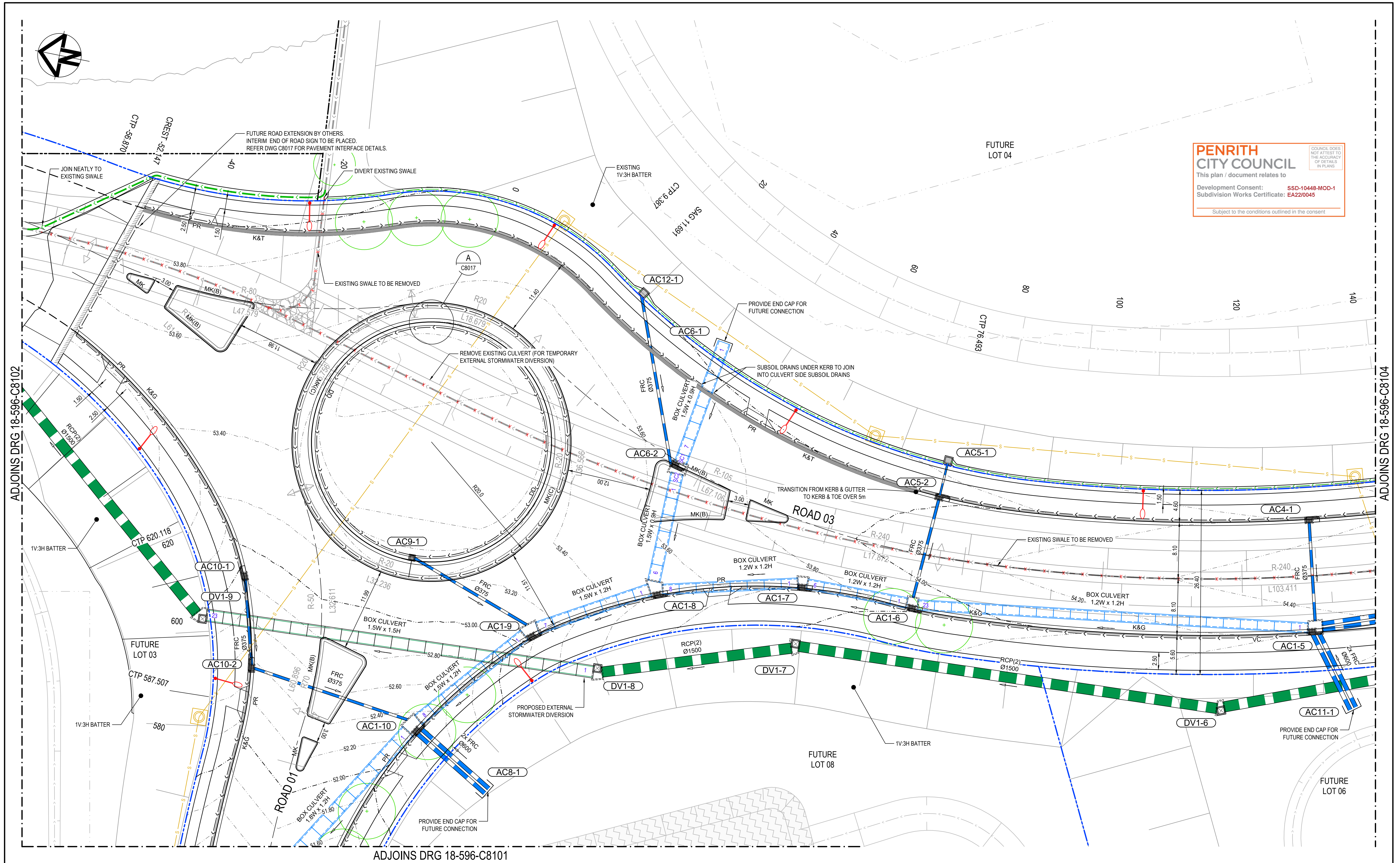
This plan / document relates to

Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA22/0045**

Subject to the conditions outlined in the consent

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

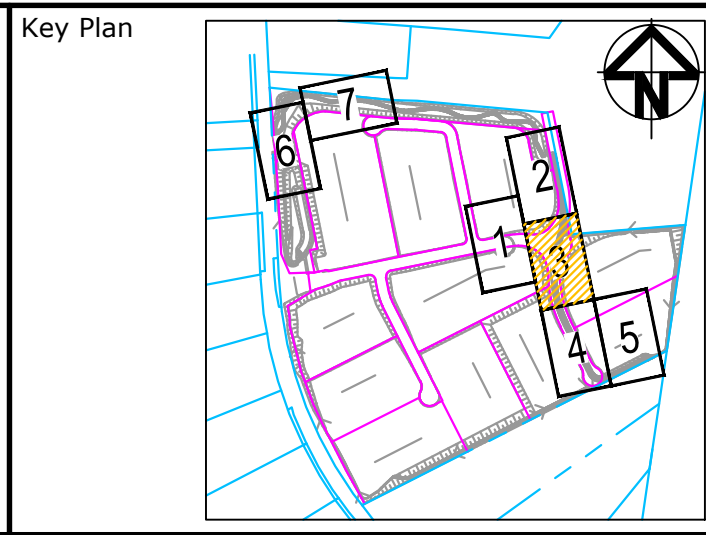
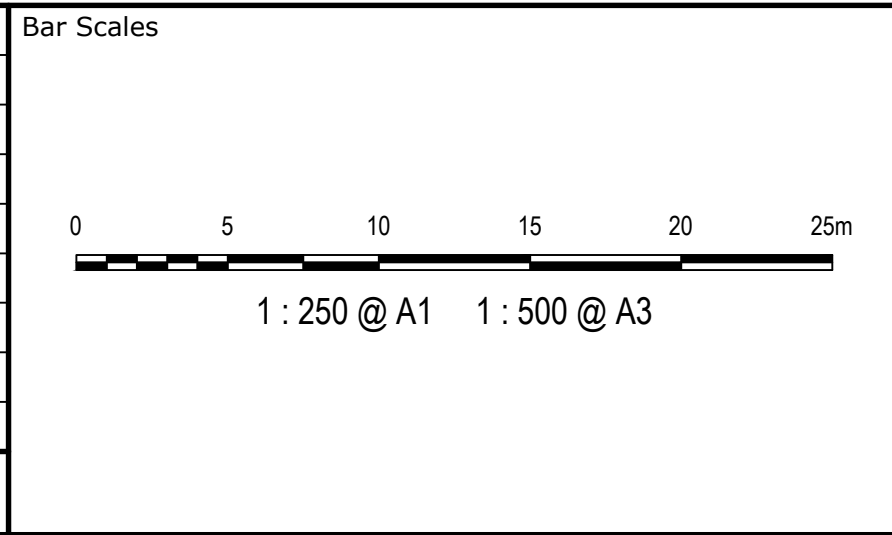
			<div>Bar Scales</div> <div><div><div>0510152025m</div><div>1 : 250 @ A1 1 : 500 @ A3</div></div></div>		<div>Key Plan</div> <div></div>		<div>Client</div> <div></div>		<div>Scales</div> <div>1:250</div> <div>GridGDA2020</div> <div>Height DatumAHD</div> <div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</div> <div></div>		<div>Drawn</div> <div>DesignedJB/MH</div> <div>CheckedDS</div> <div>ApprovedDS</div>		<div>Project</div> <div>ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B</div> <div>Title</div> <div>ROADWORKS AND STORMWATER DRAINAGE SHEET 2</div>		<div>Civil Engineers and Project Managers</div> <div></div> <div>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</div>						
<table><tr><td>1</td><td>ISSUED FOR CONSTRUCTION</td><td>17-11-22</td></tr><tr><td>A</td><td>ISSUED FOR SWC APPROVAL</td><td>20-10-22</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>			1	ISSUED FOR CONSTRUCTION	17-11-22	A	ISSUED FOR SWC APPROVAL	20-10-22	Issue	Description	Date										
1	ISSUED FOR CONSTRUCTION	17-11-22																			
A	ISSUED FOR SWC APPROVAL	20-10-22																			
Issue	Description	Date																			



PENRITH CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA220045**
Subject to the conditions outlined in the consent

