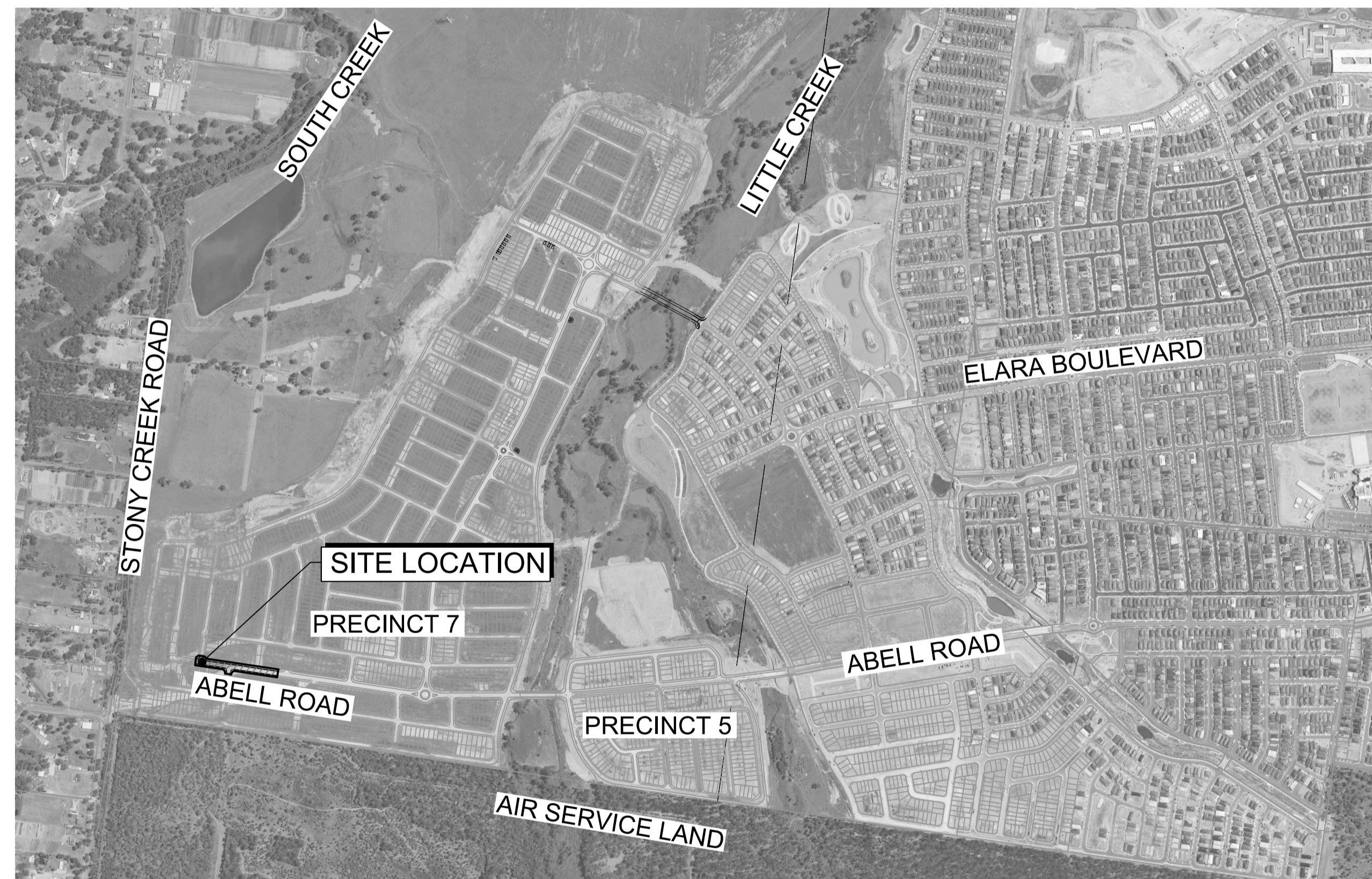




NEWPARK - PRECINCT 7 ABELL ROAD STAGE 3 SUBDIVISION WORKS CERTIFICATE

COLLECTOR ROAD AND DRAINAGE WORKS

COUNCIL REF: SPP-17-00046



LOCALITY SKETCH

IMAGE REF: METROMAP - 10/12/21

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature.....*PR*.....
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

These plans are referred to in certificate no. 16632 approved by:

LDC
Christopher Louis Wahbe
 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision

Land Development Certificates
www.LDC.com.au

THESE PLANS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED SUBDIVISION WORKS CERTIFICATE PLANS:
 PRECINCT 7, STAGE 7D
 REF: 9955-12-CC12001 TO CC12803

ABELL ROAD TO BE CONSTRUCTED AT THE SAME TIME AS PRECINCT 7, STAGE 7D SUBDIVISION.

Plotted: 14 September, 2021 2:05:56 PM. File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13001.dwg

A	ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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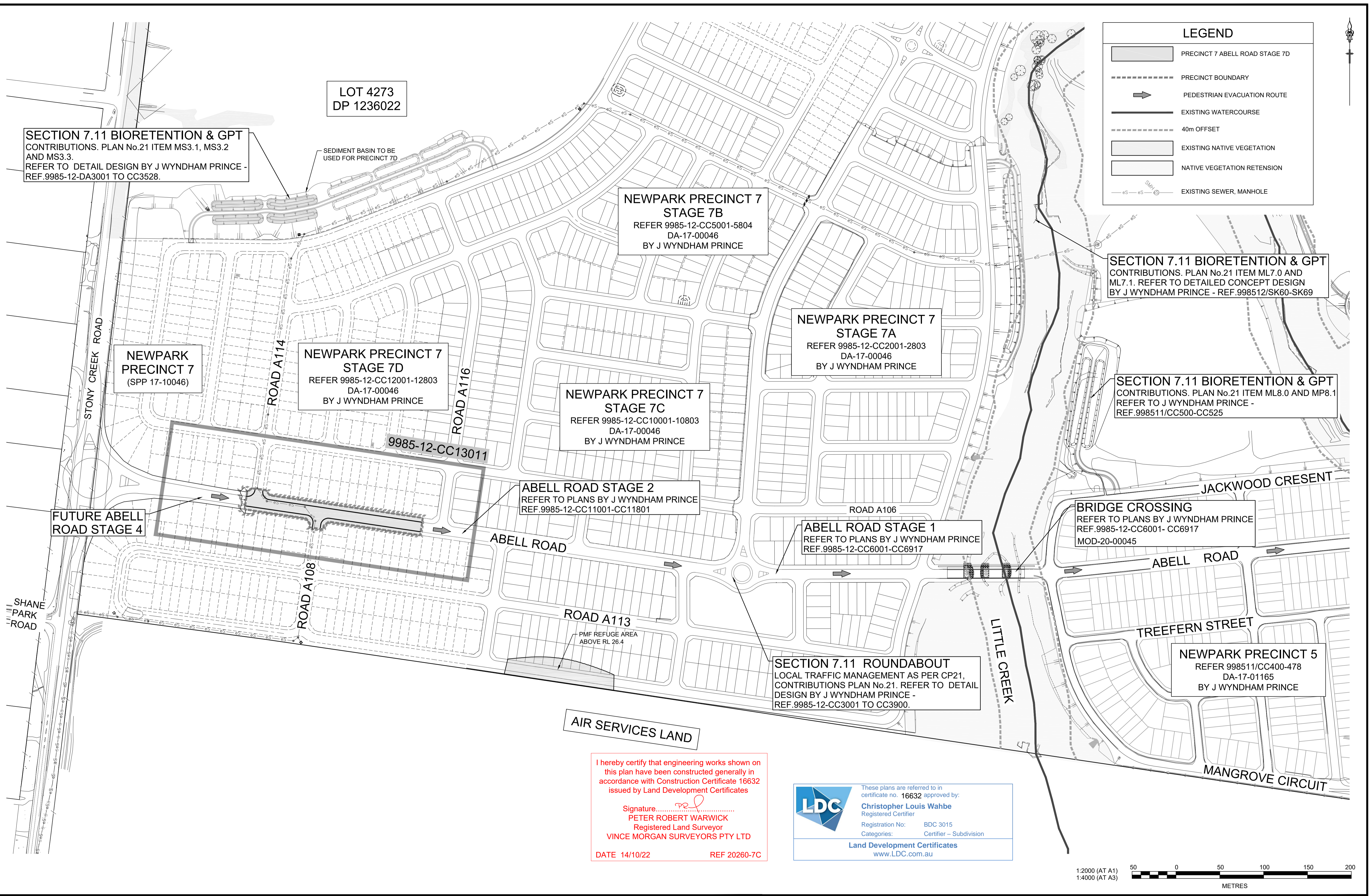
NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
 COVER SHEET

PROJECT No: **9985-12**
 SHEET No: **CC13001**

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13001

A

Plotted: 14 September, 2021 2:08:07 PM File Name: J:\9985D\CC - Construction Certificate Approval Plans\K12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13003.dwg



LEGEND

- PRECINCT 7 ABELL ROAD STAGE 7D
- PRECINCT BOUNDARY
- PEDESTRIAN EVACUATION ROUTE
- EXISTING WATERCOURSE
- 40m OFFSET
- EXISTING NATIVE VEGETATION
- NATIVE VEGETATION RETENTION
- EXISTING SEWER, MANHOLE

SECTION 7.11 BIORETENTION & GPT CONTRIBUTIONS. PLAN No.21 ITEM MS3.1, MS3.2 AND MS3.3. REFER TO DETAIL DESIGN BY J WYNDHAM PRINCE - REF.9985-12-DA3001 TO CC3528.

LOT 4273
DP 1236022

SEDIMENT BASIN TO BE USED FOR PRECINCT 7D

NEWPARK PRECINCT 7
STAGE 7B
REFER 9985-12-CC5001-5804
DA-17-00046
BY J WYNDHAM PRINCE

NEWPARK PRECINCT 7
STAGE 7A
REFER 9985-12-CC2001-2803
DA-17-00046
BY J WYNDHAM PRINCE

NEWPARK PRECINCT 7
(SPP 17-10046)

NEWPARK PRECINCT 7
STAGE 7D
REFER 9985-12-CC12001-12803
DA-17-00046
BY J WYNDHAM PRINCE

NEWPARK PRECINCT 7
STAGE 7C
REFER 9985-12-CC10001-10803
DA-17-00046
BY J WYNDHAM PRINCE

SECTION 7.11 BIORETENTION & GPT CONTRIBUTIONS. PLAN No.21 ITEM ML7.0 AND ML7.1. REFER TO DETAILED CONCEPT DESIGN BY J WYNDHAM PRINCE - REF.998512/SK60-SK69

SECTION 7.11 BIORETENTION & GPT CONTRIBUTIONS. PLAN No.21 ITEM ML8.0 AND MP8.1 REFER TO J WYNDHAM PRINCE - REF.998511/CC500-CC525

ABELL ROAD STAGE 2
REFER TO PLANS BY J WYNDHAM PRINCE
REF.9985-12-CC11001-CC11801

FUTURE ABELL ROAD STAGE 4

ABELL ROAD STAGE 1
REFER TO PLANS BY J WYNDHAM PRINCE
REF.9985-12-CC6001-CC6917

BRIDGE CROSSING
REFER TO PLANS BY J WYNDHAM PRINCE
REF.9985-12-CC6001- CC6917
MOD-20-00045

ROAD A113
PMF REFUGE AREA
ABOVE RL 26.4

SECTION 7.11 ROUNDABOUT
LOCAL TRAFFIC MANAGEMENT AS PER CP21,
CONTRIBUTIONS PLAN No.21. REFER TO DETAIL
DESIGN BY J WYNDHAM PRINCE -
REF.9985-12-CC3001 TO CC3900.

NEWPARK PRECINCT 5
REFER 998511/CC400-478
DA-17-01165
BY J WYNDHAM PRINCE

AIR SERVICES LAND

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature:
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD

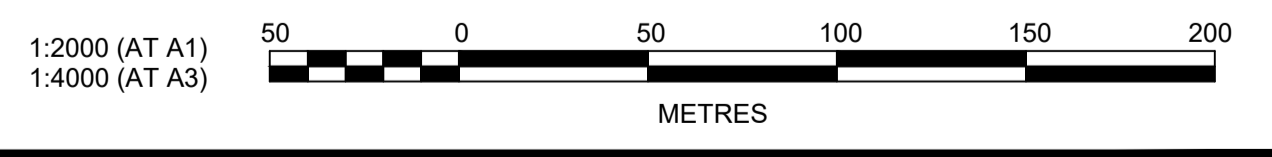
DATE 14/10/22 REF 20260-7C

These plans are referred to in certificate no. 16632 approved by:

Christopher Louis Wahbe
Registered Certifier

Registration No: BDC 3015
Categories: Certifier - Subdivision

Land Development Certificates
www.LDC.com.au



NO.	DESCRIPTION	DESIGNER	DATE
1	ISSUE FOR SWC APPROVAL	DG/KE	11/08/21
2	AMENDMENT	DES	
3		DRN	
4		CKD	
5		APR	

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

WINTEN PROPERTY GROUP

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

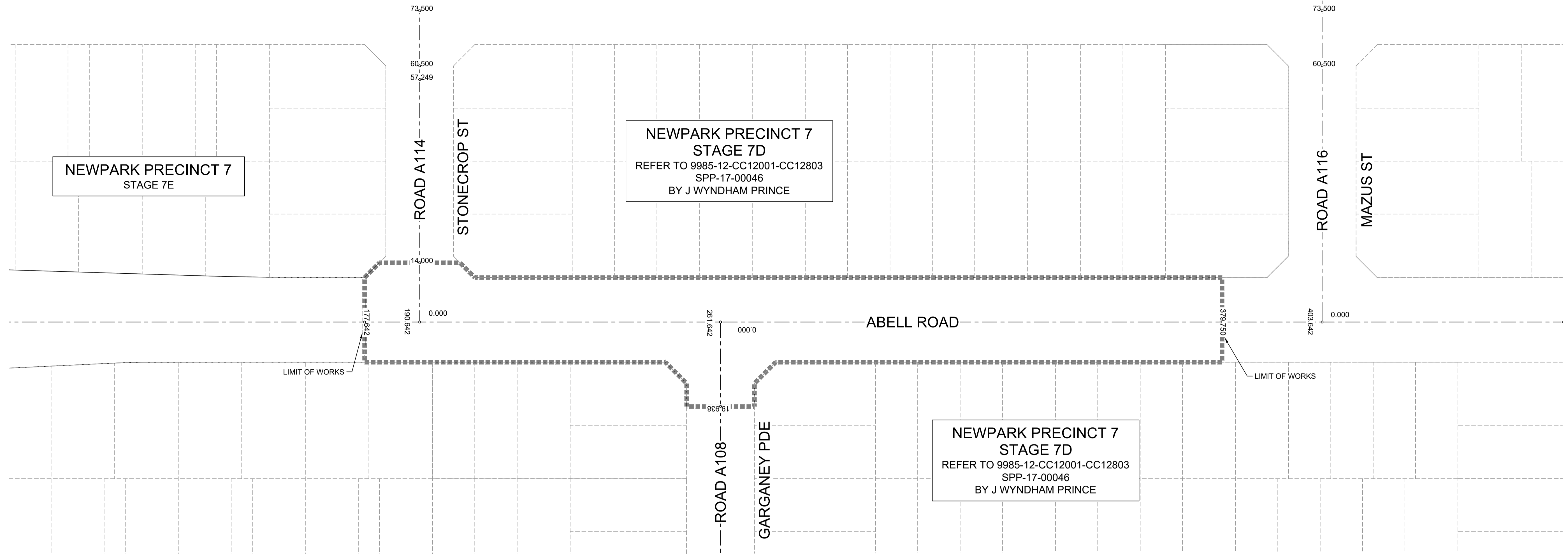
NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
OVERALL SITE PLAN

PROJECT No: 9985-12
SHEET No: CC13003

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13003

A

Plotted: 14 September, 2021 2:08:50 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7D\9985-12-CC13004.dwg



ABELL ROAD					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	294738.84	6268755.42	98°24'49.72"		
712.07	295443.25	6268651.23	98°24'49.72"		
749.47	295480.32	6268645.75		-500	74.81
786.87	295517.79	6268645.85	89°50'30.18"		
1082.23	295813.15	6268646.67	89°50'30.18"		
1107.62	295838.55	6268646.74		-500	50.77
1133	295863.82	6268649.38	84°01'28.02"		
1207.66	295938.07	6268657.15	84°01'28.02"		

NOTE: LIMIT OF WORKS CH177.642 TO CH379.750

Road A108 (GARGANEY PDE)					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	294997.67	6268717.14	188°24'49.73"		
123.25	294979.63	6268595.22	188°24'49.73"		
138.97	294976.7	6268575.39		-20	31.46
154.7	294996.53	6268572.5	98°18'00.18"		
322.78	295162.86	6268548.24	98°18'00.18"		
323.63	295163.69	6268548.11		500	1.7
324.48	295164.53	6268547.99	98°29'40.23"		
592.95	295430.06	6268508.33	98°29'40.23"		
595.48	295432.56	6268507.96		-500	5.07
598.02	295435.07	6268507.61	97°54'49.75"		
798.15	295633.3	6268480.05	97°54'49.75"		
815.6	295656.89	6268476.77		-20	34.89
833.04	295656.04	6268500.57	357°58'00.63"		
855.82	295655.24	6268523.33	357°58'00.63"		
894.74	295653.84	6268562.65		218.4	77.85
933.67	295666.25	6268599.99	18°23'26.03"		
1057.54	295705.33	6268717.53	18°23'26.03"		
1062.55	295708.91	6268722.29		-391.6	10.01
1067.56	295708.37	6268727.08	16°55'31.02"		
1176.64	295740.13	6268831.43	16°55'31.02"		
1261.2	295765.03	6268913.27		-457.6	169.12
1345.76	295758.69	6268998.57	355°44'59.35"		
1481.34	295748.64	6269133.78	355°44'59.35"		
1555.93	295742.97	6269210.08		272.4	149.18
1630.52	295777.86	6269278.17	27°07'40.09"		
1935.32	295916.84	6269549.44	27°07'40.09"		
1951.78	295926.67	6269558.63		-20	32.92
1968.24	295906.8	6269577	292°49'04.85"		
2043.56	295837.37	6269606.2	292°49'04.85"		

NOTE: LIMIT OF WORKS CH0.000 TO CH19.938

Road A114 (STONECROP ST)			
CHAINAGE	EASTING	NORTHING	BEARING
0	294927.43	6268727.52	8°24'49.73"
295.92	294970.73	6269020.26	8°24'49.73"

