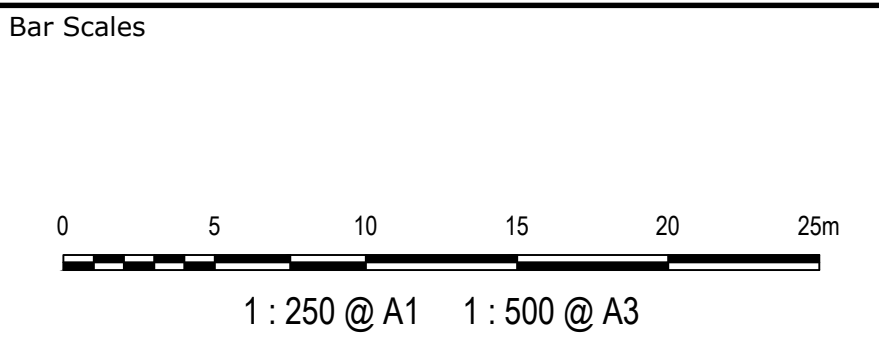


PENRITH CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA220045**
Subject to the conditions outlined in the consent

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

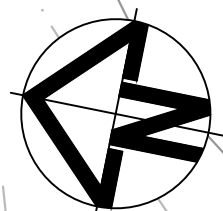
1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date



Scales	1:250	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS
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Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 5

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-C8105
Issue	1



PROPOSED GRAVITY SEWER,
REFER QALCHEK DRAWINGS FOR DETAILS

REFER C6000 PACKAGE FOR
RIPARIAN CORRIDOR DETAILS

— STORMWATER CULVERT TO BE INSTALLED PRIOR TO CONSTRUCTION OF GRAVEL FOOTPATH, OR ELSE REINSTATED FOLLOWING CULVERT INSTALLATION, SUBJECT TO CONSTRUCTION PROGRAM REQUIREMENTS. REFER C7000 PACKAGE FOR GRAVEL PATH DETAILS

EXISTING RETAINING WALL
REFER 6000 SERIES DRAWINGS FOR DETAILS

PROPOSED Ø600 FRC STORMWATER -
PIPE TO FUTURE FILTERRA UNIT

INTERNAL WEIR WALL WITHIN PIT —
TOP OF WALL RL - 43.00

REFER DWGS C8441 & C8442 FOR -
BASIN LAYOUT AND INLET DETAILS

PROVIDE END CAP FOR
FUTURE CONNECTION
E - 294766.751
N- 6253252.596

HOLD

— PROVIDE END CAP FOR
FUTURE CONNECTION
E - 294734.523
N- 6253283.974

PROPOSED Ø600 FRC STORMWATER PIPE
TO FUTURE STORMWATER REUSE TANK

PENRITH CITY COUNCIL

This plan / document relates to

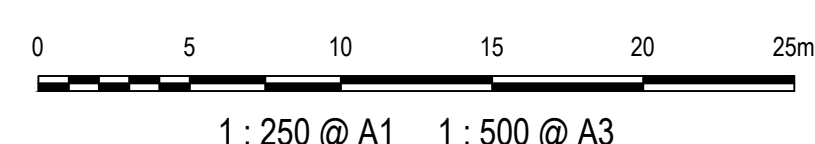
Development Consent: SSD-10448-MOD-1
 Subdivision Works Certificate: EA22/0045

COUNCIL DOES
NOT ATTEST TO
THE ACCURACY
OF DETAILS
IN PLANS

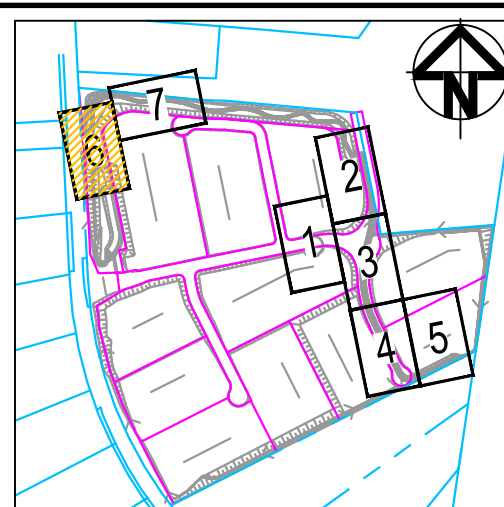
Subject to the conditions outlined in the consent

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

Bar Scales



Key Plan



	Client
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Scales	1:250
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Grid	GDA2020
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Height	ΔHD
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Drawn	ID/MLL
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Designed	

	Checked	5.5
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		DS
	Approved	DS

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
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	Title
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ROADWORKS
AND STORMWATER DRAINAGE
SHEET 6

Civil Engineers and Project Managers

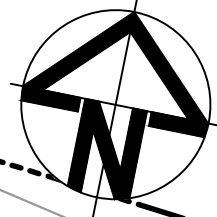


Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

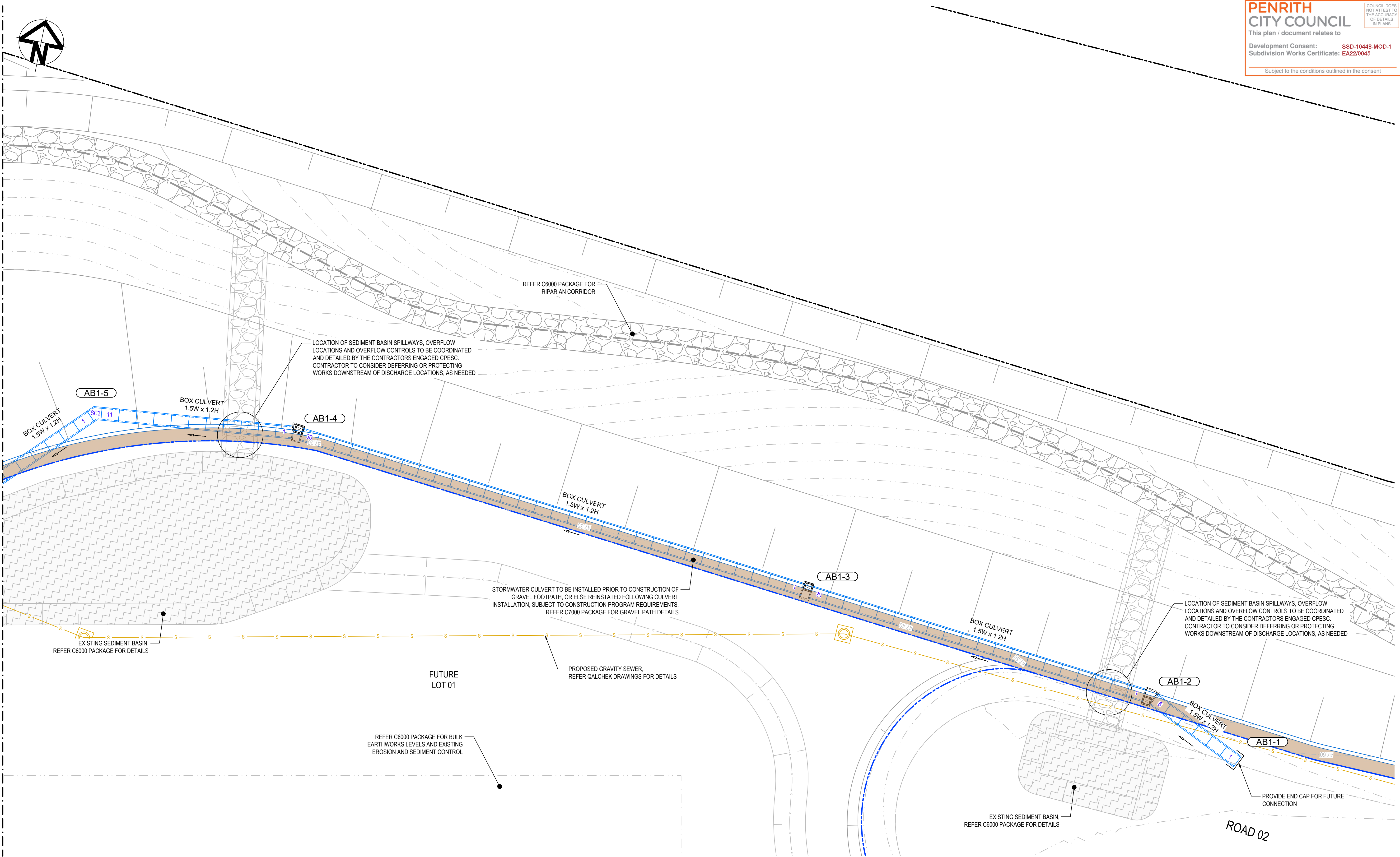
Status	FOR CONSTRUCTION
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Project - Drawing No.
18-596-C8106

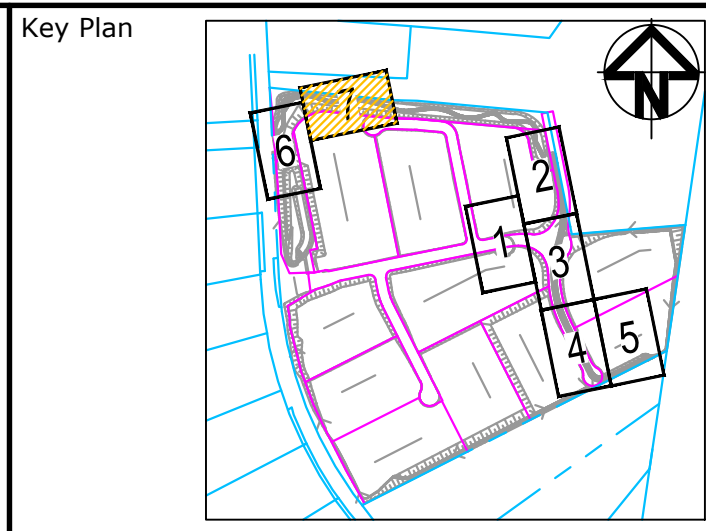
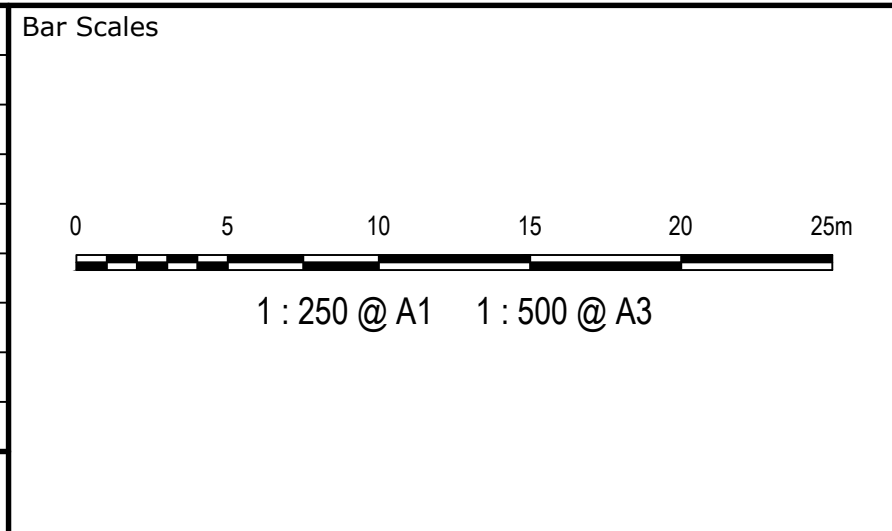
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ADJOINS DRG 18-596-C8106



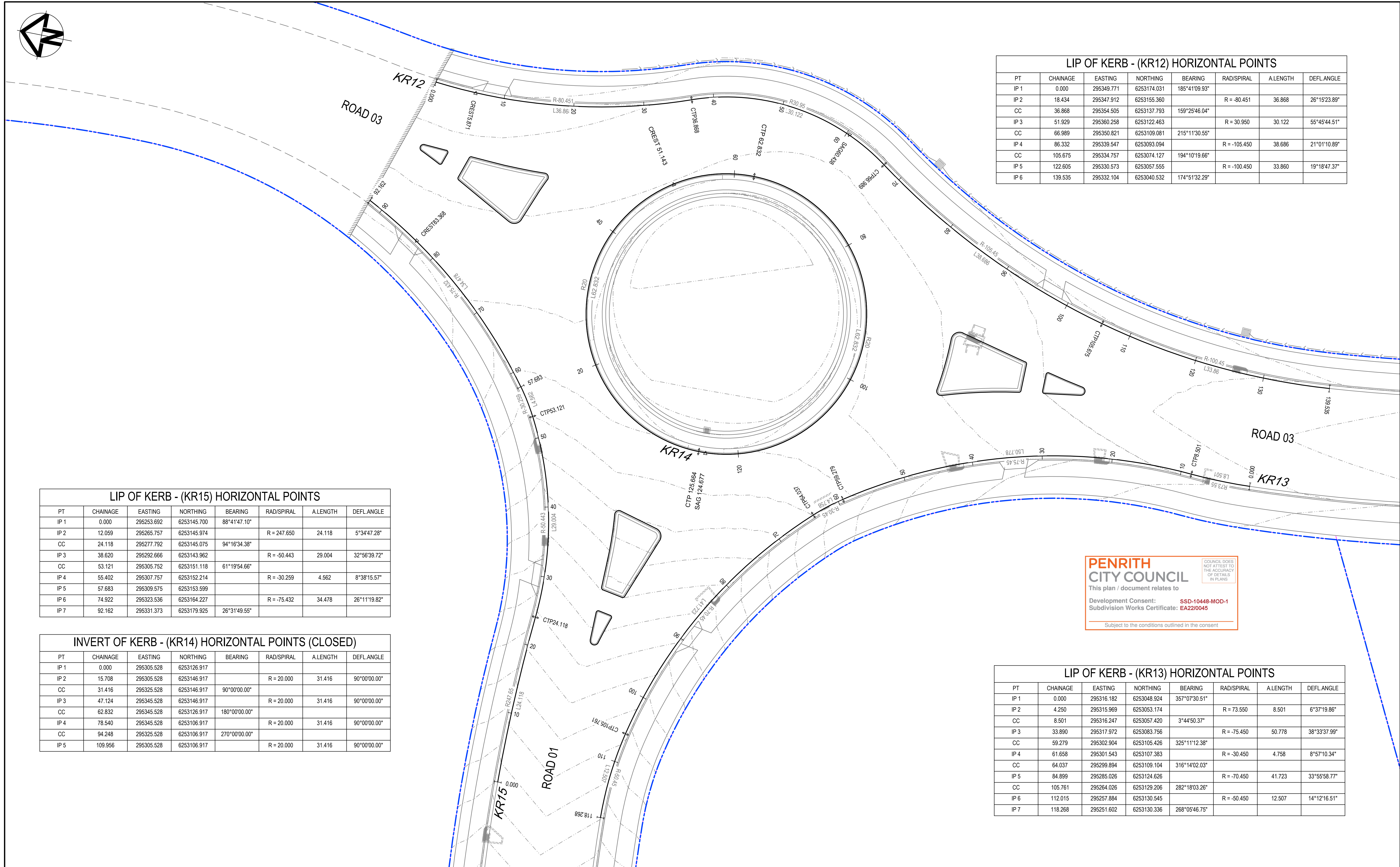
1	ISSUED FOR CONSTRUCTION	17-11-22
A	ISSUED FOR SWC APPROVAL	20-10-22
Issue	Description	Date



Scales	1:250	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS
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Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	ROADWORKS AND STORMWATER DRAINAGE SHEET 7

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	A1
Project - Drawing No.	18-596-C8107	Issue
		1

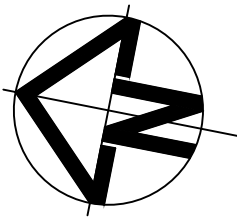


LIP OF KERB - (KR15) HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFLANGLE
IP 1	0.000	295253.692	6253145.700	88°41'47.10"			
IP 2	12.059	295265.757	6253145.974		R = 247.650	24.118	5°34'47.28"
CC	24.118	295277.792	6253145.075	94°16'34.38"			
IP 3	38.620	295292.666	6253143.962		R = -50.443	29.004	32°56'39.72"
CC	53.121	295305.752	6253151.118	61°19'54.66"			
IP 4	55.402	295307.757	6253152.214		R = -30.259	4.562	8°38'15.57"
IP 5	57.683	295309.575	6253153.599				
IP 6	74.922	295323.536	6253164.227		R = -75.432	34.478	26°11'19.82"
IP 7	92.162	295331.373	6253179.925	26°31'49.55"			

INVERT OF KERB - (KR14) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	ALENGTH	DEFLANGLE
IP 1	0.000	295305.528	6253126.917				
IP 2	15.708	295305.528	6253146.917		R = 20.000	31.416	90°00'00.00"
CC	31.416	295325.528	6253146.917	90°00'00.00"			
IP 3	47.124	295345.528	6253146.917		R = 20.000	31.416	90°00'00.00"
CC	62.832	295345.528	6253126.917	180°00'00.00"			
IP 4	78.540	295345.528	6253106.917		R = 20.000	31.416	90°00'00.00"
CC	94.248	295325.528	6253106.917	270°00'00.00"			
IP 5	109.956	295305.528	6253106.917		R = 20.000	31.416	90°00'00.00"

LIP OF KERB - (KR13) HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295316.182	6253048.924	357°07'30.51"			
IP 2	4.250	295315.969	6253053.174		R = 73.550	8.501	6°37'19.86"
CC	8.501	295316.247	6253057.420	3°44'50.37"			
IP 3	33.890	295317.972	6253083.756		R = -75.450	50.778	38°33'37.99"
CC	59.279	295302.904	6253105.426	325°11'12.38"			
IP 4	61.658	295301.543	6253107.383		R = -30.450	4.758	8°57'10.34"
CC	64.037	295299.894	6253109.104	316°14'02.03"			
IP 5	84.899	295285.026	6253124.626		R = -70.450	41.723	33°55'58.77"
CC	105.761	295264.026	6253129.206	282°18'03.26"			
IP 6	112.015	295257.884	6253130.545		R = -50.450	12.507	14°12'16.51"
IP 7	118.268	295251.602	6253130.336	268°05'46.75"			

			Bar Scales <	
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INVERT OF KERB - (MM06) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295336.989	6253156.687				
IP 2	1.231	295338.139	6253156.244		R = 31.900	2.461	4°25'15.50"
CC	2.461	295339.250	6253155.715	115°28'40.29"			
IP 3	3.078	295340.149	6253155.286		R = -0.600	1.234	117°50'57.76"
CC	3.696	295340.108	6253156.281	357°37'42.53"			
IP 4	7.580	295339.947	6253160.166		R = 80.000	7.770	5°33'52.69"
CT	11.465	295340.163	6253164.048	3°11'35.22"			
TC	14.378	295340.326	6253166.955	3°11'35.22"			
IP 5	14.574	295340.338	6253167.186		R = -0.300	0.393	75°03'11.18"
CT	14.771	295340.120	6253167.257	288°08'24.04"			
TC	17.962	295337.086	6253168.251	288°08'24.04"			
IP 6	18.172	295336.847	6253168.329		R = -0.300	0.419	79°56'37.72"
CT	18.381	295336.729	6253168.108	208°11'46.32"			
TC	27.668	295332.340	6253159.922	208°11'46.32"			
IP 7	28.685	295331.698	6253158.724		R = -1.200	2.034	97°08'21.54"
CT	29.703	295332.967	6253158.236	111°03'24.79"			

INVERT OF KERB - (MM05) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295340.140	6253170.407	108°08'24.04"			
IP 2	0.275	295340.511	6253170.286		R = -0.300	0.550	104°56'48.82"
CT	0.550	295340.533	6253170.676	3°11'35.22"			
TC	3.769	295340.713	6253173.890	3°11'35.22"			
IP 3	4.116	295340.736	6253174.305		R = -0.500	0.693	79°26'42.19"
CC	4.462	295340.332	6253174.404	283°44'53.03"			
IP 4	4.809	295339.929	6253174.502		R = -0.500	0.693	79°26'42.19"
CC	5.156	295339.758	6253174.124	204°18'10.83"			
IP 5	6.702	295339.121	6253172.714		R = 75.000	3.094	2°21'48.39"
CC	8.249	295338.427	6253171.331	206°39'59.22"			
IP 6	8.507	295338.270	6253171.020		R = -0.300	0.516	98°31'35.18"
CT	8.765	295338.601	6253170.912	108°08'24.04"			
IP 7	10.385	295340.140	6253170.407	108°08'24.04"			

INVERT OF KERB - (MM01) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295280.163	6253136.714				
IP 2	4.008	295276.156	6253136.770				
IP 3	4.441	295275.628	6253136.778		R = -0.600	0.866	82°42'01.24"
CC	4.874	295275.553	6253136.255	188°05'49.27"			
IP 4	5.307	295275.479	6253135.732		R = -0.600	0.866	82°42'01.24"
IP 5	5.740	295275.988	6253135.592				
IP 6	7.710	295277.888	6253135.069		R = 70.000	3.940	3°13'29.08"
CC	9.680	295279.755	6253134.439	108°37'17.12"			
IP 7	9.937	295280.084	6253134.329		R = -0.300	0.515	98°17'03.32"
CT	10.194	295280.146	6253134.670	10°20'13.80"			
TC	11.913	295280.454	6253136.361	10°20'13.80"			
IP 8	12.174	295280.518	6253136.709		R = -0.300	0.521	99°32'23.32"
CT	12.434	295280.163	6253136.714	270°47'50.47"			