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

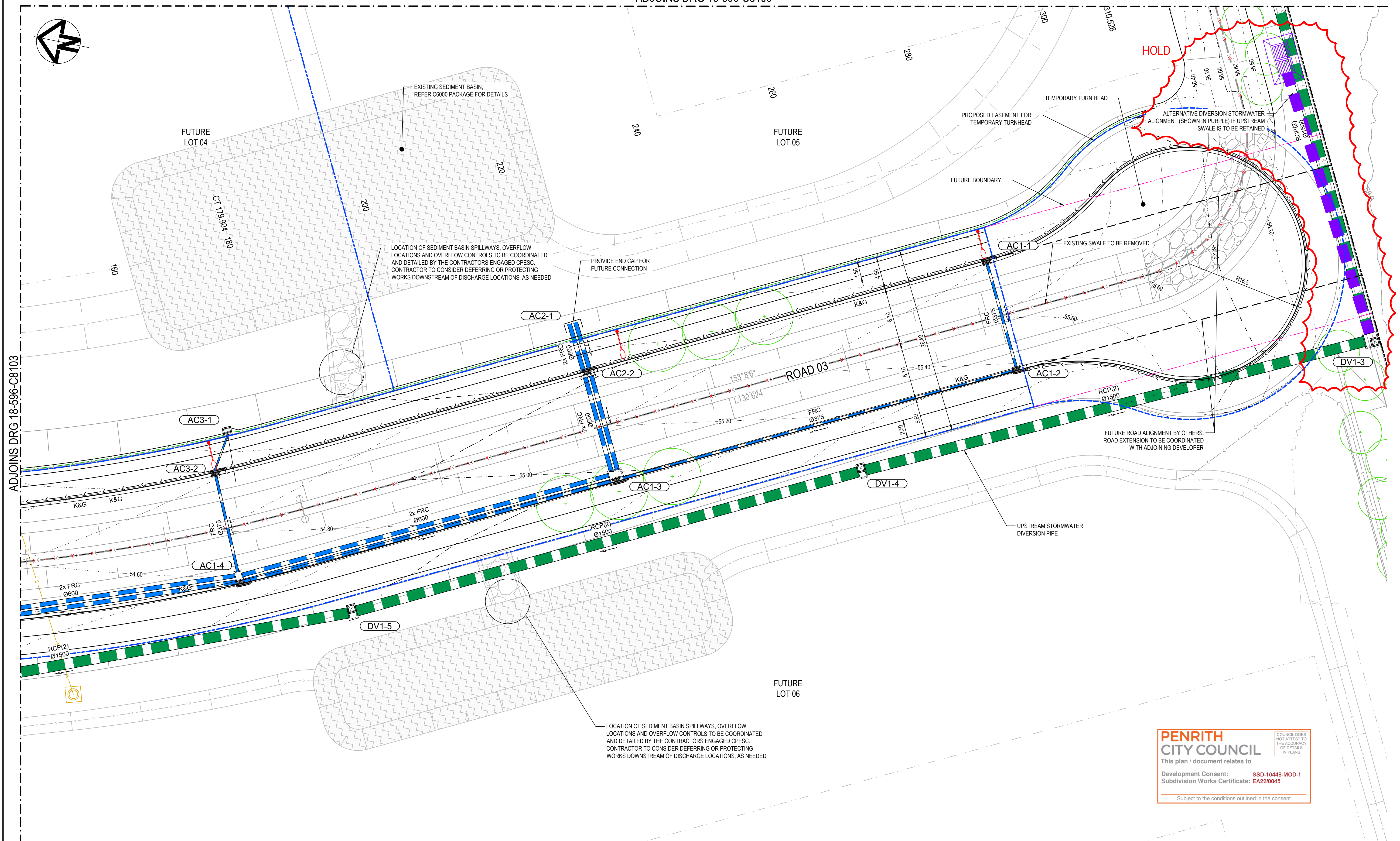
1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date



Scales	1:250	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	DS
Height Datum	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&I			

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 3

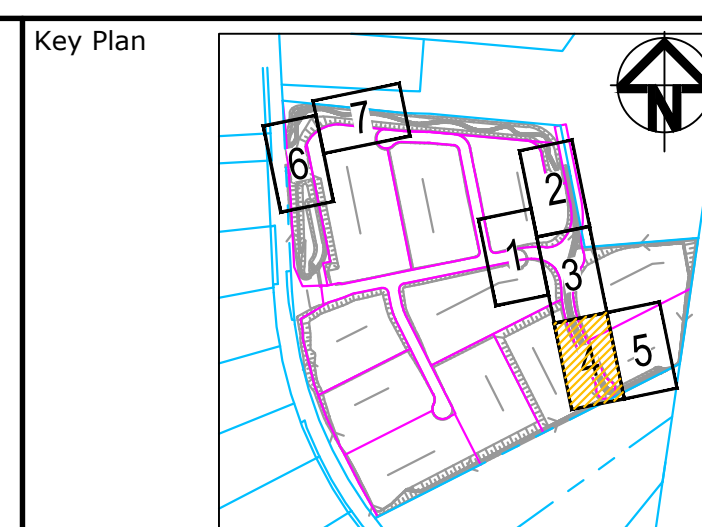
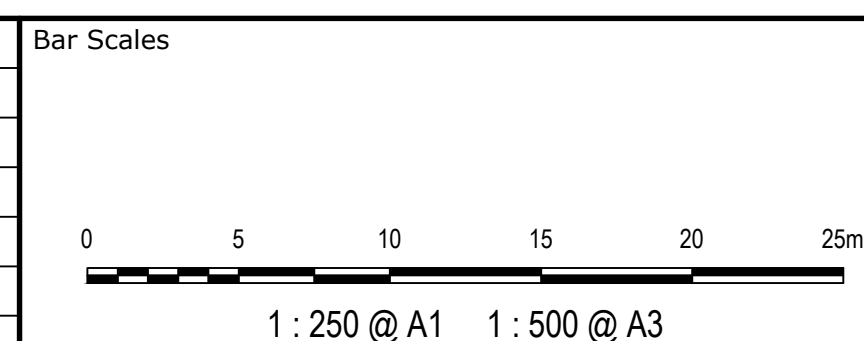
Civil Engineers and Project Managers	
 Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
Status	FOR CONSTRUCTION
Project - Drawing No.	18-596-C8103
Issue	1



<h1>PENRITH CITY COUNCIL</h1> <p>This plan / document relates to</p> <p>Development Consent: SSD-10448-MOD-1</p> <p>Subdivision Works Certificate: EA22/0045</p>	<p>COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS</p>
--	--


Subject to the conditions outlined in the consent

1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date




Scales	1:250	Drawn	JB/IMH
		Designed	JB/IMH
Grid	GDA2020	Checked	DS
Height Datum	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


GDA2020

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 4

Civil Engineers and Project Managers		
		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 120 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status	FOR CONSTRUCTION	A1
Project - Drawing No. 18-596-C8104		Issue 1