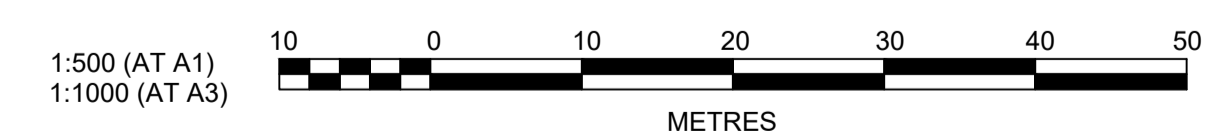
NOTE: LIMIT OF WORKS CH0.000 TO CH14.000

NOTES:

- SSM & CONTROLS TO BE PROVIDED AT CONSTRUCTION STAGE BY VINCE MORGAN SURVEYORS.
- REFER TO CC6902 FOR BRIDGE CROSSING SETOUT

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates
 Signature:
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD
 DATE 14/10/22 REF 20260-7C

These plans are referred to in certificate no. **16632** approved by:
Christopher Louis Wahbe
 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision
Land Development Certificates
www.LDC.com.au



NO.	DESCRIPTION	DATE	BY	CHECKED	DATE
A	ISSUE FOR SWC APPROVAL	11/08/21	MS	JC	
	AMENDMENT		APR	CKD	

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
 PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

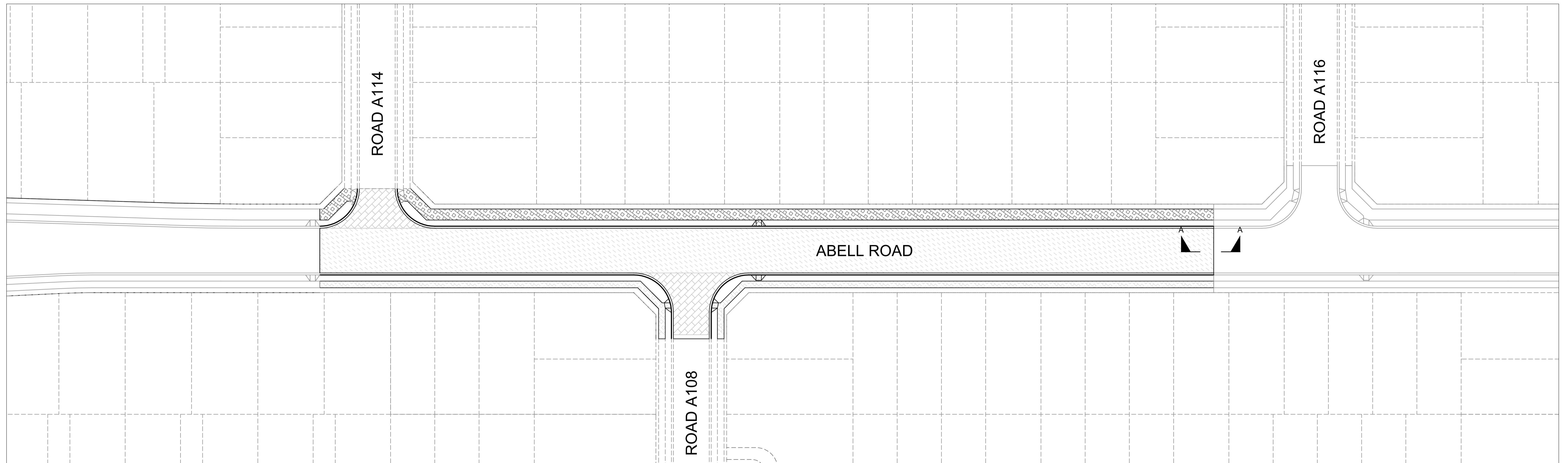
CLIENT:

WINTAN PROPERTY GROUP

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 SETOUT PLAN
 AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13004**

PROJECT No: **9985-12**
 SHEET No: **CC13004**
 A



LEGEND

PAVEMENT DESIGN (REFER TO REPORT BY GEOTECH TESTING
PTY LTD (Ref: 8581/5-AA) DATED 12 MARCH 2020

PAVEMENT TYPE 1 (COLLECTOR ROAD) ESA 1x10⁶
 AC10 (mm) = 2x25
 TACK SEAL = 150
 BASE COURSE - DGB20 (mm) = 300
 SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 500
 TOTAL (mm) = 500

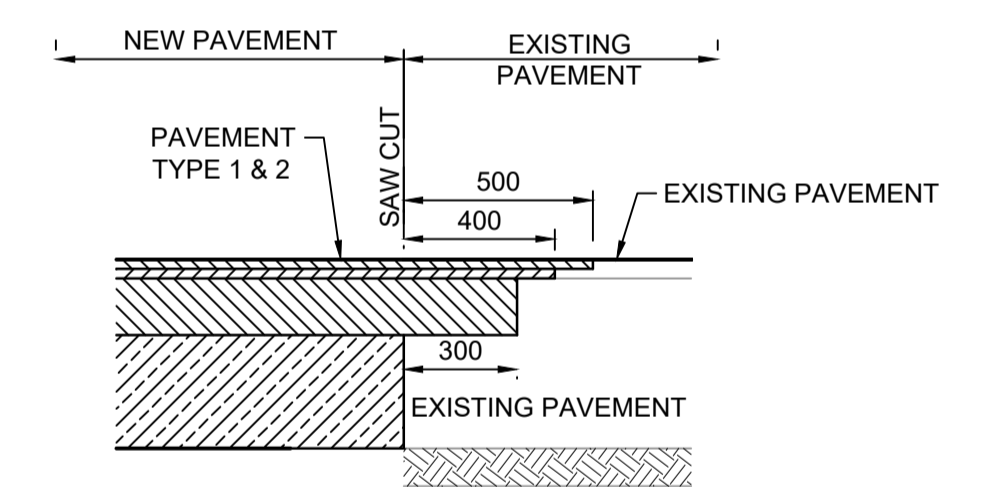
PAVEMENT TYPE 2 (LOCAL + BOUNDARY ROADS) ESA 5x10⁵
 AC10 (mm) = 2x25
 TACK SEAL = 150
 BASE COURSE - DGB20 (mm) = 270
 SUB-BASE COURSE - CRUSHED SANDSTONE (mm) = 470
 TOTAL (mm) = 470

PAVEMENT TYPE 3 (FOOTPATH)
 CONCRETE 125mm TO BLACKTOWN CITY COUNCIL
 "PATH PAVING POLICY 2009"

PAVEMENT TYPE 4 (SHARED PATH)
 CONCRETE 125mm WITH SL82 MESH TO BLACKTOWN
 CITY COUNCIL "PATH PAVING POLICY 2009"

PAVEMENT NOTES:

1. PAVEMENT DESIGN FOR CONTROLLED FILL TO HAVE A DESIGN CBR OF 4%. ALTERNATIVELY, EXISTING SUBGRADE CAN BE TREATED. REFER TO PAVEMENT DESIGN REPORT BY GEOTECHNICAL ENGINEER FOR TREATMENT DETAILS.
2. THE PAVEMENT DESIGN IS PRELIMINARY ONLY AND SUBJECT TO CONFIRMATION VIA ON-SITE CBR TESTING PRIOR TO IMPORTATION AND PLACEMENT OF ROAD PAVEMENT MATERIALS.



DETAIL 'A'
 INTERFACE BETWEEN NEW PAVEMENT AND EXISTING FLEXIBLE PAVEMENTS
 SCALE 1:20

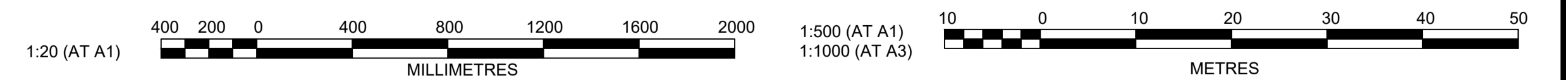
I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature *PR*
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

These plans are referred to in certificate no. **16632** approved by:

LDC
Christopher Louis Wahbe
 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision
 Land Development Certificates
 www.LDC.com.au



Plotted: 14 September, 2021 2:09:32 PM File Name: J:\9985\DWG - Construction Certificate Approval Plans\PK12\WESTERN PRECINCTS\13 - Abell Road Precinct\7D\9985-12-CC13005.dwg

A	ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21	
	AMENDMENT	DES	DRN	CKD	APR	DATE	

J. WYNDHAM PRINCE
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 PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:
WINTEN PROPERTY GROUP

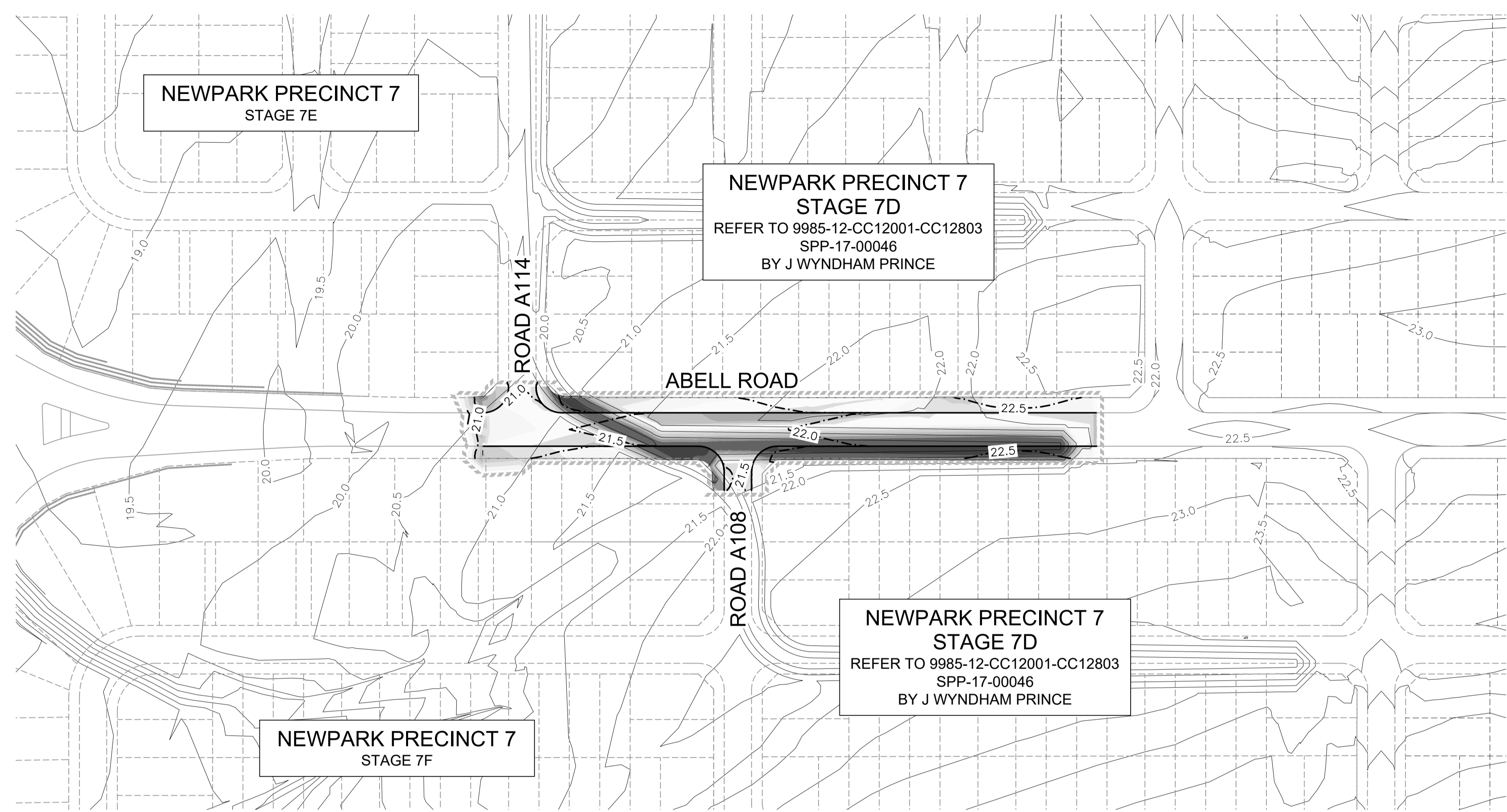
STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**
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NEWPARK
 PRECINCT 7 ABELL ROAD STAGE 3
 PAVEMENT PLAN

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13005

PROJECT No: **9985-12**
 SHEET No: **CC13005**

A



EXISTING AND DESIGN CONTOURS ADDED

CUT FILL RANGE LEGEND

Lower_value	Upper_value	Colour
-1.5	to -1	m
-1	to -0.8	m
-0.8	to -0.6	m
-0.6	to -0.4	m
-0.4	to -0.2	m
-0.2	to 0	m
0.0	to 0.2	m
0.2	to 0.4	m
0.4	to 0.6	m
0.6	to 0.8	m
0.8	to 1	m
1	to 1.5	m
1.5	to 2	m
2	to 2.5	m
2.5	to 8	m

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature.....
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

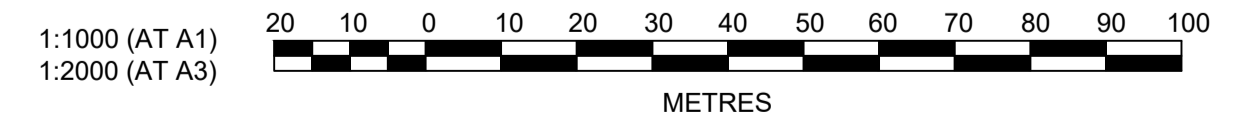
DATE 14/10/22 REF 20260-7C

LDC

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 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision

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NOTE:
 CUT FILL TAKEN FROM EXISTING & BOXING DESIGN SURFACE TO EXISTING SURFACE (NO BULKING FACTORS)



Plotted: 14 September, 2021 2:14:19 PM File Name: J:\9985D\CC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13010.dwg

B	CONTOURS ADDED	DG/KE	JM	JC	PJM	14/09/21
A	ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21
	AMENDMENT	DES	DRN	CKD	APR	DATE

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

W WINTEN PROPERTY GROUP

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 CUT & FILL PLAN

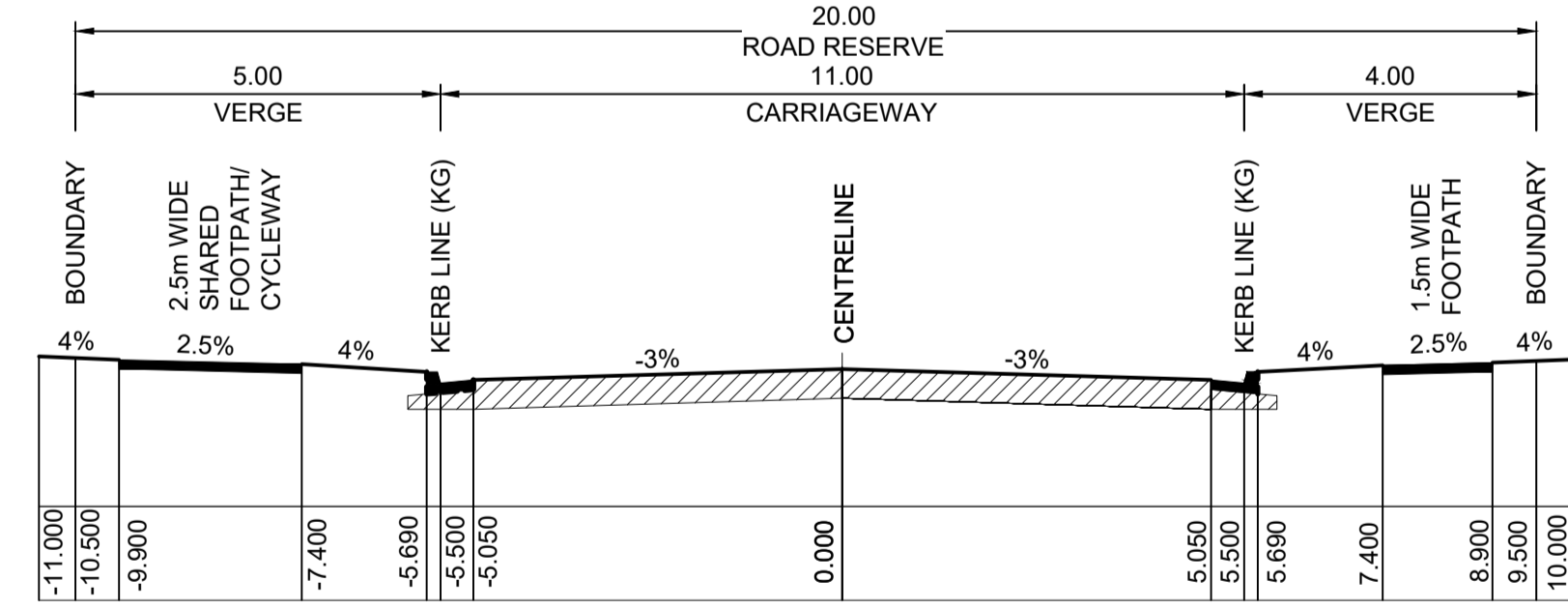
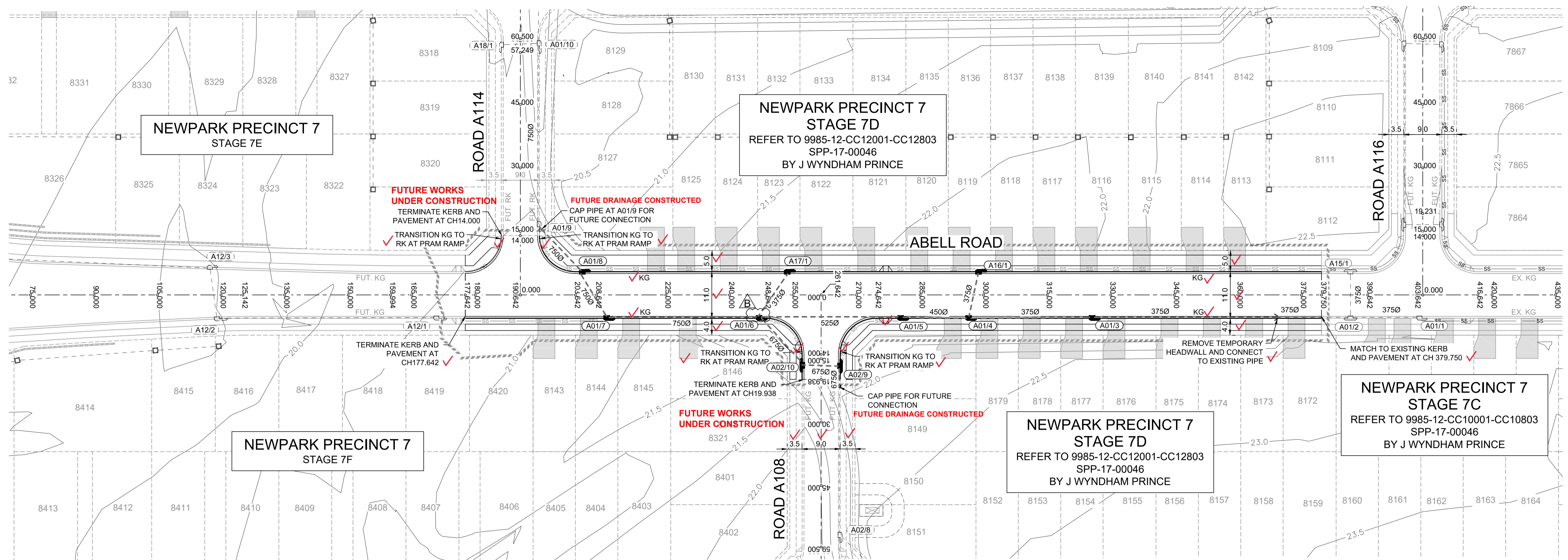
PROJECT No: **9985-12**
 SHEET No: **CC13010**