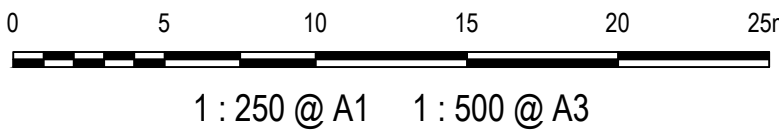
INVERT OF KERB - (MM02) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295288.250	6253136.602	270°47'50.47"			
TC	4.437	295283.813	6253136.664	270°47'50.47"			
IP 2	4.648	295283.560	6253136.667		R = -0.300	0.421	80°27'36.68"
CT	4.858	295283.514	6253136.417	190°20'13.80"			
TC	7.793	295282.988	6253133.531	190°20'13.80"			
IP 3	8.001	295282.943	6253133.285		R = -0.300	0.417	79°39'55.80"
CT	8.210	295283.177	6253133.196	110°40'17.99"			
TC	17.624	295291.985	6253129.873	110°40'17.99"			
IP 4	18.625	295293.224	6253129.406		R = -1.200	2.003	95°38'19.93"
CT	19.627	295293.567	6253130.685	15°01'58.07"			
TC	25.278	295295.033	6253136.142	15°01'58.07"			
IP 5	25.860	295295.261	6253136.990		R = -0.600	1.165	111°16'52.91"
CC	26.443	295294.388	6253136.894	263°45'05.16"			
IP 6	29.518	295291.328	6253136.559		R = 50.000	6.149	7°02'46.03"
IP 7	32.592	295288.250	6253136.602	270°47'51.19"			

INVERT OF KERB - (MM03) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295326.384	6253080.166				
IP 2	0.269	295326.469	6253080.531		R = -0.300	0.538	102°41'13.26"
CT	0.538	295326.094	6253080.534	270°29'36.92"			
TC	2.954	295323.678	6253080.555	270°29'36.92"			
IP 3	3.214	295323.326	6253080.558		R = -0.300	0.519	99°04'36.76"
CT	3.473	295323.378	6253080.210	171°25'00.16"			
TC	8.616	295324.146	6253075.125	171°25'00.16"			
IP 4	9.037	295324.222	6253074.623		R = -0.600	0.843	80°31'41.36"
CC	9.459	295324.730	6253074.615	90°53'18.81"			
IP 5	9.881	295325.238	6253074.607		R = -0.600	0.843	80°31'41.36"
CC	10.302	295325.329	6253075.107	10°21'37.45"			
IP 6	12.887	295325.794	6253077.649		R = 105.000	5.168	2°49'12.73"

INVERT OF KERB - (MM04) HORIZONTAL POINTS (CLOSED)							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	295327.249	6253083.785				
TC	9.791	295329.530	6253093.307	13°28'20.18"			
IP 2	10.876	295329.885	6253094.788		R = -1.200	2.168	103°31'31.90"
CC	11.960	295328.362	6253094.787	269°56'48.28"			
IP 3	15.723	295324.592	6253094.783		R = 48.841	7.526	8°49'43.27"
CC	19.486	295320.866	6253095.358	278°46'31.55"			
IP 4	20.098	295319.897	6253095.508		R = -0.600	1.226	117°01'37.99"
CC	20.711	295320.204	6253094.578	161°44'53.56"			
IP 5	26.243	295321.941	6253089.313		R = 70.000	11.064	9°03'22.92"
CC	31.776	295322.826	6253083.840	170°48'16.47"			
IP 6	31.986	295322.867	6253083.590		R = -0.300	0.421	80°18'38.03"
CT	32.196	295323.120	6253083.588	90°29'38.44"			
TC	36.031	295326.955	6253083.555	90°29'38.44"			
IP 7	36.233	295327.194	6253083.553		R = -0.300	0.403	77°01'18.27"
CT	36.434	295327.249	6253083.785	13°28'20.18"			

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

Bar Scales



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Client

Scales

1:250

Grid

GDA2020

Height Datum

AHD

Drawn

Designed

Checked

DS

Approved

DS

Project

ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

Title

INTERSECTION PLAN
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

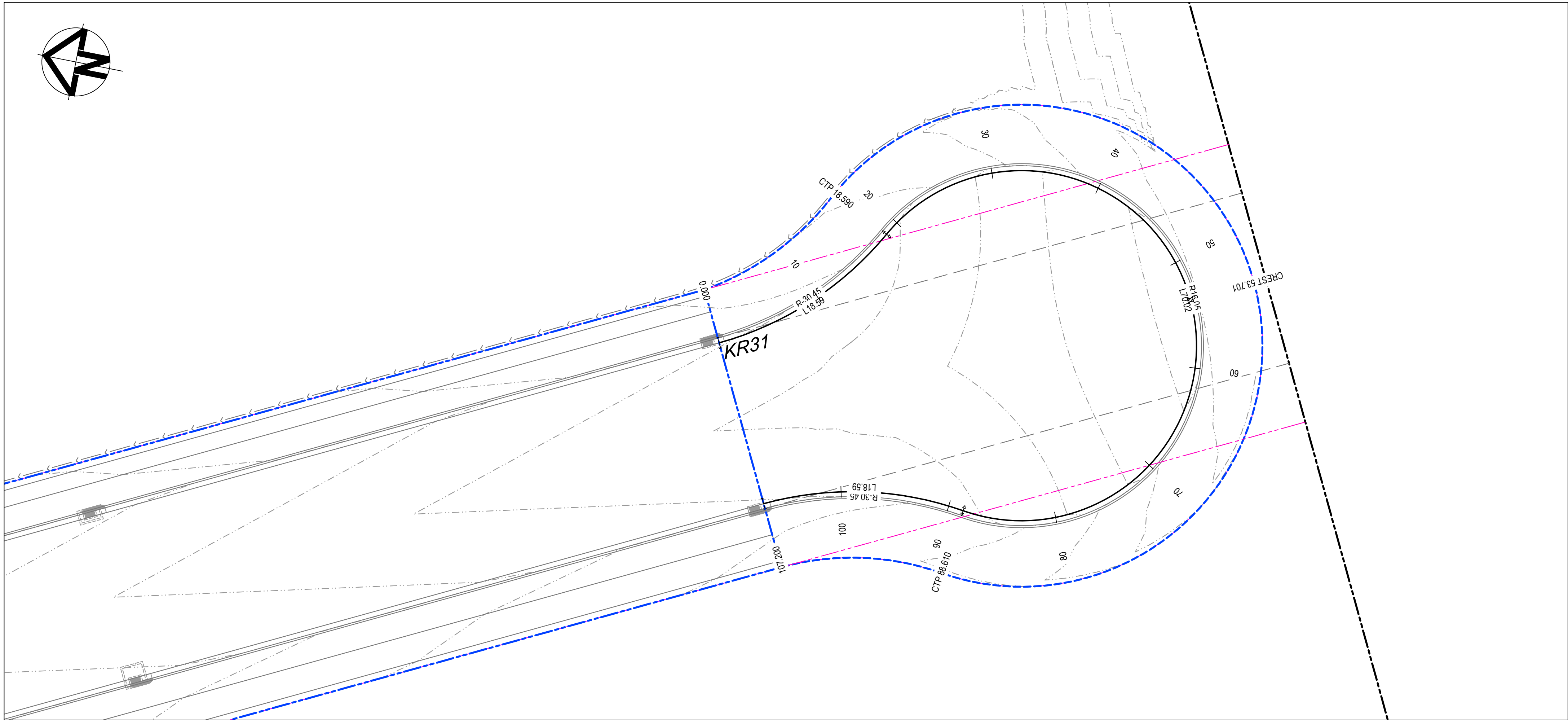
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Project - Drawing No.

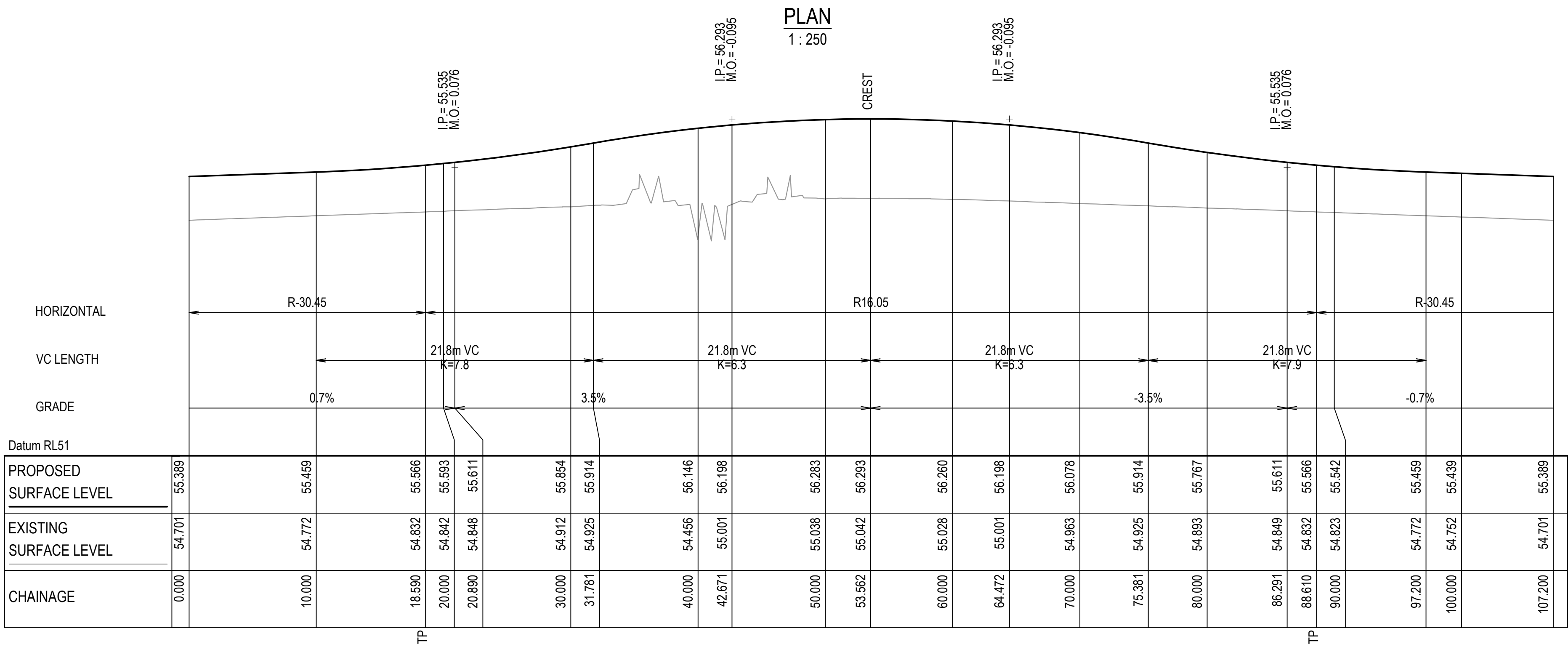
18-596-C8122

Issue

1



LIP OF KERB - (KR31) HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295403.228	6252863.610	153°08'05.72"			
IP 2	9.295	295407.564	6252855.051		R = -30.450	18.590	34°58'47.05"
CC	18.590	295416.023	6252850.523	118°09'18.67"			
IP 3	30.260	295428.614	6252843.785		R = 16.050	23.340	83°19'11.37"
CC	41.930	295423.386	6252830.497	201°28'30.04"			
IP 4	53.600	295418.158	6252817.208		R = 16.050	23.340	83°19'11.37"
CC	65.270	295404.352	6252820.855	284°47'41.41"			
IP 5	76.940	295390.545	6252824.501		R = 16.050	23.340	83°19'11.37"
CC	88.610	295392.561	6252838.638	8°06'52.78"			
IP 6	97.905	295393.915	6252848.137		R = -30.450	18.590	34°58'47.05"
IP 7	107.200	295389.579	6252856.696	333°08'05.72"			



KR31 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

PENRITH CITY COUNCIL

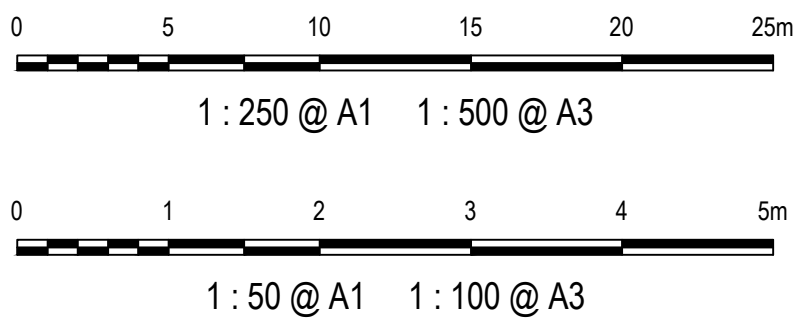
This plan / document relates to

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

Subject to the conditions outlined in the consent

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

Bar Scales



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Scales

1:250 (H)
1:50 (V)

Grid GDA2020

Height Datum AHD

Drawn JB/MH

Designed JB/MH

Checked DS

Approved DS

GDA2020

Project

ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

Title

INTERSECTION PLAN
SHEET 3

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
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info@atl.net.au

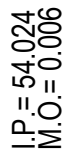
Status

FOR CONSTRUCTION

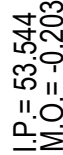
Project - Drawing No.
18-596-C8123

Issue

1

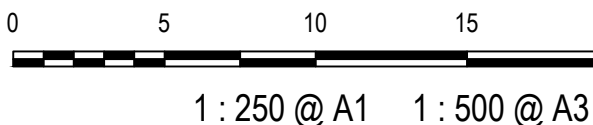


SCALE 1:250 HORI.
1:50 VERT.



SCALE 1:250 HORI.
1:50 VERT.

100mm on Original



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MAMRE ROAD,
KEMPS CREEK
STAGE 1B

INTERSECTION PLAN
SHEET 4

at&I

Status FOR CONSTRUCTION

HORIZONTAL									
VC LENGTH									
GRADE									
Datum RL48									
PROPOSED SURFACE LEVEL	52 280	52 136	52 128	52 289	52 328	52 280			
EXISTING SURFACE LEVEL	51 492	51 417	51 415	51 539	51 525	51 492			
CHAINAGE	0.000	4.011	5.556	10.000	11.092	12.434			
	TP	TP	TP	TP	TP				

Datum RL47											
PROPOSED SURFACE LEVEL	52.570	52.386	52.400	52.473	52.779	52.787	52.813	52.655	52.569		
EXISTING SURFACE LEVEL	51.851	51.650	51.704	51.813	52.259	52.264	52.169	51.969	51.851		
CHAINAGE	0.000	5.127	8.000	10.000	18.389	20.000	25.262	30.000	32.592		
	TP	BP	PP		TP	TP	TP	TP			

HORIZONTAL						
VC LENGTH						
GRADE						
Datum RL50						
PROPOSED SURFACE LEVEL	53.811	53.804	53.792	53.880	53.876	53.811
EXISTING SURFACE LEVEL	53.441	53.327	53.063	53.117	53.200	53.441
CHAINAGE	0.000	0.558	2.946	9.671	10.000	15.471
	TP	BP		TP	TP	

SW

HORIZONTAL

VC LENGTH

GRADE

Datum RL47

	0.000	10.000	10.869	19.560	20.000	30.000	31.071	36.265	36.434
PROPOSED SURFACE LEVEL	53.766	53.640	53.630	53.586	53.592	53.728	53.742	53.768	53.766
EXISTING SURFACE LEVEL	53.602	53.937	53.814	54.009	54.017	53.446	53.355	53.580	53.602
CHAINAGE	0.000	10.000	10.869	19.560	20.000	30.000	31.071	36.265	36.434

Diagram illustrating a vertical curve with a sag shape. The curve is defined by a parabolic profile. Key points and data are as follows:

- Horizontal Curve Segments:** R-0.3, R-0.5, R-0.5, R-0.3.
- Grades:** 1.6%, -0.7%, 2.1%.
- Vertical Curve Length (VC LENGTH):** Indicated by a dimension line.
- Datum:** RL49.

	0+00	0+42	0+84	1+26	1+68	2+10
PROPOSED SURFACE LEVEL	53.738	53.753	53.697	53.730	53.738	53.738
EXISTING SURFACE LEVEL	51.990	51.846	52.408	52.111	51.993	51.990
CHAINAGE	0.000	0.942	8.480	10.000	10.376	10.385

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

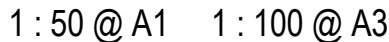
		Civil Engineers and Project Managers Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status FOR CONSTRUCTION	A1	
Project - Drawing No. 18-596-C8125		Issue 1



Tip



SCALE 1:250 HORIZ.
1:50 VERT.

100mm on Original

PERMISSION OF AT&T



Designed	JB/MH
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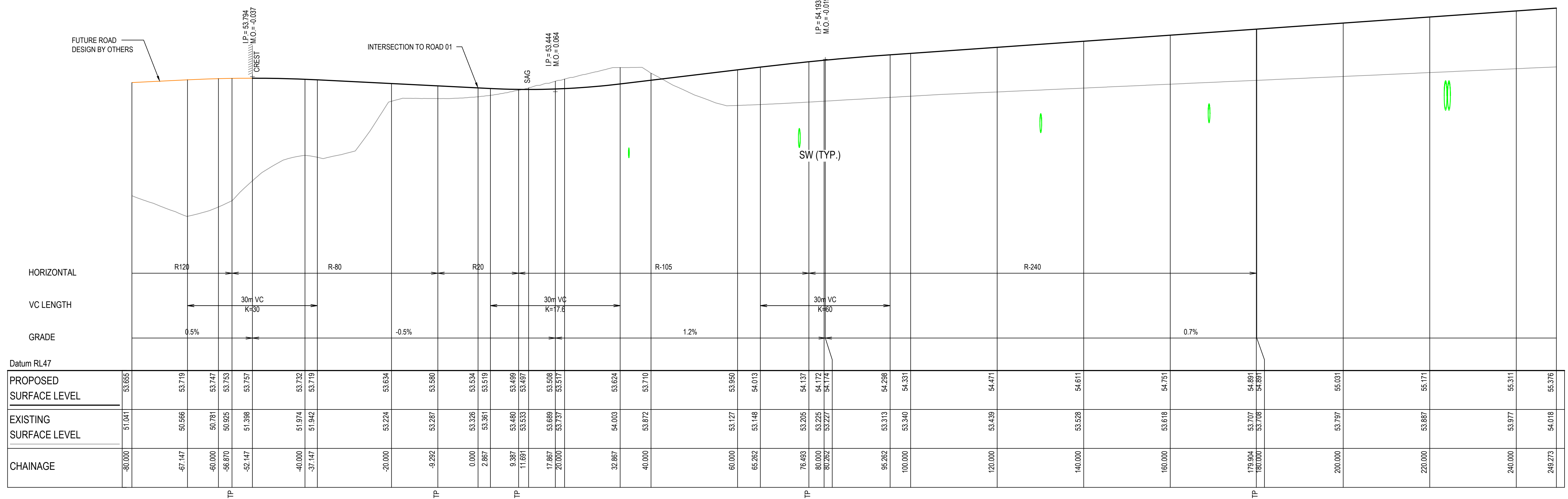
ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

INTERSECTION PLAN
SHEET 6

at&I

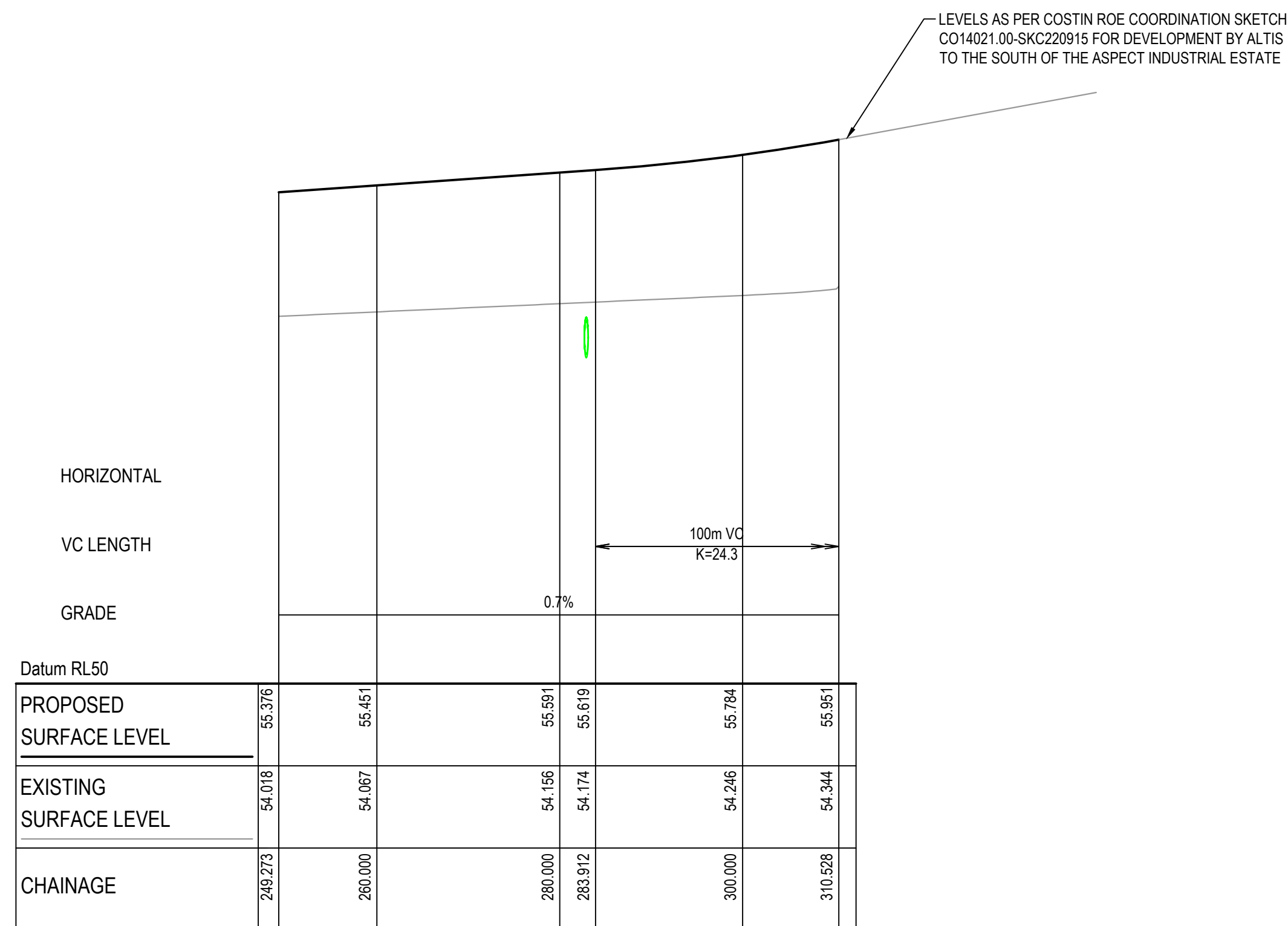
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status
FOR CONSTRUCTION



ROAD 03 LONGITUDINAL SECTION

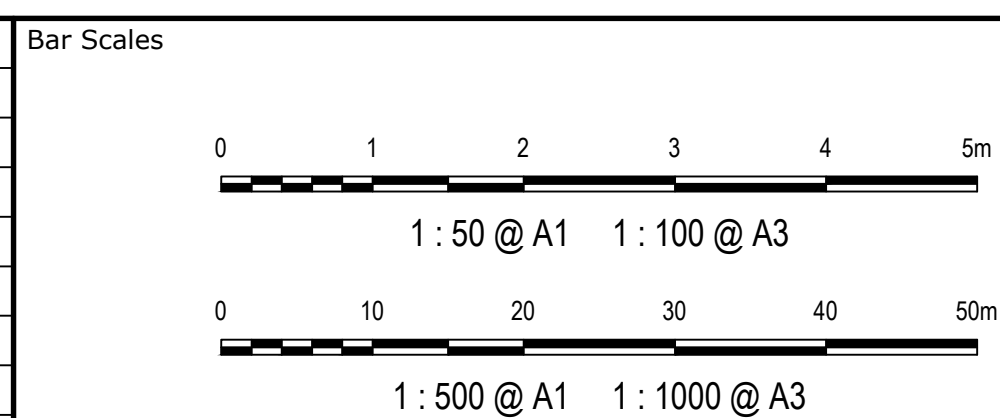
SCALE 1:500 HORI.
1:50 VERT.