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13010**

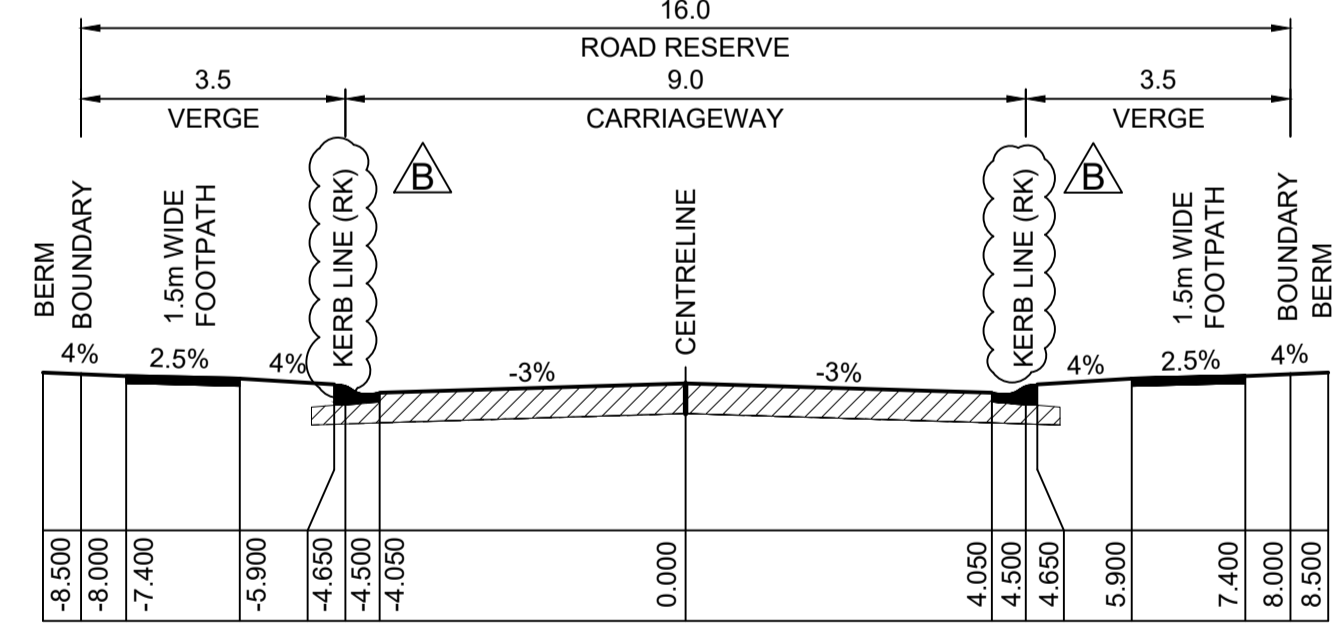
PROJECT No: **9985-12**
 SHEET No: **CC13010**

B


Plotted: 14 September, 2021 2:17:16 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13011.dwg



TYPE 1 - ABELL ROAD
 CH 177.642 TO CH 379.750
 1:100 NATURAL



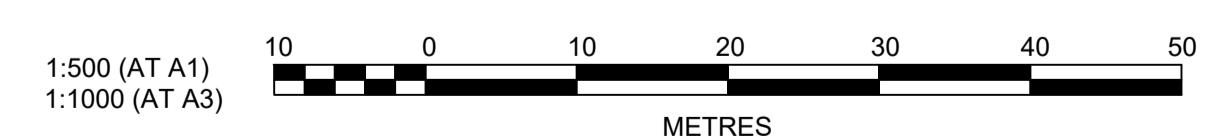
TYPE 4 - LOCAL ROAD
 ROAD A108 (CH0.000 TO CH19.983)
 ROAD A114 (CH0.000 TO CH14.000)
 1:100 NATURAL

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates
 Signature: 
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD
 DATE 14/10/22 REF 20260-7C

NOTE:
 STANDARD RESIDENTIAL LAYBACKS ARE TO BE CUT INTO THE KERB ON GUTTER. REFER TO BLACKTOWN CITY COUNCIL STANDARD DRAWING A(BS) 101M AND A(BS)102S FOR DETAILS.

REFER TO SIGNAGE AND LINEMARKING PLAN 9985-12-CC3801 FOR LOCATION OF CONCRETE BARRIERS AND STREET SIGNS.


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Christopher Louis Wahbe
 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision
Land Development Certificates
 www.LDC.com.au



AMENDMENT	DES	DRN	CKD	APR	DATE
B LOCAL ROAD SECTION AMENDED. PIT A01/6 ORIENTATION AMENDED	DG/KE	JM	JC	PJM	14/09/21
A ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
 PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

WINTER PROPERTY GROUP


STATUS:
ISSUE FOR CONSTRUCTION APPROVAL
 THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK PRECINCT 7 ABELL ROAD STAGE 3
 ENGINEERING PLAN & TYPICAL SECTIONS
 PROJECT No: **9985-12**
 SHEET No: **CC13011**
 AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13011**

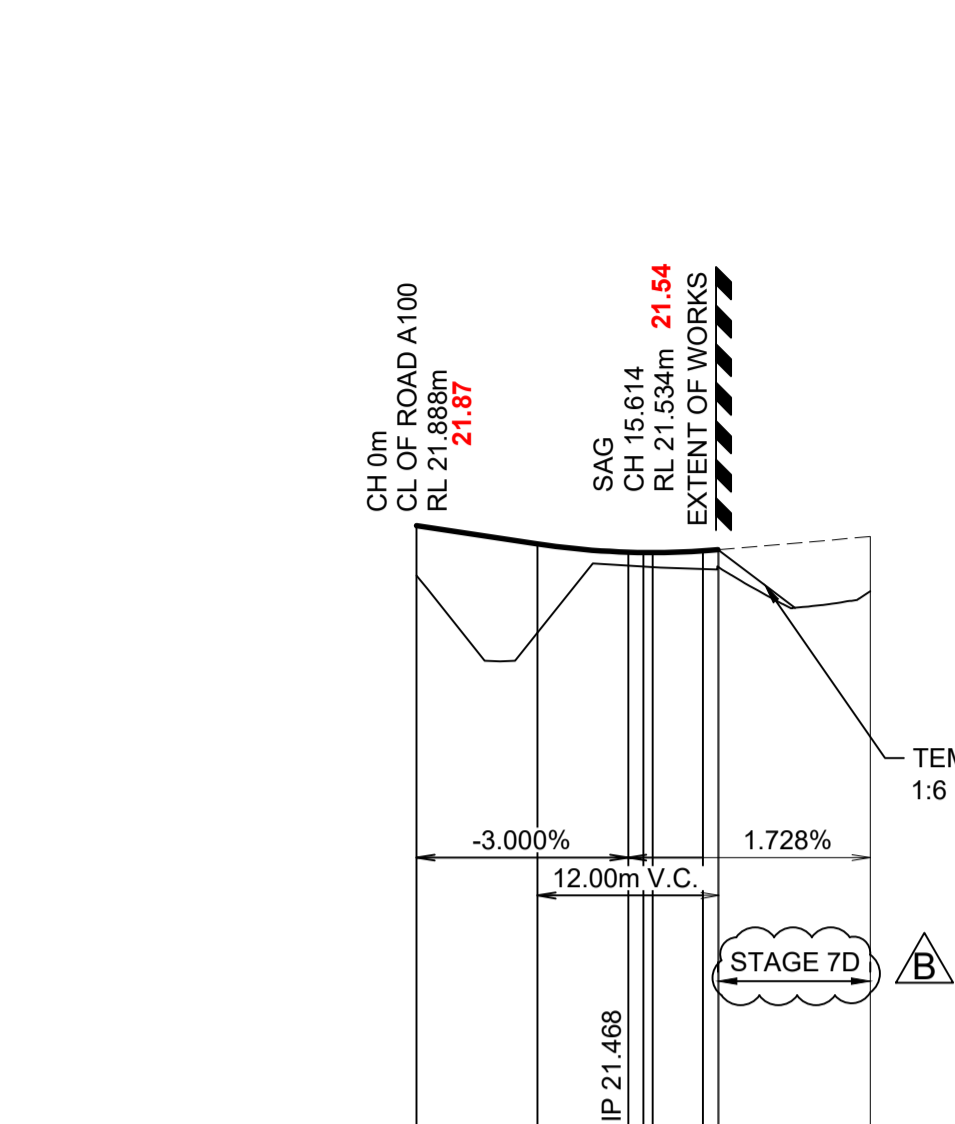
B

LDC
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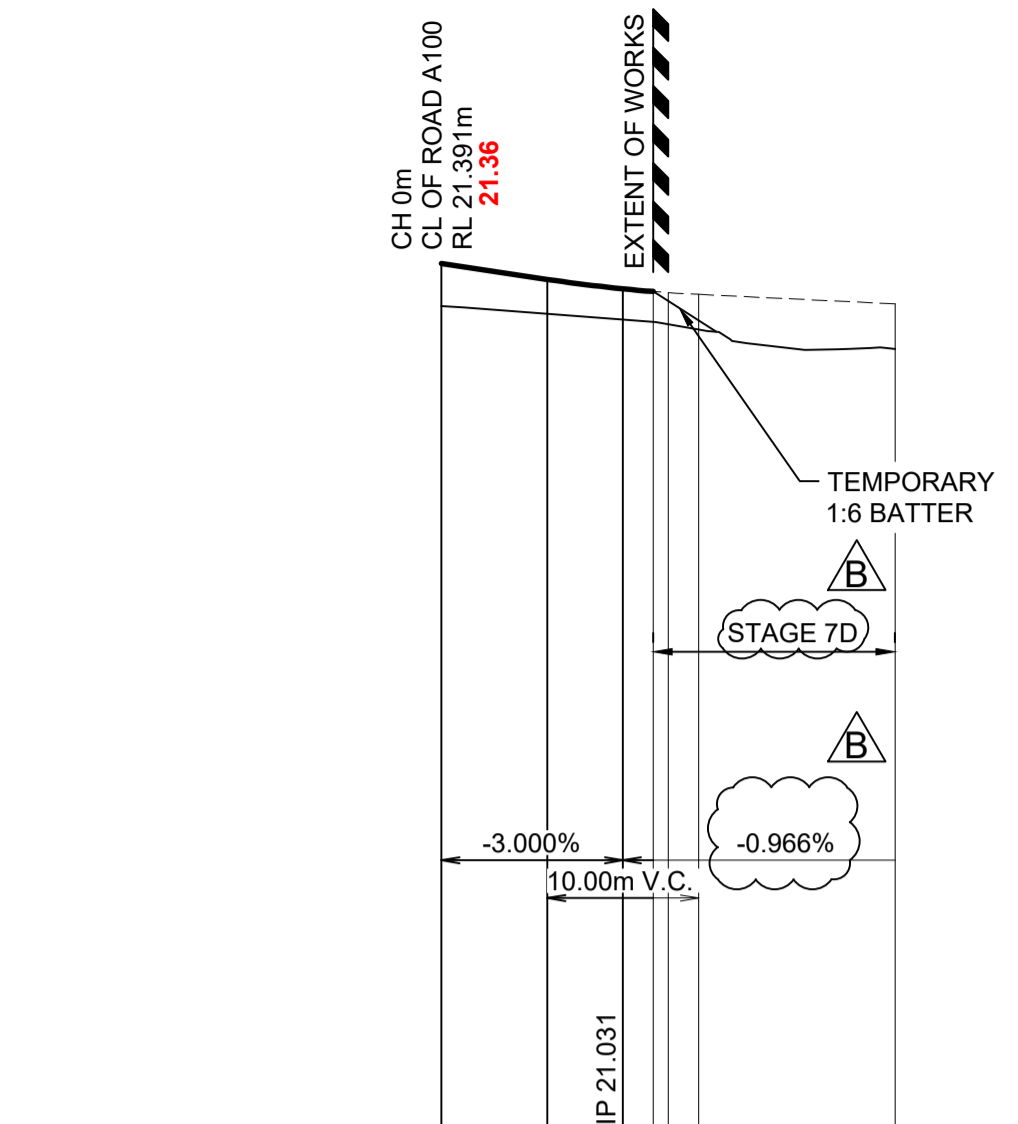
Signature: 
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C



DATUM 13.0

WAE	21.87	21.87	21.55	21.55	21.54	21.55	21.56	21.73
DESIGN LINE GRADING	21.888	21.648	21.539	21.535	21.534	21.534	21.556	21.745
EXISTING SURFACE	21.231	20.476	21.362	21.539	21.534	21.534	21.571	21.745
CHAINAGE	0.000	8.000	14.000	15.000	15.614	18.940	19.938	30.000

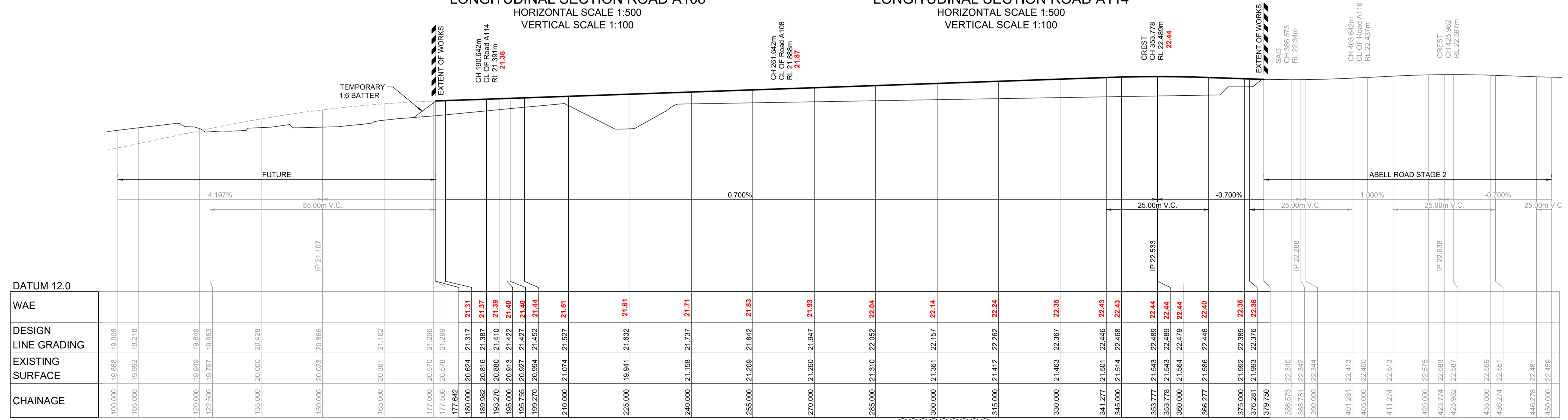


DATUM 7.0

WAE	21.36	21.19	21.05	21.05	21.06	21.06	21.06
DESIGN LINE GRADING	21.391	21.181	21.067	21.021	21.021	20.983	20.857
EXISTING SURFACE	20.829	20.726	20.651	20.621	20.621	20.519	20.261
CHAINAGE	0.000	7.000	12.000	14.000	15.000	17.000	30.000

LONGITUDINAL SECTION ROAD A108
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:100

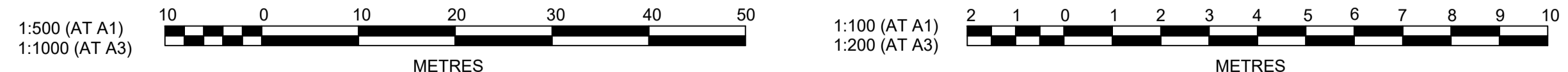
LONGITUDINAL SECTION ROAD A114
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:100



DATUM 12.0

WAE	21.31	21.37	21.39	21.40	21.44	21.51	21.61	21.71	21.83	21.93	22.04	22.14	22.24	22.35	22.43	22.44	22.44	22.44	22.40	22.36	22.36	22.340	22.342	22.344	22.413	22.450	22.513	22.575	22.583	22.587	22.559	22.551	22.481	22.459		
DESIGN LINE GRADING	21.317	21.387	21.410	21.422	21.440	21.527	21.632	21.737	21.842	21.947	22.052	22.157	22.262	22.367	22.446	22.468	22.468	22.468	22.446	22.395	22.376	22.340	22.342	22.344	22.413	22.450	22.513	22.575	22.583	22.587	22.559	22.551	22.481	22.459		
EXISTING SURFACE	20.624	20.816	20.880	20.913	20.927	21.074	20.941	21.158	21.260	21.361	21.463	21.564	21.664	21.764	21.501	21.514	21.514	21.514	21.514	21.993	21.993	22.340	22.342	22.344	22.413	22.450	22.513	22.575	22.583	22.587	22.559	22.551	22.481	22.459		
CHAINAGE	180.000	189.982	193.270	195.000	195.755	210.000	225.000	240.000	255.000	270.000	285.000	300.000	315.000	330.000	341.277	345.000	353.777	353.778	360.000	366.277	375.000	376.281	379.750	386.573	388.781	390.000	401.281	405.000	411.274	420.000	423.774	425.982	435.000	436.274	446.278	450.000