ROAD 03 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:50 VERT.

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



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Scales	1:500 (H) 1:50 (V)	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	AT
Height Datum	AHD	Approved	DS

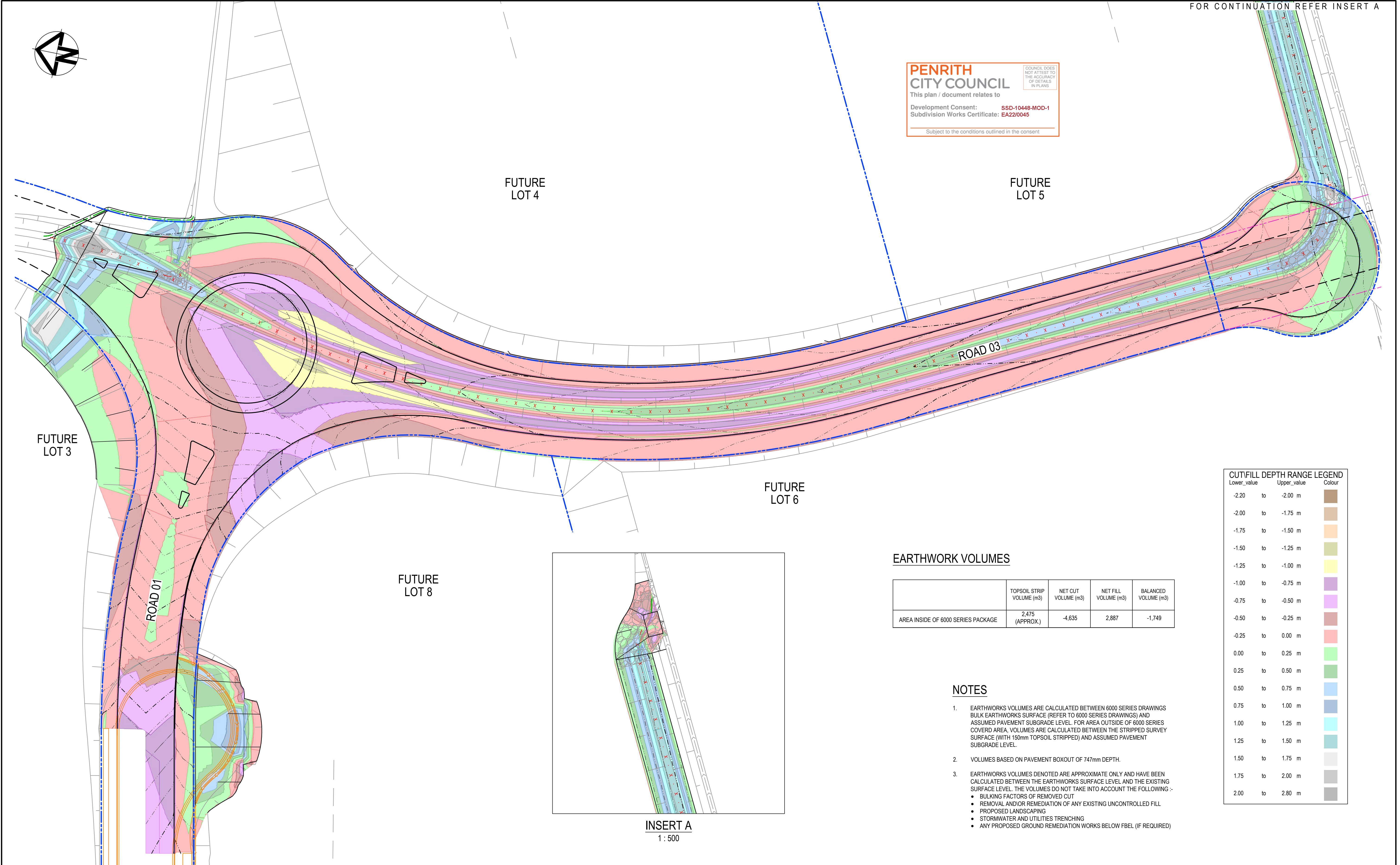


The logo for GDA2020 features a stylized blue globe with a white arc and a small blue circle, followed by the text 'GDA2020' in a large, bold, blue sans-serif font.

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Client	ASPECT INVESTMENTS PTY LTD
Location	100 MAMRE ROAD, KEMPS CREEK, NSW 2148
Site Area	10,000 SQM
Project Status	UNDER CONSTRUCTION
Project Manager	JOHN SMITH
Project Engineer	JANE DOE
Project Architect	ABC ARCHITECTS
Project Contractor	XYZ CONSTRUCTION
Project Consultant	DEF CONSULTANTS
Project Designer	GHI DESIGNERS
Project Surveyor	JKL SURVEYORS
Project Planner	MNO PLANNERS
Project Engineer	PQR ENGINEERS
Project Architect	STU ARCHITECTS
Project Contractor	VWX CONSTRUCTION
Project Consultant	YZA CONSULTANTS
Project Designer	BCD DESIGNERS
Project Surveyor	EFG SURVEYORS
Project Planner	HIJ PLANNERS
Project Engineer	KLM ENGINEERS
Project Architect	NOP ARCHITECTS
Project Contractor	QRS CONSTRUCTION
Project Consultant	TUV CONSULTANTS
Project Designer	WXY DESIGNERS
Project Surveyor	ZAB SURVEYORS
Project Planner	CCD PLANNERS
Project Engineer	EEF ENGINEERS
Project Architect	GGG ARCHITECTS
Project Contractor	HHH CONSTRUCTION
Project Consultant	III CONSULTANTS
Project Designer	JJJ DESIGNERS
Project Surveyor	KKK SURVEYORS
Project Planner	LLL PLANNERS
Project Engineer	MMM ENGINEERS
Project Architect	NNN ARCHITECTS
Project Contractor	OOO CONSTRUCTION
Project Consultant	PPP CONSULTANTS
Project Designer	QQQ DESIGNERS
Project Surveyor	RRR SURVEYORS
Project Planner	SSS PLANNERS
Project Engineer	TTT ENGINEERS
Project Architect	UUU ARCHITECTS
Project Contractor	VVV CONSTRUCTION
Project Consultant	WWW CONSULTANTS
Project Designer	XXX DESIGNERS
Project Surveyor	YYY SURVEYORS
Project Planner	ZZZ PLANNERS
Project Engineer	AAA ENGINEERS
Project Architect	BBB ARCHITECTS
Project Contractor	CCC CONSTRUCTION
Project Consultant	DDD CONSULTANTS
Project Designer	EEE DESIGNERS
Project Surveyor	FFF SURVEYORS
Project Planner	GGG PLANNERS
Project Engineer	HHH ENGINEERS
Project Architect	III ARCHITECTS
Project Contractor	JJJ CONSTRUCTION
Project Consultant	KKK CONSULTANTS
Project Designer	LLL DESIGNERS
Project Surveyor	MMM SURVEYORS
Project Planner	NNN PLANNERS
Project Engineer	OOO ENGINEERS
Project Architect	PPP ARCHITECTS
Project Contractor	QQQ CONSTRUCTION
Project Consultant	RRR CONSULTANTS
Project Designer	SSS DESIGNERS
Project Surveyor	TTT SURVEYORS
Project Planner	UUU PLANNERS
Project Engineer	VVV ENGINEERS
Project Architect	WWW ARCHITECTS
Project Contractor	XXX CONSTRUCTION
Project Consultant	YYY CONSULTANTS
Project Designer	ZZZ DESIGNERS
Project Surveyor	AAA SURVEYORS
Project Planner	BBB PLANNERS
Project Engineer	CCC ENGINEERS
Project Architect	DDD ARCHITECTS
Project Contractor	EEE CONSTRUCTION
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Project Contractor	LLL CONSTRUCTION
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Project Designer	NNN DESIGNERS
Project Surveyor	OOO SURVEYORS
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Project Engineer	QQQ ENGINEERS
Project Architect	RRR ARCHITECTS
Project Contractor	SSS CONSTRUCTION
Project Consultant	TTT CONSULTANTS
Project Designer	UUU DESIGNERS
Project Surveyor	VVV SURVEYORS
Project Planner	WWW PLANNERS
Project Engineer	XXX ENGINEERS
Project Architect	YYY ARCHITECTS
Project Contractor	ZZZ CONSTRUCTION
Project Consultant	AAA CONSULTANTS
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Project Planner	DDD PLANNERS
Project Engineer	EEE ENGINEERS
Project Architect	FFF ARCHITECTS
Project Contractor	GGG CONSTRUCTION
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Project Contractor	NNN CONSTRUCTION
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Project Contractor	UUU CONSTRUCTION
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Project Surveyor	XXX SURVEYORS
Project Planner	YYY PLANNERS
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Project Architect	AAA ARCHITECTS
Project Contractor	BBB CONSTRUCTION
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Project Planner	FFF PLANNERS
Project Engineer	GGG ENGINEERS
Project Architect	HHH ARCHITECTS
Project Contractor	III CONSTRUCTION
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Project Contractor	WWW CONSTRUCTION
Project Consultant	XXX CONSULTANTS
Project Designer	YYY DESIGNERS
Project Surveyor	ZZZ SURVEYORS
Project Planner	AAA PLANNERS
Project Engineer	BBB ENGINEERS
Project Architect	CCC ARCHITECTS
Project Contractor	DDD CONSTRUCTION
Project Consultant	EEE CONSULTANTS
Project Designer	FFF DESIGNERS
Project Surveyor	GGG SURVEYORS
Project Planner	HHH PLANNERS

Title	ROAD LONGITUDINAL SECTION SHEET 2
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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-C8132	Issue 1	



PENRITH
CITY COUNCIL

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

This plan / document relates to

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

Subject to the conditions outlined in the consent

EARTHWORK VOLUMES

	TOPSOIL STRIP VOLUME (m3)	NET CUT VOLUME (m3)	NET FILL VOLUME (m3)	BALANCED VOLUME (m3)
AREA INSIDE OF 6000 SERIES PACKAGE	2,475 (APPROX.)	-4,635	2,887	-1,749

NOTES

- EARTHWORKS VOLUMES ARE CALCULATED BETWEEN 6000 SERIES DRAWINGS BULK EARTHWORKS SURFACE (REFER TO 6000 SERIES DRAWINGS) AND ASSUMED PAVEMENT SUBGRADE LEVEL. FOR AREA OUTSIDE OF 6000 SERIES COVERED AREA, VOLUMES ARE CALCULATED BETWEEN THE STRIPPED SURVEY SURFACE (WITH 150mm TOPSOIL STRIPPED) AND ASSUMED PAVEMENT SUBGRADE LEVEL.
- VOLUMES BASED ON PAVEMENT BOXOUT OF 747mm DEPTH.
- EARTHWORKS VOLUMES DENOTED ARE APPROXIMATE ONLY AND HAVE BEEN CALCULATED BETWEEN THE EARTHWORKS SURFACE LEVEL AND THE EXISTING SURFACE LEVEL. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
 - BULKING FACTORS OF REMOVED CUT
 - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
 - PROPOSED LANDSCAPING
 - STORMWATER AND UTILITIES TRENCHING
 - ANY PROPOSED GROUND REMEDIATION WORKS BELOW FBEL (IF REQUIRED)

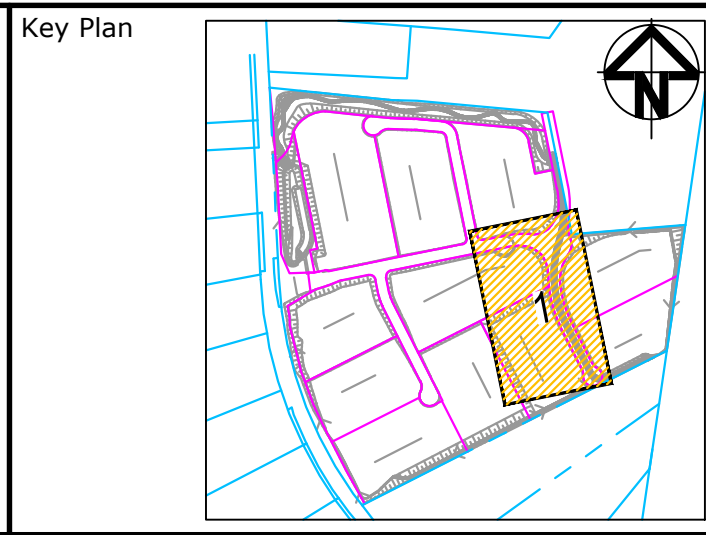
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-2.00	to -1.75 m	
-1.75	to -1.50 m	
-1.50	to -1.25 m	
-1.25	to -1.00 m	
-1.00	to -0.75 m	
-0.75	to -0.50 m	
-0.50	to -0.25 m	
-0.25	to 0.00 m	
0.00	to 0.25 m	
0.25	to 0.50 m	
0.50	to 0.75 m	
0.75	to 1.00 m	
1.00	to 1.25 m	
1.25	to 1.50 m	
1.50	to 1.75 m	
1.75	to 2.00 m	
2.00	to 2.80 m	

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

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3



Client

Scales

1:500

GridGDA2020

Height DatumAHD

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Drawn

JB/MH

Designed

JB/MH

Checked

DS

Approved

DS

Project

ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

Title

BULK EARTHWORKS
CUT/FILL PLAN

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

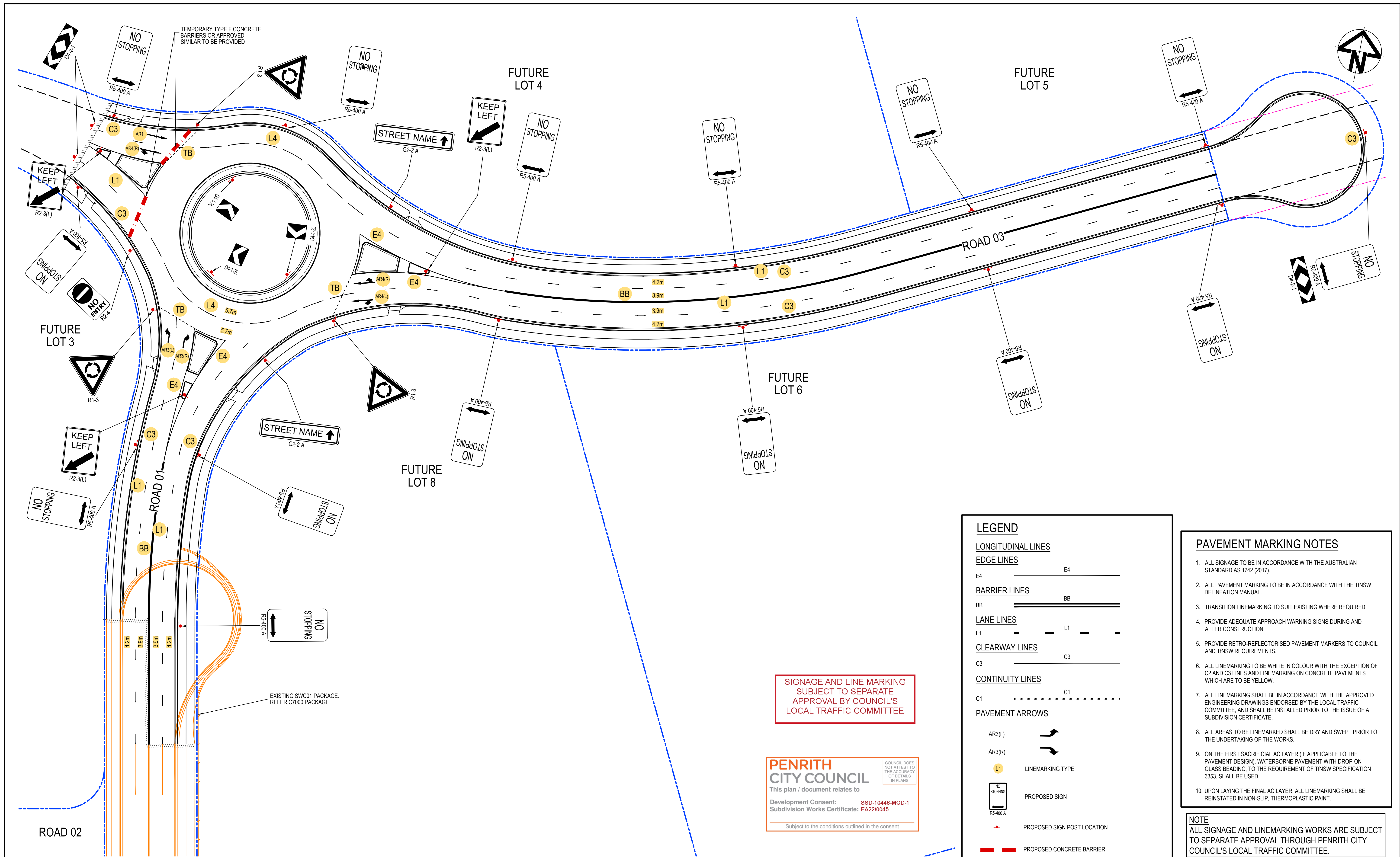
A1

Project - Drawing No.

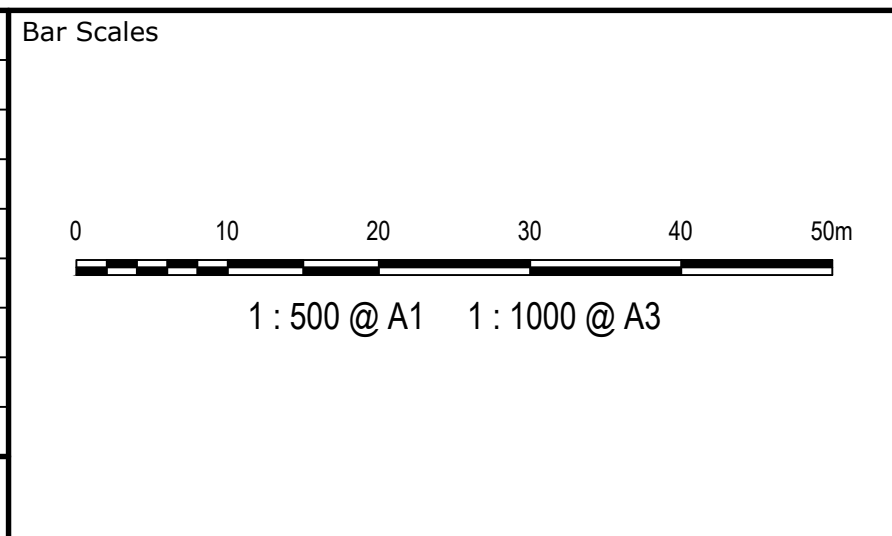
18-596-C8201

Issue

1



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



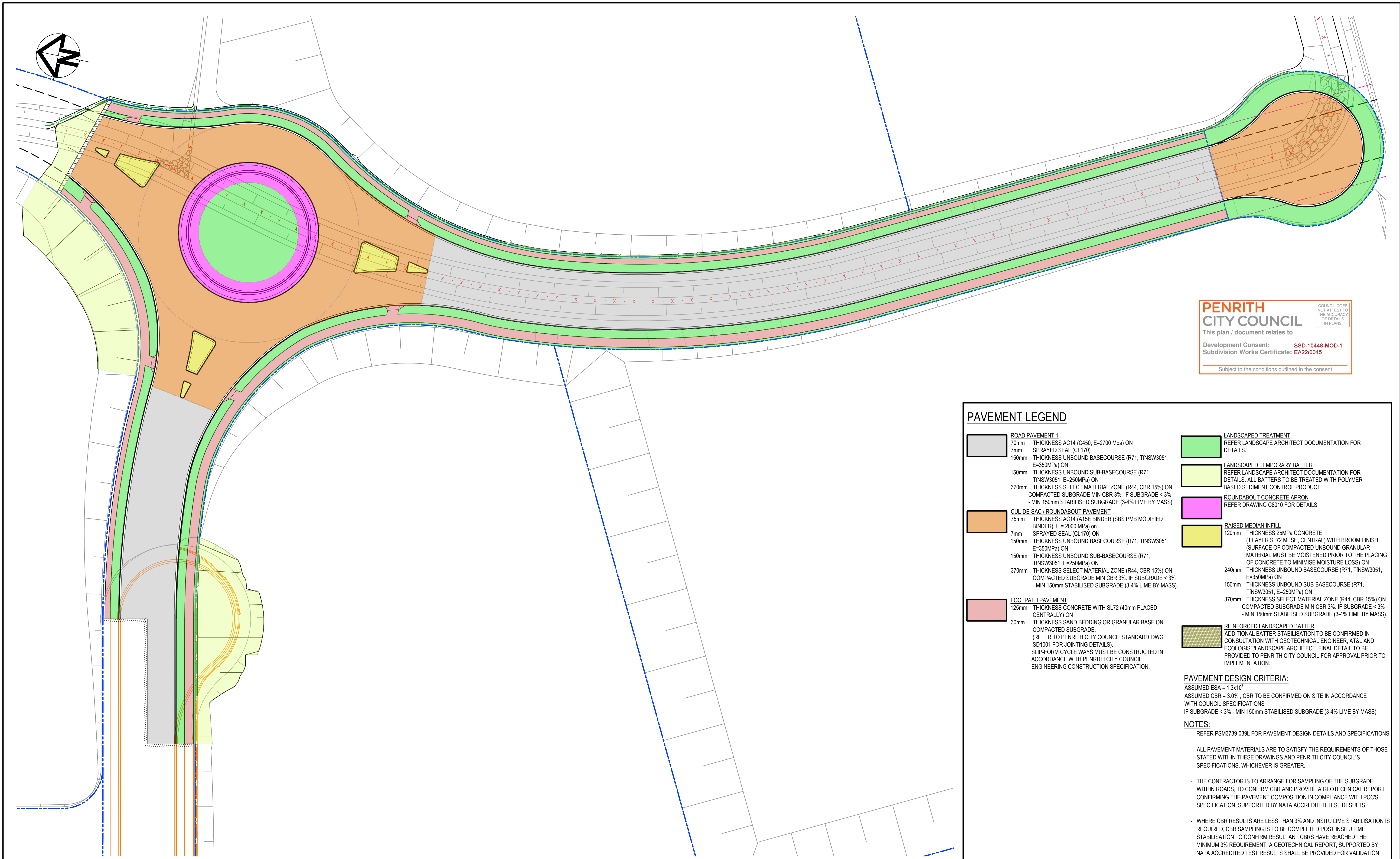
Key Plan



Scales	1:500
Grid	GDA2020
Height Datum	AHD
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Drawn	JB/MH
Designed	JB/MH
Checked	DS
Approved	DS
Project ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B	
Title PAVEMENT MARKING AND SIGNPOSTING	

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	A1
Project - Drawing No. 18-596-C8301	Issue 1



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

PAVEMENT LEGEND

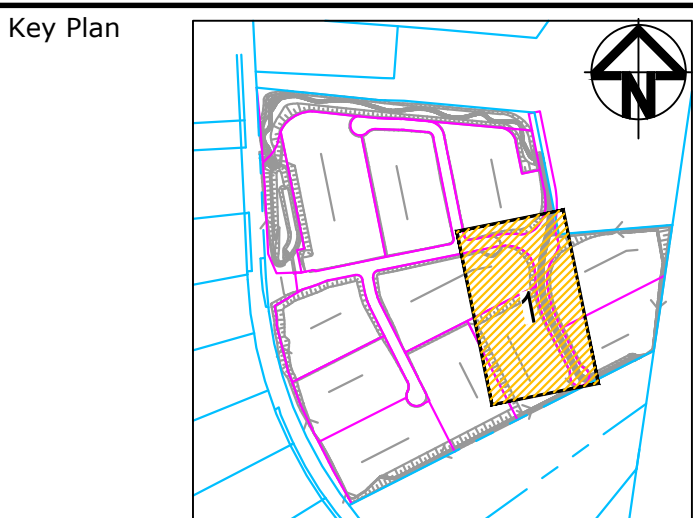
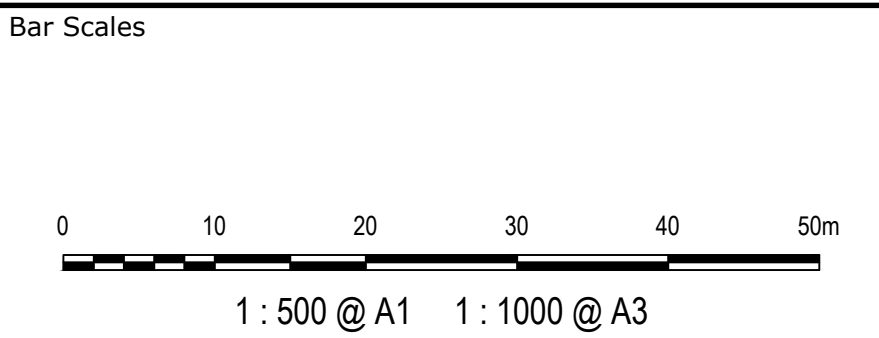
- ROAD PAVEMENT 1**
70mm THICKNESS AC14 (C450, E=2700 Mpa) ON
7mm SPRAYED SEAL (CL170)
150mm THICKNESS UNBOUND BASECOURSE (R71, TINSW3051, E=350MPa) ON
150mm THICKNESS UNBOUND SUB-BASECOURSE (R71, TINSW3051, E=250MPa) ON
370mm THICKNESS SELECT MATERIAL ZONE (R44, CBR 15%) ON COMPACTED SUBGRADE MIN CBR 3%. IF SUBGRADE < 3% - MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS).
- CUL-DE-SAC / ROUNDABOUT PAVEMENT**
75mm THICKNESS AC14 (A15E BINDER (SBS PMB MODIFIED BINDER), E = 2000 MPa) on
7mm SPRAYED SEAL (CL170) ON
150mm THICKNESS UNBOUND BASECOURSE (R71, TINSW3051, E=350MPa) ON
150mm THICKNESS UNBOUND SUB-BASECOURSE (R71, TINSW3051, E=250MPa) ON
370mm THICKNESS SELECT MATERIAL ZONE (R44, CBR 15%) ON COMPACTED SUBGRADE MIN CBR 3%. IF SUBGRADE < 3% - MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS).
- FOOTPATH PAVEMENT**
125mm THICKNESS CONCRETE WITH SL72 (40mm PLACED CENTRALLY) ON
30mm THICKNESS SAND BEDDING OR GRANULAR BASE ON COMPACTED SUBGRADE.
(REFER TO PENRITH CITY COUNCIL STANDARD DWG SD1001 FOR JOINTING DETAILS).
SLIP-FORM CYCLE WAYS MUST BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL ENGINEERING CONSTRUCTION SPECIFICATION.
- LANDSCAPED TREATMENT**
REFER LANDSCAPE ARCHITECT DOCUMENTATION FOR DETAILS.
- LANDSCAPED TEMPORARY BATTER**
REFER LANDSCAPE ARCHITECT DOCUMENTATION FOR DETAILS. ALL BATTERS TO BE TREATED WITH POLYMER BASED SEDIMENT CONTROL PRODUCT
- ROUNDABOUT CONCRETE APRON**
REFER DRAWING C8010 FOR DETAILS
- RAISED MEDIAN INFILL**
120mm THICKNESS 25MPa CONCRETE
(1 LAYER SL72 MESH, CENTRAL) WITH BROOM FINISH (SURFACE OF COMPACTED UNBOUND GRANULAR MATERIAL MUST BE MOISTENED PRIOR TO THE PLACING OF CONCRETE TO MINIMISE MOISTURE LOSS) ON
240mm THICKNESS UNBOUND BASECOURSE (R71, TINSW3051, E=350MPa) ON
150mm THICKNESS UNBOUND SUB-BASECOURSE (R71, TINSW3051, E=250MPa) ON
370mm THICKNESS SELECT MATERIAL ZONE (R44, CBR 15%) ON COMPACTED SUBGRADE MIN CBR 3%. IF SUBGRADE < 3% - MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS).
- REINFORCED LANDSCAPED BATTER**
ADDITIONAL BATTER STABILISATION TO BE CONFIRMED IN CONSULTATION WITH GEOTECHNICAL ENGINEER, AT&L AND ECOLOGIST/LANDSCAPE ARCHITECT. FINAL DETAIL TO BE PROVIDED TO PENRITH CITY COUNCIL FOR APPROVAL PRIOR TO IMPLEMENTATION.

PAVEMENT DESIGN CRITERIA:
ASSUMED ESA = 1.3x10⁷
ASSUMED CBR = 3.0% ; CBR TO BE CONFIRMED ON SITE IN ACCORDANCE WITH COUNCIL SPECIFICATIONS
IF SUBGRADE < 3% - MIN 150mm STABILISED SUBGRADE (3-4% LIME BY MASS)

NOTES:

- REFER PSM3739-039L FOR PAVEMENT DESIGN DETAILS AND SPECIFICATIONS
- ALL PAVEMENT MATERIALS ARE TO SATISFY THE REQUIREMENTS OF THOSE STATED WITHIN THESE DRAWINGS AND PENRITH CITY COUNCIL'S SPECIFICATIONS, WHICHEVER IS GREATER.
- THE CONTRACTOR IS TO ARRANGE FOR SAMPLING OF THE SUBGRADE WITHIN ROADS, TO CONFIRM CBR AND PROVIDE A GEOTECHNICAL REPORT CONFIRMING THE PAVEMENT COMPOSITION IN COMPLIANCE WITH PCC'S SPECIFICATION, SUPPORTED BY NATA ACCREDITED TEST RESULTS.
- WHERE CBR RESULTS ARE LESS THAN 3% AND INSITU LIME STABILISATION IS REQUIRED, CBR SAMPLING IS TO BE COMPLETED POST INSITU LIME STABILISATION TO CONFIRM RESULTANT CBR'S HAVE REACHED THE MINIMUM 3% REQUIREMENT. A GEOTECHNICAL REPORT, SUPPORTED BY NATA ACCREDITED TEST RESULTS SHALL BE PROVIDED FOR VALIDATION.

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



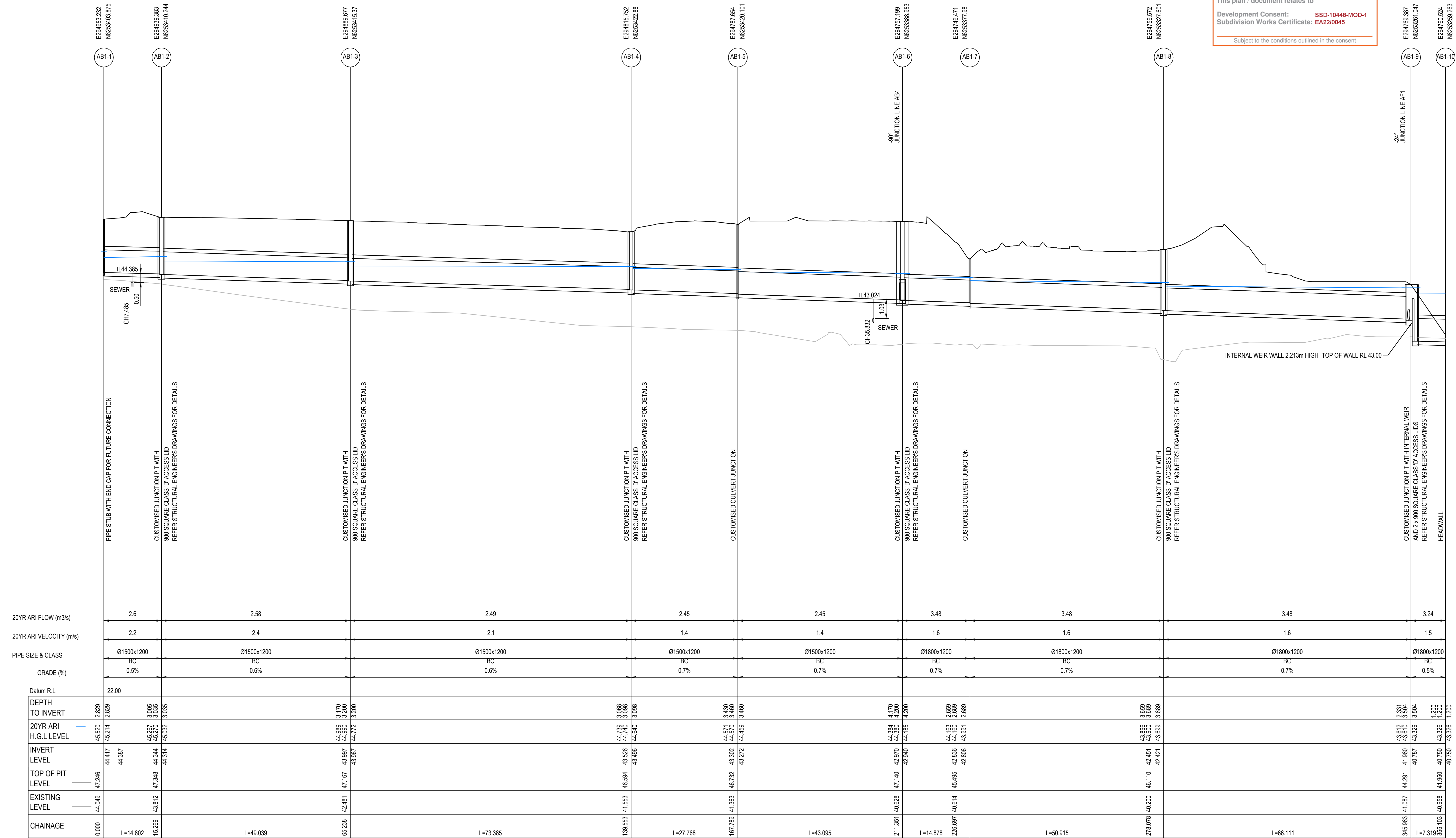
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Grid	GDA2020
Height Datum	AHD
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Drawn	JB/MH
Designed	JB/MH
Checked	DS
Approved	DS
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	PAVEMENT PLAN

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-C8321
Issue	1



F:\18-596 Mamre Road\6.0 Drqs\Civil\Final\CC\8000_STAGE 1B CC\18-596-C8402.dwg



REFER GENERAL NOTES FOR PIPE CLASS REQUIREMENTS

1

ISSUED FOR CONSTRUCTION

17-11-22

A

ISSUED FOR SWC APPROVAL

20-10-22

Issue

Description

Date

Bar Scales

VERTICAL

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

HORIZONTAL

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales

1:500 (H)
1:100 (V)

Grid

GDA2020

Height Datum

AHD

Drawn

JB/MH

Designed

JB/MH

Checked

DS

Approved

DS

GDA2020

Project

ASPECT INDUSTRIAL ESTATE
MAMRE ROAD,
KEMPS CREEK
STAGE 1B

Title

STORMWATER DRAINAGE
LONGITUDINAL SECTION
SHEET 3

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.

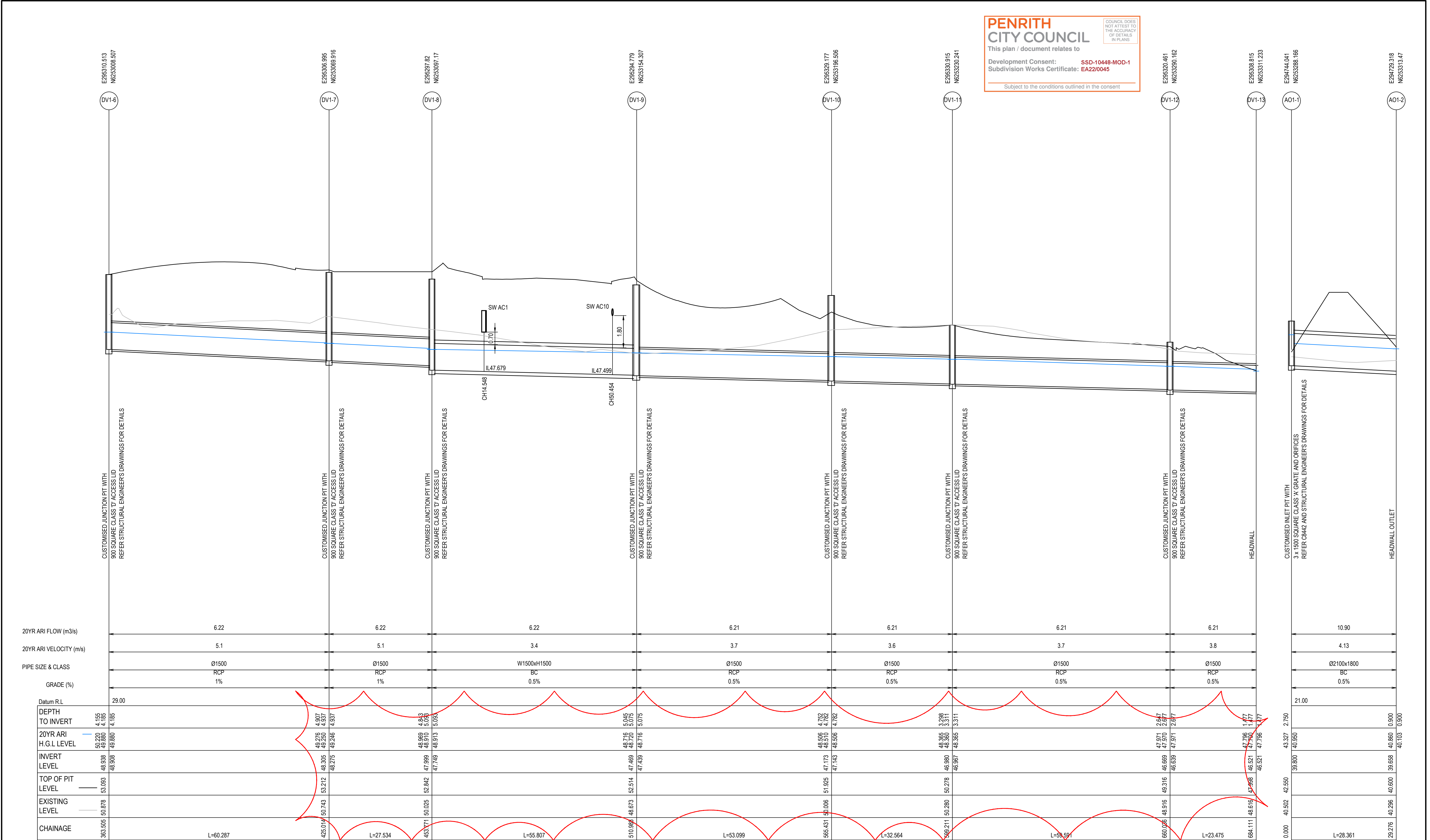
18-596-C8403

Issue

1

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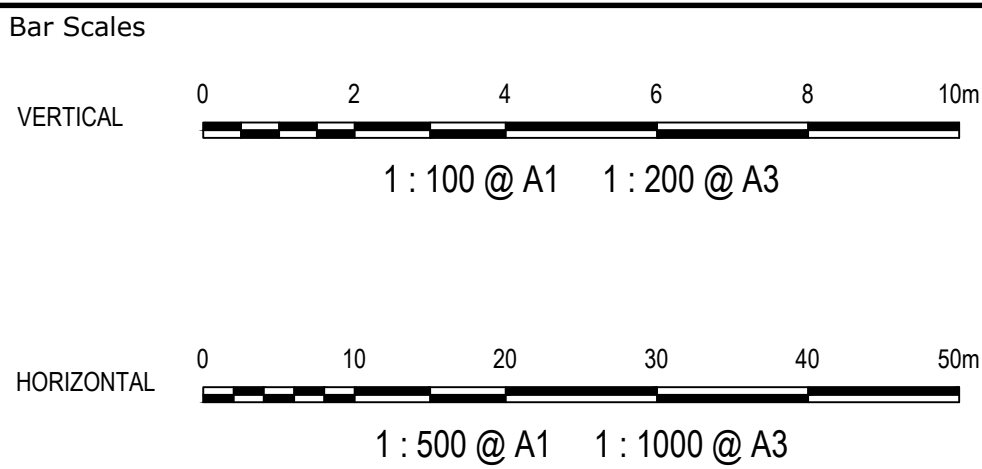
PENRITH CITY COUNCIL
This plan / document relates to
Development Consent: **SSD-10448-MOD-1**
Subdivision Works Certificate: **EA22/0045**
Subject to the conditions outlined in the consent

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

REFER GENERAL NOTES FOR PIPE CLASS REQUIREMENTS

HOLD - DIVERSION PITS TOP OF PIT LEVELS TO MATCH FUTURE MOD 3 FINISHED SURFACE LEVELS

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



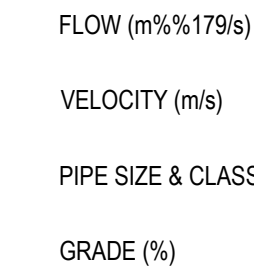
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Scales	1:500 (H) 1:100 (V)	Drawn	JB/MH
Grid	GDA2020	Designed	JB/MH
Height Datum	AHD	Checked	DS
		Approved	DS

Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 5

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	A1
Project - Drawing No.	18-596-C8405	Issue
		1