LONGITUDINAL SECTION ROAD A100 (ABELL ROAD)
 HORIZONTAL SCALE 1:500
 VERTICAL SCALE 1:100



Plotted: 14 September, 2021 2:17:54 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCT\13 - Abell Road Precinct ZD\9985-12-CC13101.dwg

DES	DRN	CKD	APR	DATE	
B	DG/KE	JM	JC	PJM	14/09/21
A	DG/KE	JM	JC	MS	11/08/21
AMENDMENT					

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:
 **WINTEN PROPERTY GROUP**

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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NEWPARK
 PRECINCT 7 ABELL ROAD STAGE 3
 ROAD LONGITUDINAL PLAN

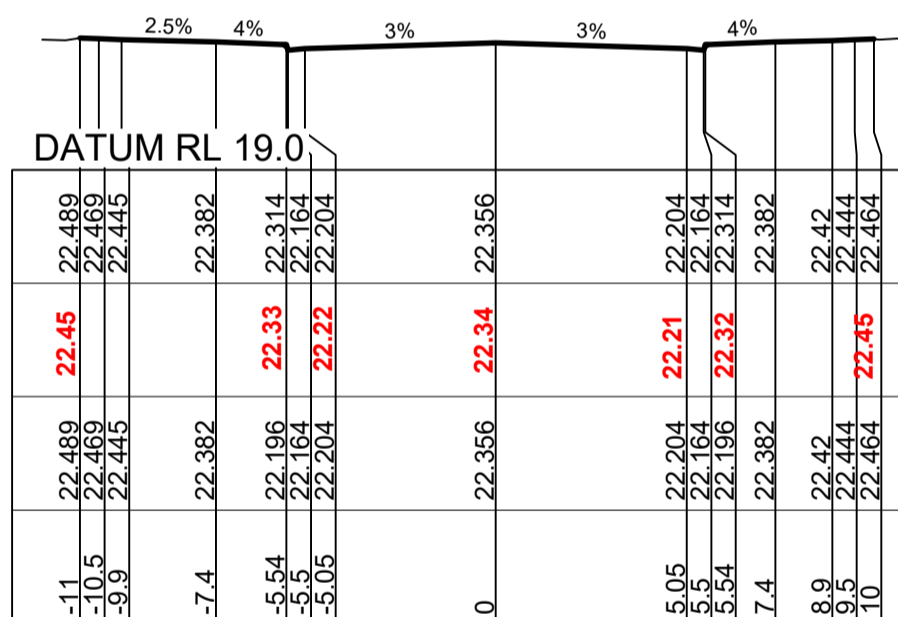
AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13101

PROJECT No: **9985-12**
 SHEET No: **CC13101**

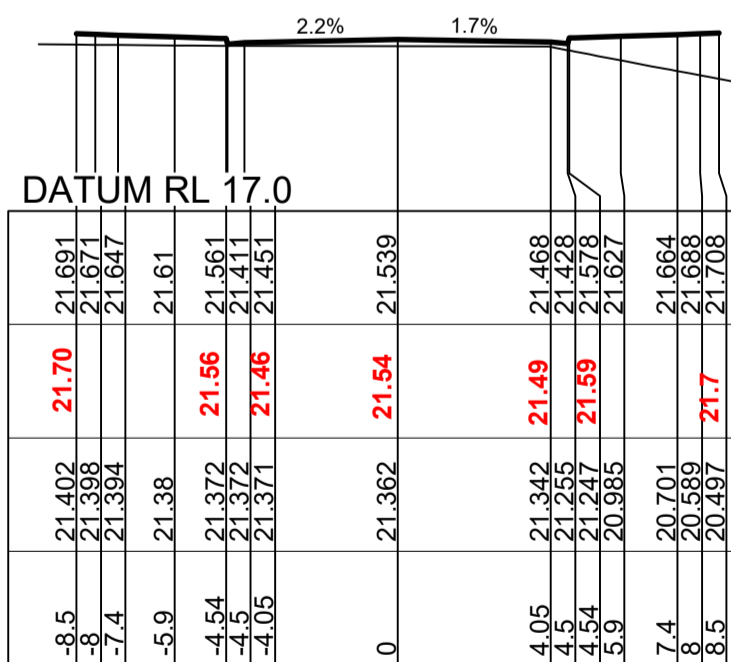
- REFER TO NEWPARK PRECINCT 7A
BY J WYNDHAM PRINCE.
REF 998512/CC2011 TO CC2014
FOR LOT REGRADE

DESIGN SURFACE LEVEL	WAE	EXISTING SURFACE LEVEL	OFFSET
22.518	22.40	22.384	-11
22.488		22.319	-10.5
22.468		22.288	-9.9
22.445			
22.382		22.22	-7.4
22.314		22.043	-5.64
22.282	22.33	22.163	-5.5
22.254		22.133	-5.05
22.204	22.22	22.059	-5.05
22.382			0
22.356	22.34	22.356	0
22.204	22.21	22.204	5.05
22.164	22.32	22.164	5.5
22.134	22.32	22.134	5.54
22.382		22.382	7.4
22.42		22.42	8.9
22.44		22.44	9.5
22.444		22.444	9.9
22.454	22.45	22.454	10

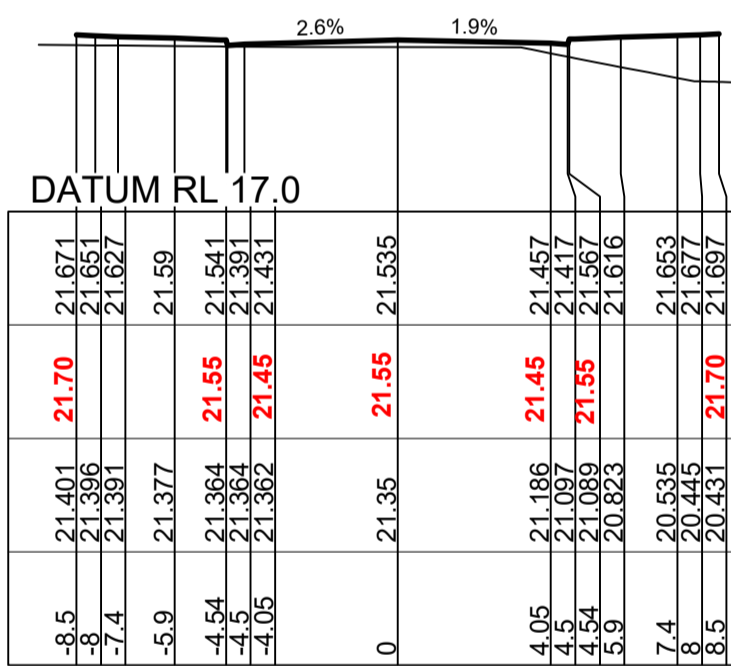
CH 375
ABELL ROAD



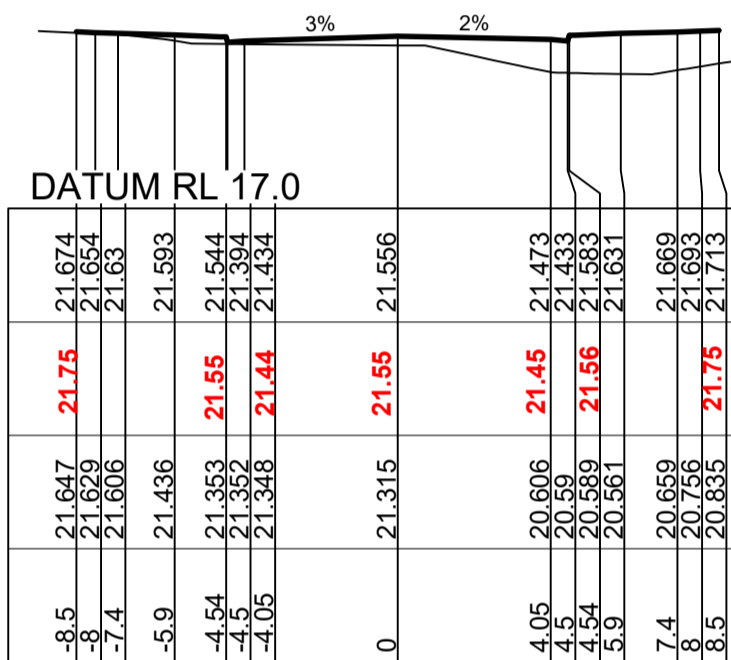
CH 379.75



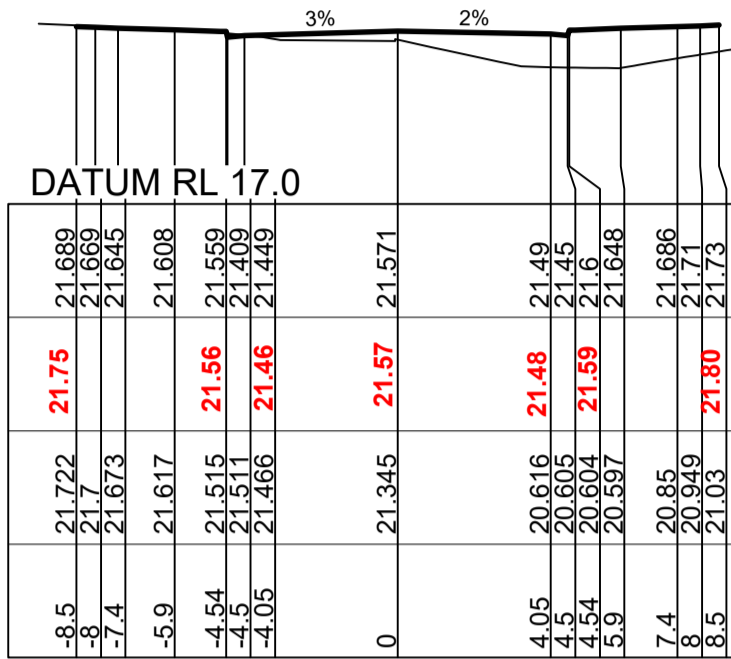
CH 14
ROAD A108



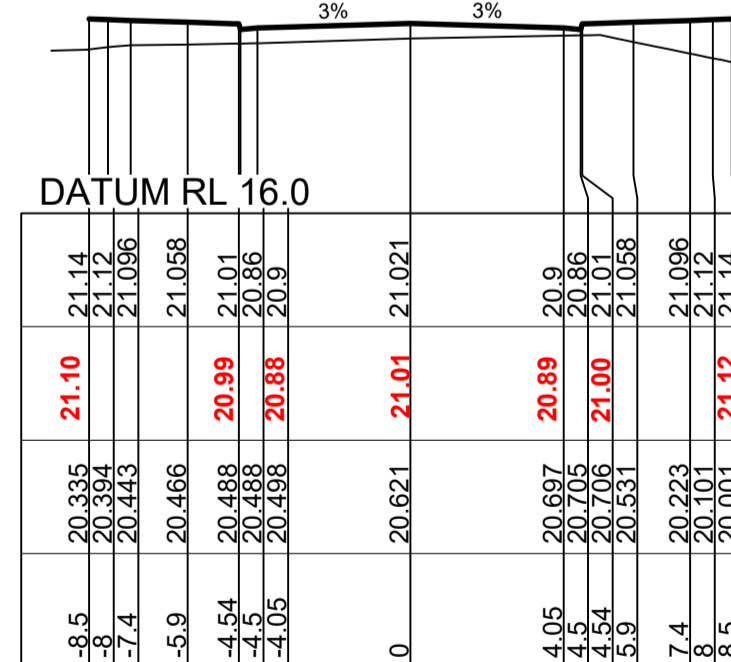
CH 15



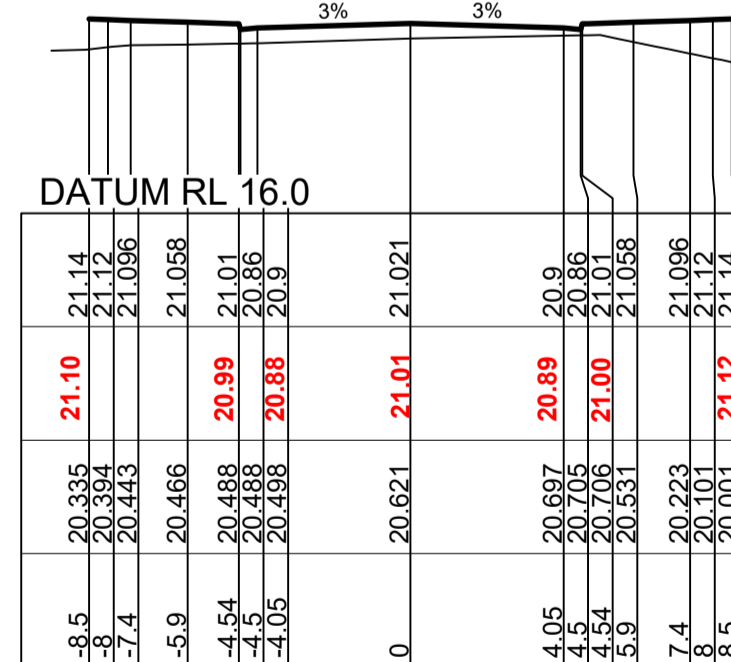
CH 18.94



CH 19.938



CH 14
ROAD A114



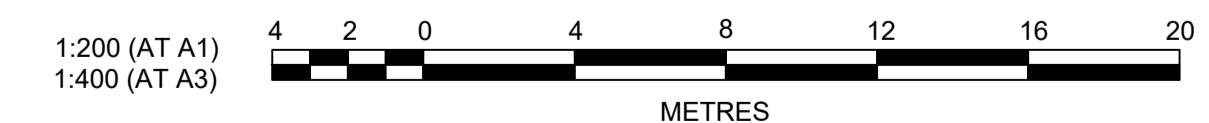
CH 14

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature: *[Signature]*
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

LDC These plans are referred to in certificate no. 16632 approved by:
Registered Certifier
Christopher Louis Wahbe
Registration No: BDC 3015
Categories: Certifier - Subdivision
Land Development Certificates
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Plotted: 14 September, 2021 2:18:38 PM File Name: J:\9985DICC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 -- Abell Road Precinct 7D\9985-12-CC13202.dwg

NO	DESCRIPTION	BY	CHKD	DATE
A	ISSUE FOR SWC APPROVAL	DG/KE	JM	11/08/21
	AMENDMENT	DES	DRN	CKD
		APR		DATE

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:
WINTEN PROPERTY GROUP

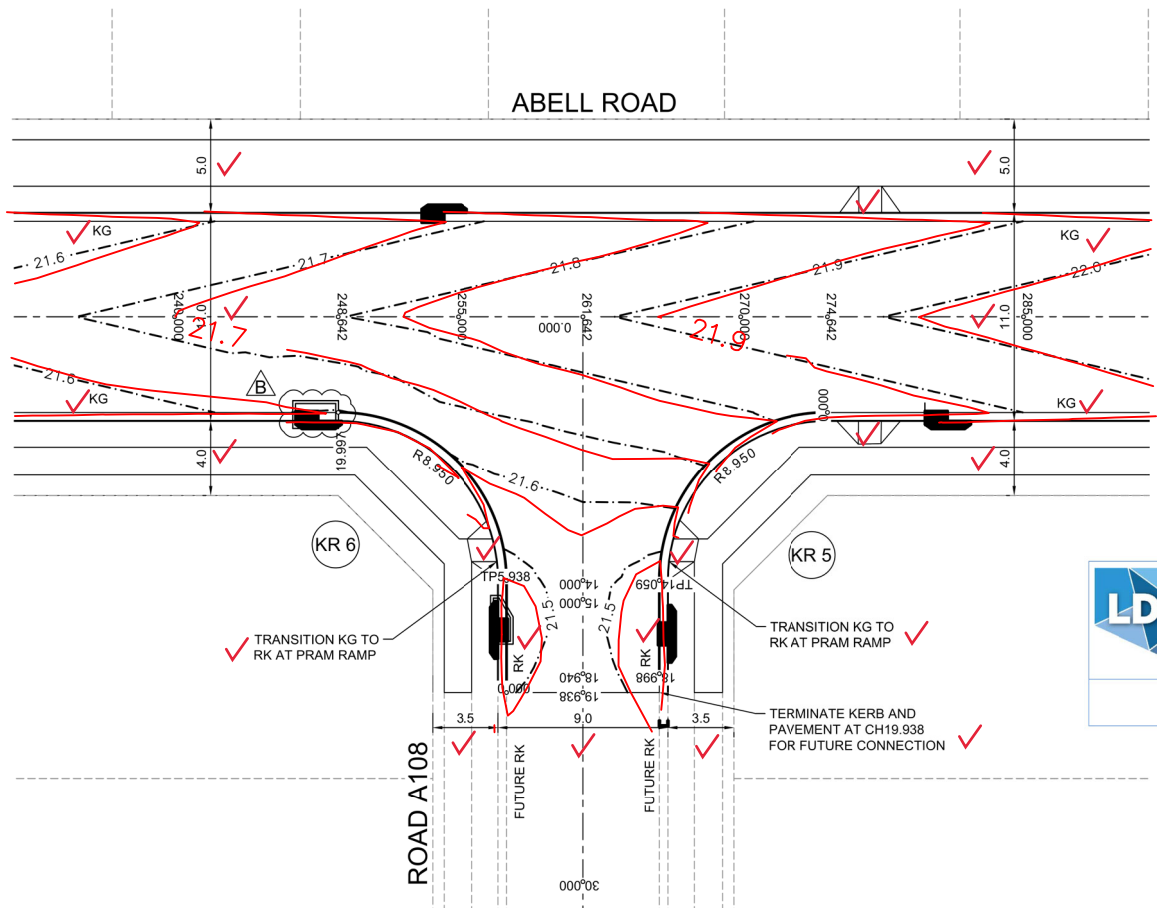
STATUS:
ISSUE FOR CONSTRUCTION APPROVAL

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 ROAD CROSS SECTIONS SHEET 2