LINE AA10

LINE AF1

LINE AO2

100mm on Original



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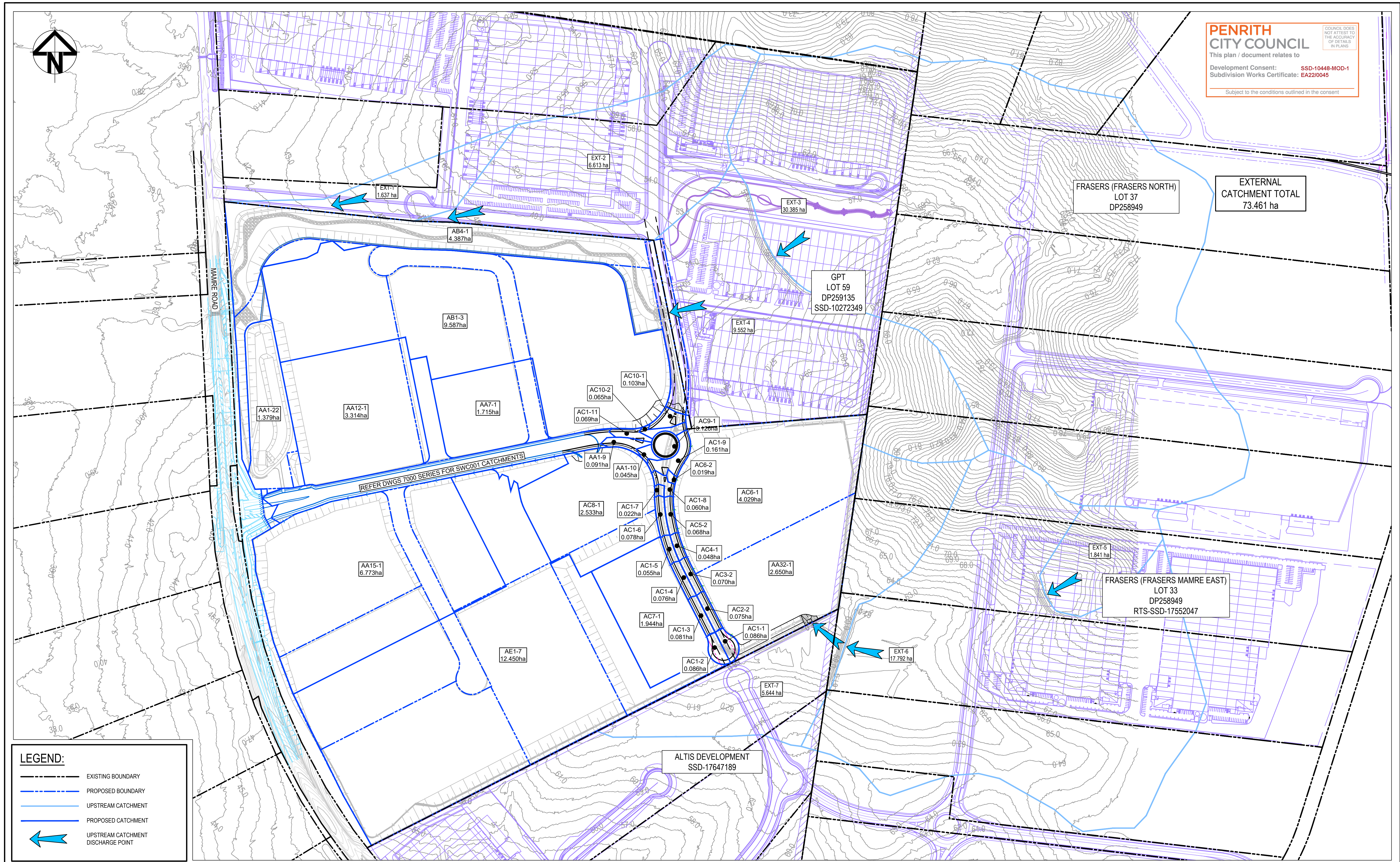


Scales	1:500 (H) 1:100 (V)	Drawn	JB/MH
		Designed	JB/MH
Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS



Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
Title	STORMWATER DRAINAGE LONGITUDINAL SECTION SHEET 6

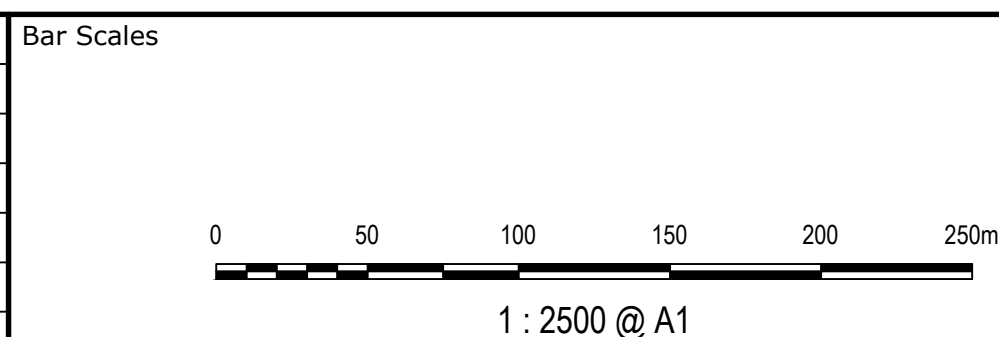
Civil Engineers and Project Managers 	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
Status FOR CONSTRUCTION	A1
Project - Drawing No. 18-596-C8406	Issue 1



LEGEND:

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- UPSTREAM CATCHMENT
- PROPOSED CATCHMENT
- UPSTREAM CATCHMENT DISCHARGE POINT

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



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Scales	1:2500	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	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)

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-C8412	Issue 1



100mm on Original



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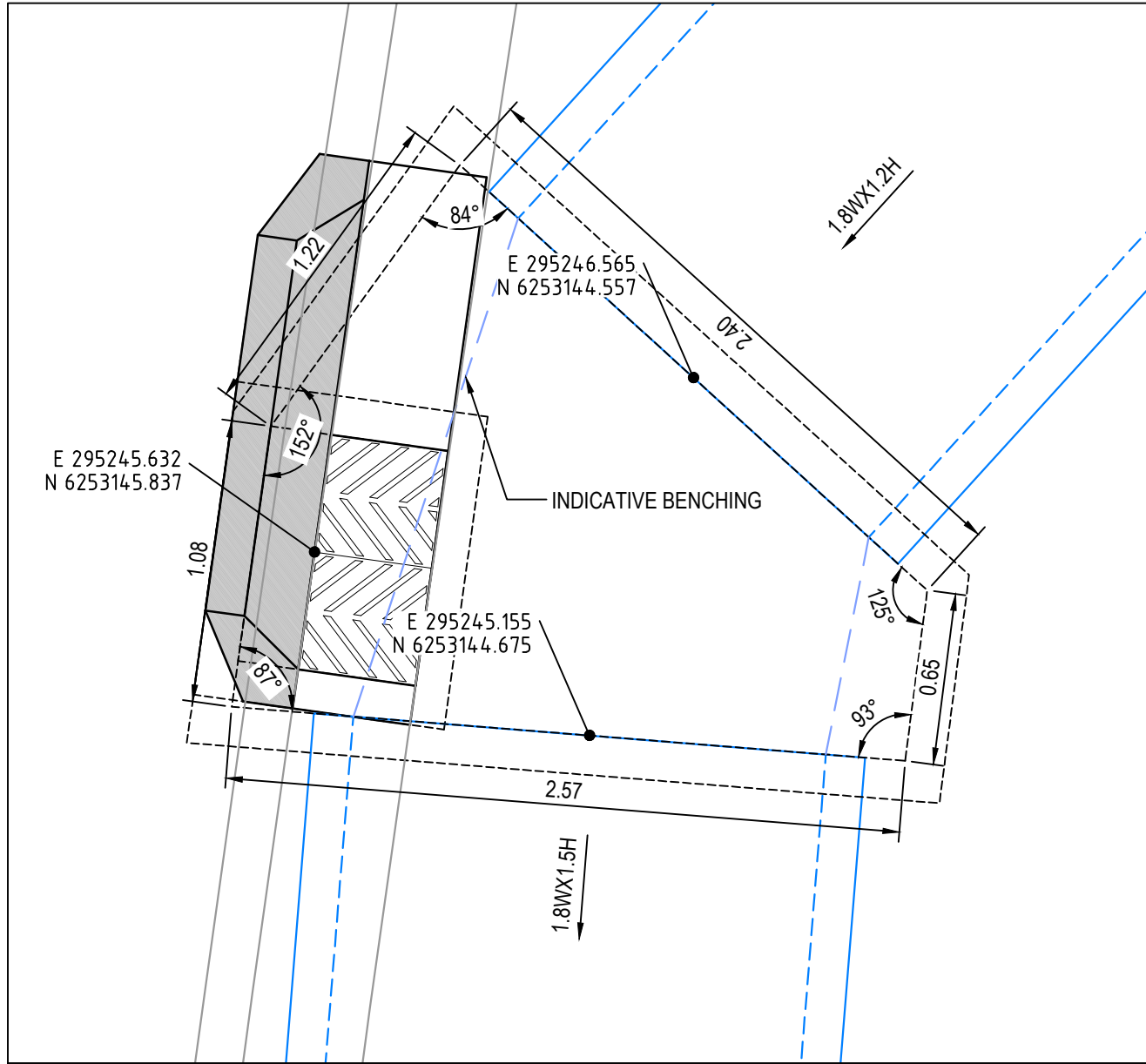
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Grid	GDA2020	Checked	DS
Height Datum	AHD	Approved	DS



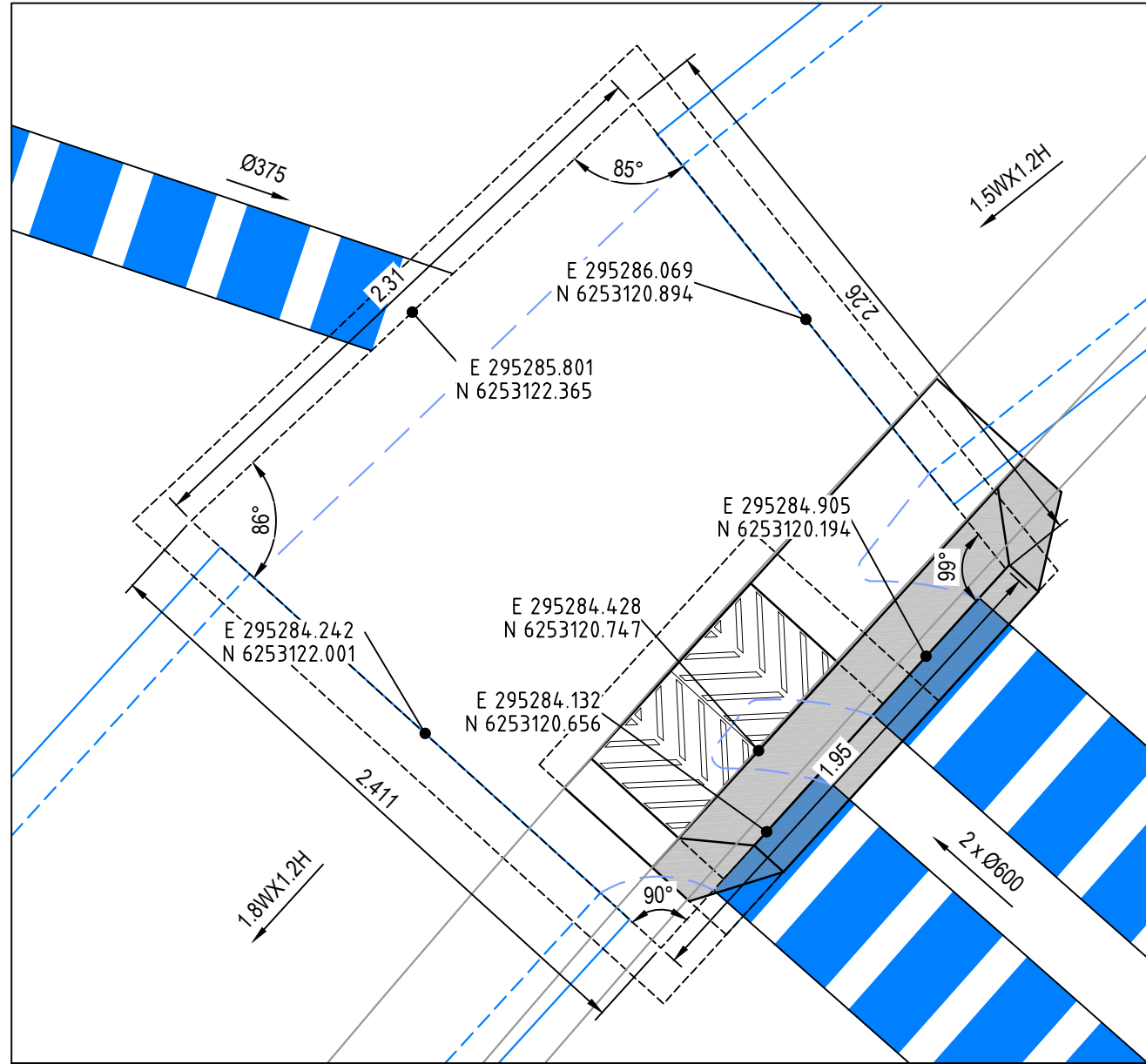
Project	ASPECT INDUSTRIAL ESTATE MAMRE ROAD, KEMPS CREEK STAGE 1B
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STORMWATER DRAINAGE
DETAILS
SHEET 1

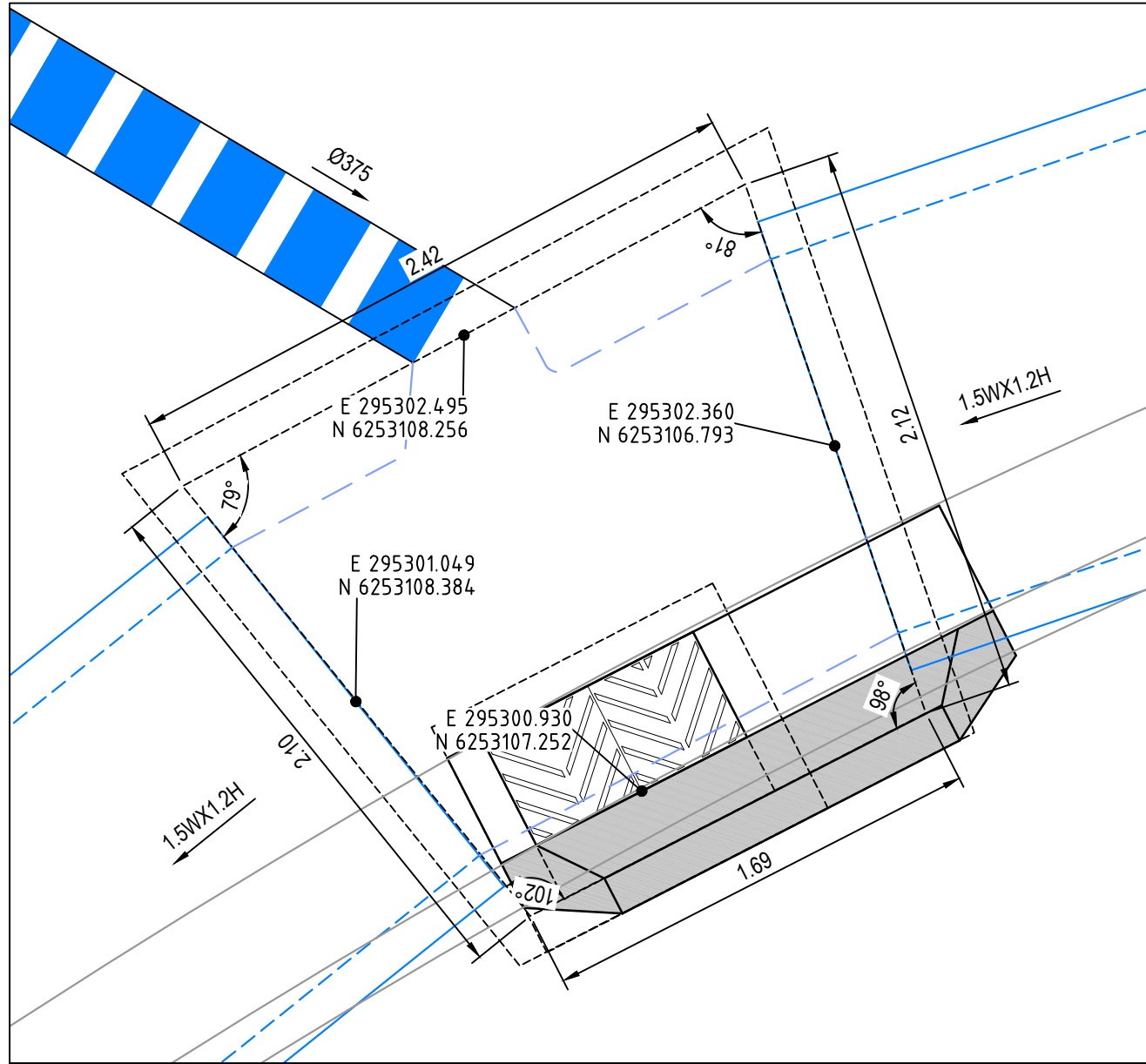
Civil Engineers and Project Managers		
	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
	Status FOR CONSTRUCTION A1	
Project - Drawing No. 18-596-C8421	Issue 1	



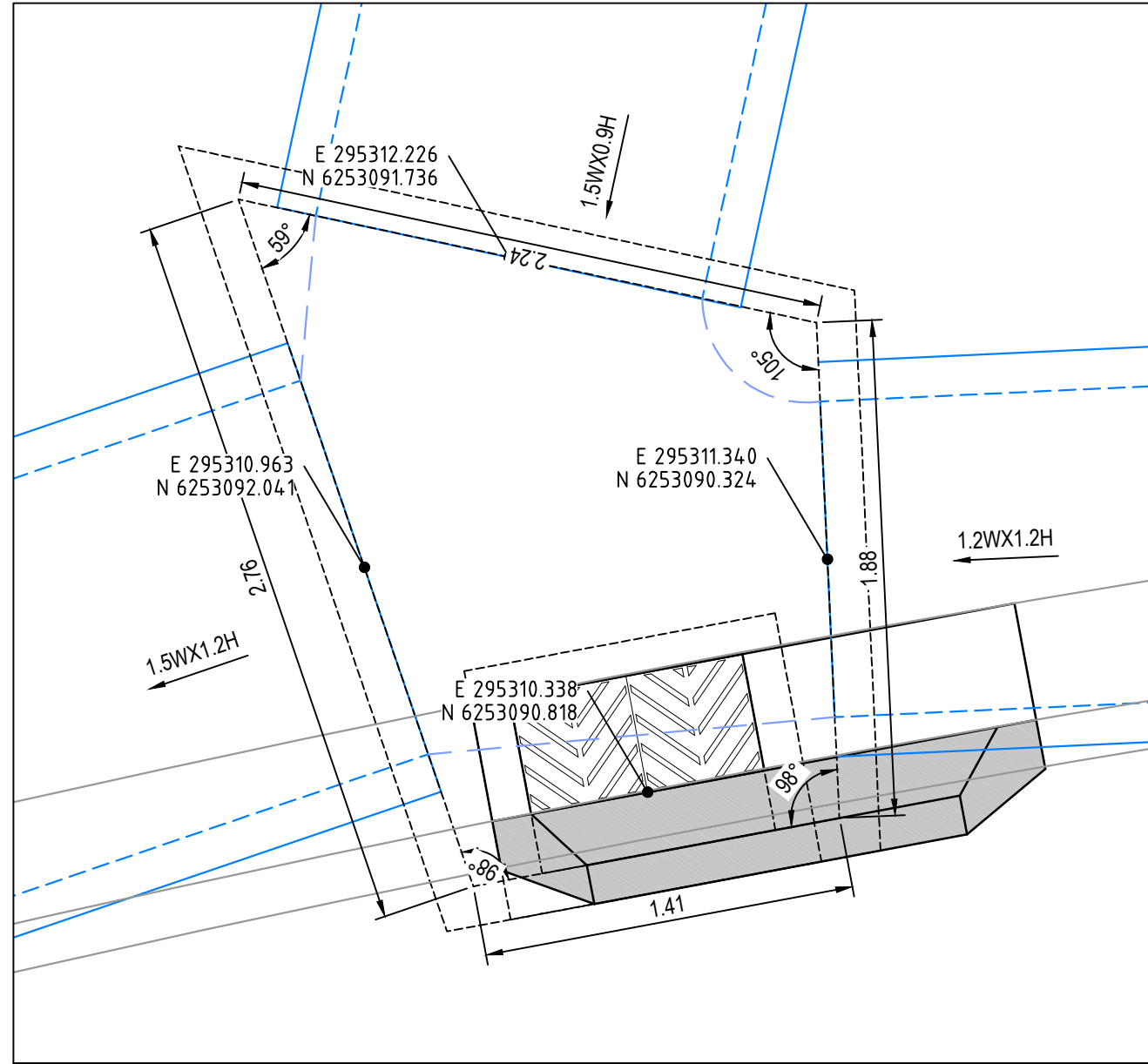
PIT AC1-11



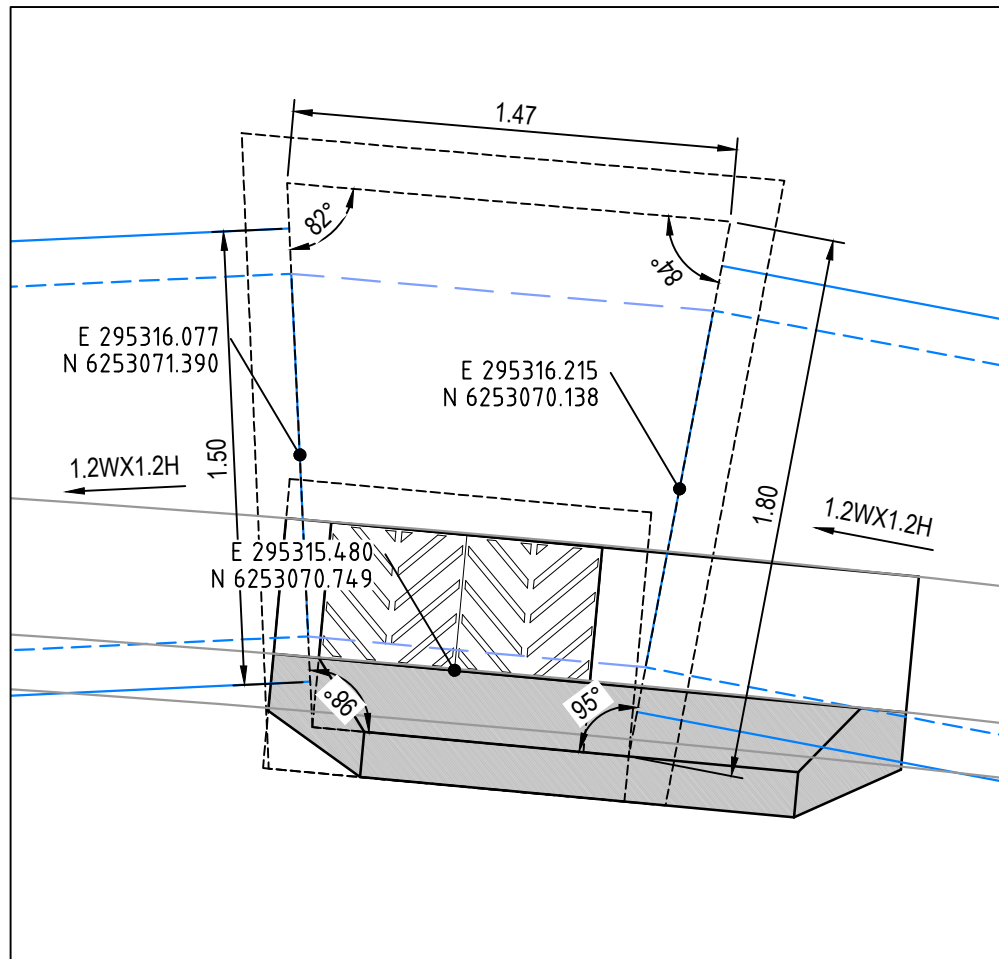
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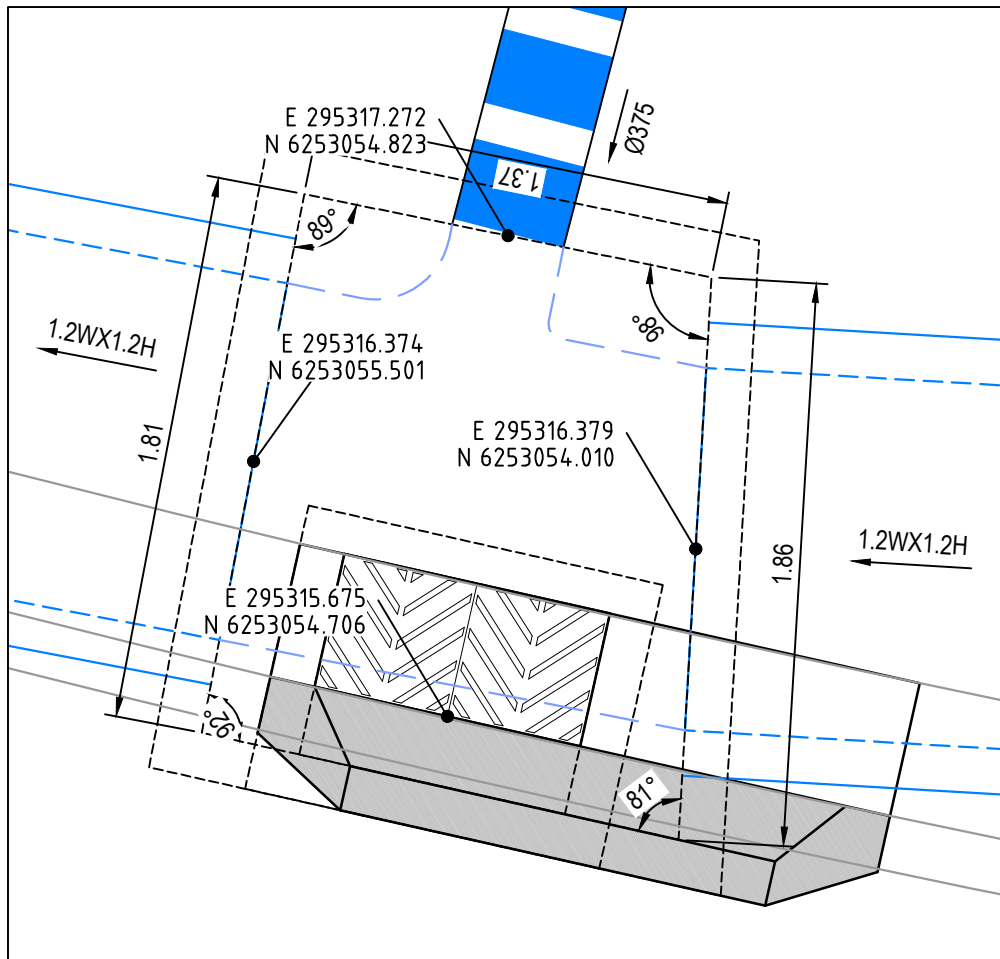
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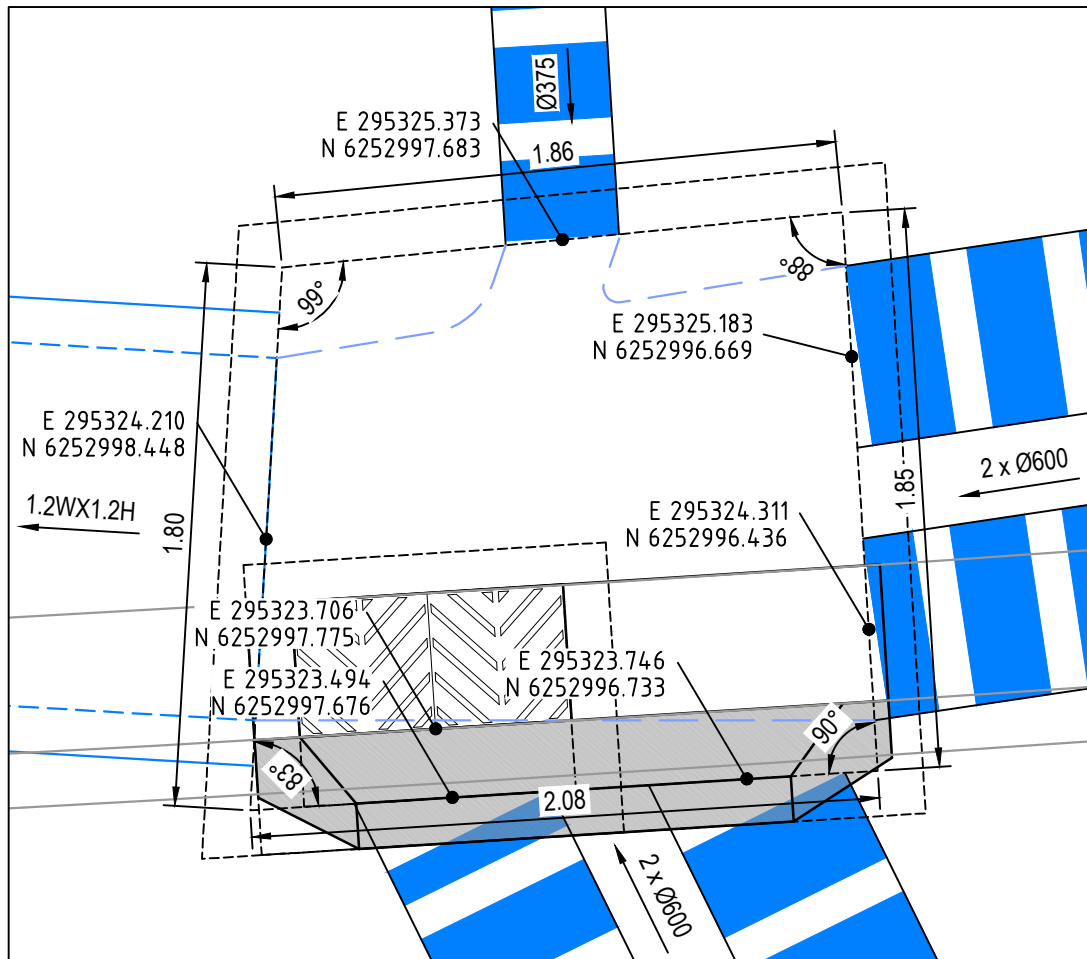
PIT AC1-8



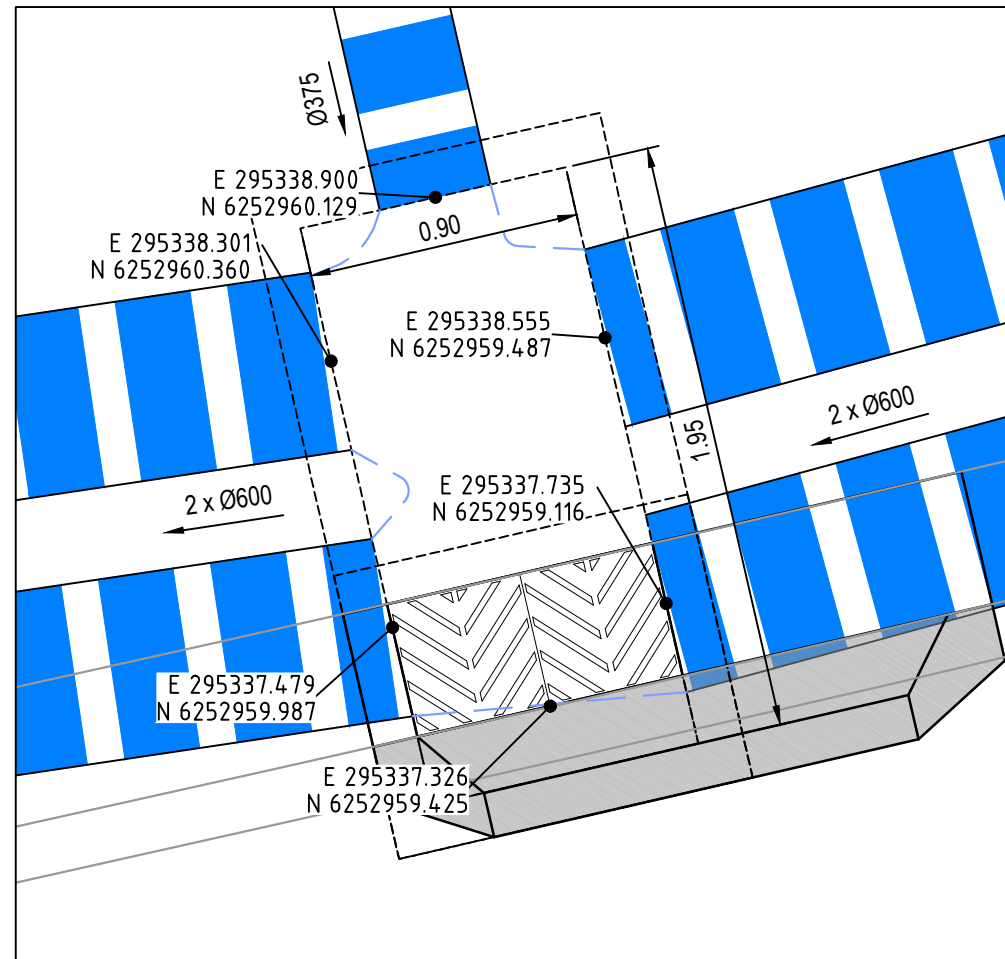
PIT AC1-7



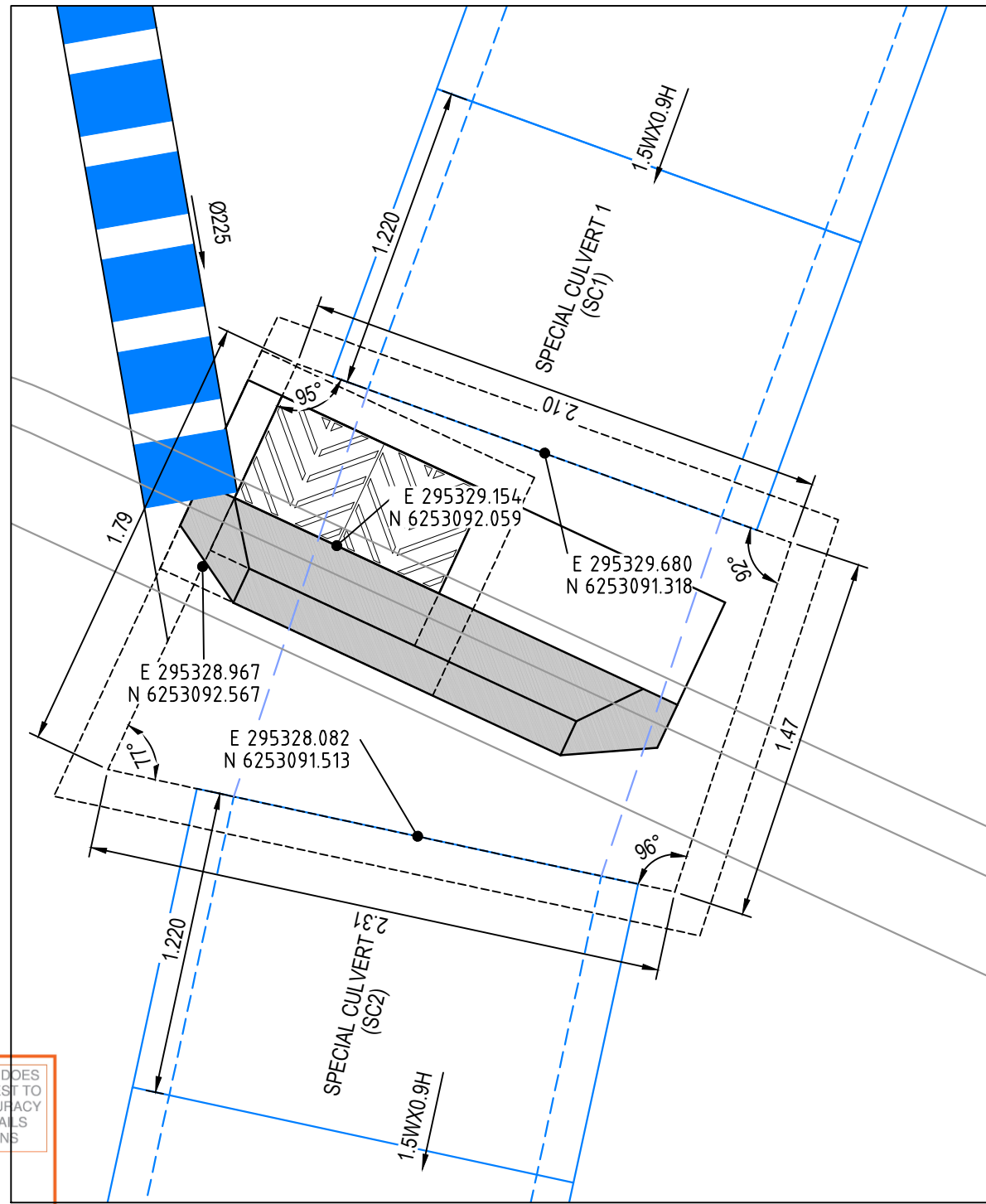
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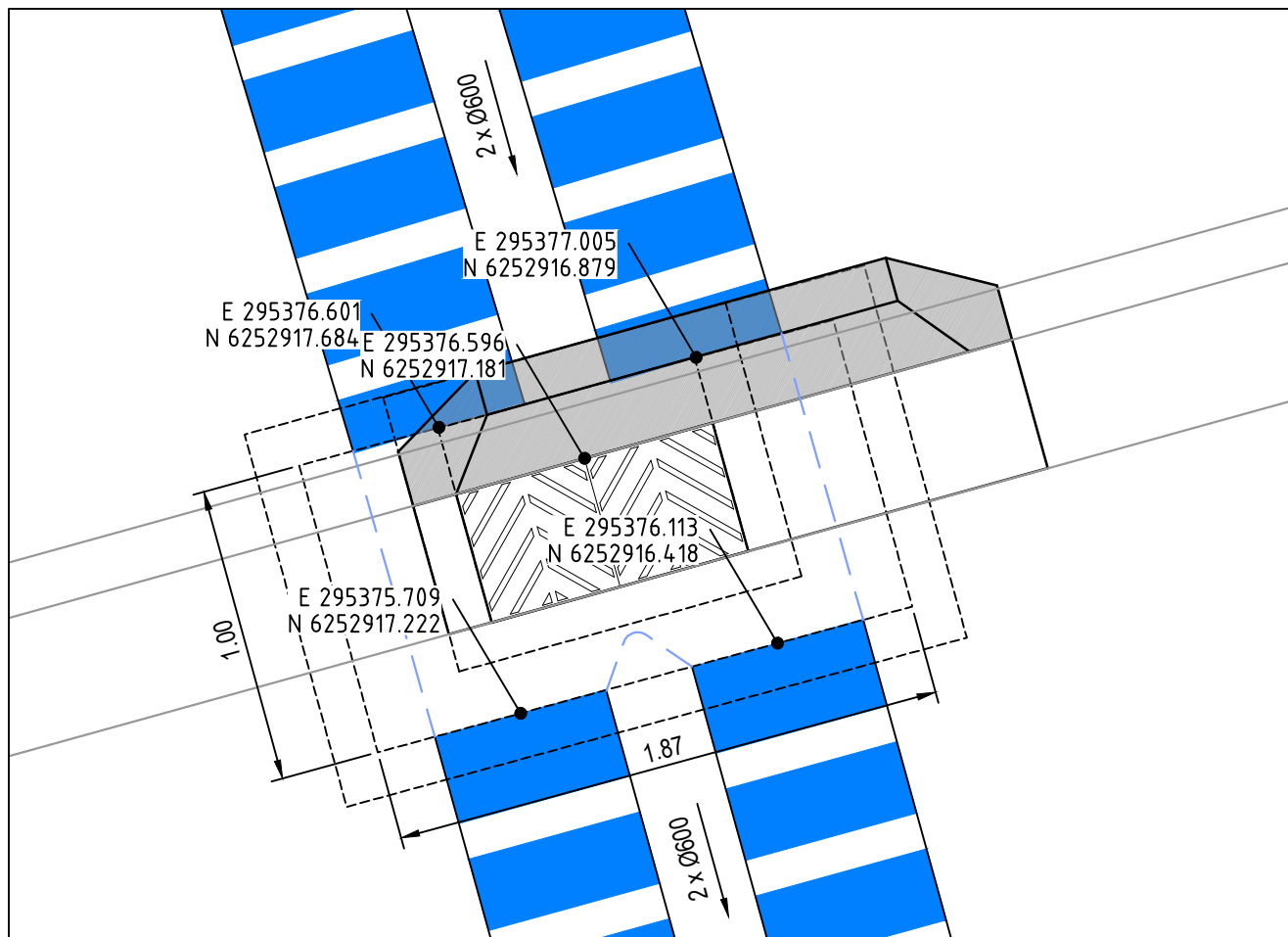
PIT AC1-5