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13202

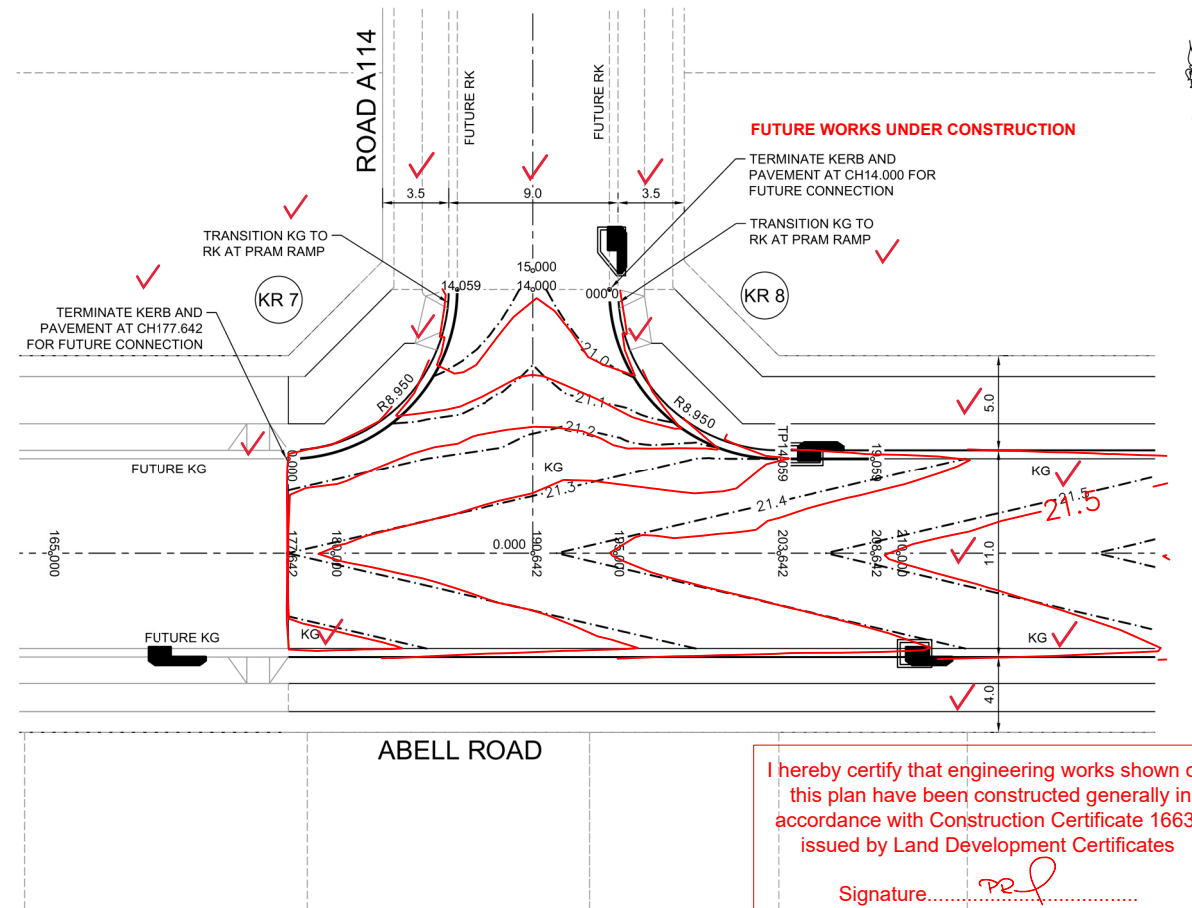
PROJECT No: **9985-12**
SHEET No: **CC13202**



PLAN SCALE 1:200

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 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision
Land Development Certificates
 www.LDC.com.au

DESIGN LEVEL AND SETOUT ARE TO LIP OF GUTTER

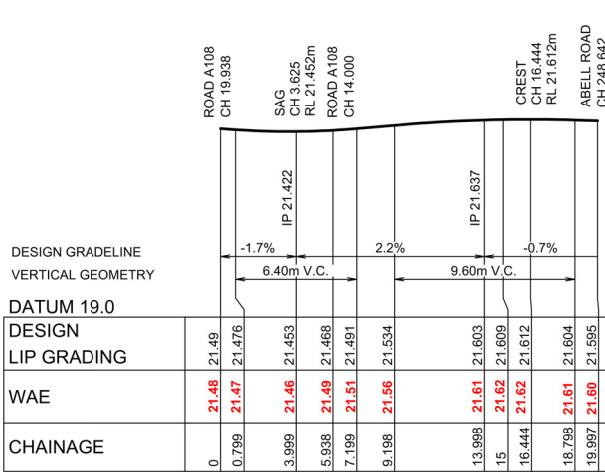


PLAN SCALE 1:200

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

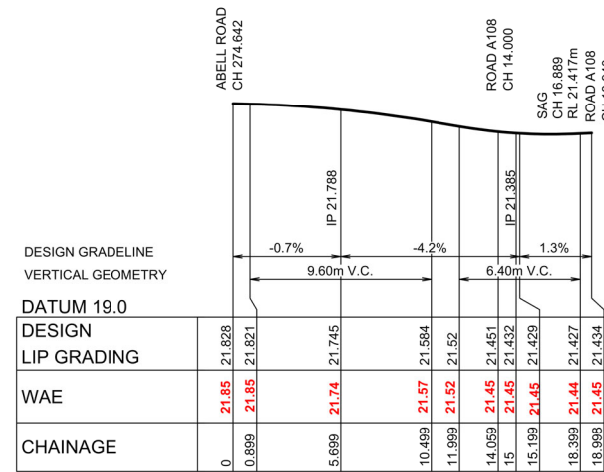
Signature: *Peter Robert Warwick*
PETER ROBERT WARWICK
 Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C



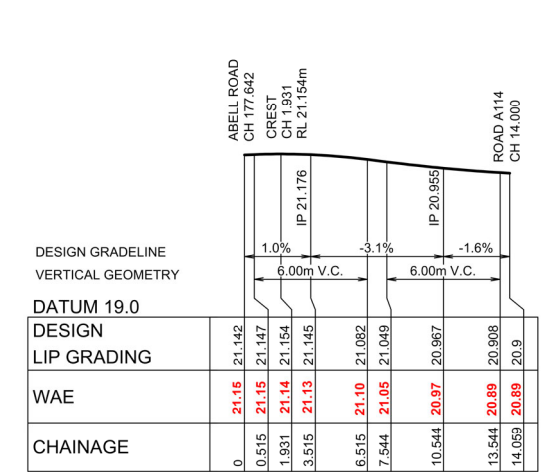
KR 6
 HORIZONTAL SCALE 1:200
 VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	294990.74	6268698	8°24'49.73"		
5.94	294991.61	6268703.88	8°24'49.73"		
12.97	294992.92	6268712.73		-8.95	14.06
20	294994.07	6268714.04	278°24'49.72"		



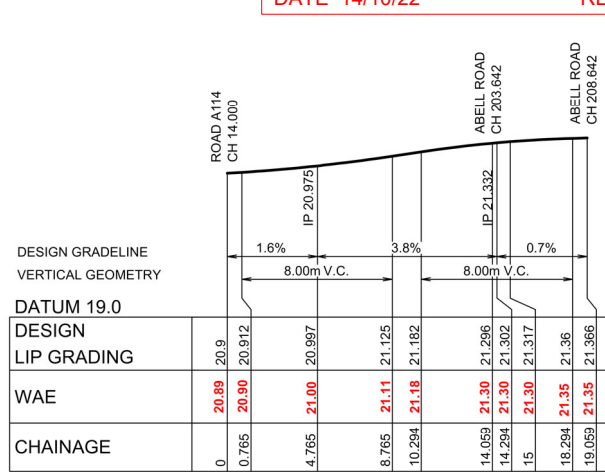
KR 5
 HORIZONTAL SCALE 1:200
 VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	295009.79	6268710.24	278°24'49.72"		
7.03	295000.94	6268711.55		-8.95	14.06
14.06	294999.63	6268702.69	188°24'49.73"		
19	294998.9	6268697.81	188°24'49.73"		



KR 7
 HORIZONTAL SCALE 1:200
 VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	294915.31	6268734.42	98°24'49.72"		
7.03	294924.16	6268733.11		-8.95	14.06
14.06	294925.47	6268741.97	8°24'49.73"		



KR 8
 HORIZONTAL SCALE 1:200
 VERTICAL SCALE 1:50

CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	294933.49	6268740.78	188°24'49.73"		
7.03	294932.18	6268731.93		-8.95	14.06
14.06	294941.03	6268730.62	98°24'49.72"		
19.06	294945.98	6268729.89	98°24'49.72"		



Plotfile: 14 September, 2021 2:21:53 PM File Name: J:\985D\CC - Construction Certificate Approval Plans\PK12-WESTERN PRECINCTS\13 - Abell Road Precinct 7\985-12-CC13301.dwg

DES	DRN	CKD	APR	DATE
B				14/09/21
A				11/08/21

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **WINTEN PROPERTY GROUP**

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

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PROJECT No: **9985-12**
 SHEET No: **CC13301**

PROJECT: **NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 KERB RETURN**

PROJECT No: **9985-12**
 SHEET No: **CC13301**

PROJECT No: **9985-12**
 SHEET No: **CC13301**

PROJECT: **NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 KERB RETURN**


PROJECT No: **9985-12**
 SHEET No: **CC13301**

AZIMUTH: M.G.A 94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13301

LEGEND

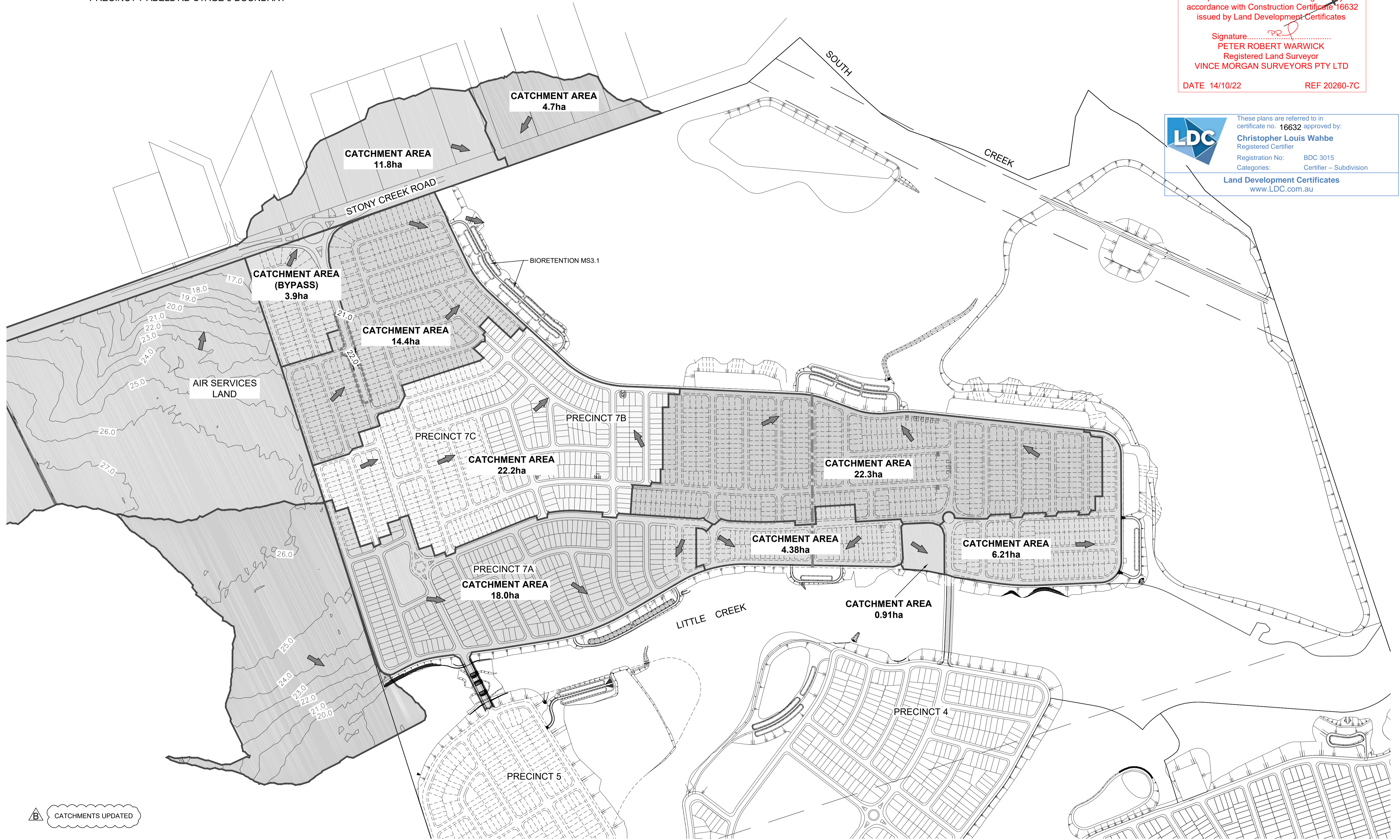
----- PRECINCT 7 ABELL RD STAGE 3 BOUNDARY

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature: 
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

LDC These plans are referred to in certificate no. 16632 approved by:
Christopher Louis Wahbe
 Registered Certifier
 Registration No: BDC 3015
 Categories: Certifier - Subdivision
Land Development Certificates
 www.LDC.com.au



 CATCHMENTS UPDATED

1:4000 (AT A1) 100 0 100 200 300 400
 1:8000 (AT A3) METRES

Plotted: 14 September, 2021 2:25:11 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13400.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
B	DG/KE	JM	JC	PJM	14/09/21
A	DG/KE	JM	JC	MS	11/08/21

J. WYNDHAM PRINCE
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PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:  **WINTIN PROPERTY GROUP**

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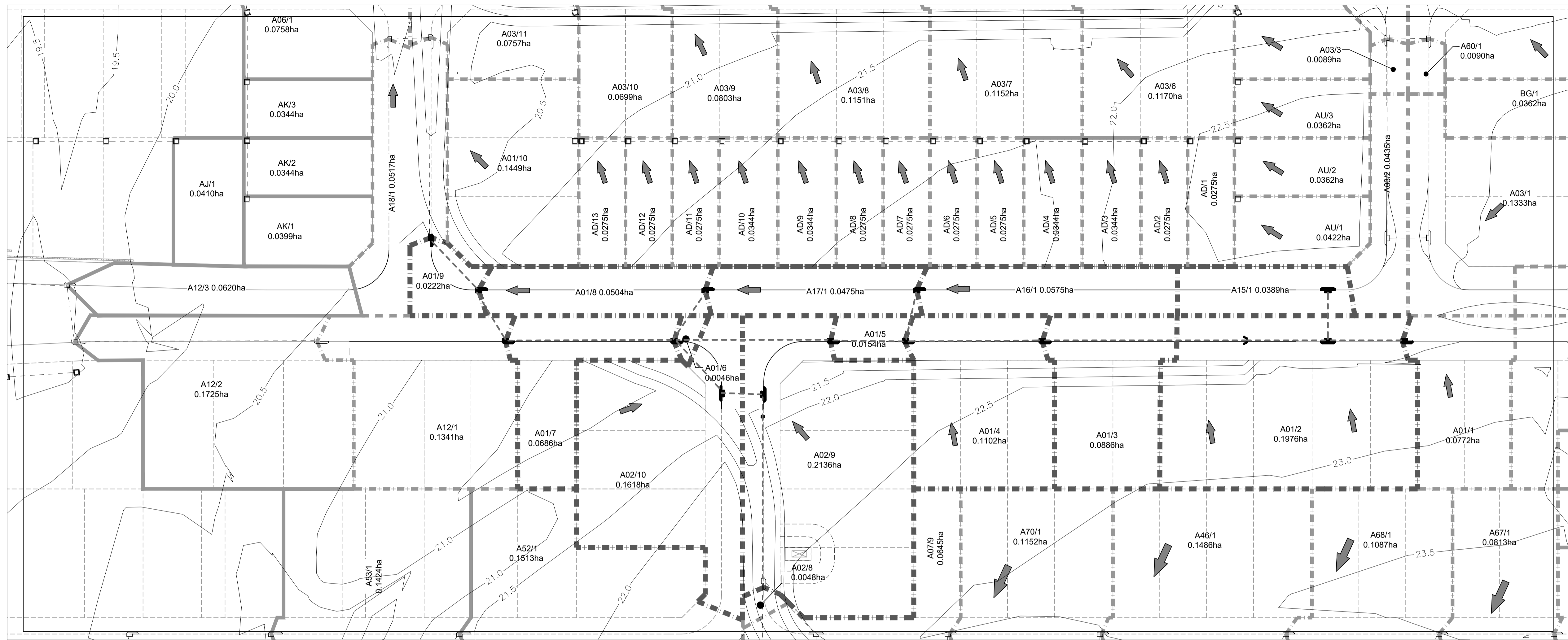
NEWPARK
 PRECINCT 7 ABELL ROAD STAGE 3
 OVERALL CATCHMENT PLAN

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13400

PROJECT No: **9985-12**
 SHEET No: **CC13400**

B

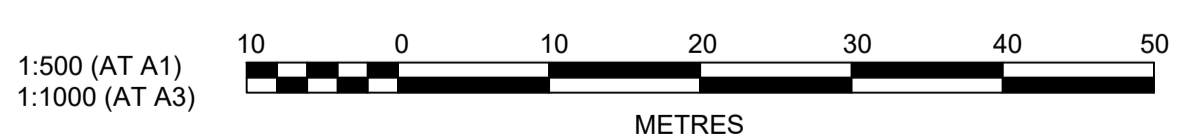
Plotted: 14 September, 2021 2:31:34 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7\9985-12-CC13401.dwg



LEGEND	
CATCHMENT BOUNDARY	— — — — —
FLOW DIRECTION ARROW	➔
EXISTING CONTOURS	— 47.0 —
DESIGN CONTOURS	- - - 47.0 - - -
DRAINAGE LINE & PIT	— — — — —
FUTURE DRAINAGE LINE & PIT	- - - - -

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates
 Signature: *[Signature]*
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD
 DATE 14/10/22 REF 20260-7C

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 Registered Certifier
 Registration No: BDC 3015
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Land Development Certificates
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NO.	DESCRIPTION	DES	DRN	CKD	APR	DATE
A	ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21
	AMENDMENT					

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 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:
WINT PROPERTY GROUP