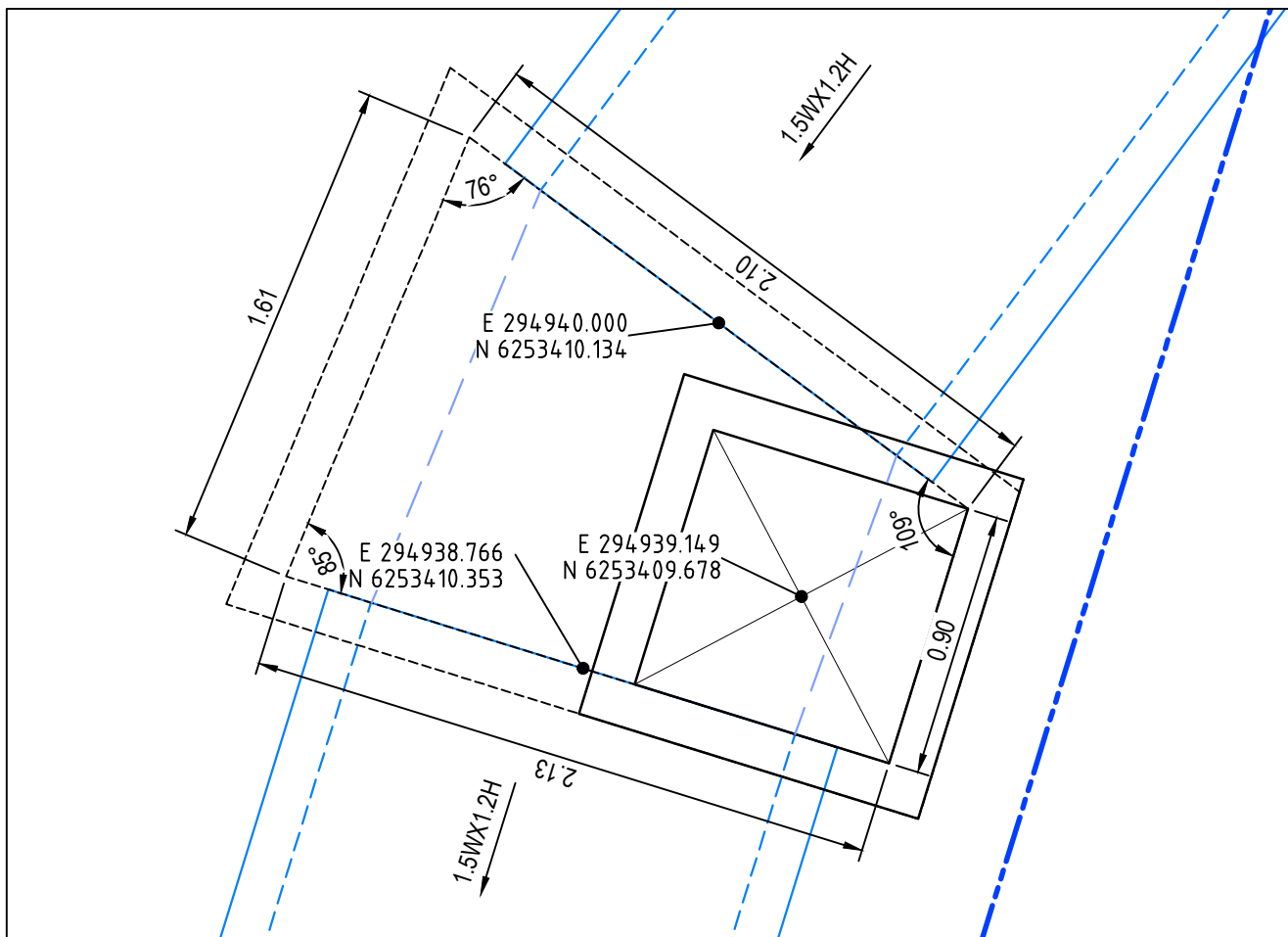
PIT AC1-4



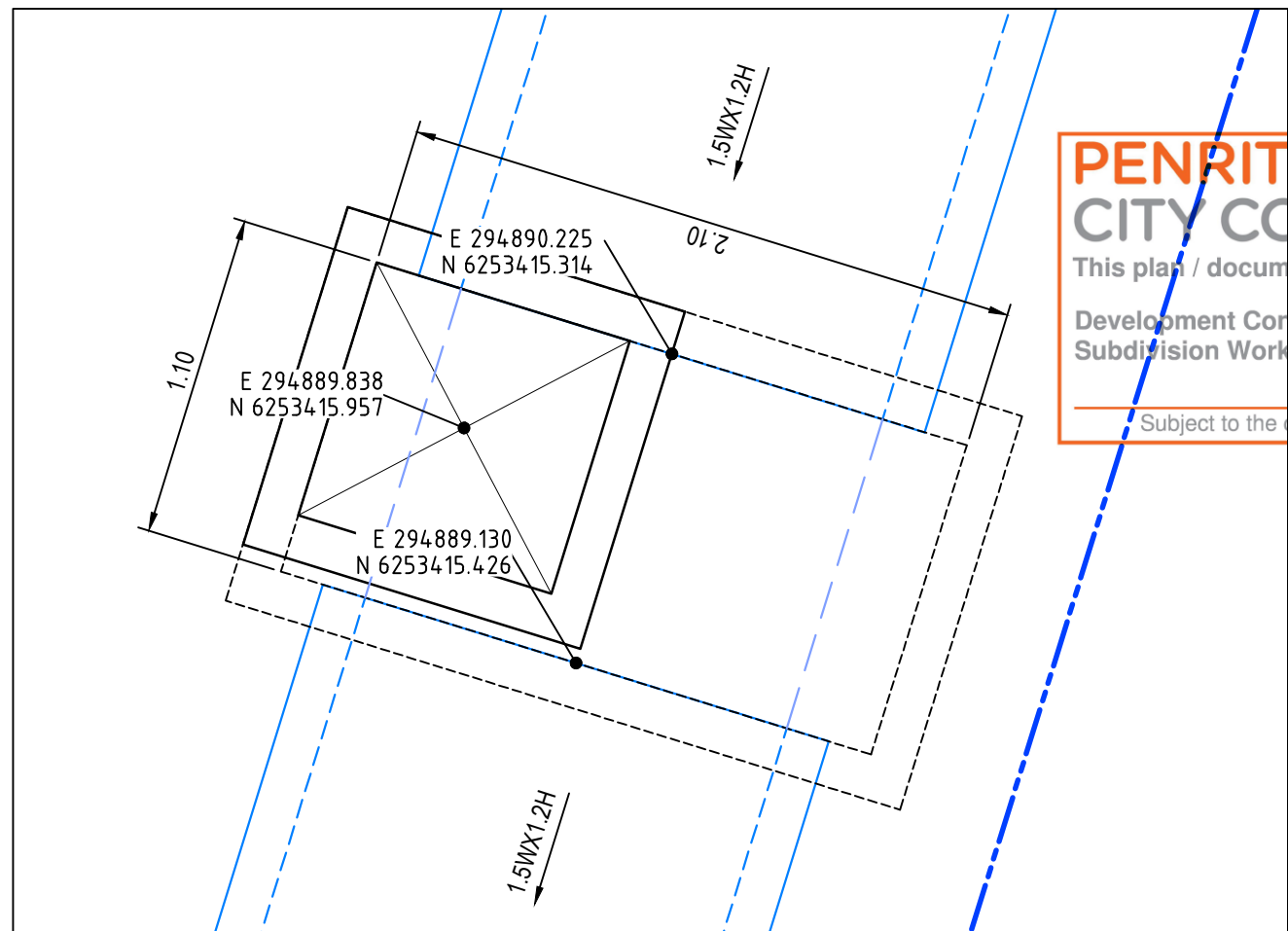
PIT AC6-2, SC1 & SC2



PIT AC2-2



PIT AB1-2

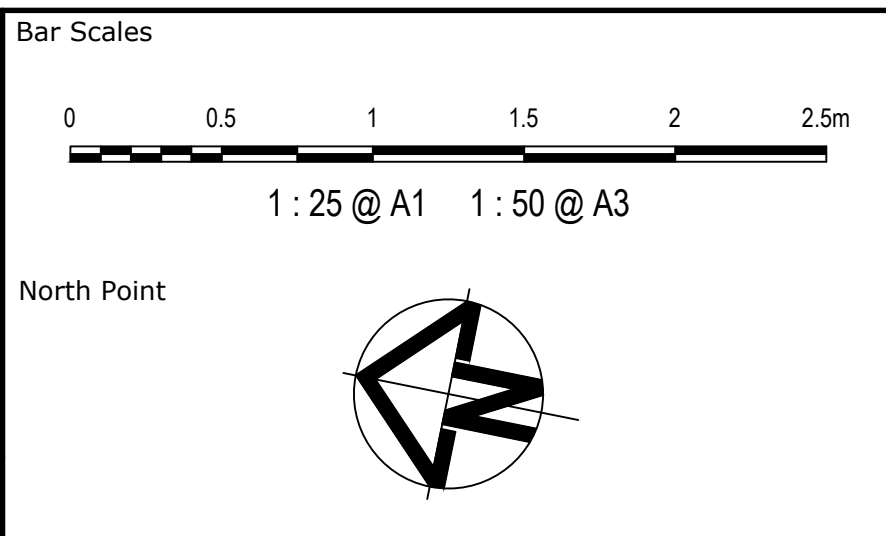


PIT AB1-3

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

- STORMWATER NOTES:**
1. STORMWATER PIT CHAMBER DIMENSIONS SHOWN ON THIS PLAN ARE SHOWN AS A GUIDE ONLY. CONTRACTOR TO CONFIRM CHAMBER DIMENSIONS ON SITE WITH SITE SUPERINTENDENT
 2. ALL PITS TO HAVE MASS CONCRETE (N20) BENCHING TO ENSURE SMOOTH FLOW & SMOOTH TRANSITION FROM ENTRY PIPES TO EXIT PIPES.
 3. BENCHING MUST BE PLACED TO ENSURE SURFACE IS SMOOTH & FREE FROM VOIDS AND CRACKS.
 4. BENCHING MUST BE A MIN. HEIGHT EQUAL TO HALF THE BARREL OF THE PIPE.
 5. ENSURE ALL STEP IRONS ARE LOCATED ON THE CLOSEST FACE TO THE OPENING TO ALLOW FREE ACCESS TO THE CHAMBER.
 6. WHERE SUBSOIL IS INSTALLED INTO THE PIT, EXTEND SUBSOIL THROUGH BENCHING TO DISCHARGE FREELY INTO CHAMBER.
 7. PIT WIDTHS ARE TO ALLOW FOR PIPE DIAMETER + 150mm TO PIT WALL MIN.
 8. IF IN DOUBT, SEEK CLARIFICATION FROM THE SUPERINTENDENT.