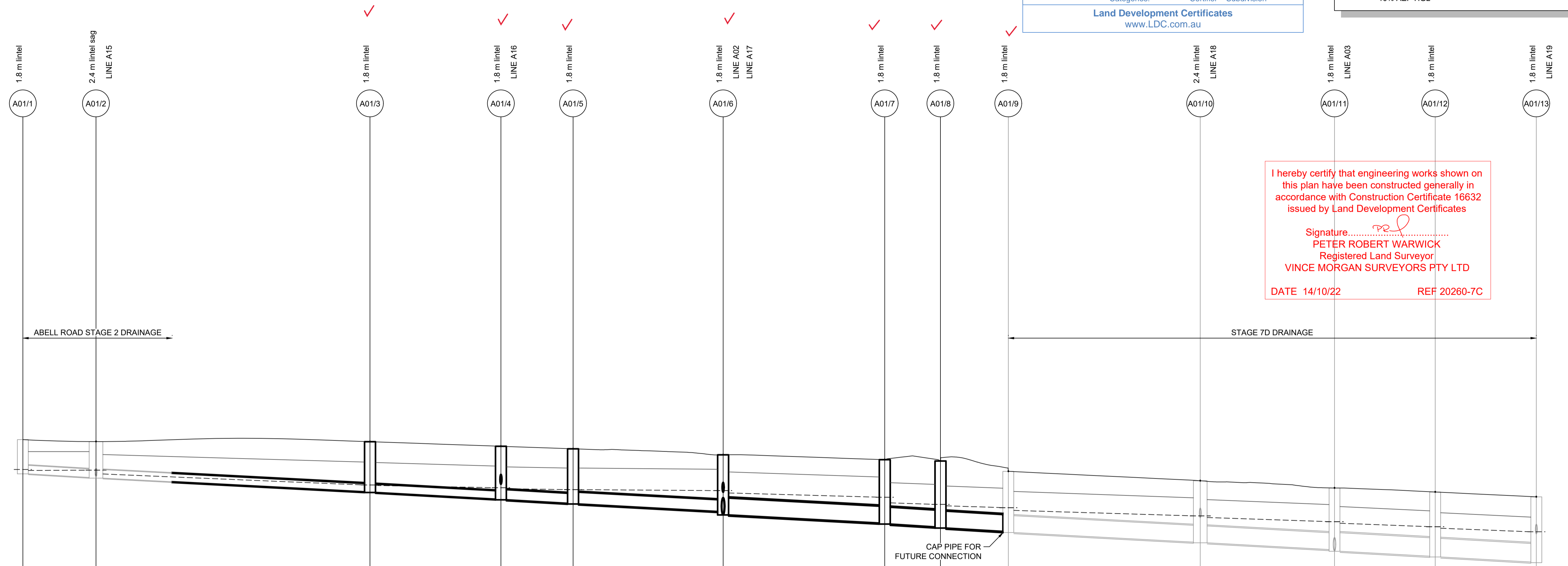
STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**
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NEWPARK PRECINCT 7 ABELL ROAD STAGE 3 CATCHMENT PLAN
 AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13401

PROJECT No: **9985-12**
 SHEET No: **CC13401**
 A

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Registered Certifier
Registration No: BDC 3015
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www.LDC.com.au

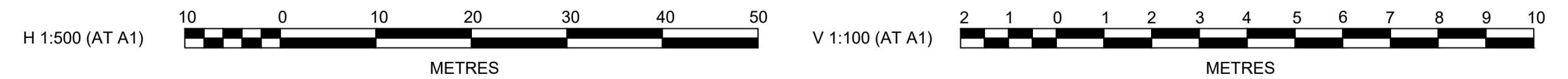
NOTE:
— 100 YEAR HGL PROVIDED FOR STREET DRAINAGE AND FOR INFORMATION ONLY.
- - - 10% AEP HGL



I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates
Signature: *PRW*
PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD
DATE 14/10/22 REF 20260-7C

DATUM (m)	12.00															
PEAK FLOW (L/s)	26	142	150	199	200	919	936	953	957	994	1344	1350				
PIPE SIZE (mm)	375	375	375 ✓	450 ✓	525 ✓	750 ✓	750 ✓	750 ✓	750	750	825	825				
PIPE CLASS	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2	RRJ2				
PIPE GRADE (%)	1.0	1.0	1.0 1.0	1.0 0.9	1.0 1.0	1.0 1.0	1.0 1.1	1.0 0.6	1.0	1.0	1.0	1.0				
PIPE COVER MINIMUM	1.10	1.22	1.84	1.88	1.88	1.87	2.12	2.06	1.91	1.93	1.93	2.00				
FULL PIPE VELOCITY (m/s)	0.66	1.58	1.61	1.67	1.87	2.08	2.22	2.44	2.51	2.59	2.69	2.74				
HGL GRADE (%)	-0.09	0.81	0.34	0.27	0.13	0.53	0.55	0.56	0.57	0.62	0.69	0.7				
NOTE:	10% AEP VALUES SHOWN															
WAE																
HYDRAULIC GRADE LINE	20.863	20.877	20.216	20.087	19.968	19.673	19.423	19.355	19.292	19.208	18.843	18.77	18.515	18.361	18.292	18.134
INVERT LEVEL	20.715	20.552	19.89 19.913	19.58 19.589	19.08 19.037	18.54 18.526	18.33 18.476	18.36 18.352	18.20 18.151	18.101	17.674	17.644	17.345	17.269	17.045	16.79
DESIGN SURFACE LEVEL	22.237	22.148	22.15 22.144	21.92 21.94	21.54 21.558	21.33 21.342	21.27 21.286	20.825	20.406	20.081	20.081	20.081	19.906	19.906	19.906	19.689
ROAD CHAINAGE	402.86	386.57	325.59	296.45	280.39	246.99	211.02	205.27	18.69	20.406	20.081	19.906	19.906	19.906	19.906	19.689
PIPE CHAINAGE	0	16.284	77.271	106.408	122.464	155.865	191.839	204.25	219.345	262.076	291.956	314.361	336.878	336.878	336.878	336.878

LINE A01



Plotted: 14 September, 2021 2:32:55 PM File Name: J:\9985DCC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 - Abell Road Precinct 7D\9985-12-CC13421.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
B					14/09/21
A					17/08/21

J. WYNDHAM PRINCE
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PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:
WINTEN PROPERTY GROUP

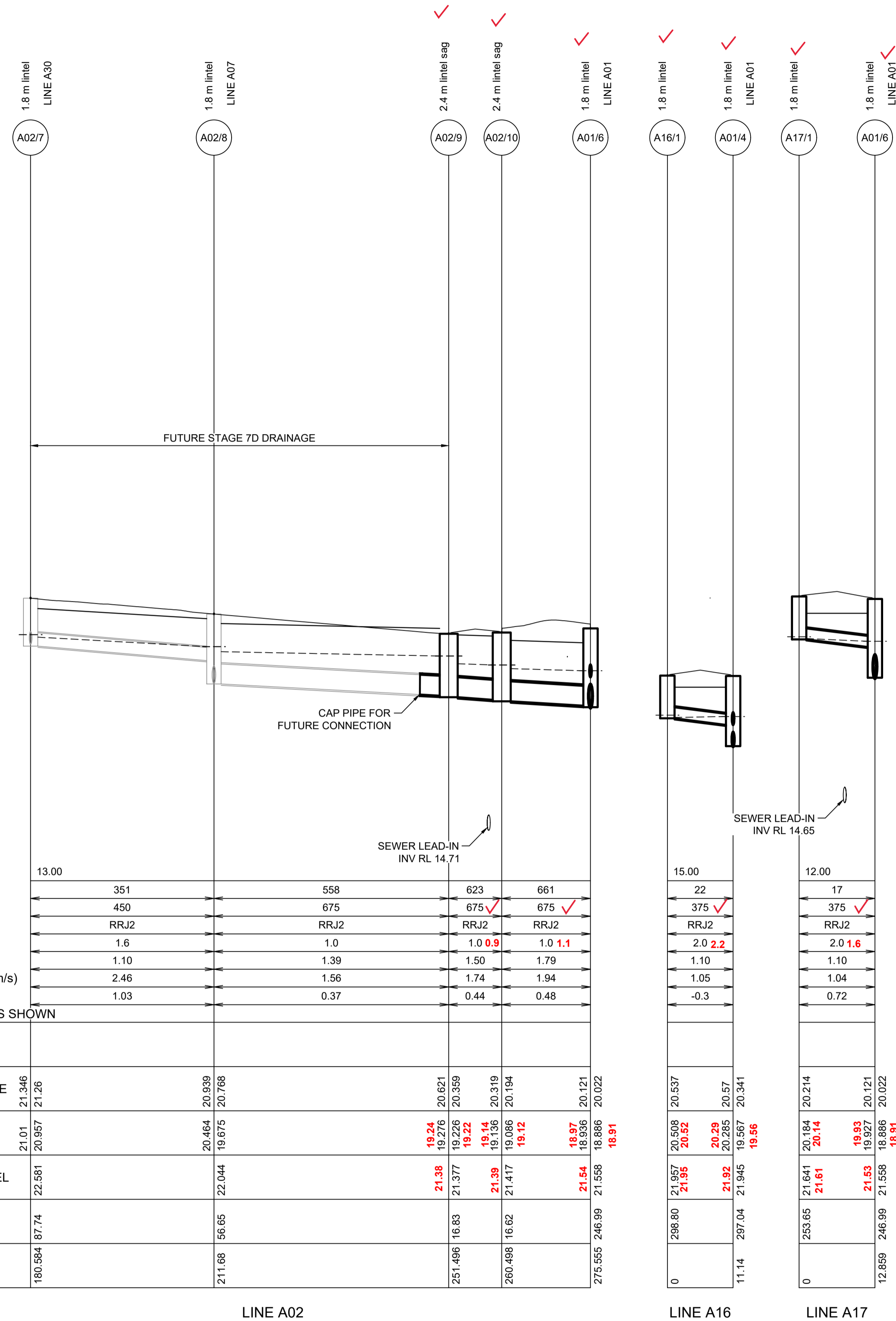
STATUS:
ISSUE FOR CONSTRUCTION APPROVAL
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NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1

PROJECT No:
9985-12
SHEET No:
CC13421

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13421**

Plotted: 14 September, 2021 2:33:22 PM File Name: J:\985BDC - Construction Certificate Approval Plans\PK12 WESTERN PRECINCTS\13 -- Abell Road Precinct 7\985-12-CC13422.dwg



	LINE A02		LINE A16		LINE A17	
DATUM (m)	13.00		15.00		12.00	
PEAK FLOW (L/s)	351	558	22	17		
PIPE SIZE (mm)	450	675	375	375		
PIPE CLASS	RRJ2	RRJ2	RRJ2	RRJ2		
PIPE GRADE (%)	1.6	1.0	2.0	2.0	1.6	
PIPE COVER MINIMUM	1.10	1.39	1.10	1.10	1.10	
FULL PIPE VELOCITY (m/s)	2.46	1.56	1.05	1.04	1.04	
HGL GRADE (%)	1.03	0.37	-0.3	0.72		
NOTE: 10% AEP VALUES SHOWN						
WAE						
HYDRAULIC GRADE LINE	21.346 21.126	20.939 20.768	20.621 20.359	20.537 20.57	20.214 20.121	20.022
INVERT LEVEL	21.01 20.957	20.464 19.675	19.24 19.276 19.22 19.14 19.136 19.086 19.12	18.97 18.536 18.866 18.91	20.508 20.52 20.29 20.285 19.567 19.56	20.184 20.14 19.93 19.927 18.886 18.891
DESIGN SURFACE LEVEL	22.581	22.044	21.38 21.377	21.54 21.588	21.641 21.61	21.53 21.588
ROAD CHAINAGE	87.74	56.65	16.83	246.99	16.62	246.99
PIPE CHAINAGE	180.584	211.68	251.496	275.555	260.498	275.555

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

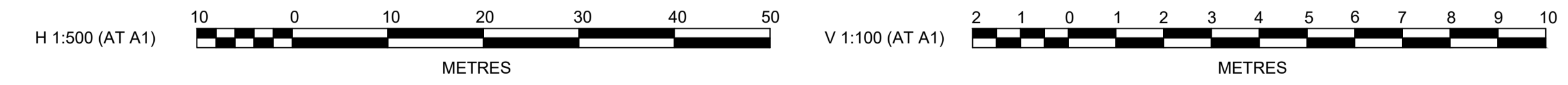
Signature: PETER ROBERT WARWICK
Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

LDC These plans are referred to in certificate no. **16632** approved by:

Christopher Louis Wahbe
Registered Certifier
Registration No: BDC 3015
Categories: Certifier - Subdivision

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NO.	DESCRIPTION	DATE
A	ISSUE FOR SWC APPROVAL	11/08/21
	AMENDMENT	

J. WYNDHAM PRINCE
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT:

WINTAN PROPERTY GROUP

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**

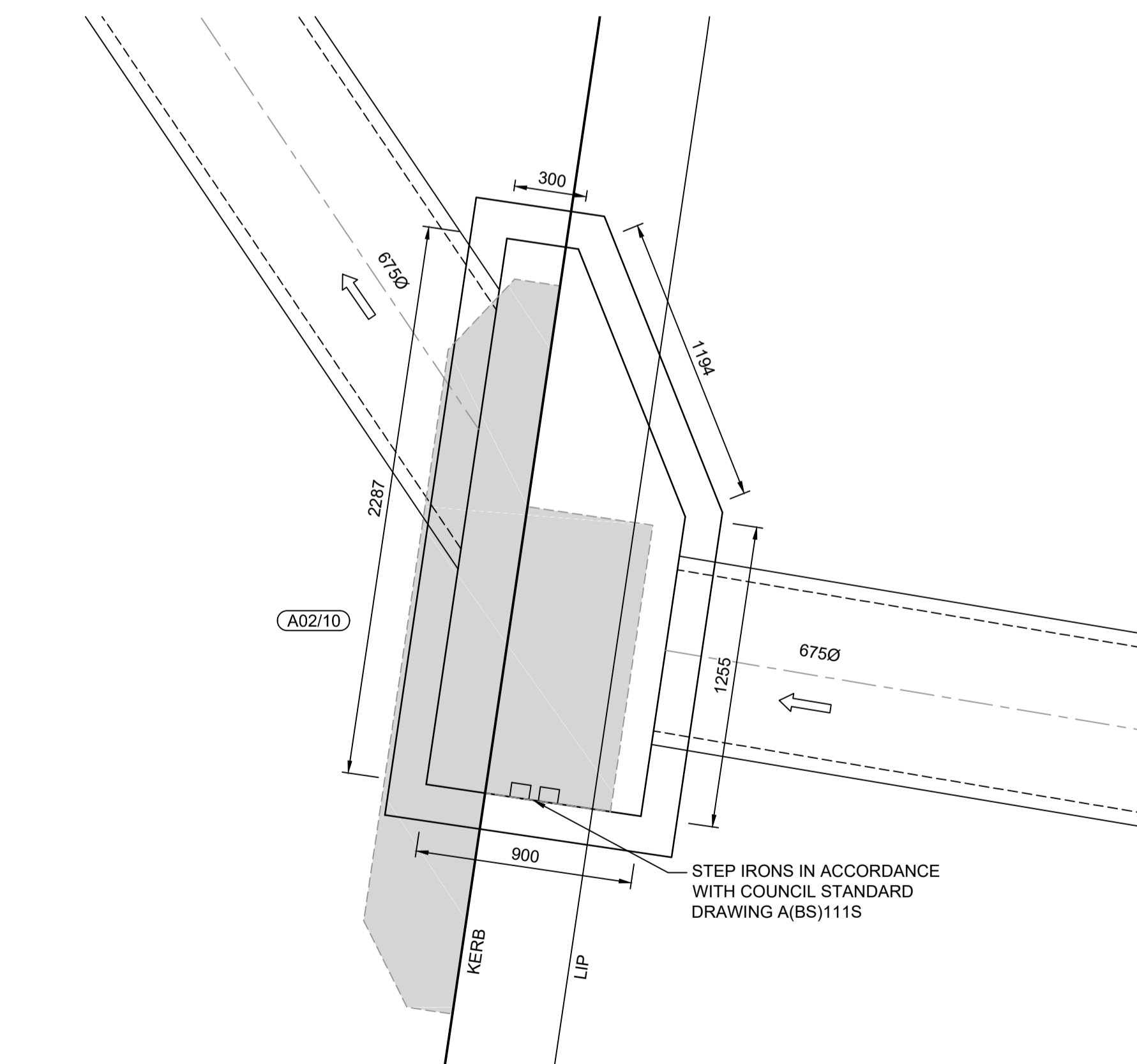
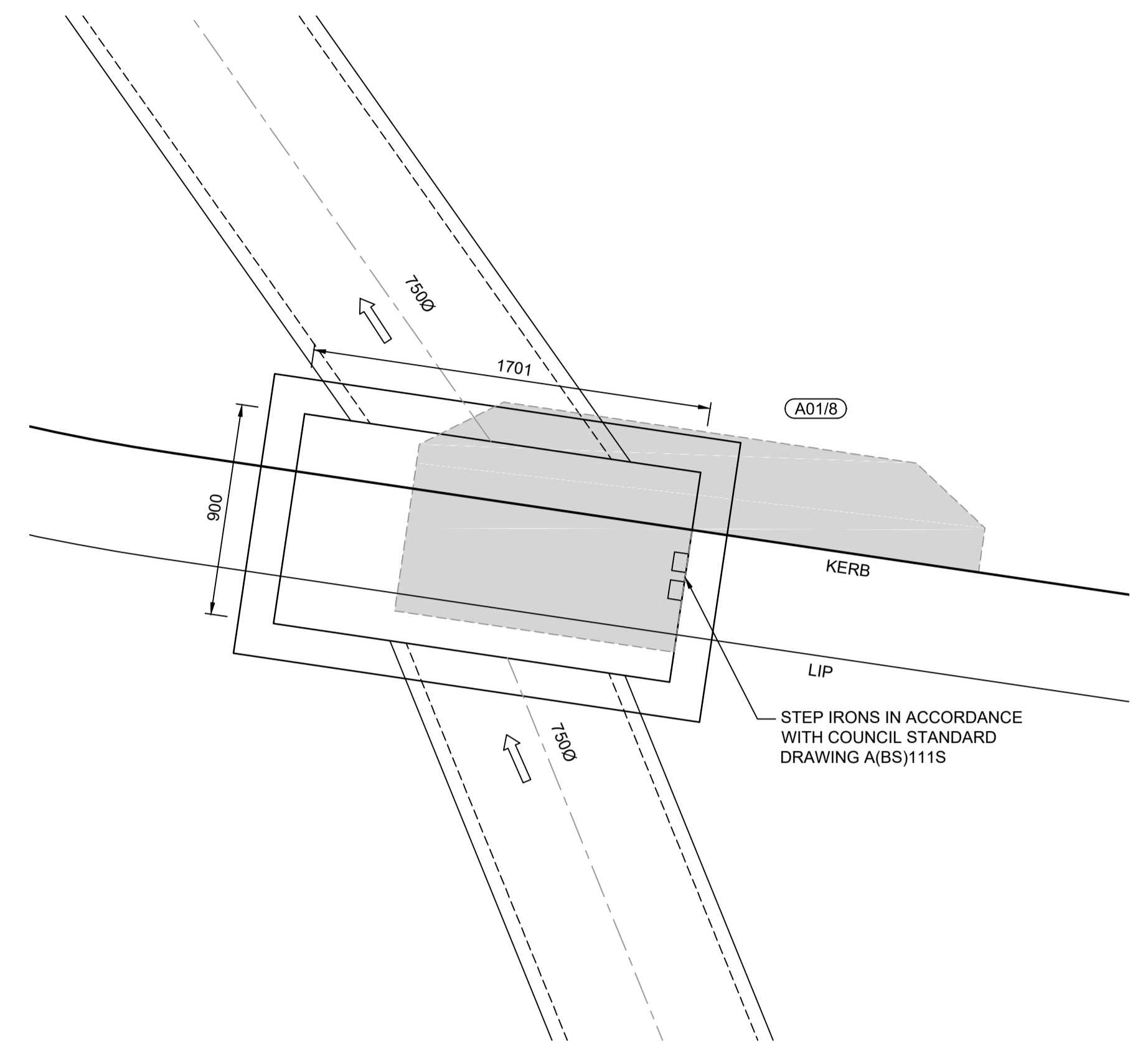
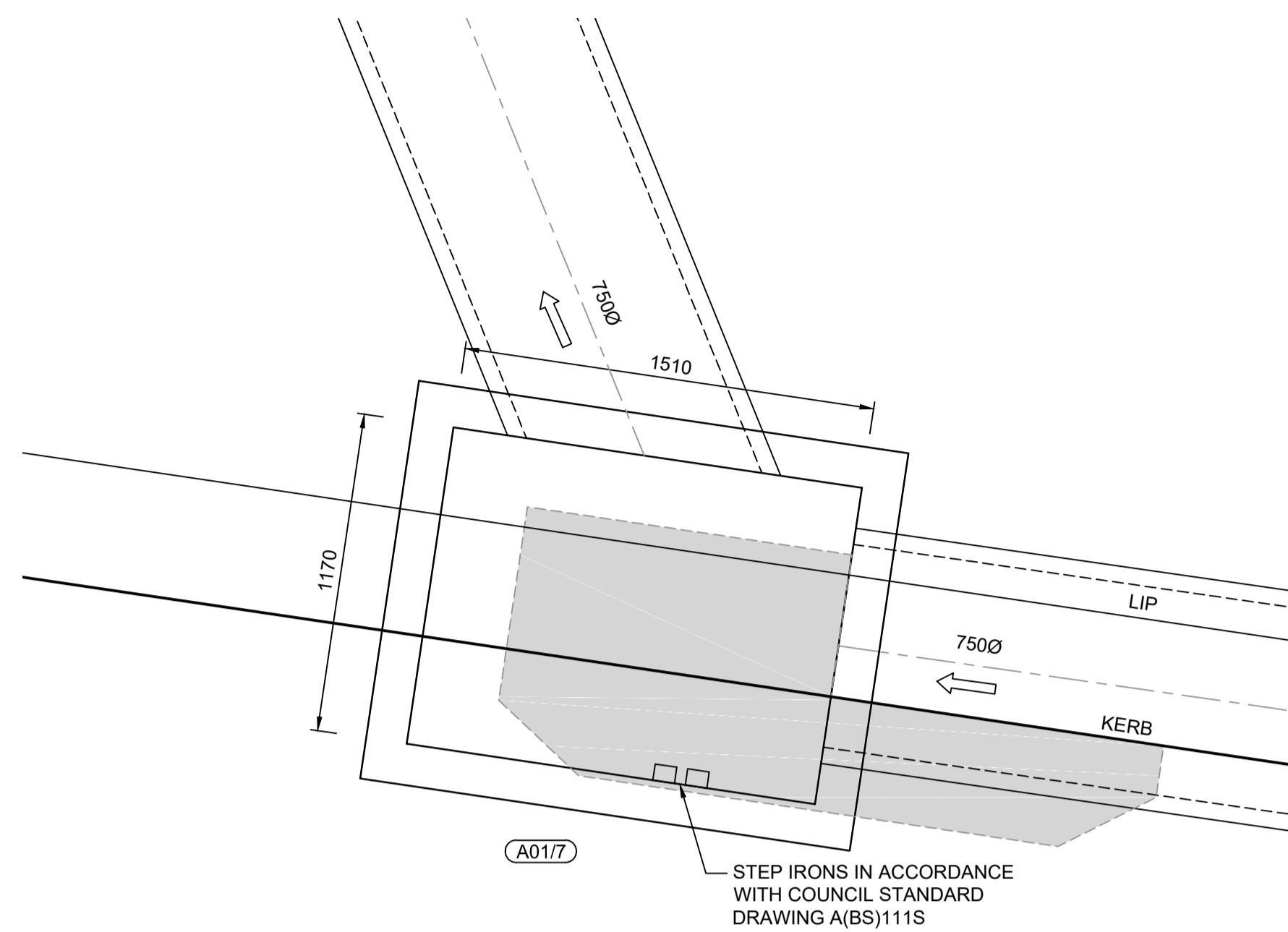
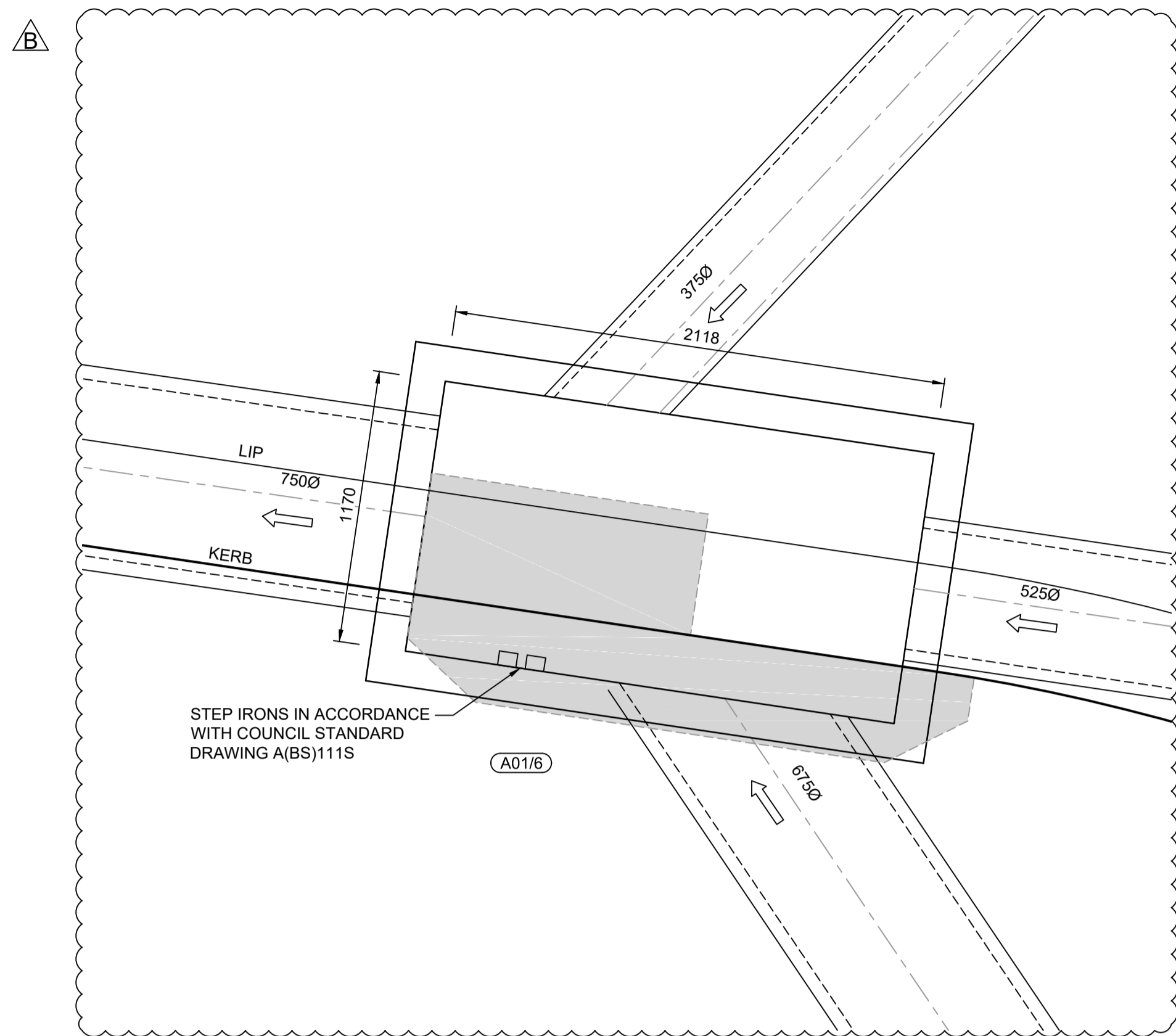
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NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
DRAINAGE LONGITUDINAL SECTIONS
SHEET 2

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13422

PROJECT No: **9985-12**
SHEET No: **CC13422**

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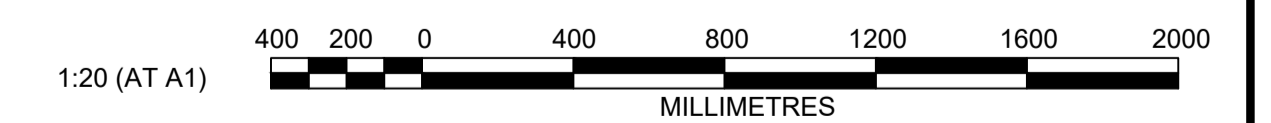
Signature: *PR*
PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C

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AMENDMENT	DES	DRN	CKD	APR	DATE
B	DG/KE	JM	JC	PJM	14/09/21
A	DG/KE	JM	JC	MS	11/08/21

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

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NEWPARK
 PRECINCT 7 ABELL ROAD STAGE 3
 SPECIAL PIT DETAILS

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9985-12-CC13500

PROJECT No: **9985-12**
 SHEET No: **CC13500**

B

SOIL AND WATER MANAGEMENT NOTES

GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "SOILS AND CONSTRUCTION - VOLUME 1, 4TH EDITION, MARCH 2004".
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- ALL TAIL-OUT DRAINS SHALL BE COUCH GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- ROADS SHALL BE PAVED AS EARLY AS POSSIBLE AFTER FORMATION.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
- ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM 60% FULL OF SOLID MATERIALS, INCLUDING DURING THE MAINTENANCE PERIOD.
- THE SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND COUNCIL'S WRITTEN GUIDELINES FOR THE DEVELOPMENT OF LAND.
- CONTRACTORS SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS SPECIFIED ON THE PLAN AND IN ACCORDANCE WITH THE GUIDELINES SHOWN IN "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION 4TH EDITION" (THE BLUE BOOK).
- ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REDUCING THE SOIL EROSION AND POLLUTION OF DOWNSLOPE AREAS.
- THE SOIL EROSION HAZARD ON THE SITE IS TO BE KEPT AS LOW AS POSSIBLE AND GENERALLY IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

LAND USE	LIMITATION	COMMENTS
CONSTRUCTION AREAS	DISTURBANCE TO BE NO FURTHER THAN 5m (PREF 2m) FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON THESE PLANS	ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES - WHERE APPROPRIATE THE CONSTRUCTION AREAS ARE TO BE IDENTIFIED WITH BARRIER FENCING (DOWNSLOPE) OR SIMILAR MATERIAL.
ACCESS AREAS	LIMITED TO A MAXIMUM WIDTH OF 10m	THE SITE MANAGER SHALL DETERMINE AND MARK THE LOCATION OF THESE ZONES ONSITE. THEY CAN VARY IN POSITION TO BEST CONSERVE THE EXISTING VEGETATION AND PROTECT DOWNSTREAM AREAS WHILE BEING CONSIDERATE OF THE NEEDS OF EFFICIENT WORKS ACTIVITIES. ALL SITE WORKERS SHALL CLEARLY RECOGNISE THEIR BOUNDARIES. WHERE APPROPRIATE THE ACCESS AREAS ARE TO BE MARKED WITH BARRIER MESH, SEDIMENT FENCING OR SIMILAR MATERIALS.
REMAINING LANDS	ENTRY PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH	THINNING OF GROWTH MAY BE REQUIRED FOR FIRE HAZARD REDUCTION.

NOTE:
WORKS WITHIN WATERWAYS AND CREEKS SHALL BE RESTRICTED AS DIRECTED - ALL LANDS WITHIN CREEKS AND WATERWAYS SHALL HAVE A GROUND COVER MORE THAN 70%, USING MATERIALS THAT CAN CATER FOR CONCENTRATED FLOWS.

- WORKS ARE TO BE UNDERTAKEN IN THE FOLLOWING SEQUENCE. EACH SUBSEQUENT STAGE IS NOT TO COMMENCE UNTIL THE PREVIOUS ONE IS COMPLETE:-
 - INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 6-8.
 - CONSTRUCT STABILISED SITE ACCESS AS SHOWN ON THE PLAN AND TO DETAIL (SD) 6-14.
 - CONSTRUCT LOW FLOW EARTH BANKS WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 5-5.
 - PROVIDE TEMP. ACCESS TO THE SEDIMENT BASIN(S) AND PROTECT THIS WITH SEDIMENT FENCING (SD) 6-8 OR BARRIER FENCING AND EARTH BANKS (SD) 5-5.
 - PLACE SEDIMENT FENCING (SD) 6-8 DOWNSLOPE OF LANDS TO BE DISTURBED FOR CONSTRUCTION OF THE SEDIMENT BASINS.
 - CONSTRUCT SEDIMENT BASIN(S) GENERALLY IN ACCORDANCE WITH (SD) 6-4
 - STABILISE LAND SURFACES DISTURBED BY CONSTRUCTION OF THE SEDIMENT BASIN(S) AS SOON AS FINAL LEVELS ARE ESTABLISHED
 - CLEAR THE SITE AND STRIP AND STOCKPILE THE TOPSOIL IN THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE SITE SUPERINTENDENT TO DETAIL (SD) 4-1.
 - UNDER TAKE ALL ESSENTIAL CONSTRUCTION WORKS.
 - GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 14 DAYS OF COMPLETION OF CONSTRUCTION WORKS
 - REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
- CLEARLY VISIBLE BARRIER FENCING SHALL BE INSTALLED WHERE DIRECTED BY THE SITE SUPERINTENDENT TO CONTROL AND PROHIBIT UNNECESSARY SITE DISTURBANCE
- EARTH BATTERS SHALL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER THAN:-
 - 2(h) - 1(v) WHERE SLOPE LENGTH IS LESS THAN 7m
 - 2.5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 7m AND 10m
 - 3(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 10m AND 12m
 - 4(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 12m AND 18m
 - 5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 18m AND 27m
 - 6(h) - 1(v) WHERE SLOPE LENGTH IS GREATER THAN 27m

SLOPE LENGTHS CAN BE SHORTENED BY USING LOW FLOW EARTH BANKS AS CATCH DRAINS ABOVE THE EARTH BATTER AREA.

- PROTECTION FROM EROSION FORCES SHALL BE UNDERTAKEN ON ALL LANDS. GROUND COVER TO BE IN PLACE WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION AND BEFORE THEY ARE ALLOWED TO CARRY ANY CONCENTRATED FLOWS.
- TEMPORARY GROUND COVER SHOULD BE MINIMUM 70%. FOOT AND VEHICULAR TRAFFIC SHALL BE KEPT AWAY FROM REHABILITATED AREAS.
- WHERE POSSIBLE THE CONSTRUCTION PROGRAM IS TO SCHEDULE WORKS SUCH THAT LAND DISTURBANCE ACTIVITIES ARE COMPLETED IN LESS THAN 6 MONTHS. REVEGETATION WORKS MUST BE CARRIED OUT AS STIPULATED IN THE RELEVANT COUNCIL GUIDELINES / SPECIFICATIONS SUCH THAT A SATISFACTORY GROUND COVER IS PROVIDED TO AT LEAST 60% OF THE DISTURBED AREA WITHIN 10 DAYS AND AT LEAST 70% OF THE DISTURBED AREA WITHIN A FURTHER 60 DAYS..
- SEDIMENT FENCES (SD) 6-8 SHALL:-
 - BE INSTALLED WHERE SHOWN ON THE PLAN AND AS DIRECTED AT THE DISCRETION OF THE SITE SUPERINTENDENT DURING THE COURSE OF CONSTRUCTION TO CONTAIN THE COARSER SEDIMENT FRACTIONS AS NEAR AS POSSIBLE TO THEIR SOURCE.
 - HAVE A CATCHMENT AREA NOT EXCEEDING 720sq.m. AND A STORAGE DEPTH OF AT LEAST 0.6m.
 - PROVIDE AN UPSLOPE RETURN OF 1m AT INTERVALS ALONG THE FENCE WHERE THE CATCHMENT AREA EXCEEDS 720sq.m. TO LIMIT THE DISCHARGE REACHING EACH SECTION TO 50litres/sec IN A MAX. 10yr Tc DISCHARGE.
- STOCKPILES (SD) 4-1 SHALL BE LOCATED AS SHOWN ON THE PLANS AND AT THE DISCRETION OF THE SITE SUPERINTENDENT.
- DURING WINDY WEATHER LARGE UNPROTECTED AREAS ARE TO BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL. IN THE EVENT WATER IS NOT AVAILABLE IN SUFFICIENT QUANTITIES SOIL BINDERS AND/OR DUST RETARDANTS SHALL BE USED OR THE SURFACE SHALL BE LEFT IN A CLODDY STATE THAT RESISTS REMOVAL BY WIND.
- STOCKPILES SHALL NOT BE LOCATED WITHIN 5m OF HAZARD AREAS, INCLUDING LIKELY AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS OR DRIVEWAYS.
- THE SEDIMENT RETENTION BASINS (SD) 6-4 SHALL:- (REFER TO J WYNDHAM PRINCE PLAN REF 988512-CC2702 FOR PRECINCT 7, STAGE 7A SEDIMENT BASIN DESIGN DETAILS)
 - BE CONSTRUCTED WHERE SHOWN ON THE PLANS.
 - BE FLOCCULATED (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) BEFORE DISCHARGE OCCURS (UNLESS THE DESIGN STORM EVENT IS EXCEEDED)
 - HAVE ONE OR MORE PEGS PLACED ON THE FLOOR TO CLEARLY INDICATE THE LEVEL AT WHICH DESIGN CAPACITY OCCURS AND WHEN SEDIMENT SHALL BE REMOVED.
- STORED CONTENTS OF THE BASINS SHALL BE TREATED WITH GYPSUM (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) OR OTHER FLOCCULATING AGENTS WHERE THEY CONTAIN MORE THAN 50mg/litre OF SUSPENDED SOLIDS. TREATMENT SHALL BE AS FOLLOWS:-
 - LOWER SUSPENDED SOLIDS TO LESS THAN 50mg/litre WITHIN 24hrs OF FILLING
 - THE BASINS SHALL THEN BE ALLOWED TO STAND 36 TO 48hrs FOR FLOCCULATED PARTICLES TO SETTLE
 - THE BASINS SHALL THEN BE DRAINED SO THAT FULL STORAGE CAPACITY IS REGAINED WITHOUT DISCHARGING SEDIMENT FROM THE SITE.
- SEDIMENT REMOVED FROM ANY TRAPPING DEVICE SHALL BE DISPOSED IN LOCATIONS WHERE FURTHER EROSION AND CONSEQUENT POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS SHALL NOT OCCUR.
- WATER SHALL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE (ie THE CATCHMENT HAS BEEN LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN TREATED IN AN APPROVED DEVICE) NEVERTHELESS STORMWATER INLETS SHALL BE PROTECTED (SD) 6-11 & 6-12.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED.
- ACCEPTABLE BINS SHALL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES SHALL BE PROVIDED AT LEAST ONCE A WEEK.