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



Key Plan

Client

mirvac

Scales
1:25

Grid
GDA2020

Height Datum
AHD

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GDA2020

Drawn
JB/MH

Designed
JB/MH

Checked
DS

Approved
DS

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

Title
**STRUCTURE SETOUT DETAILS
SHEET 1**

Civil Engineers and Project Managers

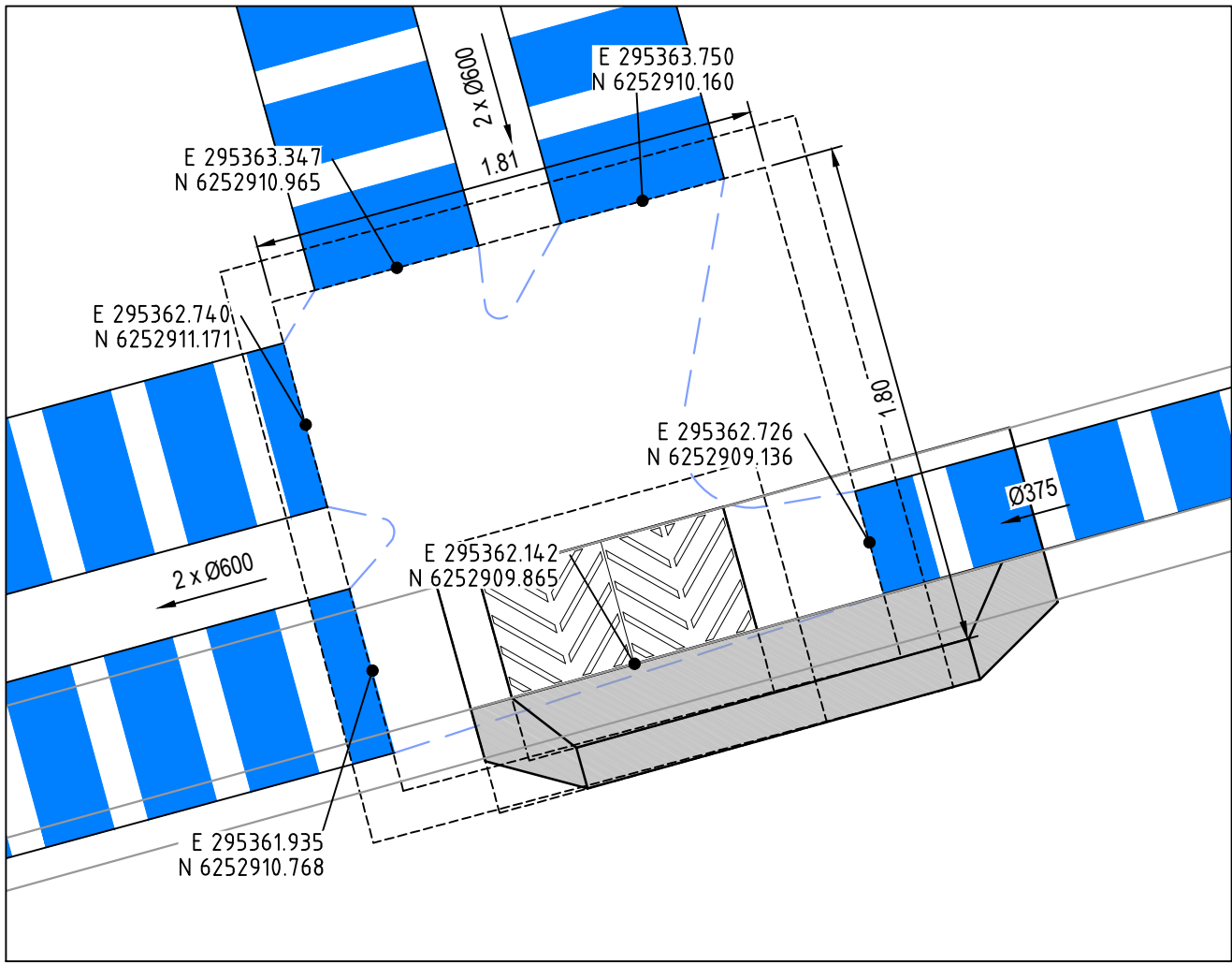
at&l

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

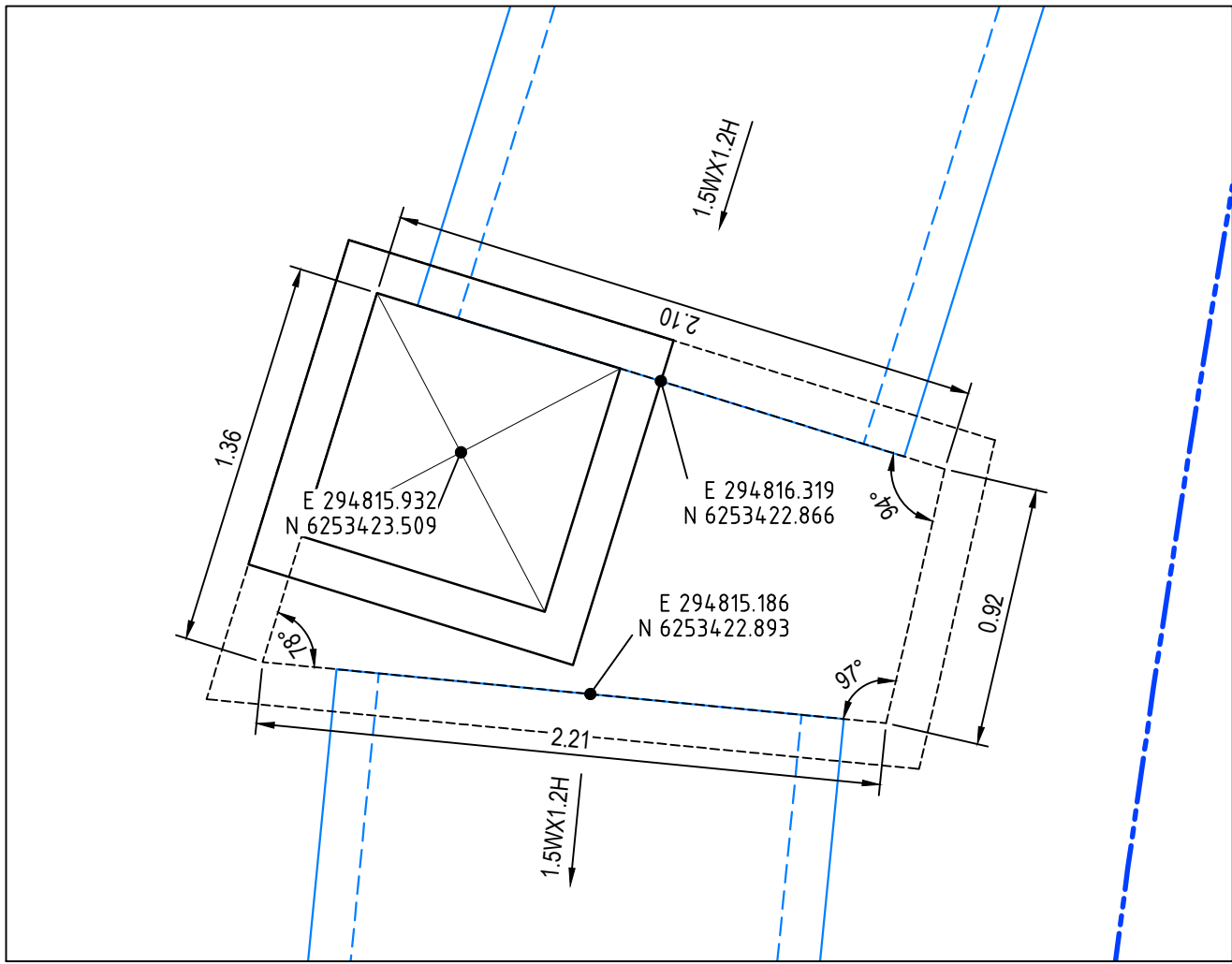
Status
FOR CONSTRUCTION

Project - Drawing No.
18-596-C8431

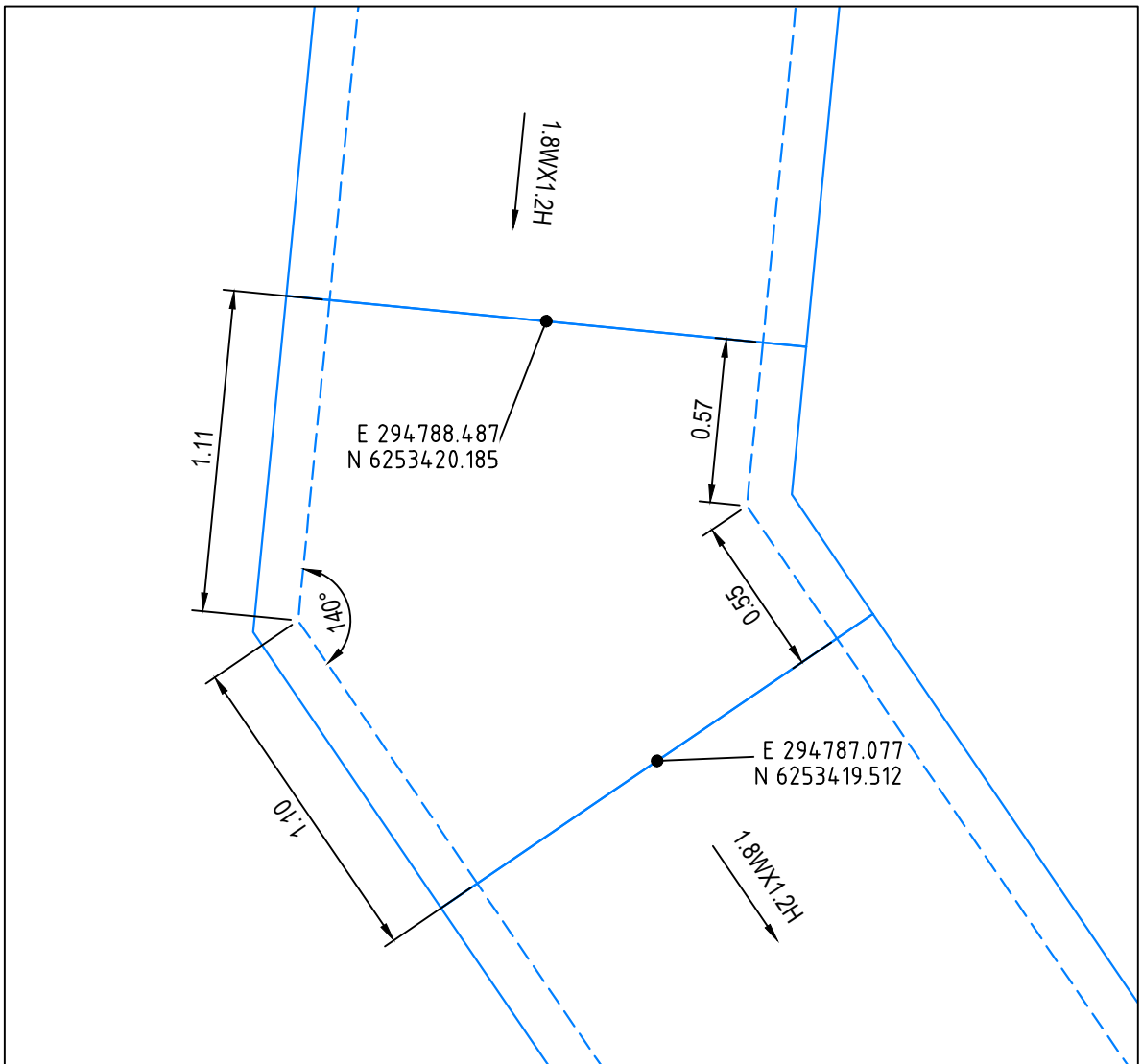
Issue
1



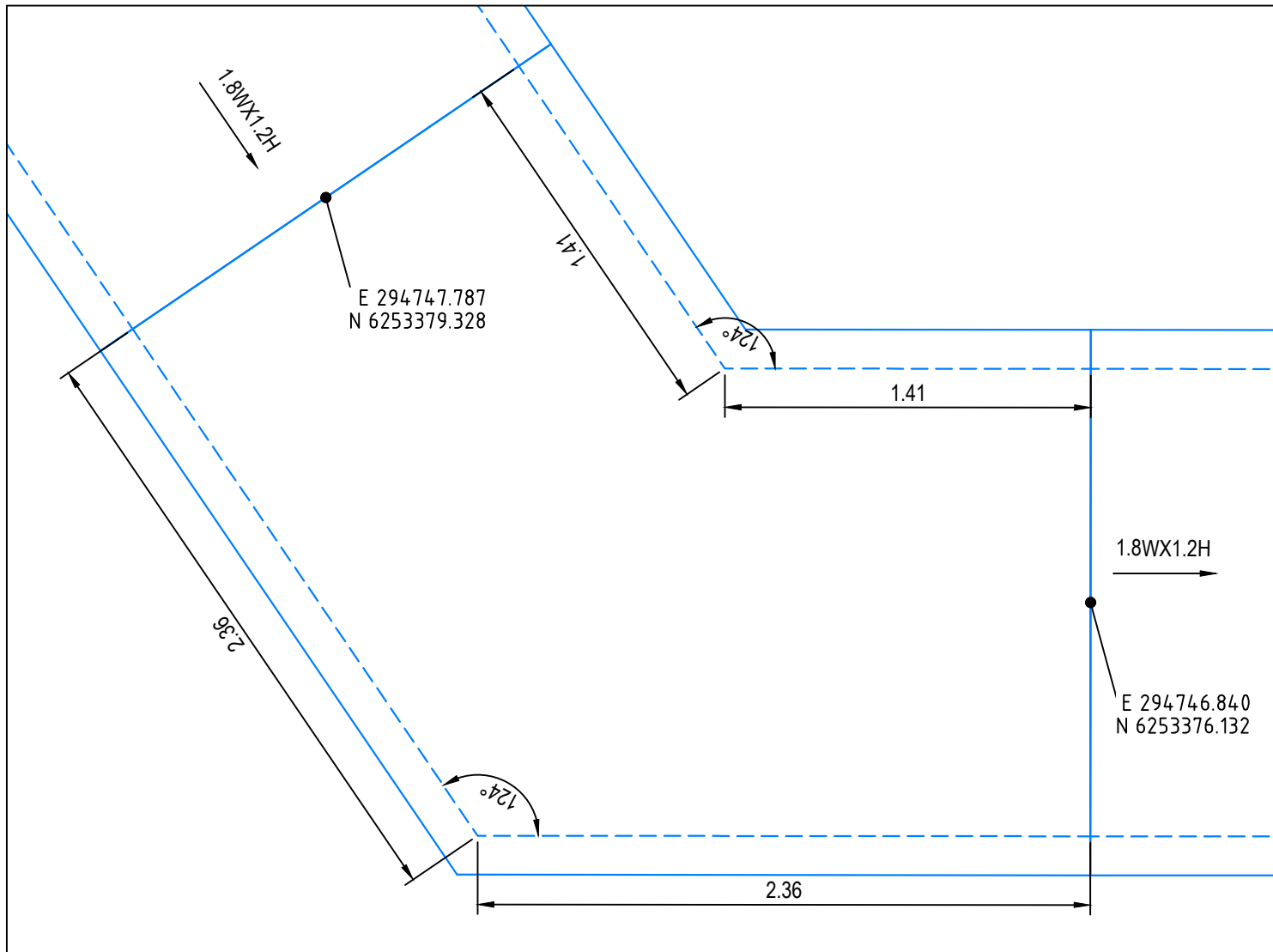
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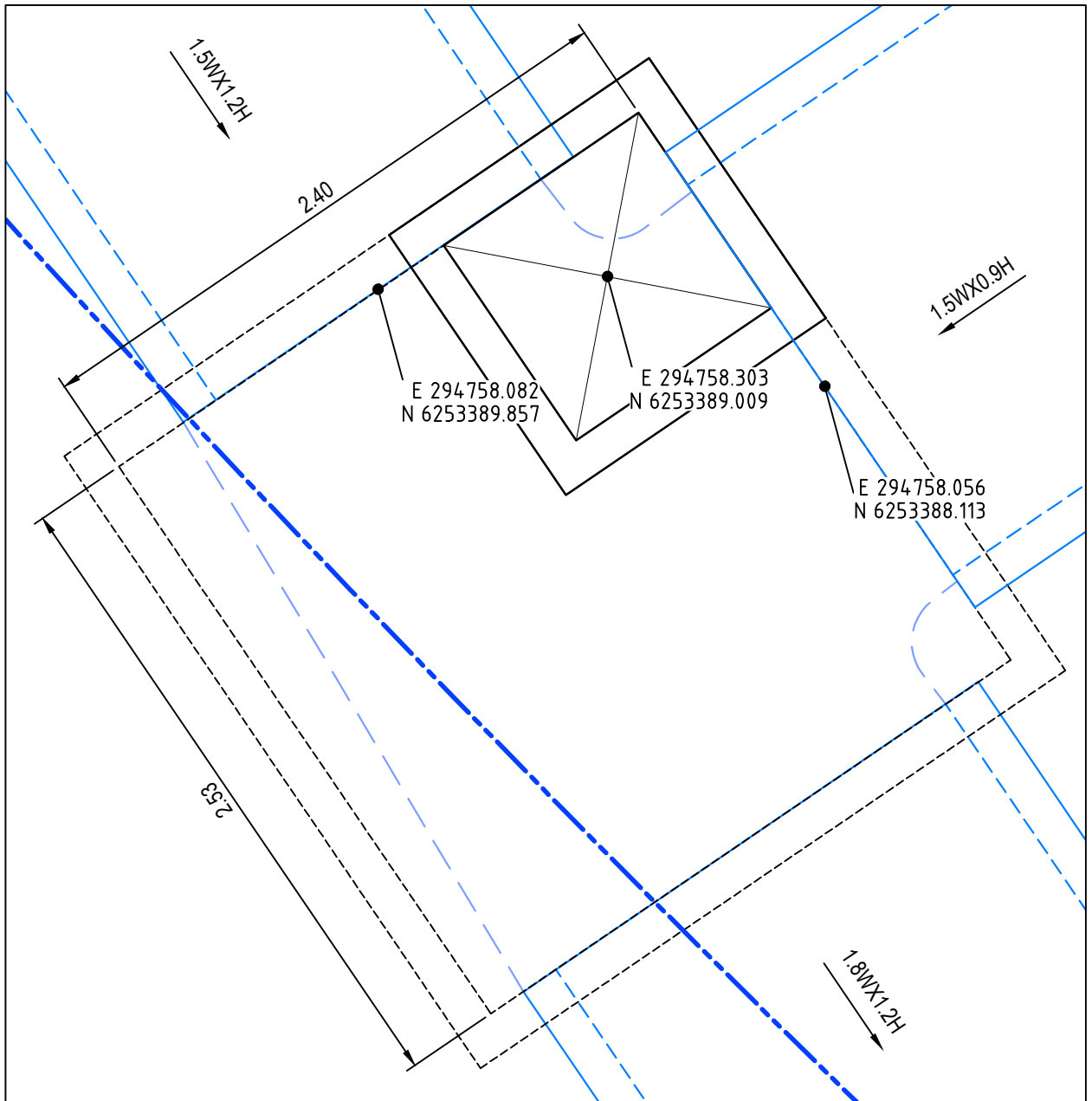
PIT AB1-4



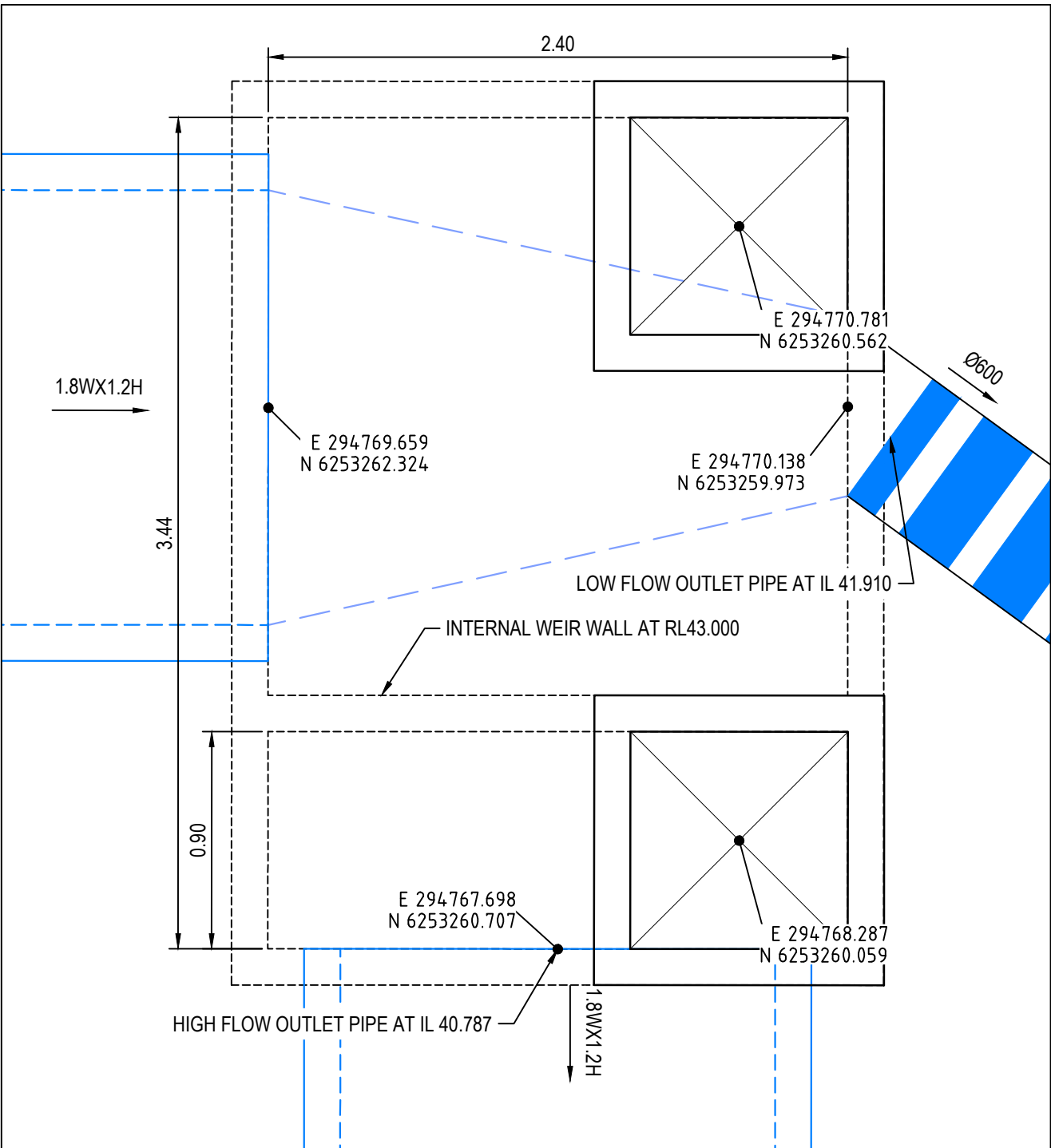
PIT AB1-5 (SC3)



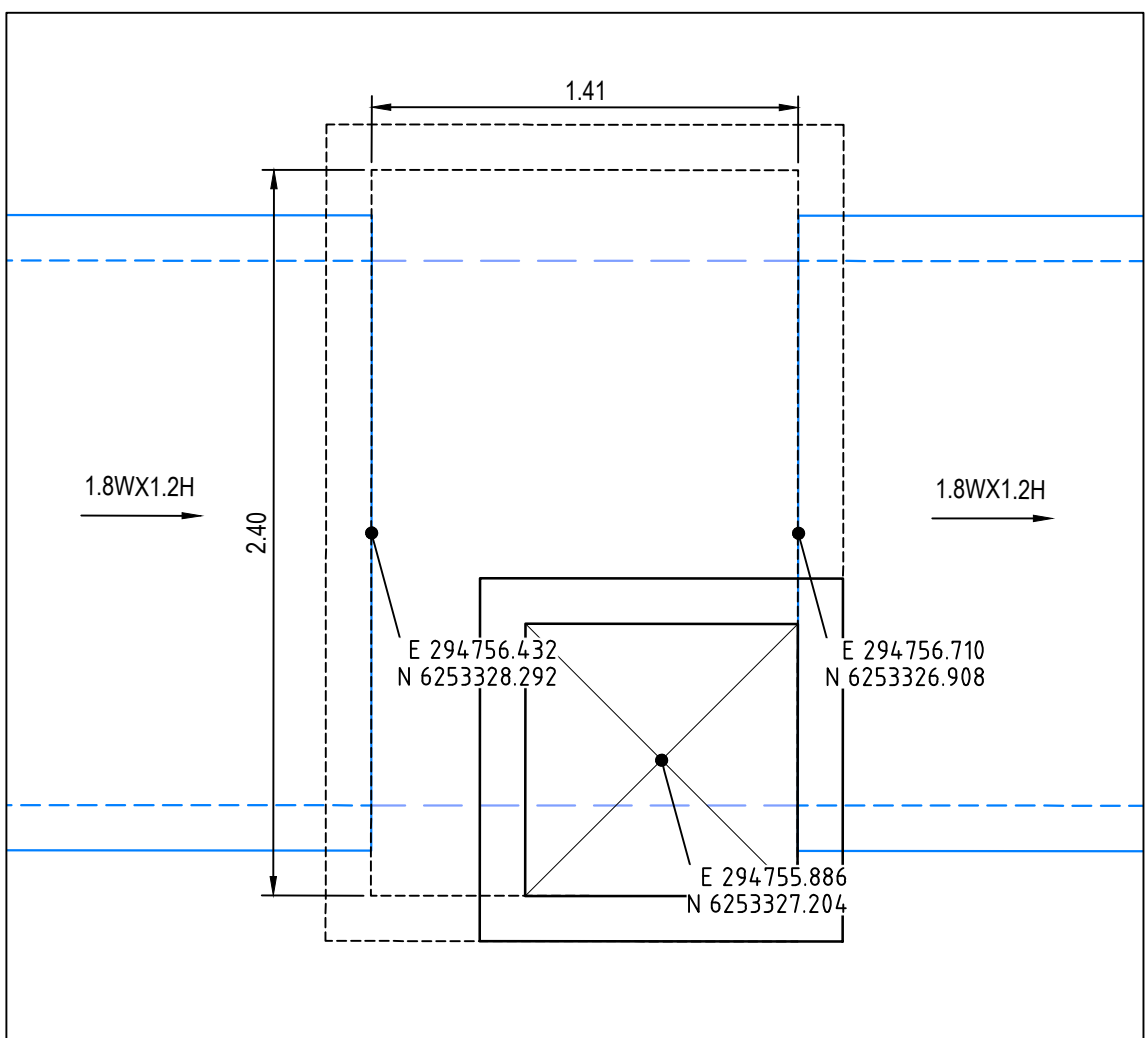
PIT AB1-7 (SC4)



PIT AB1-6

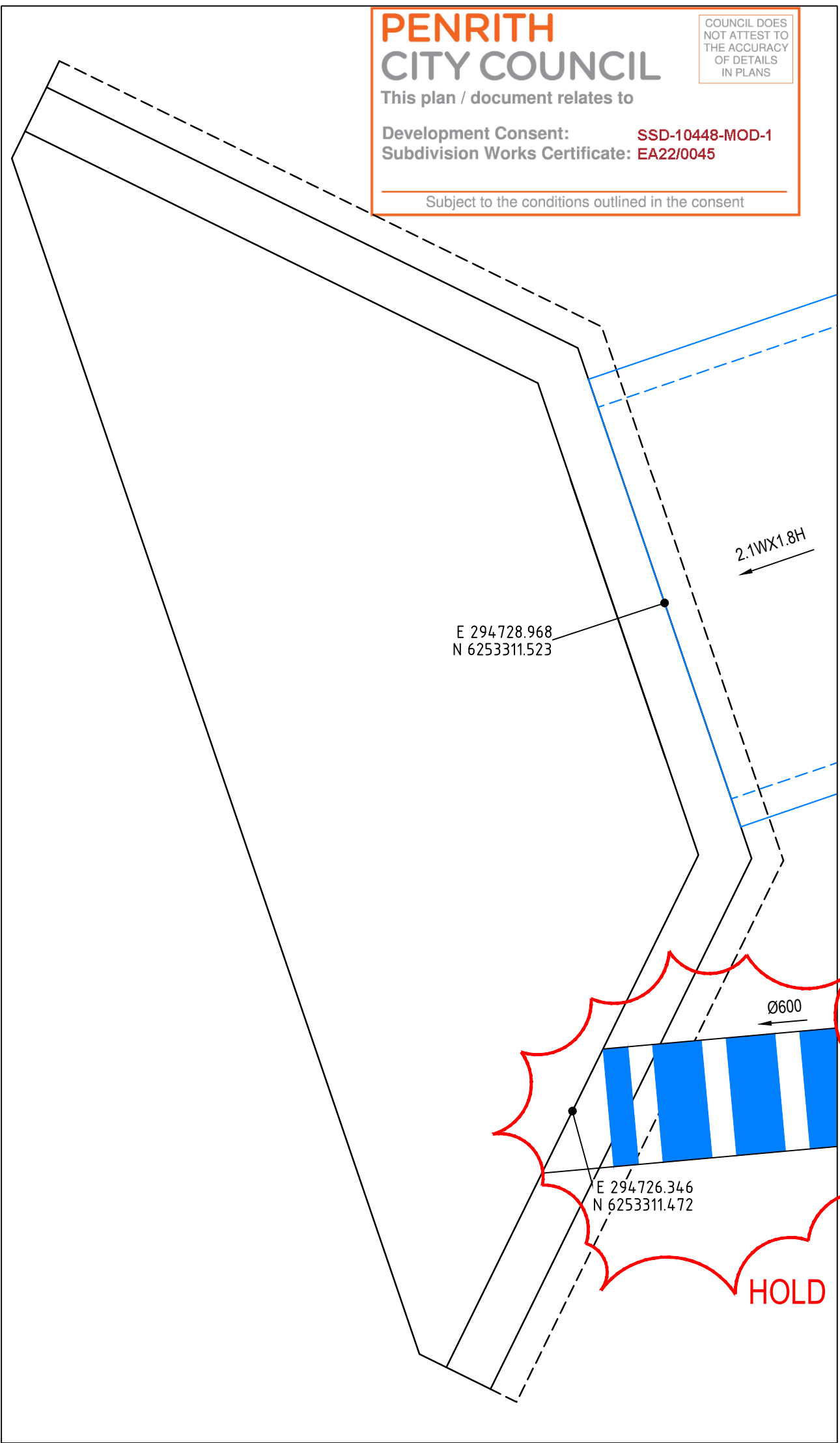


PIT AB1-9

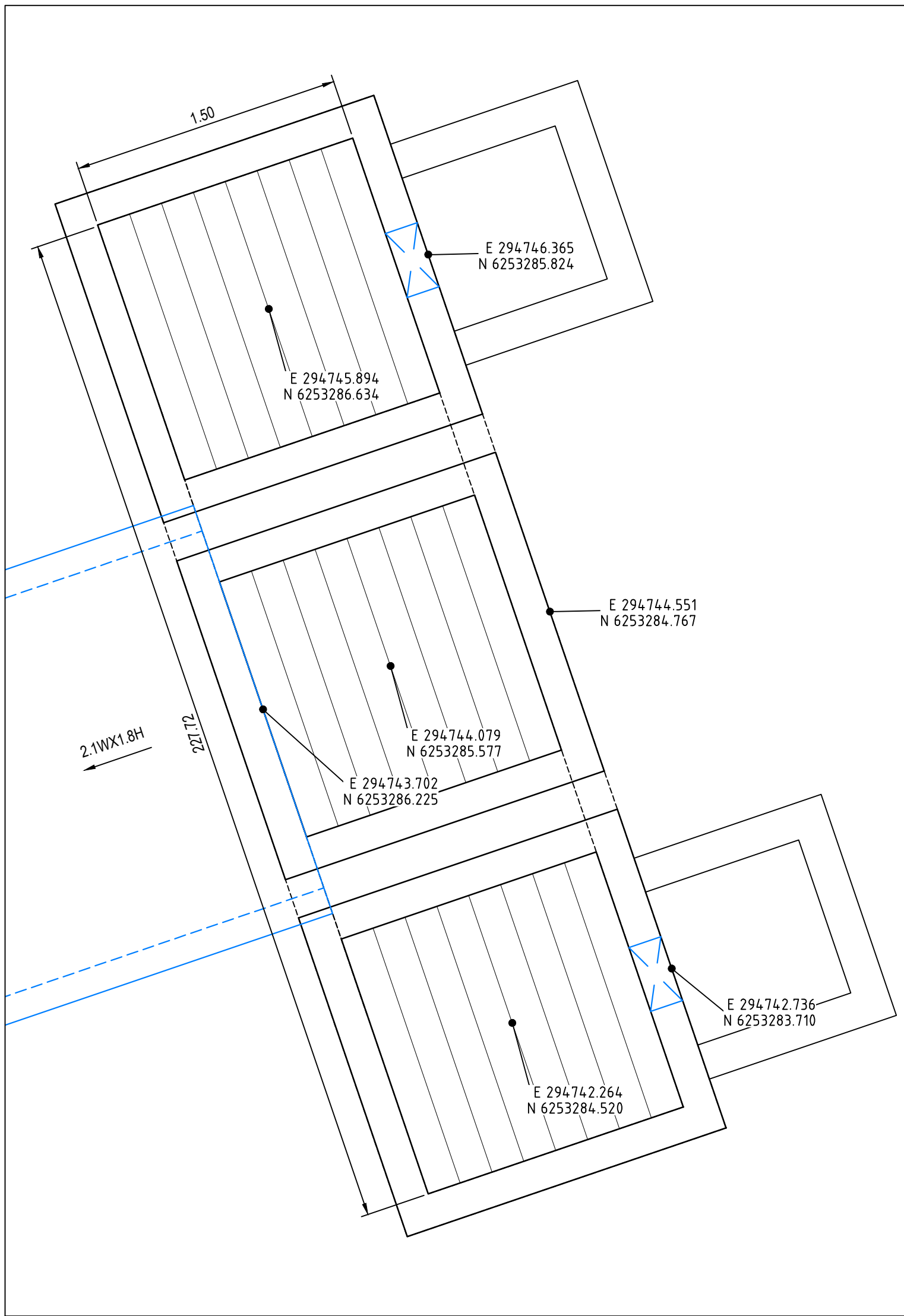


PIT AB1-8

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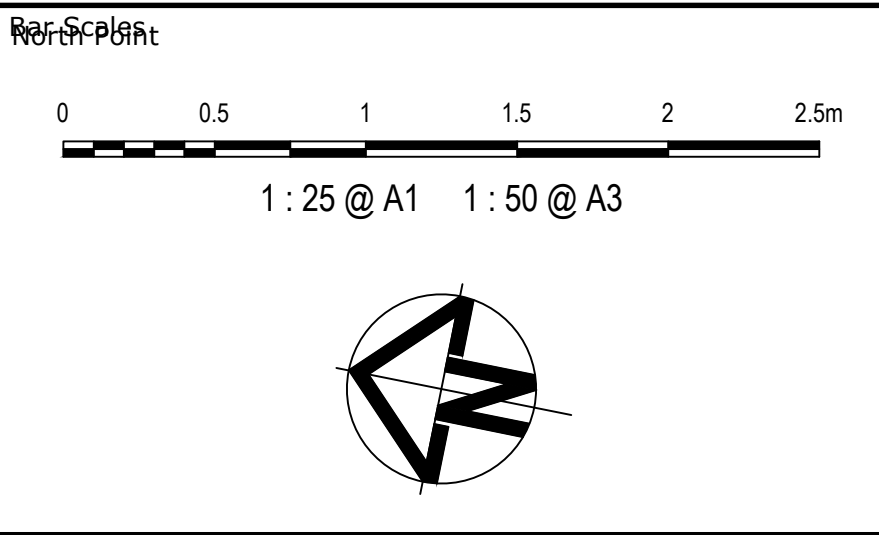


PIT AO1-2



PIT AO1-1

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



Key Plan



Scales	1:25	Drawn	JB/MH
Grid	GDA2020	Designed	JB/MH
Height Datum	AHD	Checked	DS
		Approved	DS

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GDA2020

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

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-C8432	Issue
		1