STOCKPILE NOTES:

- SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
- IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
- FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATED.

SEDIMENTATION CONTROL DEVICES:

- ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 600mm INTO THE GROUND AND LOCKED ON THE BALE CENTRELIN.
- SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2.5m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.
- PROVIDE STRIP OF TURF MIN. 300mm WIDE BEHIND KERB + 1m WIDE AROUND ALL SURFACE INLET PITS

SITE INSPECTION AND MAINTENANCE:

- A SELF-AUDITING PROGRAM SHALL BE ESTABLISHED BASED ON A INSPECTION TEST PLAN (ITP) OR LOG BOOK. A SITE INSPECTION USING THE ITP SHALL BE MADE BY THE SITE MANAGER:-
 - AT LEAST WEEKLY
 - IMMEDIATELY BEFORE SITE CLOSURE
 - IMMEDIATELY FOLLOWING RAINFALL EVENTS IN EXCESS OF 5mm IN ANY 24hr PERIOD.


THE SELF AUDIT SHALL INCLUDE:-

 - RECORDING THE CONDITION OF EVERY 'BEST MANAGEMENT PRACTICE' EMPLOYED
 - RECORDING MAINTENANCE REQUIREMENTS (IF ANY) FOR EACH 'BEST MANAGEMENT PRACTICE'
 - RECORDING THE VOLUMES OF SEDIMENT REMOVED FROM SEDIMENT RETENTION SYSTEMS WHERE APPLICABLE
 - RECORDING THE SITE WHERE SEDIMENT IS DISPOSED
 - FORWARDING A SIGNED DUPLICATE OF THE COMPLETED CHECK SHEET TO THE PROJECT MANAGER/DEVELOPER FOR THEIR INFORMATION.
- IN ADDITION A SUITABLY QUALIFIED PERSON SHALL BE RESPONSIBLE FOR OVERSEEING THE INSTALLATION AND MAINTENANCE OF ALL SOIL AND WATER MANAGEMENT WORKS ON THE SITE. THE PERSON SHALL BE REQUIRED TO SPEND A MINIMUM OF:-
 - 2hrs ONSITE EACH FORTNIGHT UP UNTIL COMPLETION OF ROAD AND DRAINAGE WORKS AND/OR THE COMMISSIONING OF SEDIMENT BASIN(S)/WATER QUALITY CONTROL FACILITIES, AND DURING THE DECOMMISSIONING OF SAME AND/OR FINAL SITE STABILISATION. TO PROVIDE A SHORT MONTHLY WRITTEN REPORT.
 - ONE HOUR ONSITE EACH 2 MONTHS DURING THAT PHASE WHERE THE DEVELOPERS RESPONSIBILITIES ARE LIMITED TO MAINTENANCE OF THE SDS DEVICES AND/OR SEDIMENT BASINS (ie DURING THE STAGE WHEN BUILDING WORKS CAN BE UNDERTAKEN) TO PROVIDE A SHORT WRITTEN REPORT EACH 4 MONTHS

THE RESPONSIBLE PERSON SHALL ENSURE THAT:-

 - THIS PLAN IS BEING IMPLEMENTED CORRECTLY
 - REPAIRS ARE BEING UNDERTAKEN AS REQUIRED
 - ESSENTIAL MODIFICATIONS TO THIS PLAN ARE BEING MADE IF AND WHEN NECESSARY. EACH REPORT SHALL CERTIFY THAT WORKS HAVE BEEN CARRIED OUT ACCORDING TO THE APPROVED PLANS.
- WASTE BINS SHALL BE EMPTIED AS NECESSARY, DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT
- PROPER DRAINAGE OF THE SITE SHALL BE MAINTAINED. DRAINS (INCLUDING INLET AND OUTLET WORKS) SHALL BE CHECKED TO ENSURE THAT THEY ARE OPERATING AS INTENDED, ESPECIALLY THAT:-
 - NO LOW POINTS EXIST WHICH CAN OVERTOP IN A LARGE STORM EVENT.
 - AREAS OF EROSION ARE REPAIRED (eg LINED WITH SUITABLE MATERIAL) AND/OR VELOCITY OF FLOW IS REDUCED APPROPRIATELY THROUGH CONSTRUCTION OF SMALL CHECK DAMS OR INSTALLING ADDITIONAL DIVERSIONS UPSLOPE
 - BLOCKAGES ARE CLEARED (THESE MIGHT OCCUR BECAUSE OF SEDIMENT POLLUTION, SAND/SOIL/SPOIL BEING DEPOSITED IN OR TOO CLOSE TO THEM, BREACHED BY VEHICLE WHEELS etc)
- SAND/SOIL/SPOIL MATERIALS PLACED CLOSER THAN 2m FROM HAZARD AREAS SHALL BE REMOVED SUCH HAZARD AREAS INCLUDE ANY AREAS OF HIGH VELOCITY WATER FLOWS (eg WATERWAYS AND GUTTERS) PAVED AREAS AND DRIVEWAYS.
- RECENTLY STABILISED LANDS SHALL BE CHECKED TO ENSURE THAT THE EROSION HAZARD HAS BEEN EFFECTIVELY REDUCED. ANY REPAIRS SHALL BE INITIATED AS APPROPRIATE.
- EXCESSIVE VEGETATIVE GROWTH SHALL BE CONTROLLED THROUGH MOWING OR SLASHING.
- ALL SEDIMENT DETENTION SYSTEMS SHALL BE KEPT IN GOOD WORKING CONDITION. IN PARTICULAR ATTENTION SHALL BE GIVEN TO:-
 - RECENT WORKS TO ENSURE THAT THEY HAVE NOT RESULTED IN DIVERSION OF SEDIMENT LADEN WATER AWAY FROM THEM.
 - DEGRADABLE PRODUCTS TO ENSURE THAT THEY ARE REPLACED AS REQUIRED
 - SEDIMENT REMOVAL TO ENSURE THE DESIGN CAPACITY OR LESS REMAINS IN THE SETTLING ZONE.
- ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS SHALL BE CONSTRUCTED AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS (ie MAKE ONGOING CHANGES TO THIS PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECT TO CHANGES IN CONDITIONS AT THE WORKS SITE OR ELSEWHERE IN THE CATCHMENT.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN A FUNCTIONING CONDITION UNTIL ALL EARTHWORKS ACTIVITIES ARE COMPLETED AND THE SITE STABILISED.
- WATERS IN SEDIMENT RETENTION BASIN(S) THAT OCCUPY MORE THAN 1/4 OF THE DESIGN CAPACITY DURING THAT STAGE OF THE WORKS UP UNTIL COMMISSIONING OF THE BASIN(S) SHALL BE:-
 - TREATED WITH A FLOCCULATING AGENT (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.)
 - DISCHARGED WITHIN 5 days FROM THE CONCLUSION OF ANY STORM EVENT LARGE ENOUGH TO FILL THE BASIN TO THAT LEVEL.
- LITTER, DEBRIS AND COARSE SEDIMENT SHALL BE REMOVED FROM THE GROSS POLLUTANT TRAPS AND TRASH RACKS AS REQUIRED.

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16632 issued by Land Development Certificates

Signature: 
PETER ROBERT WARWICK
 Registered Land Surveyor
VINCE MORGAN SURVEYORS PTY LTD

DATE 14/10/22 REF 20260-7C



These plans are referred to in certificate no. 16632 approved by:
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 Registration No: BDC 3015
 Categories: Certifier - Subdivision

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NOTE: SOIL AND WATER MANAGEMENT TO BE READ IN CONJUNCTION WITH PRECINCT 7 - STAGE 7D (REF: 9885-12-CC12001 - CC12803) SOIL AND WATER MANAGEMENT.

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A	ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21	
	AMENDMENT	DES	DRN	CKD	APR	DATE	

J. WYNDHAM PRINCE

CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

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**NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
SOIL & WATER MANAGEMENT NOTES**

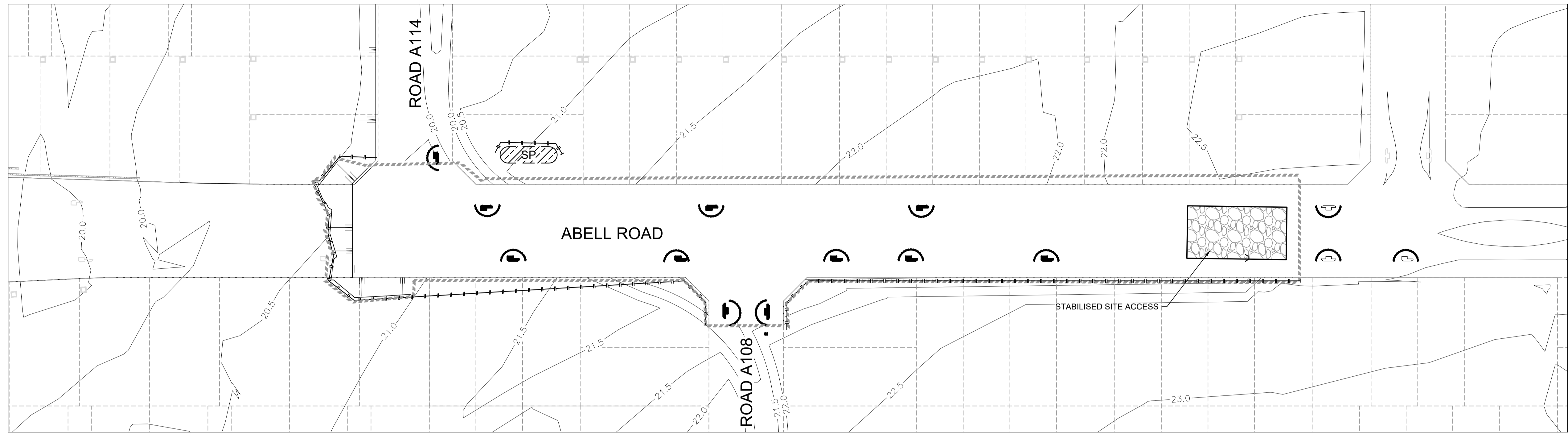
AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 9885-12-CC13701

PROJECT No:
9885-12

SHEET No:
CC13701

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LEGEND	
	STABILISED SITE ACCESS & WHEEL WASH BAY
	SEDIMENT FENCE
	CATCH DRAIN
	STOCKPILE
	MESH AND GRAVEL INLET FILTER
	GEOTEXTILE INLET FILTER

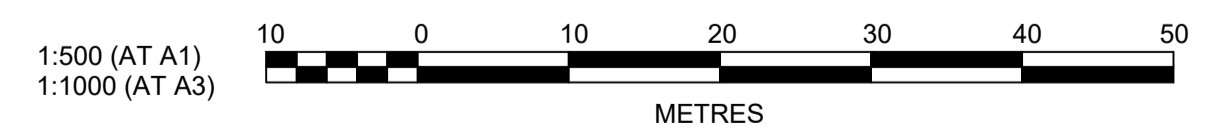
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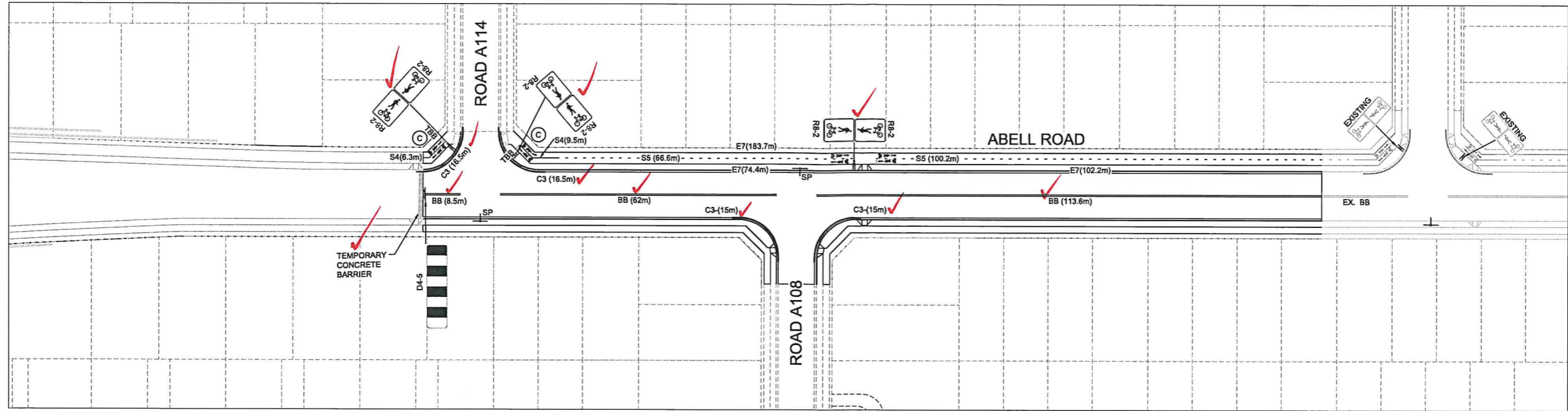
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NEWPARK
PRECINCT 7 ABELL ROAD STAGE 3
 SOIL & WATER MANAGEMENT PLAN

AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13702**

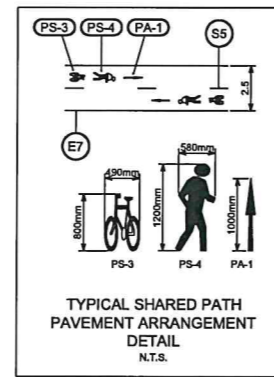
PROJECT No: **9985-12**
 SHEET No: **CC13702**

A



NOTES

1. ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS ARE TO BE IN ACCORDANCE WITH AUSTRROADS GUIDE TO TRAFFIC MANAGEMENT PART 6 AND AUSTRALIAN STANDARDS, AS1742-9 AND AS1743.
2. ALL SIGNS TO BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD; AS 1743 - ROAD SIGNS AND COUNCIL'S SPECIFICATION UNLESS OTHERWISE SHOWN.
3. ROAD SIGNS ARE SIZE 'B', UNLESS OTHERWISE SHOWN. LOCATE OUTSIDE OF CLEAR ZONES.
4. ALL NEW PAVEMENT MARKINGS ARE TO BE INSTALLED IN WHITE, REFLECTIVE, THERMOPLASTIC PAINT.
5. KERBSIDE LANE WIDTHS INCLUDE THE WIDTH OF THE GUTTER.
6. RE-MARK EXISTING PAVEMENT MARKINGS AS DIRECTED BY THE COUNCIL'S ENGINEER.
7. PAVEMENT MARKINGS THAT FORM NO PART OF THE FINAL WORKS ARE TO BE REMOVED BY SAND BLASTING OR OTHER METHOD AS APPROVED BY THE PROJECT MANAGER.
8. ALL MEASUREMENTS ARE IN METRES UNLESS OTHERWISE SHOWN.



THESE SIGNAGE AND LINEMARKING PLANS ARE SUBJECT TO APPROVAL BY BLACKTOWN CITY COUNCIL TRAFFIC COMMITTEE

I hereby certify that engineering works shown on this plan have been constructed generally in accordance with Construction Certificate 16635 issued by Land Development Certificates

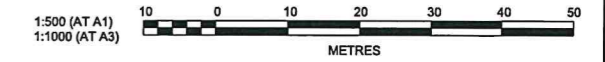
Signature: *PRL*
 PETER ROBERT WARWICK
 Registered Land Surveyor
 VINCE MORGAN SURVEYORS PTY LTD

DATE 11/01/2023 REF 20260-7

PAVEMENT MARKING SCHEDULE

CODE	USE	STYLE	COLOUR & TYPE
BB	Barrier line where sight is restricted in both directions or approach to median island		Reflectorised white type 'YY' pavement markers bi-directional reflective yellow
TBB	Give way line on Path		Reflectorised white
S4	Bicycle lane continuous separation line for off-road bike path		Reflectorised white
S5	Bicycle lane separation line for off-road bike path (straight sections)		Reflectorised white
TBB	Give way line on Path		Reflectorised white
SP	Street post sign		
C	Shared Path pavement arrangement. Refer to detail.		Reflectorised white
C3	Kerbside Linemarking for No Stopping Restrictions		Reflectorised yellow

REVISION B:
 REMOVAL OF GIVE WAY SIGN, TB, T1 AND BB LINEMARKING AT:
 ABELL ROAD AND ROAD A108 INTERSECTION
 ABELL ROAD AND ROAD A114 INTERSECTION



Plotfile: 22 September, 2021 8:44:23 AM File Name: J:\9895D\ICC - Construction Certificate Approval Plans\PK13 WESTERN PRECINCT\13 - Abell Road Precinct\7D9895-12-CC13801.dwg

AMENDMENT	DES	DRN	CKD	APR	DATE
B LINEMARKING UPDATED	KE	KE	JC	MS	22/09/21
A ISSUE FOR SWC APPROVAL	DG/KE	JM	JC	MS	11/08/21

J. WYNDHAM PRINCE
 CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
 PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **WINTEN PROPERTY GROUP**

STATUS: **ISSUE FOR CONSTRUCTION APPROVAL**
THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

NEWPARK
 PRECINCT 7 ABELL ROAD STAGE 3
 SIGNAGE AND LINE MARKING

PROJECT No: **9985-12**
 SHEET No: **CC13801**
 AZIMUTH: M.G.A.94 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **9985-12-CC13801**